

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042220\
 Data File : BF120156.D
 Acq On : 23 Apr 2020 6:32
 Operator : MA/SJ
 Sample : L2123-14MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

Quant Time: Apr 23 07:09:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	144846	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	557211	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	286533	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	544296	20.00	ng	0.00
76) Chrysene-d12	13.84	240	384668	20.00	ng	0.00
87) Perylene-d12	15.24	264	322853	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1264346	150.85	ng	0.02
7) Phenol-d6	6.33	99	1477778	136.83	ng	0.00
23) Nitrobenzene-d5	7.25	82	1096548	101.81	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	466328	132.93	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2070683	102.60	ng	0.00
79) Terphenyl-d14	12.79	244	2246888	98.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.47	88	173173	46.389	ng	# 84
3) Pyridine	3.12	79	255206	24.917	ng	94
4) n-Nitrosodimethylamine	3.06	42	260730	49.823	ng	93
6) Aniline	6.34	93	147760	10.424	ng	# 1
8) 2-Chlorophenol	6.46	128	542883	57.971	ng	99
9) Benzaldehyde	6.22	77	112493	13.617	ng	97
10) Phenol	6.34	94	564186	46.047	ng	99
11) bis(2-Chloroethyl)ether	6.42	93	528251	55.839	ng	98
12) 1,3-Dichlorobenzene	6.62	146	553254	53.963	ng	98
13) 1,4-Dichlorobenzene	6.69	146	557333	53.365	ng	98
14) 1,2-Dichlorobenzene	6.85	146	521093	54.140	ng	99
15) Benzyl Alcohol	6.83	79	404986	48.280	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.96	45	871295	47.330	ng	91
17) 2-Methylphenol	6.95	107	429182	51.354	ng	97
18) Hexachloroethane	7.19	117	209082	53.568	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	375910	54.128	ng	97
20) 3+4-Methylphenols	7.10	107	529433	51.798	ng	93
22) Acetophenone	7.09	105	743980	57.018	ng	# 96
24) Nitrobenzene	7.27	77	575577	53.122	ng	98
25) Isophorone	7.51	82	1054492	50.787	ng	99
26) 2-Nitrophenol	7.58	139	296813	54.832	ng	96
27) 2,4-Dimethylphenol	7.63	122	454073	55.618	ng	97
28) bis(2-Chloroethoxy)methane	7.72	93	649015	53.121	ng	100
29) 2,4-Dichlorophenol	7.83	162	445413	53.226	ng	97
30) 1,2,4-Trichlorobenzene	7.90	180	480419	50.666	ng	98
31) Naphthalene	7.99	128	1557312	53.121	ng	98
32) Benzoic acid	7.75	122	204197	28.479	ng	95
33) 4-Chloroaniline	8.03	127	69592	5.453	ng	97
34) Hexachlorobutadiene	8.10	225	275762	48.584	ng	99
35) Caprolactam	8.42	113	59639	23.298	ng	94
36) 4-Chloro-3-methylphenol	8.53	107	488146	53.878	ng	99
37) 2-Methylnaphthalene	8.67	142	1056491	53.155	ng	99
38) 1-Methylnaphthalene	8.77	142	1007946	53.804	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	463019	51.163	ng	99

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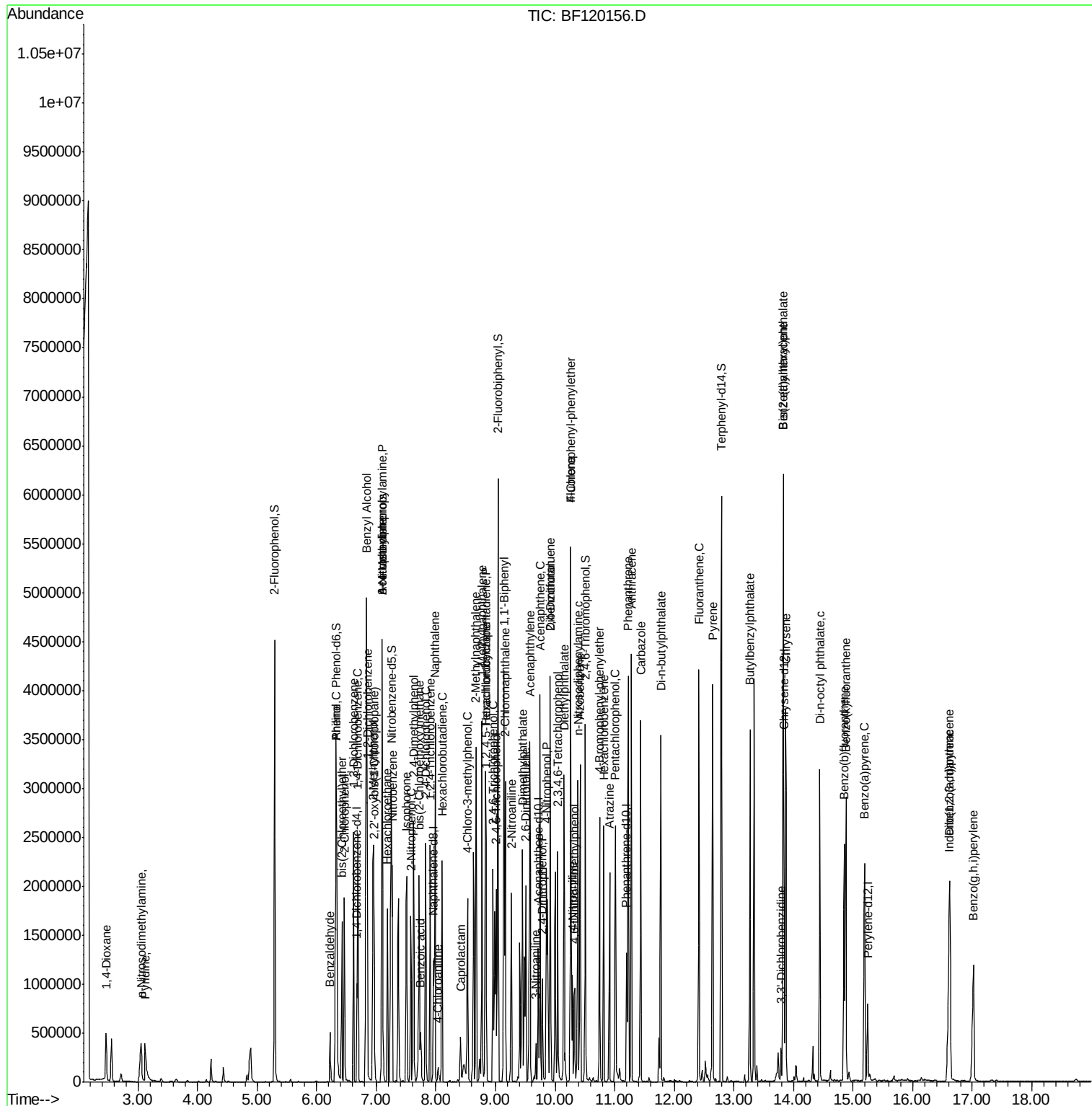
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.83	237	443563	86.193	nq	100
43) 2,4,6-Trichlorophenol	8.96	196	324126	51.865	nq	98
44) 2,4,5-Trichlorophenol	9.01	196	343736	48.835	nq	95
46) 1,1'-Biphenyl	9.15	154	1251311	51.739	nq	99
47) 2-Chloronaphthalene	9.17	162	1001167	53.737	nq	97
48) 2-Nitroaniline	9.27	65	346130	51.267	nq	91
49) Acenaphthylene	9.58	152	1528855	53.958	nq	98
50) Dimethylphthalate	9.46	163	1253446	56.556	nq	99
51) 2,6-Dinitrotoluene	9.51	165	263250	54.241	nq	90
52) Acenaphthene	9.75	154	931742	49.297	nq	99
53) 3-Nitroaniline	9.67	138	58100	10.482	nq	92
54) 2,4-Dinitrophenol	9.79	184	135310	46.567	nq	91
55) Dibenzofuran	9.93	168	1375247	53.024	nq	98
56) 4-Nitrophenol	9.86	139	329584	79.914	nq	97
57) 2,4-Dinitrotoluene	9.92	165	334895	52.374	nq	91
58) Fluorene	10.27	166	1082356	52.180	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.05	232	282446	52.467	nq	99
60) Diethylphthalate	10.15	149	1146429	49.909	nq	99
61) 4-Chlorophenyl-phenylether	10.26	204	508644	47.844	nq	98
62) 4-Nitroaniline	10.29	138	206244	39.043	nq	98
63) Azobenzene	10.42	77	1087252	52.816	nq	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	133537	37.240	nq	99
66) n-Nitrosodiphenylamine	10.39	169	876316	48.411	nq	99
67) 4-Bromophenyl-phenylether	10.75	248	317935	46.970	nq	99
68) Hexachlorobenzene	10.82	284	346376	50.443	nq	94
69) Atrazine	10.92	200	241114	47.874	nq	99
70) Pentachlorophenol	11.02	266	319329	80.697	nq	97
71) Phenanthrene	11.23	178	1558835	53.812	nq	99
72) Anthracene	11.28	178	1607148	54.309	nq	98
73) Carbazole	11.44	167	1474592	52.693	nq	97
74) Di-n-butylphthalate	11.77	149	1797929	48.872	nq	99
75) Fluoranthene	12.42	202	1701358	54.433	nq	98
78) Pyrene	12.65	202	1707991	52.670	nq	99
80) Butylbenzylphthalate	13.27	149	756081	48.050	nq	98
81) Benzo(a)anthracene	13.83	228	1345028	53.151	nq	99
82) 3,3'-Dichlorobenzidine	13.79	252	65033	6.887	nq	99
83) Chrysene	13.87	228	1383314	53.798	nq	99
84) Bis(2-ethylhexyl)phthalate	13.83	149	941417	44.180	nq	99
85) Di-n-octyl phthalate	14.44	149	1643813	45.307	nq	97
86) Indeno(1,2,3-cd)pyrene	16.61	276	1184253	52.248	nq	99
88) Benzo(b)fluoranthene	14.85	252	1208187	52.020	nq	97
89) Benzo(k)fluoranthene	14.88	252	1201158	59.941	nq	99
90) Benzo(a)pyrene	15.19	252	1066168	54.598	nq	99
91) Dibenzo(a,h)anthracene	16.63	278	970270	56.093	nq	98
92) Benzo(g,h,i)perylene	17.02	276	963537	56.432	nq	97

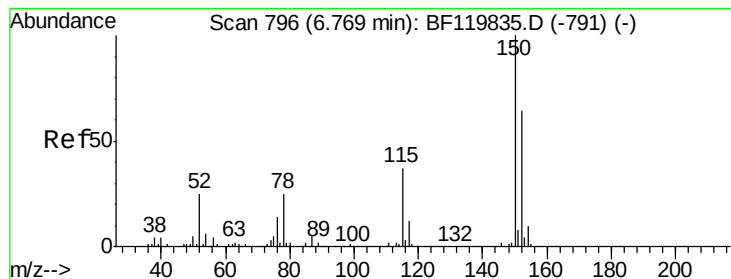
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

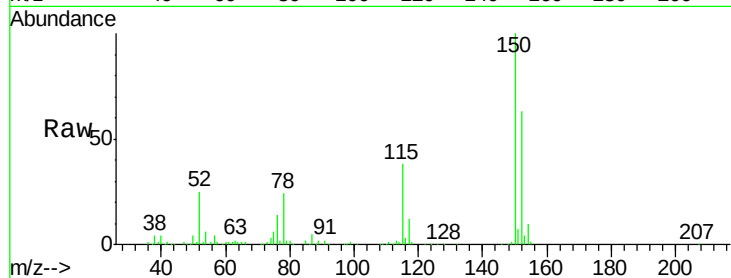
Tot Ion:152 Resp: 144846

Ion Ratio Lower Upper

152 100

150 158.3 124.5 186.7

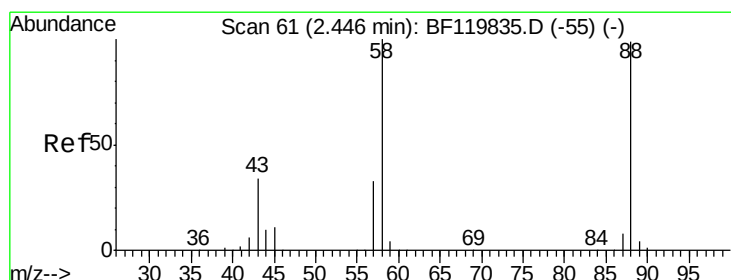
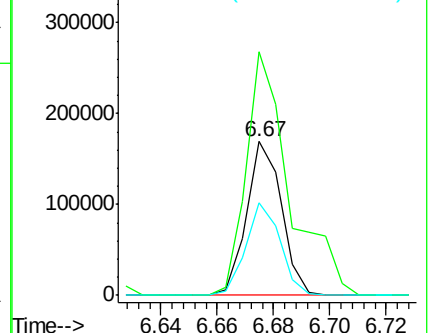
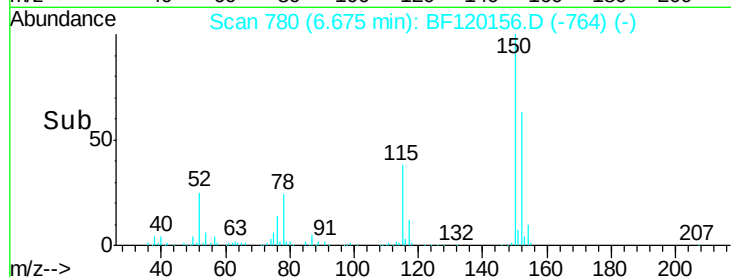
115 60.6 49.6 74.4



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



#2

1,4-Dioxane

Concen: 46.389 ng

RT: 2.47 min Scan# 65

Delta R.T. 0.19 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

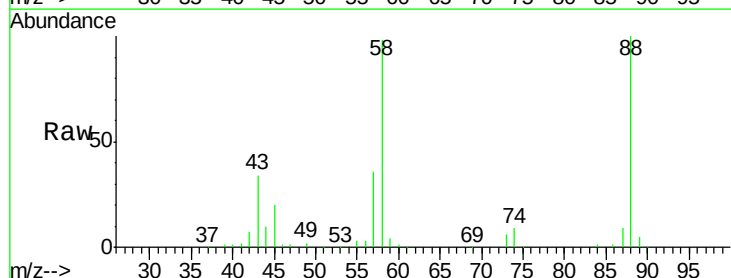
Tgt Ion: 88 Resp: 173173

Ion Ratio Lower Upper

88 100

58 99.4 80.6 121.0

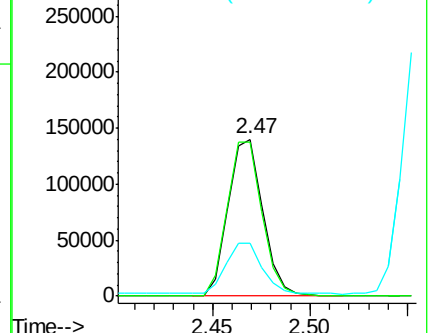
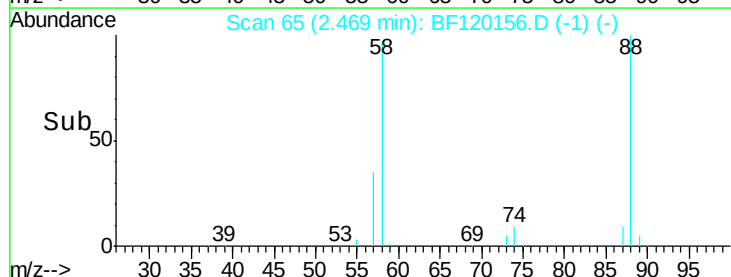
43 0.0 27.5 41.3#

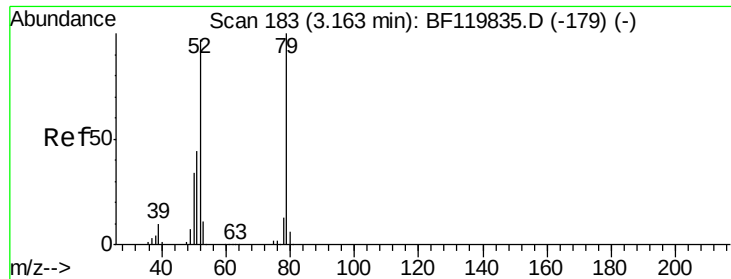


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 24.917 ng

RT: 3.12 min Scan# 176

Delta R.T. 0.16 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

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TR-05-042020MSD

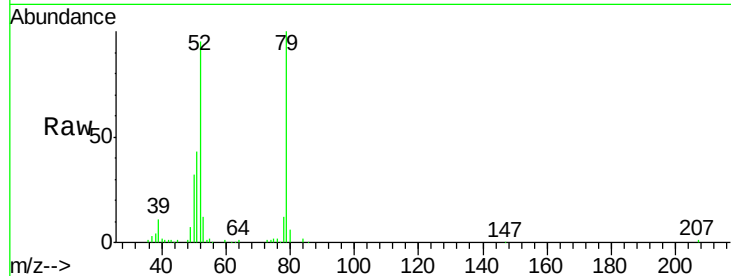
Tot Ion: 79 Resp: 255206

Ion Ratio Lower Upper

79 100

52 95.1 80.2 120.2

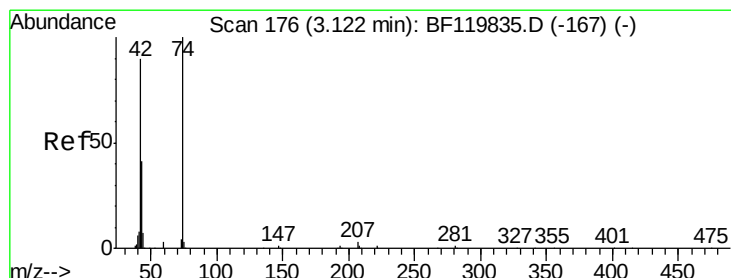
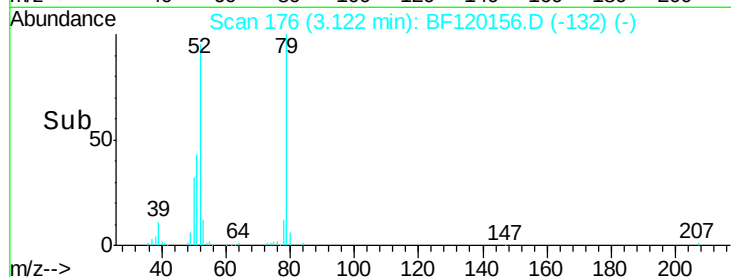
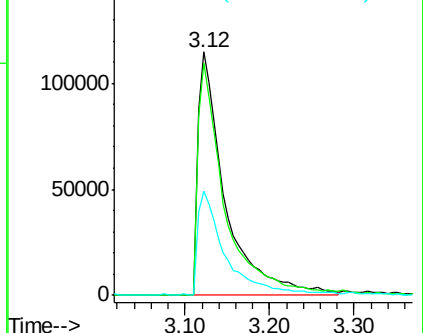
51 42.8 37.7 56.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 49.823 ng

RT: 3.06 min Scan# 165

Delta R.T. 0.13 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

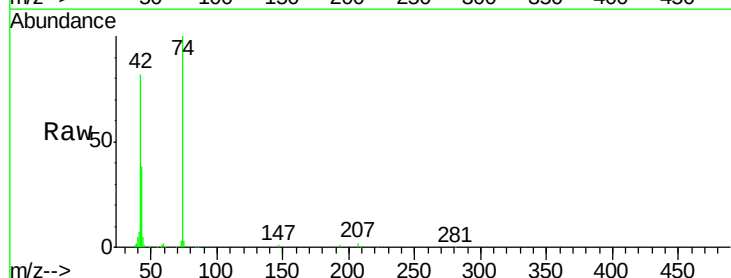
Tgt Ion: 42 Resp: 260730

Ion Ratio Lower Upper

42 100

74 121.7 91.5 137.3

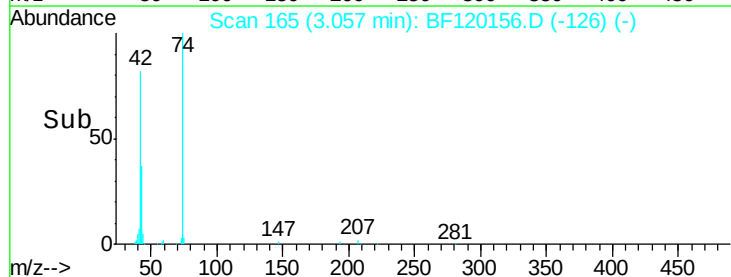
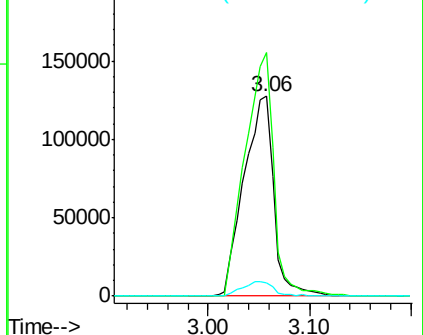
44 6.4 6.2 9.4

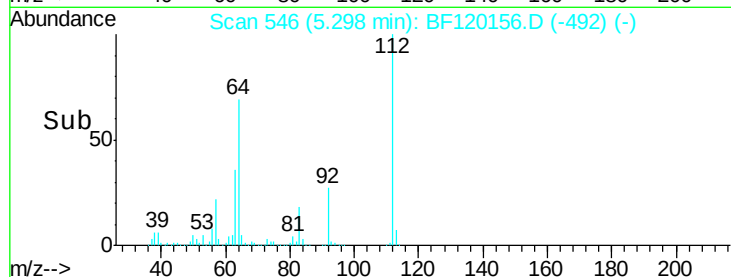
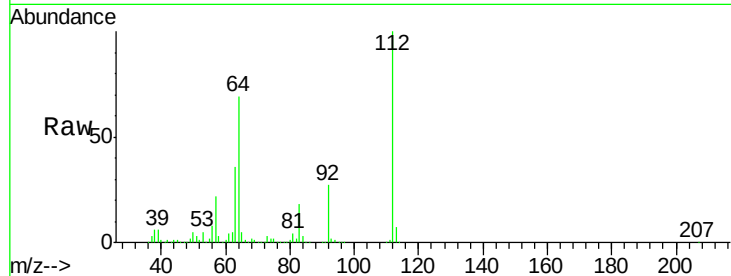
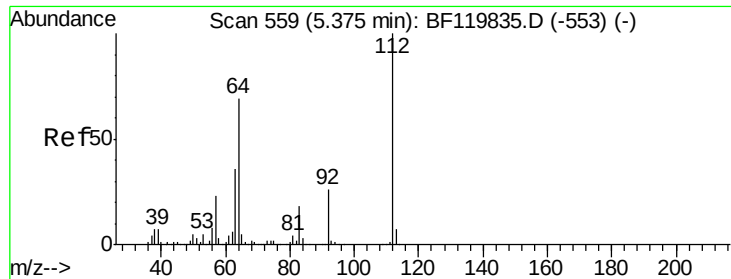


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 150.851 ng

RT: 5.30 min Scan# 546

Delta R.T. 0.02 min

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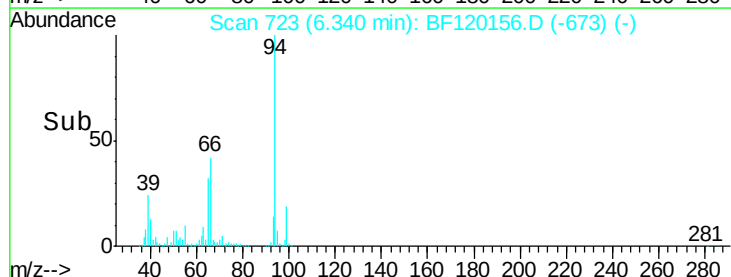
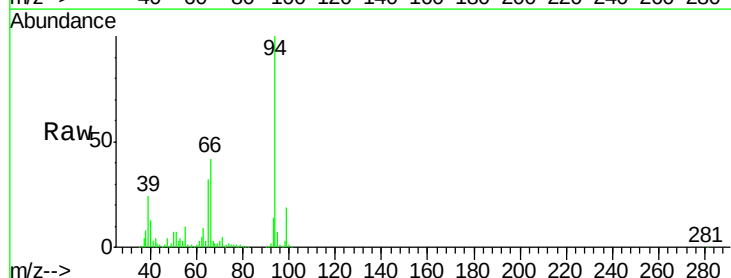
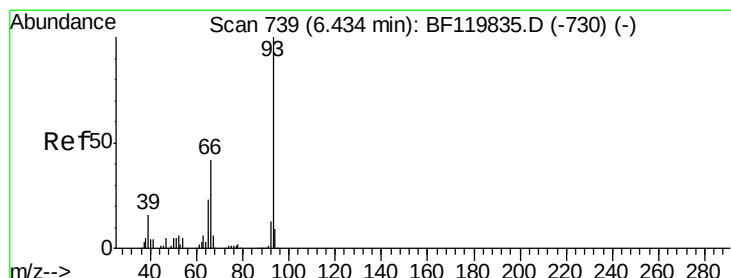
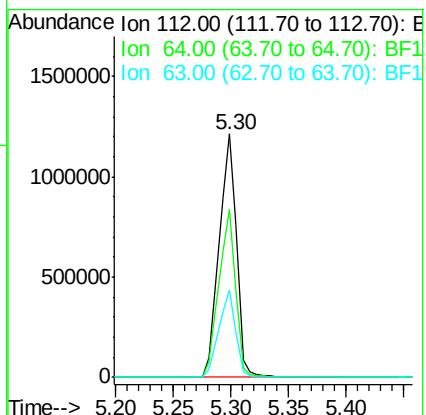
Tot Ion:112 Resp: 1264346

Ion Ratio Lower Upper

112 100

64 68.9 56.7 85.1

63 36.0 29.5 44.3



#6

Aniline

Concen: 10.424 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

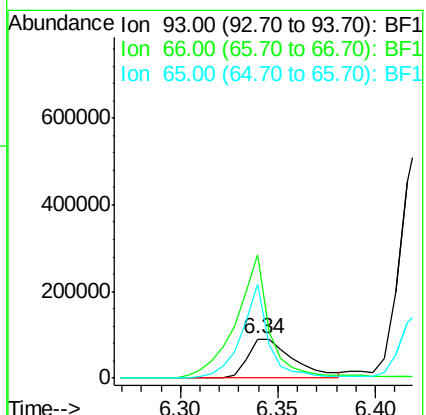
Tgt Ion: 93 Resp: 147760

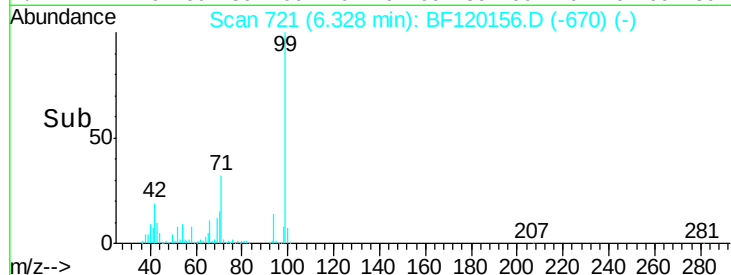
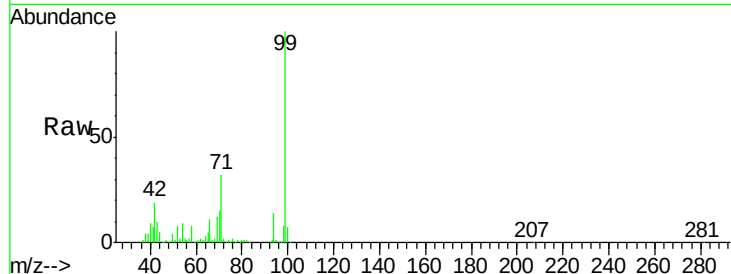
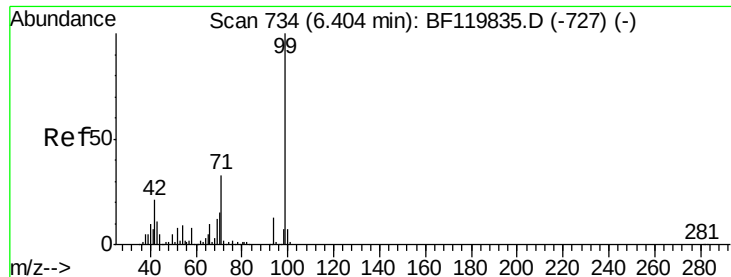
Ion Ratio Lower Upper

93 100

66 312.6 34.9 52.3#

65 237.0 18.6 27.8#





#7

Phenol-d6

Concen: 136.833 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

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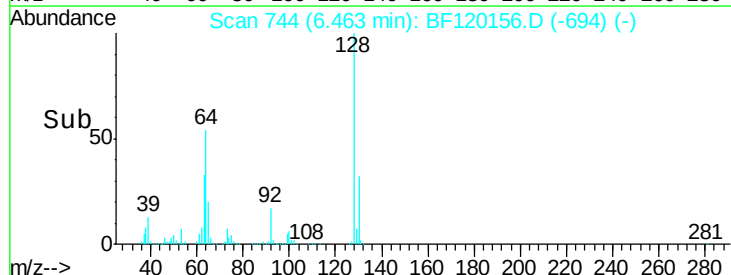
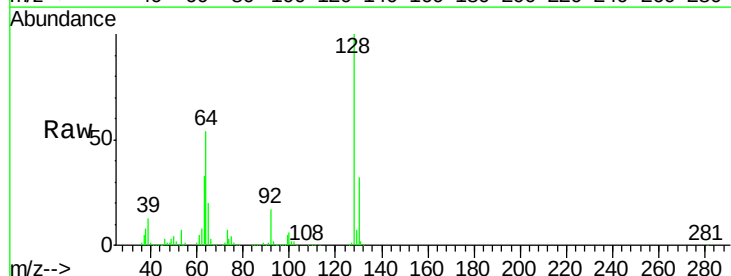
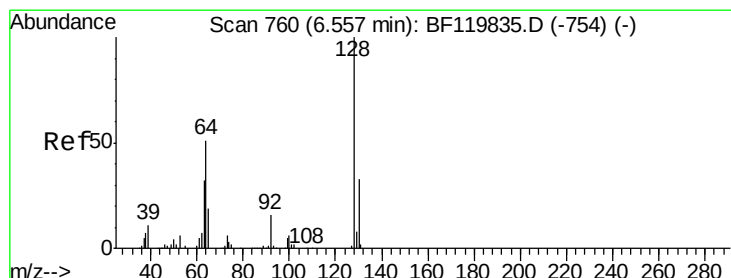
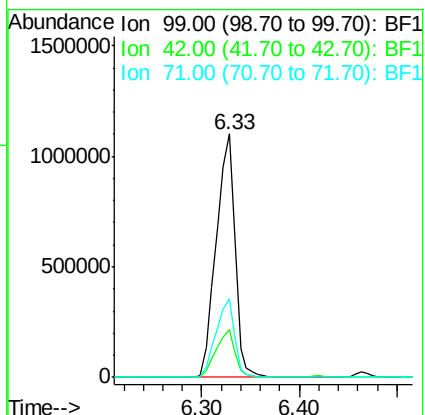
Tot Ion: 99 Resp: 1477778

