

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139449.D
 Acq On : 19 Sep 2024 02:26
 Operator : RC/JU
 Sample : P4097-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2299

Quant Time: Sep 19 03:32:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

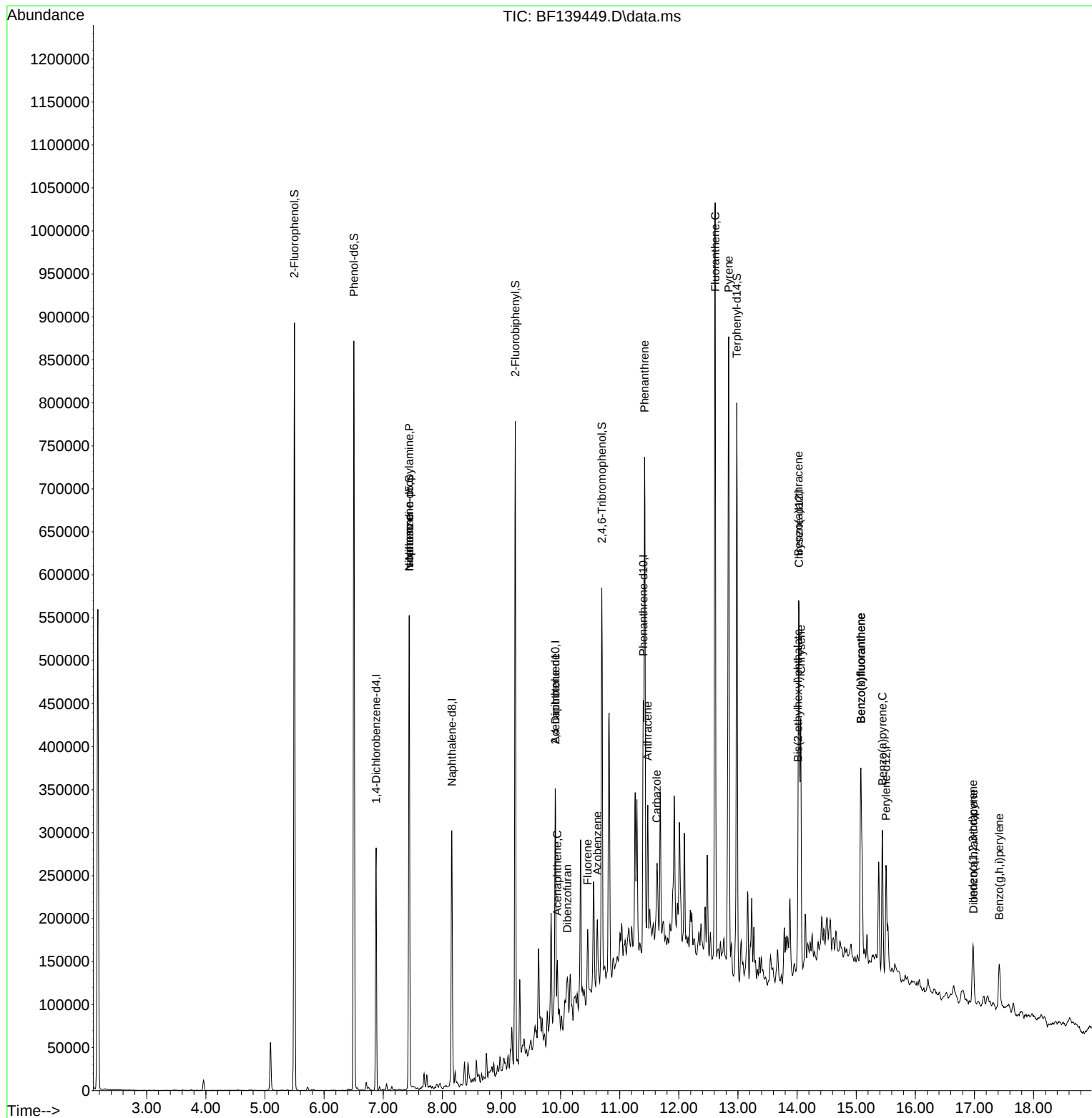
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	54345	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	176890	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	77557	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	140730	20.000	ng	0.00
76) Chrysene-d12	14.033	240	87116	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	73760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	278107	83.483	ng	0.00
7) Phenol-d6	6.504	99	349247	79.873	ng	0.00
23) Nitrobenzene-d5	7.439	82	218143	57.975	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	63889	77.377	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	301344	54.494	ng	0.00
79) Terphenyl-d14	12.980	244	298795	56.297	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	30428	11.743	ng	# 77
25) Isophorone	7.439	82	216711	36.417	ng	# 66
52) Acenaphthene	9.945	154	20939	4.467	ng	98
55) Dibenzofuran	10.116	168	15304	2.343	ng	# 97
57) 2,4-Dinitrotoluene	9.910	165	11146	7.321	ng	# 18
58) Fluorene	10.457	166	26883	5.044	ng	97
63) Azobenzene	10.622	77	18510	3.583	ng	# 4
71) Phenanthrene	11.422	178	288370	42.472	ng	99
72) Anthracene	11.474	178	87636	13.201	ng	99
73) Carbazole	11.627	167	35144	5.531	ng	97
75) Fluoranthene	12.616	202	513146	70.771	ng	100
78) Pyrene	12.845	202	436723	58.385	ng	99
81) Benzo(a)anthracene	14.027	228	175958	30.492	ng	99
83) Chrysene	14.063	228	143434	27.017	ng	97
84) Bis(2-ethylhexyl)phtha...	14.015	149	7315	2.258	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.974	276	54850	12.506	ng	96
88) Benzo(b)fluoranthene	15.080	252	199823	43.926	ng	98
89) Benzo(k)fluoranthene	15.080	252	199823	47.641	ng	# 99
90) Benzo(a)pyrene	15.445	252	98712	26.165	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	11822	3.262	ng	# 81
92) Benzo(g,h,i)perylene	17.421	276	50585	14.097	ng	98

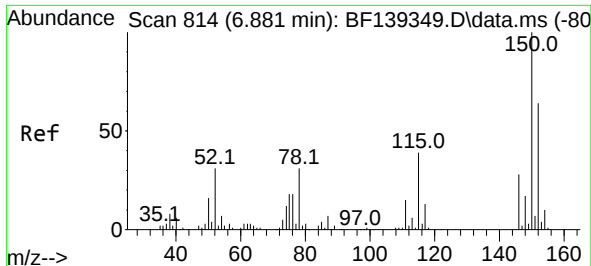
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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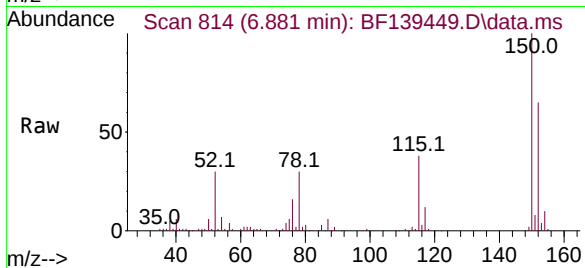
Quant Time: Sep 19 03:32:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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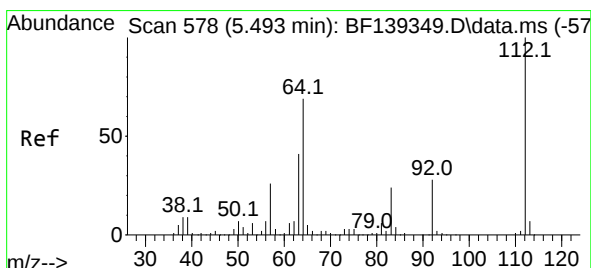
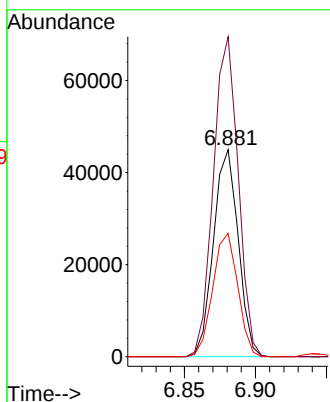
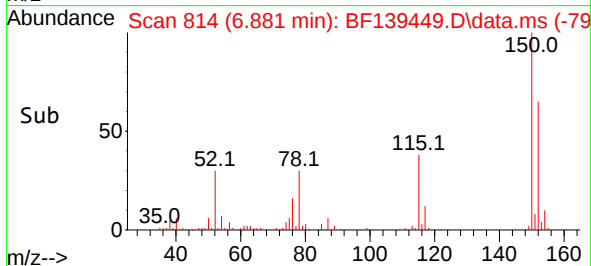


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Instrument :
BNA_F
ClientSampleId :
RT2299

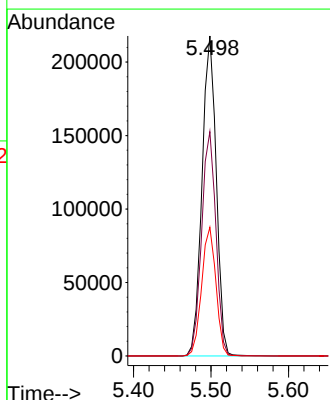
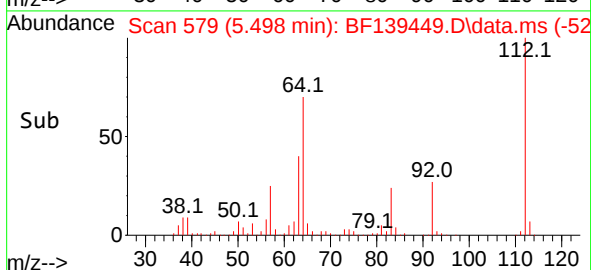
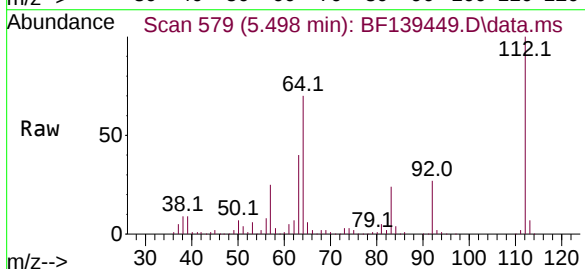


