

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139446.D
 Acq On : 19 Sep 2024 01:00
 Operator : RC/JU
 Sample : P4002-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Sep 19 01:32:50 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)

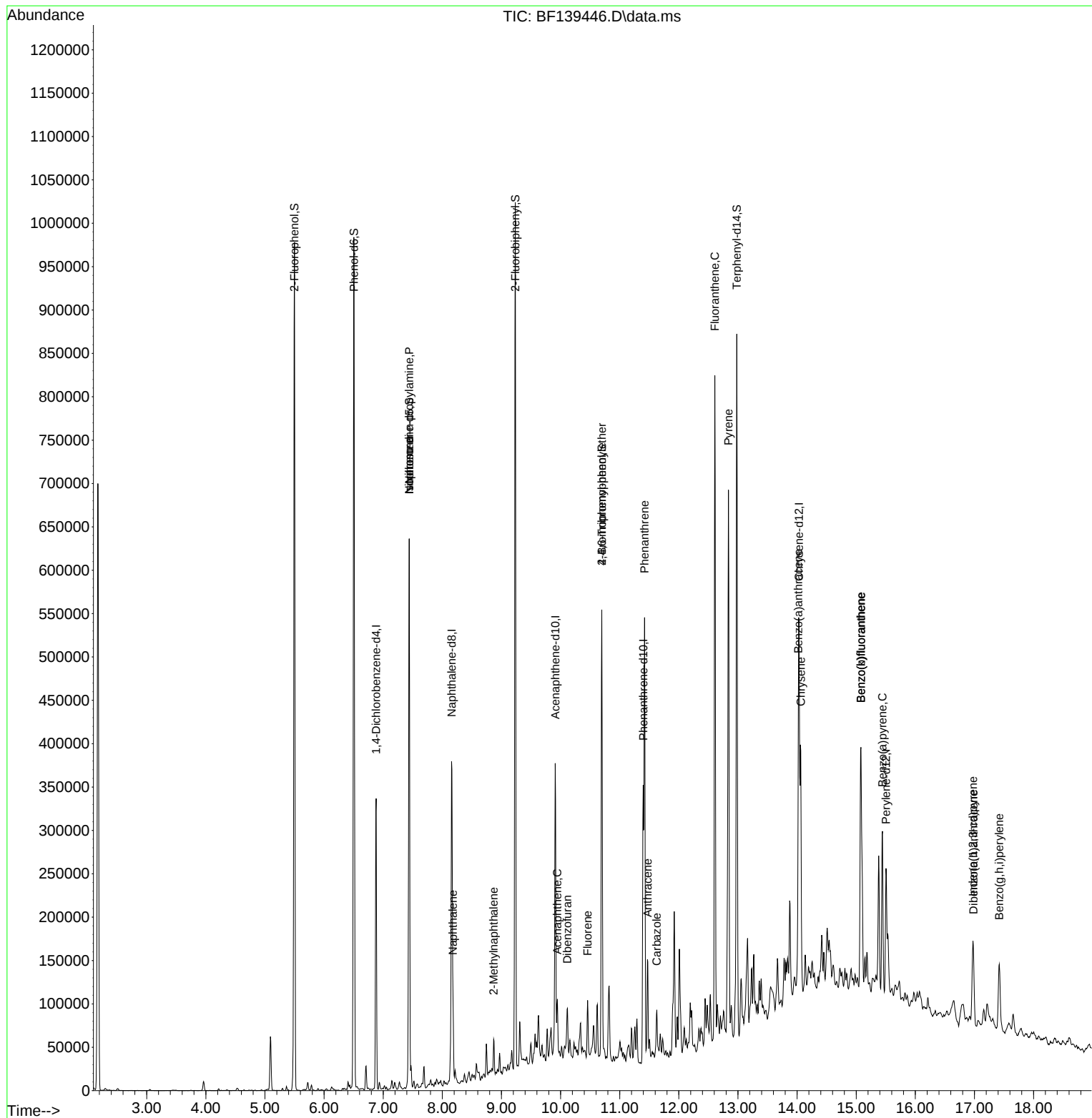
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65154	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	212113	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	94196	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	160811	20.000	ng	0.00
76) Chrysene-d12	14.033	240	104428	20.000	ng	0.00
86) Perylene-d12	15.504	264	83716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	311613	78.023	ng	0.00
7) Phenol-d6	6.504	99	396763	75.686	ng	0.00
23) Nitrobenzene-d5	7.439	82	252347	55.929	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	69607	69.411	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	402479	59.927	ng	0.00
79) Terphenyl-d14	12.980	244	365147	57.393	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	36729	11.823	ng	# 75
25) Isophorone	7.439	82	252287	35.356	ng	# 67
31) Naphthalene	8.181	128	44705	4.037	ng	99
37) 2-Methylnaphthalene	8.869	142	15206	2.163	ng	96
52) Acenaphthene	9.945	154	17392	3.055	ng	98
55) Dibenzofuran	10.116	168	21925	2.763	ng	# 98
58) Fluorene	10.457	166	22166	3.424	ng	# 96
67) 4-Bromophenyl-phenylether	10.698	248	4828	3.030	ng	# 1
71) Phenanthrene	11.422	178	252701	32.571	ng	99
72) Anthracene	11.474	178	64080	8.448	ng	98
73) Carbazole	11.627	167	25212	3.473	ng	98
75) Fluoranthene	12.610	202	421872	50.918	ng	99
78) Pyrene	12.839	202	355254	39.620	ng	99
81) Benzo(a)anthracene	14.021	228	152142	21.994	ng	95
83) Chrysene	14.063	228	156595	24.607	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	72136	14.491	ng	96
88) Benzo(b)fluoranthene	15.080	252	243110	47.086	ng	# 98
89) Benzo(k)fluoranthene	15.080	252	243110	51.068	ng	# 97
90) Benzo(a)pyrene	15.445	252	117991	27.555	ng	99
91) Dibenzo(a,h)anthracene	16.986	278	17949	4.363	ng	# 86
92) Benzo(g,h,i)perylene	17.421	276	70384	17.281	ng	97

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

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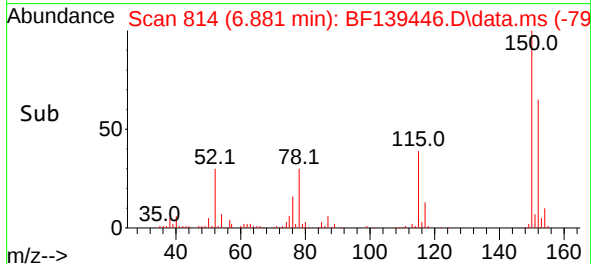
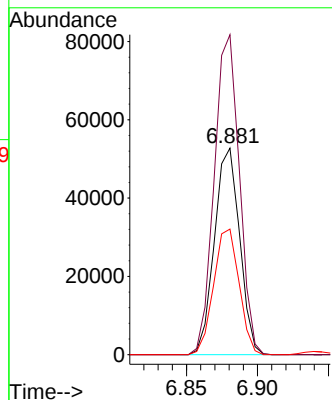
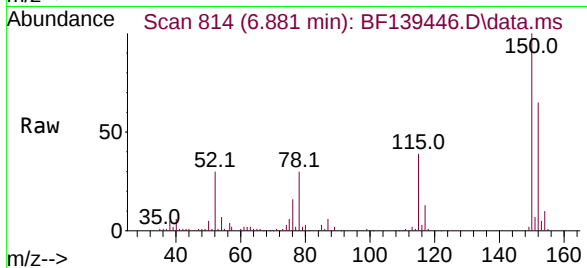




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

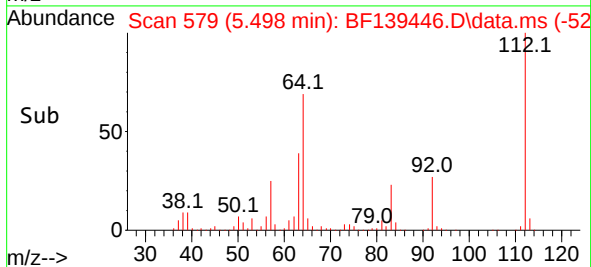
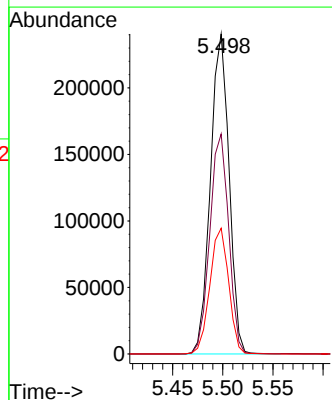
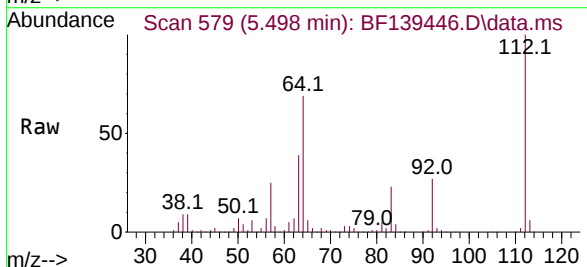
Instrument :
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TP-1

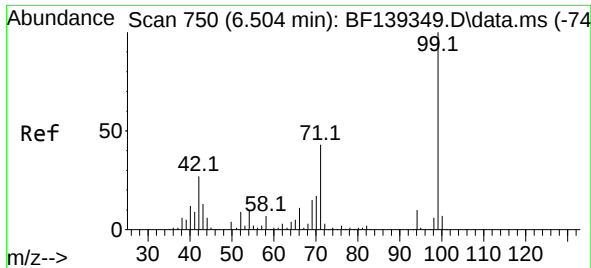
Tgt Ion:152 Resp: 65154
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 60.8 48.1 72.1



