

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012023\
 Data File : BF132178.D
 Acq On : 21 Jan 2023 00:23
 Operator : CG\JU
 Sample : 01233-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-P34B

Quant Time: Jan 21 03:58:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 00:50:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

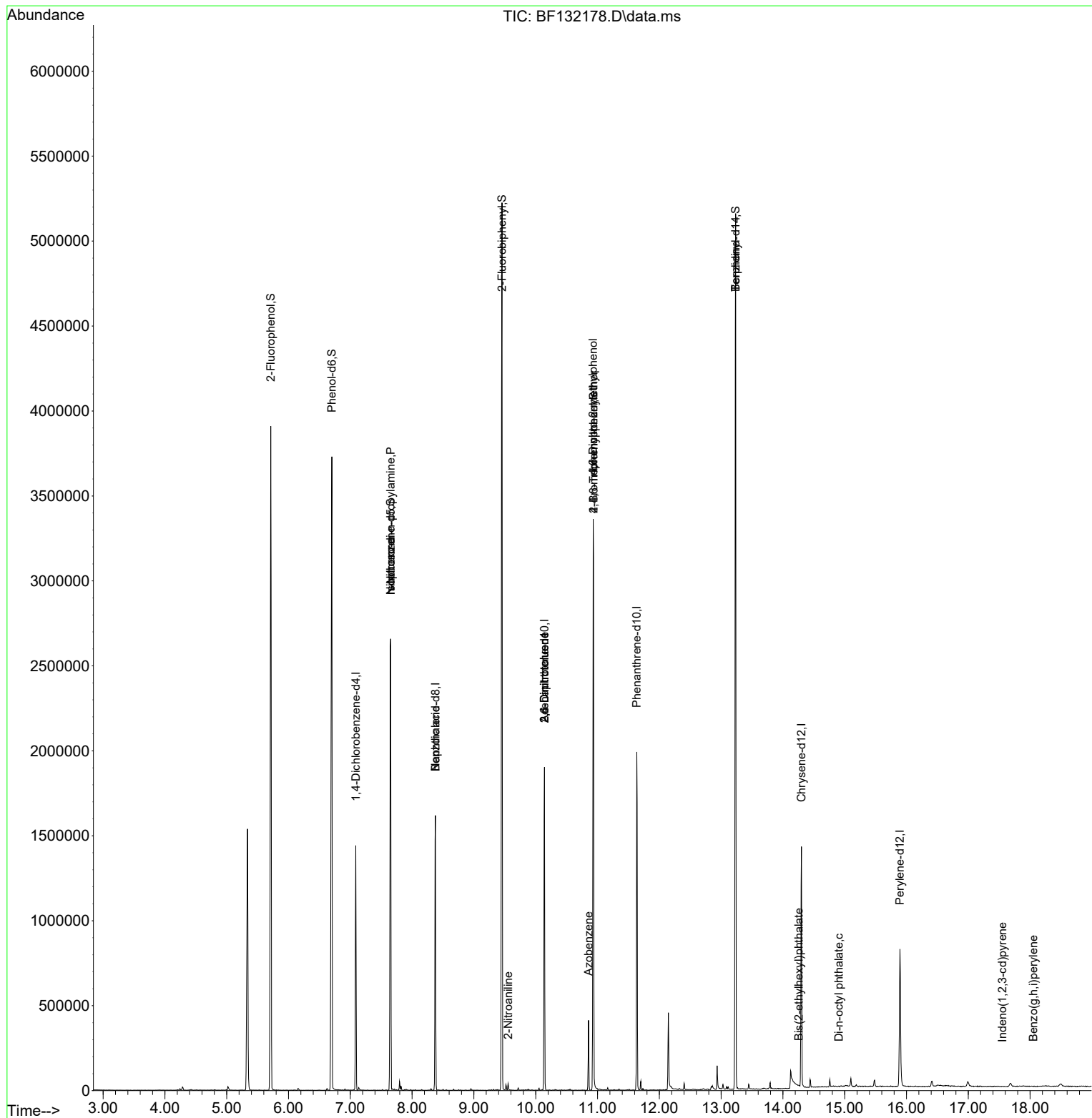
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.089	152	185742	20.000	ng	0.00
21) Naphthalene-d8	8.378	136	675652	20.000	ng	0.00
39) Acenaphthene-d10	10.142	164	368118	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	732948	20.000	ng	0.00
76) Chrysene-d12	14.301	240	480445	20.000	ng	0.00
86) Perylene-d12	15.895	264	398304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.713	112	1069702	100.604	ng	0.00
7) Phenol-d6	6.701	99	1382198	103.267	ng	0.00
23) Nitrobenzene-d5	7.654	82	918338	72.204	ng	0.00
42) 2,4,6-Tribromophenol	10.936	330	425240	108.147	ng	0.00
45) 2-Fluorobiphenyl	9.454	172	1528993	60.693	ng	0.00
79) Terphenyl-d14	13.236	244	1857599	64.767	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.654	70	125055	15.253	ng	# 75
25) Isophorone	7.654	82	918326	36.902	ng	# 67
32) Benzoic acid	8.378	122	124	7.868	ng	# 1
48) 2-Nitroaniline	9.554	65	414	2.589	ng	# 7
51) 2,6-Dinitrotoluene	10.142	165	46984	9.092	ng	# 23
57) 2,4-Dinitrotoluene	10.142	165	46984	7.574	ng	# 16
63) Azobenzene	10.854	77	61985	2.362	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.930	198	1189	8.087	ng	# 1
67) 4-Bromophenyl-phenylether	10.936	248	26691	2.988	ng	# 1
77) Benzidine	13.236	184	30086	2.086	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.260	149	1322	3.556	ng	# 98
85) Di-n-octyl phthalate	14.907	149	217	5.345	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.553	276	56	2.339	ng	# 52
92) Benzo(g,h,i)perylene	18.053	276	116	2.302	ng	# 54

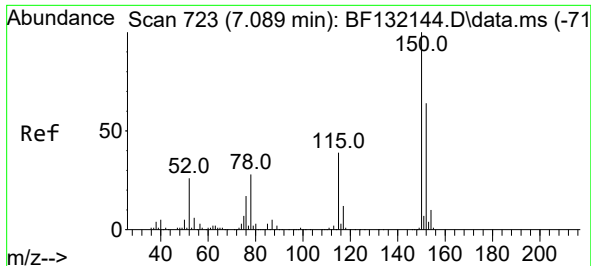
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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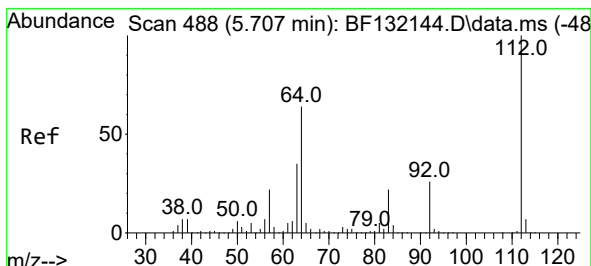
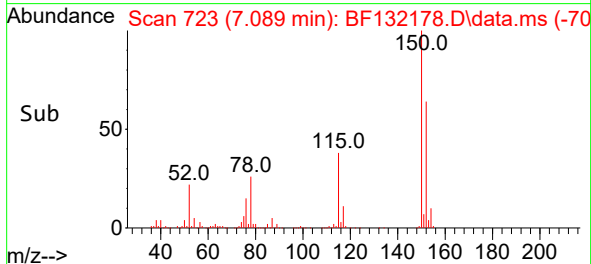
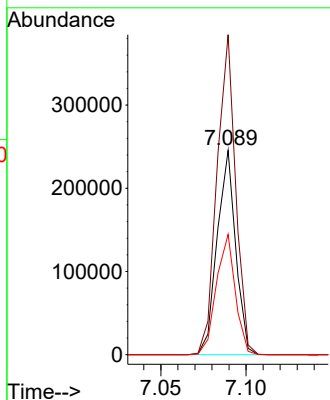
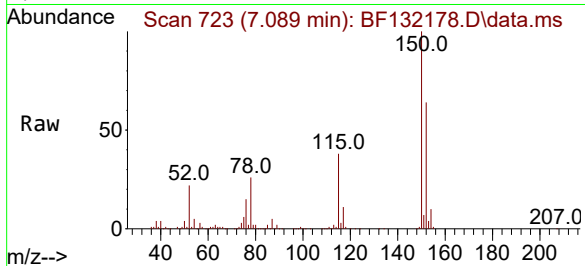