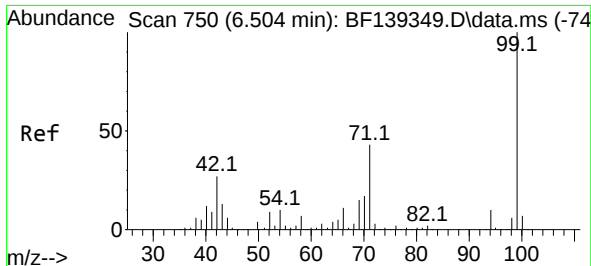
Tgt Ion:152 Resp: 54345
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 59.5 48.1 72.1



#5
2-Fluorophenol
Concen: 83.483 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

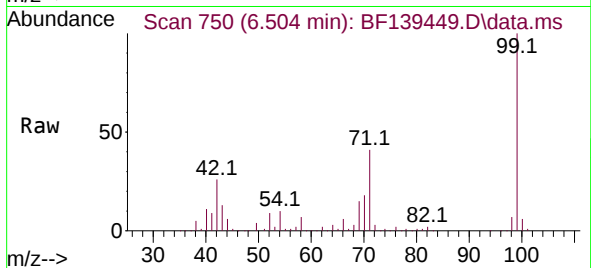
Tgt Ion:112 Resp: 278107
Ion Ratio Lower Upper
112 100
64 70.1 54.8 82.2
63 40.2 33.0 49.4



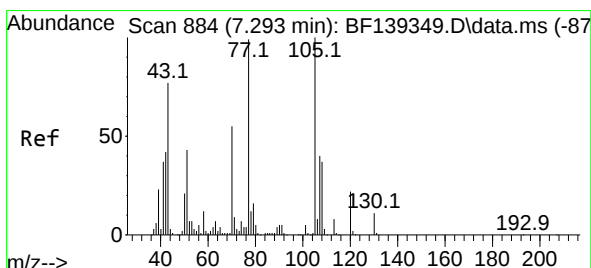
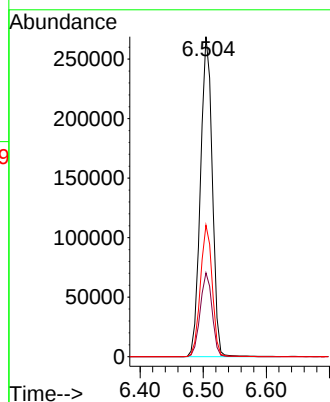
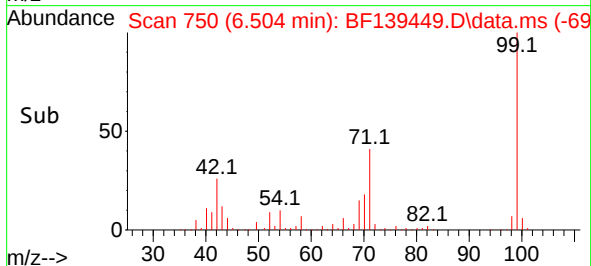


#7
Phenol-d6
Concen: 79.873 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

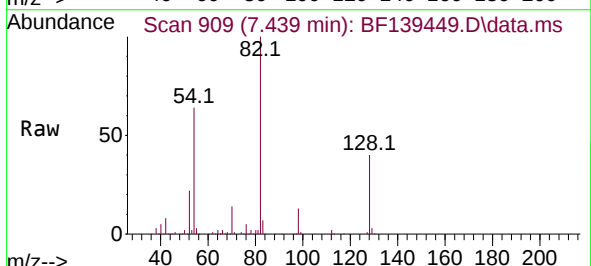
Instrument :
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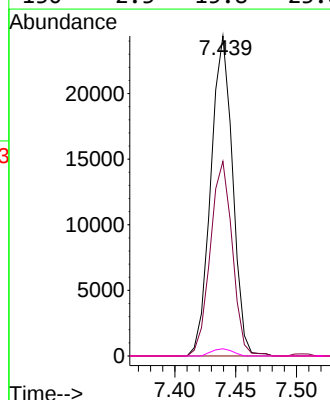
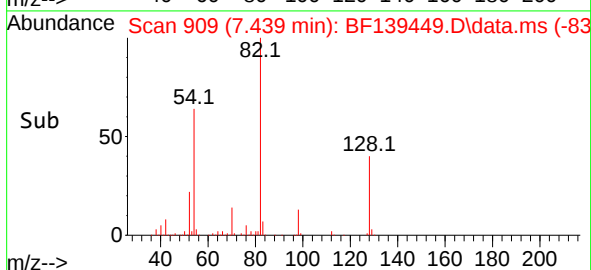
Tgt Ion: 99 Resp: 349247
Ion Ratio Lower Upper
99 100
42 26.2 21.9 32.9
71 41.1 34.6 52.0

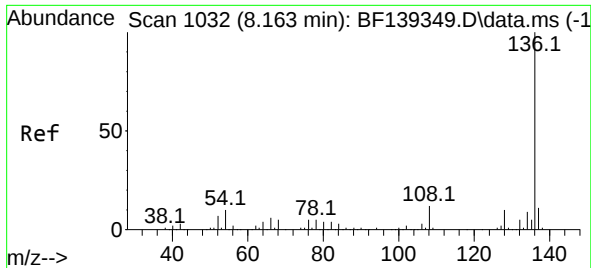


#19
n-Nitroso-di-n-propylamine
Concen: 11.743 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26



Tgt Ion: 70 Resp: 30428
Ion Ratio Lower Upper
70 100
42 60.8 61.2 91.8#
101 0.0 7.5 11.3#
130 2.3 15.8 23.8#

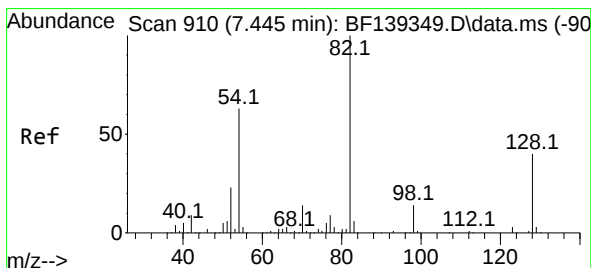
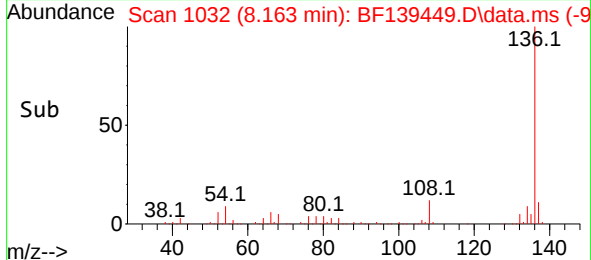
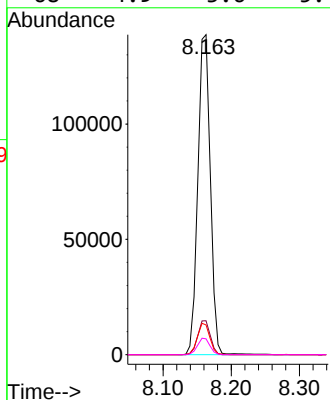
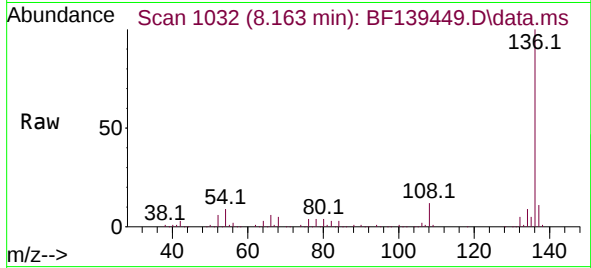




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

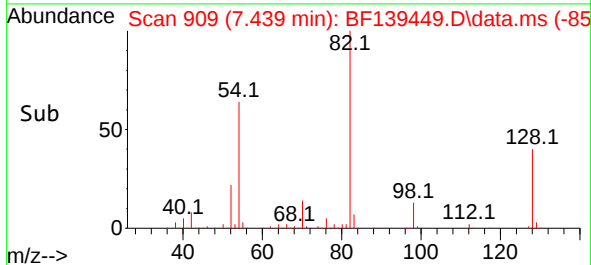
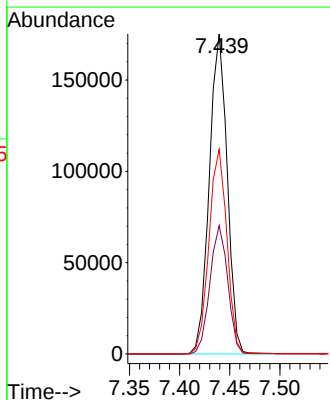
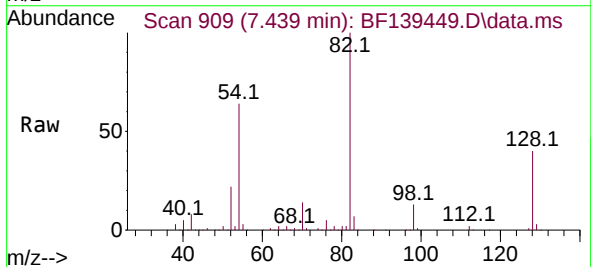
Instrument :
BNA_F
ClientSampleId :
RT2299

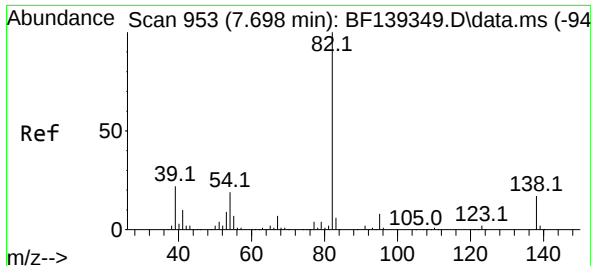
Tgt Ion:	136	Resp:	176890
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	9.3	7.8	11.8
68	4.9	3.6	5.4



