

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139404.D
 Acq On : 17 Sep 2024 16:10
 Operator : RC/JU
 Sample : P3989-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Sep 17 16:52:24 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)

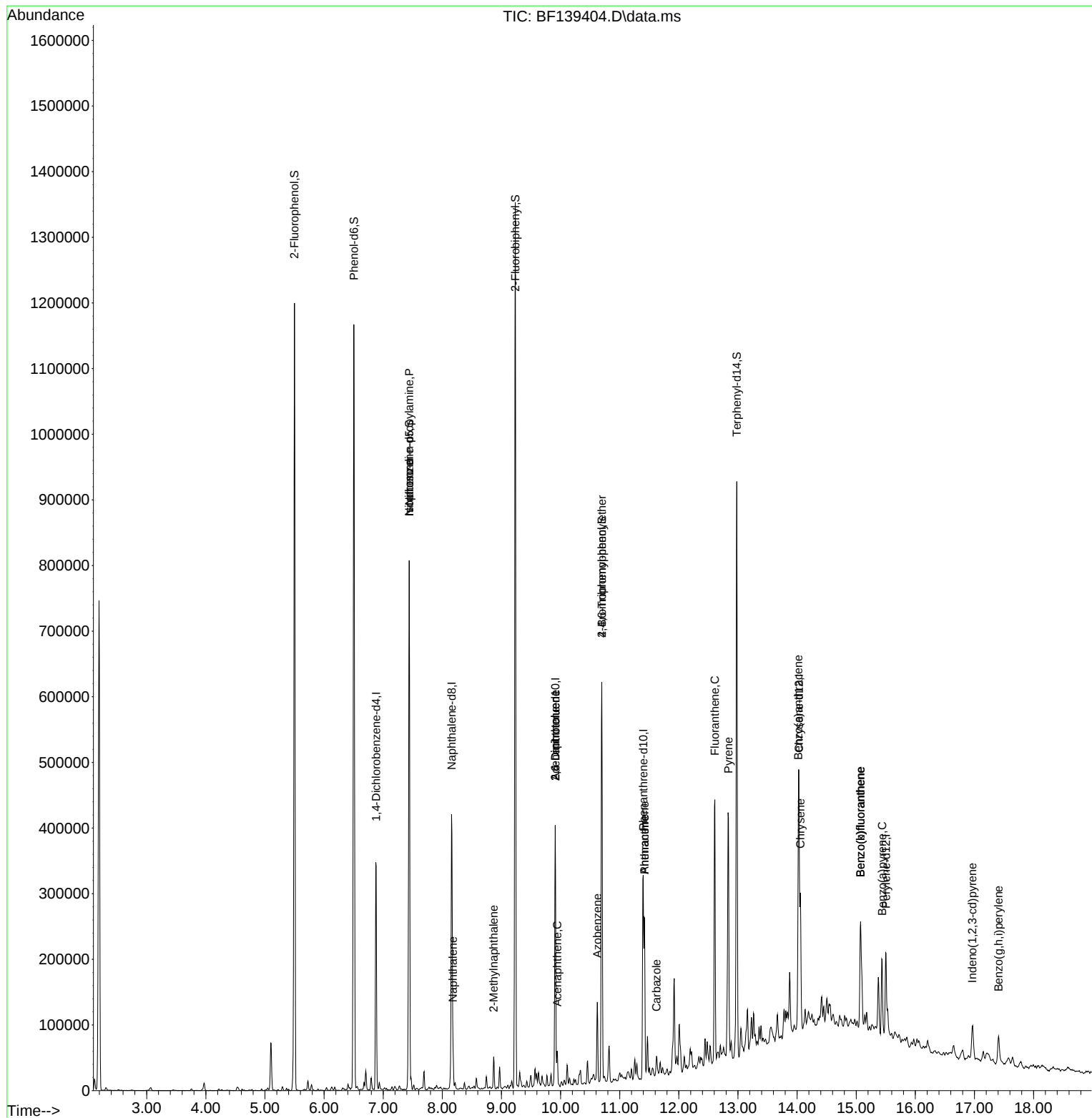
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	66833	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239430	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	110099	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	158871	20.000	ng	0.00
76) Chrysene-d12	14.033	240	103786	20.000	ng	0.00
86) Perylene-d12	15.504	264	73888	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	378243	92.326	ng	0.00
7) Phenol-d6	6.504	99	489241	90.982	ng	0.00
23) Nitrobenzene-d5	7.439	82	332187	65.224	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	85400	72.858	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	548180	69.831	ng	0.00
79) Terphenyl-d14	12.980	244	400097	63.276	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	48613	15.256	ng	# 74
25) Isophorone	7.439	82	331325	41.135	ng	# 67
31) Naphthalene	8.181	128	29011	2.321	ng	98
37) 2-Methylnaphthalene	8.869	142	16772	2.114	ng	97
51) 2,6-Dinitrotoluene	9.910	165	15457	9.656	ng	# 15
52) Acenaphthene	9.945	154	14422	2.168	ng	96
57) 2,4-Dinitrotoluene	9.910	165	15457	7.152	ng	# 17
63) Azobenzene	10.622	77	29009	3.955	ng	# 4
67) 4-Bromophenyl-phenylether	10.698	248	5993	3.807	ng	# 1
71) Phenanthrene	11.422	178	126121	16.454	ng	99
72) Anthracene	11.422	178	126121	16.829	ng	99
73) Carbazole	11.621	167	14390	2.006	ng	99
75) Fluoranthene	12.610	202	226900	27.720	ng	100
78) Pyrene	12.839	202	222659	24.986	ng	99
81) Benzo(a)anthracene	14.021	228	126861	18.453	ng	97
83) Chrysene	14.057	228	102518	16.209	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	35943	8.181	ng	97
88) Benzo(b)fluoranthene	15.074	252	134132	29.435	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	134132	31.924	ng	# 95
90) Benzo(a)pyrene	15.439	252	69740	18.453	ng	97
92) Benzo(g,h,i)perylene	17.409	276	38706	10.768	ng	96