#5
2-Fluorophenol
Concen: 78.023 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:112 Resp: 311613
Ion Ratio Lower Upper
112 100
64 68.8 54.8 82.2
63 39.3 33.0 49.4

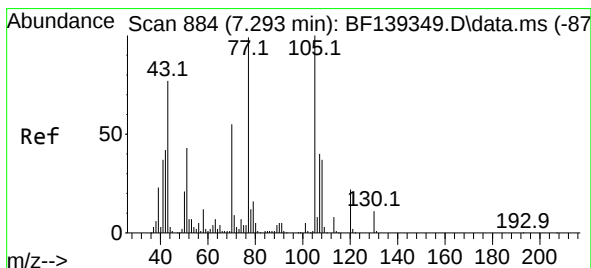
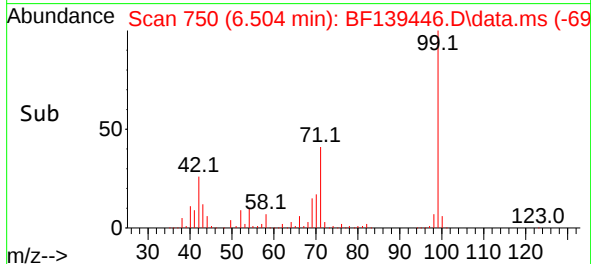
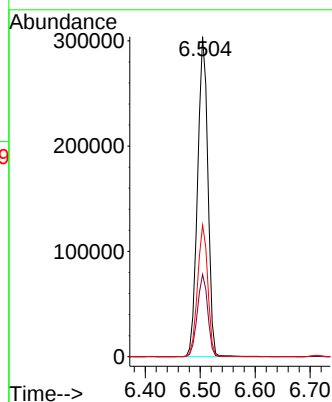
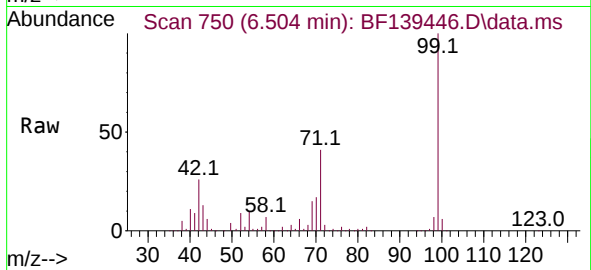




#7
Phenol-d6
Concen: 75.686 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

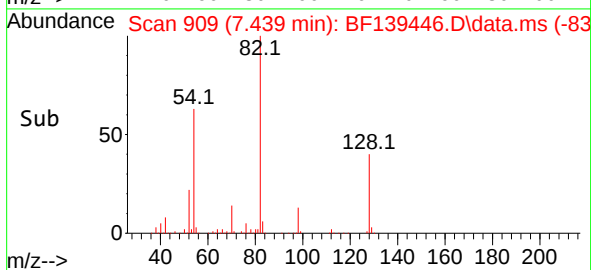
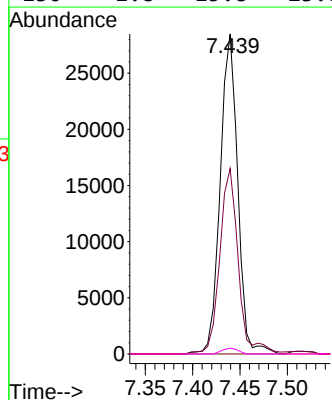
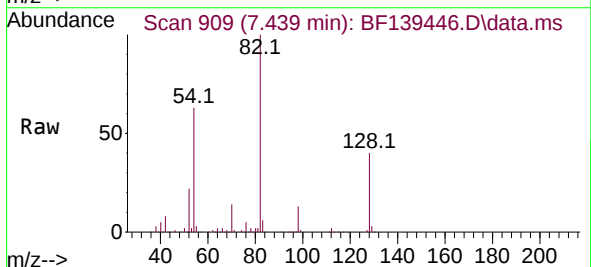
Instrument :
BNA_F
ClientSampleId :
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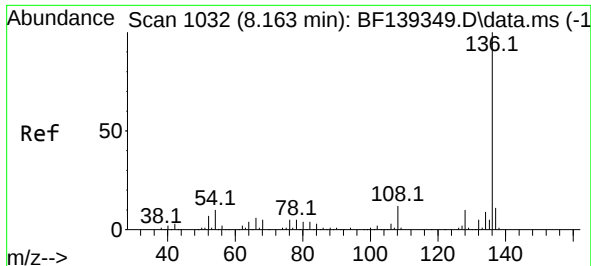
Tgt Ion: 99 Resp: 396763
Ion Ratio Lower Upper
99 100
42 25.7 21.9 32.9
71 41.1 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.823 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion: 70 Resp: 36729
Ion Ratio Lower Upper
70 100
42 58.0 61.2 91.8#
101 0.0 7.5 11.3#
130 1.8 15.8 23.8#

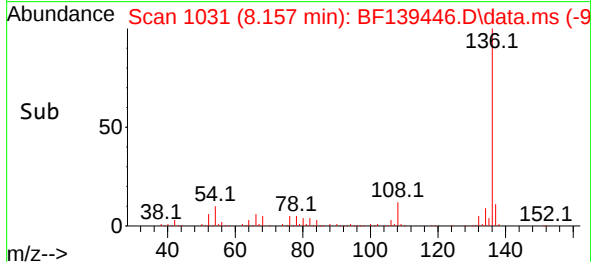
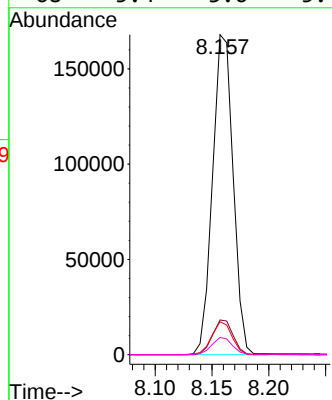
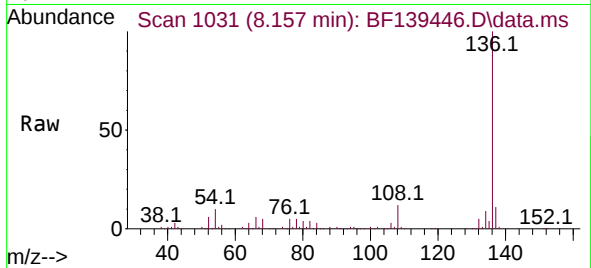




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

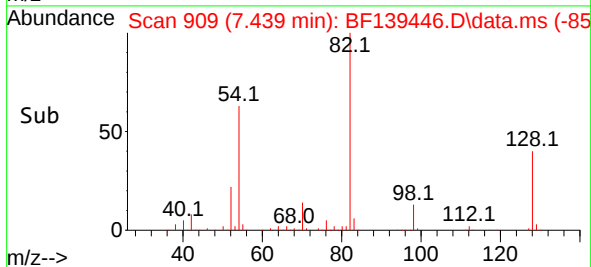
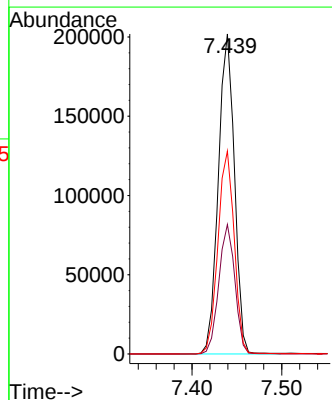
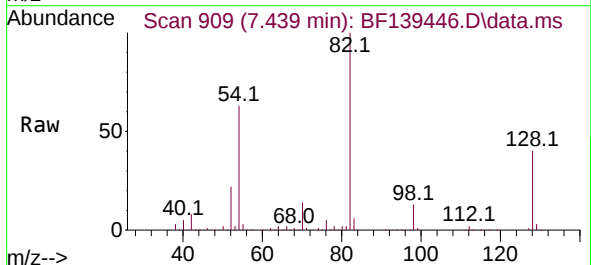
Instrument :
BNA_F
ClientSampleId :
TP-1

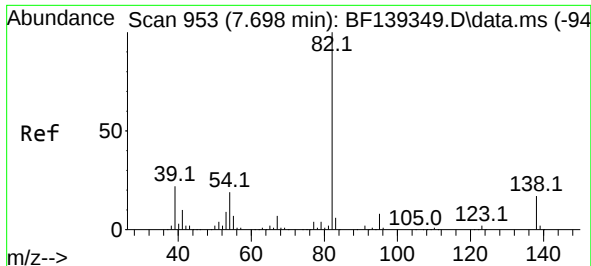
Tgt Ion:136 Resp: 212113
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.3 7.8 11.8
68 5.4 3.6 5.4



#23
Nitrobenzene-d5
Concen: 55.929 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion: 82 Resp: 252347
Ion Ratio Lower Upper
82 100
128 40.4 31.8 47.6
54 63.4 50.6 75.8