#23
Nitrobenzene-d5
Concen: 57.975 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion:	82	Resp:	218143
Ion Ratio	Lower	Upper	
82	100		
128	40.1	31.8	47.6
54	64.0	50.6	75.8

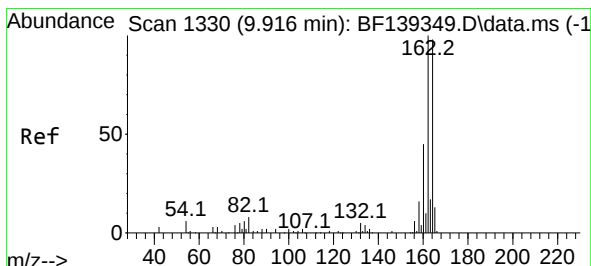
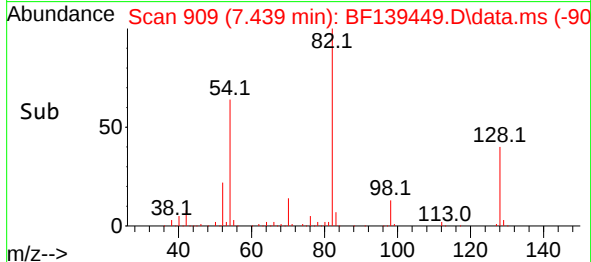
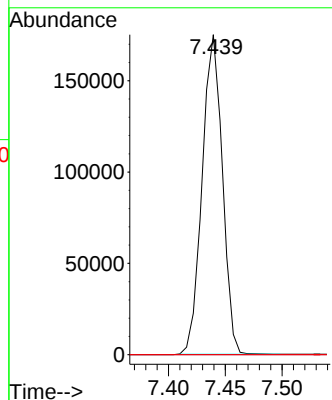
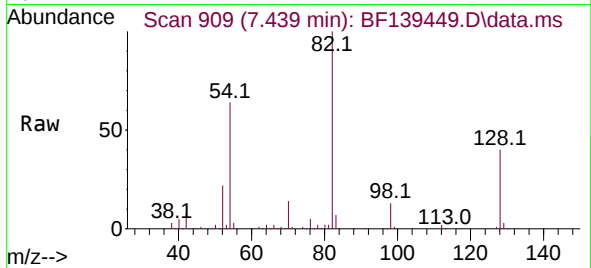




#25
Isophorone
Concen: 36.417 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

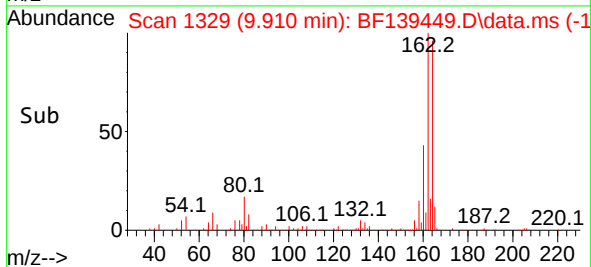
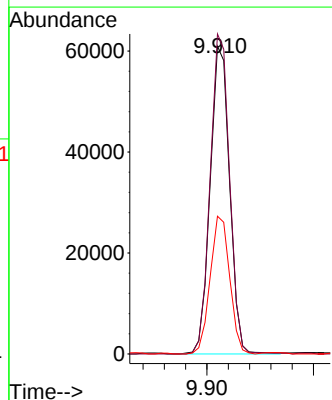
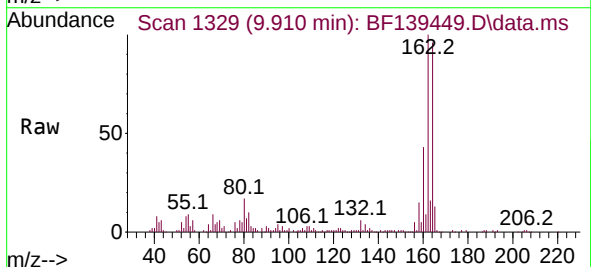
Instrument :
BNA_F
ClientSampleId :
RT2299

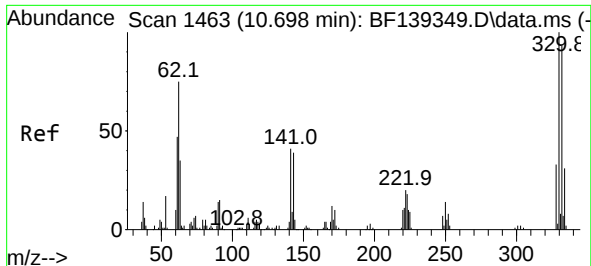
Tgt Ion: 82 Resp: 216711
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion: 164 Resp: 77557
Ion Ratio Lower Upper
164 100
162 104.0 81.3 121.9
160 44.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 77.377 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

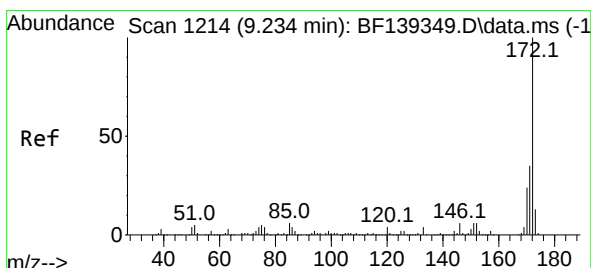
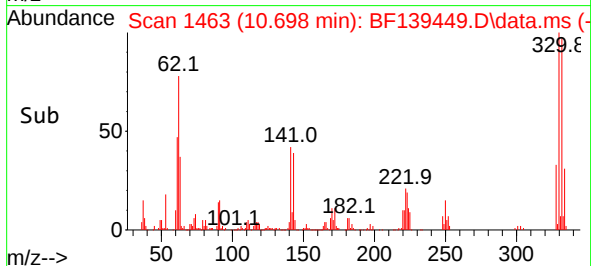
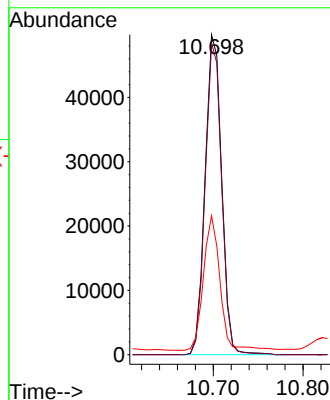
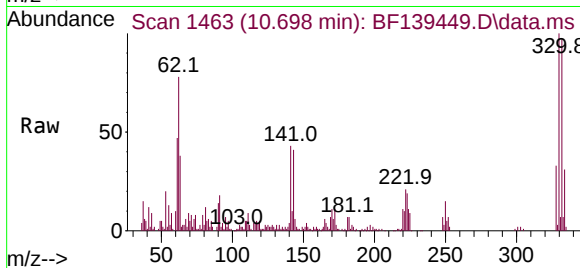
Tgt Ion:330 Resp: 63889

Ion Ratio Lower Upper

330 100

332 96.3 75.2 112.8

141 42.1 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 54.494 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

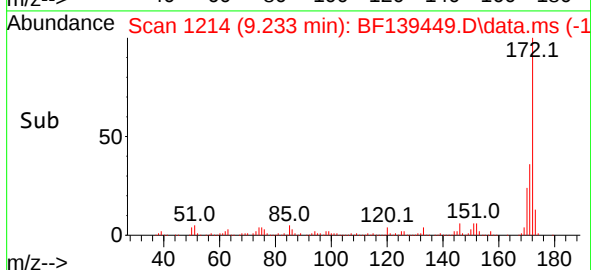
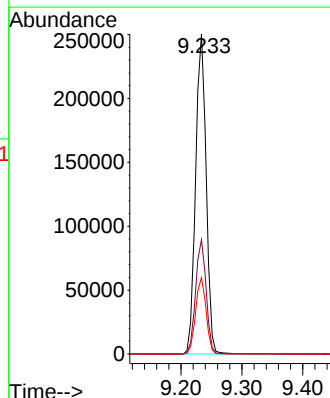
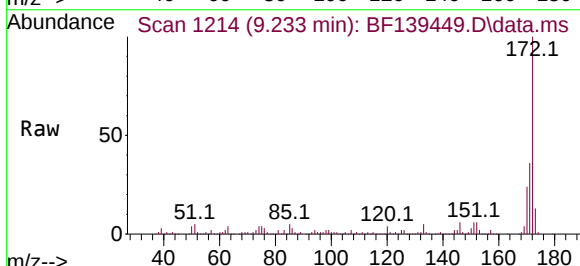
Tgt Ion:172 Resp: 301344

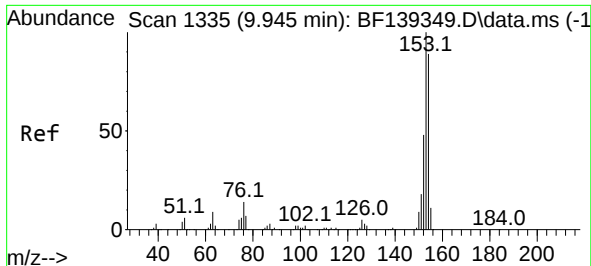
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.9 19.0 28.6

