

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102823\
 Data File : BF136007.D
 Acq On : 28 Oct 2023 16:05
 Operator : CG\JU
 Sample : 04938-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0-3(5-10)

Quant Time: Oct 30 00:26:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

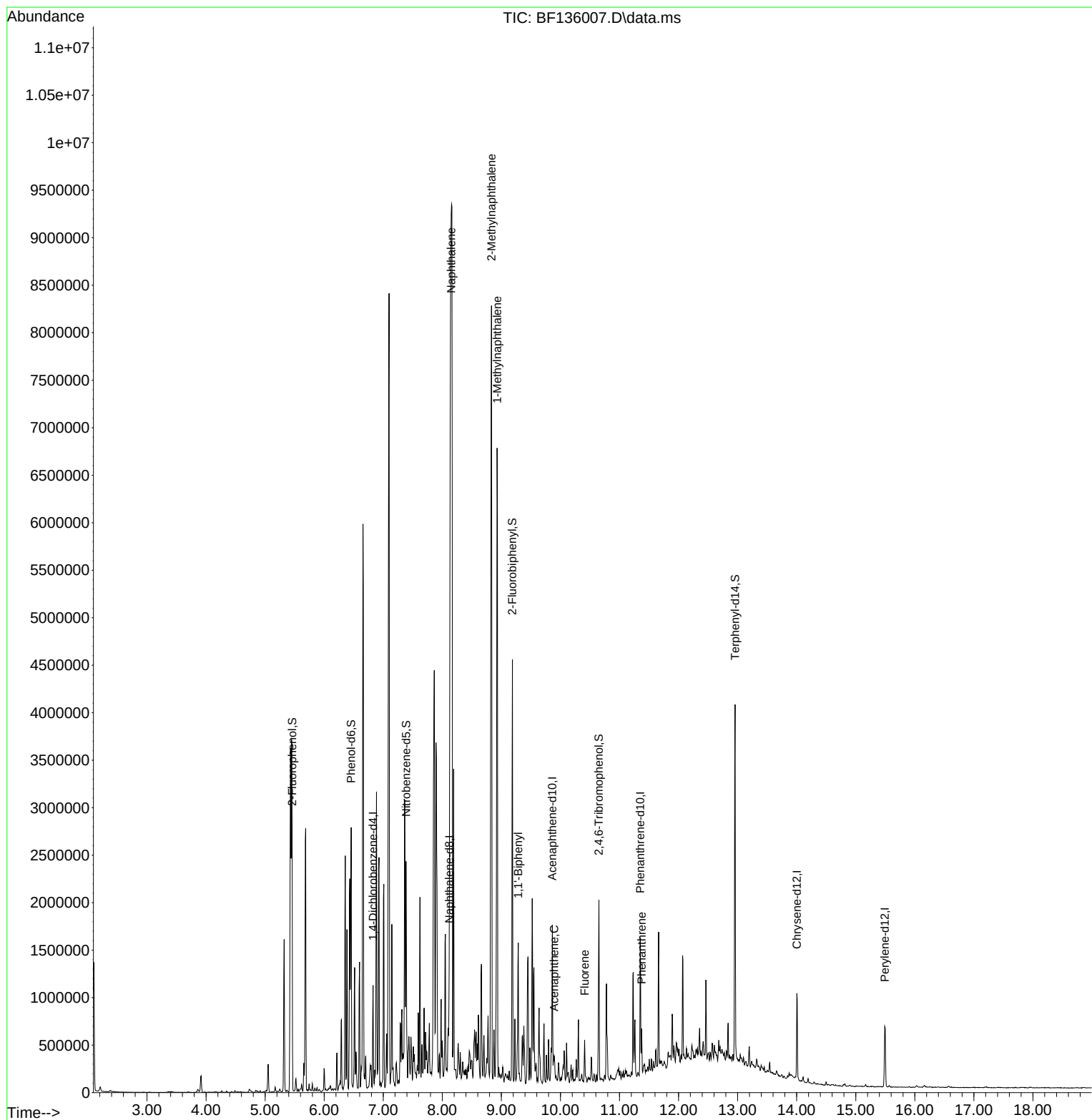
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	142381	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	496118	20.000	ng	0.01
39) Acenaphthene-d10	9.863	164	286611	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	522451	20.000	ng	0.00
76) Chrysene-d12	14.004	240	314424	20.000	ng	0.00
86) Perylene-d12	15.492	264	305547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	747306	81.048	ng	0.00
7) Phenol-d6	6.457	99	1048216	91.314	ng	0.00
23) Nitrobenzene-d5	7.387	82	656725	85.426	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	211469	84.294	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1214512	67.853	ng	0.00
79) Terphenyl-d14	12.957	244	1307980	69.503	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.151	128	10507820	438.079	ng	96
37) 2-Methylnaphthalene	8.834	142	2851866	179.701	ng	99
38) 1-Methylnaphthalene	8.928	142	2018946	136.148	ng	100
46) 1,1'-Biphenyl	9.286	154	410044	18.881	ng	99
52) Acenaphthene	9.892	154	41249	2.540	ng	98
58) Fluorene	10.410	166	98702	5.623	ng	97
71) Phenanthrene	11.375	178	141562	5.356	ng	99

