

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135731.D
 Acq On : 12 Oct 2023 13:20
 Operator : CG\JU
 Sample : 04685-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Time: Oct 13 00:55:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

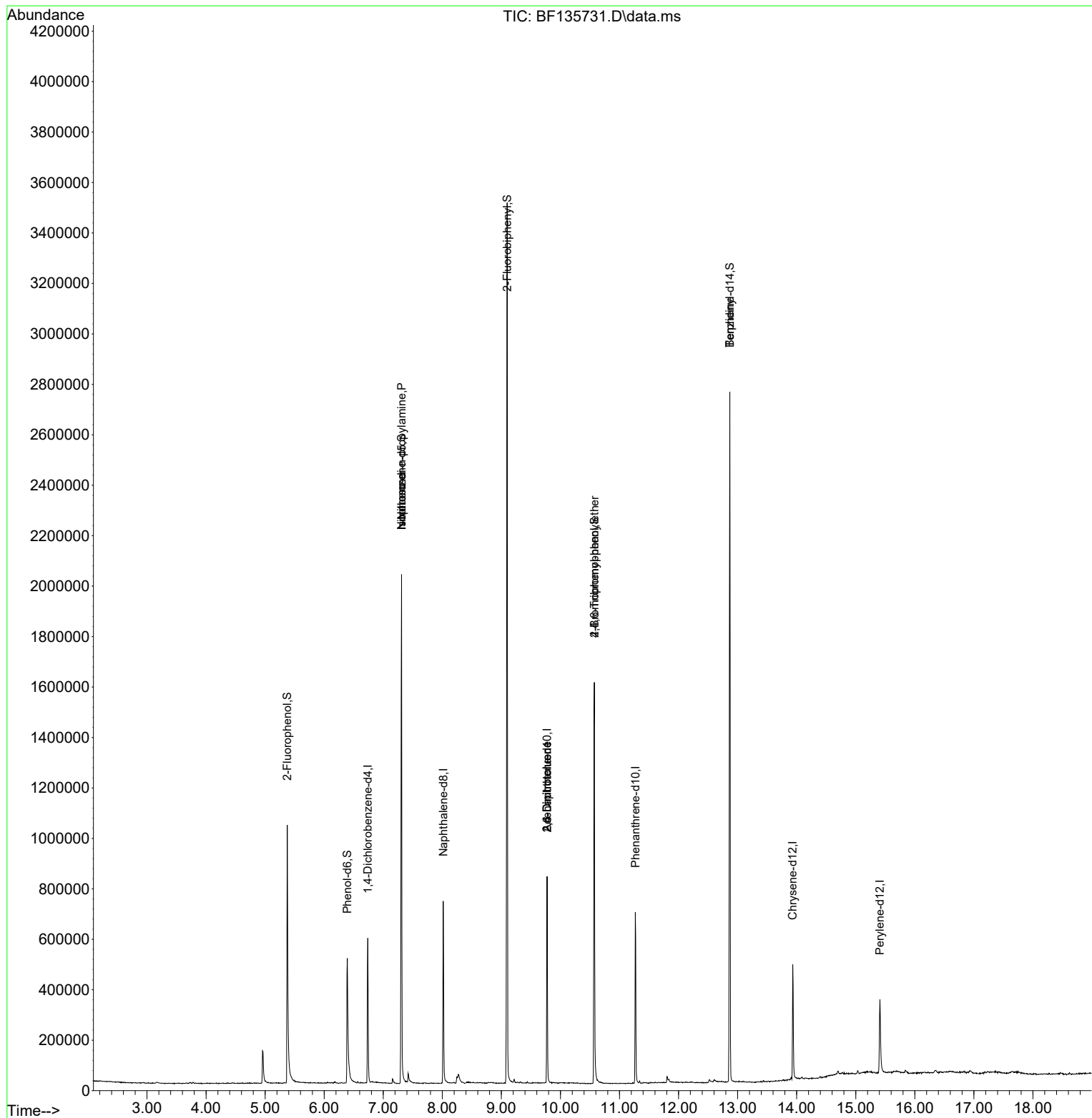
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	88286	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	320559	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	158965	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	269583	20.000	ng	0.00
76) Chrysene-d12	13.933	240	166704	20.000	ng	0.00
86) Perylene-d12	15.410	264	157263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	328997	60.609	ng	0.00
7) Phenol-d6	6.392	99	236940	34.328	ng	0.00
23) Nitrobenzene-d5	7.310	82	613562	103.989	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	203501	128.820	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1101269	104.520	ng	0.00
79) Terphenyl-d14	12.868	244	1015793	94.459	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	82478	19.292	ng	# 78
25) Isophorone	7.310	82	613562	56.631	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	20526	8.718	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	20526	6.964	ng	# 19
67) 4-Bromophenyl-phenylether	10.575	248	12607	4.702	ng	# 1
77) Benzidine	12.868	184	12770	3.739	ng	# 93

