

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139110.D
 Acq On : 21 Aug 2024 19:19
 Operator : RC/JU
 Sample : P3663-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-0.5-1-081624

Quant Time: Aug 22 00:57:30 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

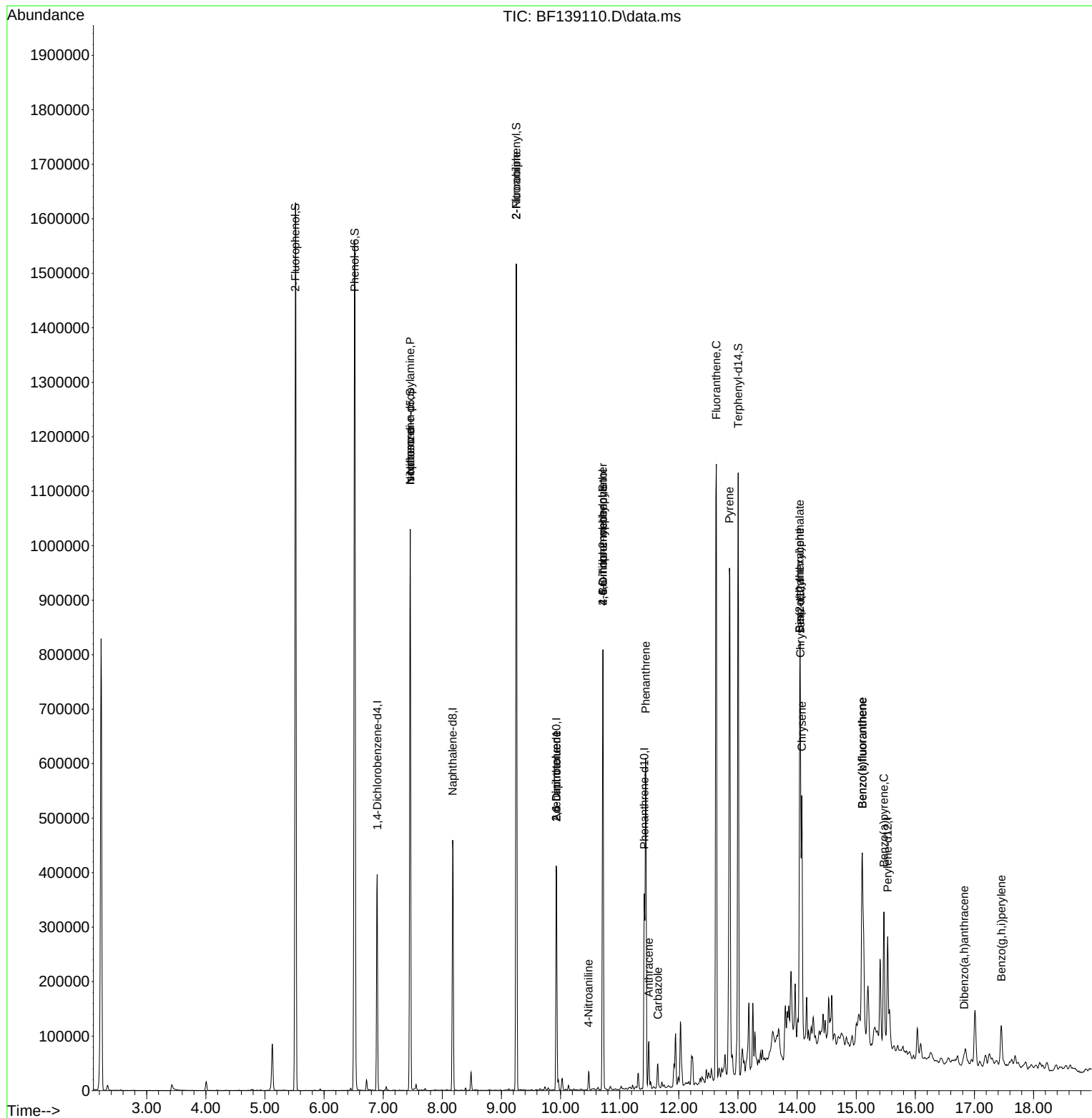
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	76237	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	268187	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	120597	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	177620	20.000	ng	0.00
76) Chrysene-d12	14.057	240	146224	20.000	ng	0.00
86) Perylene-d12	15.533	264	112457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	558597	112.729	ng	0.00
7) Phenol-d6	6.516	99	715207	111.702	ng	0.00
23) Nitrobenzene-d5	7.457	82	452513	98.319	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117535	107.658	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	616258	81.077	ng	0.00
79) Terphenyl-d14	13.004	244	499624	56.695	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	64150	15.257	ng	# 77
25) Isophorone	7.457	82	452507	46.257	ng	# 69
48) 2-Nitroaniline	9.251	65	1209	6.211	ng	# 1
51) 2,6-Dinitrotoluene	9.927	165	15673	14.025	ng	# 17
57) 2,4-Dinitrotoluene	9.927	165	15673	12.950	ng	# 17
62) 4-Nitroaniline	10.474	138	53	3.742	ng	# 9
65) 4,6-Dinitro-2-methylph...	10.716	198	256	6.905	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8277	4.398	ng	# 1
71) Phenanthrene	11.439	178	308043	34.121	ng	100
72) Anthracene	11.492	178	47036	5.327	ng	99
73) Carbazole	11.645	167	23392	2.837	ng	96
75) Fluoranthene	12.633	202	639583	66.375	ng	99
78) Pyrene	12.857	202	519470	42.570	ng	98
81) Benzo(a)anthracene	14.045	228	249923	26.001	ng	99
83) Chrysene	14.080	228	225128	25.840	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	20586	3.678	ng	97
88) Benzo(b)fluoranthene	15.104	252	288203	39.310	ng	99
89) Benzo(k)fluoranthene	15.104	252	288203	47.198	ng	99
90) Benzo(a)pyrene	15.468	252	140622	24.274	ng	100
91) Dibenzo(a,h)anthracene	16.827	278	12525	2.318	ng	95
92) Benzo(g,h,i)perylene	17.456	276	65187	12.740	ng	98

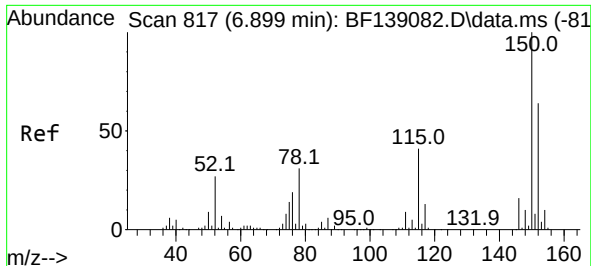
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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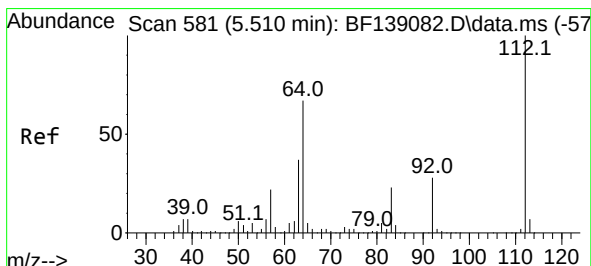
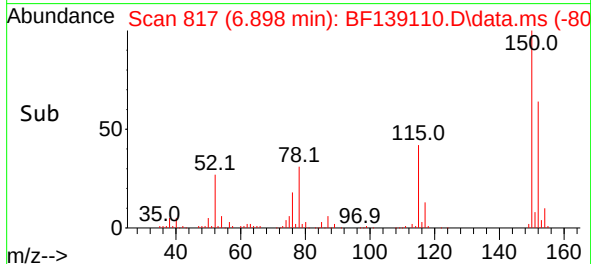
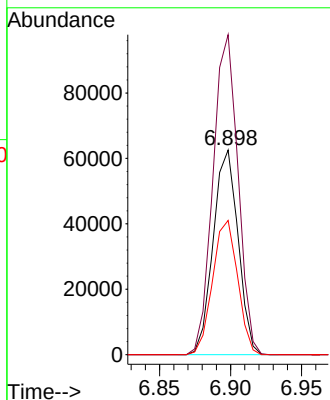
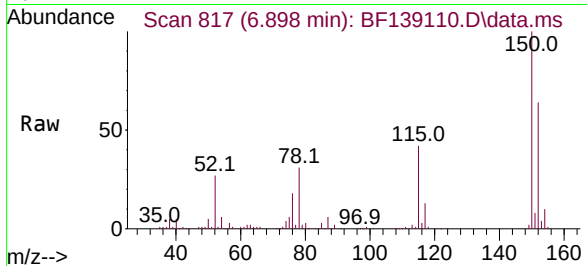




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

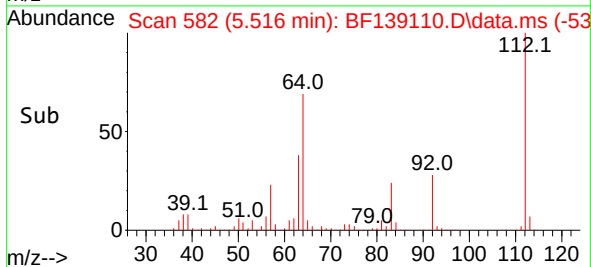
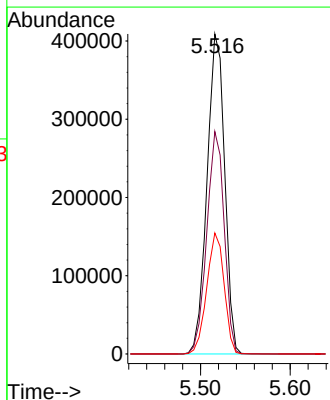
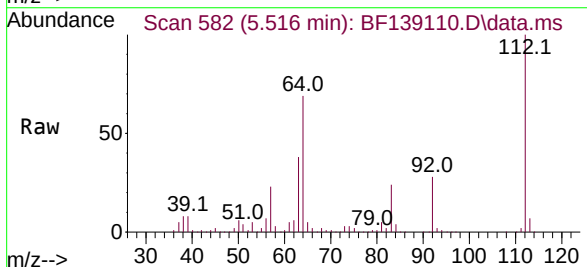
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