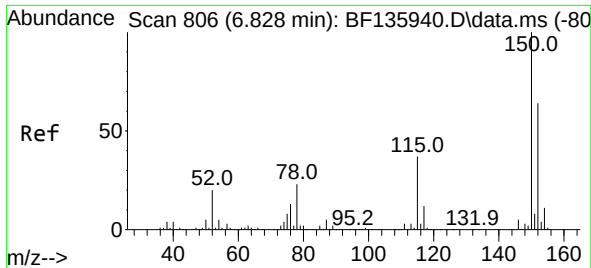
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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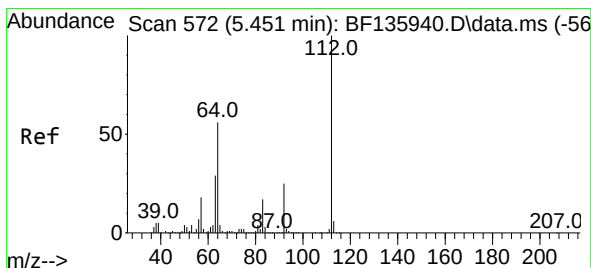
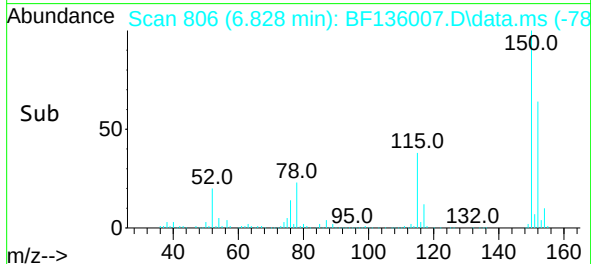
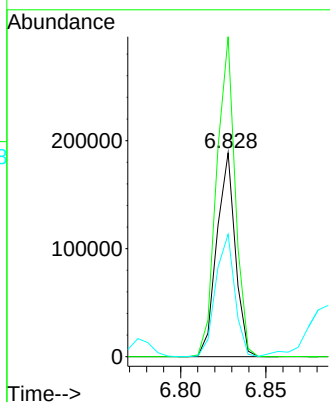
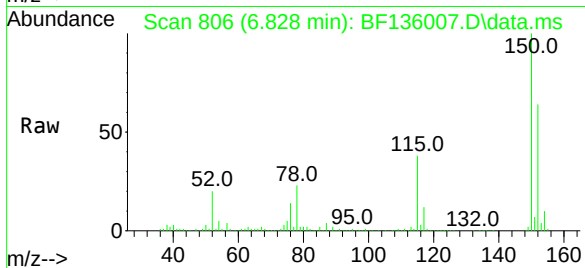




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF136007.D
 Acq: 28 Oct 2023 16:05

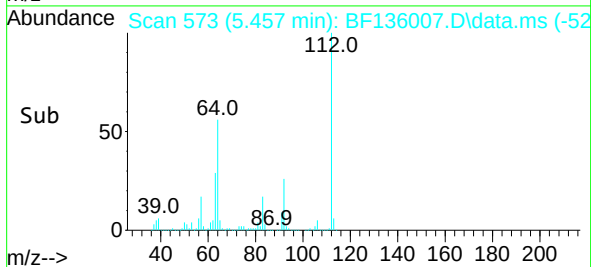
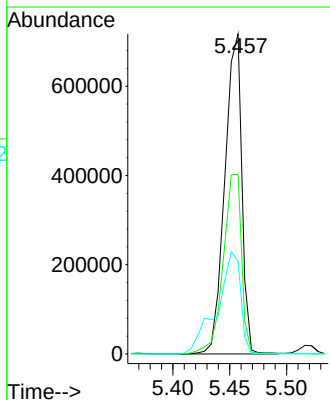
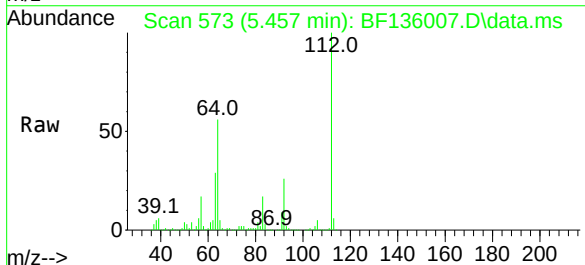
Instrument :
 BNA_F
 ClientSampleId :
 0-3(5-10)

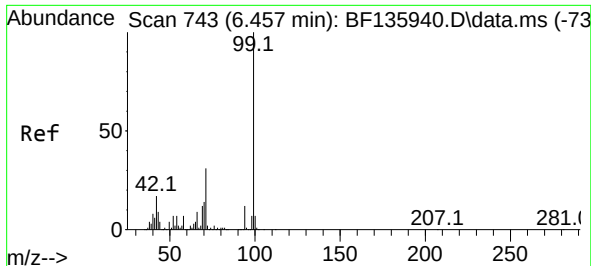
Tgt Ion:152 Resp: 142381
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 60.0 46.6 69.8



#5
 2-Fluorophenol
 Concen: 81.048 ng
 RT: 5.457 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF136007.D
 Acq: 28 Oct 2023 16:05

Tgt Ion:112 Resp: 747306
 Ion Ratio Lower Upper
 112 100
 64 56.2 45.1 67.7
 63 29.0 23.0 34.4

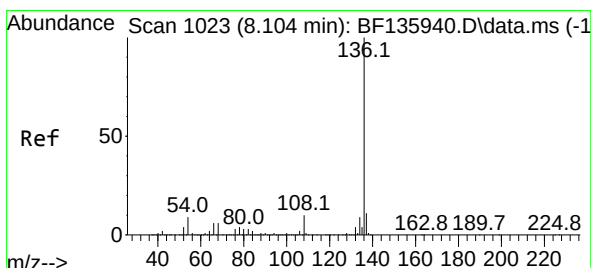
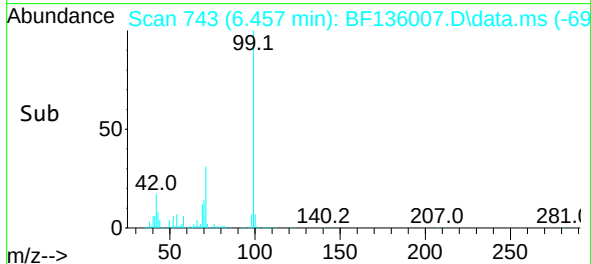
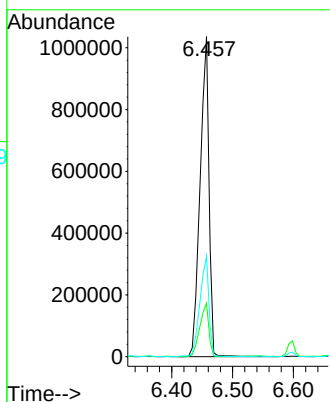
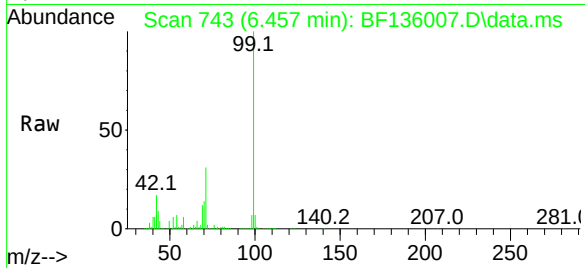




