

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139108.D
 Acq On : 21 Aug 2024 18:20
 Operator : RC/JU
 Sample : P3663-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

Quant Time: Aug 22 00:56:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

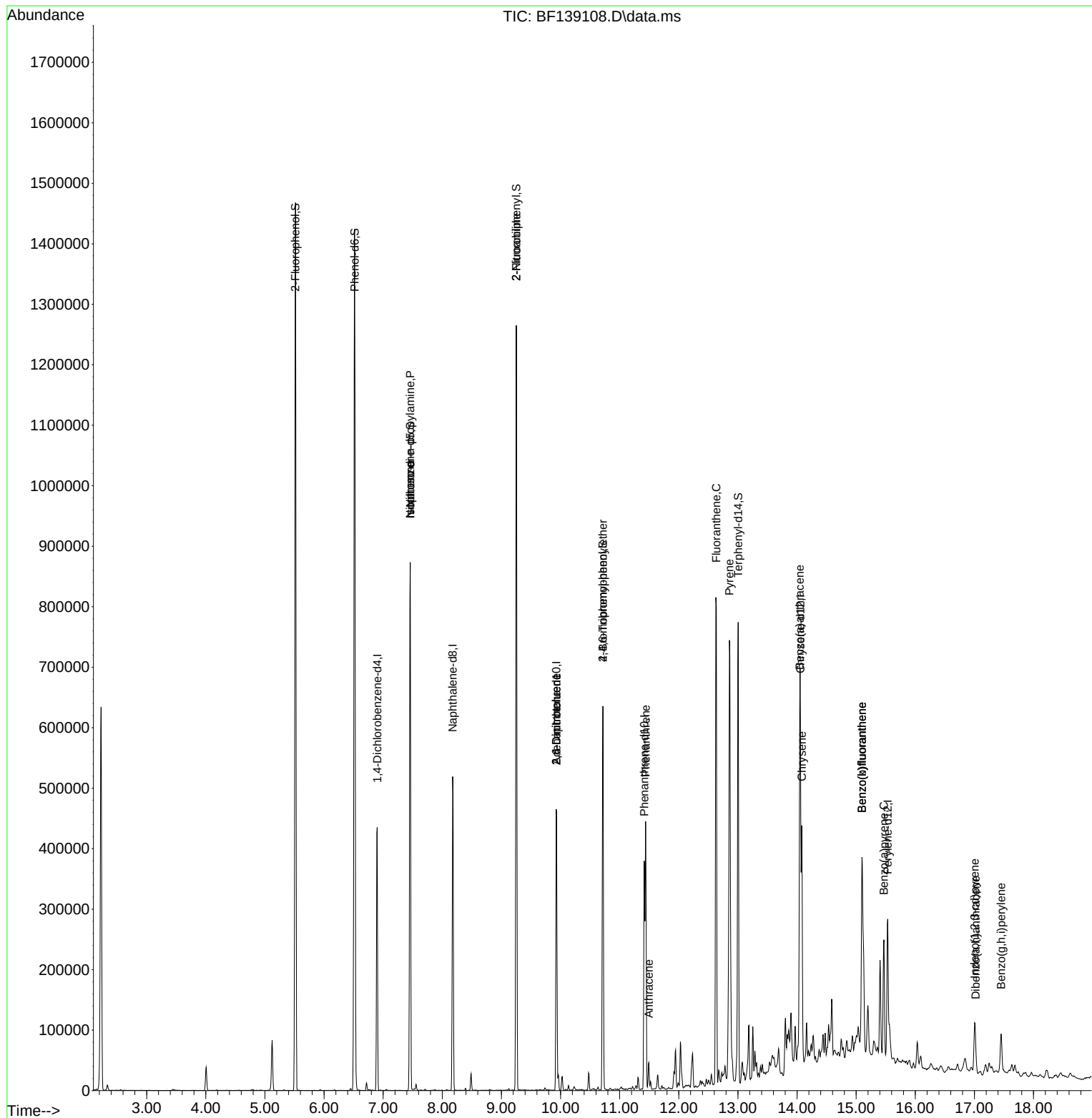
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	84839	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	298493	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	138496	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	188123	20.000	ng	0.00
76) Chrysene-d12	14.057	240	170516	20.000	ng	0.00
86) Perylene-d12	15.533	264	130898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	493442	89.484	ng	0.00
7) Phenol-d6	6.516	99	631002	88.559	ng	0.00
23) Nitrobenzene-d5	7.457	82	386934	75.535	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	92099	73.457	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	506607	58.037	ng	0.00
79) Terphenyl-d14	13.004	244	345880	33.658	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	53389	11.410	ng	# 79
25) Isophorone	7.457	82	386926	35.537	ng	# 69
48) 2-Nitroaniline	9.251	65	1049	6.076	ng	# 1
51) 2,6-Dinitrotoluene	9.928	165	17251	13.629	ng	# 17
57) 2,4-Dinitrotoluene	9.928	165	17251	12.642	ng	# 17
67) 4-Bromophenyl-phenylether	10.716	248	6652	3.337	ng	# 1
71) Phenanthrene	11.439	178	220310	23.040	ng	99
72) Anthracene	11.492	178	26213	2.803	ng	99
75) Fluoranthene	12.633	202	453663	44.452	ng	99
78) Pyrene	12.857	202	362062	25.444	ng	98
81) Benzo(a)anthracene	14.045	228	185194	16.522	ng	100
83) Chrysene	14.080	228	191242	18.823	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	61567	8.037	ng	96
88) Benzo(b)fluoranthene	15.098	252	269722	31.607	ng	99
89) Benzo(k)fluoranthene	15.098	252	269722	37.949	ng	99
90) Benzo(a)pyrene	15.468	252	114434	16.971	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	14710	2.339	ng	96
92) Benzo(g,h,i)perylene	17.451	276	59538	10.599	ng	98

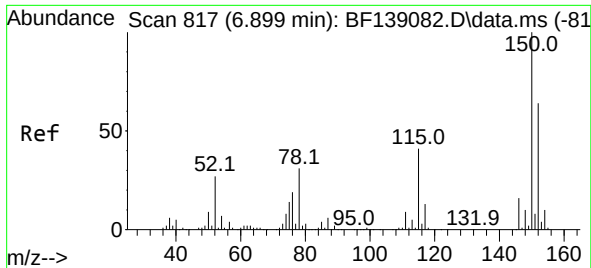
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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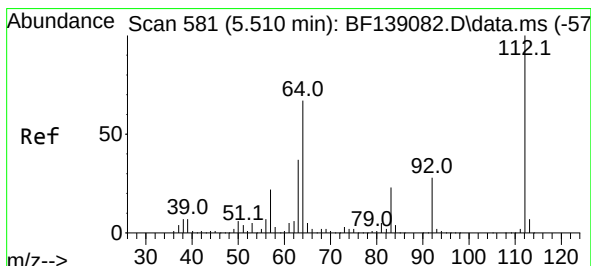
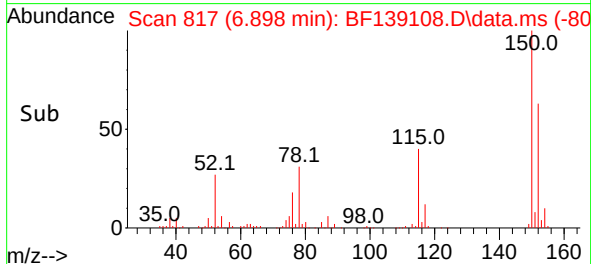
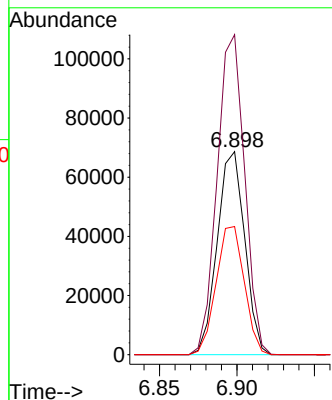
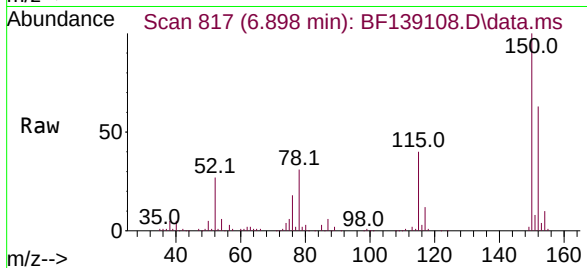