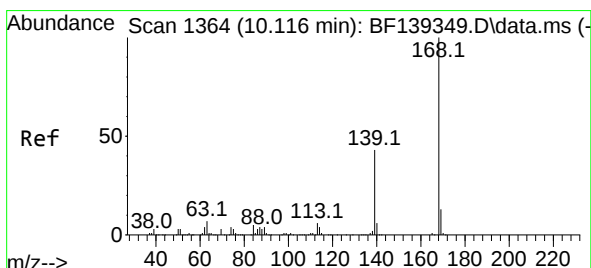
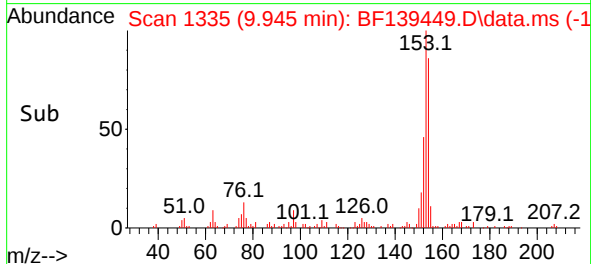
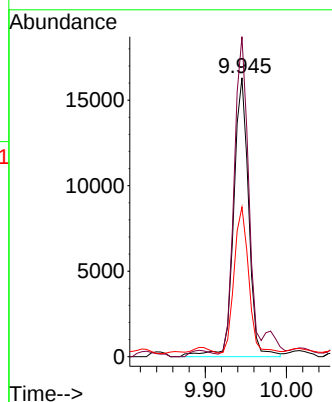
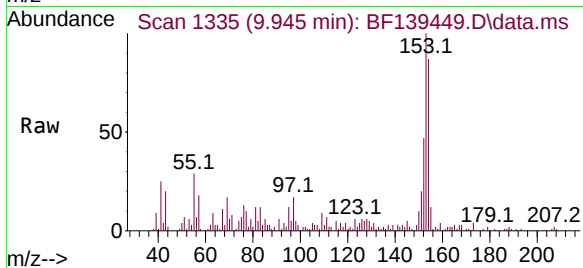




#52
Acenaphthene
Concen: 4.467 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

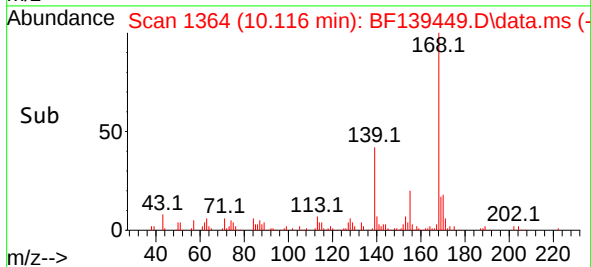
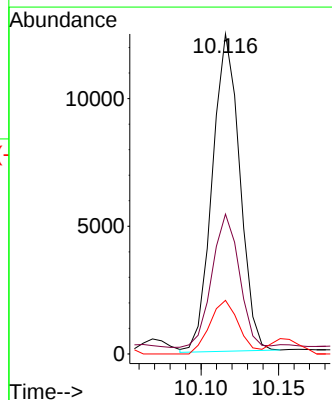
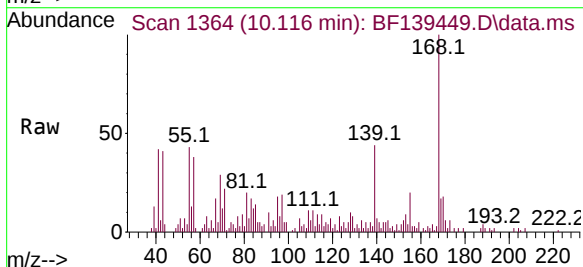
Instrument :
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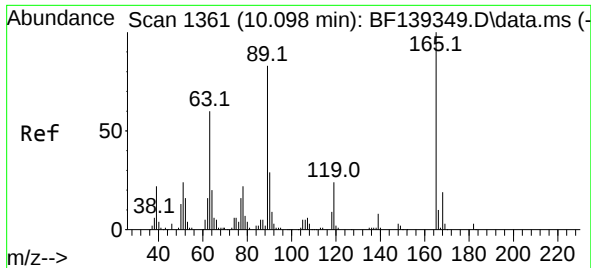
Tgt Ion:154 Resp: 20939
Ion Ratio Lower Upper
154 100
153 114.8 89.5 134.3
152 53.6 42.6 64.0



#55
Dibenzofuran
Concen: 2.343 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion:168 Resp: 15304
Ion Ratio Lower Upper
168 100
139 43.7 34.1 51.1
169 16.8 10.5 15.7#

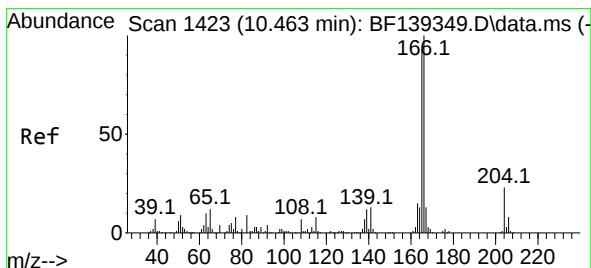
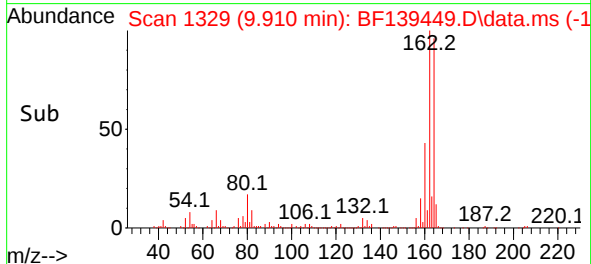
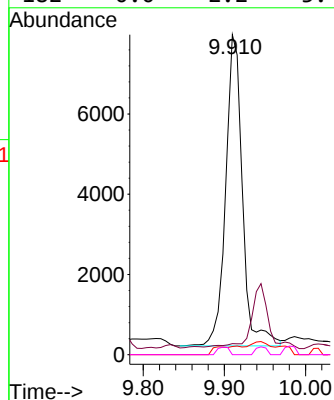
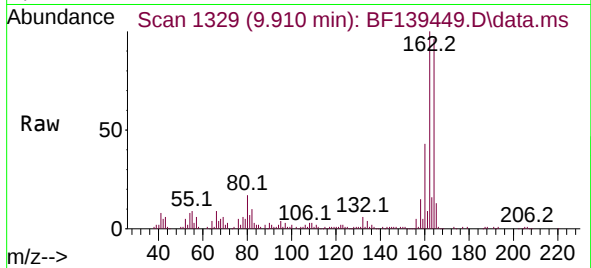




#57
2,4-Dinitrotoluene
Concen: 7.321 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

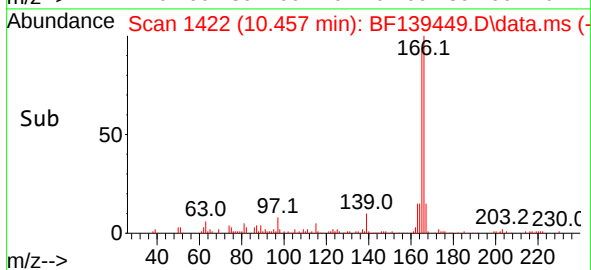
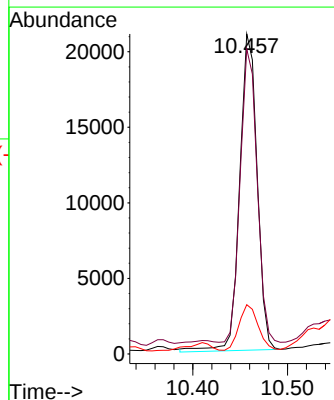
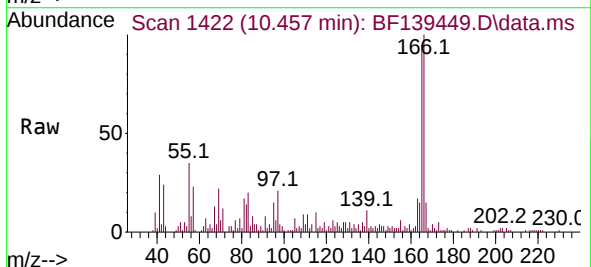
Instrument :
BNA_F
ClientSampleId :
RT2299

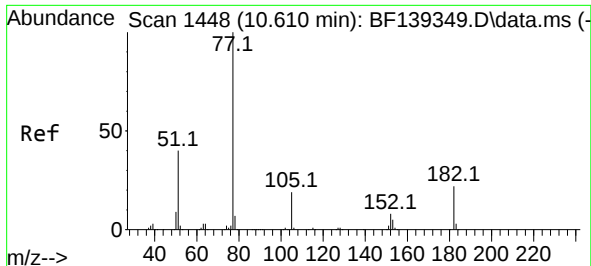
Tgt Ion:165 Resp: 11146
Ion Ratio Lower Upper
165 100
63 3.4 47.8 71.6#
89 2.5 66.7 100.1#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 5.044 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion:166 Resp: 26883
Ion Ratio Lower Upper
166 100
165 95.2 74.5 111.7
167 15.4 10.6 16.0

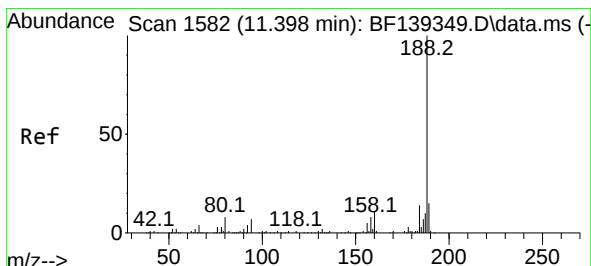
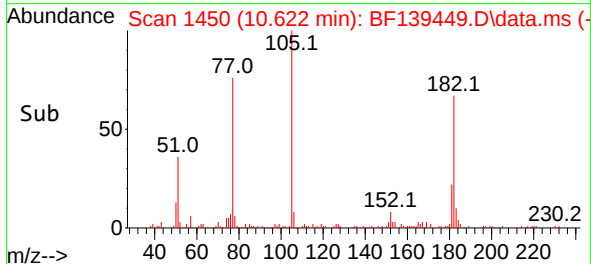
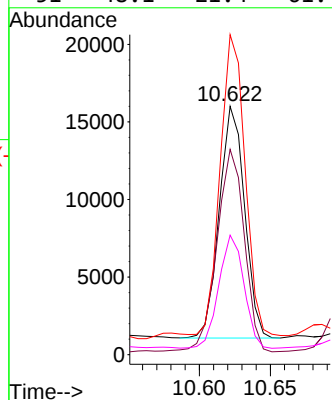
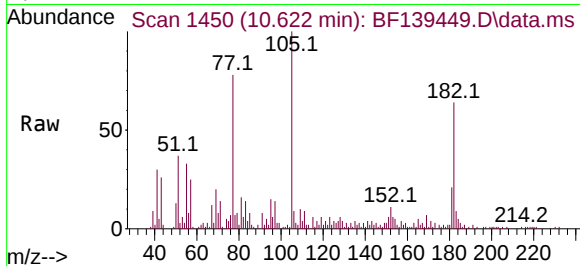