#7
Phenol-d6
Concen: 91.314 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

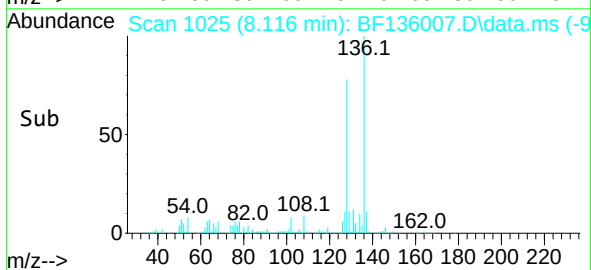
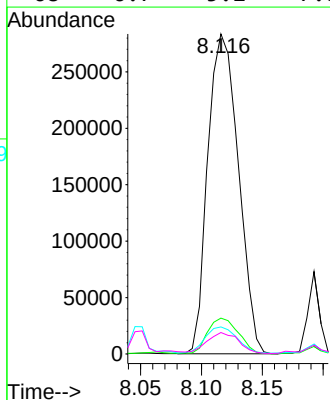
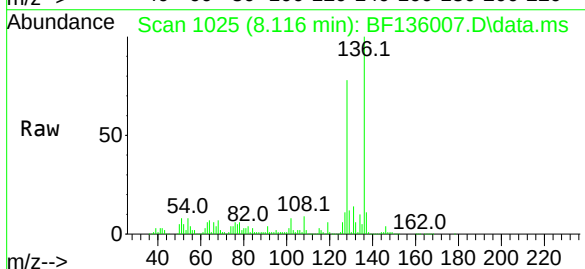
Instrument :
BNA_F
ClientSampleId :
0-3(5-10)

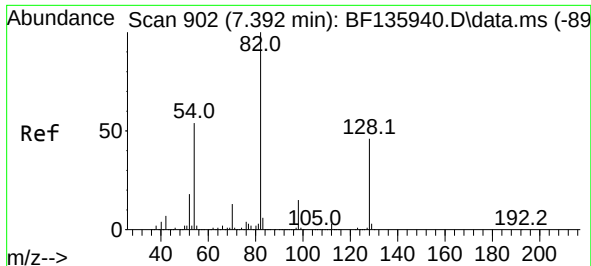
Tgt Ion: 99 Resp: 1048216
Ion Ratio Lower Upper
99 100
42 16.7 13.8 20.8
71 31.5 25.1 37.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

Tgt Ion: 136 Resp: 496118
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.5 7.1 10.7
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 85.426 ng

RT: 7.387 min Scan# 90

Delta R.T. -0.005 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

Instrument :

BNA_F

ClientSampleId :

0-3(5-10)

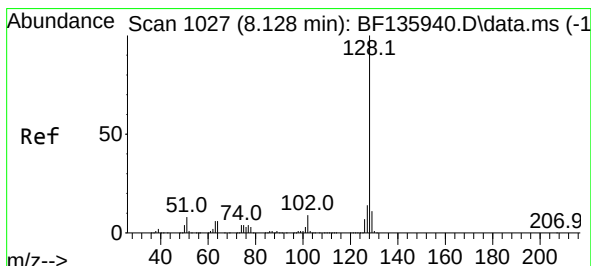
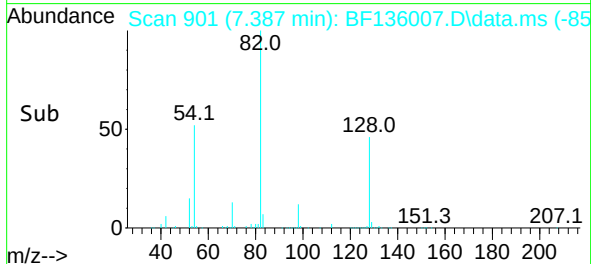
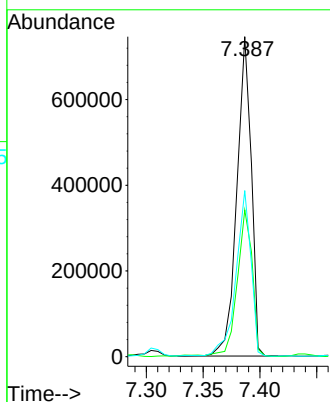
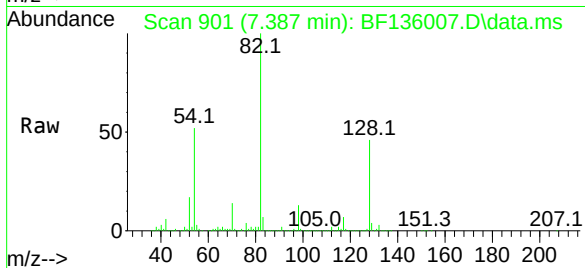
Tgt Ion: 82 Resp: 656725