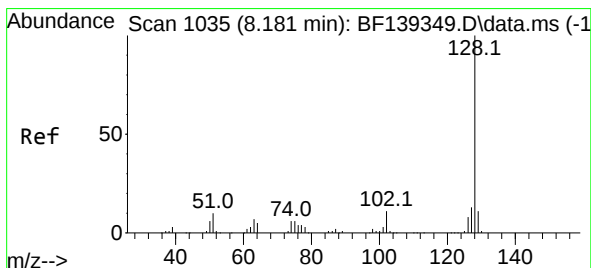
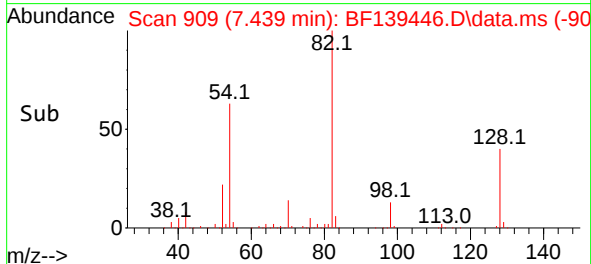
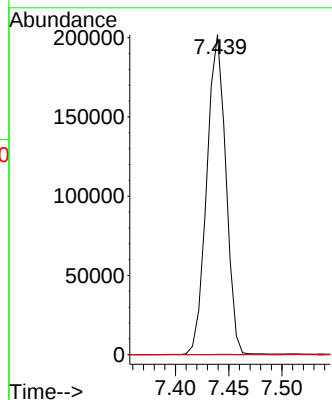
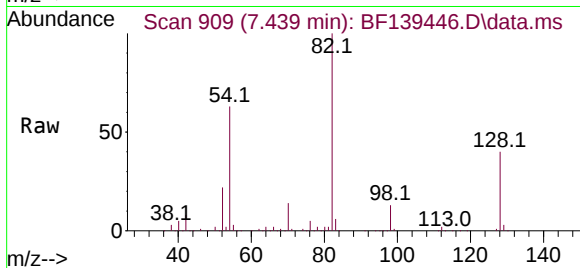




#25
Isophorone
Concen: 35.356 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

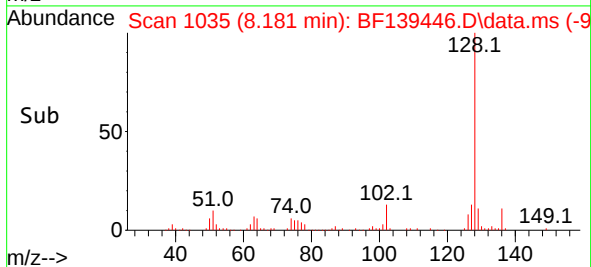
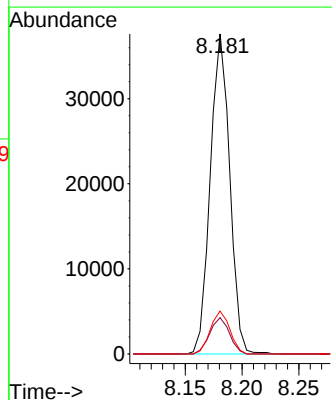
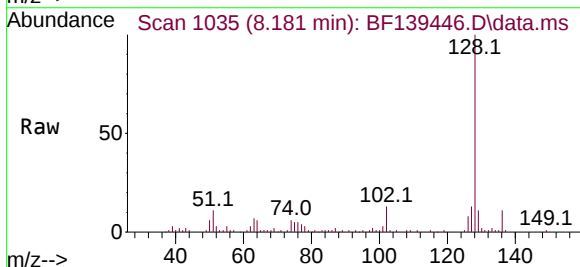
Instrument :
BNA_F
ClientSampleId :
TP-1

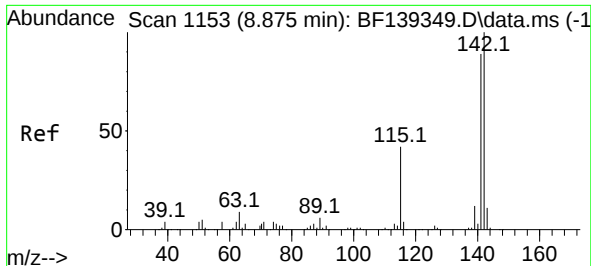
Tgt Ion: 82 Resp: 252287
Ion Ratio Lower Upper
82 100
95 0.1 6.7 10.1#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 4.037 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion: 128 Resp: 44705
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.4 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.163 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

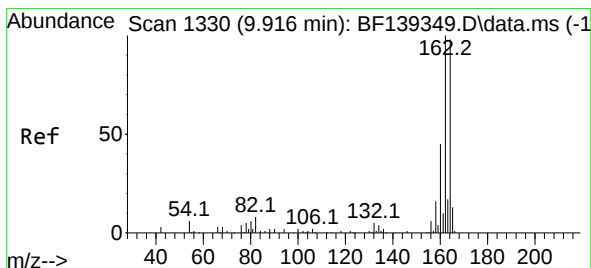
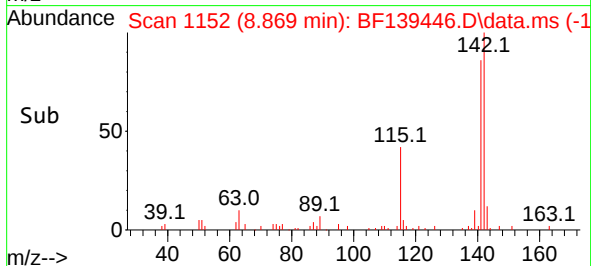
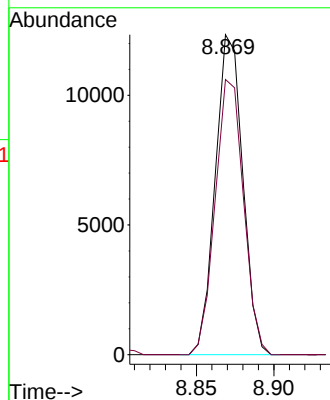
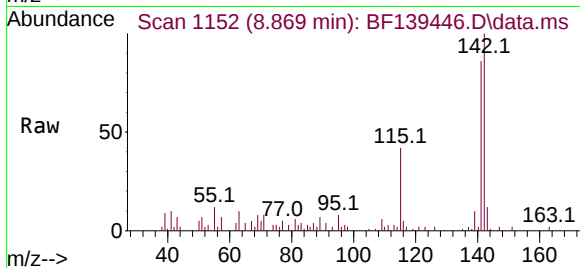
TP-1

Tgt Ion:142 Resp: 15206

Ion Ratio Lower Upper

142 100

141 86.0 71.6 107.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

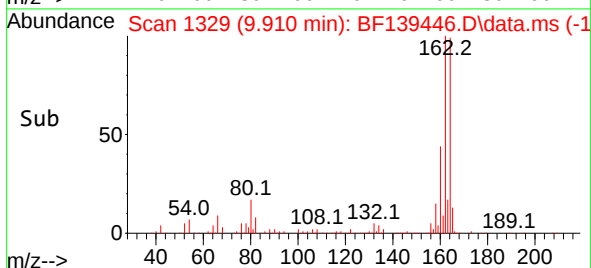
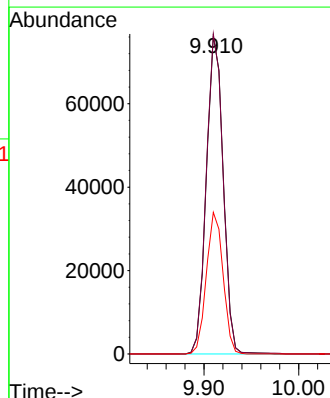
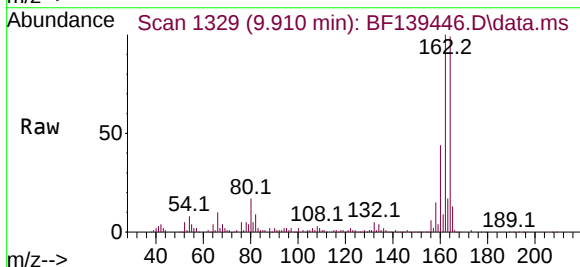
Tgt Ion:164 Resp: 94196

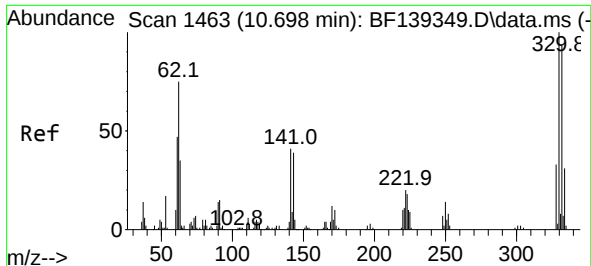
Ion Ratio Lower Upper

164 100

162 100.6 81.3 121.9

160 44.5 36.4 54.6

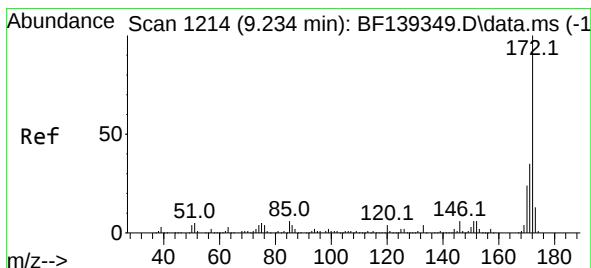
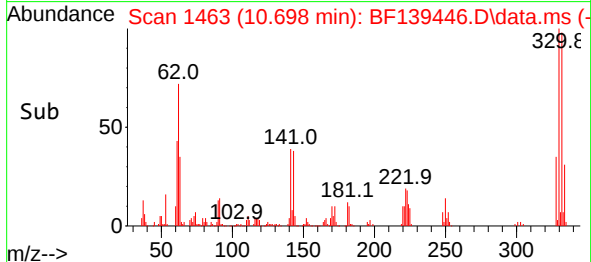
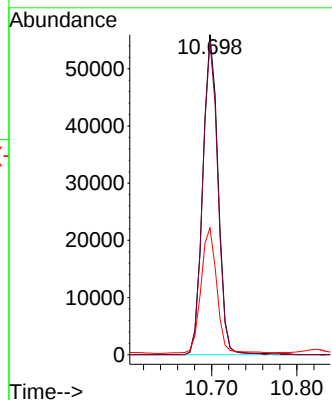
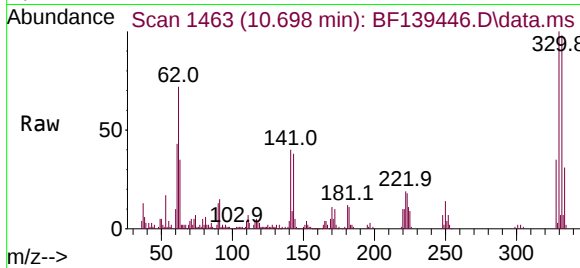




