

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135533.D
 Acq On : 02 Oct 2023 18:14
 Operator : CG\JU
 Sample : 04668-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

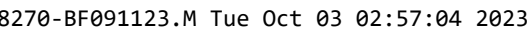
Instrument :
 BNA_F
 ClientSampleId :
 RBR200045

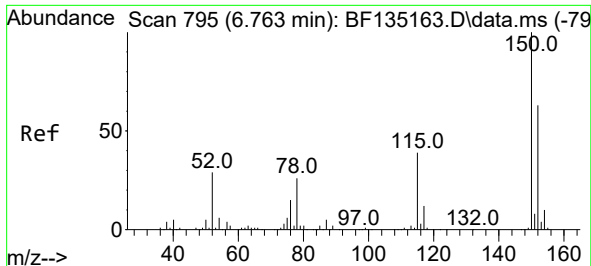
Quant Time: Oct 03 02:56:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	144205	20.000	ng	-0.01
21) Naphthalene-d8	8.022	136	486546	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	116971	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	87149	20.000	ng	# 0.08
76) Chrysene-d12	13.969	240	188222	20.000	ng	# 0.04
86) Perylene-d12	15.410	264	314576	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	642168	72.428	ng	0.00
7) Phenol-d6	6.393	99	766974	68.031	ng	-0.01
23) Nitrobenzene-d5	7.304	82	431241	48.154	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	62723	53.960	ng	0.02
45) 2-Fluorobiphenyl	9.098	172	576417	74.348	ng	-0.01
79) Terphenyl-d14	12.945	244	233147	19.202	ng	0.07
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	56569	8.101	ng	# 83
25) Isophorone	7.304	82	429208	26.100	ng	# 65
48) 2-Nitroaniline	9.334	65	10552	4.164	ng	# 1
49) Acenaphthylene	9.651	152	25311	2.335	ng	# 1
51) 2,6-Dinitrotoluene	9.586	165	17771	10.258	ng	# 30
53) 3-Nitroaniline	9.769	138	16632	8.178	ng	# 37
54) 2,4-Dinitrophenol	9.869	184	1140	7.316	ng	# 1
56) 4-Nitrophenol	9.910	139	8247	6.381	ng	# 1
57) 2,4-Dinitrotoluene	9.998	165	15319	7.063	ng	# 58
60) Diethylphthalate	10.251	149	18755	2.363	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.357	204	8053	2.232	ng	# 1
62) 4-Nitroaniline	10.257	138	35911	18.370	ng	97
63) Azobenzene	10.551	77	26084	3.358	ng	# 23
65) 4,6-Dinitro-2-methylph...	10.516	198	2214	4.783	ng	# 1
66) n-Nitrosodiphenylamine	10.469	169	69377	26.295	ng	# 52
69) Atrazine	11.022	200	2182	3.074	ng	# 1
70) Pentachlorophenol	11.192	266	17233	32.619	ng	# 28
71) Phenanthrene	11.380	178	35527	8.619	ng	# 1
72) Anthracene	11.380	178	35527	8.385	ng	# 1
74) Di-n-butylphthalate	11.922	149	51039	11.231	ng	# 12
80) Butylbenzylphthalate	13.422	149	13829	2.192	ng	# 13
84) Bis(2-ethylhexyl)phtha...	13.927	149	81839	12.640	ng	# 87

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

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QLast Update : Sat Sep 30 00:12:20 2023
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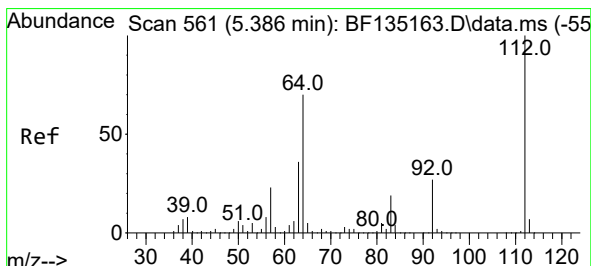
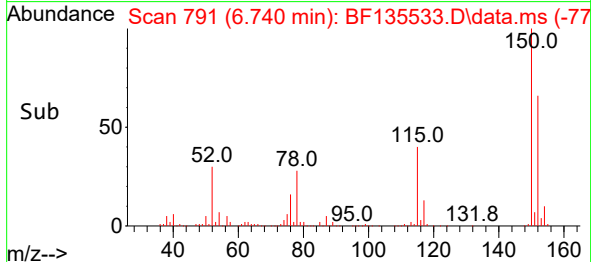
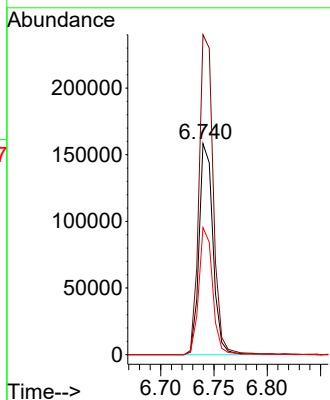
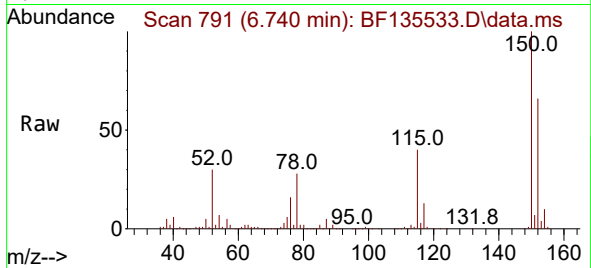




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. -0.011 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

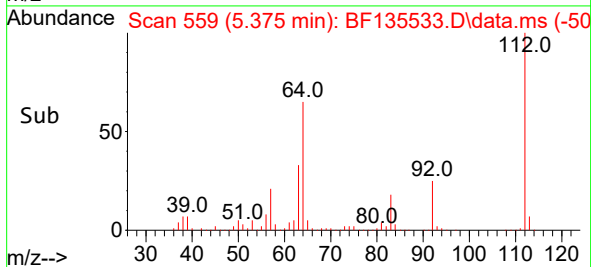
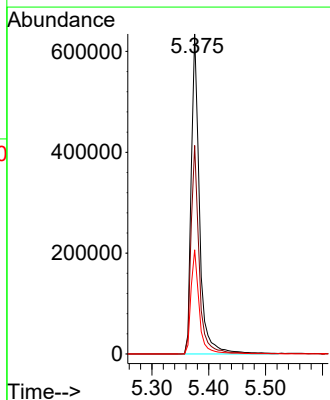
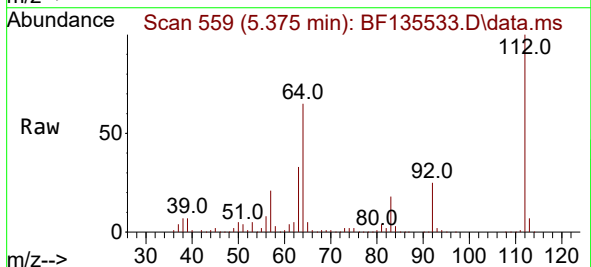
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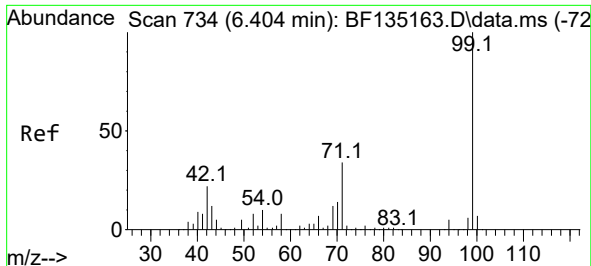
Tgt Ion:152 Resp: 144205
Ion Ratio Lower Upper
152 100
150 151.7 127.8 191.6
115 60.2 49.8 74.8



#5
2-Fluorophenol
Concen: 72.428 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.006 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:112 Resp: 642168
Ion Ratio Lower Upper
112 100
64 65.1 55.9 83.9
63 32.6 29.0 43.6

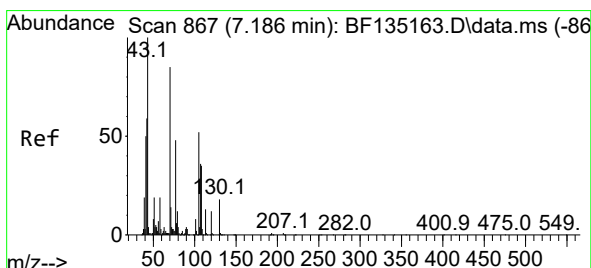
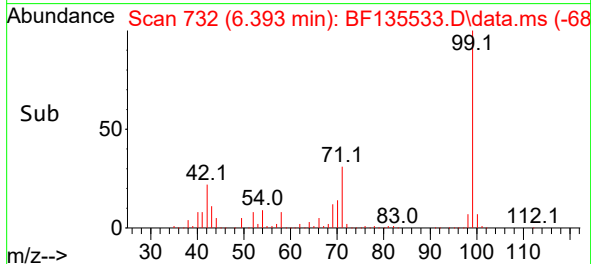
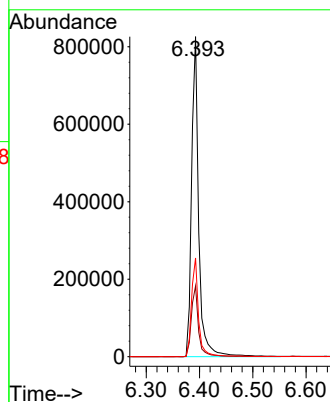
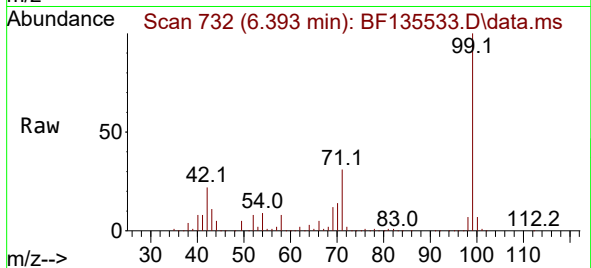