#63
Azobenzene
Concen: 3.583 ng
RT: 10.622 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

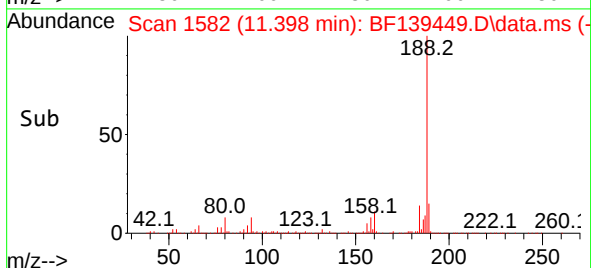
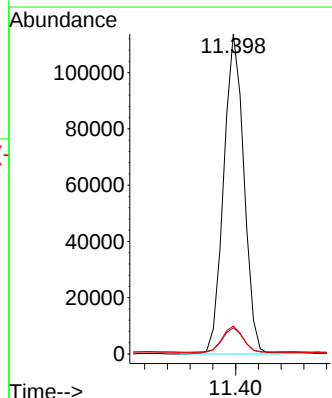
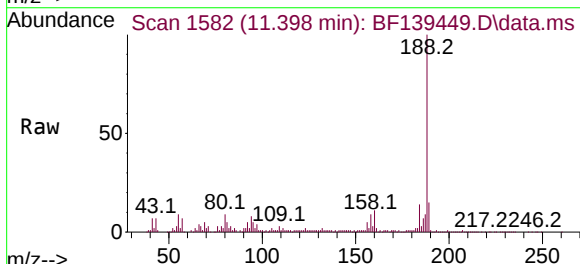
Instrument :
BNA_F
ClientSampleId :
RT2299

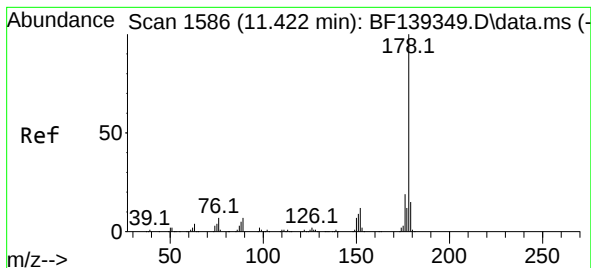
Tgt Ion: 77	Resp: 18510
Ion Ratio	Lower Upper
77 100	
182 82.6	1.8 41.8#
105 128.8	0.0 38.6#
51 48.1	21.4 61.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion: 188	Resp: 140730
Ion Ratio	Lower Upper
188 100	
94 8.2	5.5 8.3
80 8.8	6.6 9.8





#71

Phenanthrene

Concen: 42.472 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

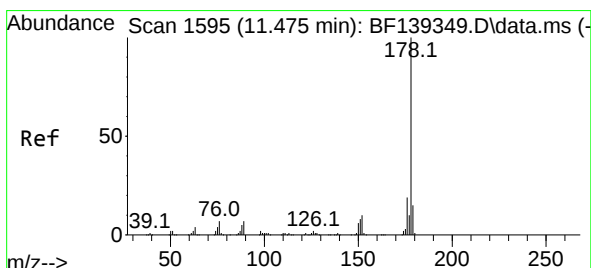
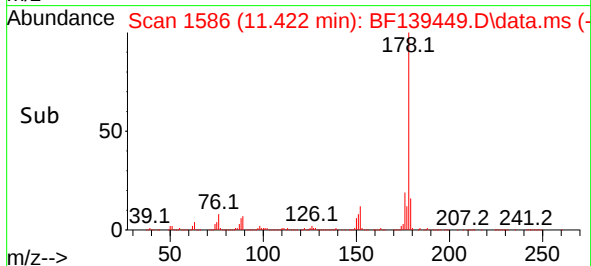
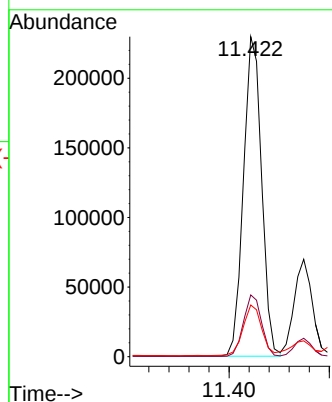
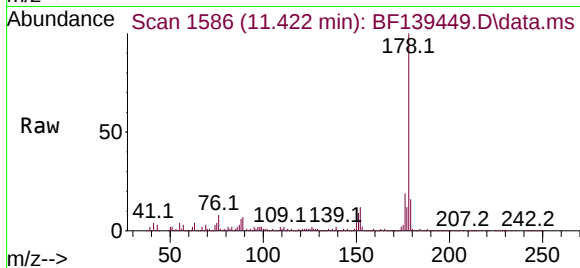
Tgt Ion:178 Resp: 288370

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 16.1 12.2 18.4



#72

Anthracene

Concen: 13.201 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

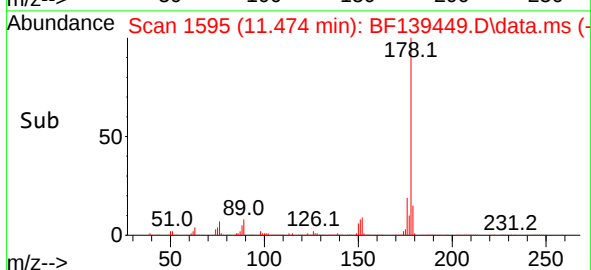
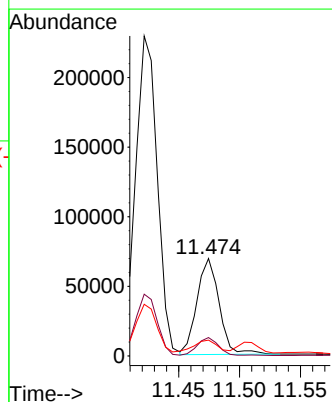
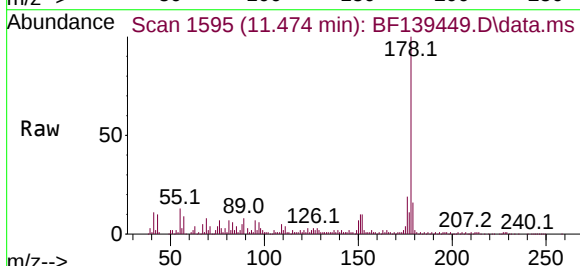
Tgt Ion:178 Resp: 87636

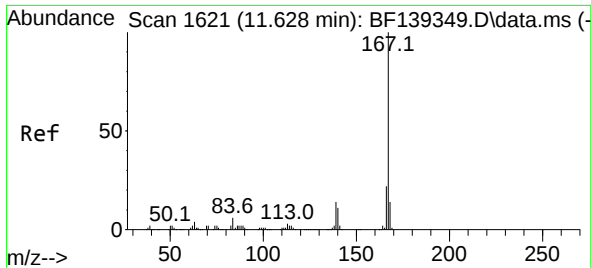
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 16.2 12.0 18.0

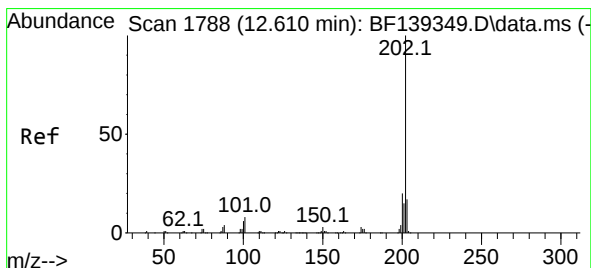
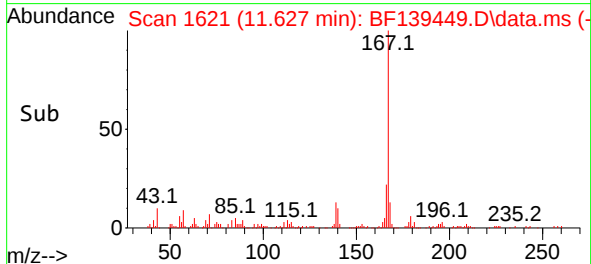
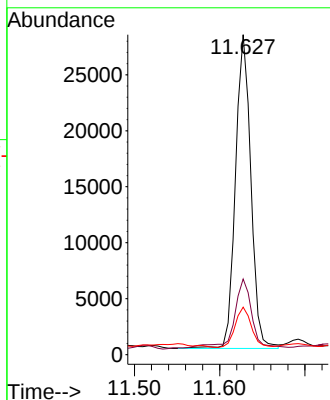
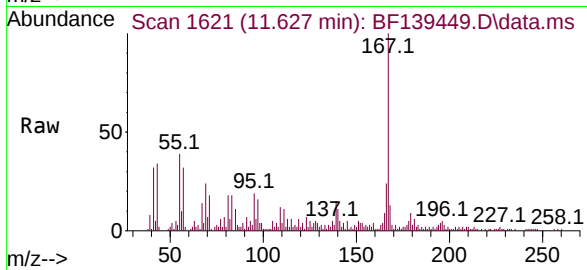




#73
Carbazole
Concen: 5.531 ng
RT: 11.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

