

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082824\
 Data File : BF139207.D
 Acq On : 28 Aug 2024 14:20
 Operator : RC/JU
 Sample : P3767-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5-COMPOSITE

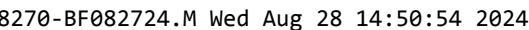
Quant Time: Aug 28 14:50:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

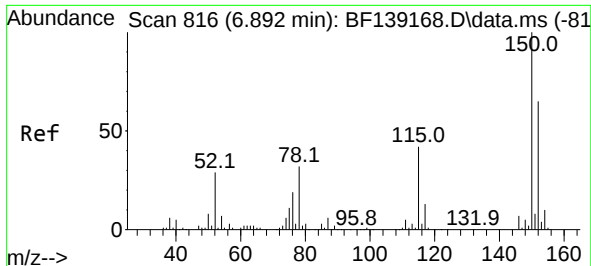
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	84219	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	318115	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	174944	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254267	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175144	20.000	ng	0.00
86) Perylene-d12	15.521	264	168948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	420452	83.890	ng	0.00
7) Phenol-d6	6.516	99	563474	81.918	ng	0.00
23) Nitrobenzene-d5	7.451	82	383639	66.811	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	119107	79.494	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	652160	57.906	ng	0.00
79) Terphenyl-d14	12.992	244	506540	45.127	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	52815	12.838	ng	# 77
24) Nitrobenzene	7.451	77	1348	3.443	ng	# 42
25) Isophorone	7.451	82	378871	33.365	ng	# 68
48) 2-Nitroaniline	9.245	65	1390	6.190	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	22287	14.384	ng	# 15
53) 3-Nitroaniline	10.022	138	836	4.781	ng	# 1
56) 4-Nitrophenol	10.127	139	603	5.465	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	22287	13.049	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	229	7.125	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8049	2.979	ng	# 1
71) Phenanthrene	11.433	178	40832	3.178	ng	97
75) Fluoranthene	12.621	202	72095	5.782	ng	99
77) Benzidine	12.992	184	6993	2.366	ng	# 93
78) Pyrene	12.851	202	66990	4.072	ng	99
80) Butylbenzylphthalate	13.468	149	1968	5.005	ng	# 78
81) Benzo(a)anthracene	14.033	228	38706	3.335	ng	94
83) Chrysene	14.068	228	36288	3.467	ng	96
84) Bis(2-ethylhexyl)phtha...	14.033	149	8304	5.764	ng	98
85) Di-n-octyl phthalate	14.651	149	1419	9.101	ng	# 67
88) Benzo(b)fluoranthene	15.086	252	63758	6.451	ng	# 96
89) Benzo(k)fluoranthene	15.086	252	63758	7.136	ng	# 95
90) Benzo(a)pyrene	15.457	252	29928	3.568	ng	96

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

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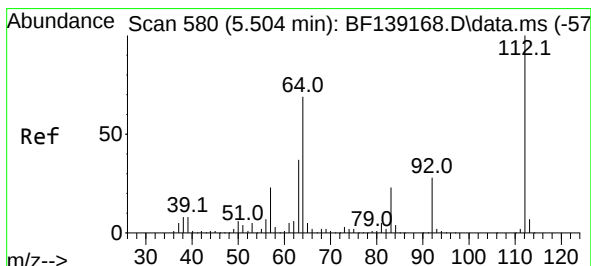
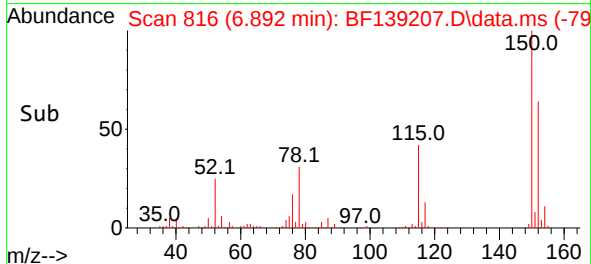
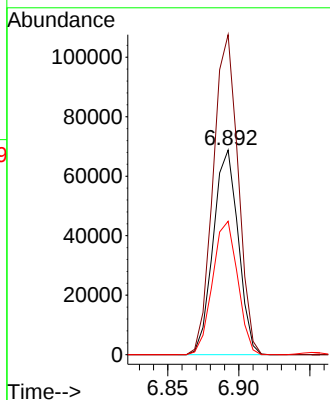
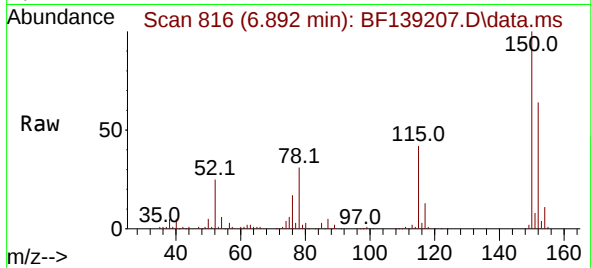




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

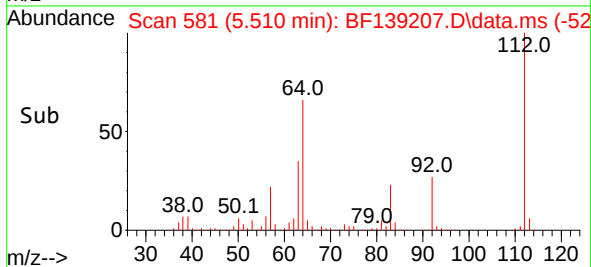
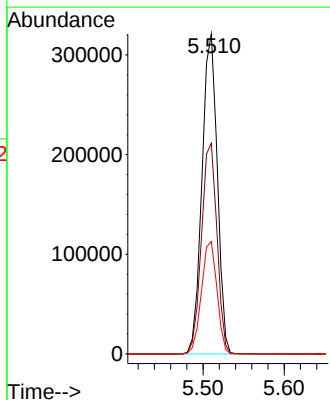
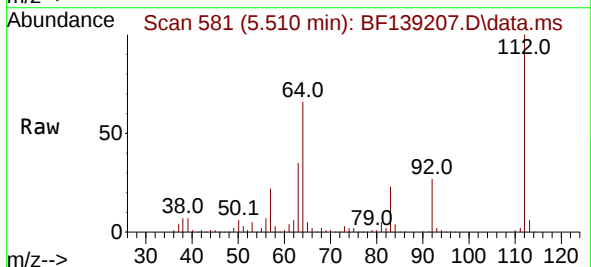
Instrument :
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 ClientSampleId :
 P-5-COMPOSITE

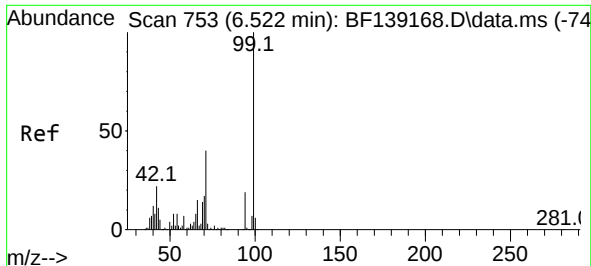
Tgt Ion:152 Resp: 84219
 Ion Ratio Lower Upper
 152 100
 150 156.4 123.7 185.5
 115 65.2 51.8 77.8



#5
 2-Fluorophenol
 Concen: 83.890 ng
 RT: 5.510 min Scan# 581
 Delta R.T. 0.006 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

Tgt Ion:112 Resp: 420452
 Ion Ratio Lower Upper
 112 100
 64 65.9 55.5 83.3
 63 35.2 29.8 44.6

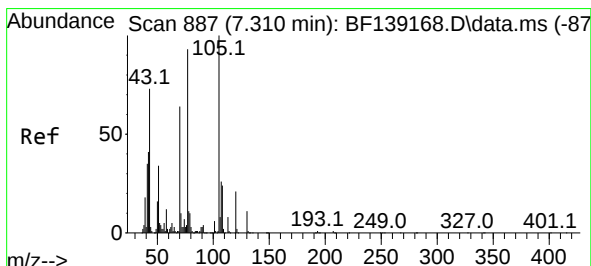
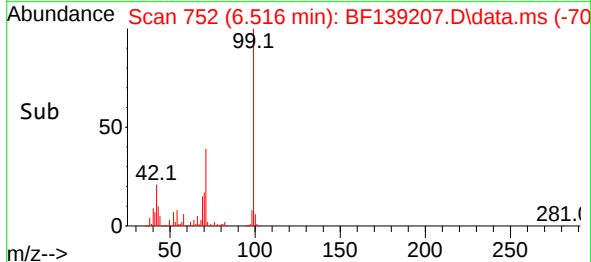
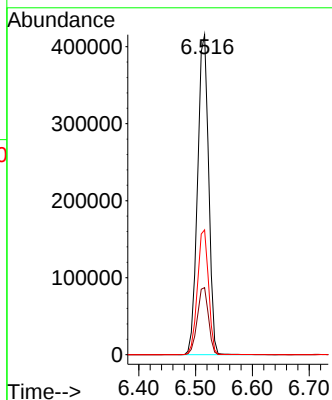
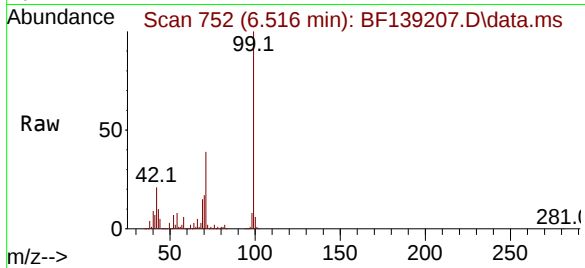




#7
Phenol-d6
Concen: 81.918 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