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.089 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF132178.D
 Acq: 21 Jan 2023 00:23

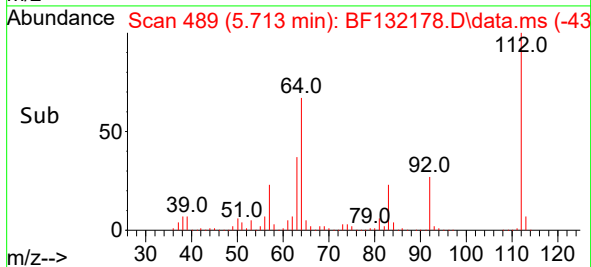
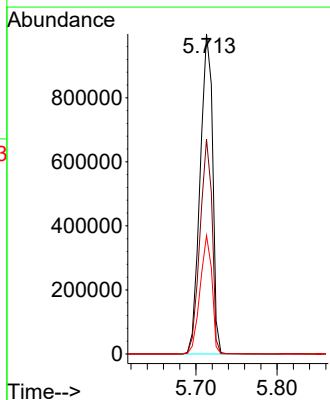
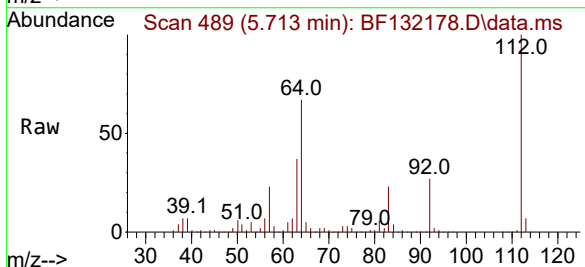
Instrument :
 BNA_F
 ClientSampleId :
 B-P34B

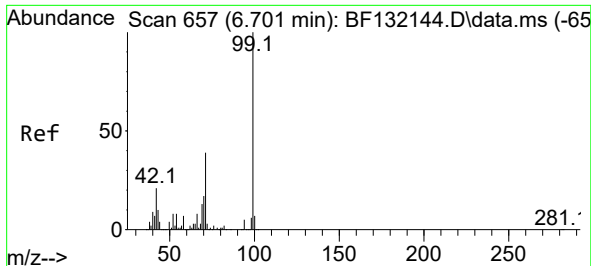
Tgt Ion:152 Resp: 185742
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.8 188.8
 115 58.9 49.2 73.8



#5
 2-Fluorophenol
 Concen: 100.604 ng
 RT: 5.713 min Scan# 489
 Delta R.T. 0.006 min
 Lab File: BF132178.D
 Acq: 21 Jan 2023 00:23

Tgt Ion:112 Resp: 1069702
 Ion Ratio Lower Upper
 112 100
 64 67.2 51.4 77.0
 63 37.0 28.2 42.2

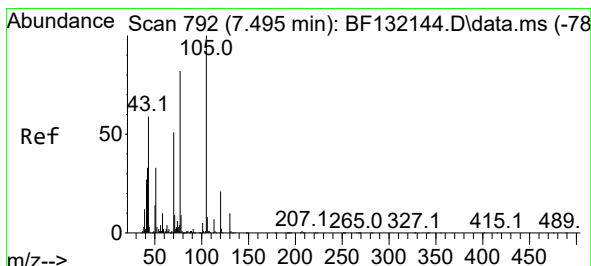
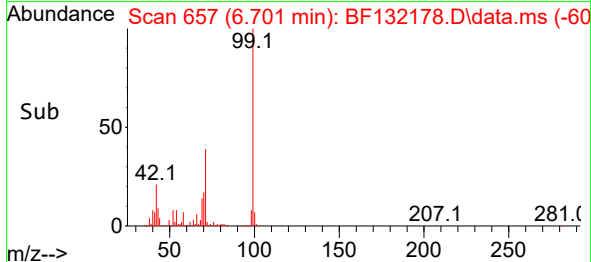
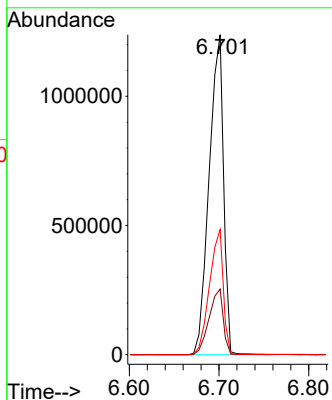
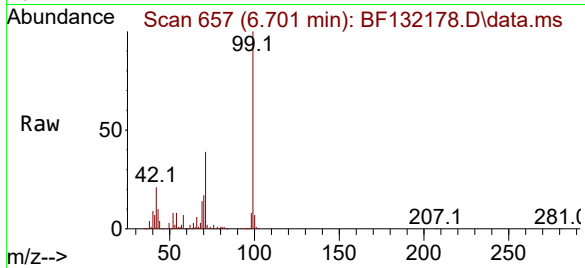




#7
Phenol-d6
Concen: 103.267 ng
RT: 6.701 min Scan# 61
Delta R.T. -0.000 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

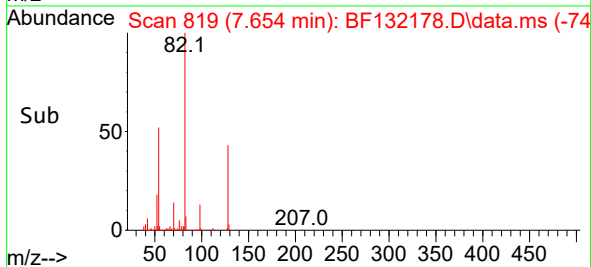
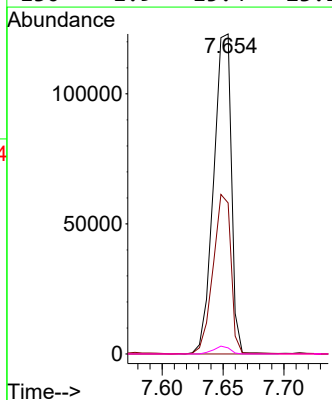
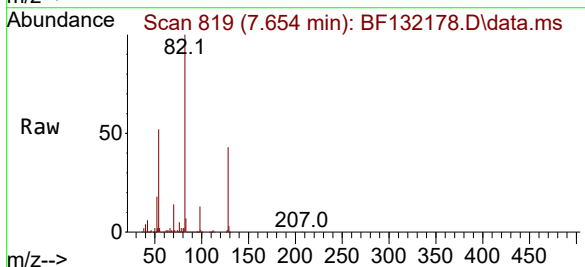
Instrument :
BNA_F
ClientSampleId :
B-P34B

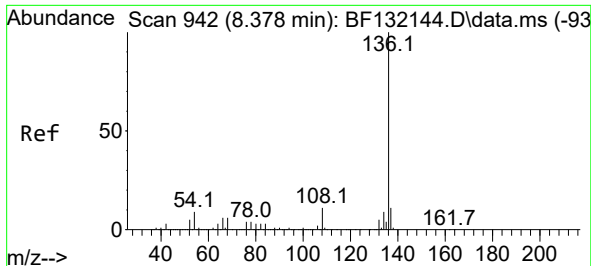
Tgt Ion: 99 Resp: 1382198
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 39.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.253 ng
RT: 7.654 min Scan# 819
Delta R.T. 0.159 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion: 70 Resp: 125055
Ion Ratio Lower Upper
70 100
42 47.2 51.0 76.4#
101 0.0 7.3 10.9#
130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.378 min Scan# 942

Delta R.T. -0.000 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

Instrument :

BNA_F

ClientSampleId :