Ion Ratio Lower Upper

82 100

128 45.9 36.8 55.2

54 51.9 43.4 65.0



#31

Naphthalene

Concen: 438.079 ng

RT: 8.151 min Scan# 1031

Delta R.T. 0.024 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

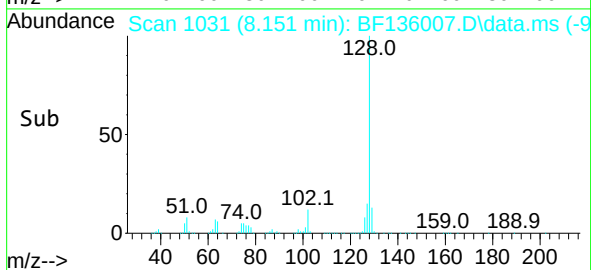
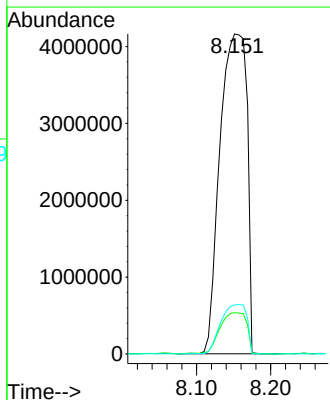
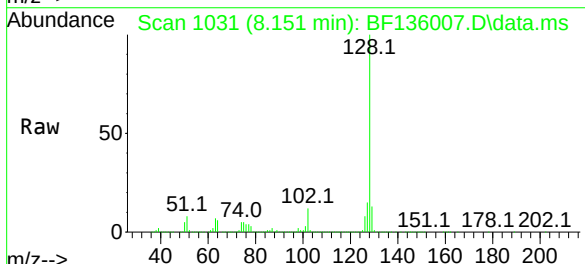
Tgt Ion: 128 Resp: 10507820

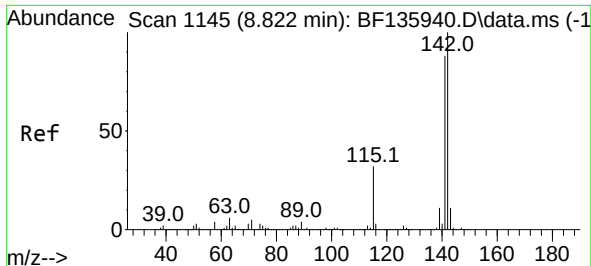
Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.6

127 15.3 10.9 16.3





#37

2-Methylnaphthalene

Concen: 179.701 ng

RT: 8.834 min Scan# 1145

Delta R.T. 0.012 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

Instrument :

BNA_F

ClientSampleId :

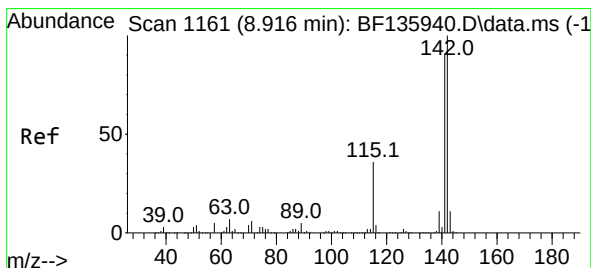
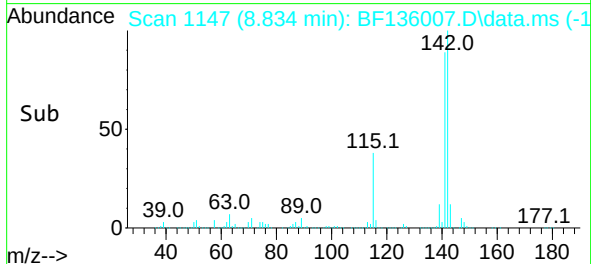
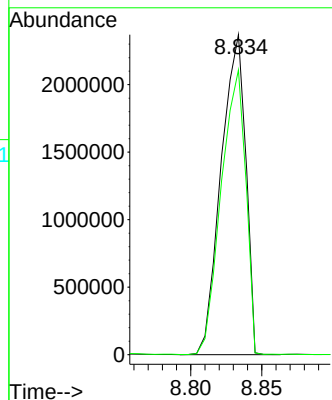
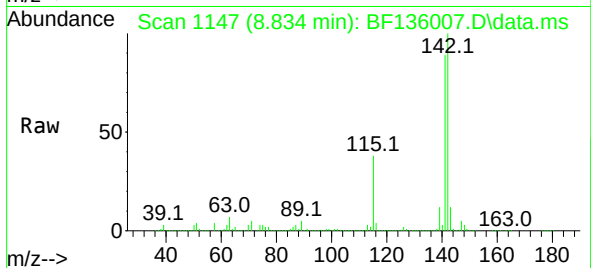
0-3(5-10)

Tgt Ion:142 Resp: 2851866

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6



#38

1-Methylnaphthalene

Concen: 136.148 ng

RT: 8.928 min Scan# 1163

Delta R.T. 0.012 min

Lab File: BF136007.D

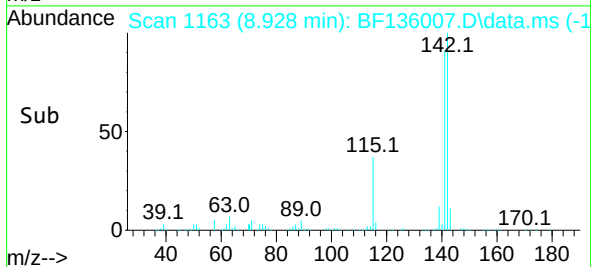
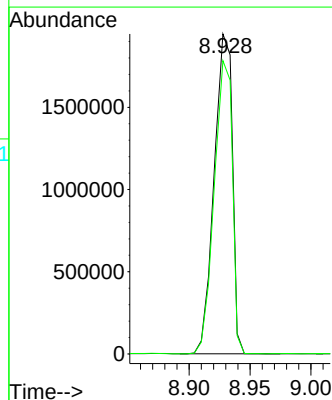
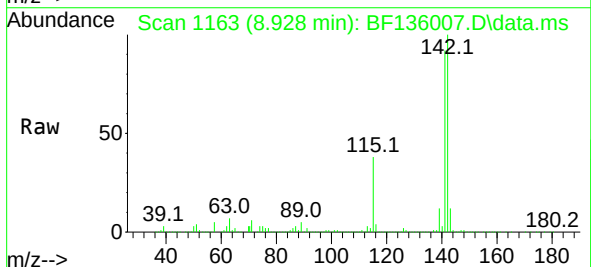
Acq: 28 Oct 2023 16:05