#7
Phenol-d6
Concen: 68.031 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

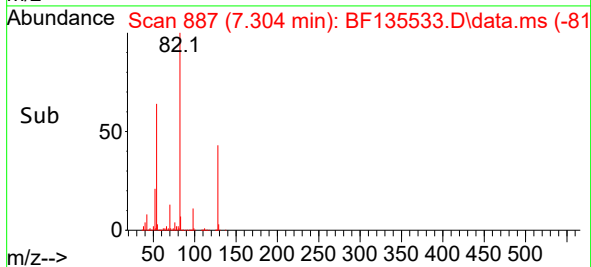
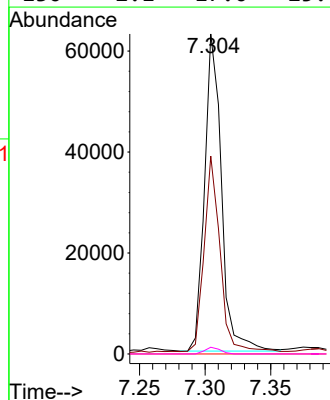
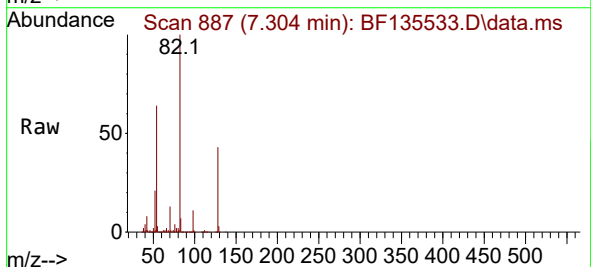
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ClientSampleId :
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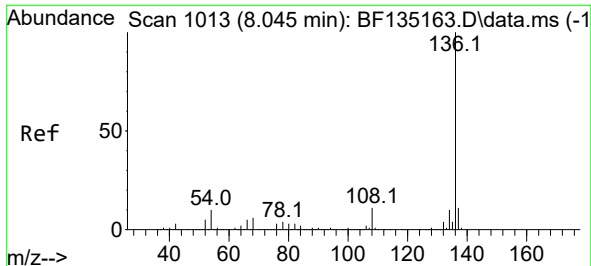
Tgt Ion: 99 Resp: 766974
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 30.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.101 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.135 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 70 Resp: 56569
Ion Ratio Lower Upper
70 100
42 61.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

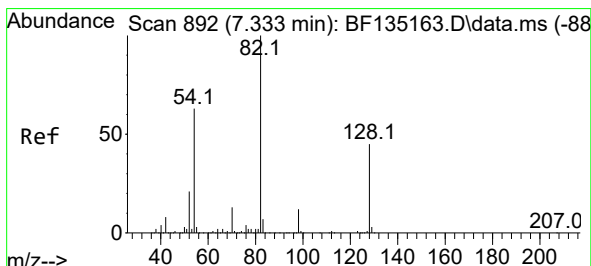
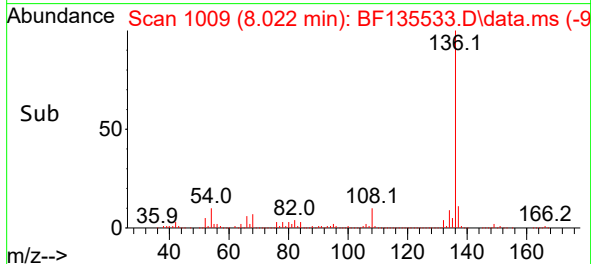
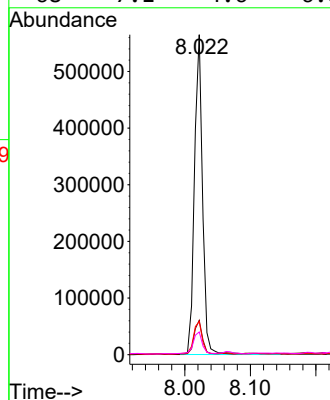
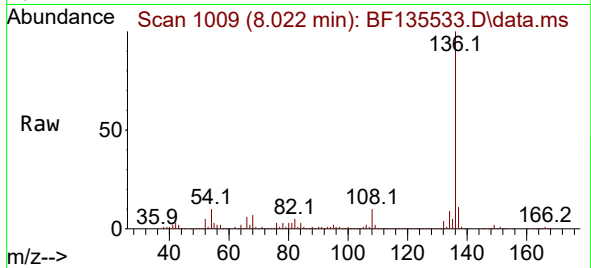




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

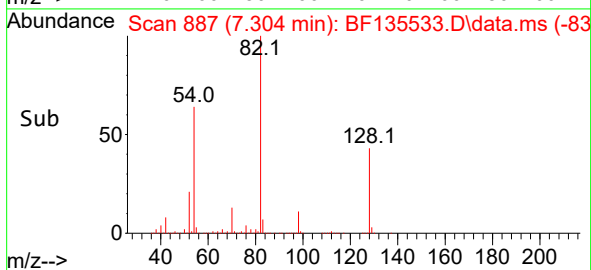
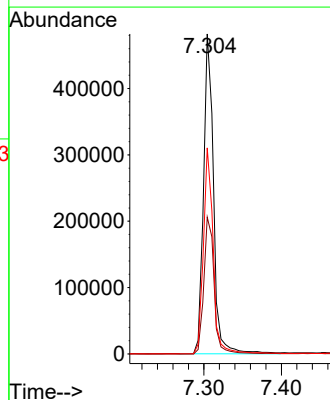
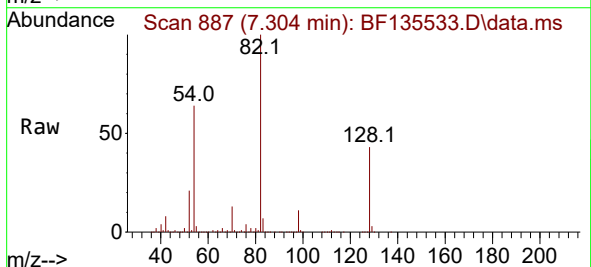
Instrument :
BNA_F
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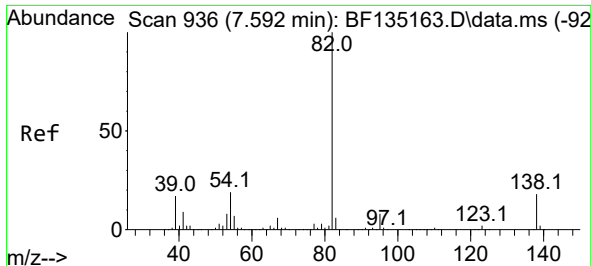
Tgt Ion:136 Resp: 486546
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.4 7.7 11.5
68 7.1 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 48.154 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.018 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 82 Resp: 431241
Ion Ratio Lower Upper
82 100
128 42.8 35.8 53.6
54 64.4 50.6 76.0

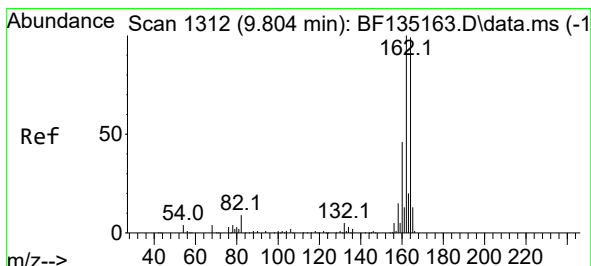
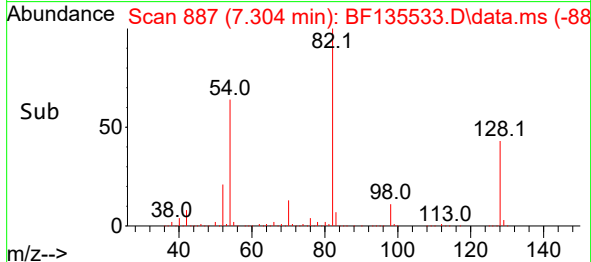
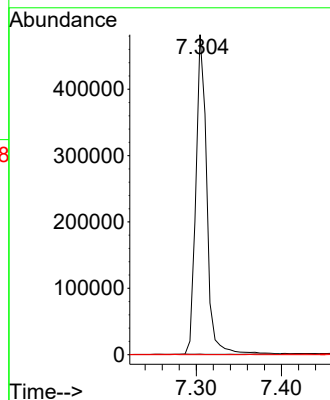
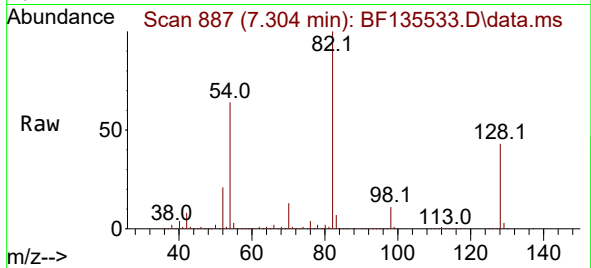




#25
Isophorone
Concen: 26.100 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