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

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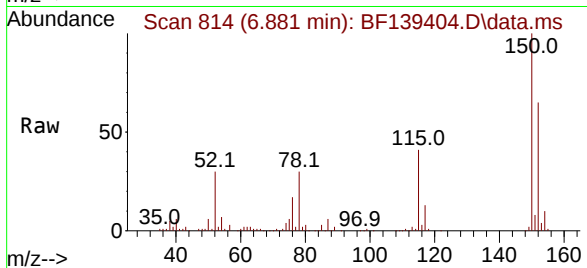
Quant Time: Sep 17 16:52:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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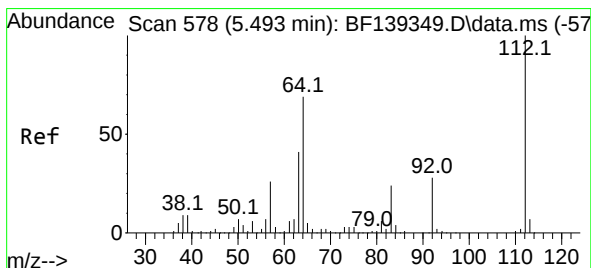
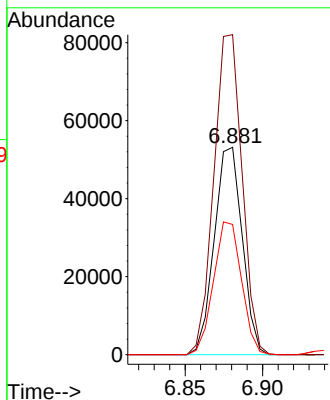
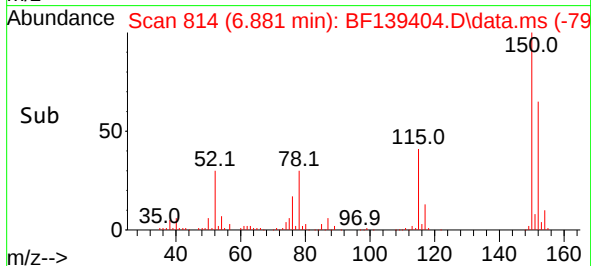


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Instrument :
BNA_F
ClientSampleId :
TP-2

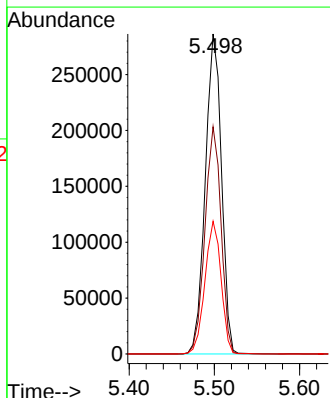
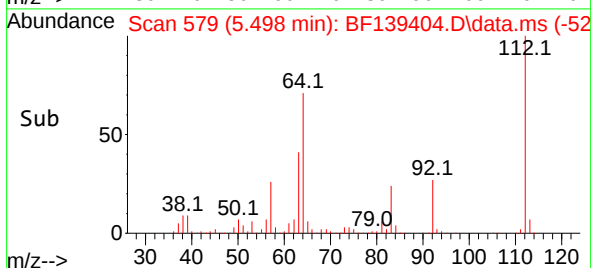
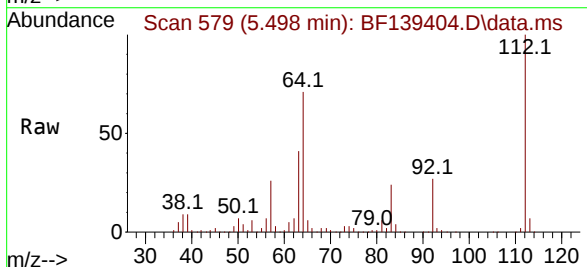


Tgt Ion:152 Resp: 66833
Ion Ratio Lower Upper
152 100
150 154.3 124.1 186.1
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 92.326 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion:112 Resp: 378243
Ion Ratio Lower Upper
112 100
64 71.0 54.8 82.2
63 41.4 33.0 49.4

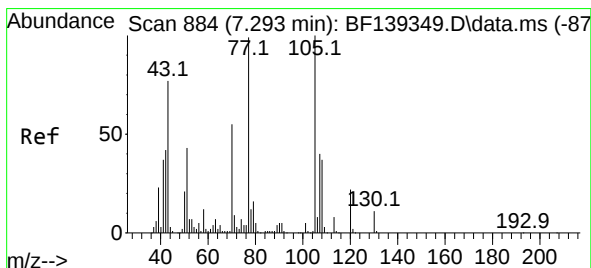
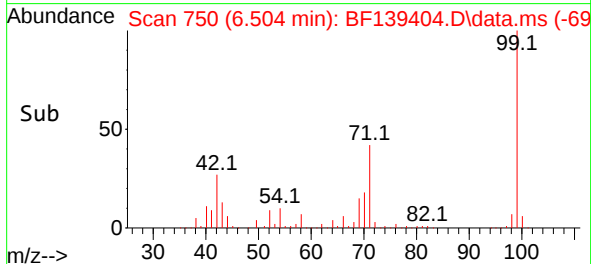
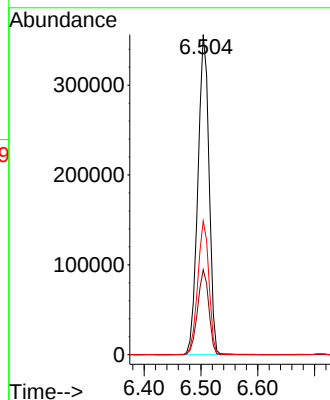
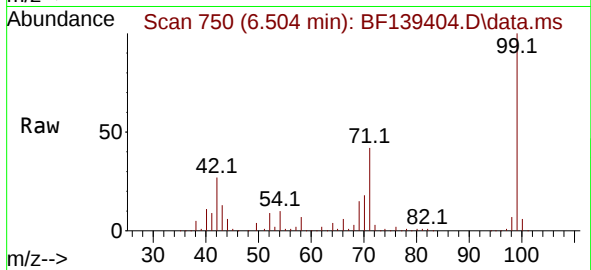




#7
Phenol-d6
Concen: 90.982 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

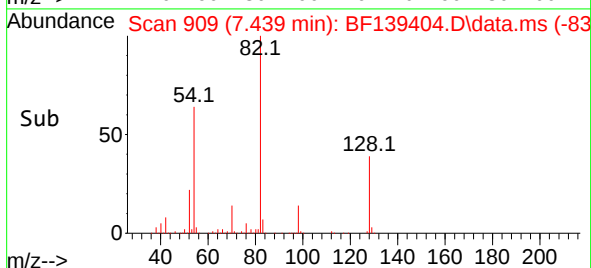
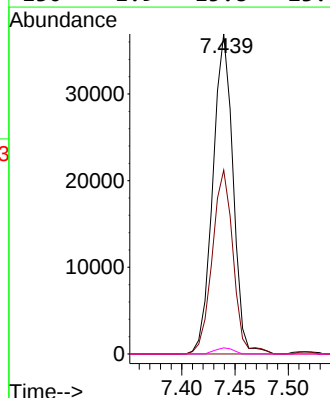
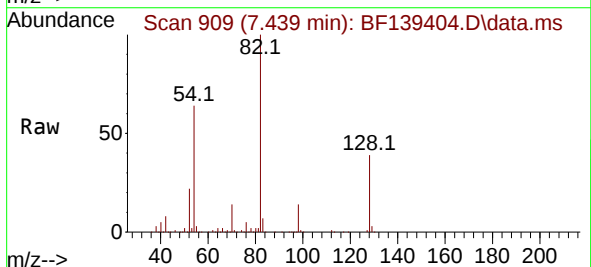
Instrument :
BNA_F
ClientSampleId :
TP-2