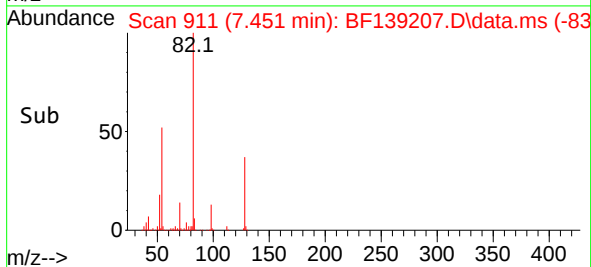
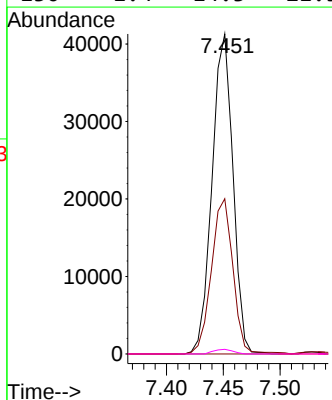
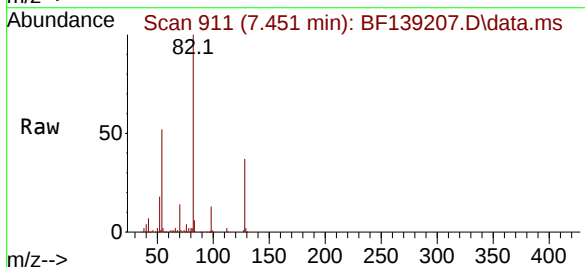
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

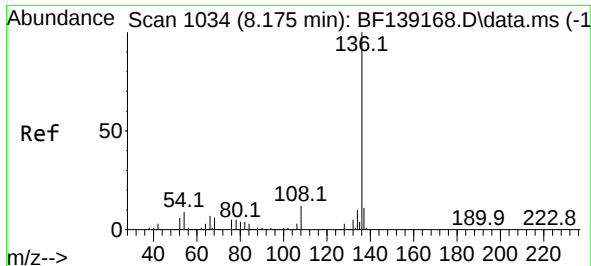
Tgt Ion: 99 Resp: 563474
Ion Ratio Lower Upper
99 100
42 20.9 17.9 26.9
71 39.0 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.838 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion: 70 Resp: 52815
Ion Ratio Lower Upper
70 100
42 48.5 50.8 76.2#
101 0.0 7.4 11.0#
130 1.4 14.3 21.5#

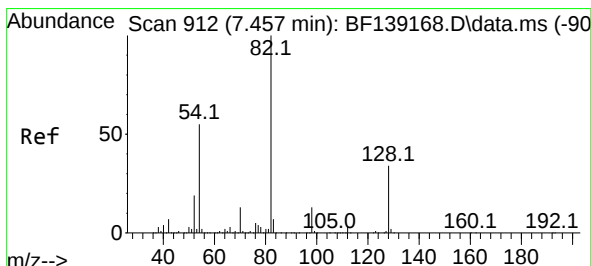
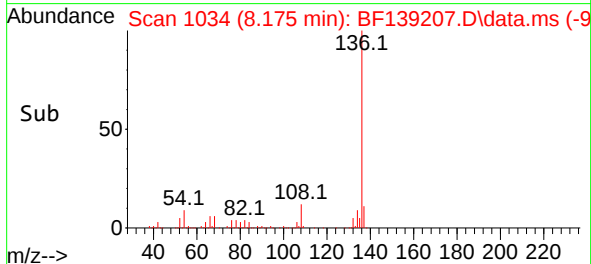
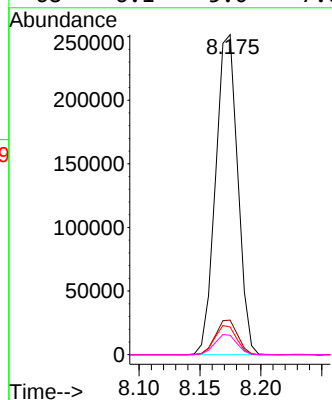
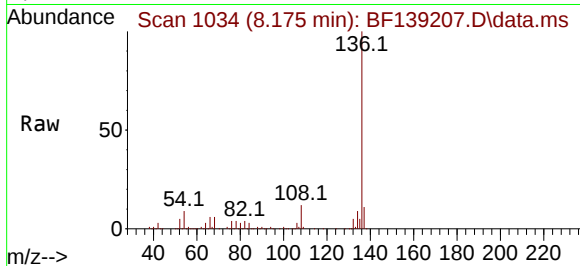




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

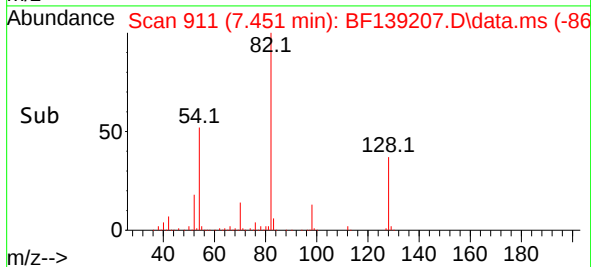
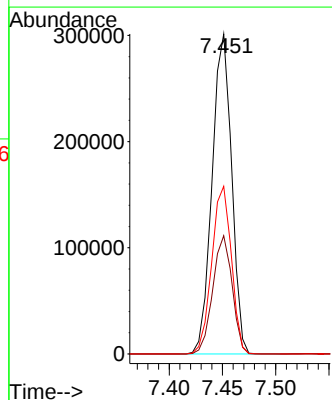
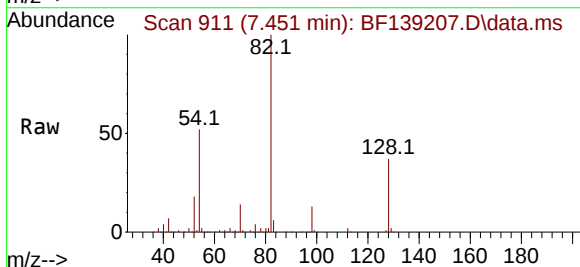
Instrument :
BNA_F
ClientSampleId :
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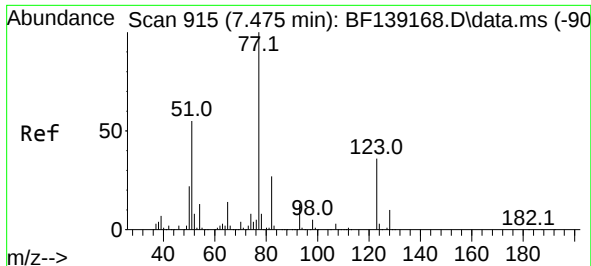
Tgt Ion:	136	Resp:	318115
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.6	7.6	11.4
68	6.1	5.0	7.6



#23
Nitrobenzene-d5
Concen: 66.811 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:	82	Resp:	383639
Ion	Ratio	Lower	Upper
82	100		
128	37.0	27.1	40.7
54	52.4	44.2	66.4

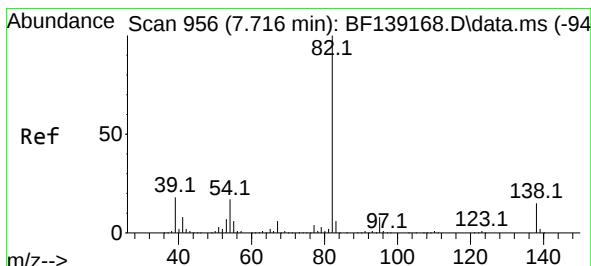
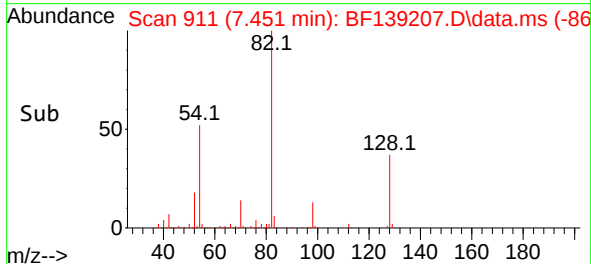
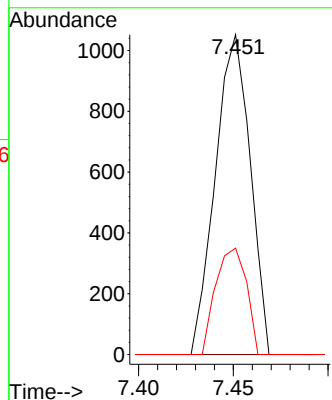
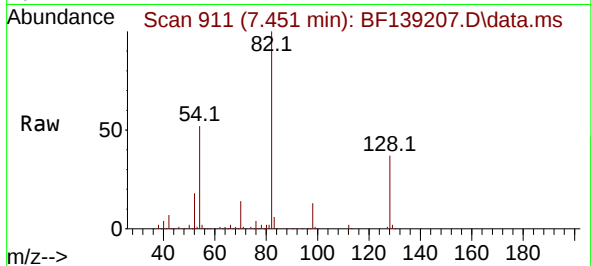




#24
Nitrobenzene
Concen: 3.443 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.024 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