B-P34B

Tgt Ion:136 Resp: 675652

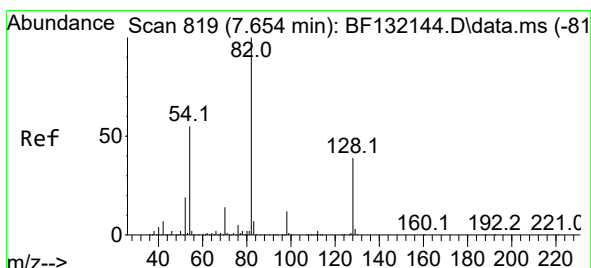
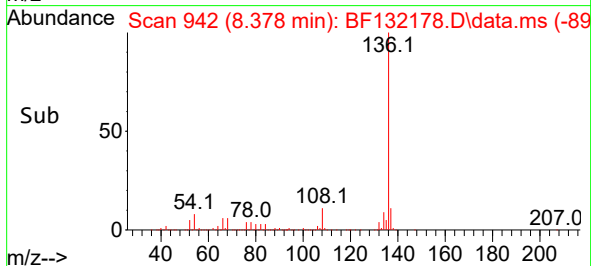
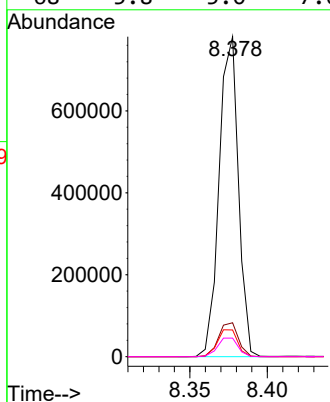
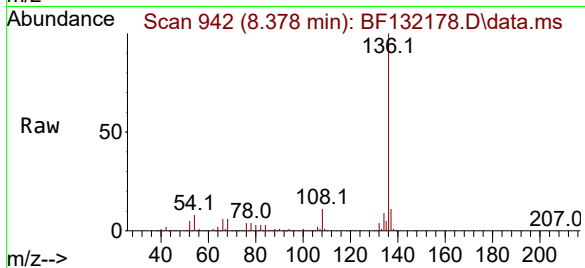
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.3 7.0 10.6

68 5.8 5.0 7.6



#23

Nitrobenzene-d5

Concen: 72.204 ng

RT: 7.654 min Scan# 819

Delta R.T. -0.000 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

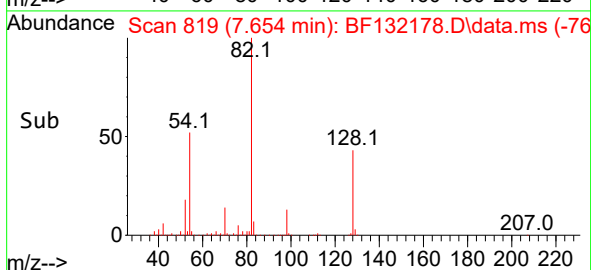
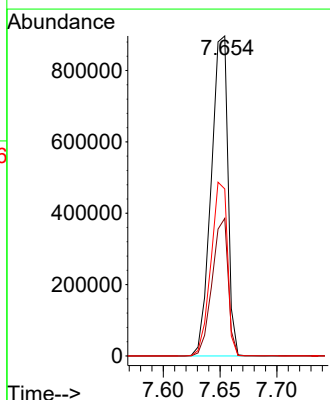
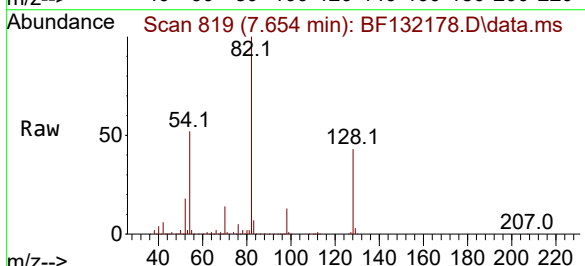
Tgt Ion: 82 Resp: 918338

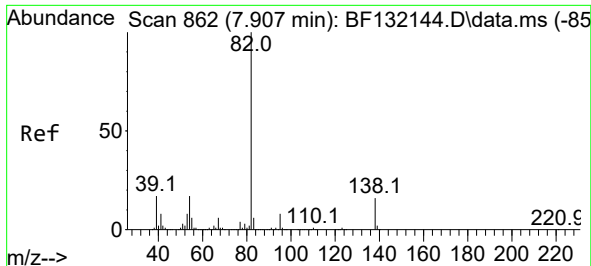
Ion Ratio Lower Upper

82 100

128 43.0 31.1 46.7

54 52.2 43.9 65.9

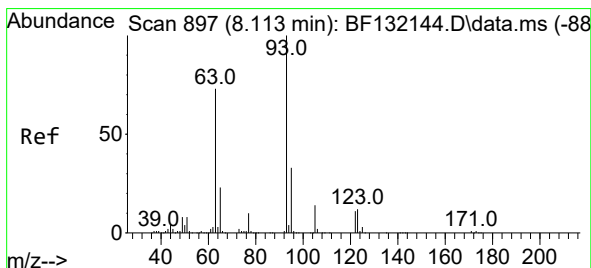
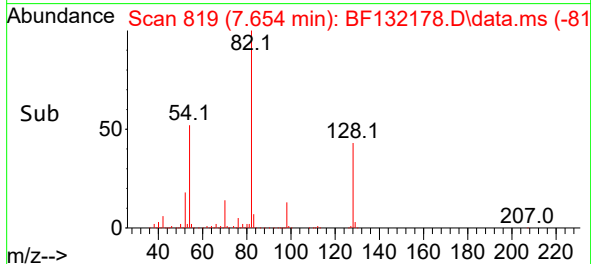
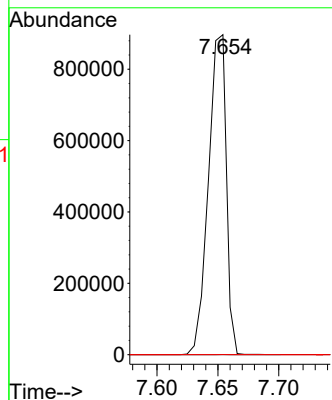
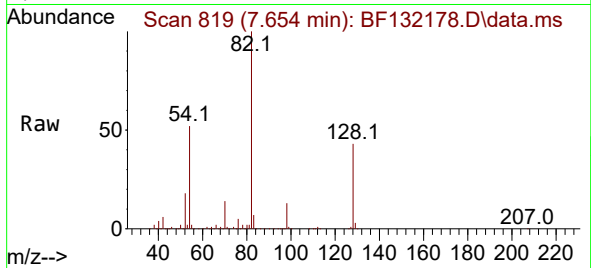




#25
Isophorone
Concen: 36.902 ng
RT: 7.654 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

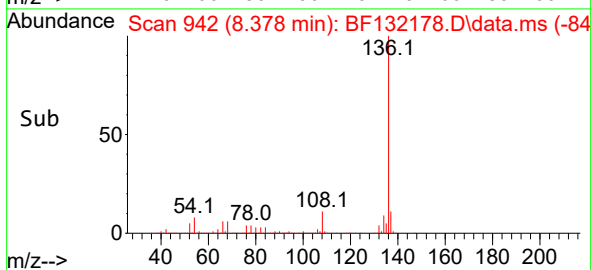
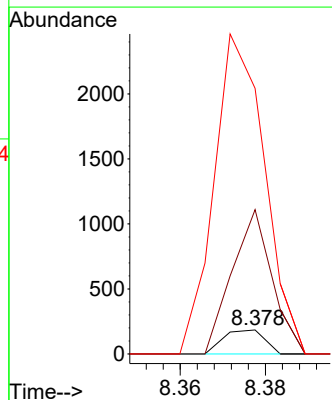
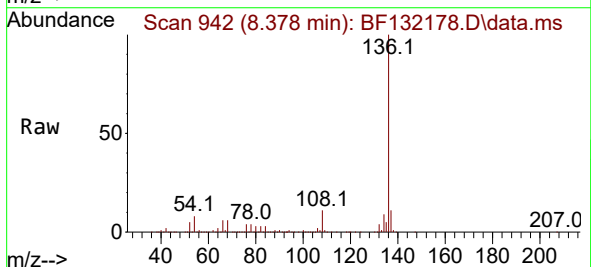
Instrument :
BNA_F
ClientSampleId :
B-P34B