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

71 32.4 26.4 39.6



#8

2-Chlorophenol

Concen: 57.971 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

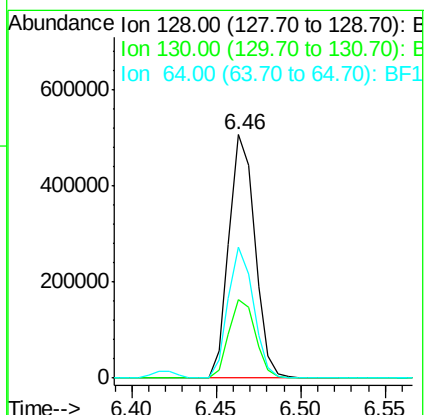
Tgt Ion: 128 Resp: 542883

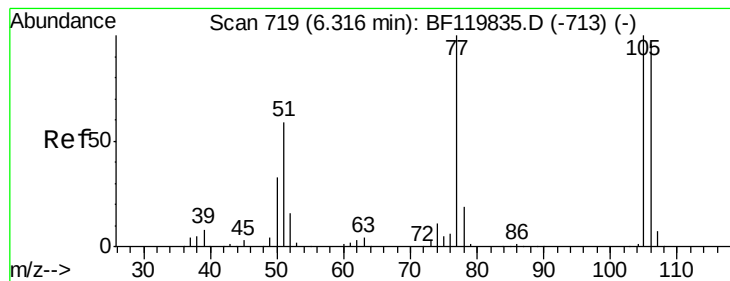
Ion Ratio Lower Upper

128 100

130 32.4 12.6 52.6

64 54.0 35.3 75.3





#9

Benzaldehyde

Concen: 13.617 ng

RT: 6.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF120156.D

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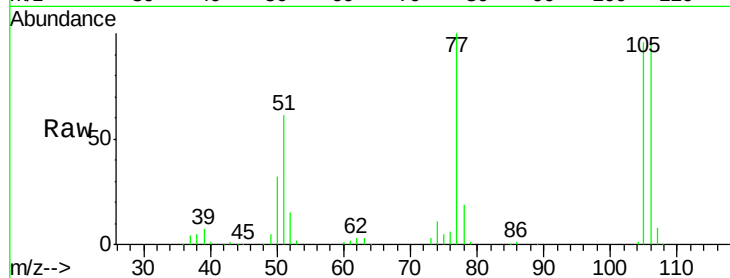
Tot Ion: 77 Resp: 112493

Ion Ratio Lower Upper

77 100

105 96.3 80.9 120.9

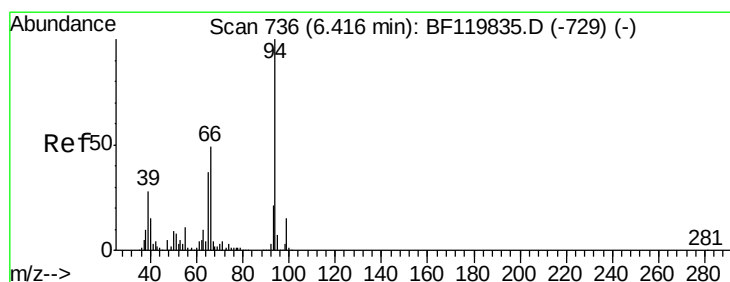
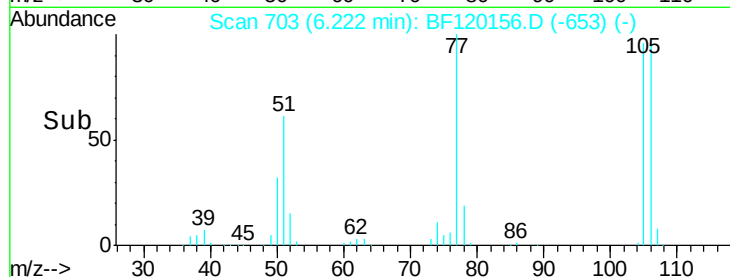
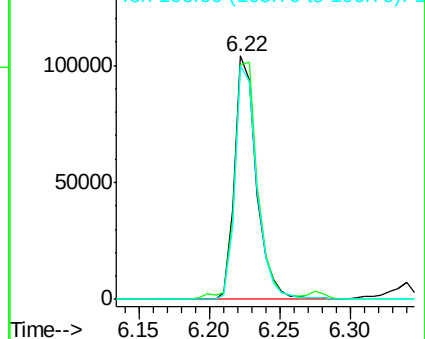
106 96.0 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 46.047 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

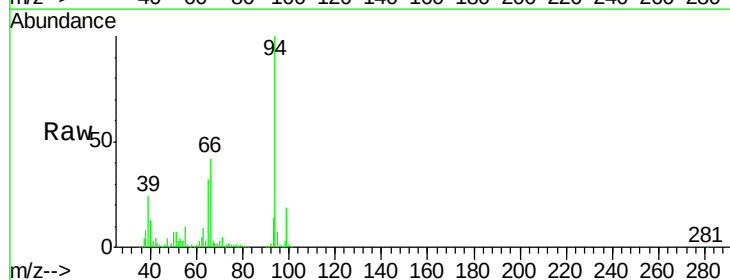
Tgt Ion: 94 Resp: 564186

Ion Ratio Lower Upper

94 100

65 32.1 13.2 53.2

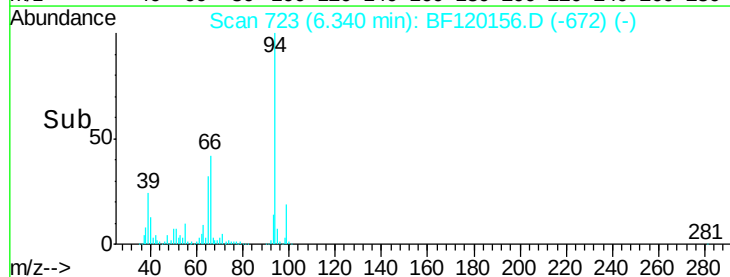
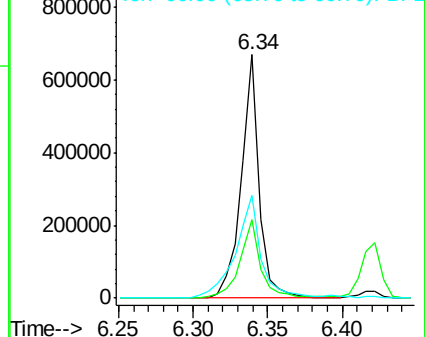
66 42.4 22.3 62.3

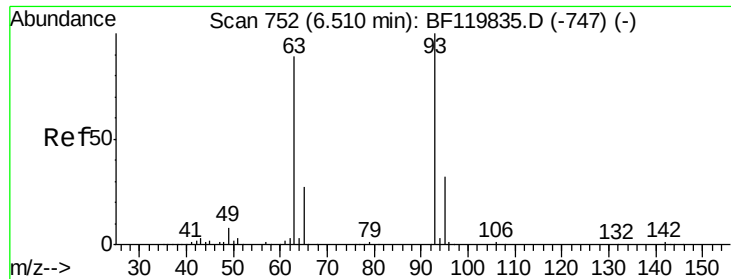


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

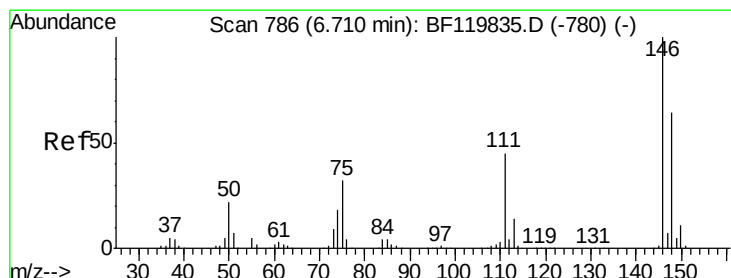
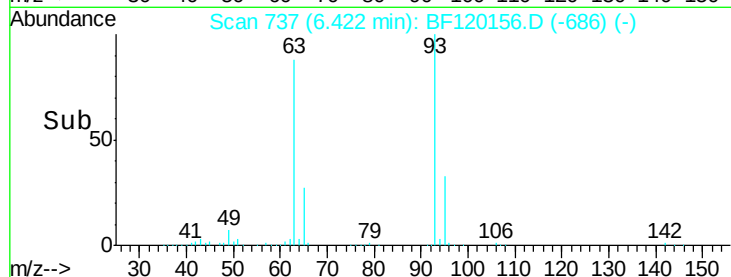
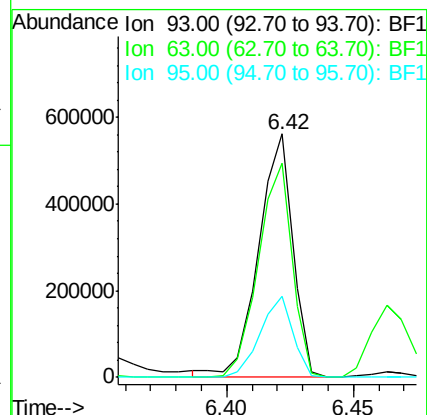
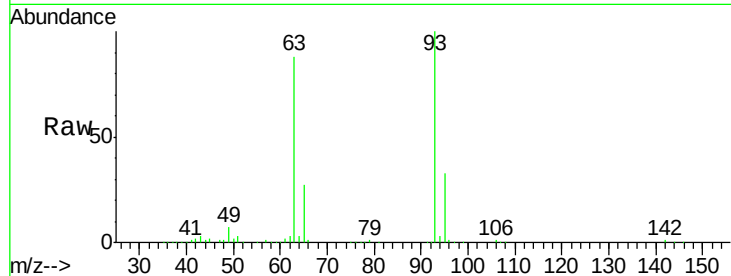




#11
bis(2-Chloroethyl)ether
Concen: 55.839 ng
RT: 6.42 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

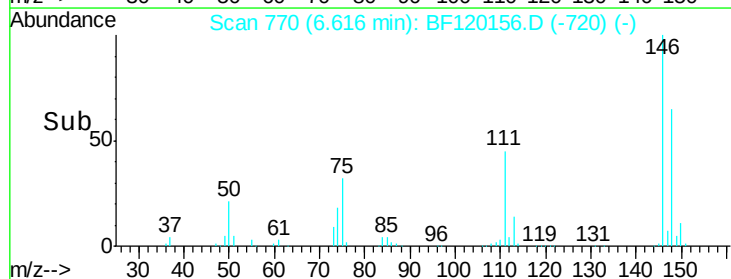
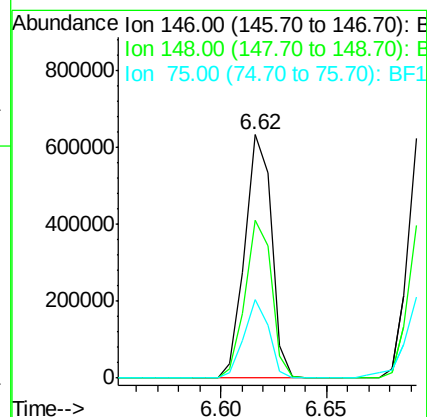
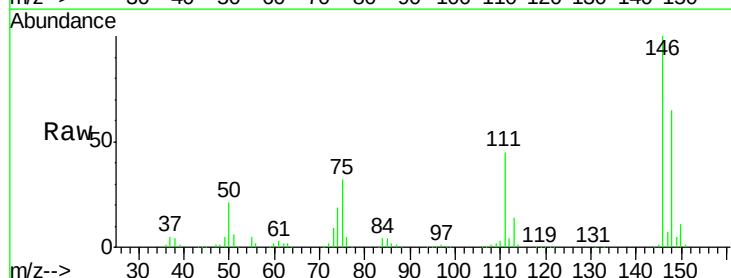
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

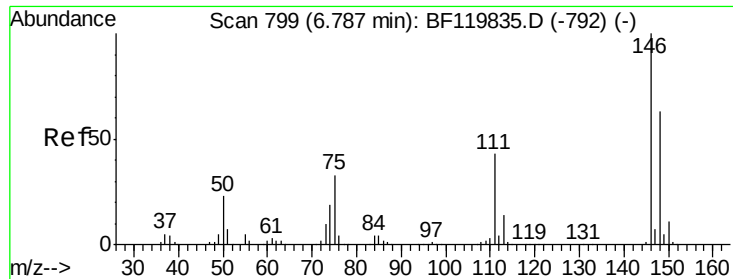
Tot Ion: 93 Resp: 528251
Ion Ratio Lower Upper
93 100
63 87.8 70.2 110.2
95 33.4 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 53.963 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion: 146 Resp: 553254
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.4
75 32.2 23.0 34.4

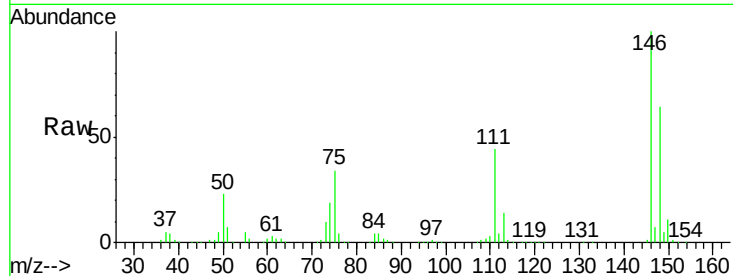




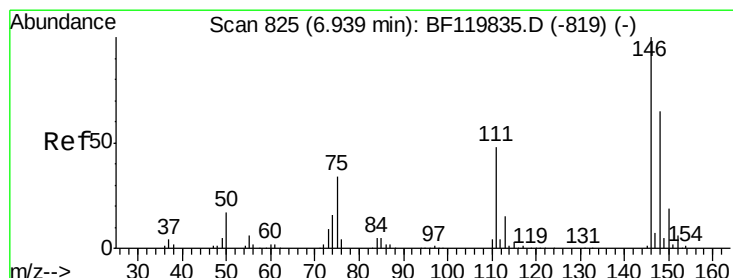
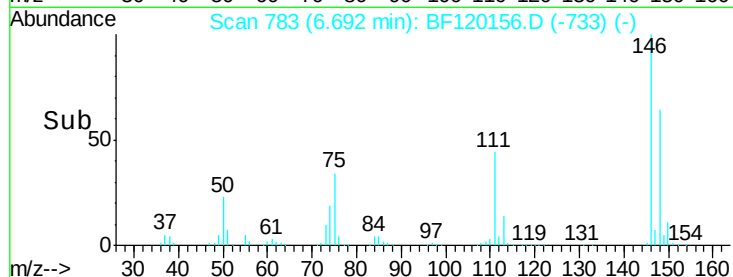
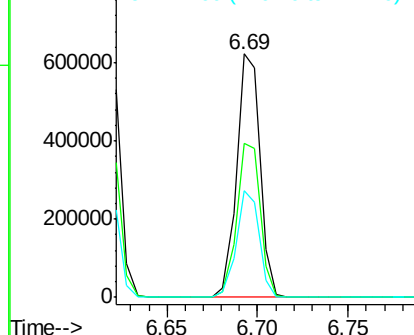
#13
 1,4-Dichlorobenzene
 Concen: 53.365 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

Tot Ion:146 Resp: 557333
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.5 77.3
 111 44.0 33.3 49.9

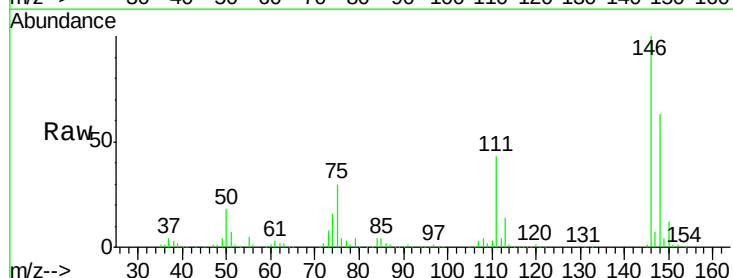


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

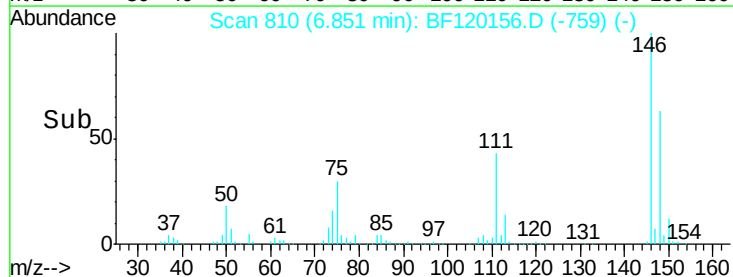
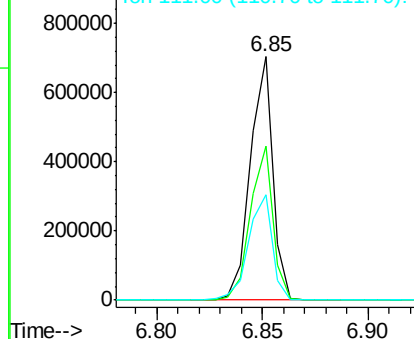


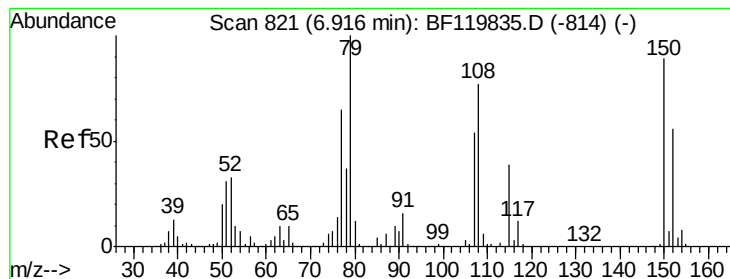
#14
 1,2-Dichlorobenzene
 Concen: 54.140 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:146 Resp: 521093
 Ion Ratio Lower Upper
 146 100
 148 63.0 50.6 75.8
 111 43.4 36.1 54.1



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: 48.280 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

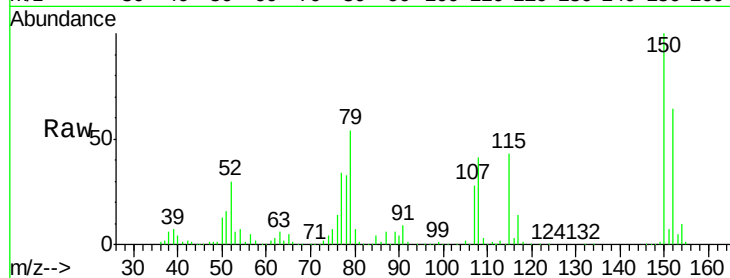
Tot Ion: 79 Resp: 404986

Ion Ratio Lower Upper

79 100

108 75.9 60.6 90.8

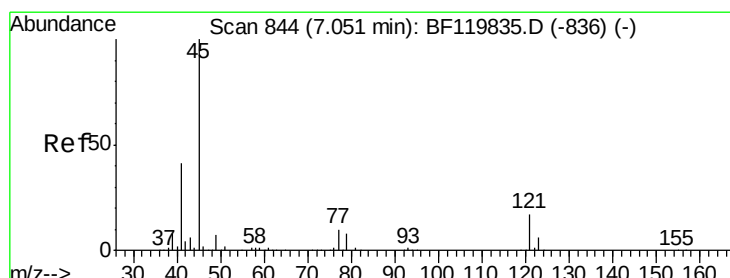
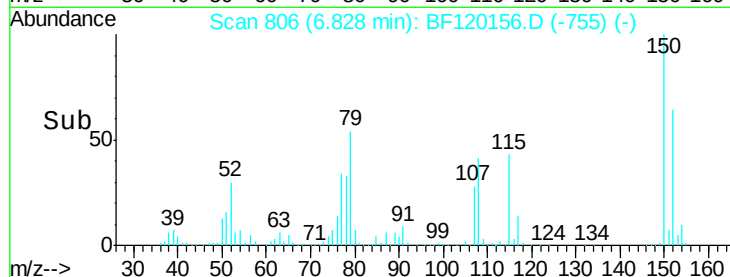
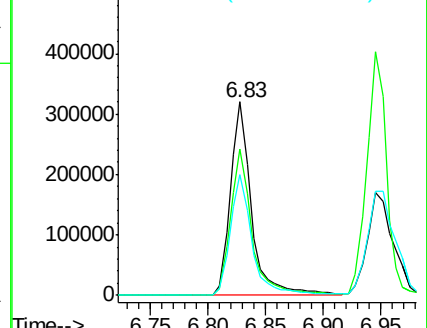
77 62.3 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.330 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

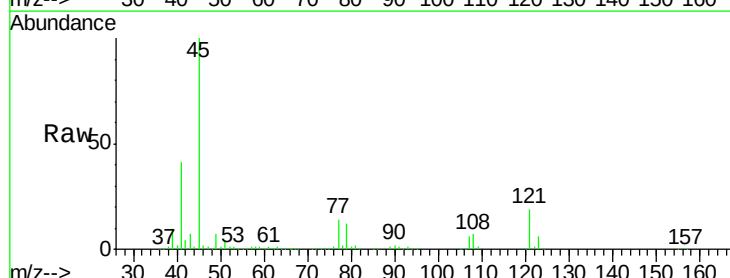
Tgt Ion: 45 Resp: 871295

Ion Ratio Lower Upper

45 100

77 14.1 0.0 30.7

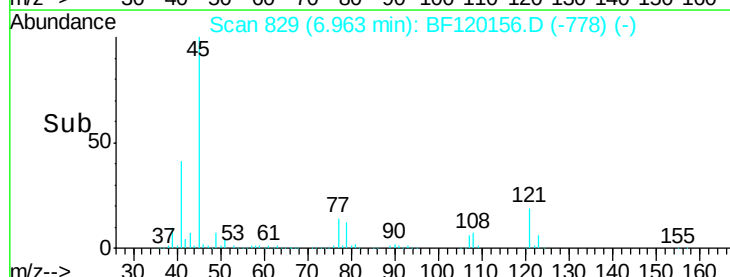
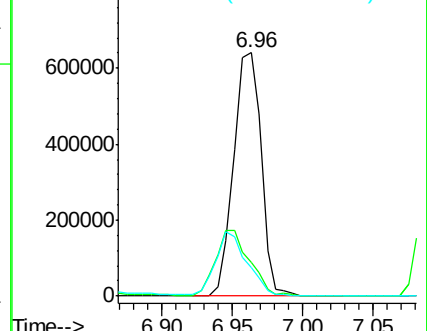
79 11.7 0.0 28.2

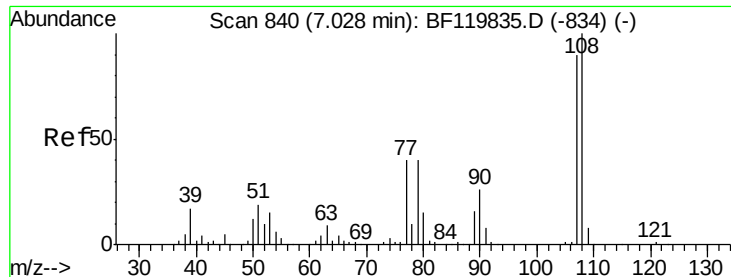


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

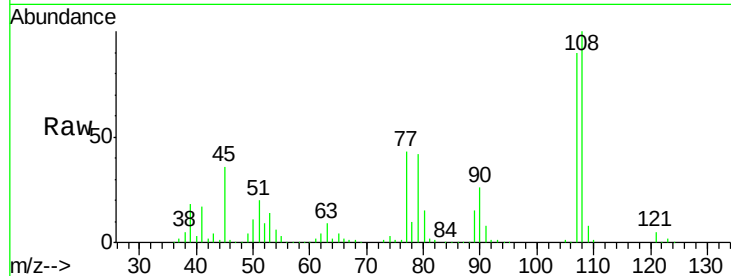




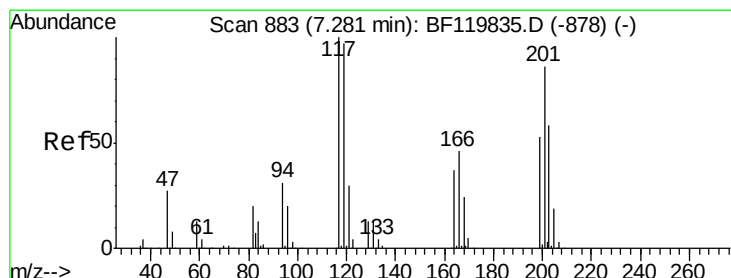
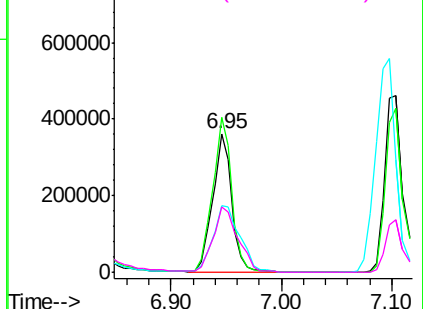
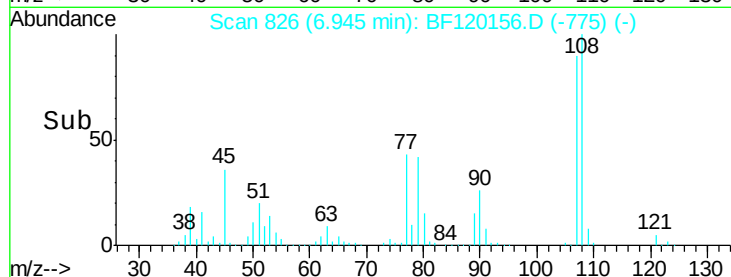
#17
2-Methylphenol
Concen: 51.354 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:107 Resp: 429182
Ion Ratio Lower Upper
107 100
108 111.3 92.2 138.4
77 47.8 36.6 54.8
79 46.7 36.2 54.4

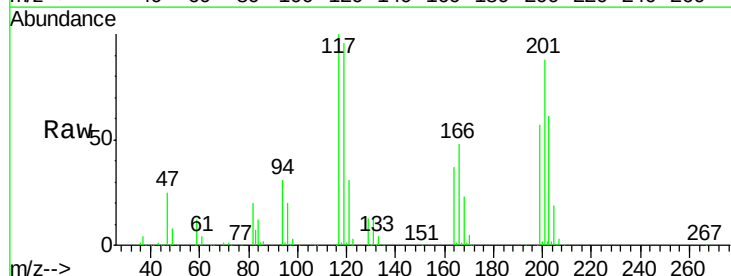


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

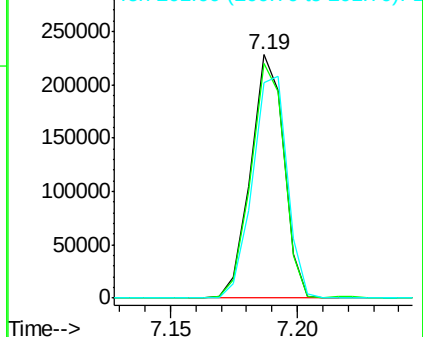
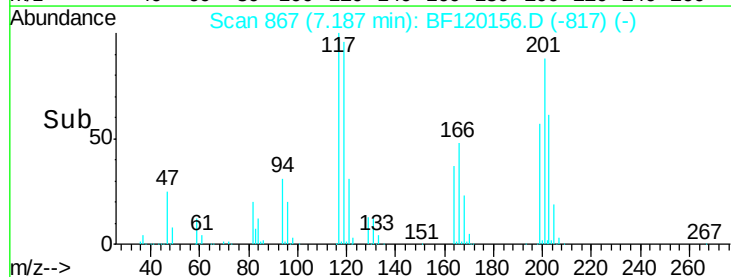


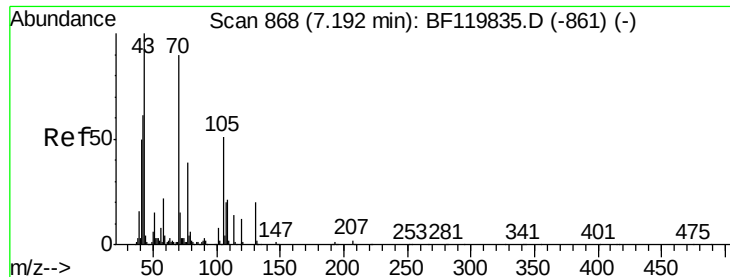
#18
Hexachloroethane
Concen: 53.568 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:117 Resp: 209082
Ion Ratio Lower Upper
117 100
119 96.4 76.1 114.1
201 88.2 73.0 109.6



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

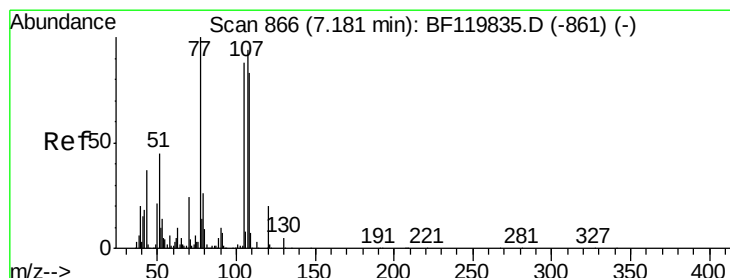
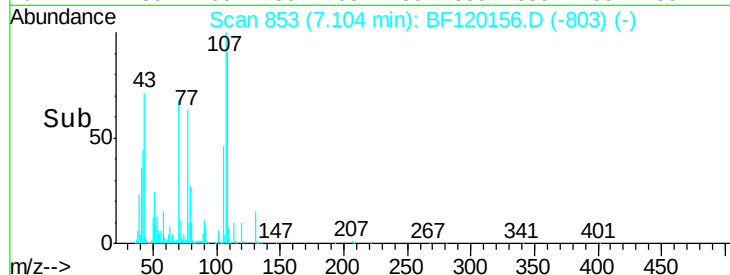
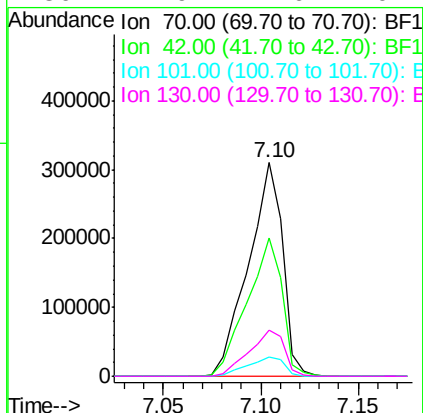
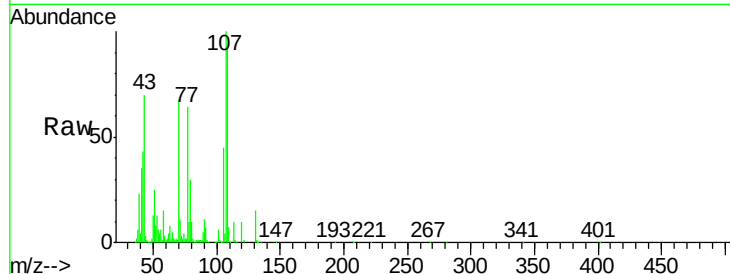




#19
n-Nitroso-di-n-propylamine
Concen: 54.128 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