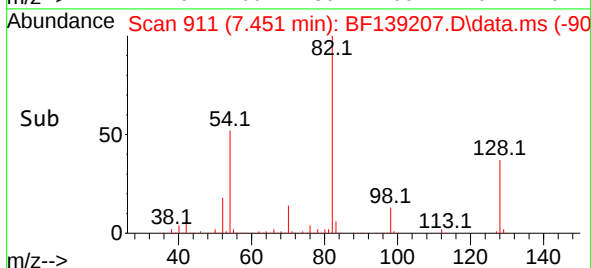
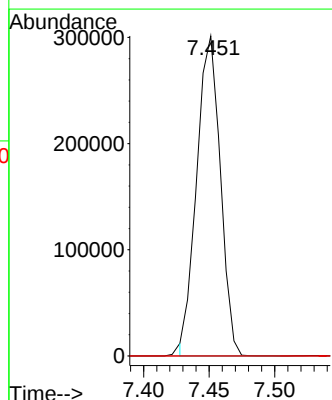
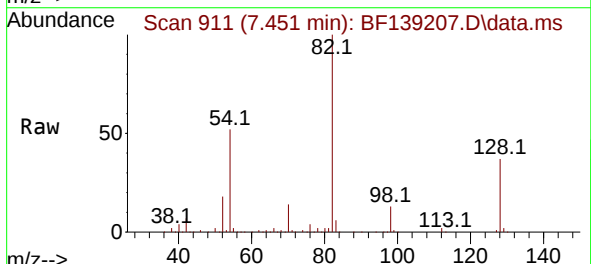
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

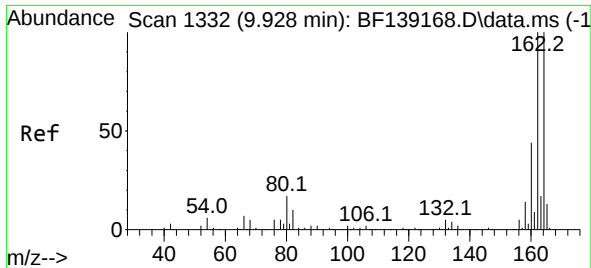
Tgt Ion: 77 Resp: 1348
Ion Ratio Lower Upper
77 100
123 0.0 28.7 43.1#
65 33.3 10.9 16.3#



#25
Isophorone
Concen: 33.365 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion: 82 Resp: 378871
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 12.2 18.4#

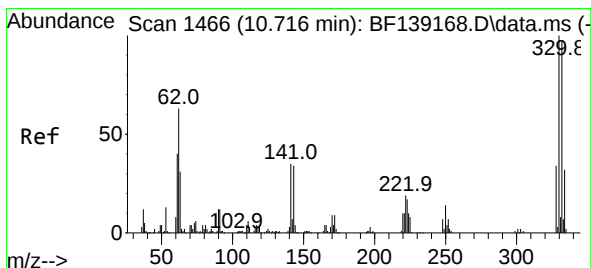
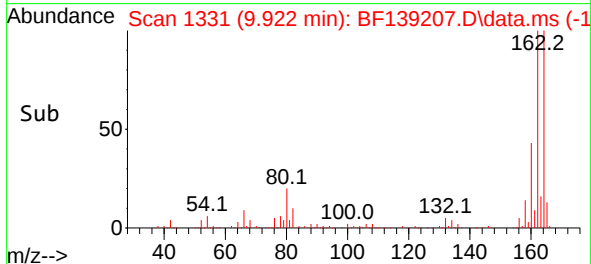
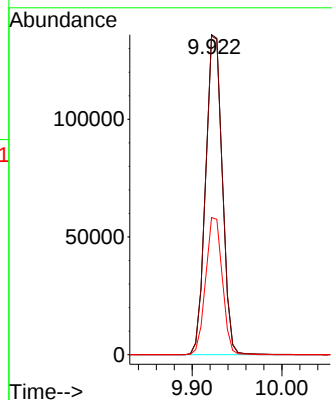
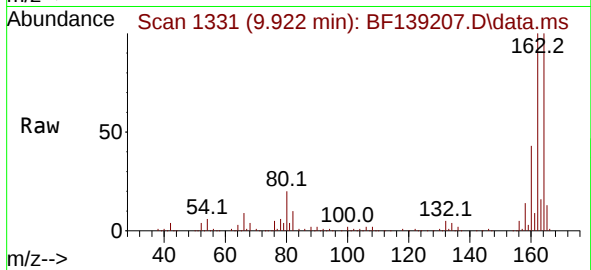




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

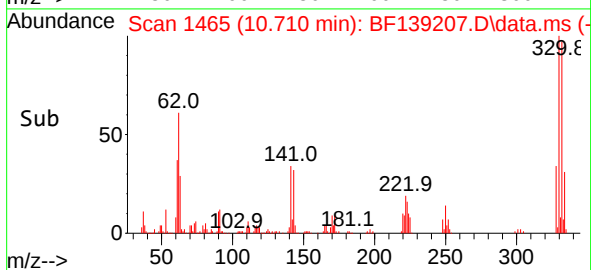
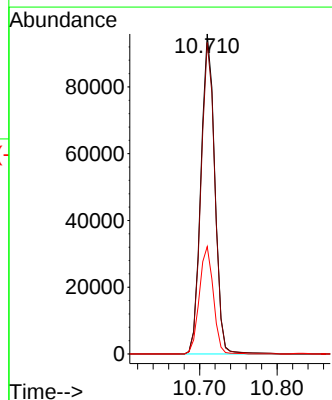
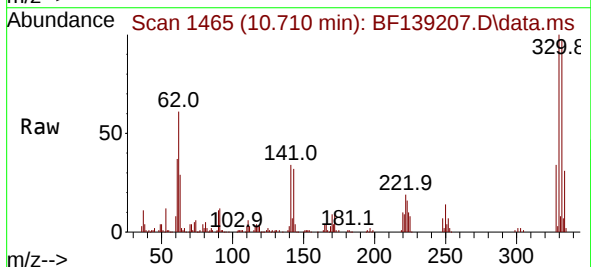
Instrument :
BNA_F
ClientSampleId :
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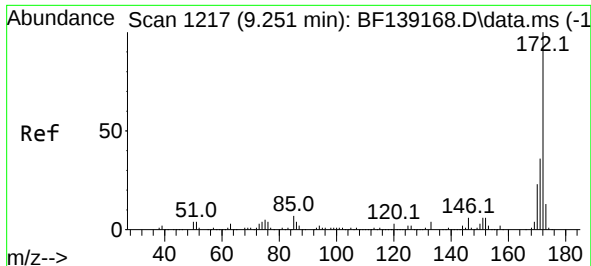
Tgt Ion:164 Resp: 174944
Ion Ratio Lower Upper
164 100
162 99.6 80.0 120.0
160 42.8 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 79.494 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:330 Resp: 119107
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 33.7 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 57.906 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

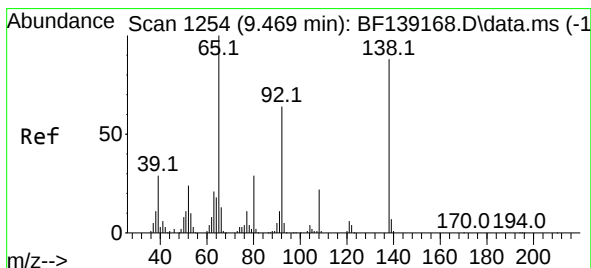
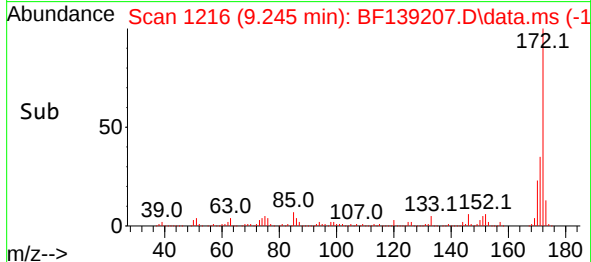
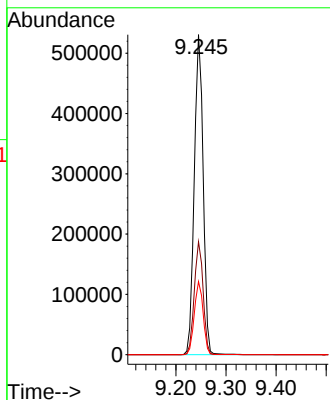
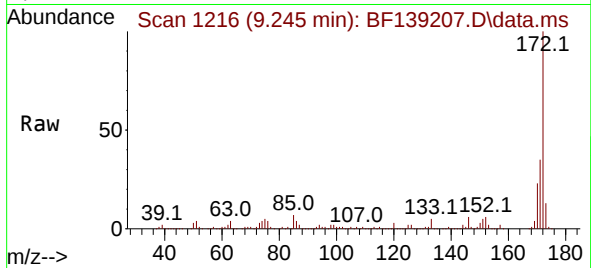
Tgt Ion:172 Resp: 652160

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 22.9 18.8 28.2



#48

2-Nitroaniline

Concen: 6.190 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.224 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

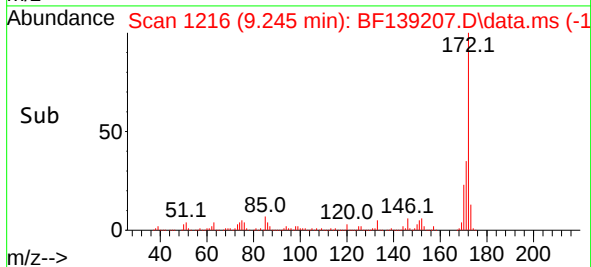
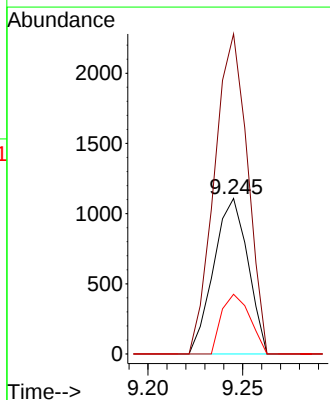
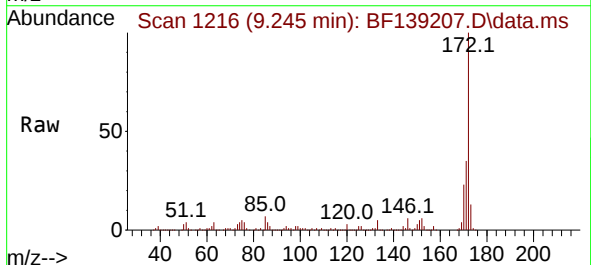
Tgt Ion: 65 Resp: 1390