#42
2,4,6-Tribromophenol
Concen: 69.411 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

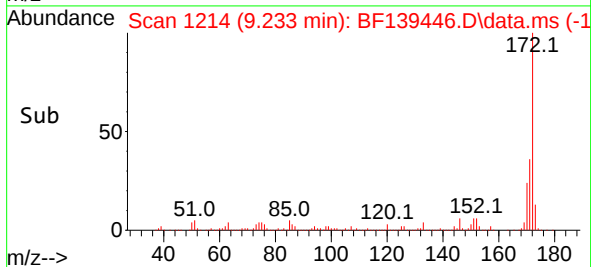
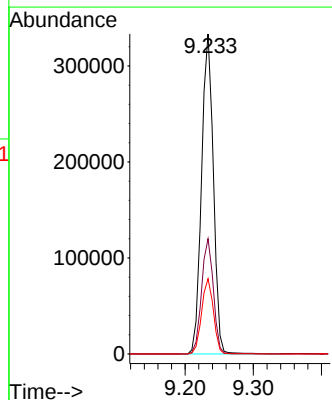
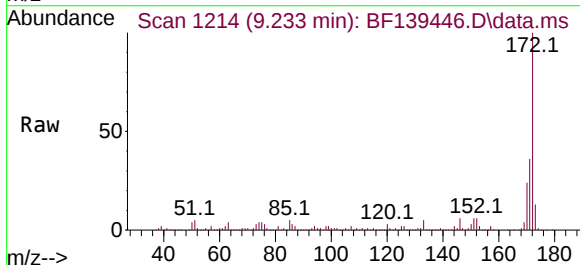
Instrument :
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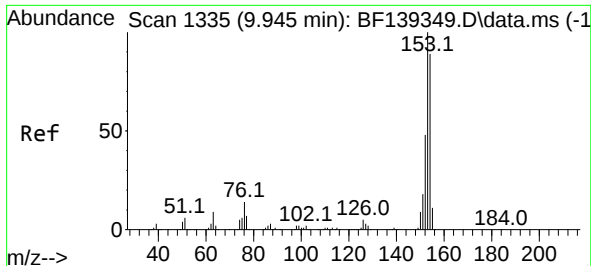
Tgt Ion:330 Resp: 69607
Ion Ratio Lower Upper
330 100
332 96.9 75.2 112.8
141 40.8 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 59.927 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:172 Resp: 402479
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.5 19.0 28.6

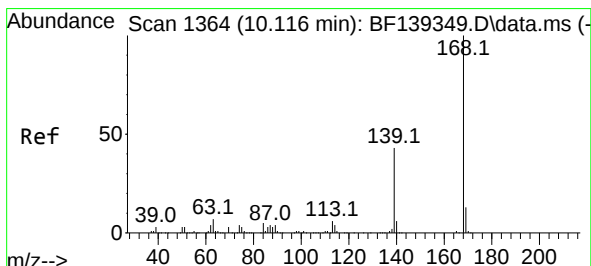
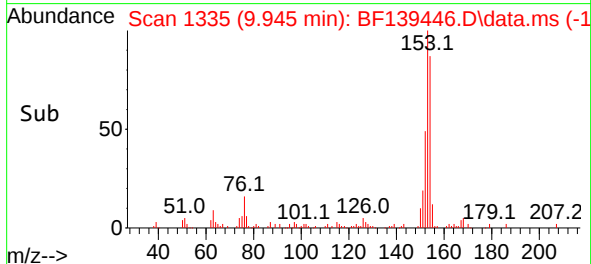
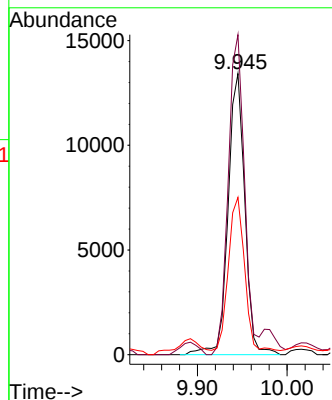
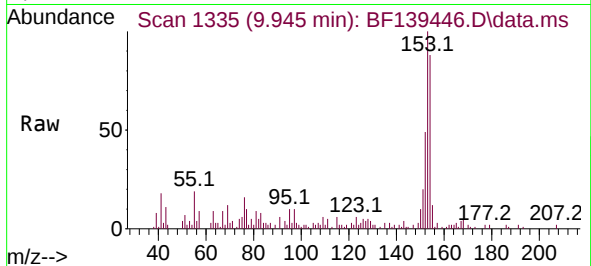




#52
Acenaphthene
Concen: 3.055 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

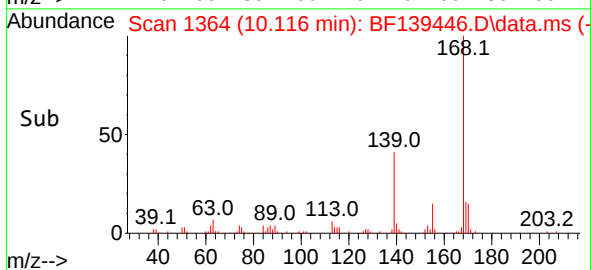
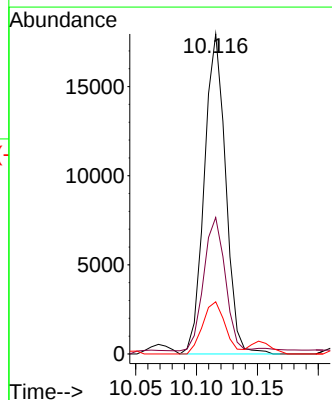
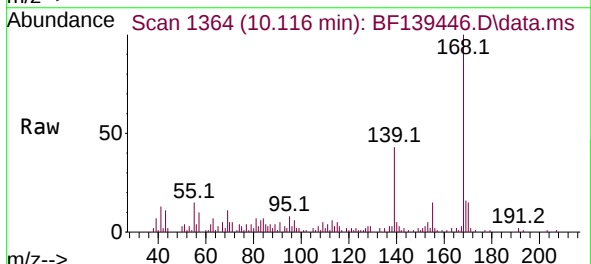
Instrument :
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ClientSampleId :
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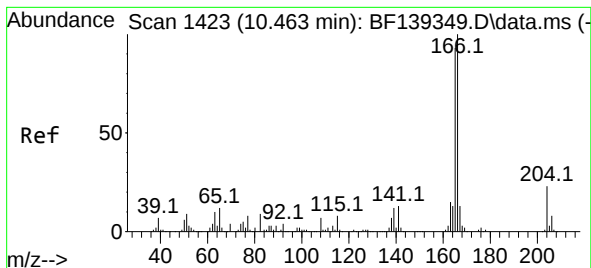
Tgt Ion:154 Resp: 17392
Ion Ratio Lower Upper
154 100
153 113.9 89.5 134.3
152 56.0 42.6 64.0



#55
Dibenzofuran
Concen: 2.763 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:168 Resp: 21925
Ion Ratio Lower Upper
168 100
139 42.7 34.1 51.1
169 16.3 10.5 15.7#





#58

Fluorene

Concen: 3.424 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

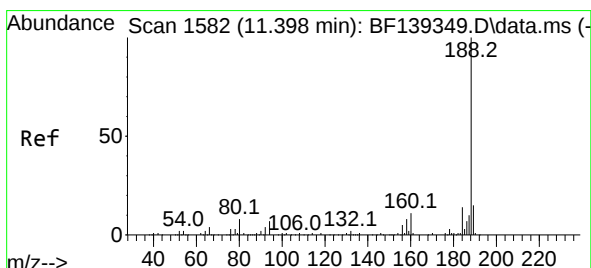
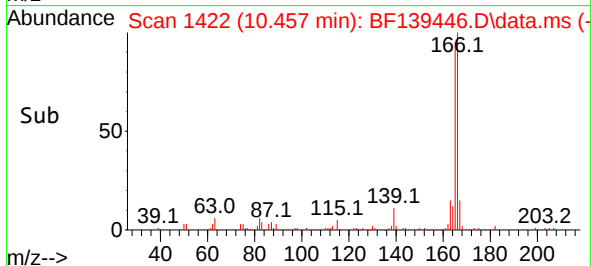
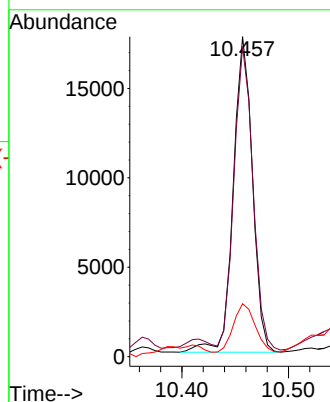
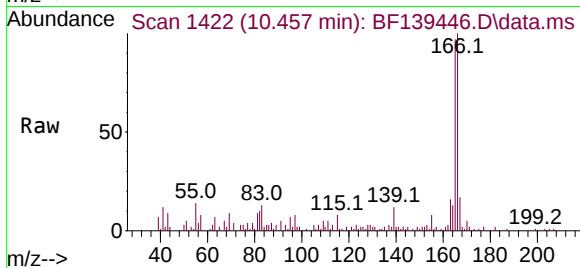
Tgt Ion:166 Resp: 22166

