

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\
 Data File : BF120672.D
 Acq On : 19 Jun 2020 19:17
 Operator : JU/CG
 Sample : L3020-19MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Quant Time: Jun 20 00:47:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115530	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	395981	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	240249	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	558303	20.00	ng	0.00
76) Chrysene-d12	13.97	240	400144	20.00	ng	0.00
86) Perylene-d12	15.40	264	503211	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	510218	75.72	ng	0.00
7) Phenol-d6	6.44	99	731003	87.10	ng	0.00
23) Nitrobenzene-d5	7.37	82	362730	51.20	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	229061	82.01	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	931372	59.31	ng	0.00
79) Terphenyl-d14	12.91	244	1077670	59.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.54	88	126831	39.712	ng	100
3) Pyridine	3.28	79	358362	39.915	ng	98
4) n-Nitrosodimethylamine	3.23	42	167230	44.882	ng	99
6) Aniline	6.46	93	366125	34.087	ng	# 87
8) 2-Chlorophenol	6.59	128	344923	45.296	ng	97
9) Benzaldehyde	6.36	77	259993	48.976	ng	# 1
10) Phenol	6.46	94	468329	52.300	ng	91
11) bis(2-Chloroethyl)ether	6.55	93	321071	43.046	ng	97
12) 1,3-Dichlorobenzene	6.75	146	335984	41.503	ng	99
13) 1,4-Dichlorobenzene	6.82	146	331946	41.559	ng	98
14) 1,2-Dichlorobenzene	6.97	146	313264	40.263	ng	97
15) Benzyl Alcohol	6.95	79	254382	42.739	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	378146	35.210	ng	73
17) 2-Methylphenol	7.06	107	244280	37.612	ng	94
18) Hexachloroethane	7.34	117	633526	215.255	ng	# 1
19) n-Nitroso-di-n-propylamine	7.22	70	283048	58.140	ng	96
20) 3+4-Methylphenols	7.22	107	314569	38.760	ng	94
22) Acetophenone	7.20	105	1038351	117.290	ng	# 56
24) Nitrobenzene	7.39	77	361512	48.765	ng	# 90
25) Isophorone	7.63	82	707867	51.296	ng	# 95
26) 2-Nitrophenol	7.70	139	193185	49.258	ng	# 93
27) 2,4-Dimethylphenol	7.75	122	256999	44.505	ng	91
28) bis(2-Chloroethoxy)methane	7.84	93	351600	43.954	ng	98
29) 2,4-Dichlorophenol	7.95	162	306615	52.235	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	338799	52.083	ng	99
31) Naphthalene	8.12	128	2871878	147.700	ng	96
32) Benzoic acid	7.87	122	194795	43.966	ng	97
33) 4-Chloroaniline	8.16	127	237112	26.568	ng	# 93
34) Hexachlorobutadiene	8.23	225	196994	51.952	ng	97
35) Caprolactam	8.51	113	80237	42.739	ng	# 18
36) 4-Chloro-3-methylphenol	8.65	107	283300	48.308	ng	97
37) 2-Methylnaphthalene	8.81	142	2007958	158.192	ng	97
38) 1-Methylnaphthalene	8.81	142	2007958	168.115	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	299713	41.780	ng	99

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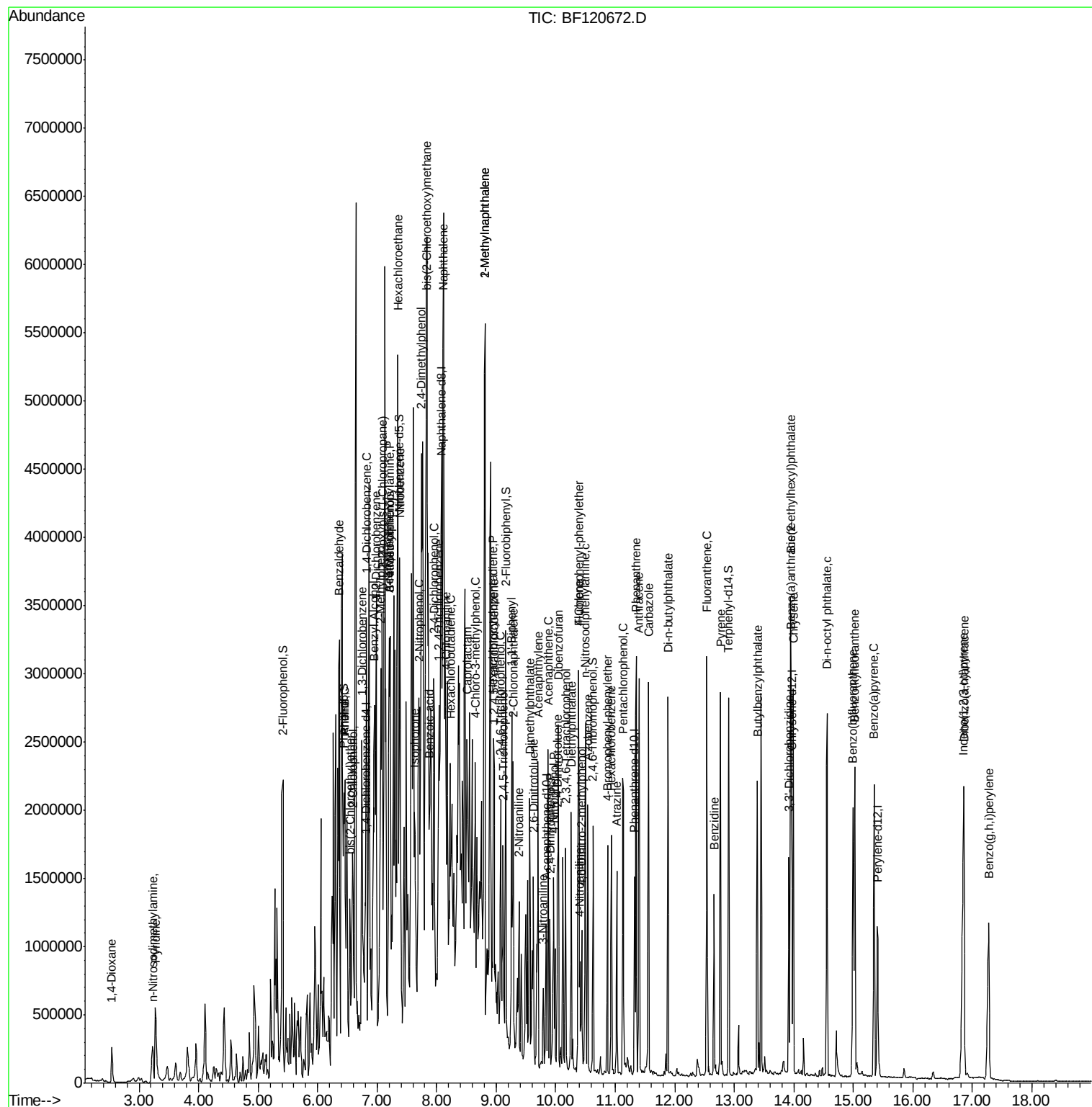
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	290450	72.253	ng	100
43) 2,4,6-Trichlorophenol	9.07	196	212436	41.747	ng	99
44) 2,4,5-Trichlorophenol	9.12	196	229254	39.710	ng	95
46) 1,1'-Biphenyl	9.26	154	829549	46.241	ng	99
47) 2-Chloronaphthalene	9.29	162	604110	41.180	ng	100
48) 2-Nitroaniline	9.38	65	188454	40.903	ng	98
49) Acenaphthylene	9.70	152	973390	42.994	ng	99
50) Dimethylphthalate	9.56	163	862420	49.843	ng	99
51) 2,6-Dinitrotoluene	9.62	165	168876	43.066	ng	99
52) Acenaphthene	9.87	154	575191	42.598	ng	99
53) 3-Nitroaniline	9.79	138	107536	22.832	ng	95
54) 2,4-Dinitrophenol	9.90	184	172530	75.191	ng	96
55) Dibenzofuran	10.05	168	1010021	48.784	ng	99
56) 4-Nitrophenol	9.96	139	263509	74.286	ng	98
57) 2,4-Dinitrotoluene	10.03	165	230427	44.284	ng	# 87
58) Fluorene	10.39	166	700398	43.883	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.16	232	204667	45.061	ng	# 100
60) Diethylphthalate	10.26	149	756105	44.369	ng	98
61) 4-Chlorophenyl-phenylether	10.37	204	357356	43.357	ng	99
62) 4-Nitroaniline	10.41	138	171529	36.685	ng	95
63) Azobenzene	10.54	77	644229	41.646	ng	99
65) 4,6-Dinitro-2-methylphenol	10.44	198	128478	38.351	ng	93
66) n-Nitrosodiphenylamine	10.50	169	648274	37.811	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	225769	35.631	ng	99
68) Hexachlorobenzene	10.93	284	254053	37.292	ng	98
69) Atrazine	11.03	200	186095	35.076	ng	97
70) Pentachlorophenol	11.13	266	307250	81.122	ng	99
71) Phenanthrene	11.35	178	1181995	42.590	ng	100
72) Anthracene	11.40	178	1217590	43.525	ng	100
73) Carbazole	11.56	167	1132993	40.914	ng	99
74) Di-n-butylphthalate	11.89	149	1389043	44.617	ng	100
75) Fluoranthene	12.54	202	1311328	41.326	ng	98
77) Benzidine	12.66	184	528298	39.039	ng	100
78) Pyrene	12.77	202	1315576	46.410	ng	100
80) Butylbenzylphthalate	13.39	149	547728	43.515	ng	93
81) Benzo(a)anthracene	13.96	228	1038283	43.189	ng	100
82) 3,3'-Dichlorobenzidine	13.92	252	327137	35.626	ng	98
83) Chrysene	13.99	228	1076473	43.654	ng	100
84) Bis(2-ethylhexyl)phthalate	13.95	149	737600	48.016	ng	99
85) Di-n-octyl phthalate	14.56	149	1353340	46.162	ng	99
87) Indeno(1,2,3-cd)pyrene	16.84	276	1353387	44.215	ng	100
88) Benzo(b)fluoranthene	14.99	252	1173702	39.156	ng	100
89) Benzo(k)fluoranthene	15.02	252	920595	34.708	ng	100
90) Benzo(a)pyrene	15.35	252	1126014	41.974	ng	100
91) Dibenzo(a,h)anthracene	16.86	278	1105892	45.054	ng	98
92) Benzo(g,h,i)perylene	17.27	276	986679	39.880	ng	98

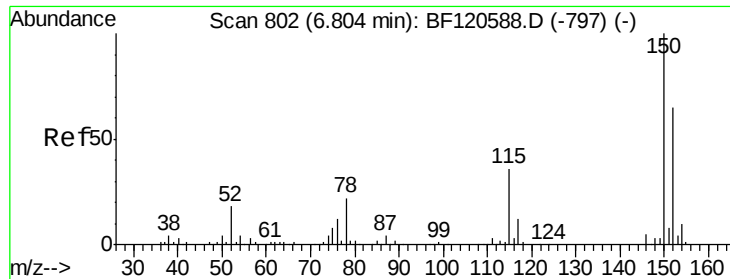
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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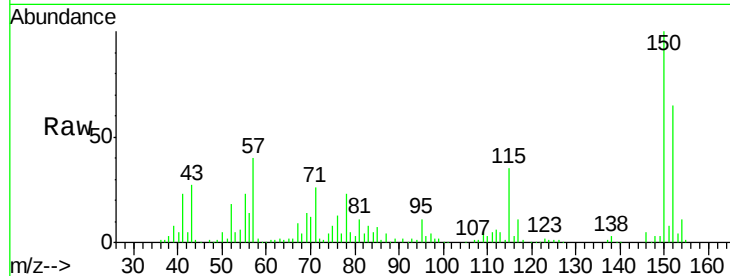


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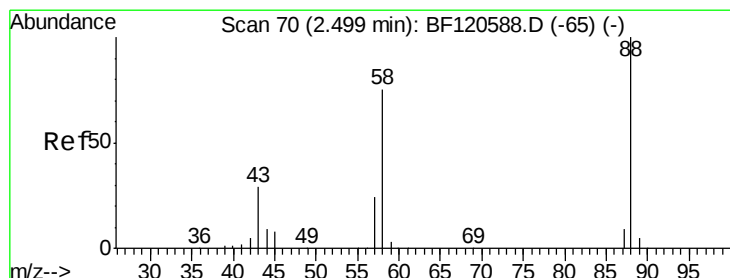
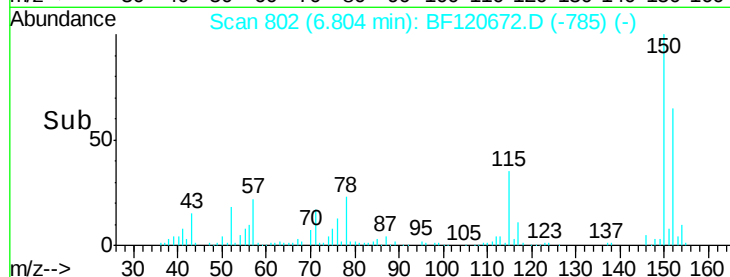
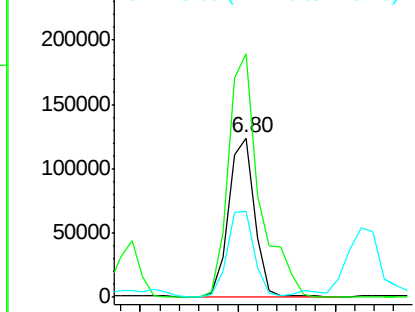
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

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BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 115530
Ion Ratio Lower Upper
152 100
150 152.7 123.2 184.8
115 54.1 43.9 65.9



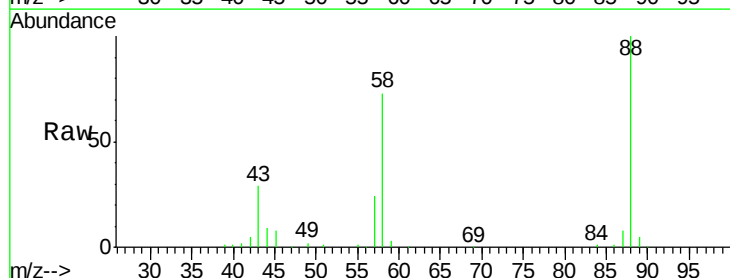
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



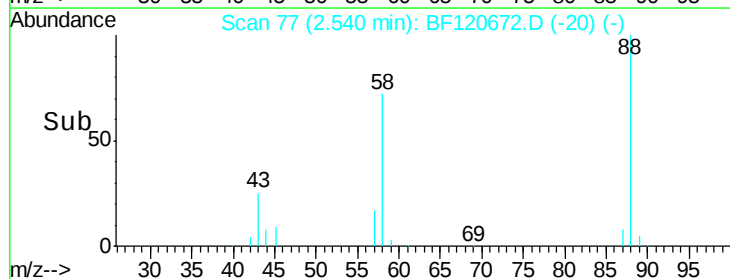
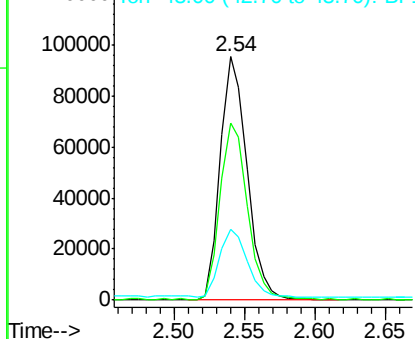
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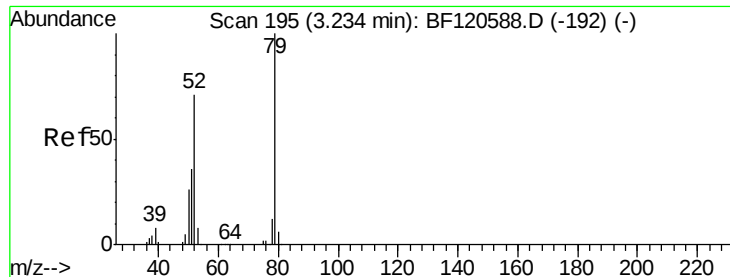
1,4-Dioxane
Concen: 39.712 ng
RT: 2.54 min Scan# 77
Delta R.T. 0.04 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion: 88 Resp: 126831
Ion Ratio Lower Upper
88 100
58 74.9 59.6 89.4
43 29.0 23.1 34.7



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

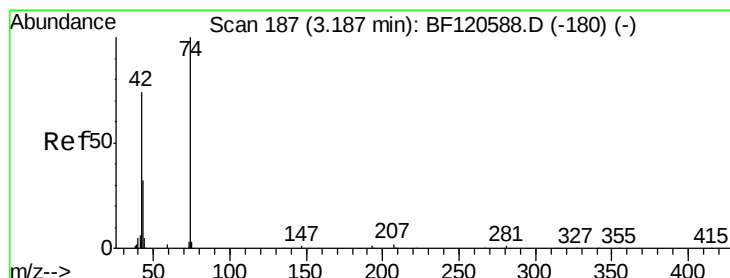
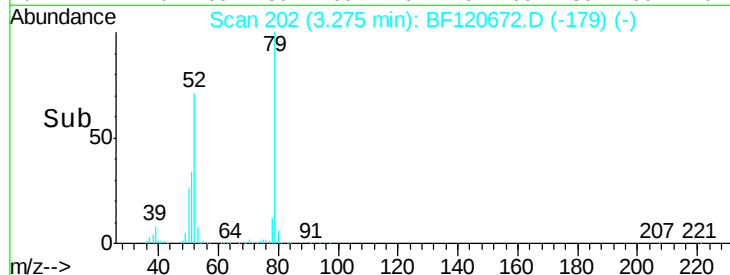
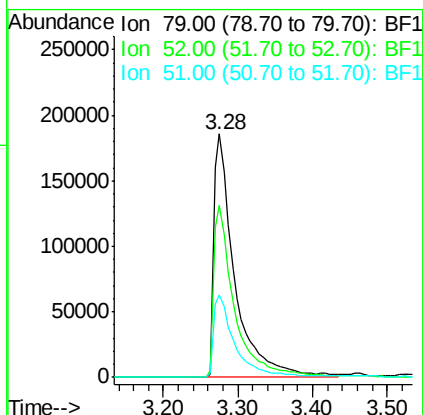
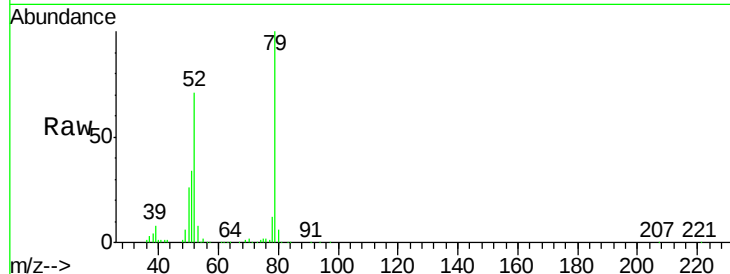




#3
 Pvridine
 Concen: 39.915 ng
 RT: 3.28 min Scan# 202
 Delta R.T. 0.04 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

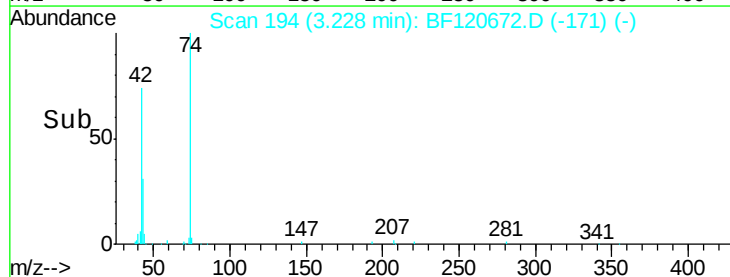
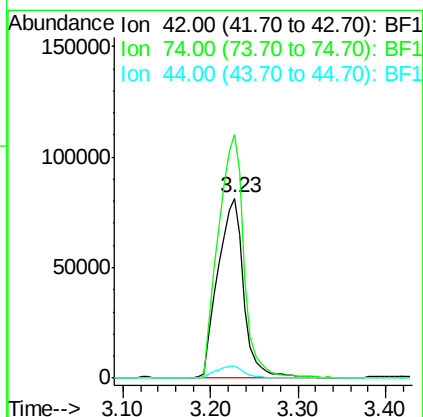
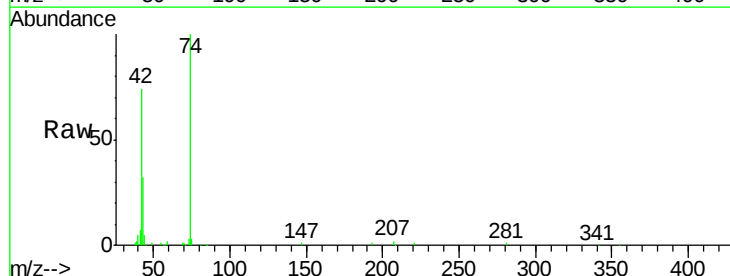
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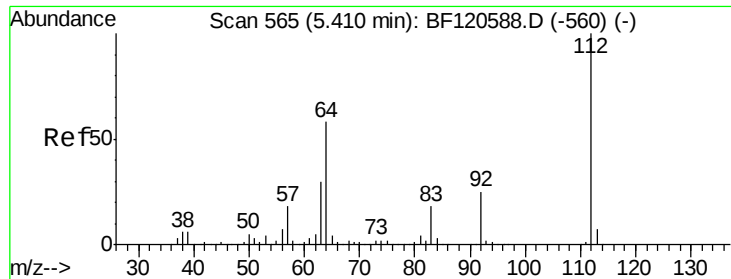
Tot Ion	Ratio	Lower	Upper
79	100		
52	70.5	57.0	85.6
51	33.7	28.5	42.7



#4
 n-Nitrosodimethylamine
 Concen: 44.882 ng
 RT: 3.23 min Scan# 194
 Delta R.T. 0.04 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.5	107.8	161.6
44	6.7	5.1	7.7





#5

2-Fluorophenol

Concen: 75.716 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

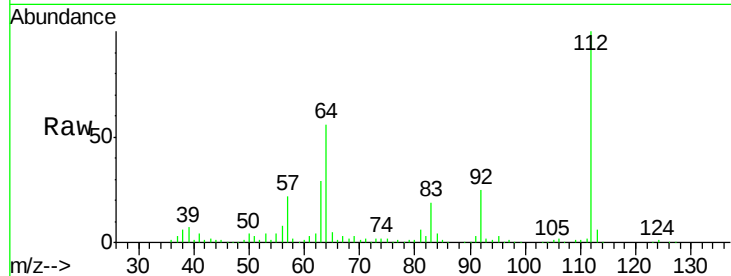
Tot Ion:112 Resp: 510218

Ion Ratio Lower Upper

112 100

64 55.5 46.1 69.1

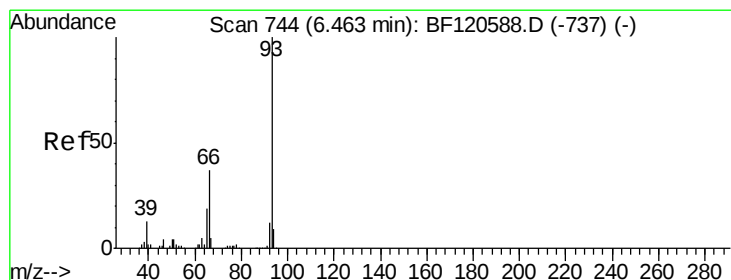
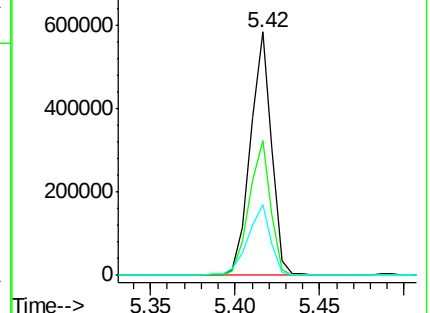
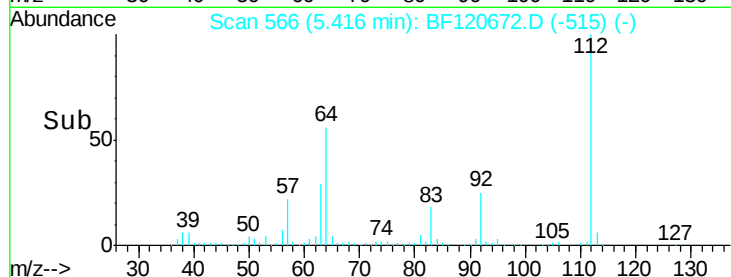
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.087 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

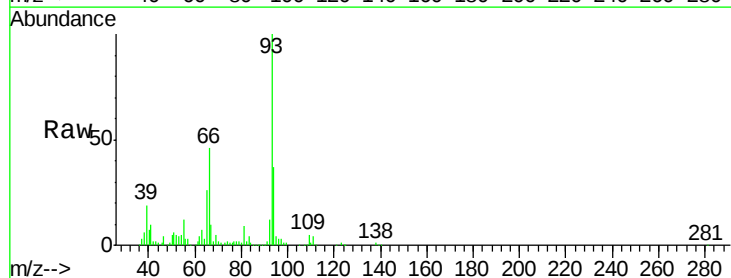
Tgt Ion: 93 Resp: 366125

Ion Ratio Lower Upper

93 100

66 46.4 30.9 46.3#

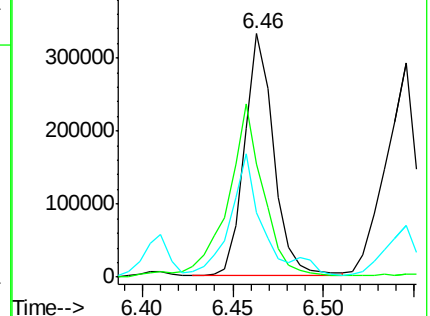
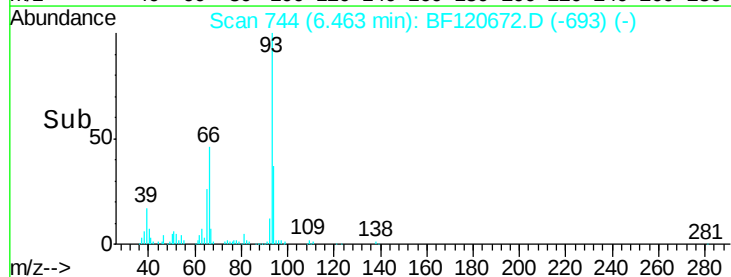
65 26.3 15.9 23.9#

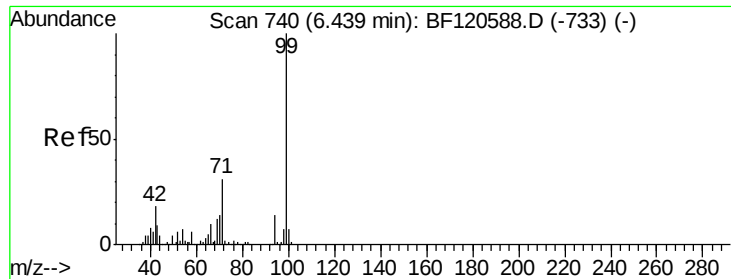


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 87.098 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

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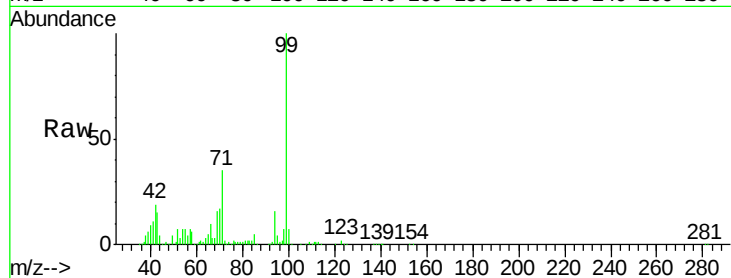
Tot Ion: 99 Resp: 731003

Ion Ratio Lower Upper

99 100

42 18.7 14.0 21.0

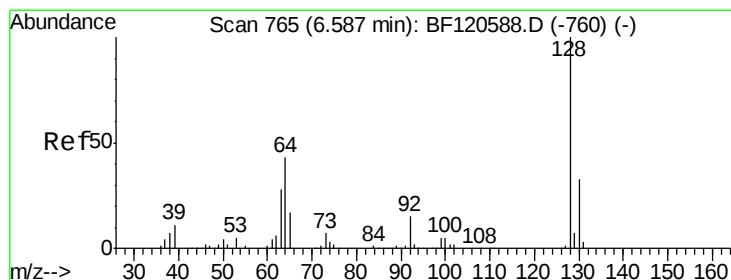
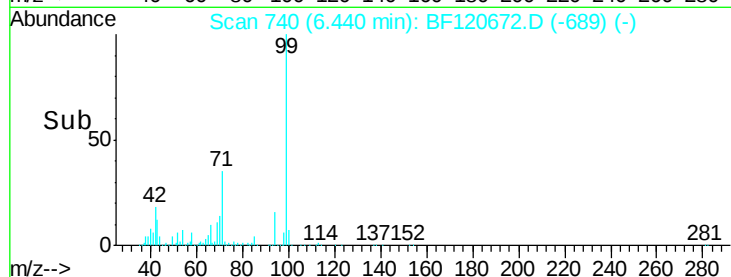
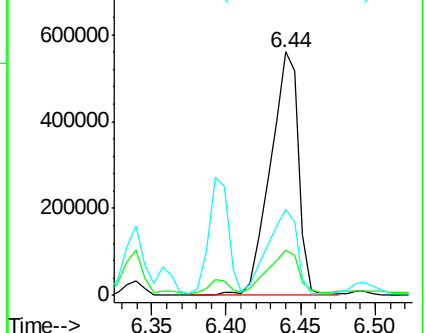
71 35.4 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.296 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF120672.D

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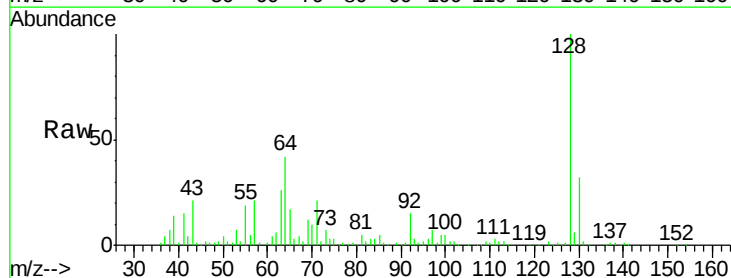
Tgt Ion: 128 Resp: 344923

Ion Ratio Lower Upper

128 100

130 32.1 12.6 52.6

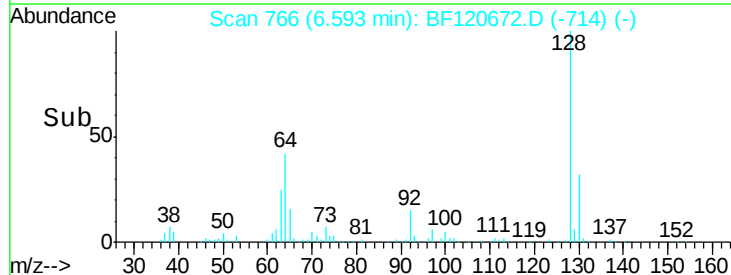
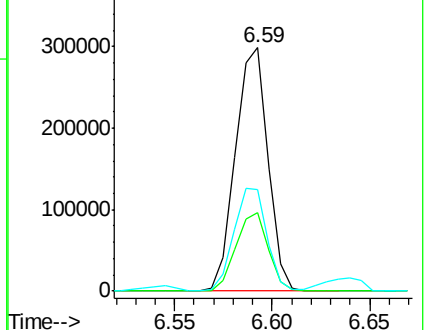
64 41.6 24.3 64.3