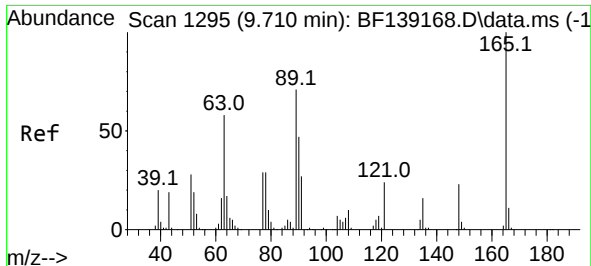
Ion Ratio Lower Upper

65 100

92 205.8 51.2 76.8#

138 38.4 70.0 105.0#

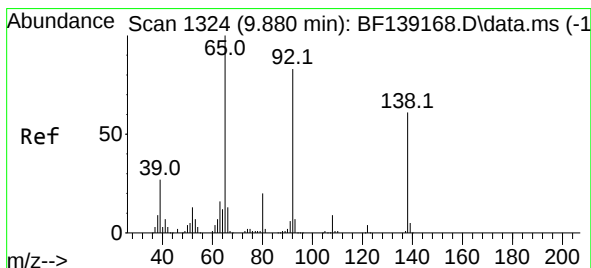
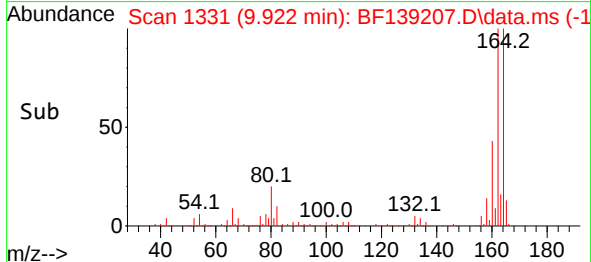
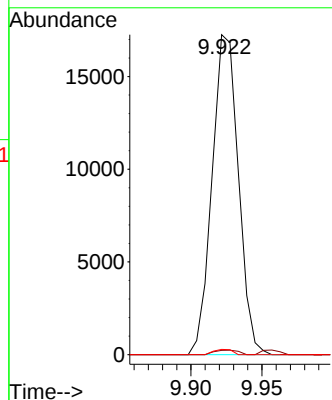
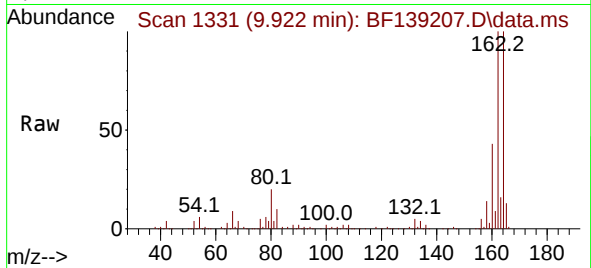




#51
2,6-Dinitrotoluene
Concen: 14.384 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

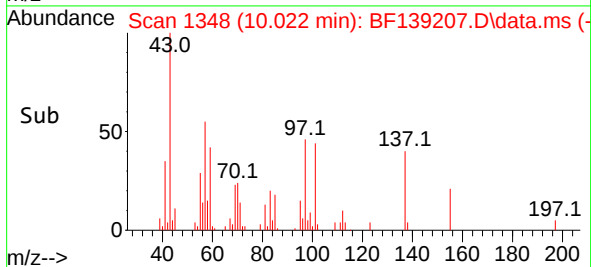
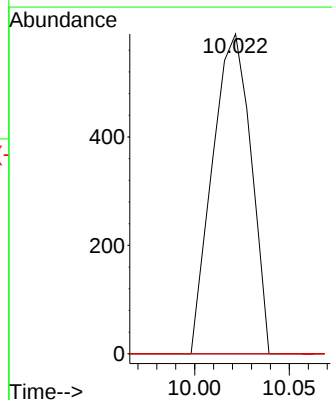
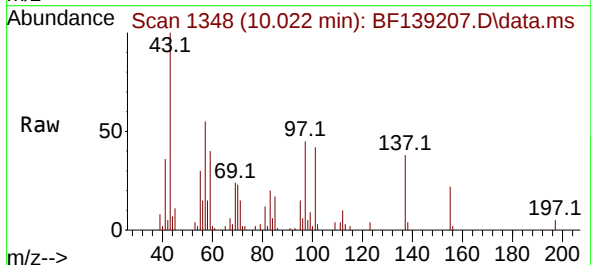
Instrument :
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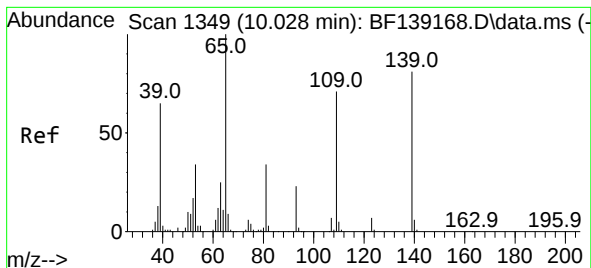
Tgt Ion:165 Resp: 22287
Ion Ratio Lower Upper
165 100
63 1.3 60.1 90.1#
89 1.7 57.0 85.6#



#53
3-Nitroaniline
Concen: 4.781 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.142 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:138 Resp: 836
Ion Ratio Lower Upper
138 100
108 0.0 11.8 17.6#
92 0.0 108.2 162.2#

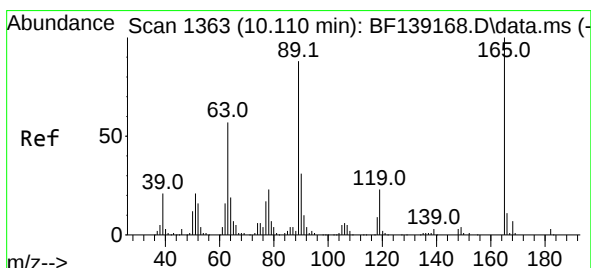
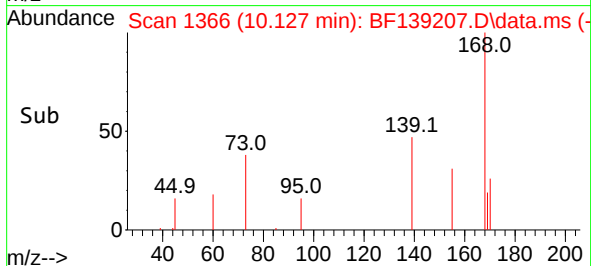
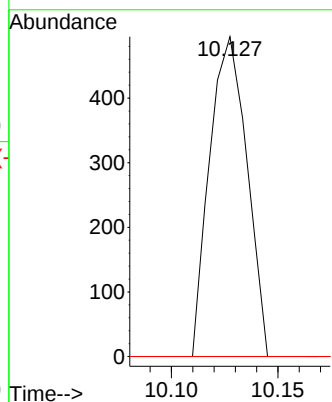
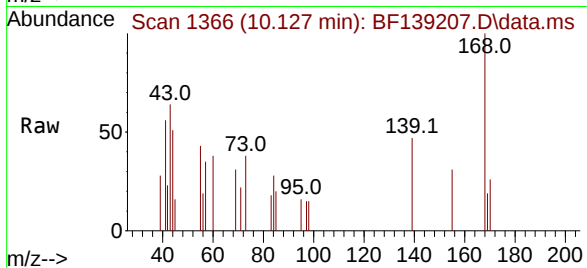




#56
4-Nitrophenol
Concen: 5.465 ng
RT: 10.127 min Scan# 11
Delta R.T. 0.099 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

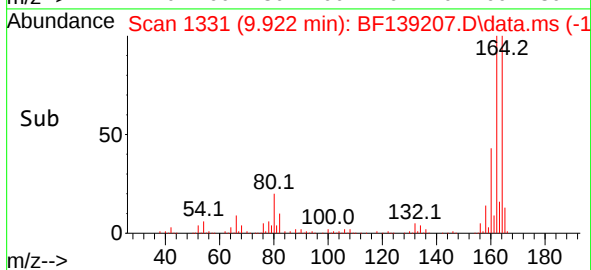
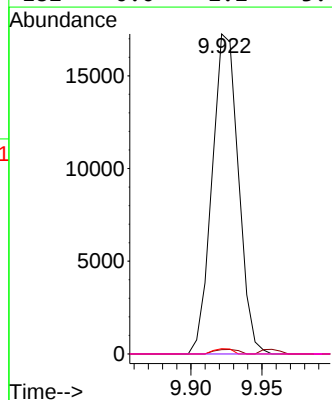
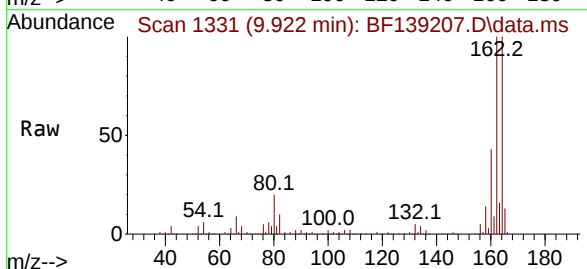
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

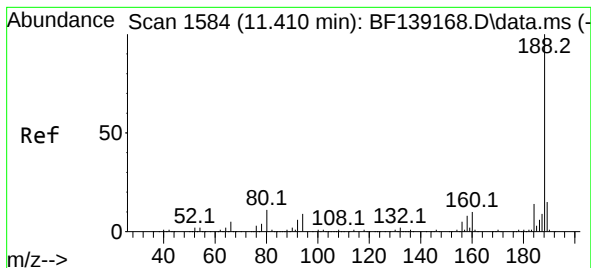
Tgt Ion:139 Resp: 603
Ion Ratio Lower Upper
139 100
109 0.0 68.2 108.2#
65 0.0 104.7 144.7#