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

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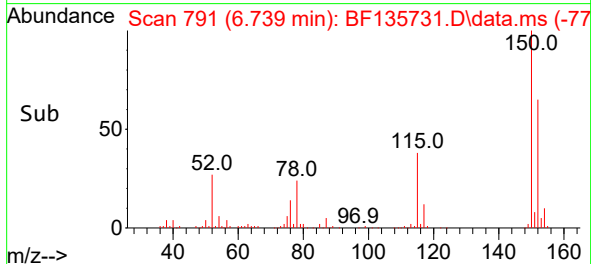
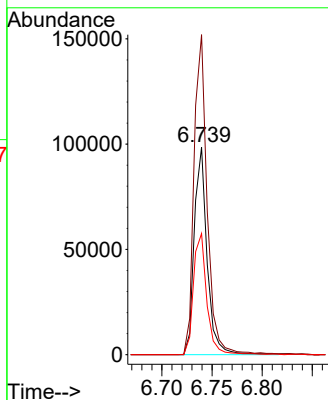
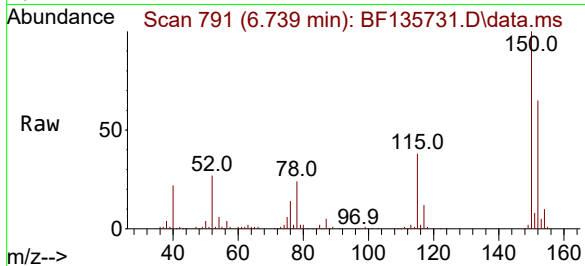




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

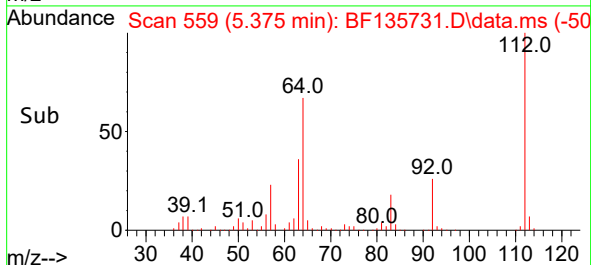
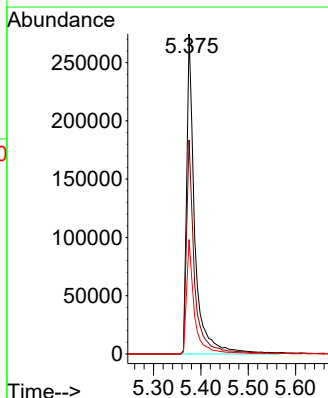
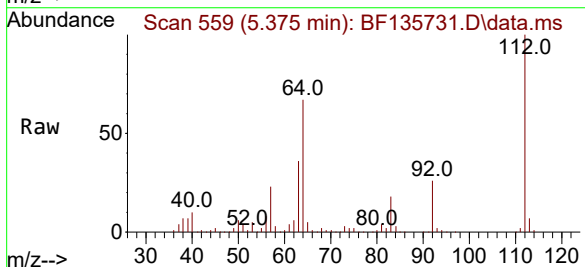
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BNA_F
ClientSampleId :
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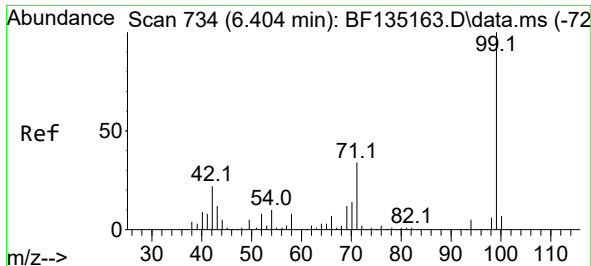
Tgt Ion:152 Resp: 88286
Ion Ratio Lower Upper
152 100
150 154.2 127.8 191.6
115 58.4 49.8 74.8



#5
2-Fluorophenol
Concen: 60.609 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

Tgt Ion:112 Resp: 328997
Ion Ratio Lower Upper
112 100
64 66.9 55.9 83.9
63 35.8 29.0 43.6

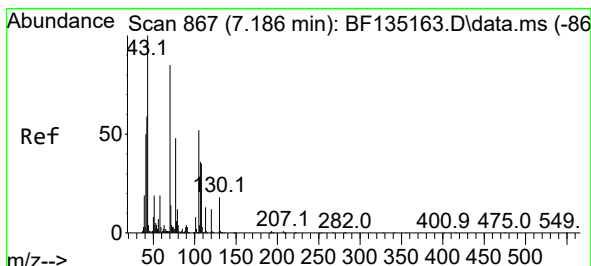
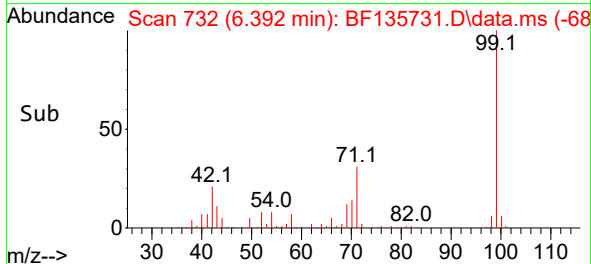
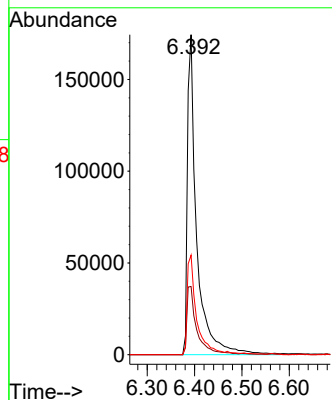
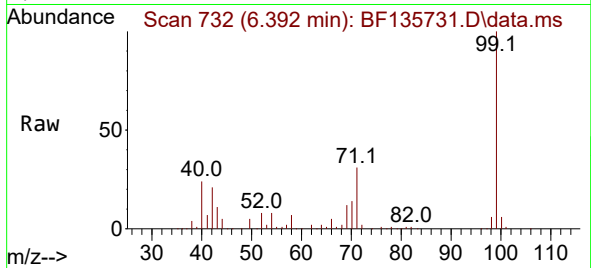