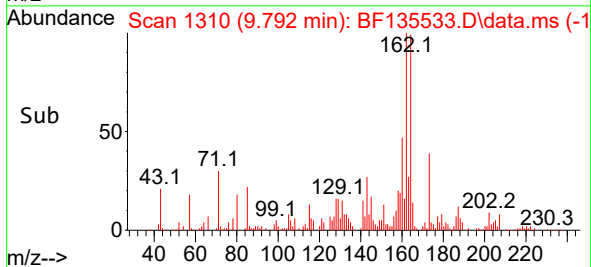
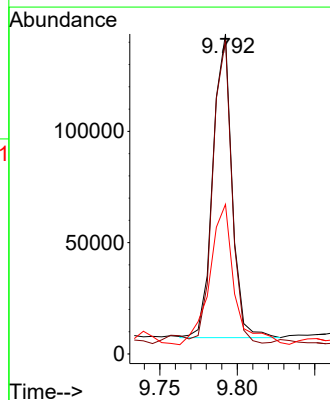
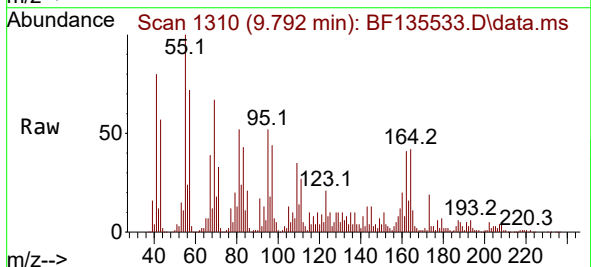
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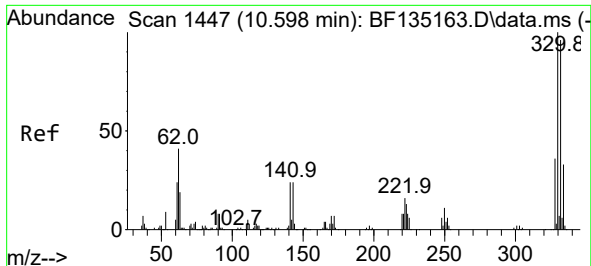
Tgt Ion: 82 Resp: 429208
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.006 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:164 Resp: 116971
Ion Ratio Lower Upper
164 100
162 98.2 81.0 121.4
160 46.8 37.0 55.4

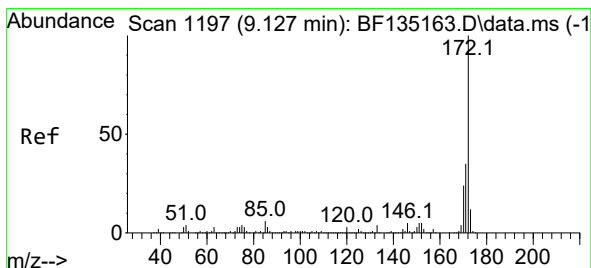
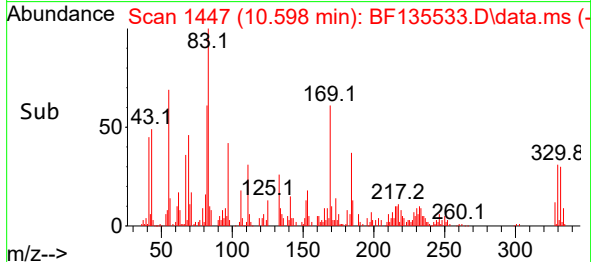
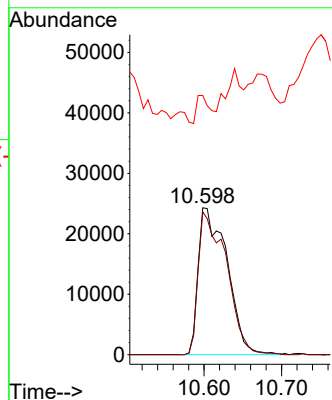
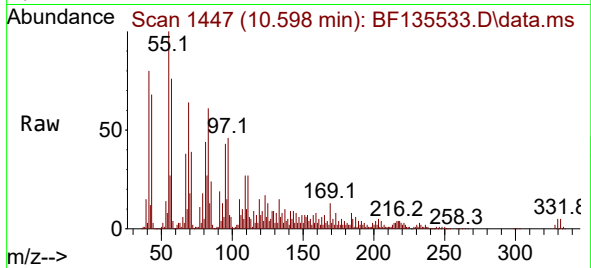




#42
2,4,6-Tribromophenol
Concen: 53.960 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.018 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

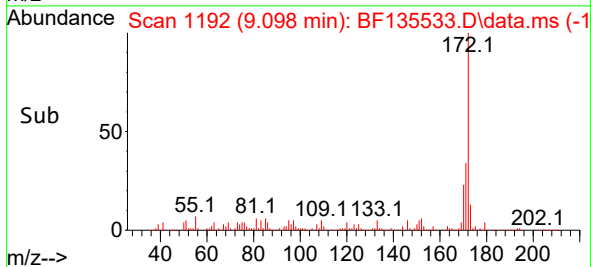
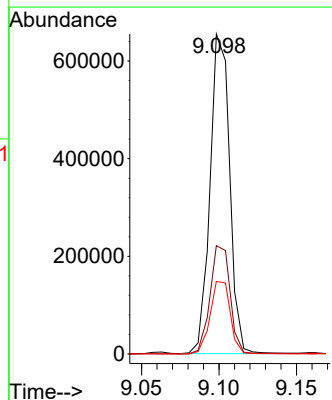
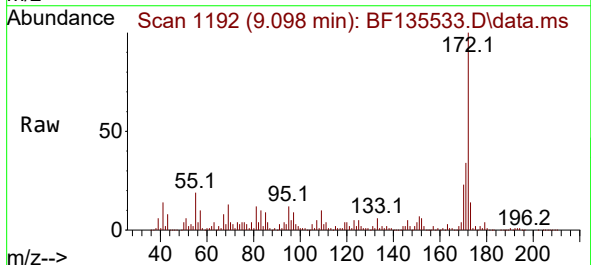
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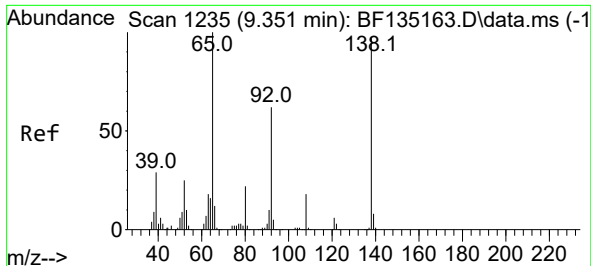
Tgt Ion:330 Resp: 62723
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 9.2 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 74.348 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:172 Resp: 576417
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.7 19.0 28.4

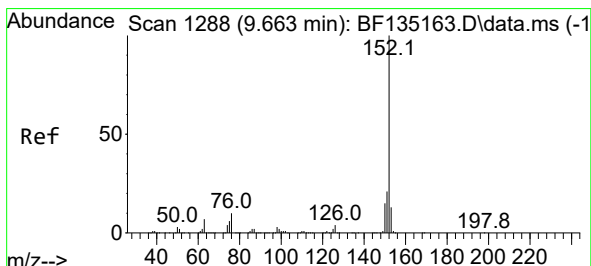
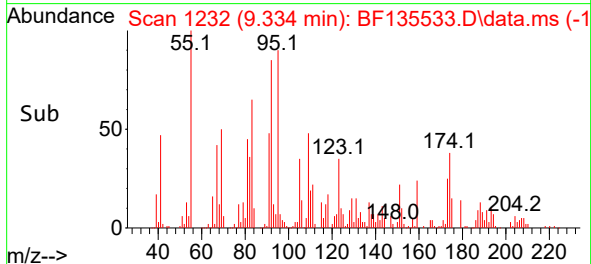
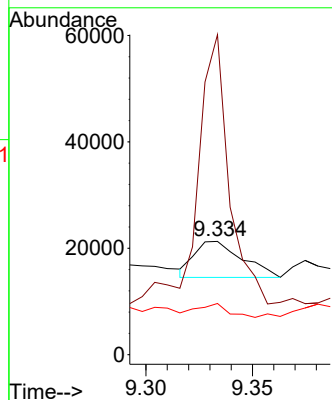
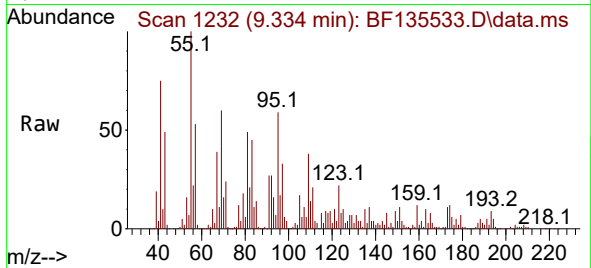




#48
2-Nitroaniline
Concen: 4.164 ng
RT: 9.334 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

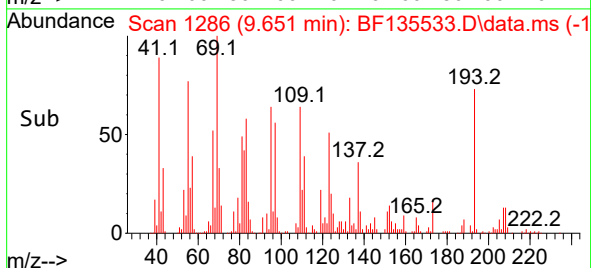
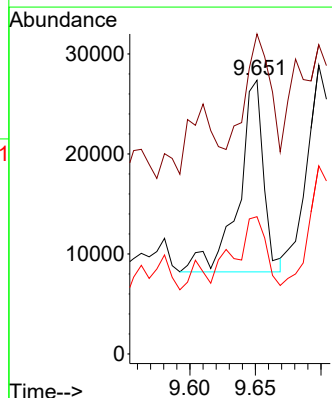
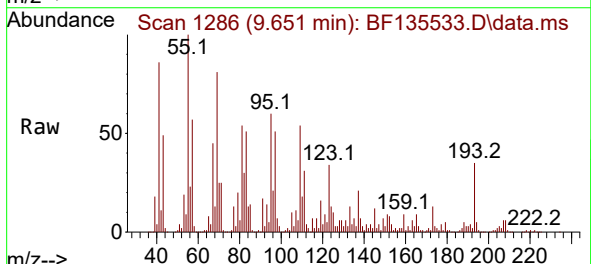
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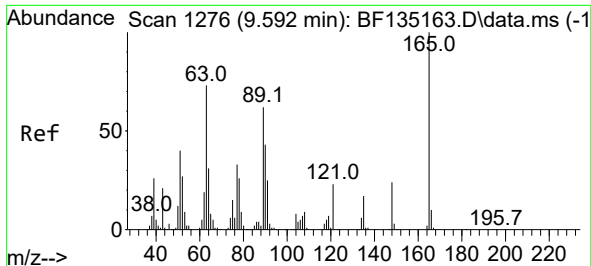
Tgt Ion: 65 Resp: 10552
Ion Ratio Lower Upper
65 100
92 282.4 49.4 74.0#
138 45.2 77.4 116.0#