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

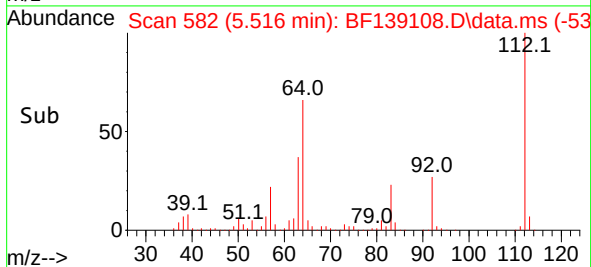
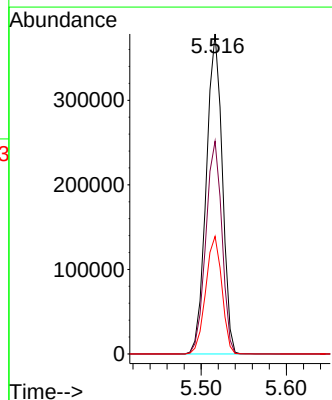
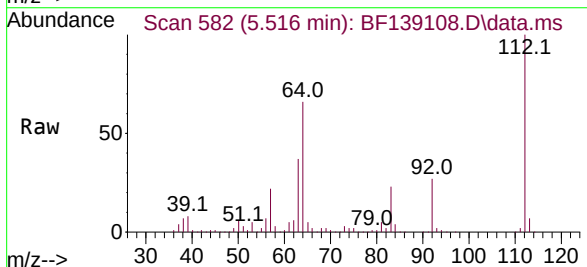
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

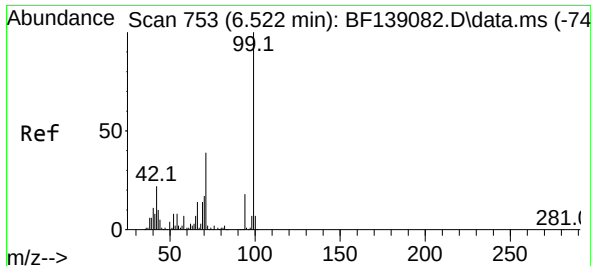
Tgt Ion:152 Resp: 84839
Ion Ratio Lower Upper
152 100
150 157.6 125.1 187.7
115 63.1 51.8 77.6



#5
2-Fluorophenol
Concen: 89.484 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:112 Resp: 493442
Ion Ratio Lower Upper
112 100
64 66.5 53.8 80.6
63 36.7 29.4 44.2

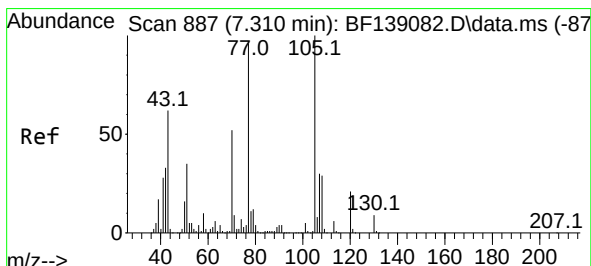
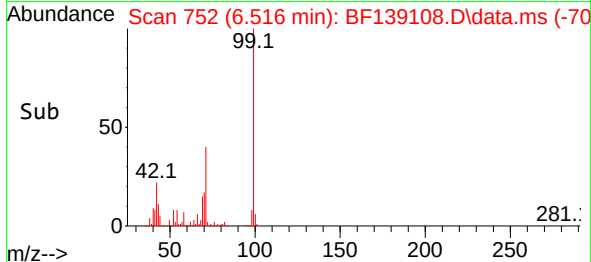
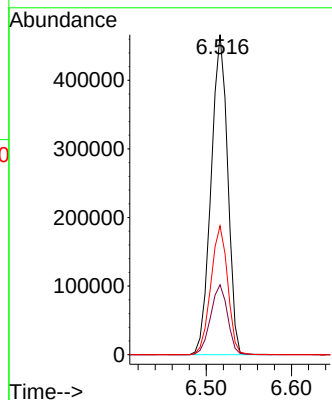
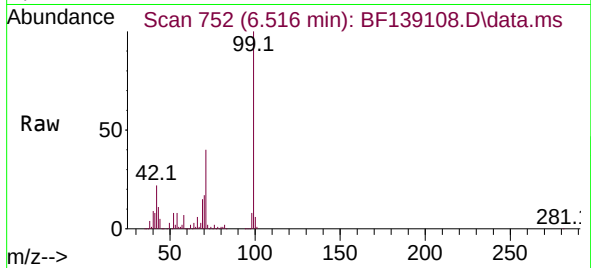




#7
Phenol-d6
Concen: 88.559 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

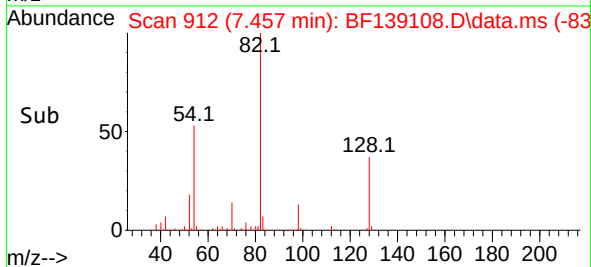
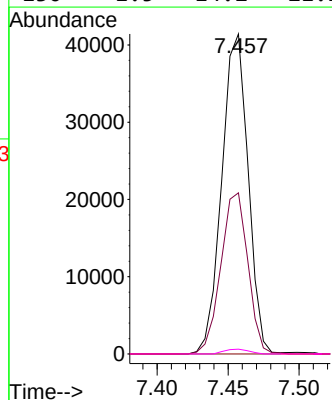
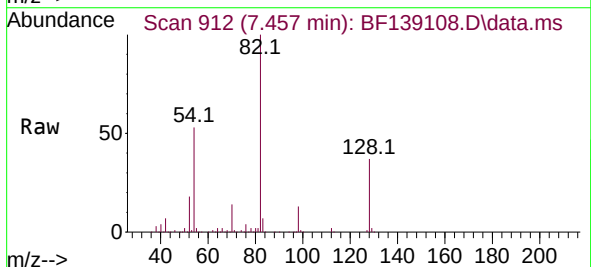
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

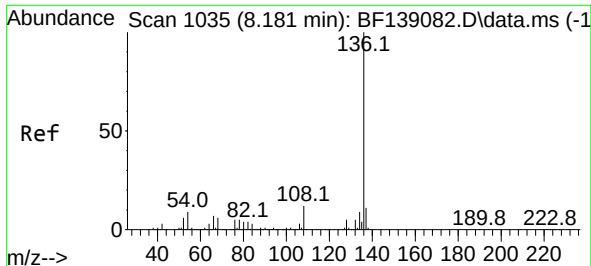
Tgt Ion: 99 Resp: 631002
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.2 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.410 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion: 70 Resp: 53389
Ion Ratio Lower Upper
70 100
42 50.3 50.5 75.7#
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#

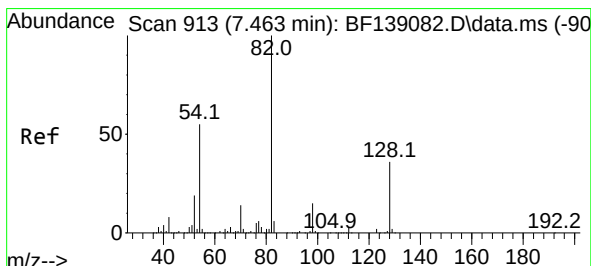
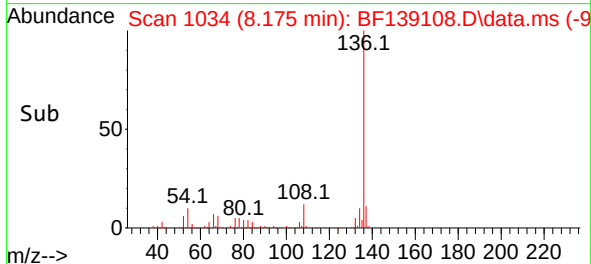
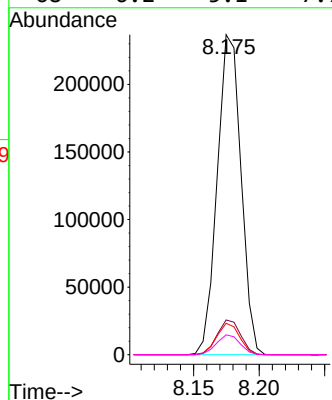
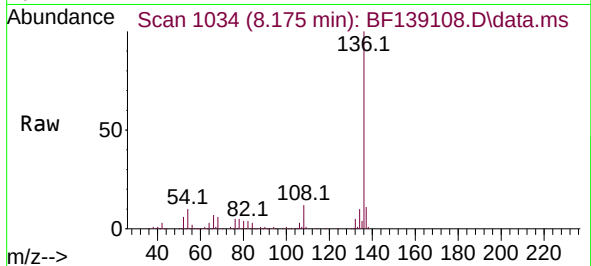