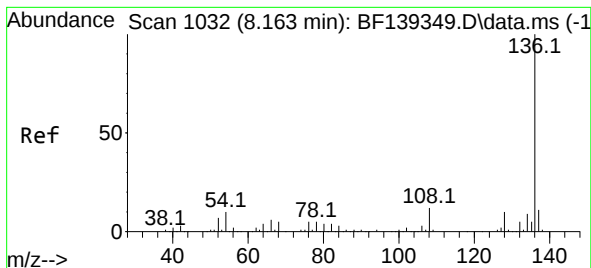
Tgt Ion: 99 Resp: 489241
Ion Ratio Lower Upper
99 100
42 26.5 21.9 32.9
71 41.8 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.256 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion: 70 Resp: 48613
Ion Ratio Lower Upper
70 100
42 57.5 61.2 91.8#
101 0.0 7.5 11.3#
130 1.9 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:136 Resp: 239430

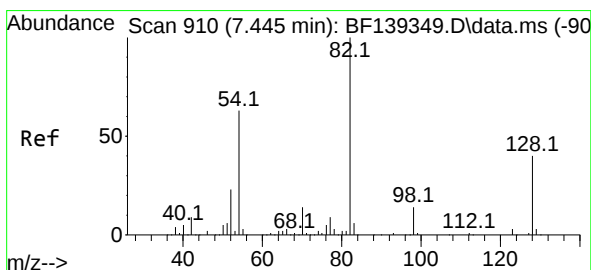
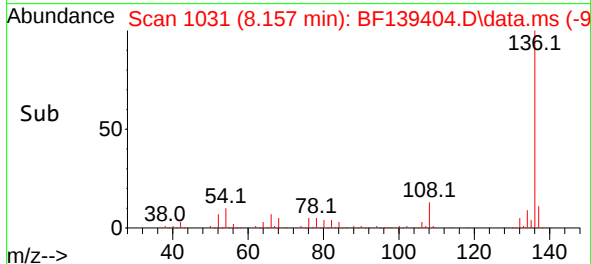
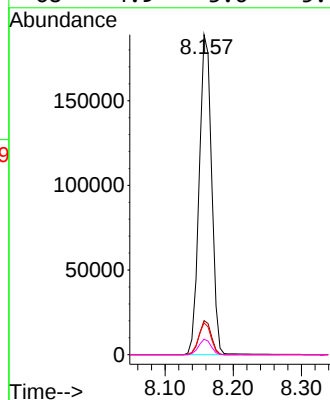
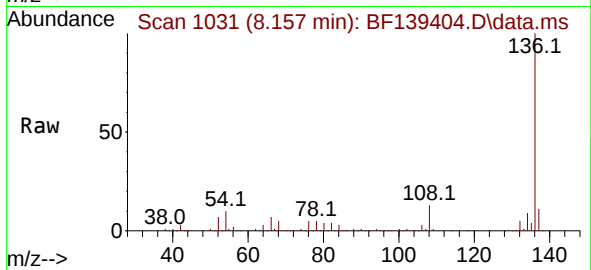
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 10.0 7.8 11.8

68 4.9 3.6 5.4



#23

Nitrobenzene-d5

Concen: 65.224 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

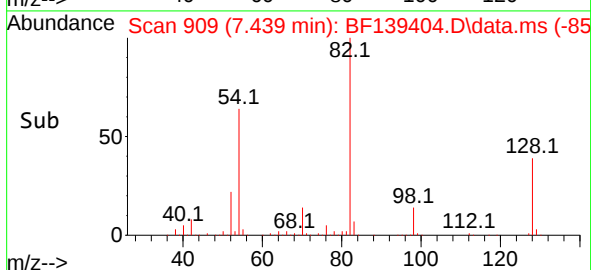
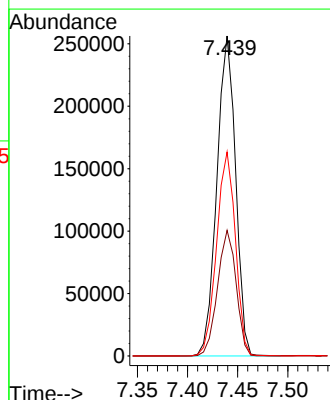
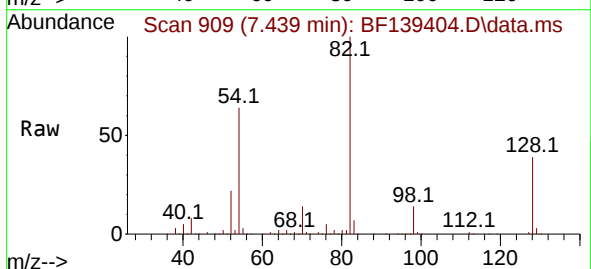
Tgt Ion: 82 Resp: 332187

Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

54 63.7 50.6 75.8

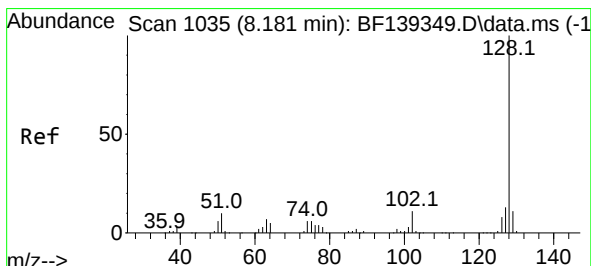
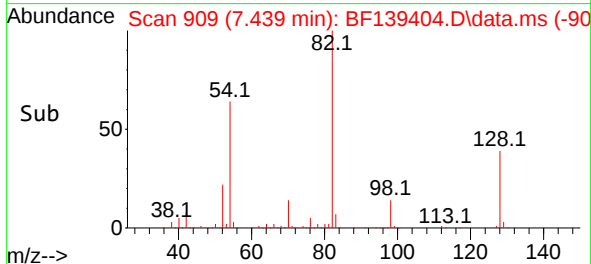
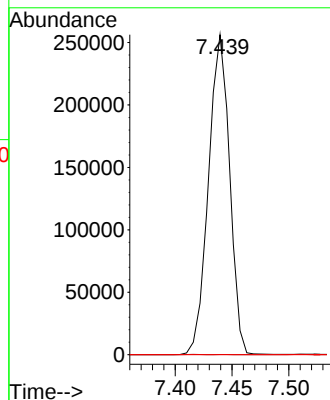
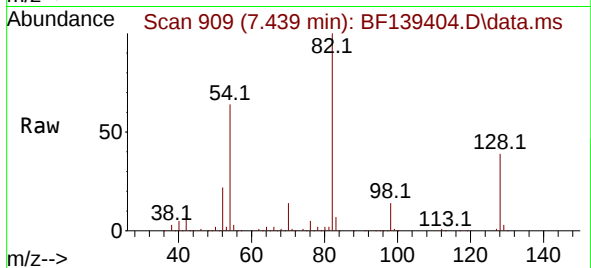