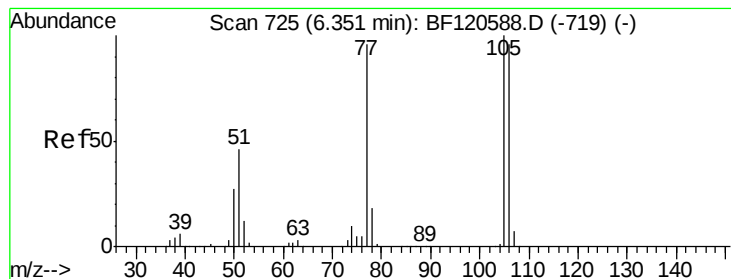


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 48.976 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

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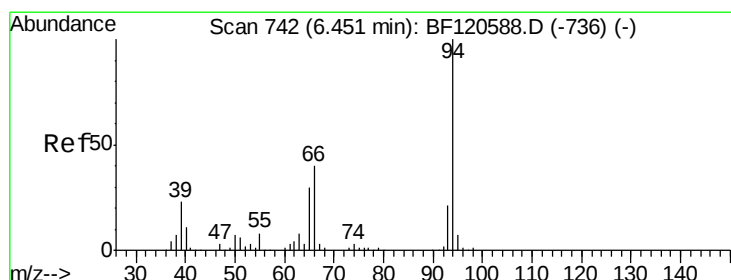
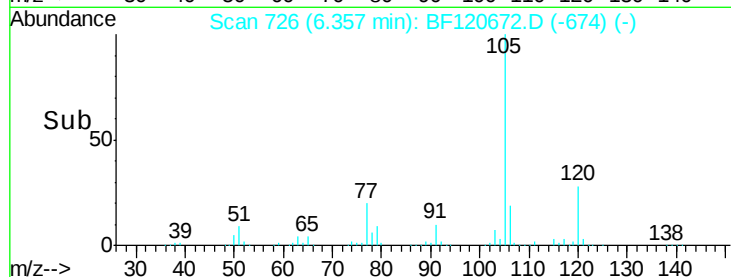
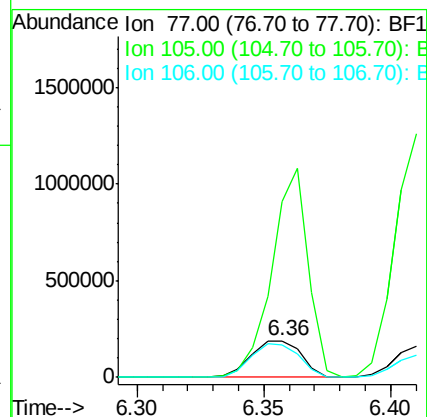
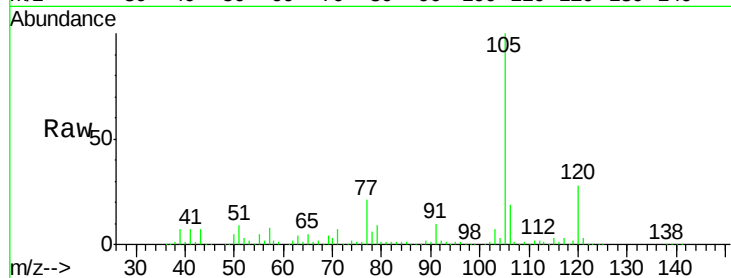
Tot Ion: 77 Resp: 259993

Ion Ratio Lower Upper

77 100

105 480.1 83.8 123.8#

106 89.6 79.3 119.3



#10

Phenol

Concen: 52.300 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

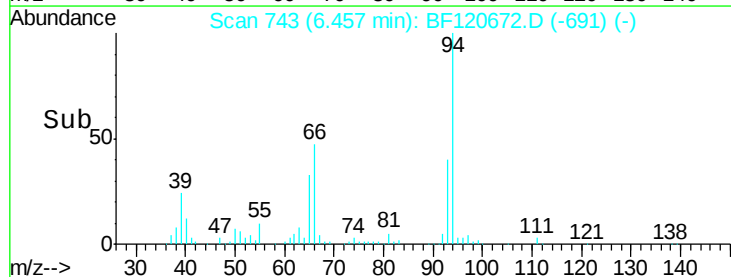
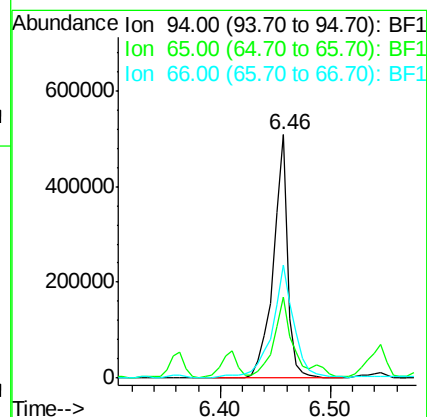
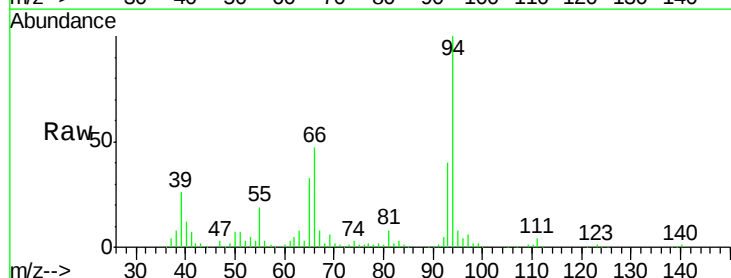
Tgt Ion: 94 Resp: 468329

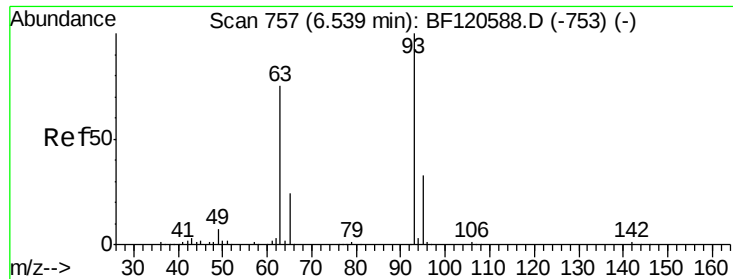
Ion Ratio Lower Upper

94 100

65 33.3 9.9 49.9

66 46.7 20.1 60.1

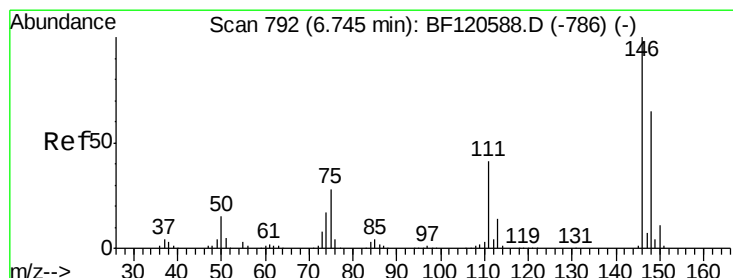
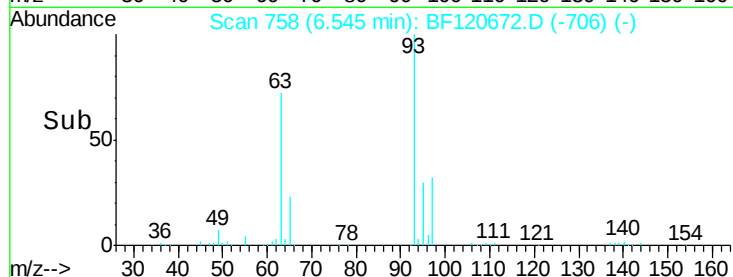
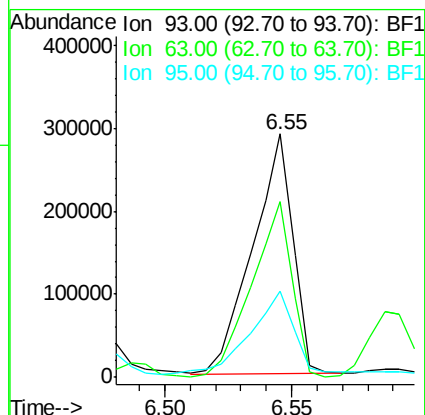
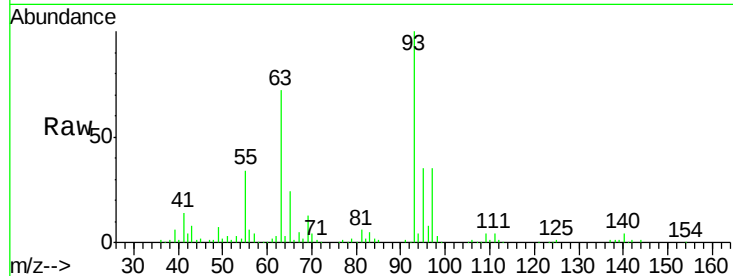




#11
bis(2-Chloroethyl)ether
Concen: 43.046 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

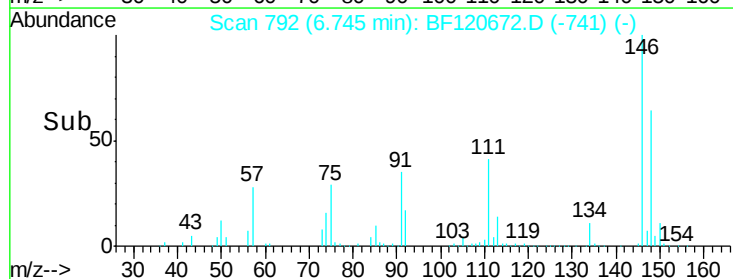
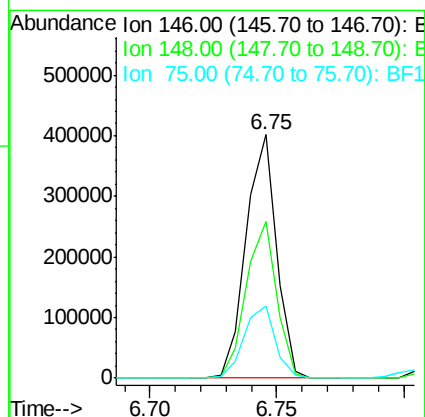
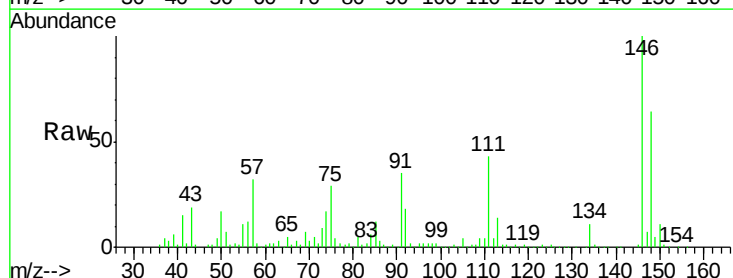
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

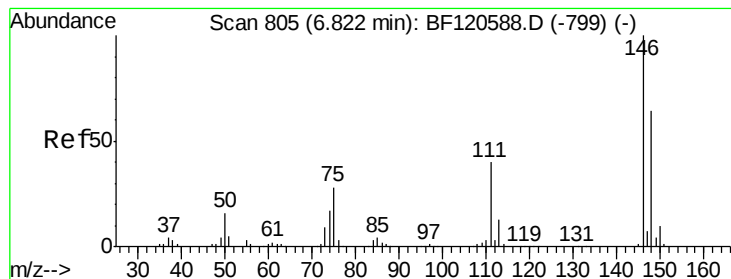
Tot Ion	Ratio	Lower	Upper
93	100		
63	72.3	54.4	94.4
95	35.4	12.9	52.9



#12
1,3-Dichlorobenzene
Concen: 41.503 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.6
75	29.5	22.2	33.4





#13

1,4-Dichlorobenzene

Concen: 41.559 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

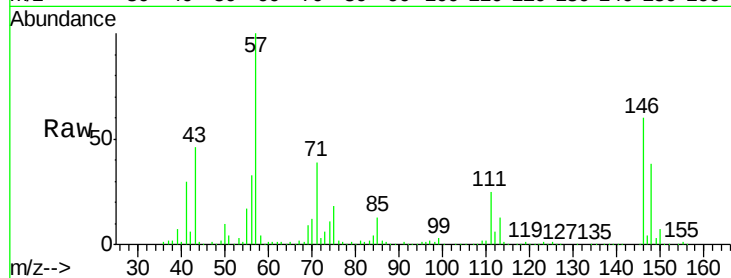
Tot Ion:146 Resp: 331946

Ion Ratio Lower Upper

146 100

148 63.6 51.5 77.3

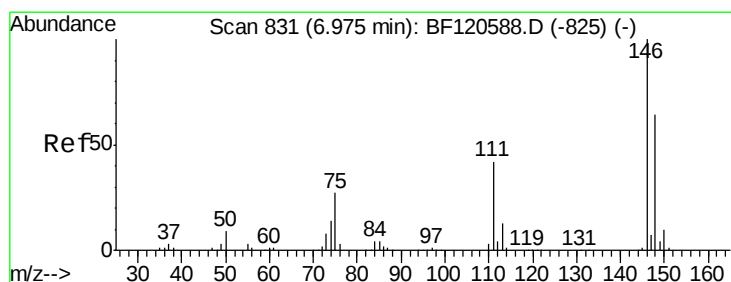
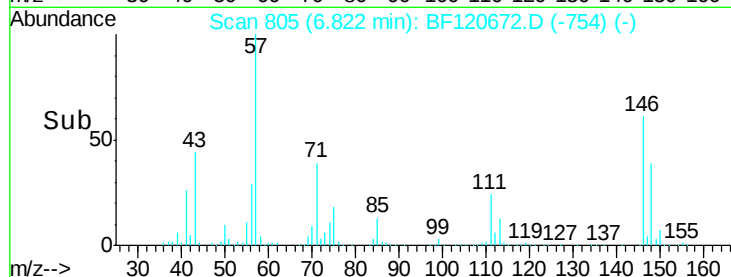
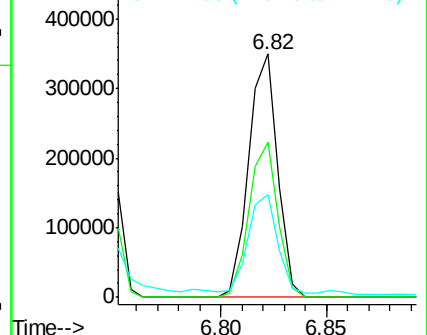
111 42.2 32.2 48.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.263 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

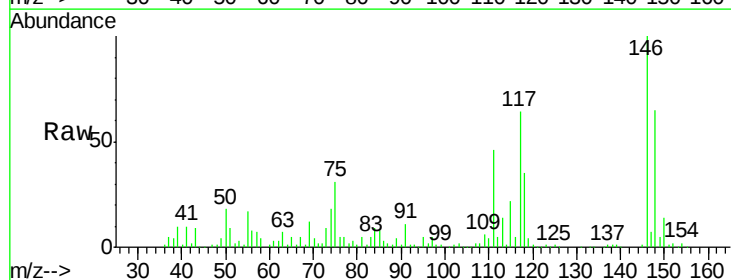
Tgt Ion:146 Resp: 313264

Ion Ratio Lower Upper

146 100

148 64.8 50.8 76.2

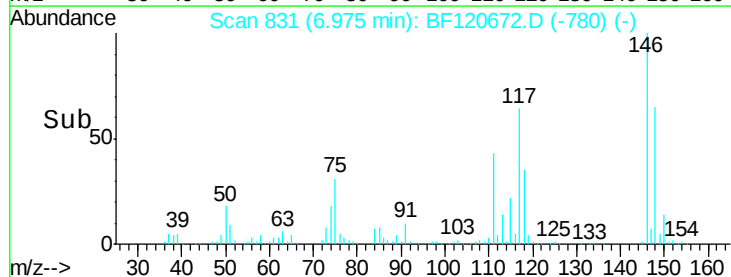
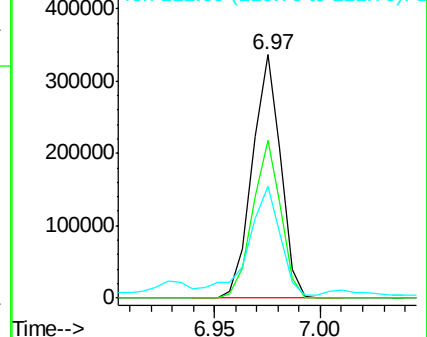
111 45.7 33.6 50.4

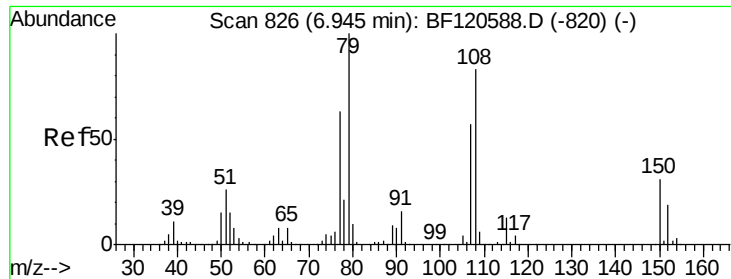


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

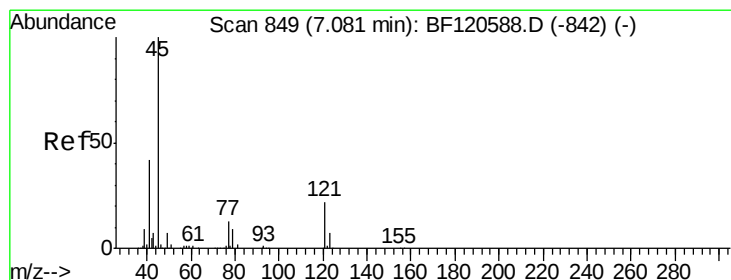
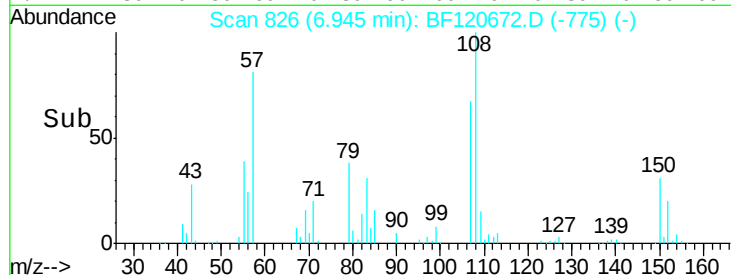
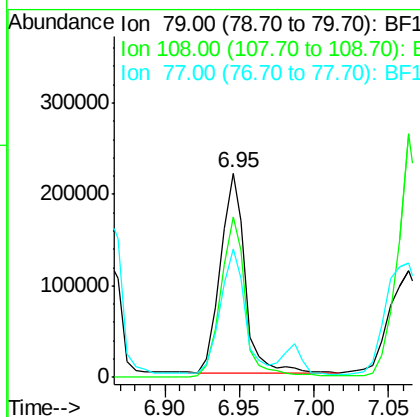
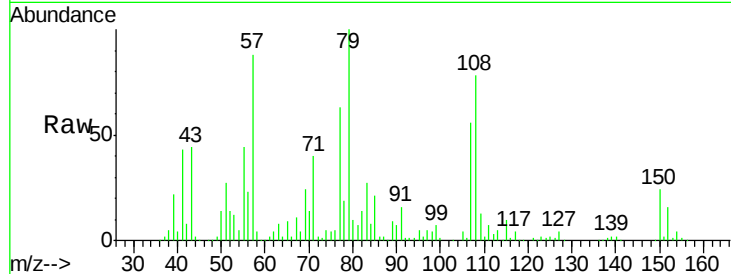




#15
Benzyl Alcohol
Concen: 42.739 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

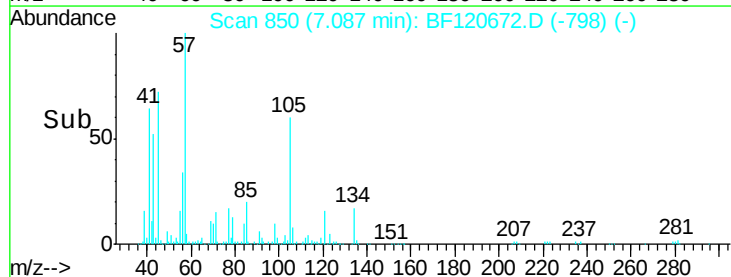
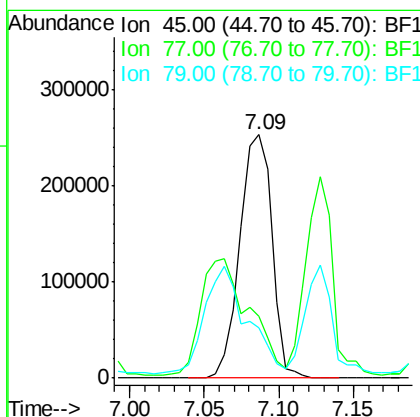
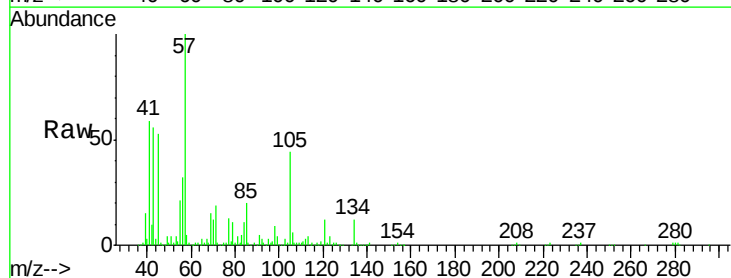
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

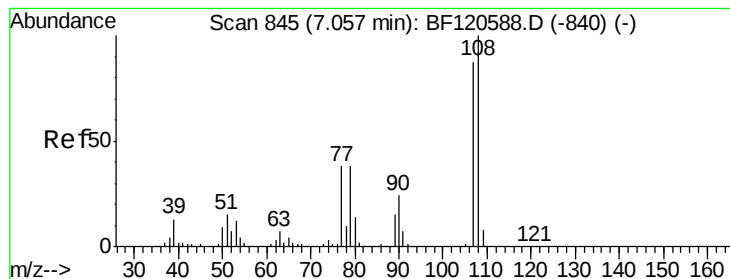
Tot Ion: 79 Resp: 254382
Ion Ratio Lower Upper
79 100
108 78.4 66.8 100.2
77 63.0 50.6 76.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.210 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion: 45 Resp: 378146
Ion Ratio Lower Upper
45 100
77 25.3 0.0 34.2
79 20.8 0.0 30.9





#17

2-Methylphenol

Concen: 37.612 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:107 Resp: 244280

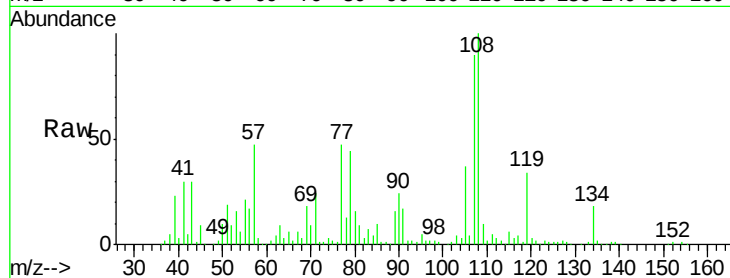
Ion Ratio Lower Upper

107 100

108 111.2 91.9 137.9

77 52.3 35.4 53.2

79 48.8 34.8 52.2

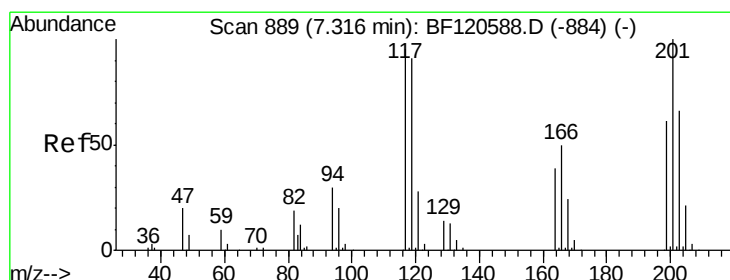
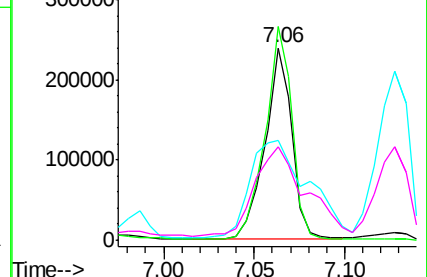
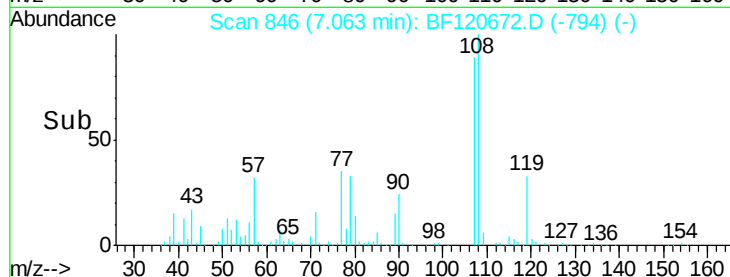


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 215.255 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.02 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

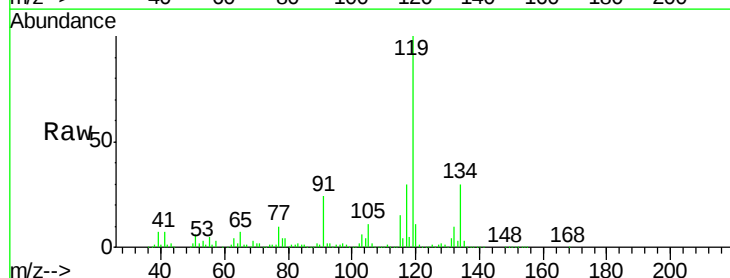
Tgt Ion:117 Resp: 633526

Ion Ratio Lower Upper

117 100

119 330.6 76.9 115.3#

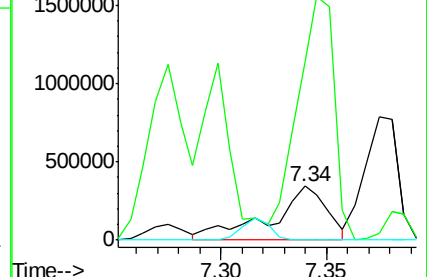
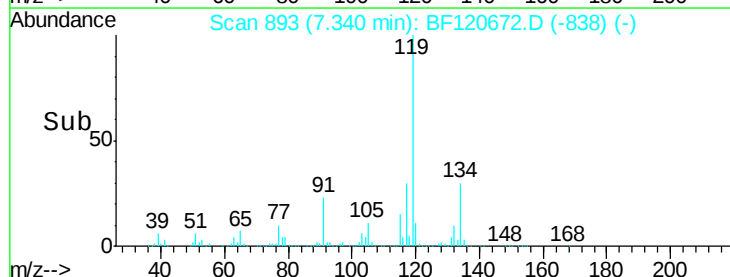
201 0.0 84.6 127.0#

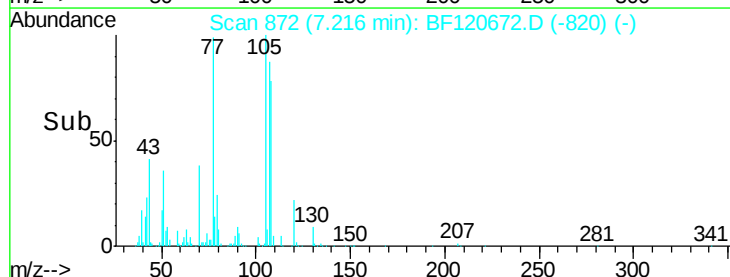
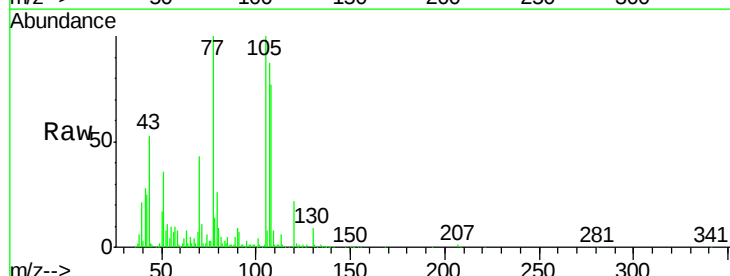
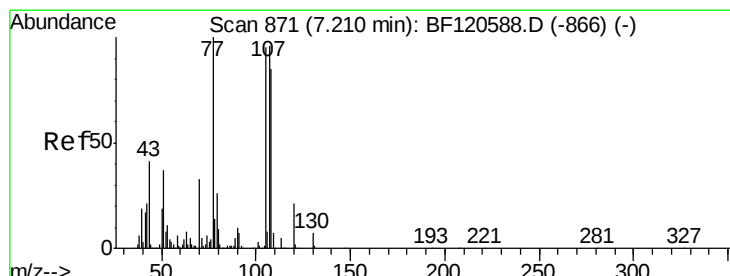
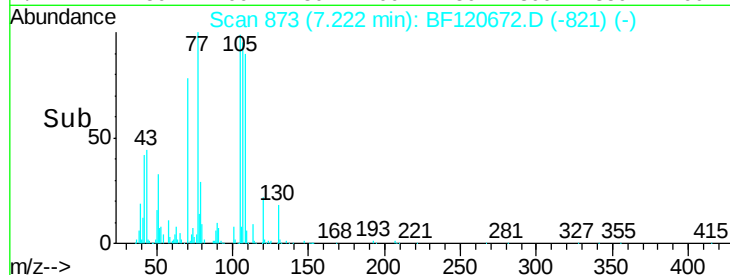
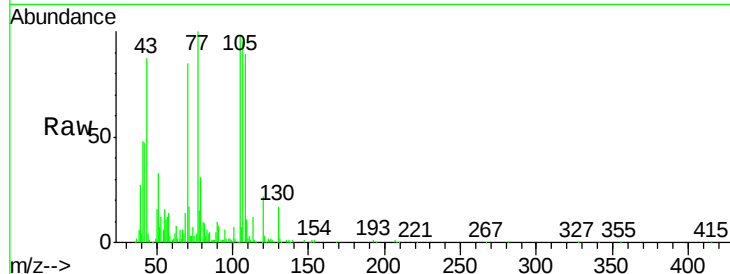
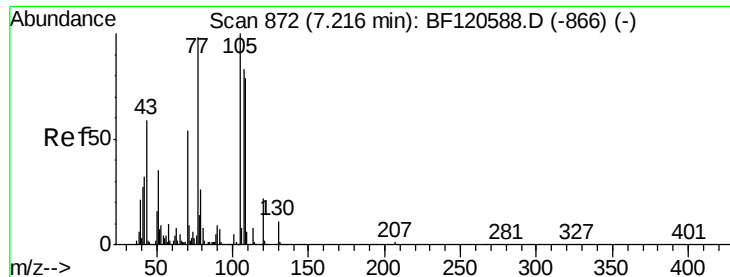


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

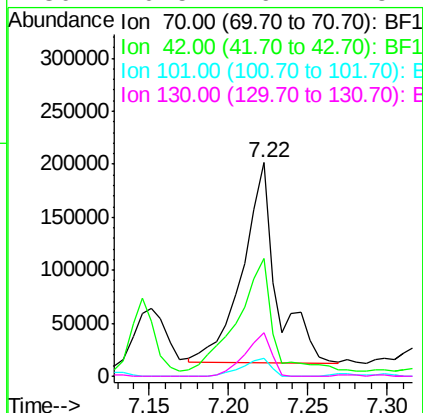




#19
n-Nitroso-di-n-propylamine
Concen: 58.140 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