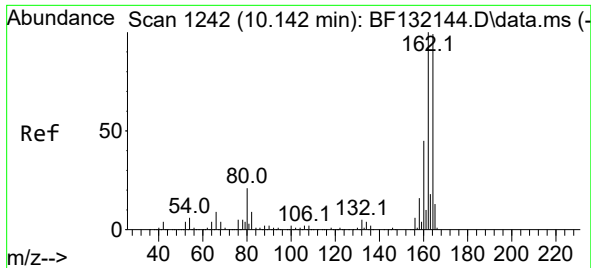
Tgt Ion: 82 Resp: 918326
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.9 19.3#



#32
Benzoic acid
Concen: 7.868 ng
RT: 8.378 min Scan# 942
Delta R.T. 0.265 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 603.3 96.8 136.8#
77 1110.3 72.5 112.5#

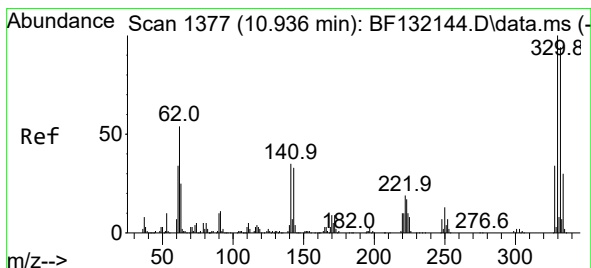
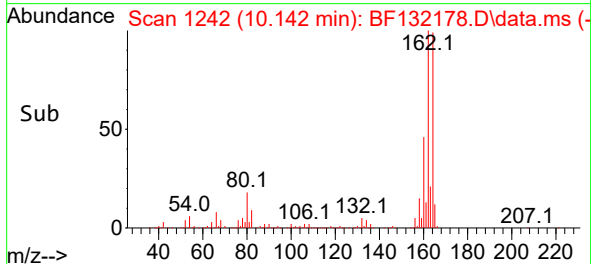
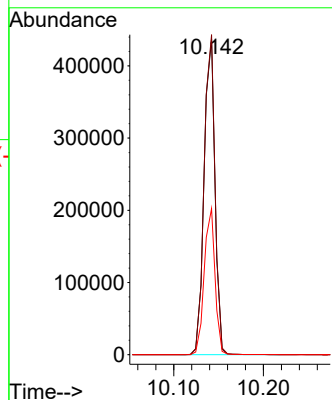
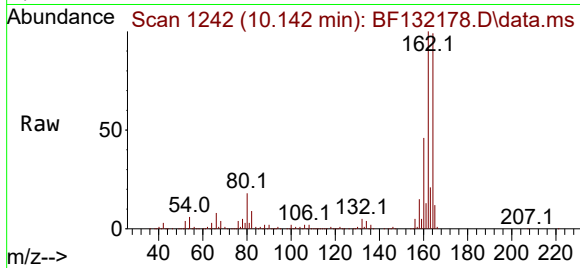




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.142 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

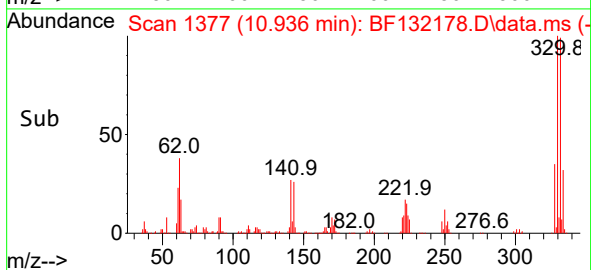
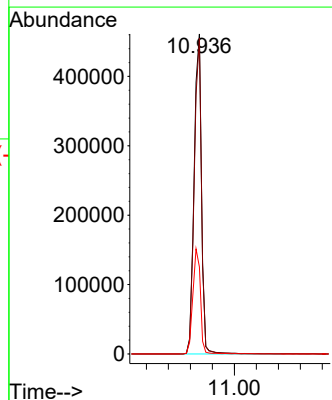
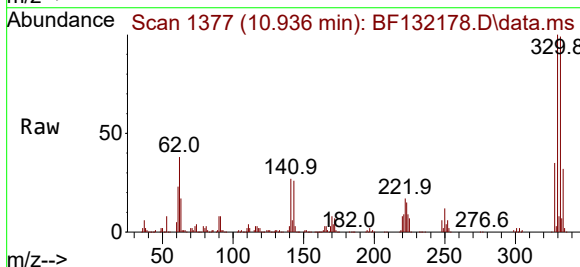
Instrument :
BNA_F
ClientSampleId :
B-P34B

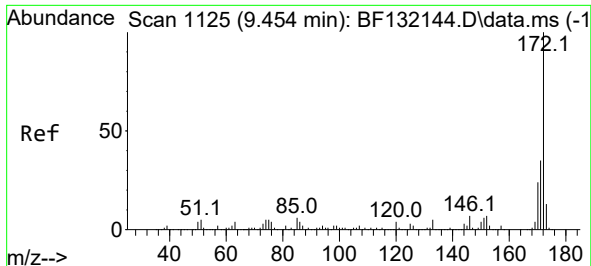
Tgt Ion:164 Resp: 368118
Ion Ratio Lower Upper
164 100
162 101.4 81.2 121.8
160 46.3 36.9 55.3



#42
2,4,6-Tribromophenol
Concen: 108.147 ng
RT: 10.936 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:330 Resp: 425240
Ion Ratio Lower Upper
330 100
332 96.7 75.6 113.4
141 33.8 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 60.693 ng

RT: 9.454 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

Instrument :

BNA_F

ClientSampleId :

B-P34B

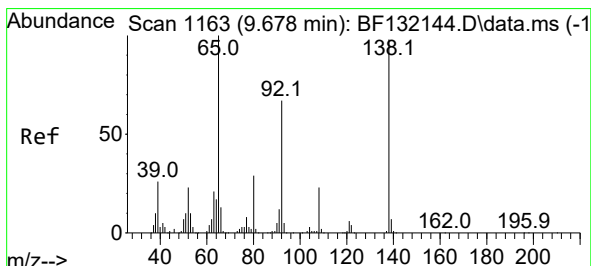
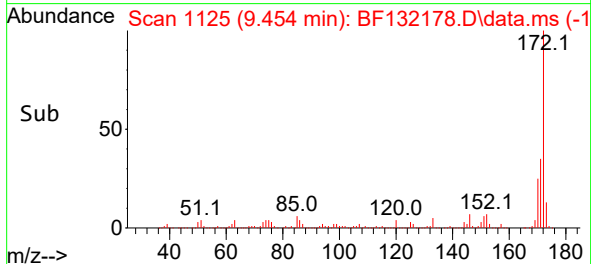
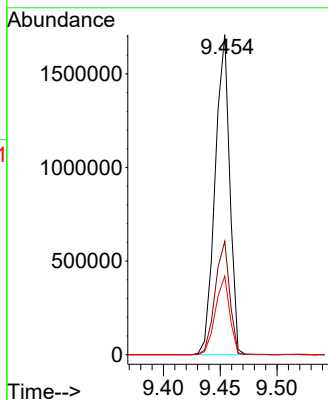
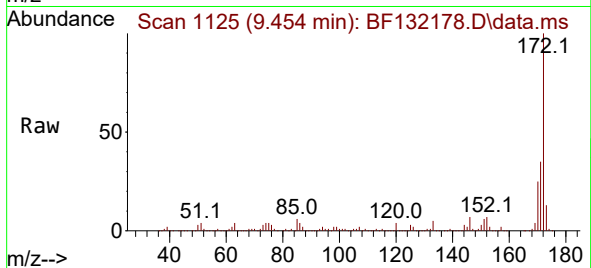
Tgt Ion:172 Resp: 1528993