#25
Isophorone
Concen: 41.135 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

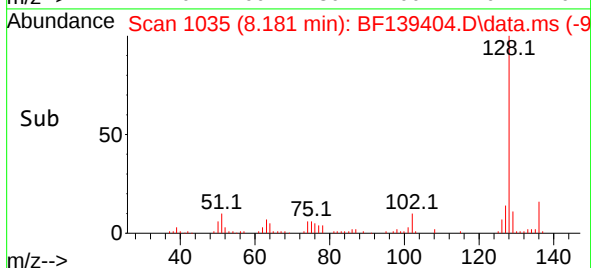
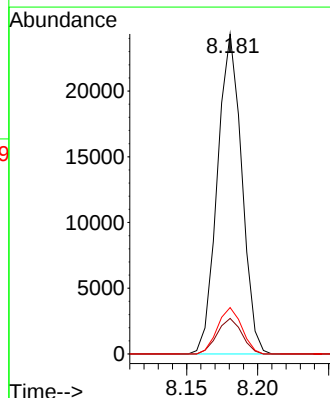
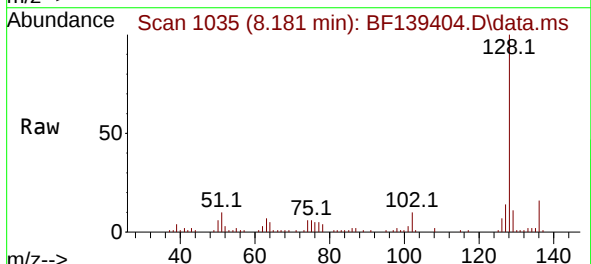
Instrument :
BNA_F
ClientSampleId :
TP-2

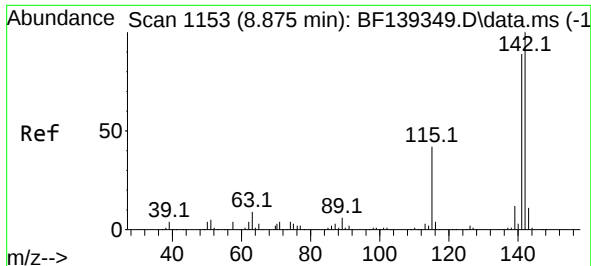
Tgt Ion: 82 Resp: 331325
Ion Ratio Lower Upper
82 100
95 0.1 6.7 10.1#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 2.321 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion: 128 Resp: 29011
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 14.5 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.114 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

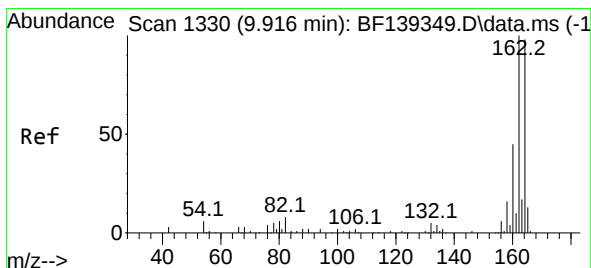
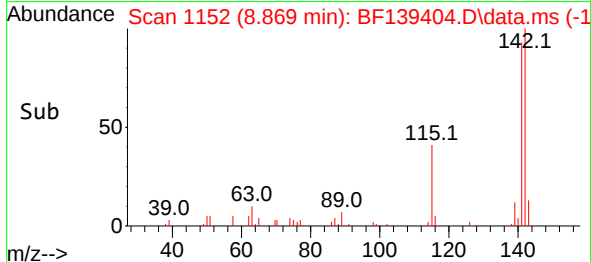
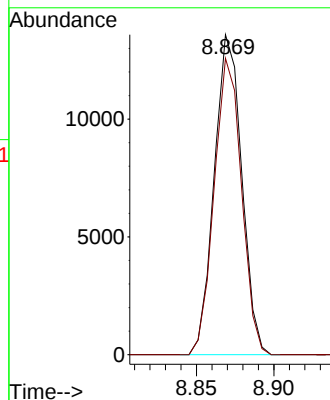
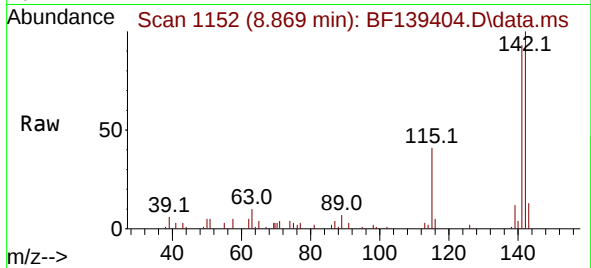
TP-2

Tgt Ion:142 Resp: 16772

Ion Ratio Lower Upper

142 100

141 92.6 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: BF139404.D

Acq: 17 Sep 2024 16:10

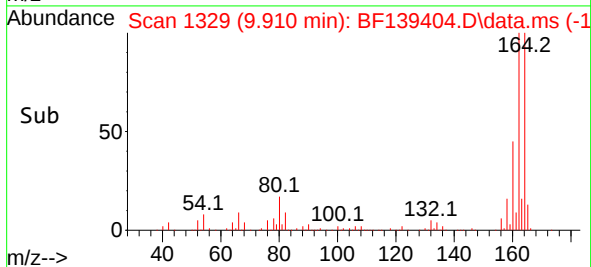
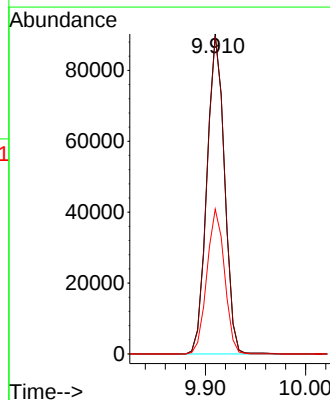
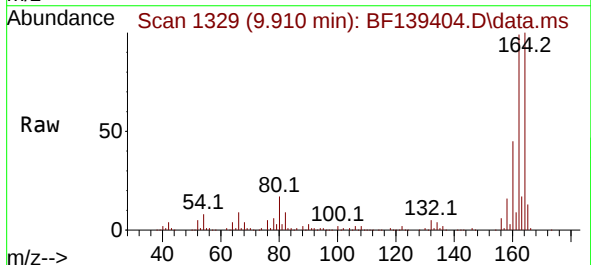
Tgt Ion:164 Resp: 110099