#7
Phenol-d6
Concen: 34.328 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

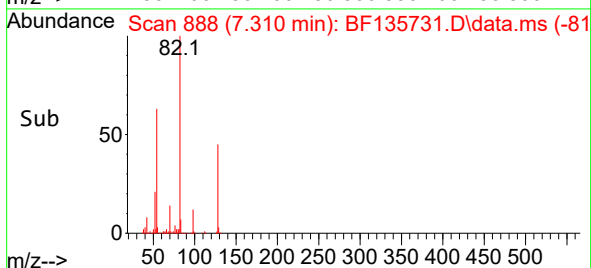
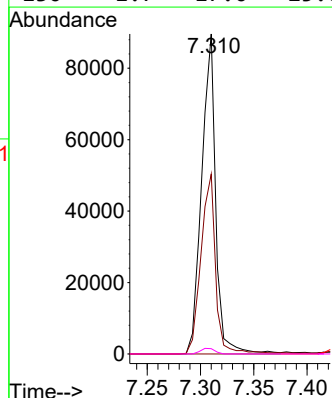
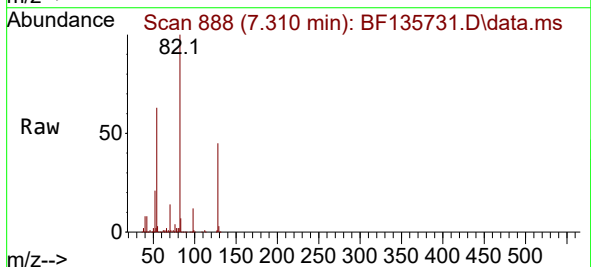
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ClientSampleId :
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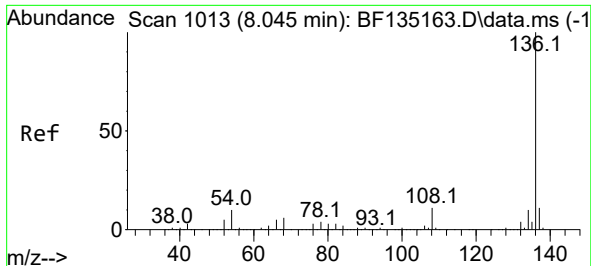
Tgt Ion: 99 Resp: 236940
Ion Ratio Lower Upper
99 100
42 21.3 17.9 26.9
71 31.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.292 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

Tgt Ion: 70 Resp: 82478
Ion Ratio Lower Upper
70 100
42 56.2 55.4 83.0
101 0.0 7.7 11.5#
130 1.7 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

Instrument :

BNA_F

ClientSampleId :

FIELD-BLANK

Tgt Ion:136 Resp: 320559

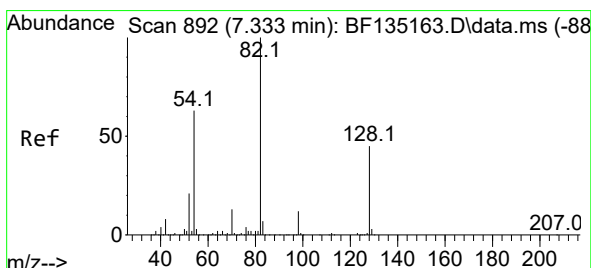
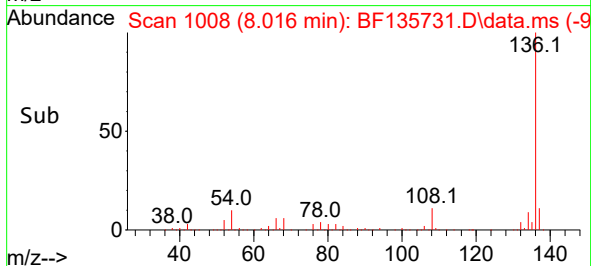
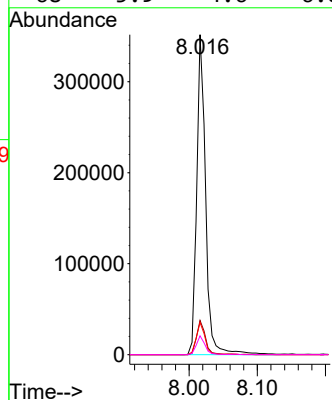
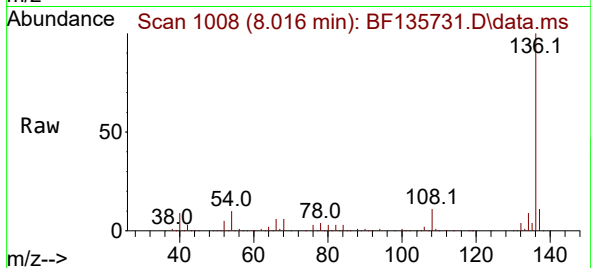
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.1 7.7 11.5

68 5.9 4.6 6.8



#23

Nitrobenzene-d5

Concen: 103.989 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.000 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

