

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120268.D
 Acq On : 1 May 2020 19:50
 Operator : MA/SJ
 Sample : L2454-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

Quant Time: May 02 01:08:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	136469	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	432072	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	195980	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	329421	20.00	ng	0.00
76) Chrysene-d12	13.82	240	224957	20.00	ng	0.00
87) Perylene-d12	15.22	264	256041	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1002784	126.99	ng	0.00
7) Phenol-d6	6.32	99	1230419	120.92	ng	0.00
23) Nitrobenzene-d5	7.23	82	767921	91.95	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	242354	101.00	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1245727	90.25	ng	0.00
79) Terphenyl-d14	12.77	244	1082330	80.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	110142	31.315	ng	97
3) Pyridine	2.94	79	316035	32.750	ng	92
4) n-Nitrosodimethylamine	2.90	42	210752	42.745	ng	96
6) Aniline	6.32	93	602201	45.091	ng	# 80
8) 2-Chlorophenol	6.45	128	468417	53.089	ng	97
9) Benzaldehyde	6.20	77	334549	Below	Cal	98
10) Phenol	6.33	94	605705	52.470	ng	97
11) bis(2-Chloroethyl)ether	6.39	93	447461	50.202	ng	98
12) 1,3-Dichlorobenzene	6.59	146	470811	48.740	ng	97
13) 1,4-Dichlorobenzene	6.67	146	482761	49.062	ng	98
14) 1,2-Dichlorobenzene	6.82	146	451851	49.828	ng	99
15) Benzyl Alcohol	6.81	79	384242	48.619	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.94	45	714330	41.185	ng	66
17) 2-Methylphenol	6.93	107	363859	46.211	ng	# 91
18) Hexachloroethane	7.16	117	172326	46.861	ng	97
19) n-Nitroso-di-n-propylamine	7.08	70	317099	48.462	ng	97
20) 3+4-Methylphenols	7.09	107	471900	49.003	ng	# 81
22) Acetophenone	7.07	105	637202	62.979	ng	# 97
24) Nitrobenzene	7.25	77	465154	55.364	ng	96
25) Isophorone	7.49	82	861389	53.503	ng	100
26) 2-Nitrophenol	7.56	139	243847	58.094	ng	97
27) 2,4-Dimethylphenol	7.61	122	388552	61.377	ng	96
28) bis(2-Chloroethoxy)methane	7.70	93	528142	55.747	ng	99
29) 2,4-Dichlorophenol	7.81	162	322076	49.634	ng	98
30) 1,2,4-Trichlorobenzene	7.88	180	351619	47.823	ng	99
31) Naphthalene	7.96	128	1098461	48.321	ng	98
32) Benzoic acid	7.76	122	245132	44.090	ng	99
33) 4-Chloroaniline	8.02	127	213503	21.574	ng	99
34) Hexachlorobutadiene	8.08	225	201282	45.732	ng	98
35) Caprolactam	8.40	113	61563	31.015	ng	93
36) 4-Chloro-3-methylphenol	8.52	107	377538	53.739	ng	99
37) 2-Methylnaphthalene	8.65	142	720046	46.720	ng	98
38) 1-Methylnaphthalene	8.75	142	696471	47.945	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.82	216	321383	51.921	ng	98

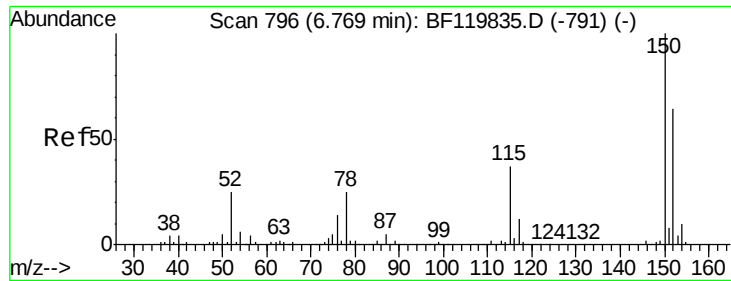
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	189472	53.830	ng	98
43) 2,4,6-Trichlorophenol	8.94	196	211671	49.521	ng	100
44) 2,4,5-Trichlorophenol	8.99	196	223283	46.380	ng	98
46) 1,1'-Biphenyl	9.12	154	876445	52.984	ng	97
47) 2-Chloronaphthalene	9.14	162	654249	51.342	ng	99
48) 2-Nitroaniline	9.25	65	218110	47.232	ng	96
49) Acenaphthylene	9.56	152	1012504	52.246	ng	98
50) Dimethylphthalate	9.43	163	1009064	66.566	ng	100
51) 2,6-Dinitrotoluene	9.49	165	164208	49.467	ng	98
52) Acenaphthene	9.73	154	587484	45.445	ng	99
53) 3-Nitroaniline	9.66	138	106480	28.086	ng	98
54) 2,4-Dinitrophenol	9.77	184	95826	48.217	ng	94
55) Dibenzofuran	9.90	168	891781	50.270	ng	100
56) 4-Nitrophenol	9.85	139	227248	80.560	ng	99
57) 2,4-Dinitrotoluene	9.90	165	207001	47.331	ng	# 90
58) Fluorene	10.25	166	671238	47.313	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.03	232	167656	45.534	ng	98
60) Diethylphthalate	10.13	149	776312	49.412	ng	99
61) 4-Chlorophenyl-phenylether	10.24	204	345766	47.551	ng	94
62) 4-Nitroaniline	10.27	138	147415	40.801	ng	98
63) Azobenzene	10.40	77	697060	49.507	ng	98
65) 4,6-Dinitro-2-methylphenol	10.30	198	75237	34.667	ng	78
66) n-Nitrosodiphenylamine	10.36	169	626125	57.151	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	198712	48.505	ng	95
68) Hexachlorobenzene	10.79	284	202287	48.674	ng	93
69) Atrazine	10.89	200	166201	54.525	ng	99
70) Pentachlorophenol	10.99	266	162852	67.998	ng	98
71) Phenanthrene	11.20	178	892211	50.890	ng	98
72) Anthracene	11.26	178	1013980	56.615	ng	97
73) Carbazole	11.42	167	964151	56.925	ng	98
74) Di-n-butylphthalate	11.75	149	1169983	52.547	ng	99
75) Fluoranthene	12.39	202	897959	47.469	ng	97
77) Benzidine	12.52	184	636838	83.748	ng	98
78) Pyrene	12.62	202	906436	47.797	ng	97
80) Butylbenzylphthalate	13.24	149	431194	46.858	ng	99
81) Benzo(a)anthracene	13.81	228	780105	52.713	ng	100
82) 3,3'-Dichlorobenzidine	13.77	252	277316	50.221	ng	99
83) Chrysene	13.85	228	832491	55.362	ng	97
84) Bis(2-ethylhexyl)phthalate	13.81	149	588020	47.187	ng	98
85) Di-n-octyl phthalate	14.42	149	1017890	47.973	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	919215	69.348	ng	99
88) Benzo(b)fluoranthene	14.83	252	851490	46.229	ng	99
89) Benzo(k)fluoranthene	14.86	252	734104	46.193	ng	99
90) Benzo(a)pyrene	15.17	252	751645	48.535	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	765054	55.770	ng	99
92) Benzo(g,h,i)perylene	16.99	276	739322	54.599	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

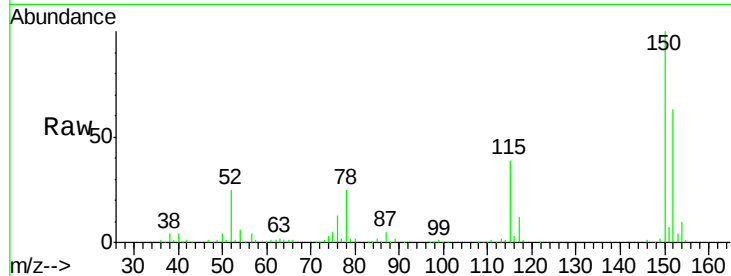
Tot Ion:152 Resp: 136469

Ion Ratio Lower Upper

152 100

150 158.2 124.5 186.7

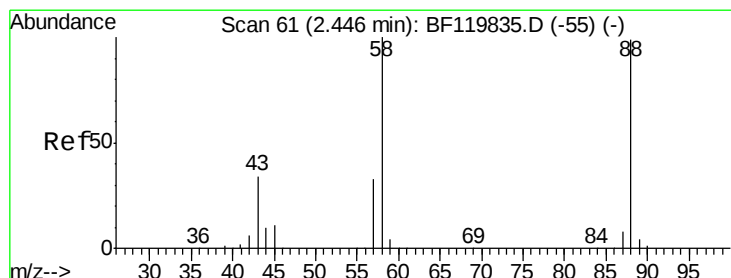
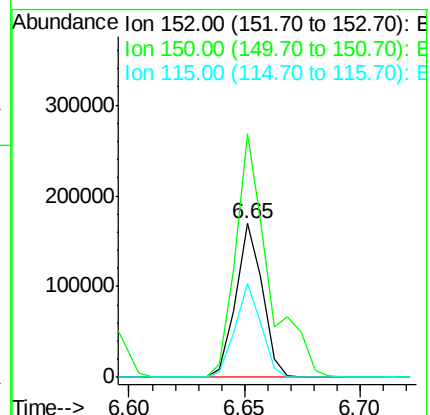
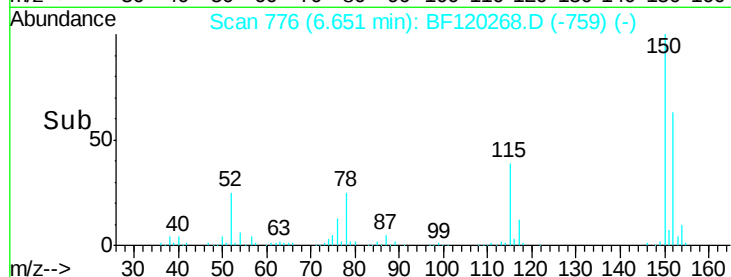
115 61.4 49.6 74.4



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: 31.315 ng

RT: 2.26 min Scan# 29

Delta R.T. 0.02 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

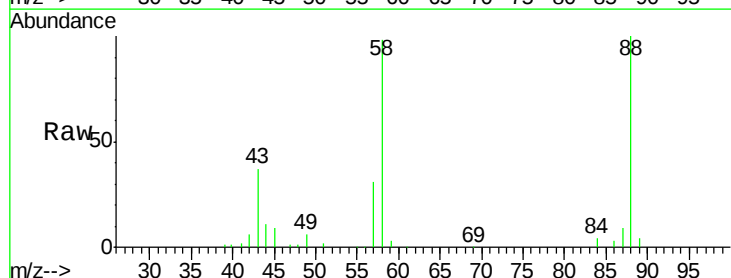
Tgt Ion: 88 Resp: 110142

Ion Ratio Lower Upper

88 100

58 96.9 80.6 121.0

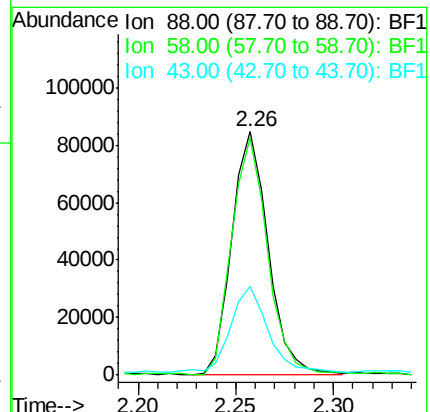
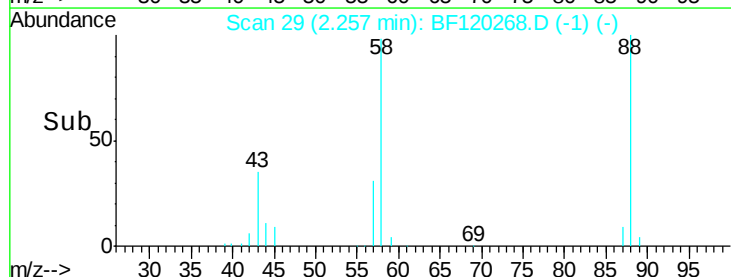
43 35.6 27.5 41.3

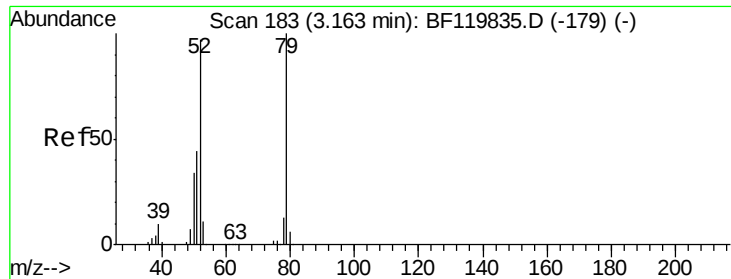


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 32.750 ng

RT: 2.94 min Scan# 145

Delta R.T. 0.02 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

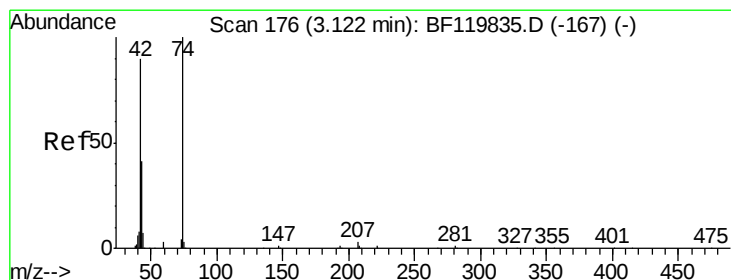
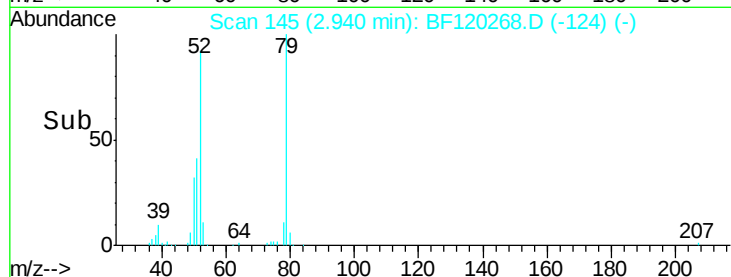
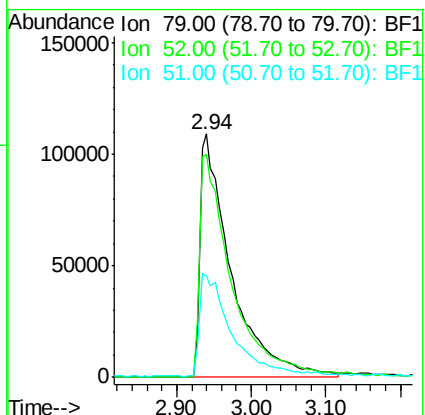
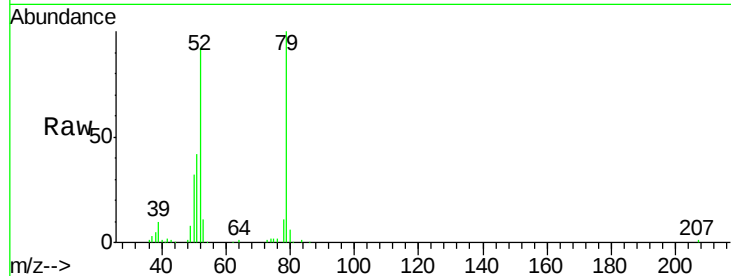
Tot Ion: 79 Resp: 316035

Ion Ratio Lower Upper

79 100

52 91.9 80.2 120.2

51 41.9 37.7 56.5



#4

n-Nitrosodimethylamine

Concen: 42.745 ng

RT: 2.90 min Scan# 138

Delta R.T. 0.02 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

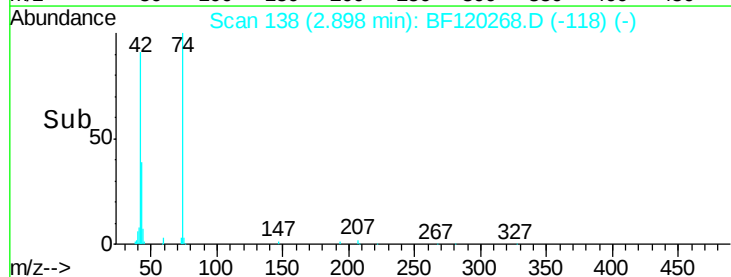
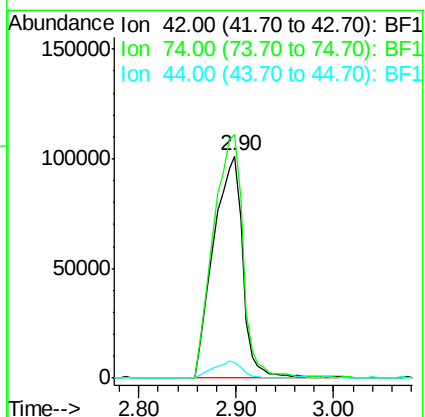
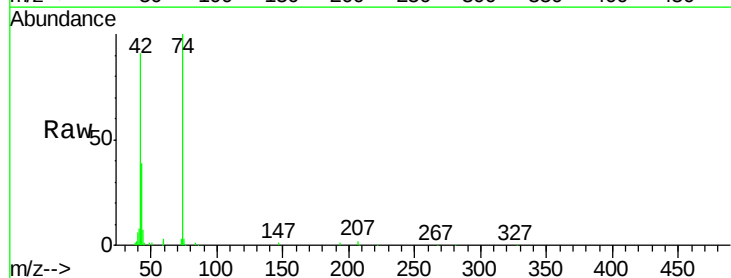
Tgt Ion: 42 Resp: 210752

Ion Ratio Lower Upper

42 100

74 109.5 91.5 137.3

44 7.3 6.2 9.4





#5

2-Fluorophenol

Concen: 126.988 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

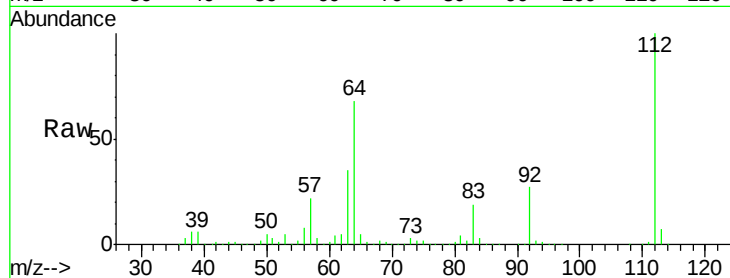
Tot Ion:112 Resp: 1002784

Ion Ratio Lower Upper

112 100

64 67.8 56.7 85.1

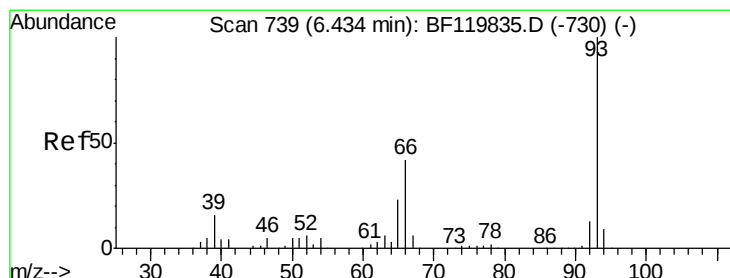
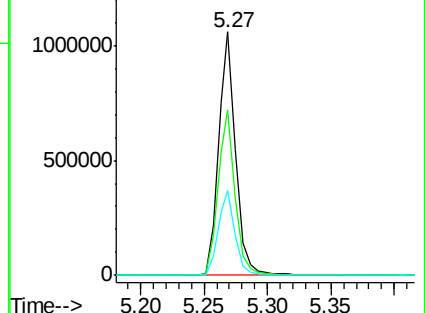
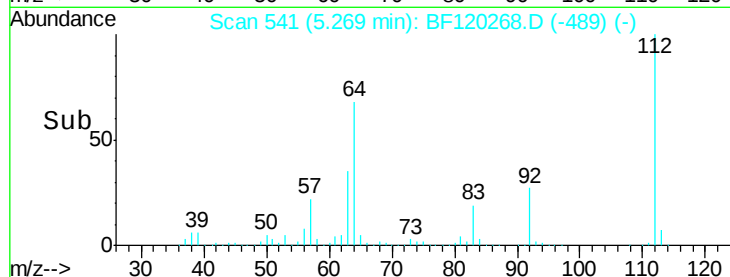
63 34.7 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 45.091 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

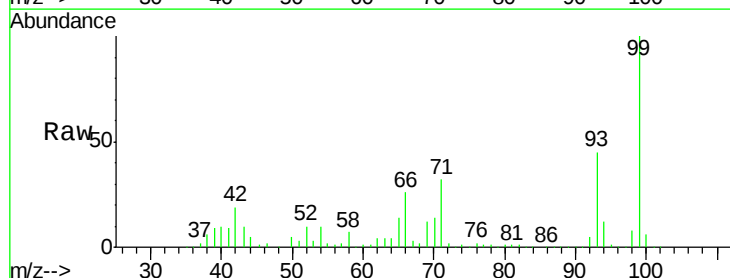
Tgt Ion: 93 Resp: 602201

Ion Ratio Lower Upper

93 100

66 58.1 34.9 52.3#

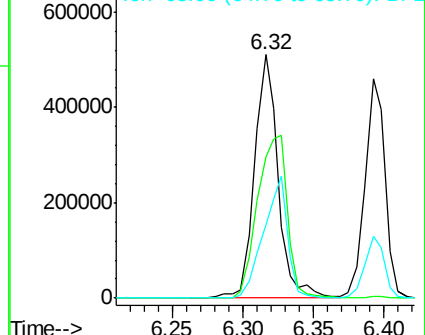
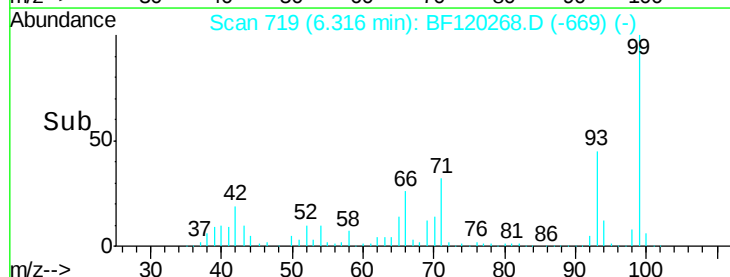
65 30.0 18.6 27.8#

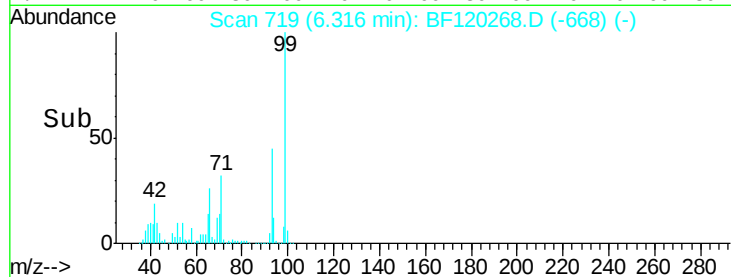
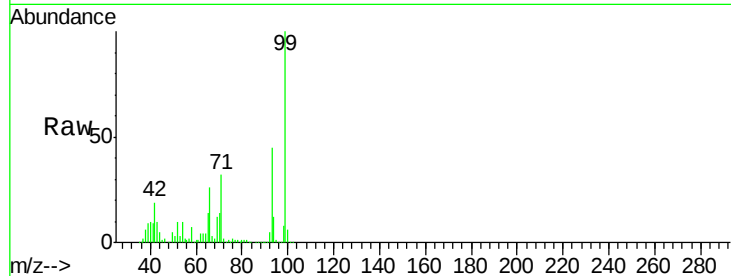


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.923 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

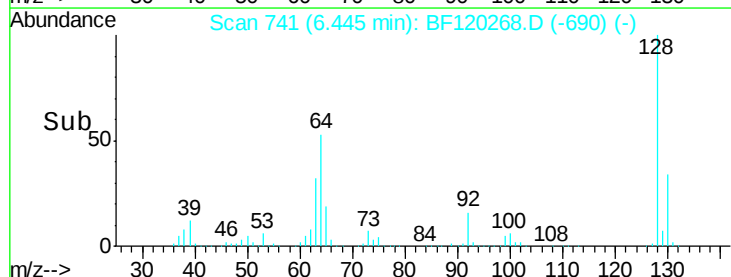
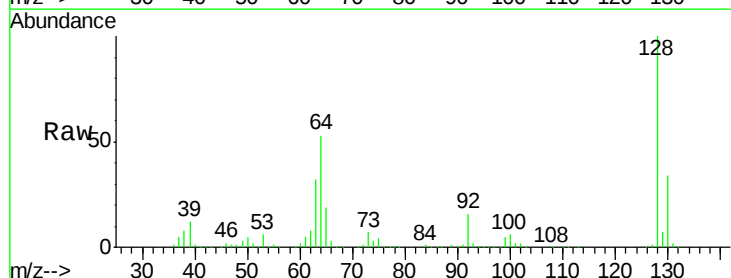
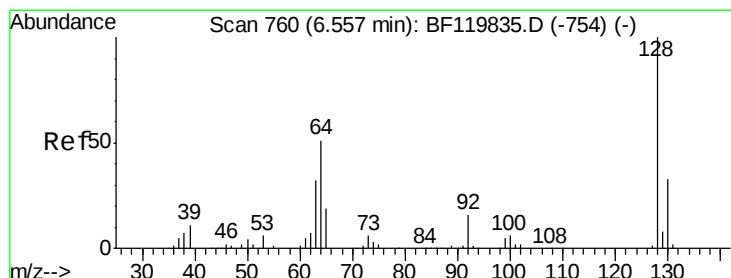
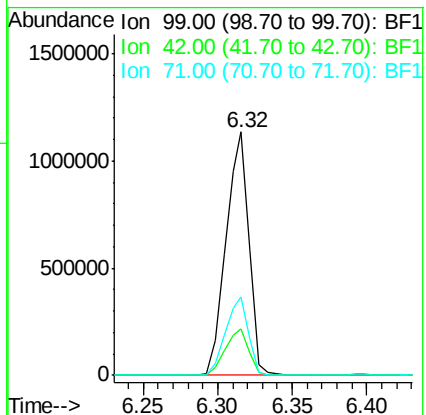
Tot Ion: 99 Resp: 1230419

Ion Ratio Lower Upper

99 100

42 19.2 16.6 24.8

71 32.0 26.4 39.6



#8

2-Chlorophenol

Concen: 53.089 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

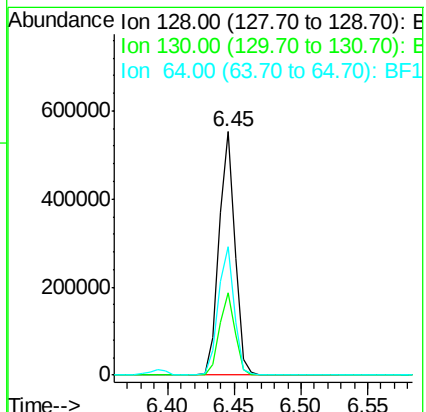
Tgt Ion:128 Resp: 468417

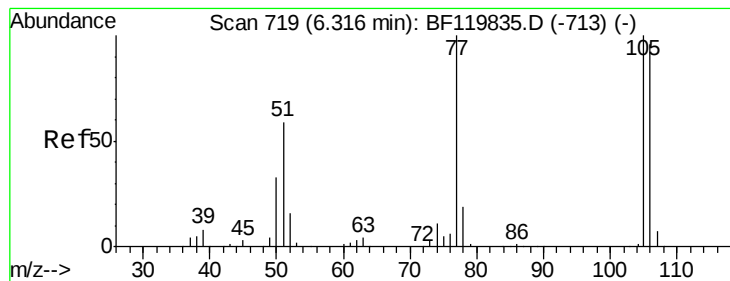
Ion Ratio Lower Upper

128 100

130 33.6 12.6 52.6

64 52.7 35.3 75.3





#9

Benzaldehyde

Concen: Below Cal

RT: 6.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

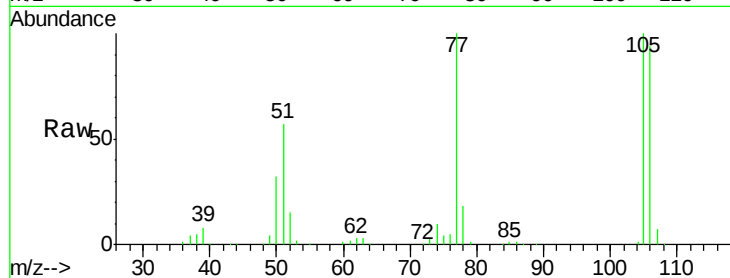
Tot Ion: 77 Resp: 334549

Ion Ratio Lower Upper

77 100

105 100.1 80.9 120.9

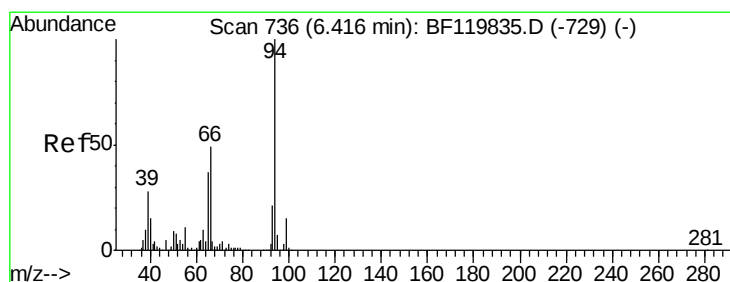
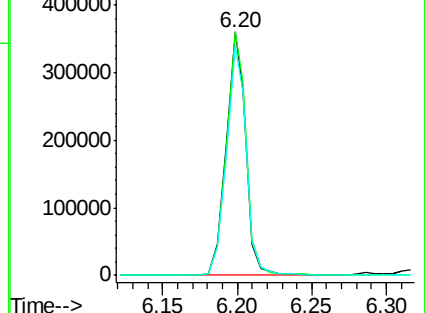
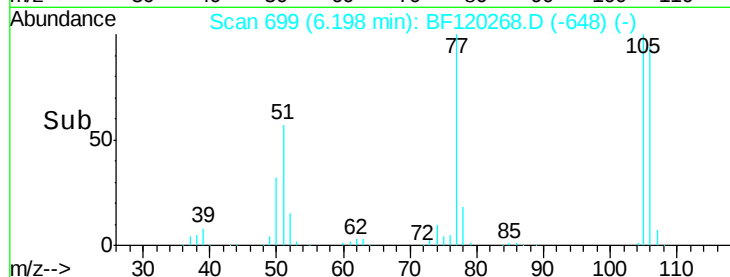
106 94.2 77.9 117.9



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: 52.470 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