#49
Acenaphthylene
Concen: 2.335 ng
RT: 9.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion: 152 Resp: 25311
Ion Ratio Lower Upper
152 100
151 116.9 16.4 24.6#
153 50.1 10.4 15.6#





#51

2,6-Dinitrotoluene

Concen: 10.258 ng

RT: 9.586 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

RBR200045

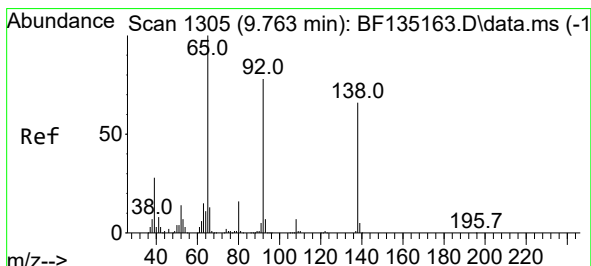
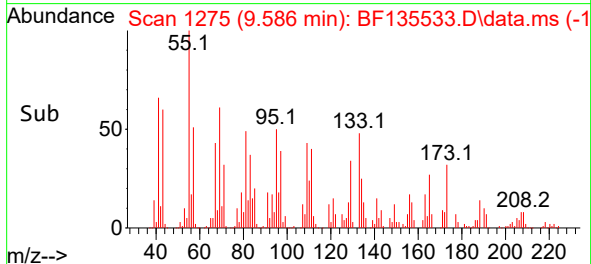
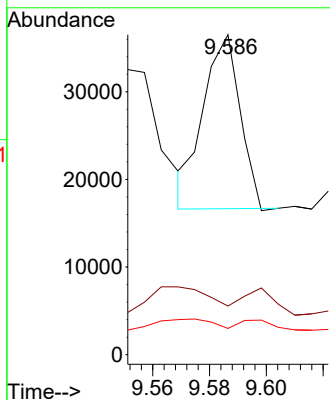
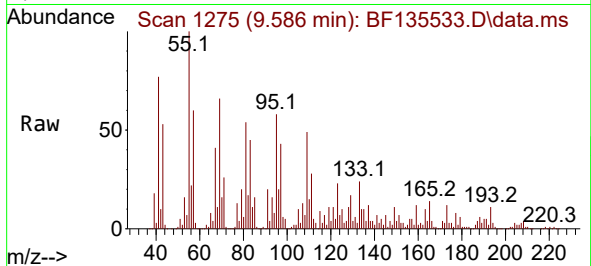
Tgt Ion:165 Resp: 17771

Ion Ratio Lower Upper

165 100

63 15.2 59.4 89.2#

89 8.2 49.8 74.8#



#53

3-Nitroaniline

Concen: 8.178 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.012 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

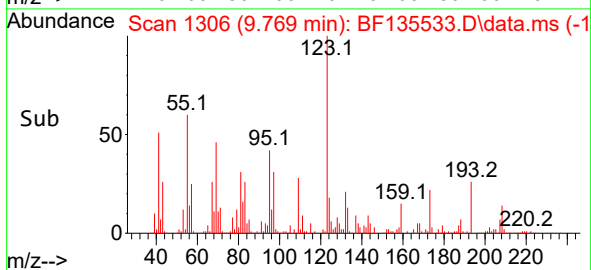
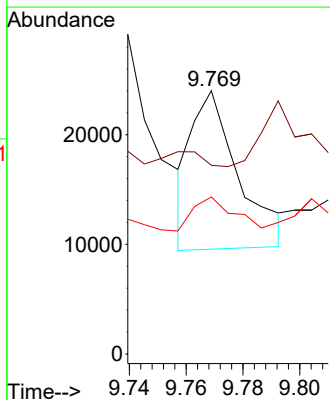
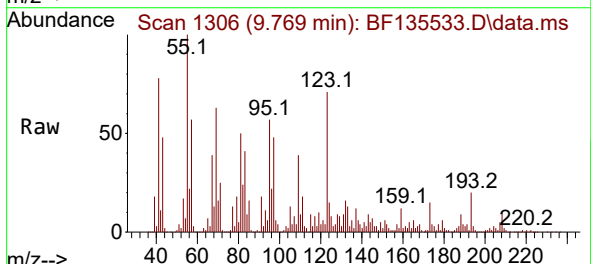
Tgt Ion:138 Resp: 16632

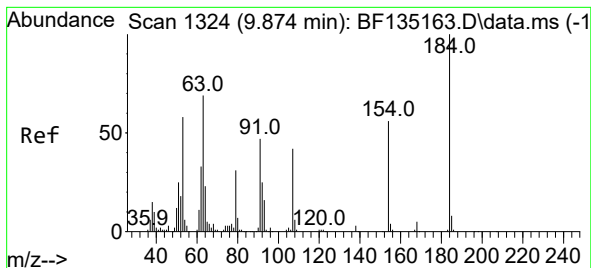
Ion Ratio Lower Upper

138 100

108 71.7 8.5 12.7#

92 59.6 95.4 143.0#





#54

2,4-Dinitrophenol

Concen: 7.316 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

RBR200045

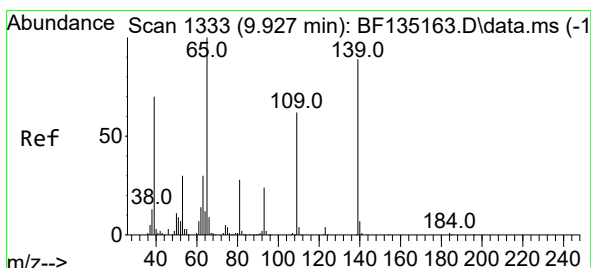
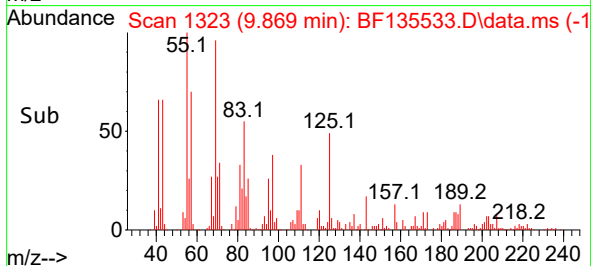
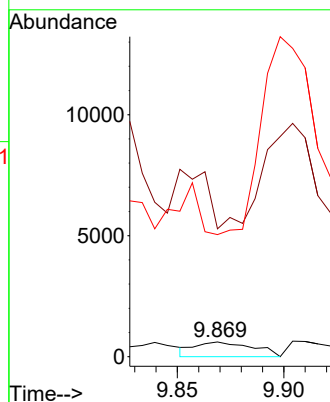
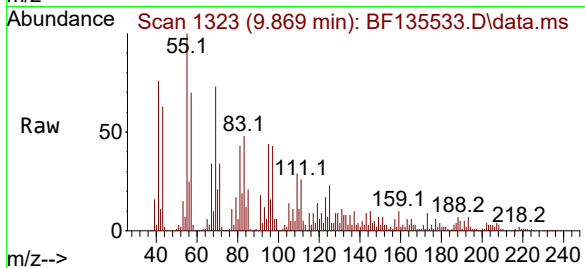
Tgt Ion:184 Resp: 1140

Ion Ratio Lower Upper

184 100

63 867.5 55.1 82.7#

154 828.4 48.4 72.6#



#56

4-Nitrophenol

Concen: 6.381 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.023 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

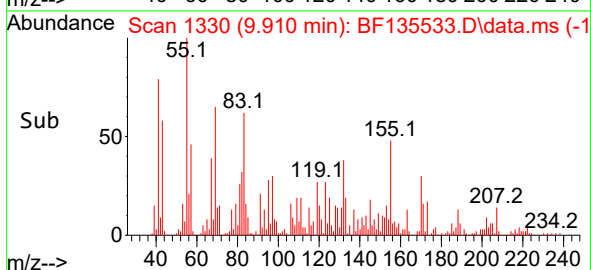
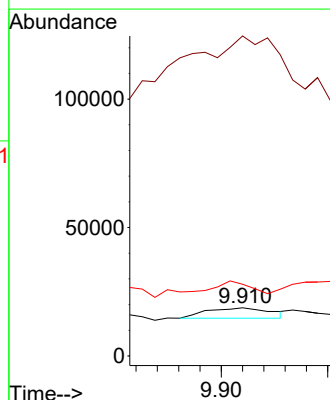
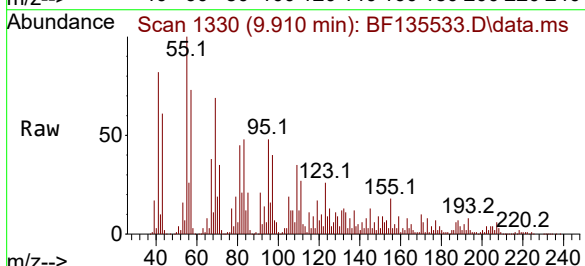
Tgt Ion:139 Resp: 8247

