

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091224\
 Data File : BF139343.D
 Acq On : 12 Sep 2024 17:17
 Operator : RC/JU
 Sample : P3912-01DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL

Quant Time: Sep 12 17:53:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

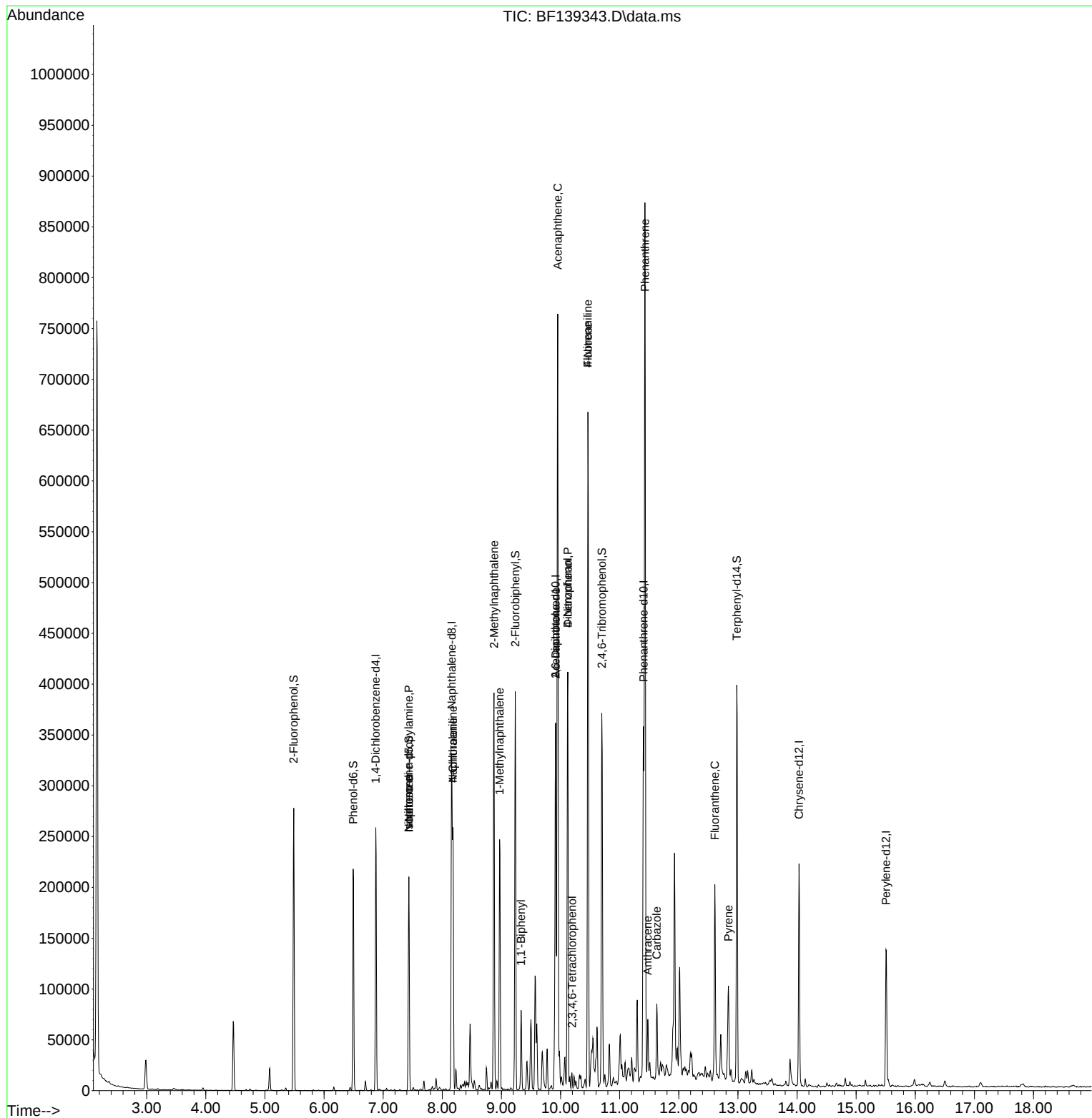
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	48815	20.000	ng	-0.02
21) Naphthalene-d8	8.157	136	183535	20.000	ng	#-0.02
39) Acenaphthene-d10	9.916	164	100400	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	176003	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	93961	20.000	ng	#-0.02
86) Perylene-d12	15.504	264	73005	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	82431	28.249	ng	-0.02
7) Phenol-d6	6.493	99	81188	20.841	ng	-0.02
23) Nitrobenzene-d5	7.434	82	81791	23.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	39901	46.024	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	153758	23.640	ng	-0.02
79) Terphenyl-d14	12.980	244	176135	30.266	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	11098	4.947	ng	# 83
25) Isophorone	7.434	82	81789	13.560	ng	# 67
31) Naphthalene	8.181	128	139548	15.014	ng	99
33) 4-Chloroaniline	8.181	127	17791	5.528	ng	# 29
37) 2-Methylnaphthalene	8.875	142	136402	23.457	ng	98
38) 1-Methylnaphthalene	8.969	142	82294	14.389	ng	99
46) 1,1'-Biphenyl	9.334	154	32166	4.324	ng	98
51) 2,6-Dinitrotoluene	9.916	165	15966	11.565	ng	# 19
52) Acenaphthene	9.951	154	222956	39.735	ng	97
55) Dibenzofuran	10.122	168	202259	25.142	ng	94
56) 4-Nitrophenol	10.122	139	86950	80.093	ng	# 1
58) Fluorene	10.463	166	252717	40.518	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.192	232	3189	2.080	ng	# 76
62) 4-Nitroaniline	10.463	138	3317	2.369	ng	# 14
71) Phenanthrene	11.428	178	424557	51.636	ng	99
72) Anthracene	11.475	178	27805	3.462	ng	98
73) Carbazole	11.628	167	35860	4.777	ng	99
75) Fluoranthene	12.610	202	101956	12.369	ng	97
78) Pyrene	12.839	202	50928	5.611	ng	97

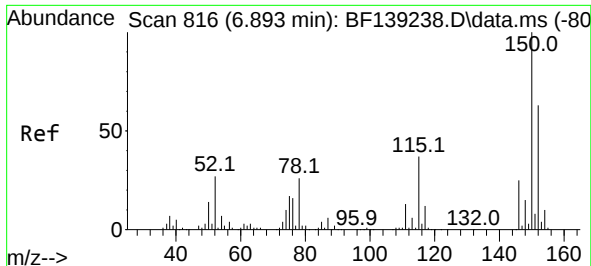
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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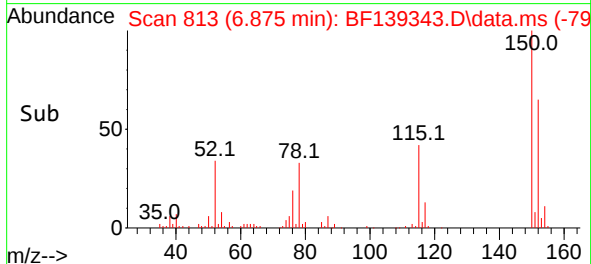
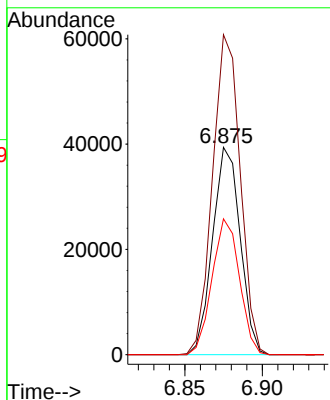
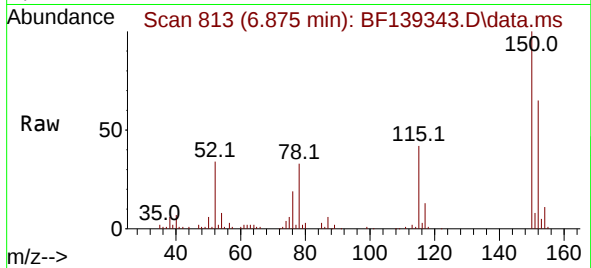




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 816
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

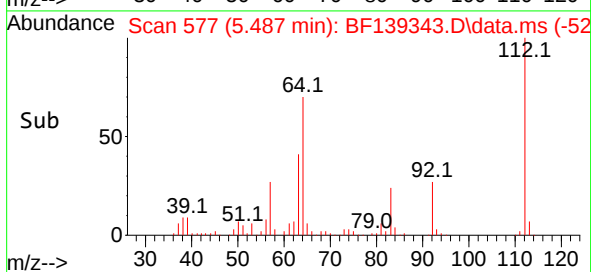
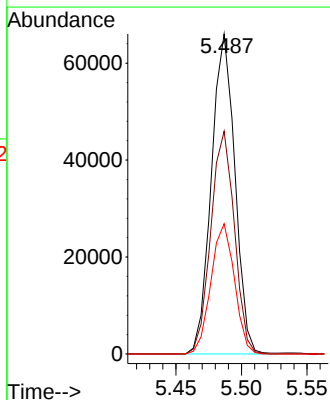
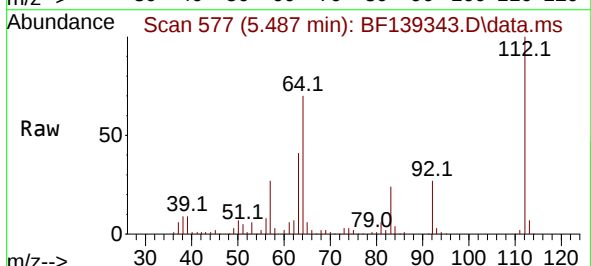
Instrument :
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282-COMPOSITE-1DL