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

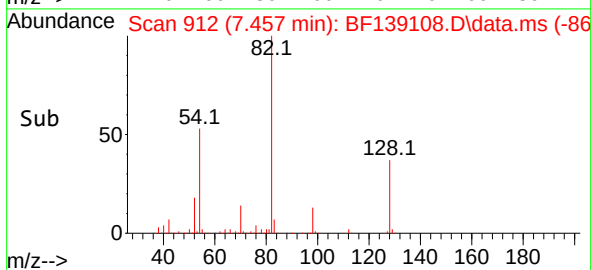
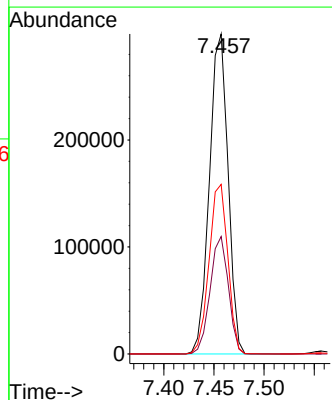
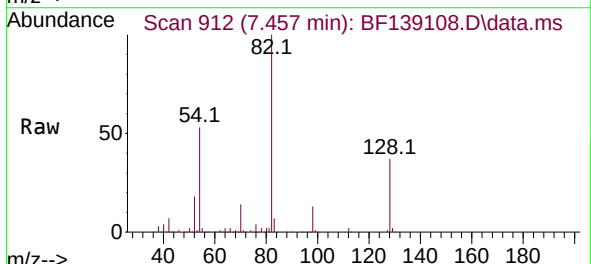
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

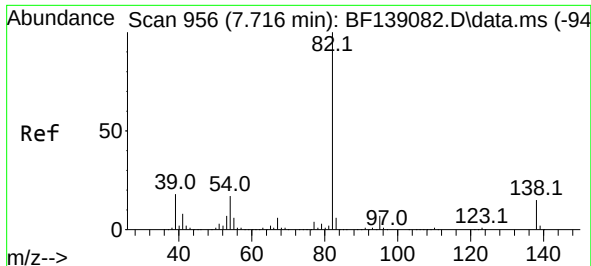
Tgt Ion:	136	Resp:	298493
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.8	7.6	11.4
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 75.535 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:	82	Resp:	386934
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	53.0	43.4	65.2

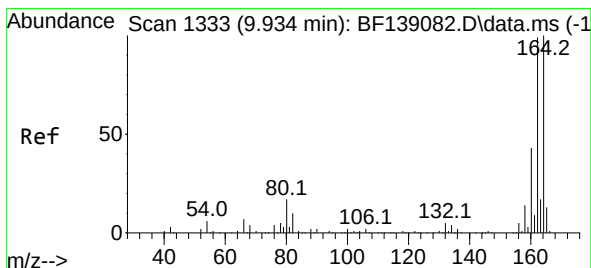
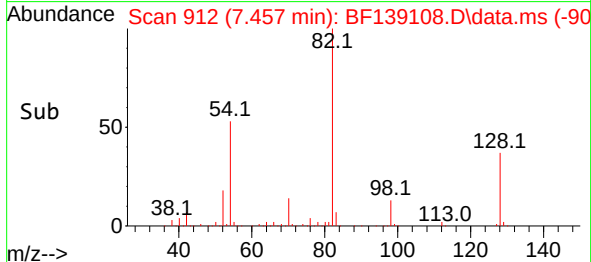
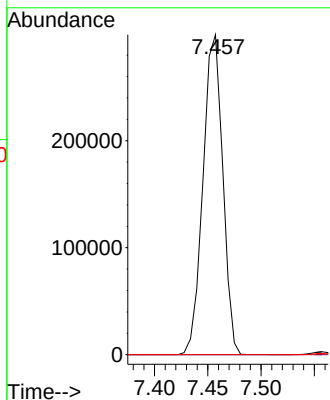
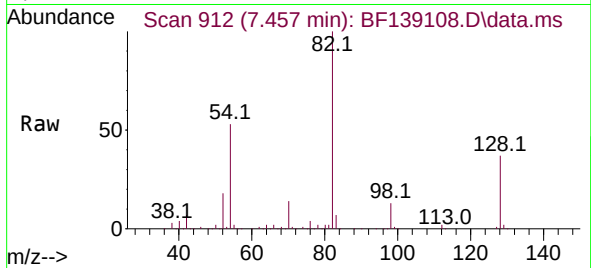




#25
Isophorone
Concen: 35.537 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

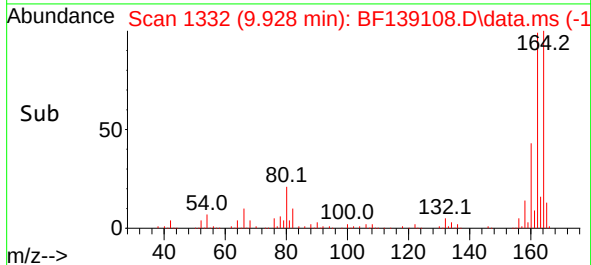
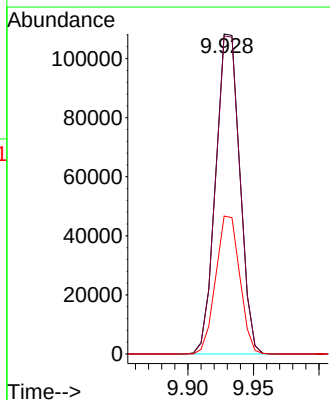
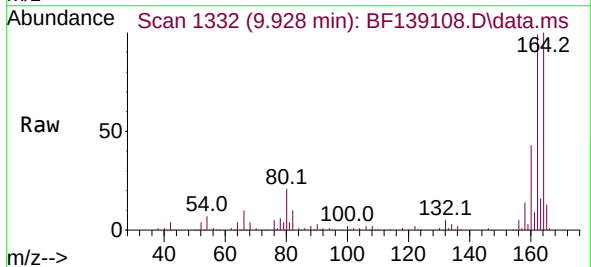
Instrument :
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ClientSampleId :
915-J-SD-0-0.5-081624

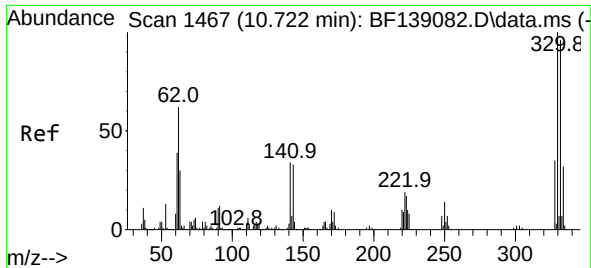
Tgt Ion: 82 Resp: 386926
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

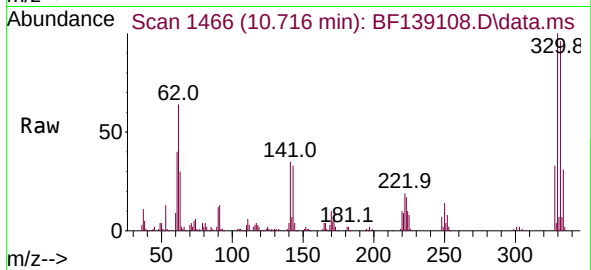
Tgt Ion:164 Resp: 138496
Ion Ratio Lower Upper
164 100
162 99.4 79.5 119.3
160 43.1 34.5 51.7



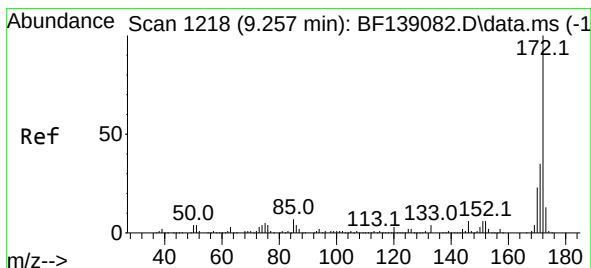
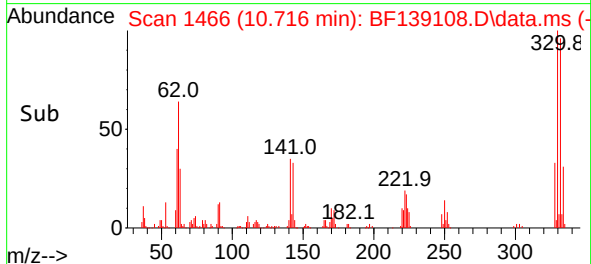
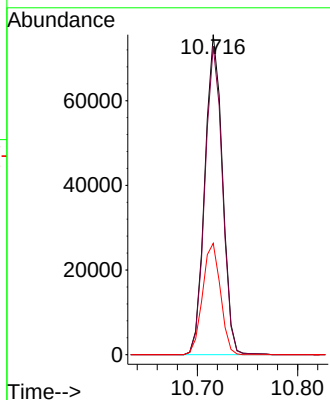


#42
2,4,6-Tribromophenol
Concen: 73.457 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