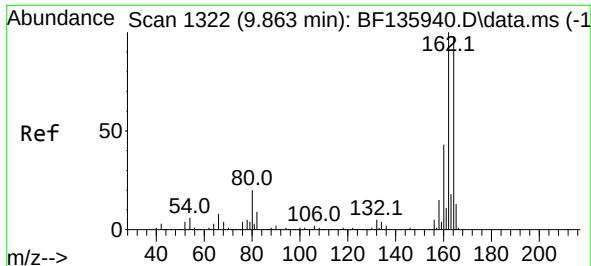
Tgt Ion:142 Resp: 2018946

Ion Ratio Lower Upper

142 100

141 91.7 73.1 109.7

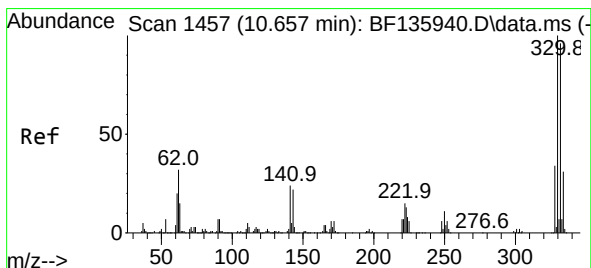
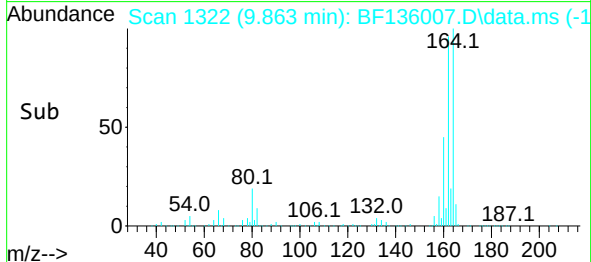
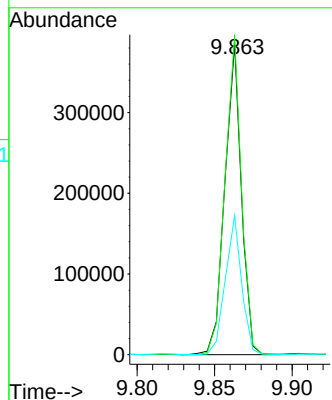
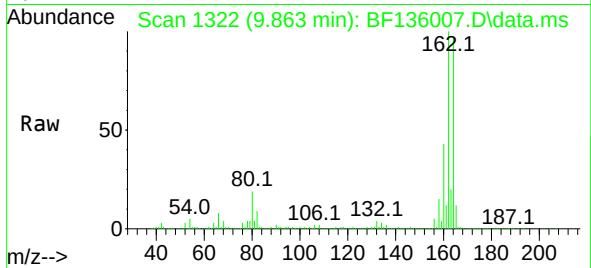




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

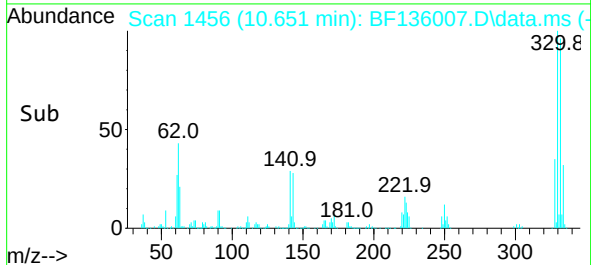
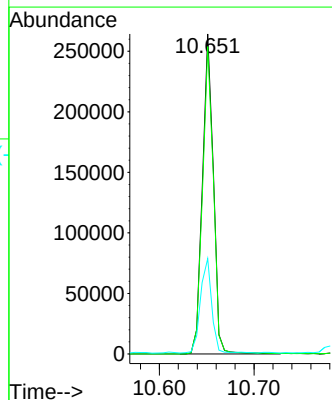
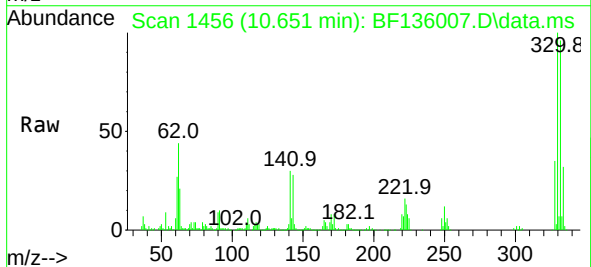
Instrument :
BNA_F
ClientSampleId :
0-3(5-10)

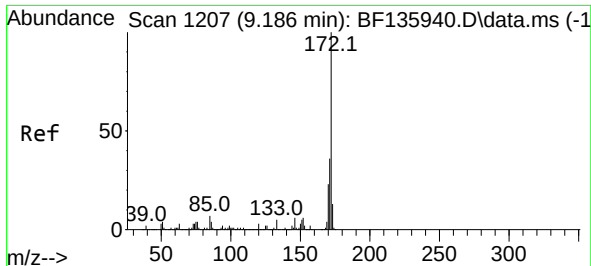
Tgt Ion:164 Resp: 286611
Ion Ratio Lower Upper
164 100
162 103.0 82.0 123.0
160 44.8 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 84.294 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

Tgt Ion:330 Resp: 211469
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 30.5 24.9 37.3