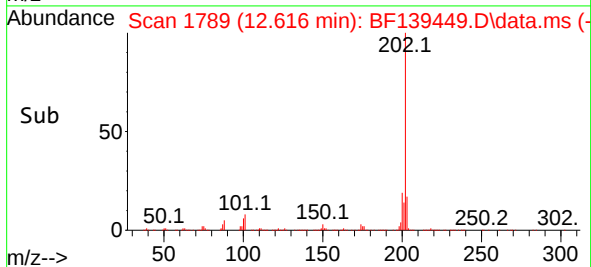
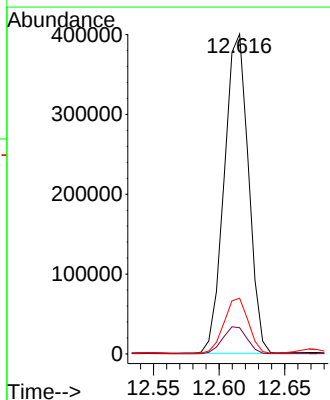
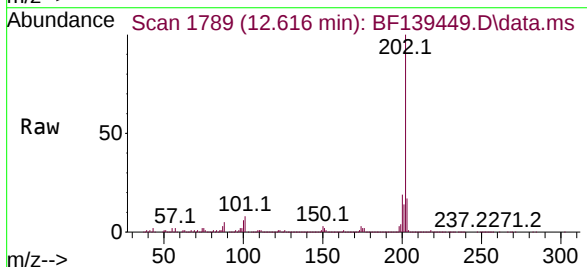
Instrument :
BNA_F
ClientSampleId :
RT2299

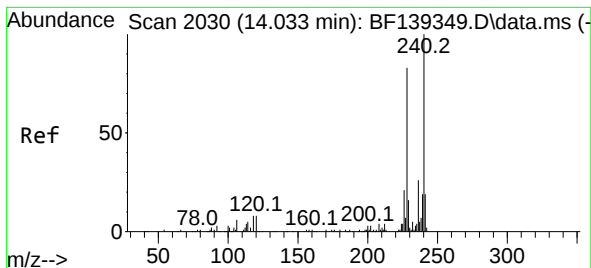
Tgt Ion:	167	Resp:	35144
Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.5	26.3
139	14.8	10.9	16.3



#75
Fluoranthene
Concen: 70.771 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF139449.D
Acq: 19 Sep 2024 02:26

Tgt Ion:	202	Resp:	513146
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.7
203	17.4	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

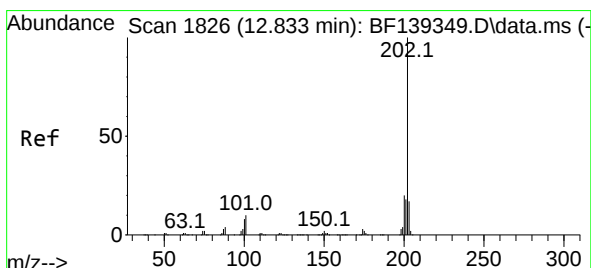
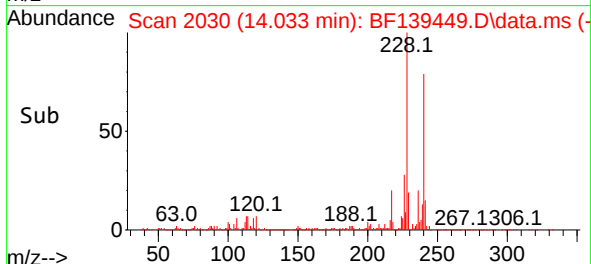
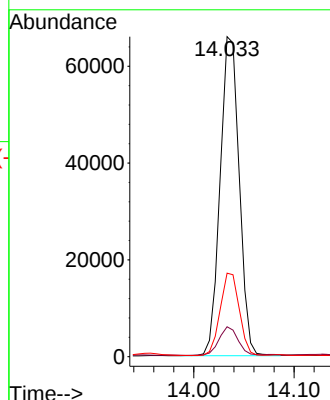
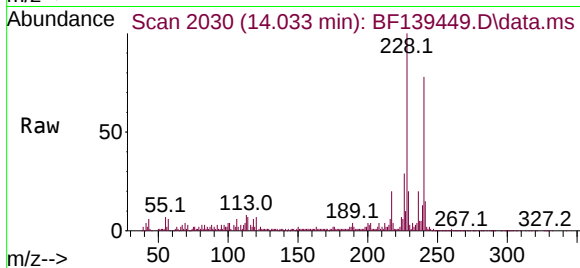
Tgt Ion:240 Resp: 87116

Ion Ratio Lower Upper

240 100

120 9.4 6.2 9.2#

236 26.1 20.9 31.3



#78

Pyrene

Concen: 58.385 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.012 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

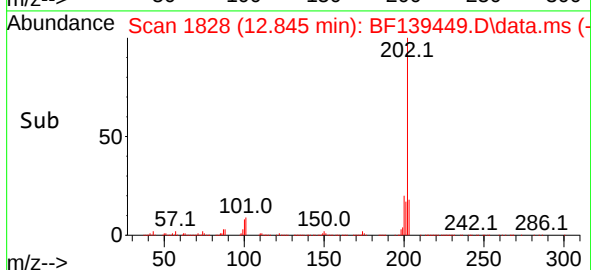
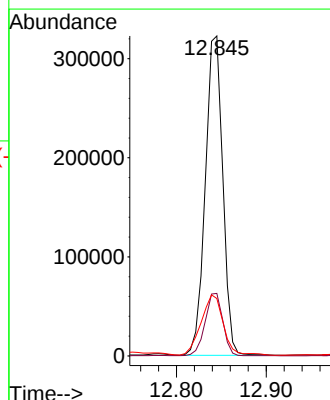
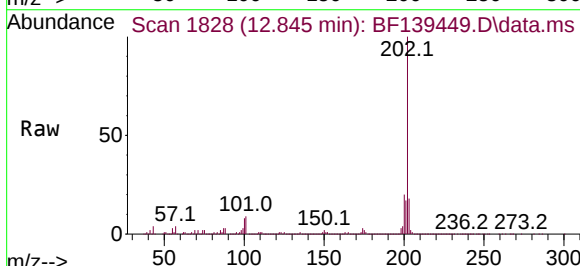
Tgt Ion:202 Resp: 436723

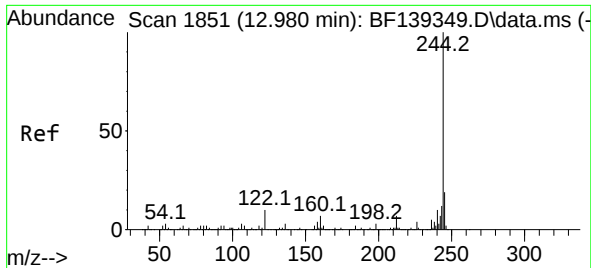
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 17.9 13.9 20.9

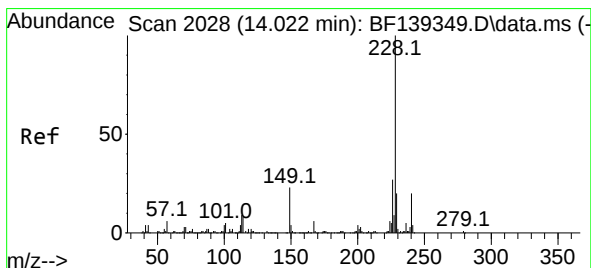
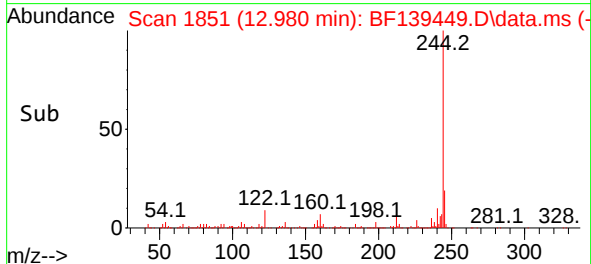
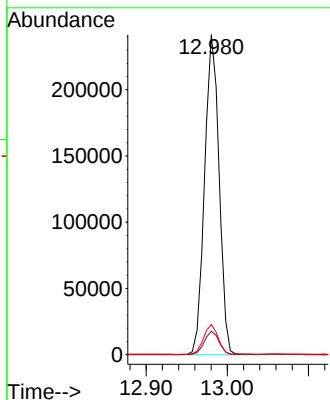
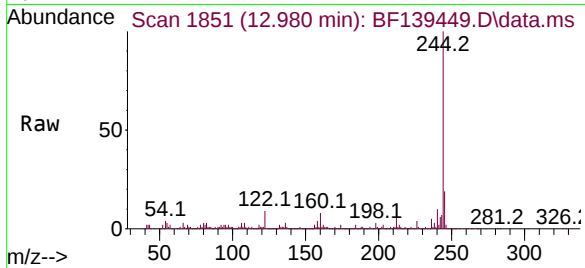




#79
 Terphenyl-d14
 Concen: 56.297 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

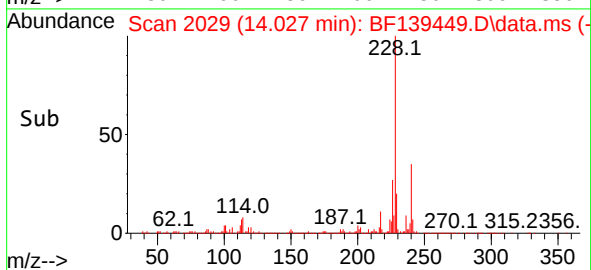
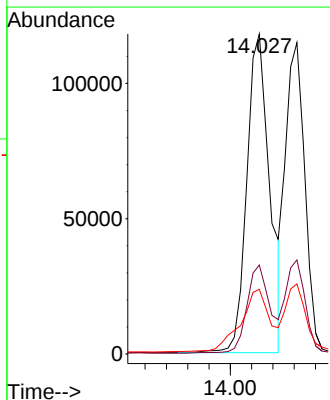
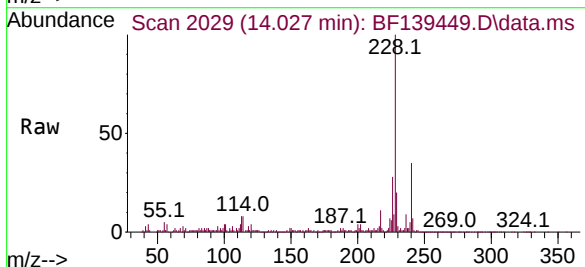
Instrument :
 BNA_F
 ClientSampleId :
 RT2299