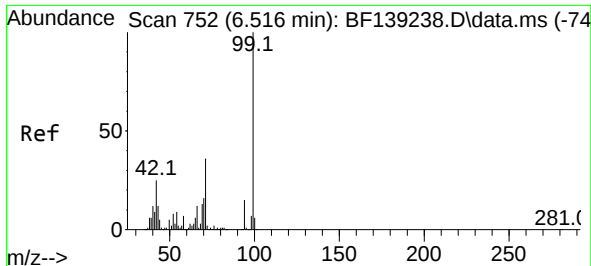
Tgt Ion:152 Resp: 48815
Ion Ratio Lower Upper
152 100
150 154.3 127.0 190.4
115 65.5 46.9 70.3



#5
2-Fluorophenol
Concen: 28.249 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:112 Resp: 82431
Ion Ratio Lower Upper
112 100
64 69.6 55.0 82.4
63 40.7 29.9 44.9

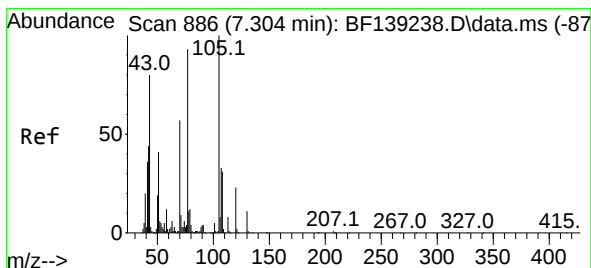
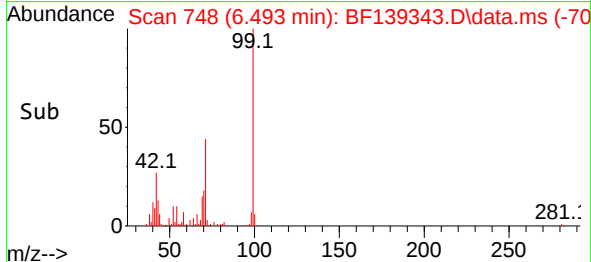
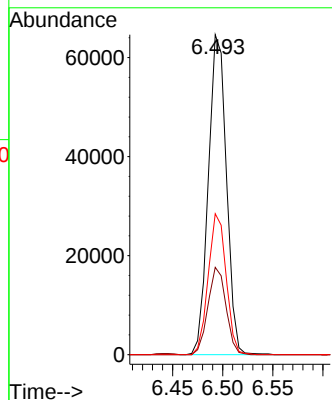
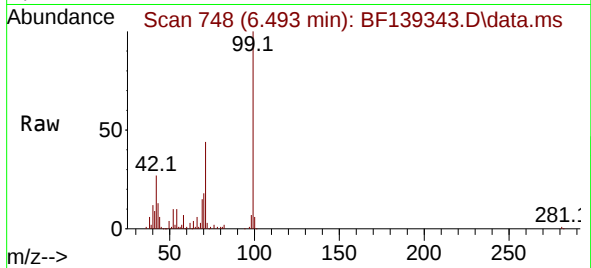




#7
Phenol-d6
Concen: 20.841 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.024 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

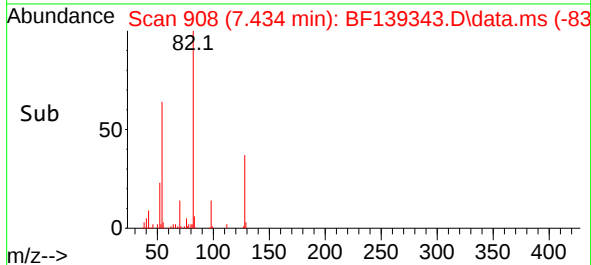
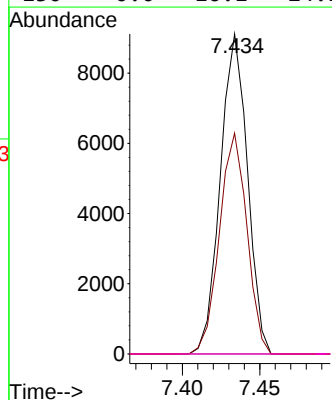
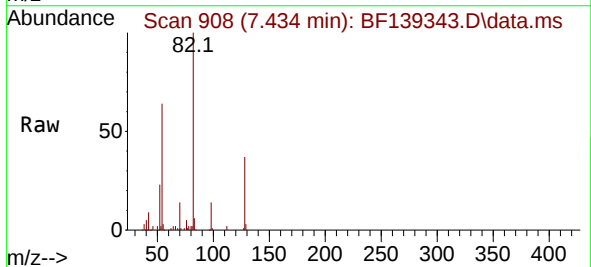
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BNA_F
ClientSampleId :
282-COMPOSITE-1DL

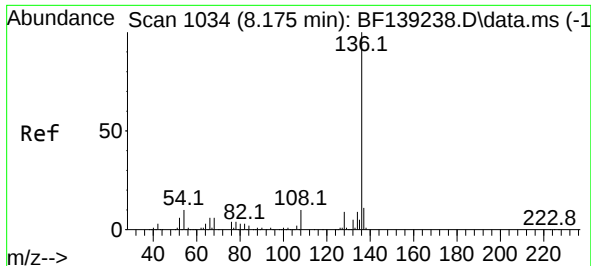
Tgt Ion: 99 Resp: 81188
Ion Ratio Lower Upper
99 100
42 27.3 19.8 29.6
71 44.1 28.8 43.2#



#19
n-Nitroso-di-n-propylamine
Concen: 4.947 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.129 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion: 70 Resp: 11098
Ion Ratio Lower Upper
70 100
42 69.0 61.0 91.6
101 0.0 7.2 10.8#
130 0.0 16.1 24.1#

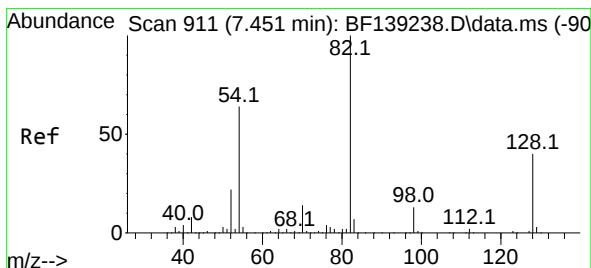
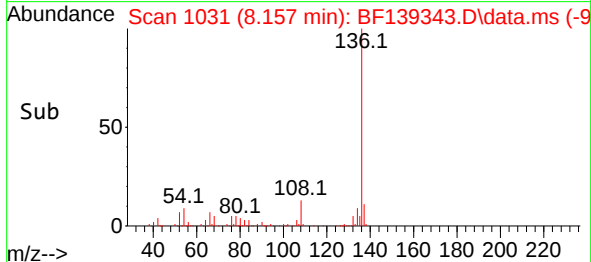
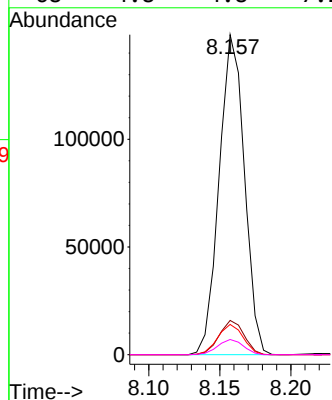
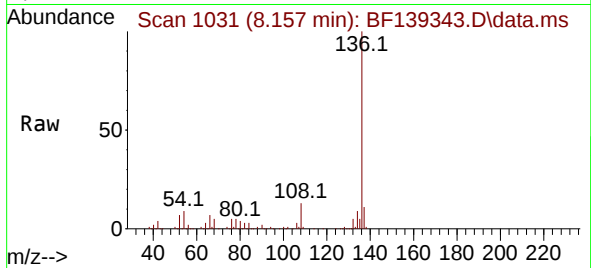




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

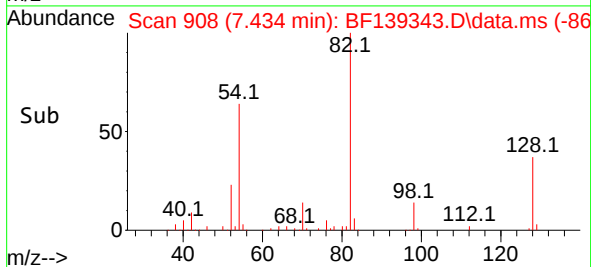
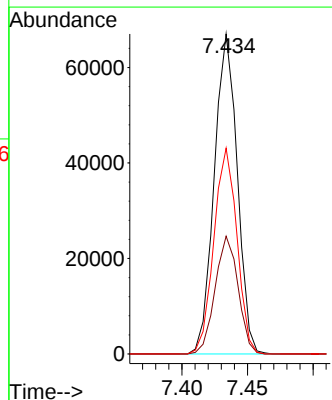
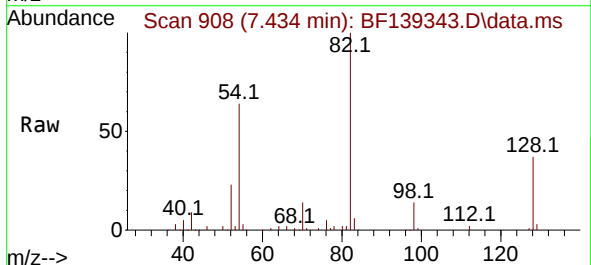
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