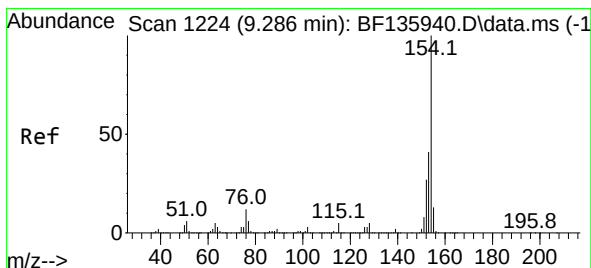
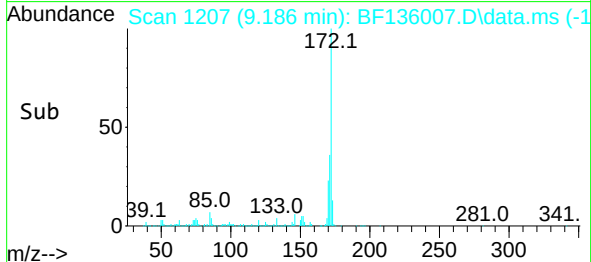
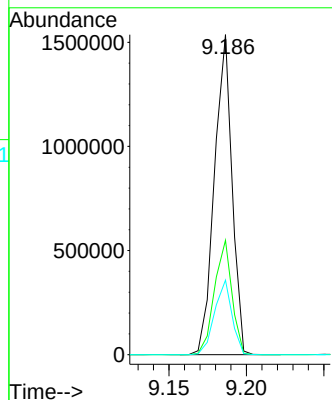
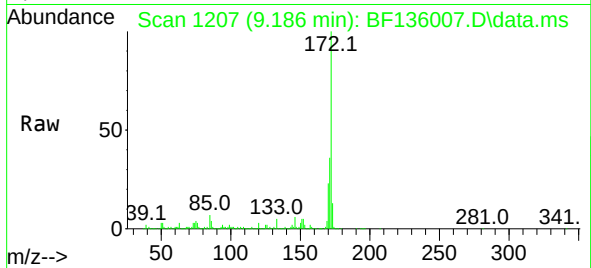




#45
2-Fluorobiphenyl
Concen: 67.853 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

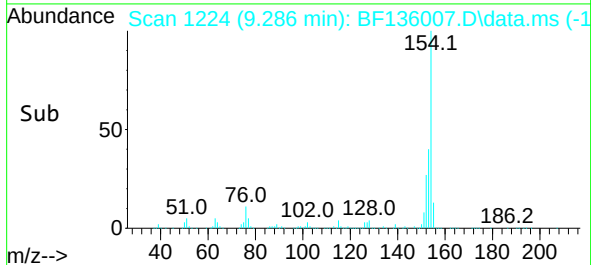
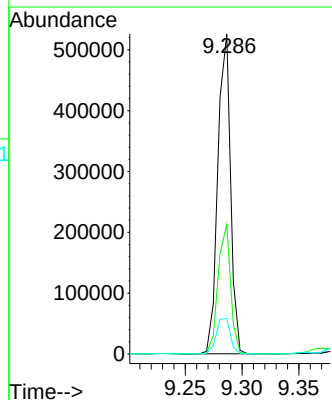
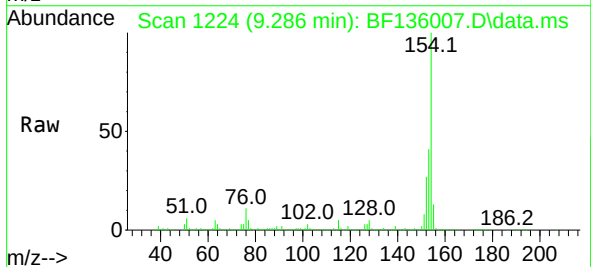
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0-3(5-10)

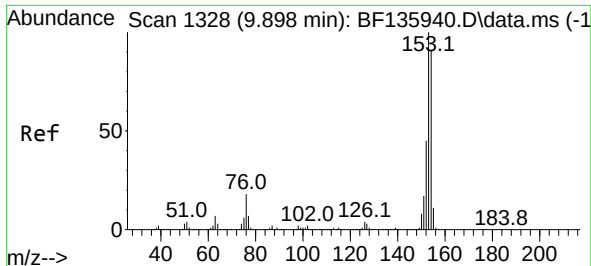
Tgt Ion:172 Resp: 1214512
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 18.881 ng
RT: 9.286 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

Tgt Ion:154 Resp: 410044
Ion Ratio Lower Upper
154 100
153 40.5 20.7 60.7
76 11.1 0.0 32.4

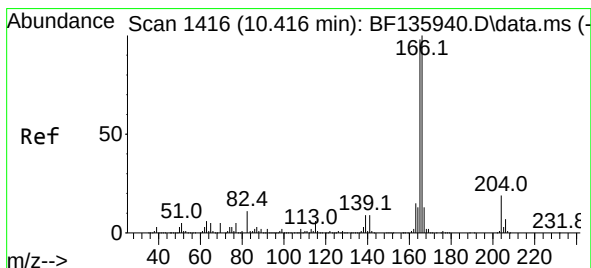
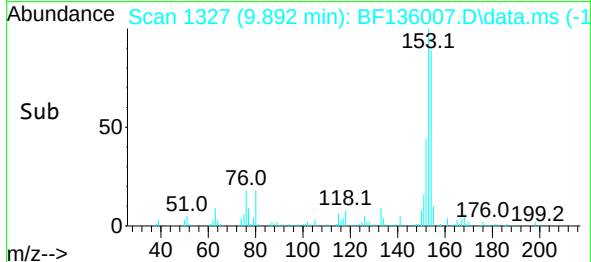
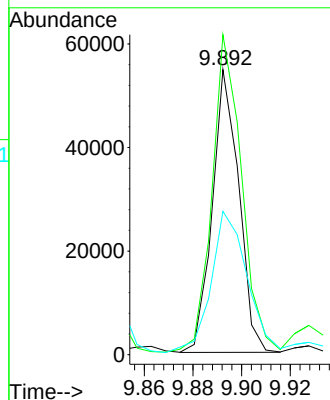
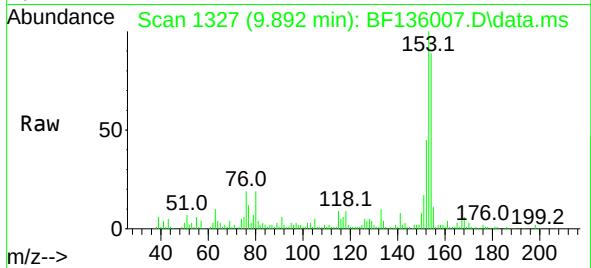