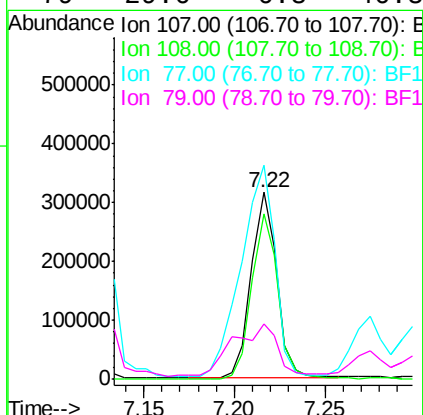
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

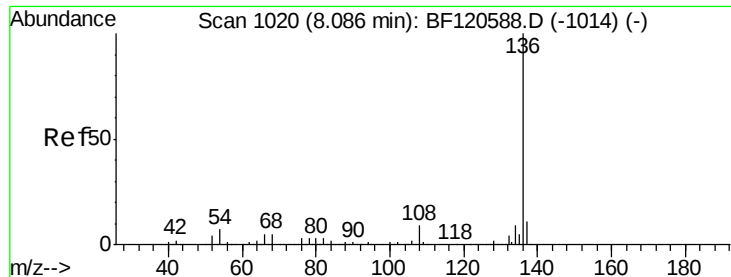
Tot Ion: 70 Resp: 283048
Ion Ratio Lower Upper
70 100
42 55.4 47.7 71.5
101 8.7 7.6 11.4
130 20.5 16.7 25.1



#20
3+4-Methylphenols
Concen: 38.760 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion: 107 Resp: 314569
Ion Ratio Lower Upper
107 100
108 88.7 68.7 108.7
77 114.7 84.2 124.2
79 29.6 6.8 46.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:136 Resp: 395981

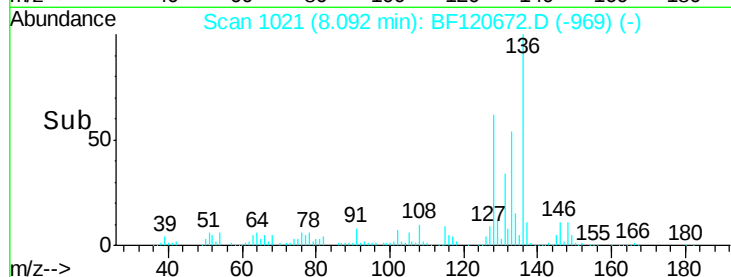
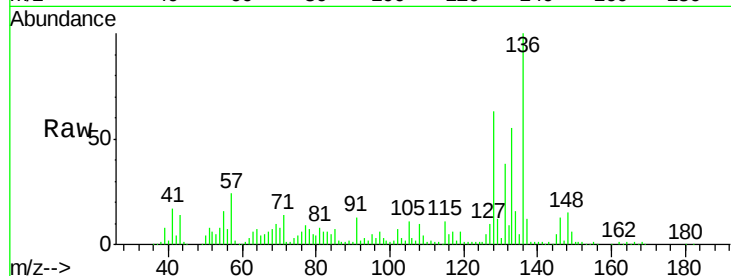
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 7.7 5.8 8.6

68 6.9 4.4 6.6#



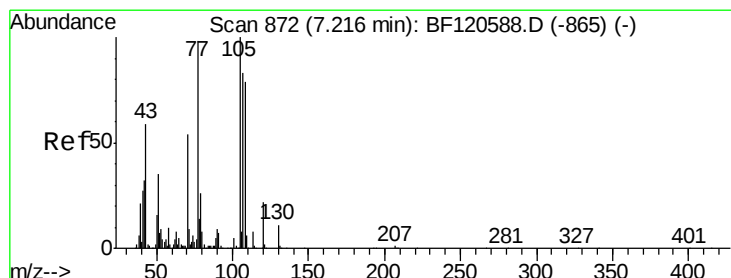
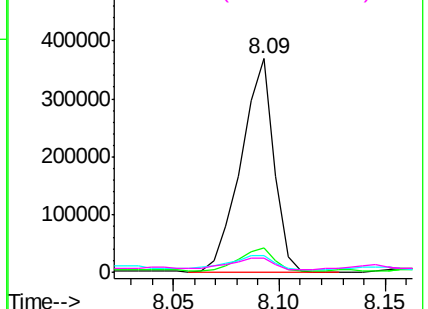
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 117.290 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Tgt Ion:105 Resp: 1038351

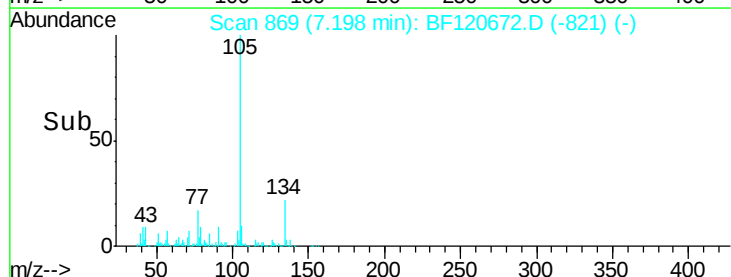
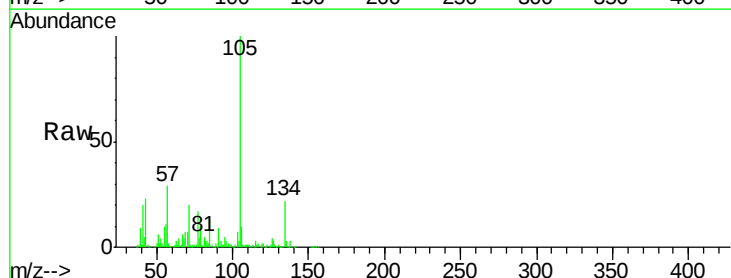
Ion Ratio Lower Upper

105 100

71 19.6 7.2 10.8#

51 6.4 27.8 41.8#

120 2.0 18.0 27.0#



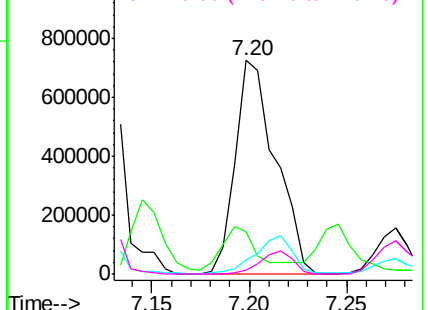
Abundance

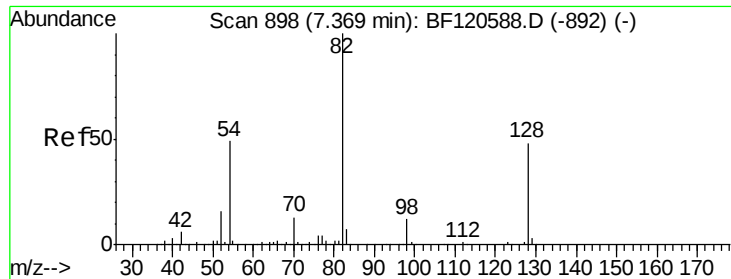
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

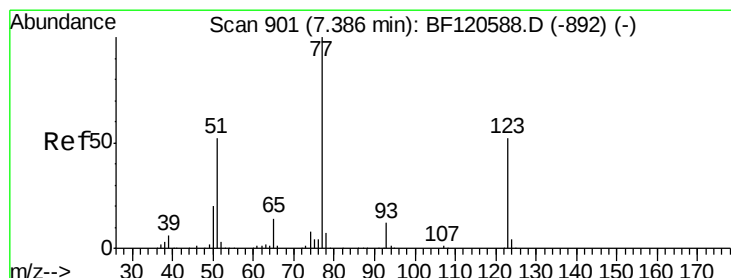
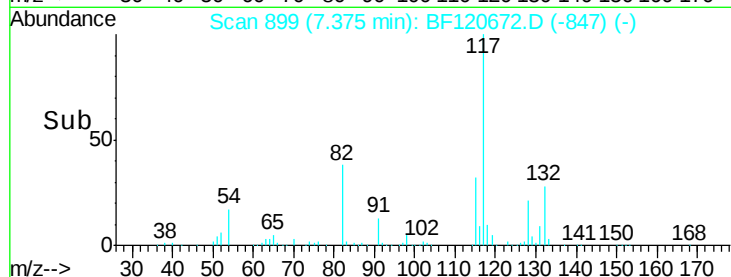
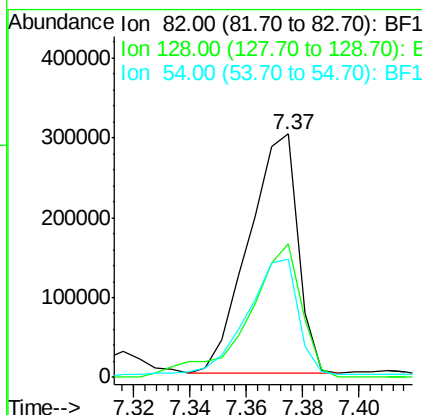
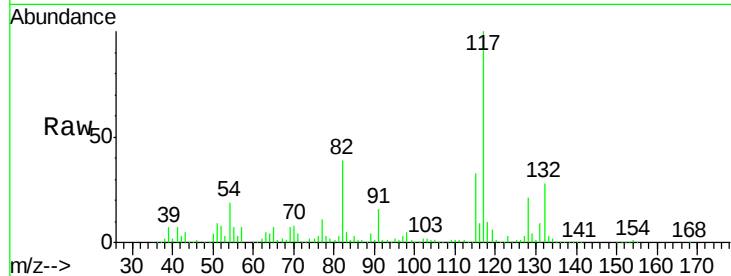




#23
Nitrobenzene-d5
Concen: 51.203 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

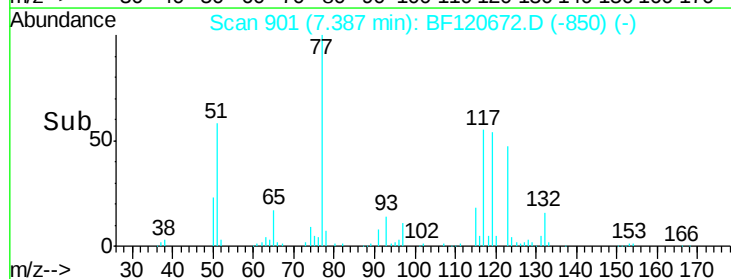
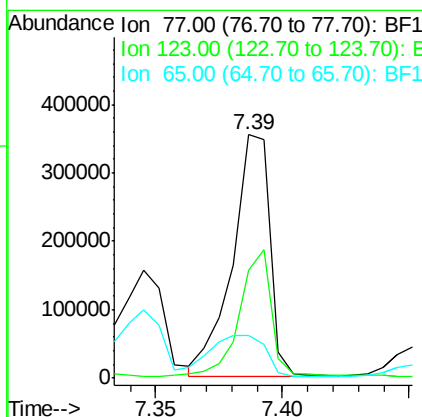
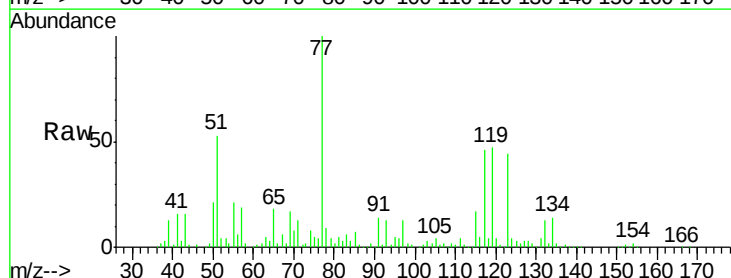
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

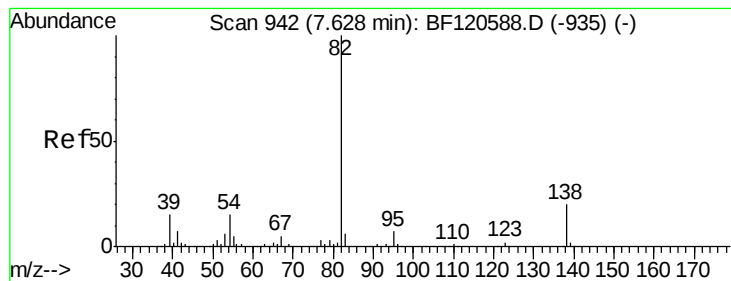
Tot Ion	82	Resp	362730
Ion Ratio	Lower	Upper	
82	100		
128	54.7	38.0	57.0
54	48.5	38.8	58.2



#24
Nitrobenzene
Concen: 48.765 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion	77	Resp	361512
Ion Ratio	Lower	Upper	
77	100		
123	44.2	41.4	62.0
65	17.6	11.0	16.4#





#25

Isophorone

Concen: 51.296 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

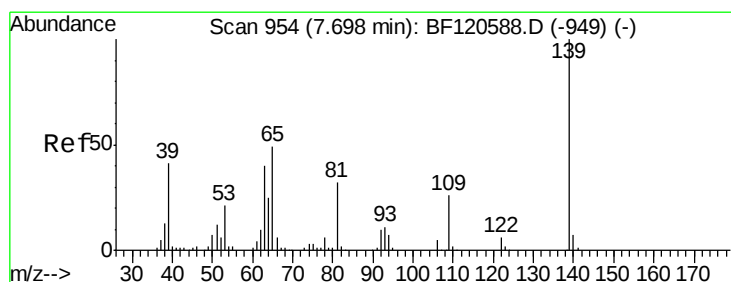
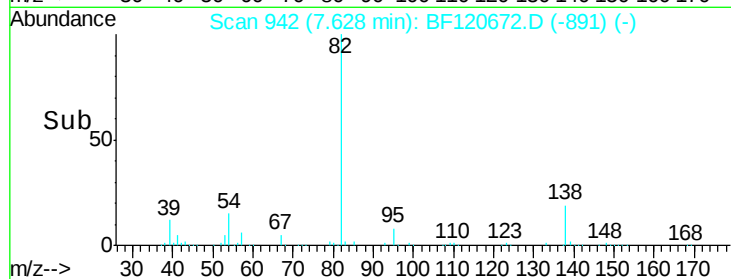
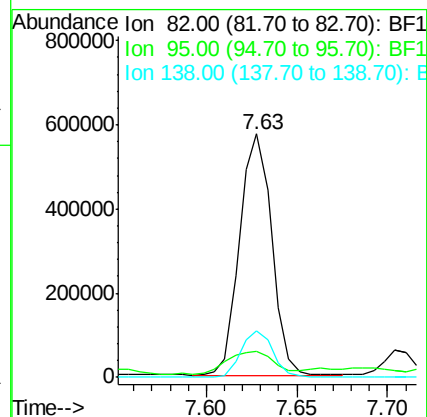
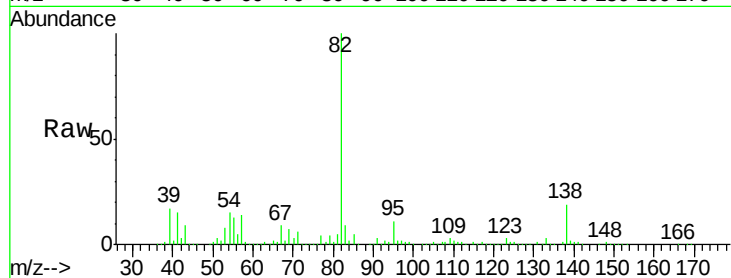
Tot Ion: 82 Resp: 707867

Ion Ratio Lower Upper

82 100

95 10.5 5.7 8.5#

138 19.0 16.2 24.4



#26

2-Nitrophenol

Concen: 49.258 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

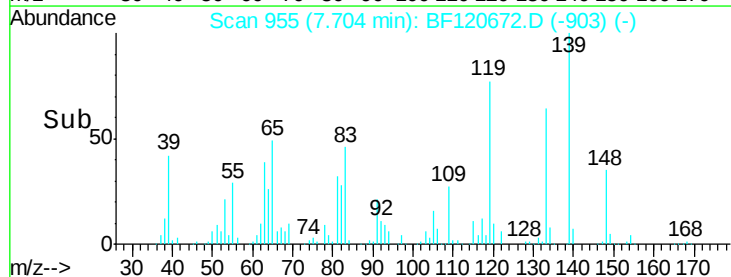
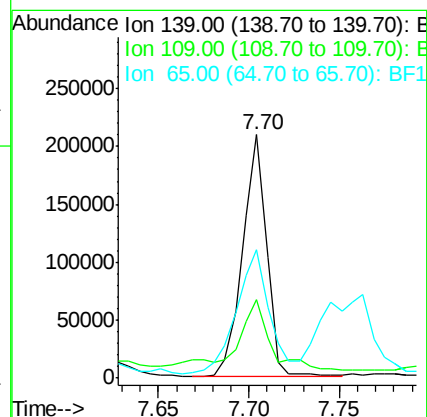
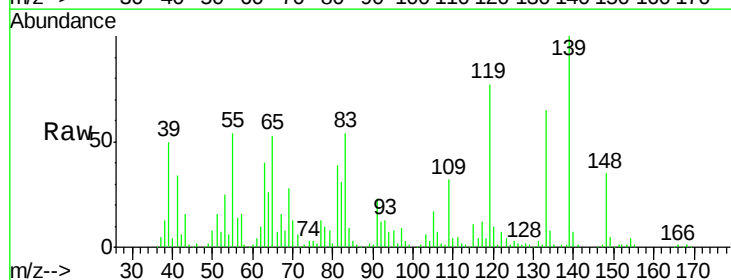
Tgt Ion: 139 Resp: 193185

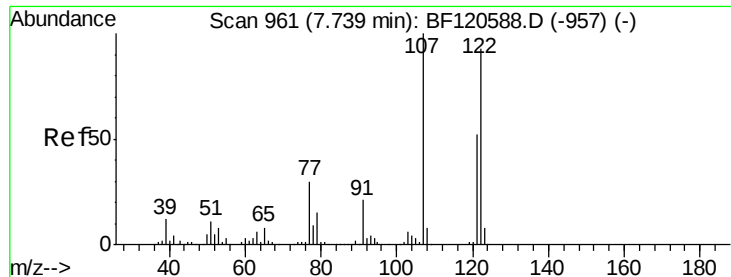
Ion Ratio Lower Upper

139 100

109 32.0 21.1 31.7#

65 52.6 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 44.505 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

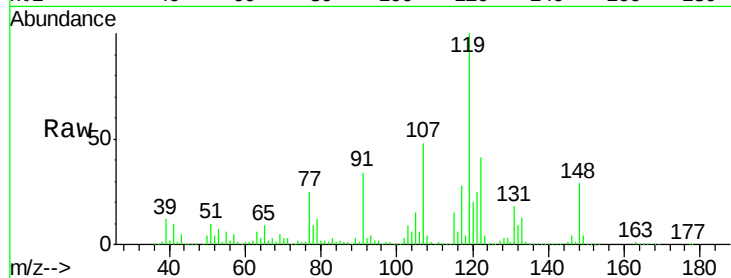
Tot Ion:122 Resp: 256999

Ion Ratio Lower Upper

122 100

107 117.4 86.4 129.6

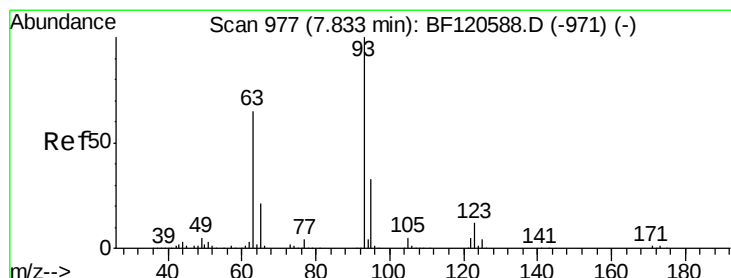
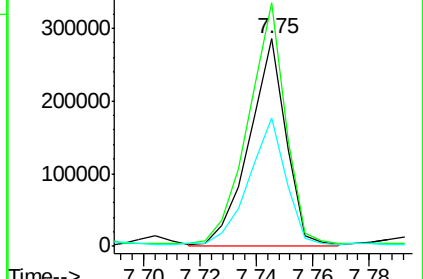
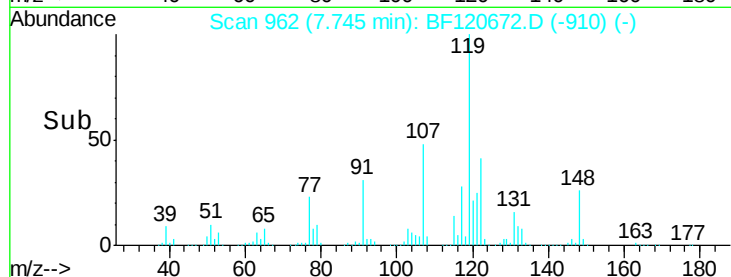
121 62.1 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.954 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

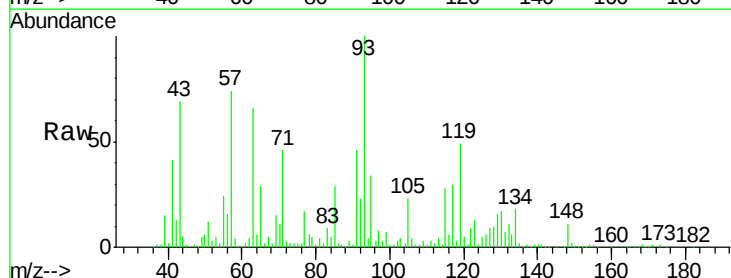
Tgt Ion: 93 Resp: 351600

Ion Ratio Lower Upper

93 100

95 34.0 26.2 39.4

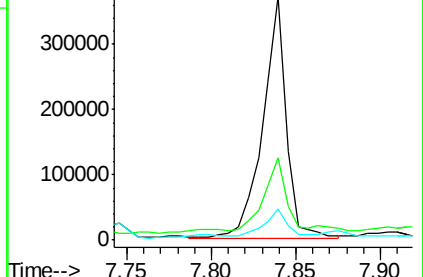
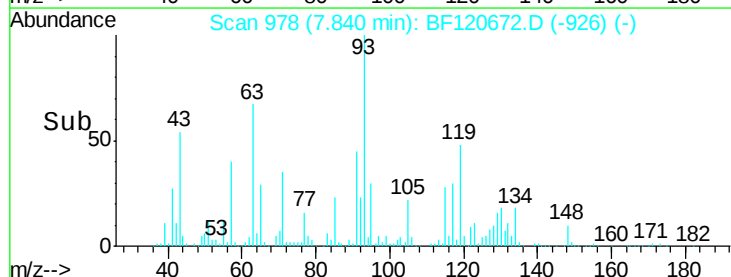
123 12.8 9.5 14.3

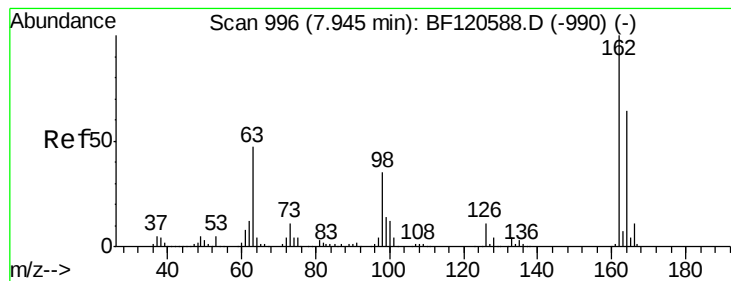


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 52.235 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

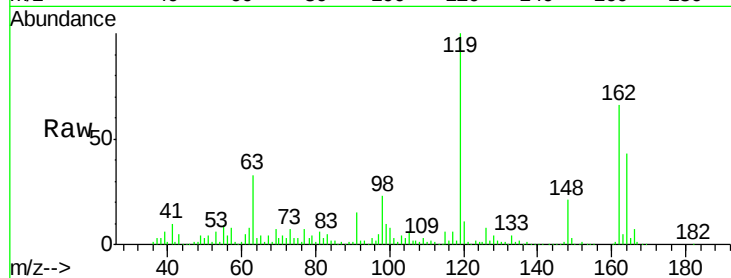
Tot Ion:162 Resp: 306615

Ion Ratio Lower Upper

162 100

164 64.8 44.1 84.1

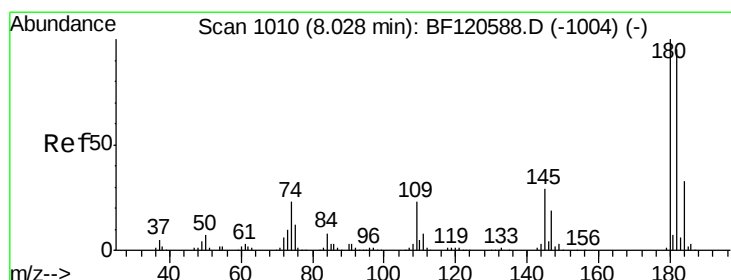
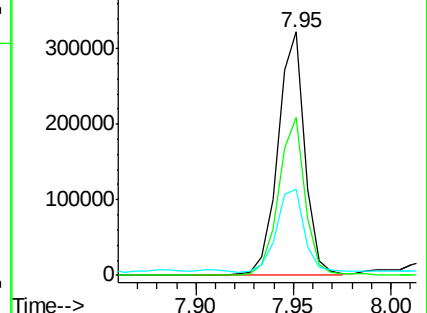
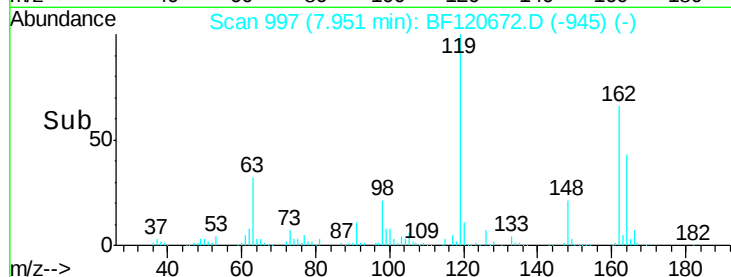
98 35.4 14.7 54.7



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 52.083 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

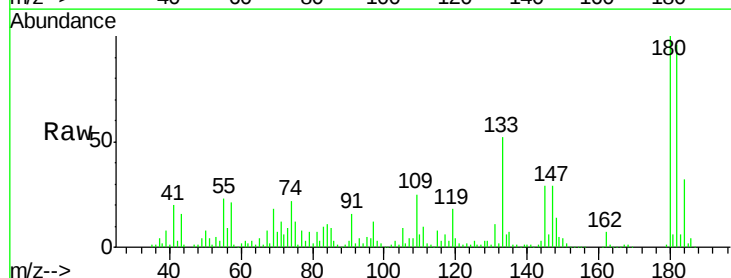
Tgt Ion:180 Resp: 338799

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

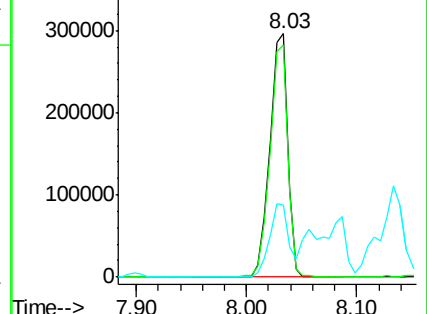
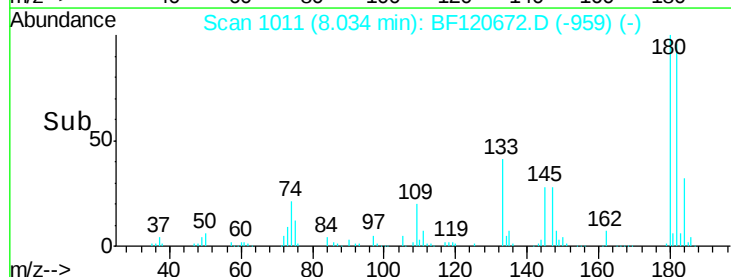
145 29.5 23.0 34.6

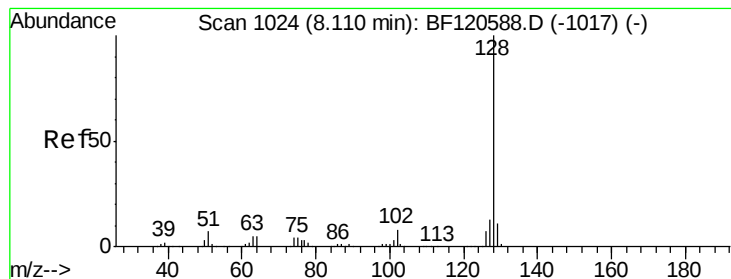


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 147.700 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

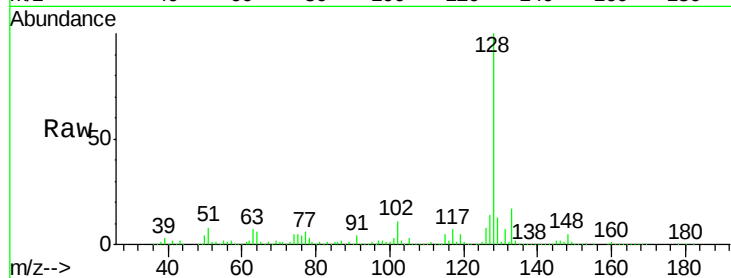
Tot Ion:128 Resp: 2871878

Ion Ratio Lower Upper

128 100

129 12.9 8.8 13.2

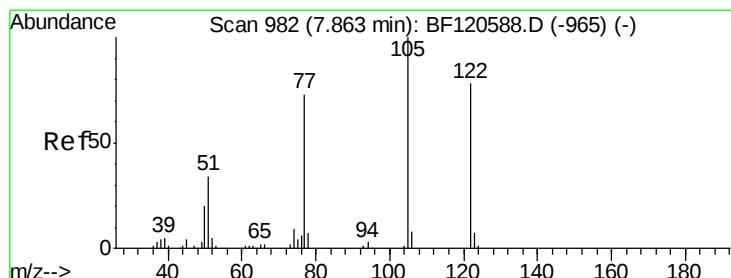
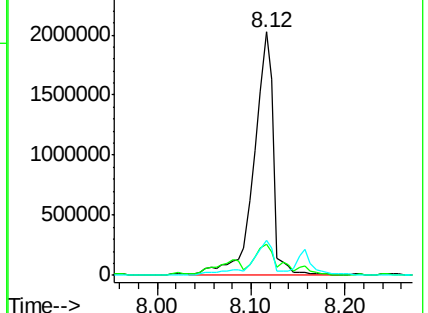
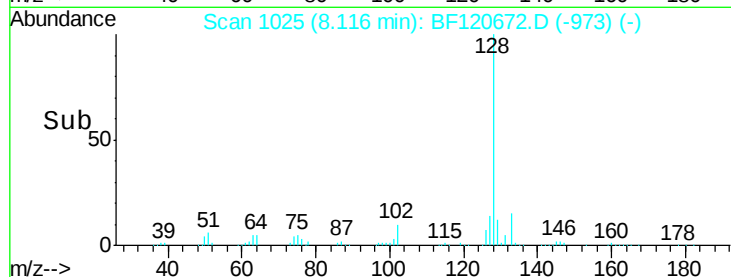
127 14.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 43.966 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