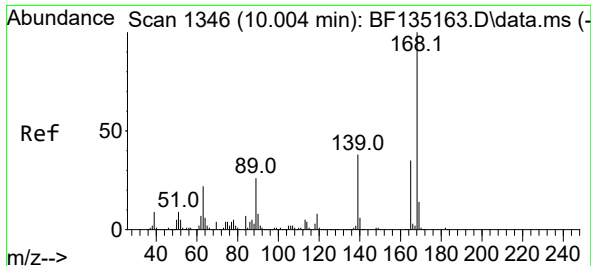
Ion Ratio Lower Upper

139 100

109 664.7 49.8 89.8#

65 148.9 92.7 132.7#

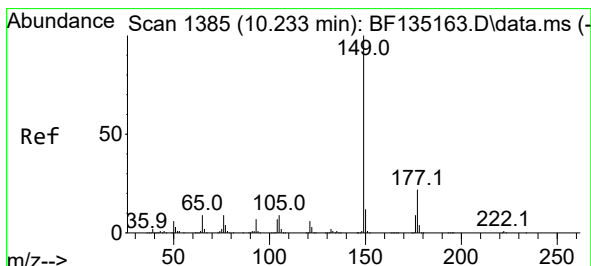
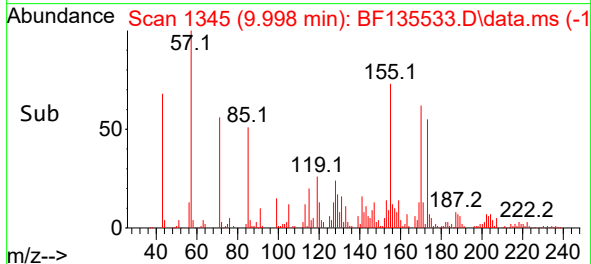
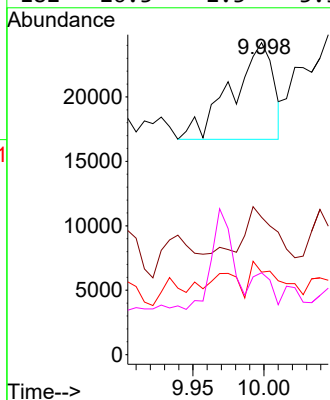
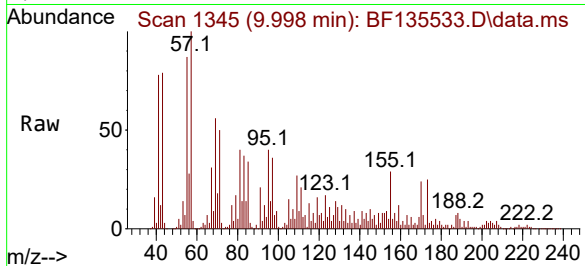




#57
2,4-Dinitrotoluene
Concen: 7.063 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.006 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

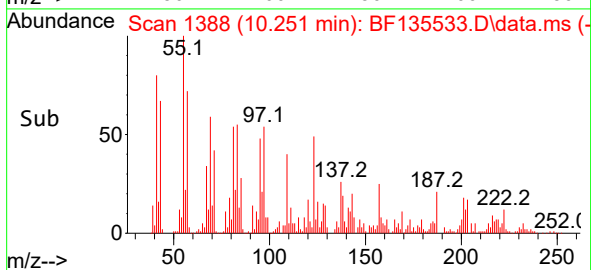
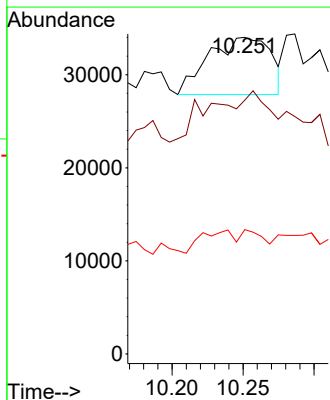
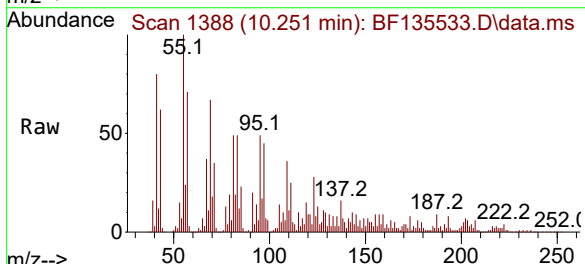
Instrument :
BNA_F
ClientSampleId :
RBR200045

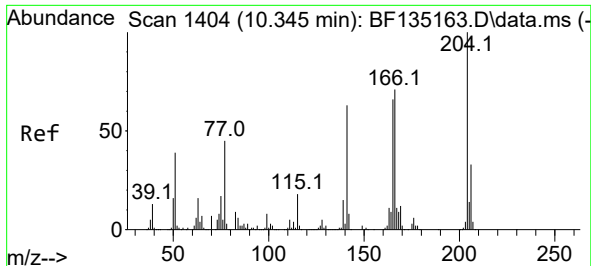
Tgt Ion:165 Resp: 15319
Ion Ratio Lower Upper
165 100
63 44.0 50.1 75.1#
89 26.4 59.3 88.9#
182 26.3 2.3 3.5#



#60
Diethylphthalate
Concen: 2.363 ng
RT: 10.251 min Scan# 1388
Delta R.T. 0.035 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:149 Resp: 18755
Ion Ratio Lower Upper
149 100
177 80.1 17.8 26.6#
150 39.3 10.0 15.0#

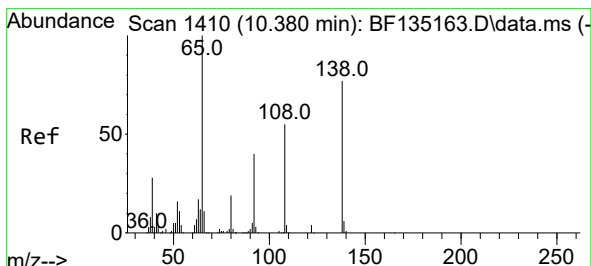
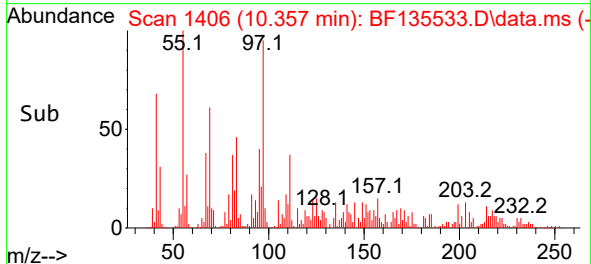
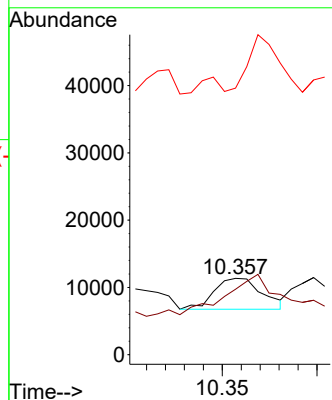
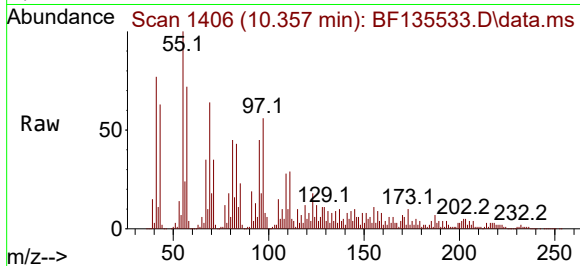




#61
4-Chlorophenyl-phenylether
Concen: 2.232 ng
RT: 10.357 min Scan# 1404
Delta R.T. 0.030 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

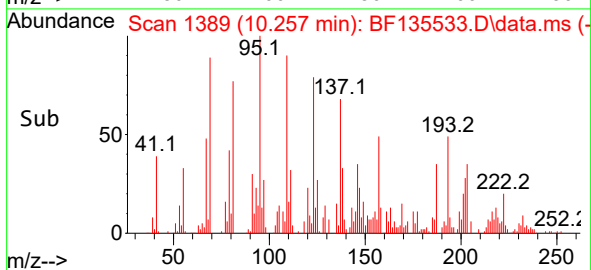
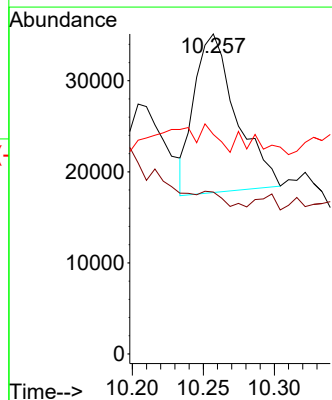
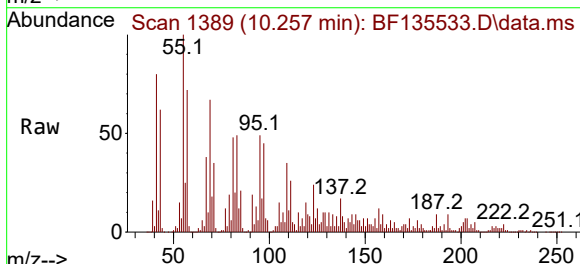
Instrument :
BNA_F
ClientSampleId :
RBR200045

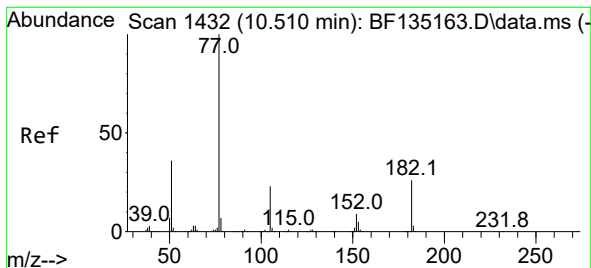
Tgt Ion:204 Resp: 8053
Ion Ratio Lower Upper
204 100
206 85.9 26.7 40.1#
141 349.6 50.6 75.8#



#62
4-Nitroaniline
Concen: 18.370 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.118 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:138 Resp: 35911
Ion Ratio Lower Upper
138 100
92 50.6 31.8 71.8
108 68.6 52.0 92.0