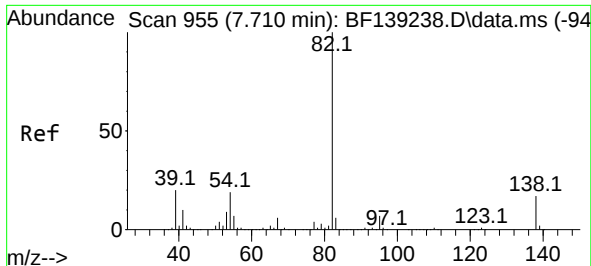
Tgt Ion:136 Resp: 183535
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.5 8.4 12.6
68 4.8 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 23.184 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion: 82 Resp: 81791
Ion Ratio Lower Upper
82 100
128 36.8 32.3 48.5
54 64.3 51.2 76.8

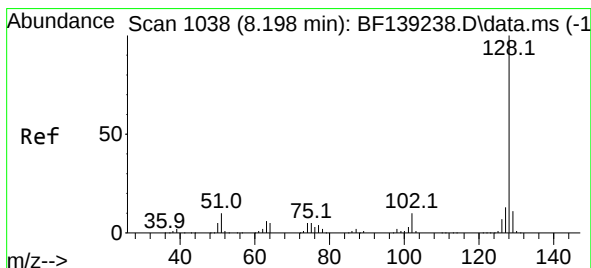
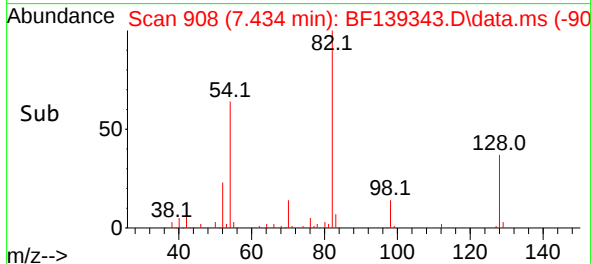
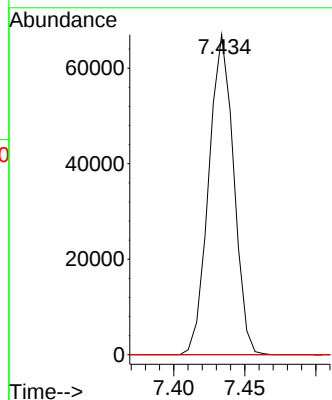
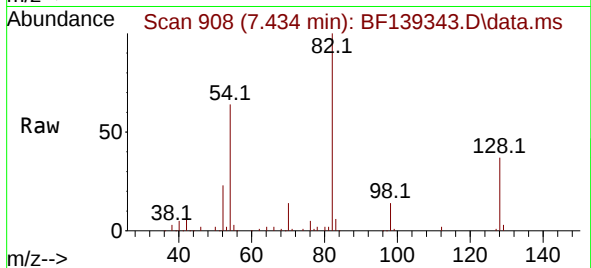




#25
Isophorone
Concen: 13.560 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

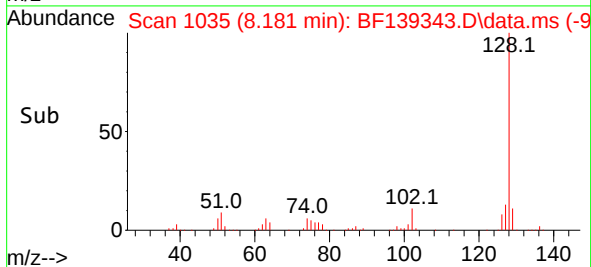
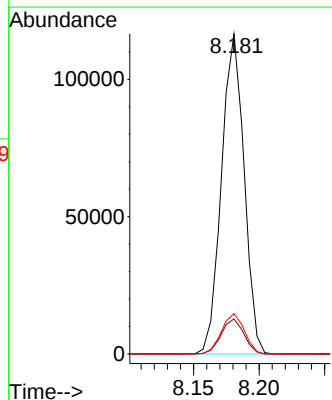
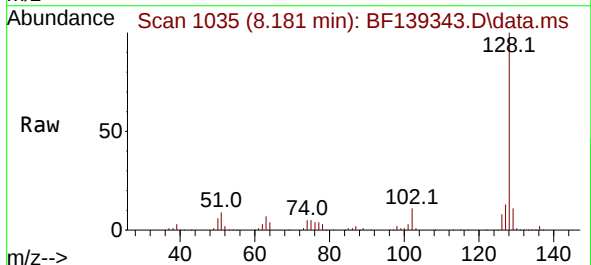
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

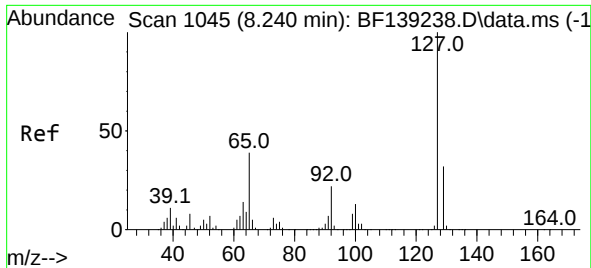
Tgt Ion: 82 Resp: 81789
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#31
Naphthalene
Concen: 15.014 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:128 Resp: 139548
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.6 10.6 15.8

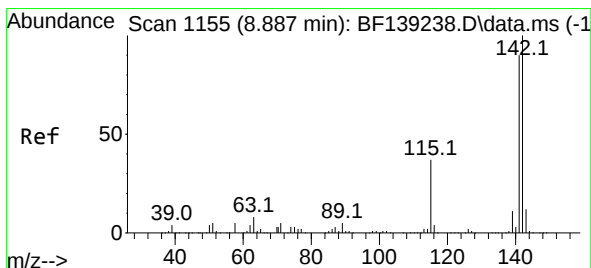
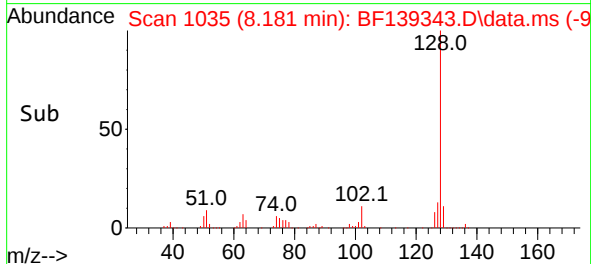
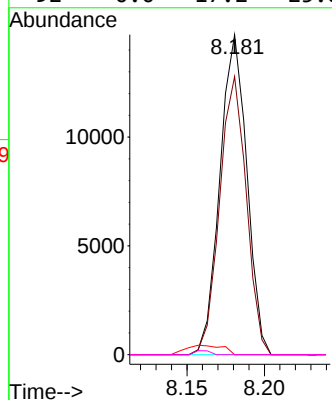
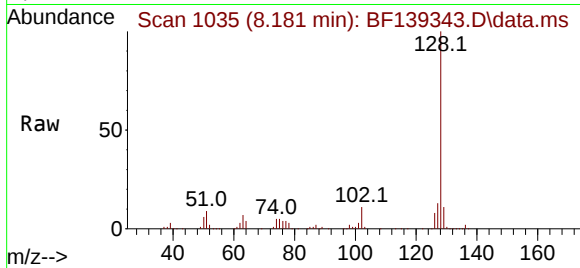




#33
4-Chloroaniline
Concen: 5.528 ng
RT: 8.181 min Scan# 1045
Delta R.T. -0.059 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

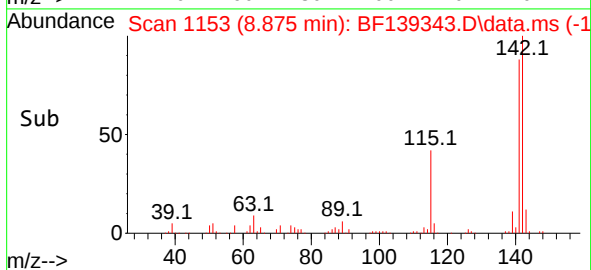
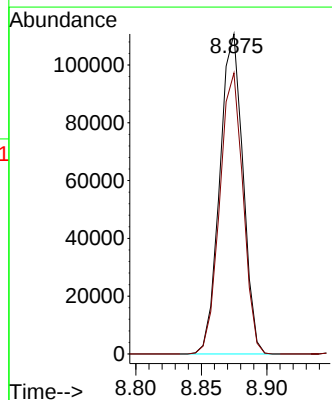
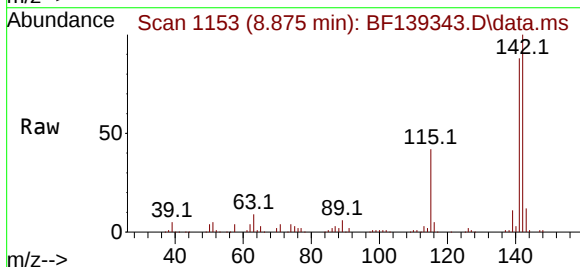
Instrument :
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ClientSampleId :
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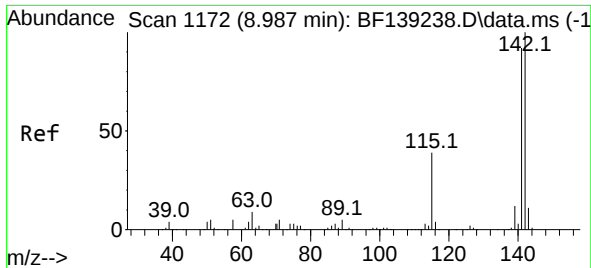
Tgt Ion:127	Resp:	17791
Ion	Ratio	Lower Upper
127	100	
129	86.9	25.8 38.6#
65	0.0	30.6 45.8#
92	0.0	17.2 25.8#