#52
Acenaphthene
Concen: 2.540 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

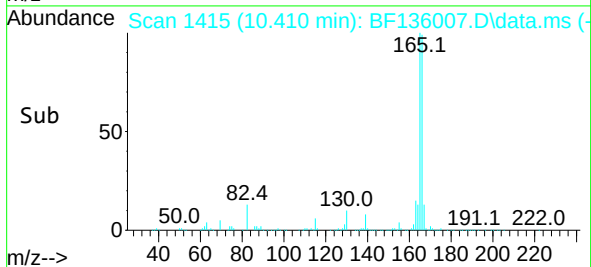
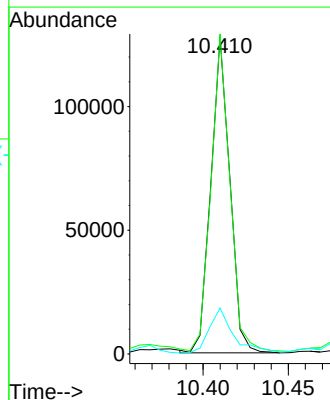
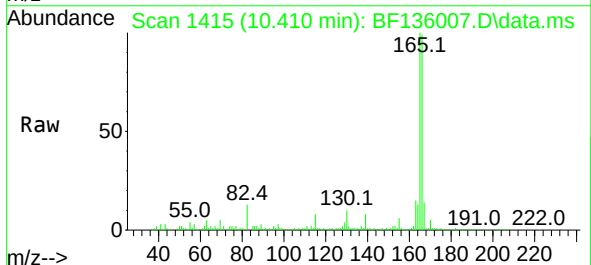
Instrument :
BNA_F
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0-3(5-10)

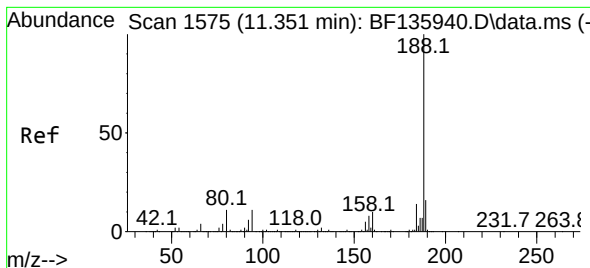
Tgt Ion:154 Resp: 41249
Ion Ratio Lower Upper
154 100
153 112.3 88.0 132.0
152 50.3 39.4 59.2



#58
Fluorene
Concen: 5.623 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136007.D
Acq: 28 Oct 2023 16:05

Tgt Ion:166 Resp: 98702
Ion Ratio Lower Upper
166 100
165 100.8 78.0 117.0
167 14.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

Instrument :

BNA_F

ClientSampleId :

0-3(5-10)

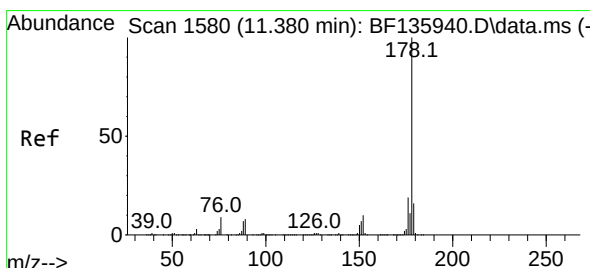
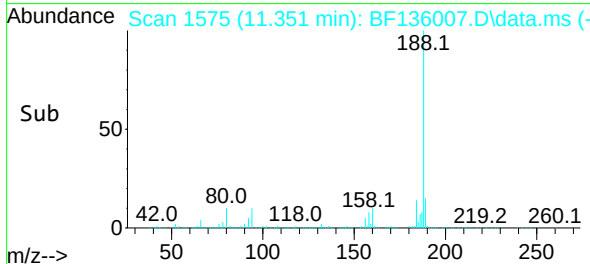
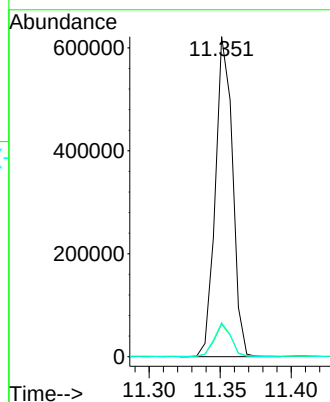
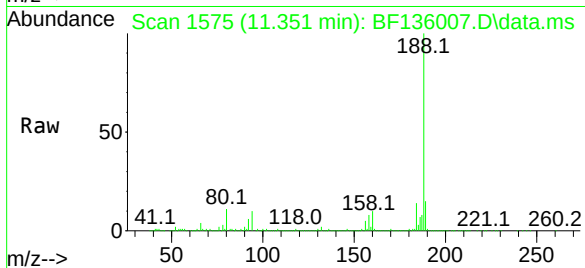
Tgt Ion:188 Resp: 522451

Ion Ratio Lower Upper

188 100

94 10.2 8.6 13.0

80 10.7 9.0 13.6



#71

Phenanthrene

Concen: 5.356 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

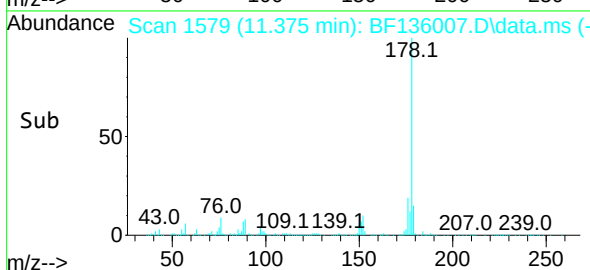
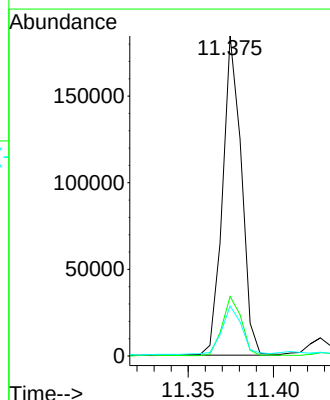
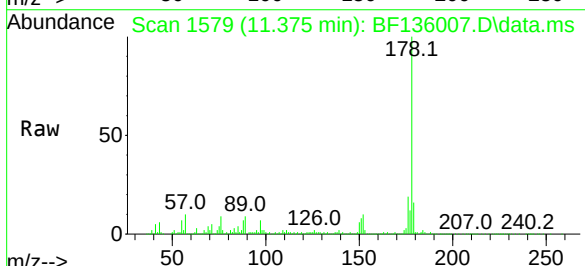
Tgt Ion:178 Resp: 141562