#63

Azobenzene

Concen: 3.358 ng

RT: 10.551 min Scan# 1432

Delta R.T. 0.059 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

RBR200045

Tgt Ion: 77 Resp: 26084

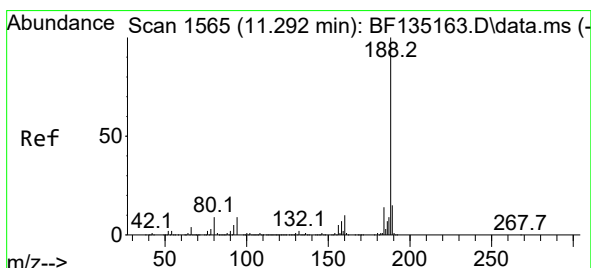
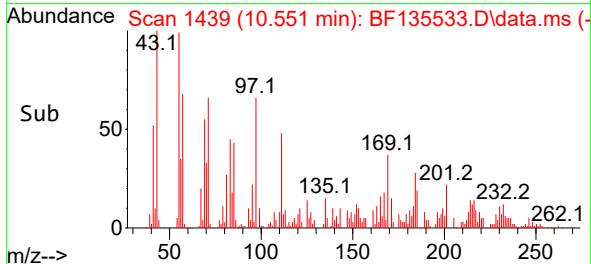
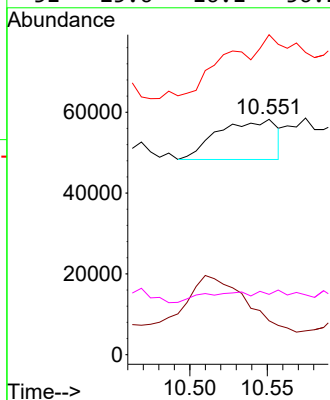
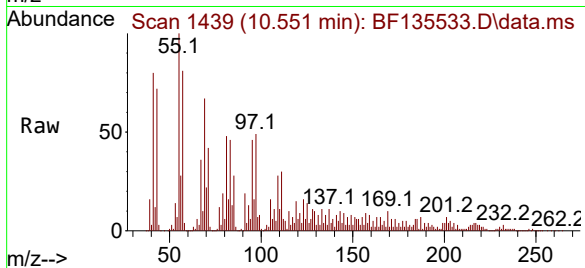
Ion Ratio Lower Upper

77 100

182 14.4 6.4 46.4

105 135.9 3.1 43.1#

51 25.6 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.077 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

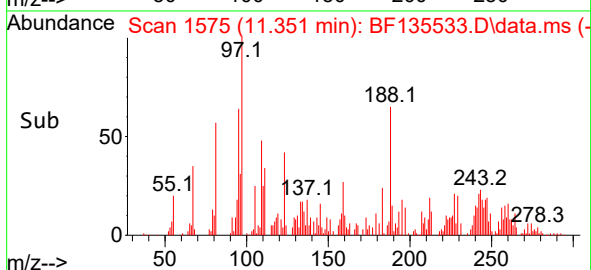
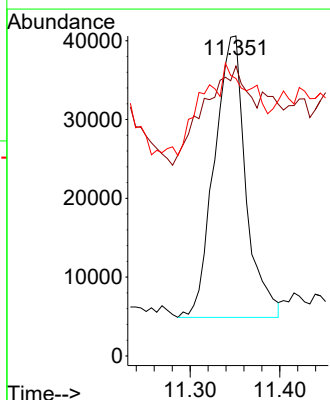
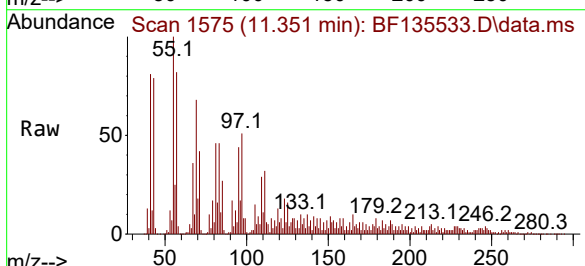
Tgt Ion: 188 Resp: 87149

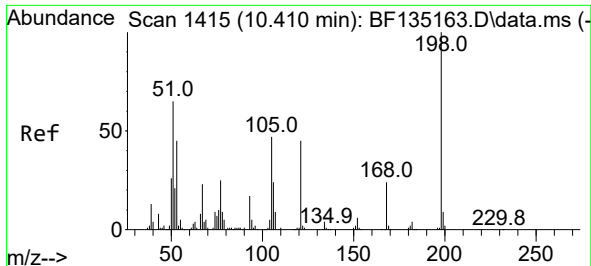
Ion Ratio Lower Upper

188 100

94 90.6 7.0 10.6#

80 86.7 7.5 11.3#

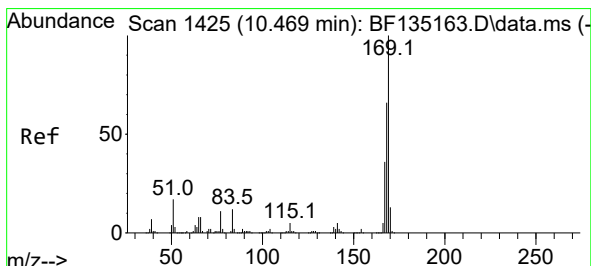
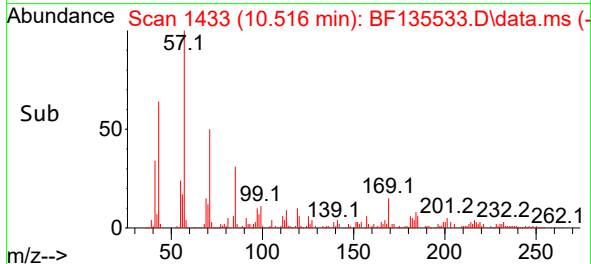
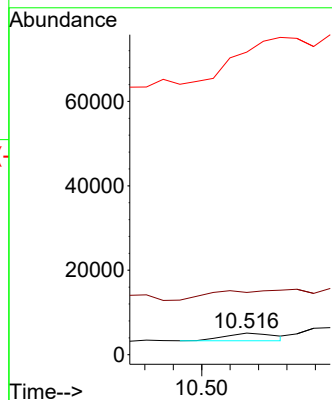
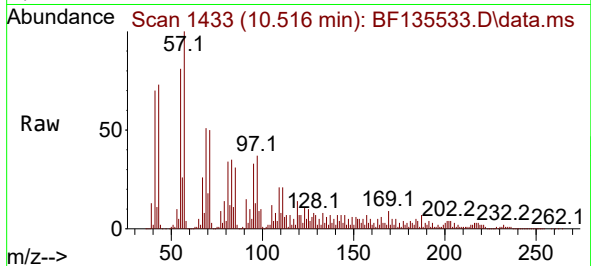




#65
4,6-Dinitro-2-methylphenol
Concen: 4.783 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.112 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

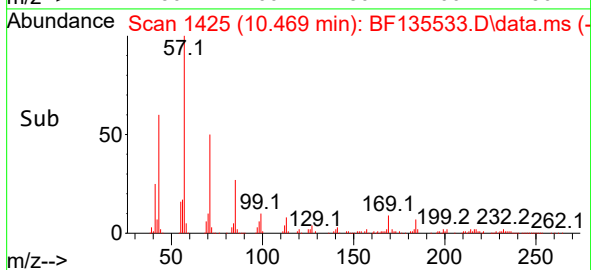
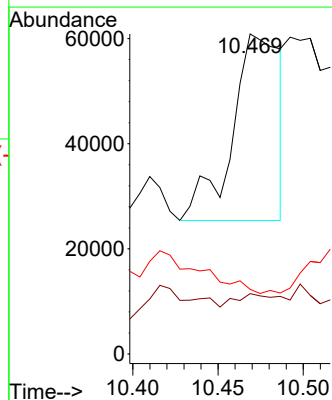
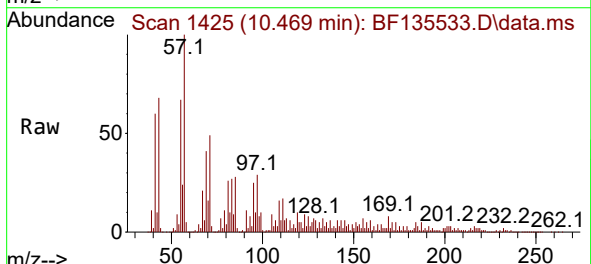
Instrument :
BNA_F
ClientSampleId :
RBR200045

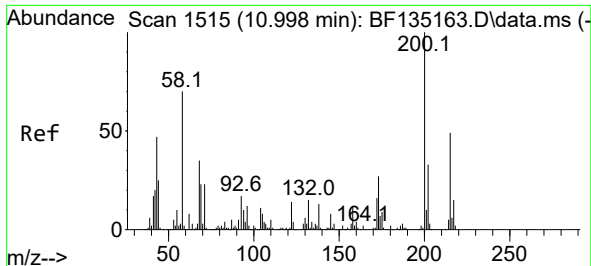
Tgt Ion:198 Resp: 2214
Ion Ratio Lower Upper
198 100
51 288.6 47.7 87.7#
105 1403.8 27.4 67.4#



#66
n-Nitrosodiphenylamine
Concen: 26.295 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.018 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:169 Resp: 69377
Ion Ratio Lower Upper
169 100
168 18.8 52.8 79.2#
167 20.2 29.0 43.6#

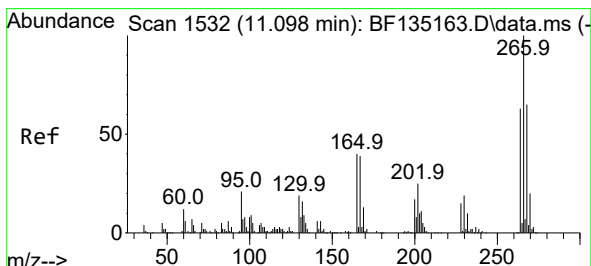
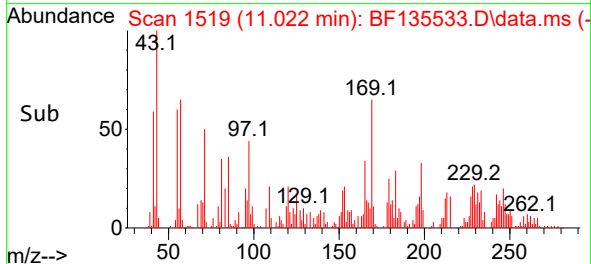
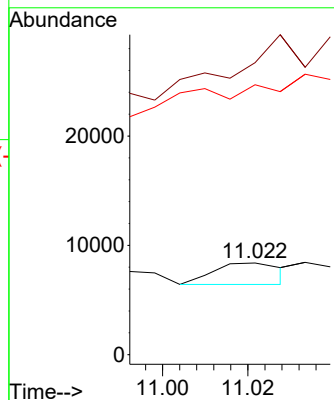
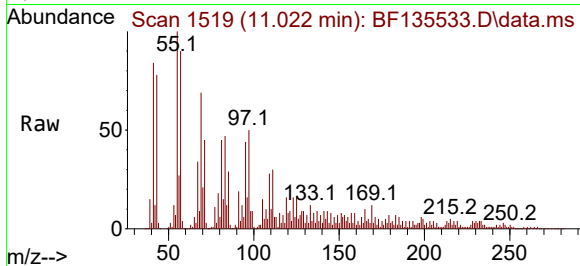