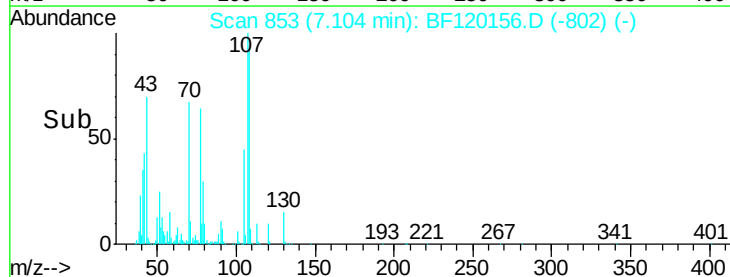
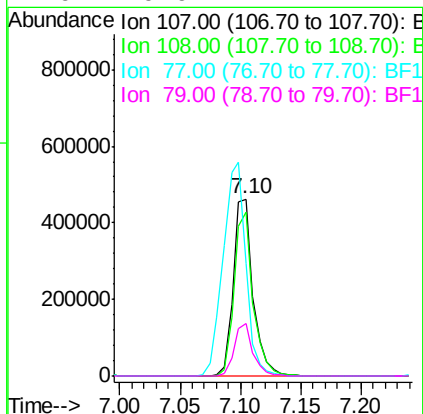
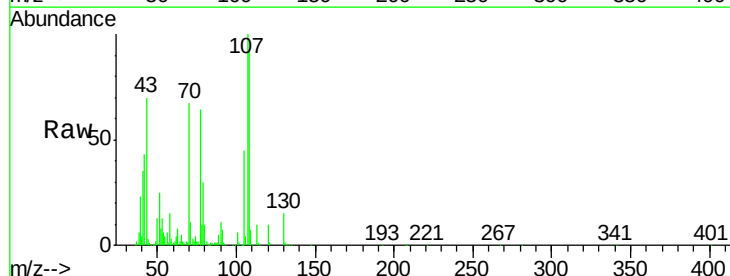
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

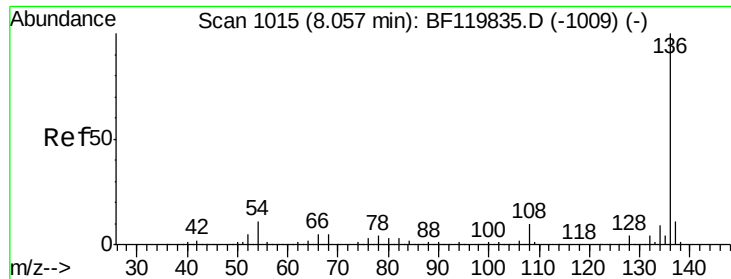
Tot Ion: 70 Resp: 375910
Ion Ratio Lower Upper
70 100
42 64.7 54.5 81.7
101 9.2 7.6 11.4
130 21.9 17.6 26.4



#20
3+4-Methylphenols
Concen: 51.798 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion: 107 Resp: 529433
Ion Ratio Lower Upper
107 100
108 92.2 67.9 107.9
77 63.9 52.9 92.9
79 29.9 7.7 47.7

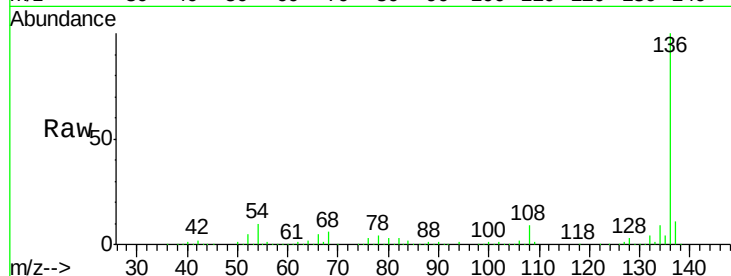




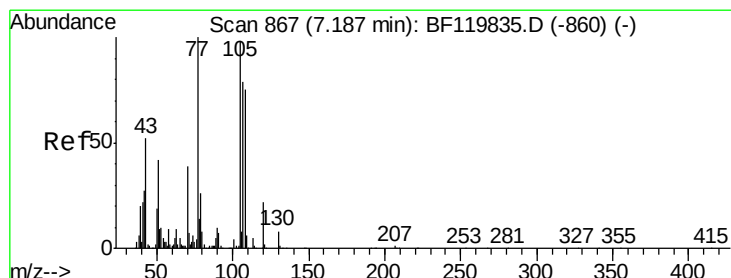
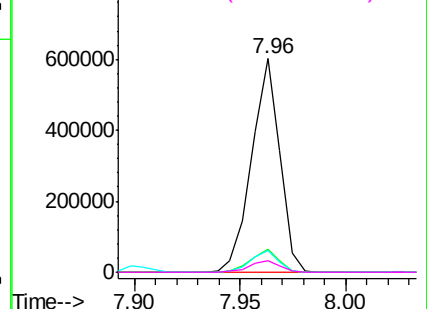
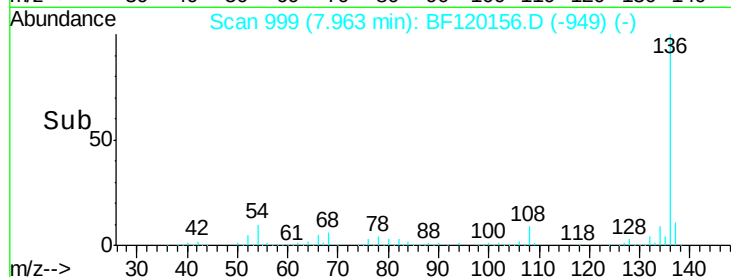
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:136	Resp: 557211
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 10.0	9.1 13.7
68 5.6	4.6 6.8

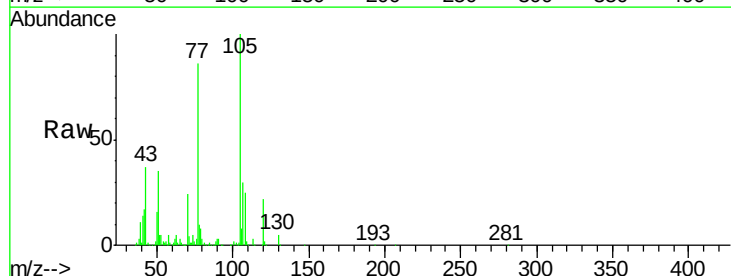


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

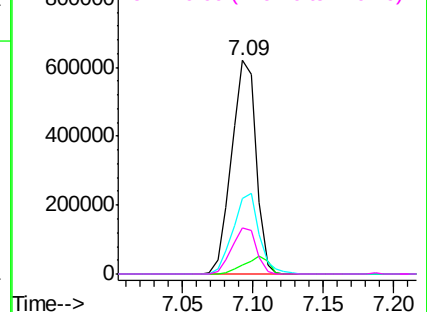
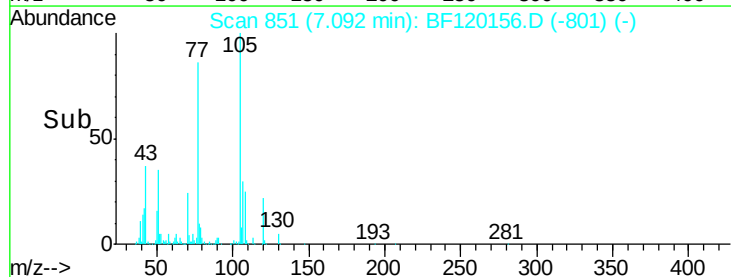


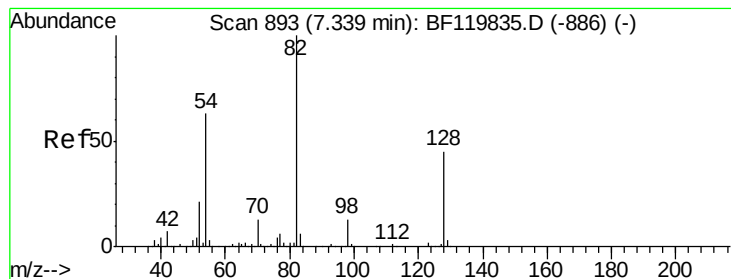
#22
Acetophenone
Concen: 57.018 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:105	Resp: 743980
Ion Ratio	Lower Upper
105 100	
71 4.1	5.7 8.5#
51 35.1	26.2 39.4
120 21.7	18.3 27.5



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: 101.808 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

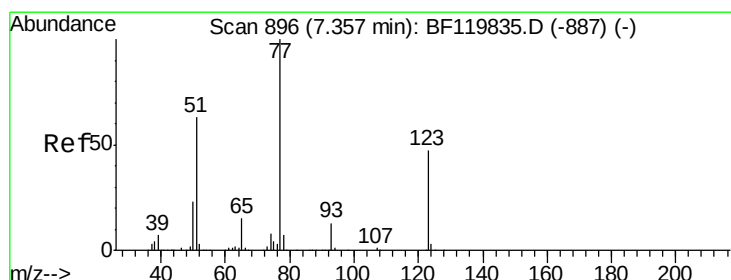
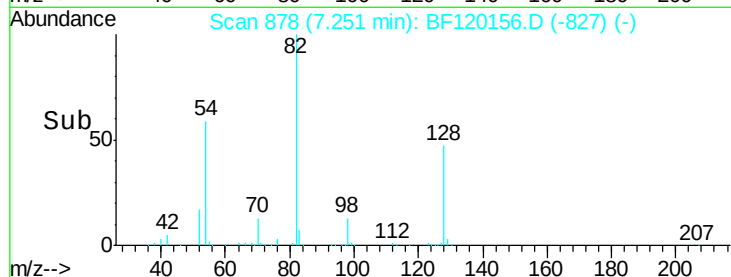
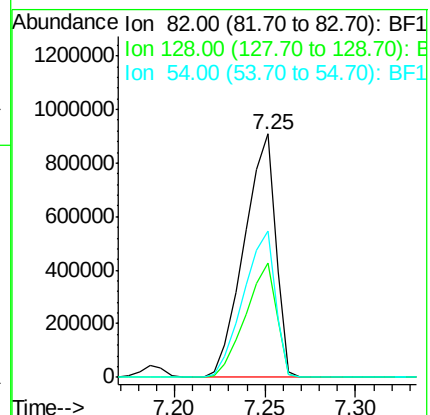
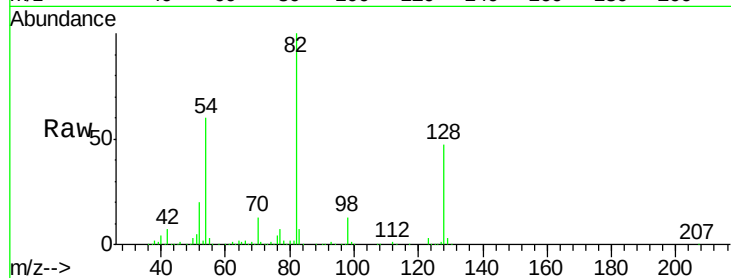
Tot Ion: 82 Resp: 1096548

Ion Ratio Lower Upper

82 100

128 46.9 36.3 54.5

54 60.3 50.6 75.8



#24

Nitrobenzene

Concen: 53.122 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

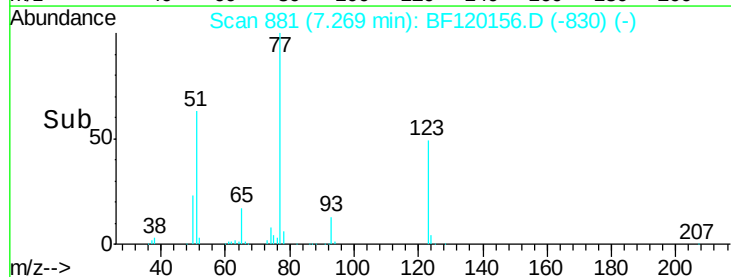
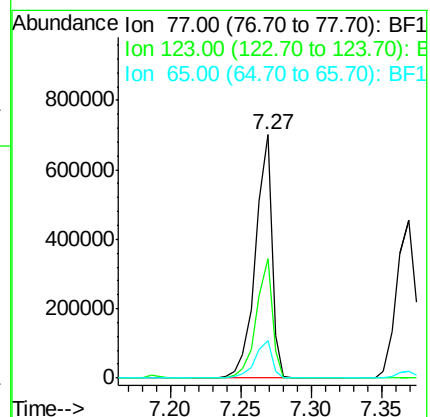
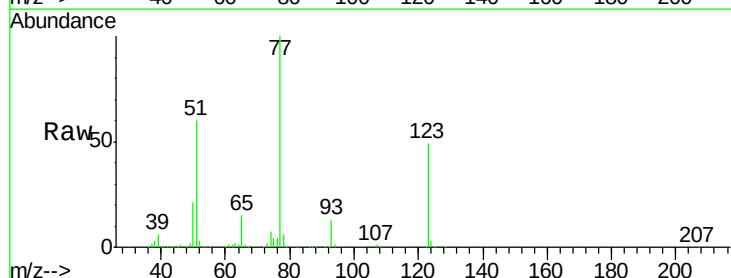
Tgt Ion: 77 Resp: 575577

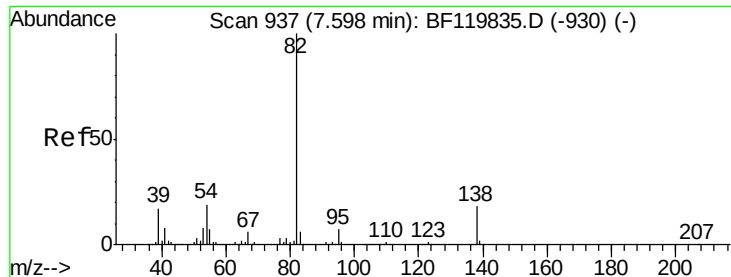
Ion Ratio Lower Upper

77 100

123 49.2 38.0 57.0

65 15.4 12.6 18.8





#25

Isophorone

Concen: 50.787 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

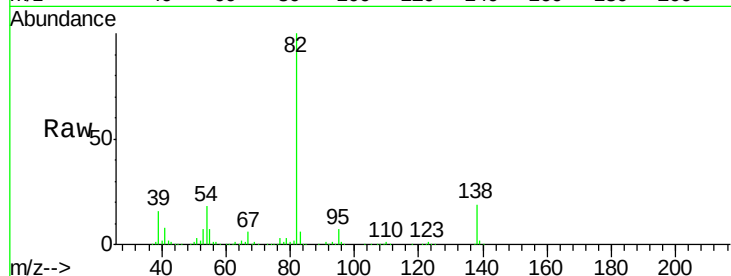
Tot Ion: 82 Resp: 1054492

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

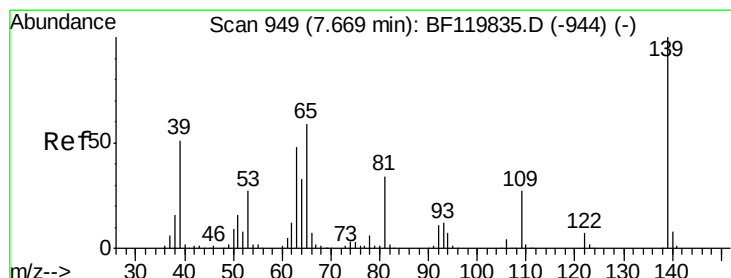
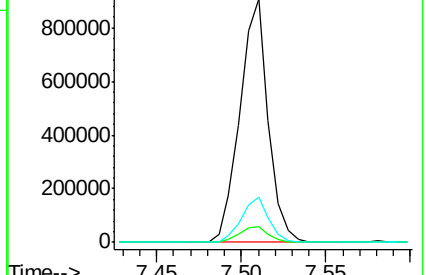
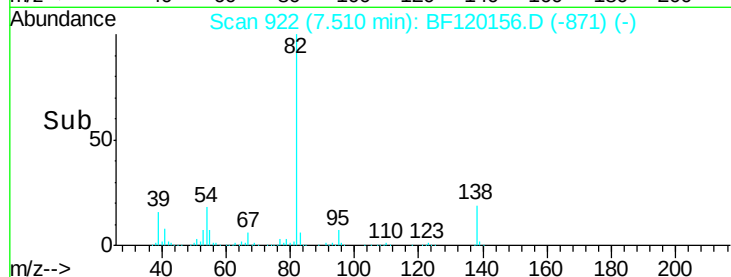
138 18.7 14.6 21.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 54.832 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

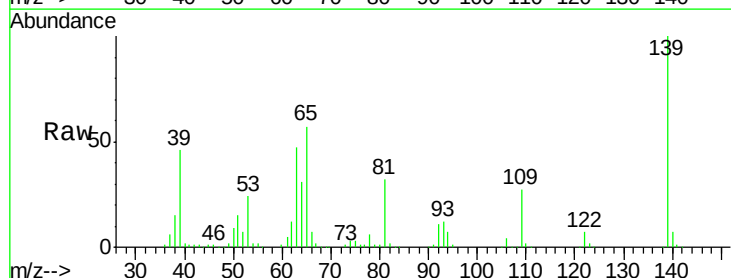
Tgt Ion: 139 Resp: 296813

Ion Ratio Lower Upper

139 100

109 27.2 22.1 33.1

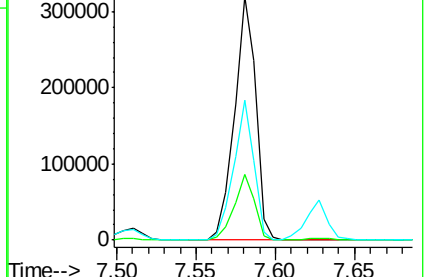
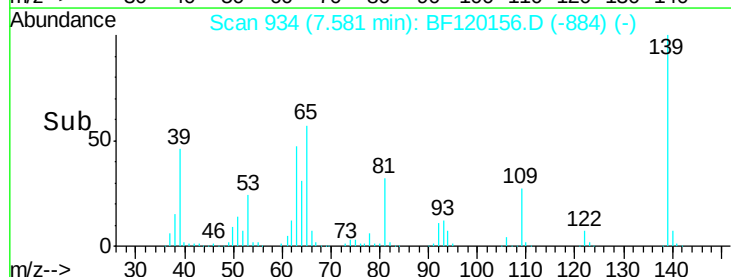
65 57.5 49.2 73.8

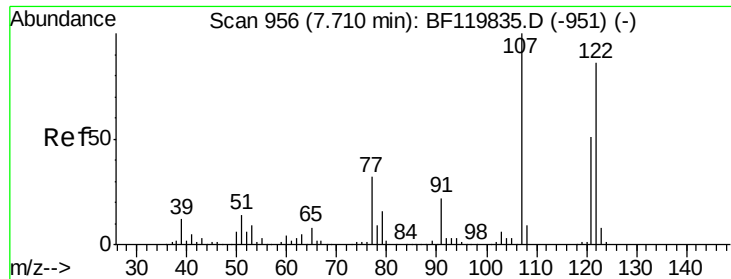


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

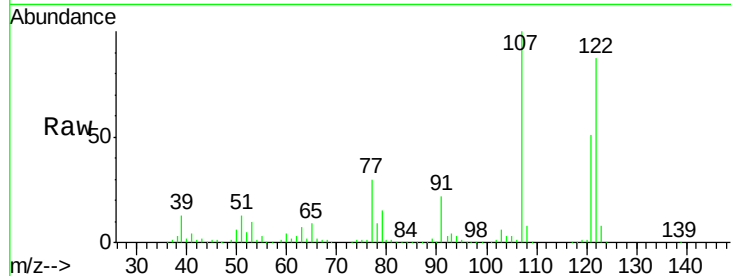




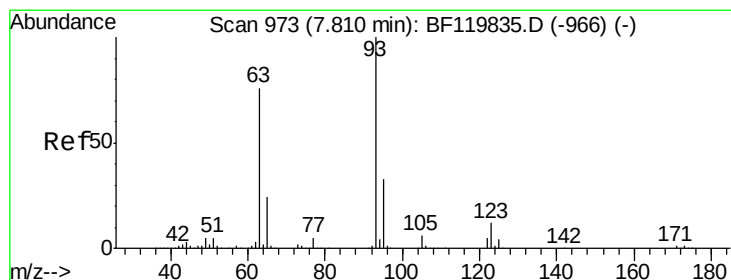
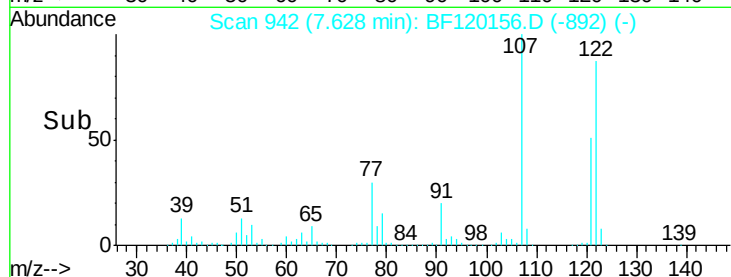
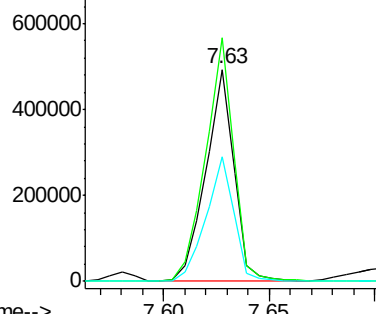
#27
2,4-Dimethylphenol
Concen: 55.618 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:122 Resp: 454073
Ion Ratio Lower Upper
122 100
107 114.9 89.0 133.6
121 59.1 46.7 70.1

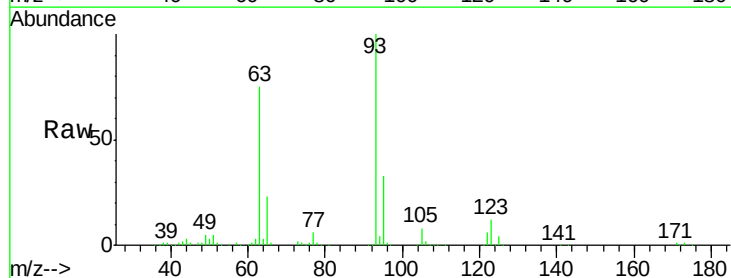


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

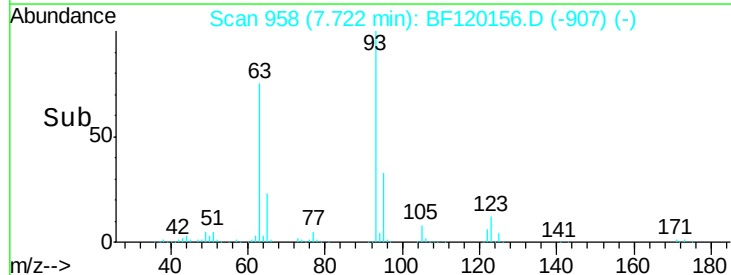
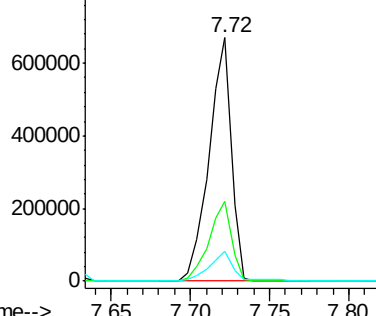


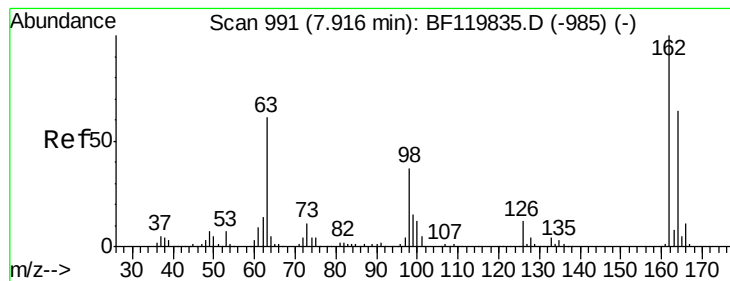
#28
bis(2-Chloroethoxy)methane
Concen: 53.121 ng
RT: 7.72 min Scan# 958
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion: 93 Resp: 649015
Ion Ratio Lower Upper
93 100
95 32.7 26.3 39.5
123 12.1 9.7 14.5



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: 53.226 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

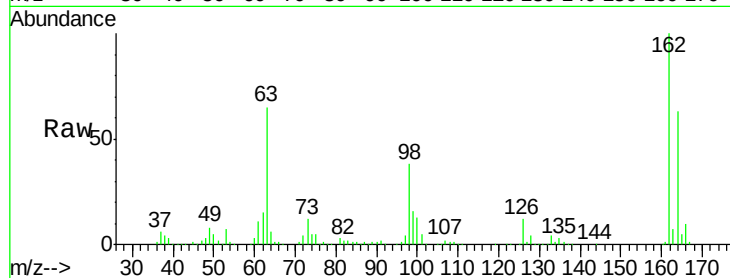
Tot Ion:162 Resp: 445413

Ion Ratio Lower Upper

162 100

164 63.3 44.7 84.7

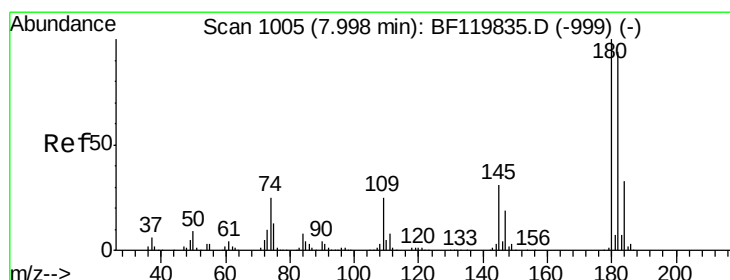
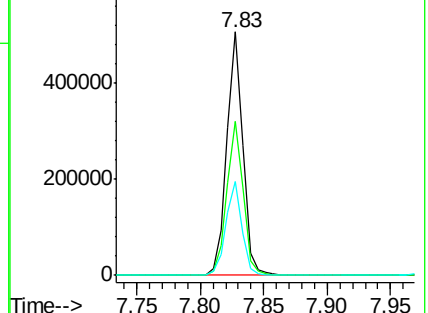
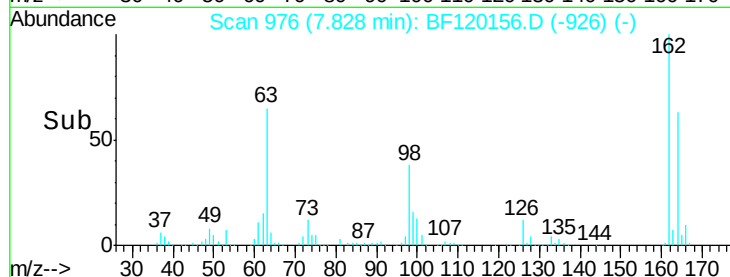
98 38.4 20.7 60.7



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: 50.666 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

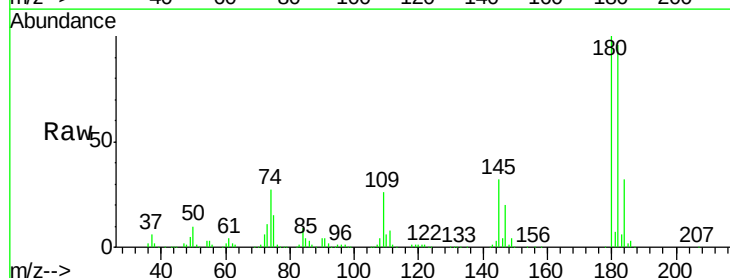
Tgt Ion:180 Resp: 480419

Ion Ratio Lower Upper

180 100

182 95.9 74.7 112.1

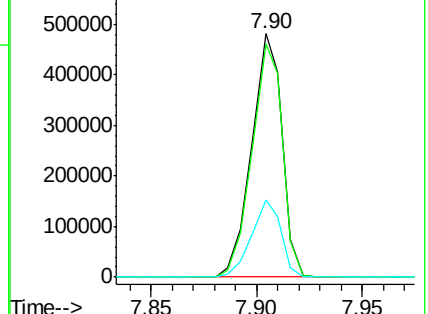
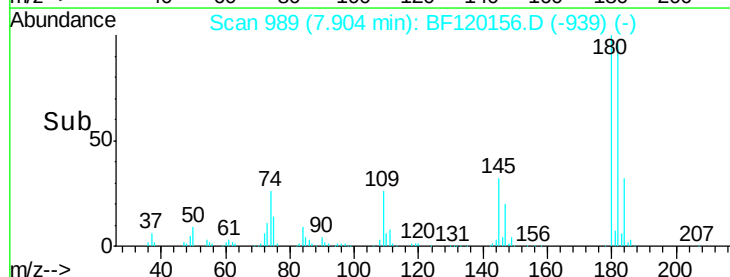
145 31.6 24.5 36.7

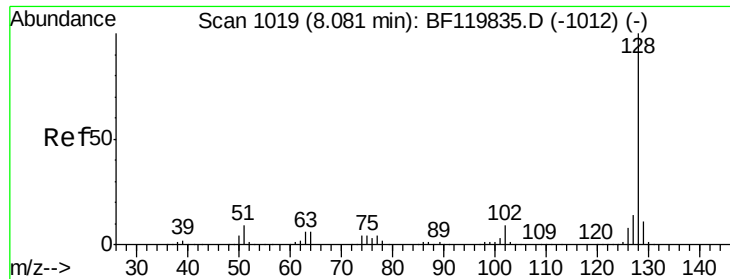


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

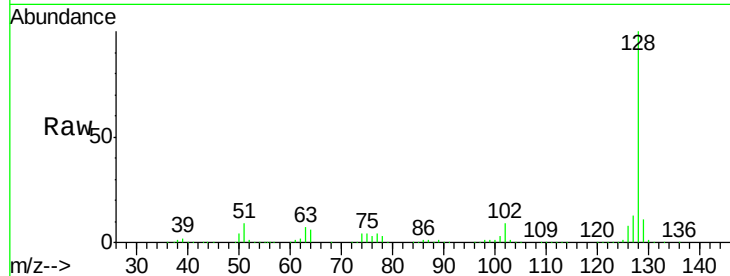




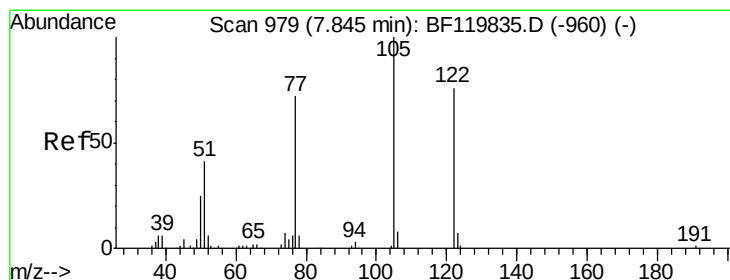
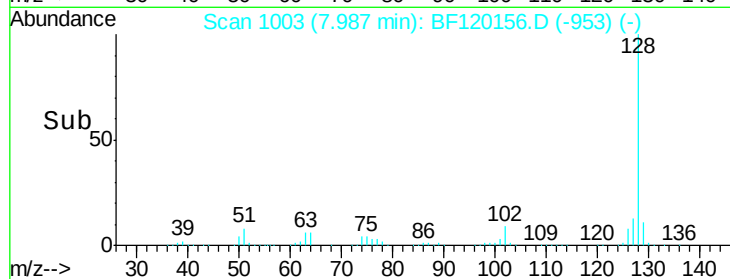
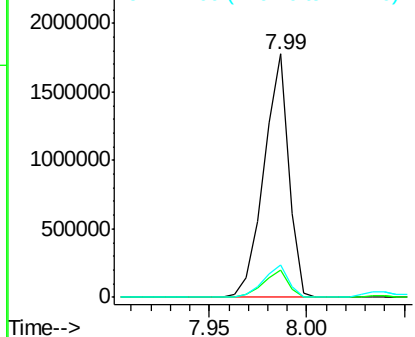
#31
Naphthalene
Concen: 53.121 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:128 Resp: 1557312
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.3 11.3 16.9