Ion Ratio Lower Upper

166 100

165 96.9 74.5 111.7

167 16.6 10.6 16.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

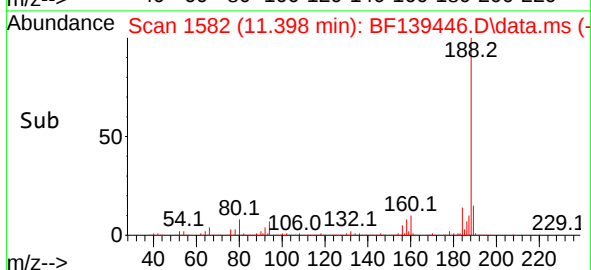
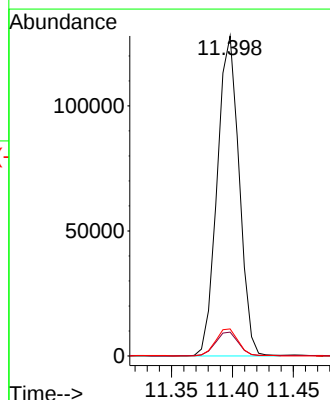
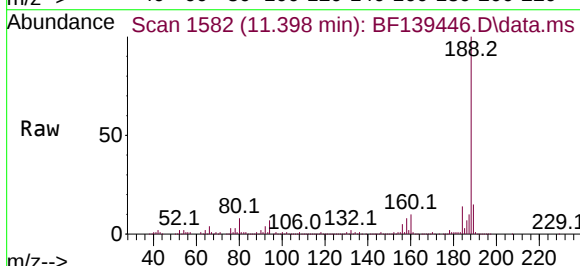
Tgt Ion:188 Resp: 160811

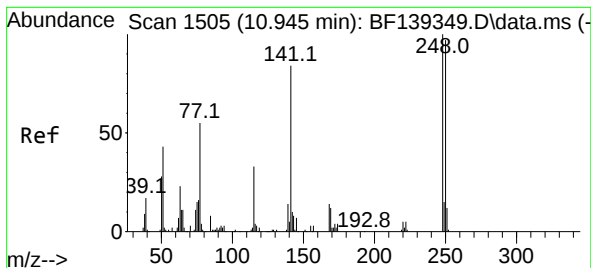
Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

80 8.4 6.6 9.8

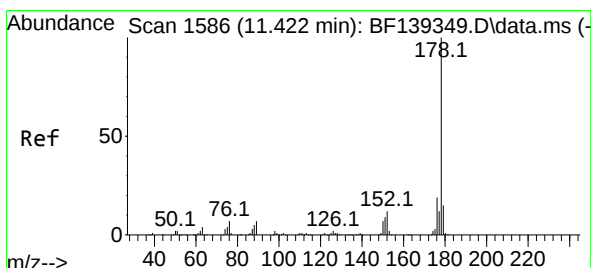
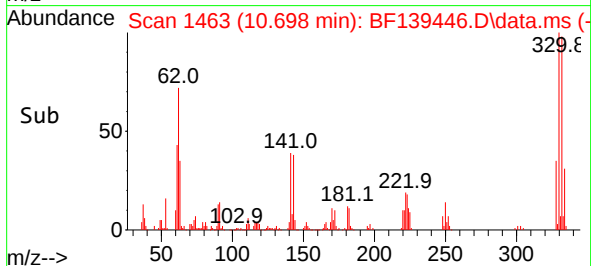
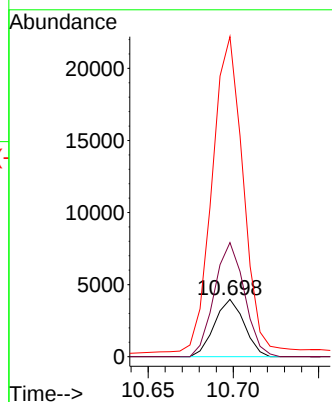
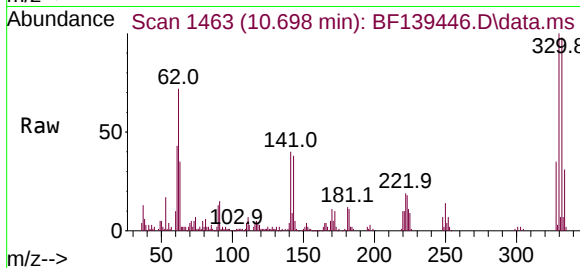




#67
4-Bromophenyl-phenylether
Concen: 3.030 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

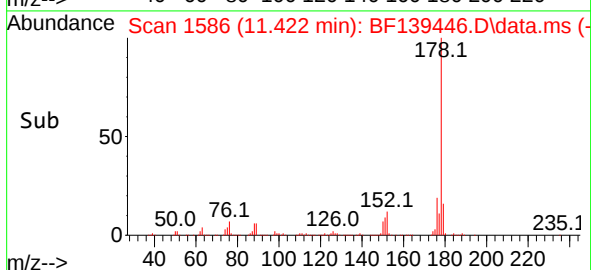
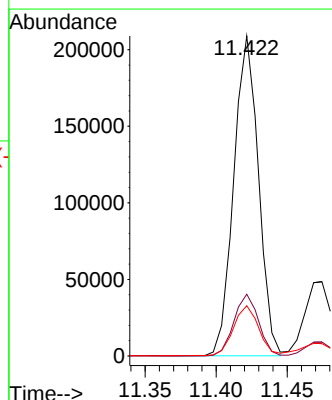
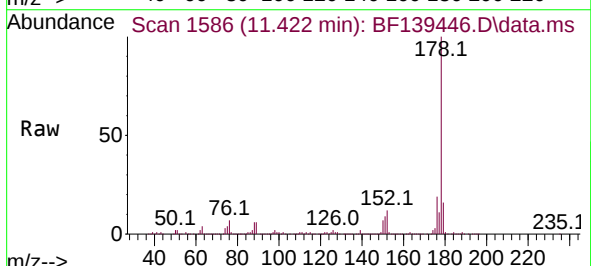
Instrument :
BNA_F
ClientSampleId :
TP-1

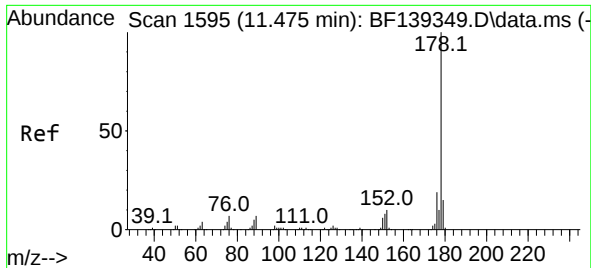
Tgt Ion:248 Resp: 4828
Ion Ratio Lower Upper
248 100
250 199.4 77.6 116.4#
141 559.2 66.9 100.3#



#71
Phenanthrene
Concen: 32.571 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:178 Resp: 252701
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.7 12.2 18.4

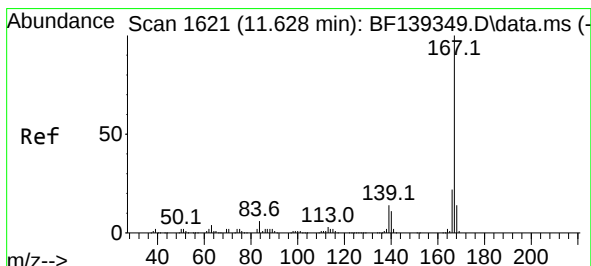
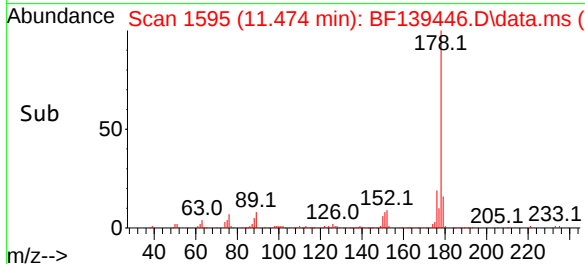
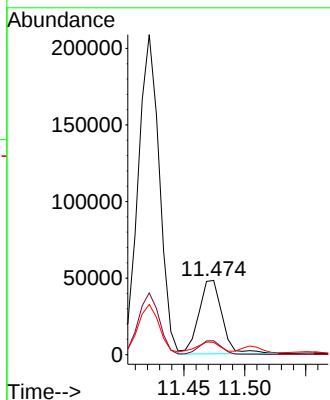
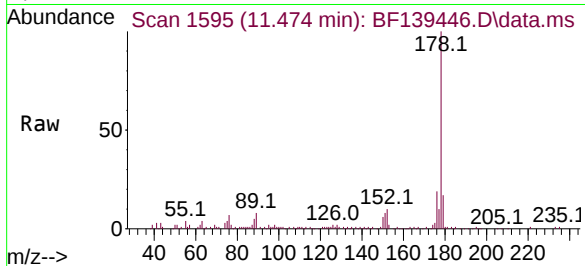




#72
 Anthracene
 Concen: 8.448 ng
 RT: 11.474 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