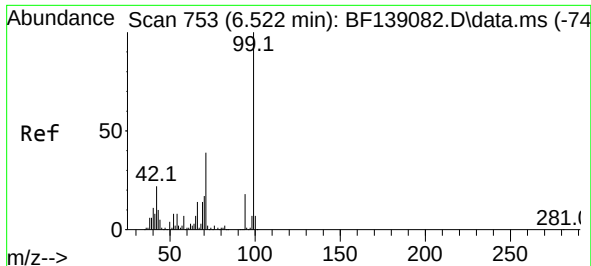
Tgt Ion:152 Resp: 76237
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 65.6 51.8 77.6



#5
2-Fluorophenol
Concen: 112.729 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:112 Resp: 558597
Ion Ratio Lower Upper
112 100
64 69.5 53.8 80.6
63 37.8 29.4 44.2

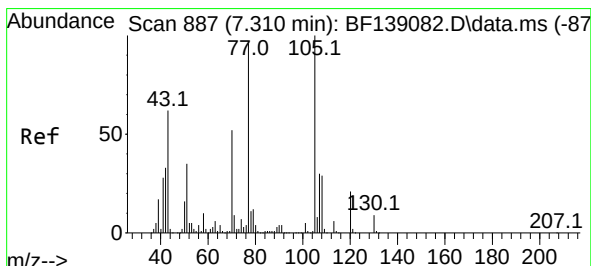
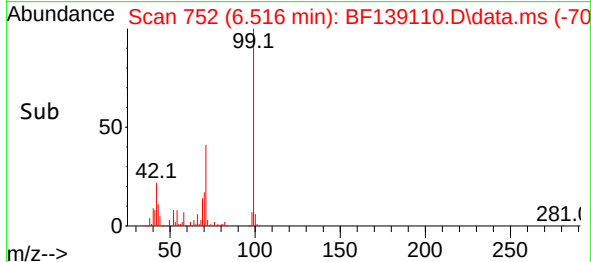
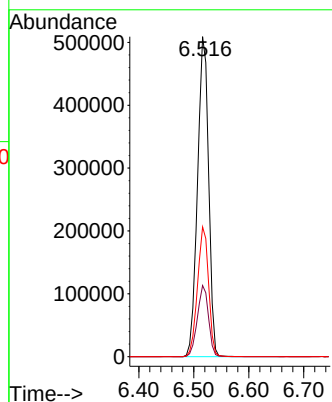
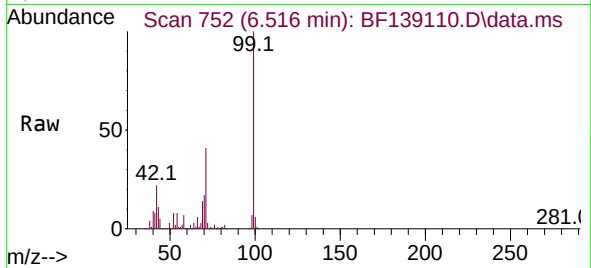




#7
Phenol-d6
Concen: 111.702 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

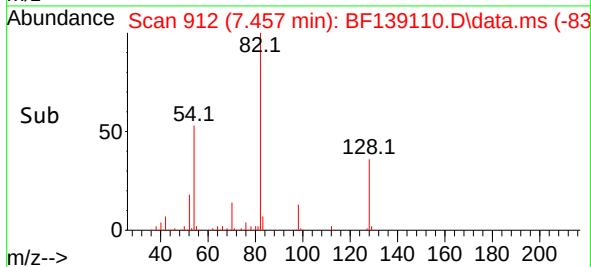
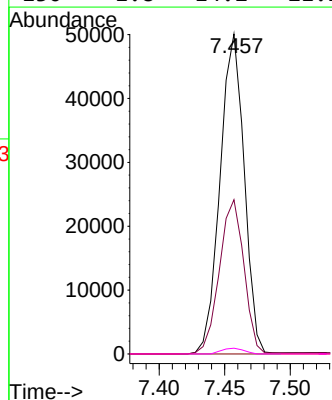
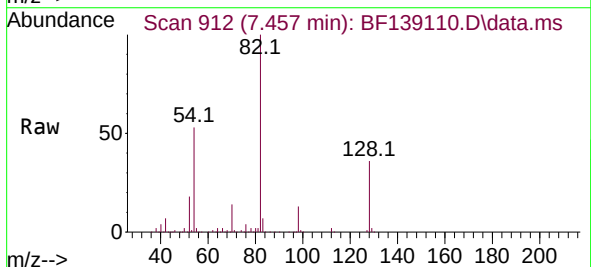
Instrument :
BNA_F
ClientSampleId :
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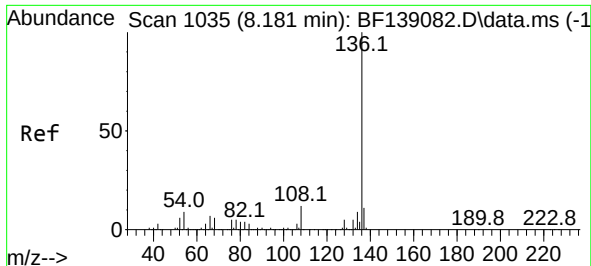
Tgt Ion: 99 Resp: 715207
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 40.6 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.257 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion: 70 Resp: 64150
Ion Ratio Lower Upper
70 100
42 48.2 50.5 75.7#
101 0.0 7.2 10.8#
130 1.8 14.2 21.2#

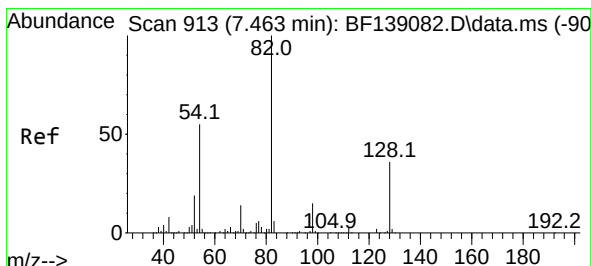
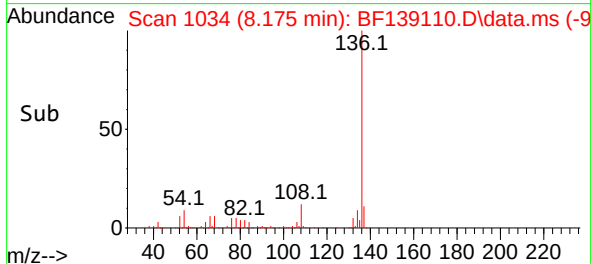
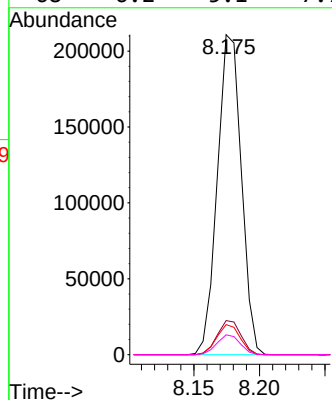
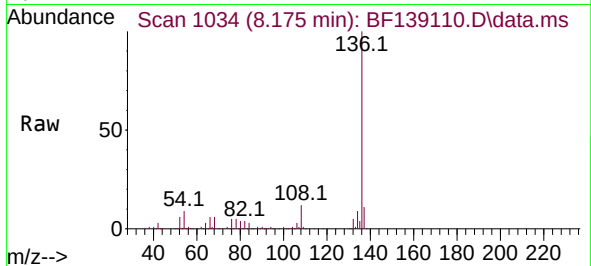




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

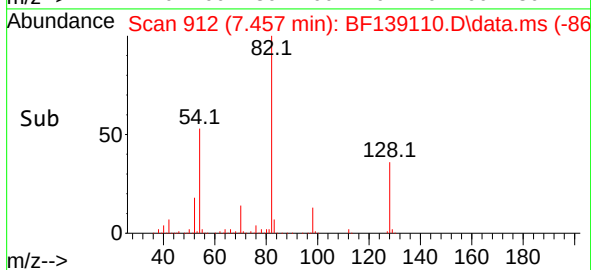
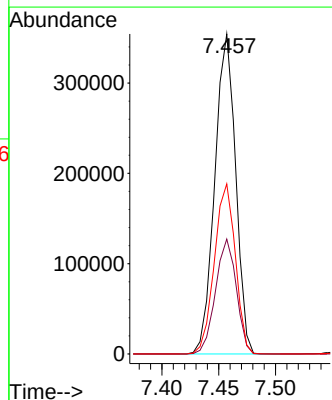
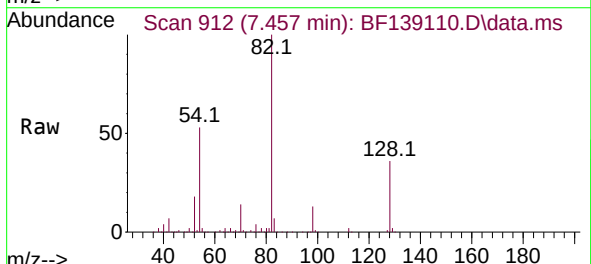
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

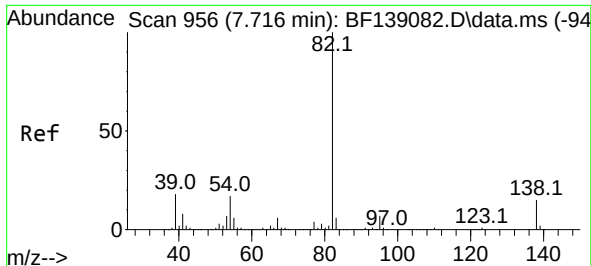
Tgt Ion:	136	Resp:	268187
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	9.4	7.6	11.4
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 98.319 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:	82	Resp:	452513
Ion Ratio	Lower	Upper	
82	100		
128	35.9	29.0	43.4
54	53.2	43.4	65.2