#69
 Atrazine
 Concen: 3.074 ng
 RT: 11.022 min Scan# 1
 Delta R.T. 0.035 min
 Lab File: BF135533.D
 Acq: 02 Oct 2023 18:14

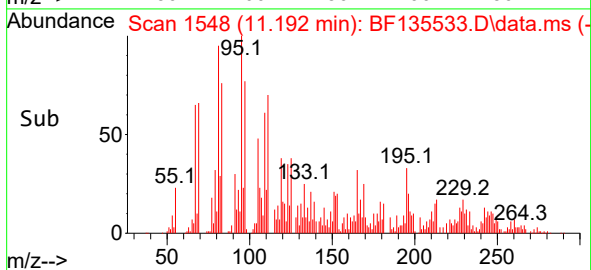
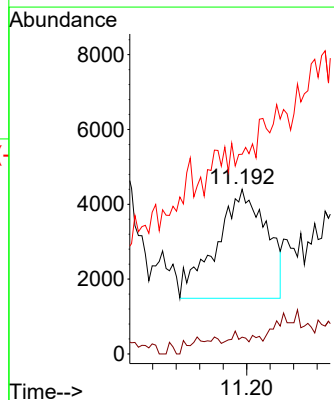
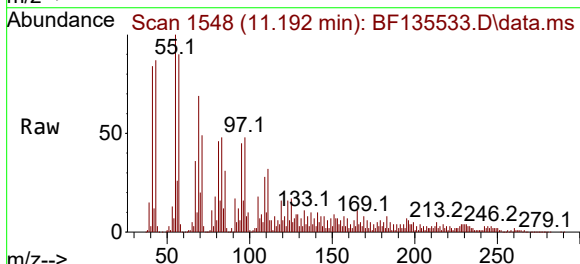
Instrument :
 BNA_F
 ClientSampleId :
 RBR200045

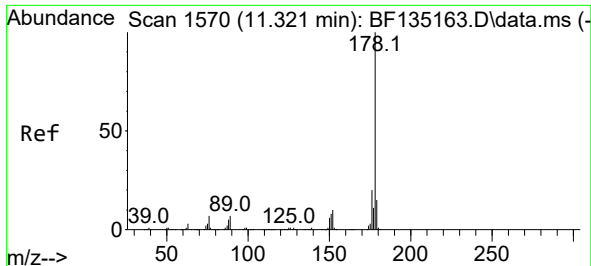
Tgt Ion:200 Resp: 2182
 Ion Ratio Lower Upper
 200 100
 173 318.6 7.4 47.4#
 215 294.5 28.6 68.6#



#70
 Pentachlorophenol
 Concen: 32.619 ng
 RT: 11.192 min Scan# 1548
 Delta R.T. 0.106 min
 Lab File: BF135533.D
 Acq: 02 Oct 2023 18:14

Tgt Ion:266 Resp: 17233
 Ion Ratio Lower Upper
 266 100
 268 10.2 52.1 78.1#
 264 121.2 50.8 76.2#

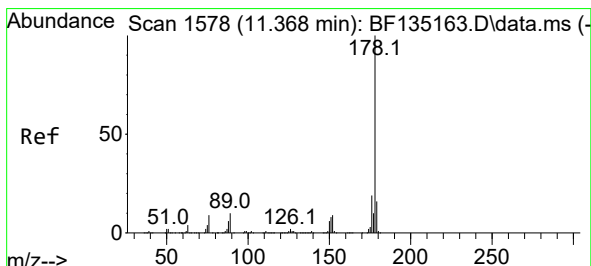
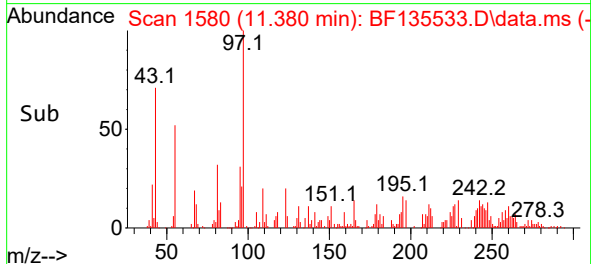
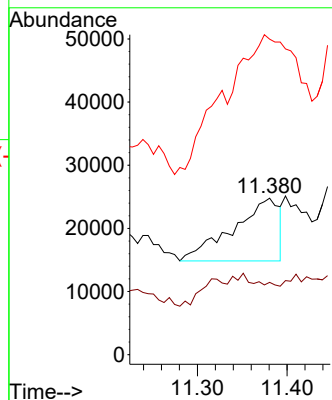
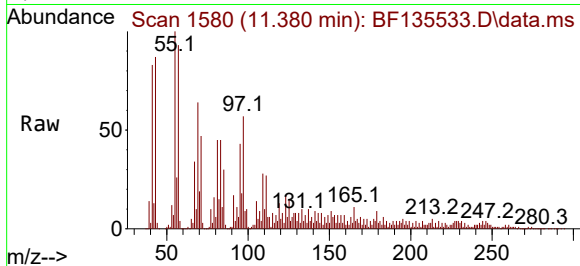




#71
Phenanthrene
Concen: 8.619 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.077 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

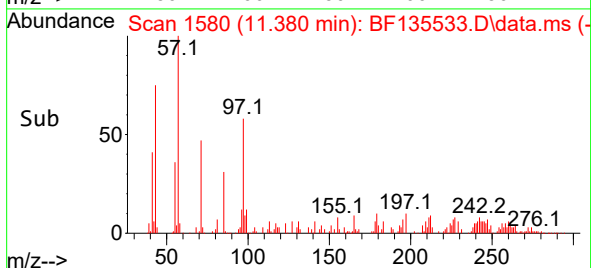
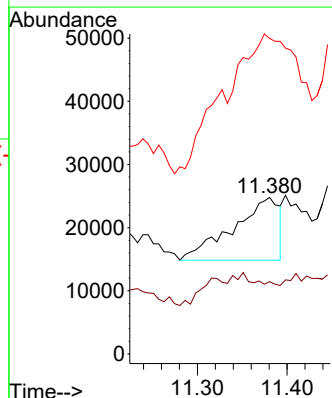
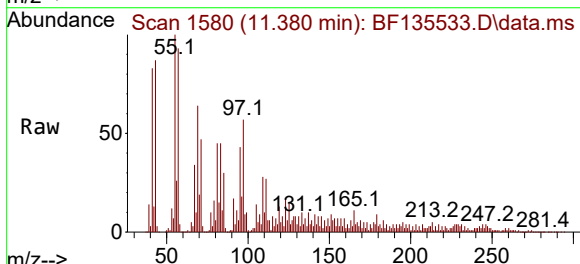
Instrument :
BNA_F
ClientSampleId :
RBR200045

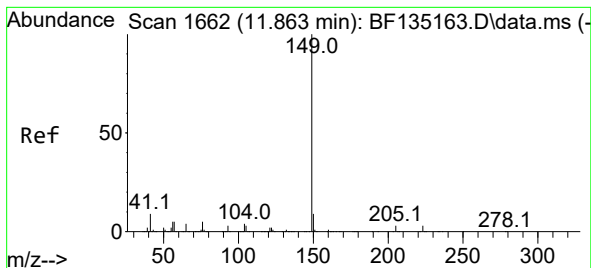
Tgt Ion:178 Resp: 35527
Ion Ratio Lower Upper
178 100
176 46.3 15.6 23.4#
179 201.7 12.0 18.0#



#72
Anthracene
Concen: 8.385 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.024 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:178 Resp: 35527
Ion Ratio Lower Upper
178 100
176 46.3 15.4 23.2#
179 201.7 12.6 19.0#





#74

Di-n-butylphthalate

Concen: 11.231 ng

RT: 11.922 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

RBR200045

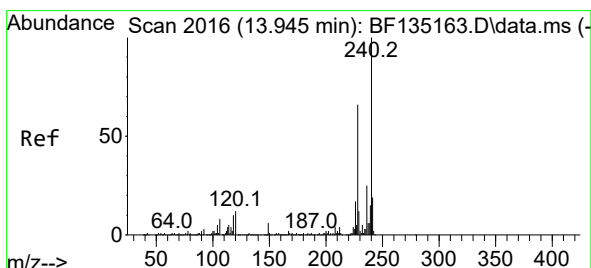
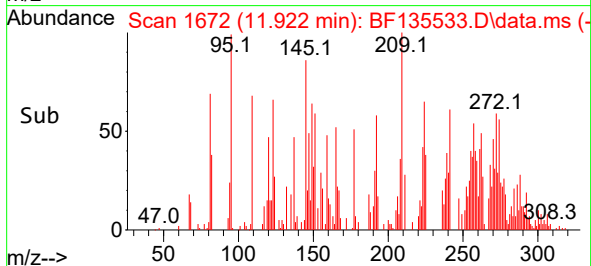
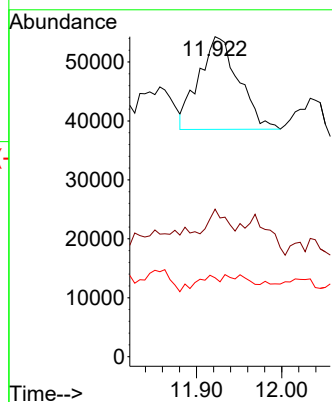
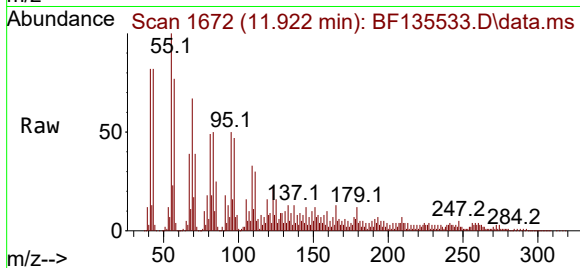
Tgt Ion:149 Resp: 51039