#57
2,4-Dinitrotoluene
Concen: 13.049 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:165 Resp: 22287
Ion Ratio Lower Upper
165 100
63 1.3 46.2 69.2#
89 1.7 70.2 105.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

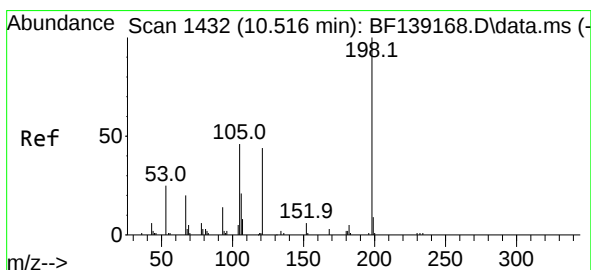
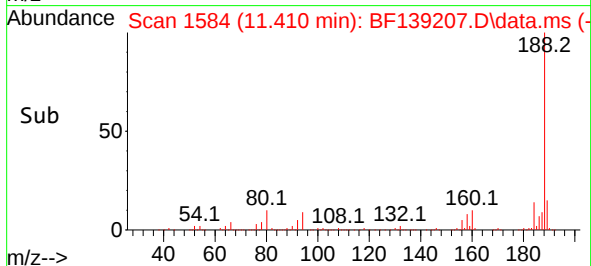
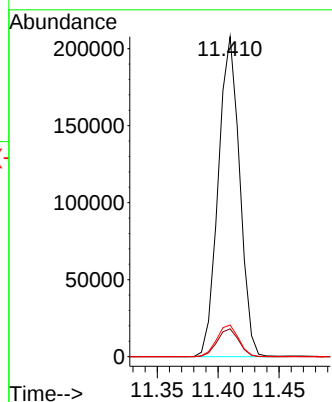
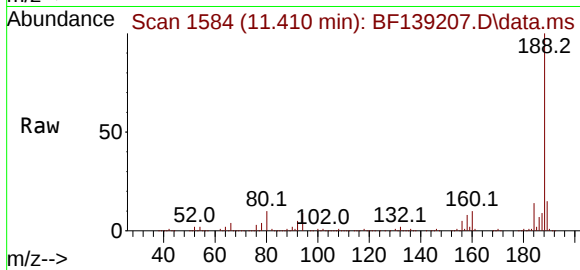
Tgt Ion:188 Resp: 254267

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.9 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 7.125 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.194 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

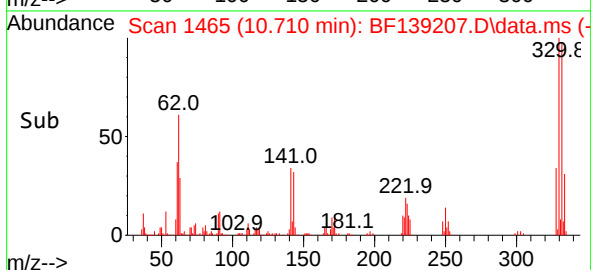
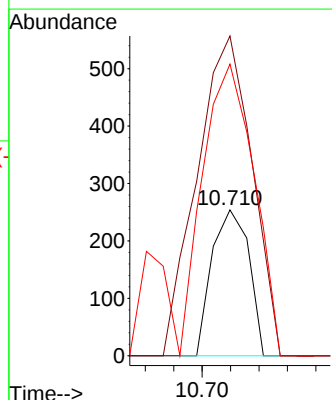
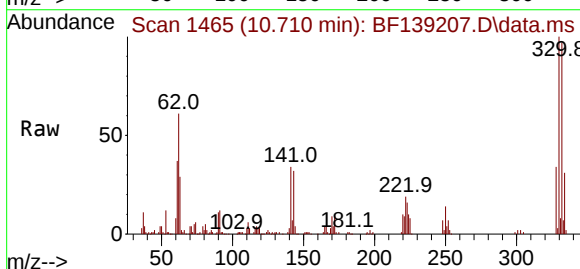
Tgt Ion:198 Resp: 229

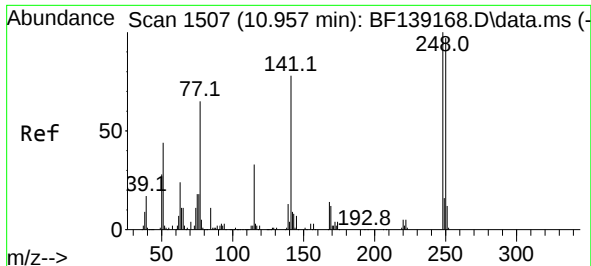
Ion Ratio Lower Upper

198 100

51 219.3 39.2 79.2#

105 200.0 29.3 69.3#

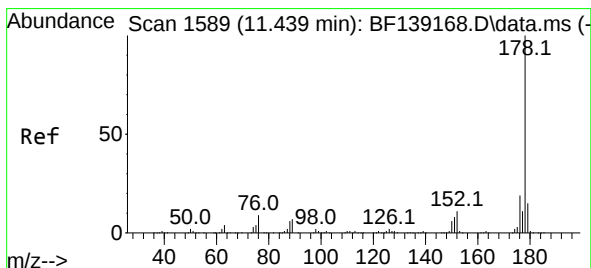
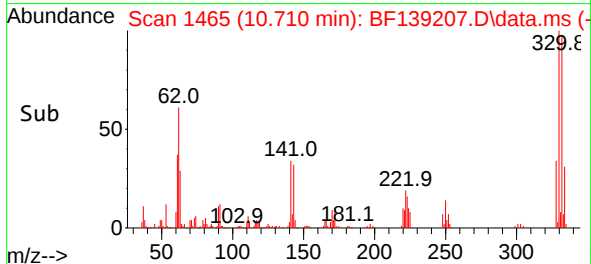
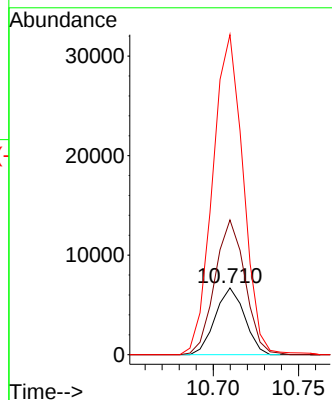
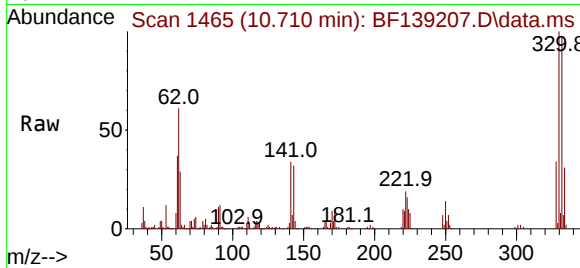




#67
4-Bromophenyl-phenylether
Concen: 2.979 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

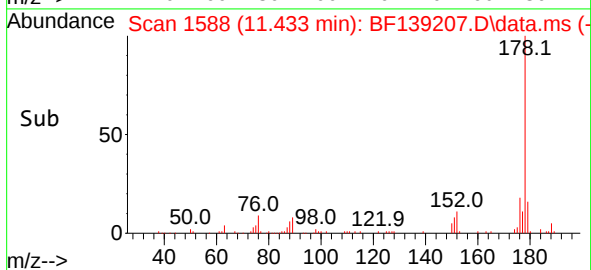
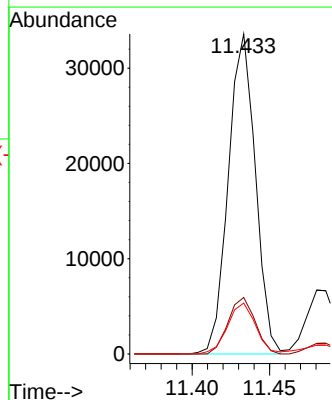
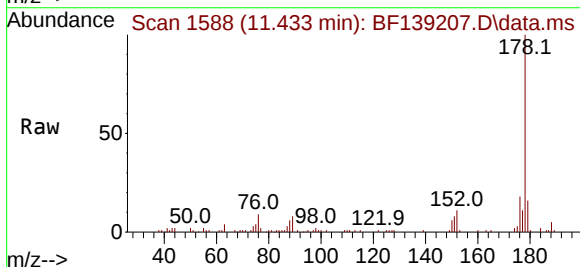
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

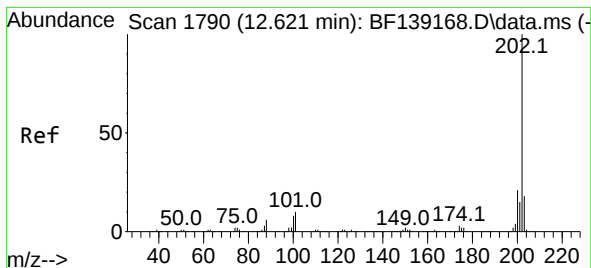
Tgt Ion:248 Resp: 8049
Ion Ratio Lower Upper
248 100
250 201.8 78.0 117.0#
141 479.2 62.6 94.0#



#71
Phenanthrene
Concen: 3.178 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:178 Resp: 40832
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 5.782 ng