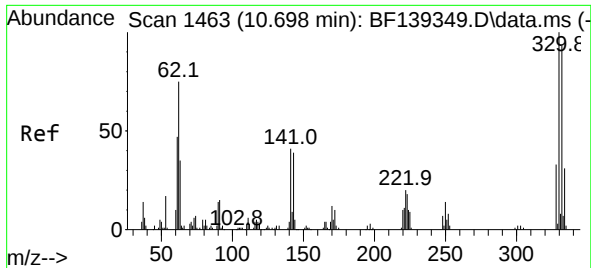
Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

160 45.3 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 72.858 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

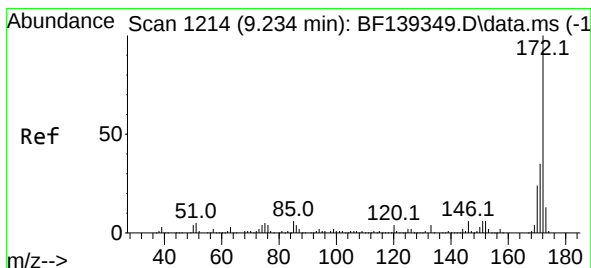
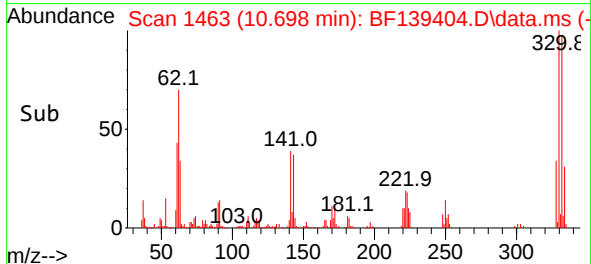
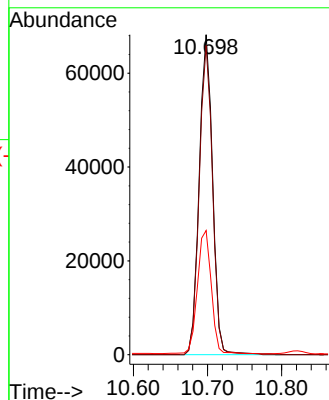
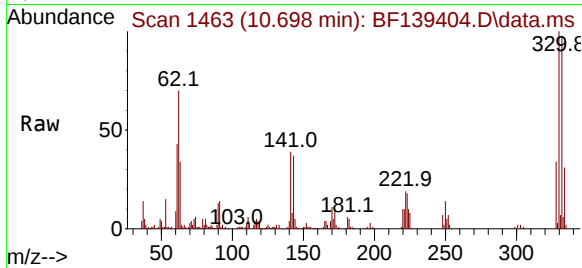
Tgt Ion:330 Resp: 85400

Ion Ratio Lower Upper

330 100

332 96.2 75.2 112.8

141 40.0 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 69.831 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

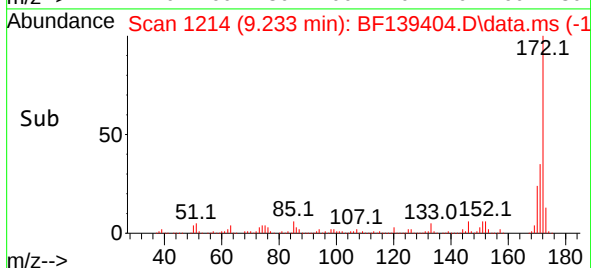
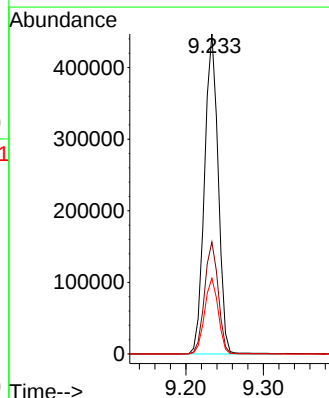
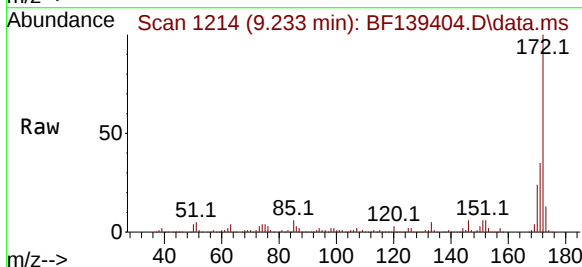
Tgt Ion:172 Resp: 548180

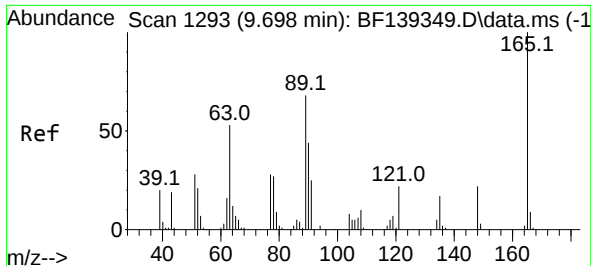
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.656 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

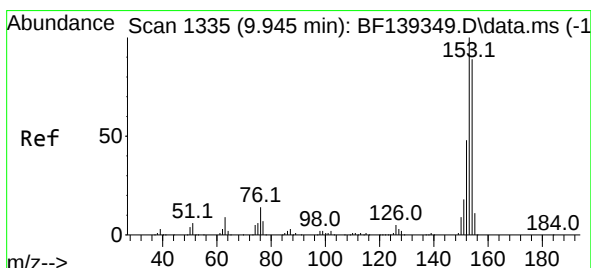
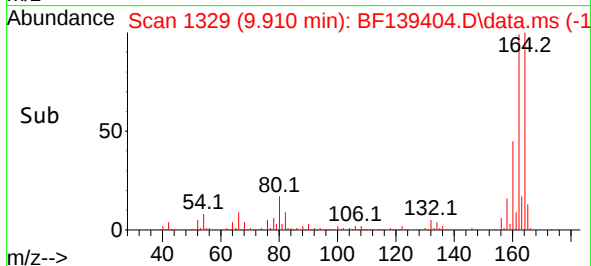
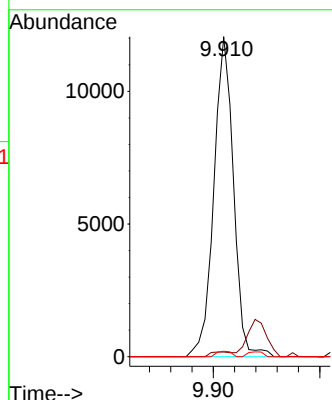
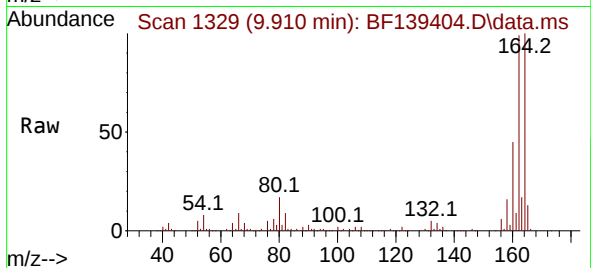
Tgt Ion:165 Resp: 15457