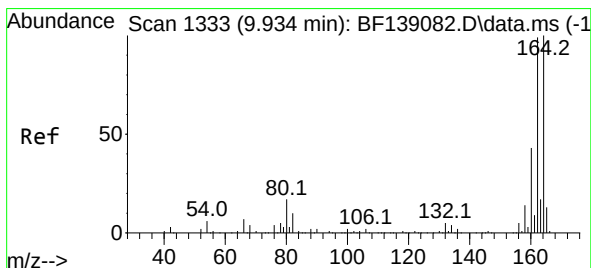
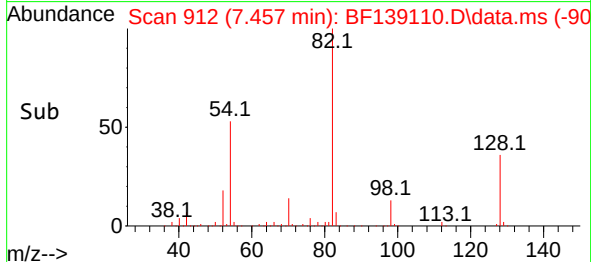
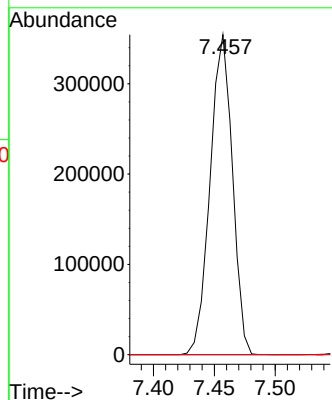
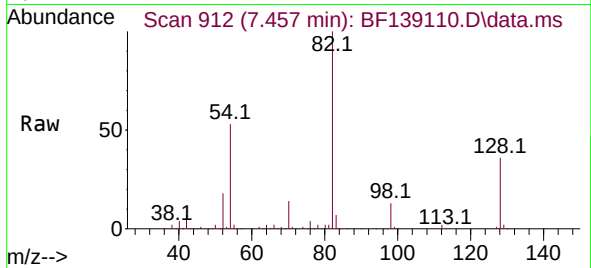




#25
Isophorone
Concen: 46.257 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

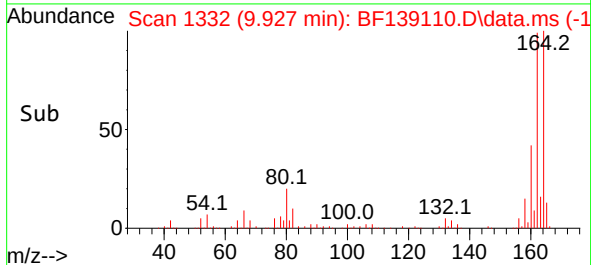
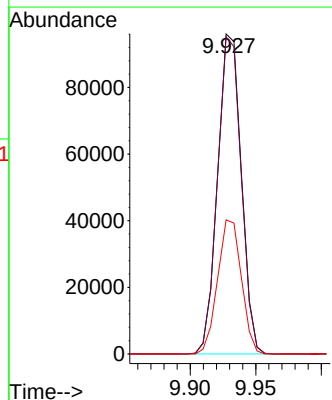
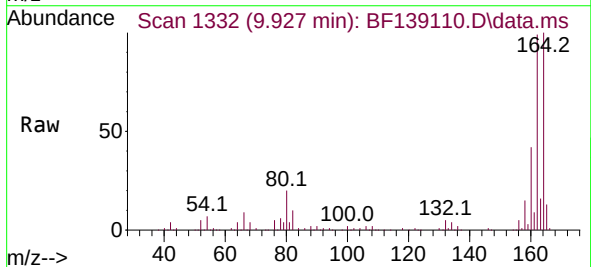
Instrument :
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ClientSampleId :
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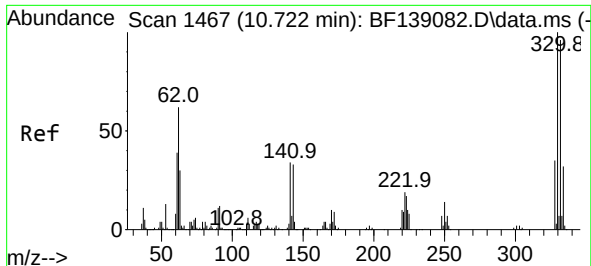
Tgt Ion: 82 Resp: 452507
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.007 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:164 Resp: 120597
Ion Ratio Lower Upper
164 100
162 99.1 79.5 119.3
160 41.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 107.658 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139110.D

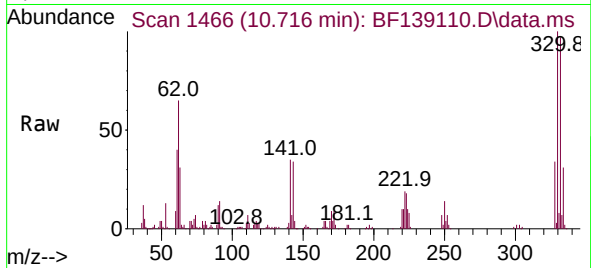
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Instrument :

BNA_F

ClientSampleId :

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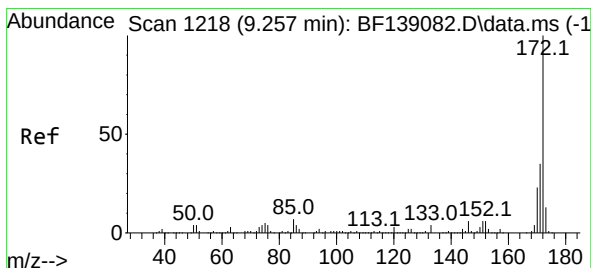
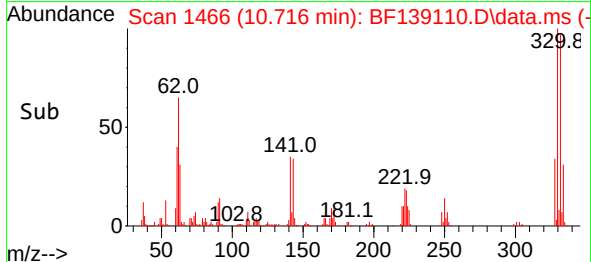
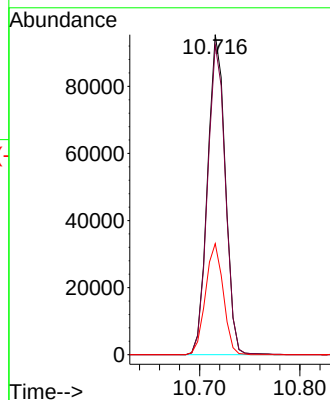
Tgt Ion:330 Resp: 117535

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

141 34.6 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 81.077 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

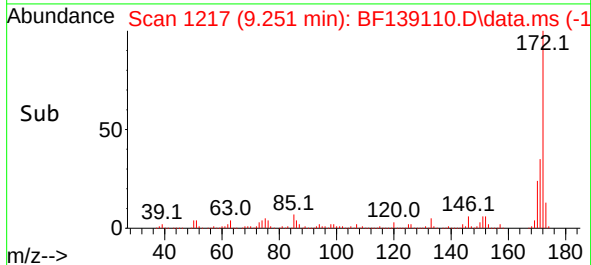
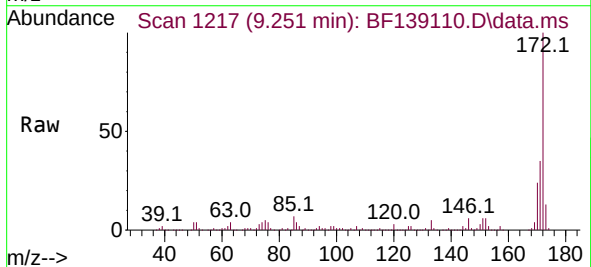
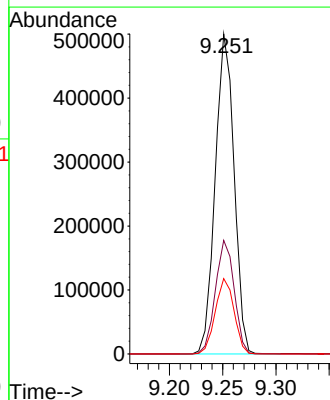
Tgt Ion:172 Resp: 616258

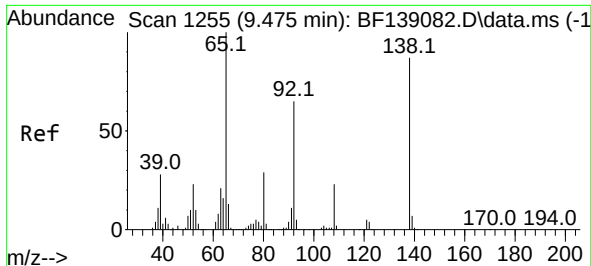
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.5 18.8 28.2