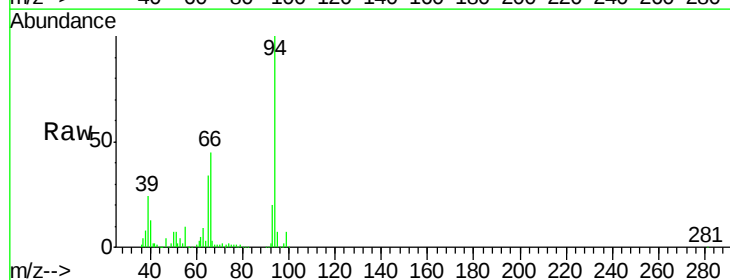
Tgt Ion: 94 Resp: 605705

Ion Ratio Lower Upper

94 100

65 33.7 13.2 53.2

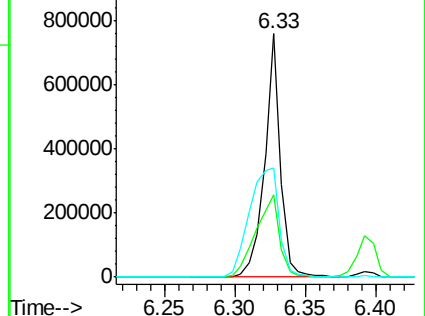
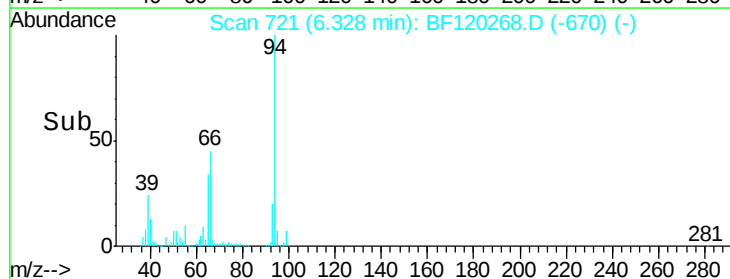
66 45.0 22.3 62.3

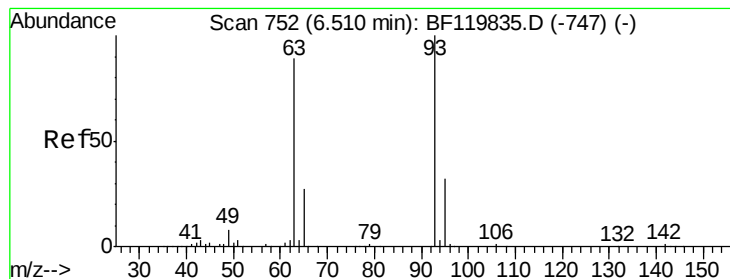


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 50.202 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

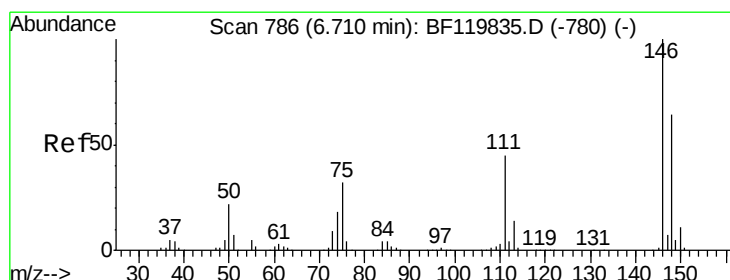
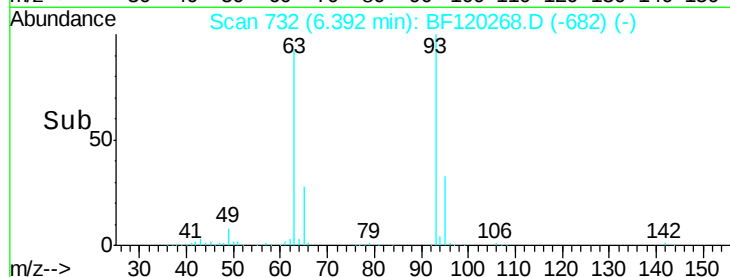
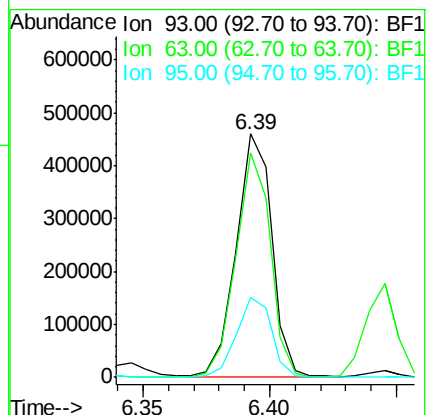
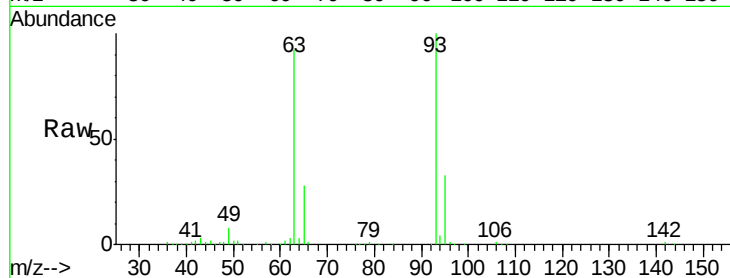
Tot Ion: 93 Resp: 447461

Ion Ratio Lower Upper

93 100

63 91.9 70.2 110.2

95 32.8 13.4 53.4



#12

1,3-Dichlorobenzene

Concen: 48.740 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

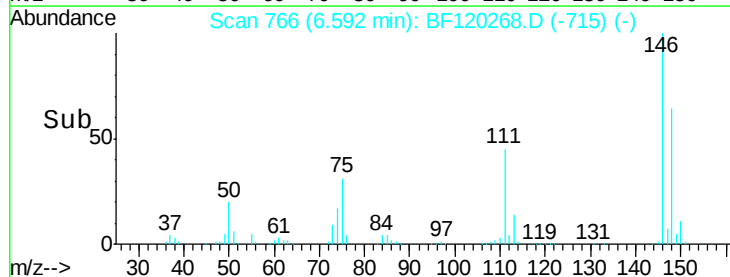
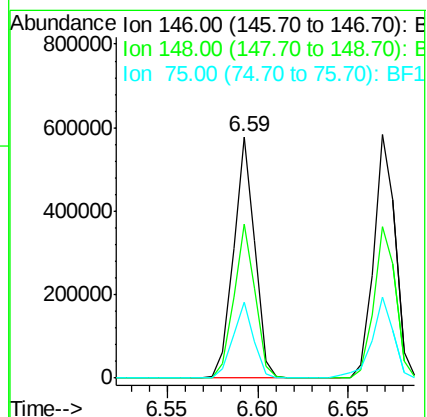
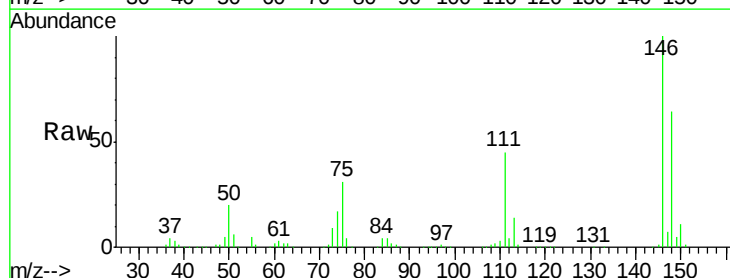
Tgt Ion: 146 Resp: 470811

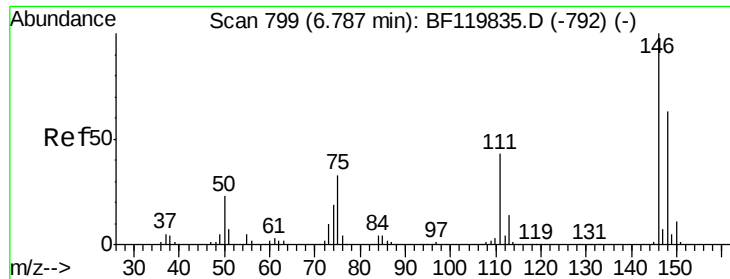
Ion Ratio Lower Upper

146 100

148 63.9 52.2 78.4

75 31.5 23.0 34.4

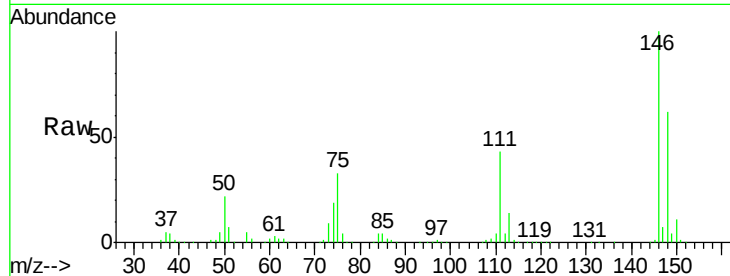




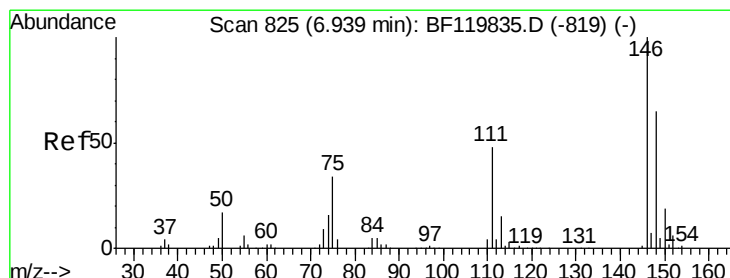
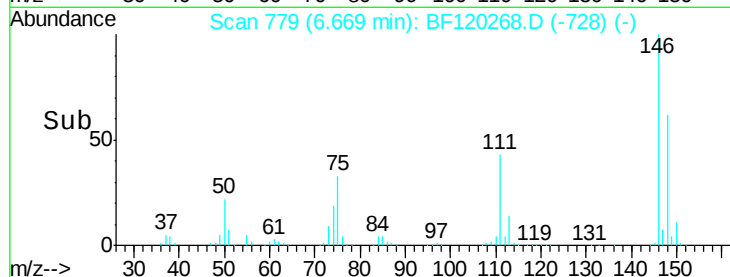
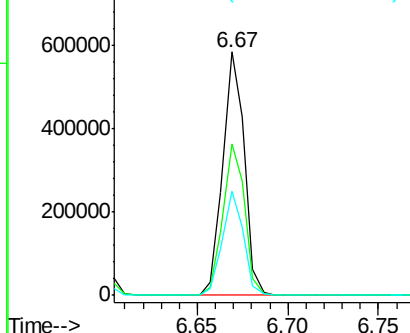
#13
 1,4-Dichlorobenzene
 Concen: 49.062 ng
 RT: 6.67 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.5	77.3
111	42.5	33.3	49.9

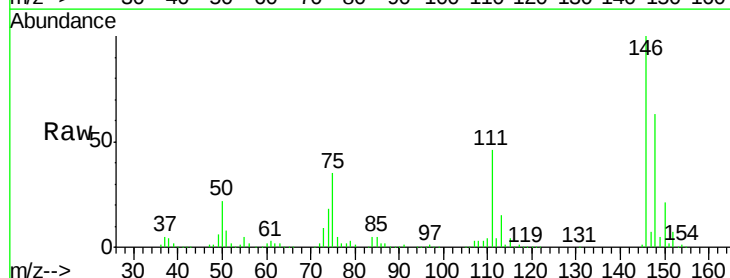


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

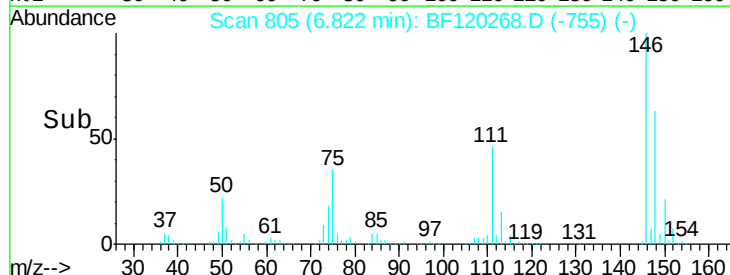
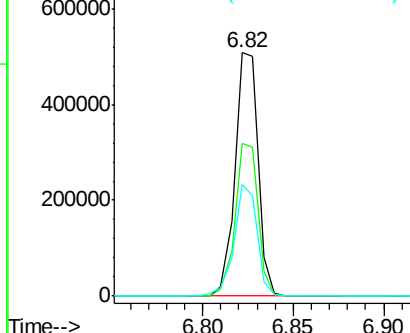


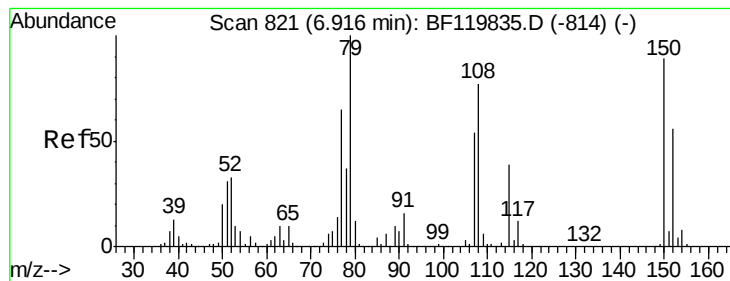
#14
 1,2-Dichlorobenzene
 Concen: 49.828 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	75.8
111	46.0	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: 48.619 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

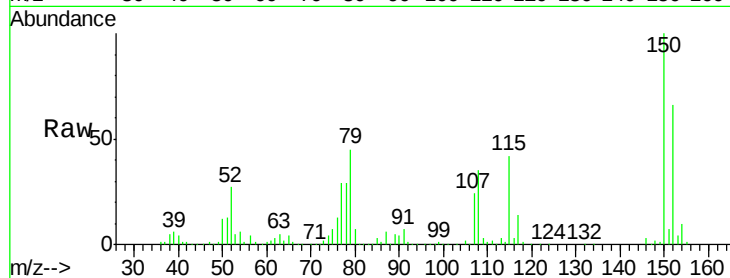
Tot Ion: 79 Resp: 384242

Ion Ratio Lower Upper

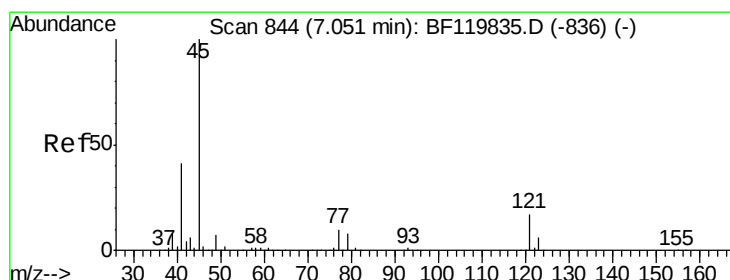
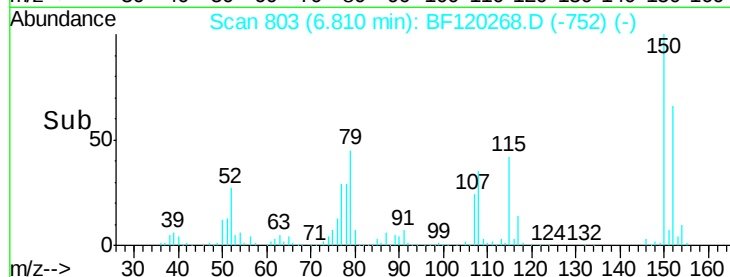
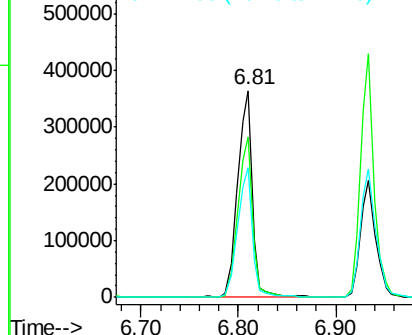
79 100

108 77.6 60.6 90.8

77 63.0 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: 41.185 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

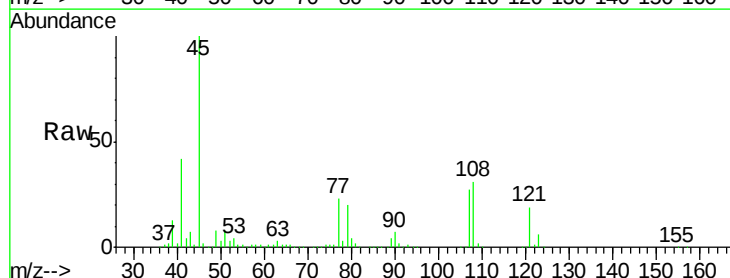
Tgt Ion: 45 Resp: 714330

Ion Ratio Lower Upper

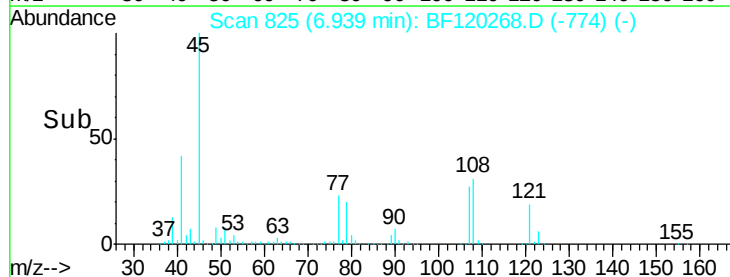
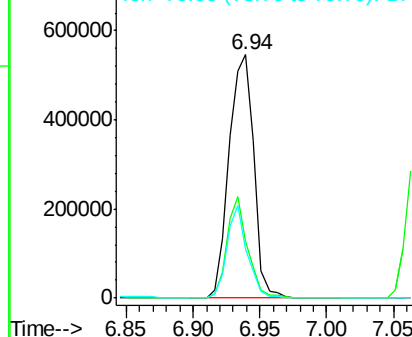
45 100

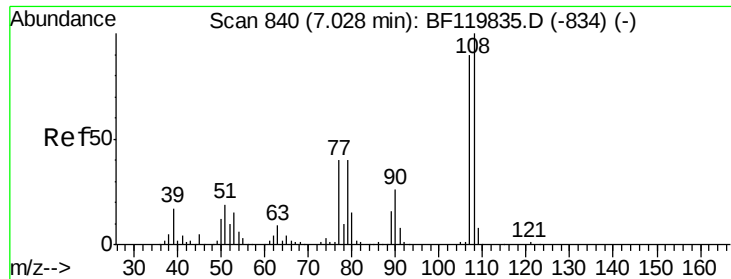
77 23.4 0.0 30.7

79 20.2 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

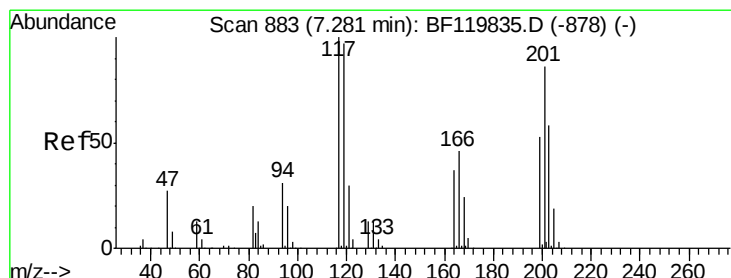
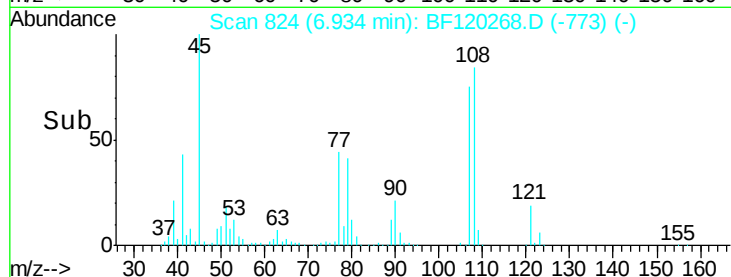
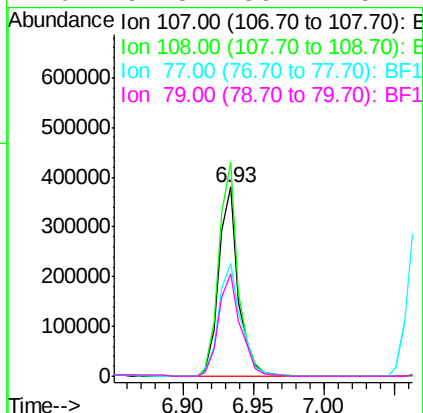
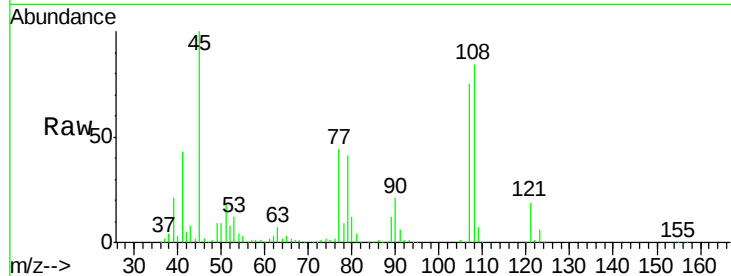




#17
2-Methylphenol
Concen: 46.211 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

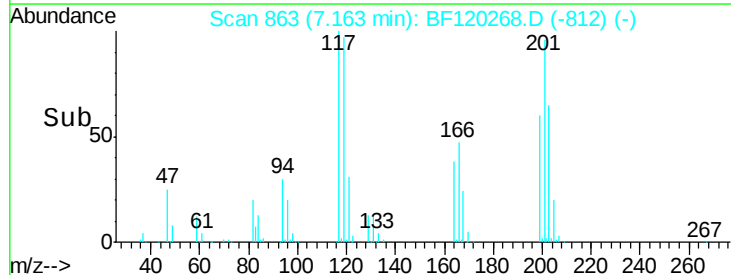
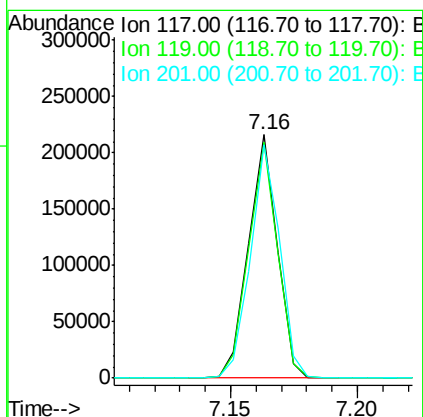
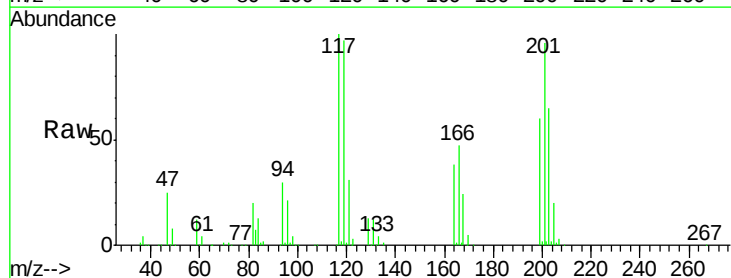
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

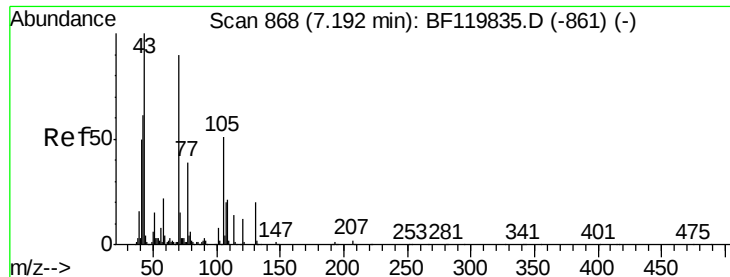
Tot Ion:107 Resp: 363859
Ion Ratio Lower Upper
107 100
108 112.8 92.2 138.4
77 59.5 36.6 54.8#
79 54.3 36.2 54.4



#18
Hexachloroethane
Concen: 46.861 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:117 Resp: 172326
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1
201 95.7 73.0 109.6

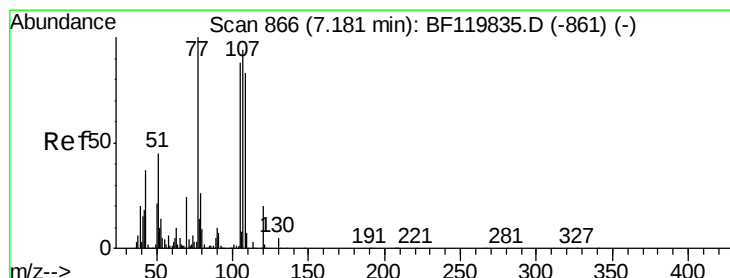
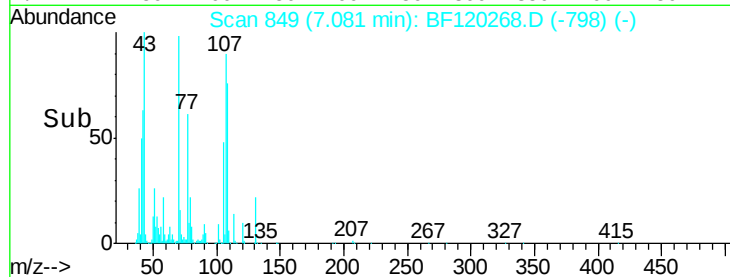
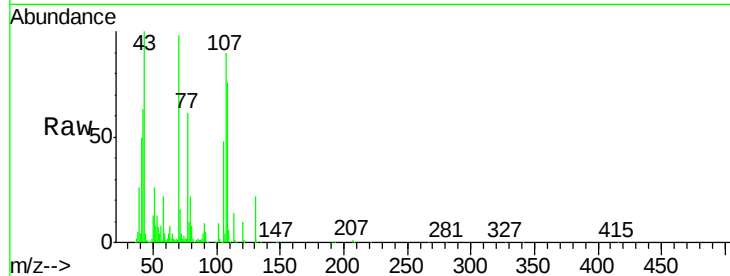
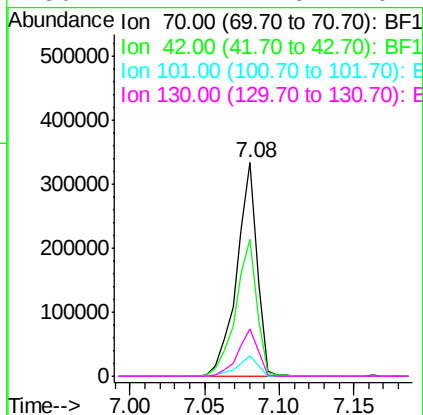




#19
n-Nitroso-di-n-propylamine
Concen: 48.462 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

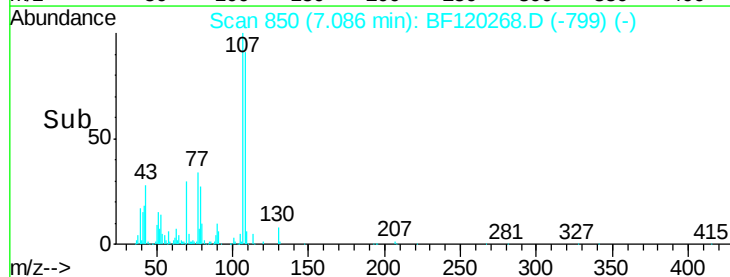
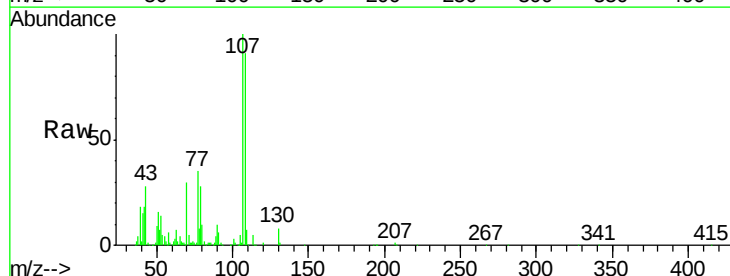
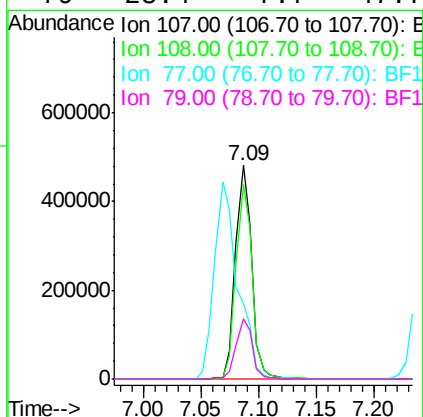
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

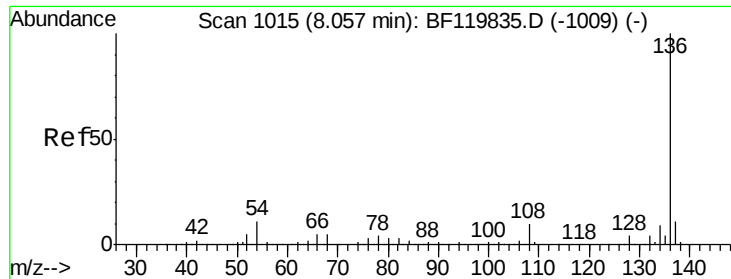
Tot Ion:	70	Resp:	317099
Ion	Ratio	Lower	Upper
70	100		
42	64.4	54.5	81.7
101	9.4	7.6	11.4
130	22.2	17.6	26.4



#20
3+4-Methylphenols
Concen: 49.003 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:	107	Resp:	471900
Ion	Ratio	Lower	Upper
107	100		
108	91.2	67.9	107.9
77	35.2	52.9	92.9#
79	28.4	7.7	47.7