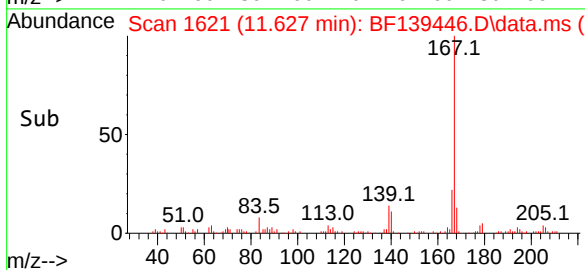
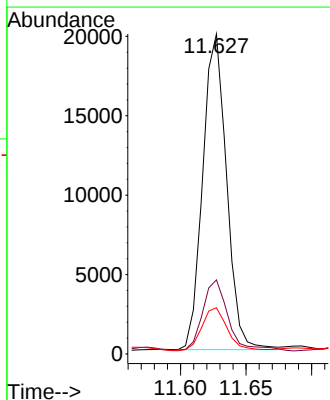
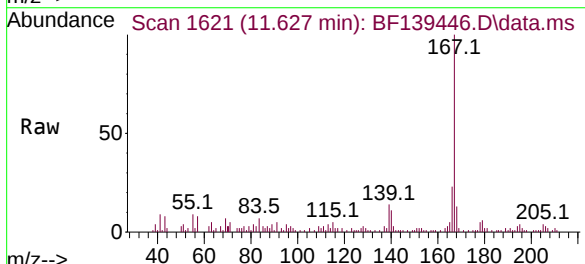
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

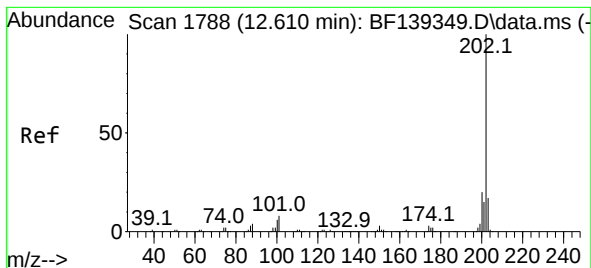
Tgt Ion:178 Resp: 64080
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 16.6 12.0 18.0



#73
 Carbazole
 Concen: 3.473 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

Tgt Ion:167 Resp: 25212
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.5 26.3
 139 14.4 10.9 16.3





#75

Fluoranthene

Concen: 50.918 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

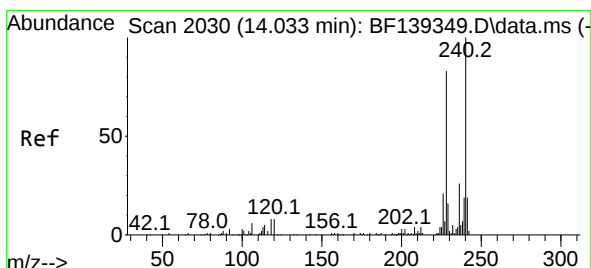
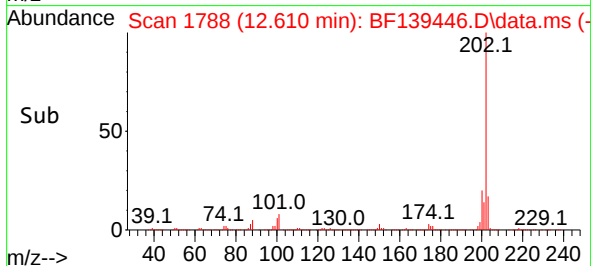
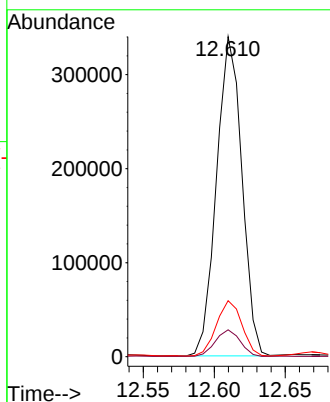
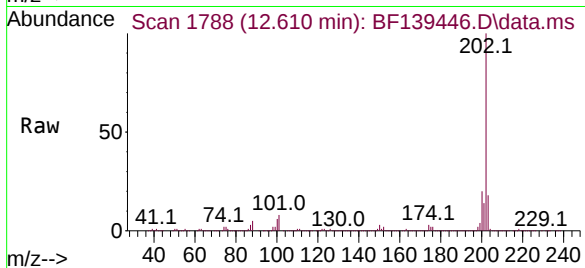
Tgt Ion:202 Resp: 421872

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.7

203 17.5 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: BF139446.D

Acq: 19 Sep 2024 01:00

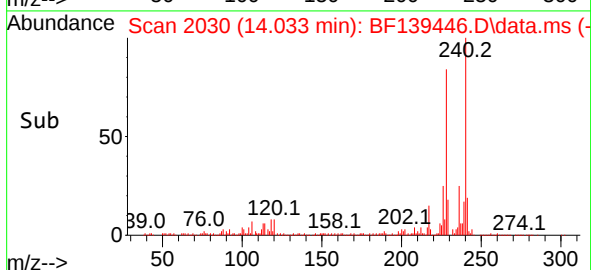
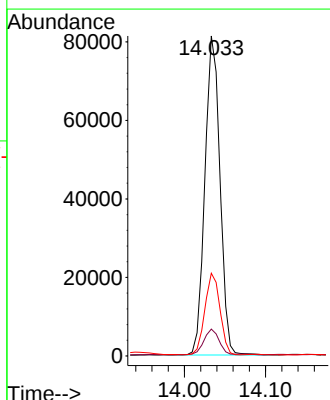
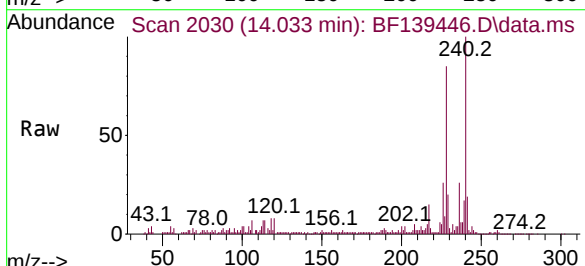
Tgt Ion:240 Resp: 104428

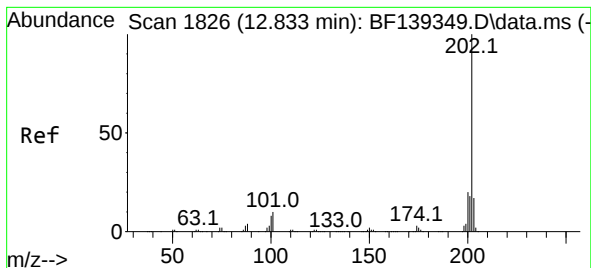
Ion Ratio Lower Upper

240 100

120 8.4 6.2 9.2

236 25.8 20.9 31.3





#78

Pyrene

Concen: 39.620 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

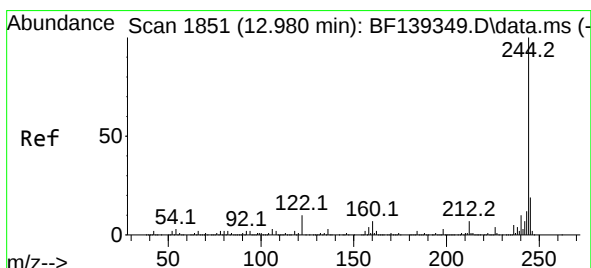
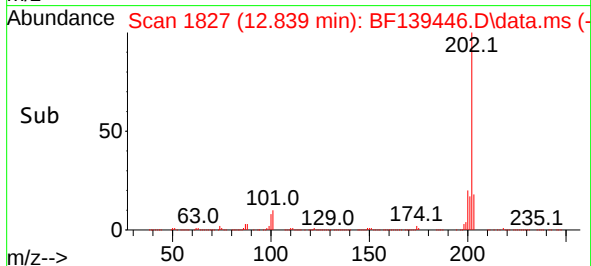
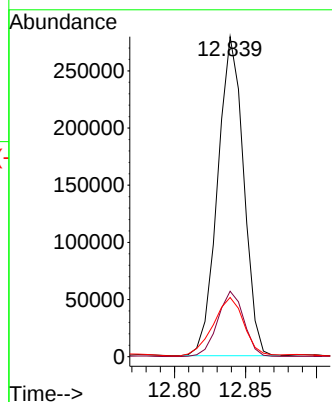
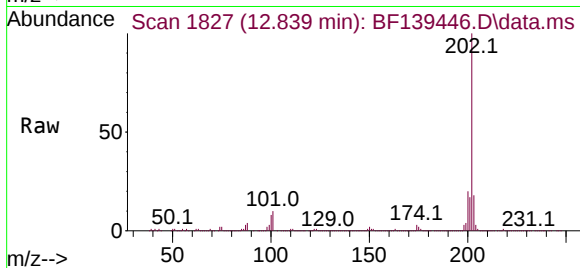
Tgt Ion:202 Resp: 355254

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 18.5 13.9 20.9



#79

Terphenyl-d14

Concen: 57.393 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

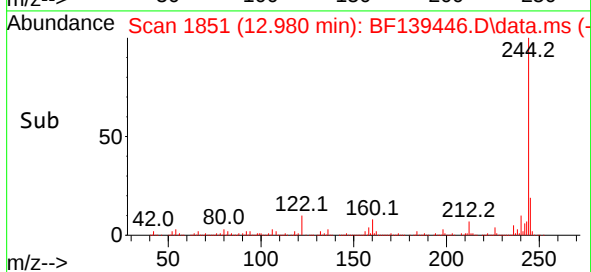
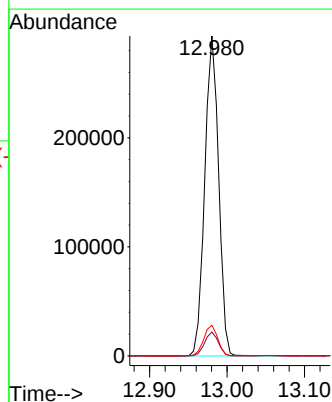
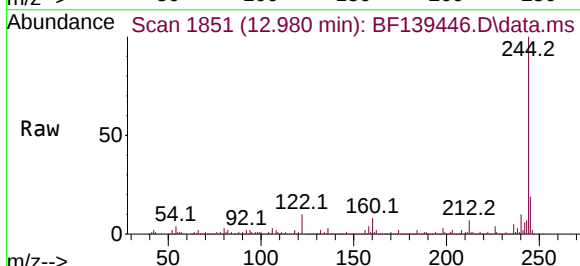
Tgt Ion:244 Resp: 365147