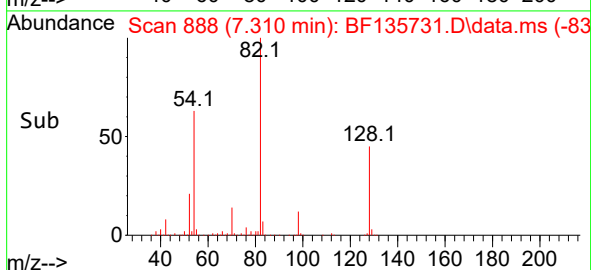
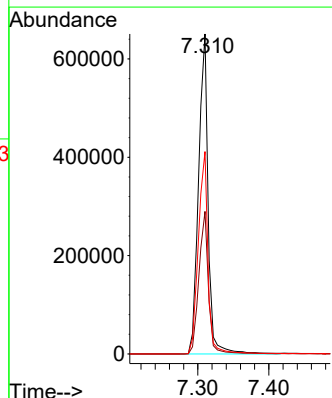
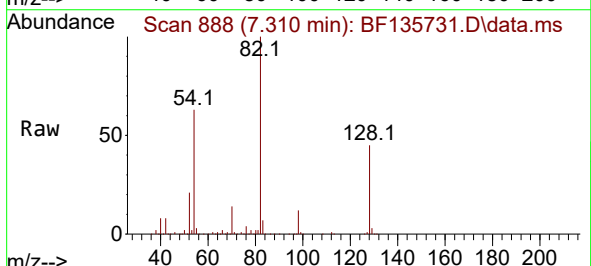
Tgt Ion: 82 Resp: 613562

Ion Ratio Lower Upper

82 100

128 44.6 35.8 53.6

54 63.3 50.6 76.0

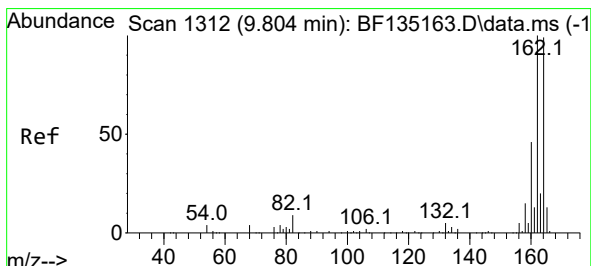
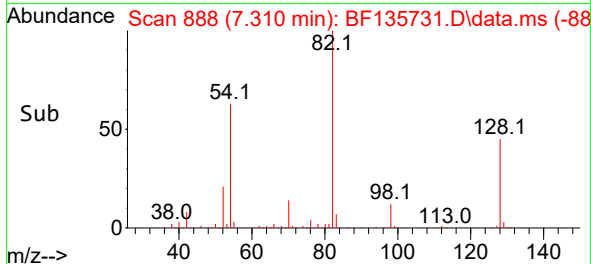
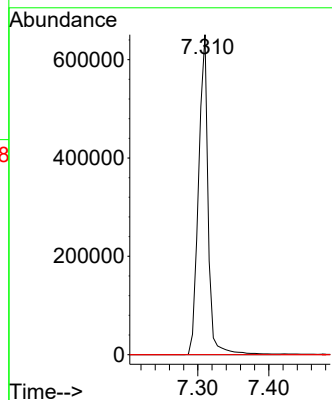
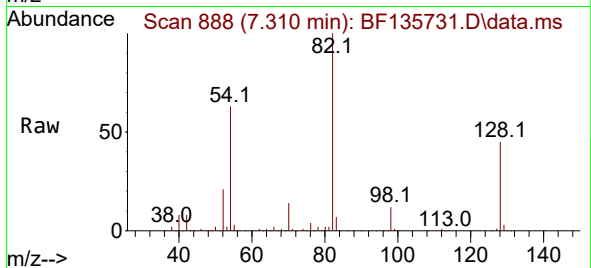




#25
Isophorone
Concen: 56.631 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

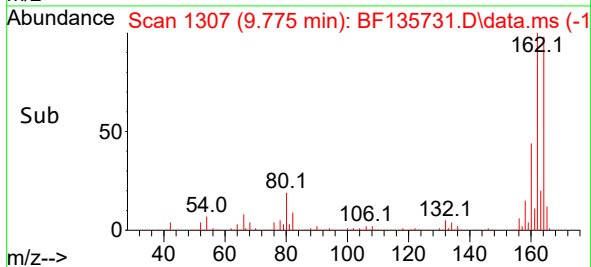
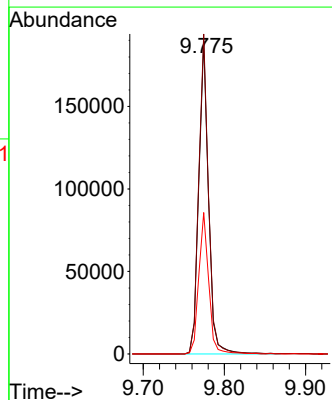
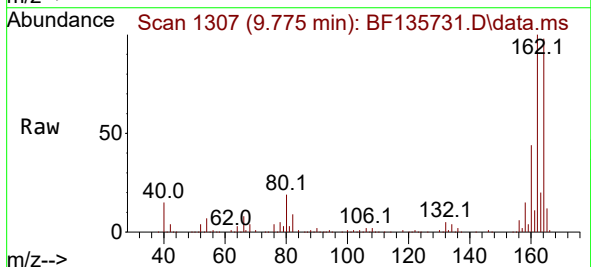
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ClientSampleId :
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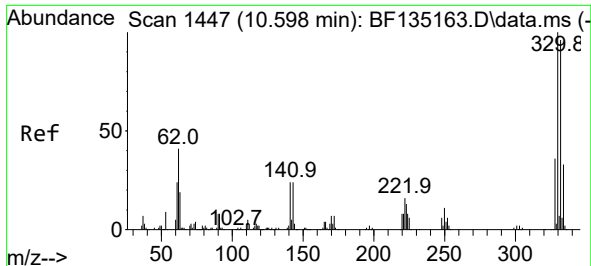
Tgt Ion: 82 Resp: 613562
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