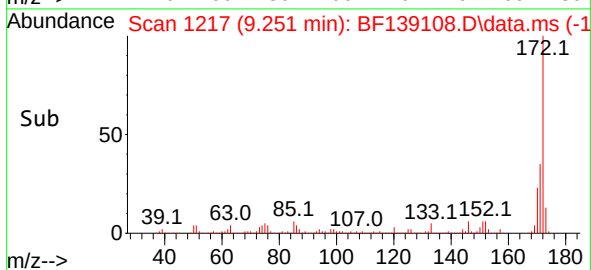
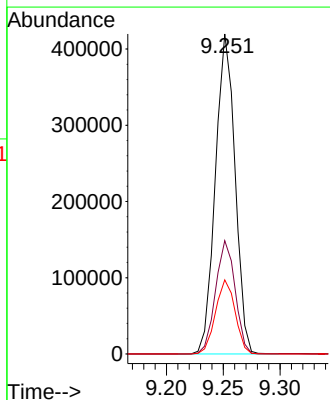
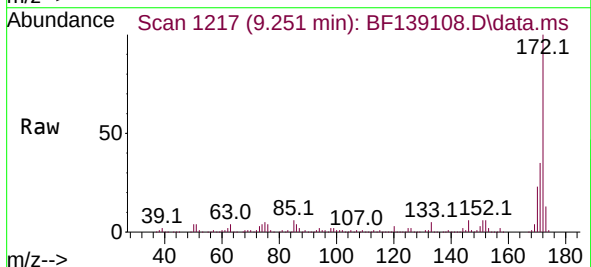


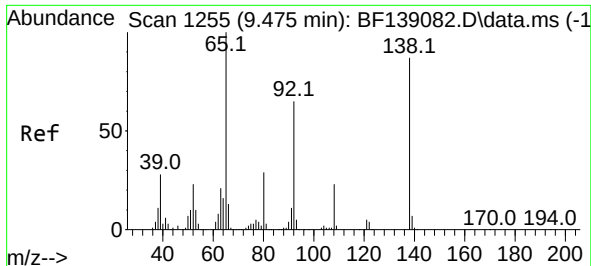
Tgt Ion: 330 Resp: 92099
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 35.3 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 58.037 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion: 172 Resp: 506607
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.1 18.8 28.2

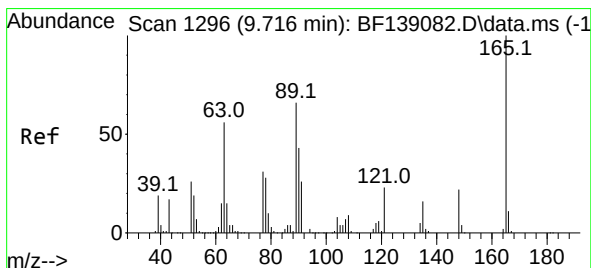
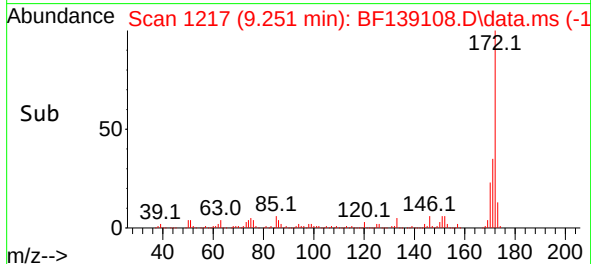
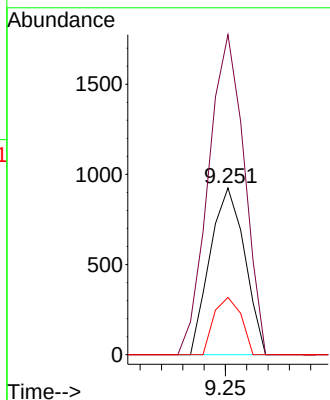
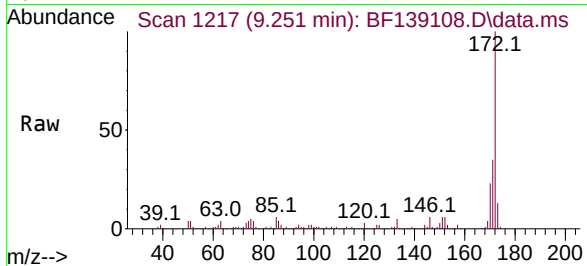




#48
2-Nitroaniline
Concen: 6.076 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

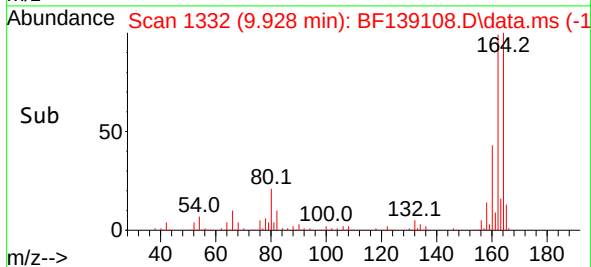
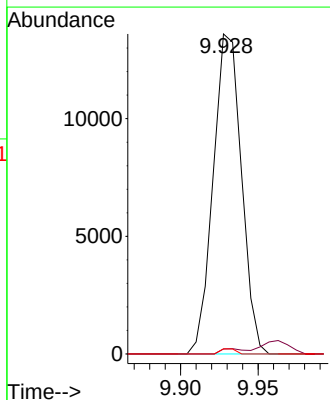
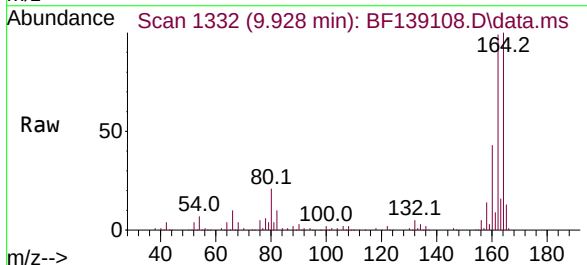
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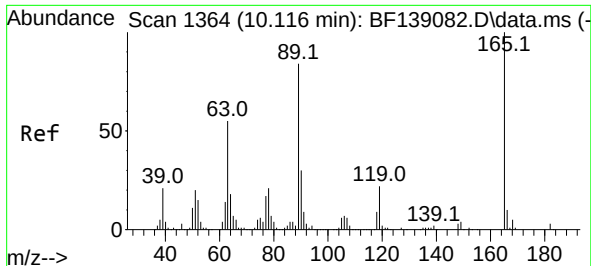
Tgt Ion: 65 Resp: 1049
Ion Ratio Lower Upper
65 100
92 191.9 52.4 78.6#
138 34.4 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 13.629 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.212 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:165 Resp: 17251
Ion Ratio Lower Upper
165 100
63 1.6 58.0 87.0#
89 1.6 53.3 79.9#

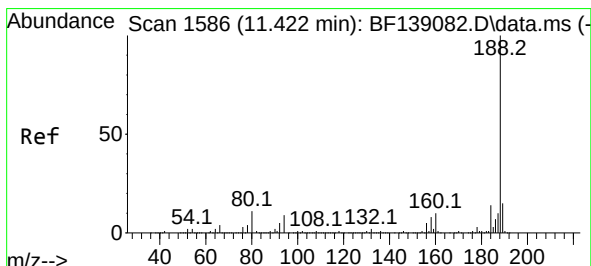
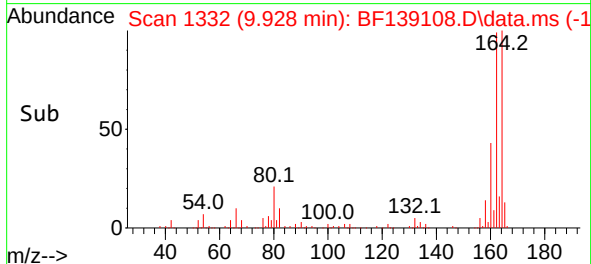
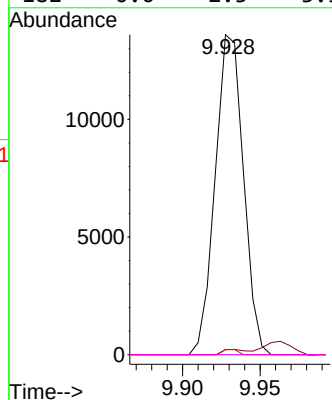
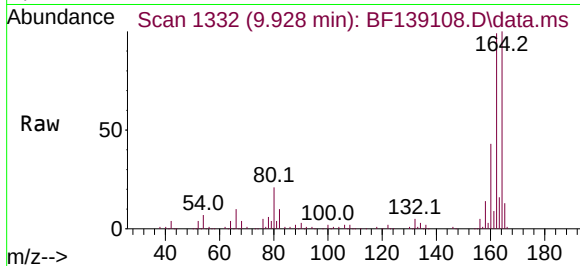




#57
2,4-Dinitrotoluene
Concen: 12.642 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