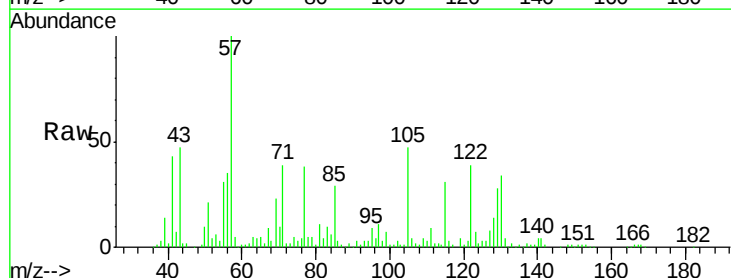
Tgt Ion:122 Resp: 194795

Ion Ratio Lower Upper

122 100

105 119.9 101.0 141.0

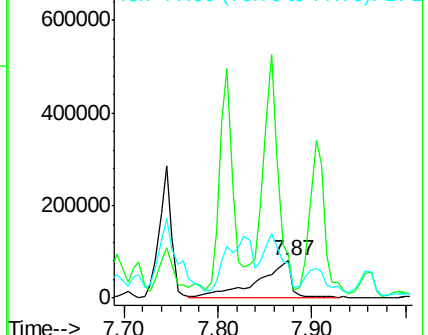
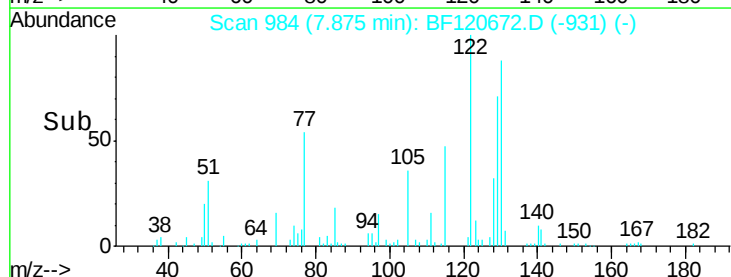
77 95.8 69.8 109.8

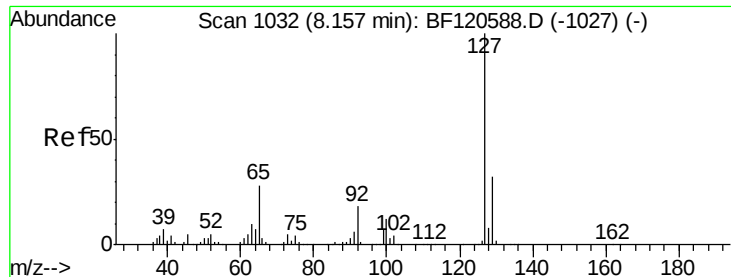


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

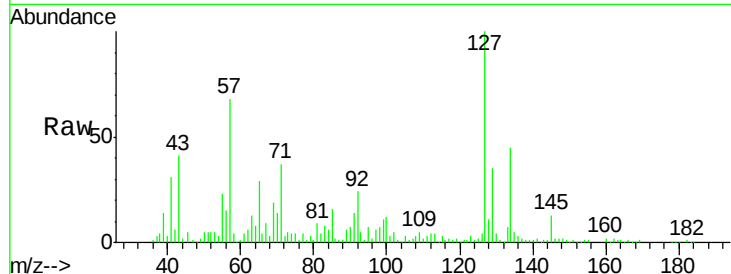




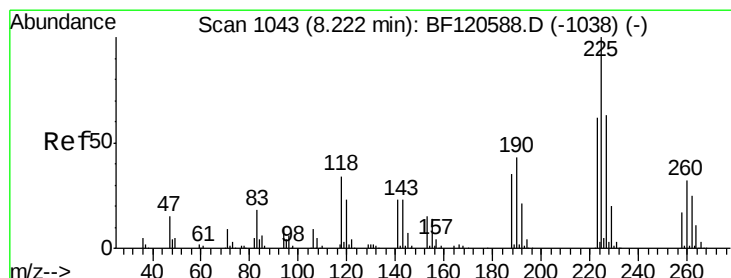
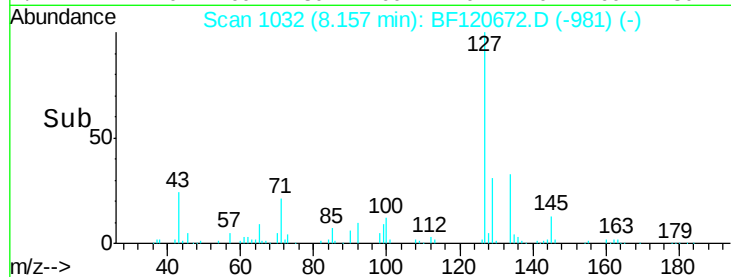
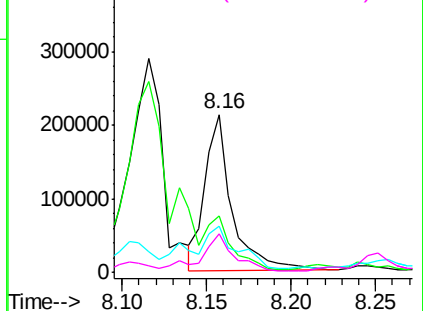
#33
4-Chloroaniline
Concen: 26.568 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:	127	Resp:	237112
Ion	Ratio	Lower	Upper
127	100		
129	35.4	25.9	38.9
65	29.5	22.2	33.4
92	24.2	14.2	21.2#

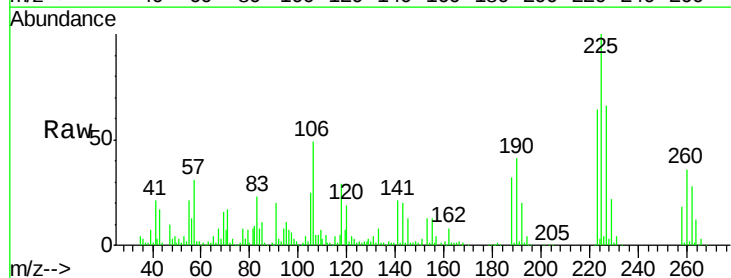


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

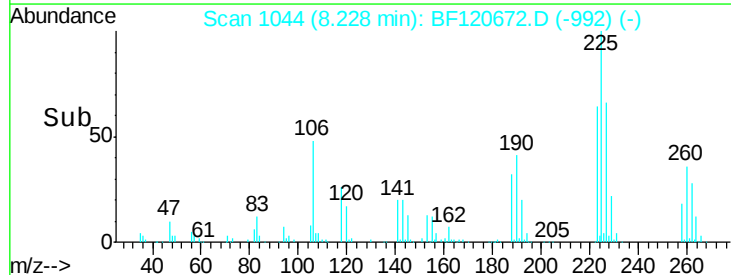
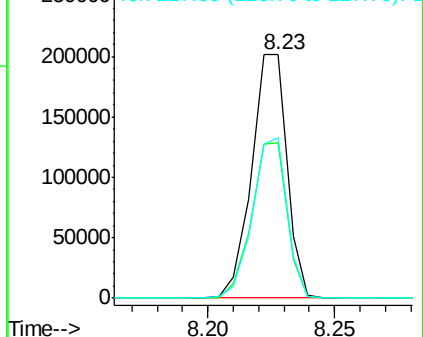


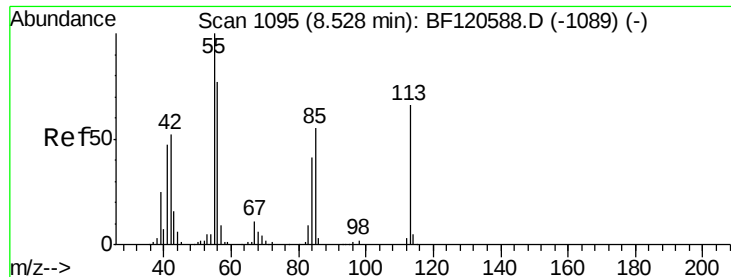
#34
Hexachlorobutadiene
Concen: 51.952 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:	225	Resp:	196994
Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.9	74.9
227	66.1	50.5	75.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

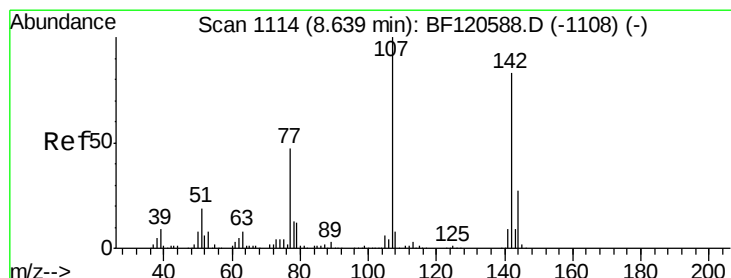
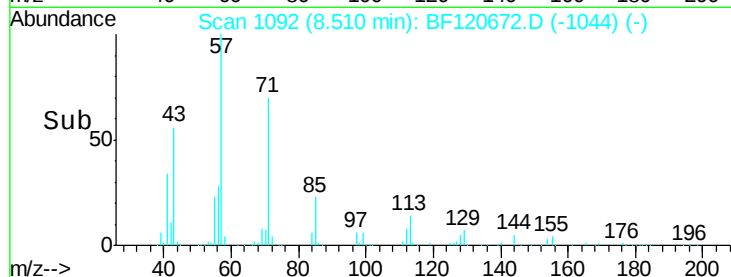
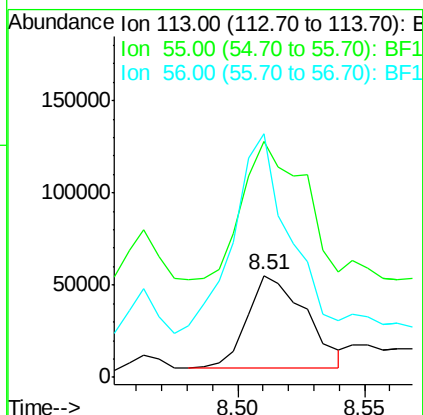
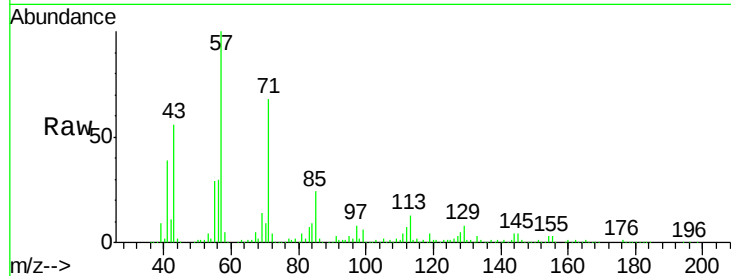




#35
Caprolactam
Concen: 42.739 ng
RT: 8.51 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

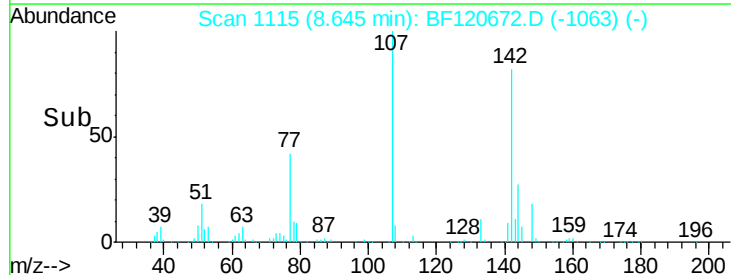
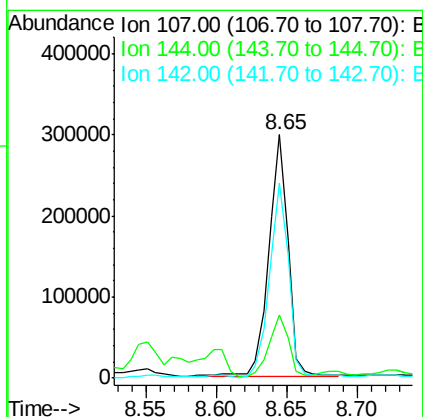
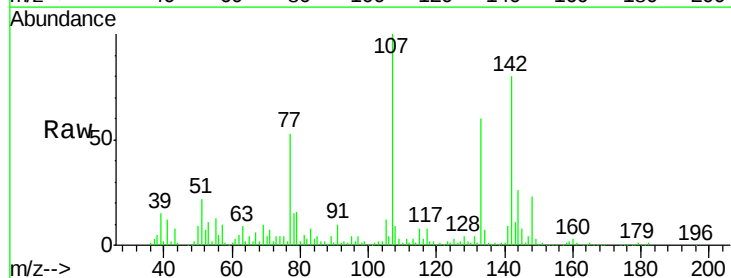
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

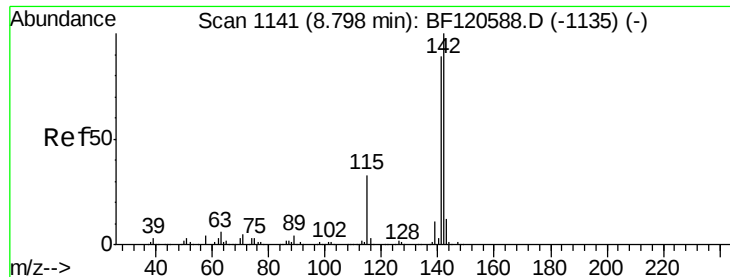
Tot Ion:113 Resp: 80237
Ion Ratio Lower Upper
113 100
55 231.4 133.1 173.1#
56 238.8 98.4 138.4#



#36
4-Chloro-3-methylphenol
Concen: 48.308 ng
RT: 8.65 min Scan# 1115
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:107 Resp: 283300
Ion Ratio Lower Upper
107 100
144 26.0 21.4 32.2
142 80.1 66.3 99.5

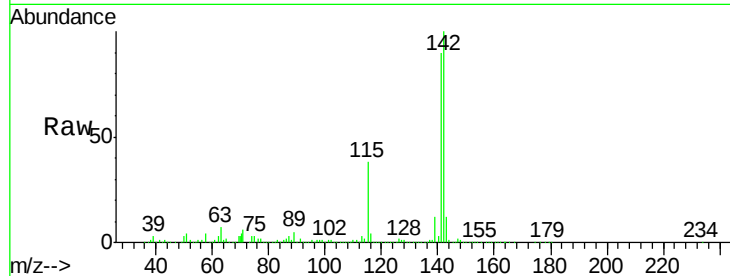




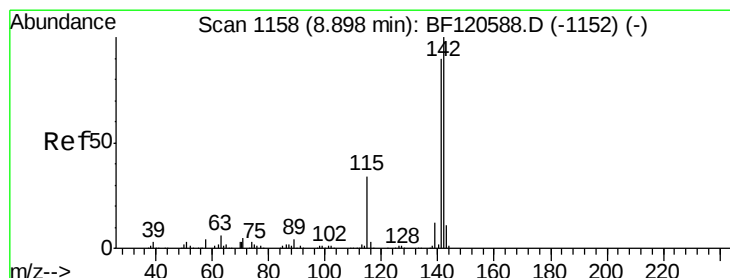
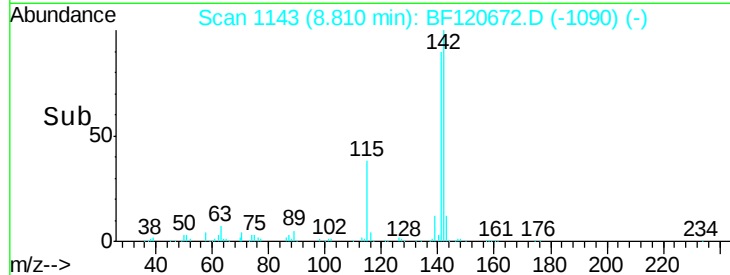
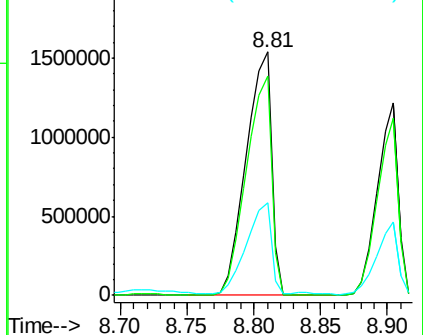
#37
2-Methylnaphthalene
Concen: 158.192 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:142 Resp: 2007958
Ion Ratio Lower Upper
142 100
141 90.0 71.4 107.0
115 38.0 26.1 39.1

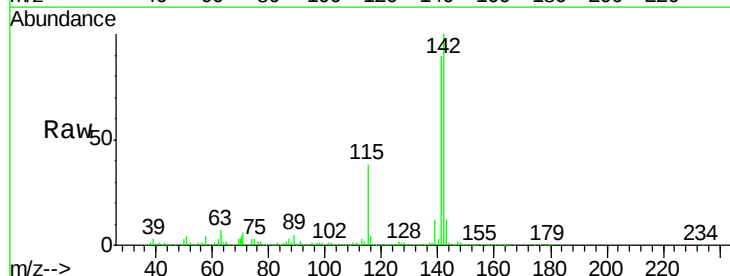


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

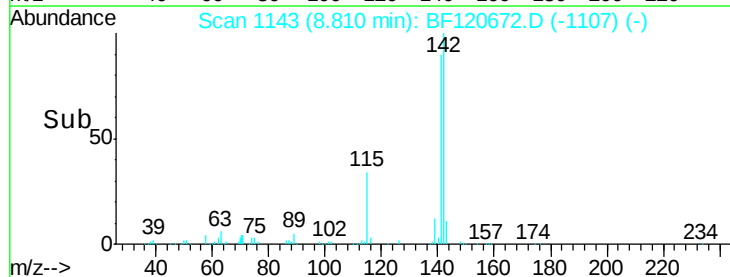
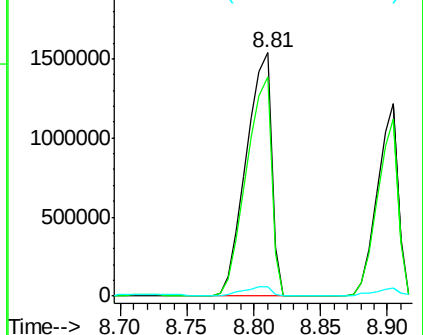


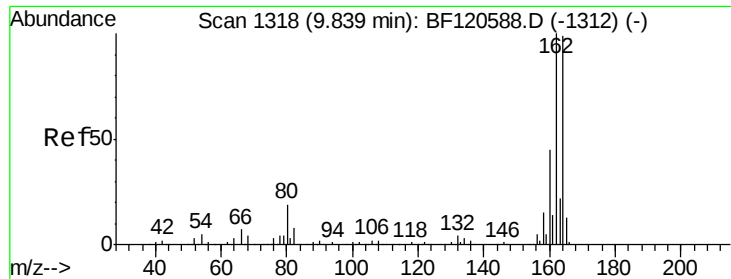
#38
1-Methylnaphthalene
Concen: 168.115 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.09 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:142 Resp: 2007958
Ion Ratio Lower Upper
142 100
141 90.0 72.1 108.1
116 4.0 2.7 4.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

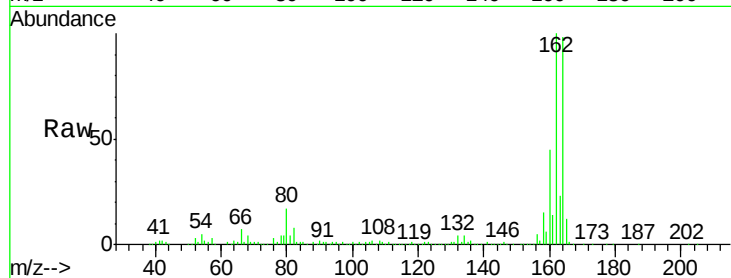




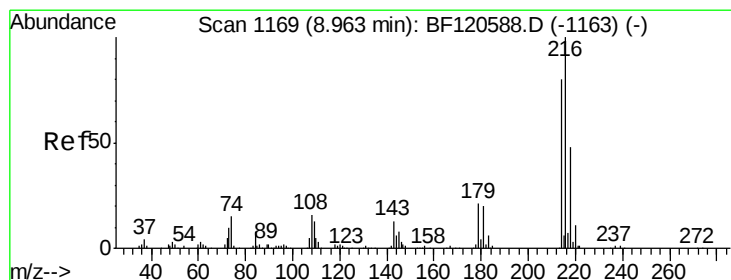
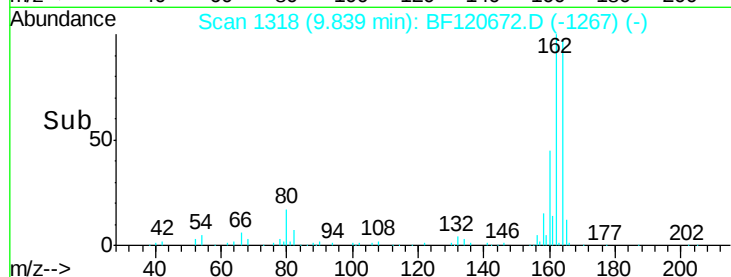
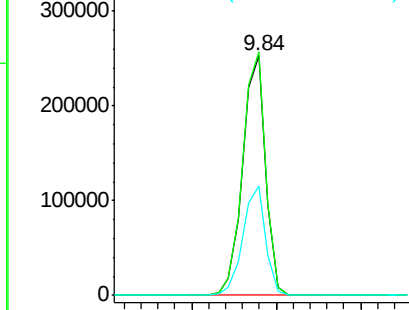
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	45.3	36.2	54.2



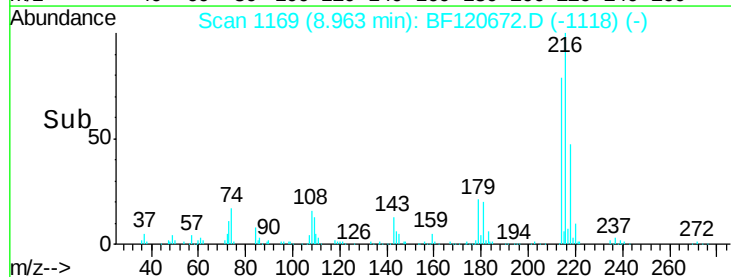
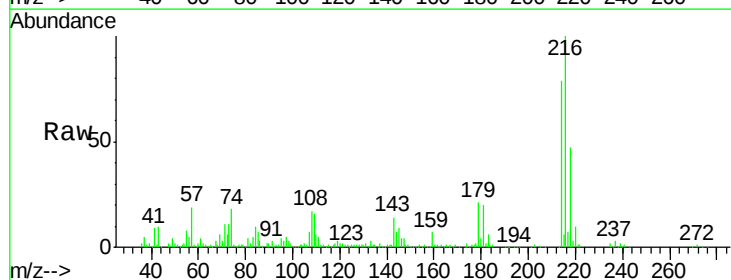
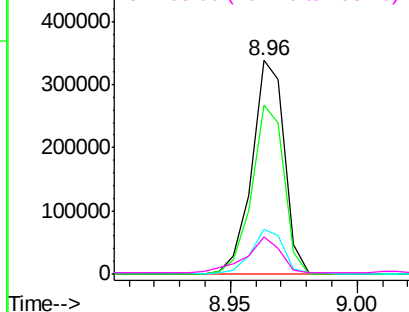
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

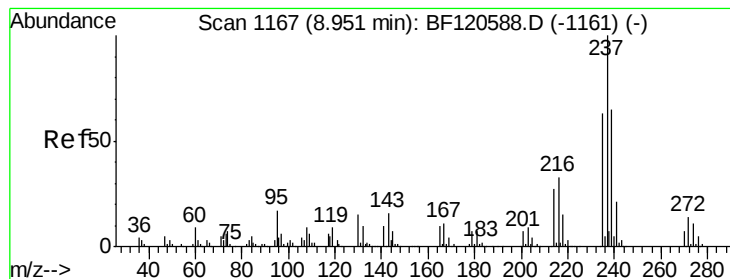


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.780 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	20.4	16.4	24.6
108	18.4	13.8	20.8

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 72.253 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

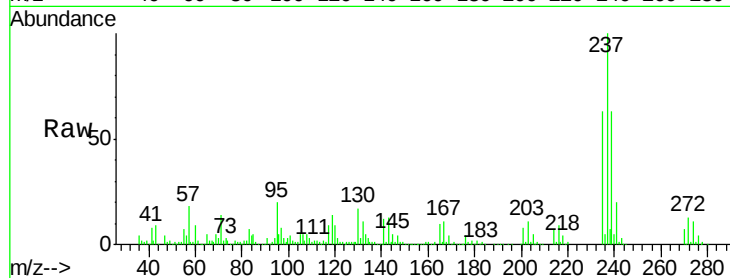
Tot Ion:237 Resp: 290450

Ion Ratio Lower Upper

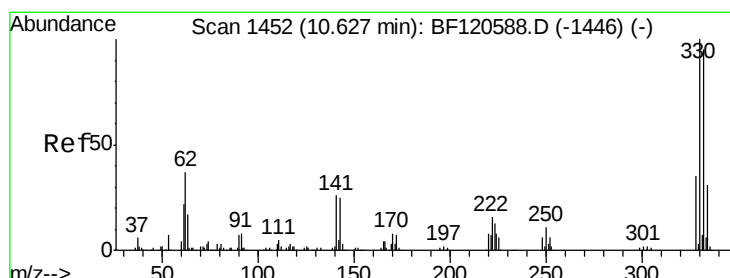
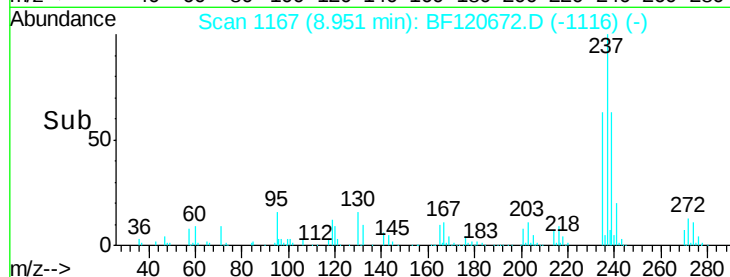
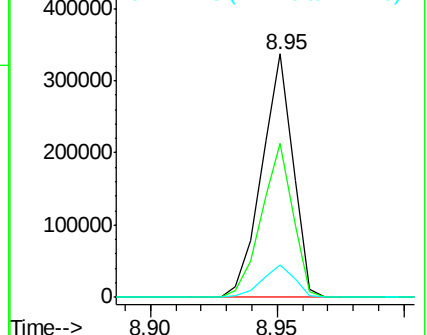
237 100

235 63.1 43.2 83.2

272 13.5 0.0 33.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 82.006 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

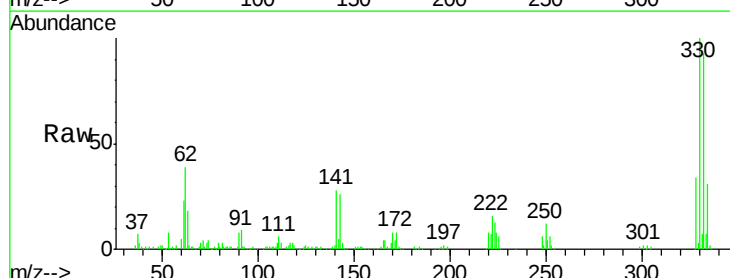
Tgt Ion:330 Resp: 229061

Ion Ratio Lower Upper

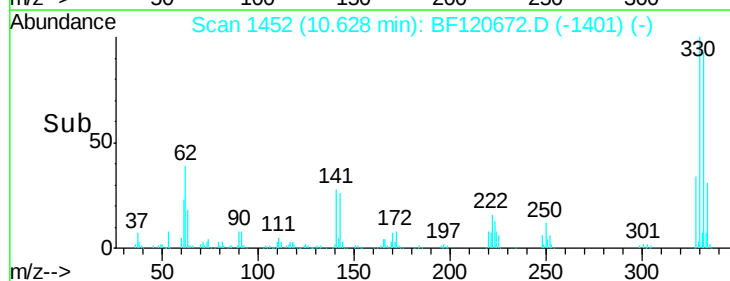
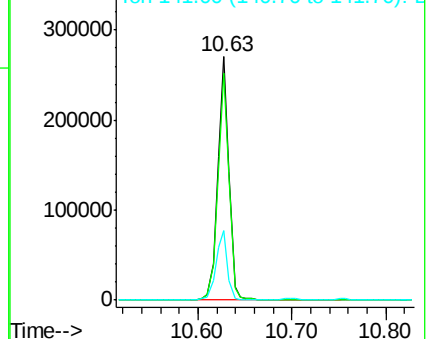
330 100

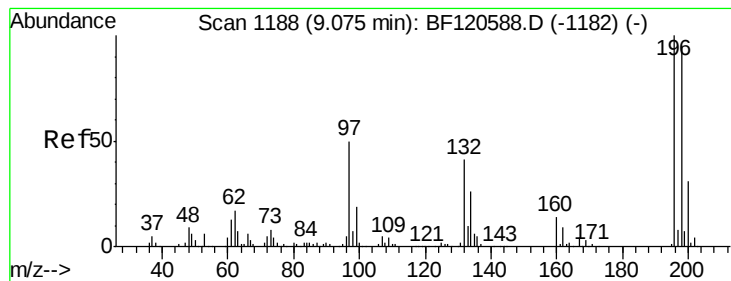
332 93.6 76.8 115.2

141 28.6 23.2 34.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 41.747 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

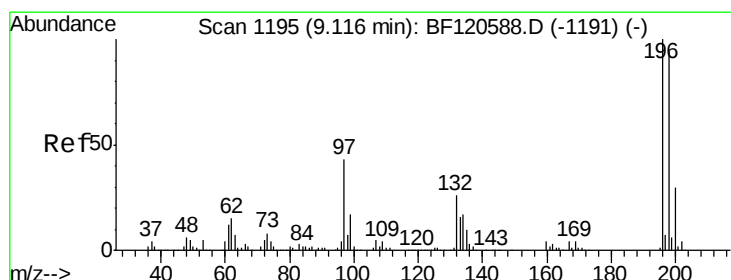
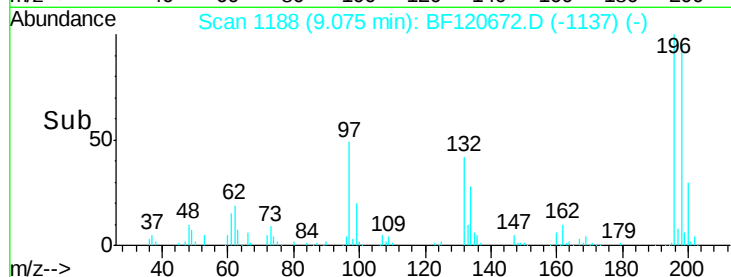
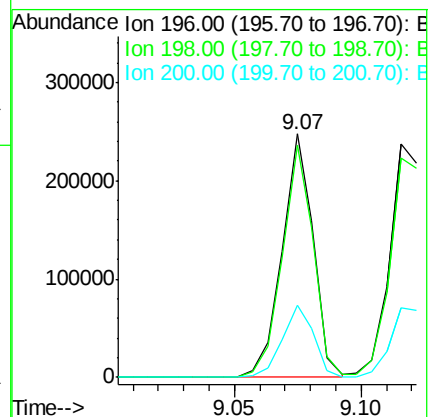
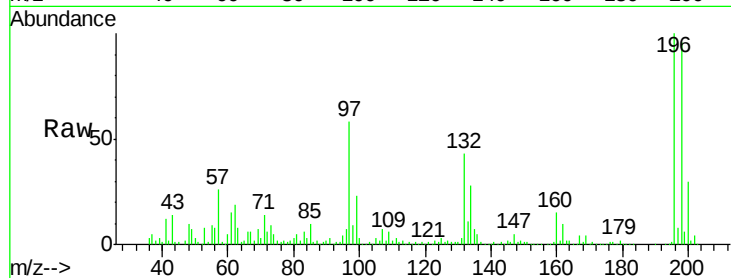
Tot Ion:196 Resp: 212436