Tgt Ion:164 Resp: 158965
Ion Ratio Lower Upper
164 100
162 102.2 81.0 121.4
160 45.1 37.0 55.4

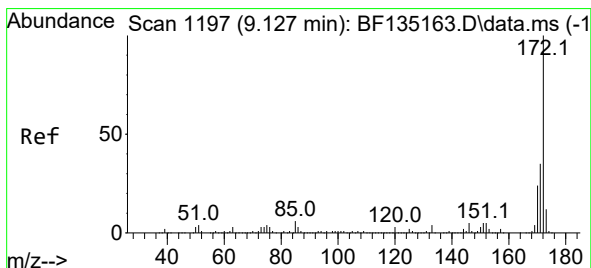
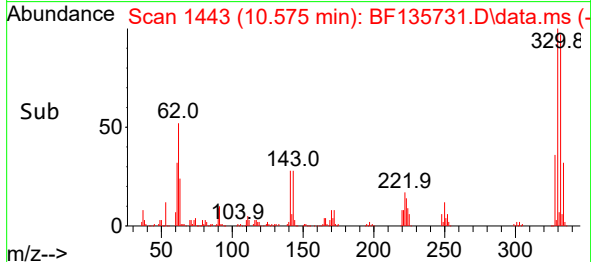
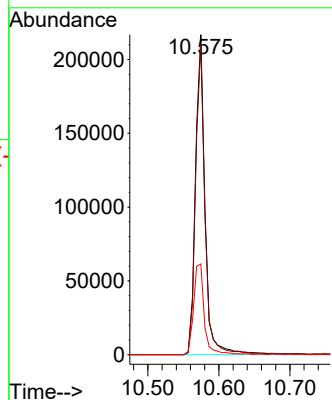
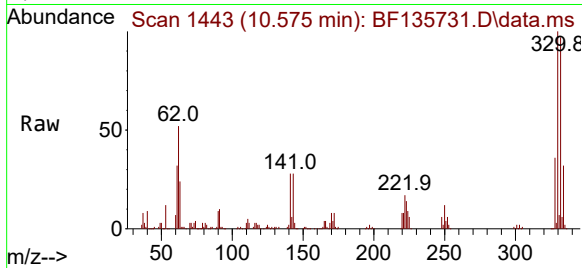




#42
2,4,6-Tribromophenol
Concen: 128.820 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

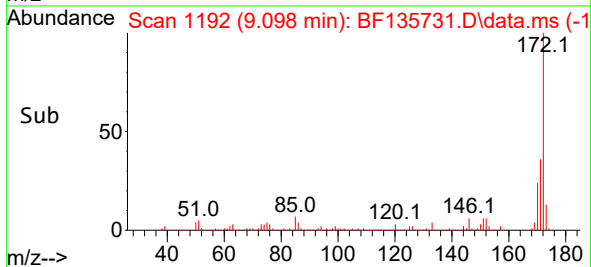
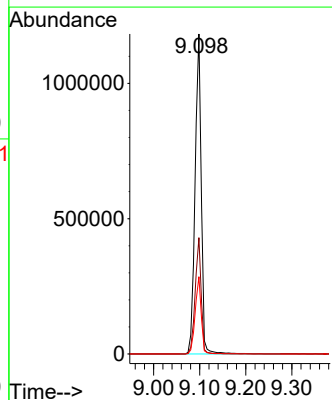
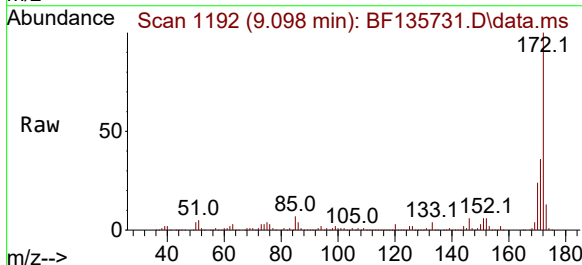
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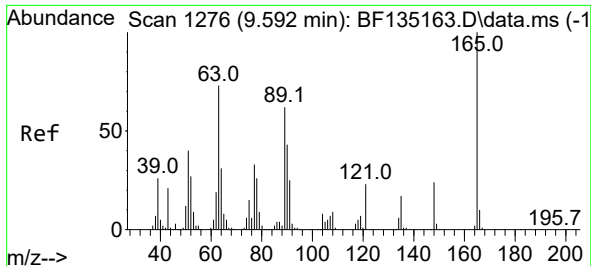
Tgt Ion:330 Resp: 203501
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 31.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 104.520 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF135731.D
Acq: 12 Oct 2023 13:20

Tgt Ion:172 Resp: 1101269
Ion Ratio Lower Upper
172 100
171 36.4 28.4 42.6
170 24.2 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.718 ng

RT: 9.775 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

Instrument :

BNA_F

ClientSampleId :