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 24.5 19.6 29.4



#48

2-Nitroaniline

Concen: 2.589 ng

RT: 9.554 min Scan# 1142

Delta R.T. -0.124 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

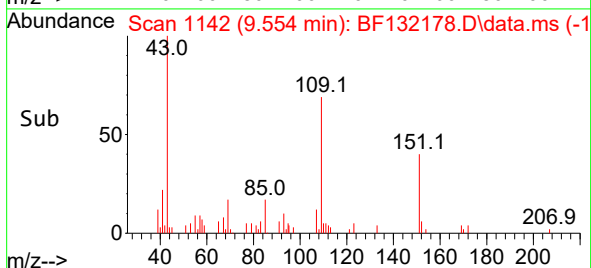
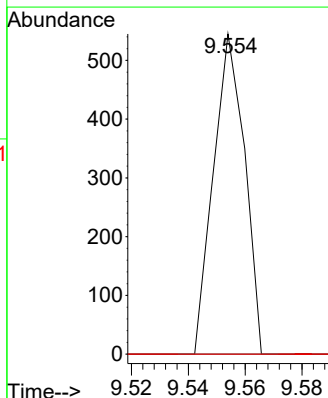
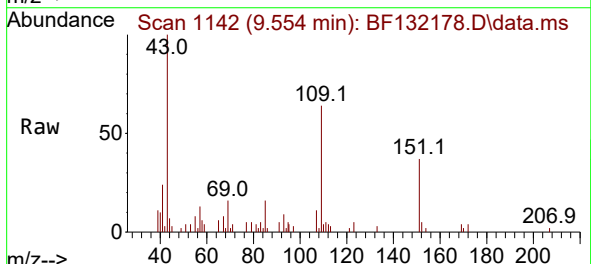
Tgt Ion: 65 Resp: 414

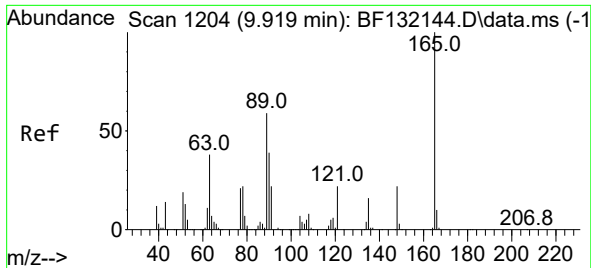
Ion Ratio Lower Upper

65 100

92 0.0 53.8 80.6#

138 0.0 78.7 118.1#

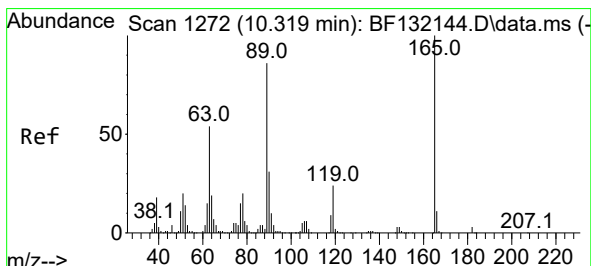
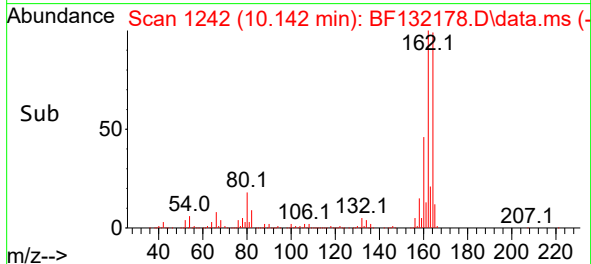
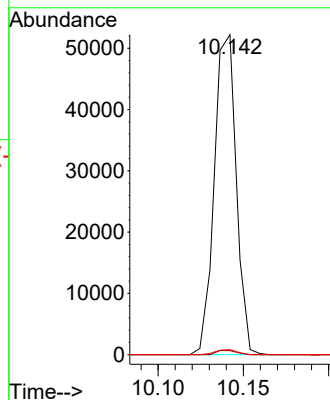
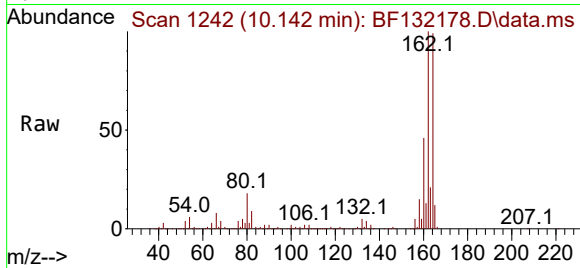




#51
2,6-Dinitrotoluene
Concen: 9.092 ng
RT: 10.142 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

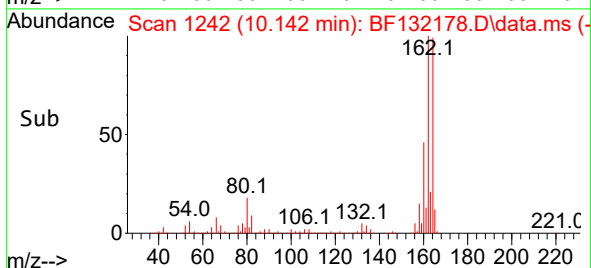
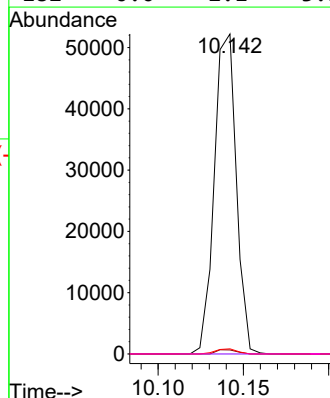
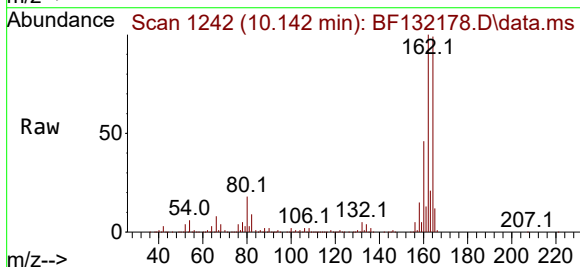
Instrument :
BNA_F
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B-P34B

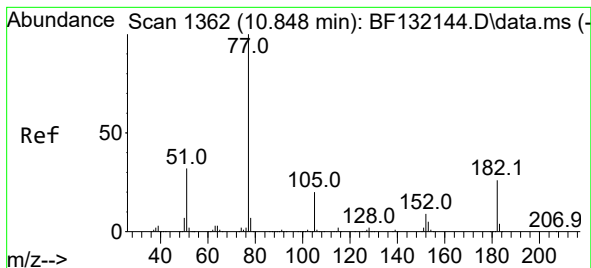
Tgt Ion:165 Resp: 46984
Ion Ratio Lower Upper
165 100
63 1.3 46.6 70.0#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 7.574 ng
RT: 10.142 min Scan# 1242
Delta R.T. -0.177 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:165 Resp: 46984
Ion Ratio Lower Upper
165 100
63 1.3 43.5 65.3#
89 1.6 69.0 103.6#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.362 ng

RT: 10.854 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

Instrument :

BNA_F

ClientSampleId :

B-P34B

Tgt Ion: 77 Resp: 61985

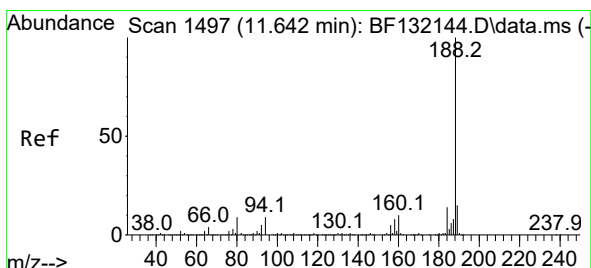
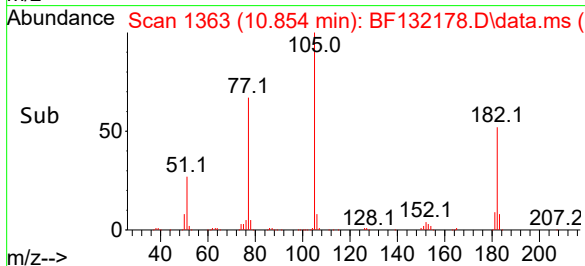
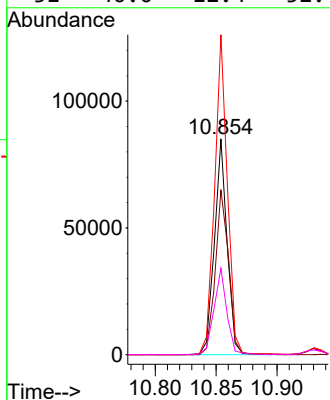
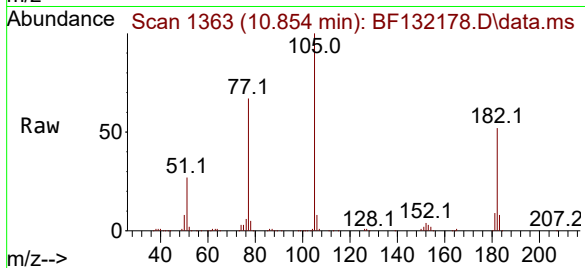
Ion Ratio Lower Upper