RT: 12.621 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

P-5-COMPOSITE

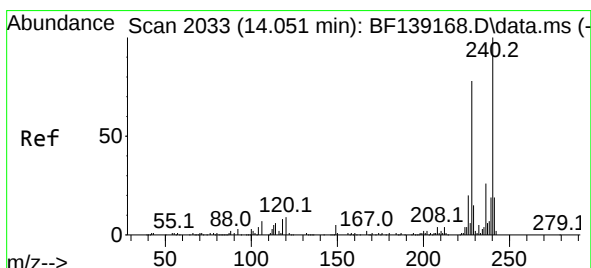
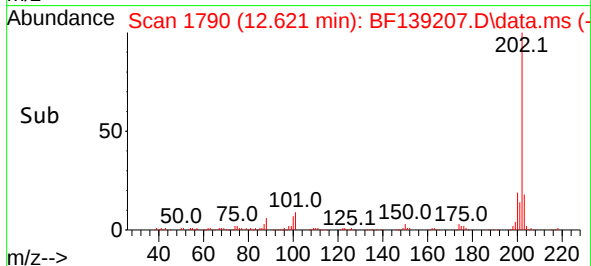
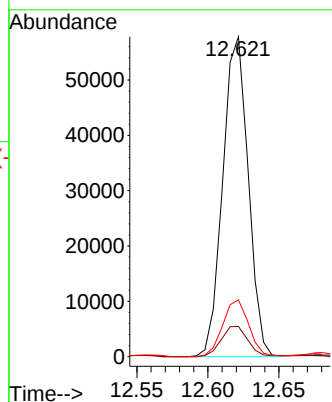
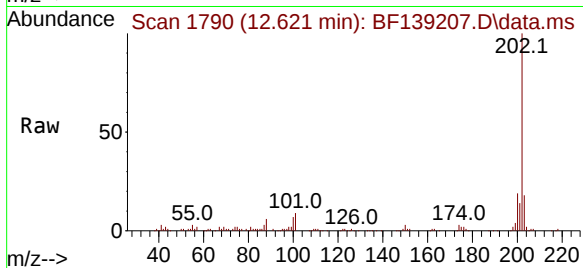
Tgt Ion:202 Resp: 72095

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.1

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139207.D

Acq: 28 Aug 2024 14:20

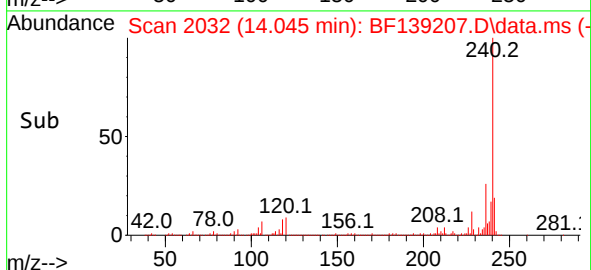
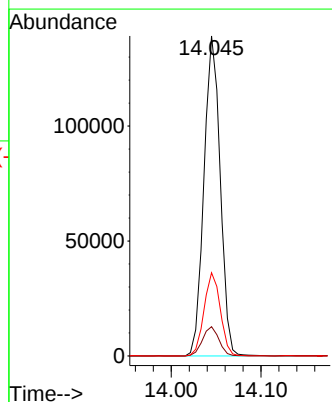
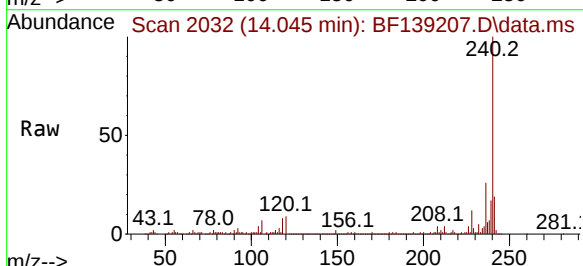
Tgt Ion:240 Resp: 175144

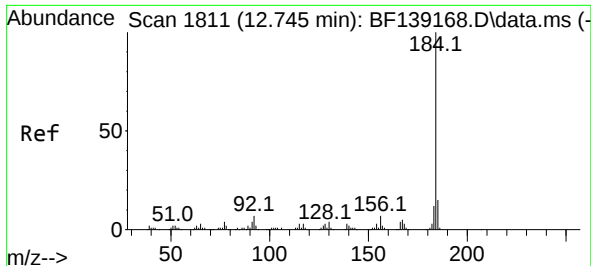
Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

236 26.0 20.9 31.3

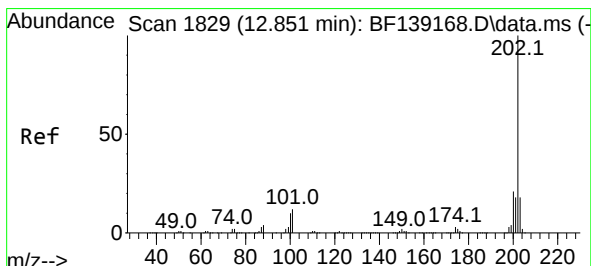
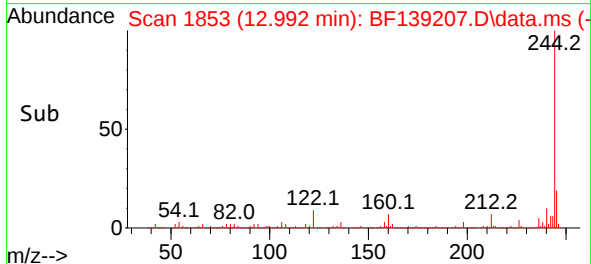
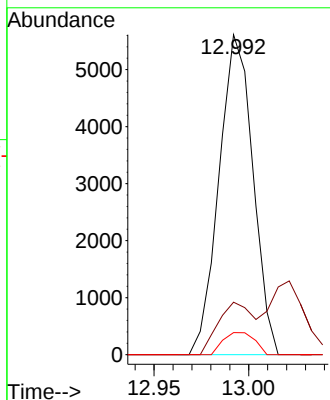
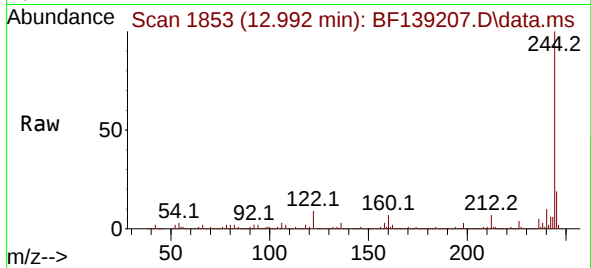




#77
Benzidine
Concen: 2.366 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

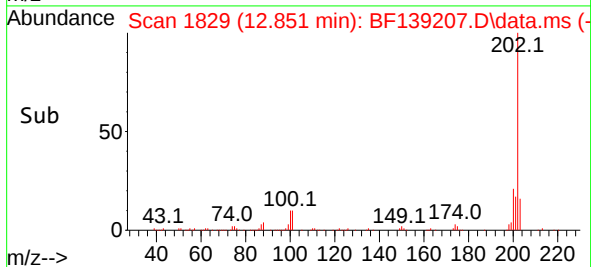
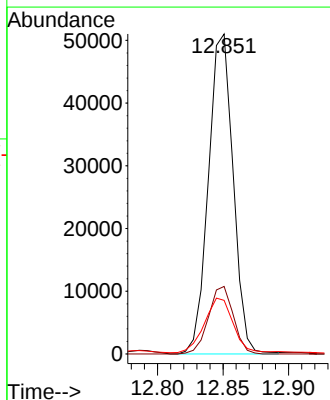
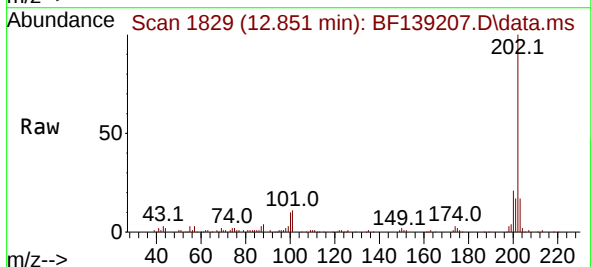
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

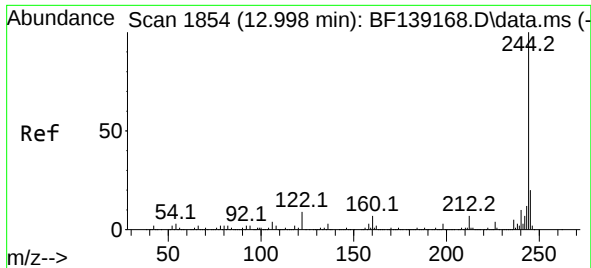
Tgt Ion:184 Resp: 6993
Ion Ratio Lower Upper
184 100
185 16.4 12.1 18.1
183 6.9 9.4 14.0#



#78
Pyrene
Concen: 4.072 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:202 Resp: 66990
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 16.7 14.1 21.1

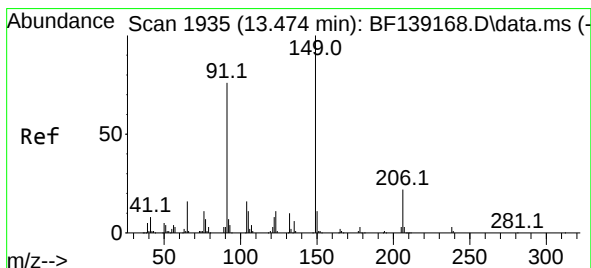
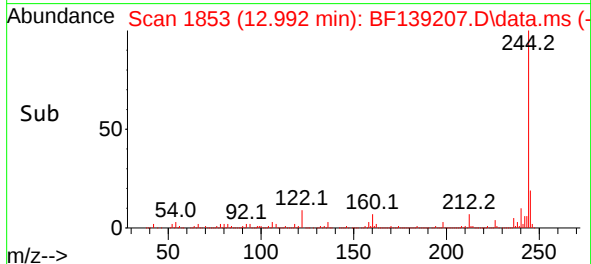
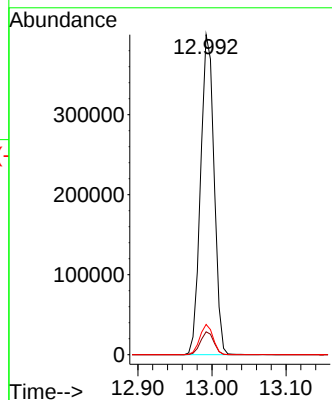
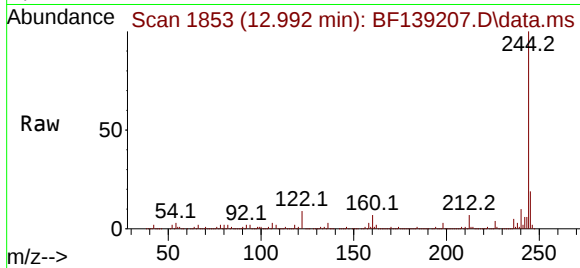