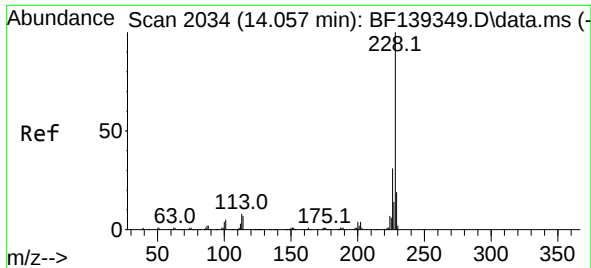
Tgt Ion:244 Resp: 298795
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.4 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 30.492 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.006 min
 Lab File: BF139449.D
 Acq: 19 Sep 2024 02:26

Tgt Ion:228 Resp: 175958
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 20.2 15.7 23.5





#83

Chrysene

Concen: 27.017 ng

RT: 14.063 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

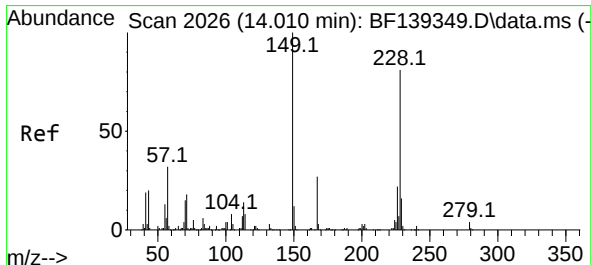
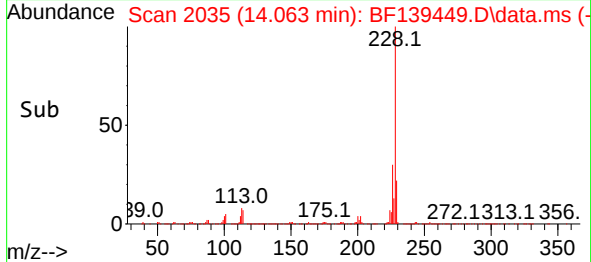
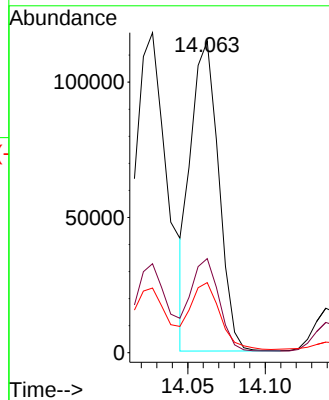
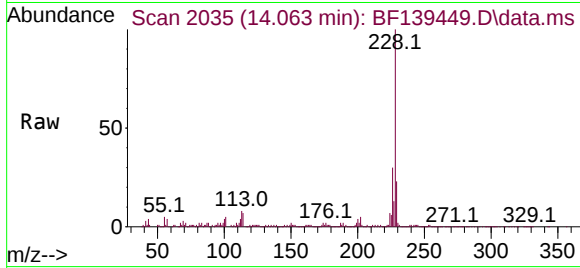
Tgt Ion:228 Resp: 143434

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 22.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.258 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

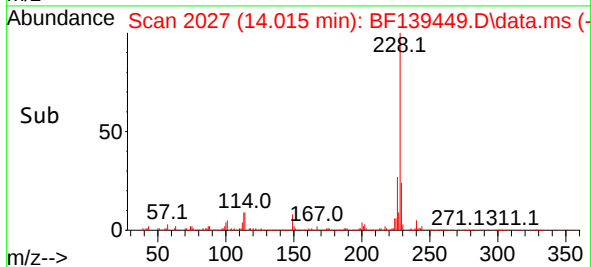
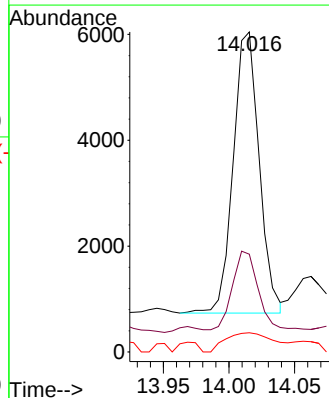
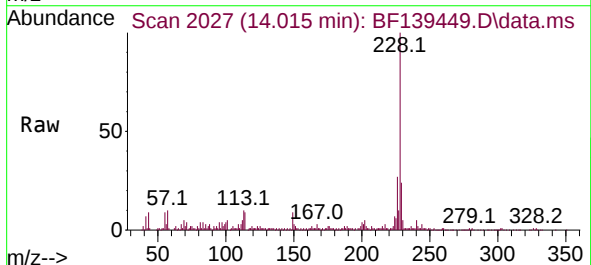
Tgt Ion:149 Resp: 7315

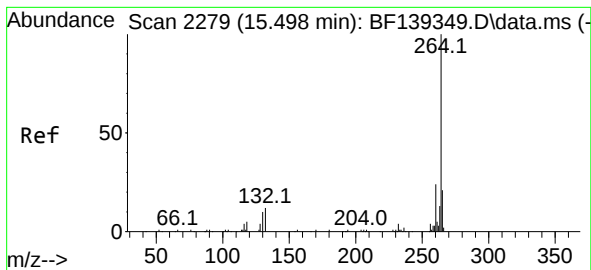
Ion Ratio Lower Upper

149 100

167 30.5 21.6 32.4

279 6.0 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

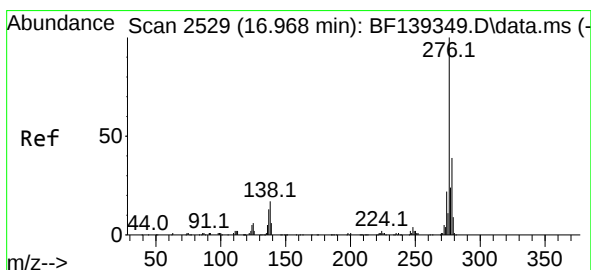
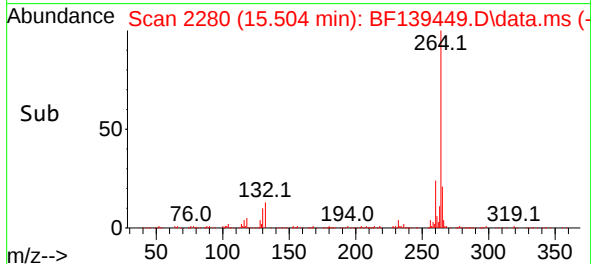
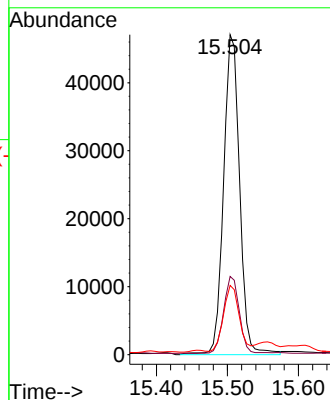
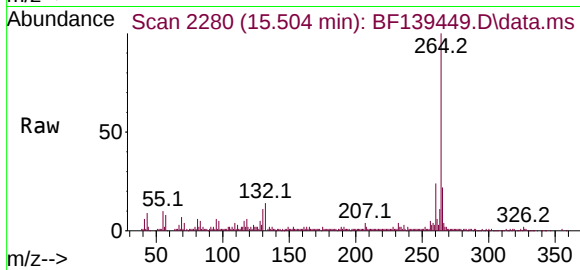
Tgt Ion:264 Resp: 73760

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.506 ng

RT: 16.974 min Scan# 2530

Delta R.T. 0.006 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

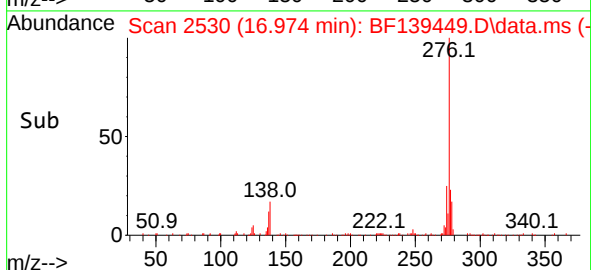
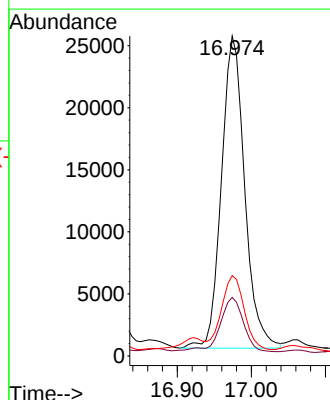
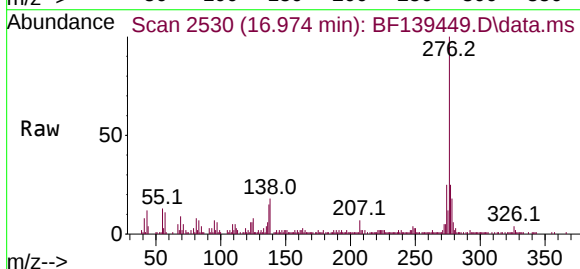
Tgt Ion:276 Resp: 54850