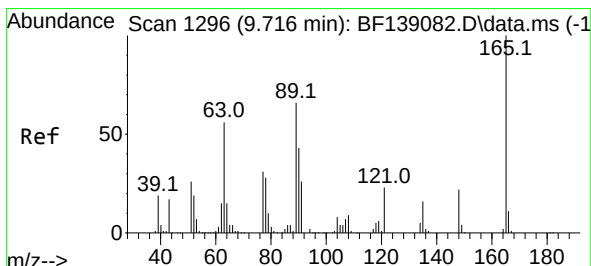
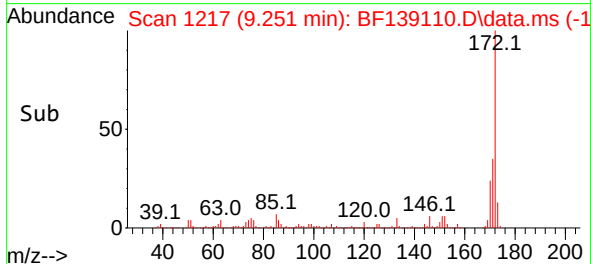
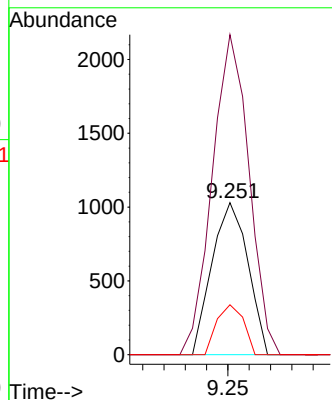
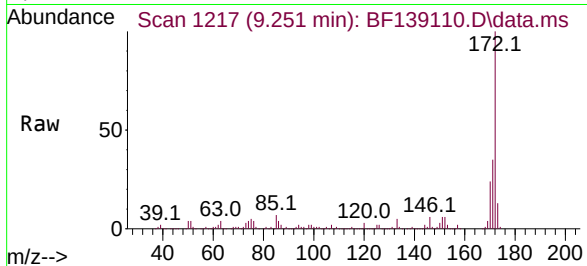




#48
2-Nitroaniline
Concen: 6.211 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

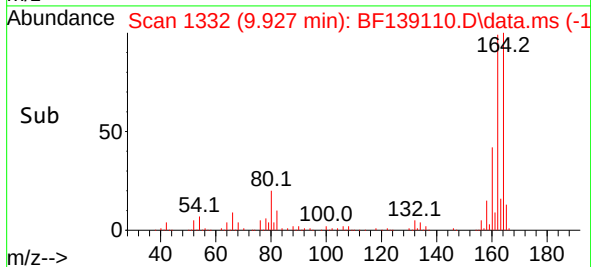
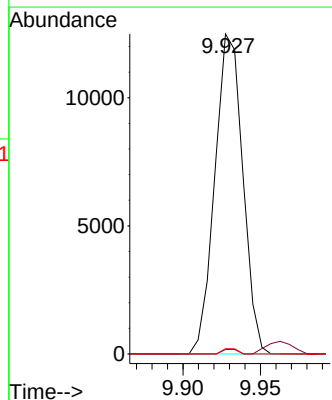
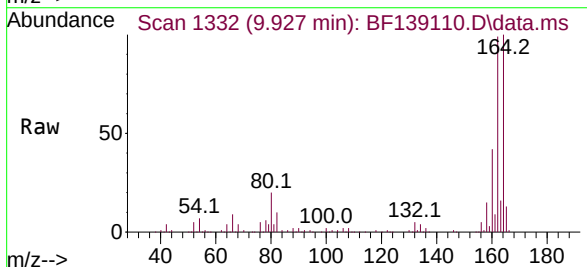
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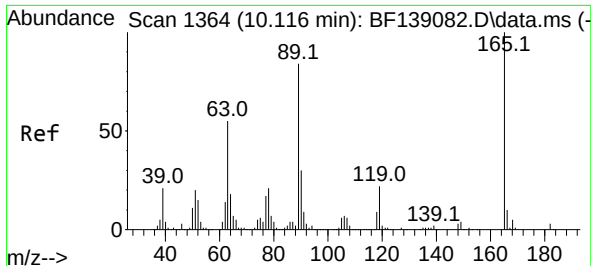
Tgt Ion: 65 Resp: 1209
Ion Ratio Lower Upper
65 100
92 210.5 52.4 78.6#
138 32.8 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 14.025 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.211 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion: 165 Resp: 15673
Ion Ratio Lower Upper
165 100
63 1.4 58.0 87.0#
89 1.7 53.3 79.9#

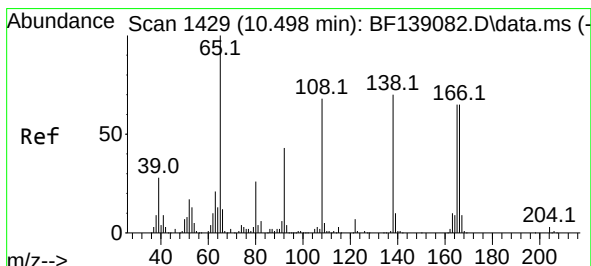
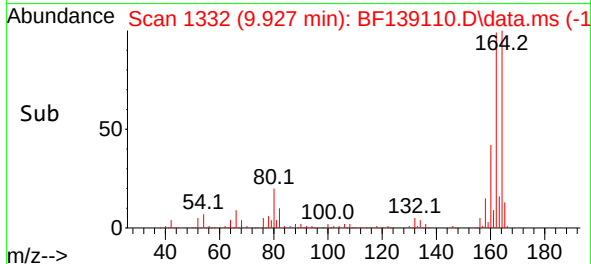
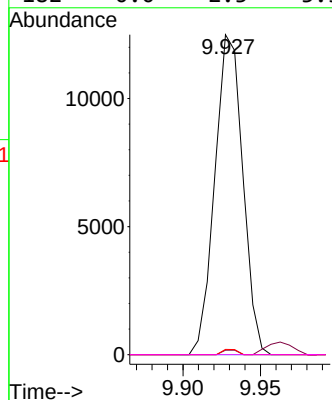
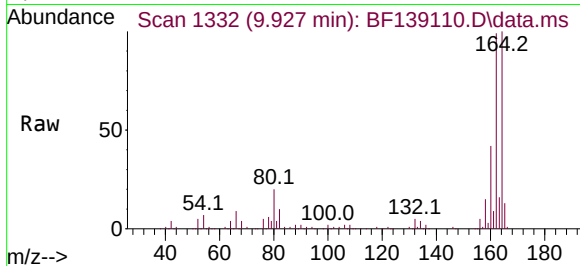




#57
2,4-Dinitrotoluene
Concen: 12.950 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

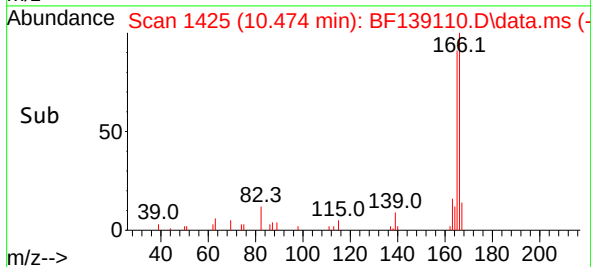
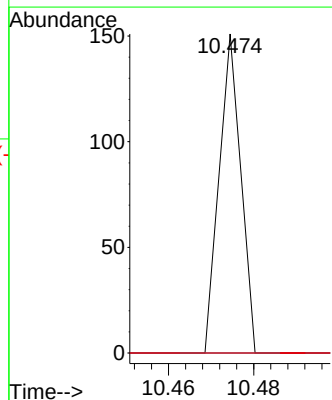
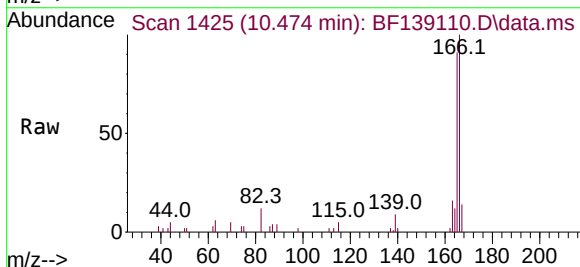
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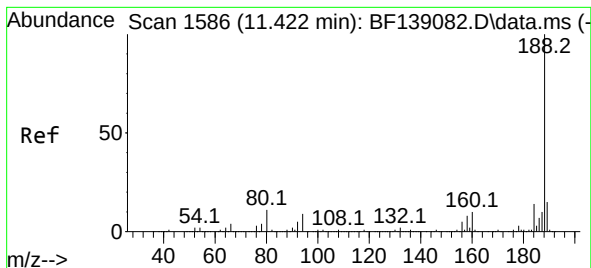
Tgt Ion:165 Resp: 15673
Ion Ratio Lower Upper
165 100
63 1.4 44.2 66.4#
89 1.7 67.4 101.2#
182 0.0 2.3 3.5#



#62
4-Nitroaniline
Concen: 3.742 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.024 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 0.0 41.4 81.4#
108 0.0 76.8 116.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

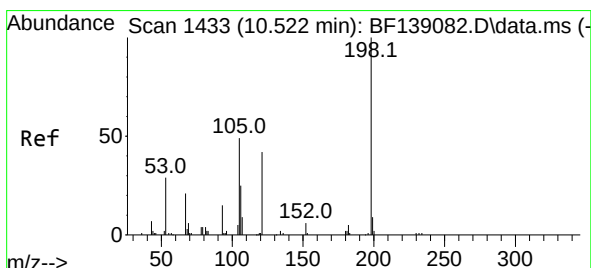
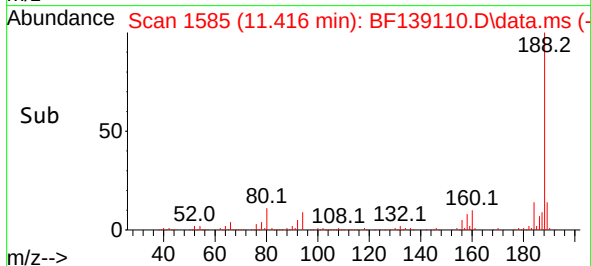
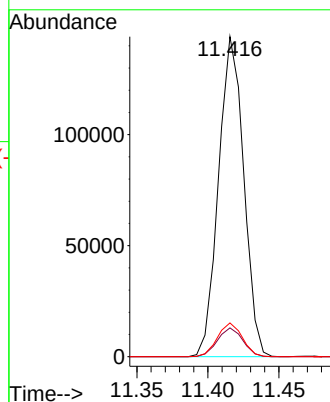
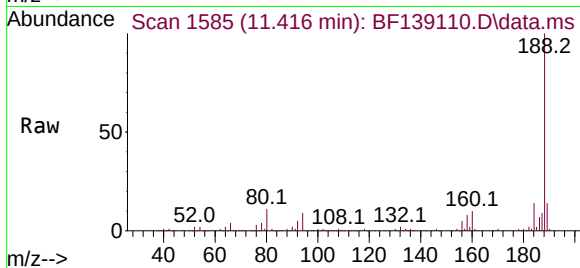
Tgt Ion:188 Resp: 177620