#37
2-Methylnaphthalene
Concen: 23.457 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:142	Resp:	136402
Ion	Ratio	Lower Upper
142	100	
141	87.8	71.6 107.4

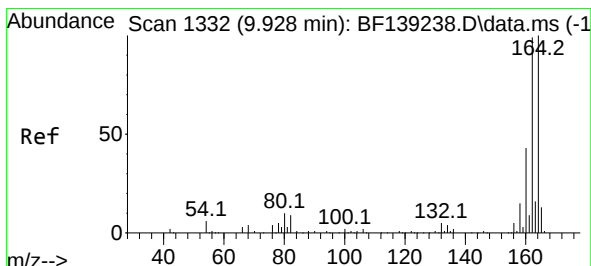
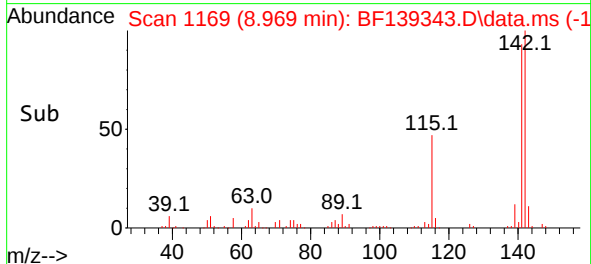
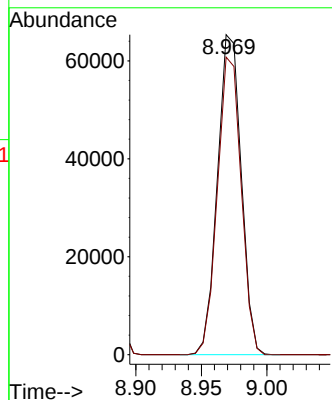
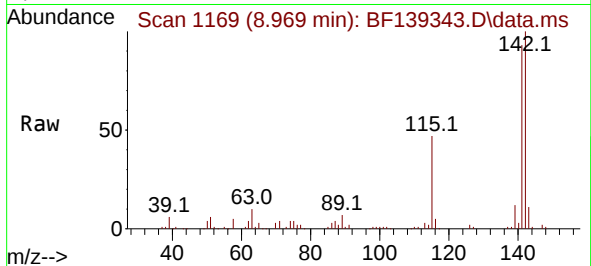




#38
1-Methylnaphthalene
Concen: 14.389 ng
RT: 8.969 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

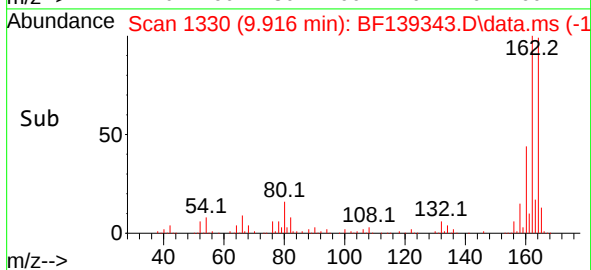
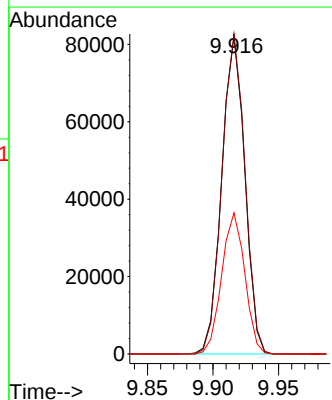
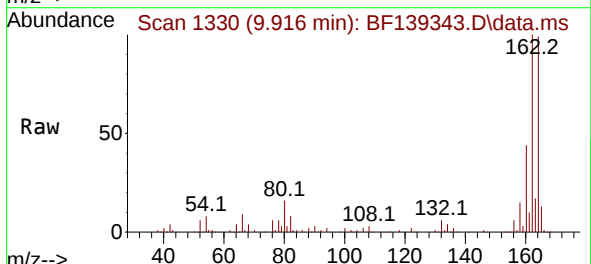
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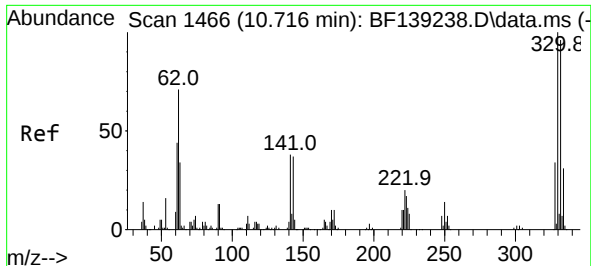
Tgt Ion:142 Resp: 82294
Ion Ratio Lower Upper
142 100
141 93.0 73.5 110.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

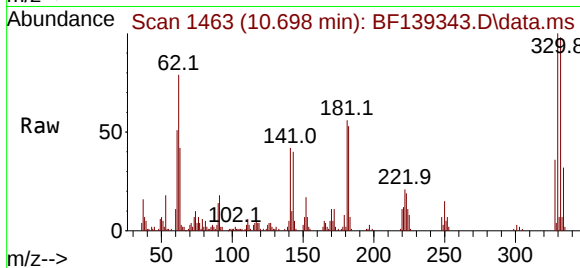
Tgt Ion:164 Resp: 100400
Ion Ratio Lower Upper
164 100
162 100.7 79.2 118.8
160 44.4 34.2 51.2



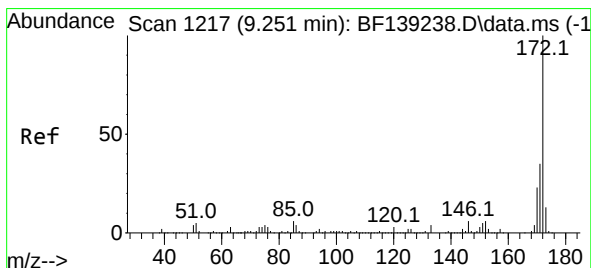
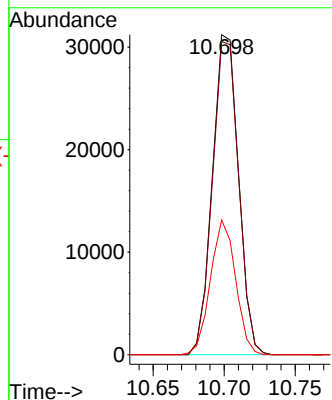
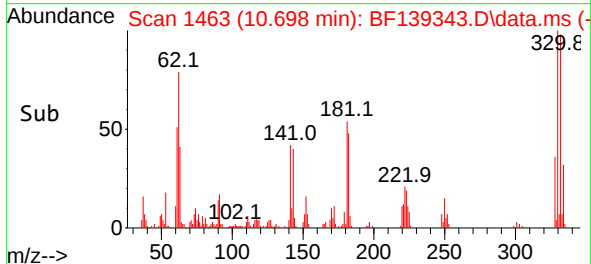


#42
 2,4,6-Tribromophenol
 Concen: 46.024 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

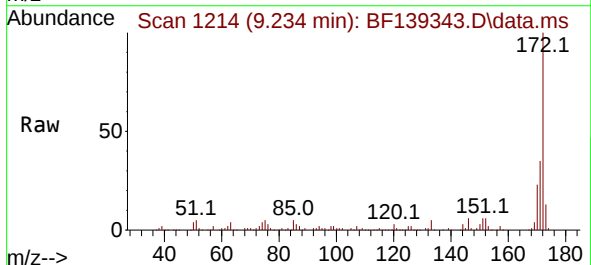
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 282-COMPOSITE-1DL



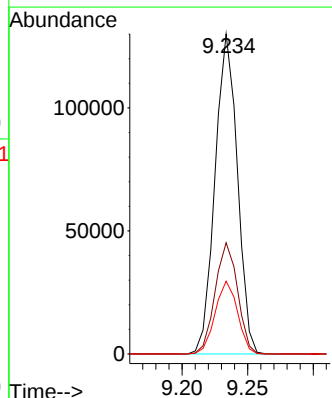
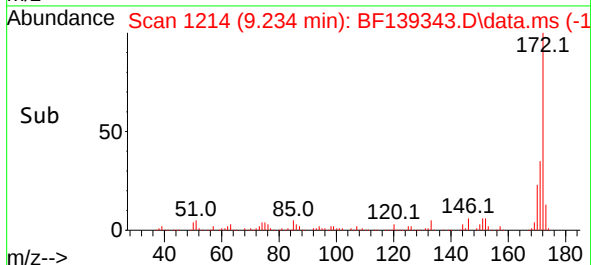
Tgt Ion: 330 Resp: 39901
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 40.5 30.1 45.1

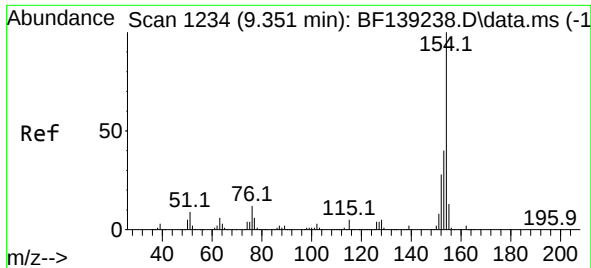


#45
 2-Fluorobiphenyl
 Concen: 23.640 ng
 RT: 9.234 min Scan# 1214
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17