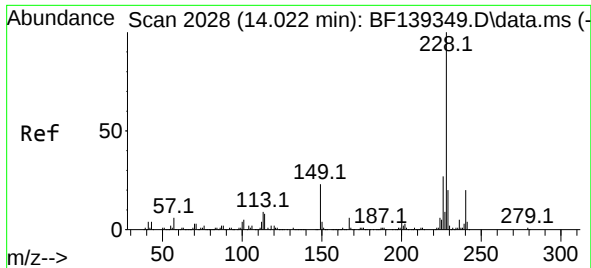
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.6 7.6 11.4

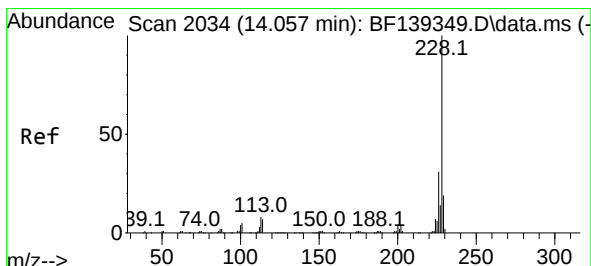
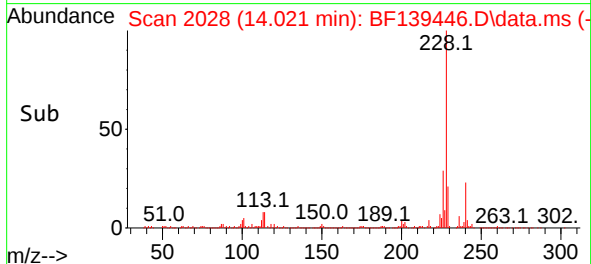
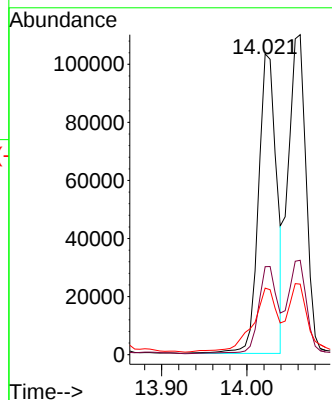
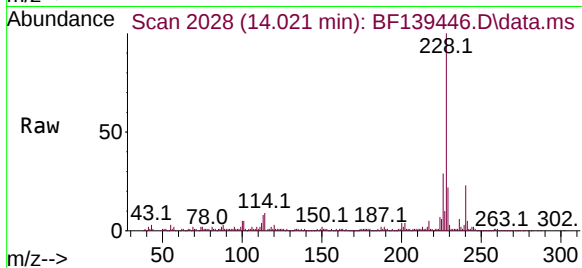




#81
Benzo(a)anthracene
Concen: 21.994 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

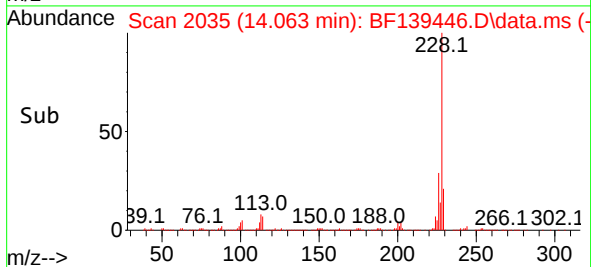
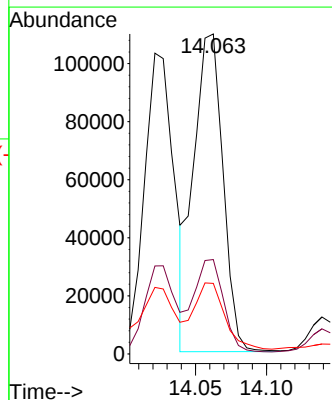
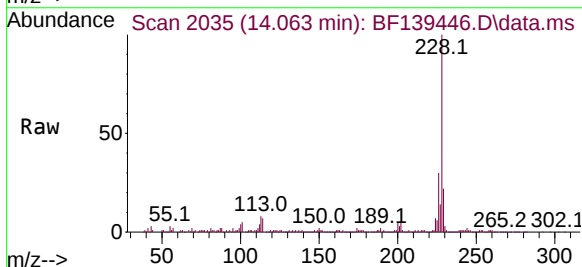
Instrument :
BNA_F
ClientSampleId :
TP-1

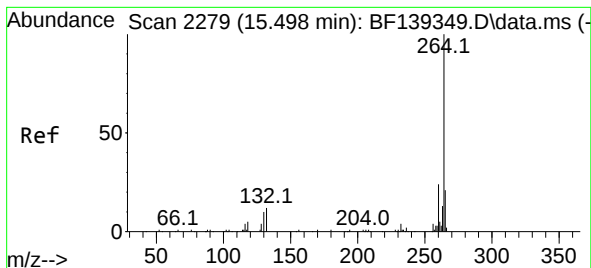
Tgt Ion:228 Resp: 152142
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 22.1 15.7 23.5



#83
Chrysene
Concen: 24.607 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:228 Resp: 156595
Ion Ratio Lower Upper
228 100
226 29.5 24.1 36.1
229 22.1 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

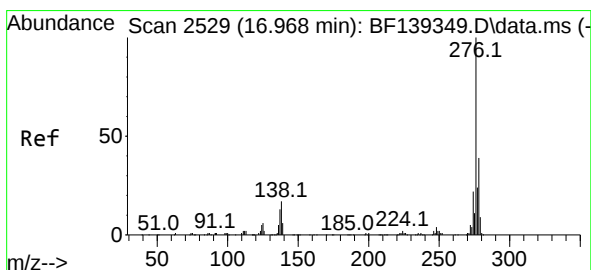
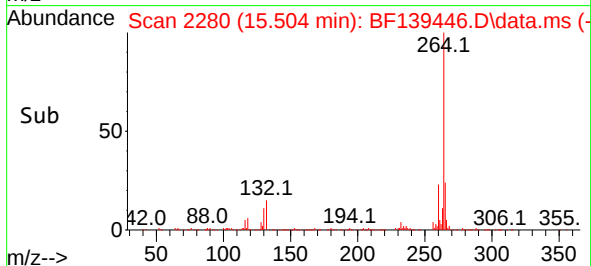
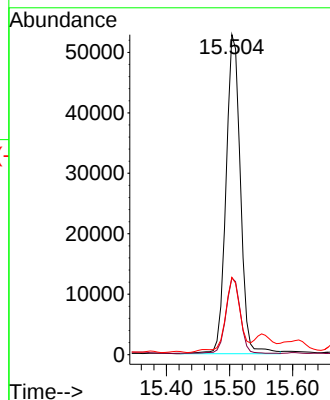
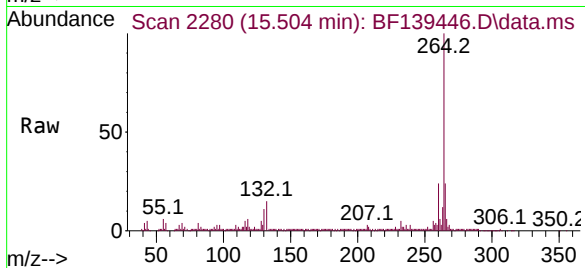
Tgt Ion:264 Resp: 83716

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 24.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.491 ng

RT: 16.974 min Scan# 2530

Delta R.T. 0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

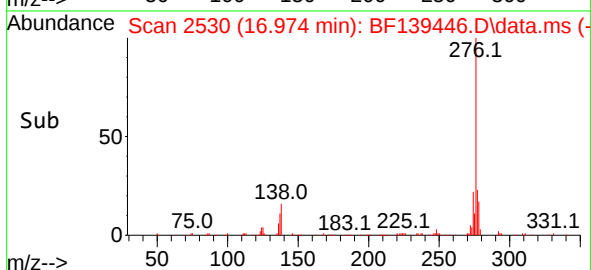
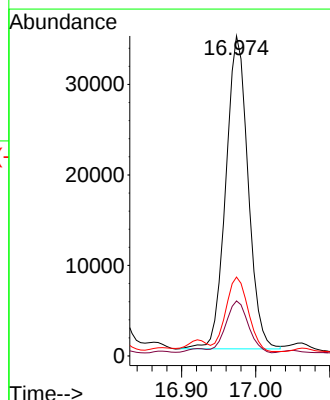
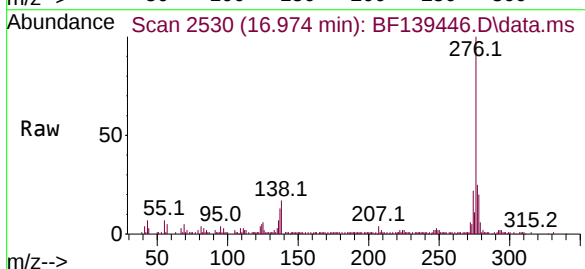
Tgt Ion:276 Resp: 72136

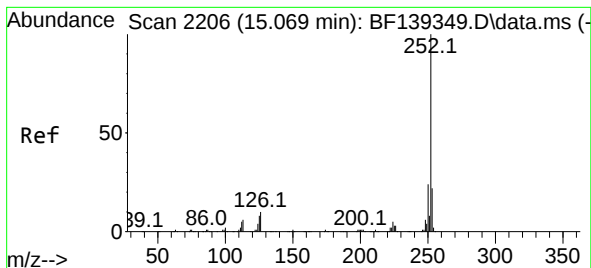
Ion Ratio Lower Upper

276 100

138 17.3 15.4 23.2

277 23.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 47.086 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