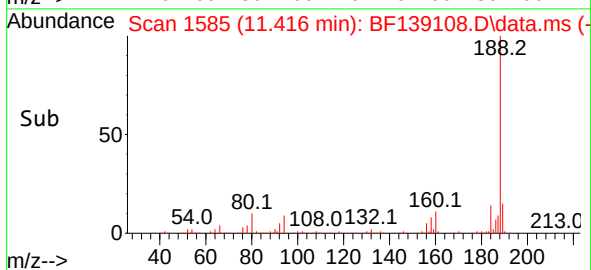
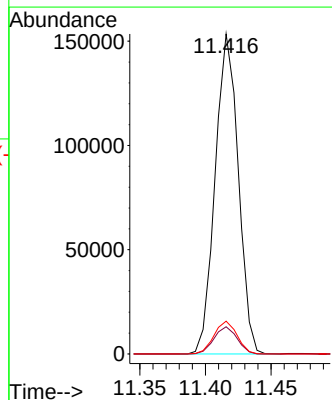
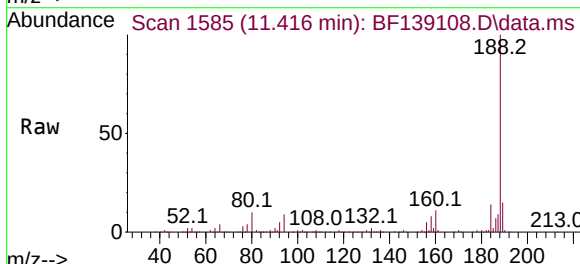
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

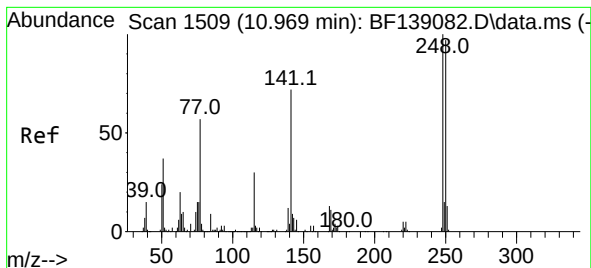
Tgt Ion:165	Resp:	17251
Ion Ratio	Lower	Upper
165	100	
63	1.6	44.2 66.4#
89	1.6	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:188	Resp:	188123
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.2 10.8
80	10.3	8.5 12.7

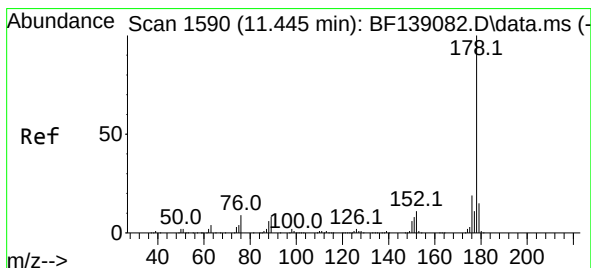
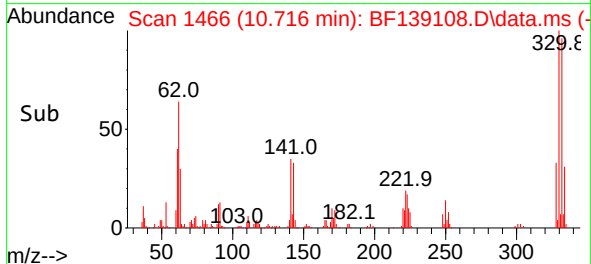
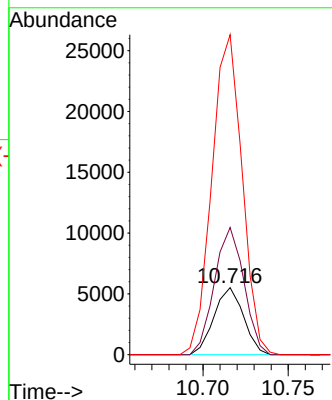
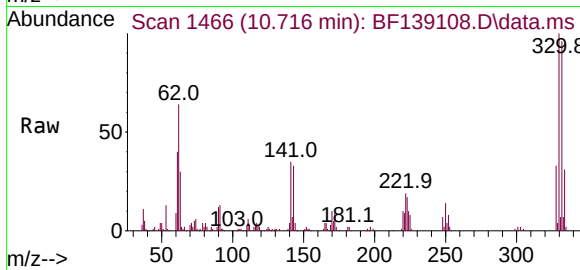




#67
4-Bromophenyl-phenylether
Concen: 3.337 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

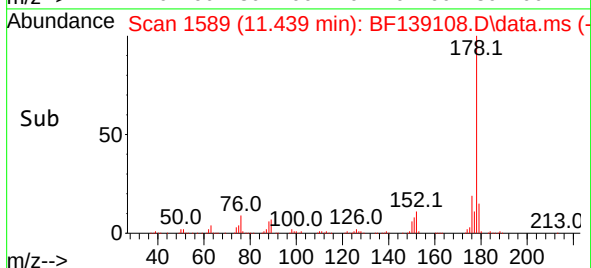
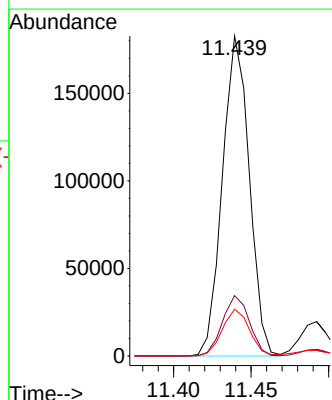
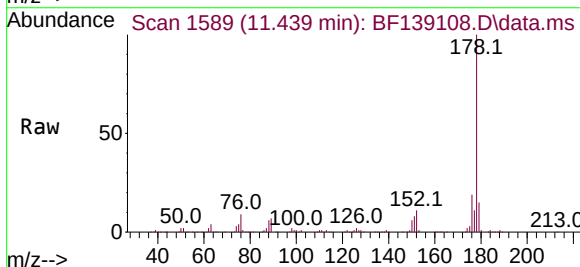
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

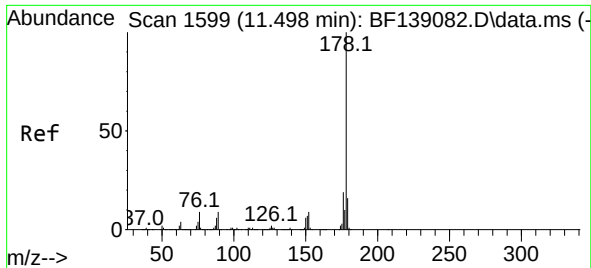
Tgt Ion:248 Resp: 6652
Ion Ratio Lower Upper
248 100
250 189.9 77.8 116.8#
141 477.8 57.9 86.9#



#71
Phenanthrene
Concen: 23.040 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:178 Resp: 220310
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 14.6 12.3 18.5

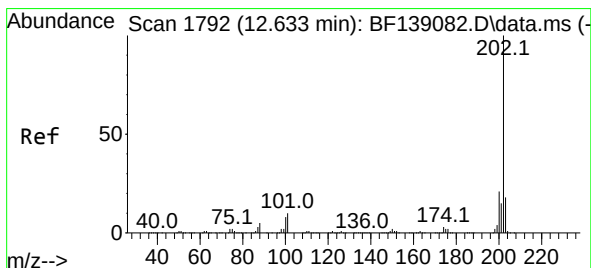
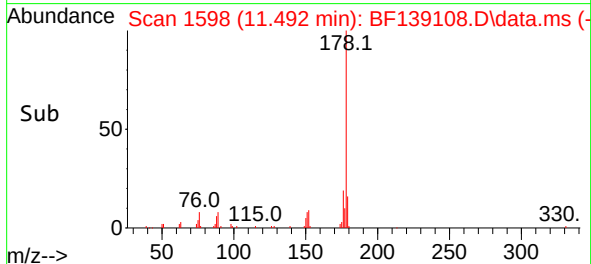
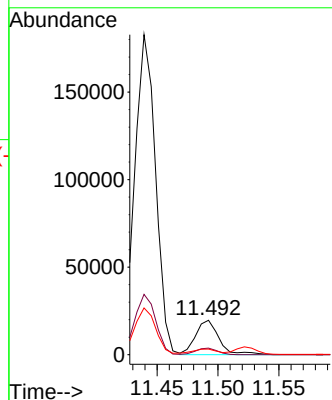
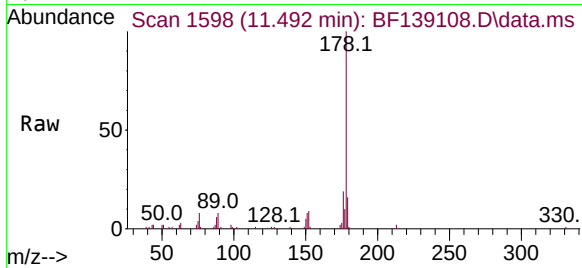




#72
 Anthracene
 Concen: 2.803 ng
 RT: 11.492 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF139108.D
 Acq: 21 Aug 2024 18:20