Tgt Ion: 172 Resp: 153758
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.3 42.5
 170 22.8 18.7 28.1





#46

1,1'-Biphenyl

Concen: 4.324 ng

RT: 9.334 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL

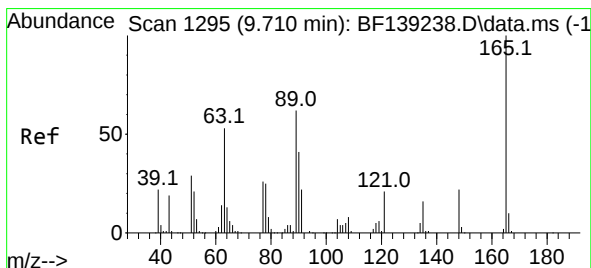
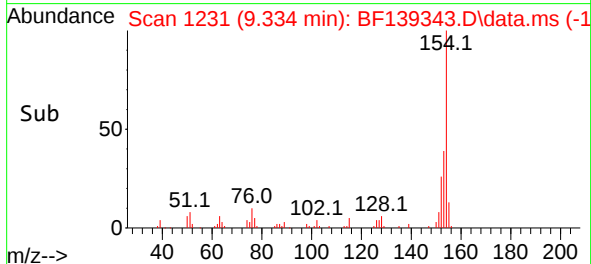
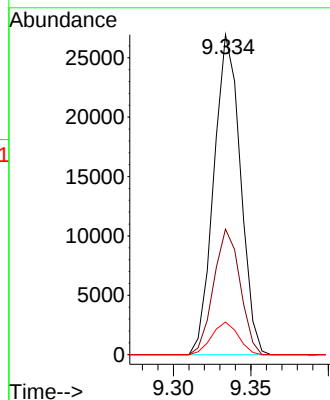
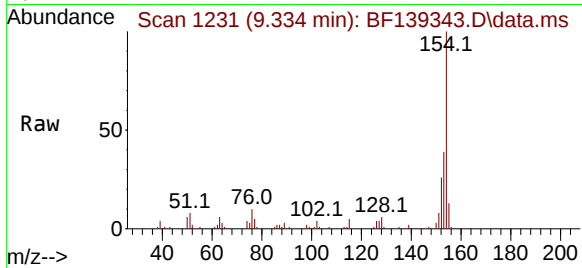
Tgt Ion:154 Resp: 32166

Ion Ratio Lower Upper

154 100

153 39.2 20.1 60.1

76 10.2 0.0 32.3



#51

2,6-Dinitrotoluene

Concen: 11.565 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

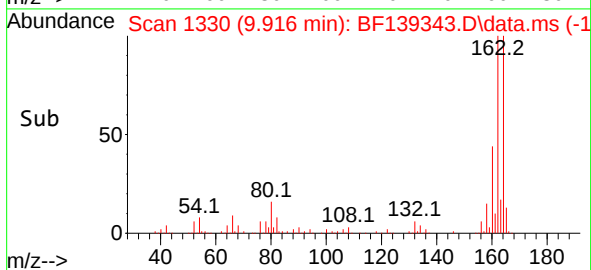
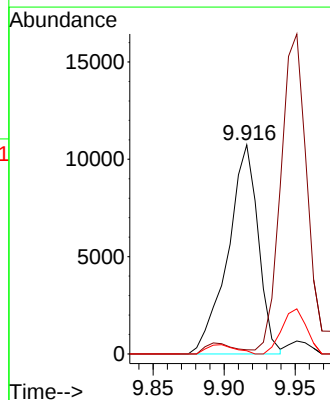
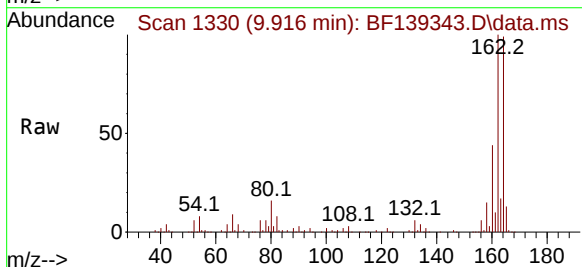
Tgt Ion:165 Resp: 15966

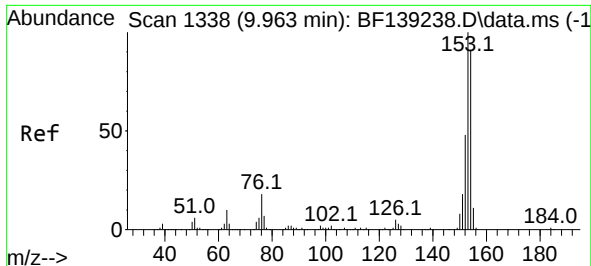
Ion Ratio Lower Upper

165 100

63 2.0 56.1 84.1#

89 1.6 49.7 74.5#

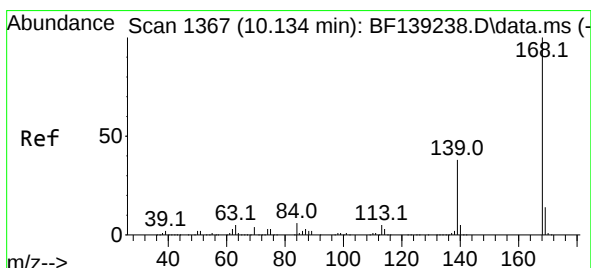
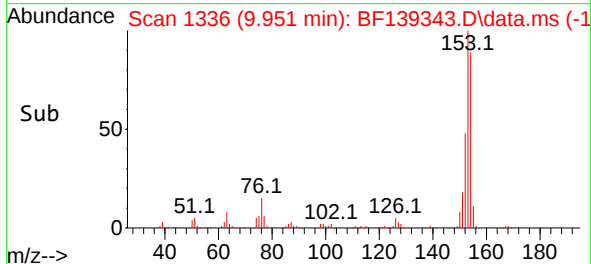
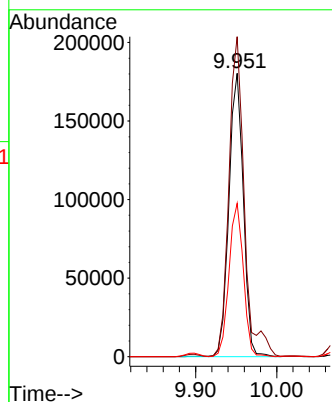
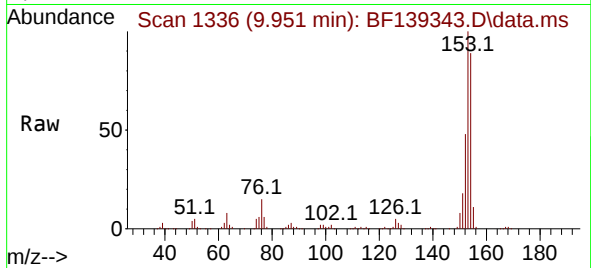




#52
Acenaphthene
Concen: 39.735 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

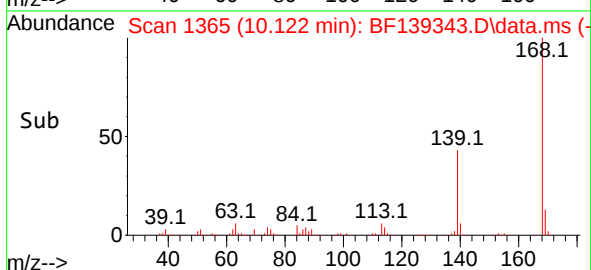
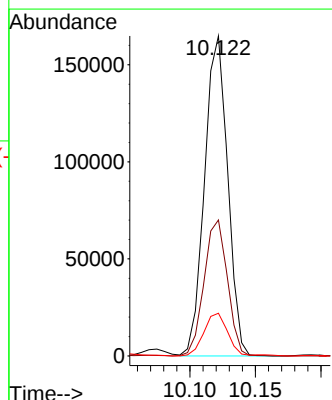
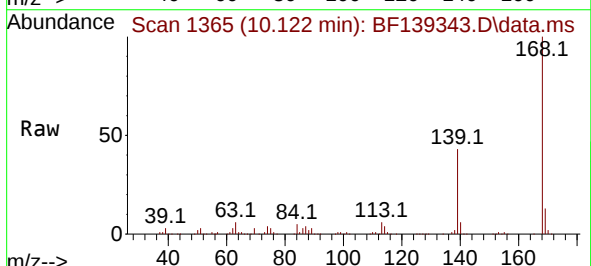
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

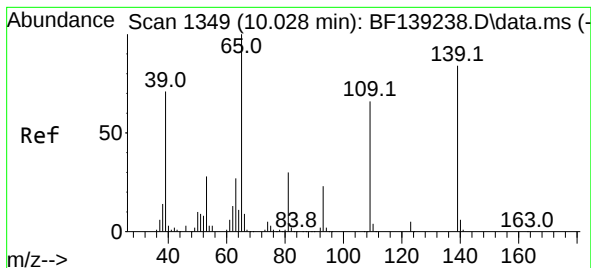
Tgt Ion:154 Resp: 222956
Ion Ratio Lower Upper
154 100
153 112.9 87.8 131.6
152 54.1 41.7 62.5



#55
Dibenzofuran
Concen: 25.142 ng
RT: 10.122 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:168 Resp: 202259
Ion Ratio Lower Upper
168 100
139 42.5 30.2 45.4
169 13.4 10.8 16.2