77 100

182 76.4 6.4 46.4#

105 148.2 0.0 39.8#

51 40.0 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.636 min Scan# 1496

Delta R.T. -0.006 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

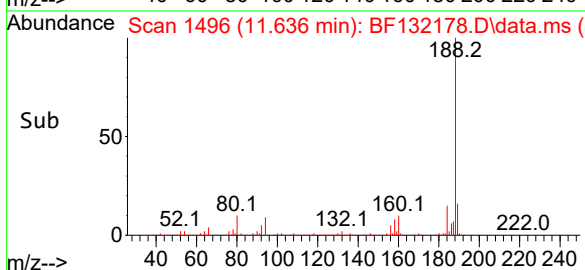
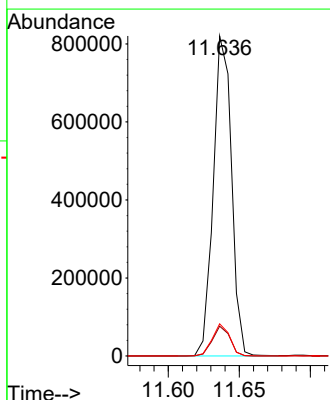
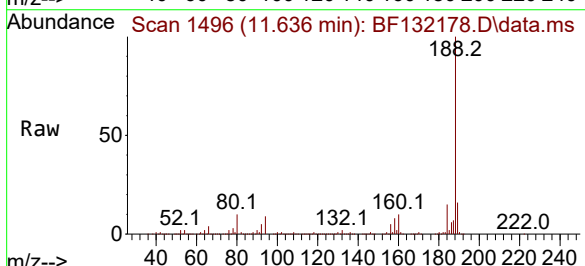
Tgt Ion: 188 Resp: 732948

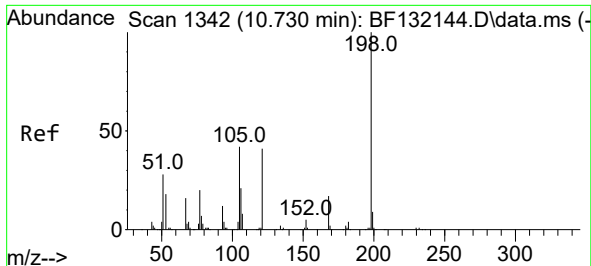
Ion Ratio Lower Upper

188 100

94 9.3 6.9 10.3

80 10.0 7.5 11.3

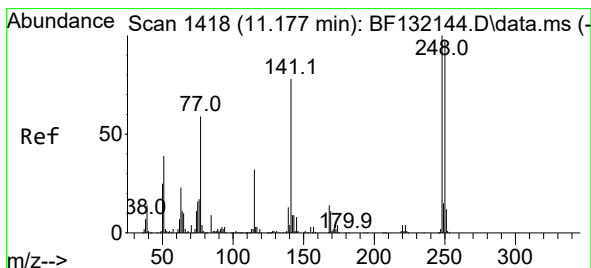
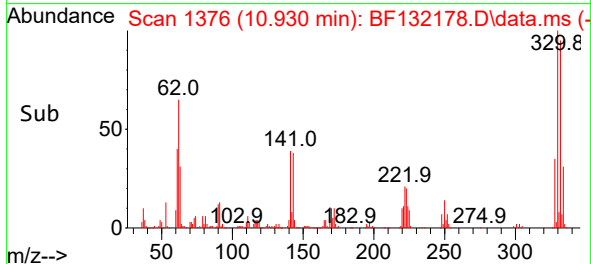
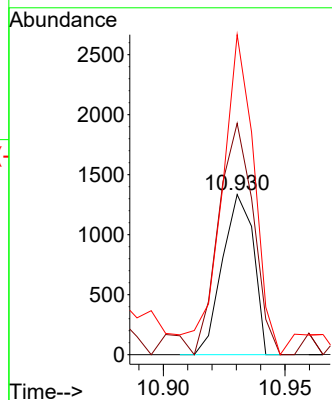
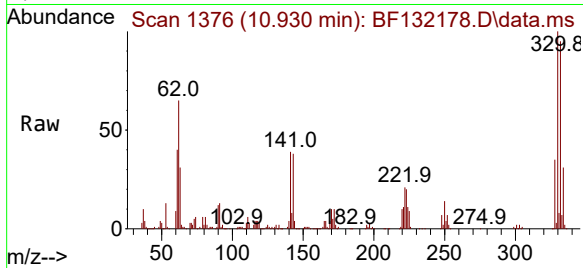




#65
4,6-Dinitro-2-methylphenol
Concen: 8.087 ng
RT: 10.930 min Scan# 1189
Delta R.T. 0.200 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

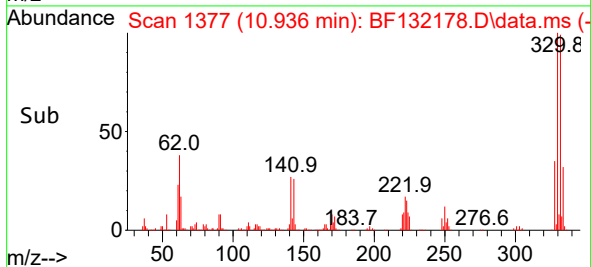
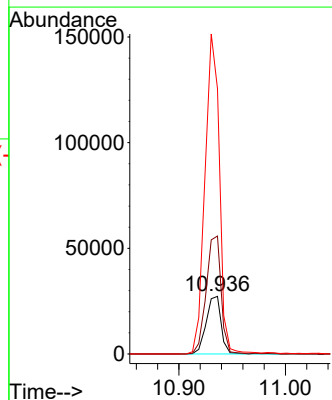
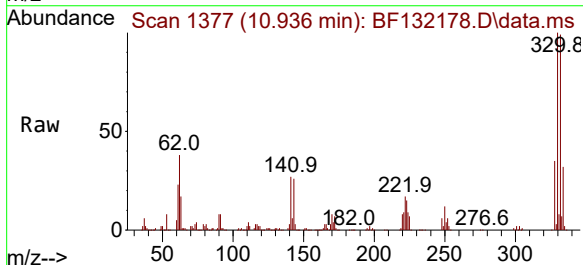
Instrument :
BNA_F
ClientSampleId :
B-P34B

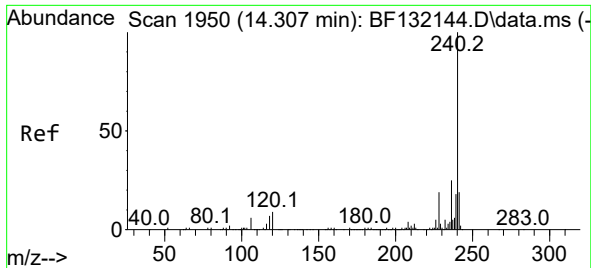
Tgt Ion:198 Resp: 1189
Ion Ratio Lower Upper
198 100
51 144.5 24.3 64.3#
105 199.9 23.3 63.3#



#67
4-Bromophenyl-phenylether
Concen: 2.988 ng
RT: 10.936 min Scan# 1377
Delta R.T. -0.241 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:248 Resp: 26691
Ion Ratio Lower Upper
248 100
250 204.5 77.4 116.0#
141 460.1 62.2 93.2#