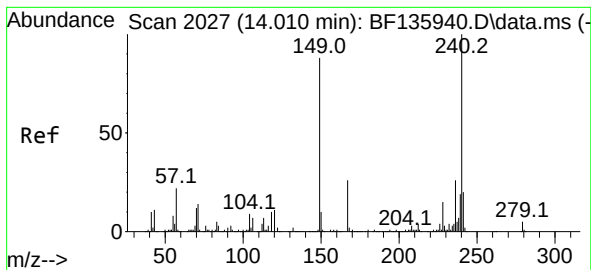
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.6 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

Instrument :

BNA_F

ClientSampleId :

0-3(5-10)

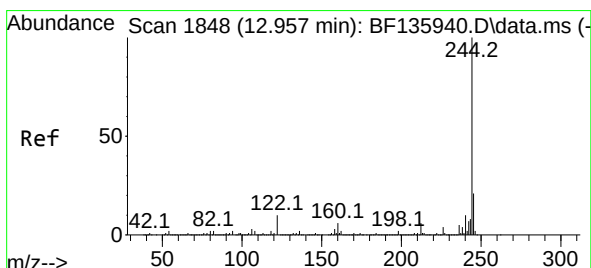
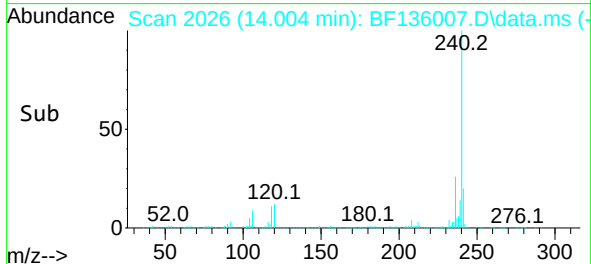
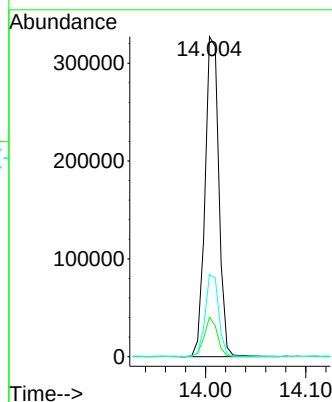
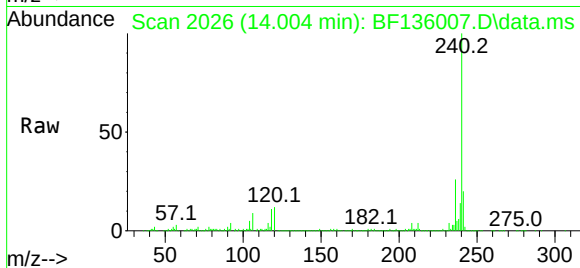
Tgt Ion:240 Resp: 314424

Ion Ratio Lower Upper

240 100

120 12.4 8.6 13.0

236 25.7 20.6 30.8



#79

Terphenyl-d14

Concen: 69.503 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136007.D

Acq: 28 Oct 2023 16:05

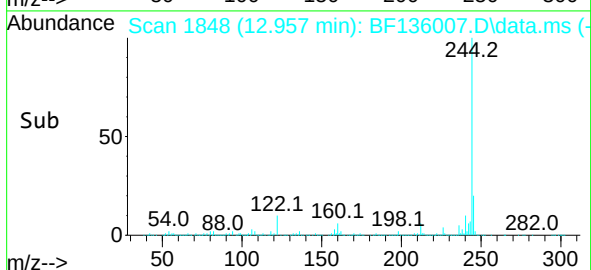
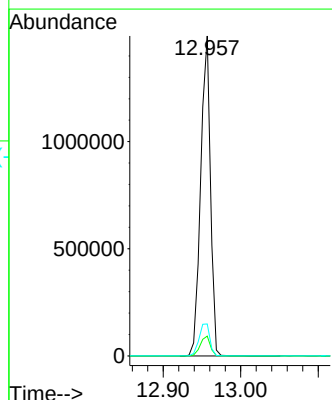
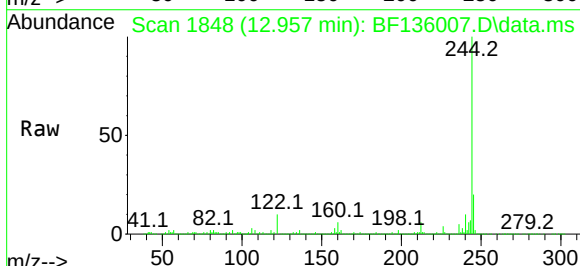
Tgt Ion:244 Resp: 1307980

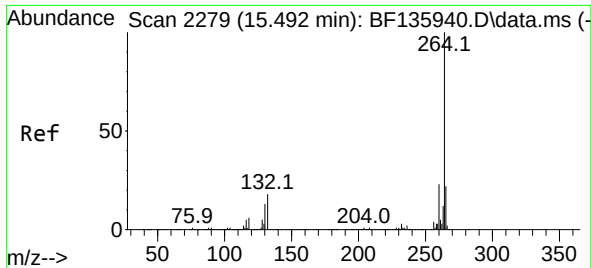
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.6

122 10.0 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136007.D
 Acq: 28 Oct 2023 16:05

Instrument :
 BNA_F
 ClientSampleId :
 0-3(5-10)

Tgt Ion:264 Resp: 305547
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.5 17.3 25.9