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 29.8 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.710 ng

RT: 9.12 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Tgt Ion:196 Resp: 229254

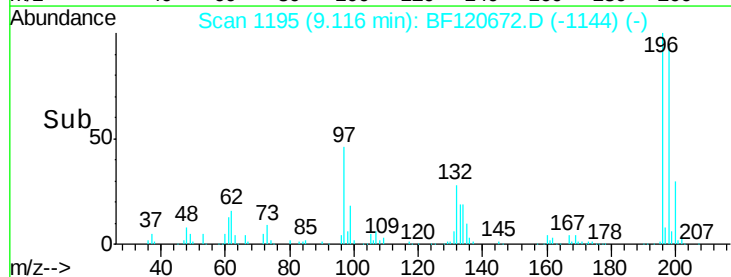
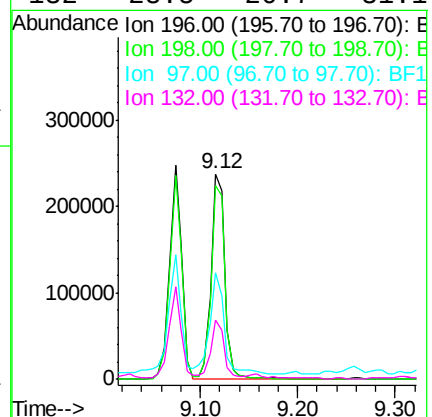
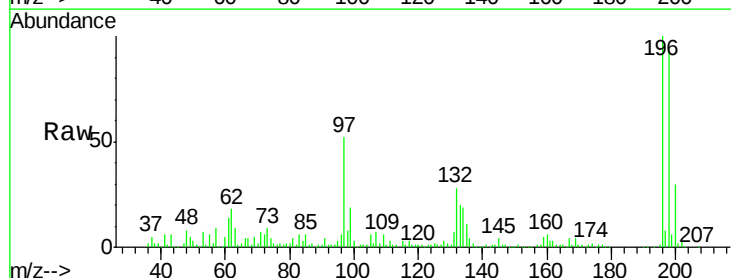
Ion Ratio Lower Upper

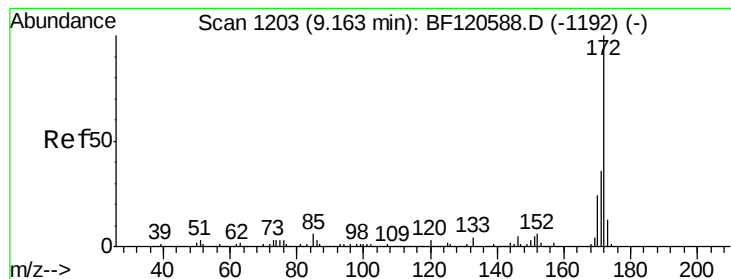
196 100

198 93.9 75.5 113.3

97 51.5 34.4 51.6

132 28.5 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 59.313 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

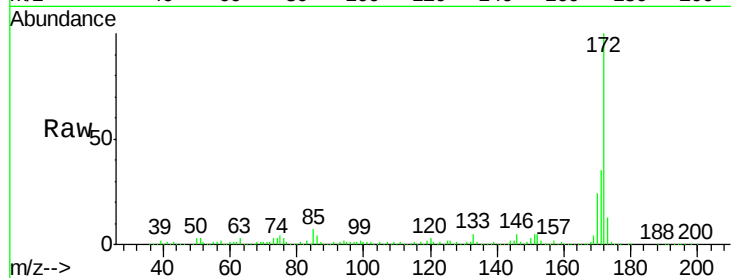
Tot Ion:172 Resp: 931372

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.4

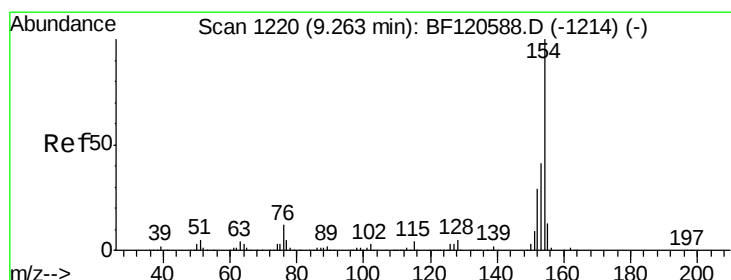
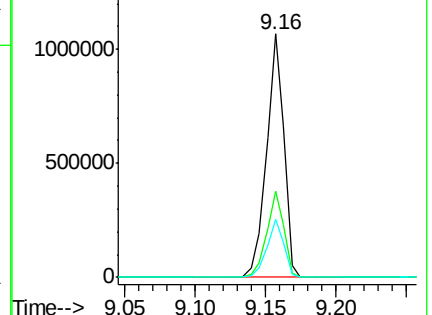
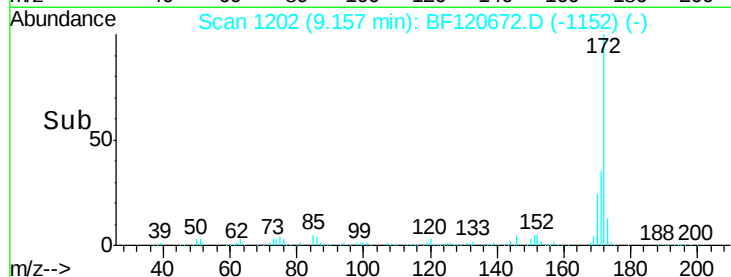
170 23.8 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 46.241 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

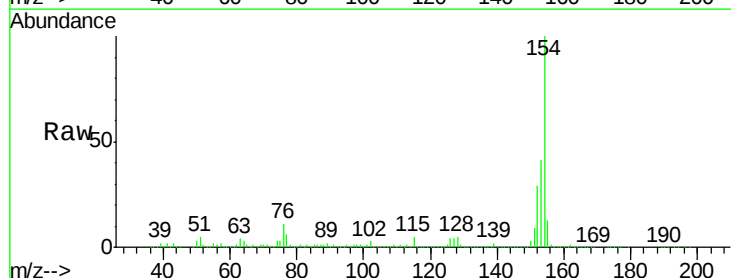
Tgt Ion:154 Resp: 829549

Ion Ratio Lower Upper

154 100

153 40.8 21.4 61.4

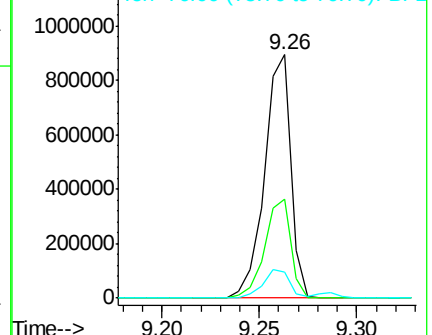
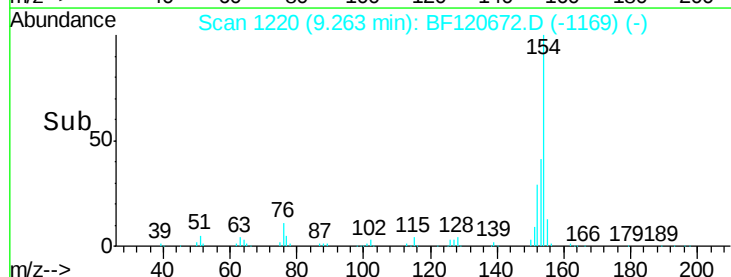
76 10.9 0.0 31.6

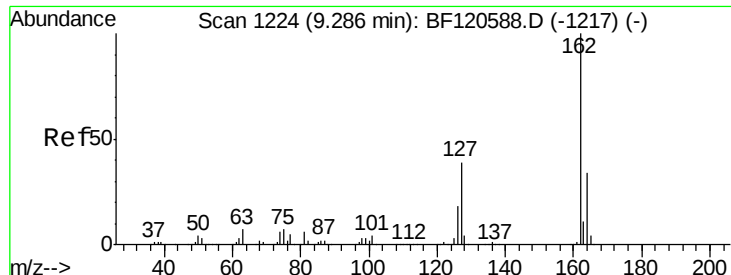


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

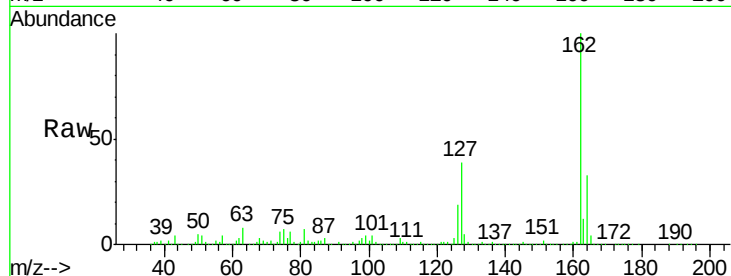




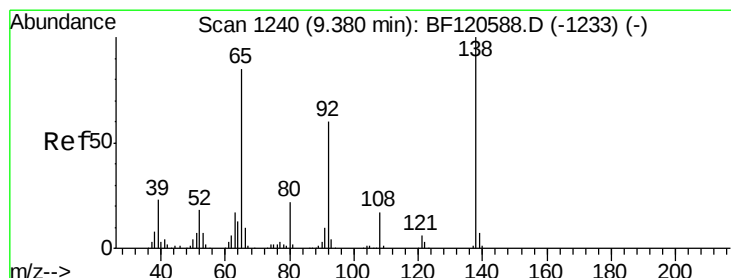
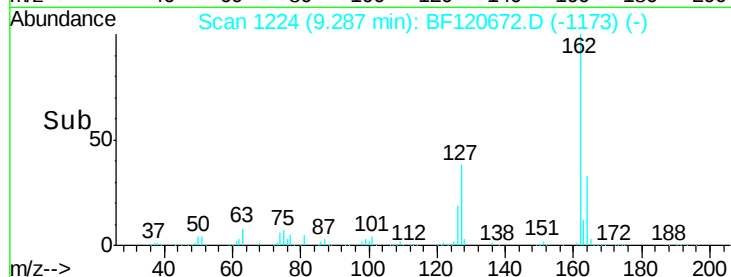
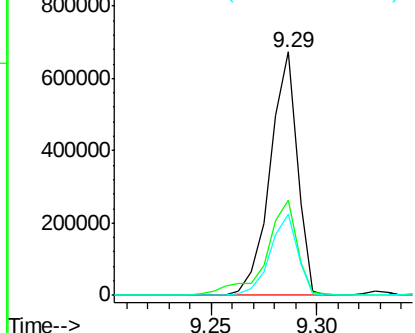
#47
2-Chloronaphthalene
Concen: 41.180 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:162 Resp: 604110
Ion Ratio Lower Upper
162 100
127 39.0 31.3 46.9
164 33.3 26.9 40.3

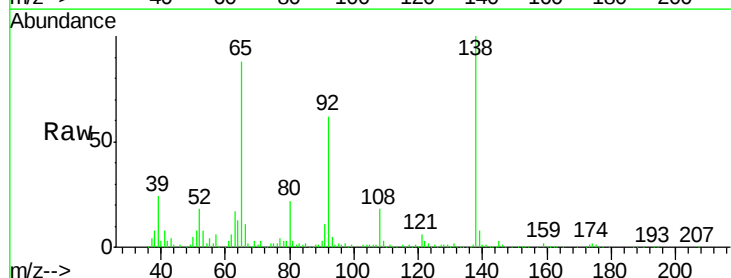


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

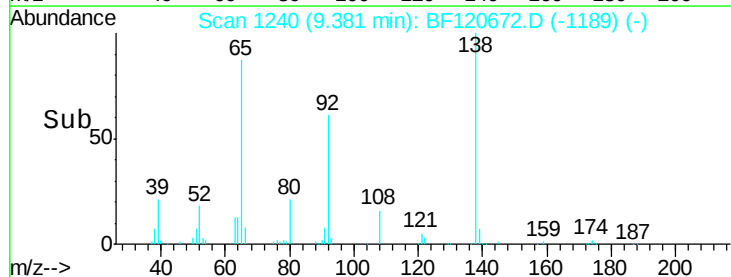
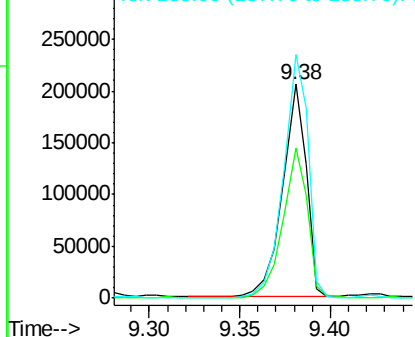


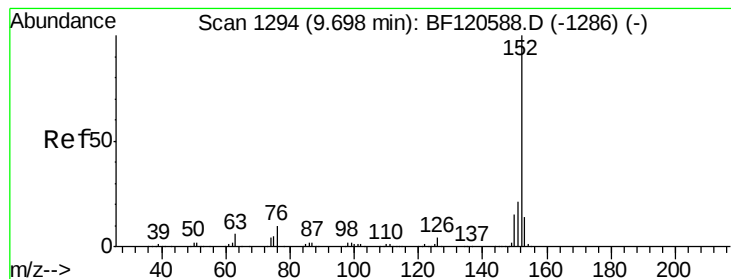
#48
2-Nitroaniline
Concen: 40.903 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion: 65 Resp: 188454
Ion Ratio Lower Upper
65 100
92 70.4 56.0 84.0
138 114.0 94.0 141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.994 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

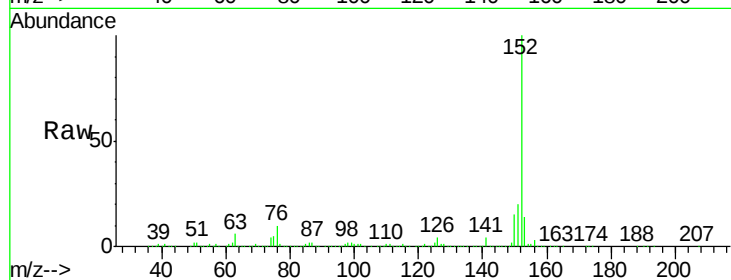
Tot Ion:152 Resp: 973390

Ion Ratio Lower Upper

152 100

151 20.5 16.6 25.0

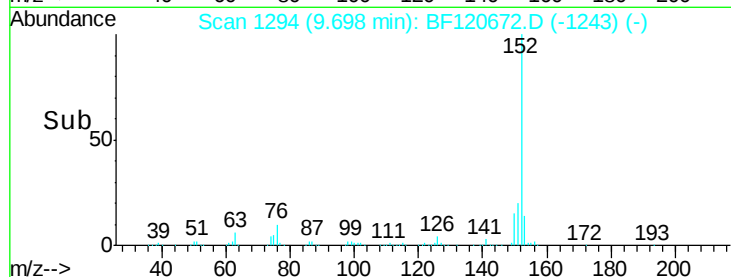
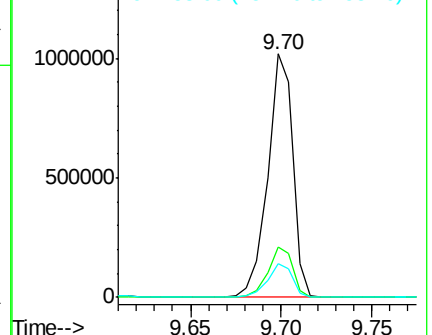
153 13.9 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.843 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

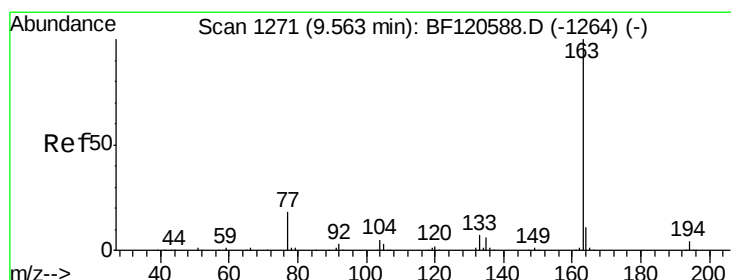
Tgt Ion:163 Resp: 862420

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

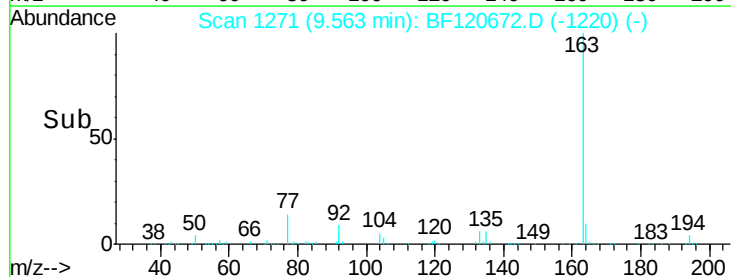
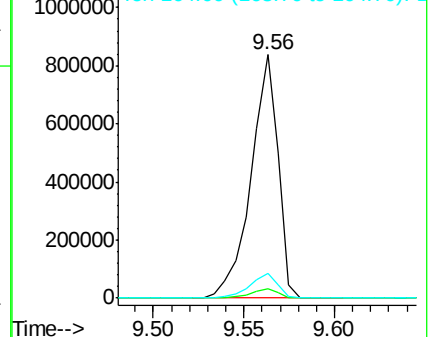
164 10.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 43.066 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

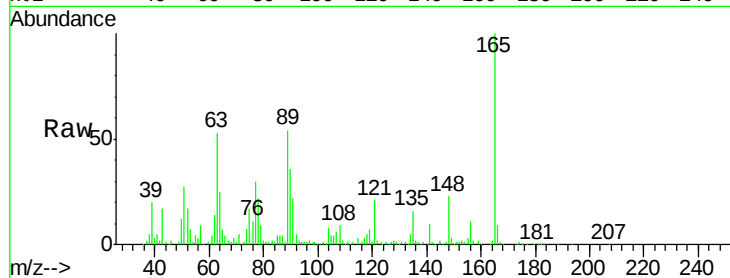
Tot Ion:165 Resp: 168876

Ion Ratio Lower Upper

165 100

63 53.4 41.7 62.5

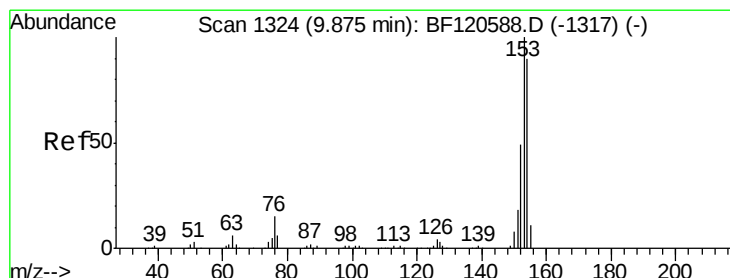
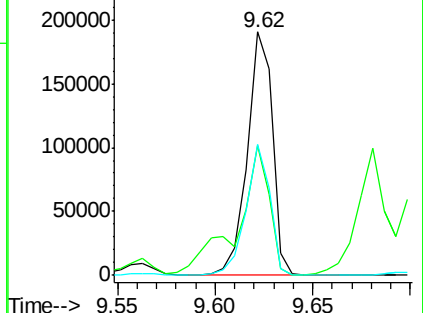
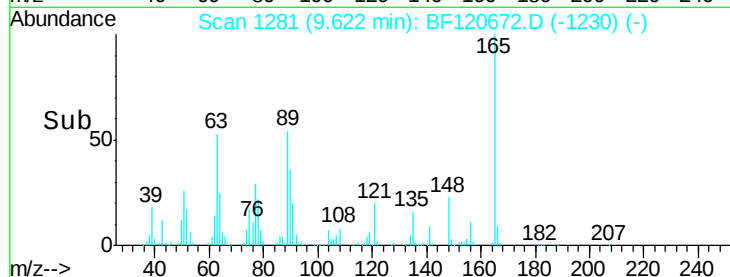
89 53.7 42.6 64.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 42.598 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

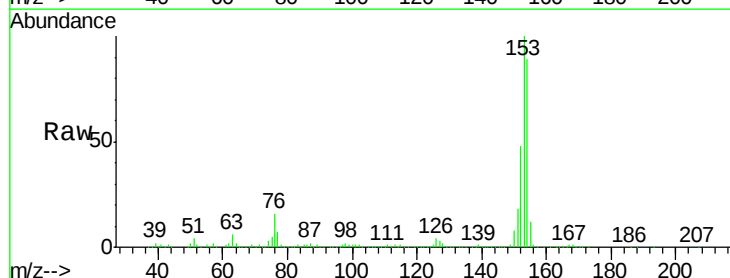
Tgt Ion:154 Resp: 575191

Ion Ratio Lower Upper

154 100

153 111.8 89.1 133.7

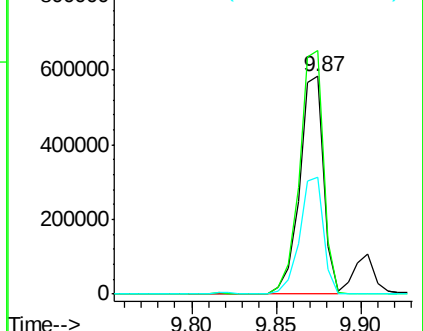
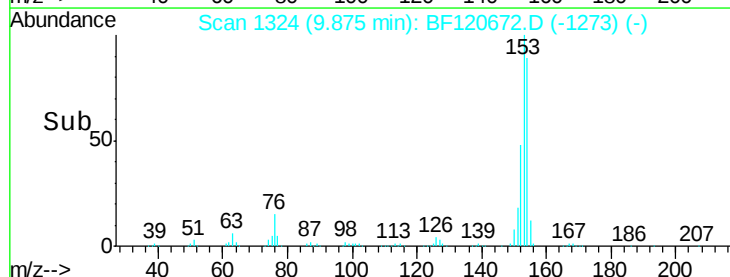
152 53.4 43.7 65.5

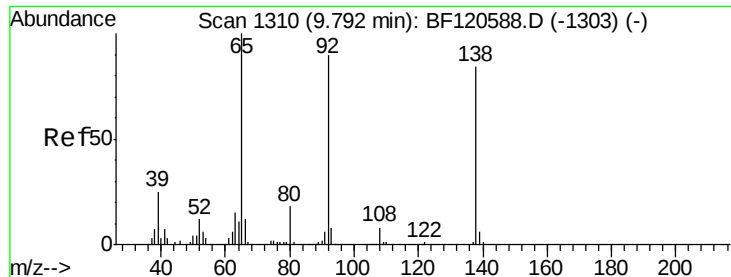


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

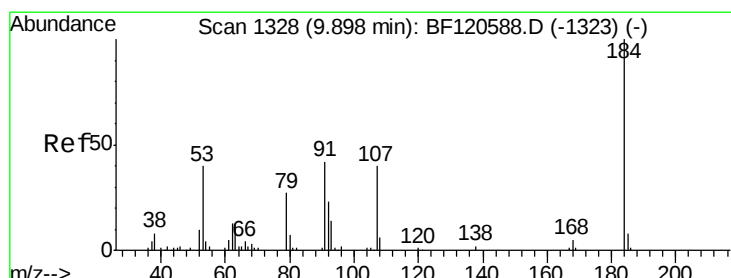
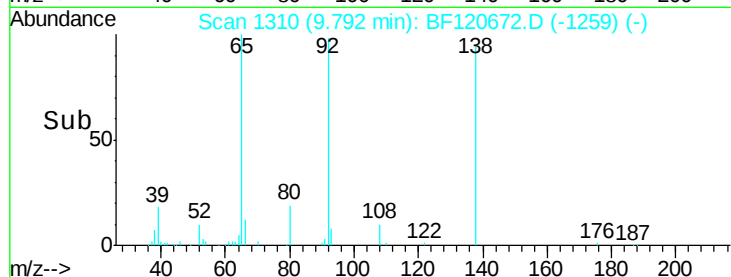
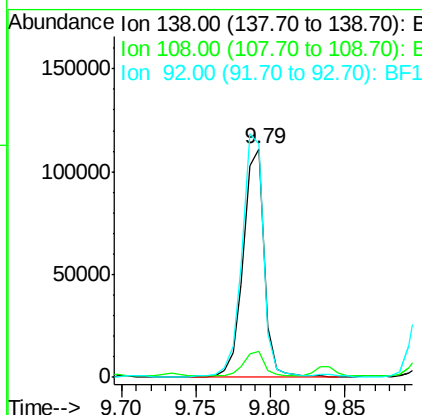
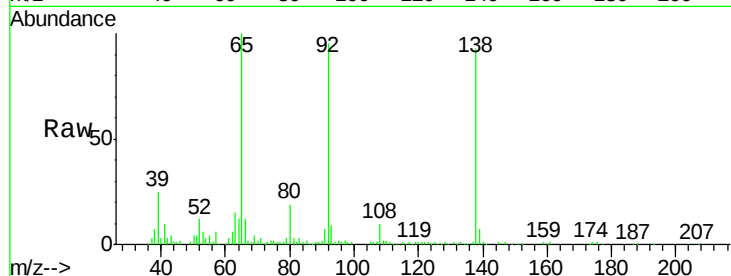




#53
3-Nitroaniline
Concen: 22.832 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

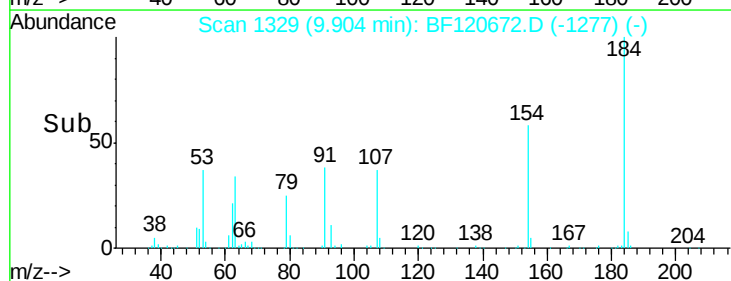
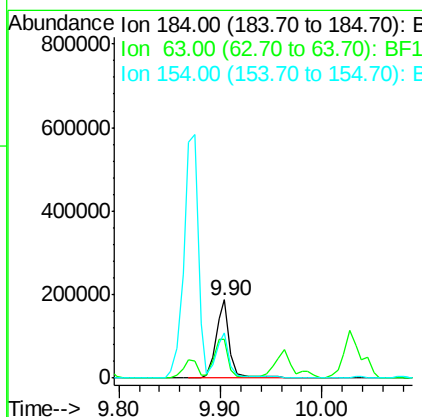
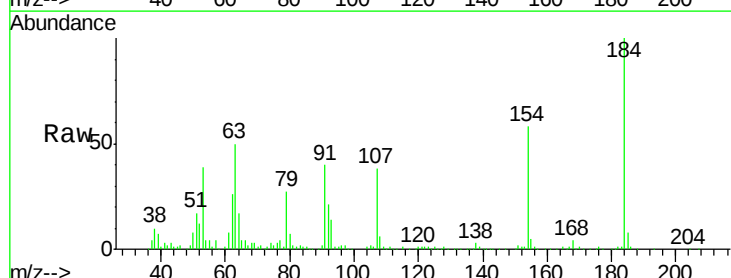
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

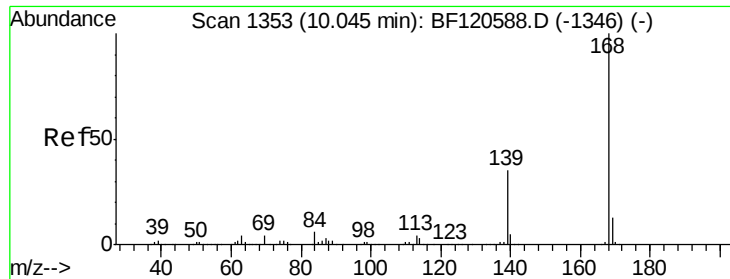
Tot Ion:138 Resp: 107536
Ion Ratio Lower Upper
138 100
108 11.2 8.0 12.0
92 102.3 86.0 129.0



#54
2,4-Dinitrophenol
Concen: 75.191 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:184 Resp: 172530
Ion Ratio Lower Upper
184 100
63 50.0 44.2 66.2
154 58.0 45.9 68.9

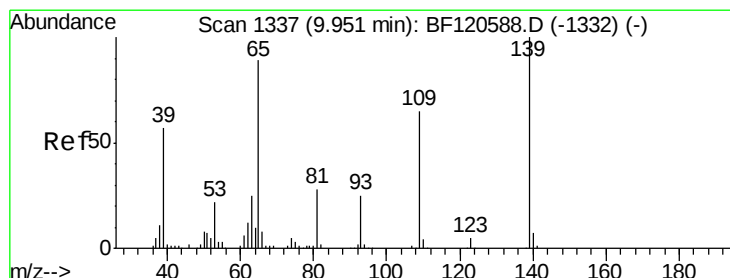
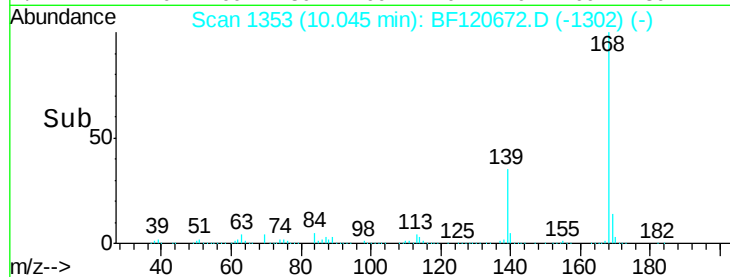
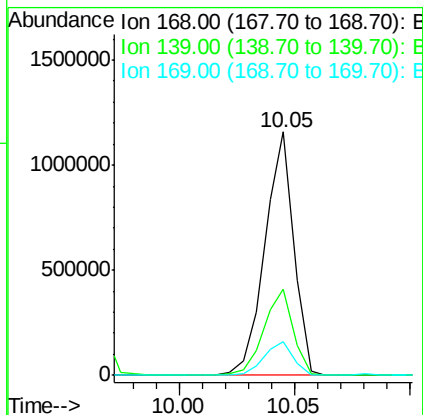
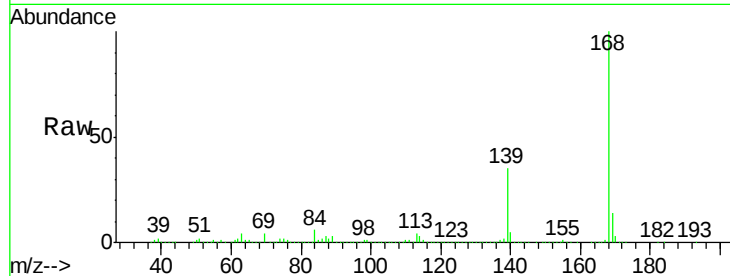




#55
Dibenzofuran
Concen: 48.784 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