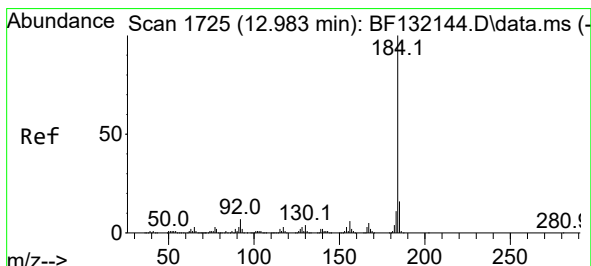
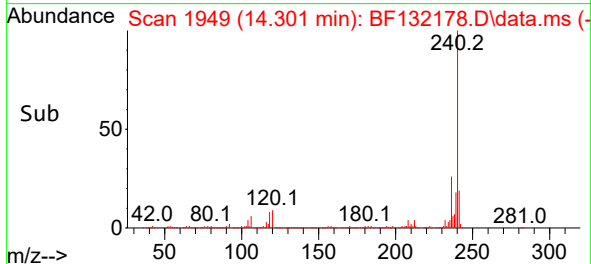
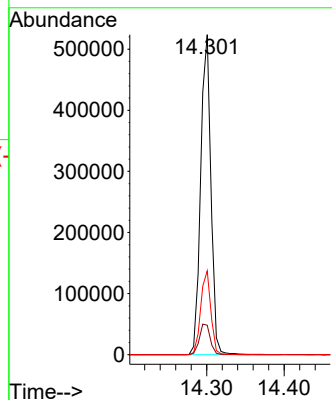
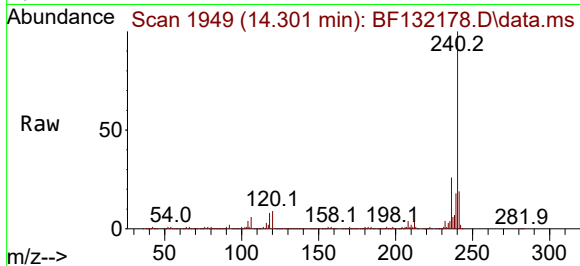




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.301 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

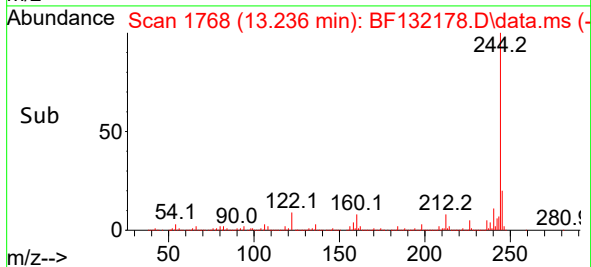
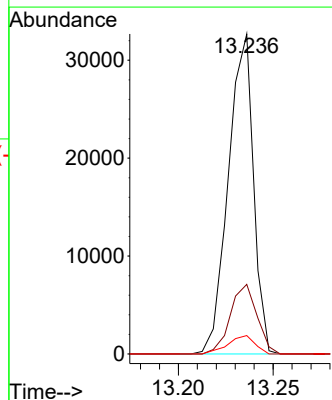
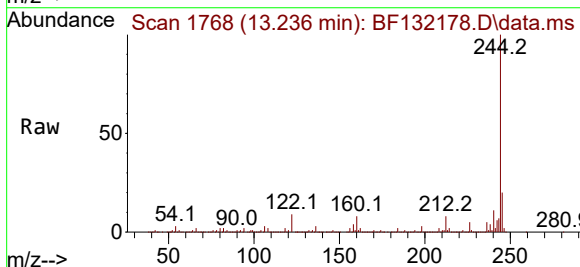
Instrument :
BNA_F
ClientSampleId :
B-P34B

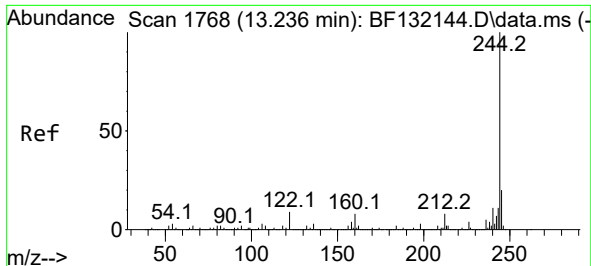
Tgt Ion:240 Resp: 480445
Ion Ratio Lower Upper
240 100
120 9.2 6.9 10.3
236 26.2 20.3 30.5



#77
Benzidine
Concen: 2.086 ng
RT: 13.236 min Scan# 1768
Delta R.T. 0.253 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:184 Resp: 30086
Ion Ratio Lower Upper
184 100
185 21.7 12.5 18.7#
183 5.8 9.0 13.4#

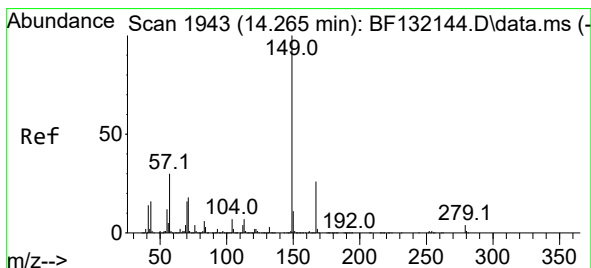
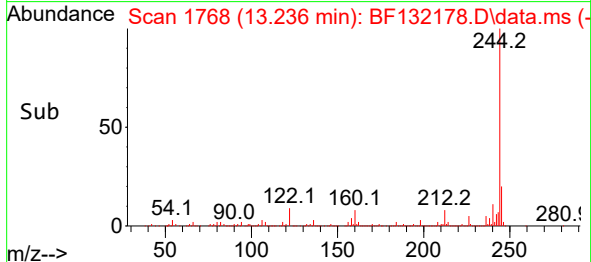
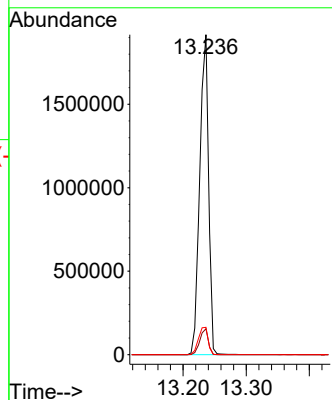
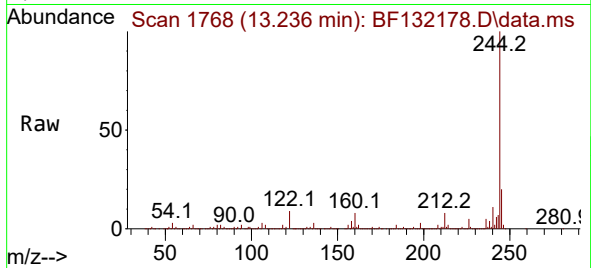




#79
 Terphenyl-d14
 Concen: 64.767 ng
 RT: 13.236 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132178.D
 Acq: 21 Jan 2023 00:23

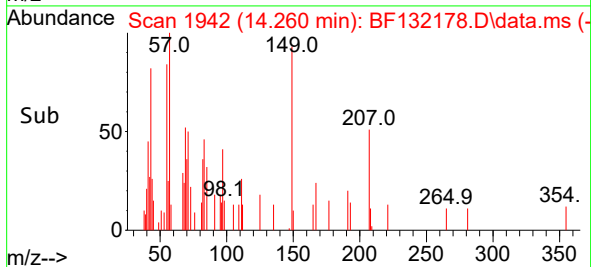
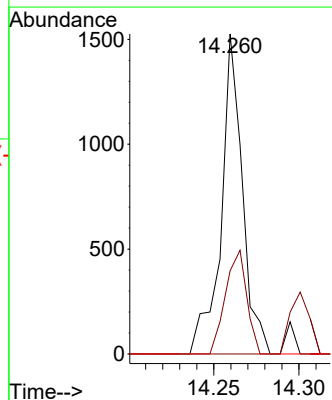
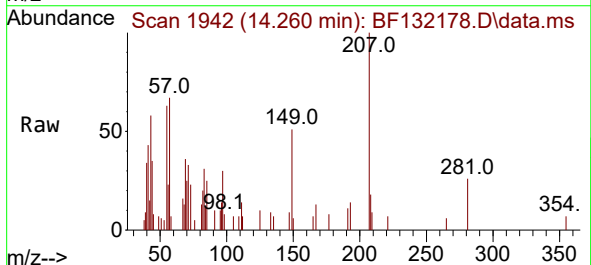
Instrument :
 BNA_F
 ClientSampleId :
 B-P34B