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 10.5 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 6.905 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

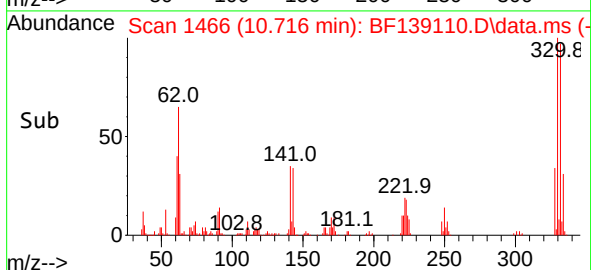
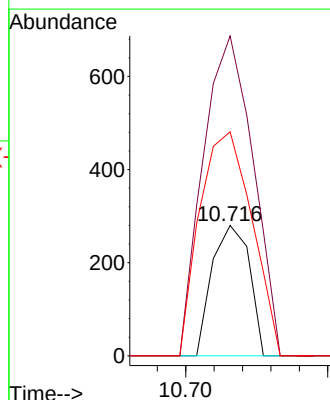
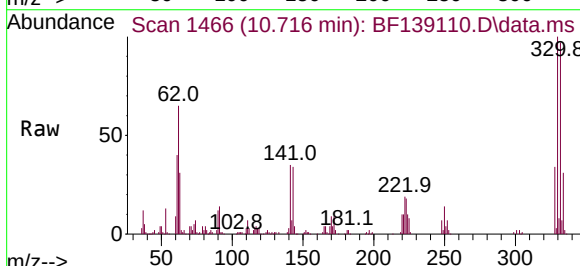
Tgt Ion:198 Resp: 256

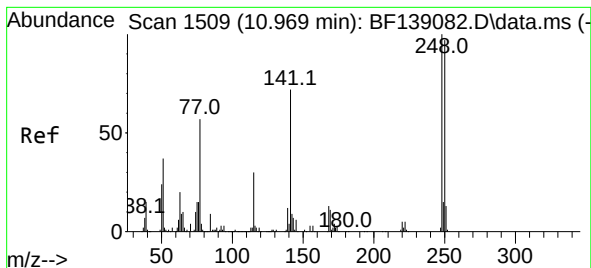
Ion Ratio Lower Upper

198 100

51 245.4 40.8 80.8#

105 171.8 30.9 70.9#

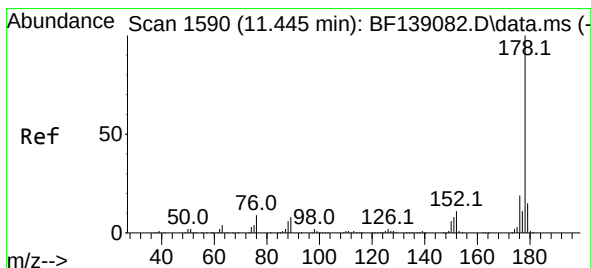
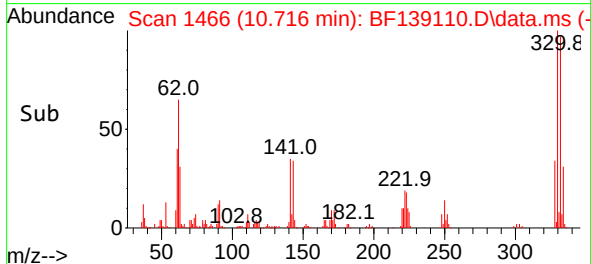
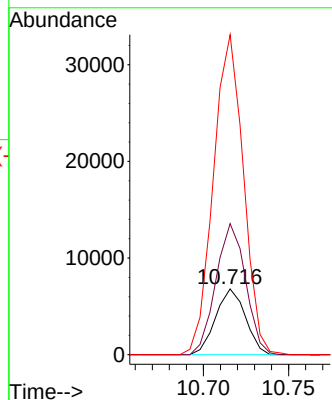
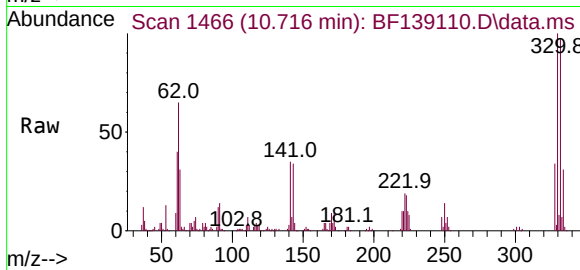




#67
4-Bromophenyl-phenylether
Concen: 4.398 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

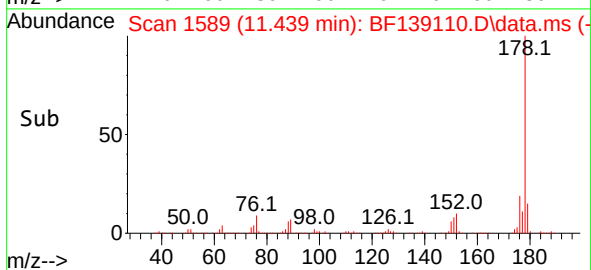
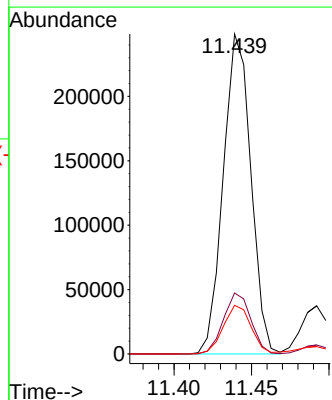
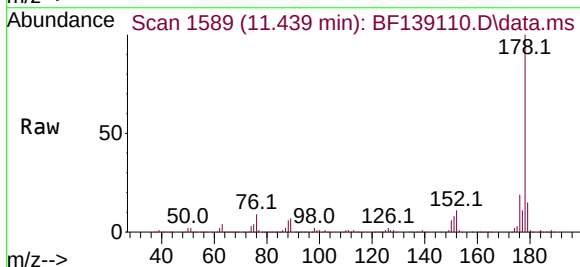
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

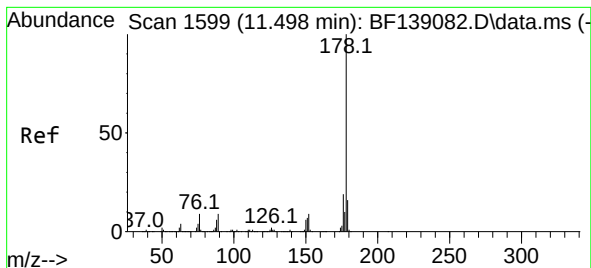
Tgt Ion:248 Resp: 8277
Ion Ratio Lower Upper
248 100
250 199.4 77.8 116.8#
141 486.7 57.9 86.9#



#71
Phenanthrene
Concen: 34.121 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:178 Resp: 308043
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.3 18.5





#72

Anthracene

Concen: 5.327 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

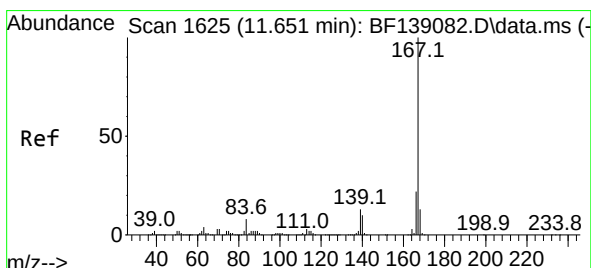
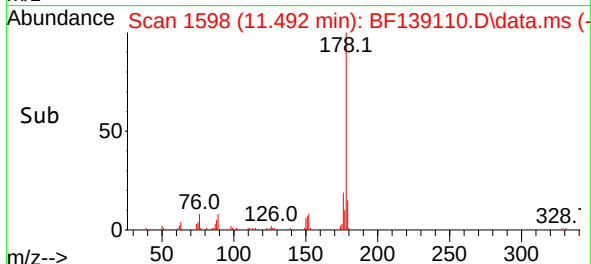
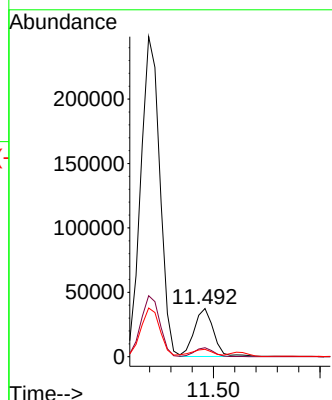
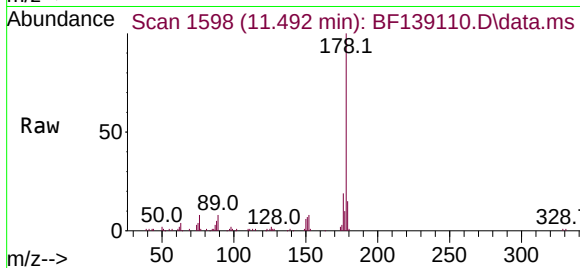
Tgt Ion:178 Resp: 47036