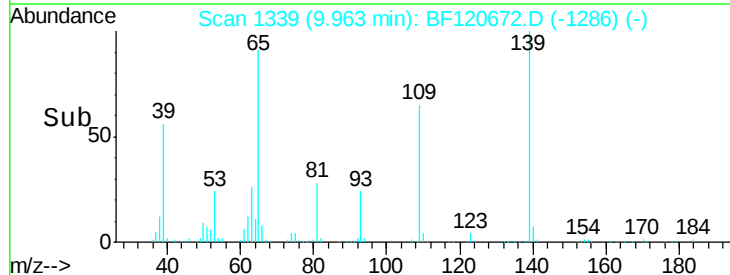
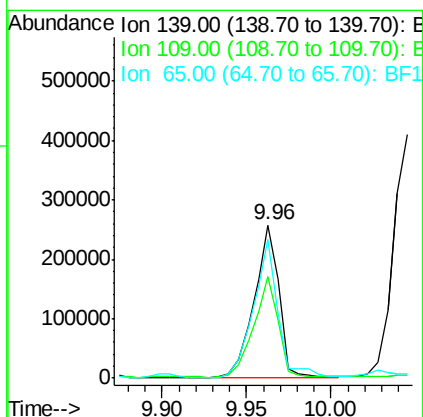
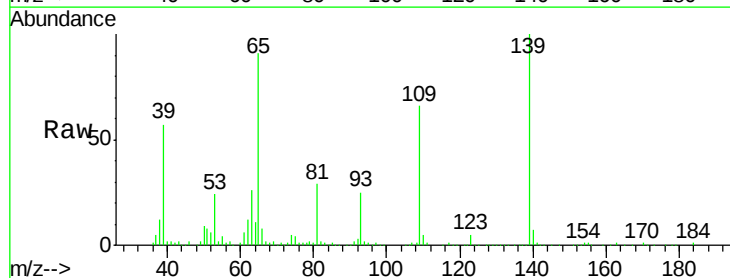
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

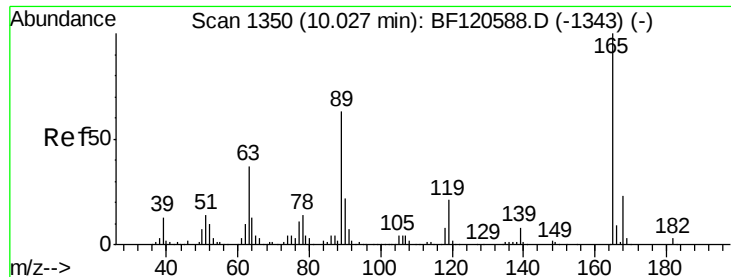
Tot Ion:168 Resp: 1010021
Ion Ratio Lower Upper
168 100
139 35.4 28.1 42.1
169 13.6 10.6 16.0



#56
4-Nitrophenol
Concen: 74.286 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:139 Resp: 263509
Ion Ratio Lower Upper
139 100
109 66.2 44.6 84.6
65 90.6 69.2 109.2





#57

2,4-Dinitrotoluene

Concen: 44.284 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:165 Resp: 230427

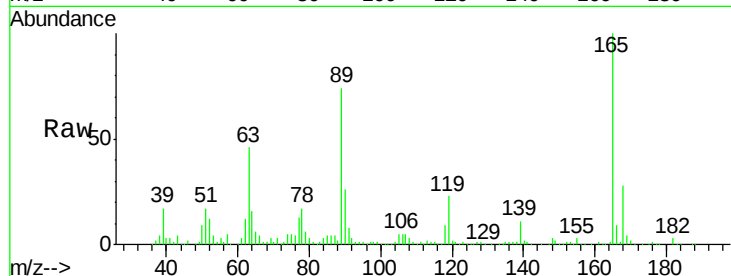
Ion Ratio Lower Upper

165 100

63 45.7 29.8 44.8#

89 73.5 50.4 75.6

182 2.8 2.1 3.1

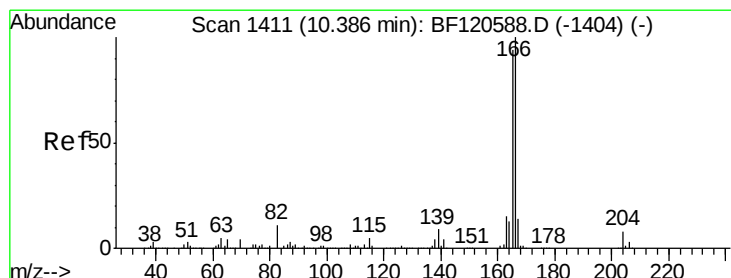
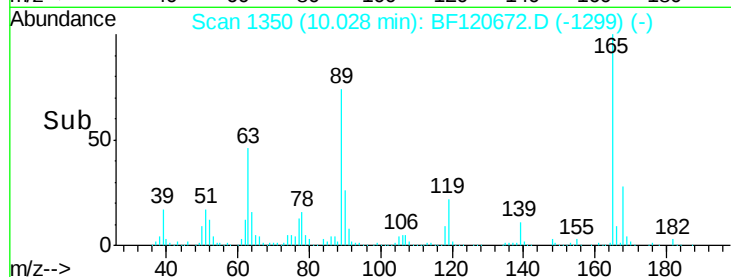
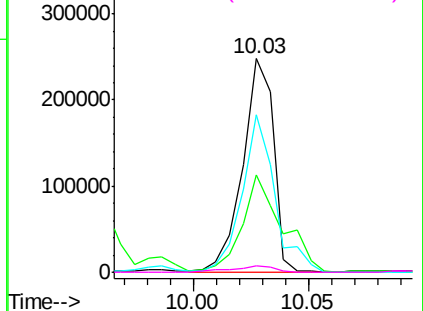


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 43.883 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

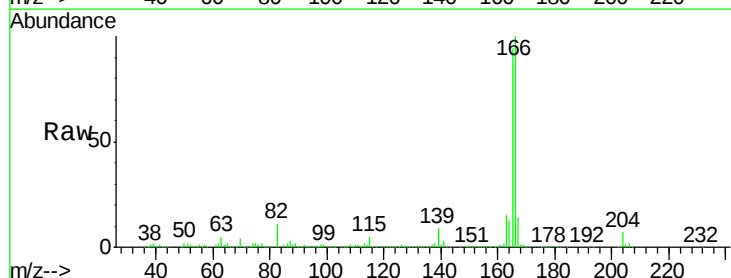
Tgt Ion:166 Resp: 700398

Ion Ratio Lower Upper

166 100

165 93.5 75.0 112.6

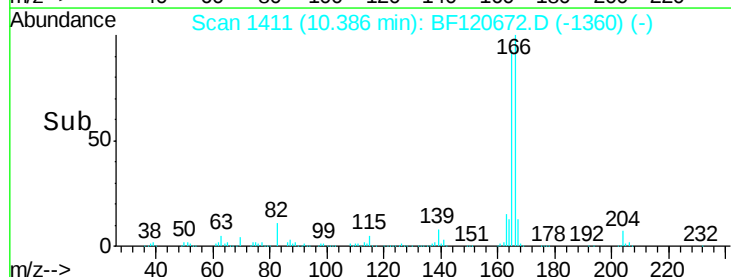
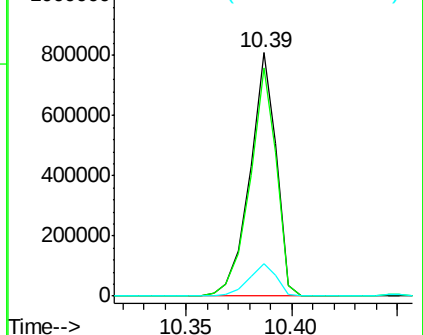
167 13.5 11.0 16.4

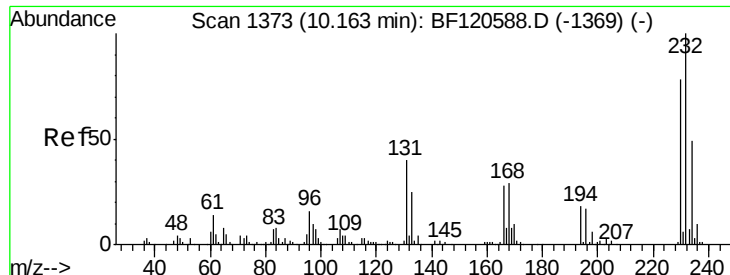


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

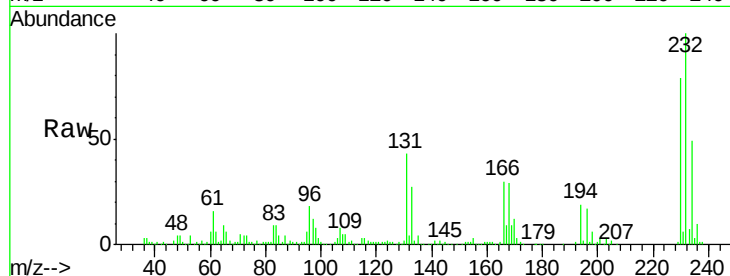




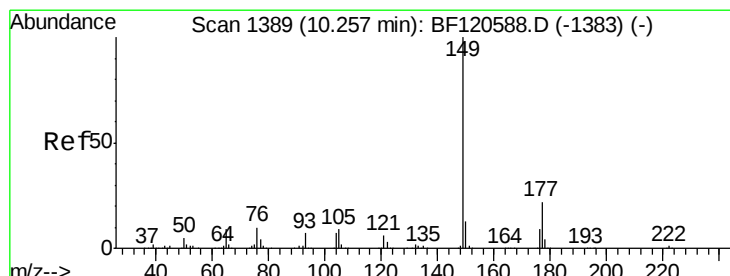
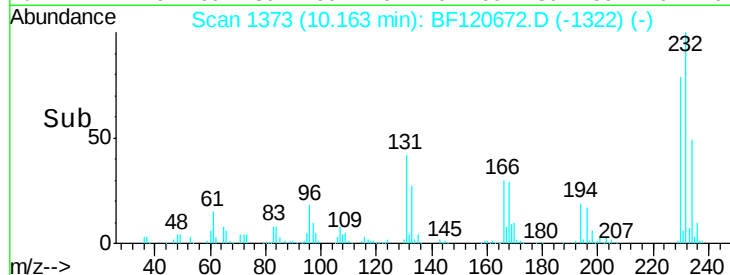
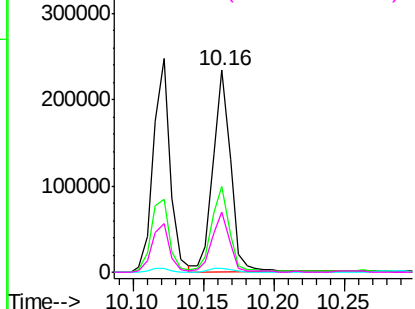
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.061 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion:	232	Resp:	204667
Ion	Ratio	Lower	Upper
232	100		
131	41.8	33.5	50.3
130	2.8	1.5	2.3
166	29.0	23.4	35.0

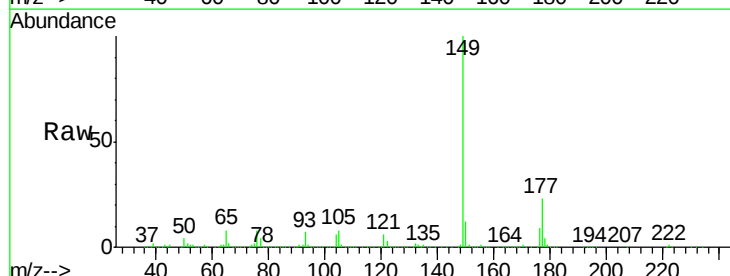


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

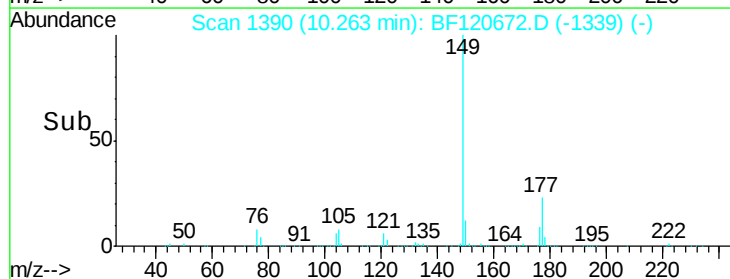
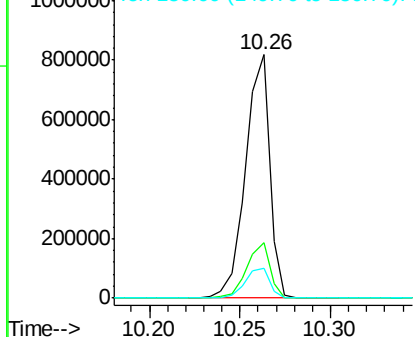


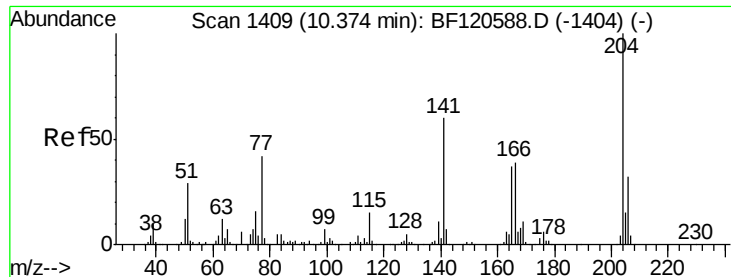
#60
 Diethylphthalate
 Concen: 44.369 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Tgt Ion:	149	Resp:	756105
Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.3	25.9
150	12.4	10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

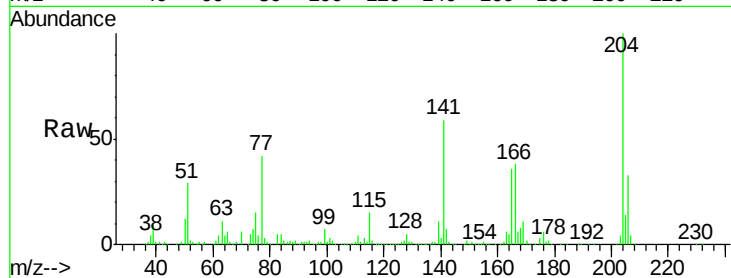




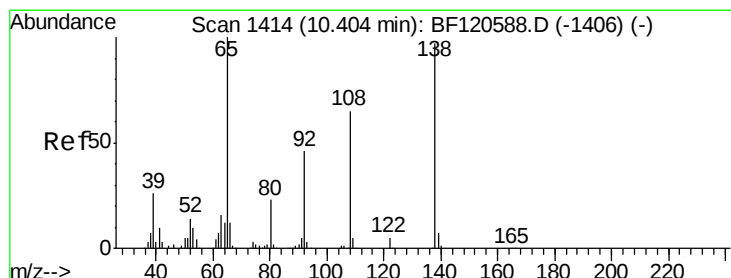
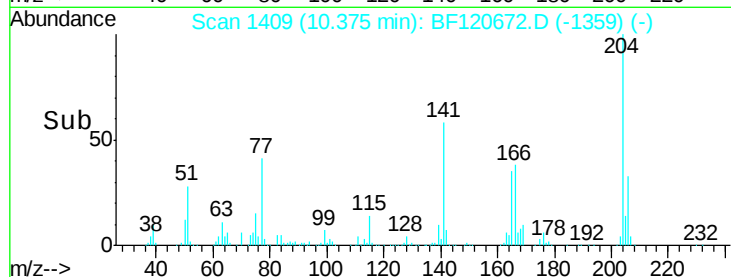
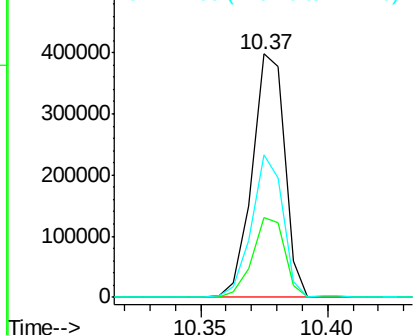
#61
4-Chlorophenyl-phenylether
Concen: 43.357 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:204 Resp: 357356
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 58.7 47.6 71.4

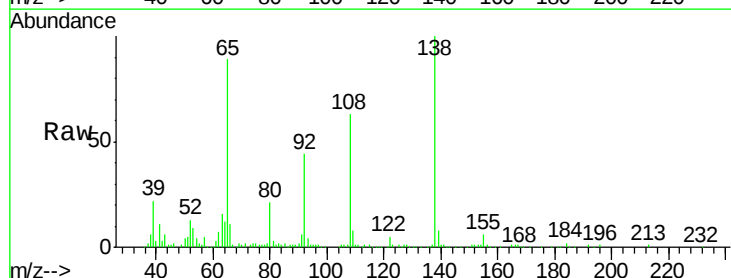


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

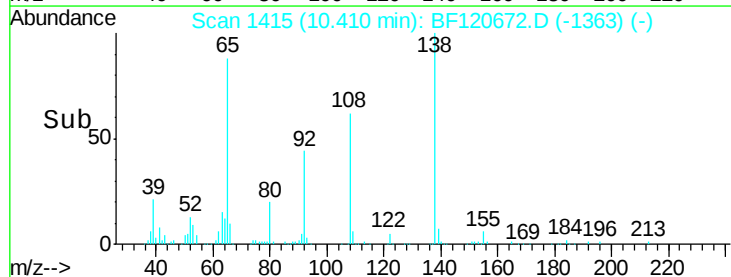
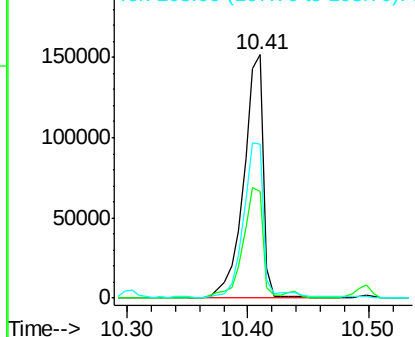


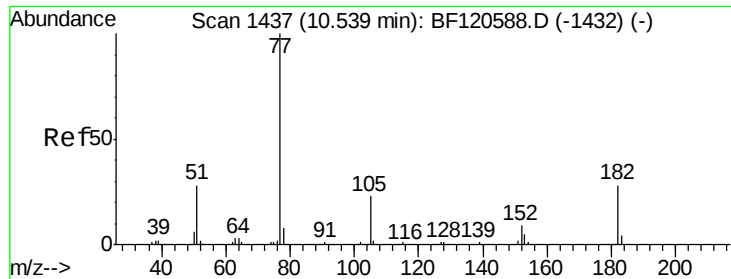
#62
4-Nitroaniline
Concen: 36.685 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:138 Resp: 171529
Ion Ratio Lower Upper
138 100
92 43.9 27.3 67.3
108 63.3 47.4 87.4



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 41.646 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 77 Resp: 644229

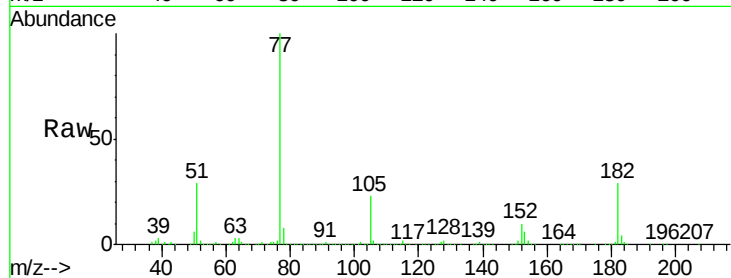
Ion Ratio Lower Upper

77 100

182 28.9 7.7 47.7

105 23.4 3.2 43.2

51 28.9 8.5 48.5

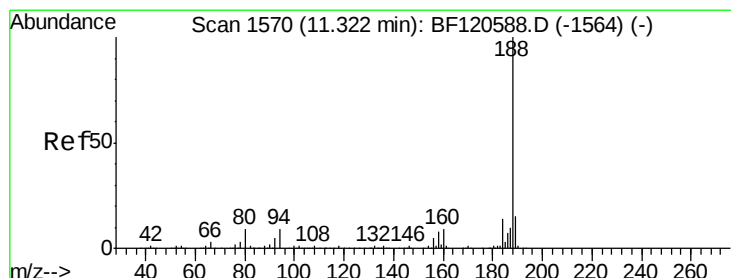
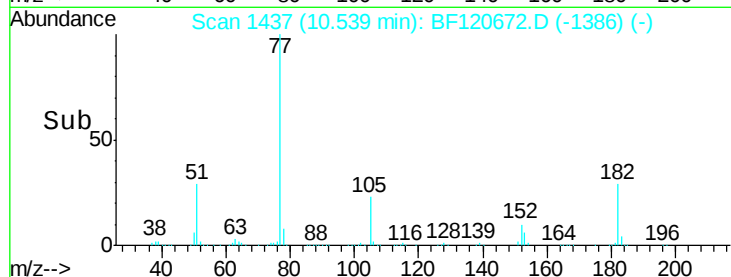
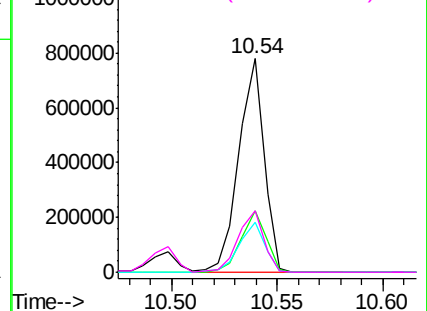


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

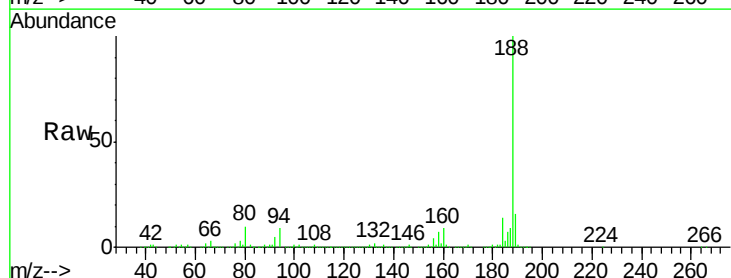
Tgt Ion: 188 Resp: 558303

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

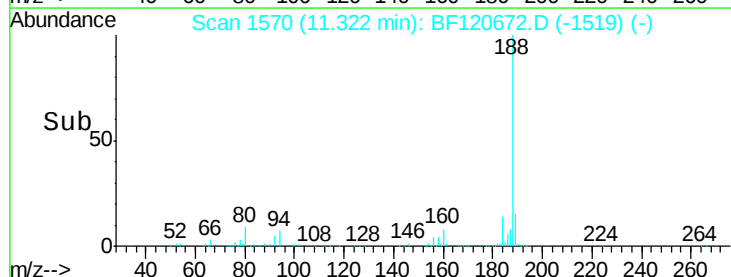
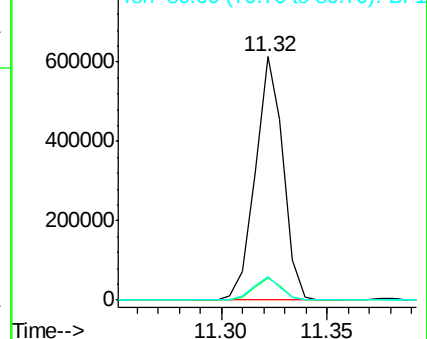
80 9.7 7.4 11.2

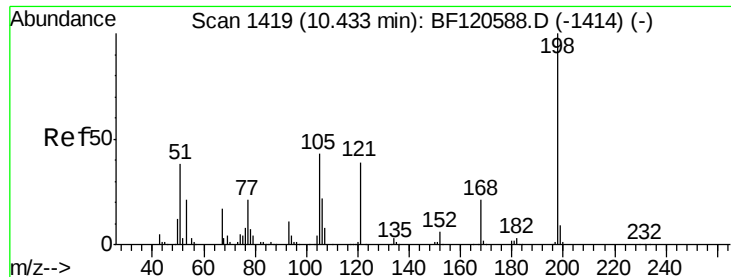


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 38.351 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

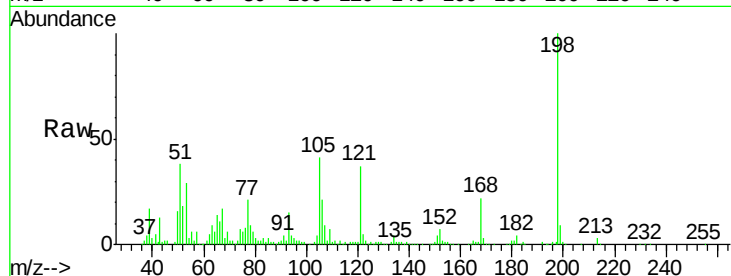
Tot Ion:198 Resp: 128478

Ion Ratio Lower Upper

198 100

51 38.2 24.8 64.8

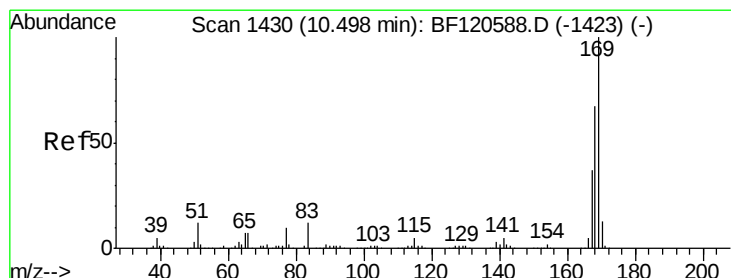
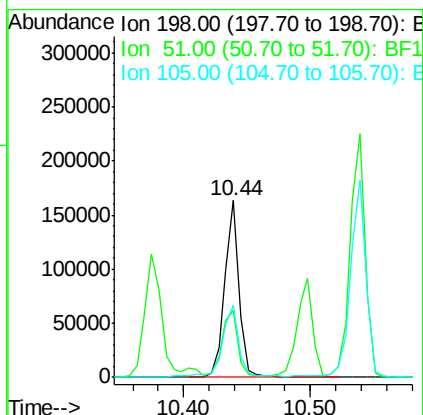
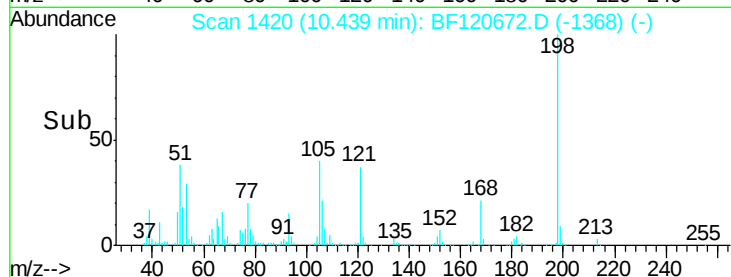
105 41.0 23.9 63.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.811 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

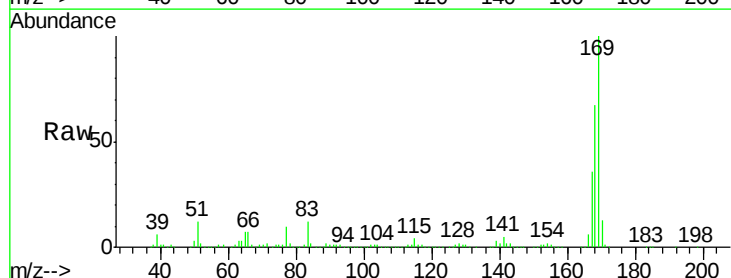
Tgt Ion:169 Resp: 648274

Ion Ratio Lower Upper

169 100

168 67.2 53.7 80.5

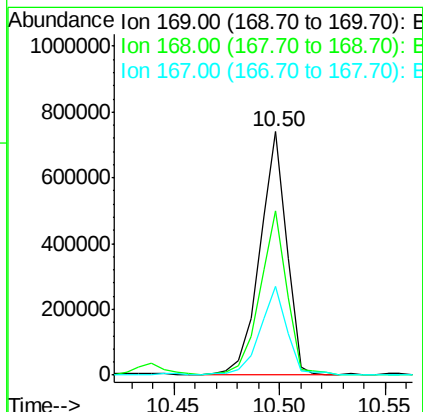
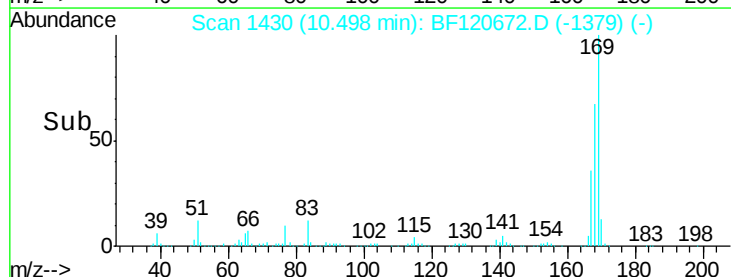
167 36.2 29.9 44.9

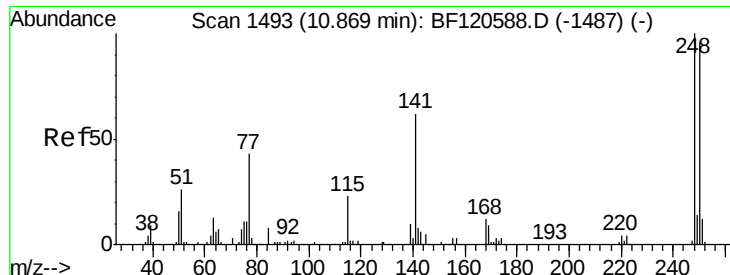


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

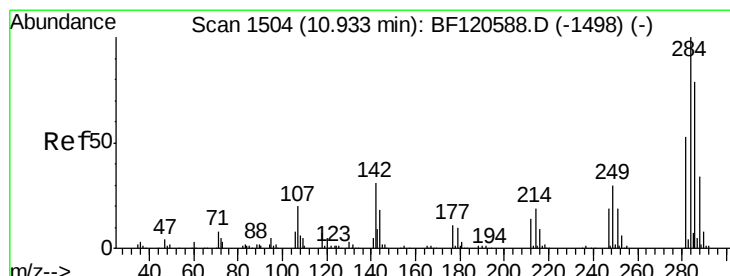
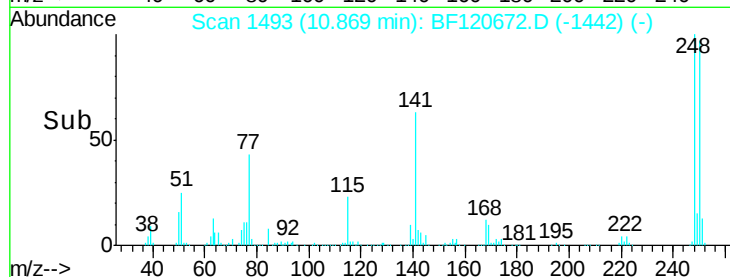
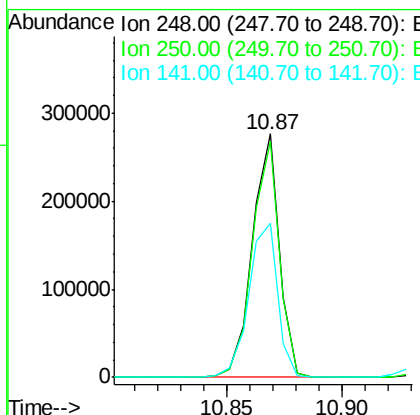
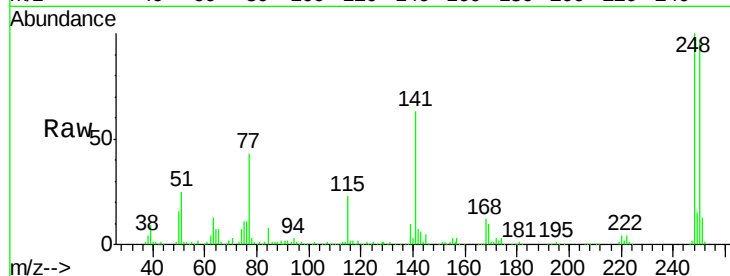




#67
4-Bromophenyl-phenylether
Concen: 35.631 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