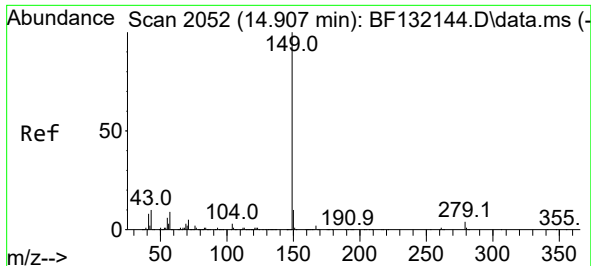
Tgt Ion:244 Resp: 1857599
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 8.5 7.4 11.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.556 ng
 RT: 14.260 min Scan# 1942
 Delta R.T. -0.005 min
 Lab File: BF132178.D
 Acq: 21 Jan 2023 00:23

Tgt Ion:149 Resp: 1322
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.6
 279 0.0 3.2 4.8#

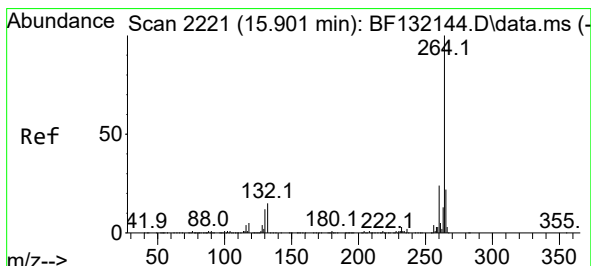
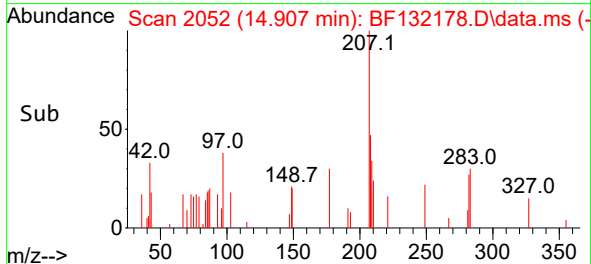
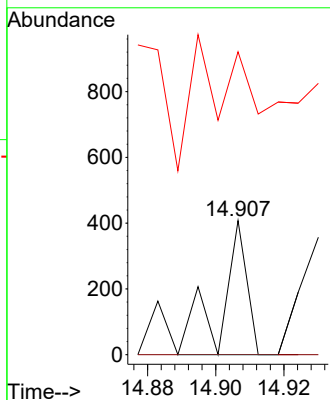
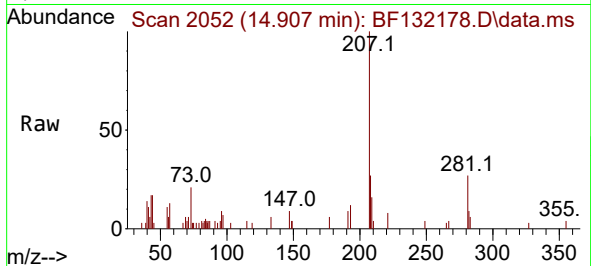




#85
Di-n-octyl phthalate
Concen: 5.345 ng
RT: 14.907 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

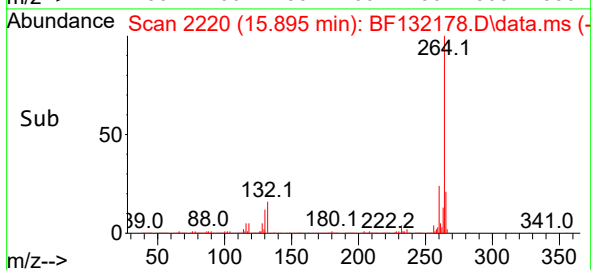
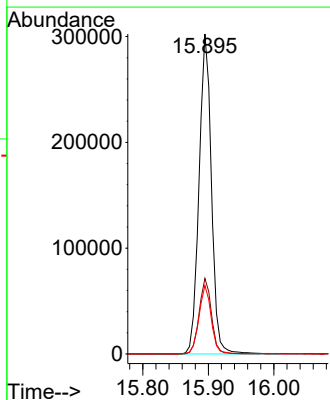
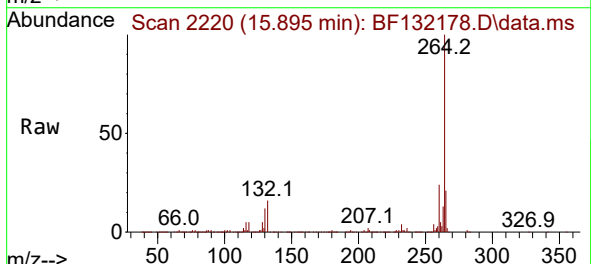
Instrument :
BNA_F
ClientSampleId :
B-P34B

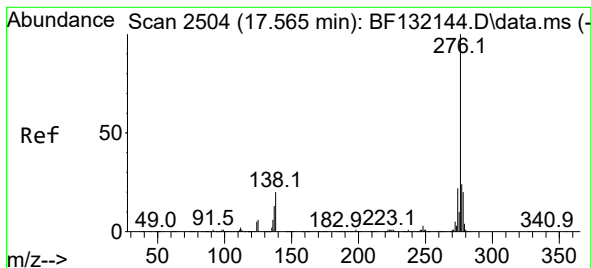
Tgt Ion:149 Resp: 217
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 247.0 8.4 12.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.895 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF132178.D
Acq: 21 Jan 2023 00:23

Tgt Ion:264 Resp: 398304
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.339 ng

RT: 17.553 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

Instrument :

BNA_F

ClientSampleId :

B-P34B

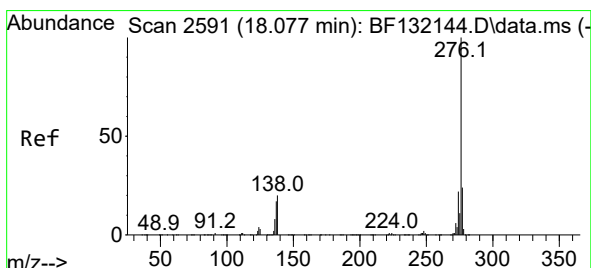
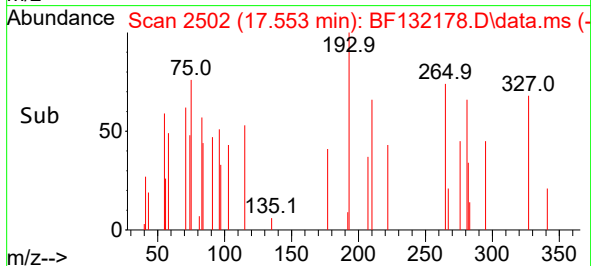
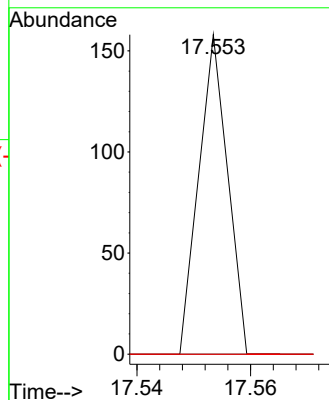
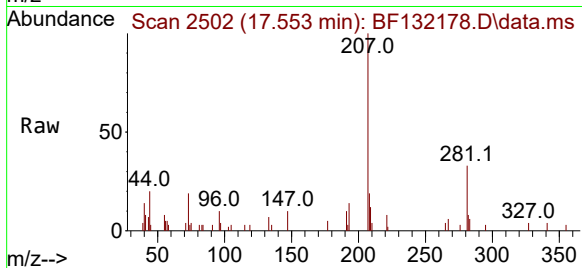
Tgt Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

138 0.0 17.9 26.9#

277 0.0 20.2 30.2#



#92

Benzo(g,h,i)perylene

Concen: 2.302 ng

RT: 18.053 min Scan# 2587

Delta R.T. -0.024 min

Lab File: BF132178.D

Acq: 21 Jan 2023 00:23

Tgt Ion:276 Resp: 116

Ion Ratio Lower Upper

276 100

277 0.0 18.9 28.3#

138 0.0 15.7 23.5#