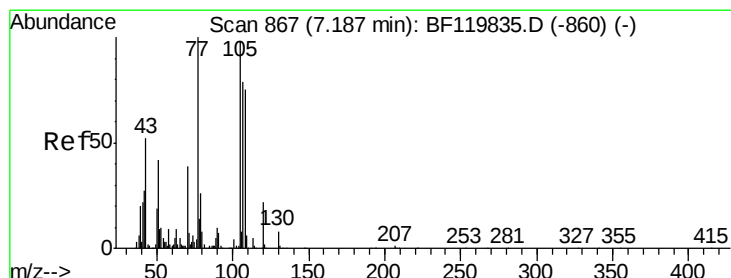
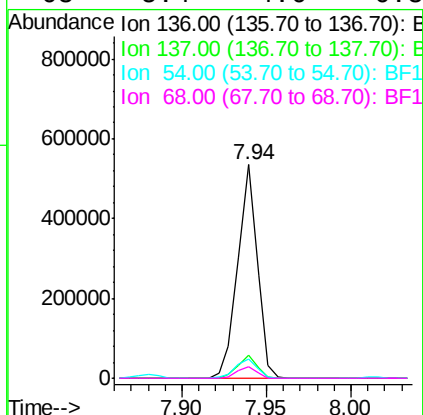
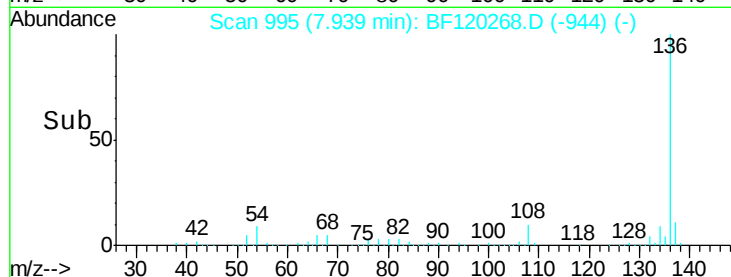
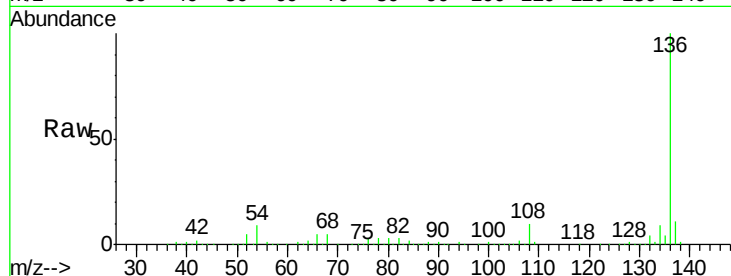




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

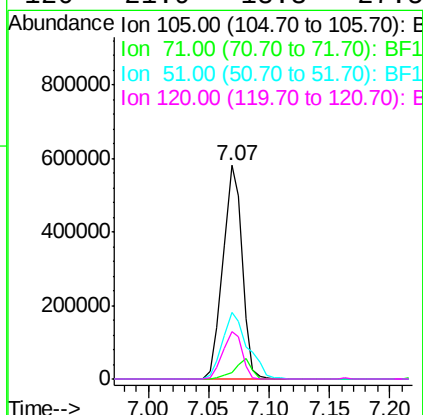
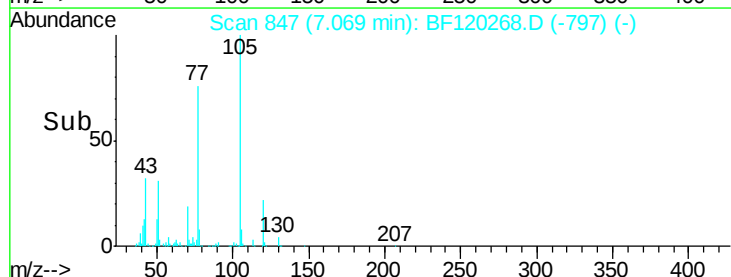
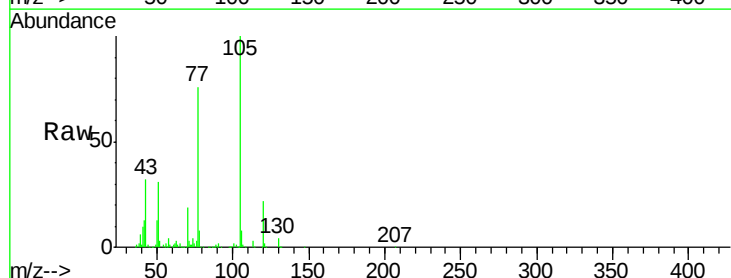
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

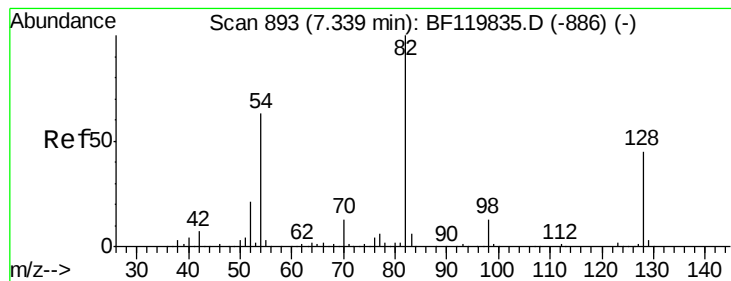
Tot Ion:136	Resp:	432072
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	8.9	9.1 13.7#
68	5.4	4.6 6.8



#22
Acetophenone
Concen: 62.979 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:105	Resp:	637202
Ion Ratio	Lower	Upper
105	100	
71	3.1	5.7 8.5#
51	31.3	26.2 39.4
120	21.9	18.3 27.5





#23

Nitrobenzene-d5

Concen: 91.946 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

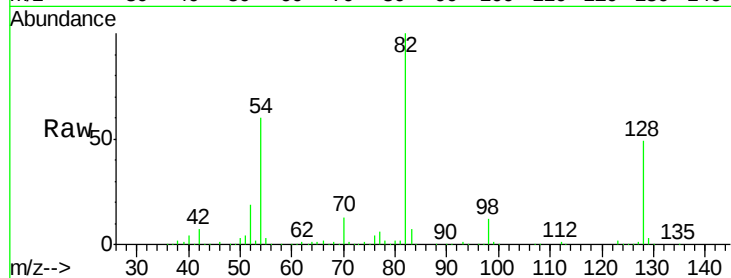
Tot Ion: 82 Resp: 767921

Ion Ratio Lower Upper

82 100

128 48.6 36.3 54.5

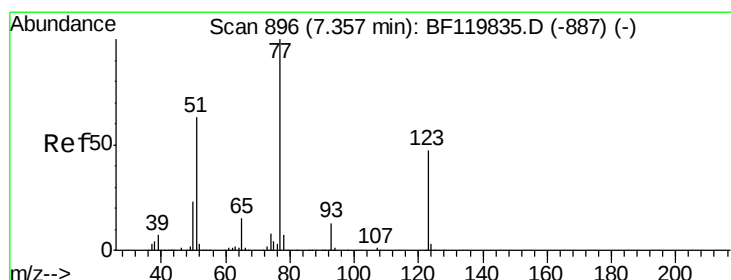
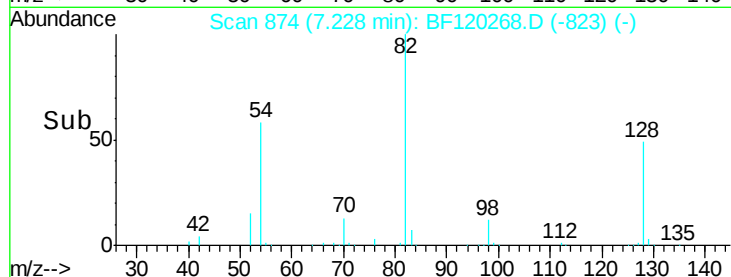
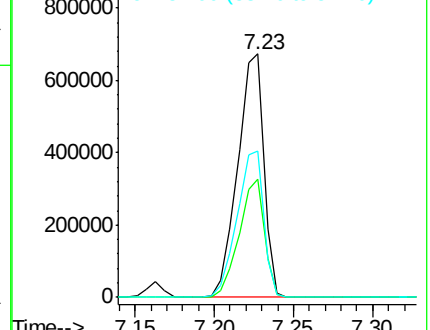
54 60.3 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 55.364 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

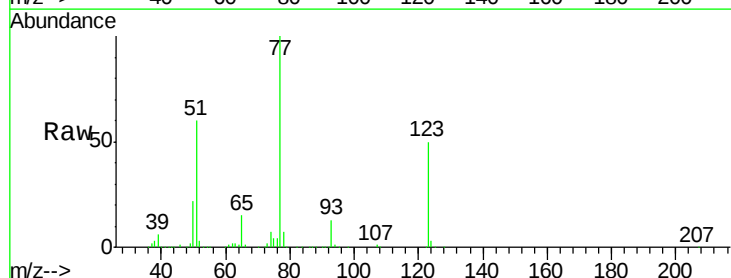
Tgt Ion: 77 Resp: 465154

Ion Ratio Lower Upper

77 100

123 50.3 38.0 57.0

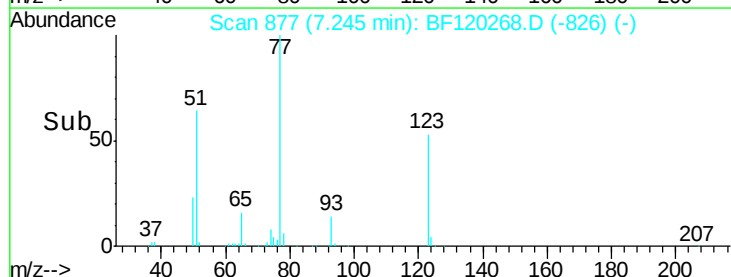
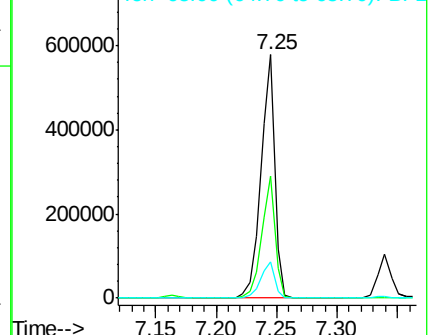
65 14.9 12.6 18.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 53.503 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

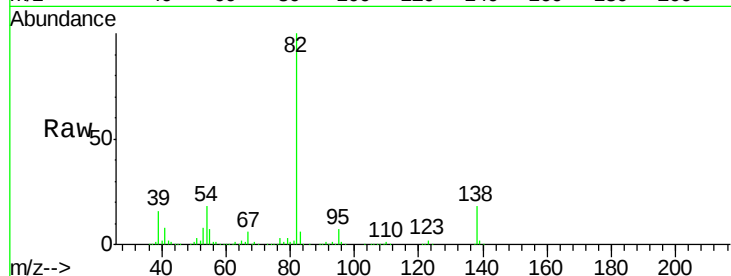
Tot Ion: 82 Resp: 861389

Ion Ratio Lower Upper

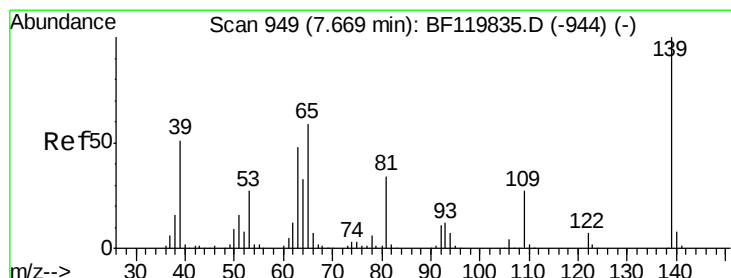
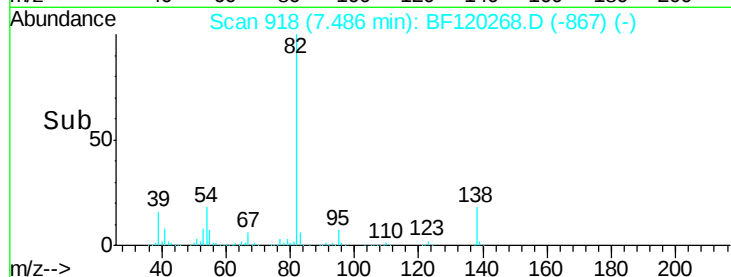
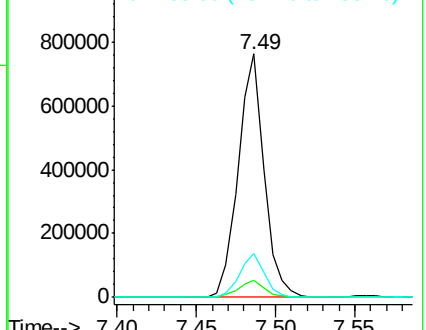
82 100

95 6.8 5.8 8.6

138 18.3 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: 58.094 ng

RT: 7.56 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

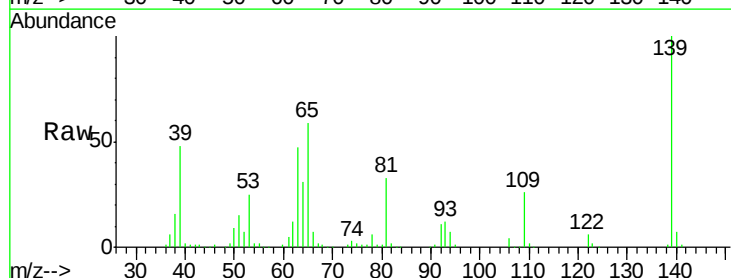
Tgt Ion: 139 Resp: 243847

Ion Ratio Lower Upper

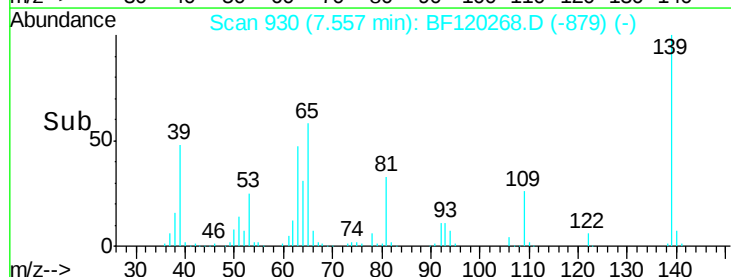
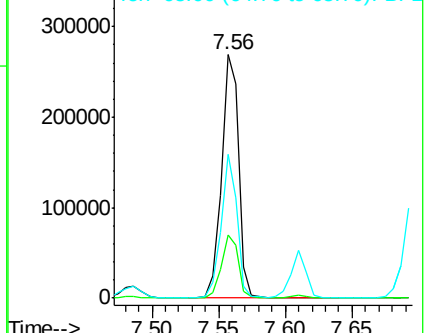
139 100

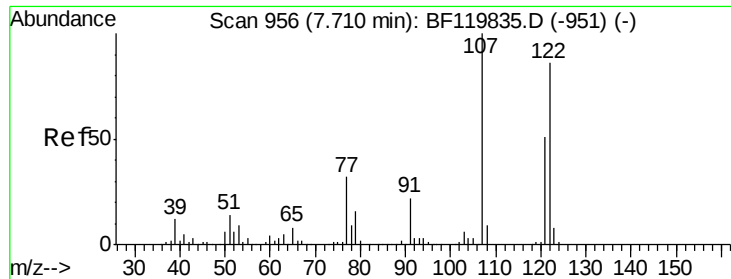
109 25.8 22.1 33.1

65 58.8 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

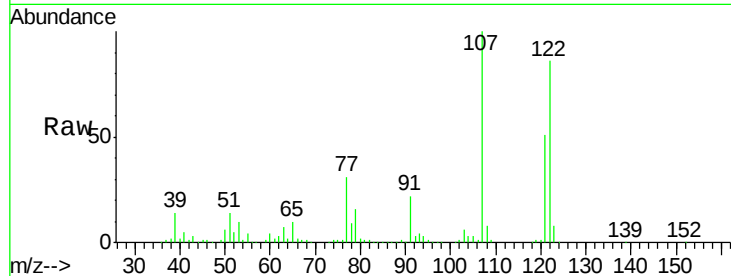




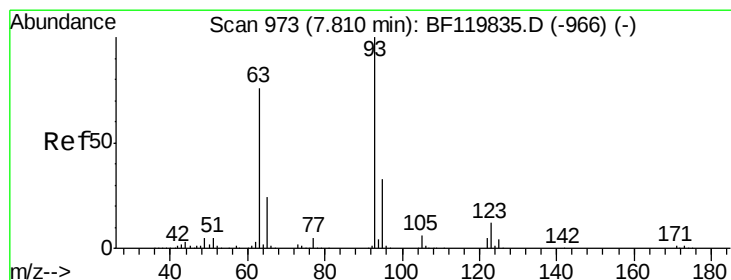
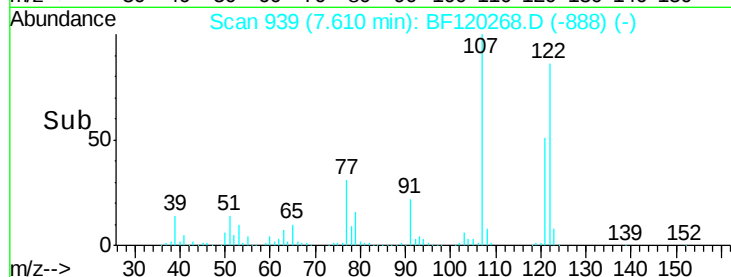
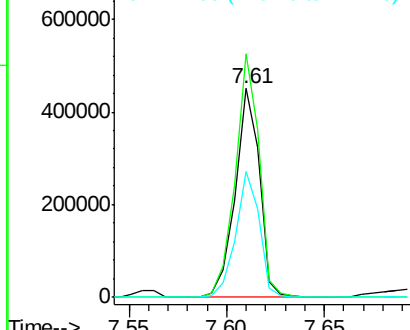
#27
2,4-Dimethylphenol
Concen: 61.377 ng
RT: 7.61 min Scan# 939
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:122 Resp: 388552
Ion Ratio Lower Upper
122 100
107 116.5 89.0 133.6
121 60.0 46.7 70.1

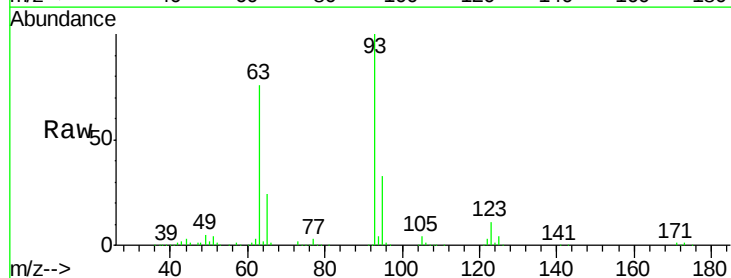


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

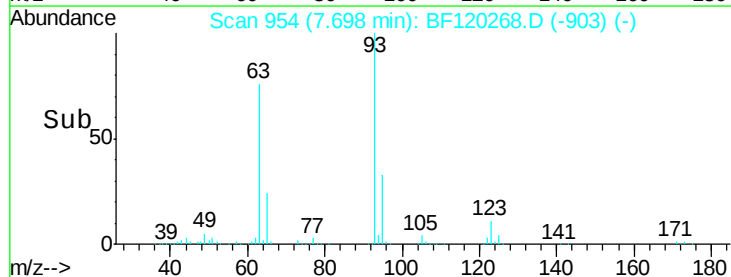
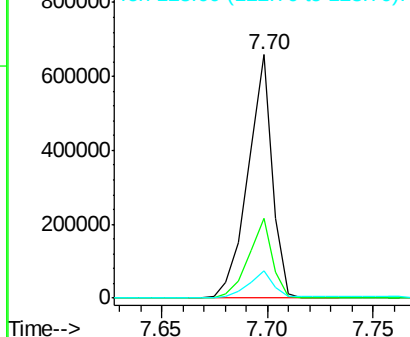


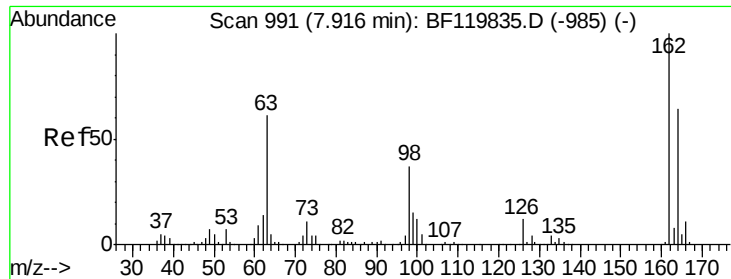
#28
bis(2-Chloroethoxy)methane
Concen: 55.747 ng
RT: 7.70 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion: 93 Resp: 528142
Ion Ratio Lower Upper
93 100
95 32.8 26.3 39.5
123 11.1 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

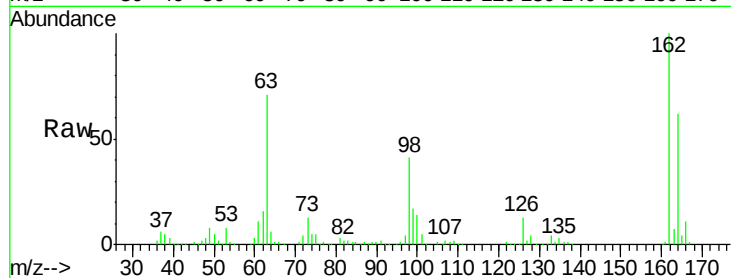




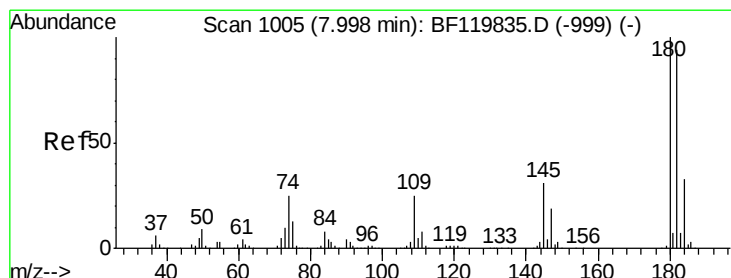
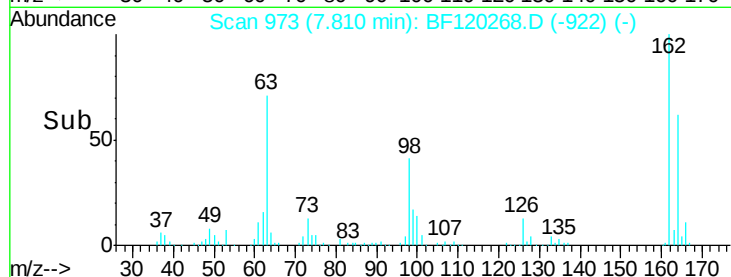
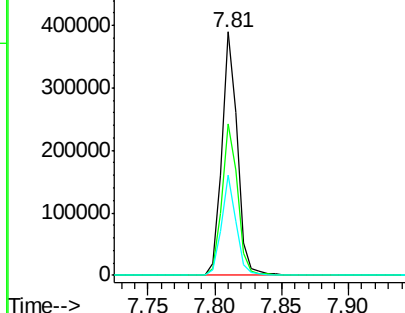
#29
 2,4-Dichlorophenol
 Concen: 49.634 ng
 RT: 7.81 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

Tot Ion:162 Resp: 322076
 Ion Ratio Lower Upper
 162 100
 164 62.2 44.7 84.7
 98 41.0 20.7 60.7

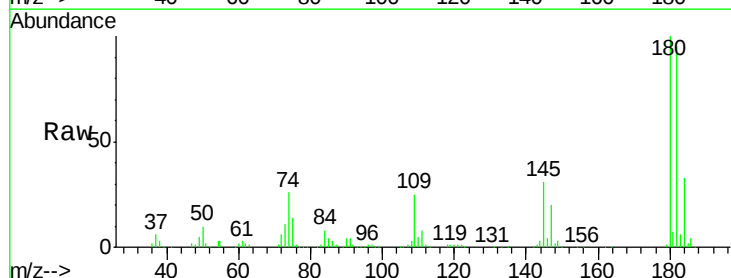


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

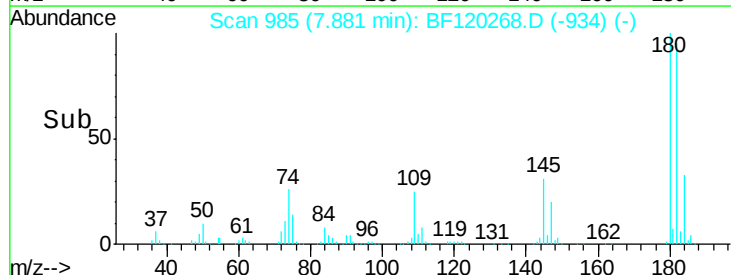
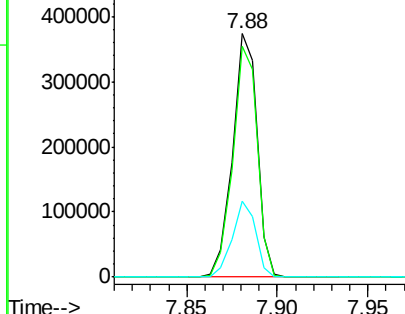


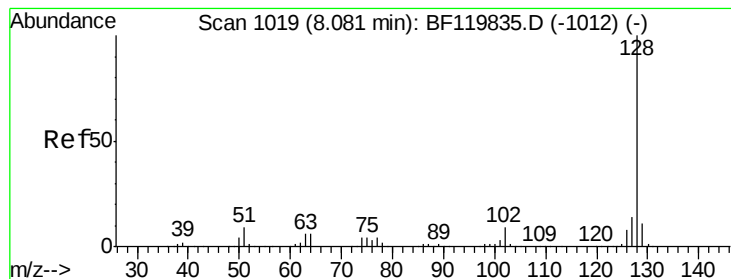
#30
 1,2,4-Trichlorobenzene
 Concen: 47.823 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:180 Resp: 351619
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.7 112.1
 145 31.4 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: 48.321 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

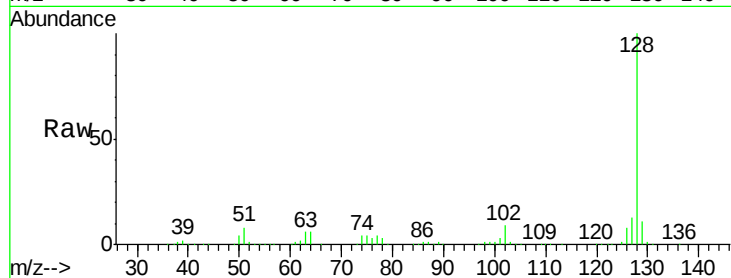
Tot Ion:128 Resp: 1098461

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

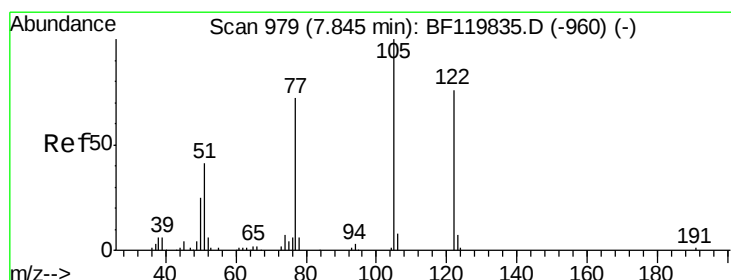
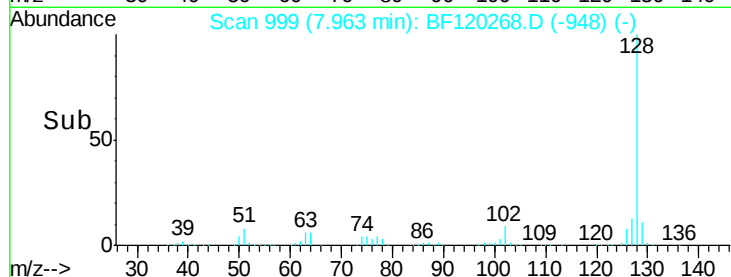
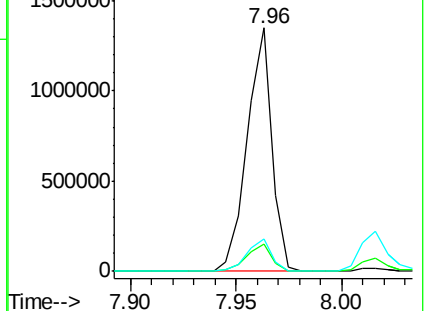
127 13.3 11.3 16.9



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: 44.090 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

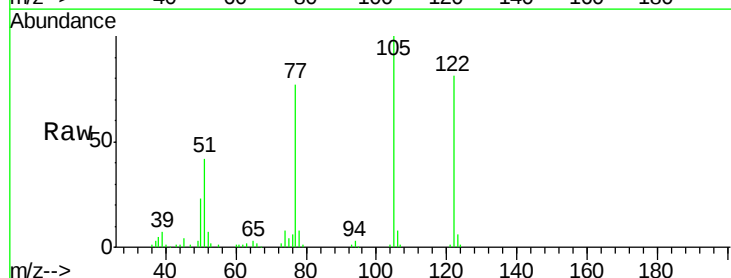
Tgt Ion:122 Resp: 245132

Ion Ratio Lower Upper

122 100

105 123.9 104.9 144.9

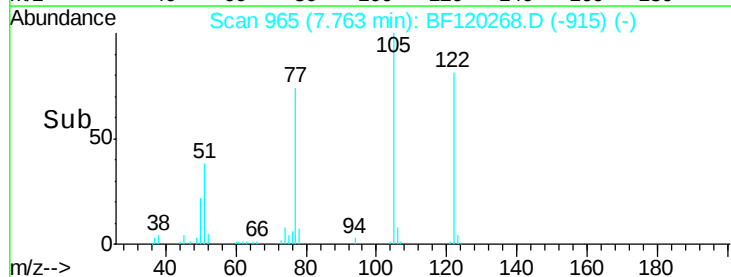
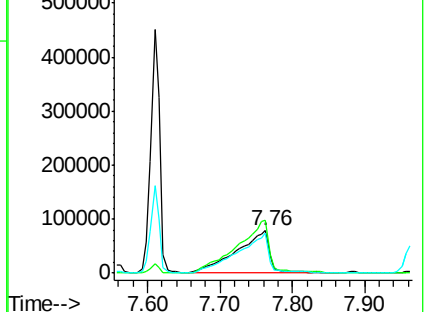
77 95.8 74.4 114.4