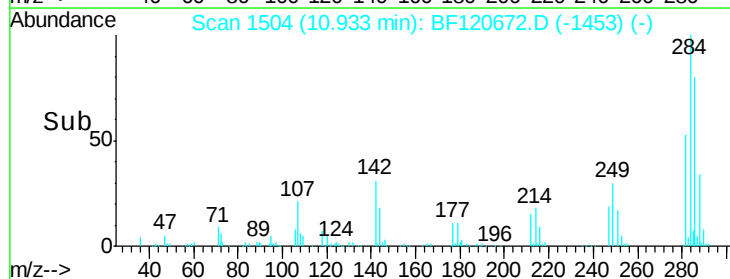
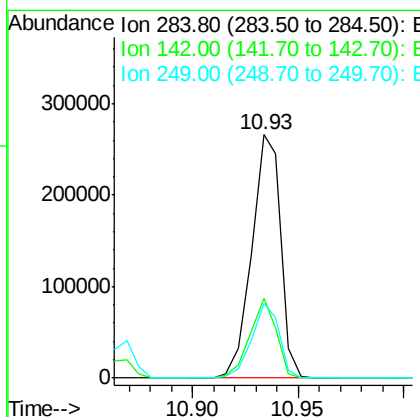
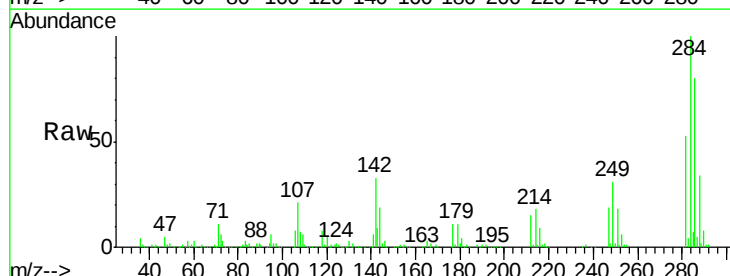
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

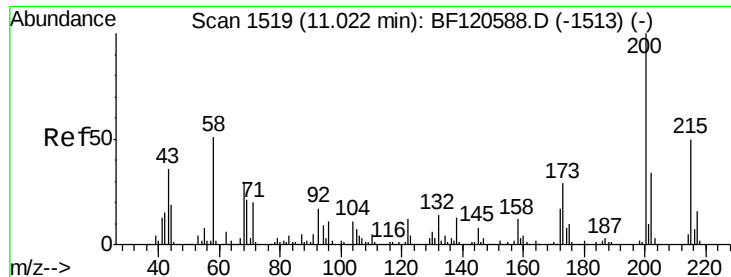
Tot Ion:248 Resp: 225769
Ion Ratio Lower Upper
248 100
250 97.0 76.7 115.1
141 63.1 49.4 74.0



#68
Hexachlorobenzene
Concen: 37.292 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:284 Resp: 254053
Ion Ratio Lower Upper
284 100
142 32.9 25.1 37.7
249 30.5 24.0 36.0

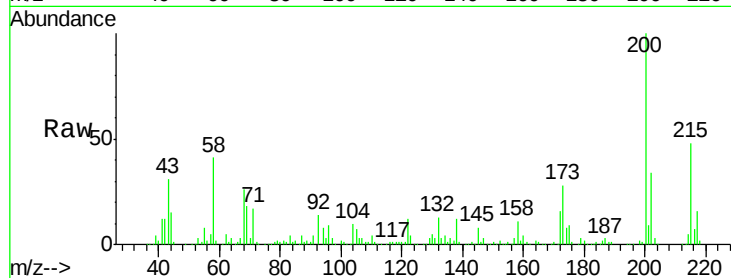




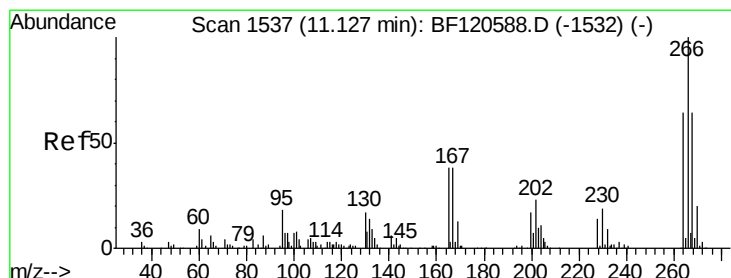
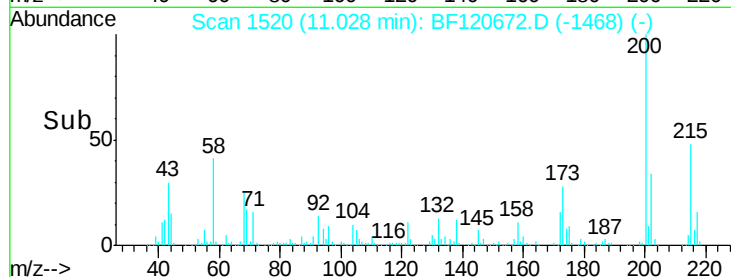
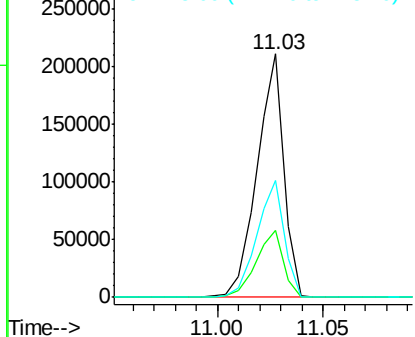
#69
 Atrazine
 Concen: 35.076 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. 0.01 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion:200 Resp: 186095
 Ion Ratio Lower Upper
 200 100
 173 27.7 9.1 49.1
 215 47.9 29.8 69.8

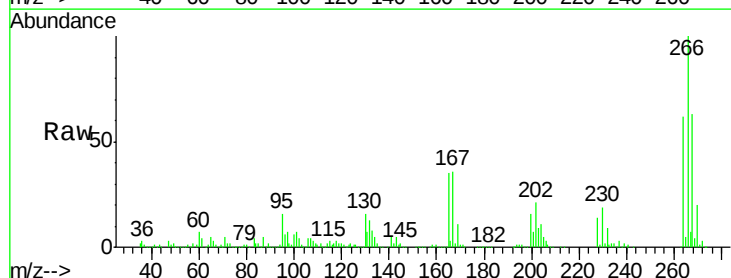


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

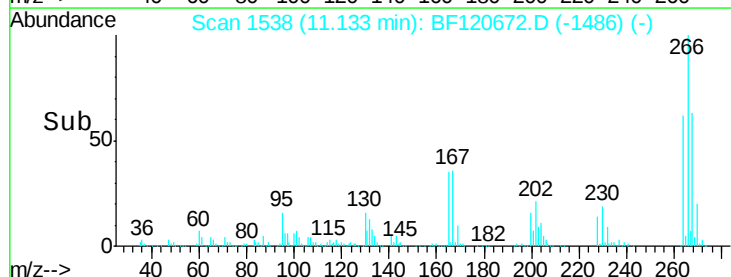
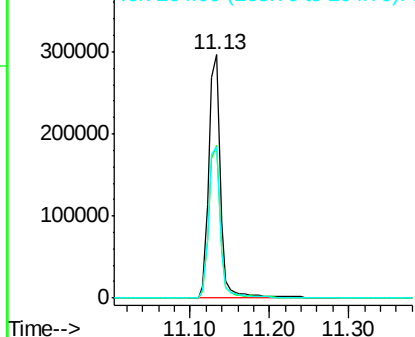


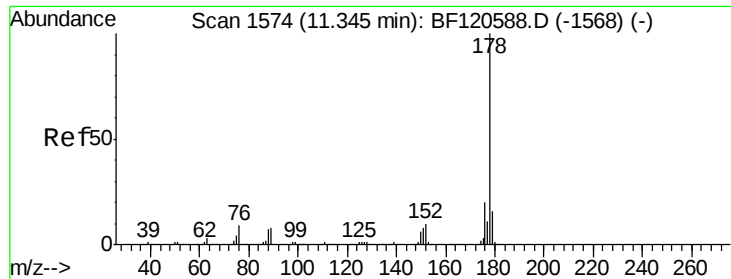
#70
 Pentachlorophenol
 Concen: 81.122 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Tgt Ion:266 Resp: 307250
 Ion Ratio Lower Upper
 266 100
 268 63.0 51.4 77.0
 264 62.4 50.8 76.2



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

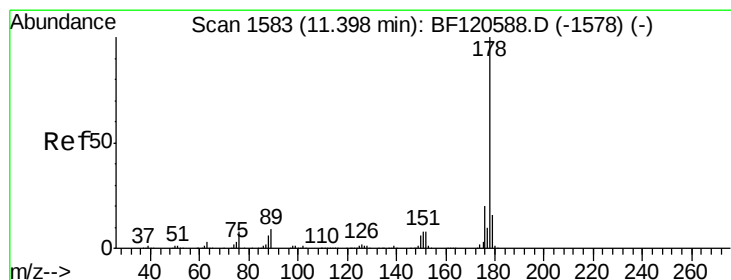
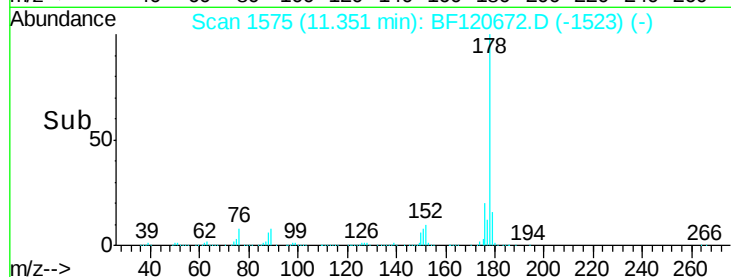
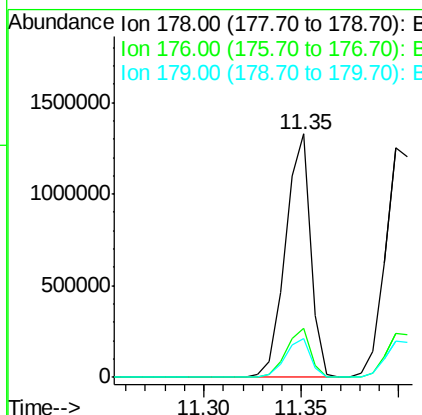
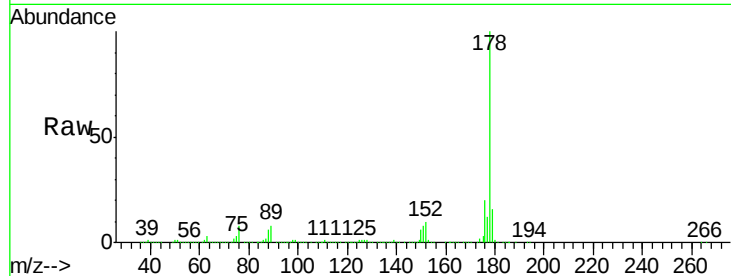




#71
Phenanthrene
Concen: 42.590 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

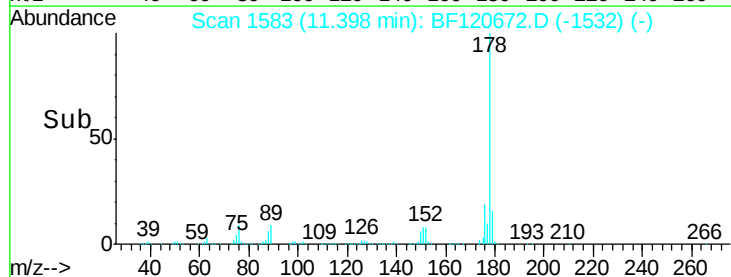
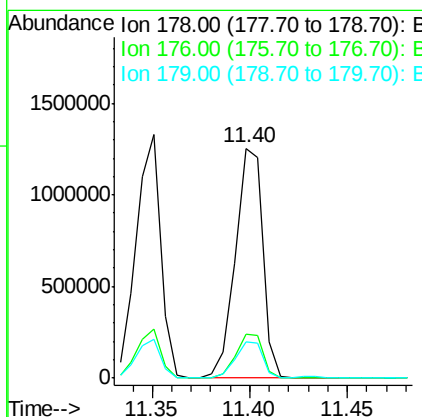
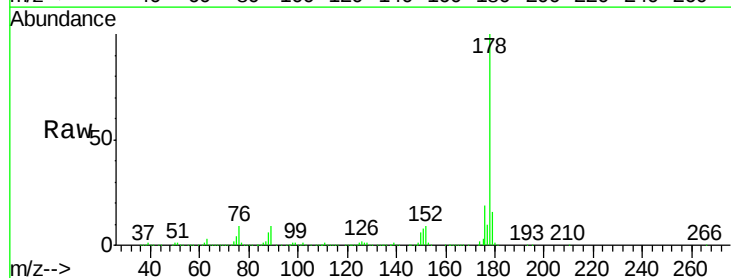
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

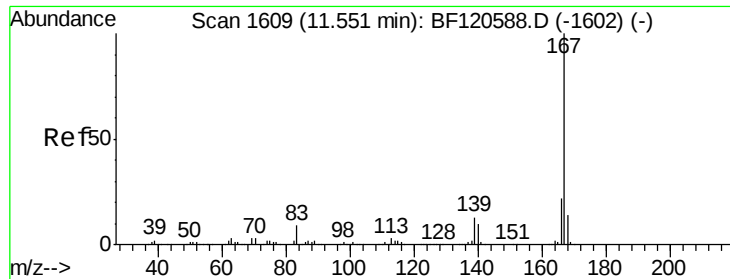
Tot Ion:178 Resp: 1181995
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 16.0 12.8 19.2



#72
Anthracene
Concen: 43.525 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:178 Resp: 1217590
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.0 12.9 19.3

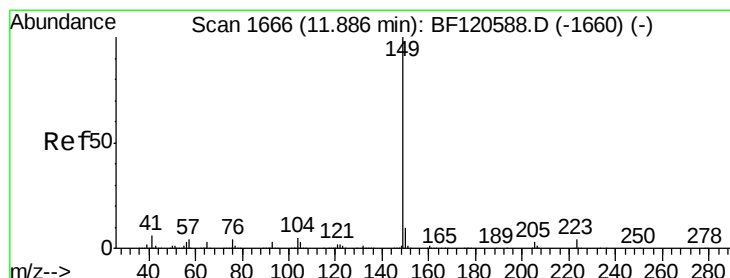
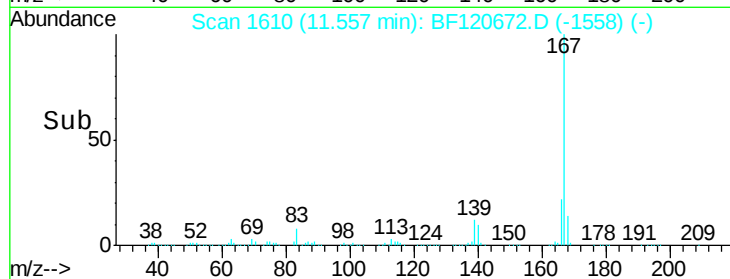
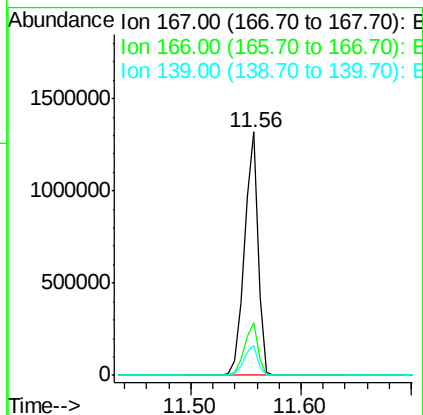
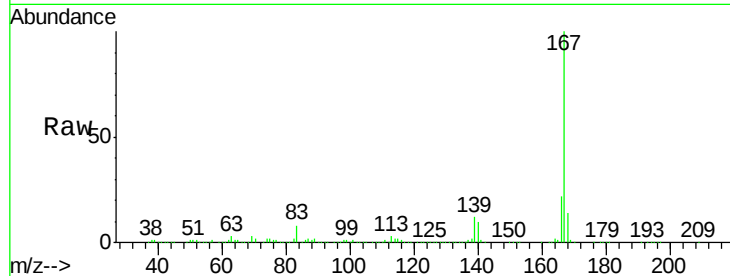




#73
 Carbazole
 Concen: 40.914 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

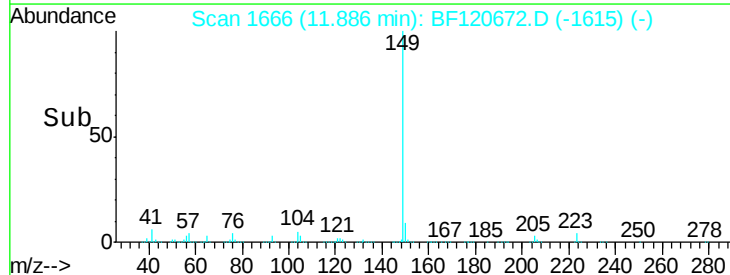
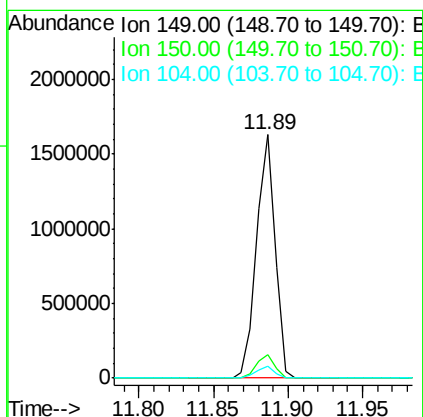
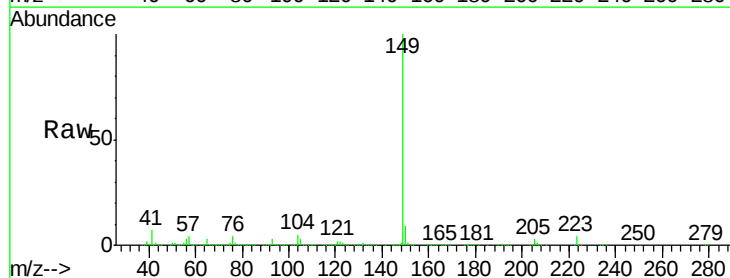
Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)MSD

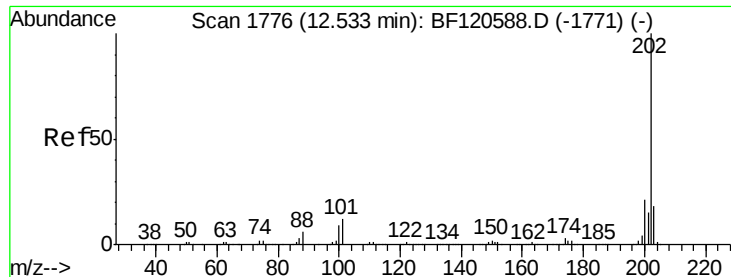
Tot Ion:167 Resp: 1132993
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 12.5 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 44.617 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Tgt Ion:149 Resp: 1389043
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.7 11.5
 104 4.7 3.7 5.5





#75

Fluoranthene

Concen: 41.326 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

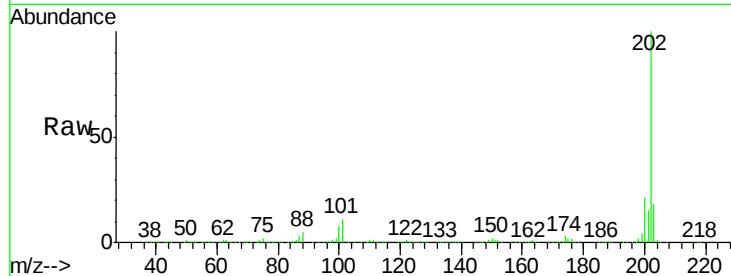
Tot Ion:202 Resp: 1311328

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.0

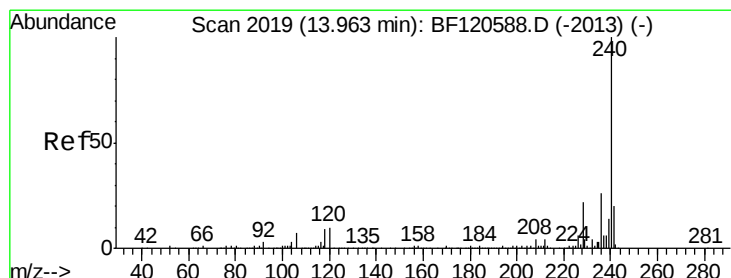
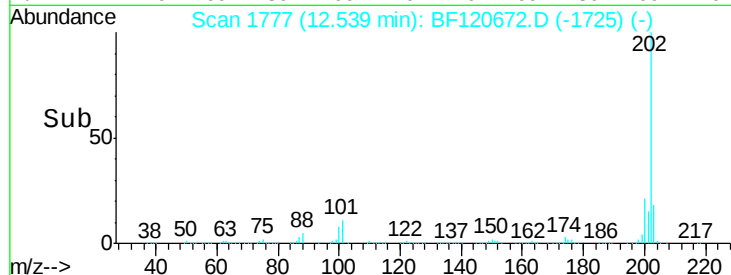
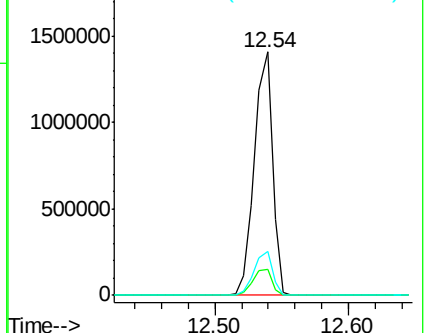
203 18.0 0.0 38.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

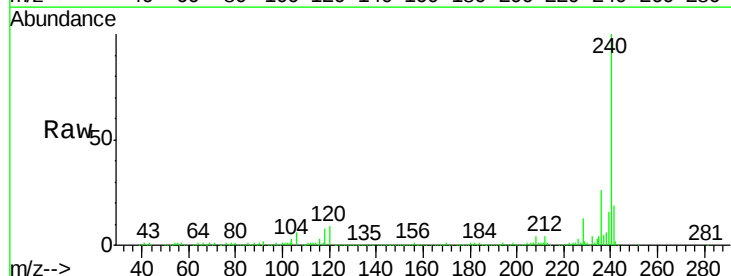
Tgt Ion:240 Resp: 400144

Ion Ratio Lower Upper

240 100

120 9.0 8.3 12.5

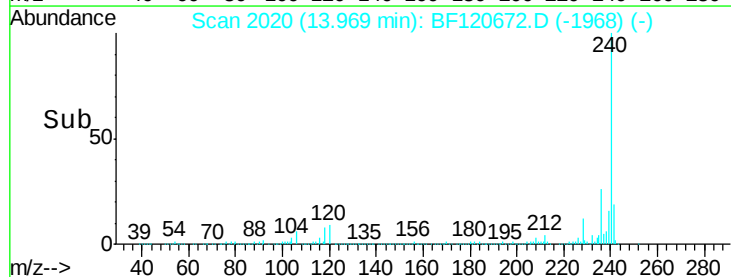
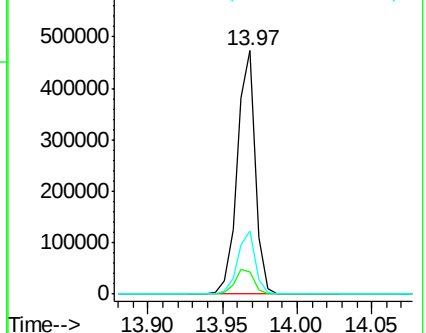
236 26.1 21.0 31.4

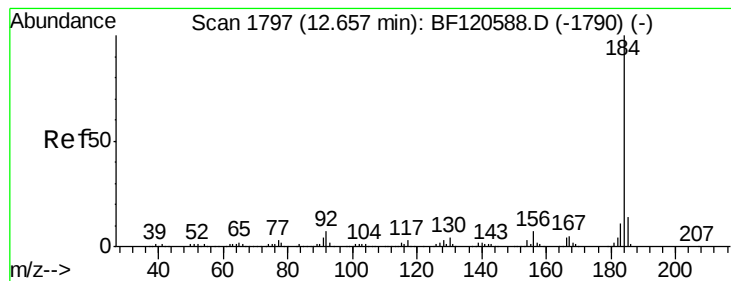


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.039 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

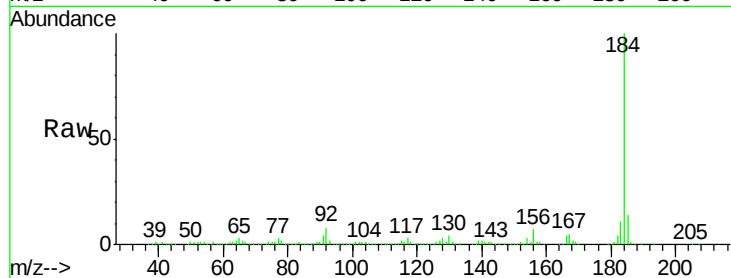
Tot Ion:184 Resp: 528298

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.0

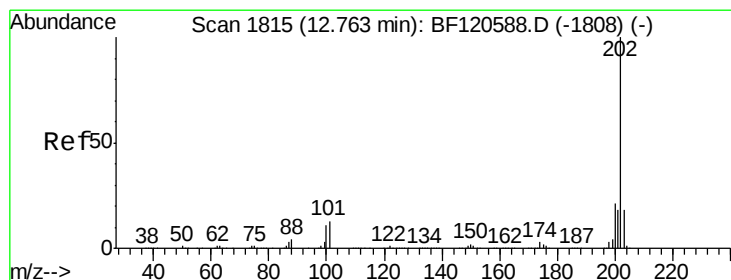
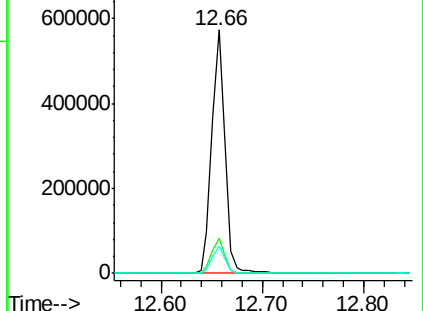
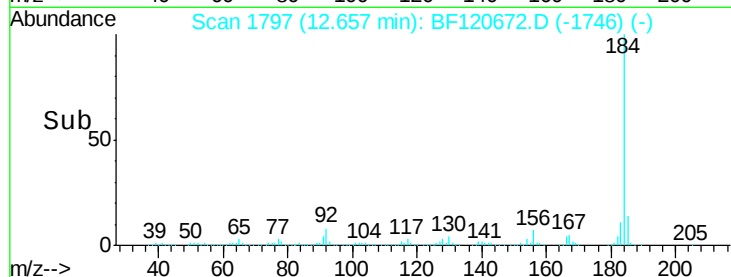
183 11.2 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.410 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

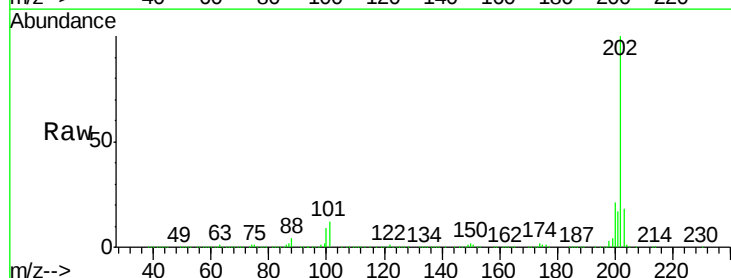
Tgt Ion:202 Resp: 1315576

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

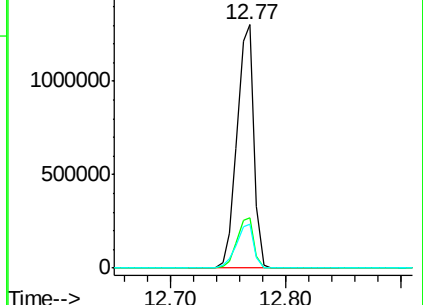
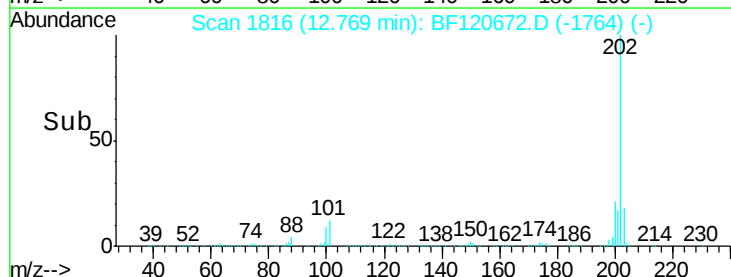
203 17.9 14.3 21.5

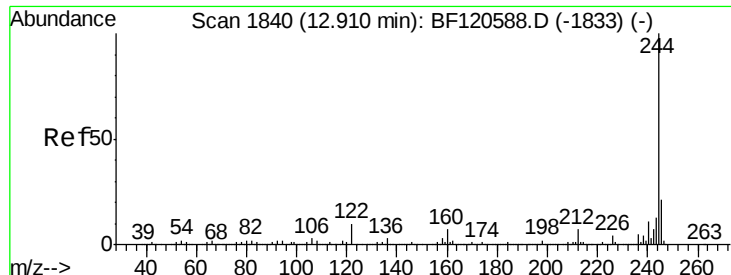


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.490 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

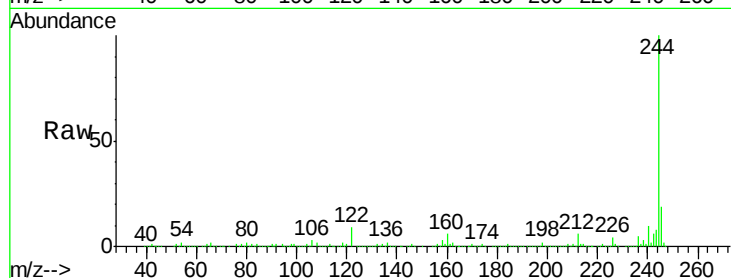
Tot Ion:244 Resp: 1077670

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

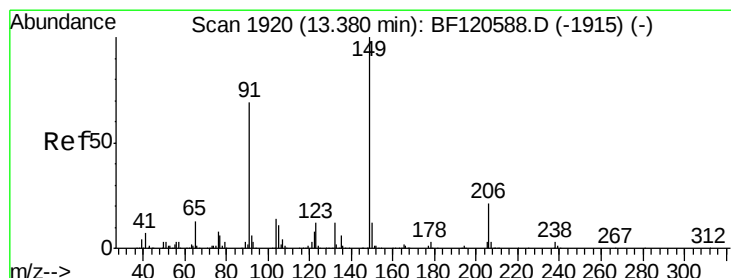
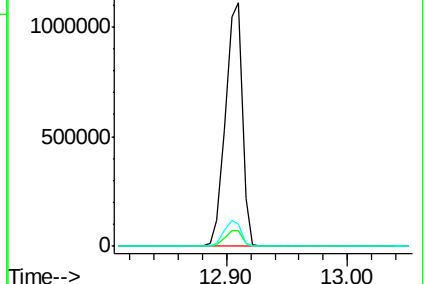
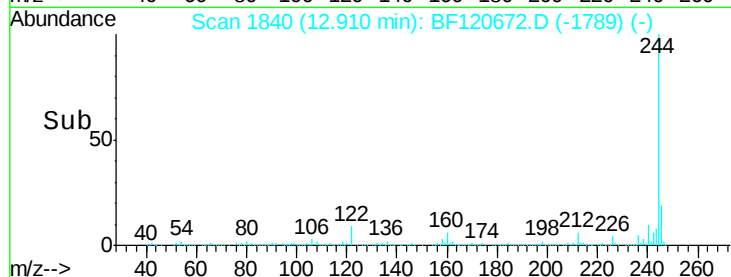
122 9.3 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.515 ng