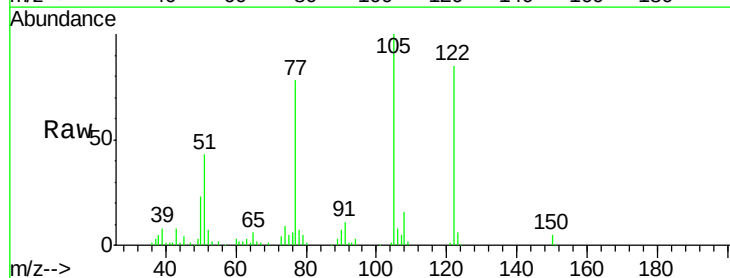


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

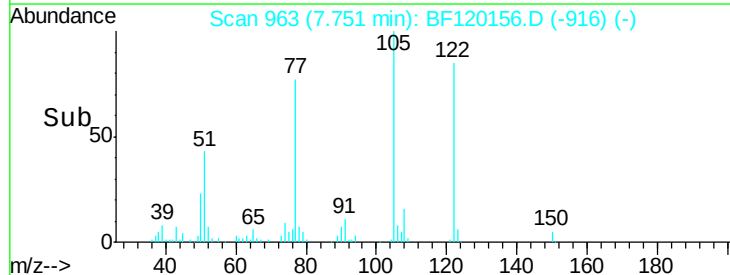
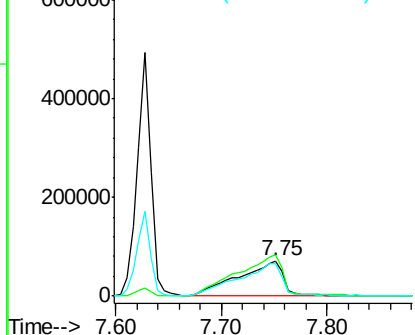


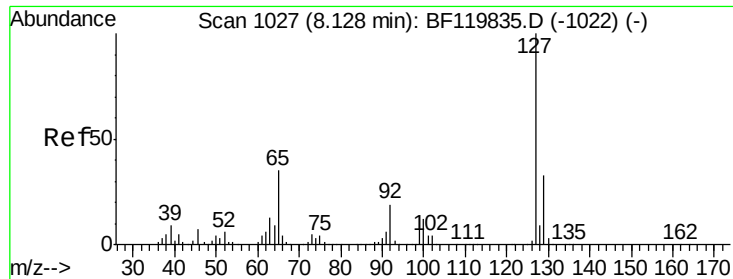
#32
Benzoic acid
Concen: 28.479 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.02 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:122 Resp: 204197
Ion Ratio Lower Upper
122 100
105 117.8 104.9 144.9
77 91.4 74.4 114.4



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

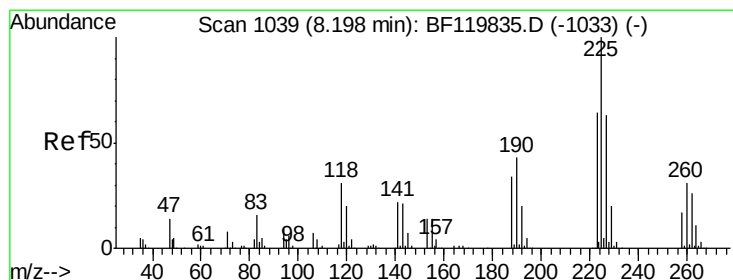
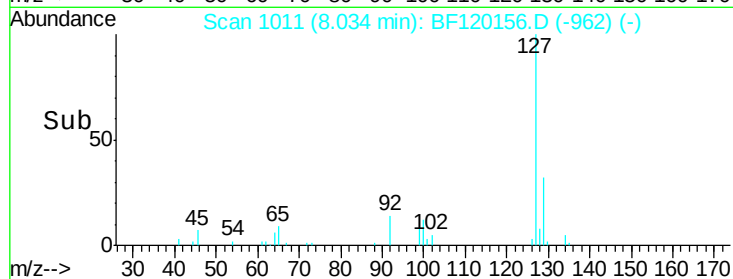
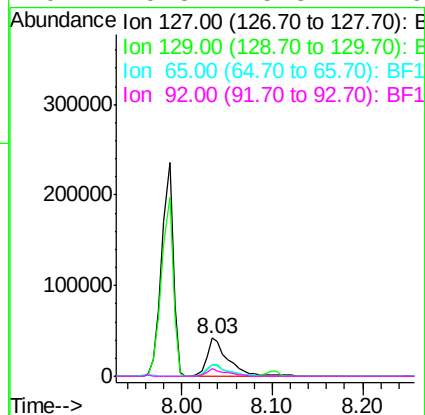
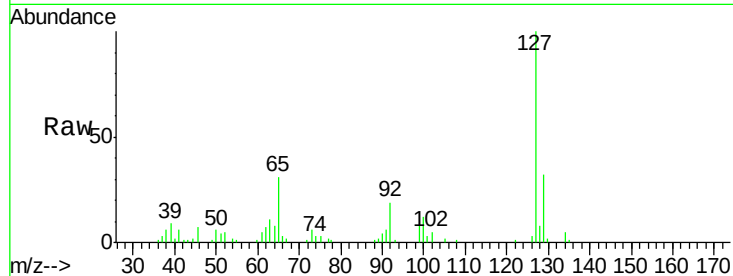




#33
4-Chloroaniline
Concen: 5.453 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

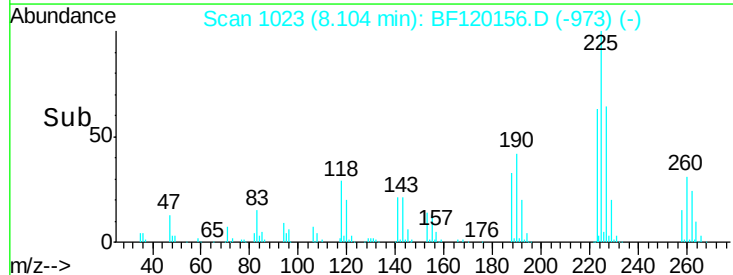
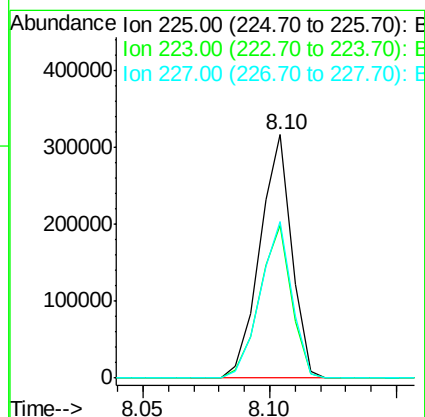
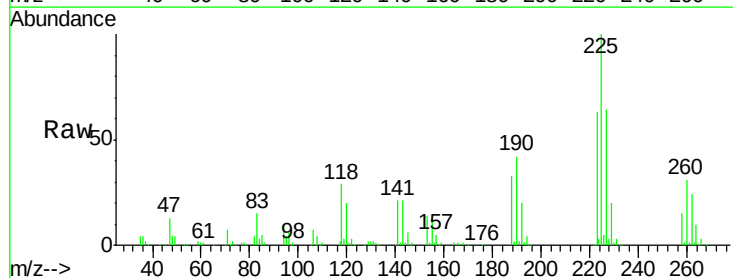
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

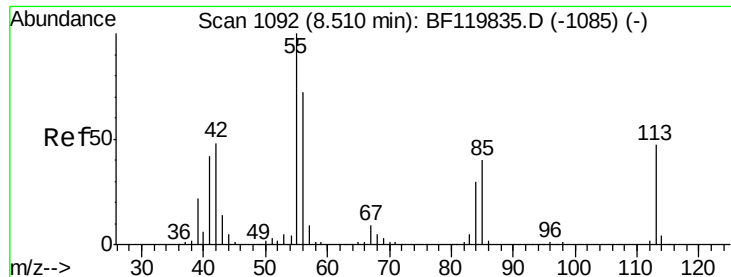
Tot Ion:	127	Resp:	69592
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	31.3	27.4	41.0
92	19.3	15.3	22.9



#34
Hexachlorobutadiene
Concen: 48.584 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:	225	Resp:	275762
Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.0	76.6
227	64.5	50.7	76.1

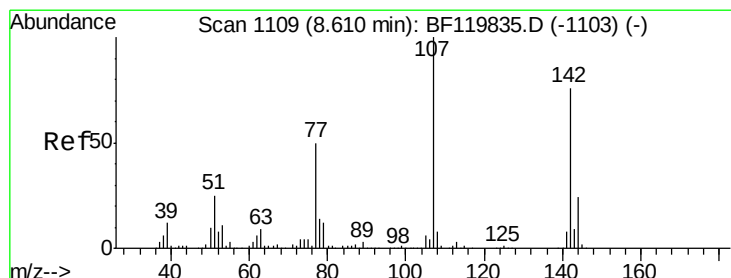
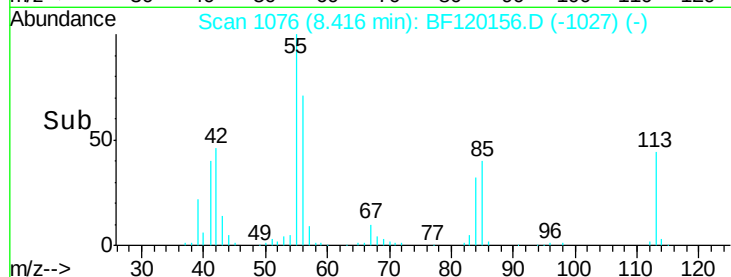
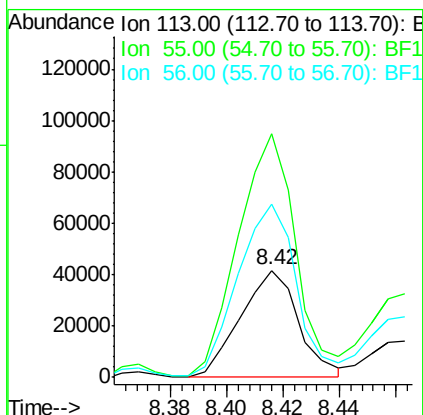
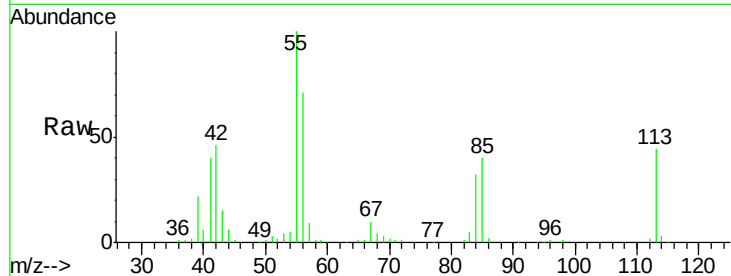




#35
 Caprolactam
 Concen: 23.298 ng
 RT: 8.42 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

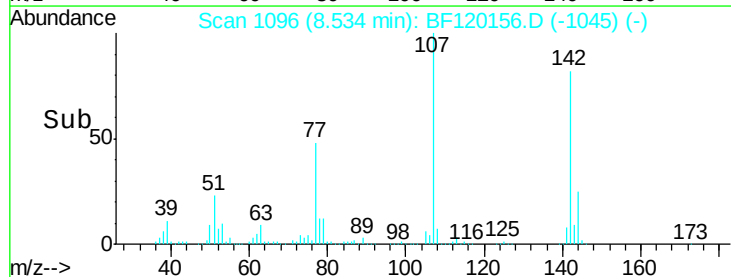
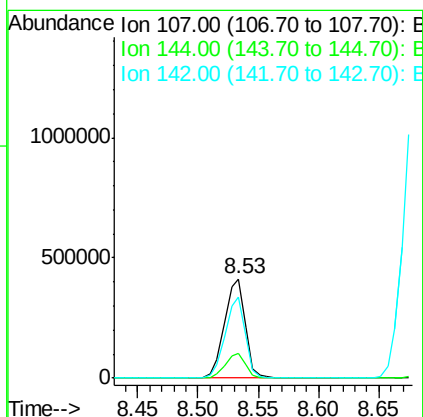
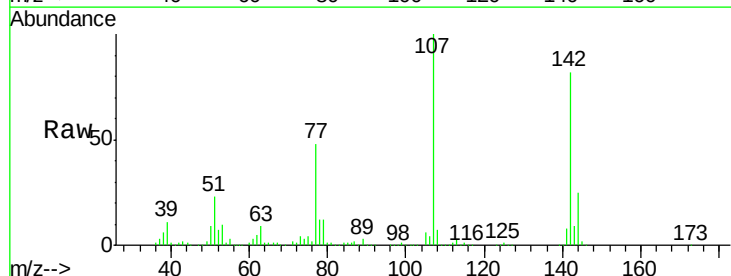
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

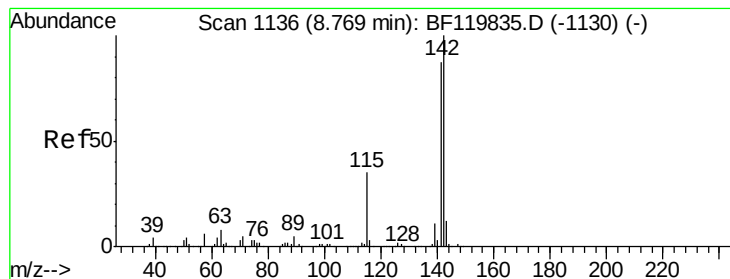
Tot Ion:113 Resp: 59639
 Ion Ratio Lower Upper
 113 100
 55 227.2 218.4 258.4
 56 161.8 148.9 188.9



#36
 4-Chloro-3-methylphenol
 Concen: 53.878 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:107 Resp: 488146
 Ion Ratio Lower Upper
 107 100
 144 25.5 21.0 31.6
 142 81.7 64.4 96.6





#37

2-Methylnaphthalene

Concen: 53.155 ng

RT: 8.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

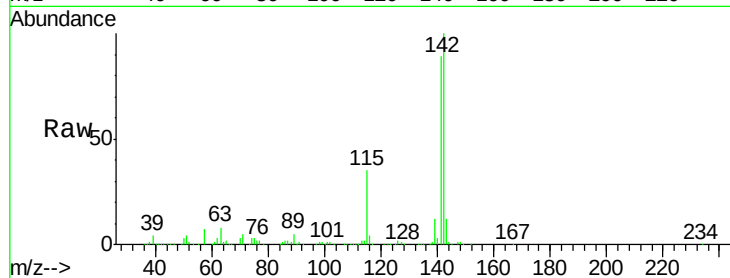
Tot Ion:142 Resp: 1056491

Ion Ratio Lower Upper

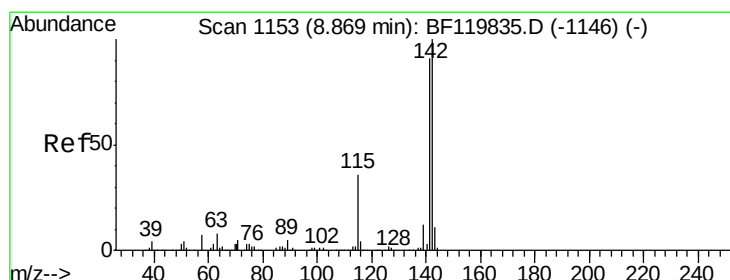
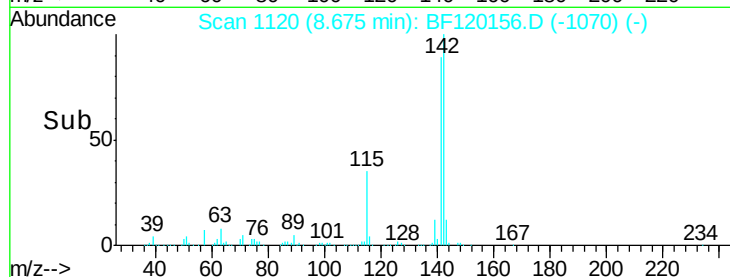
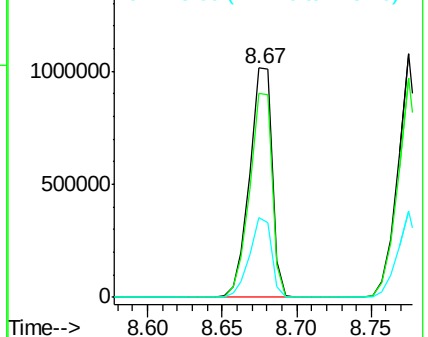
142 100

141 89.1 71.7 107.5

115 34.6 27.9 41.9



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: 53.804 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

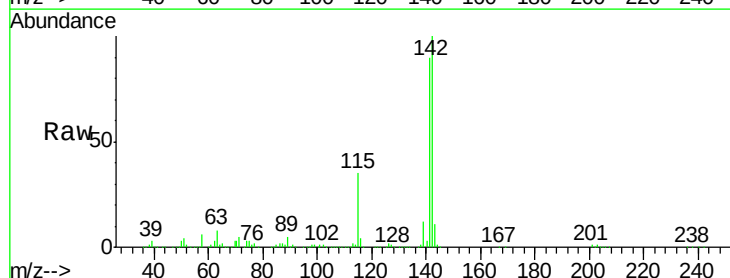
Tgt Ion:142 Resp: 1007946

Ion Ratio Lower Upper

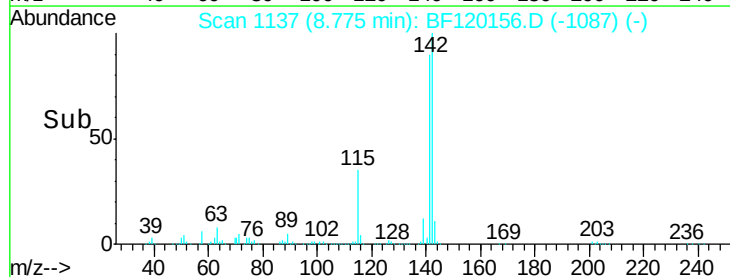
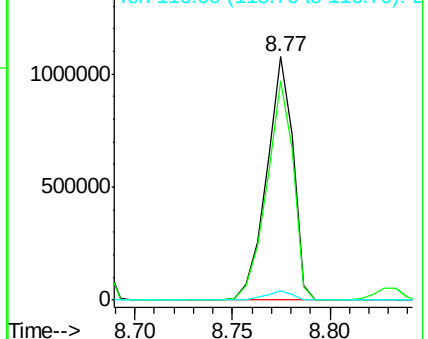
142 100

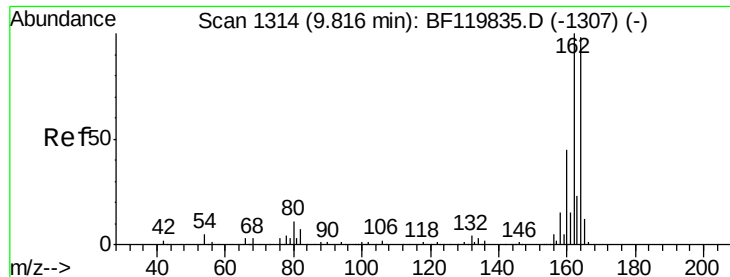
141 90.2 73.7 110.5

116 3.6 3.0 4.6



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

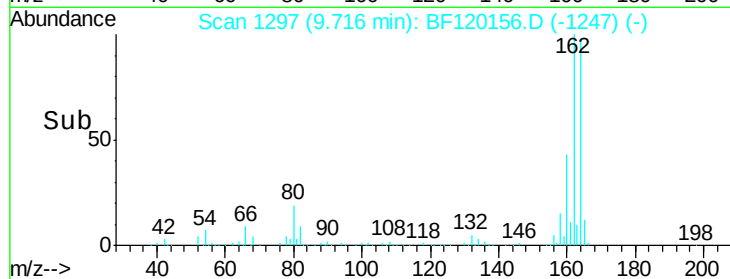
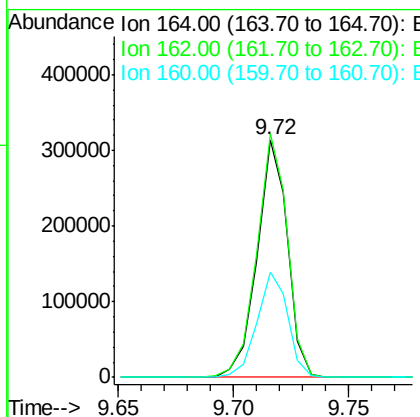
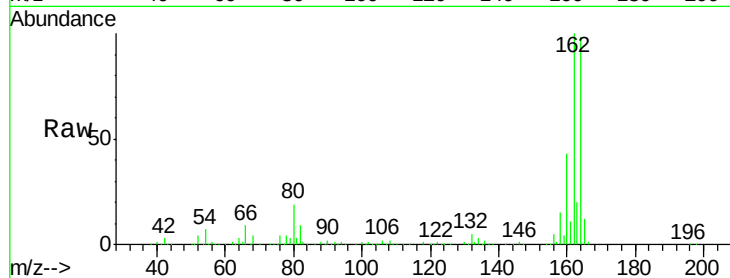




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

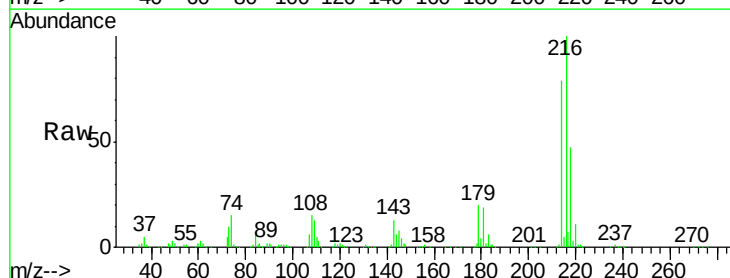
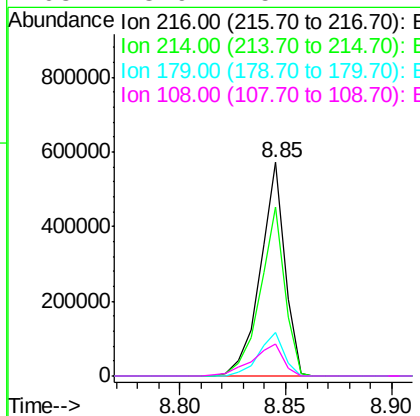
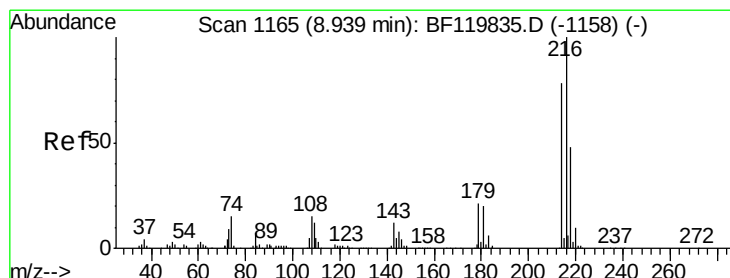
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

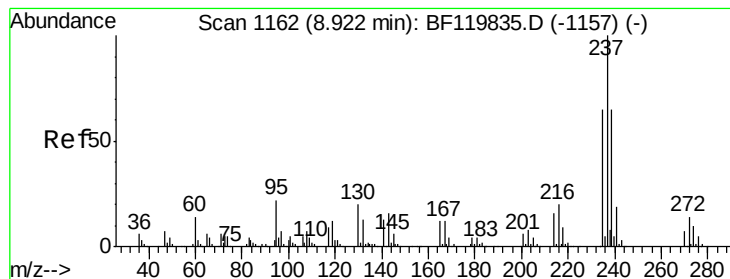
Tot Ion:164 Resp: 286533
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.6 121.0
 160 44.4 35.7 53.5



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.163 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:216 Resp: 463019
 Ion Ratio Lower Upper
 216 100
 214 79.5 63.2 94.8
 179 21.0 17.1 25.7
 108 18.9 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 86.193 ng

RT: 8.83 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

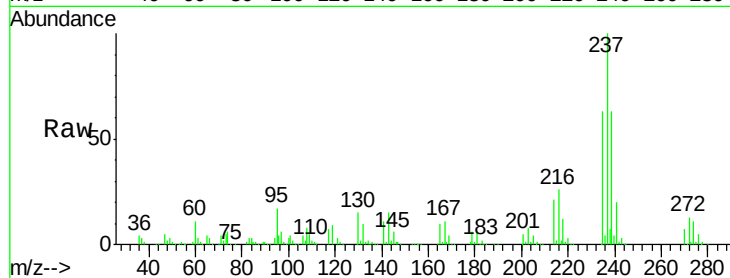
Tot Ion:237 Resp: 443563

Ion Ratio Lower Upper

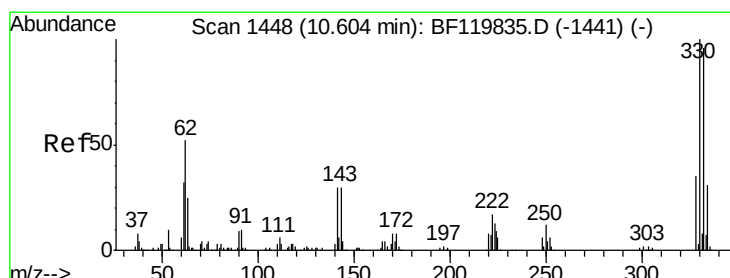
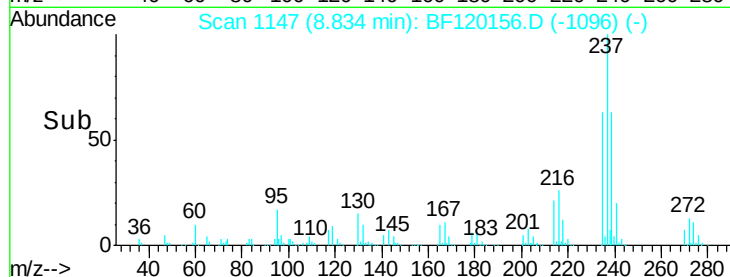
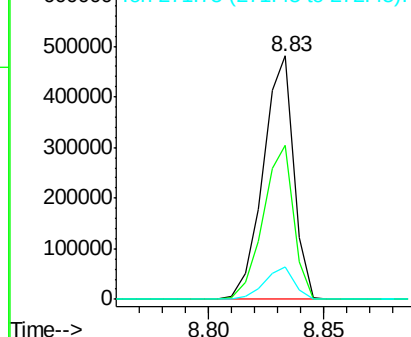
237 100

235 63.2 43.2 83.2

272 13.4 0.0 34.1



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: 132.928 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

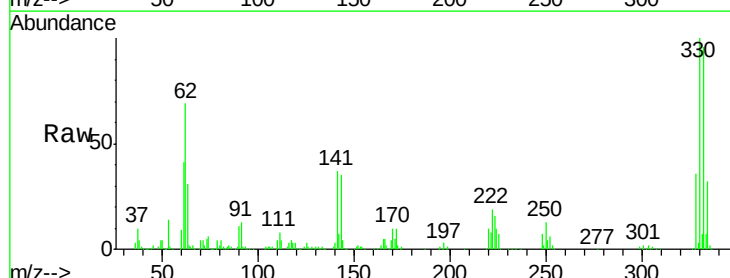
Tgt Ion:330 Resp: 466328

Ion Ratio Lower Upper

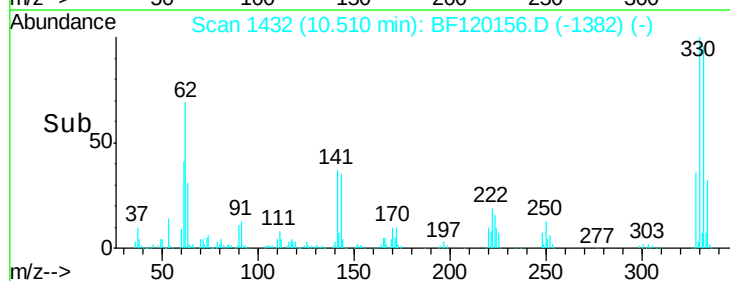
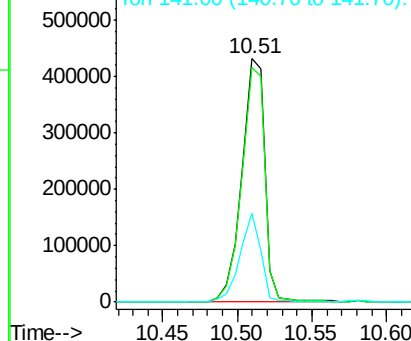
330 100

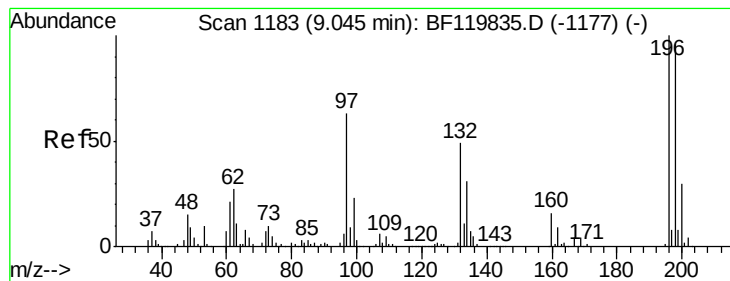
332 97.0 75.7 113.5

141 33.3 25.4 38.0



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: 51.865 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

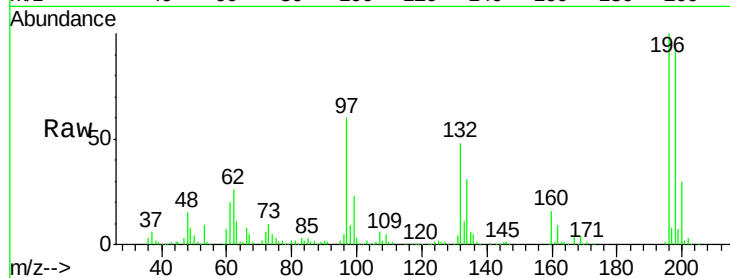
Tot Ion:196 Resp: 324126

Ion Ratio Lower Upper

196 100

198 93.5 76.6 115.0

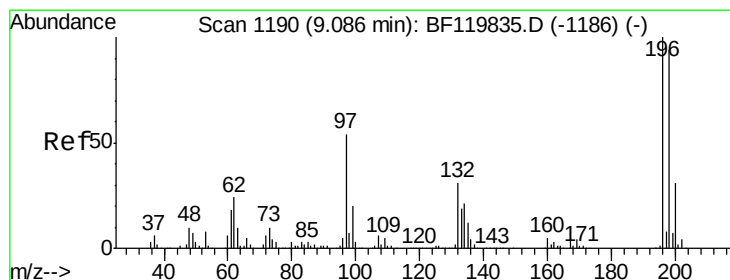
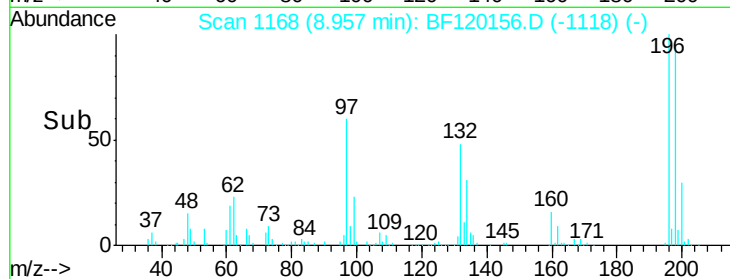
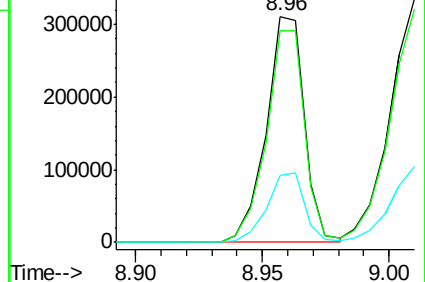
200 29.6 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 48.835 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Tgt Ion:196 Resp: 343736