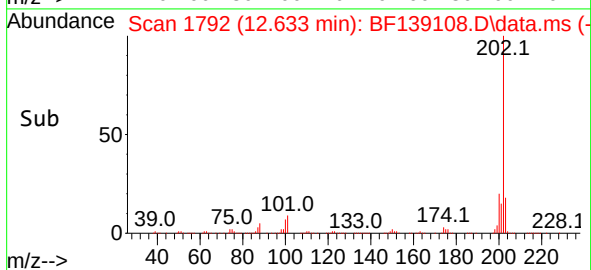
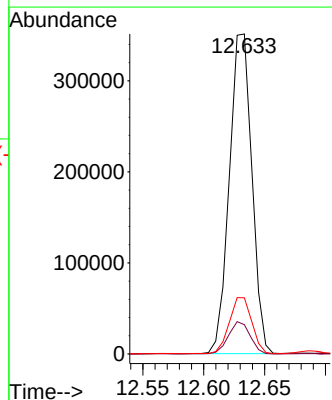
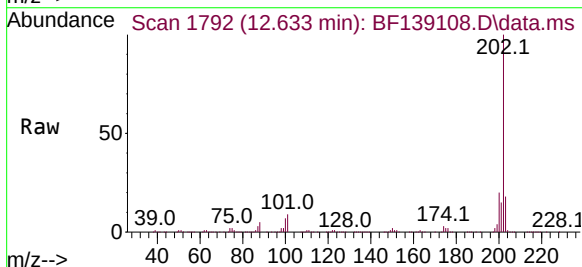
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

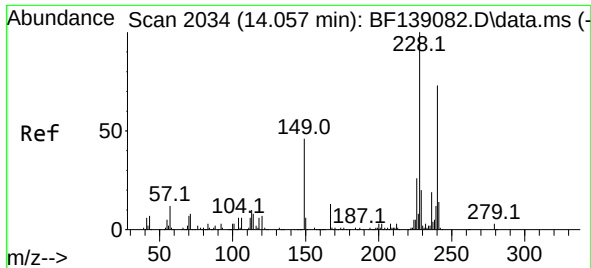
Tgt Ion:178 Resp: 26213
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.4
 179 16.3 12.4 18.6



#75
 Fluoranthene
 Concen: 44.452 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139108.D
 Acq: 21 Aug 2024 18:20

Tgt Ion:202 Resp: 453663
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.2
 203 17.5 0.0 37.6

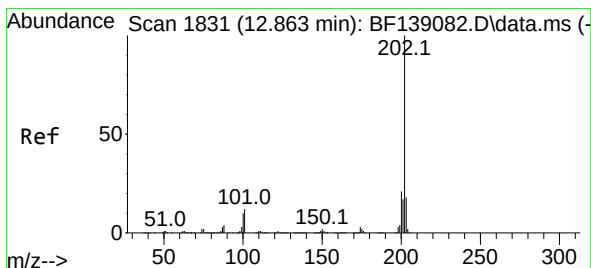
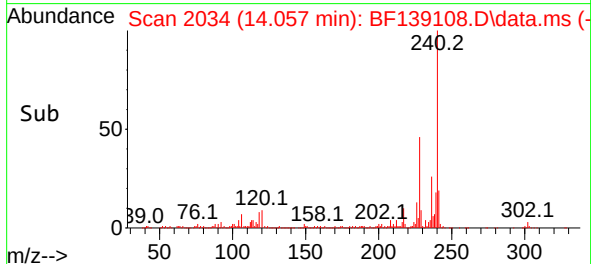
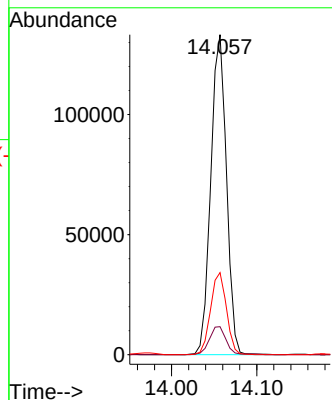
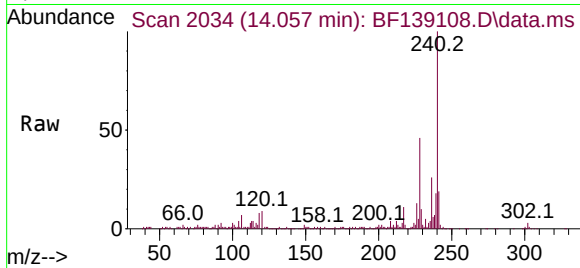




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

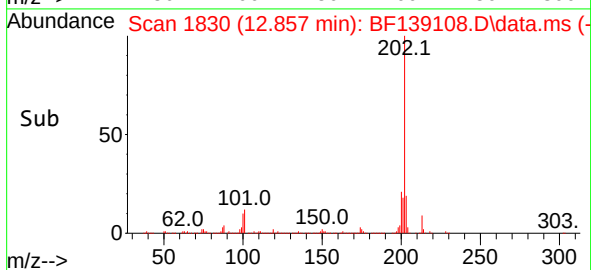
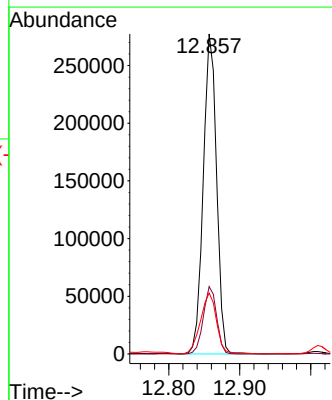
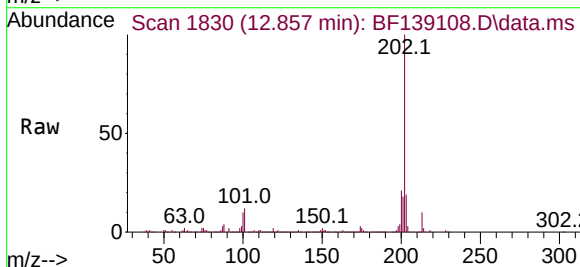
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

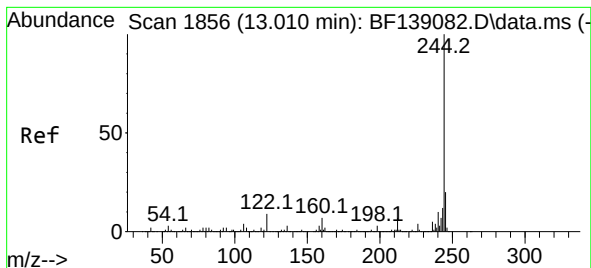
Tgt Ion:240 Resp: 170516
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.7 20.9 31.3



#78
Pyrene
Concen: 25.444 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139108.D
Acq: 21 Aug 2024 18:20

Tgt Ion:202 Resp: 362062
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 19.0 14.1 21.1





#79

Terphenyl-d14

Concen: 33.658 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

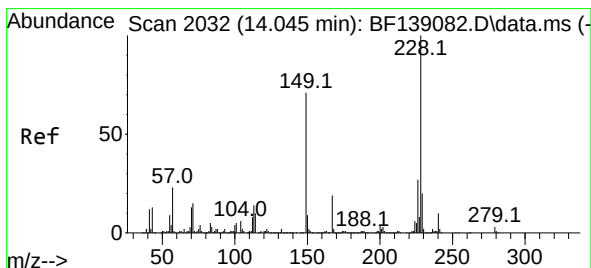
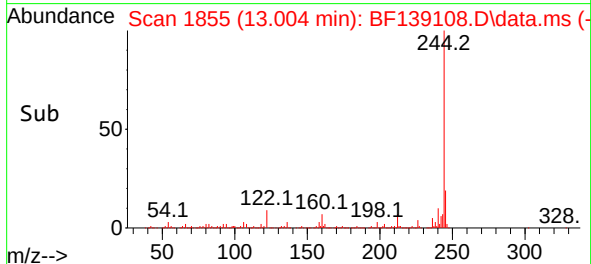
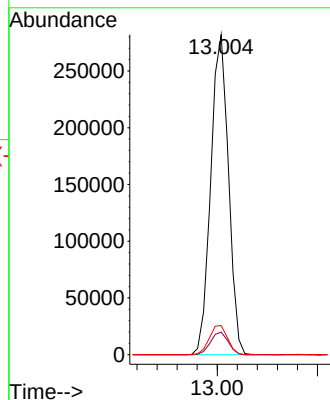
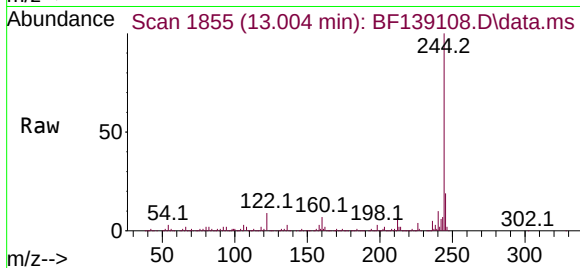
Tgt Ion:244 Resp: 345880

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 16.522 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