#79
 Terphenyl-d14
 Concen: 45.127 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

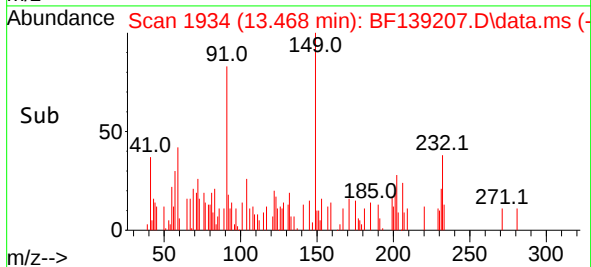
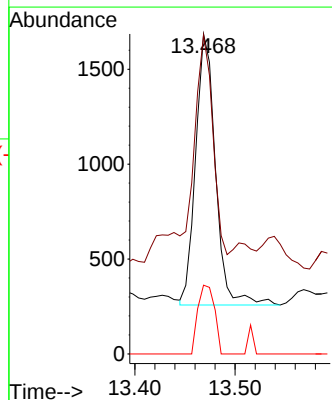
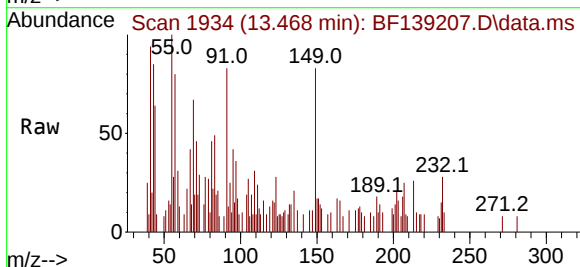
Instrument :
 BNA_F
 ClientSampleId :
 P-5-COMPOSITE

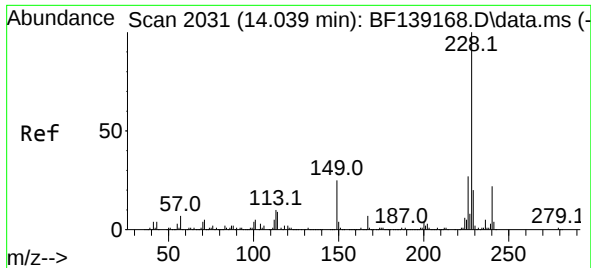
Tgt Ion:244 Resp: 506540
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.5 7.6 11.4



#80
 Butylbenzylphthalate
 Concen: 5.005 ng
 RT: 13.468 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

Tgt Ion:149 Resp: 1968
 Ion Ratio Lower Upper
 149 100
 91 99.7 60.9 91.3#
 206 21.5 17.7 26.5

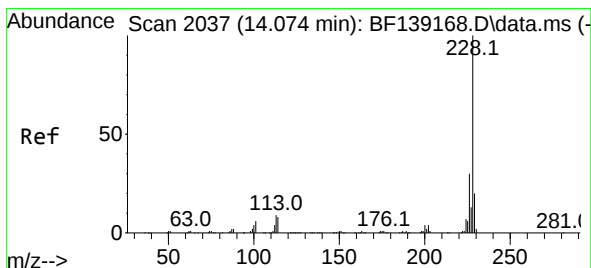
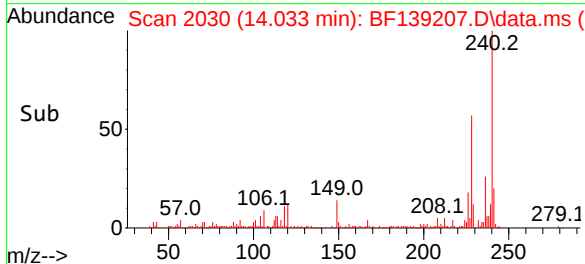
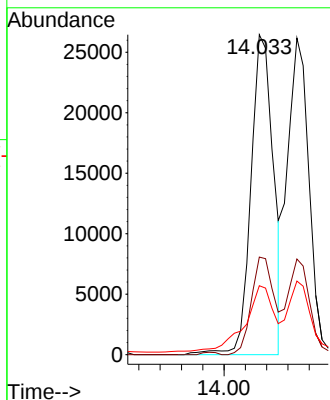
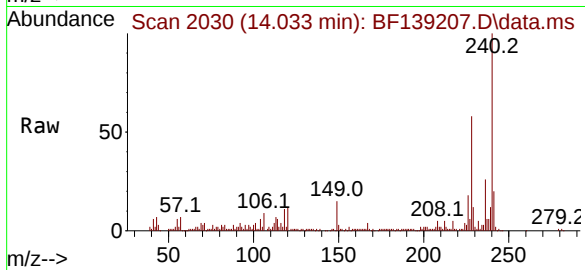




#81
Benzo(a)anthracene
Concen: 3.335 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

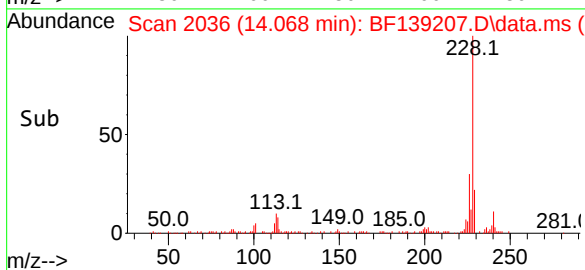
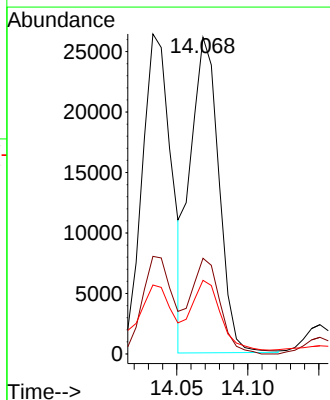
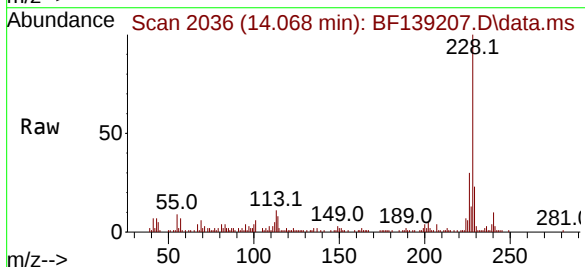
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

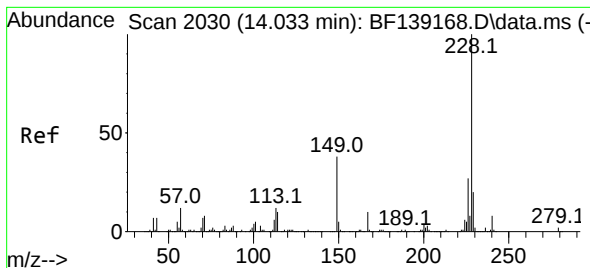
Tgt Ion:228 Resp: 38706
Ion Ratio Lower Upper
228 100
226 30.5 21.4 32.2
229 21.6 15.7 23.5



#83
Chrysene
Concen: 3.467 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:228 Resp: 36288
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 23.3 15.8 23.6

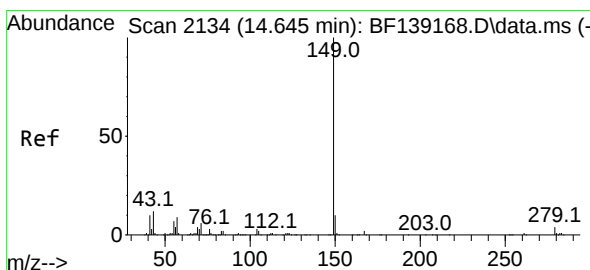
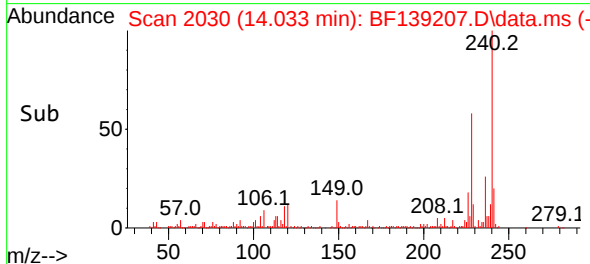
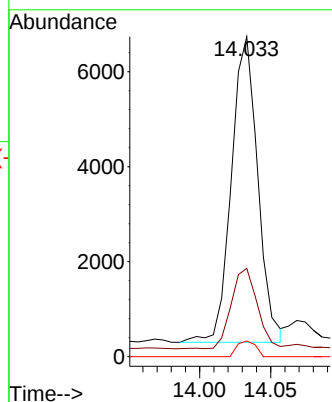
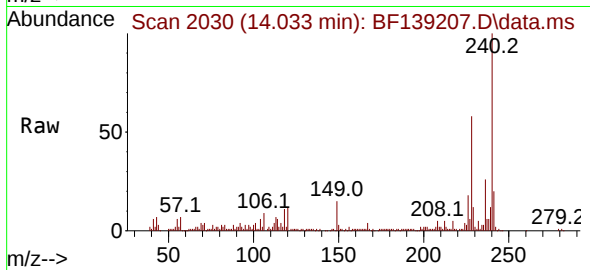