Ion Ratio Lower Upper

149 100

150 46.1 7.4 11.0#

104 24.6 3.6 5.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.035 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

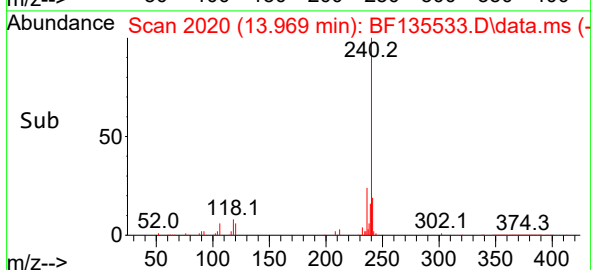
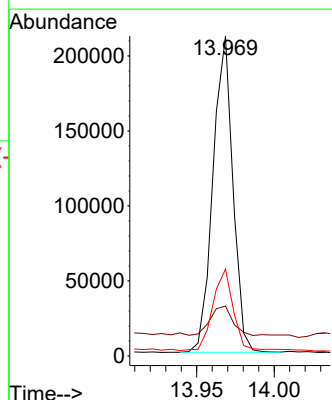
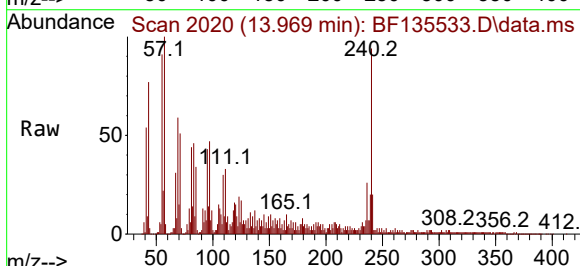
Tgt Ion:240 Resp: 188222

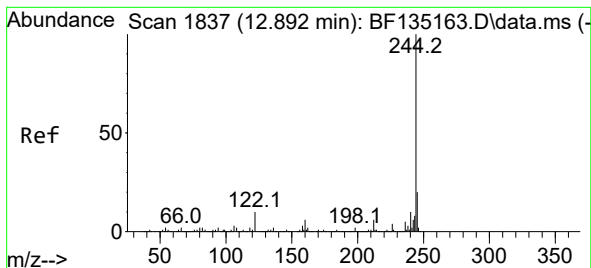
Ion Ratio Lower Upper

240 100

120 15.6 9.4 14.2#

236 27.2 19.8 29.8





#79

Terphenyl-d14

Concen: 19.202 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.071 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

RBR200045

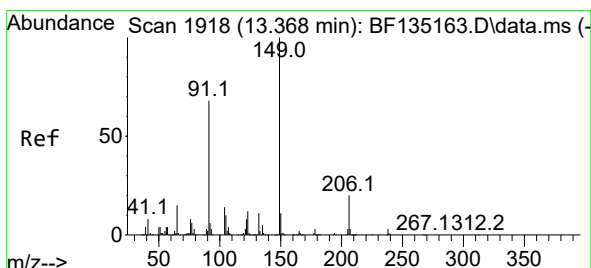
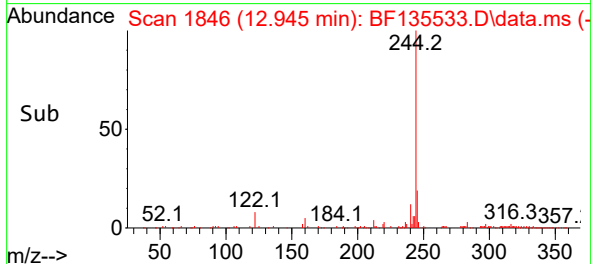
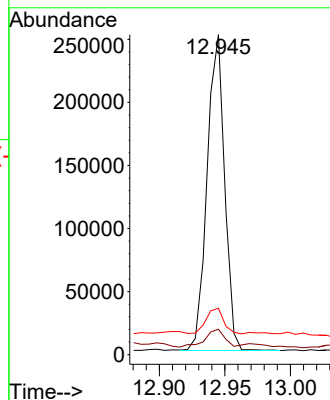
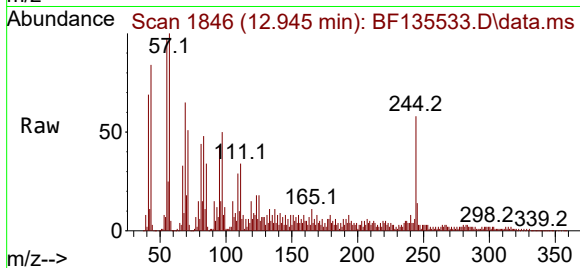
Tgt Ion:244 Resp: 233147

Ion Ratio Lower Upper

244 100

212 8.0 5.1 7.7#

122 14.5 7.9 11.9#



#80

Butylbenzylphthalate

Concen: 2.192 ng

RT: 13.422 min Scan# 1927

Delta R.T. 0.071 min

Lab File: BF135533.D

Acq: 02 Oct 2023 18:14

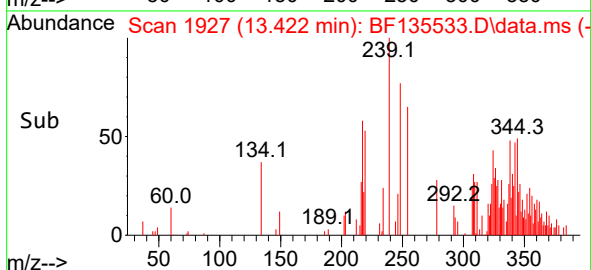
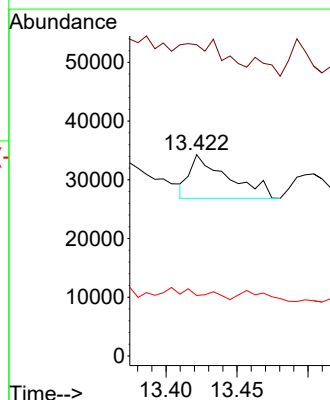
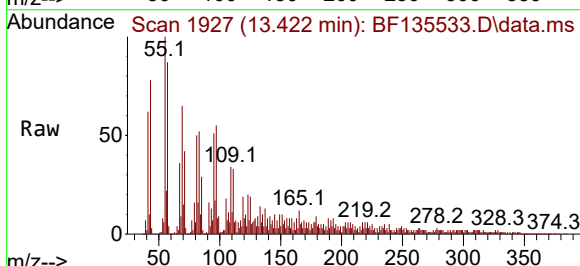
Tgt Ion:149 Resp: 13829

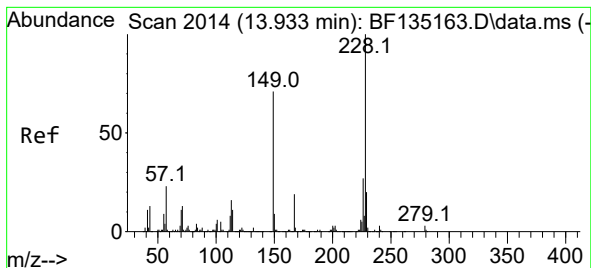
Ion Ratio Lower Upper

149 100

91 154.7 54.7 82.1#

206 30.1 16.3 24.5#

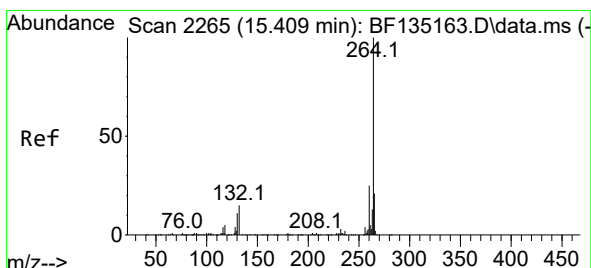
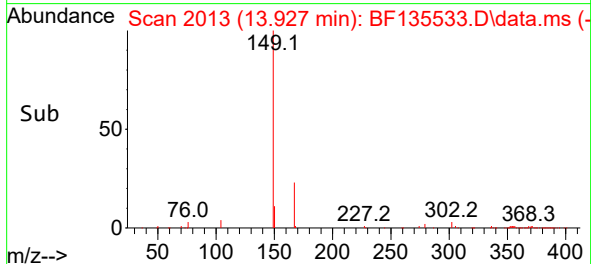
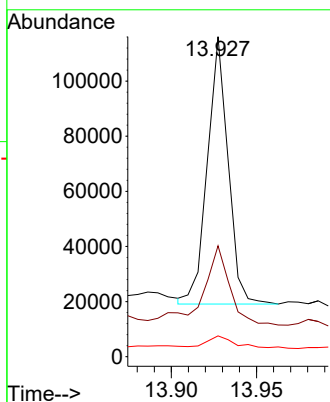
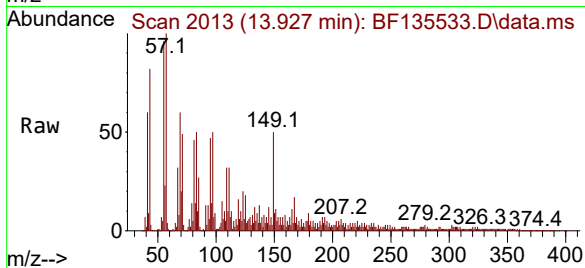




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.640 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.018 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Instrument :
BNA_F
ClientSampleId :
RBR200045

Tgt Ion:149 Resp: 81839
Ion Ratio Lower Upper
149 100
167 34.7 21.9 32.9#
279 6.5 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.018 min
Lab File: BF135533.D
Acq: 02 Oct 2023 18:14

Tgt Ion:264 Resp: 314576
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.6
265 22.5 17.0 25.4