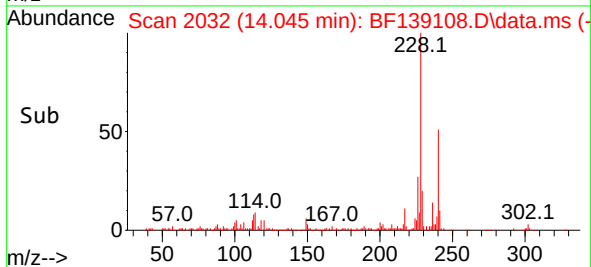
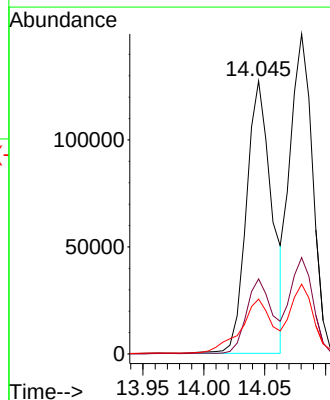
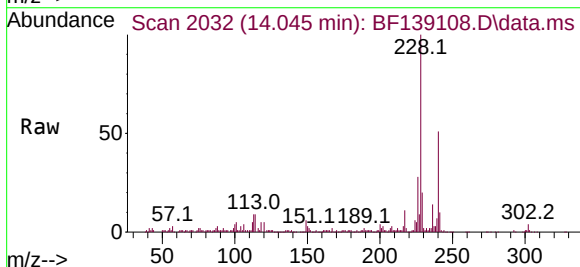
Tgt Ion:228 Resp: 185194

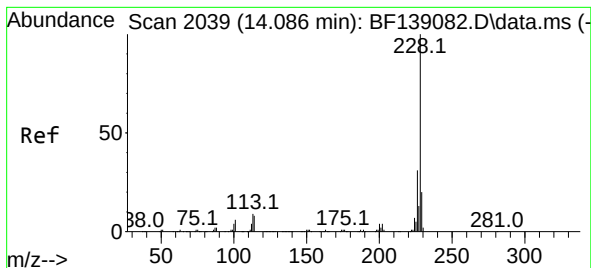
Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

229 20.1 16.1 24.1





#83

Chrysene

Concen: 18.823 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

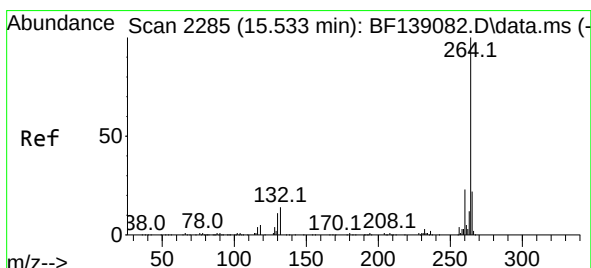
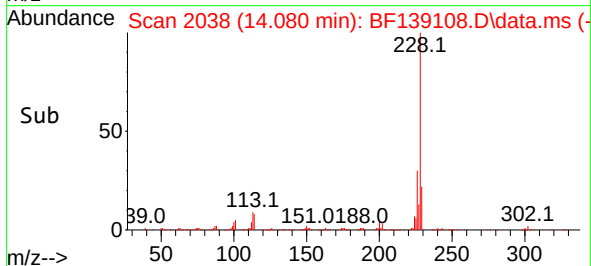
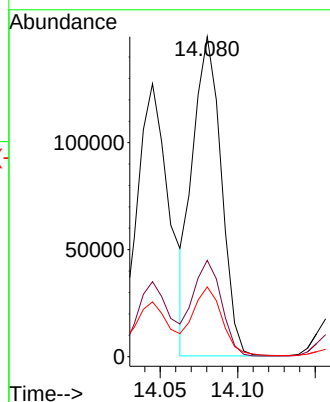
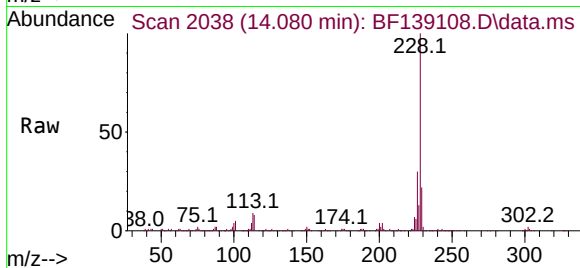
Tgt Ion:228 Resp: 191242

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

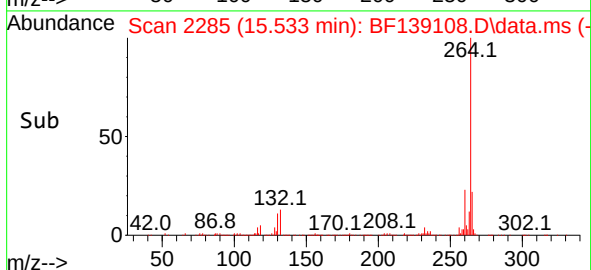
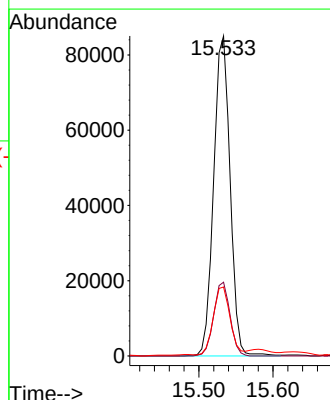
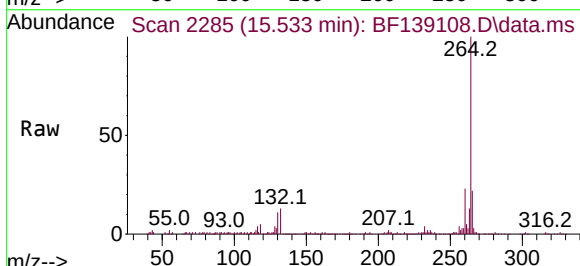
Tgt Ion:264 Resp: 130898

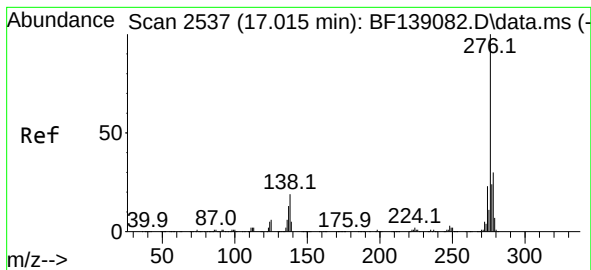
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.037 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

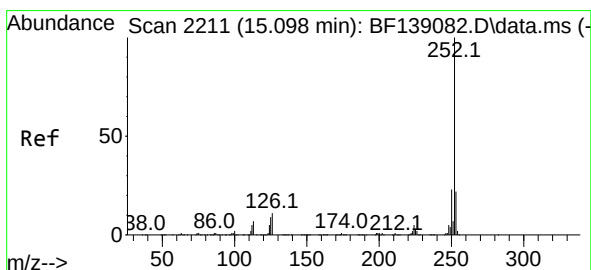
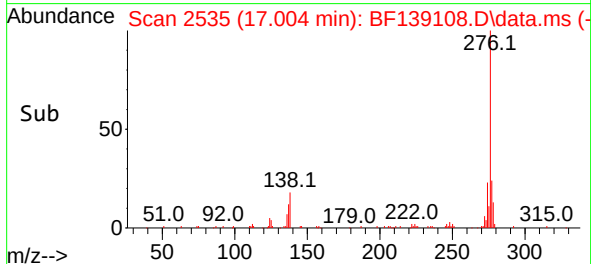
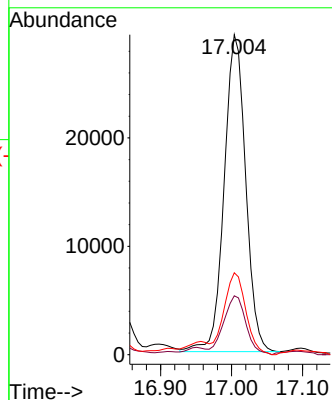
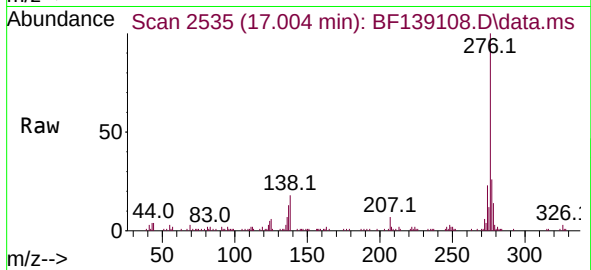
Tgt Ion:276 Resp: 61567

Ion Ratio Lower Upper

276 100

138 19.1 17.3 25.9

277 26.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 31.607 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