Ion Ratio Lower Upper

196 100

198 96.1 73.8 110.8

97 47.4 42.6 63.8

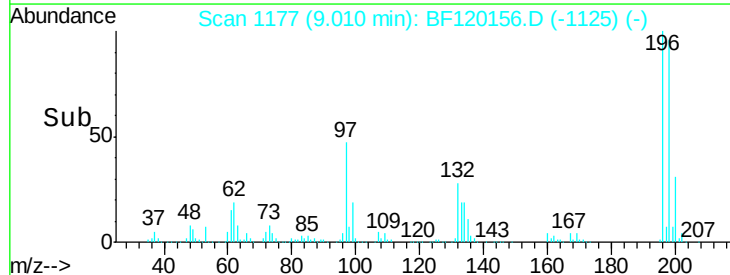
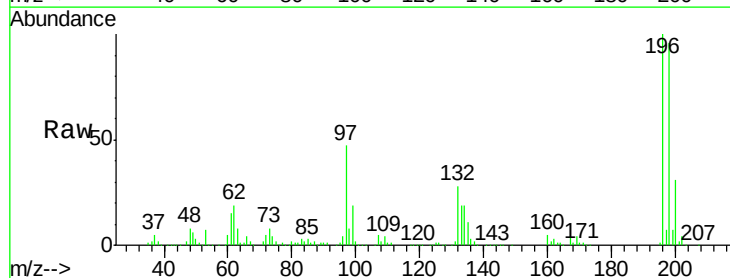
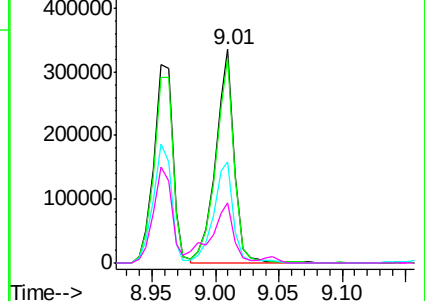
132 28.4 24.0 36.0

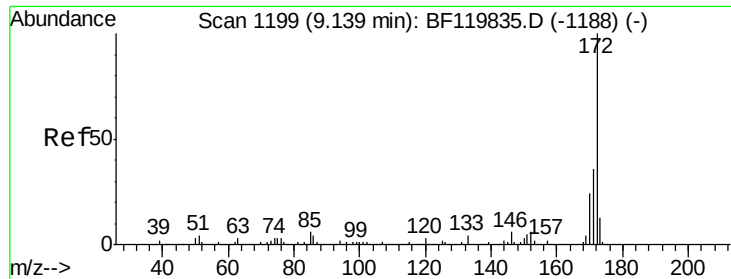
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

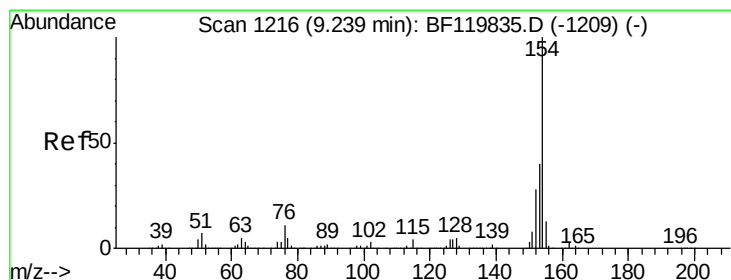
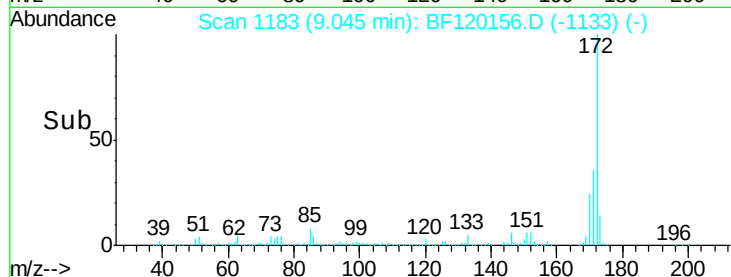
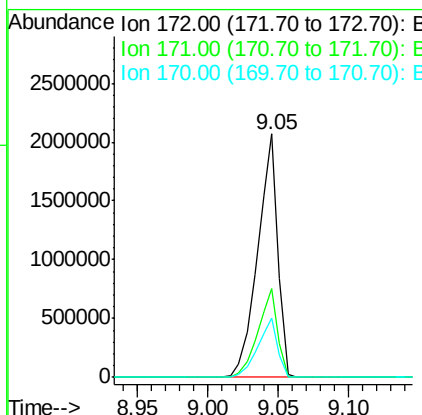
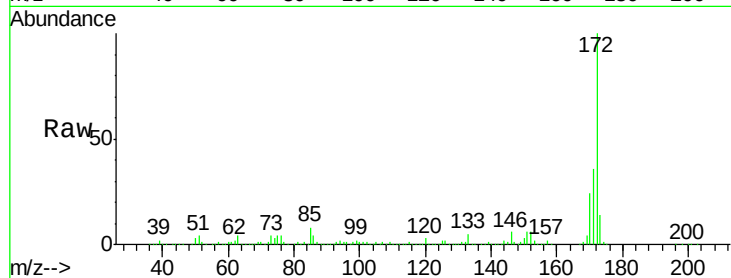




#45
2-Fluorobiphenyl
Concen: 102.603 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

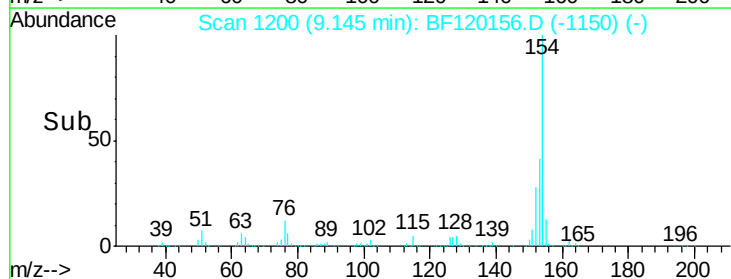
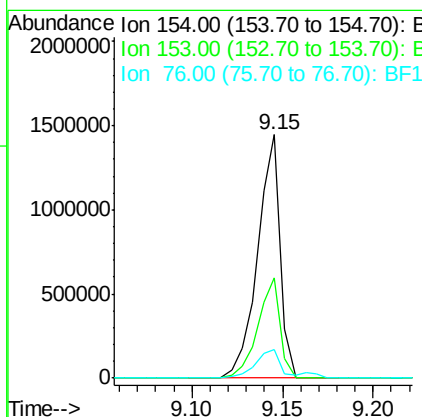
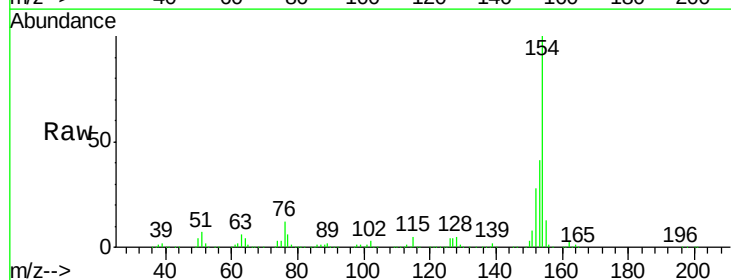
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

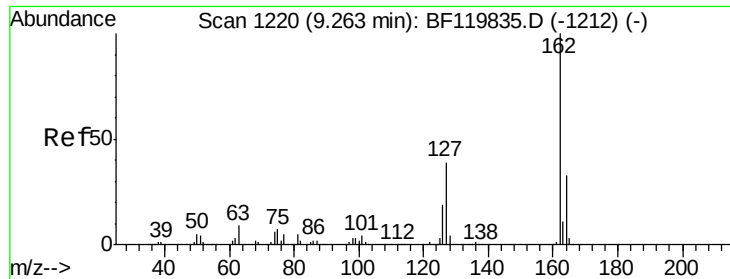
Tot Ion:172 Resp: 2070683
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.2 20.2 30.2



#46
1,1'-Biphenyl
Concen: 51.739 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:154 Resp: 1251311
Ion Ratio Lower Upper
154 100
153 40.9 21.4 61.4
76 11.8 0.0 33.0

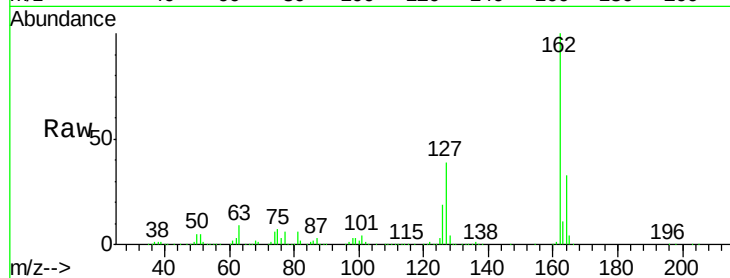




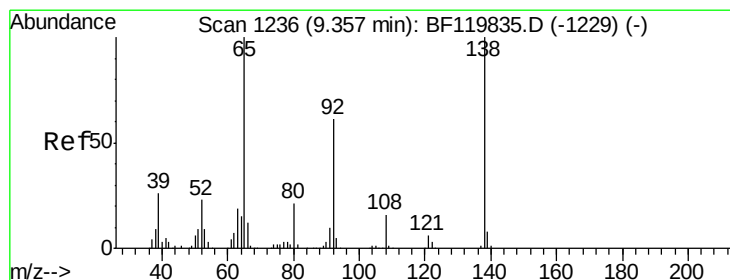
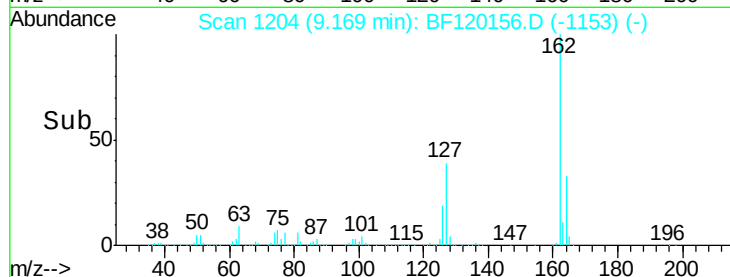
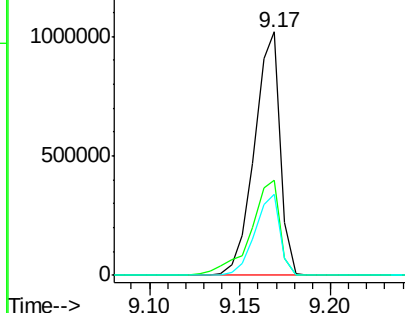
#47
 2-Chloronaphthalene
 Concen: 53.737 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

Tot Ion:162 Resp: 1001167
 Ion Ratio Lower Upper
 162 100
 127 39.1 33.7 50.5
 164 33.1 26.3 39.5

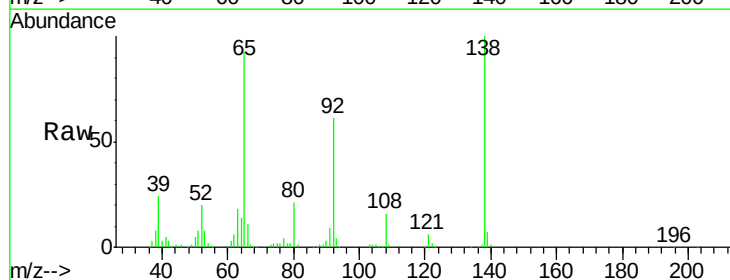


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

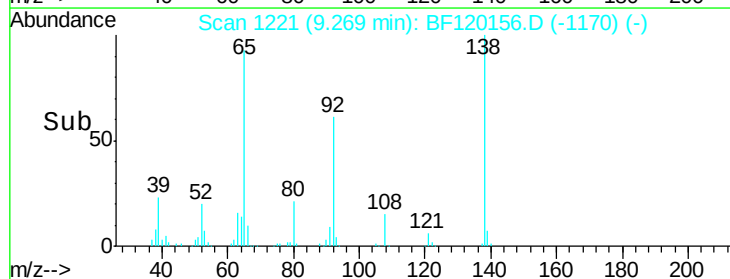
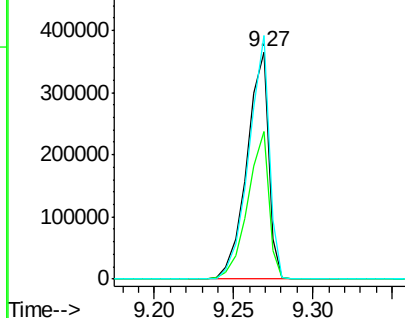


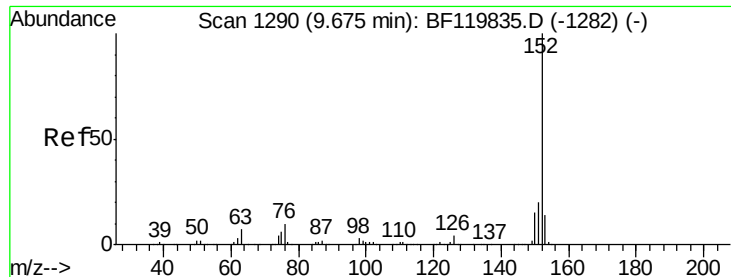
#48
 2-Nitroaniline
 Concen: 51.267 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion: 65 Resp: 346130
 Ion Ratio Lower Upper
 65 100
 92 64.8 50.0 75.0
 138 107.0 75.0 112.4



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: 53.958 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

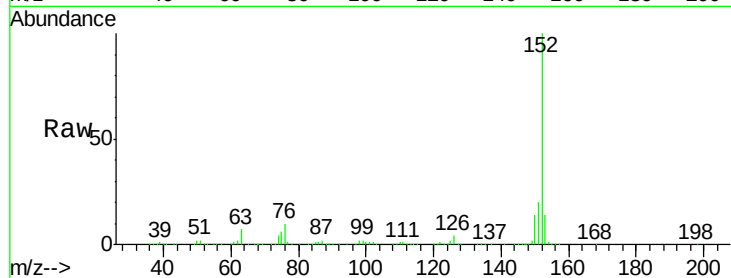
Tot Ion:152 Resp: 1528855

Ion Ratio Lower Upper

152 100

151 20.2 17.2 25.8

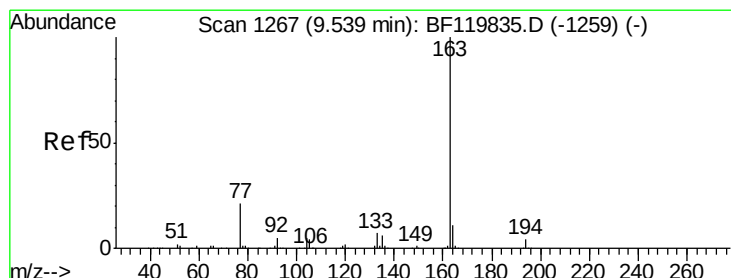
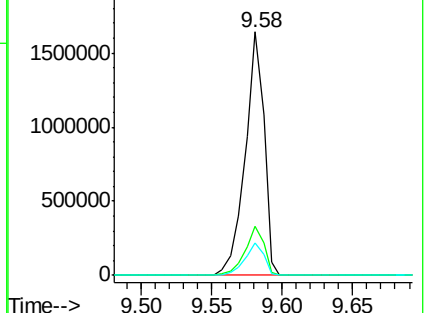
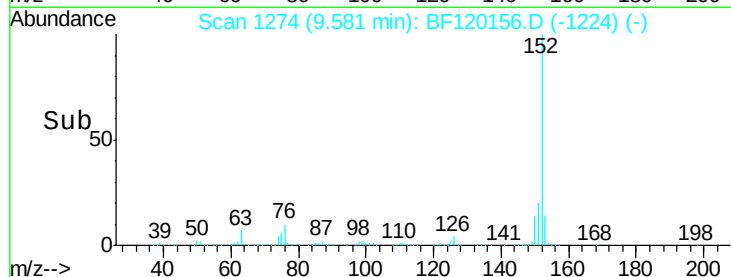
153 13.5 11.2 16.8



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: 56.556 ng

RT: 9.46 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

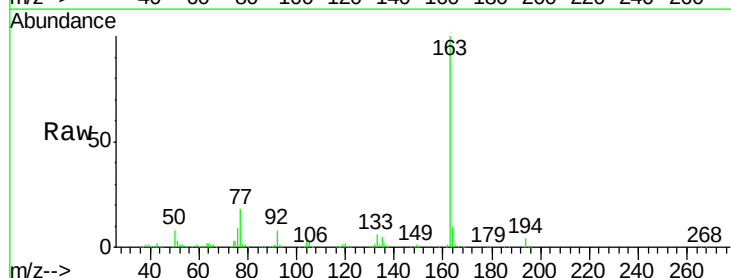
Tgt Ion:163 Resp: 1253446

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

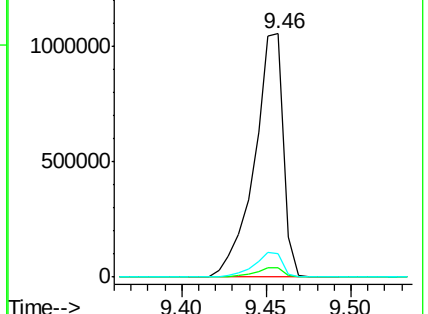
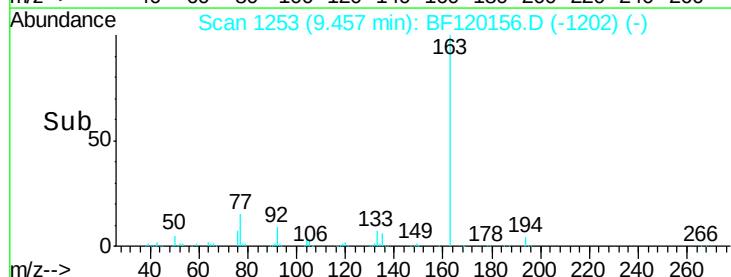
164 9.7 8.2 12.2

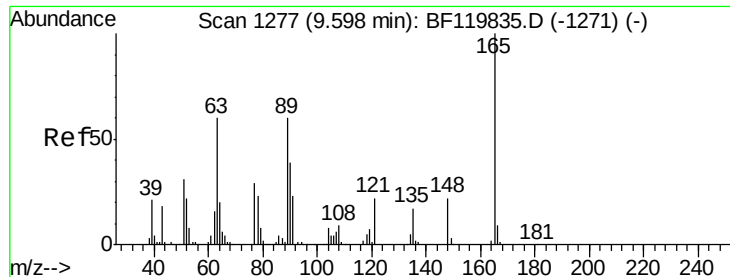


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

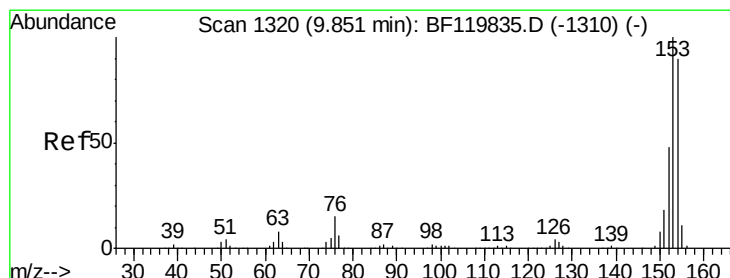
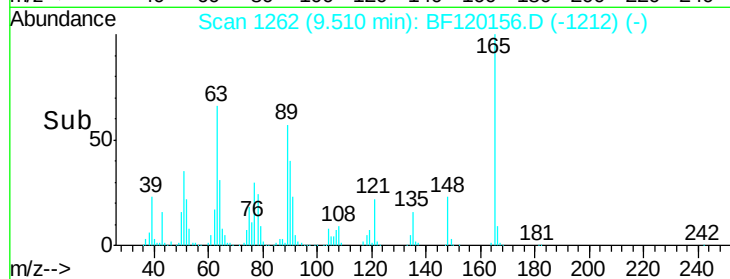
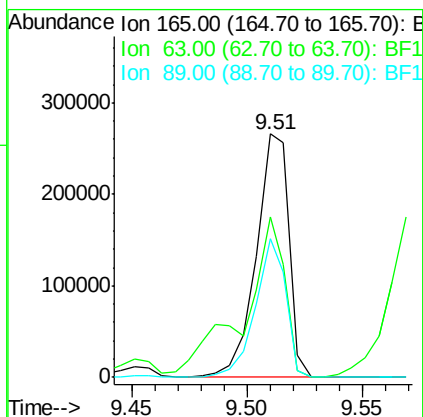
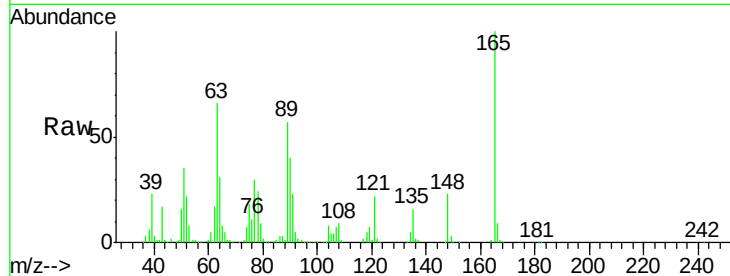




#51
 2,6-Dinitrotoluene
 Concen: 54.241 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

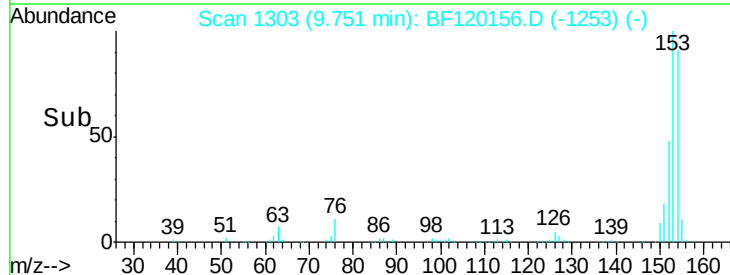
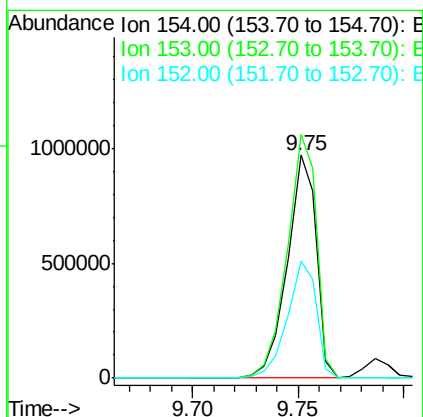
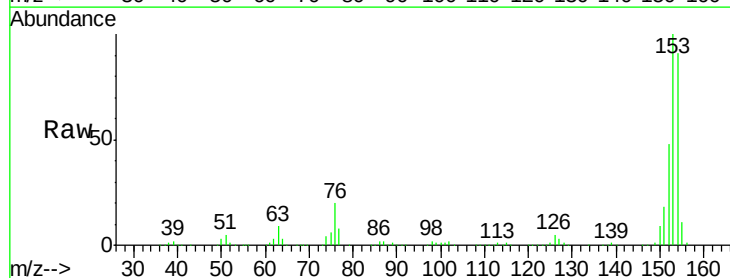
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

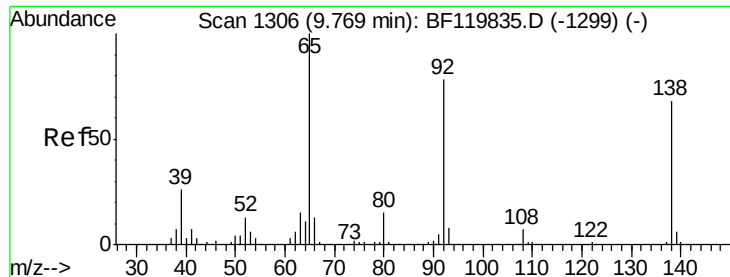
Tot Ion	Ratio	Lower	Upper
165	100		
63	66.1	45.0	67.4
89	56.7	41.5	62.3



#52
 Acenaphthene
 Concen: 49.297 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.4	88.1	132.1
152	52.5	43.0	64.4

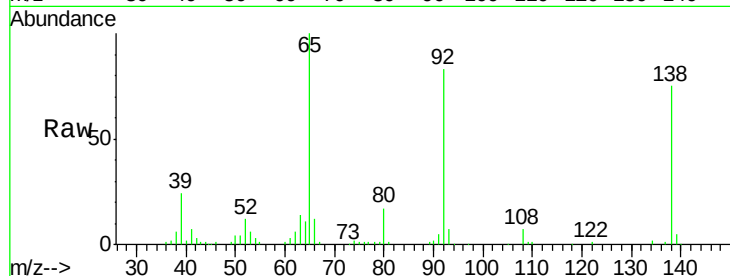




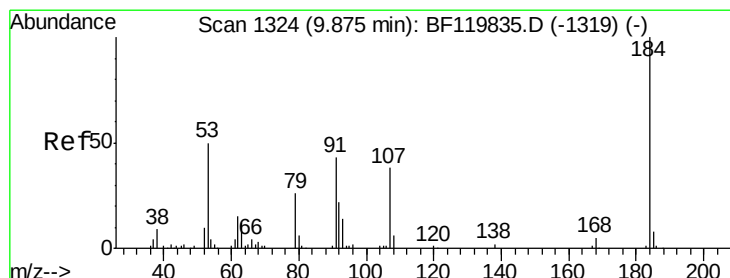
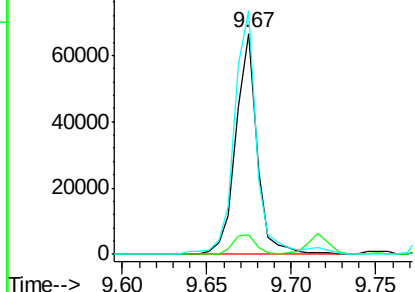
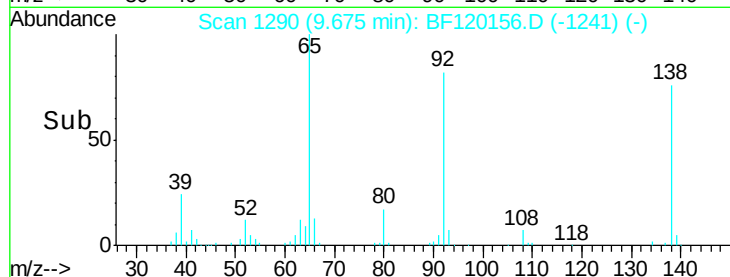
#53
 3-Nitroaniline
 Concen: 10.482 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

Tot Ion:138 Resp: 58100
 Ion Ratio Lower Upper
 138 100
 108 9.1 8.6 13.0
 92 110.4 95.4 143.0

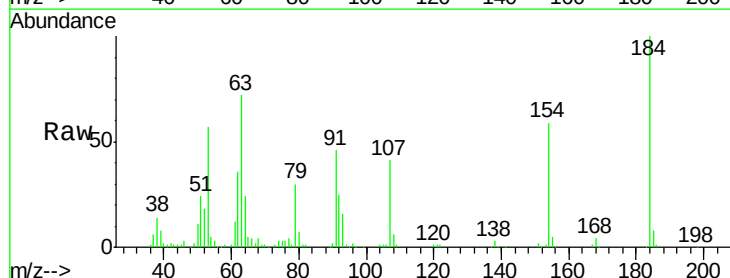


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

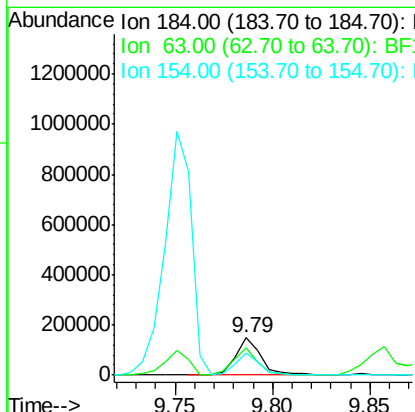
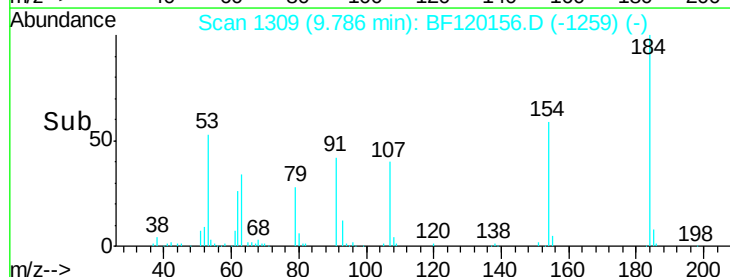


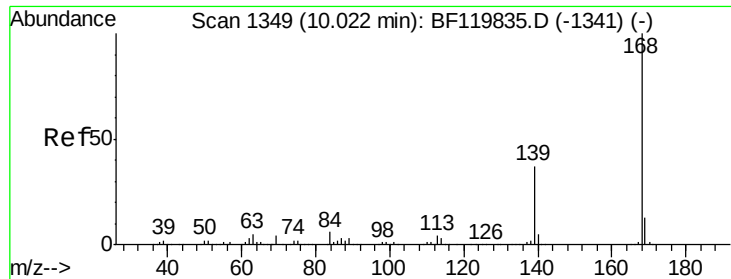
#54
 2,4-Dinitrophenol
 Concen: 46.567 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:184 Resp: 135310
 Ion Ratio Lower Upper
 184 100
 63 72.4 50.2 75.4
 154 59.1 44.5 66.7



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

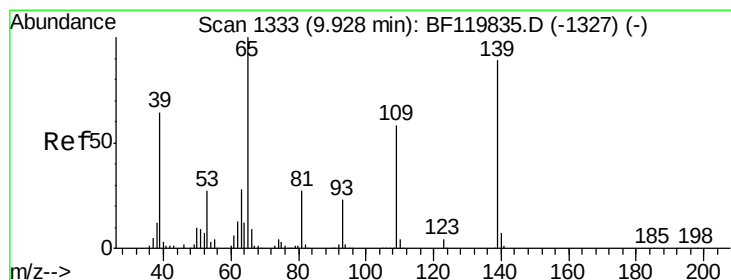
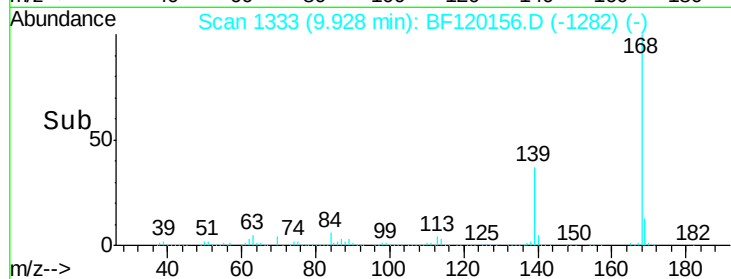
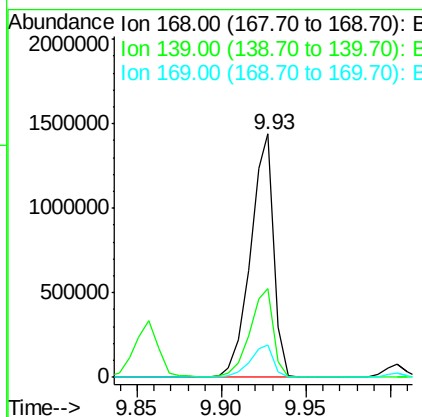
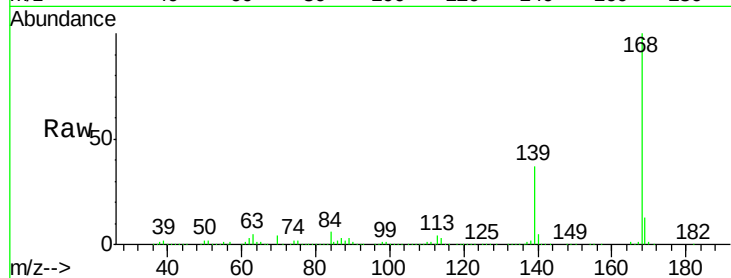