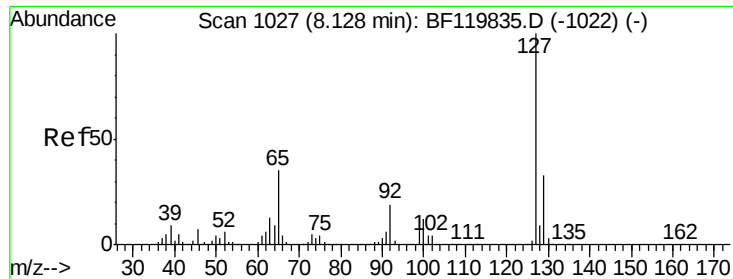


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

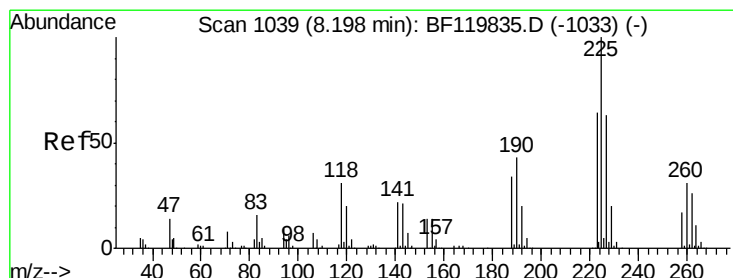
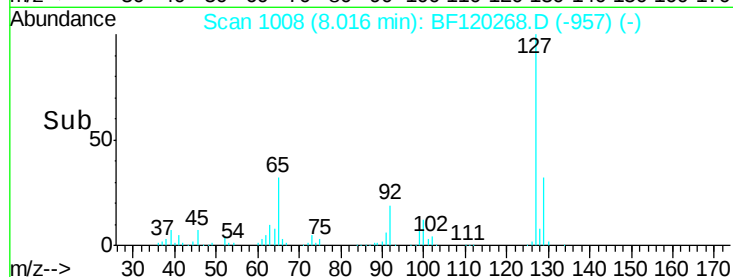
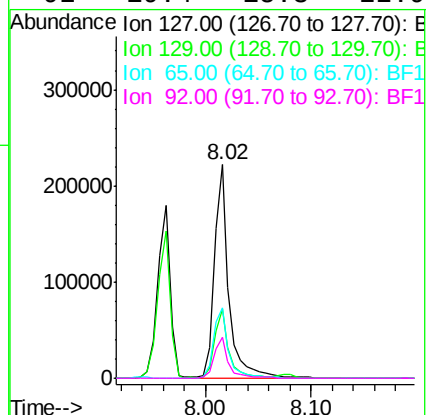
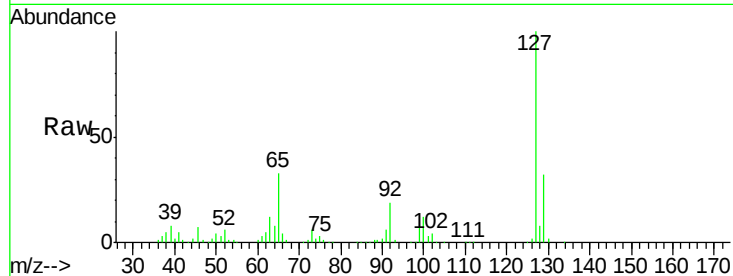




#33
4-Chloroaniline
Concen: 21.574 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

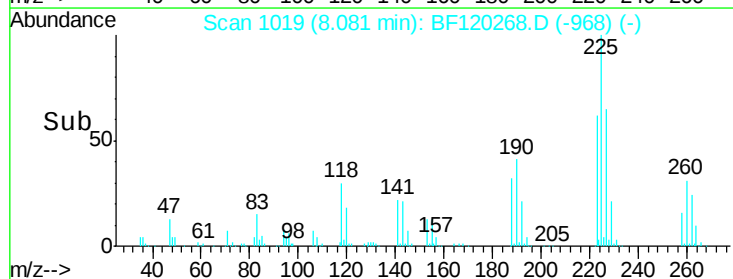
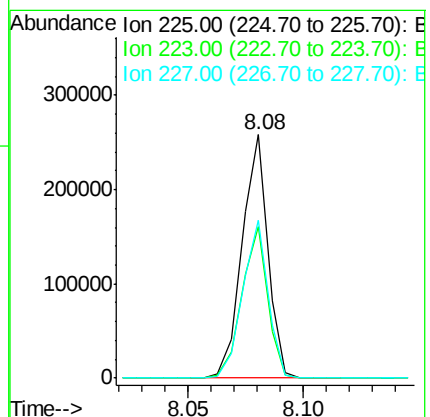
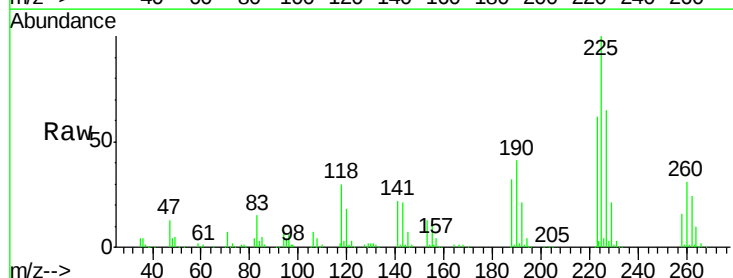
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

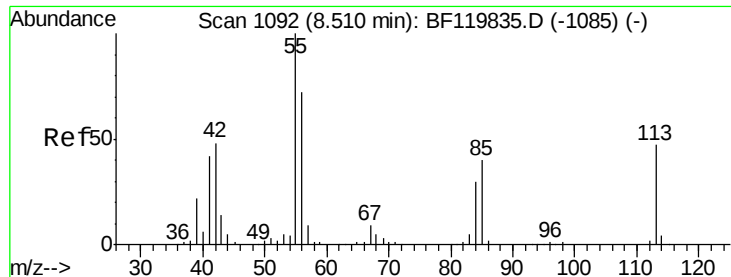
Tot Ion:	127	Resp:	213503
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	32.9	27.4	41.0
92	19.4	15.3	22.9



#34
Hexachlorobutadiene
Concen: 45.732 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:	225	Resp:	201282
Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.0	76.6
227	64.7	50.7	76.1

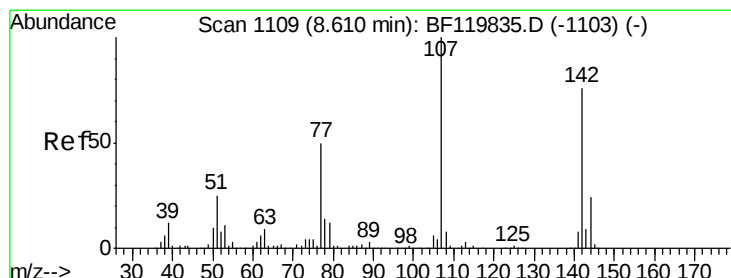
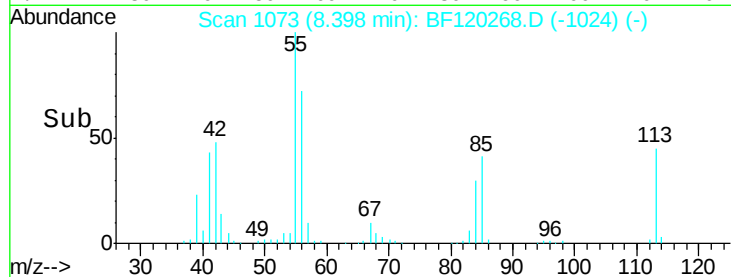
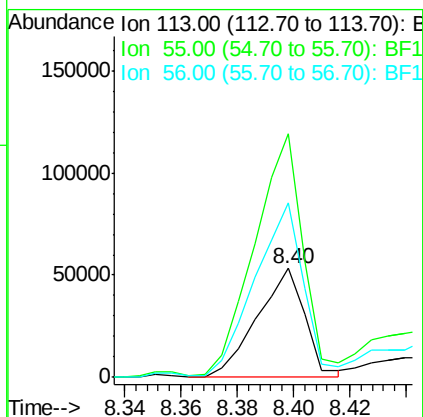
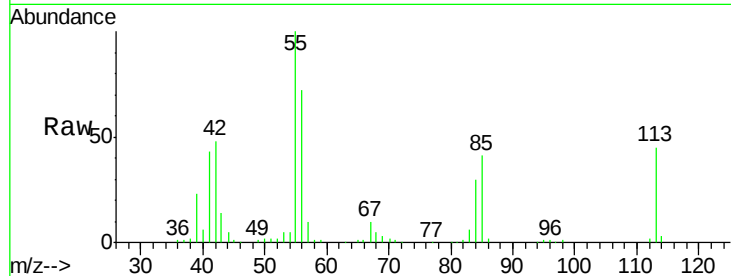




#35
 Caprolactam
 Concen: 31.015 ng
 RT: 8.40 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

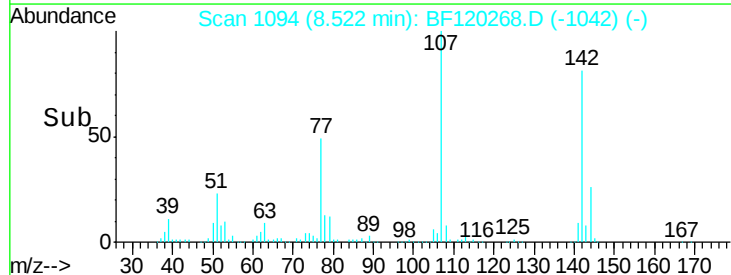
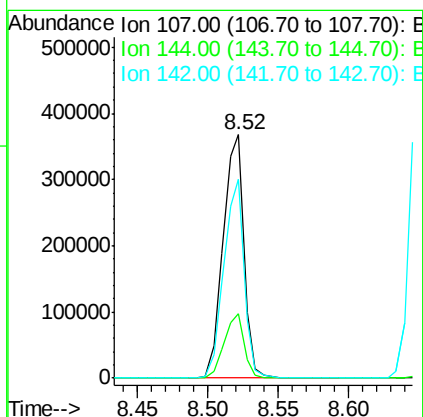
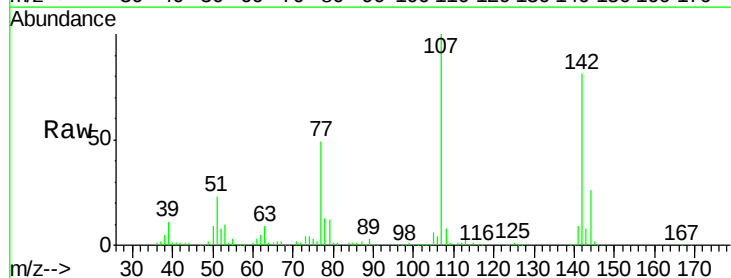
Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

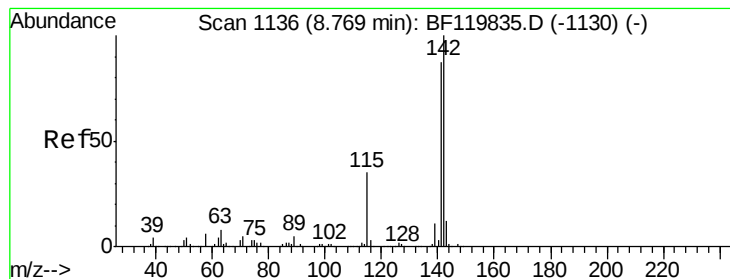
Tot Ion:113 Resp: 61563
 Ion Ratio Lower Upper
 113 100
 55 224.1 218.4 258.4
 56 160.9 148.9 188.9



#36
 4-Chloro-3-methylphenol
 Concen: 53.739 ng
 RT: 8.52 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:107 Resp: 377538
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.0 31.6
 142 81.5 64.4 96.6





#37

2-Methylnaphthalene

Concen: 46.720 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

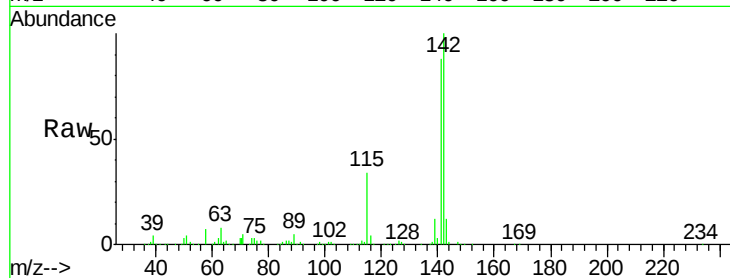
Tot Ion:142 Resp: 720046

Ion Ratio Lower Upper

142 100

141 87.7 71.7 107.5

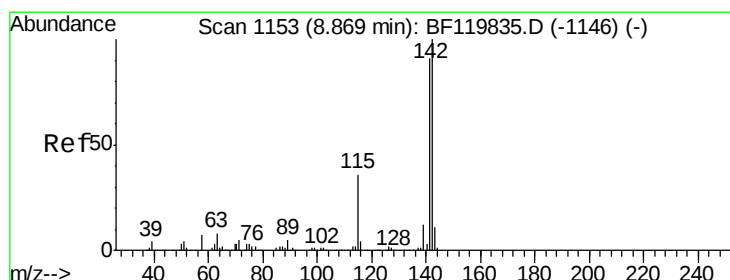
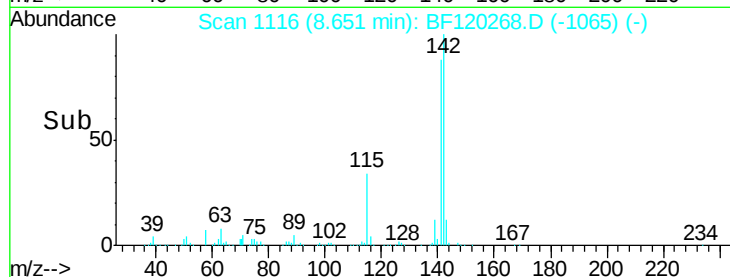
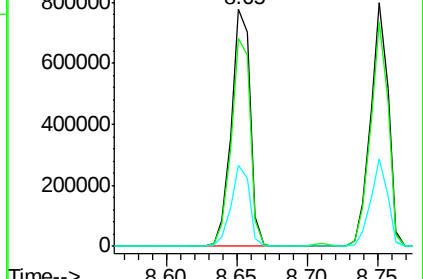
115 34.1 27.9 41.9



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: 47.945 ng

RT: 8.75 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

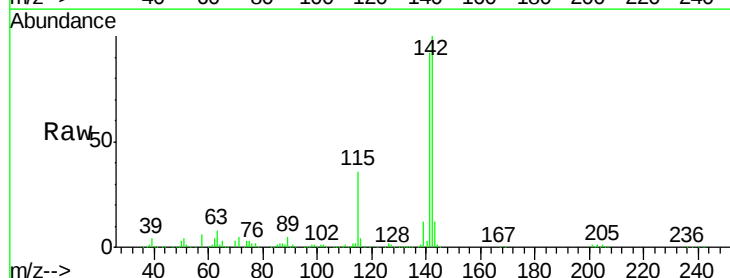
Tgt Ion:142 Resp: 696471

Ion Ratio Lower Upper

142 100

141 92.2 73.7 110.5

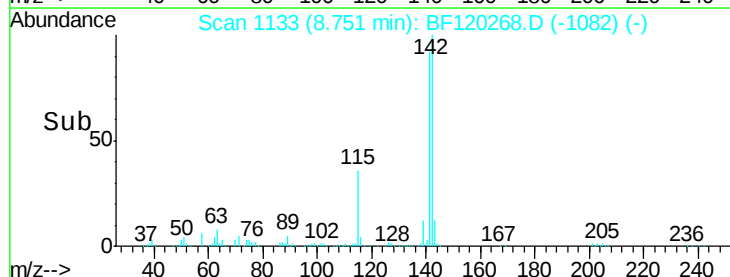
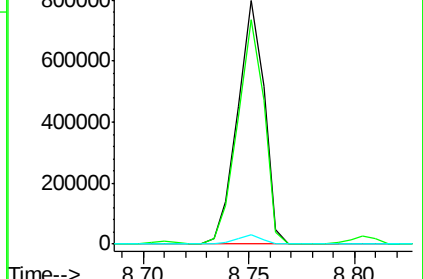
116 3.7 3.0 4.6

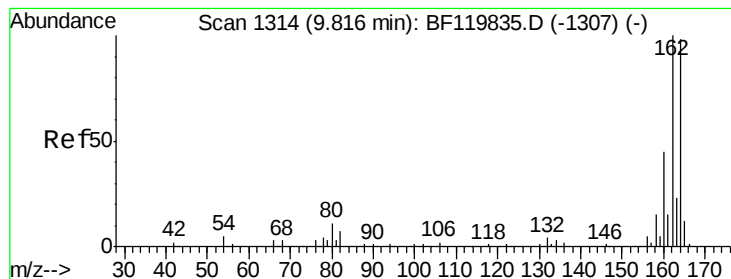


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

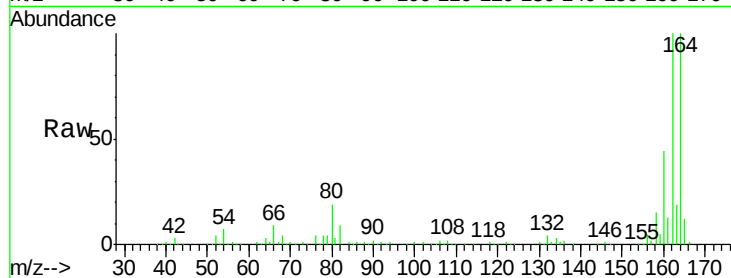
Tot Ion:164 Resp: 195980

Ion Ratio Lower Upper

164 100

162 100.2 80.6 121.0

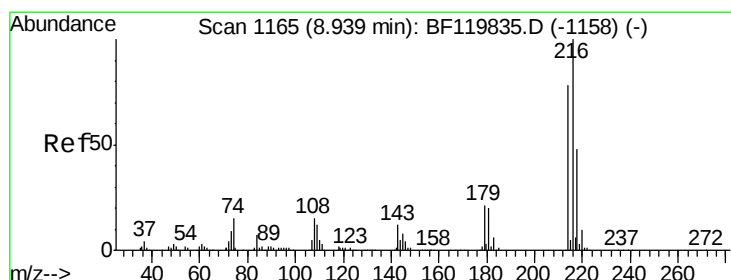
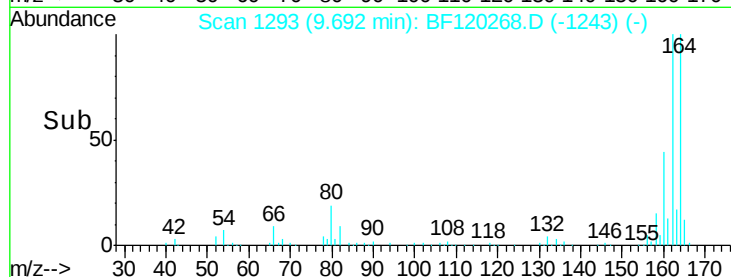
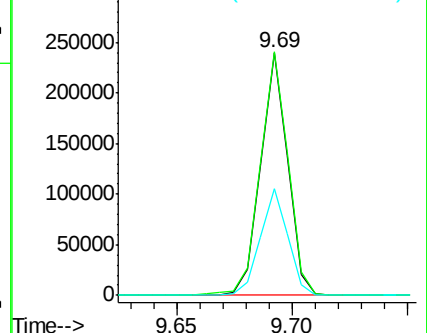
160 43.9 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.921 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Tgt Ion:216 Resp: 321383

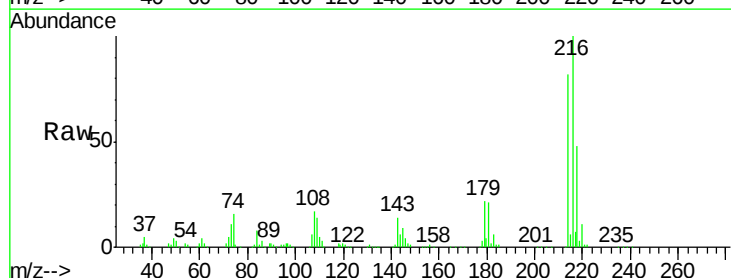
Ion Ratio Lower Upper

216 100

214 81.0 63.2 94.8

179 21.6 17.1 25.7

108 18.5 15.1 22.7

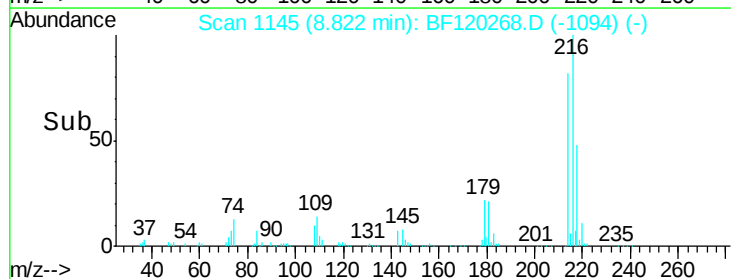
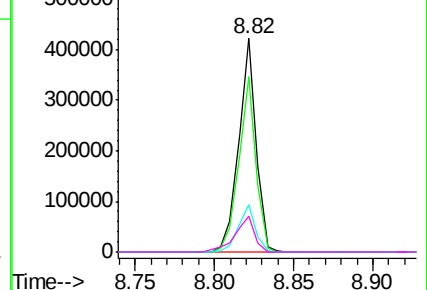


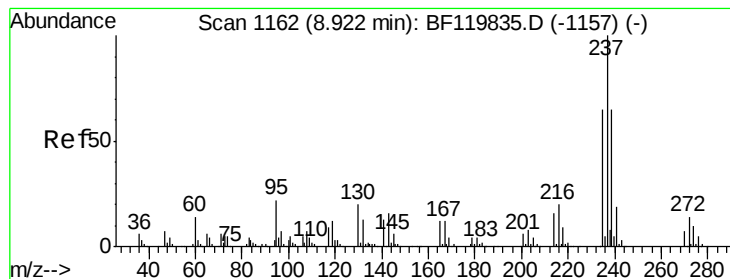
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 53.830 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

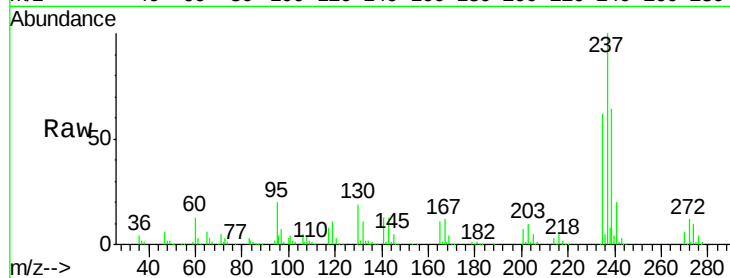
Tot Ion:237 Resp: 189472

Ion Ratio Lower Upper

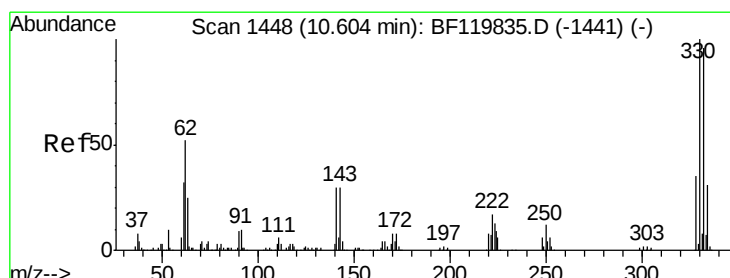
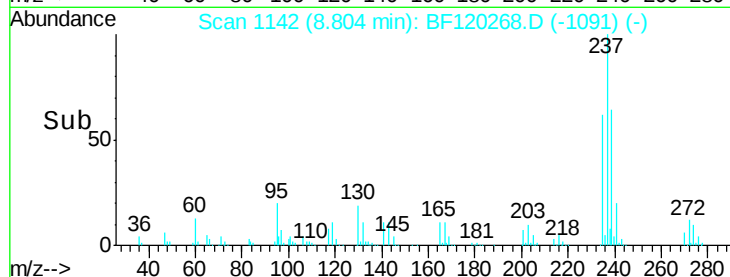
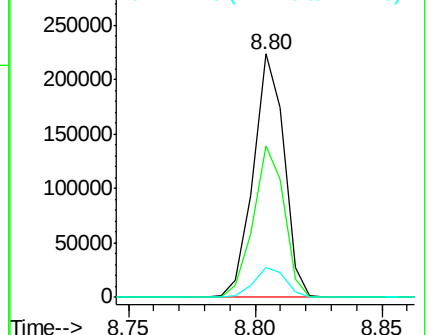
237 100

235 62.3 43.2 83.2

272 12.2 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: 101.004 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

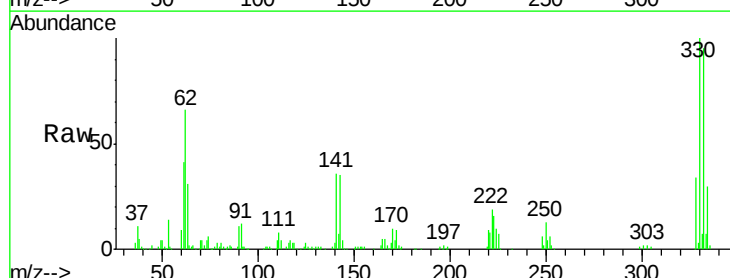
Tgt Ion:330 Resp: 242354

Ion Ratio Lower Upper

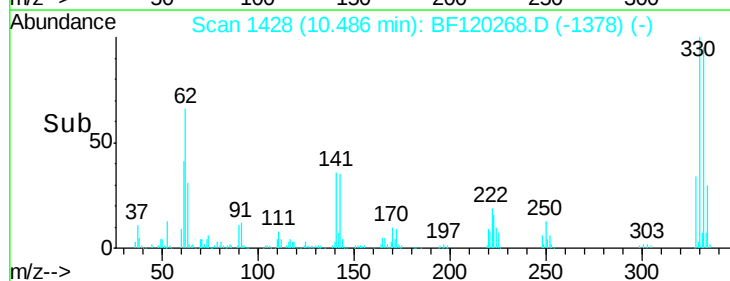
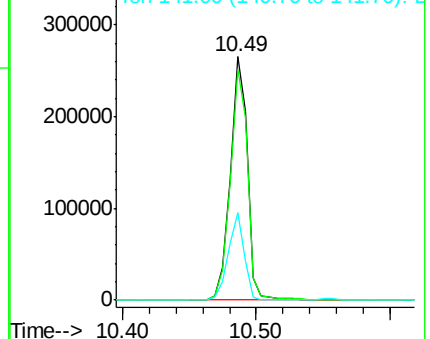
330 100

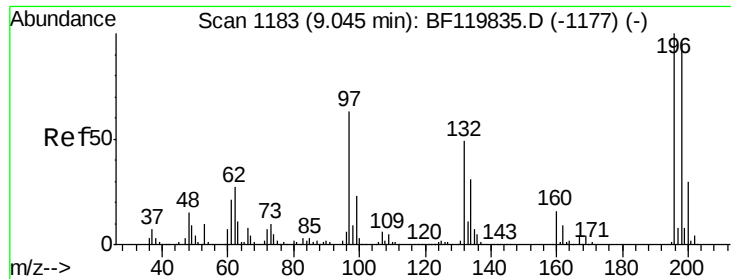
332 95.9 75.7 113.5

141 34.1 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

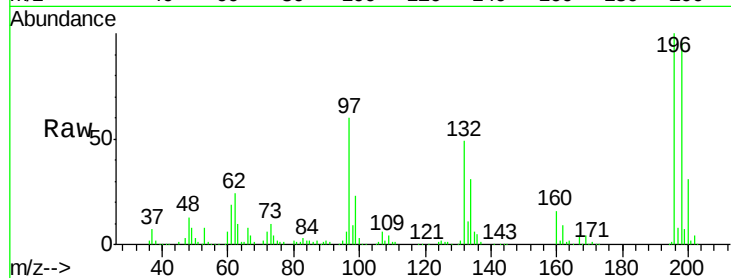




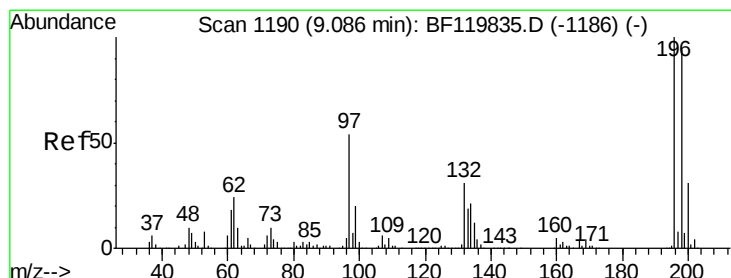
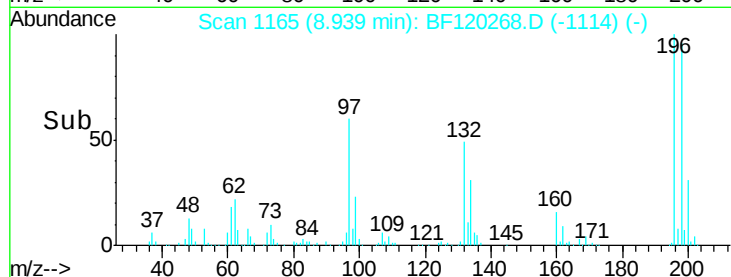
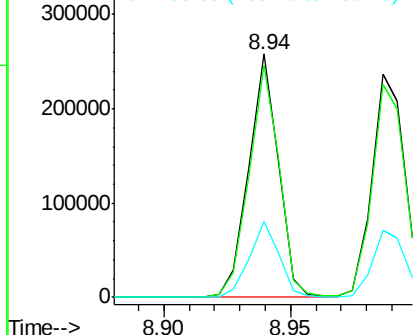
#43
 2,4,6-Trichlorophenol
 Concen: 49.521 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

Tot Ion:196 Resp: 211671
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.6 115.0
 200 31.3 24.6 36.8



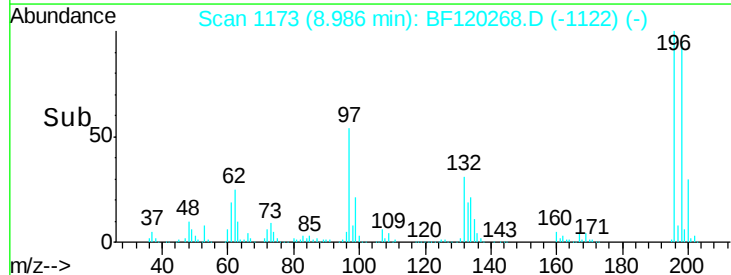
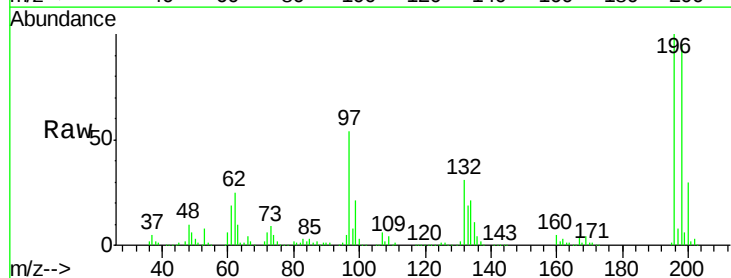
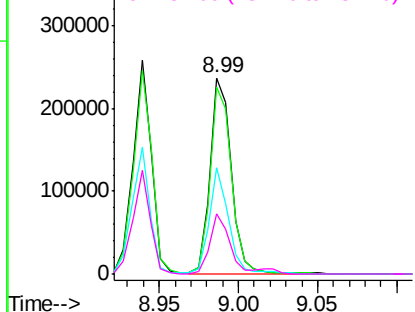
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

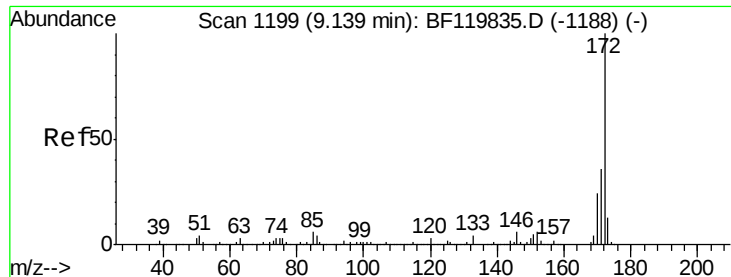


#44
 2,4,5-Trichlorophenol
 Concen: 46.380 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:196 Resp: 223283
 Ion Ratio Lower Upper
 196 100
 198 95.0 73.8 110.8
 97 54.0 42.6 63.8
 132 30.5 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