Ion Ratio Lower Upper

165 100

63 1.5 60.9 91.3#

89 1.7 54.7 82.1#



#52

Acenaphthene

Concen: 2.168 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

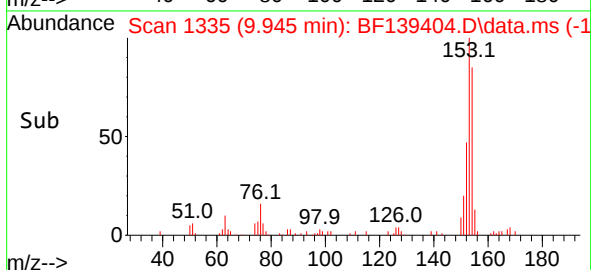
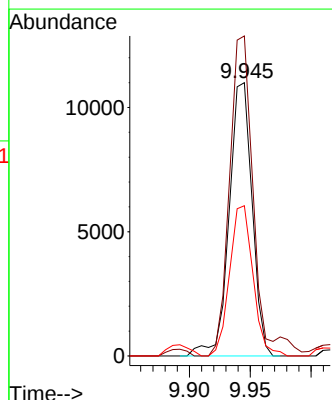
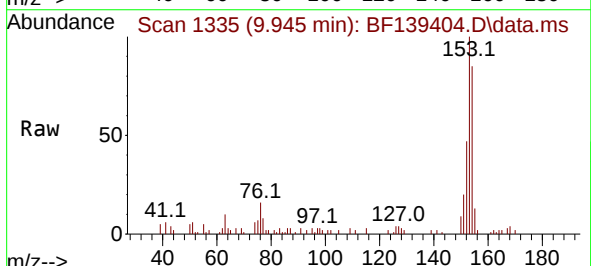
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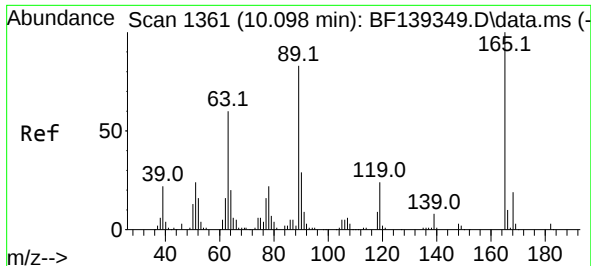
Ion Ratio Lower Upper

154 100

153 117.1 89.5 134.3

152 55.0 42.6 64.0

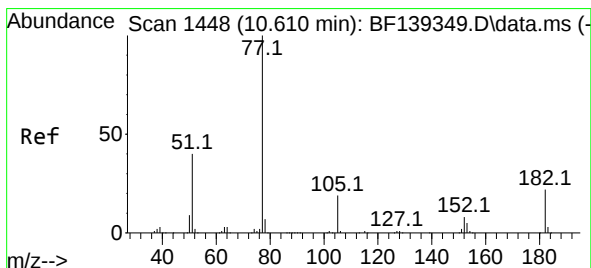
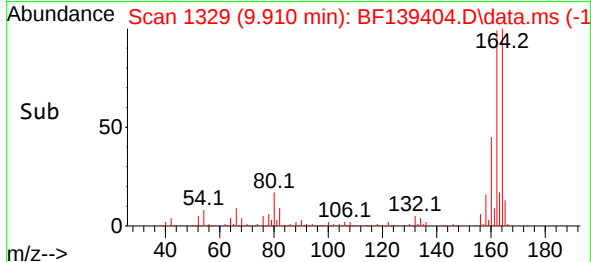
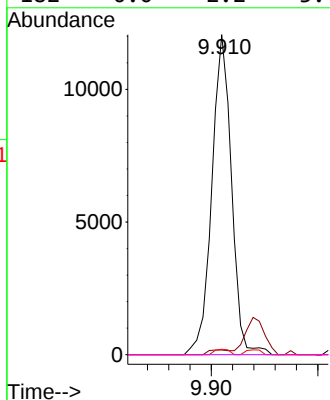
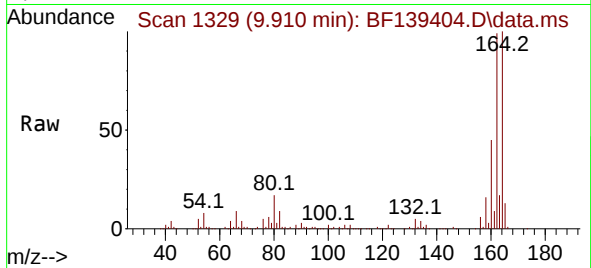




#57
2,4-Dinitrotoluene
Concen: 7.152 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

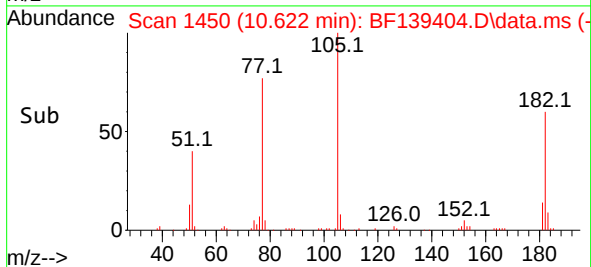
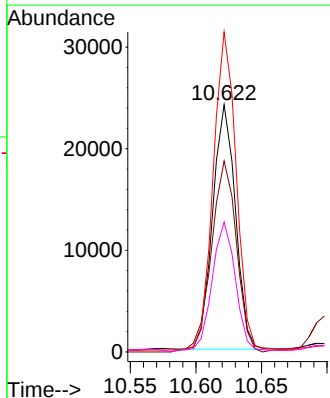
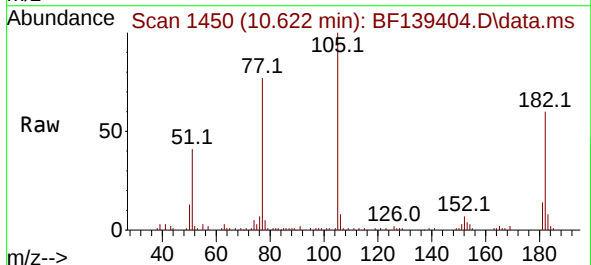
Instrument :
BNA_F
ClientSampleId :
TP-2