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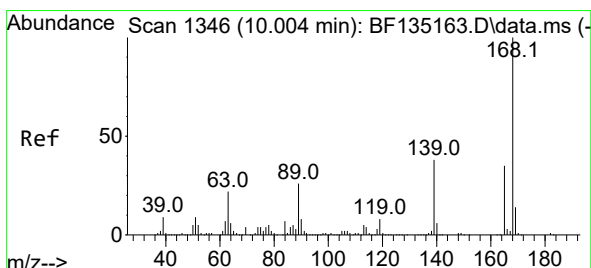
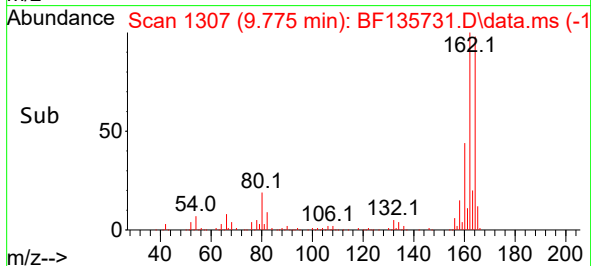
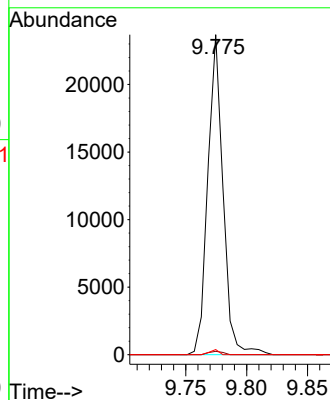
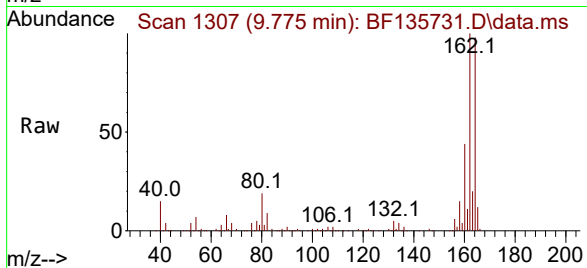
Tgt Ion:165 Resp: 20526

Ion Ratio Lower Upper

165 100

63 1.1 59.4 89.2#

89 1.6 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.964 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.218 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

Tgt Ion:165 Resp: 20526

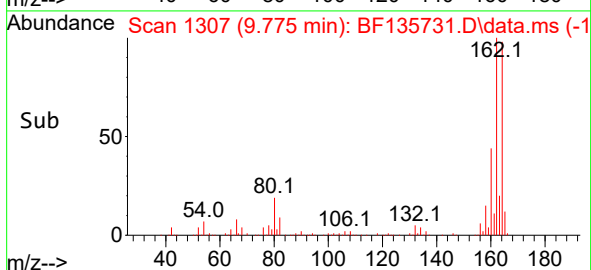
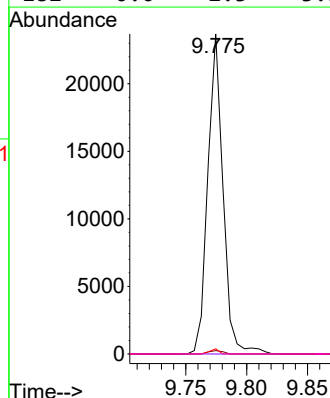
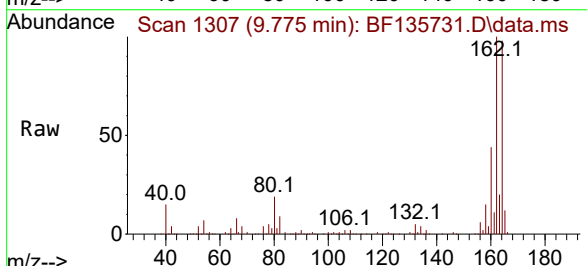
Ion Ratio Lower Upper

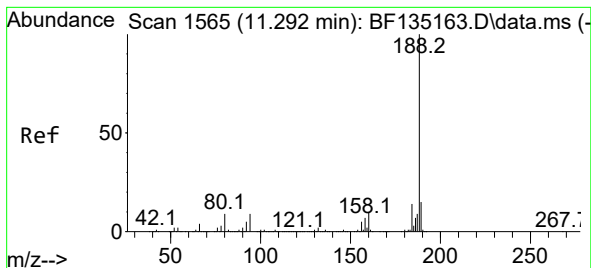
165 100

63 1.1 50.1 75.1#

89 1.6 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

Instrument :

BNA_F

ClientSampleId :