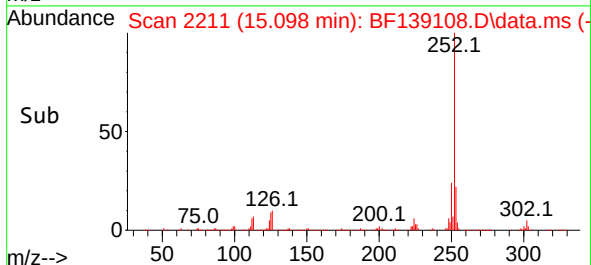
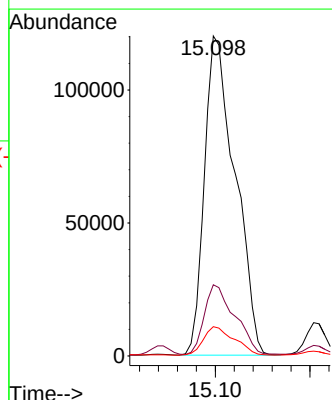
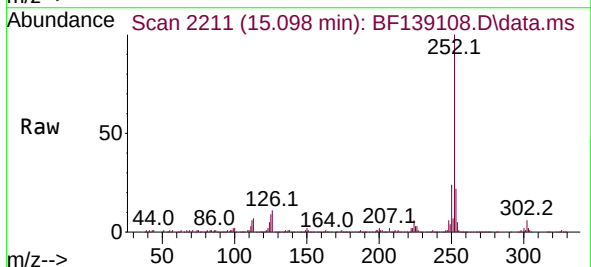
Tgt Ion:252 Resp: 269722

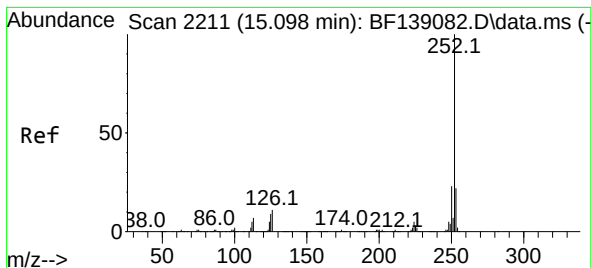
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 9.1 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 37.949 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

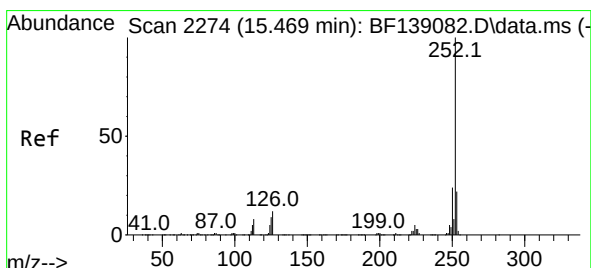
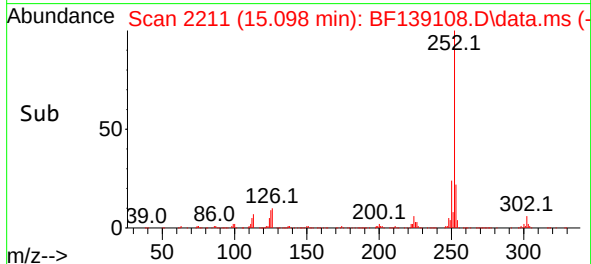
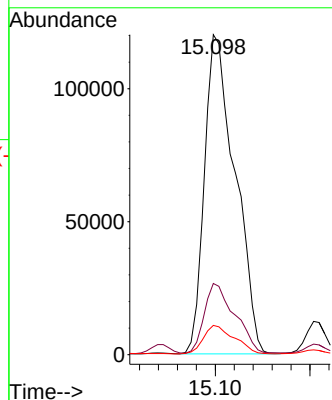
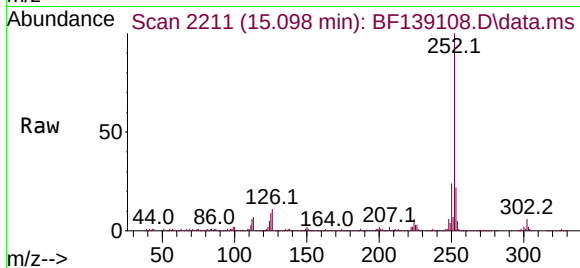
Tgt Ion:252 Resp: 269722

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 9.1 7.0 10.6



#90

Benzo(a)pyrene

Concen: 16.971 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139108.D

Acq: 21 Aug 2024 18:20

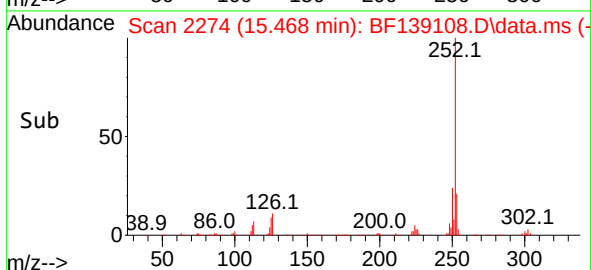
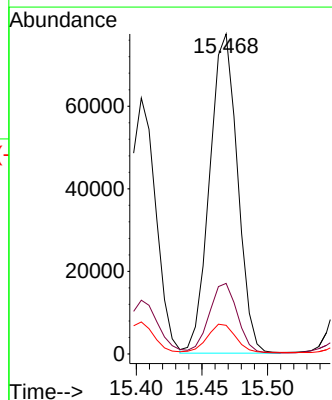
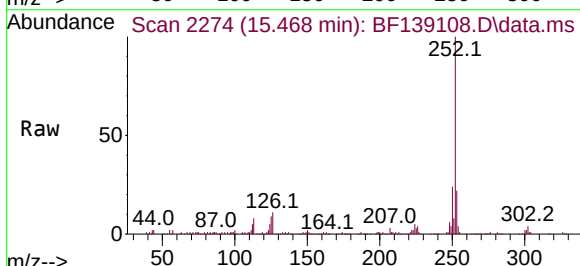
Tgt Ion:252 Resp: 114434

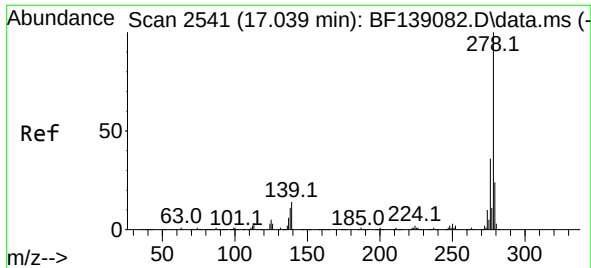
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 9.0 7.4 11.2

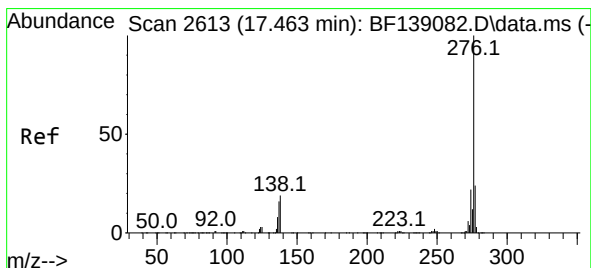
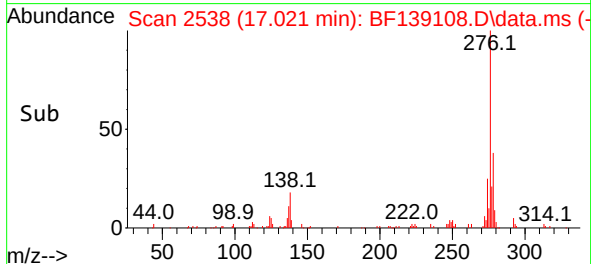
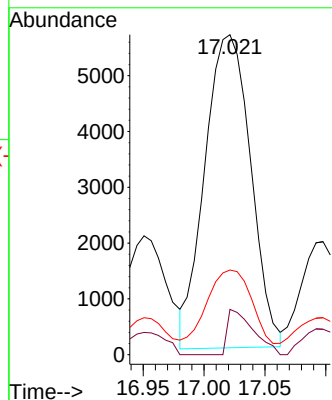
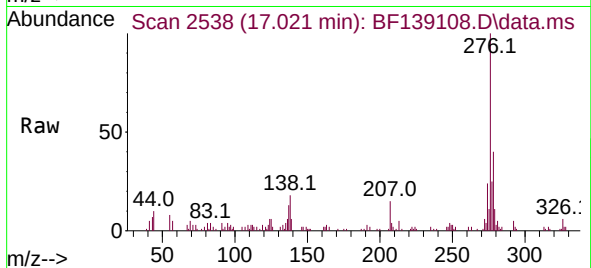




#91
 Dibenzo(a,h)anthracene
 Concen: 2.339 ng
 RT: 17.021 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF139108.D
 Acq: 21 Aug 2024 18:20

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

Tgt Ion:	278	Resp:	14710
Ion Ratio	Lower	Upper	
278	100		
139	14.2	10.8	16.2
279	26.5	19.2	28.8



#92
 Benzo(g,h,i)perylene
 Concen: 10.599 ng
 RT: 17.451 min Scan# 2611
 Delta R.T. -0.012 min
 Lab File: BF139108.D
 Acq: 21 Aug 2024 18:20

Tgt Ion:	276	Resp:	59538
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	16.8	15.0	22.4