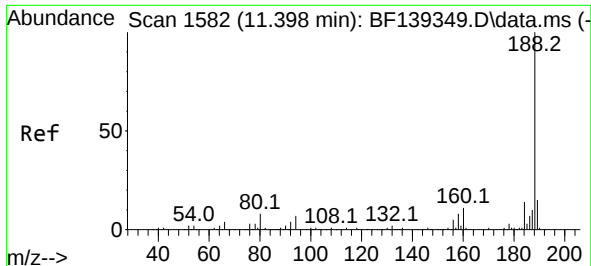
Tgt Ion:	165	Resp:	15457
Ion Ratio	Lower	Upper	
165	100		
63	1.5	47.8	71.6#
89	1.7	66.7	100.1#
182	0.0	2.2	3.4#



#63
Azobenzene
Concen: 3.955 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.012 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion:	77	Resp:	29009
Ion Ratio	Lower	Upper	
77	100		
182	77.2	1.8	41.8#
105	129.4	0.0	38.6#
51	52.5	21.4	61.4

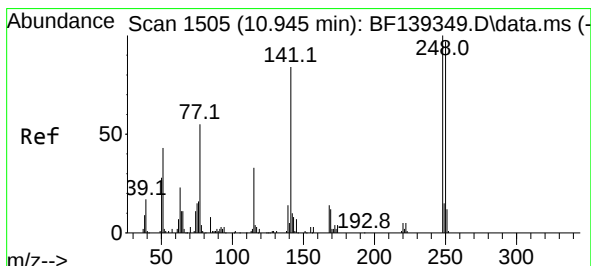
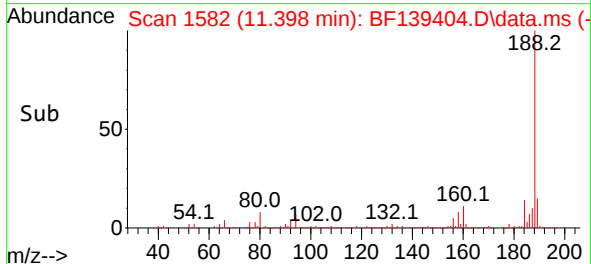
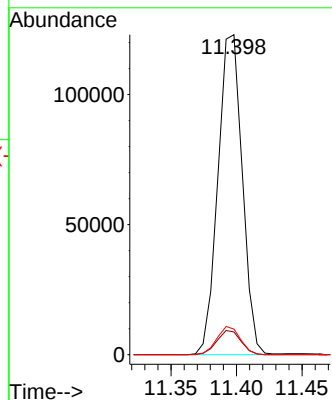
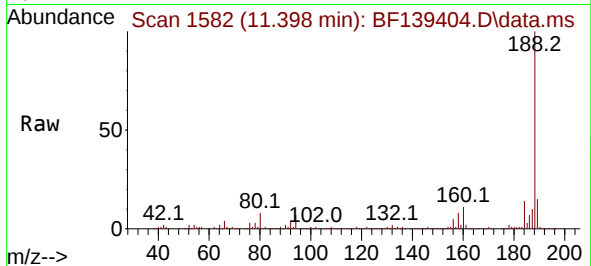




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

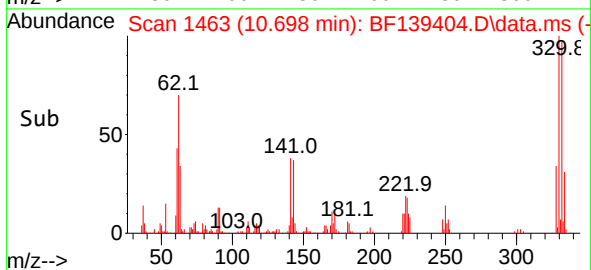
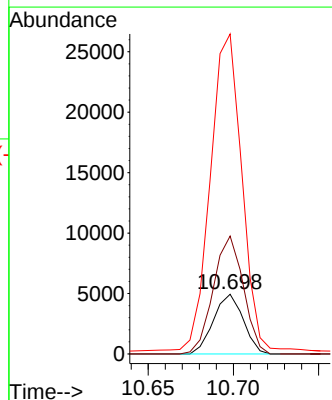
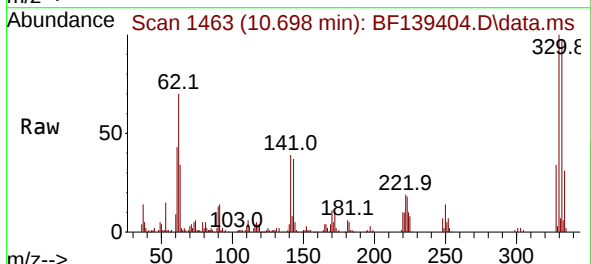
Instrument :
BNA_F
ClientSampleId :
TP-2

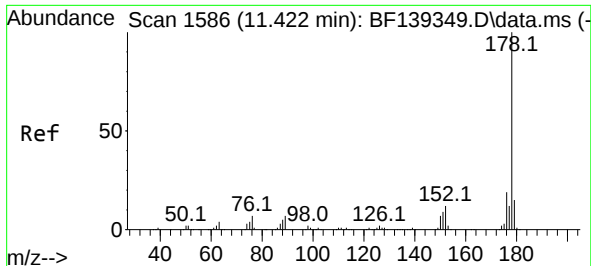
Tgt Ion:188 Resp: 158871
Ion Ratio Lower Upper
188 100
94 7.1 5.5 8.3
80 8.0 6.6 9.8



#67
4-Bromophenyl-phenylether
Concen: 3.807 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion:248 Resp: 5993
Ion Ratio Lower Upper
248 100
250 197.5 77.6 116.4#
141 535.7 66.9 100.3#