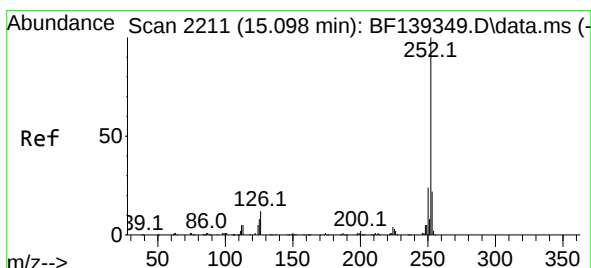
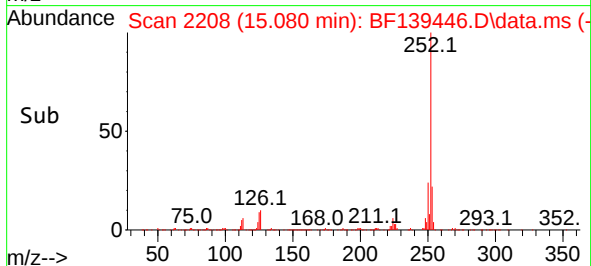
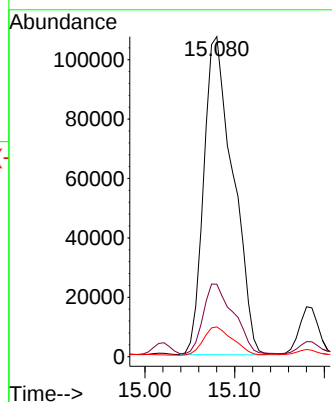
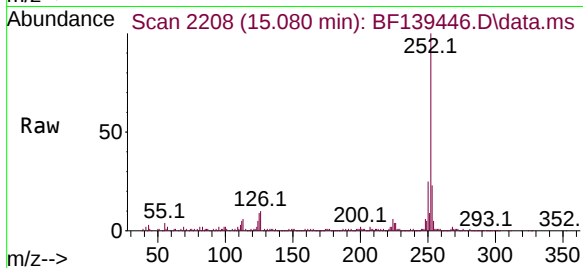
Tgt Ion:252 Resp: 243110

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 9.3 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 51.068 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

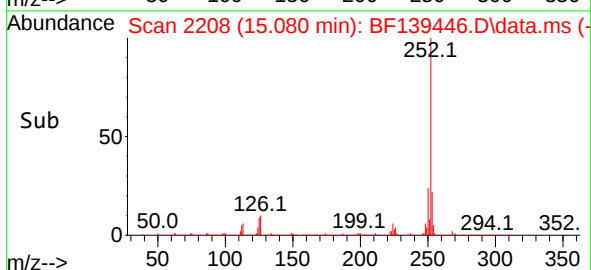
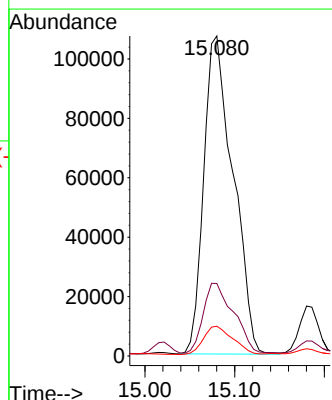
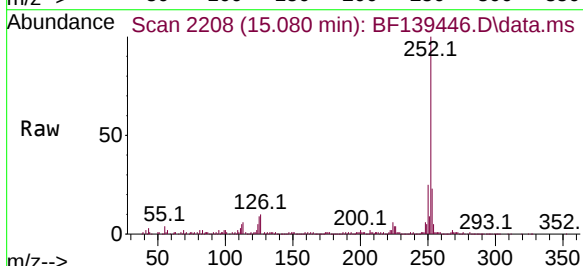
Tgt Ion:252 Resp: 243110

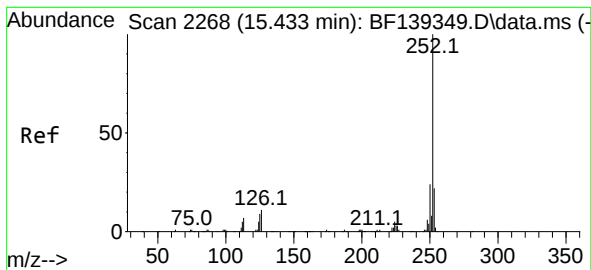
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 9.3 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 27.555 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

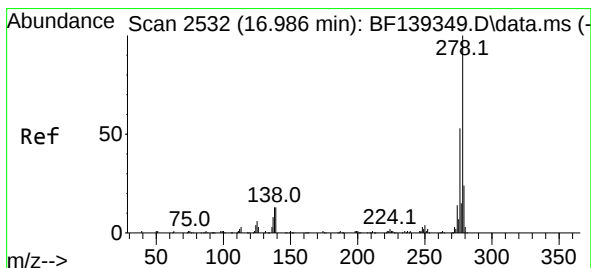
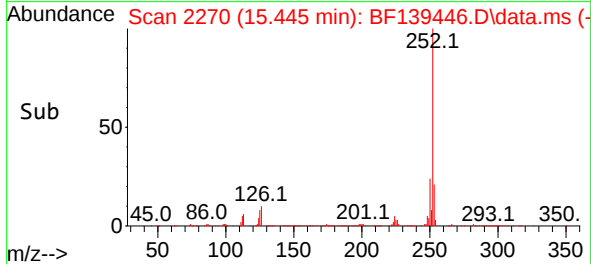
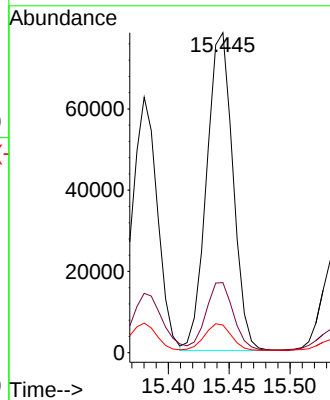
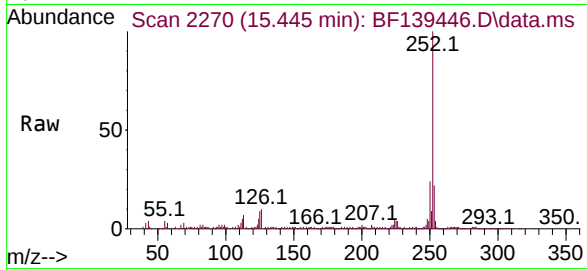
Tgt Ion:252 Resp: 117991

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 8.6 6.8 10.2



#91

Dibenzo(a,h)anthracene

Concen: 4.363 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

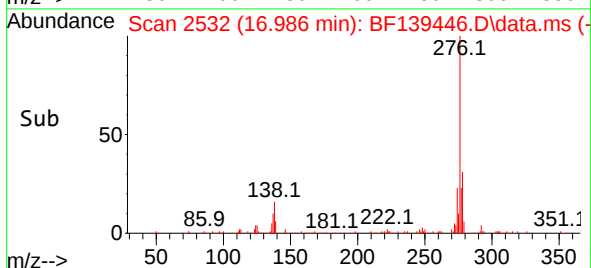
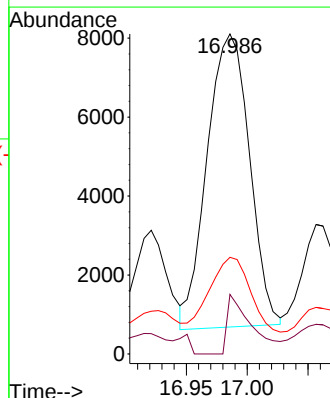
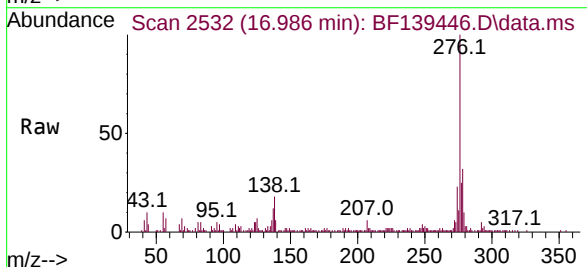
Tgt Ion:278 Resp: 17949

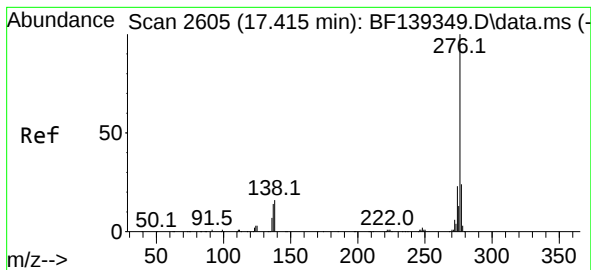
Ion Ratio Lower Upper

278 100

139 18.6 10.2 15.2#

279 30.2 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 17.281 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF139446.D

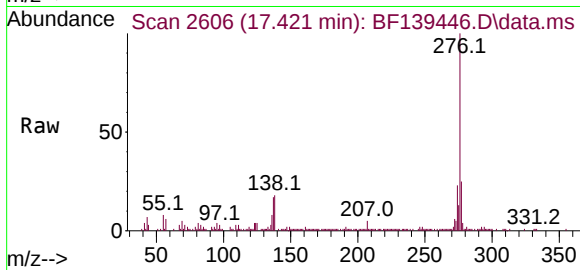
Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:276 Resp: 70384

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 17.8 13.0 19.6