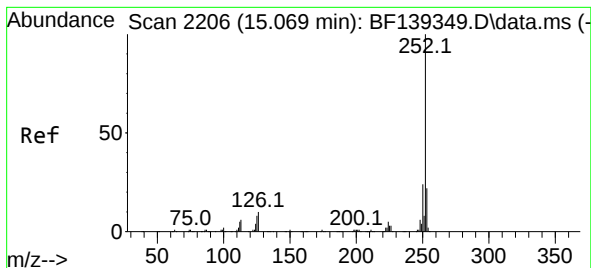
Ion Ratio Lower Upper

276 100

138 18.5 15.4 23.2

277 23.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 43.926 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

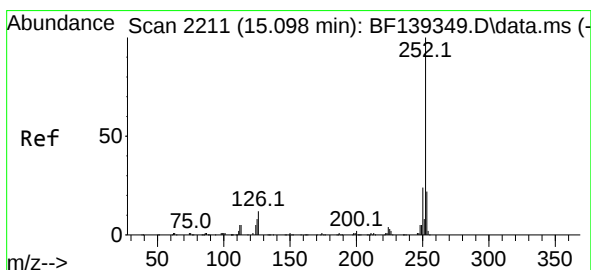
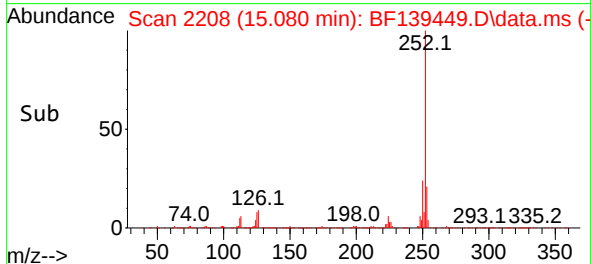
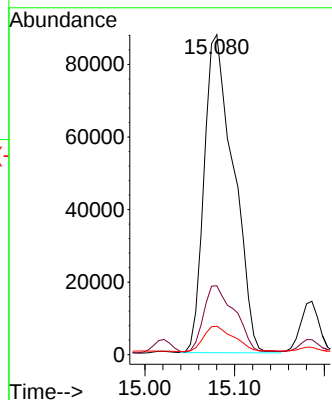
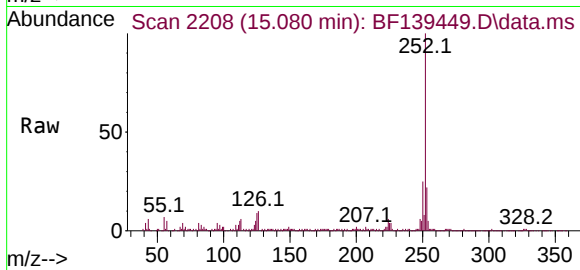
Tgt Ion:252 Resp: 199823

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 8.9 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 47.641 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

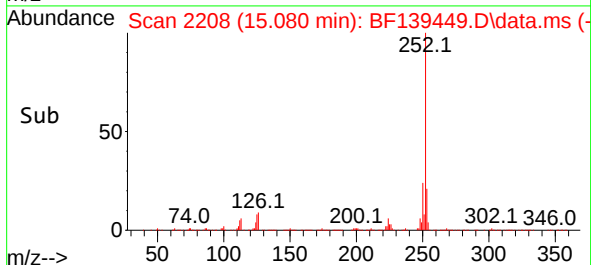
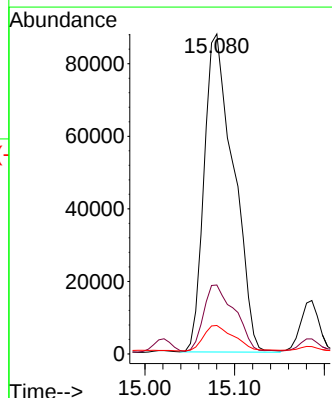
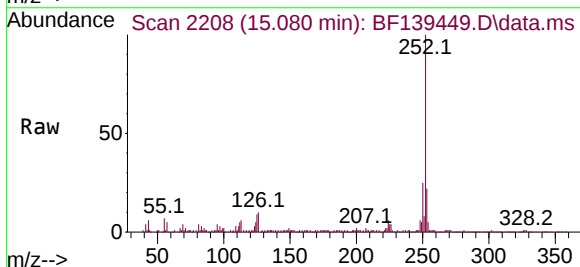
Tgt Ion:252 Resp: 199823

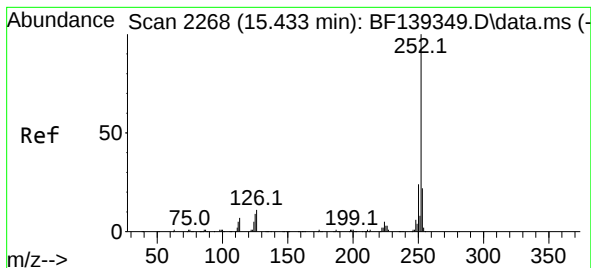
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 8.9 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 26.165 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299

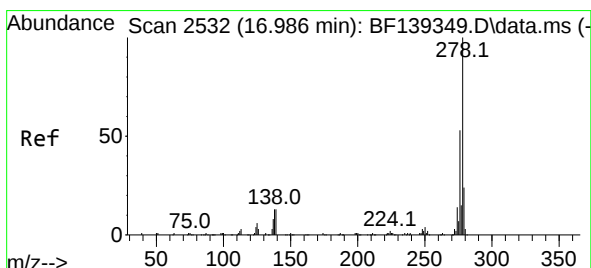
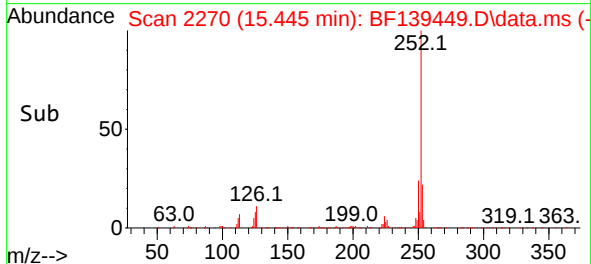
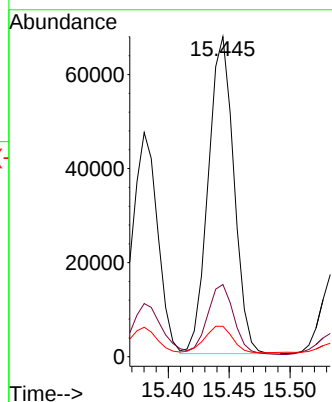
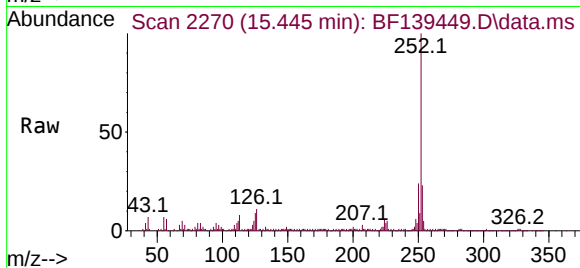
Tgt Ion:252 Resp: 98712

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 9.5 6.8 10.2



#91

Dibenzo(a,h)anthracene

Concen: 3.262 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.000 min

Lab File: BF139449.D

Acq: 19 Sep 2024 02:26

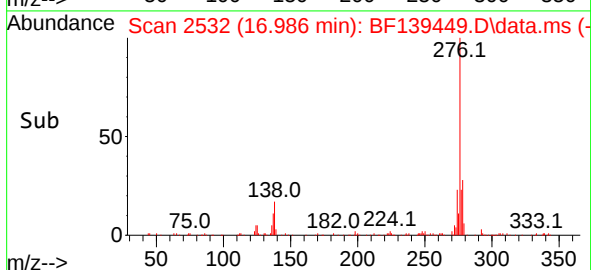
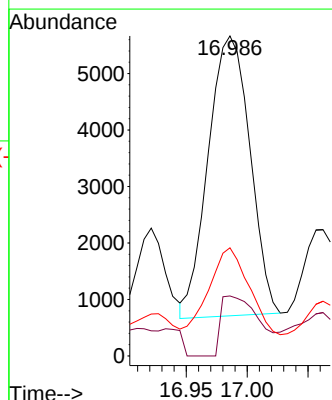
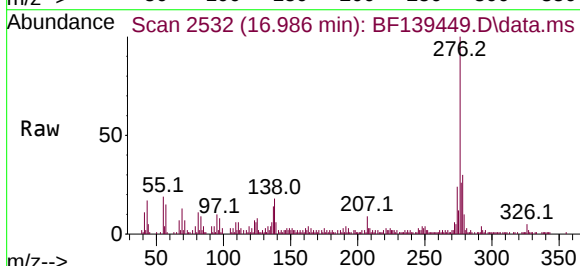
Tgt Ion:278 Resp: 11822

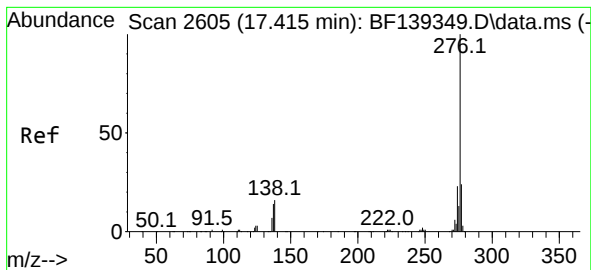
Ion Ratio Lower Upper

278 100

139 18.7 10.2 15.2#

279 33.8 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 14.097 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF139449.D

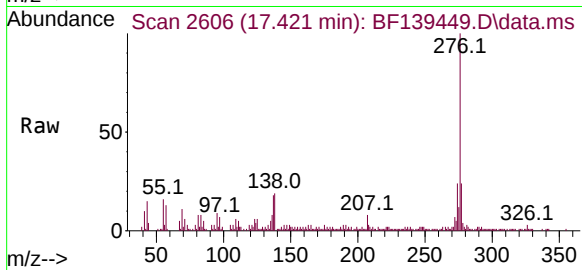
Acq: 19 Sep 2024 02:26

Instrument :

BNA_F

ClientSampleId :

RT2299



Tgt Ion:276 Resp: 50585

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 18.8 13.0 19.6