#55
Dibenzofuran
Concen: 53.024 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

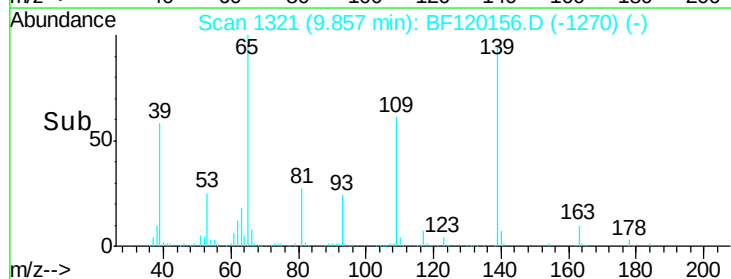
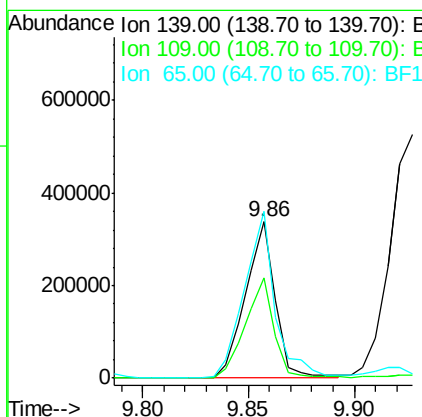
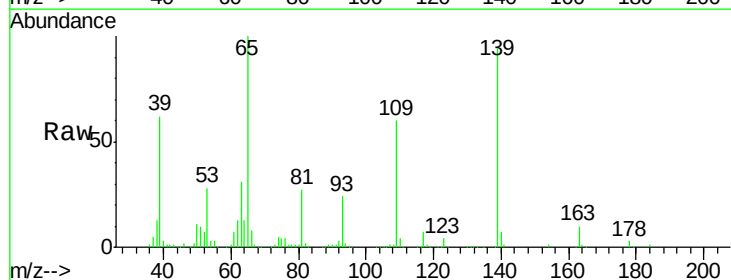
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

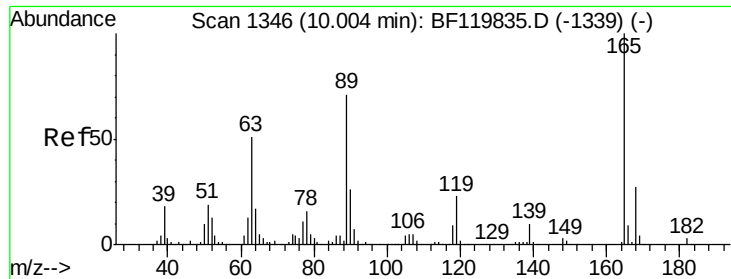
Tot Ion:168 Resp: 1375247
Ion Ratio Lower Upper
168 100
139 36.5 30.1 45.1
169 13.3 11.0 16.6



#56
4-Nitrophenol
Concen: 79.914 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:139 Resp: 329584
Ion Ratio Lower Upper
139 100
109 64.2 43.3 83.3
65 106.6 91.0 131.0

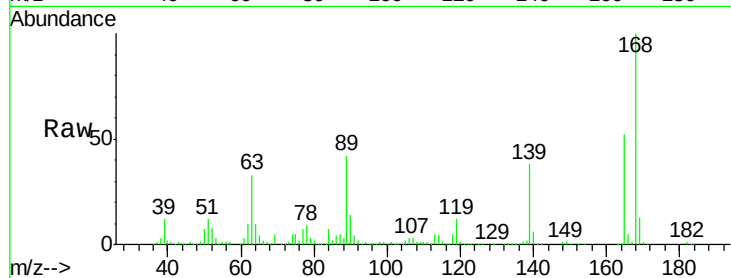




#57
 2,4-Dinitrotoluene
 Concen: 52.374 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	63.5	42.6	64.0
89	80.7	61.0	91.4
182	2.8	2.2	3.2

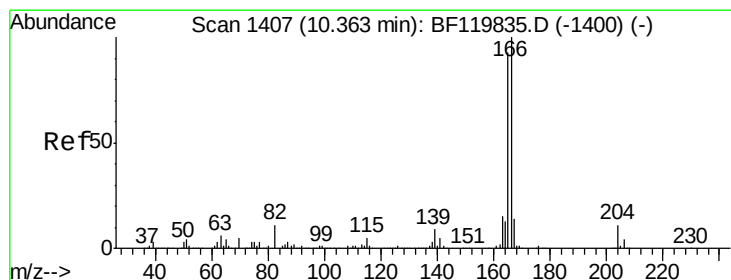
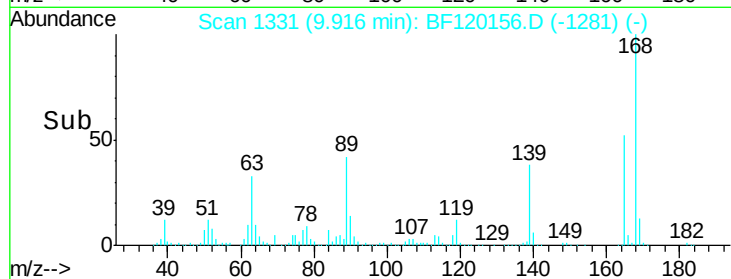
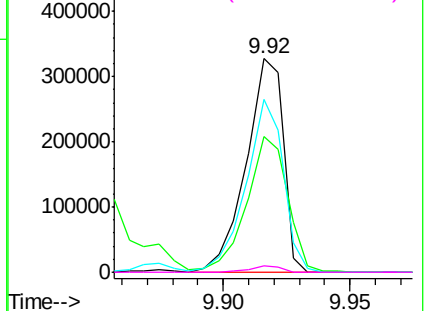


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

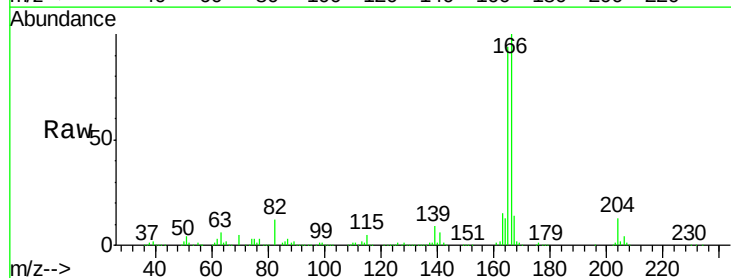
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 52.180 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

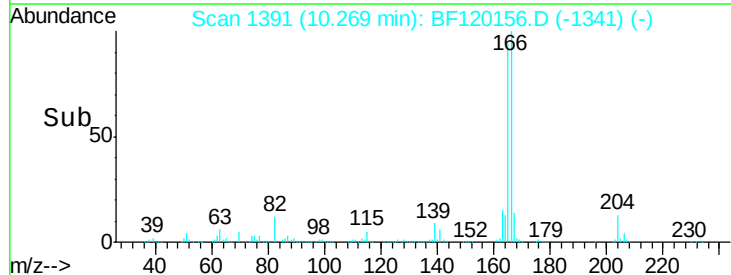
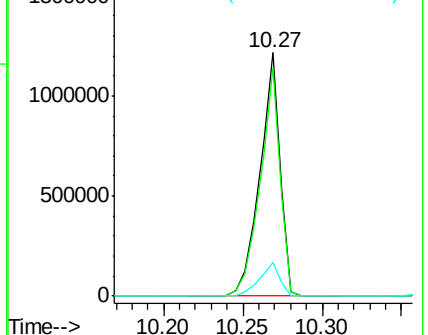
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.4	113.2
167	13.8	11.2	16.8

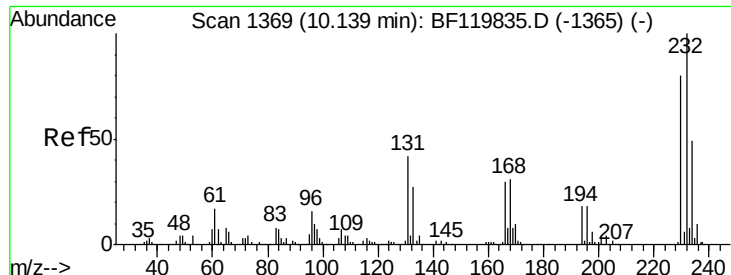


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

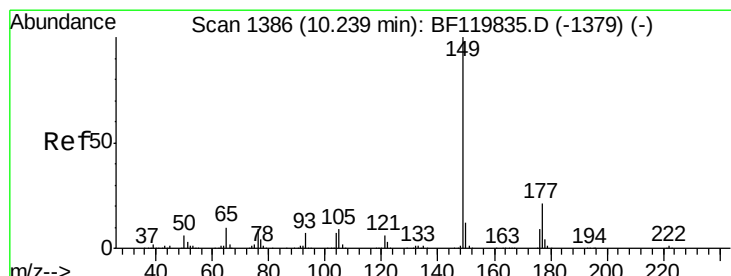
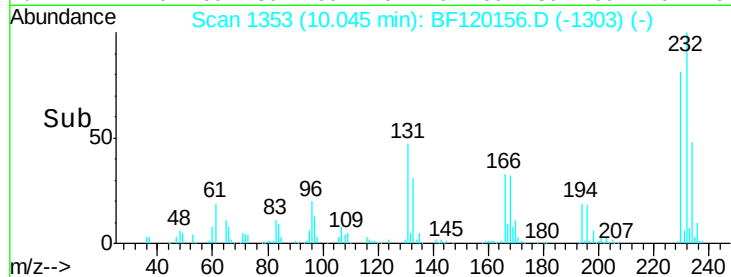
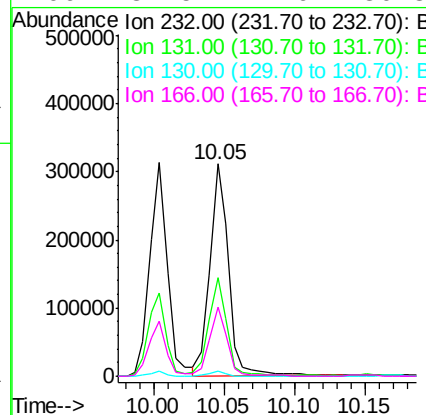
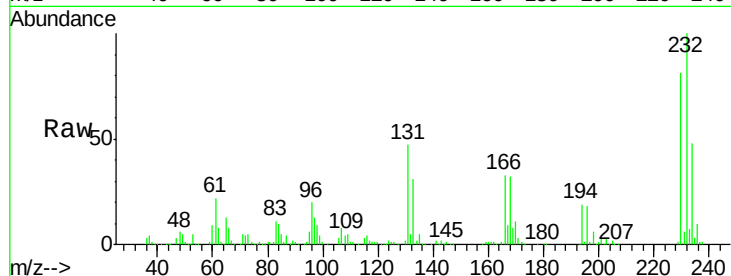




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.467 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

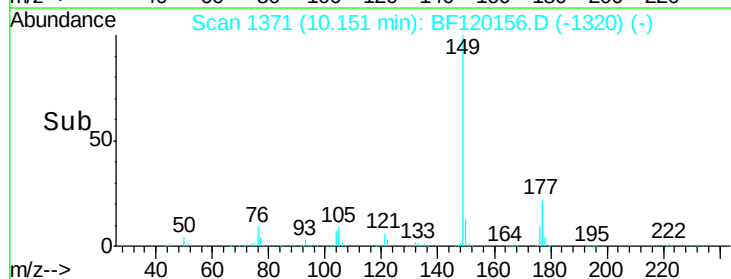
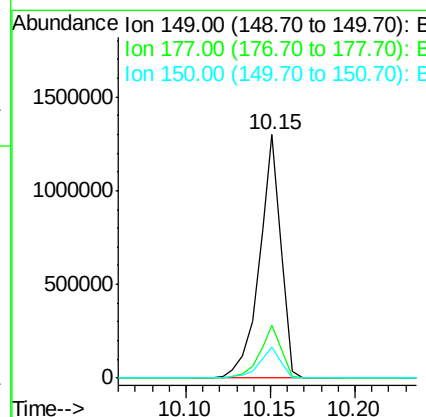
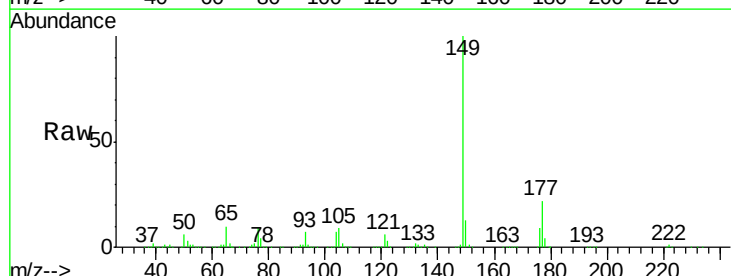
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

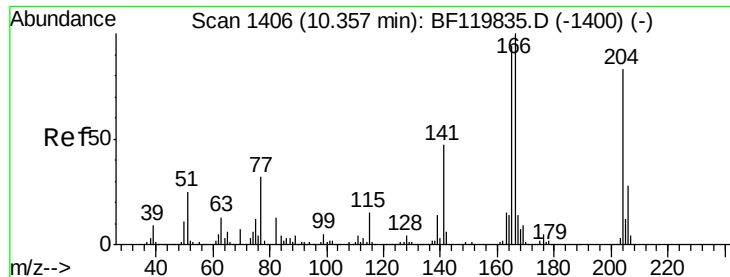
Tot Ion:	232	Resp:	282446
Ion	Ratio	Lower	Upper
232	100		
131	46.5	37.5	56.3
130	2.2	1.8	2.6
166	31.5	24.6	36.8



#60
 Diethylphthalate
 Concen: 49.909 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:	149	Resp:	1146429
Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.0	25.6
150	13.0	10.1	15.1

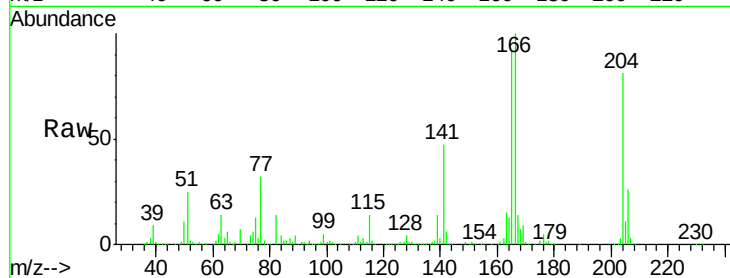




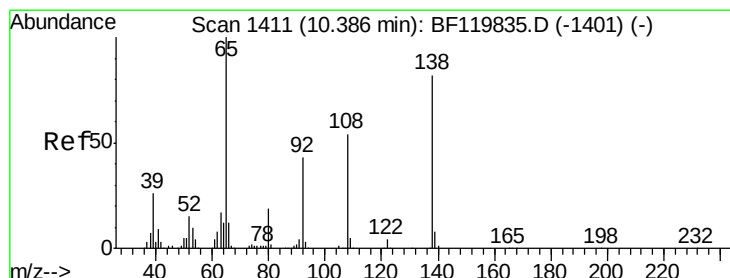
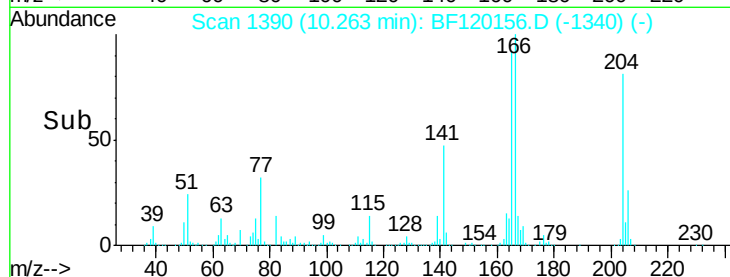
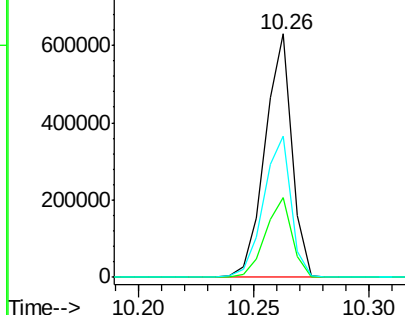
#61
4-Chlorophenyl-phenylether
Concen: 47.844 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:204 Resp: 508644
Ion Ratio Lower Upper
204 100
206 32.6 26.7 40.1
141 57.8 47.3 70.9

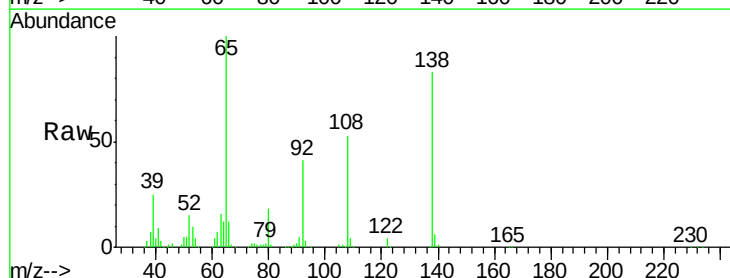


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

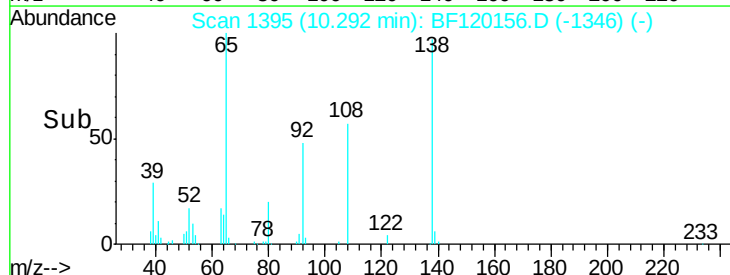
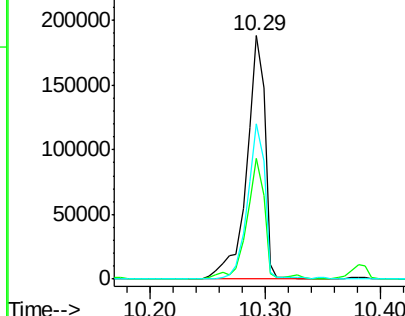


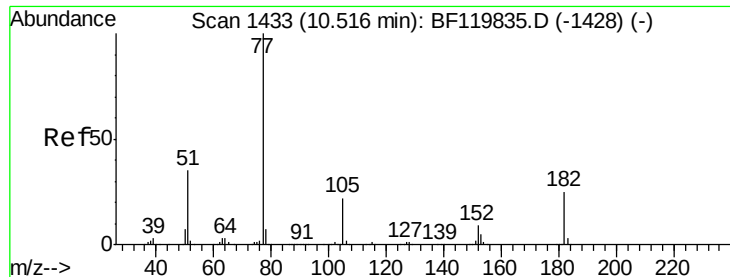
#62
4-Nitroaniline
Concen: 39.043 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:138 Resp: 206244
Ion Ratio Lower Upper
138 100
92 49.8 31.5 71.5
108 64.0 45.8 85.8



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: 52.816 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

Tot Ion: 77 Resp: 1087252

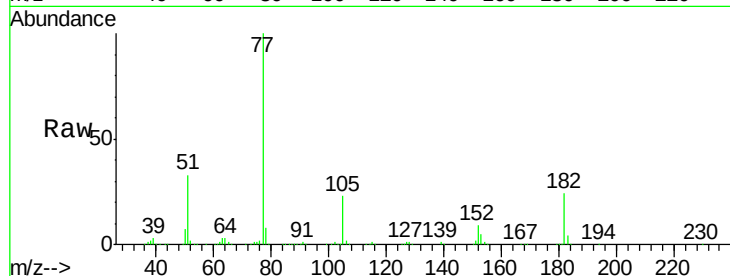
Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.4	44.4
105	22.8	2.6	42.6
51	32.8	15.1	55.1

77 100

182 24.4 4.4 44.4

105 22.8 2.6 42.6

51 32.8 15.1 55.1

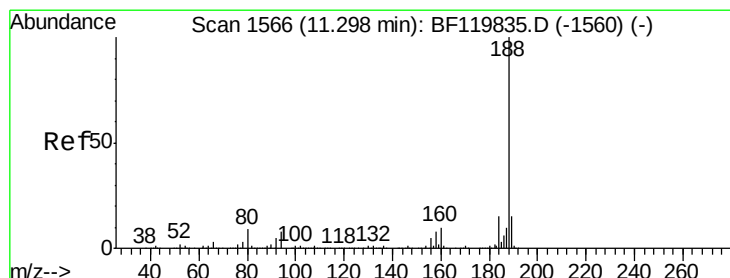
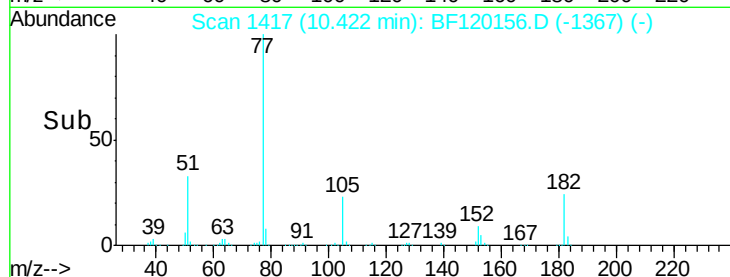
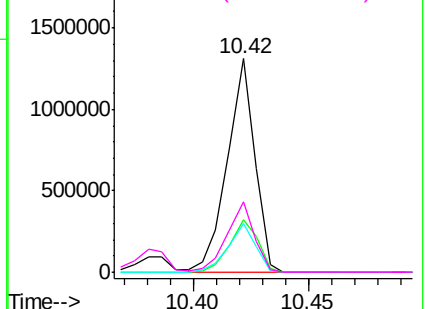


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

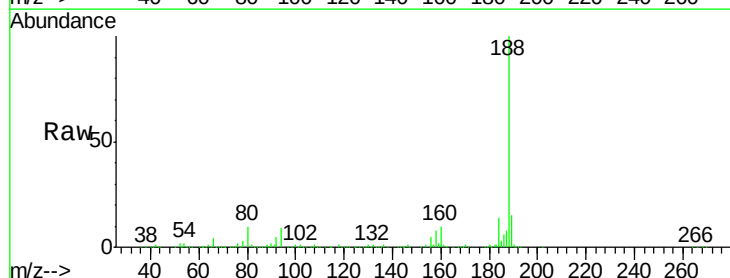
Tgt Ion: 188 Resp: 544296

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.0	9.0	13.4

188 100

94 9.4 7.5 11.3

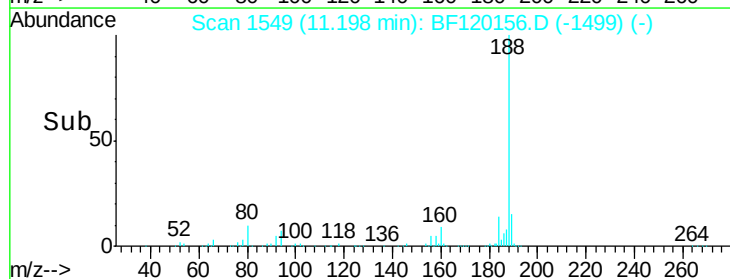
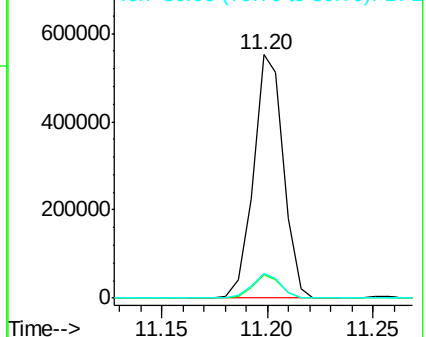
80 10.0 9.0 13.4

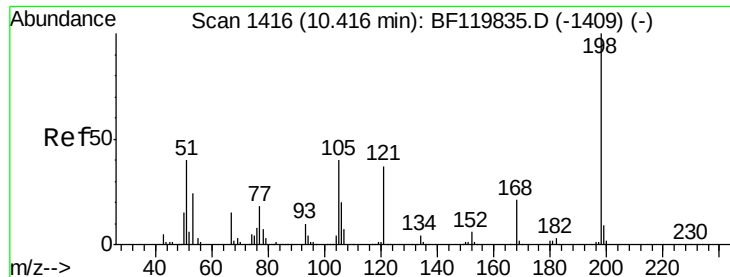


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

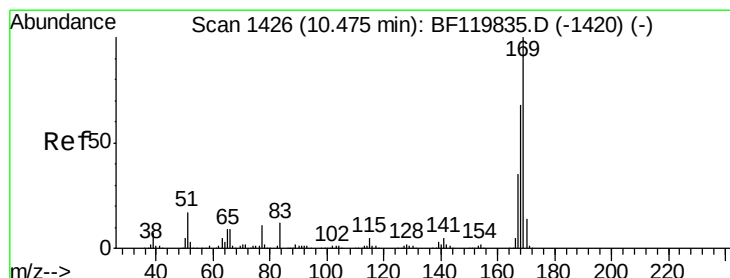
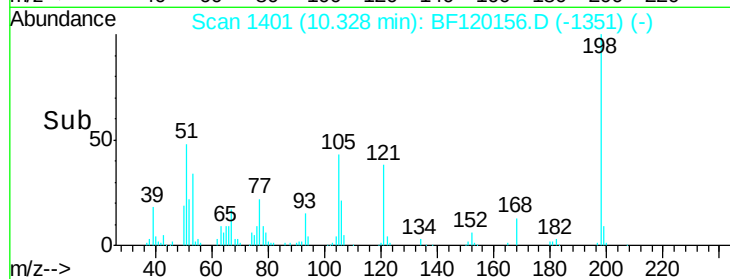
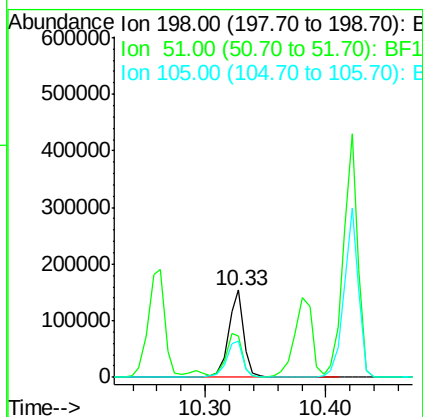
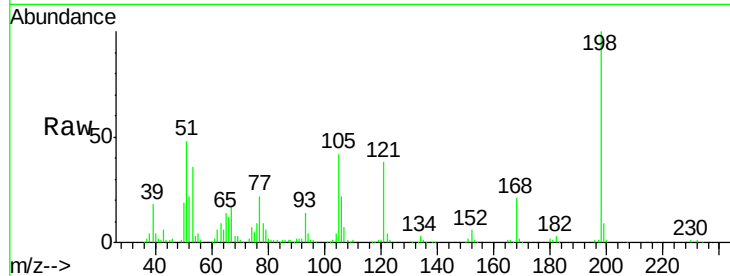




#65
 4,6-Dinitro-2-methylphenol
 Concen: 37.240 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

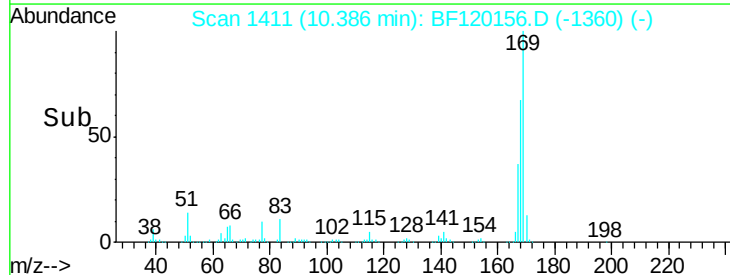
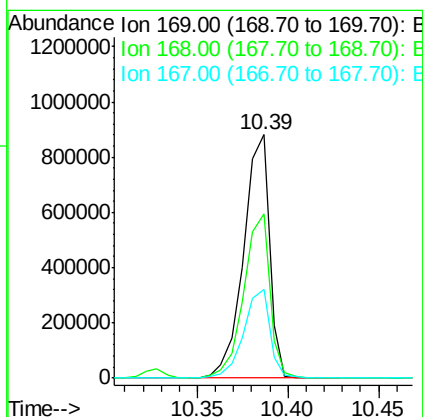
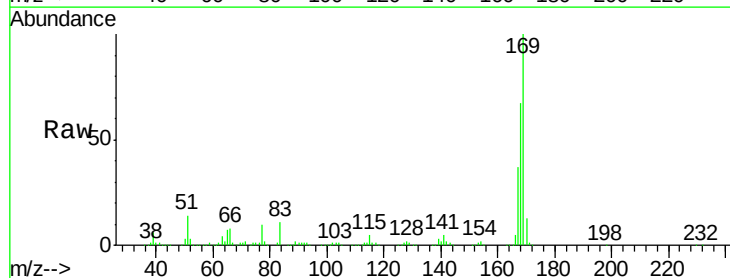
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

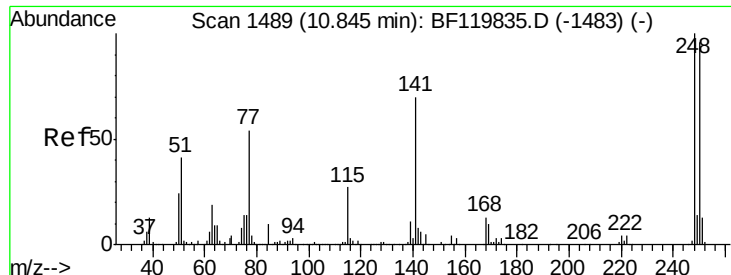
Tot Ion	198	Resp	133537
Ion Ratio	100	Lower	Upper
51	47.6	29.0	69.0
105	42.1	22.2	62.2



#66
 n-Nitrosodiphenylamine
 Concen: 48.411 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion	169	Resp	876316
Ion Ratio	100	Lower	Upper
168	67.3	53.2	79.8
167	36.7	29.1	43.7

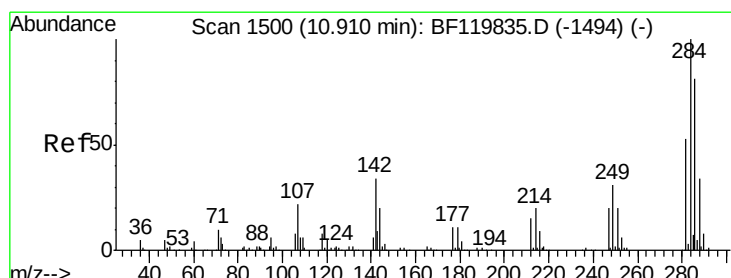
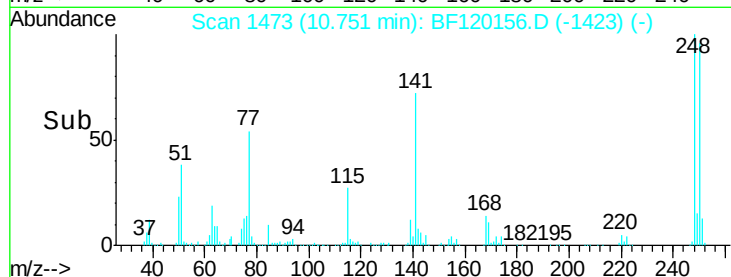
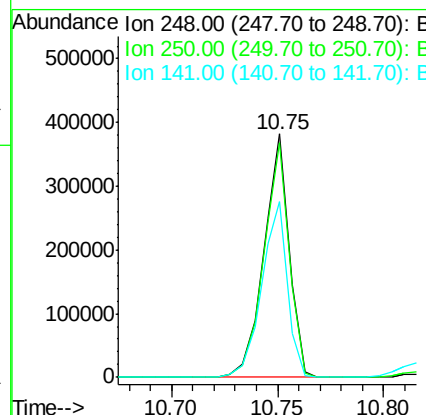
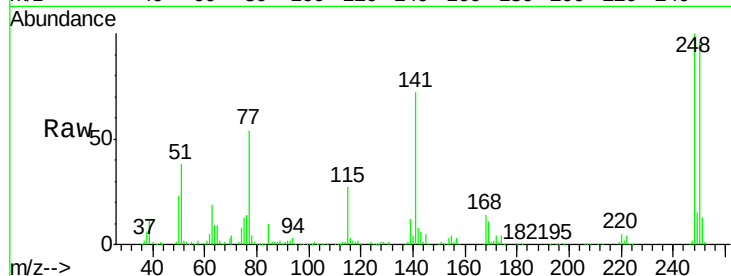