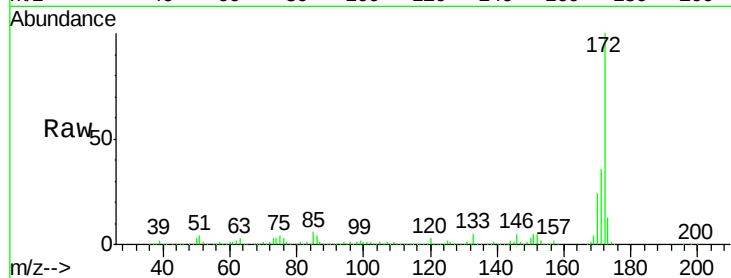




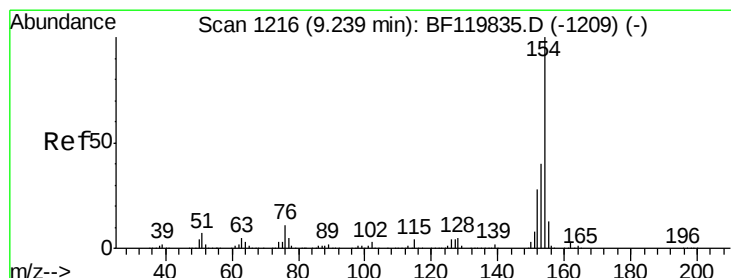
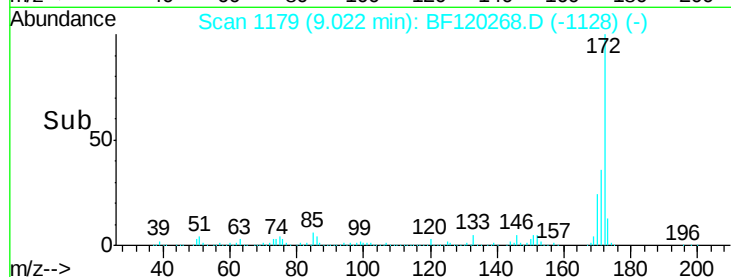
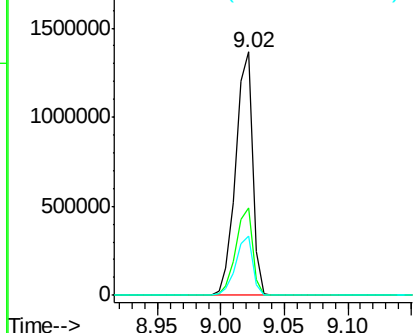
#45
2-Fluorobiphenyl
Concen: 90.247 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:172 Resp: 1245727
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.2 20.2 30.2

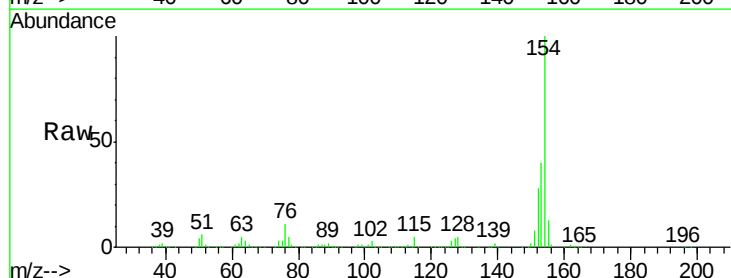


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

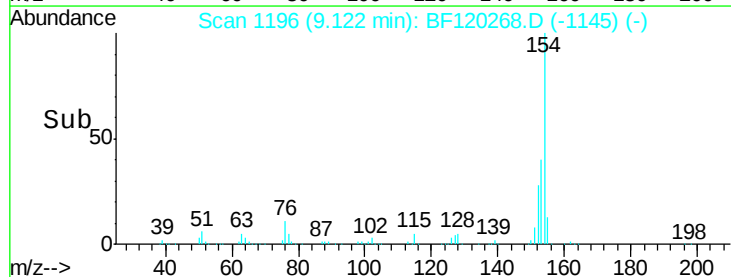
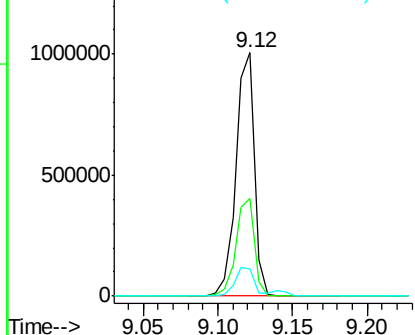


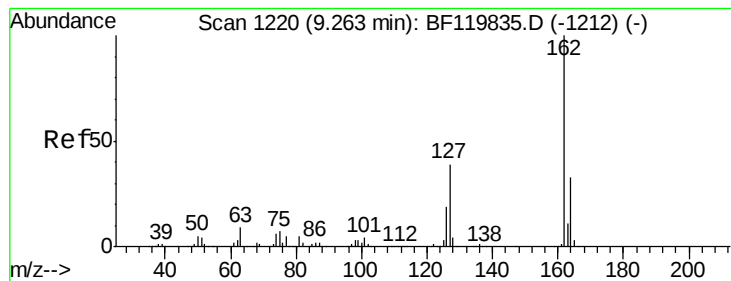
#46
1,1'-Biphenyl
Concen: 52.984 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:154 Resp: 876445
Ion Ratio Lower Upper
154 100
153 40.2 21.4 61.4
76 11.2 0.0 33.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 51.342 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

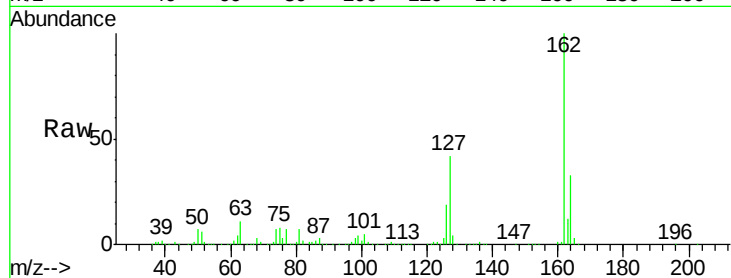
Tot Ion:162 Resp: 654249

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

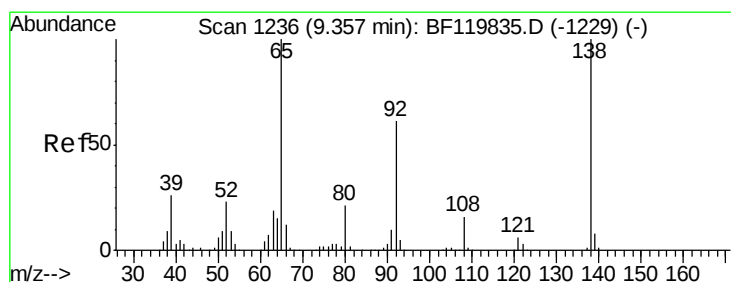
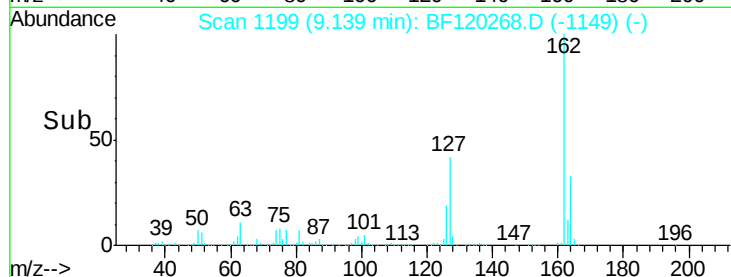
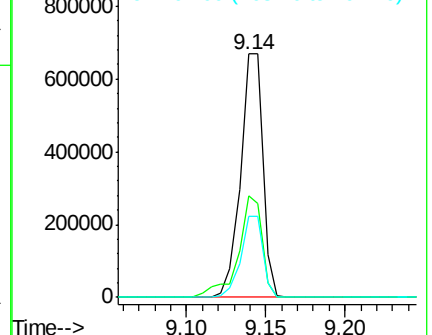
164 33.5 26.3 39.5



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: 47.232 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

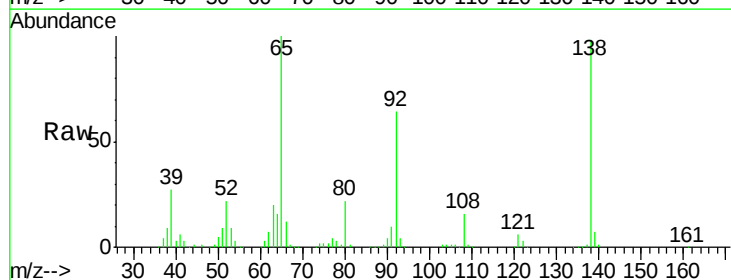
Tgt Ion: 65 Resp: 218110

Ion Ratio Lower Upper

65 100

92 63.9 50.0 75.0

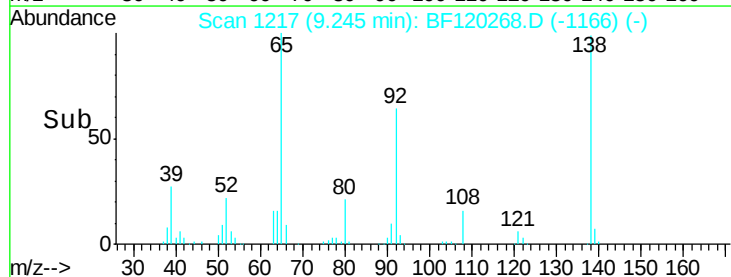
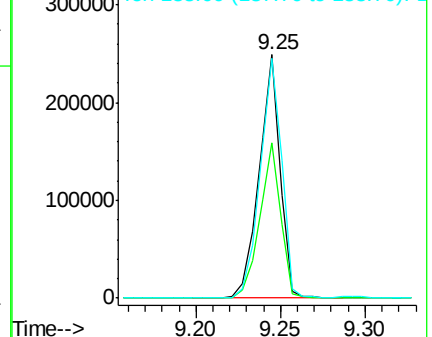
138 98.4 75.0 112.4

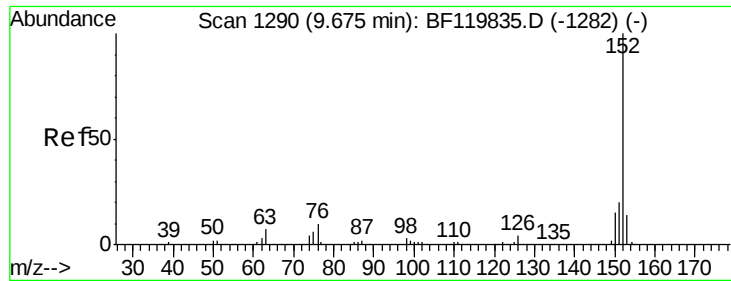


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 52.246 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

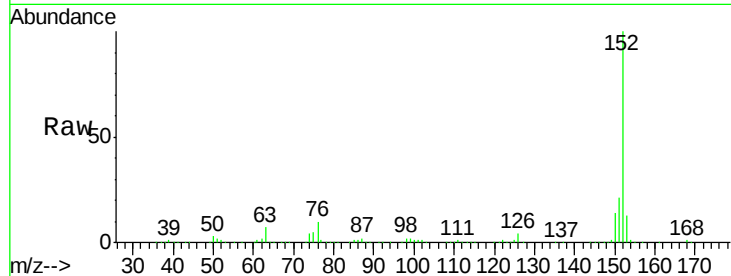
Tot Ion:152 Resp: 1012504

Ion Ratio Lower Upper

152 100

151 20.5 17.2 25.8

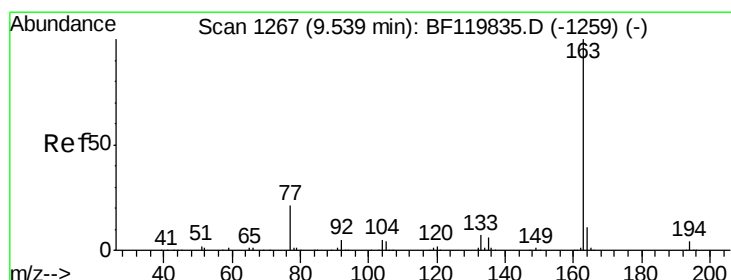
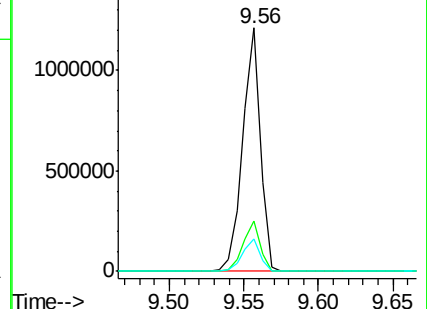
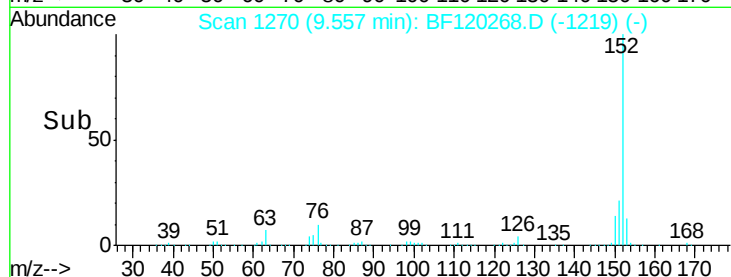
153 13.1 11.2 16.8



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: 66.566 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

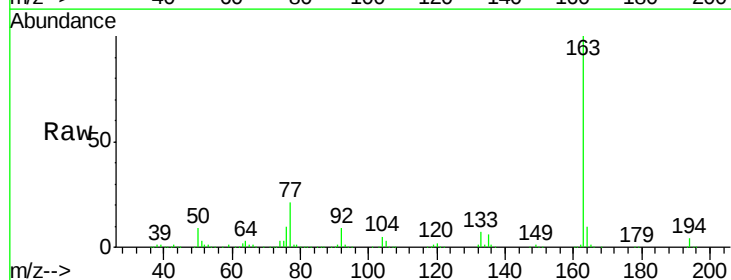
Tgt Ion:163 Resp: 1009064

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

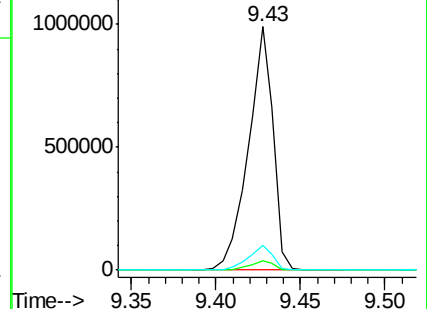
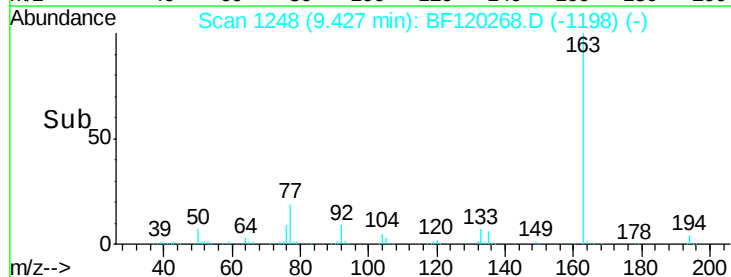
164 10.1 8.2 12.2

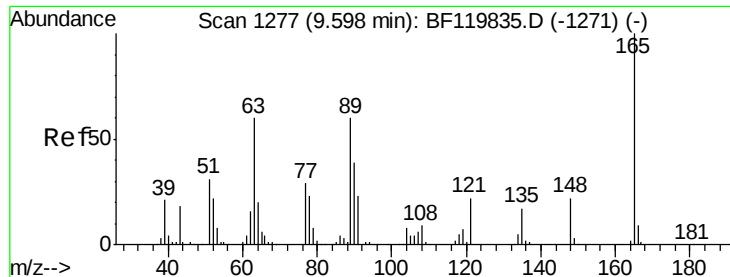


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

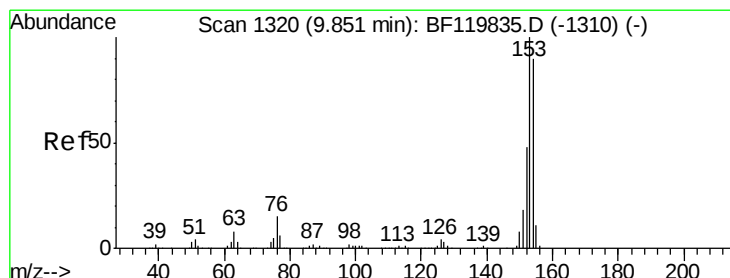
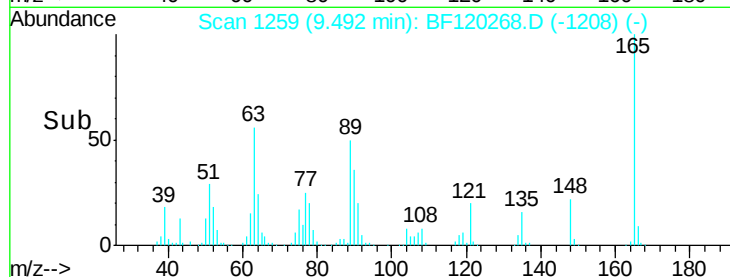
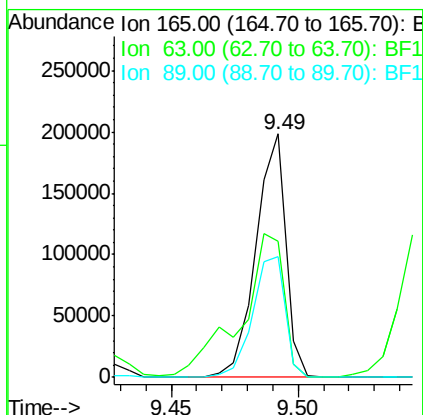
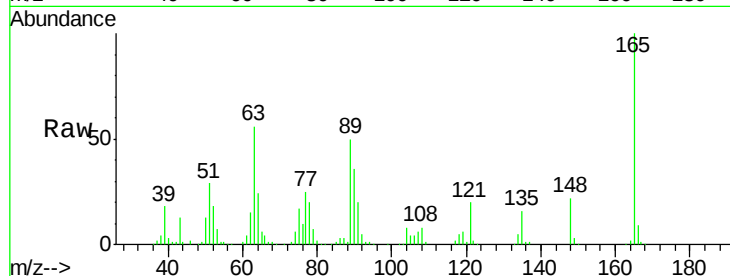




#51
 2,6-Dinitrotoluene
 Concen: 49.467 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

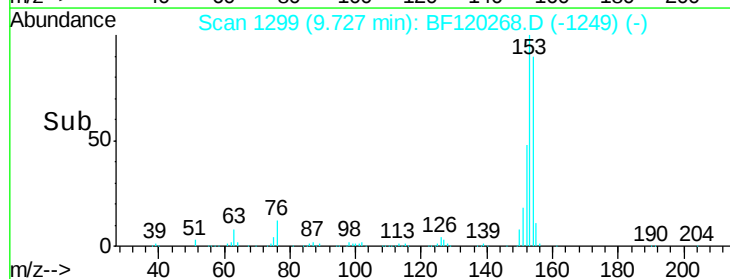
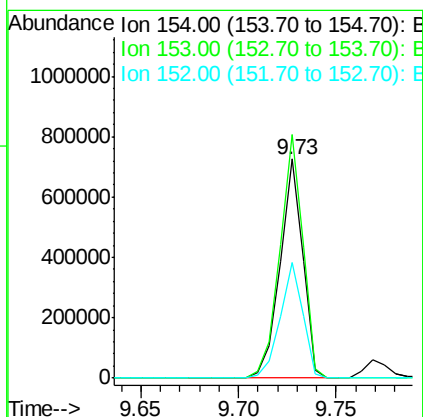
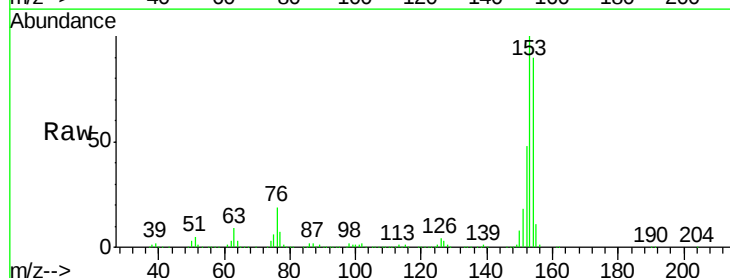
Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

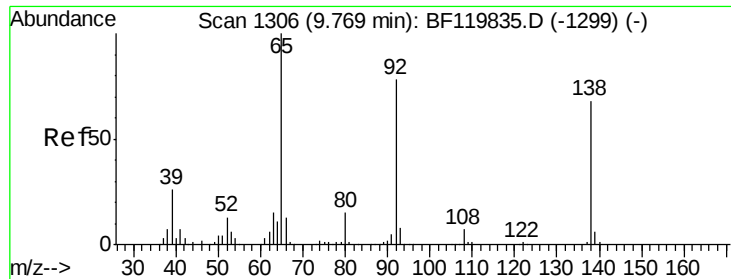
Tot Ion:165 Resp: 164208
 Ion Ratio Lower Upper
 165 100
 63 55.9 45.0 67.4
 89 49.6 41.5 62.3



#52
 Acenaphthene
 Concen: 45.445 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:154 Resp: 587484
 Ion Ratio Lower Upper
 154 100
 153 111.1 88.1 132.1
 152 53.0 43.0 64.4

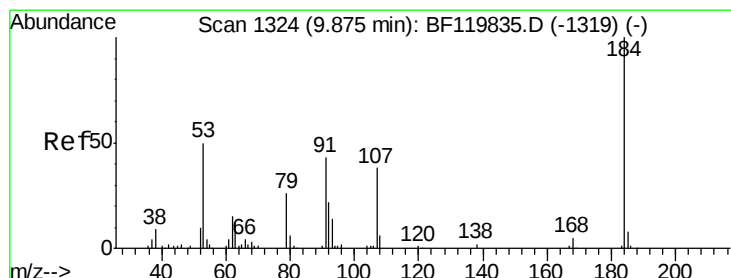
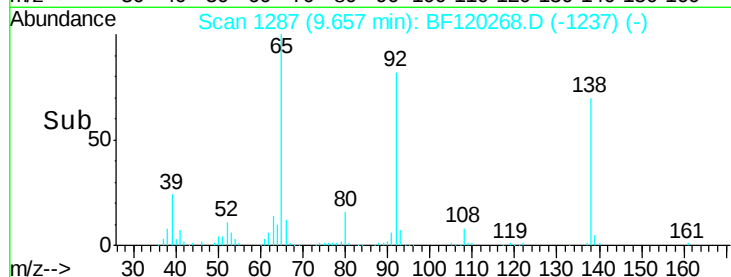
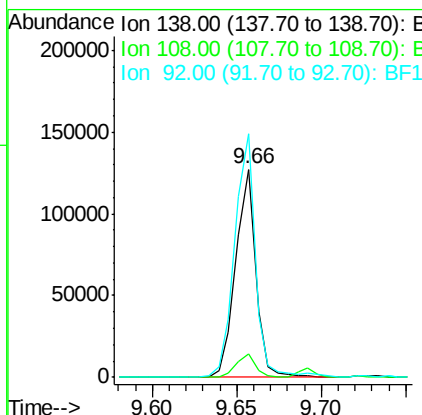
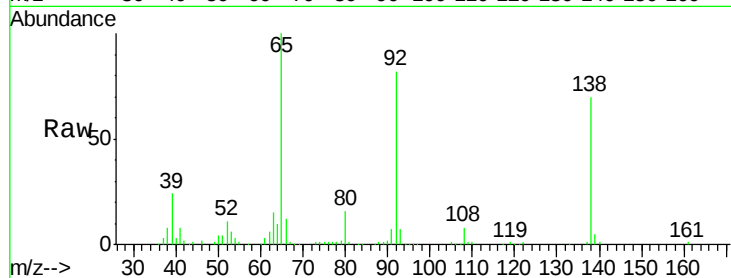




#53
 3-Nitroaniline
 Concen: 28.086 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

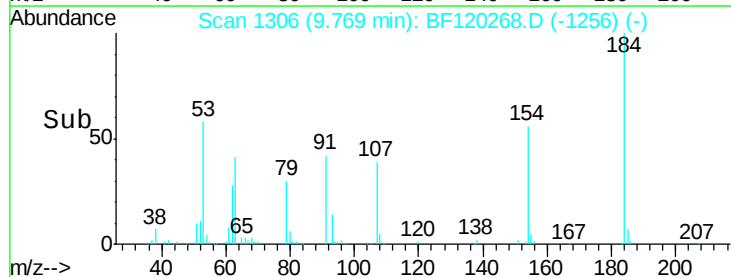
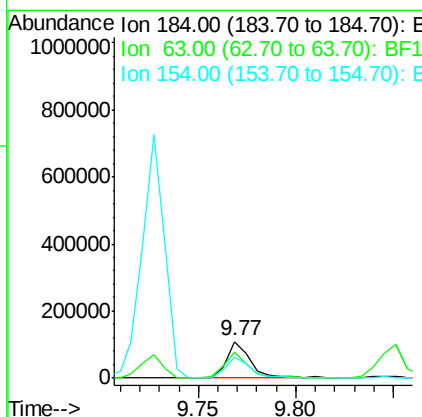
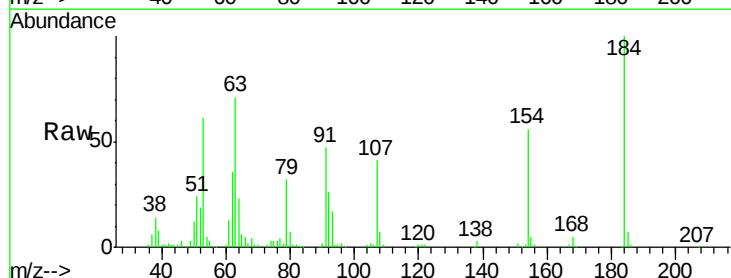
Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

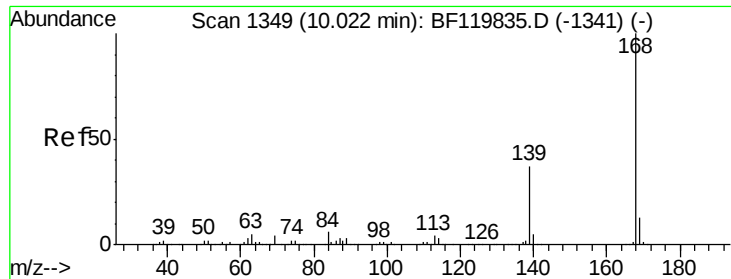
Tot Ion:138 Resp: 106480
 Ion Ratio Lower Upper
 138 100
 108 11.0 8.6 13.0
 92 117.1 95.4 143.0



#54
 2,4-Dinitrophenol
 Concen: 48.217 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:184 Resp: 95826
 Ion Ratio Lower Upper
 184 100
 63 71.2 50.2 75.4
 154 55.8 44.5 66.7

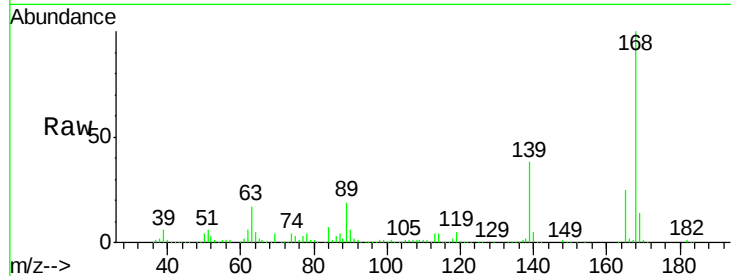




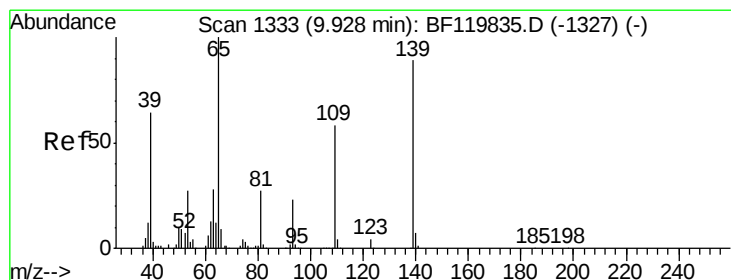
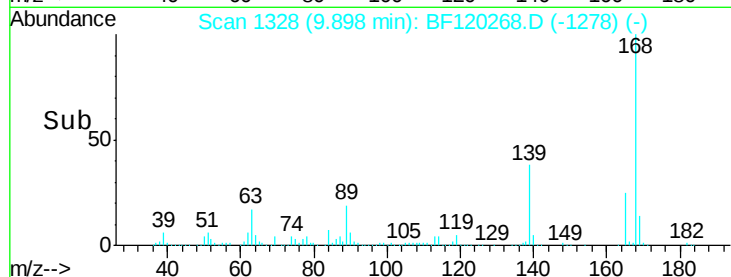
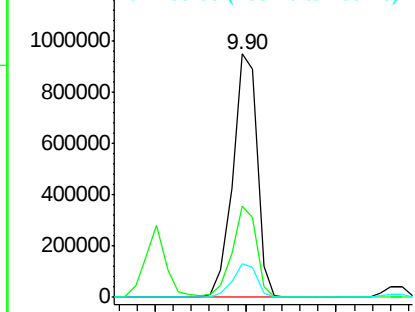
#55
Dibenzofuran
Concen: 50.270 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:168 Resp: 891781
Ion Ratio Lower Upper
168 100
139 37.6 30.1 45.1
169 13.7 11.0 16.6