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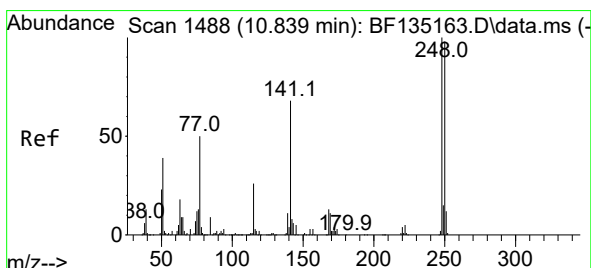
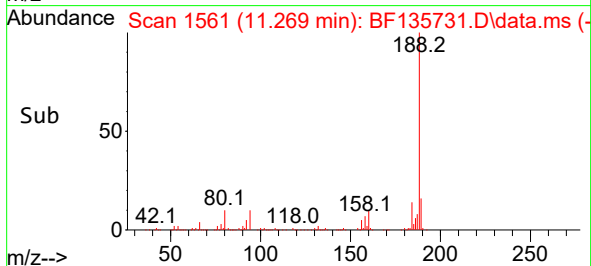
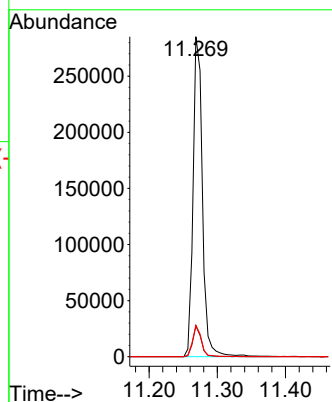
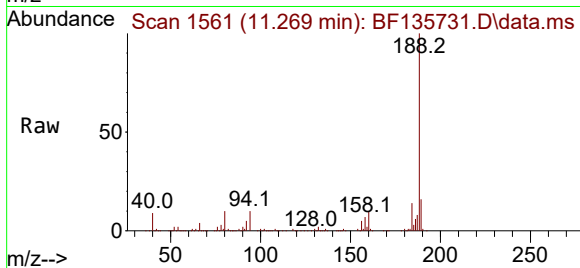
Tgt Ion:188 Resp: 269583

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 9.8 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.702 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

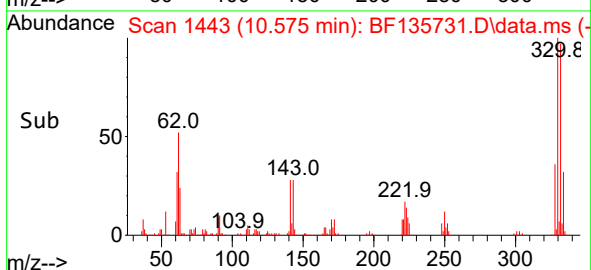
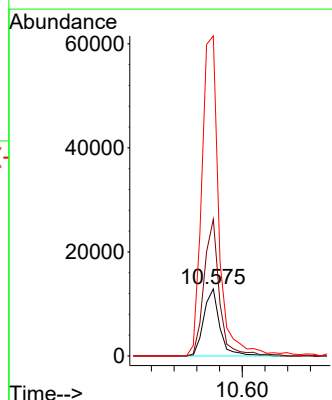
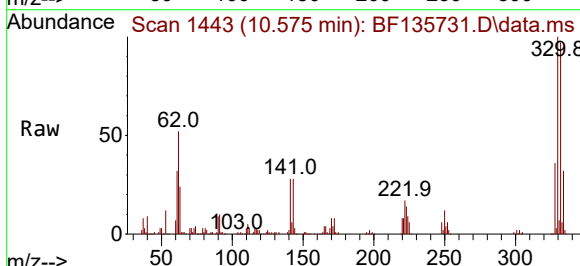
Tgt Ion:248 Resp: 12607

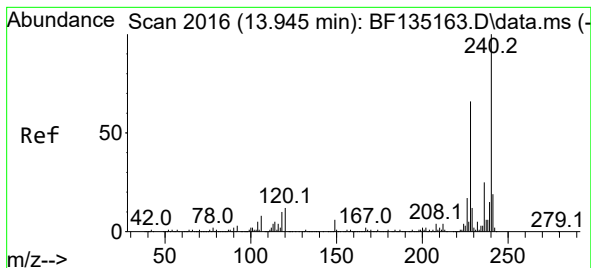
Ion Ratio Lower Upper

248 100

250 203.9 78.6 117.8#

141 477.3 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

Instrument :

BNA_F

ClientSampleId :

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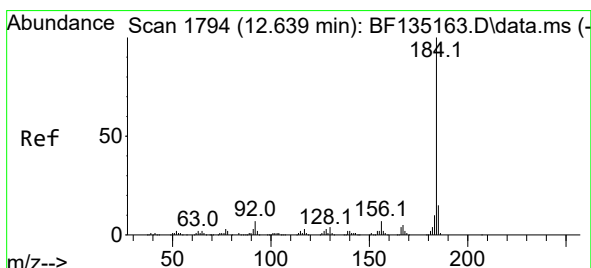
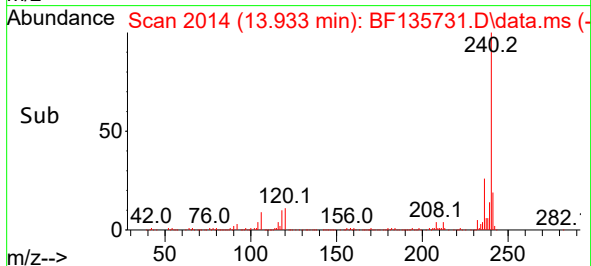
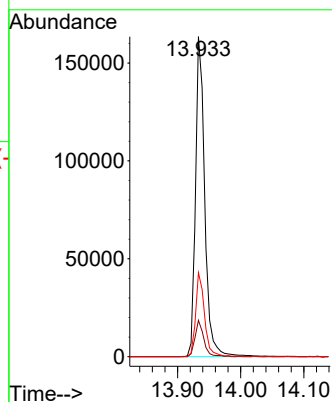
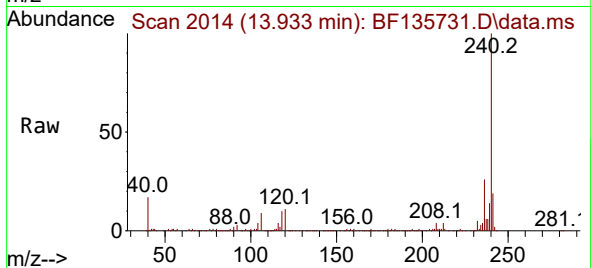
Tgt Ion:240 Resp: 166704