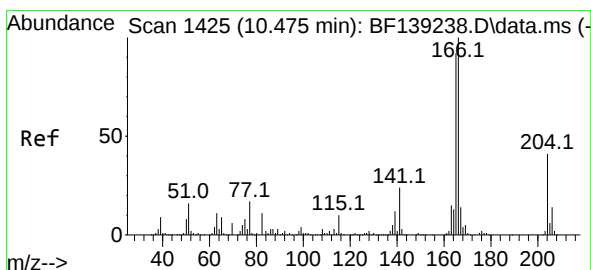
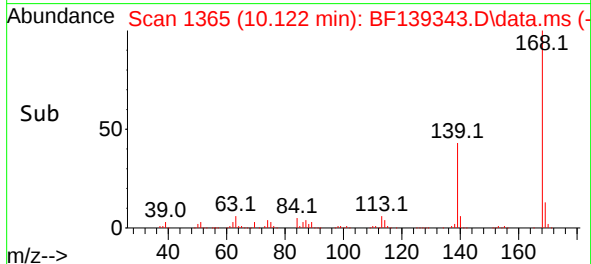
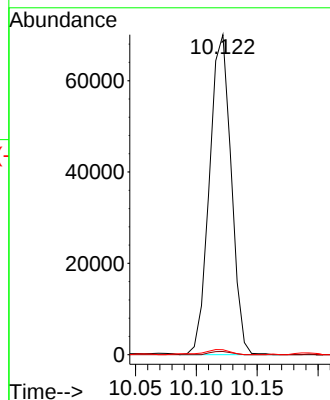
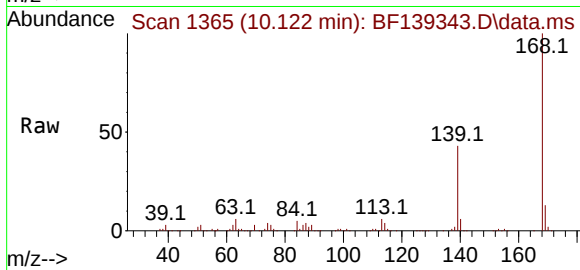




#56
4-Nitrophenol
Concen: 80.093 ng
RT: 10.122 min Scan# 1349
Delta R.T. 0.094 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

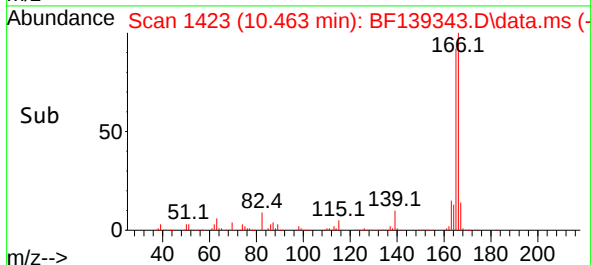
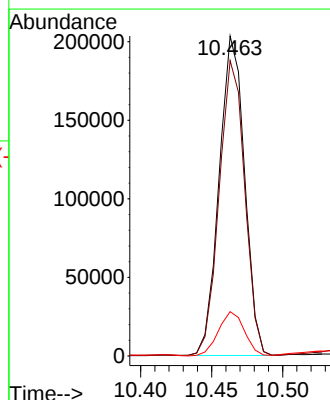
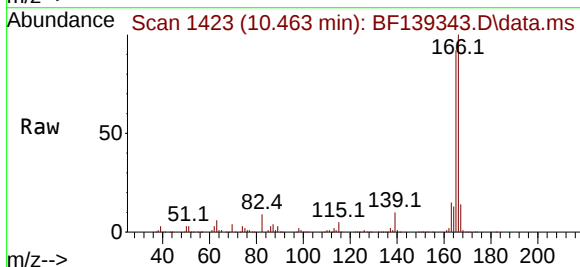
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

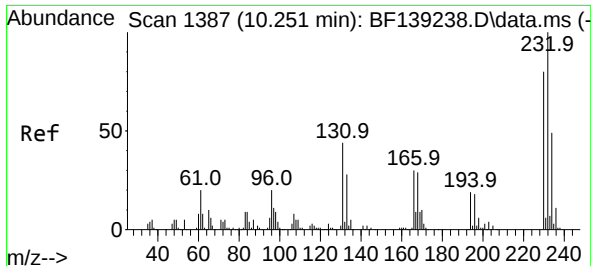
Tgt Ion:139 Resp: 86950
Ion Ratio Lower Upper
139 100
109 1.0 58.7 98.7#
65 1.5 100.3 140.3#



#58
Fluorene
Concen: 40.518 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:166 Resp: 252717
Ion Ratio Lower Upper
166 100
165 92.3 73.7 110.5
167 13.8 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 2.080 ng

RT: 10.192 min Scan# 1377

Delta R.T. -0.059 min

Lab File: BF139343.D

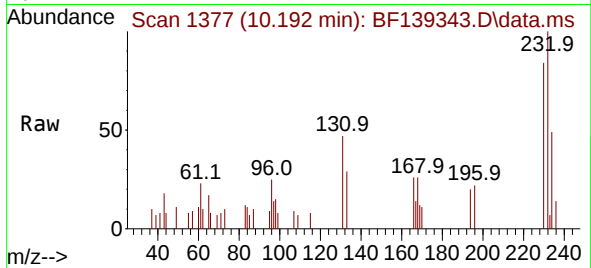
Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL



Tgt Ion:232 Resp: 3189

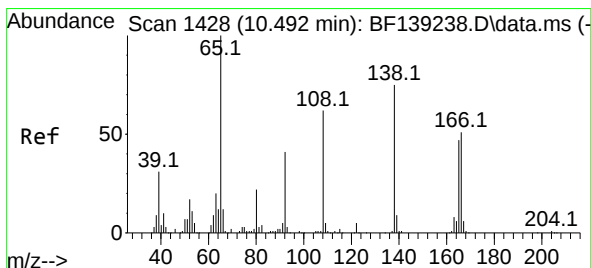
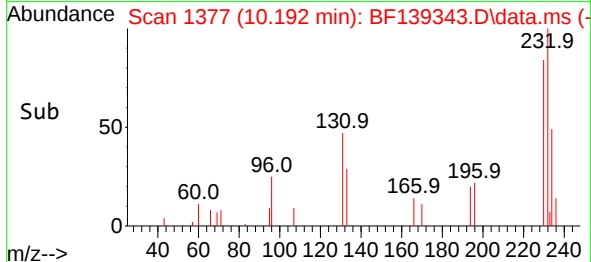
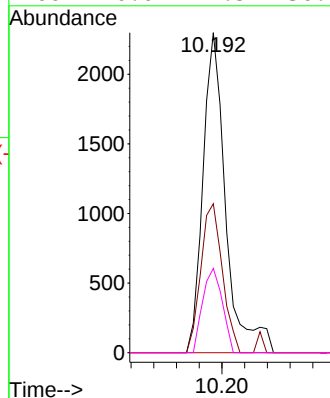
Ion Ratio Lower Upper

232 100

131 44.2 37.7 56.5

130 0.0 1.9 2.9#

166 0.0 24.5 36.7#



#62

4-Nitroaniline

Concen: 2.369 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.029 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

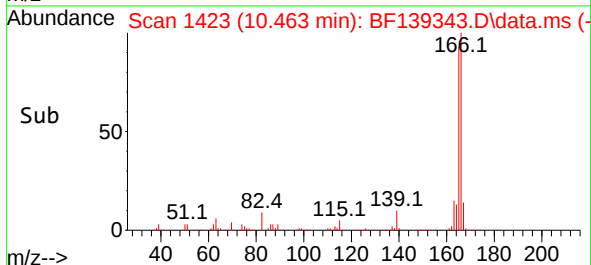
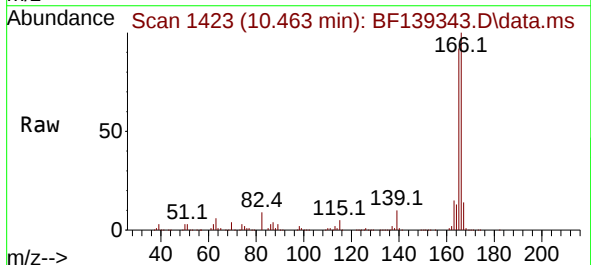
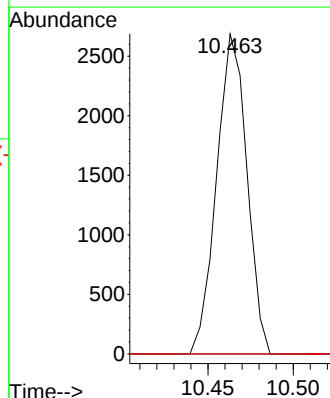
Tgt Ion:138 Resp: 3317