#67
 4-Bromophenyl-phenylether
 Concen: 46.970 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

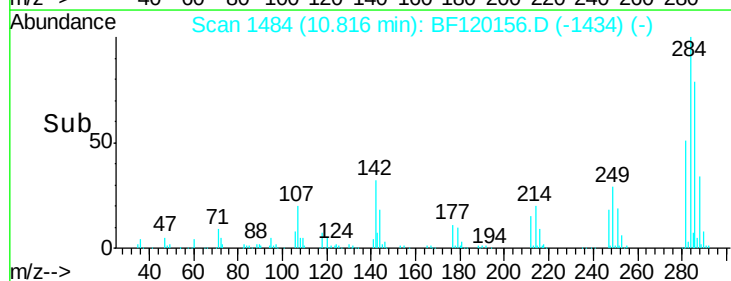
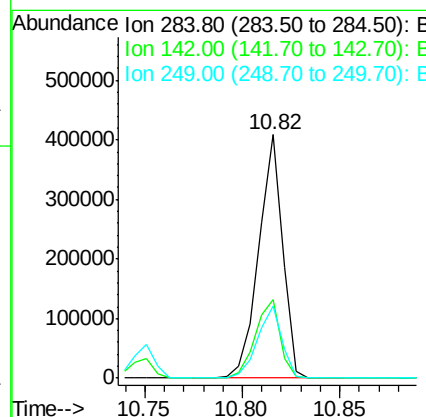
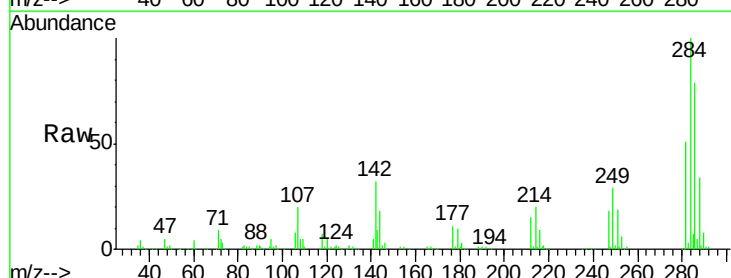
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

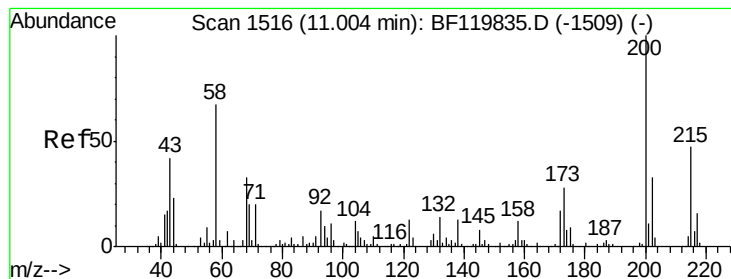
Tot Ion:248 Resp: 317935
 Ion Ratio Lower Upper
 248 100
 250 96.5 77.3 115.9
 141 72.2 58.6 87.8



#68
 Hexachlorobenzene
 Concen: 50.443 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:284 Resp: 346376
 Ion Ratio Lower Upper
 284 100
 142 32.2 29.2 43.8
 249 29.4 25.1 37.7

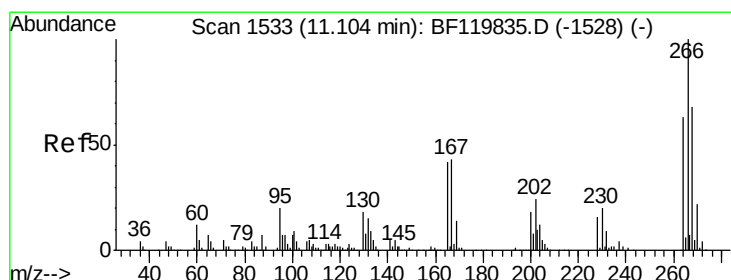
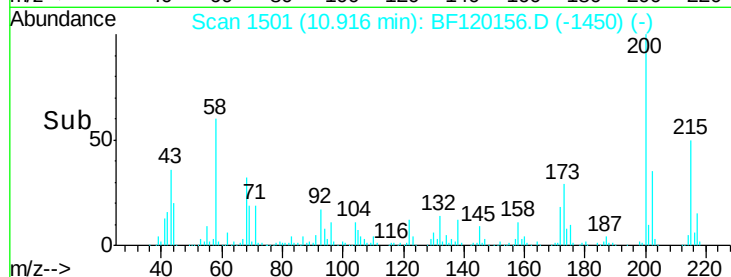
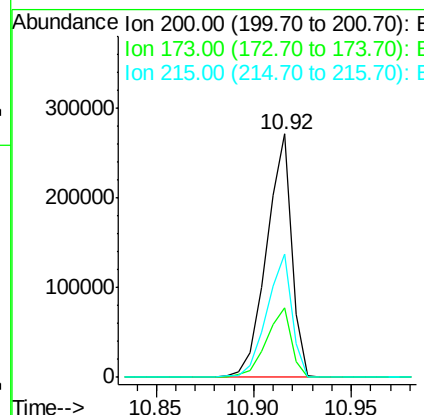
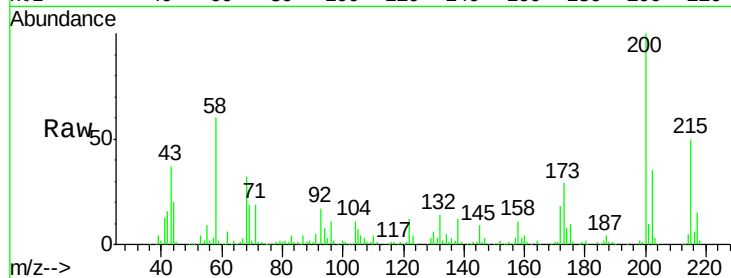




#69
 Atrazine
 Concen: 47.874 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

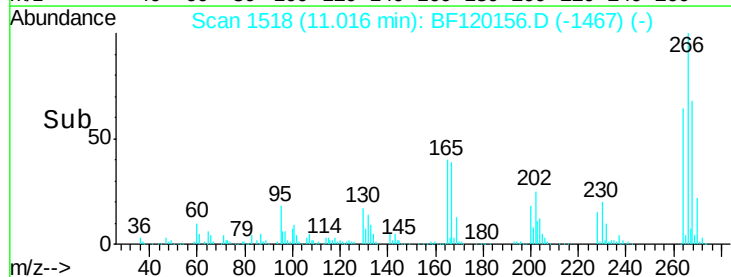
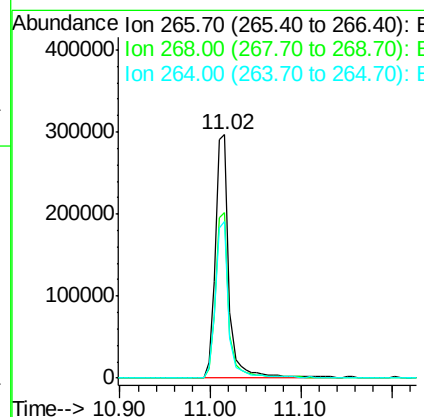
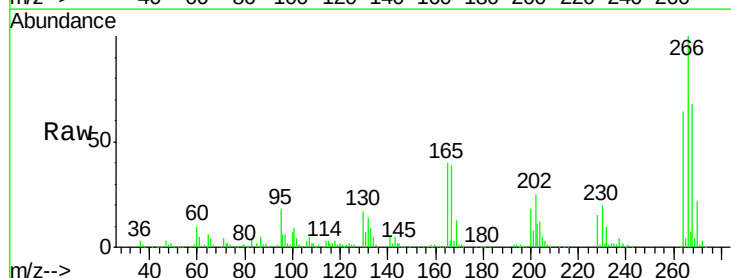
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

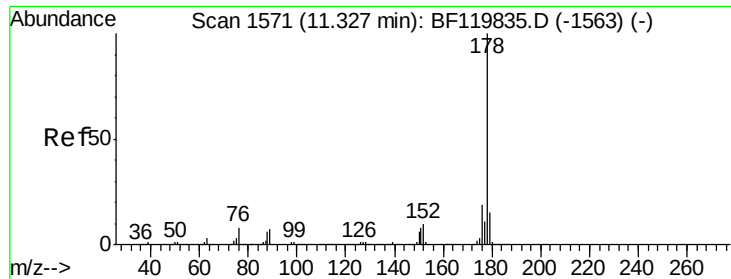
Tot Ion:200 Resp: 241114
 Ion Ratio Lower Upper
 200 100
 173 28.7 9.3 49.3
 215 50.4 29.5 69.5



#70
 Pentachlorophenol
 Concen: 80.697 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. 0.00 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:266 Resp: 319329
 Ion Ratio Lower Upper
 266 100
 268 67.8 53.3 79.9
 264 64.3 49.0 73.4





#71

Phenanthrene

Concen: 53.812 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

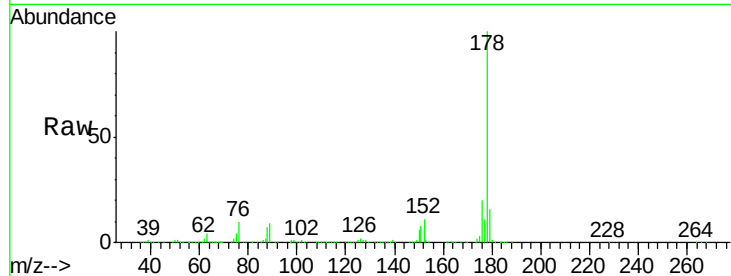
Tot Ion:178 Resp: 1558835

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

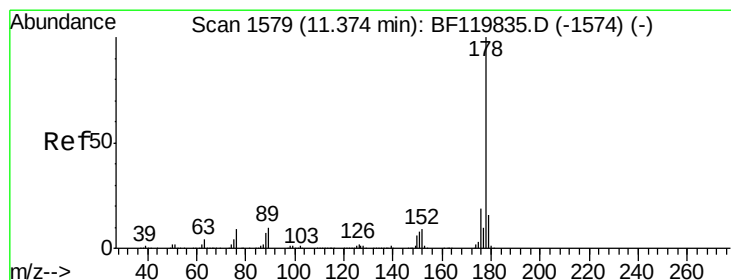
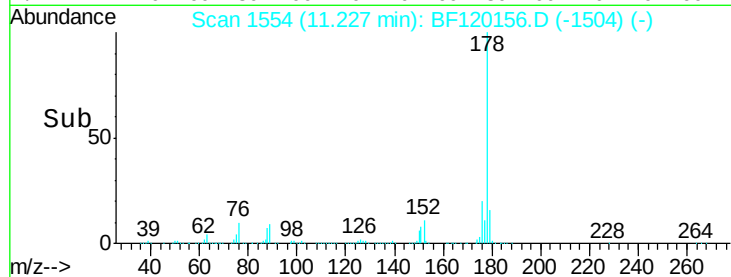
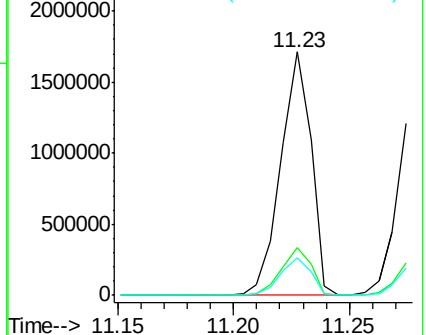
179 15.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 54.309 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

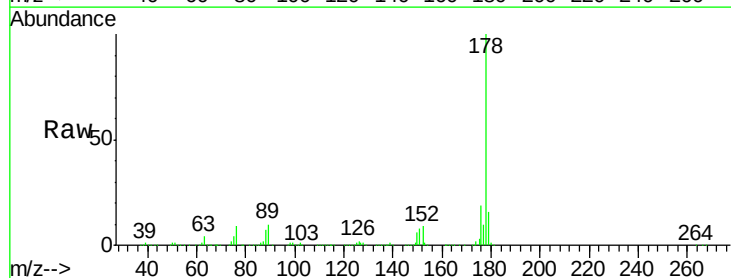
Tgt Ion:178 Resp: 1607148

Ion Ratio Lower Upper

178 100

176 19.0 16.1 24.1

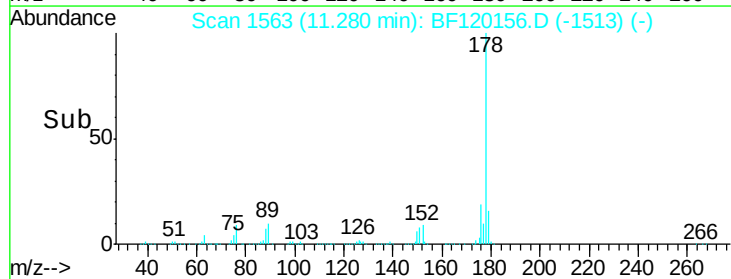
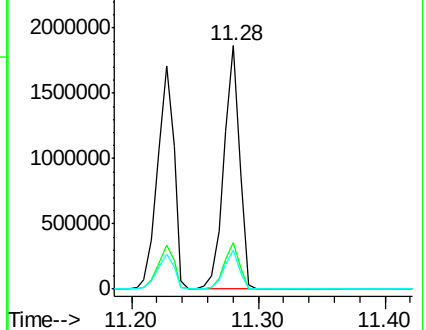
179 15.8 13.0 19.4

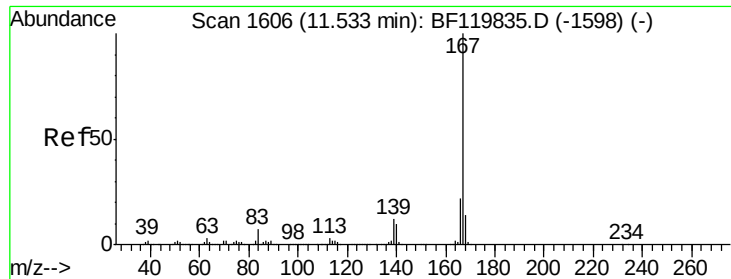


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

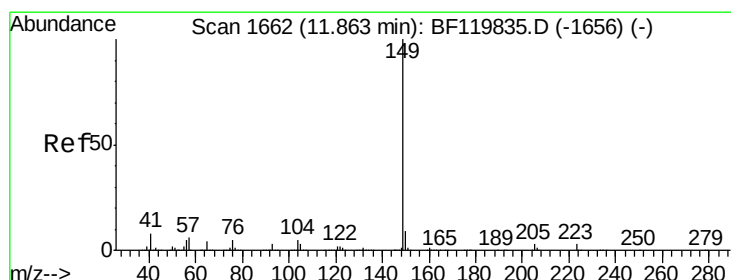
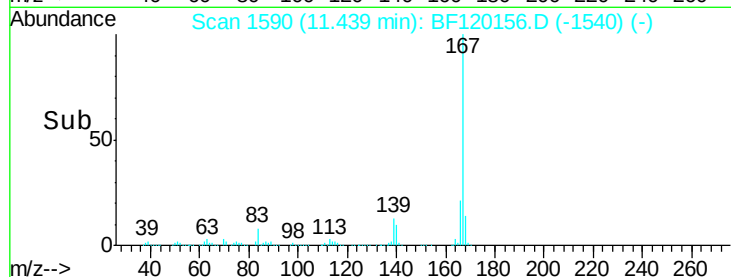
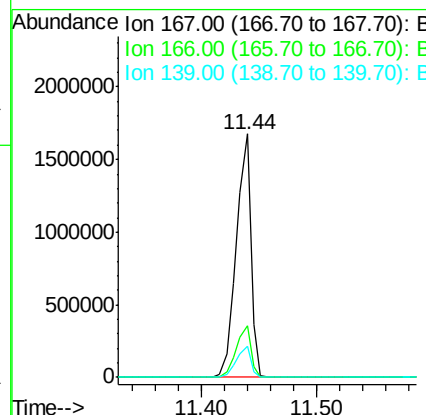
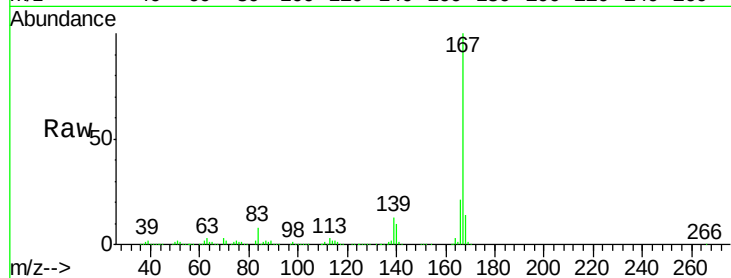




#73
 Carbazole
 Concen: 52.693 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

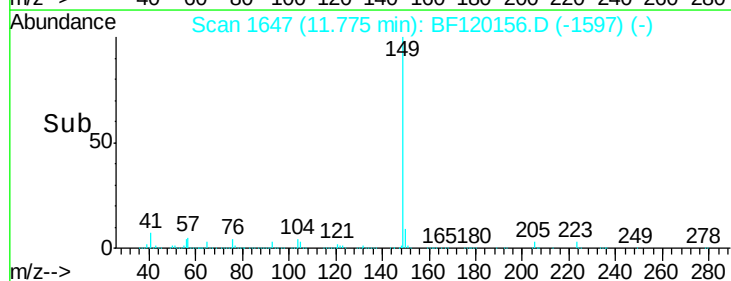
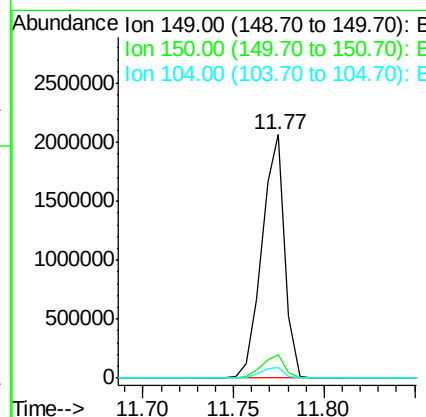
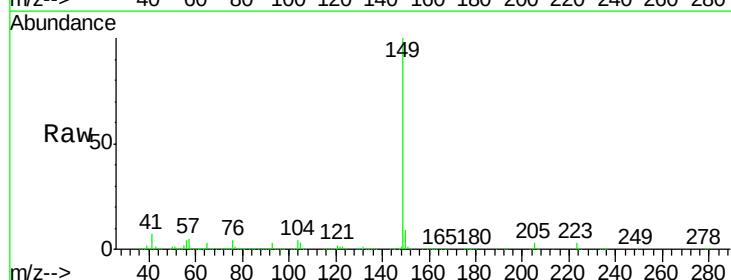
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020MSD

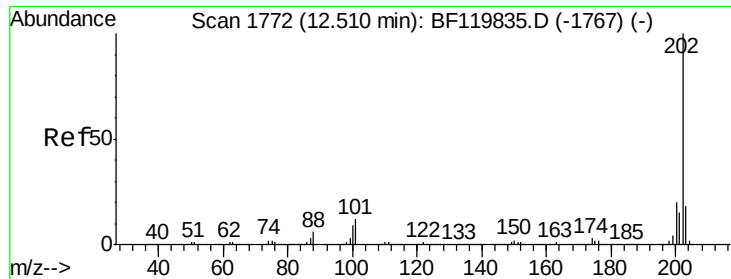
Tot Ion:167 Resp: 1474592
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.2 27.4
 139 12.6 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 48.872 ng
 RT: 11.77 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BF120156.D
 Acq: 23 Apr 2020 6:32

Tgt Ion:149 Resp: 1797929
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.8 11.8
 104 4.2 3.6 5.4

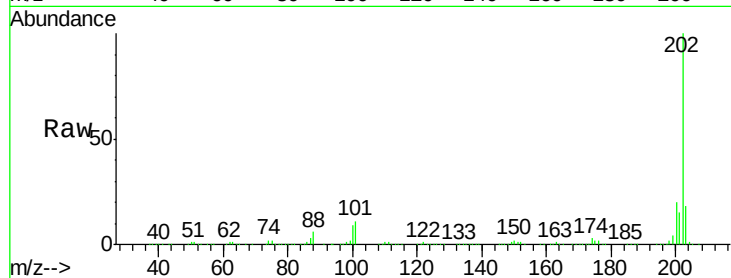




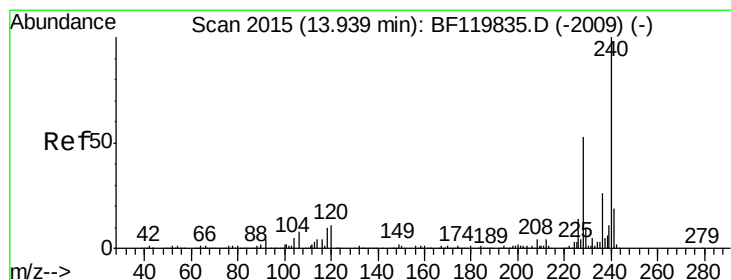
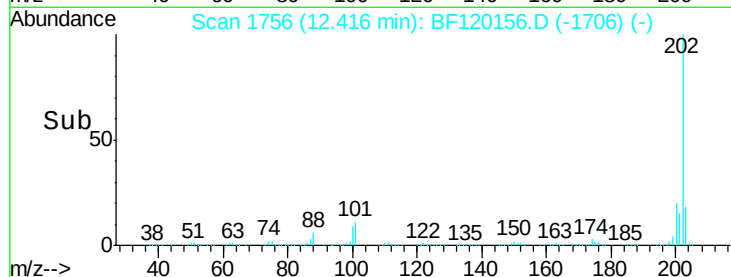
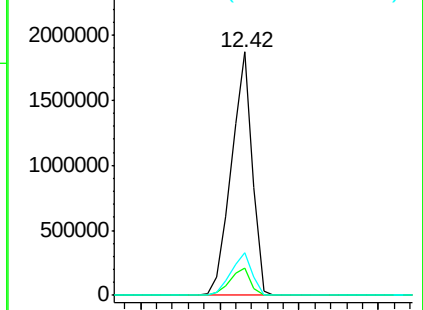
#75
Fluoranthene
Concen: 54.433 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

Tot Ion:202 Resp: 1701358
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.6 0.0 38.8

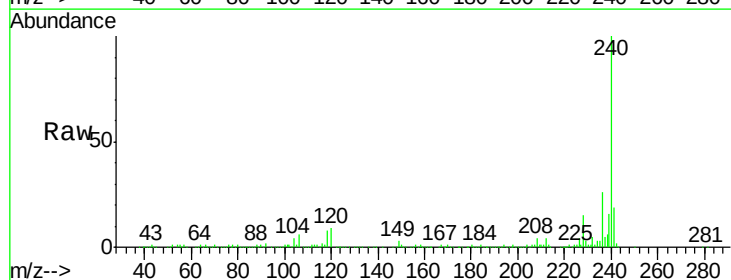


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

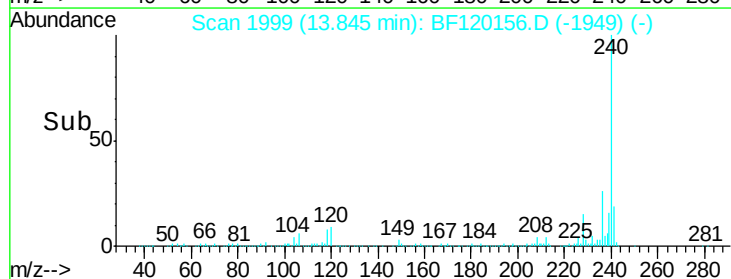
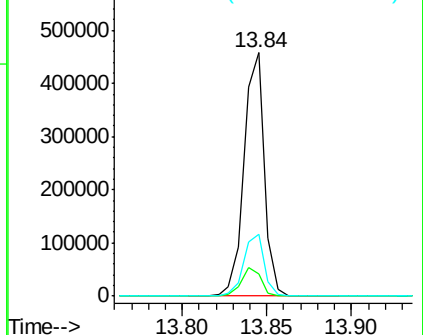


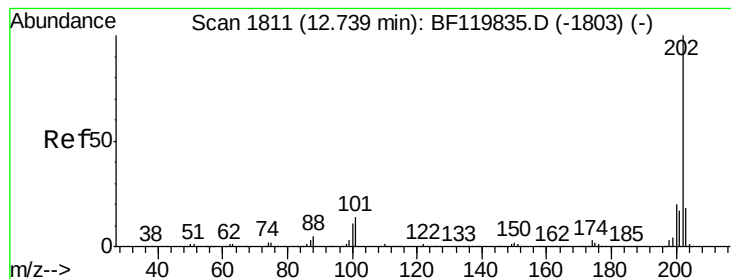
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:240 Resp: 384668
Ion Ratio Lower Upper
240 100
120 9.1 10.6 15.8#
236 25.6 20.2 30.2



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





#78

Pvrene

Concen: 52.670 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

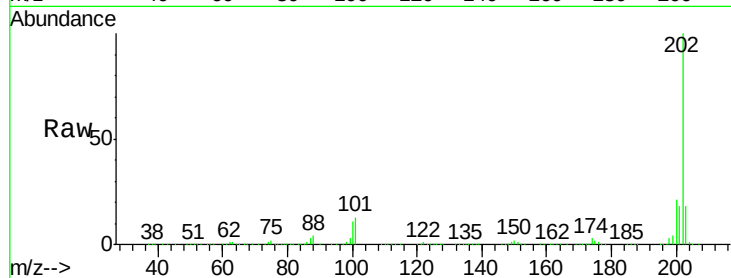
Tot Ion:202 Resp: 1707991

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

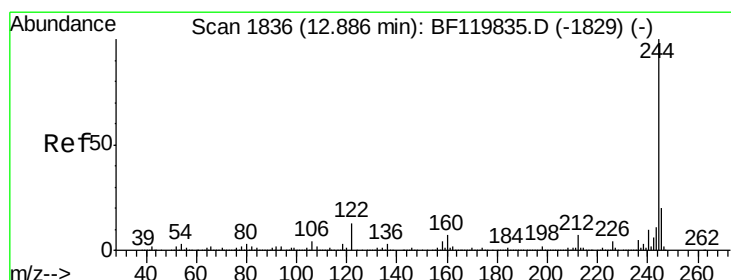
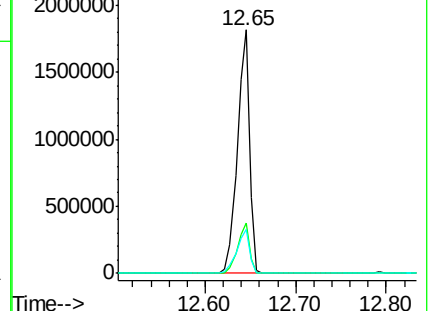
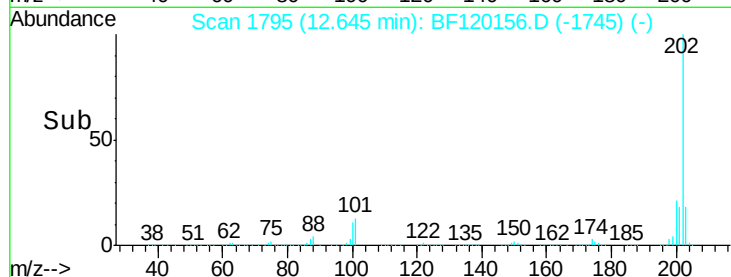
203 18.0 15.1 22.7



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: 98.286 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

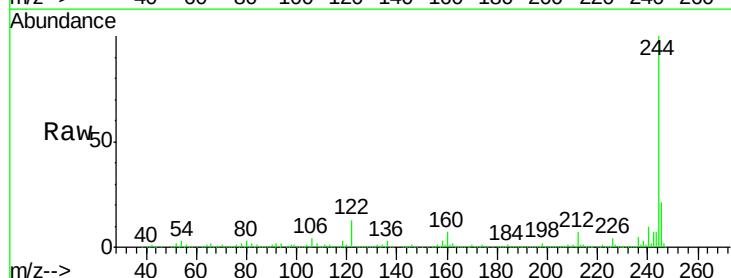
Tgt Ion:244 Resp: 2246888

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

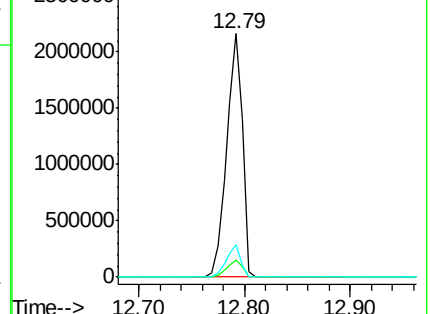
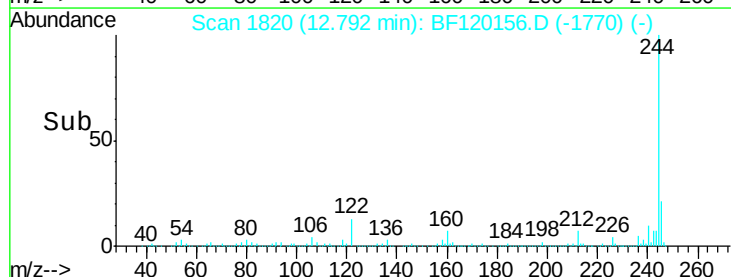
122 13.4 10.3 15.5