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 26.2 19.8 29.8



#77

Benzidine

Concen: 3.739 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.241 min

Lab File: BF135731.D

Acq: 12 Oct 2023 13:20

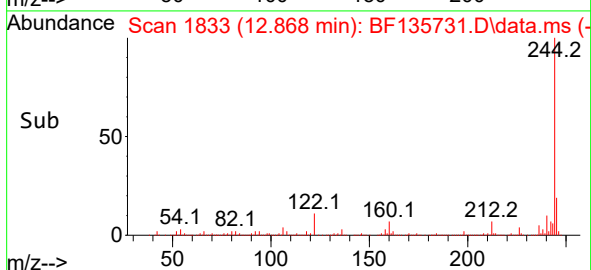
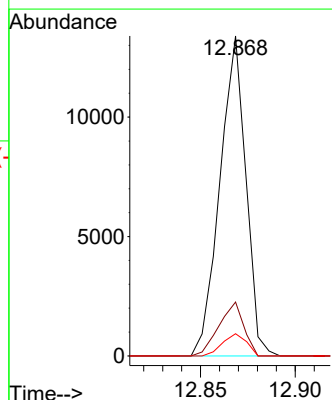
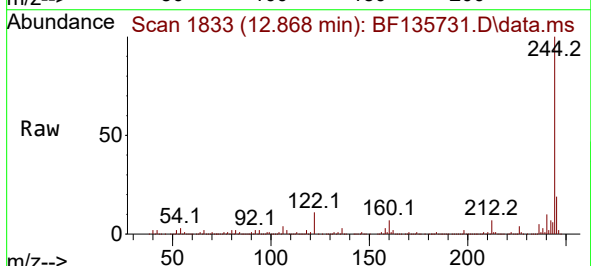
Tgt Ion:184 Resp: 12770

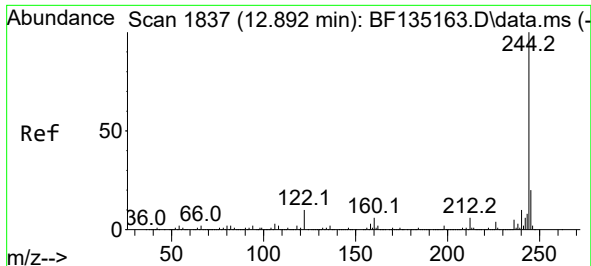
Ion Ratio Lower Upper

184 100

185 16.8 11.7 17.5

183 7.0 8.2 12.4#

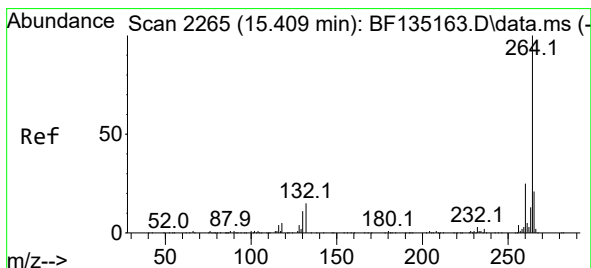
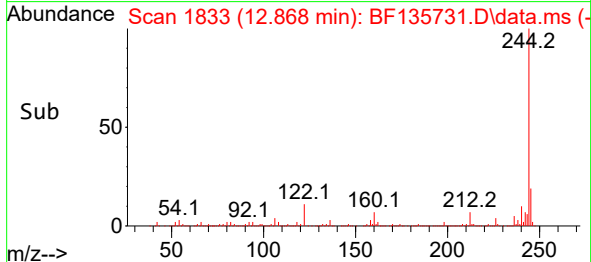
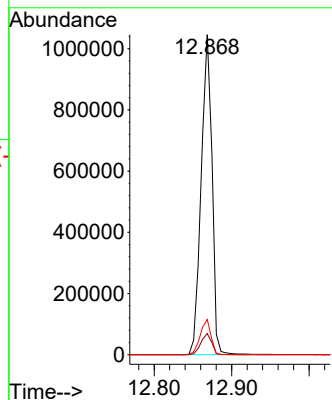
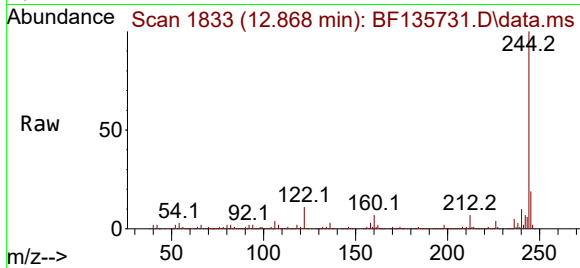




#79
 Terphenyl-d14
 Concen: 94.459 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.000 min
 Lab File: BF135731.D
 Acq: 12 Oct 2023 13:20

Instrument :
 BNA_F
 ClientSampleId :
 FIELD-BLANK

Tgt Ion:244 Resp: 1015793
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.0 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. 0.006 min
 Lab File: BF135731.D
 Acq: 12 Oct 2023 13:20

Tgt Ion:264 Resp: 157263
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.8 29.6
 265 20.4 17.0 25.4