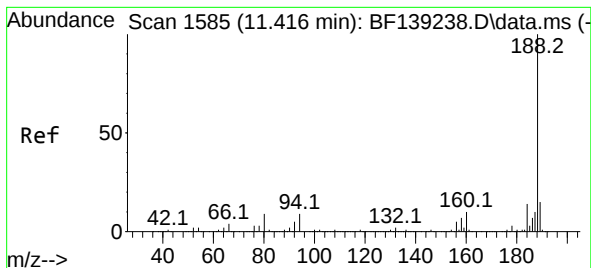
Ion Ratio Lower Upper

138 100

92 0.0 34.4 74.4#

108 0.0 62.7 102.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL

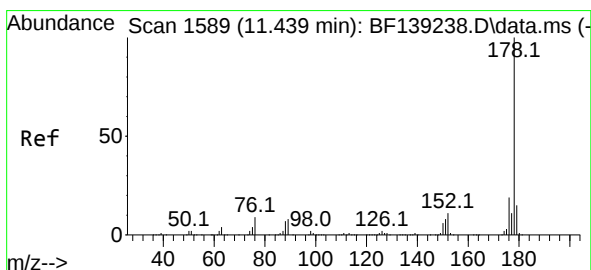
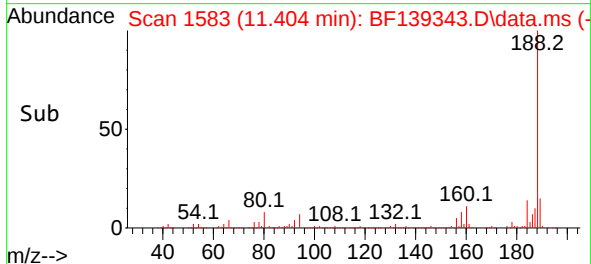
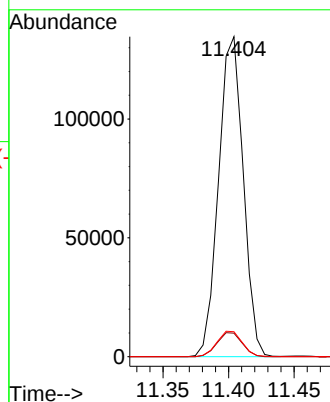
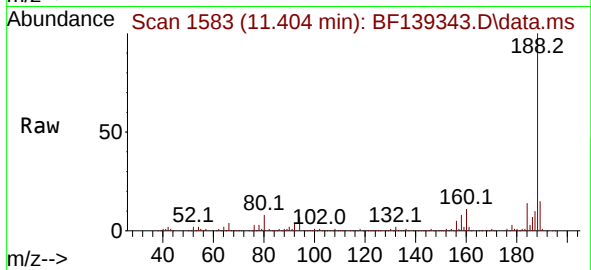
Tgt Ion:188 Resp: 176003

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 7.3 10.9



#71

Phenanthrene

Concen: 51.636 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.012 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

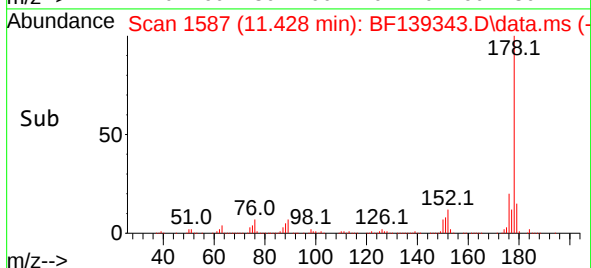
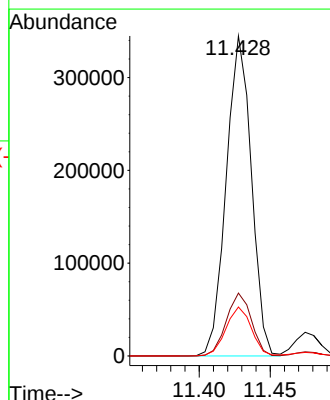
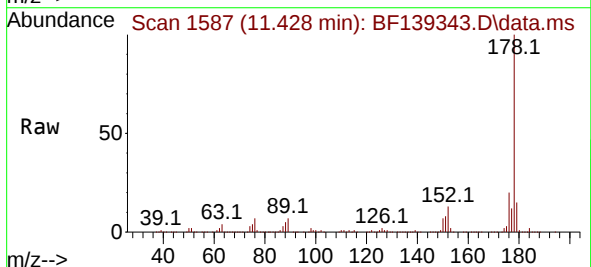
Tgt Ion:178 Resp: 424557

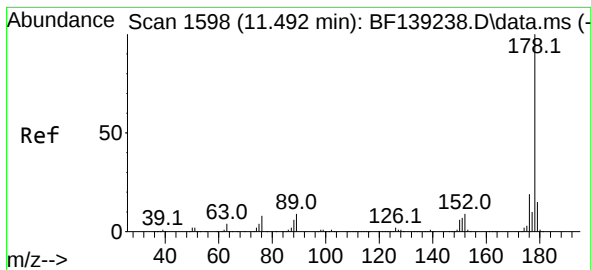
Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.3 12.3 18.5





#72

Anthracene

Concen: 3.462 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

Instrument :

BNA_F

ClientSampleId :

282-COMPOSITE-1DL

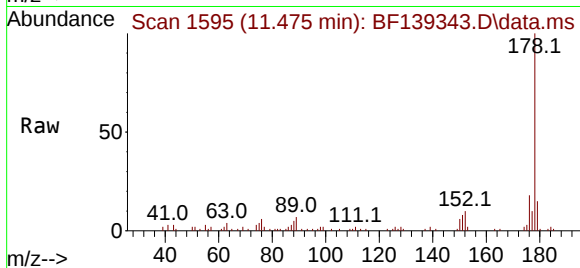
Tgt Ion:178 Resp: 27805

Ion Ratio Lower Upper

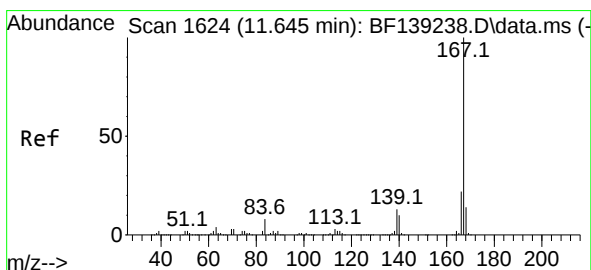
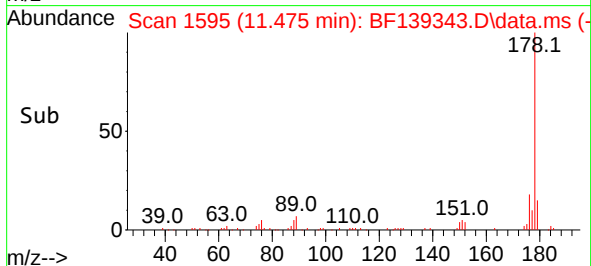
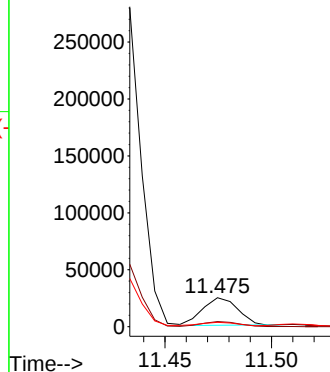
178 100

176 17.7 15.0 22.4

179 14.8 12.3 18.5



Abundance



#73

Carbazole

Concen: 4.777 ng

RT: 11.628 min Scan# 1621

Delta R.T. -0.018 min

Lab File: BF139343.D

Acq: 12 Sep 2024 17:17

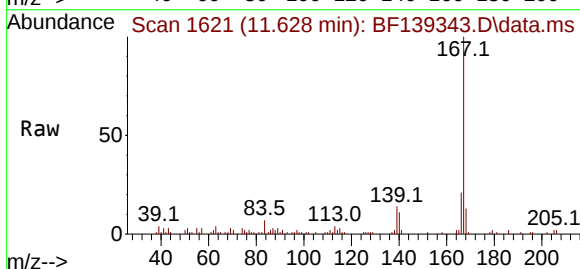
Tgt Ion:167 Resp: 35860

Ion Ratio Lower Upper

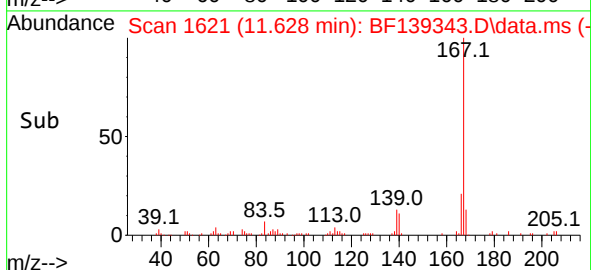
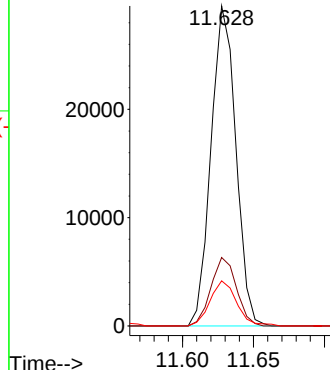
167 100