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.1 12.4 18.6



#73

Carbazole

Concen: 2.837 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

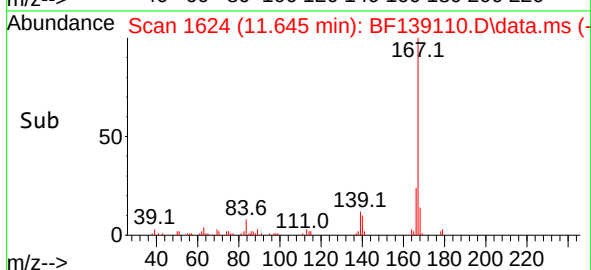
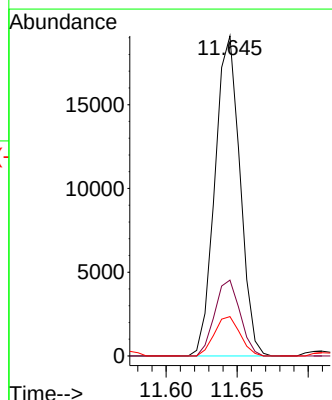
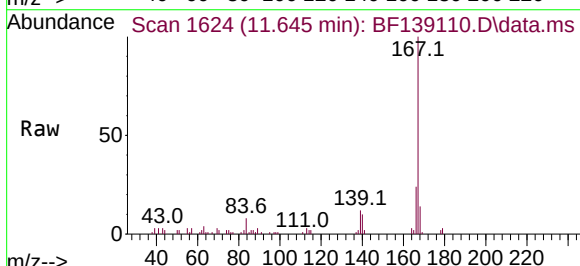
Tgt Ion:167 Resp: 23392

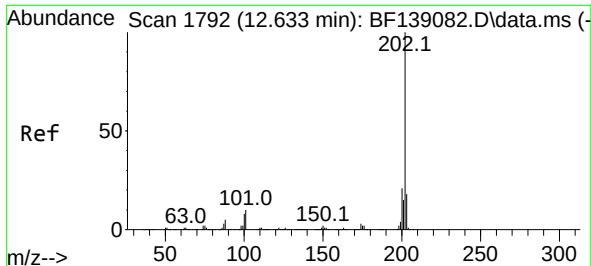
Ion Ratio Lower Upper

167 100

166 23.7 17.3 25.9

139 12.3 10.5 15.7

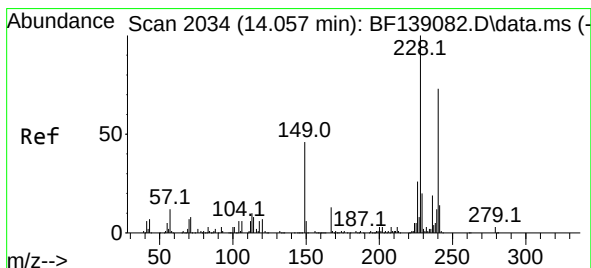
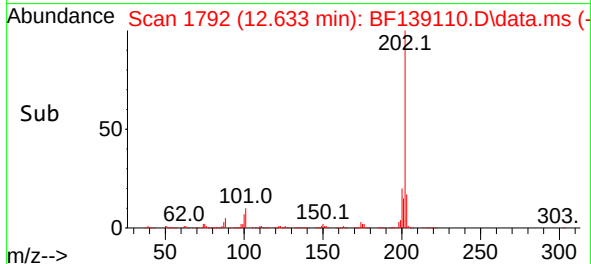
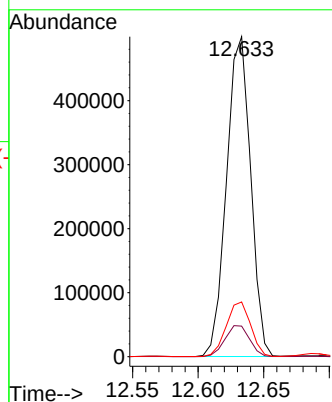
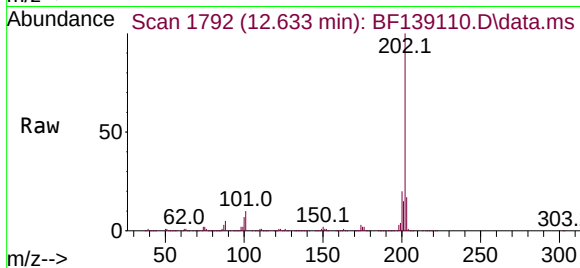




#75
Fluoranthene
Concen: 66.375 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

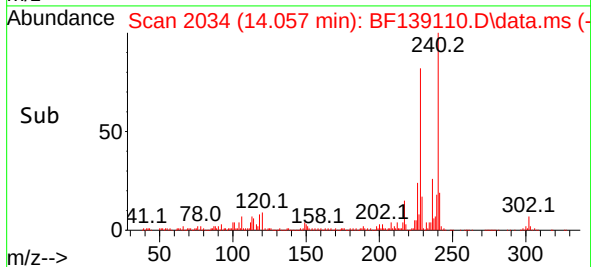
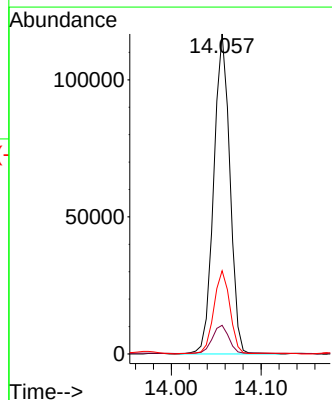
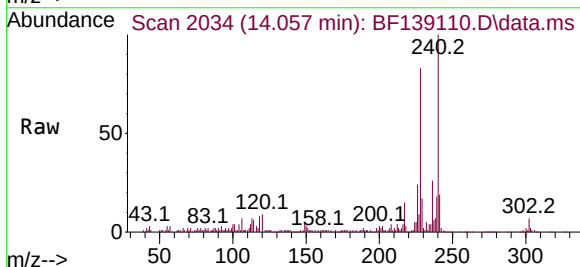
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

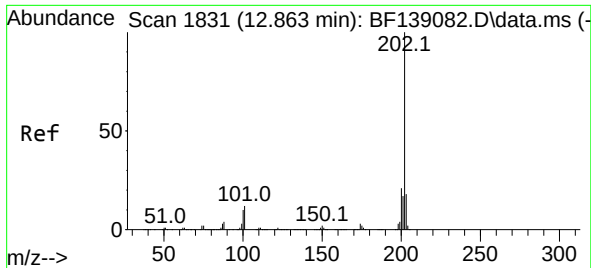
Tgt Ion:202 Resp: 639583
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:240 Resp: 146224
Ion Ratio Lower Upper
240 100
120 9.0 7.8 11.6
236 26.0 20.9 31.3

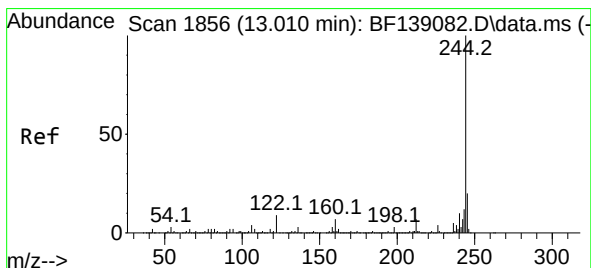
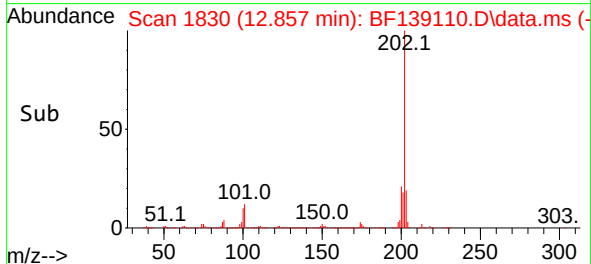
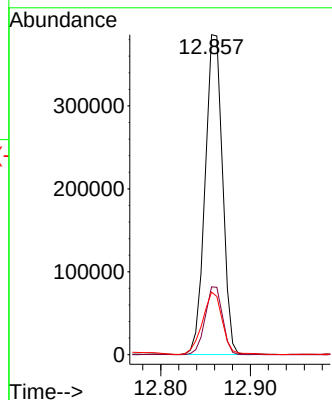
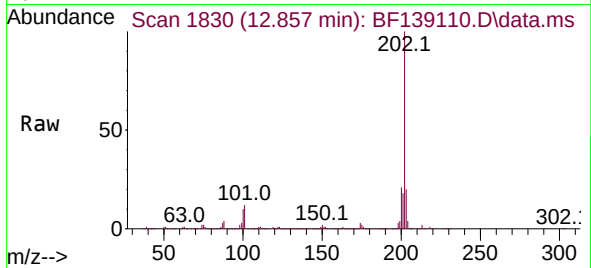




#78
Pyrene
Concen: 42.570 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

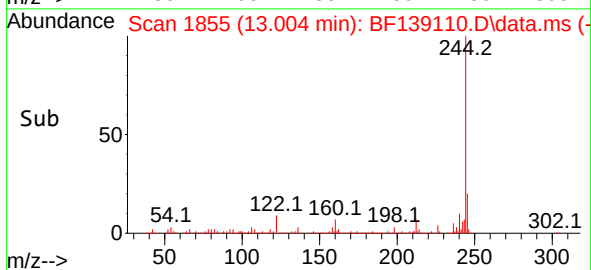
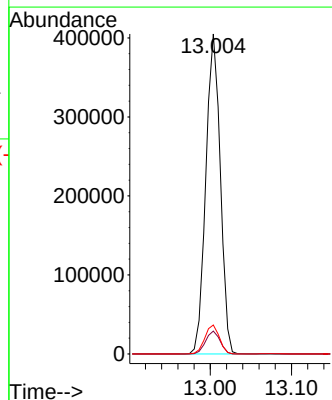
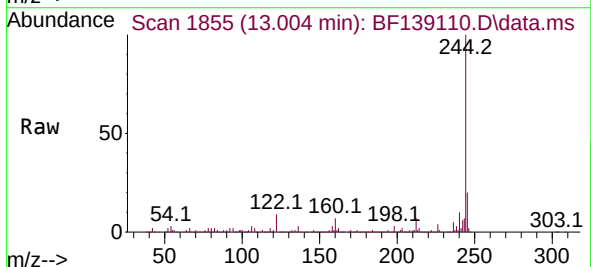
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