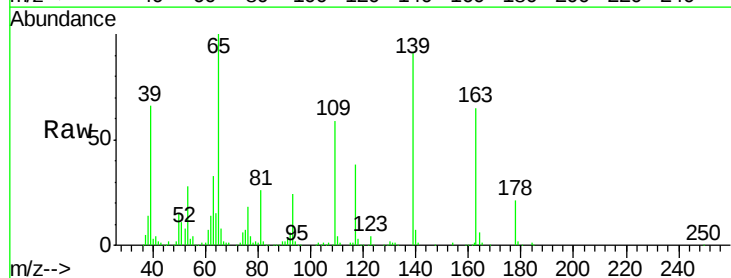


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

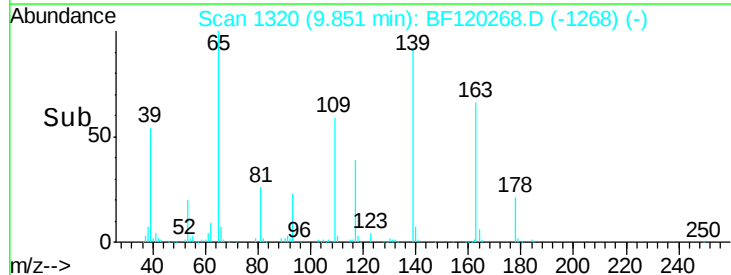
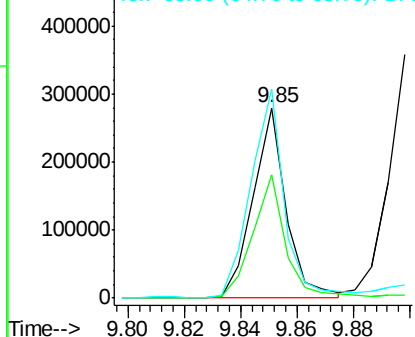


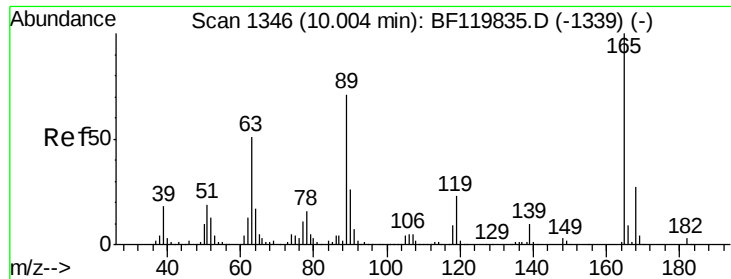
#56
4-Nitrophenol
Concen: 80.560 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:139 Resp: 227248
Ion Ratio Lower Upper
139 100
109 64.7 43.3 83.3
65 109.9 91.0 131.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

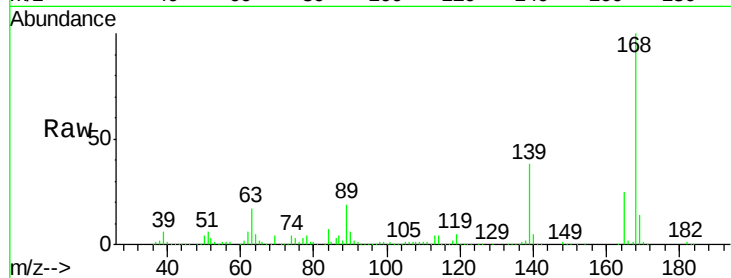




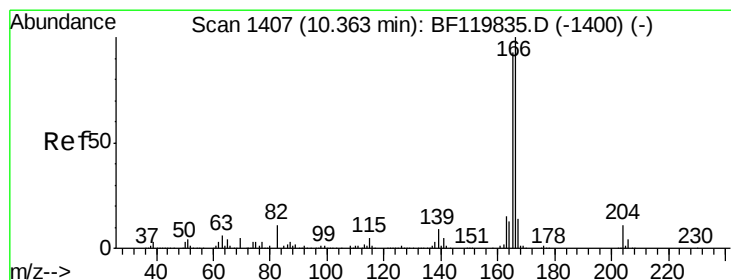
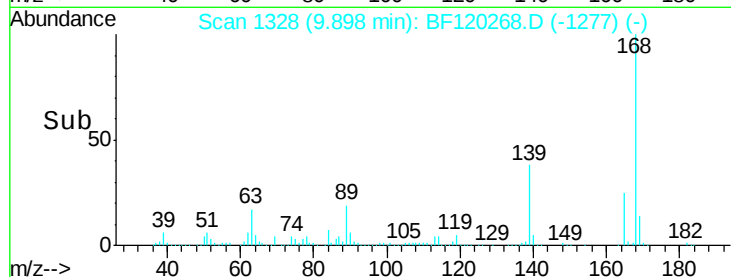
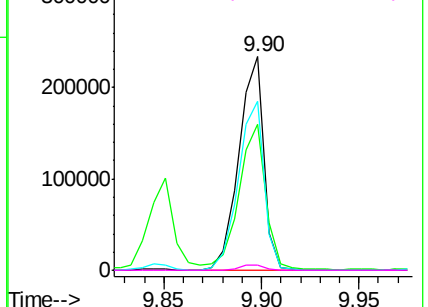
#57
2,4-Dinitrotoluene
Concen: 47.331 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:165 Resp: 207001
Ion Ratio Lower Upper
165 100
63 68.1 42.6 64.0#
89 78.9 61.0 91.4
182 2.5 2.2 3.2

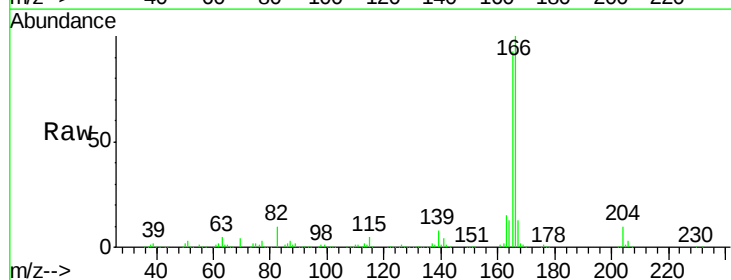


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

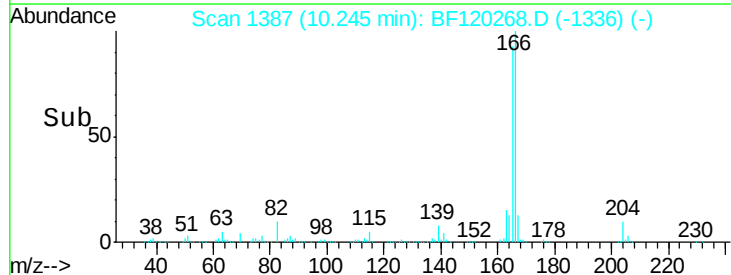
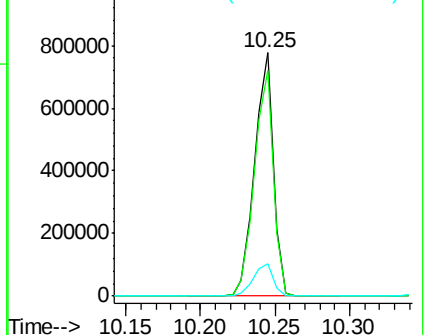


#58
Fluorene
Concen: 47.313 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:166 Resp: 671238
Ion Ratio Lower Upper
166 100
165 92.9 75.4 113.2
167 13.1 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

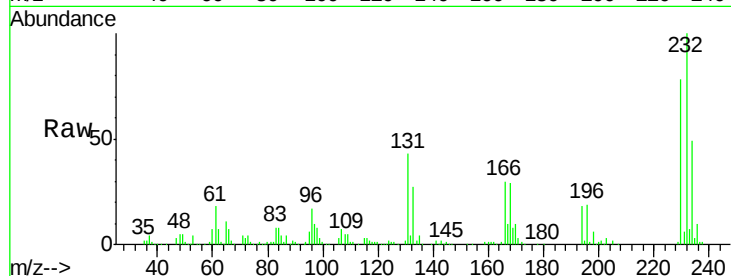




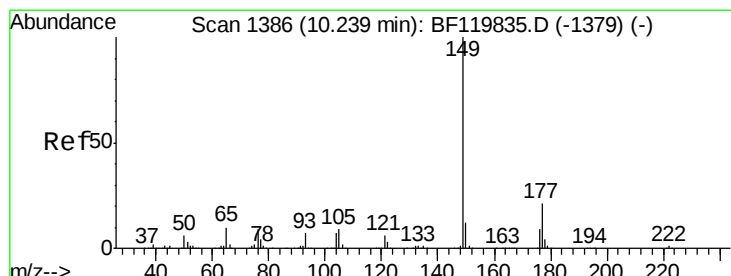
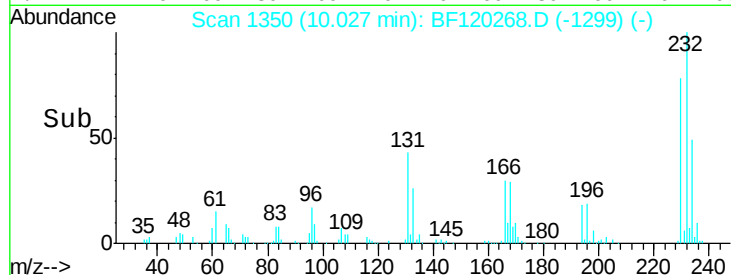
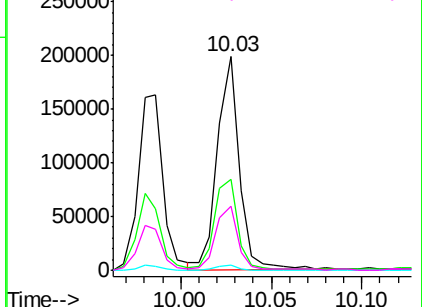
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.534 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

Tot Ion:	232	Resp:	167656
Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.5	56.3
130	2.1	1.8	2.6
166	29.8	24.6	36.8

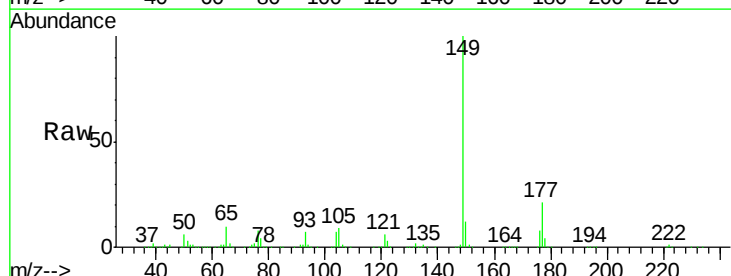


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

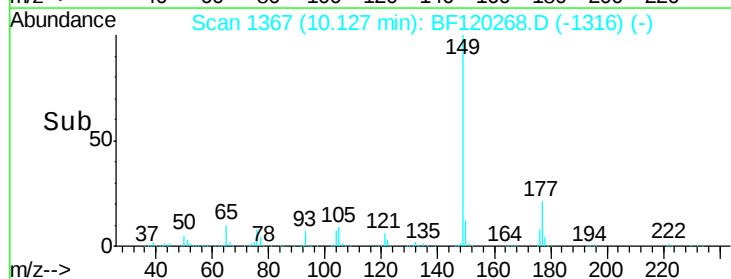
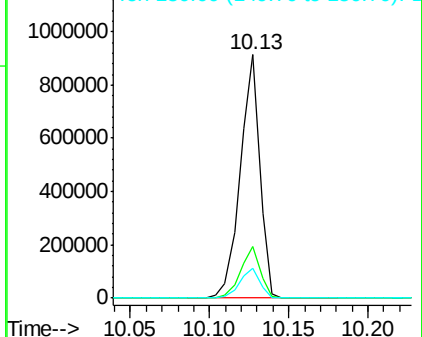


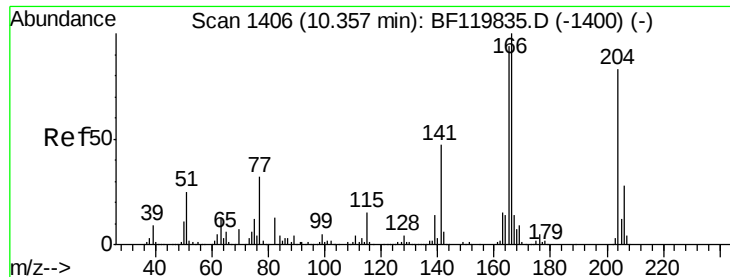
#60
 Diethylphthalate
 Concen: 49.412 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:	149	Resp:	776312
Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.0	25.6
150	12.1	10.1	15.1



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

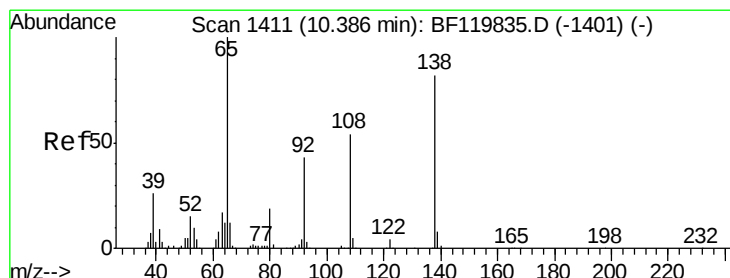
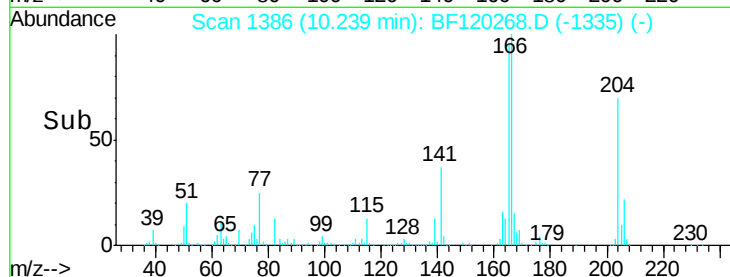
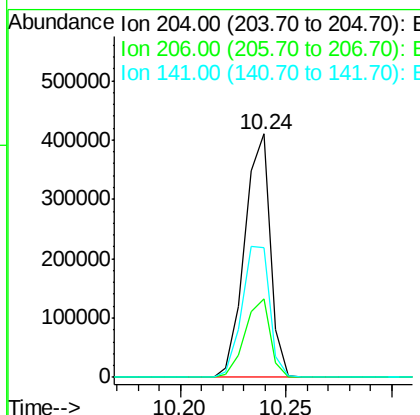
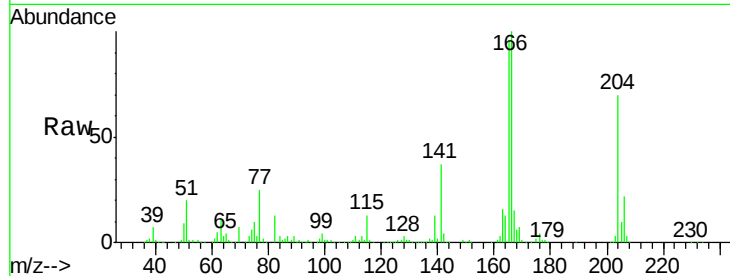




#61
 4-Chlorophenyl-phenylether
 Concen: 47.551 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

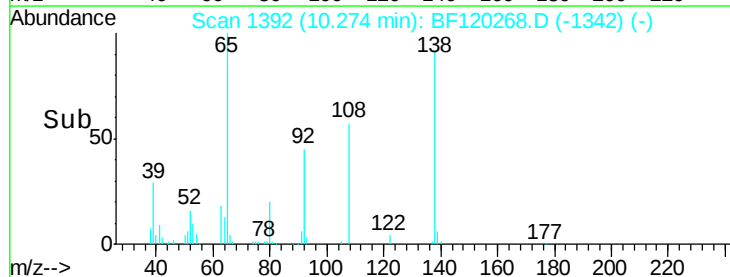
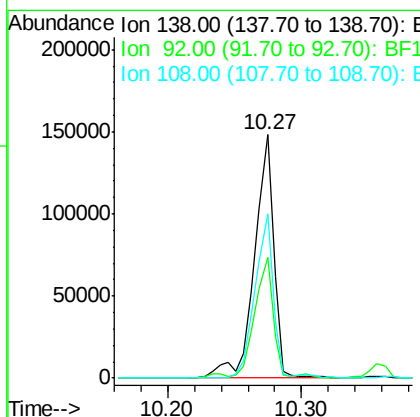
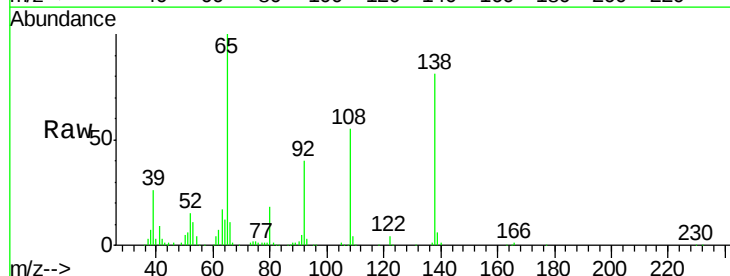
Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

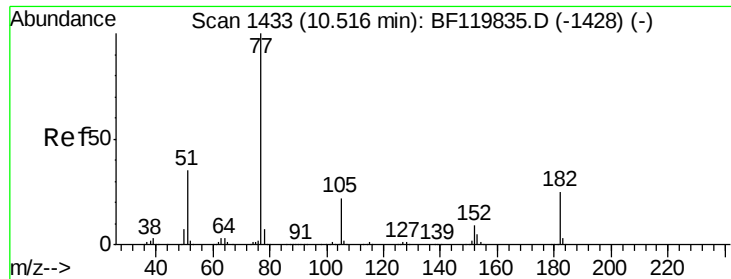
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.7	40.1
141	53.2	47.3	70.9



#62
 4-Nitroaniline
 Concen: 40.801 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.7	31.5	71.5
108	67.4	45.8	85.8

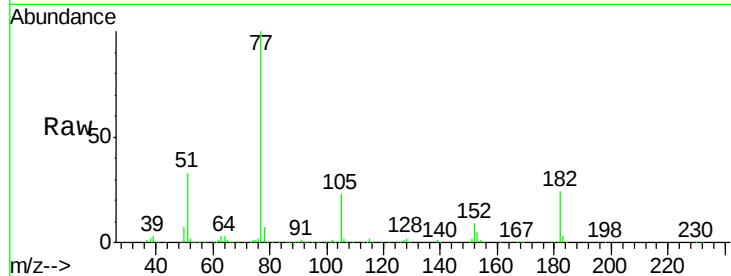




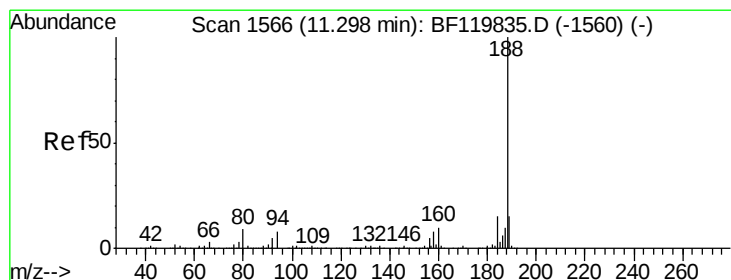
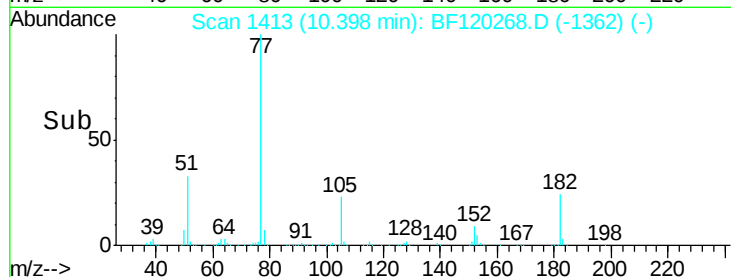
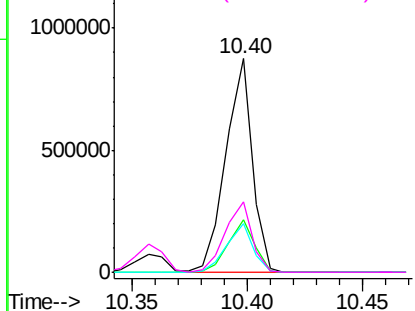
#63
Azobenzene
Concen: 49.507 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion: 77 Resp: 697060
Ion Ratio Lower Upper
77 100
182 24.5 4.4 44.4
105 22.8 2.6 42.6
51 33.2 15.1 55.1

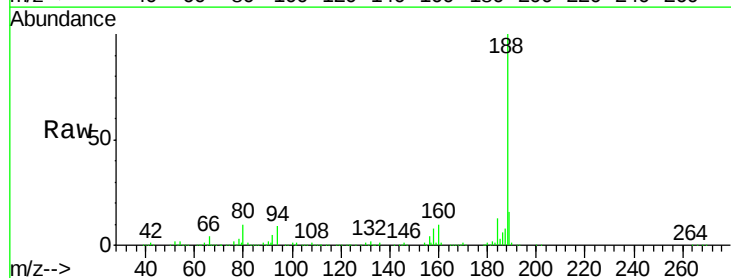


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

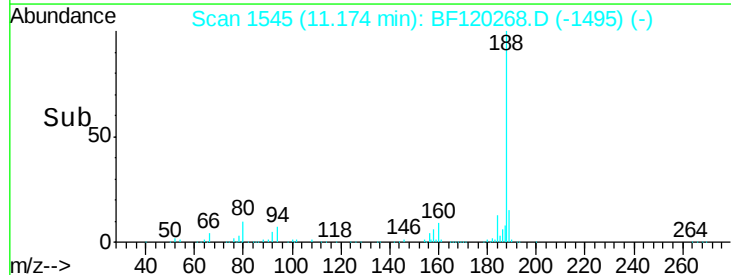
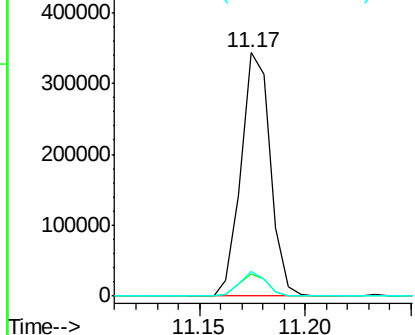


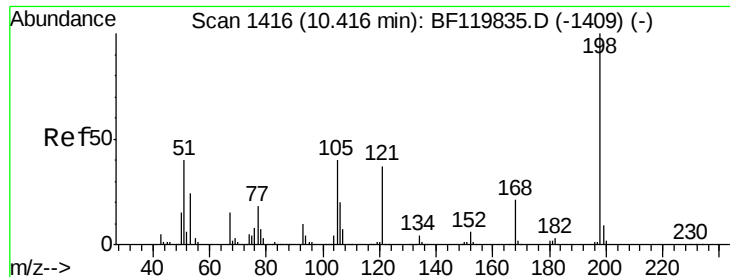
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion: 188 Resp: 329421
Ion Ratio Lower Upper
188 100
94 8.9 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

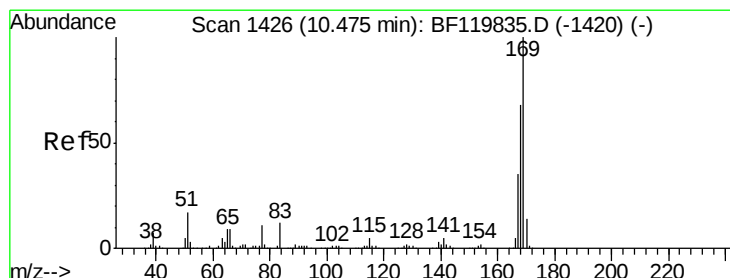
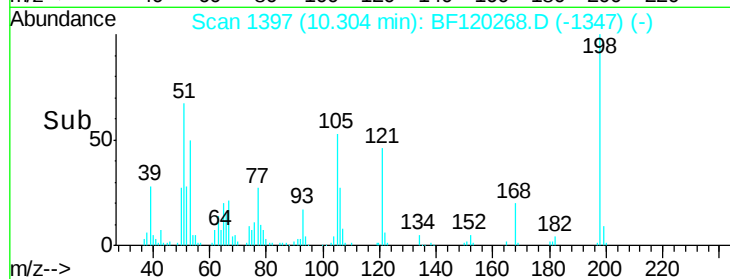
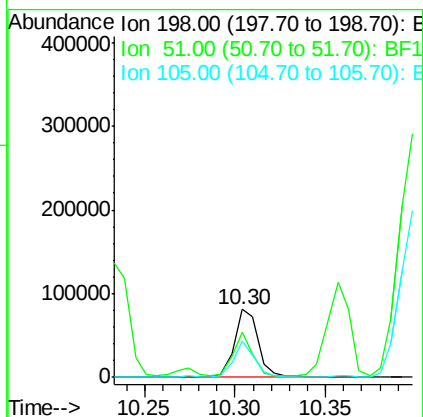
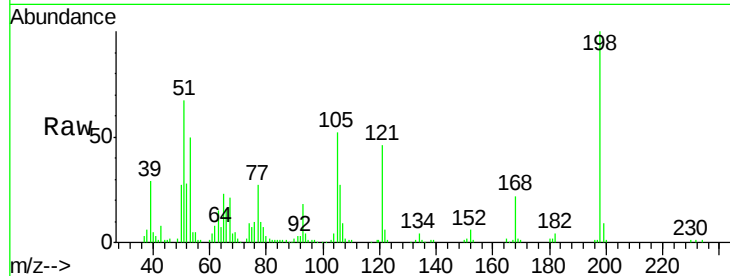




#65
 4,6-Dinitro-2-methylphenol
 Concen: 34.667 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

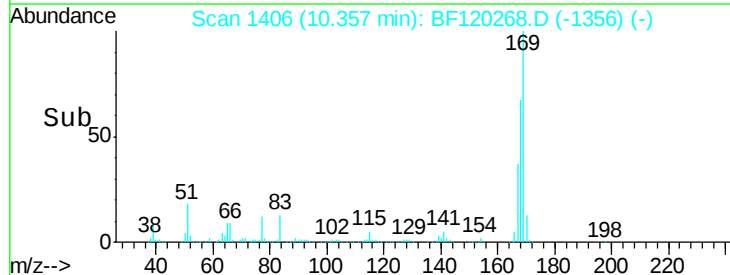
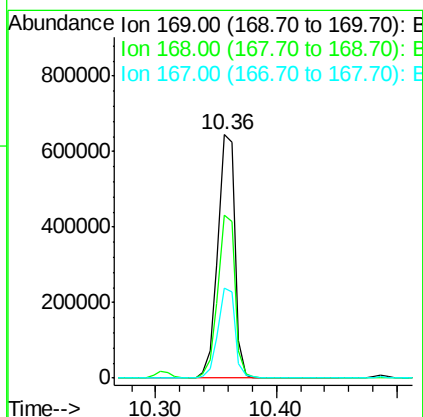
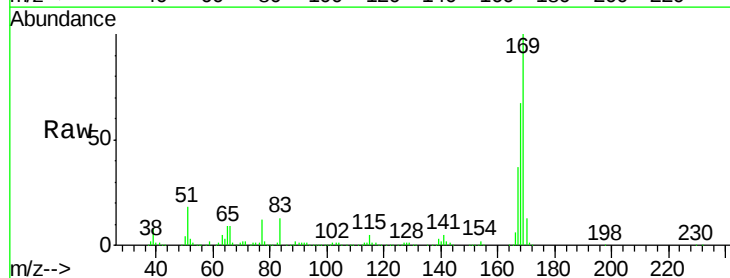
Instrument :
 BNA_F
 ClientSampleId :
 NB-04302020MSD

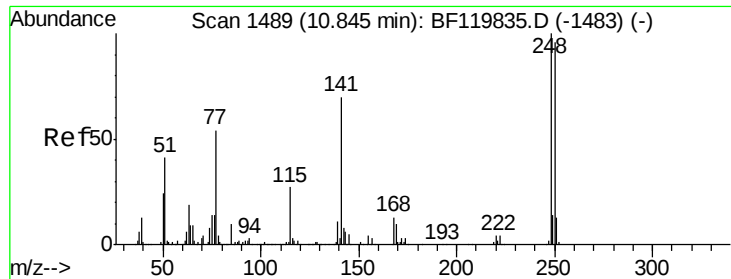
Tot Ion:198 Resp: 75237
 Ion Ratio Lower Upper
 198 100
 51 66.9 29.0 69.0
 105 52.4 22.2 62.2



#66
 n-Nitrosodiphenylamine
 Concen: 57.151 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF120268.D
 Acq: 1 May 2020 19:50

Tgt Ion:169 Resp: 626125
 Ion Ratio Lower Upper
 169 100
 168 66.9 53.2 79.8
 167 37.0 29.1 43.7

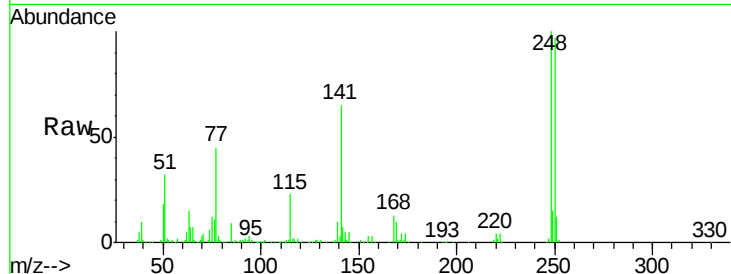




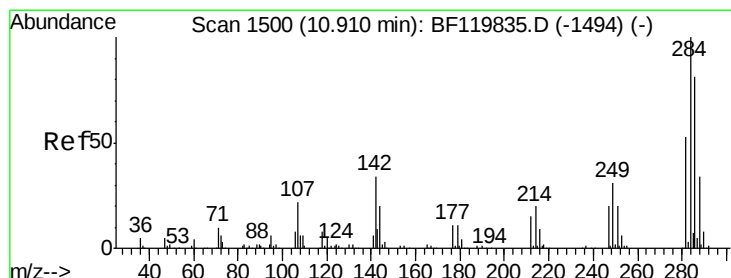
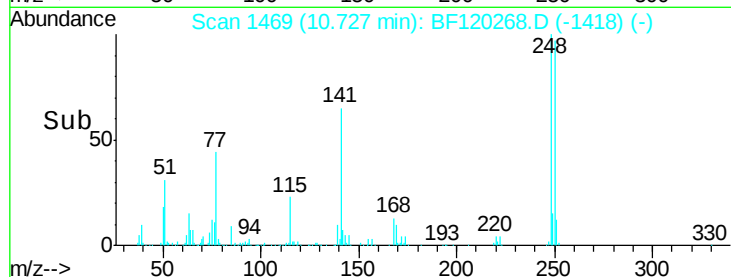
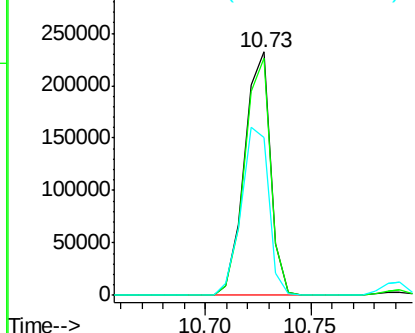
#67
4-Bromophenyl-phenylether
Concen: 48.505 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:248 Resp: 198712
Ion Ratio Lower Upper
248 100
250 97.4 77.3 115.9
141 64.7 58.6 87.8