RT: 13.39 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

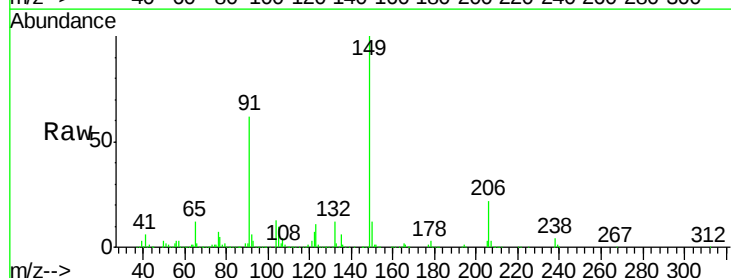
Tgt Ion:149 Resp: 547728

Ion Ratio Lower Upper

149 100

91 62.1 55.4 83.0

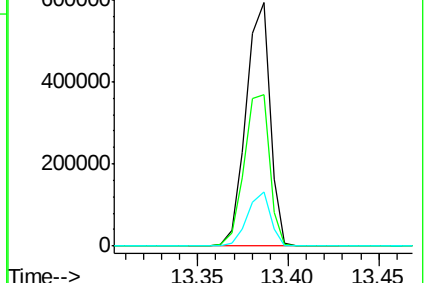
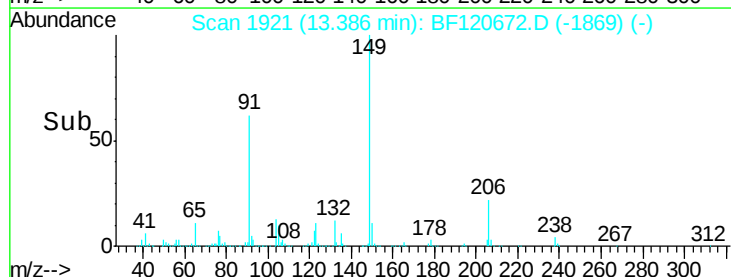
206 22.4 17.0 25.4

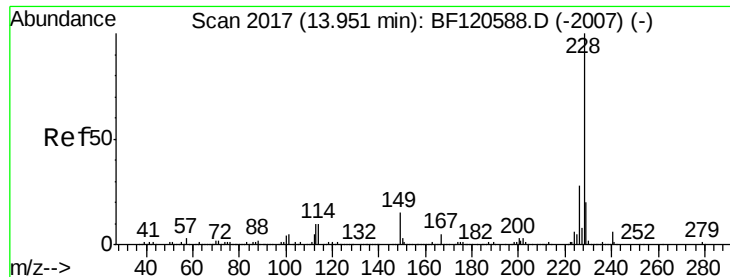


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.189 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

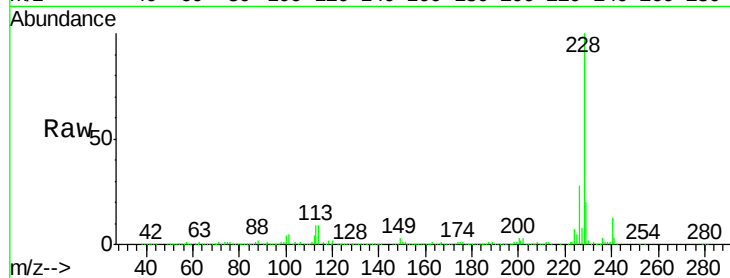
Tot Ion:228 Resp: 1038283

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	20.1	16.1	24.1

228 100

226 28.3 22.5 33.7

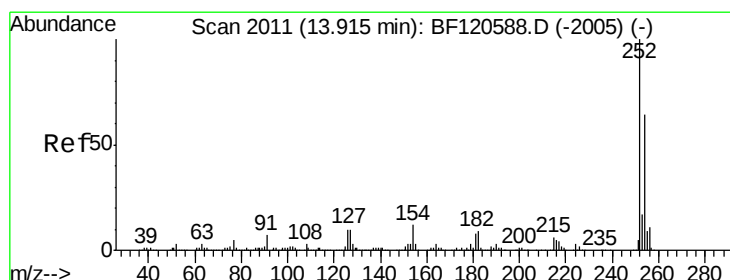
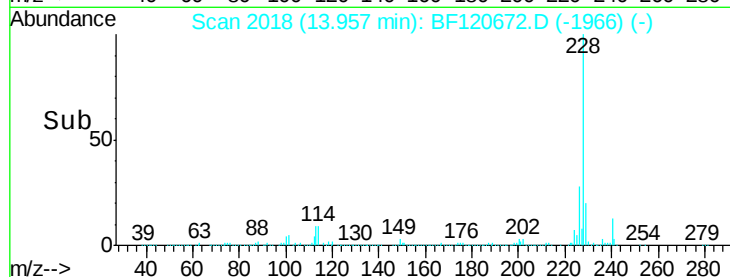
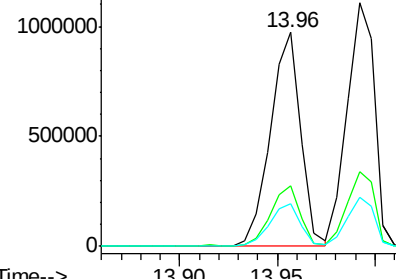
229 20.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

1500000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 35.626 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

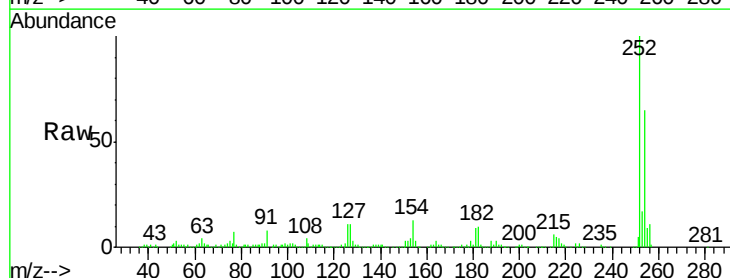
Tgt Ion:252 Resp: 327137

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.4	77.2
126	11.4	7.9	11.9

252 100

254 65.2 51.4 77.2

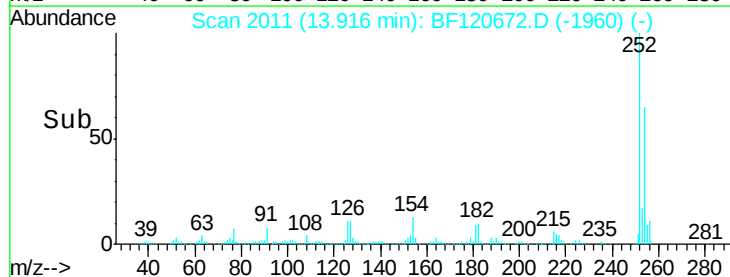
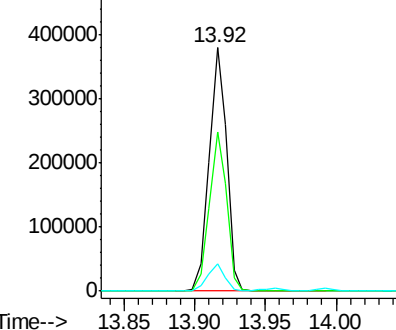
126 11.4 7.9 11.9

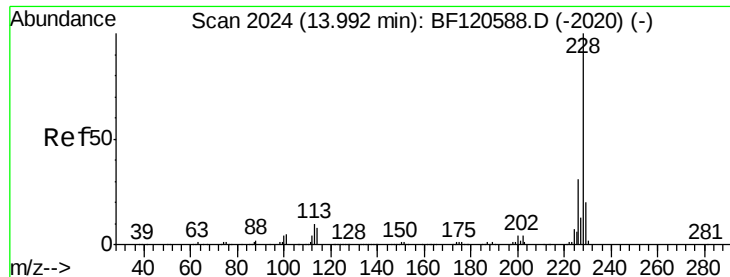


Abundance Ion 252.00 (251.70 to 252.70): E

500000 Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 43.654 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

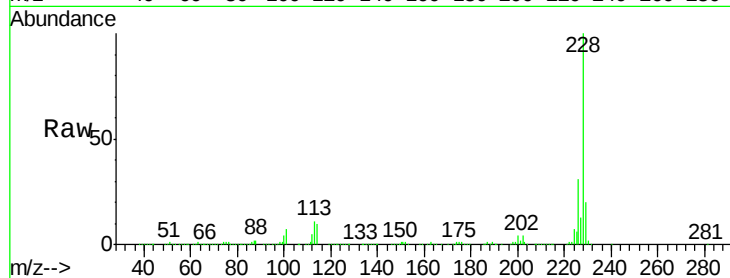
Tot Ion:228 Resp: 1076473

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

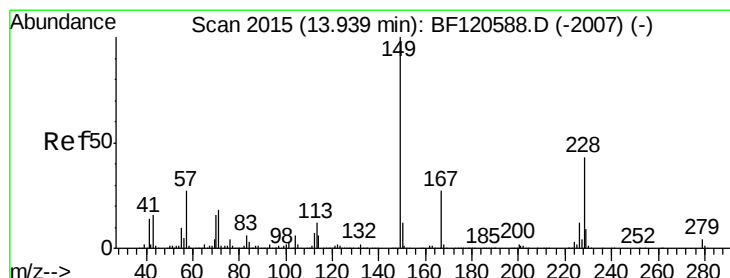
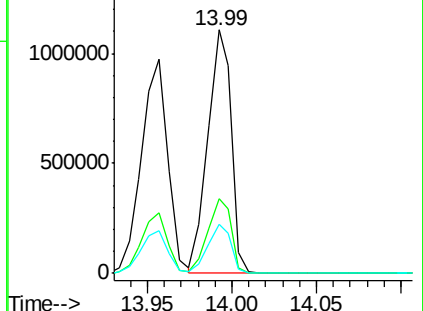
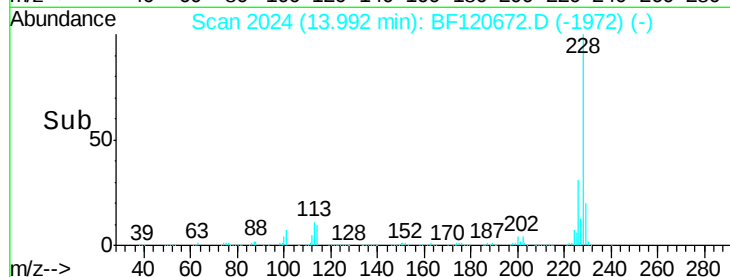
229 20.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.016 ng

RT: 13.95 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

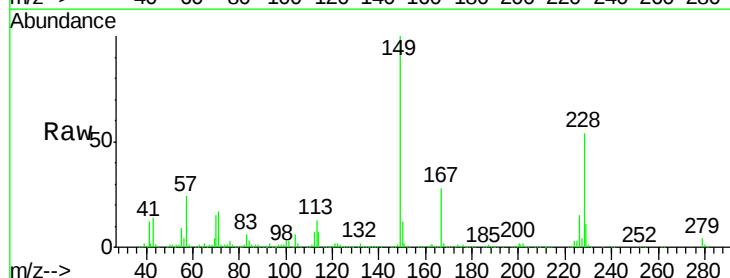
Tgt Ion:149 Resp: 737600

Ion Ratio Lower Upper

149 100

167 28.1 22.0 33.0

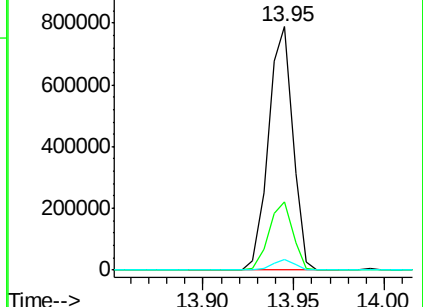
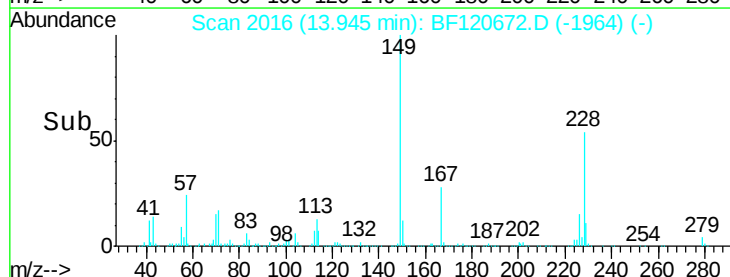
279 4.4 3.0 4.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.162 ng

RT: 14.56 min Scan# 2120

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

Instrument :

BNA_F

ClientSampleId :

MW-27(16.5-18.5)MSD

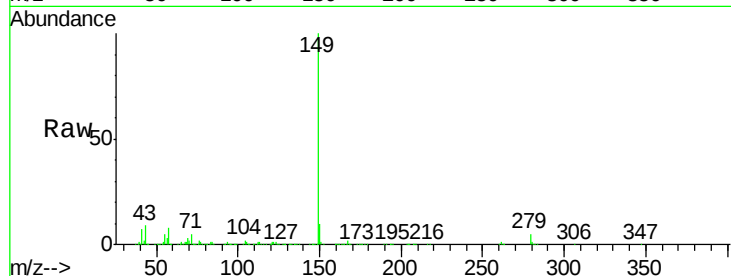
Tot Ion:149 Resp: 1353340

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

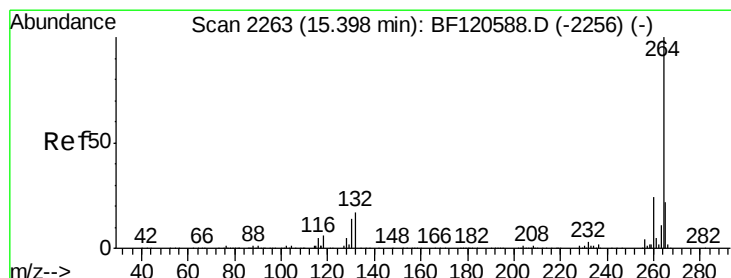
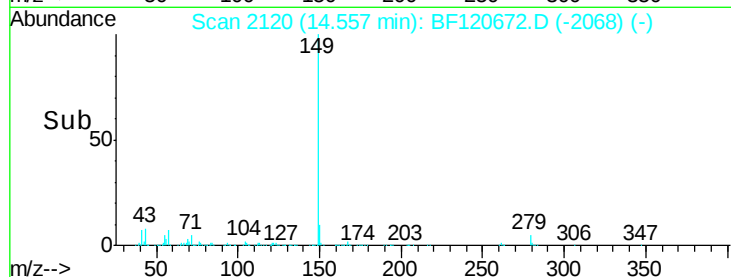
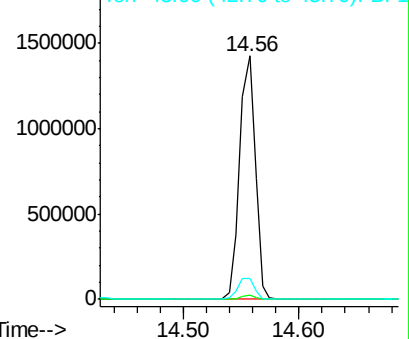
43 9.1 7.6 11.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120672.D

Acq: 19 Jun 2020 19:17

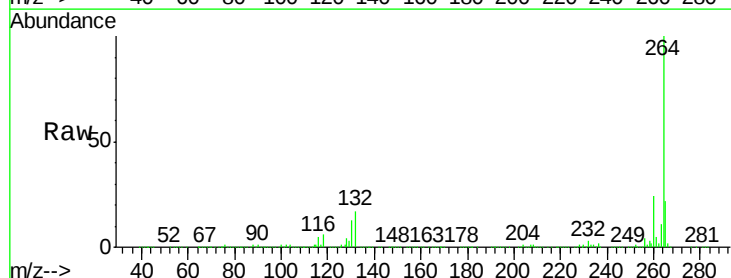
Tgt Ion:264 Resp: 503211

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

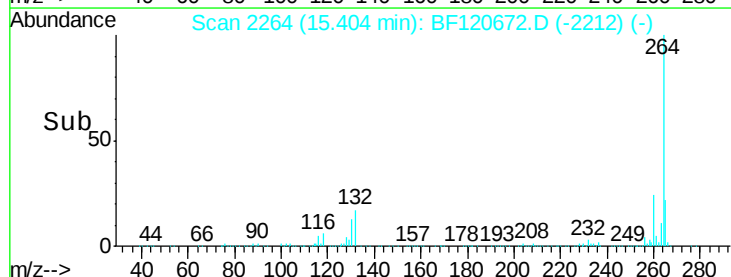
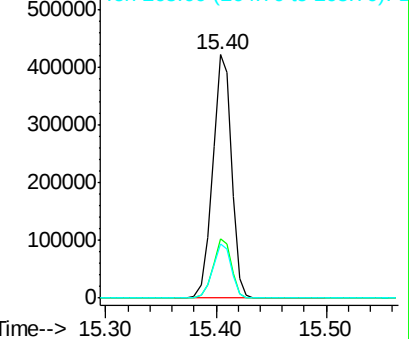
265 22.0 17.8 26.8

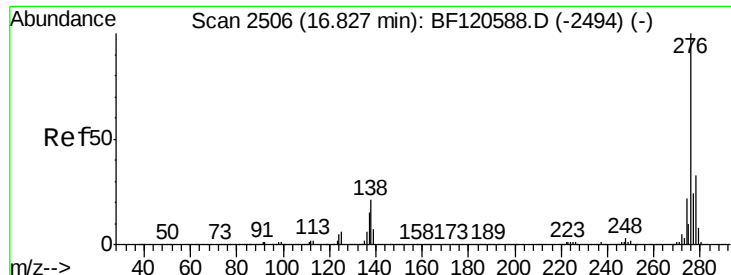


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

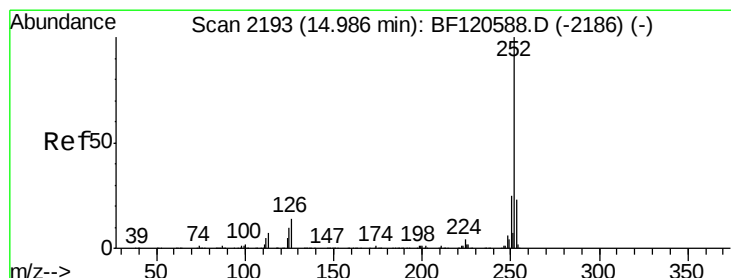
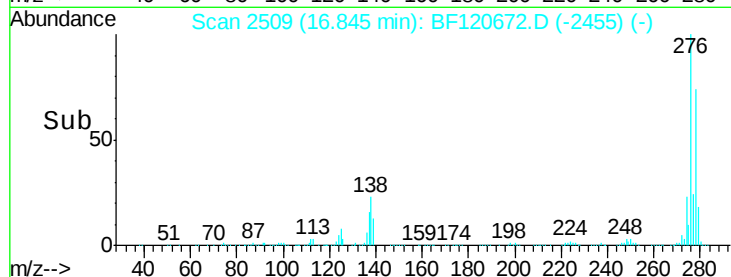
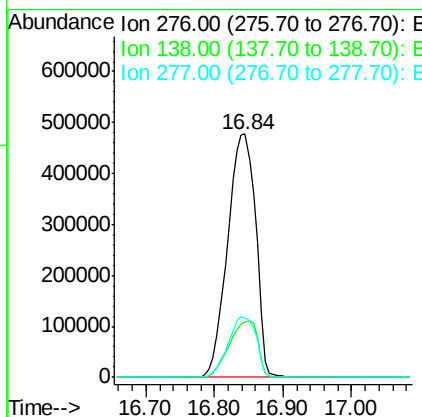
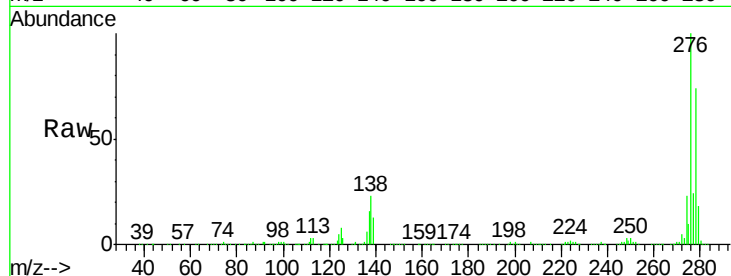




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 44.215 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. 0.02 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

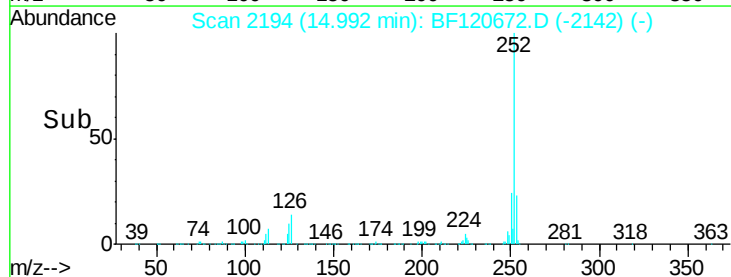
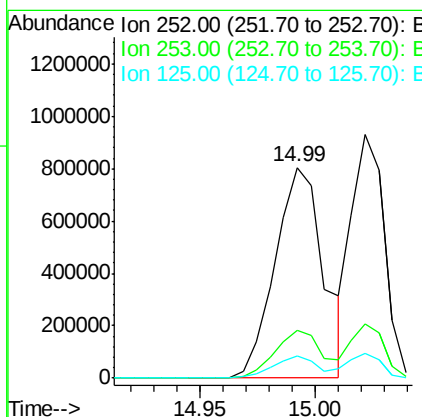
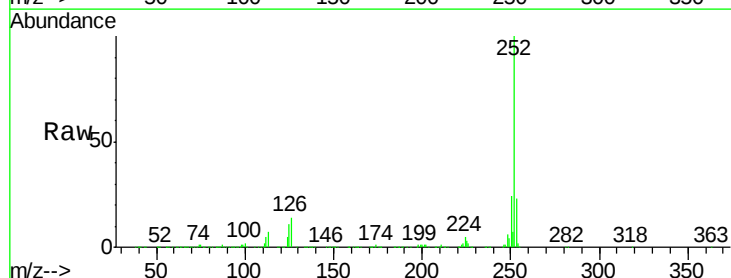
Instrument :
 BNA_F
 ClientSampleId :
 MW-27(16.5-18.5)MSD

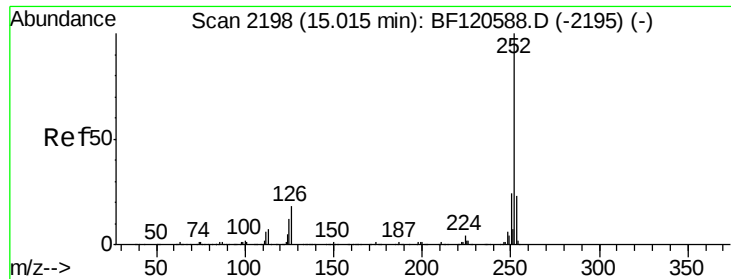
Tot Ion:276 Resp: 1353387
 Ion Ratio Lower Upper
 276 100
 138 23.8 18.9 28.3
 277 25.1 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 39.156 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BF120672.D
 Acq: 19 Jun 2020 19:17

Tgt Ion:252 Resp: 1173702
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.1 27.1
 125 10.5 8.3 12.5

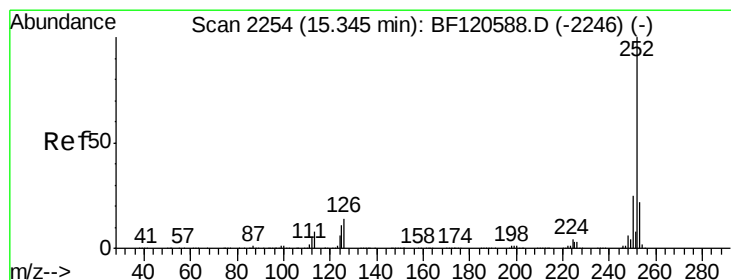
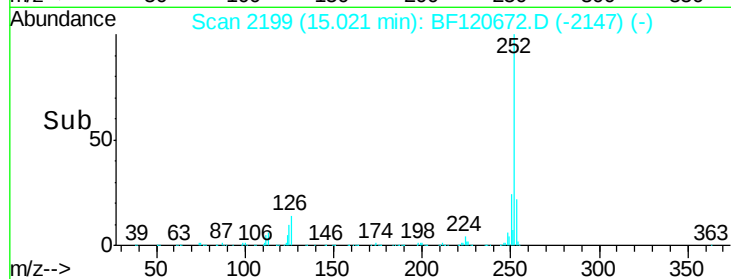
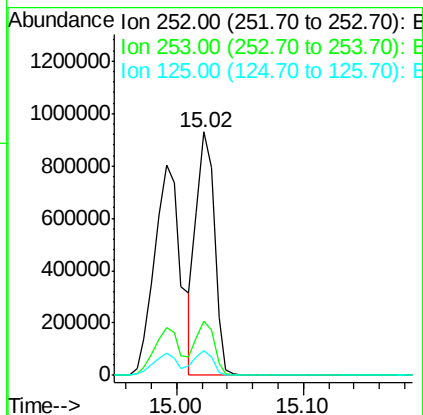
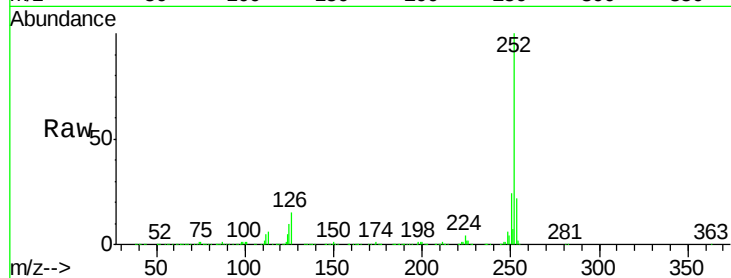




#89
Benzo(k)fluoranthene
Concen: 34.708 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

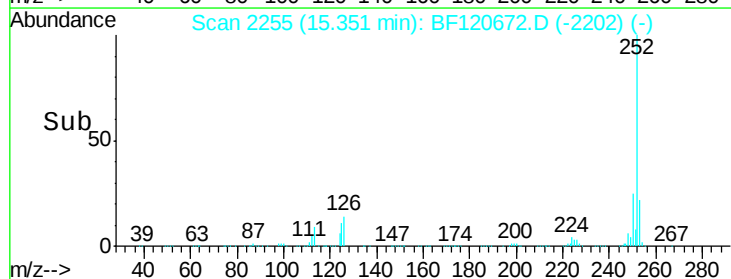
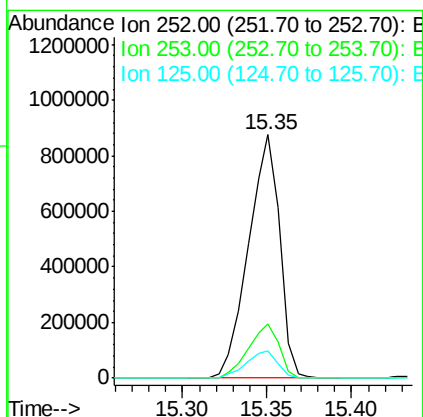
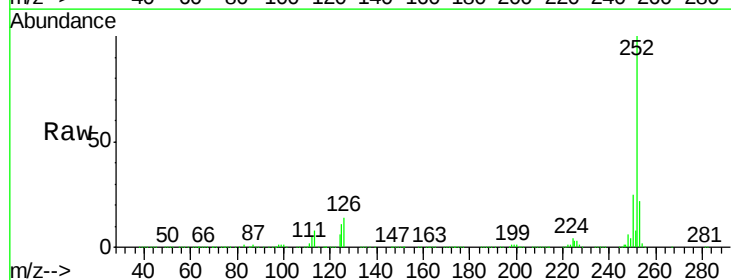
Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

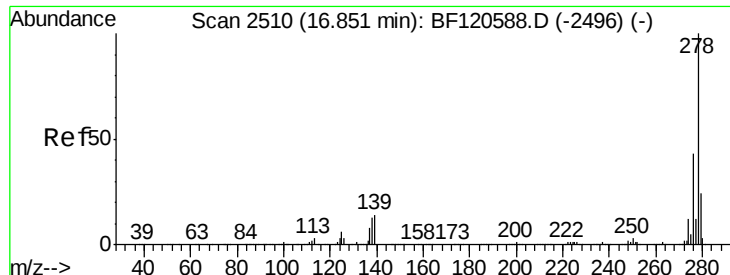
Tot Ion:252 Resp: 920595
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 10.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 41.974 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:252 Resp: 1126014
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 11.0 8.6 12.8

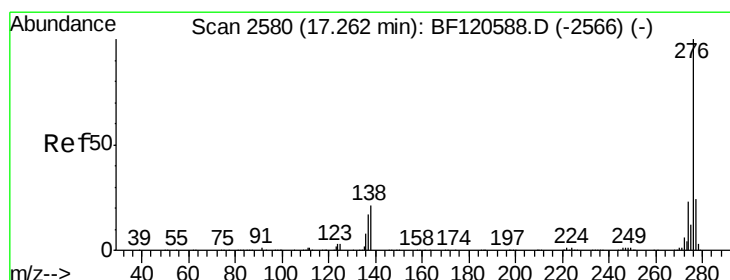
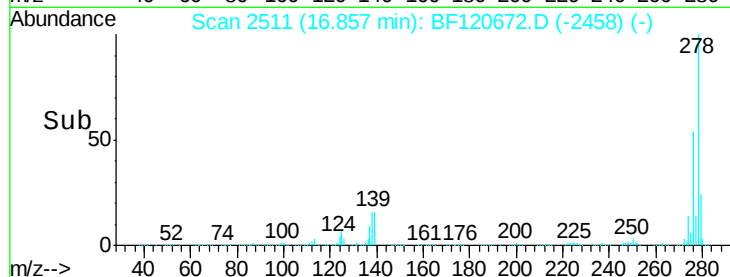
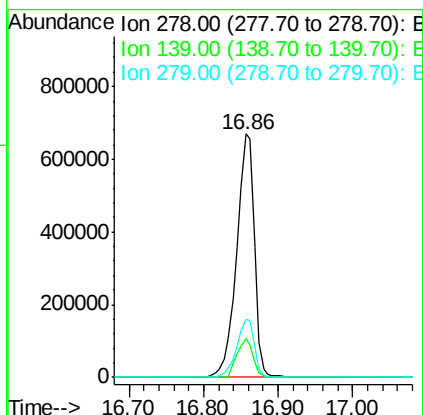
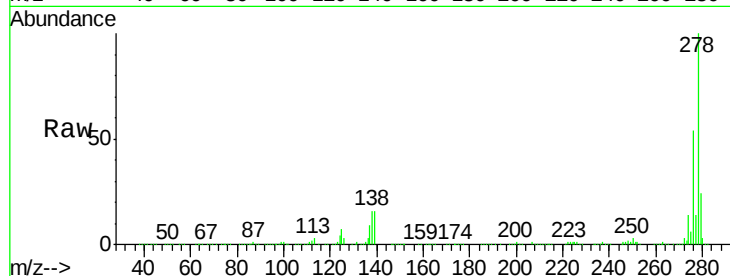




#91
Dibenzo(a,h)anthracene
Concen: 45.054 ng
RT: 16.86 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Instrument :
BNA_F
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:278 Resp: 1105892
Ion Ratio Lower Upper
278 100
139 15.9 11.4 17.2
279 23.7 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 39.880 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.02 min
Lab File: BF120672.D
Acq: 19 Jun 2020 19:17

Tgt Ion:276 Resp: 986679
Ion Ratio Lower Upper
276 100
277 23.2 19.6 29.4
138 21.4 16.5 24.7