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.764 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

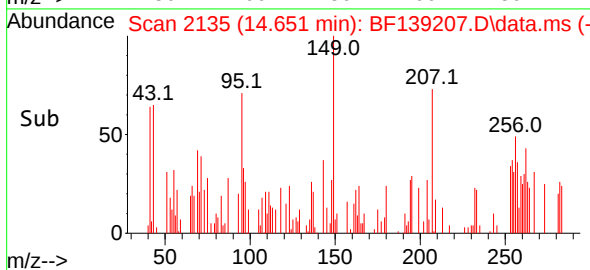
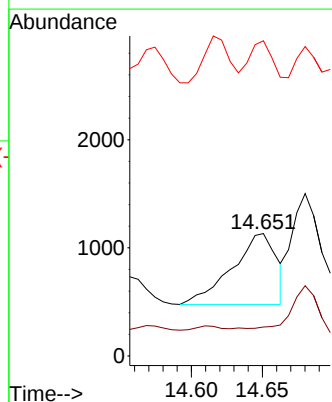
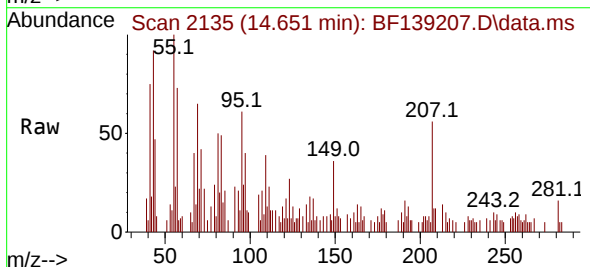
Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

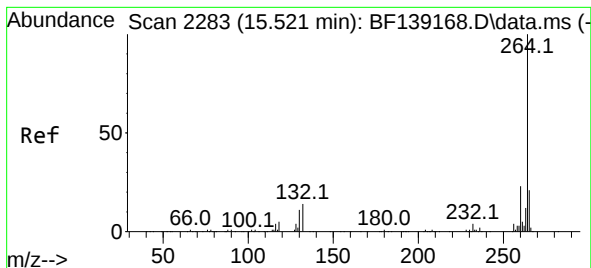
Tgt Ion:	149	Resp:	8304
Ion Ratio	Lower	Upper	
149	100		
167	27.6	21.3	31.9
279	4.9	3.4	5.0



#85
Di-n-octyl phthalate
Concen: 9.101 ng
RT: 14.651 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:	149	Resp:	1419
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.3	1.9#
43	26.7	9.9	14.9#

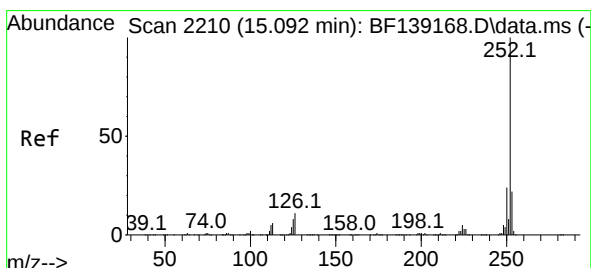
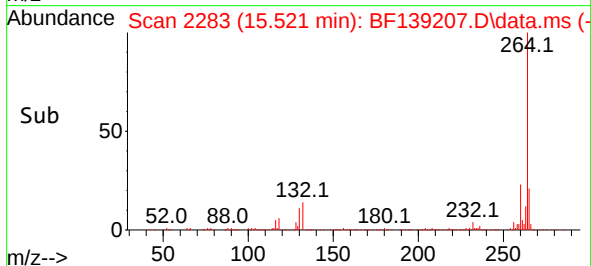
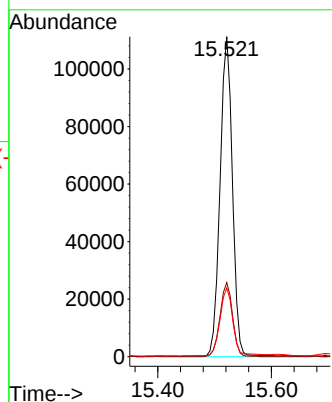
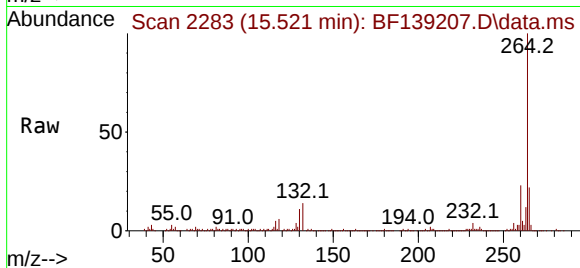




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

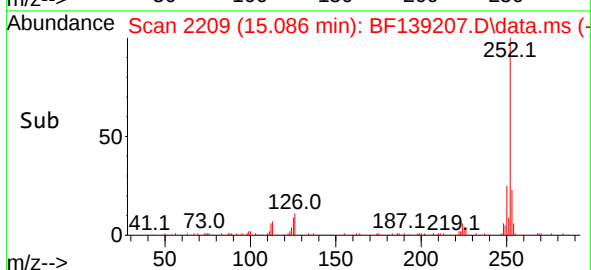
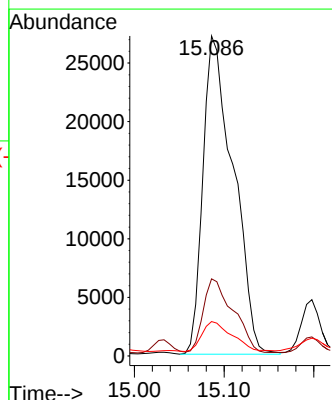
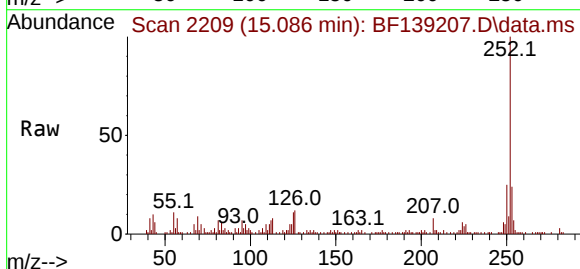
Instrument :
 BNA_F
 ClientSampleId :
 P-5-COMPOSITE

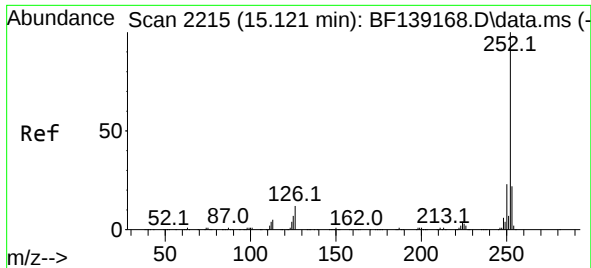
Tgt Ion:264 Resp: 168948
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.3 27.5
 265 21.5 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 6.451 ng
 RT: 15.086 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: BF139207.D
 Acq: 28 Aug 2024 14:20

Tgt Ion:252 Resp: 63758
 Ion Ratio Lower Upper
 252 100
 253 24.1 18.0 27.0
 125 10.8 6.7 10.1#

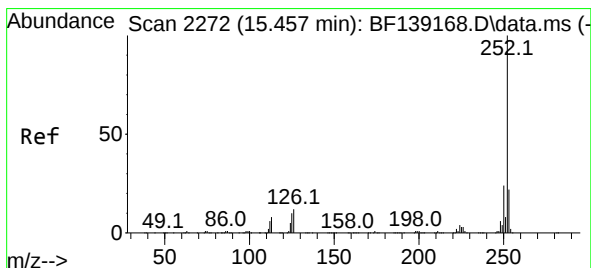
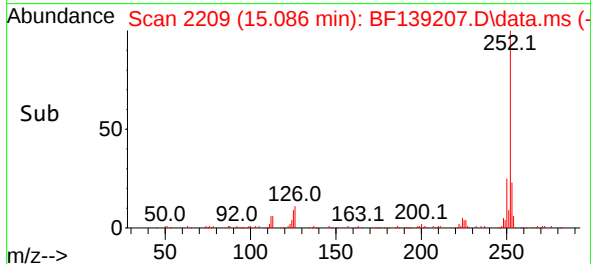
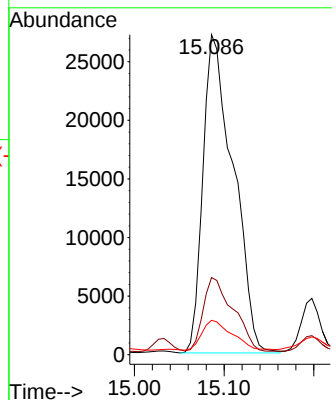
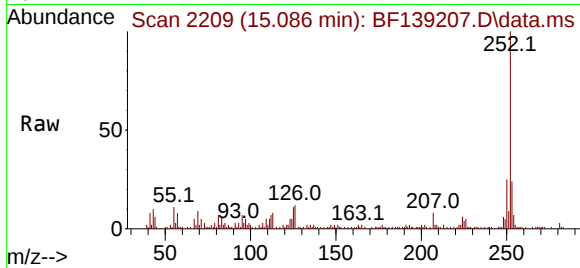




#89
Benzo(k)fluoranthene
Concen: 7.136 ng
RT: 15.086 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Instrument :
BNA_F
ClientSampleId :
P-5-COMPOSITE

Tgt Ion:252 Resp: 63758
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 10.8 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 3.568 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF139207.D
Acq: 28 Aug 2024 14:20

Tgt Ion:252 Resp: 29928
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 10.8 7.8 11.6