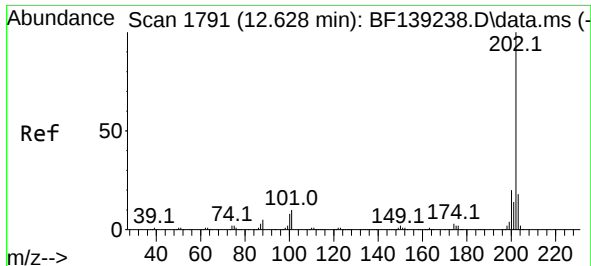
166 21.4 17.2 25.8

139 14.1 10.2 15.4



Abundance

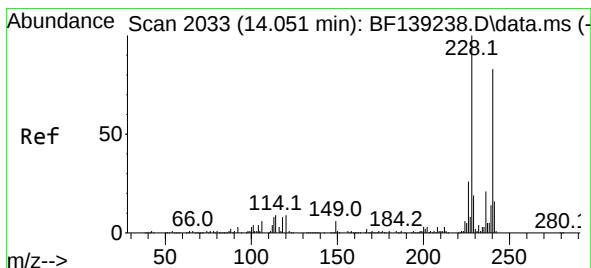
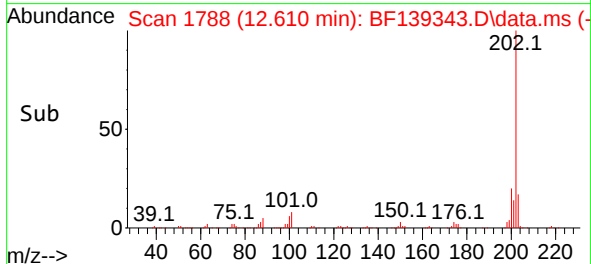
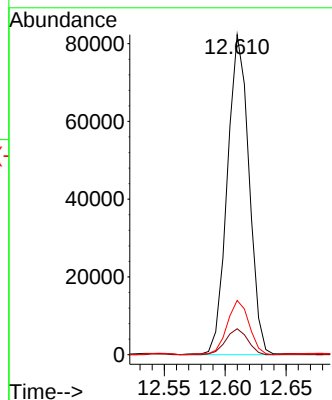
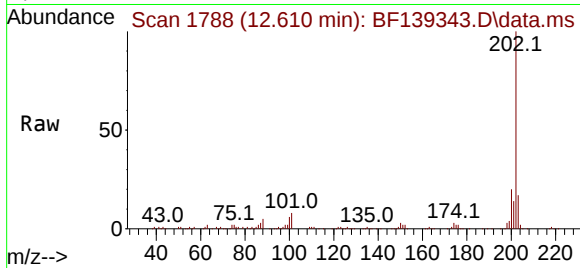




#75
Fluoranthene
Concen: 12.369 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

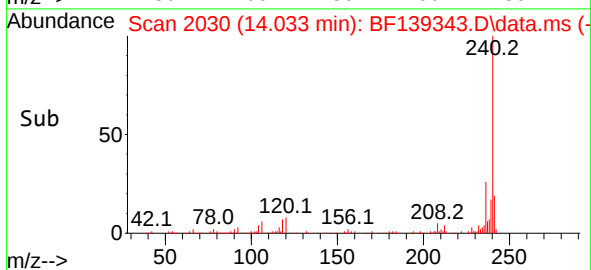
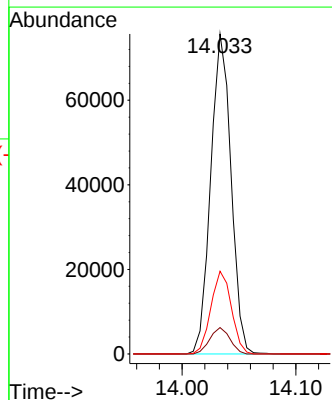
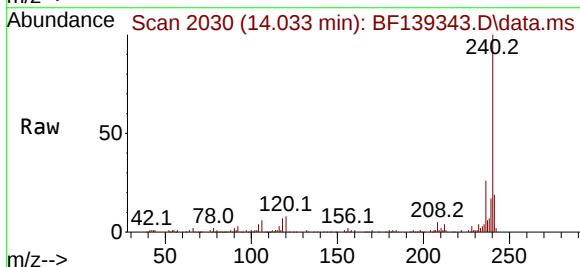
Instrument :
BNA_F
ClientSampleId :
282-COMPOSITE-1DL

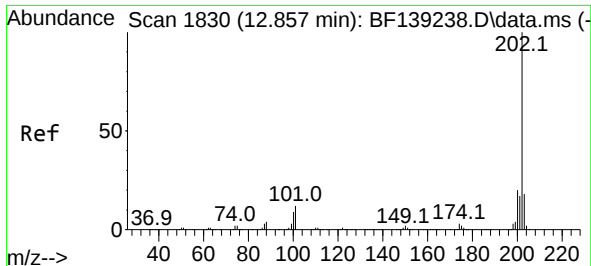
Tgt Ion:202 Resp: 101956
Ion Ratio Lower Upper
202 100
101 8.1 0.0 29.9
203 17.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF139343.D
Acq: 12 Sep 2024 17:17

Tgt Ion:240 Resp: 93961
Ion Ratio Lower Upper
240 100
120 8.3 8.6 12.8#
236 25.8 20.7 31.1

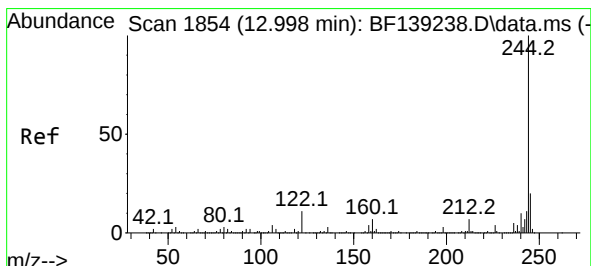
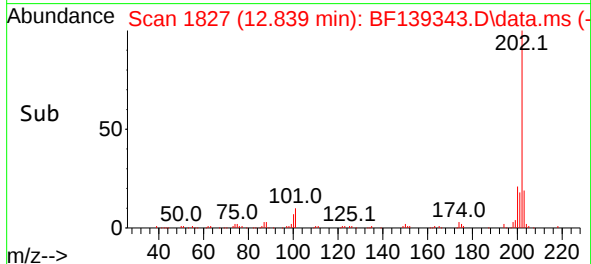
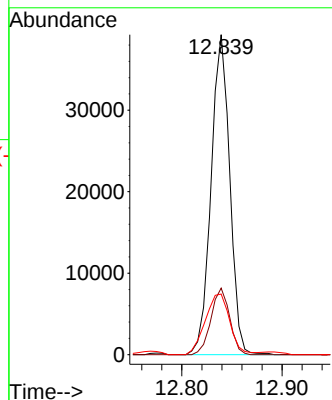
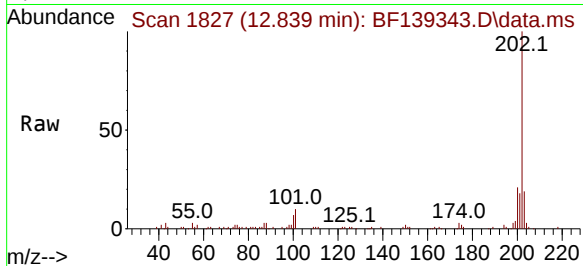




#78
 Pyrene
 Concen: 5.611 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

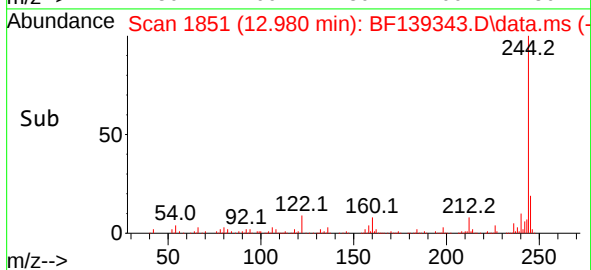
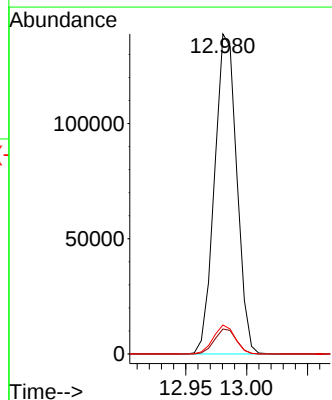
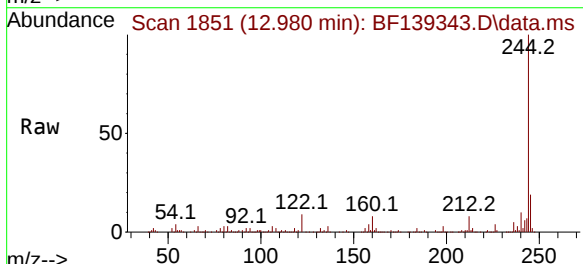
Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL

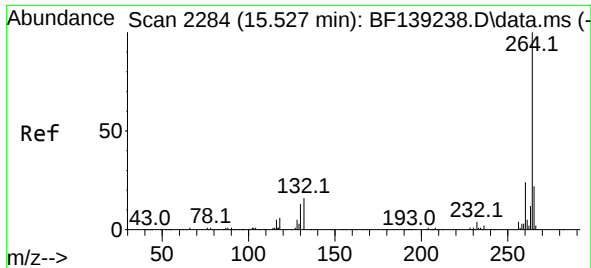
Tgt Ion:202 Resp: 50928
 Ion Ratio Lower Upper
 202 100
 200 20.8 15.8 23.8
 203 19.0 14.1 21.1



#79
 Terphenyl-d14
 Concen: 30.266 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.018 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

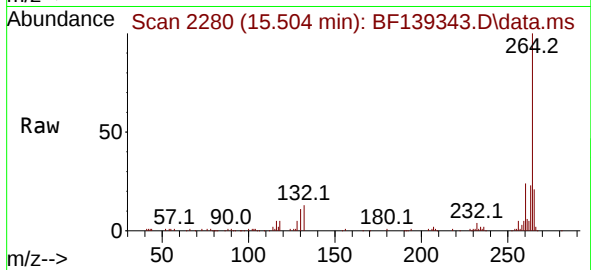
Tgt Ion:244 Resp: 176135
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 9.0 8.7 13.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF139343.D
 Acq: 12 Sep 2024 17:17

Instrument :
 BNA_F
 ClientSampleId :
 282-COMPOSITE-1DL



Tgt Ion:	264	Resp:	73005
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.8	28.2
265	21.0	17.3	25.9