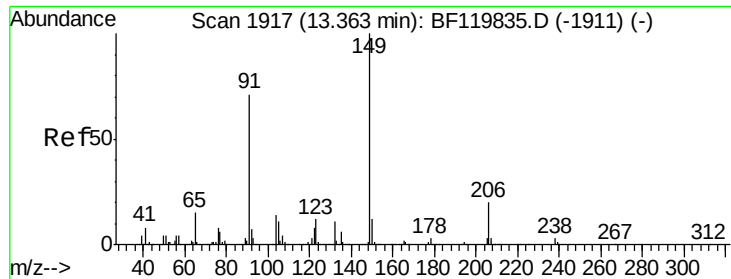


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

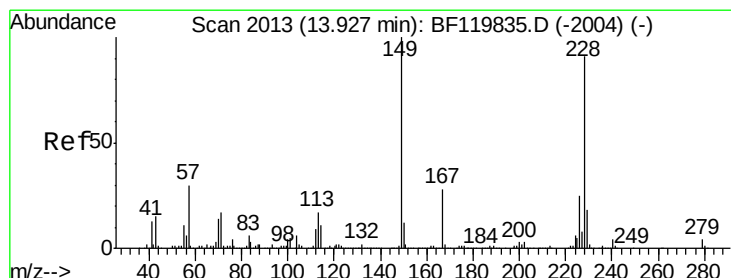
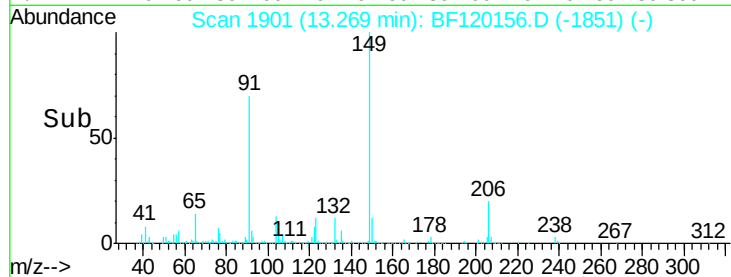
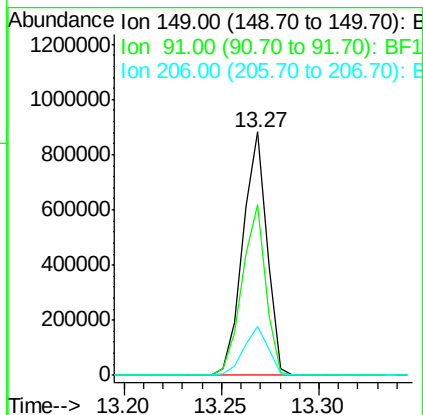
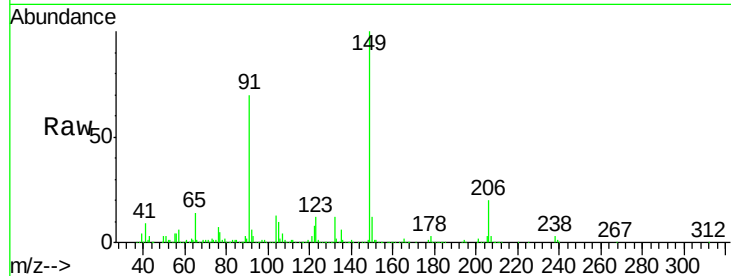




#80
Butylbenzylphthalate
Concen: 48.050 ng
RT: 13.27 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

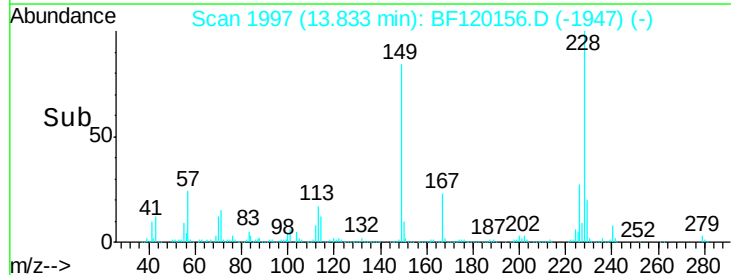
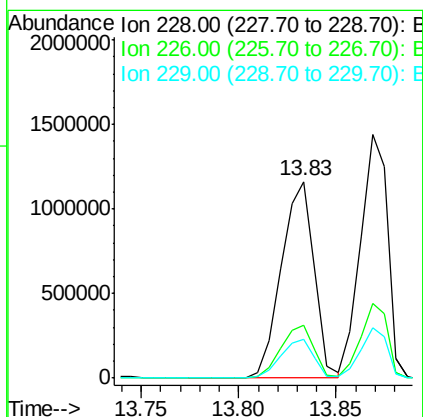
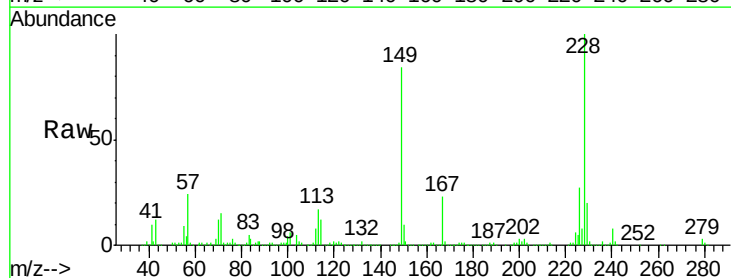
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

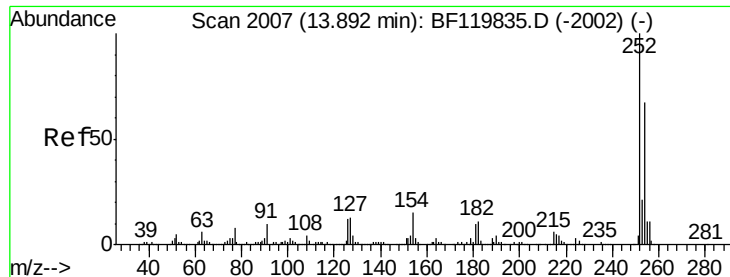
Tot Ion:149 Resp: 756081
Ion Ratio Lower Upper
149 100
91 70.2 54.7 82.1
206 20.0 16.2 24.2



#81
Benzo(a)anthracene
Concen: 53.151 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:228 Resp: 1345028
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.6 16.2 24.4





#82

3,3'-Dichlorobenzidine

Concen: 6.887 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

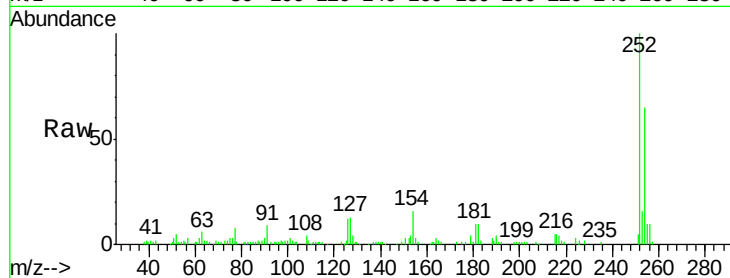
Tot Ion:252 Resp: 65033

Ion Ratio Lower Upper

252 100

254 65.0 51.2 76.8

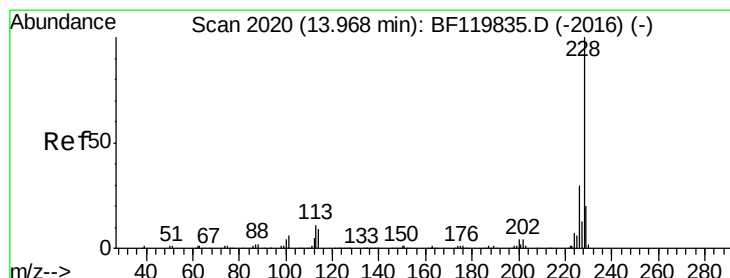
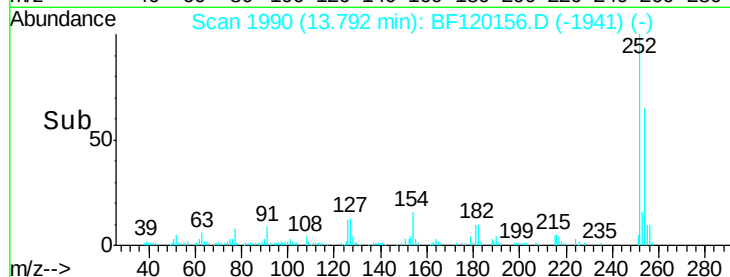
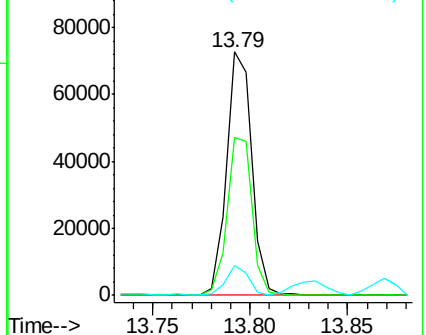
126 12.3 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 53.798 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

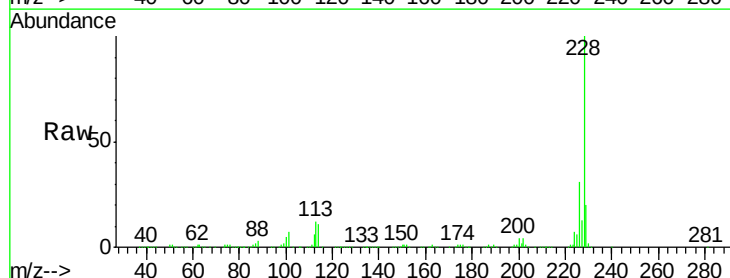
Tgt Ion:228 Resp: 1383314

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

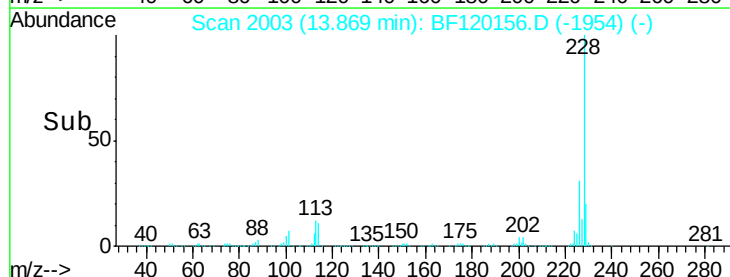
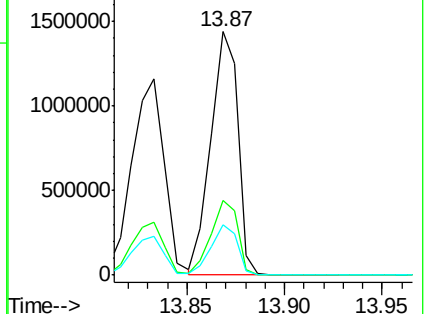
229 20.5 16.6 24.8

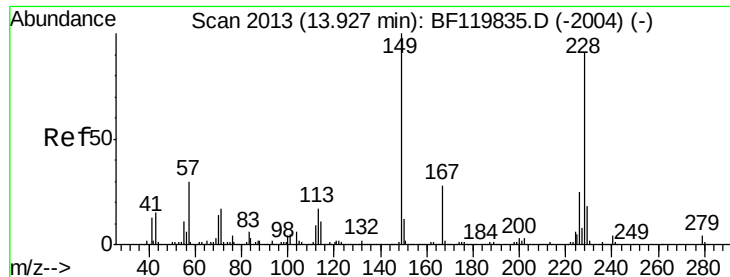


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 44.180 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

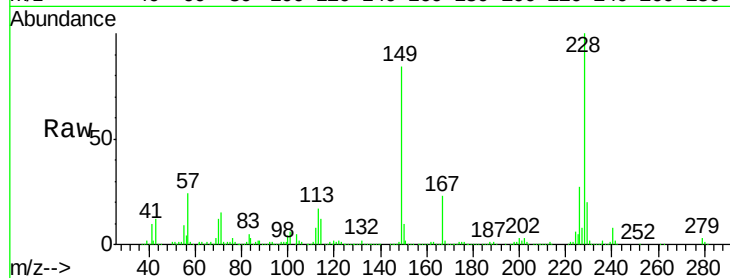
Tot Ion:149 Resp: 941417

Ion Ratio Lower Upper

149 100

167 26.9 21.3 31.9

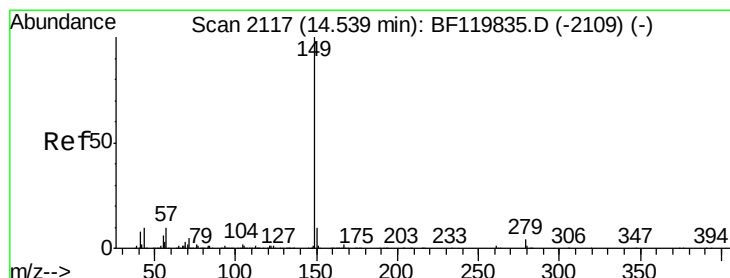
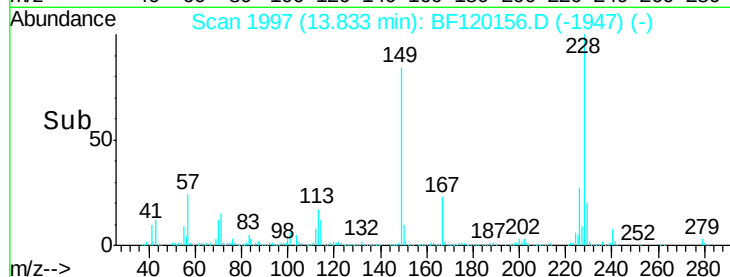
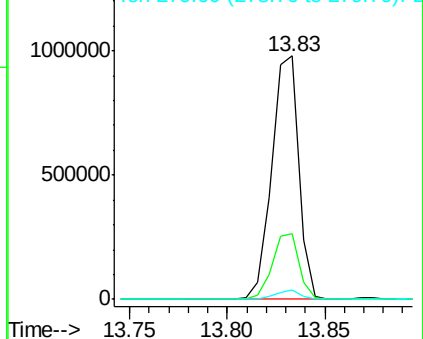
279 3.8 2.7 4.1



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: 45.307 ng

RT: 14.44 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

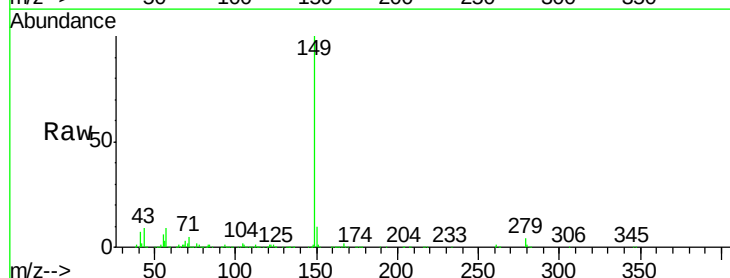
Tgt Ion:149 Resp: 1643813

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

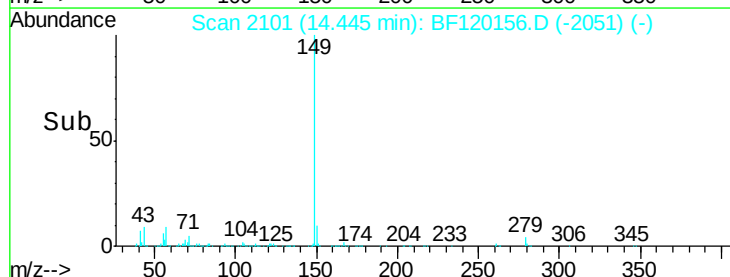
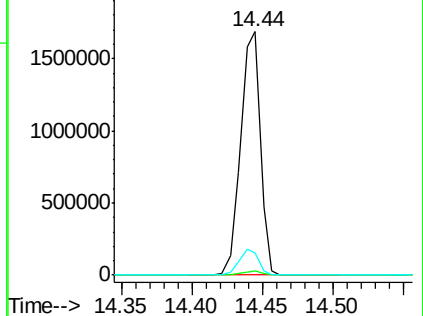
43 10.4 9.3 13.9

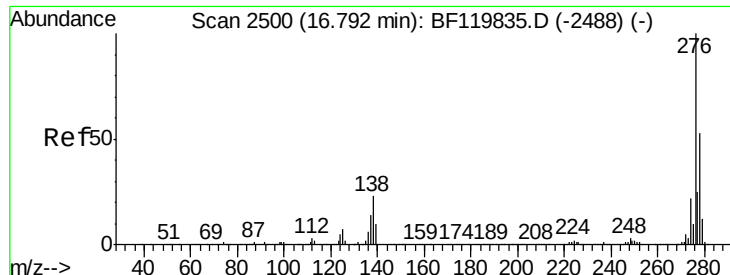


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 52.248 ng

RT: 16.61 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

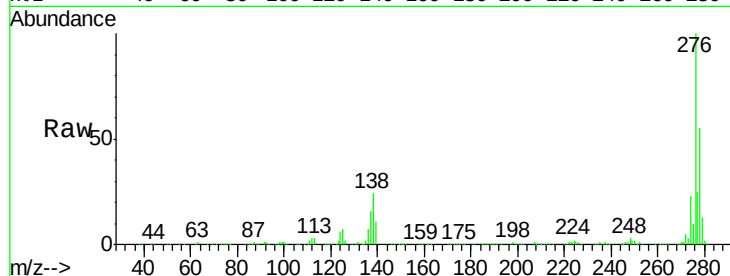
Tot Ion:276 Resp: 1184253

Ion Ratio Lower Upper

276 100

138 25.2 19.6 29.4

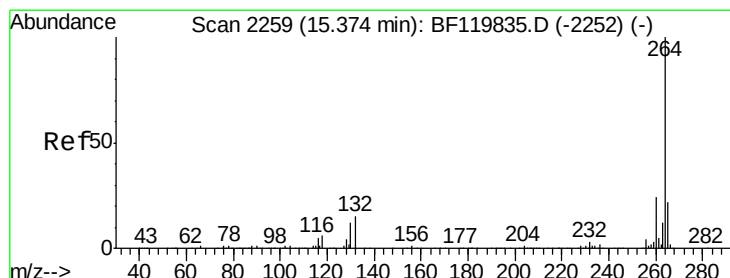
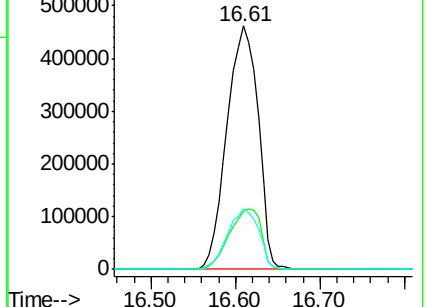
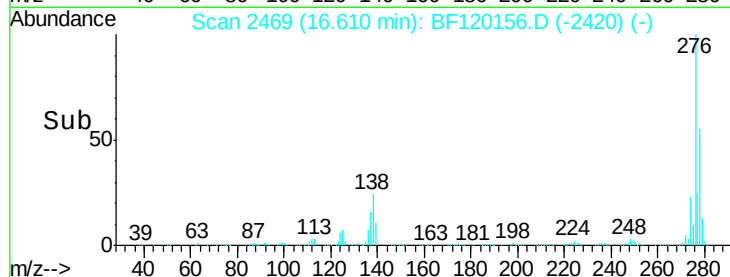
277 24.7 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

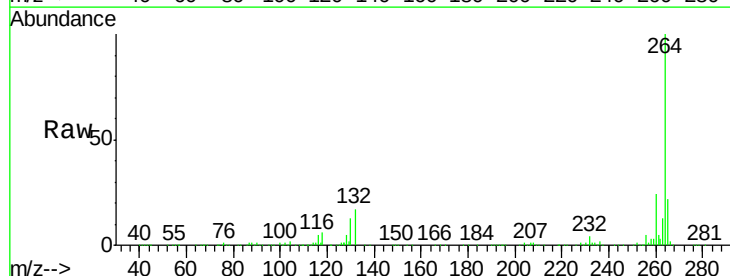
Tgt Ion:264 Resp: 322853

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

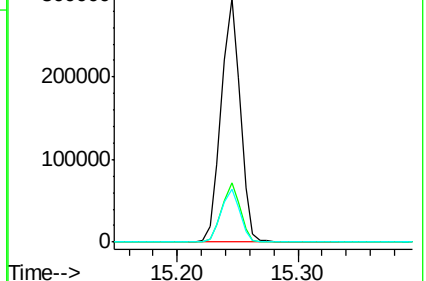
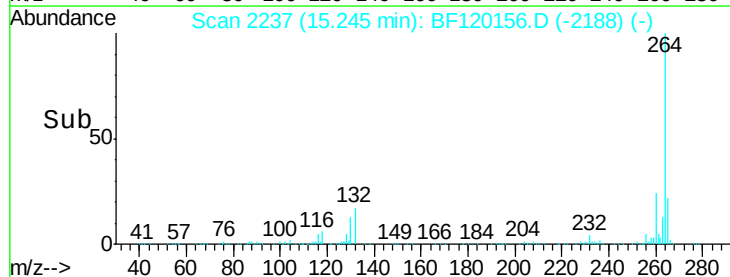
265 21.8 17.7 26.5

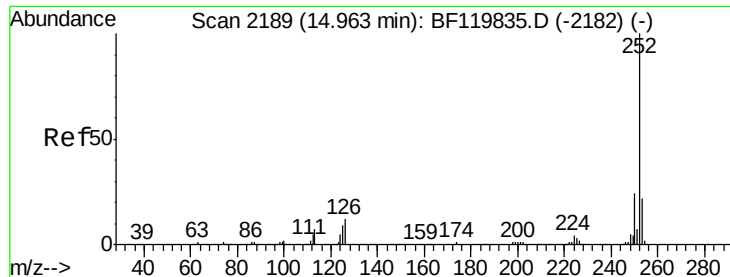


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

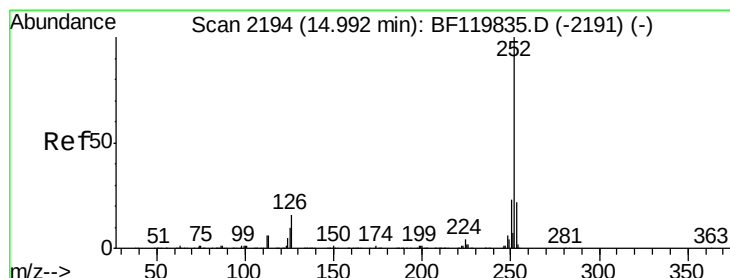
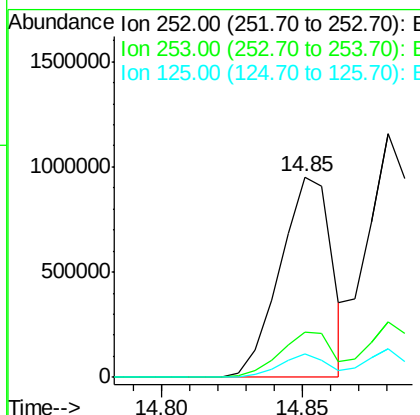
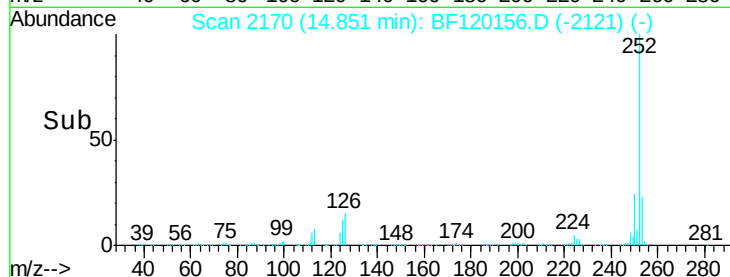
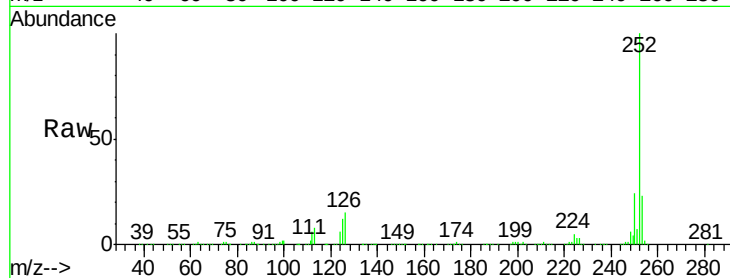




#88
Benzo(b)fluoranthene
Concen: 52.020 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

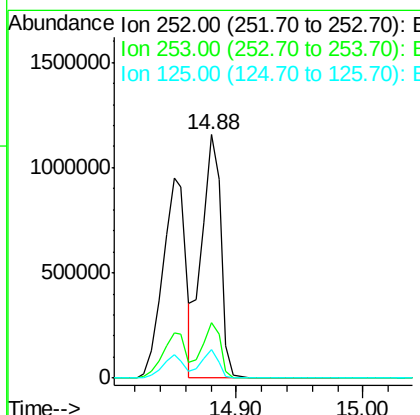
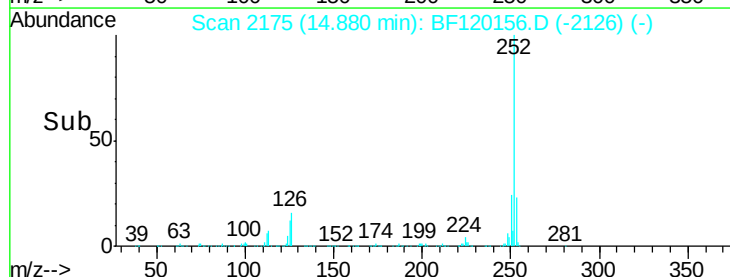
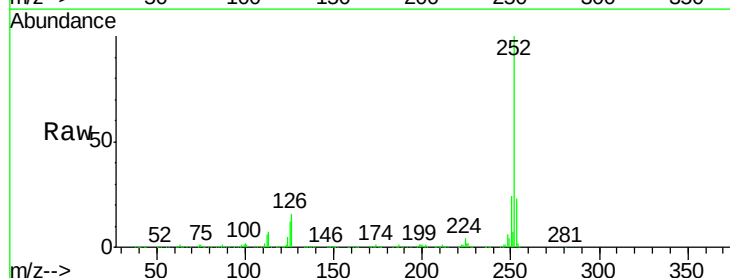
Instrument :
BNA_F
ClientSampleId :
TR-05-042020MSD

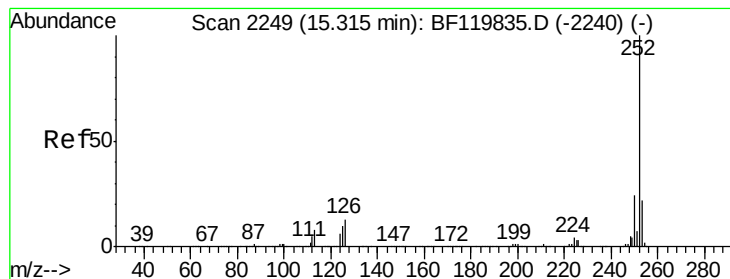
Tot Ion:252 Resp: 1208187
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.8 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 59.941 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF120156.D
Acq: 23 Apr 2020 6:32

Tgt Ion:252 Resp: 1201158
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.5 8.4 12.6





#90

Benzo(a)pyrene

Concen: 54.598 ng

RT: 15.19 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

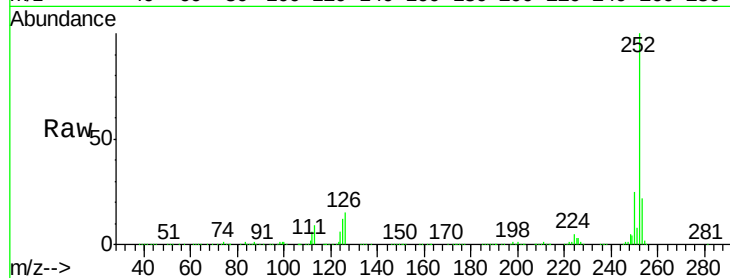
Tot Ion:252 Resp: 1066168

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

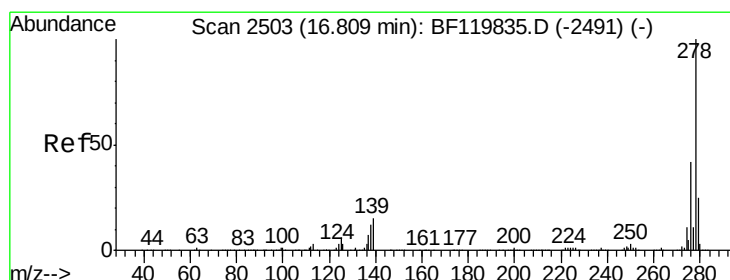
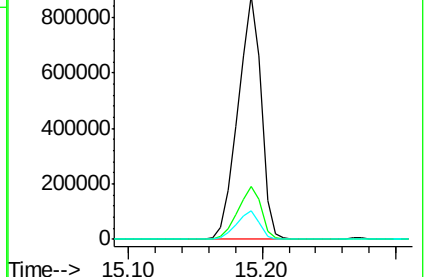
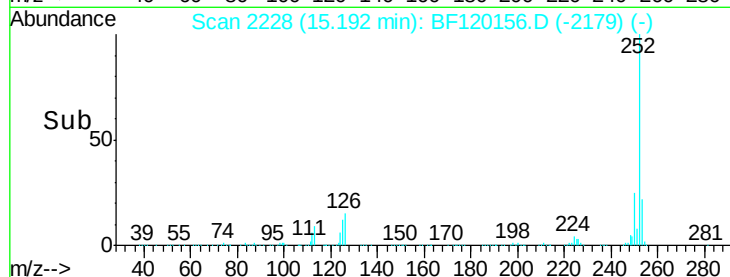
125 11.9 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 56.093 ng

RT: 16.63 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

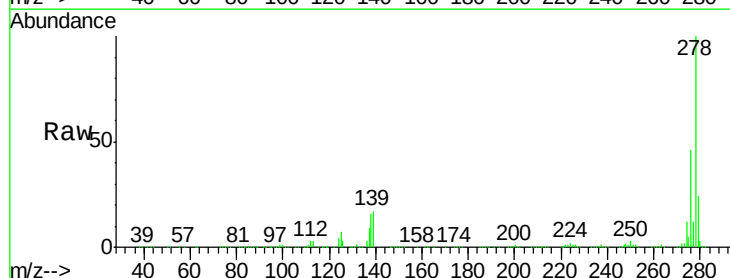
Tgt Ion:278 Resp: 970270

Ion Ratio Lower Upper

278 100

139 17.5 12.6 19.0

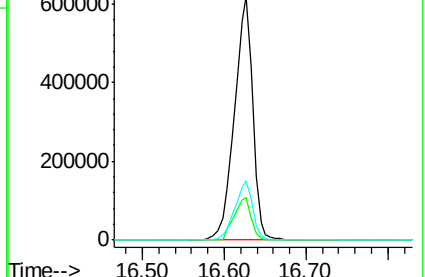
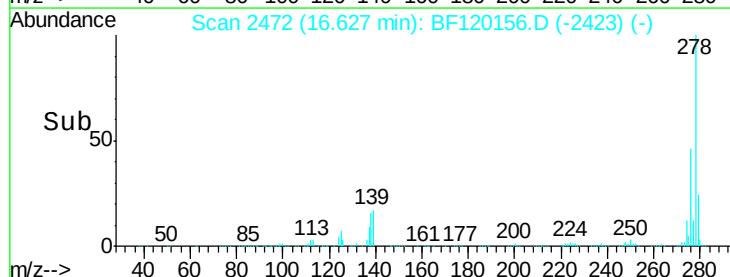
279 24.2 19.0 28.6

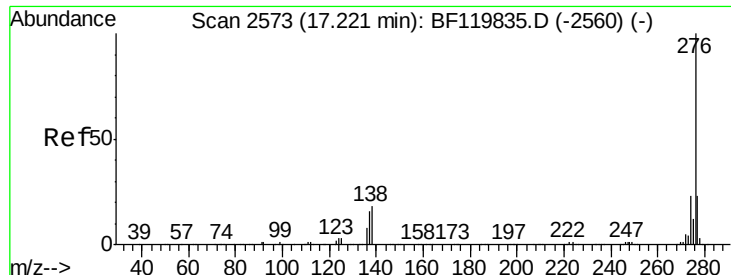


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 56.432 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BF120156.D

Acq: 23 Apr 2020 6:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042020MSD

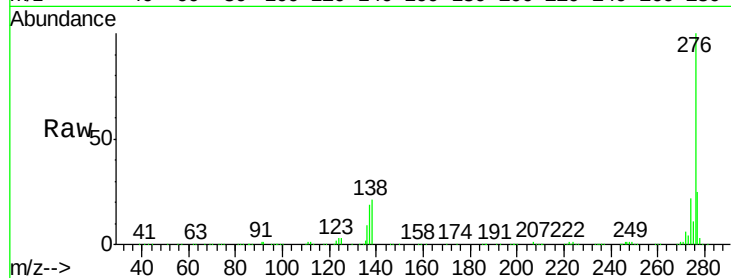
Tot Ion:276 Resp: 963537

Ion Ratio Lower Upper

276 100

277 24.6 18.4 27.6

138 20.6 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