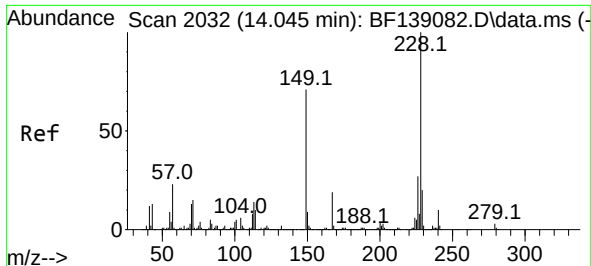
Tgt Ion:202 Resp: 519470
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 19.5 14.1 21.1



#79
Terphenyl-d14
Concen: 56.695 ng
RT: 13.004 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:244 Resp: 499624
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 9.1 7.6 11.4

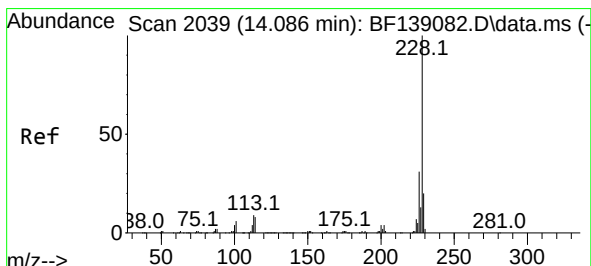
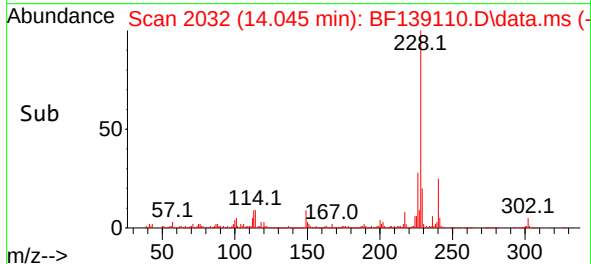
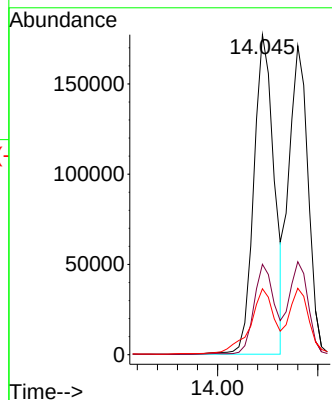
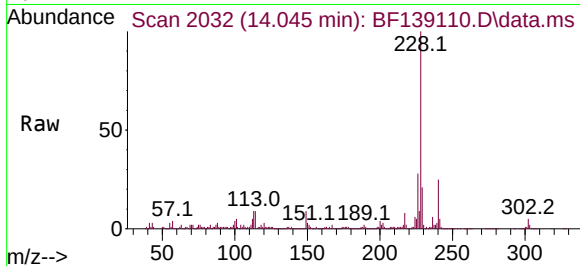




#81
Benzo(a)anthracene
Concen: 26.001 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

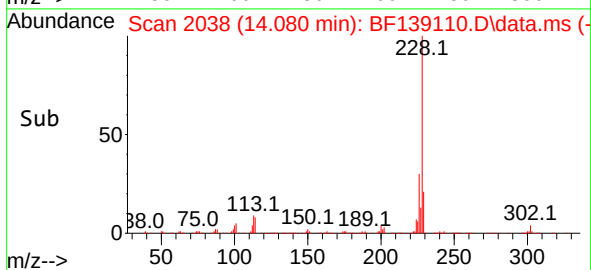
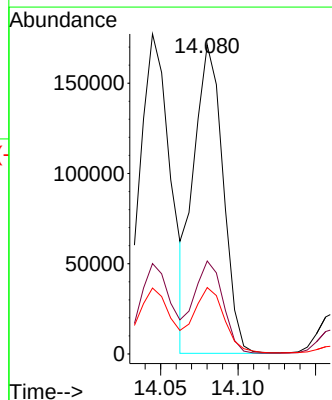
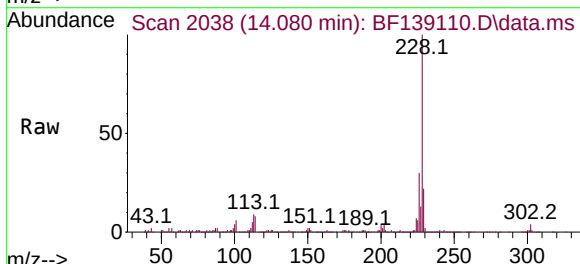
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

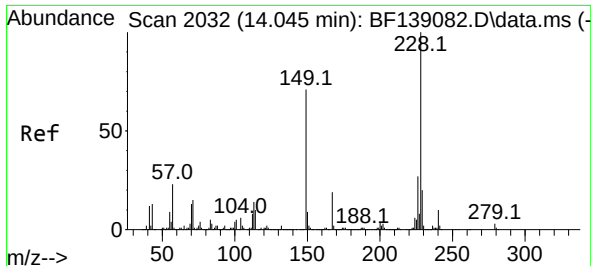
Tgt Ion:228 Resp: 249923
Ion Ratio Lower Upper
228 100
226 28.2 21.9 32.9
229 20.6 16.1 24.1



#83
Chrysene
Concen: 25.840 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:228 Resp: 225128
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.5 15.8 23.8

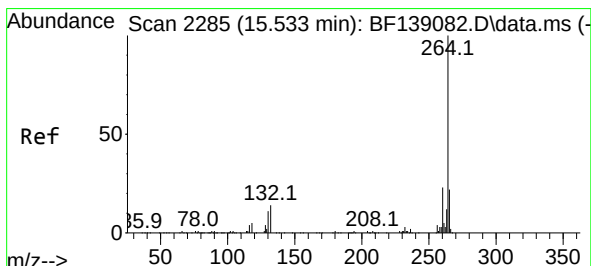
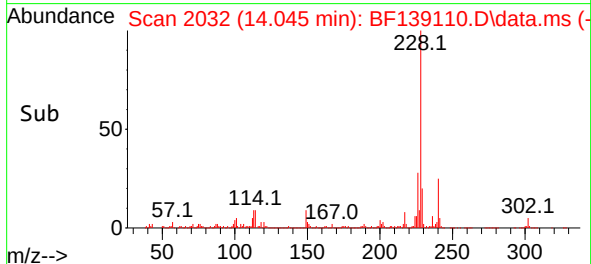
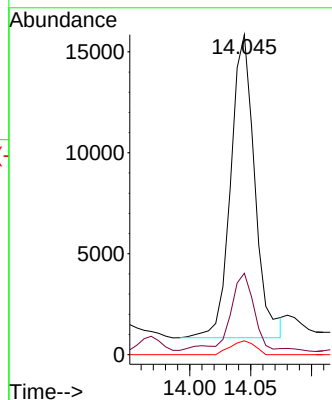
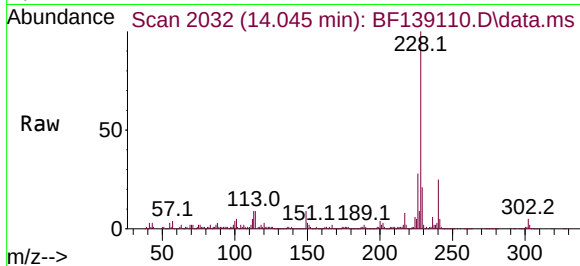




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.678 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

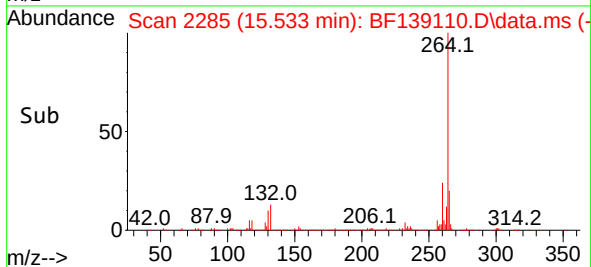
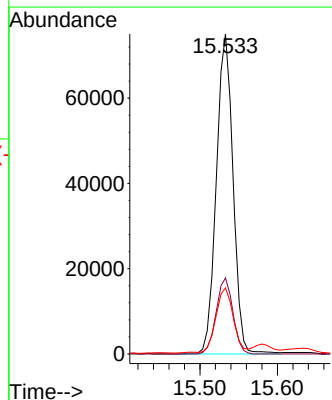
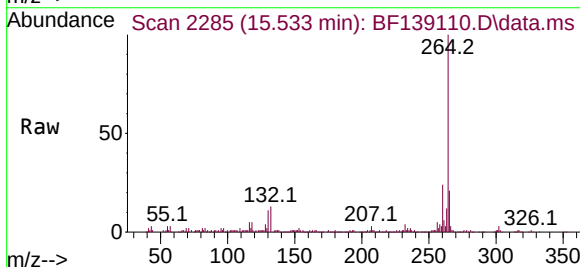
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

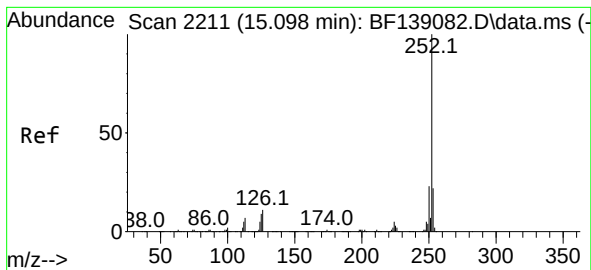
Tgt Ion:	149	Resp:	20586
Ion Ratio	Lower	Upper	
149	100		
167	25.4	21.8	32.6
279	4.4	3.5	5.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:	264	Resp:	112457
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	27.8
265	20.6	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 39.310 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624