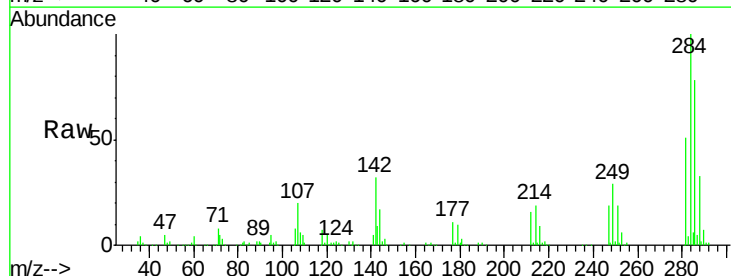


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

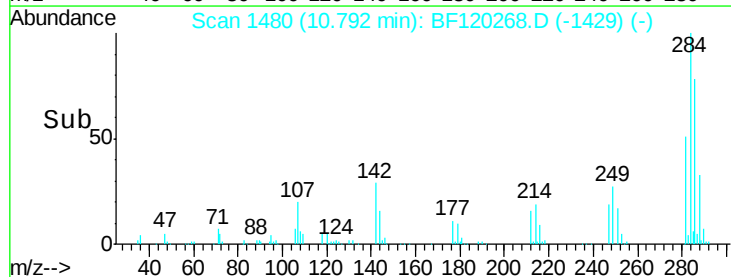
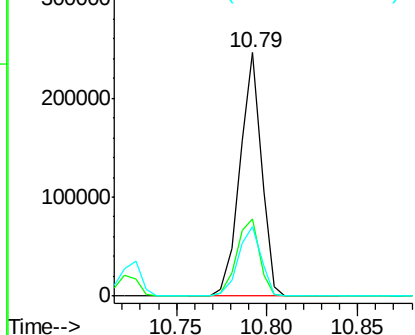


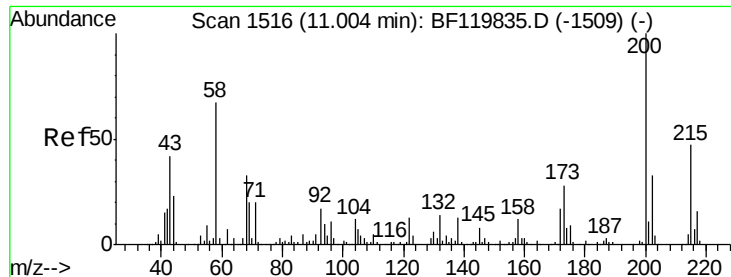
#68
Hexachlorobenzene
Concen: 48.674 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:284 Resp: 202287
Ion Ratio Lower Upper
284 100
142 31.8 29.2 43.8
249 28.6 25.1 37.7



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 54.525 ng

RT: 10.89 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

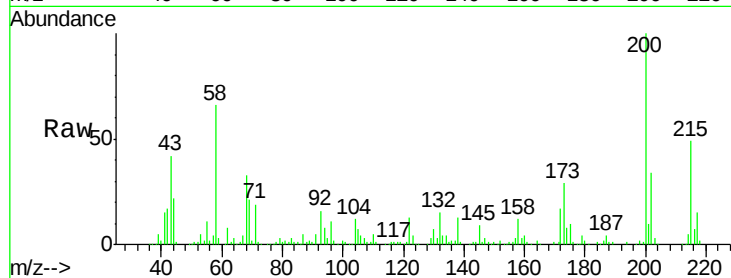
Tot Ion:200 Resp: 166201

Ion Ratio Lower Upper

200 100

173 29.1 9.3 49.3

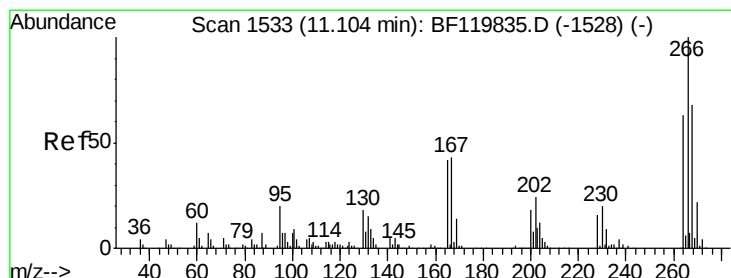
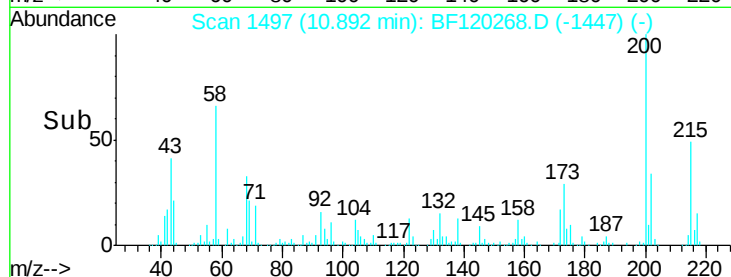
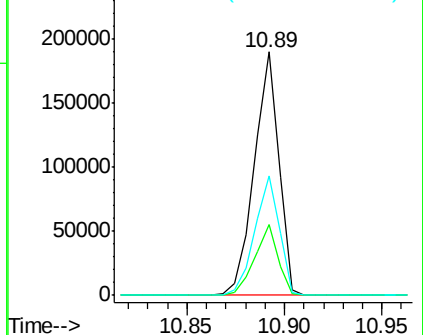
215 48.8 29.5 69.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 67.998 ng

RT: 10.99 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

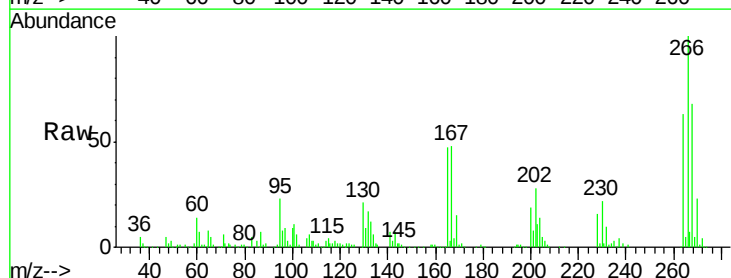
Tgt Ion:266 Resp: 162852

Ion Ratio Lower Upper

266 100

268 68.1 53.3 79.9

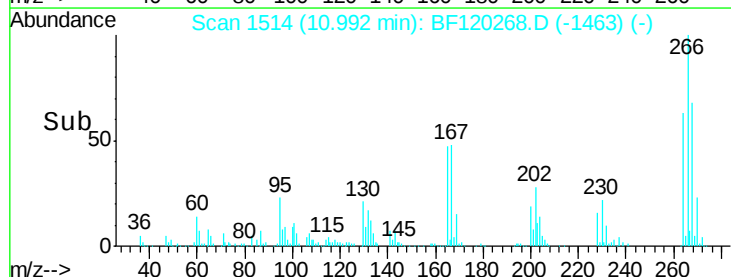
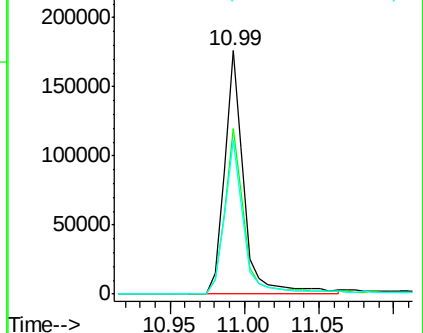
264 63.4 49.0 73.4

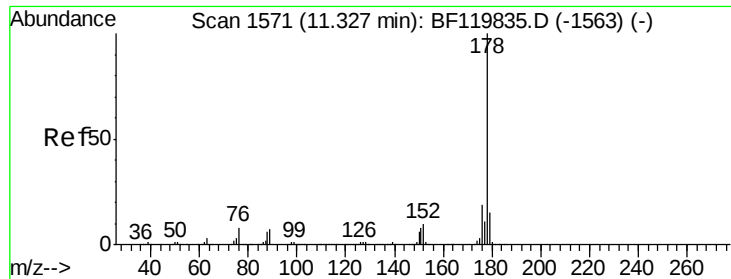


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

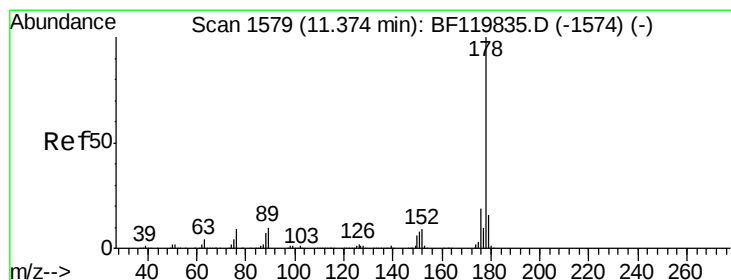
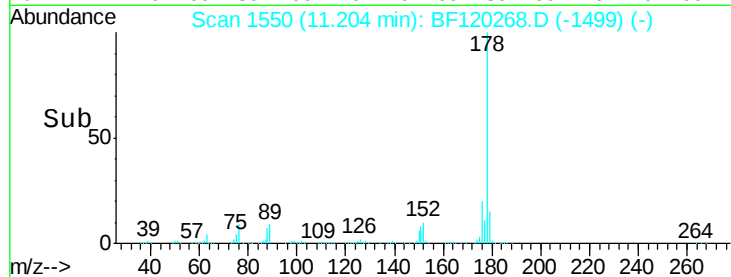
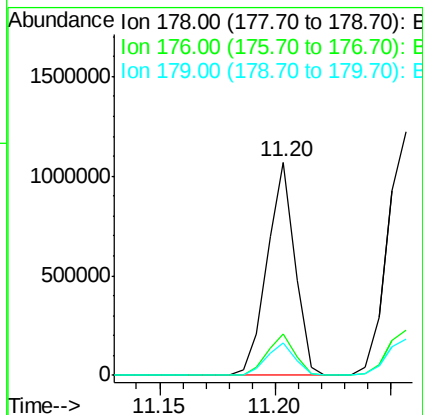
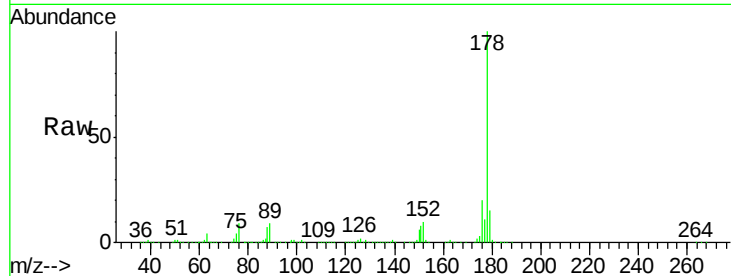




#71
Phenanthrene
Concen: 50.890 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

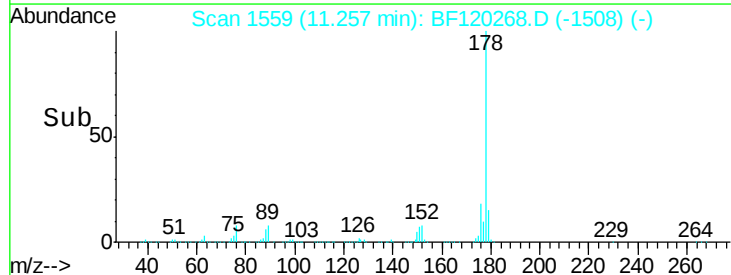
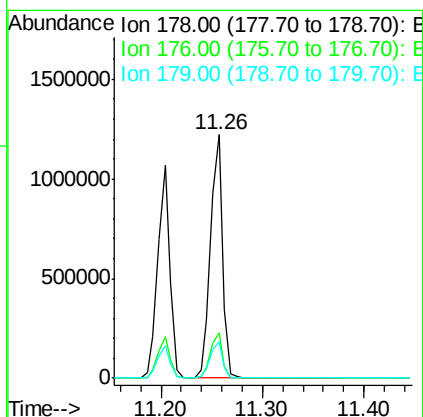
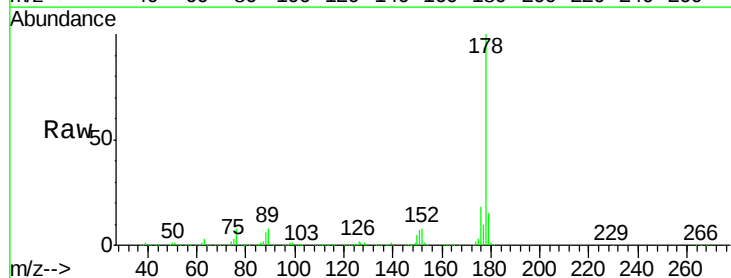
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

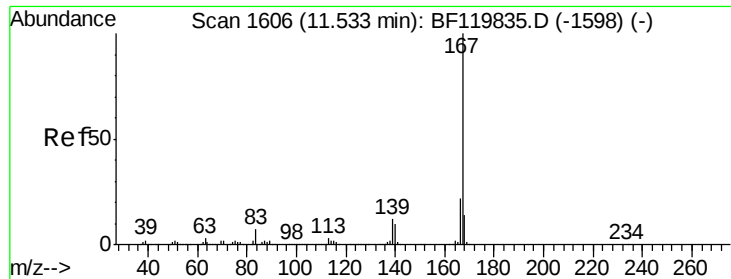
Tot Ion:178 Resp: 892211
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.2 13.2 19.8



#72
Anthracene
Concen: 56.615 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:178 Resp: 1013980
Ion Ratio Lower Upper
178 100
176 18.4 16.1 24.1
179 15.1 13.0 19.4





#73

Carbazole

Concen: 56.925 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

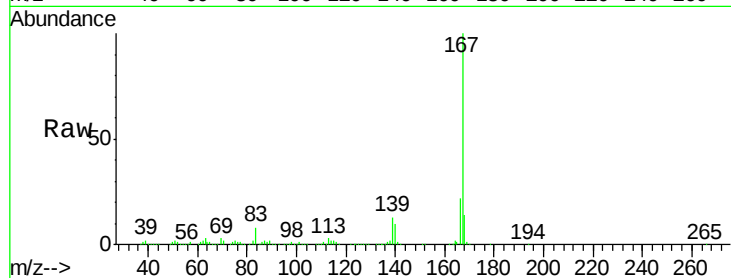
Tot Ion:167 Resp: 964151

Ion Ratio Lower Upper

167 100

166 21.8 18.2 27.4

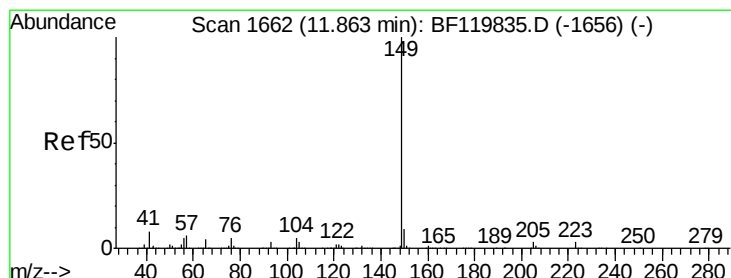
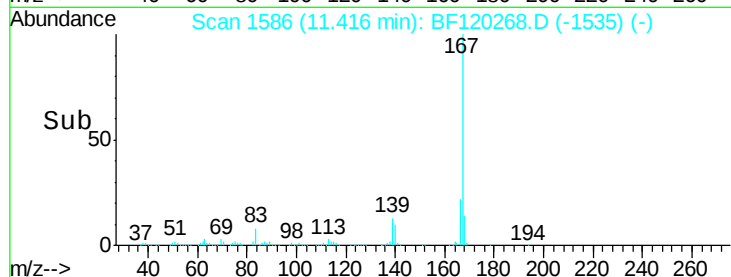
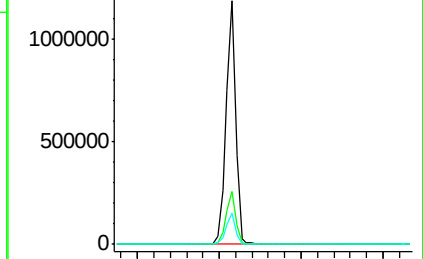
139 12.7 10.7 16.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 52.547 ng

RT: 11.75 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

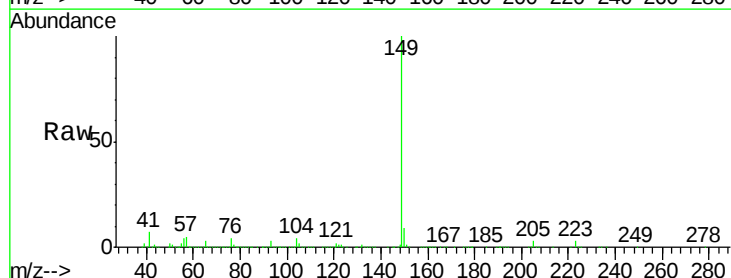
Tgt Ion:149 Resp: 1169983

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.8

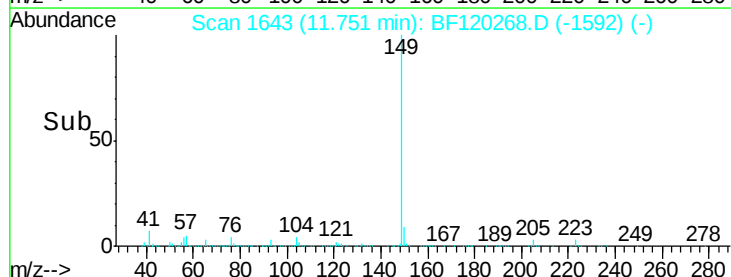
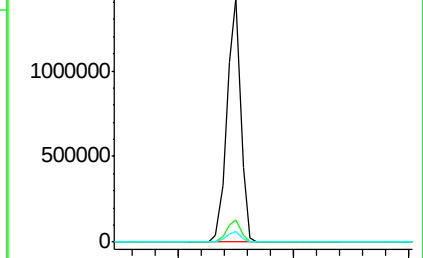
104 4.2 3.6 5.4

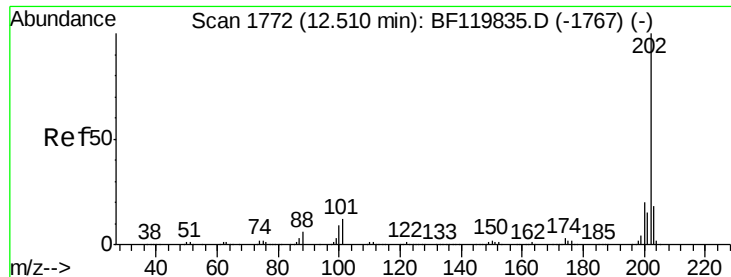


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.469 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

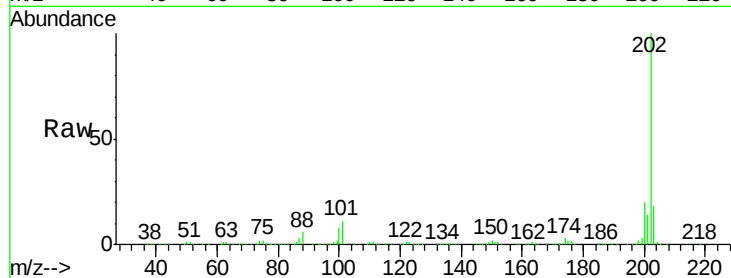
Tot Ion:202 Resp: 897959

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.2

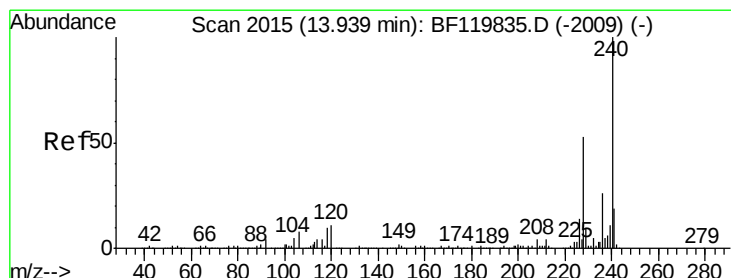
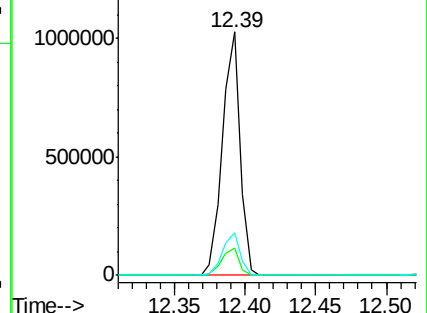
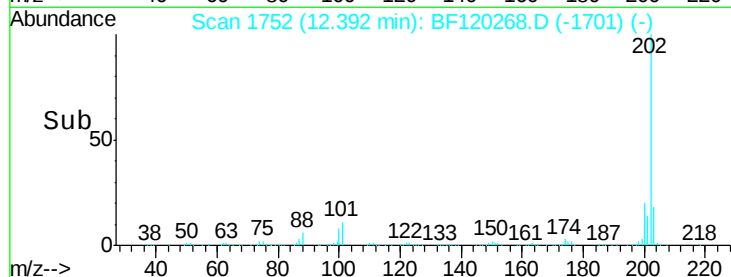
203 17.8 0.0 38.8



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: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

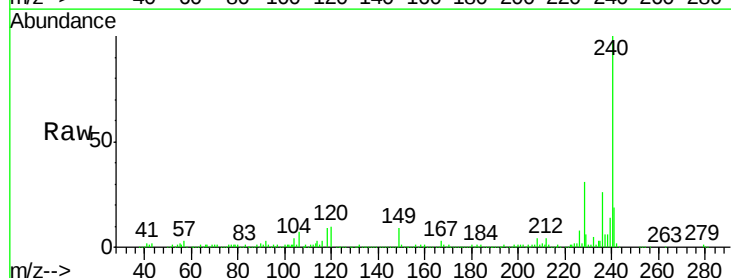
Tgt Ion:240 Resp: 224957

Ion Ratio Lower Upper

240 100

120 10.1 10.6 15.8#

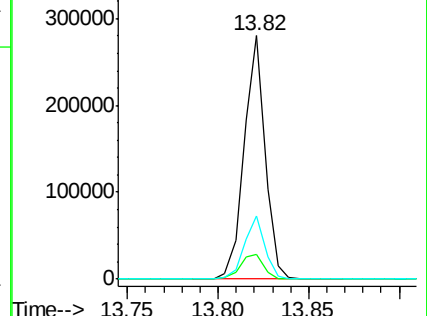
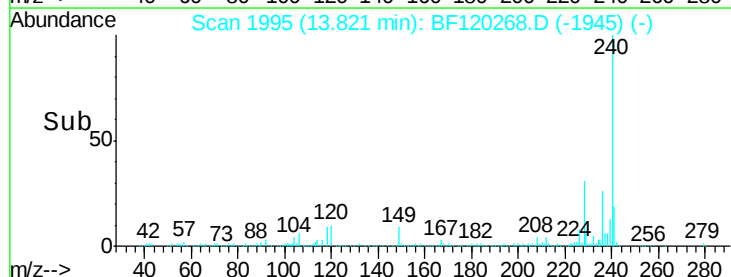
236 25.8 20.2 30.2

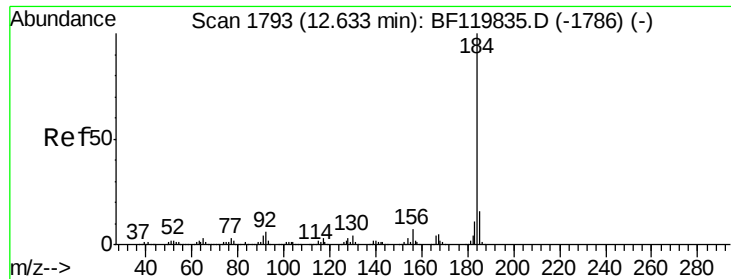


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 83.748 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

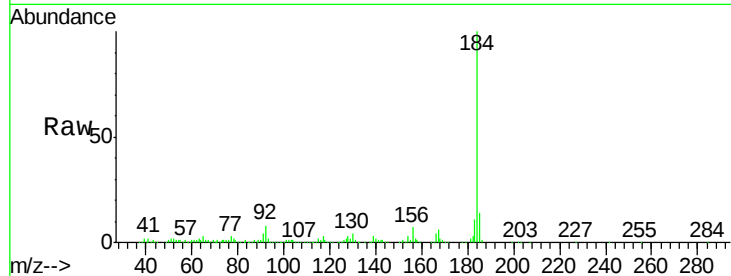
Tot Ion:184 Resp: 636838

Ion Ratio Lower Upper

184 100

185 14.0 12.3 18.5

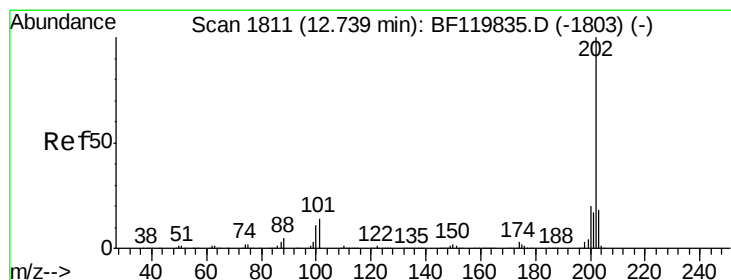
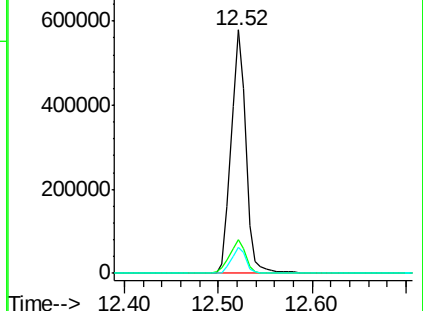
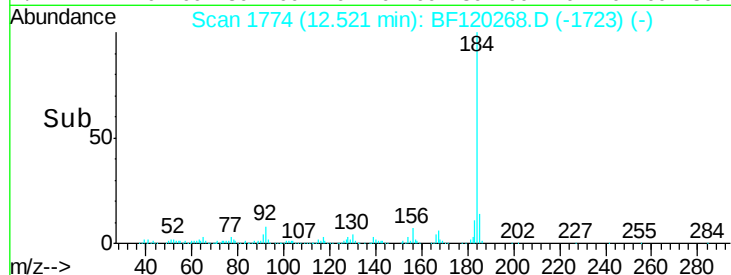
183 10.9 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.797 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

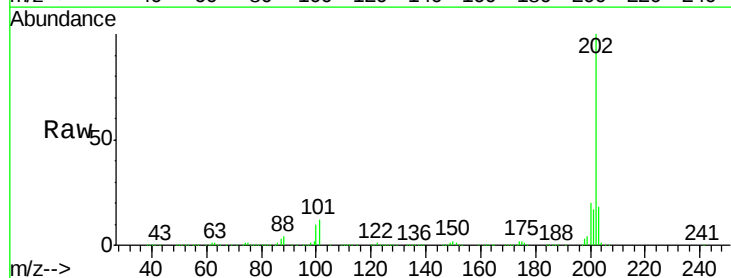
Tgt Ion:202 Resp: 906436

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

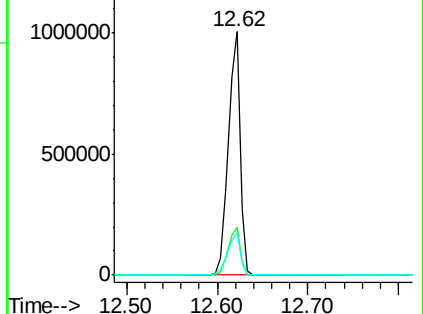
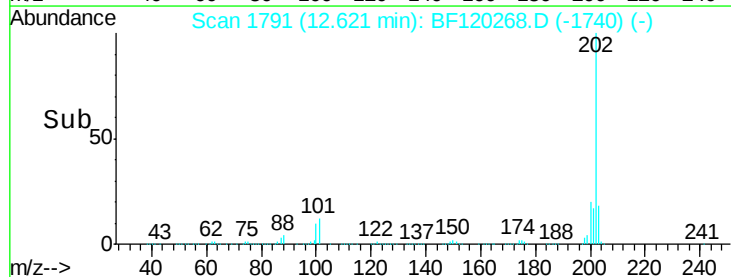
203 17.6 15.1 22.7

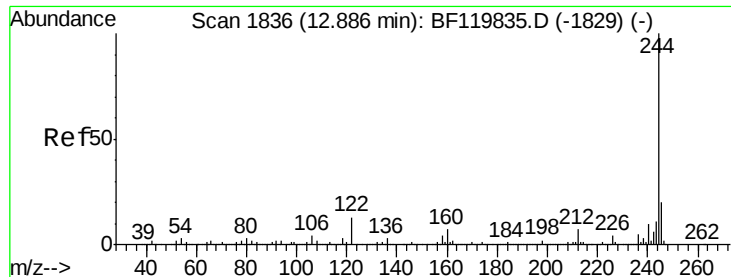


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.957 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

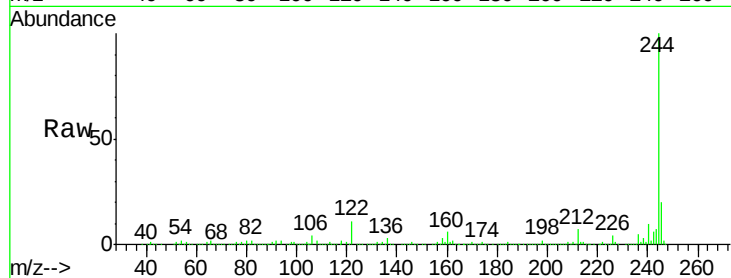
Tot Ion:244 Resp: 1082330

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

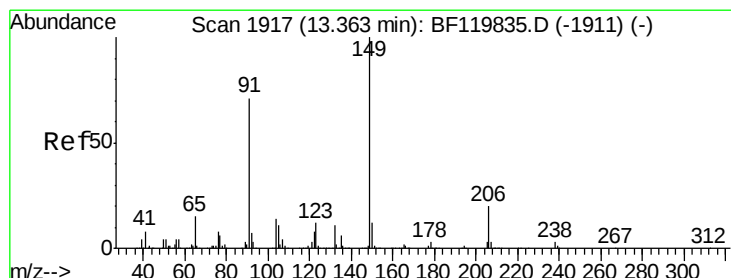
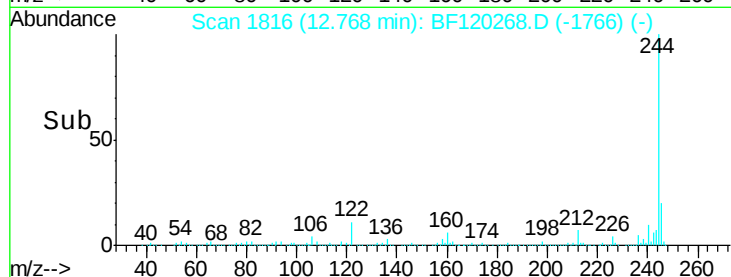
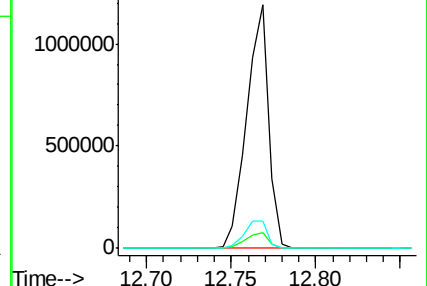
122 11.0 10.3 15.5



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: 46.858 ng

RT: 13.24 min Scan# 1897

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

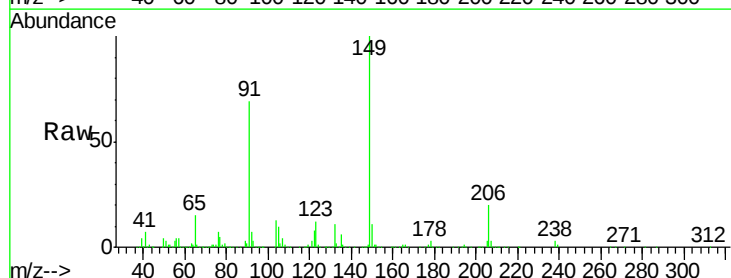
Tgt Ion:149 Resp: 431194

Ion Ratio Lower Upper

149 100

91 68.9 54.7 82.1

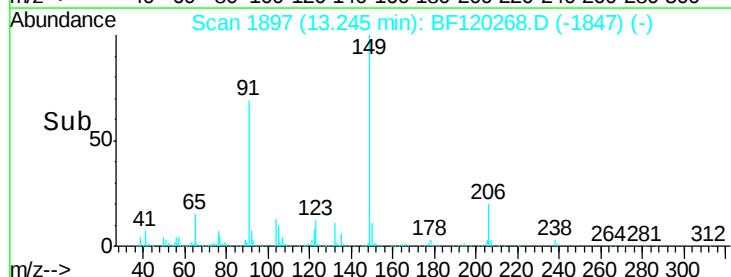
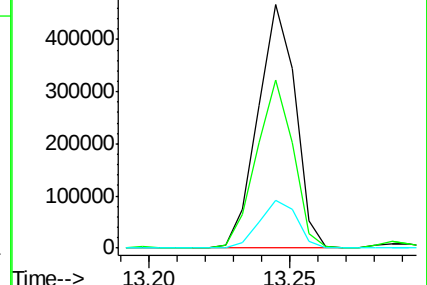
206 19.8 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.713 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

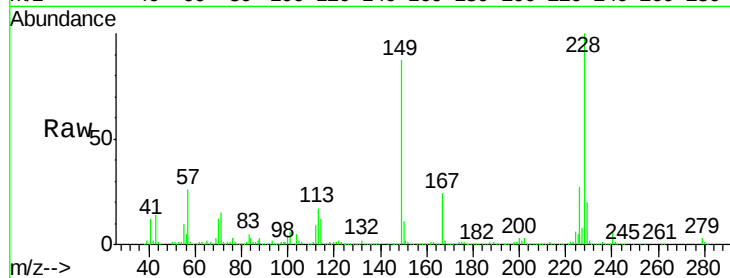
Tot Ion:228 Resp: 780105

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

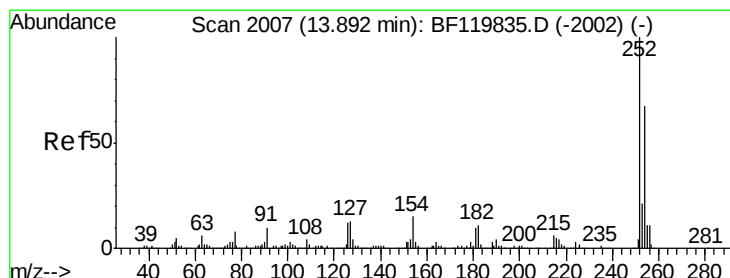
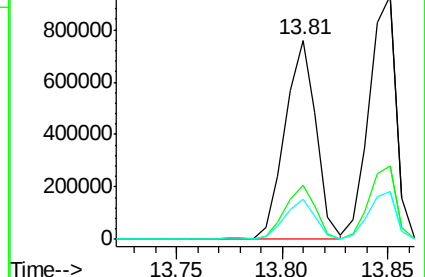
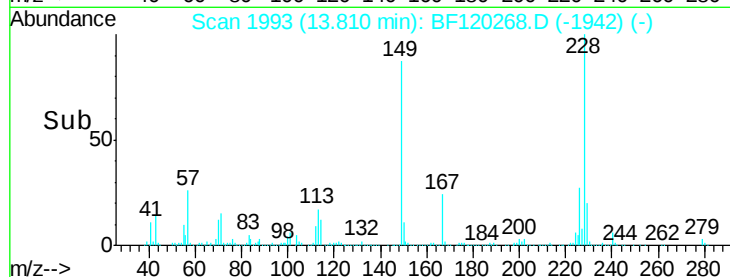
229 20.3 16.2 24.4



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



#82

3,3'-Dichlorobenzidine

Concen: 50.221 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

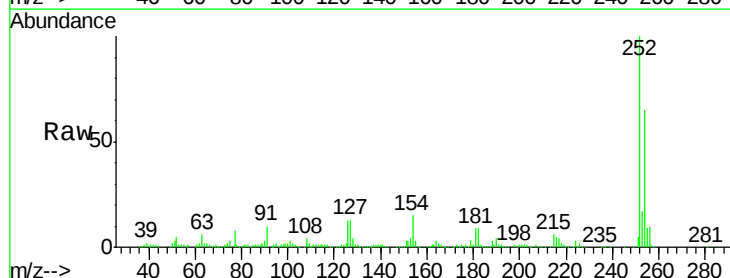
Tgt Ion:252 Resp: 277316

Ion Ratio Lower Upper

252 100

254 65.2 51.2 76.8

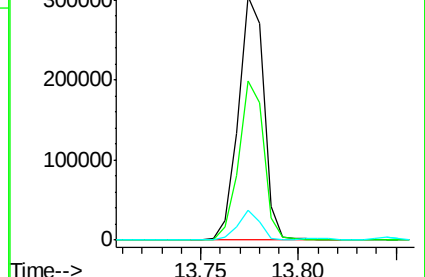
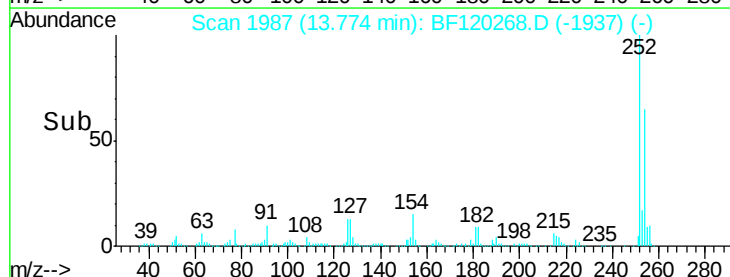
126 12.5 9.6 14.4

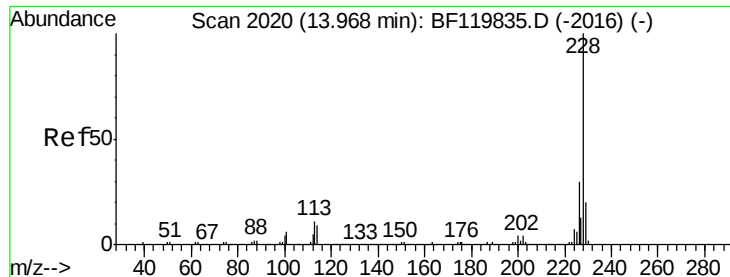


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 55.362 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

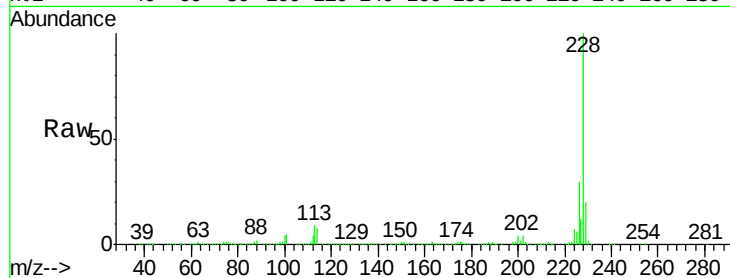
Tot Ion:228 Resp: 832491

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

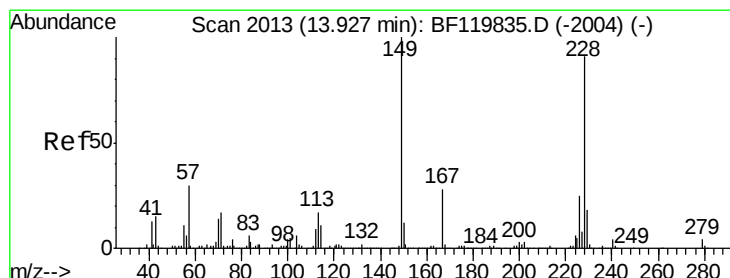
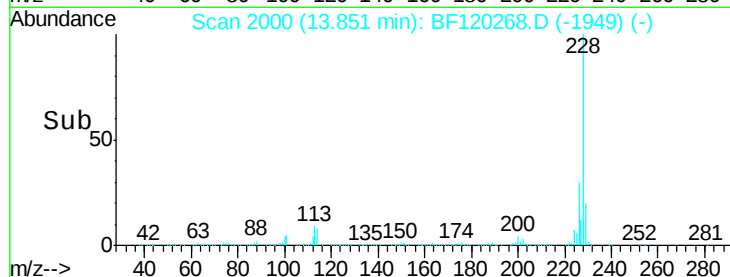
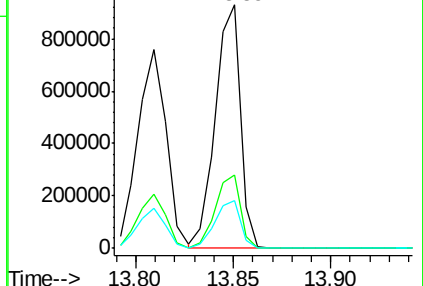
229 19.6 16.6 24.8



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: 47.187 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

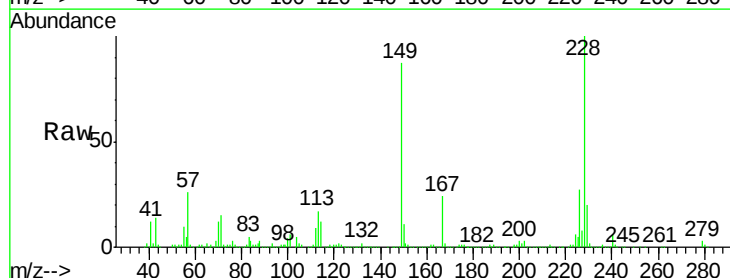
Tgt Ion:149 Resp: 588020

Ion Ratio Lower Upper

149 100

167 27.5 21.3 31.9

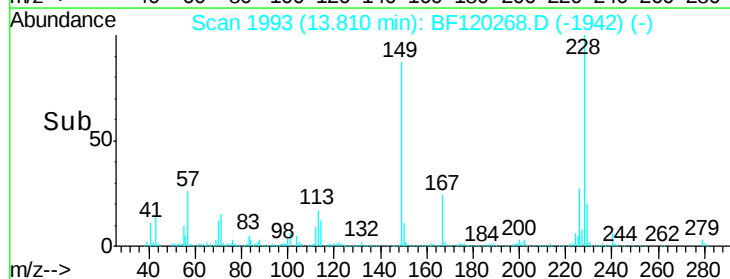
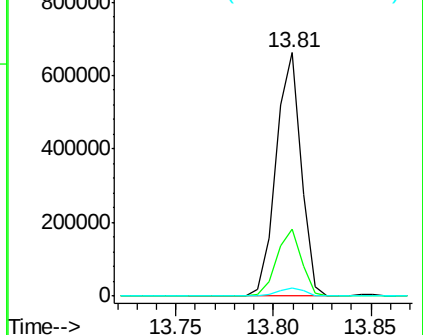
279 3.5 2.7 4.1



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

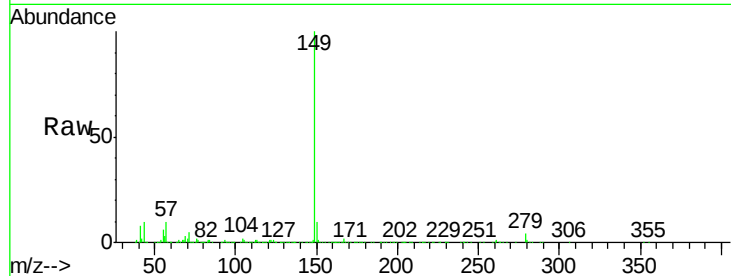




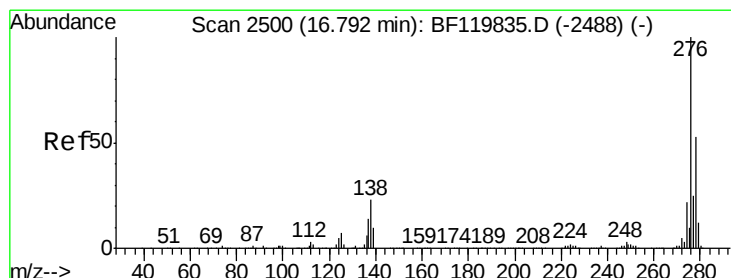
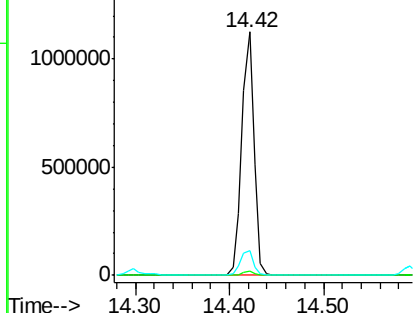
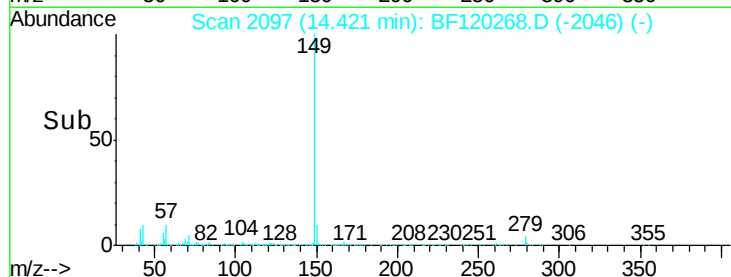
#85
Di-n-octyl phthalate
Concen: 47.973 ng
RT: 14.42 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:149 Resp: 1017890
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.6 9.3 13.9

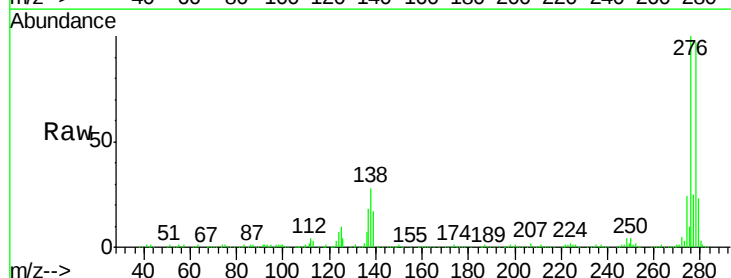


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

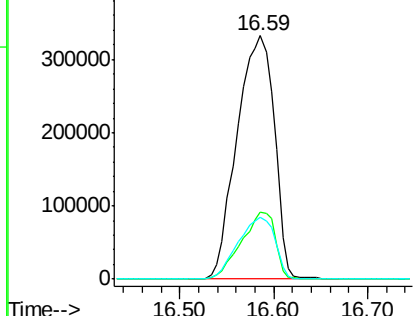
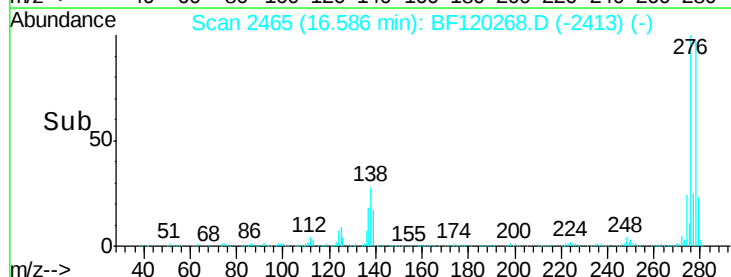


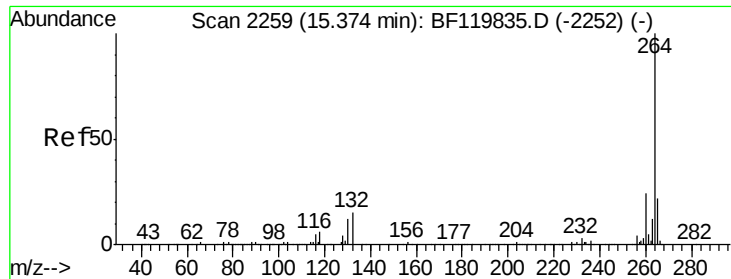
#86
Indeno(1,2,3-cd)pyrene
Concen: 69.348 ng
RT: 16.59 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:276 Resp: 919215
Ion Ratio Lower Upper
276 100
138 24.9 19.6 29.4
277 25.1 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

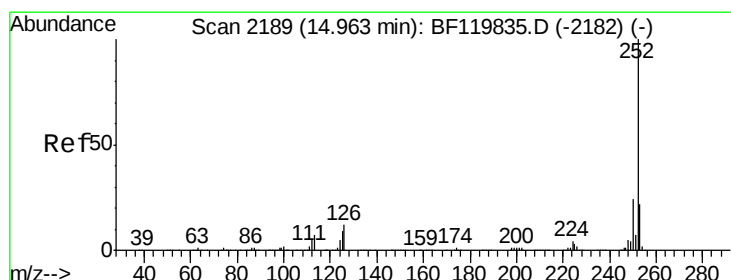
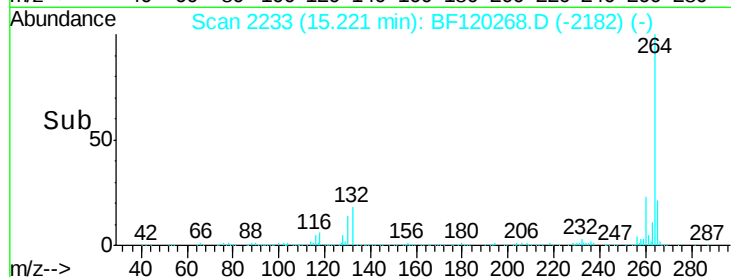
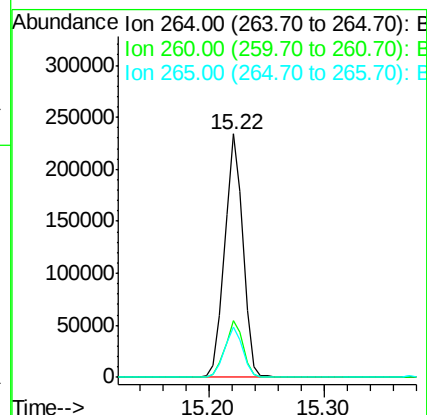
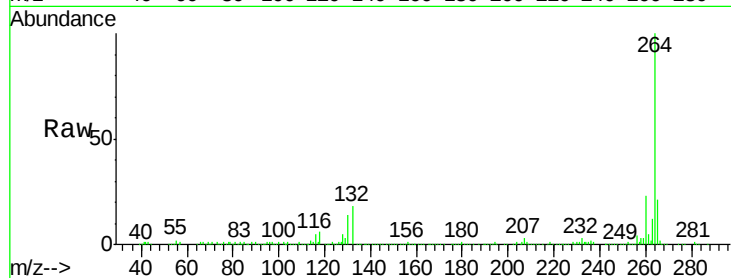




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

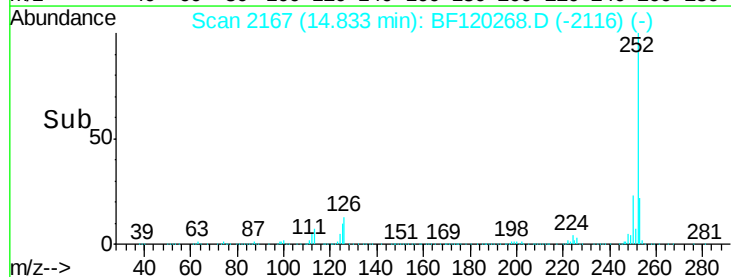
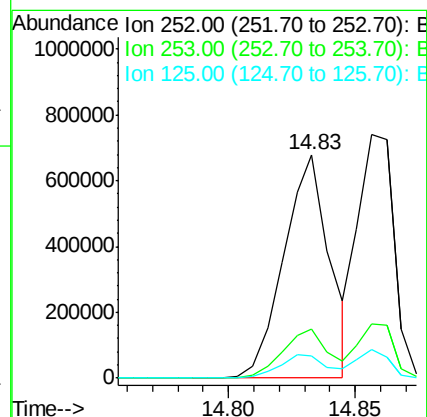
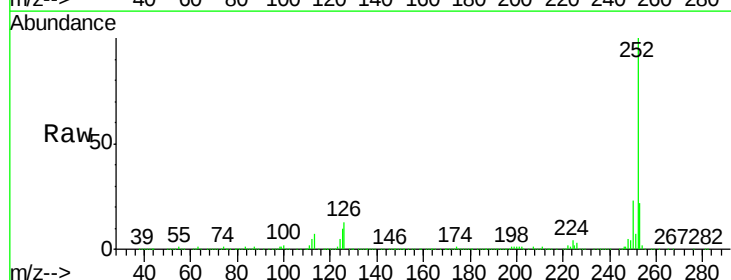
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

Tot Ion:264 Resp: 256041
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 20.7 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 46.229 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:252 Resp: 851490
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.2 7.9 11.9

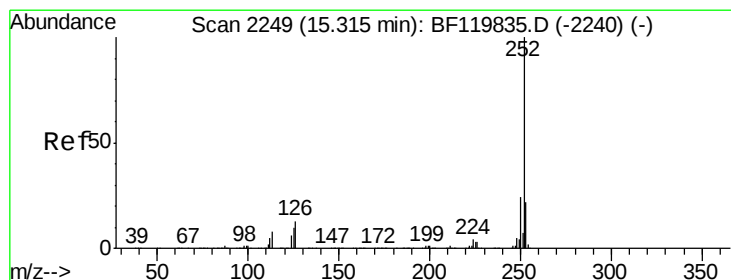
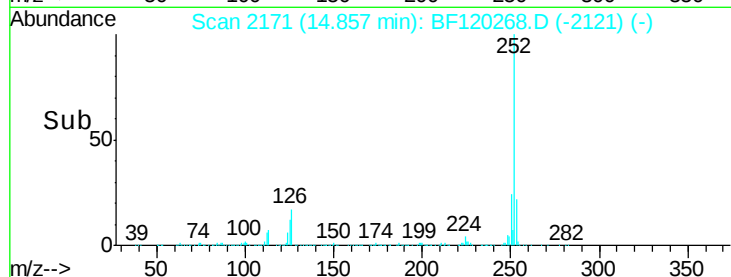
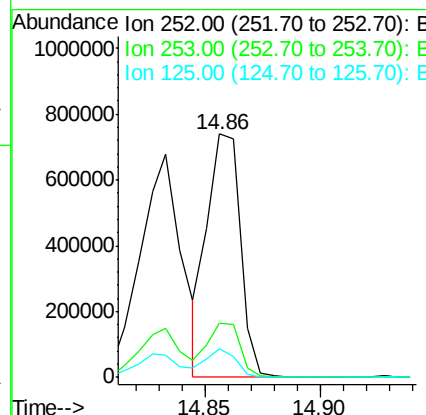
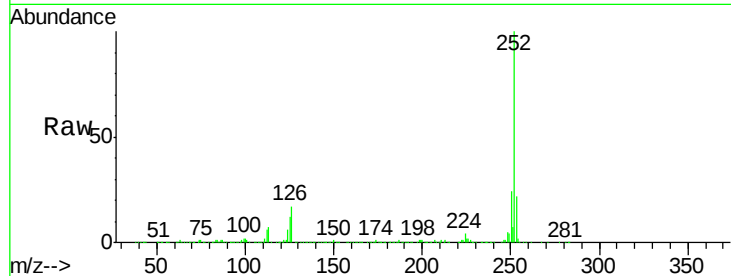




#89
Benzo(k)fluoranthene
Concen: 46.193 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

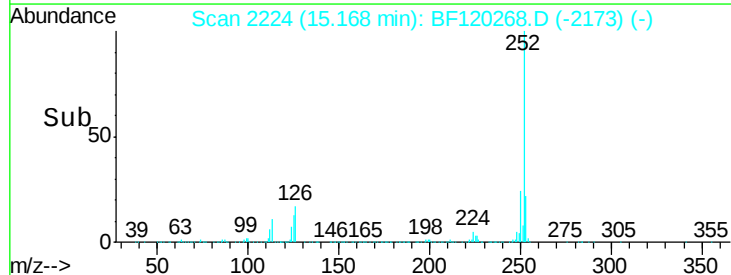
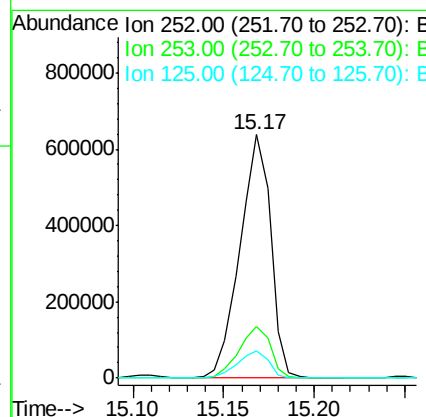
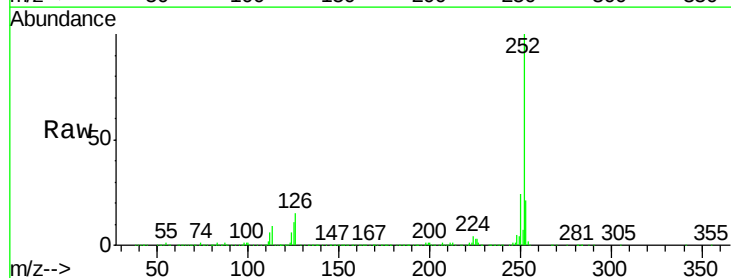
Instrument :
BNA_F
ClientSampleId :
NB-04302020MSD

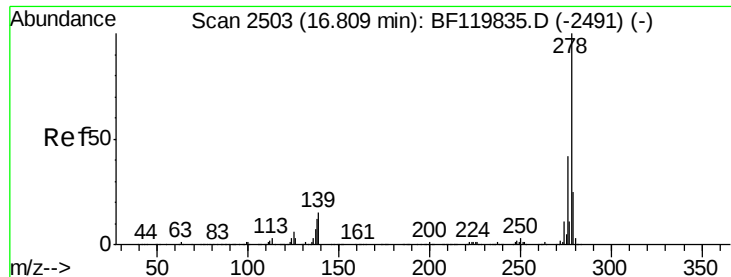
Tot Ion:252 Resp: 734104
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.6 8.4 12.6



#90
Benzo(a)pyrene
Concen: 48.535 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120268.D
Acq: 1 May 2020 19:50

Tgt Ion:252 Resp: 751645
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 11.3 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 55.770 ng

RT: 16.60 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

Instrument :

BNA_F

ClientSampleId :

NB-04302020MSD

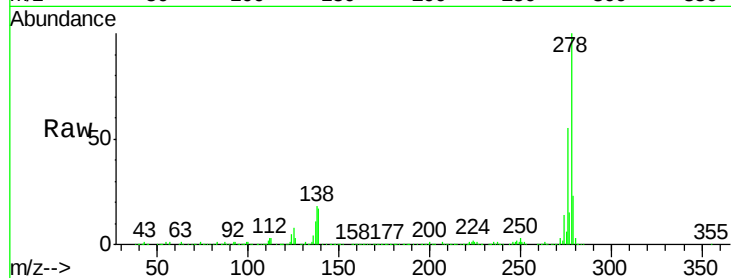
Tot Ion:278 Resp: 765054

Ion Ratio Lower Upper

278 100

139 16.7 12.6 19.0

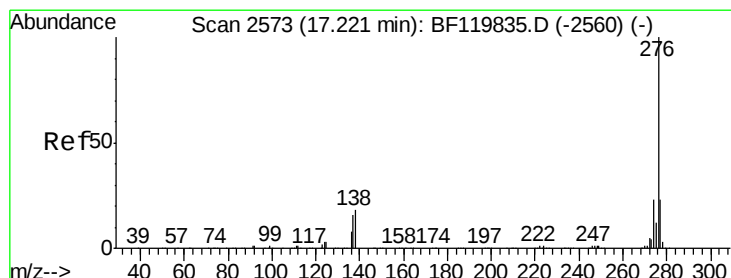
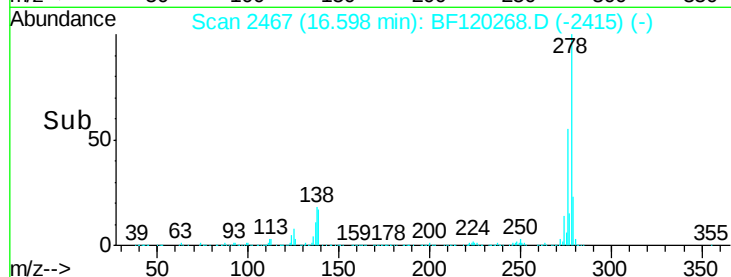
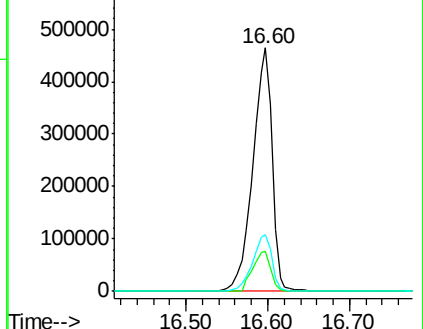
279 23.3 19.0 28.6



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(g,h,i)perylene

Concen: 54.599 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF120268.D

Acq: 1 May 2020 19:50

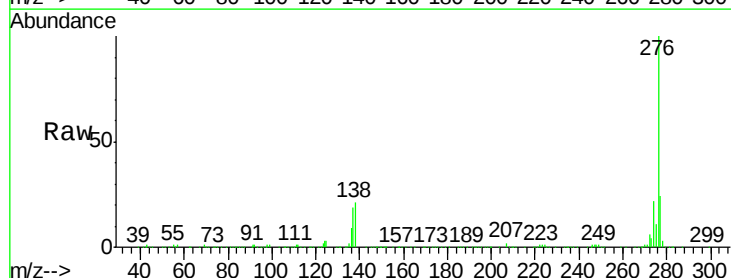
Tgt Ion:276 Resp: 739322

Ion Ratio Lower Upper

276 100

277 24.1 18.4 27.6

138 21.3 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