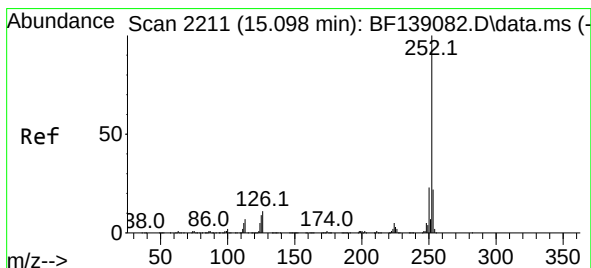
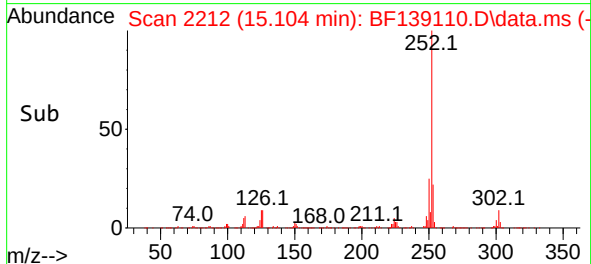
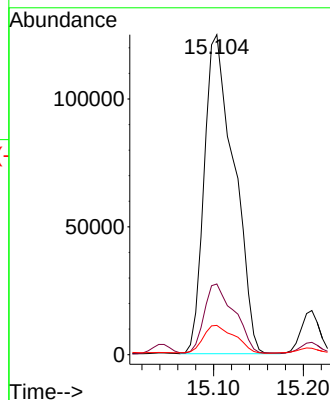
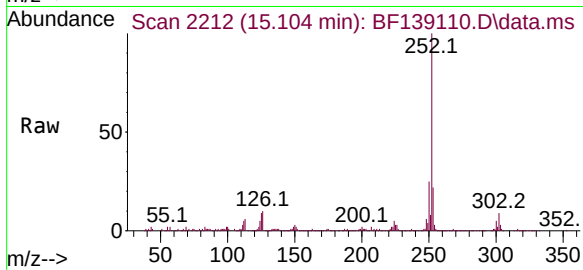
Tgt Ion:252 Resp: 288203

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.1 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 47.198 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139110.D

Acq: 21 Aug 2024 19:19

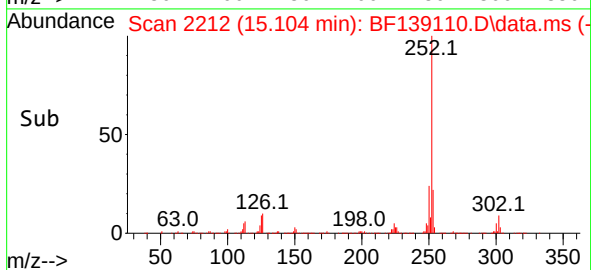
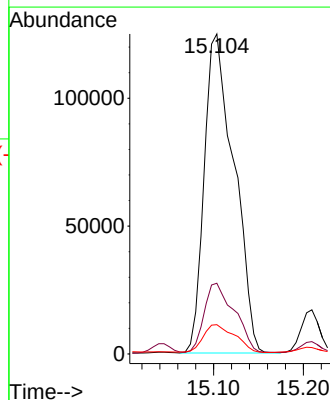
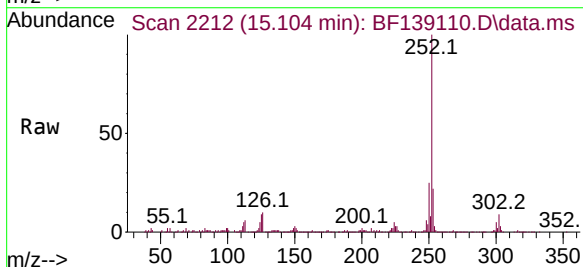
Tgt Ion:252 Resp: 288203

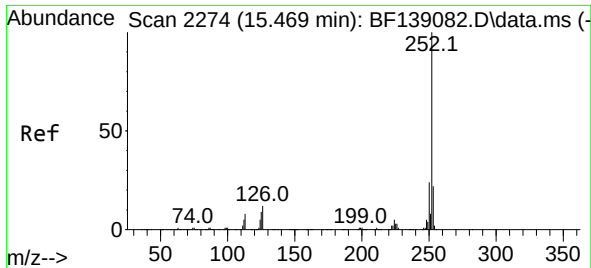
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.1 7.0 10.6

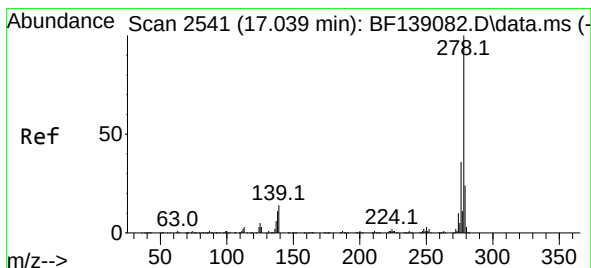
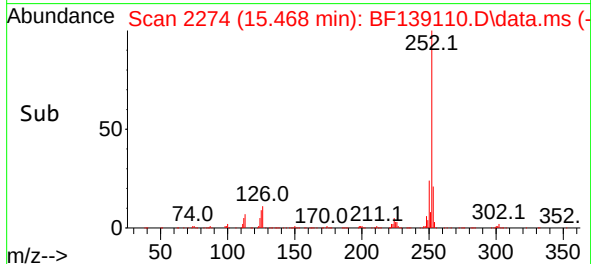
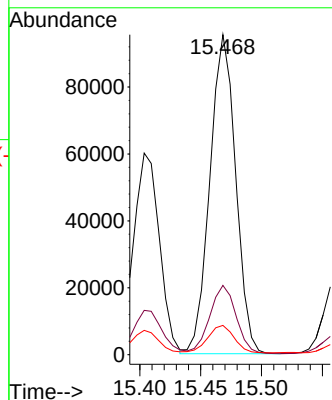
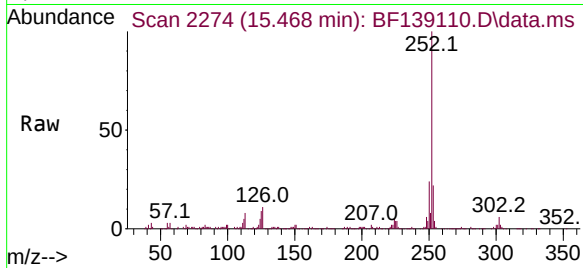




#90
Benzo(a)pyrene
Concen: 24.274 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

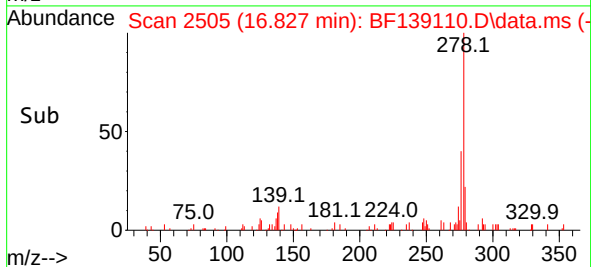
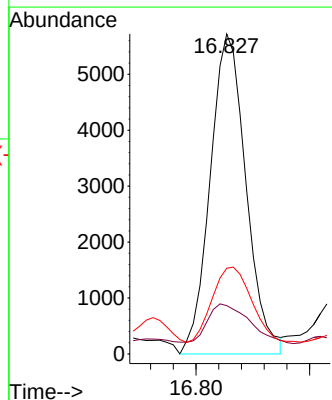
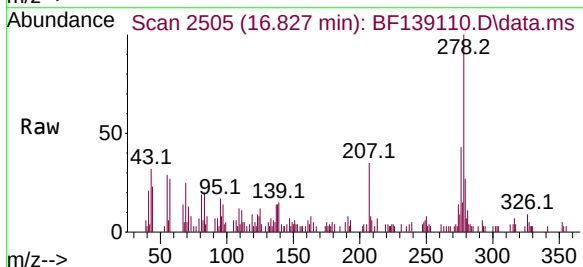
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-0.5-1-081624

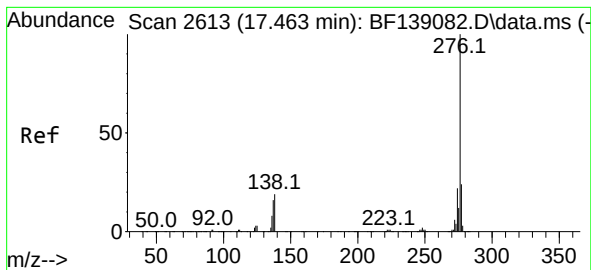
Tgt Ion:252 Resp: 140622
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 9.2 7.4 11.2



#91
Dibenzo(a,h)anthracene
Concen: 2.318 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.212 min
Lab File: BF139110.D
Acq: 21 Aug 2024 19:19

Tgt Ion:278 Resp: 12525
Ion Ratio Lower Upper
278 100
139 15.1 10.8 16.2
279 26.8 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 12.740 ng

RT: 17.456 min Scan# 20

Delta R.T. -0.007 min

Lab File: BF139110.D

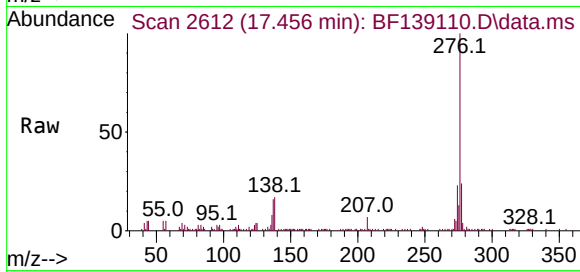
Acq: 21 Aug 2024 19:19

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-0.5-1-081624



Tgt Ion:276 Resp: 65187

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 17.0 15.0 22.4