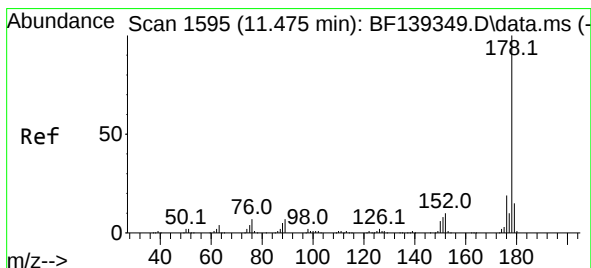
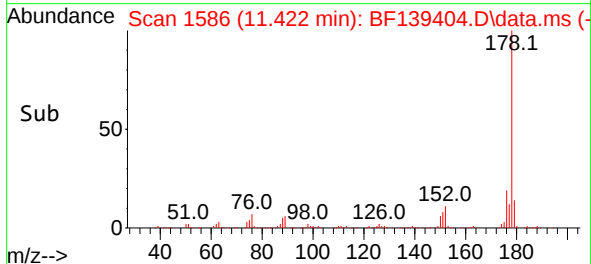
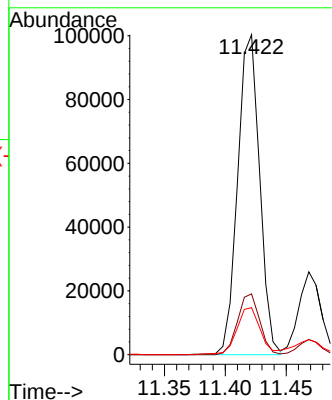
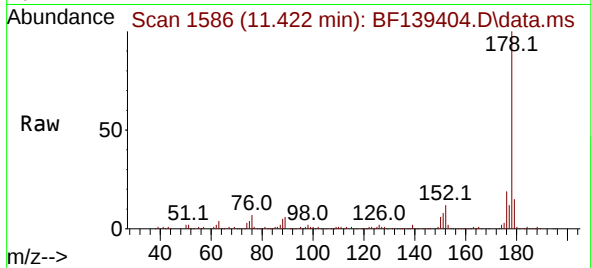




#71
Phenanthrene
Concen: 16.454 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

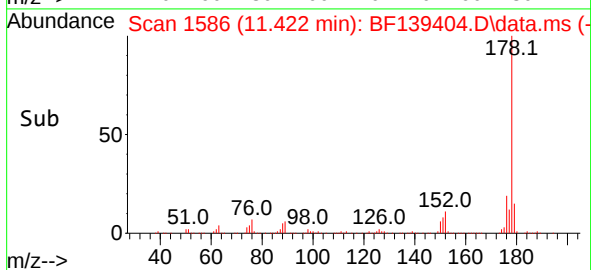
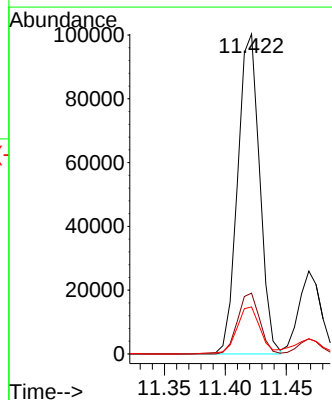
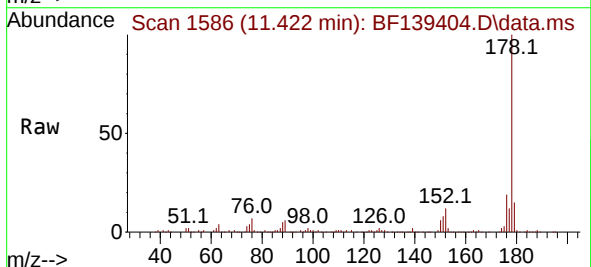
Instrument :
BNA_F
ClientSampleId :
TP-2

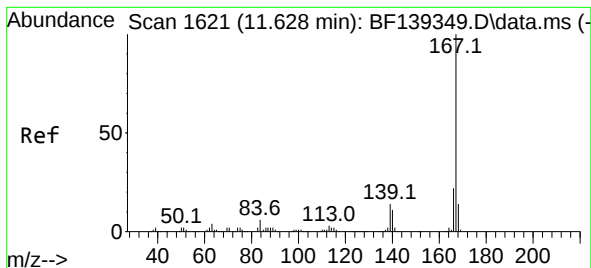
Tgt Ion:178 Resp: 126121
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 14.7 12.2 18.4



#72
Anthracene
Concen: 16.829 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.053 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion:178 Resp: 126121
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 14.7 12.0 18.0





#73

Carbazole

Concen: 2.006 ng

RT: 11.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

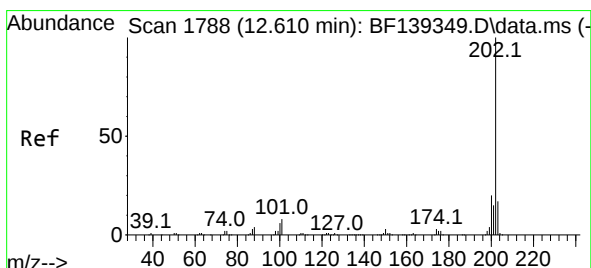
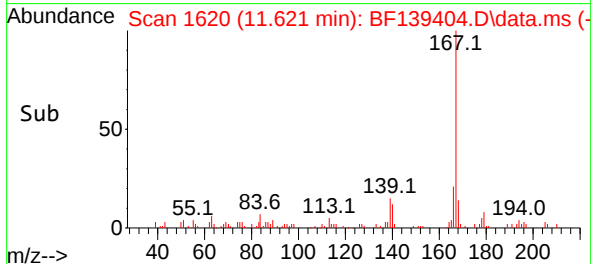
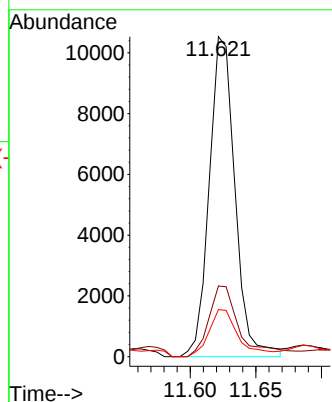
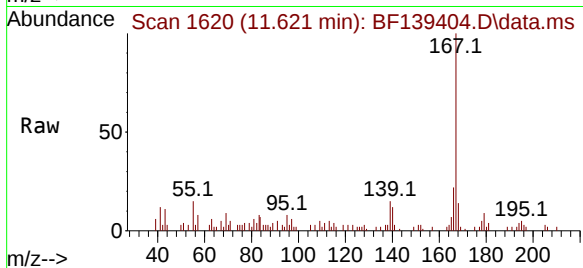
Tgt Ion:167 Resp: 14390

Ion Ratio Lower Upper

167 100

166 22.1 17.5 26.3

139 14.7 10.9 16.3



#75

Fluoranthene

Concen: 27.720 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

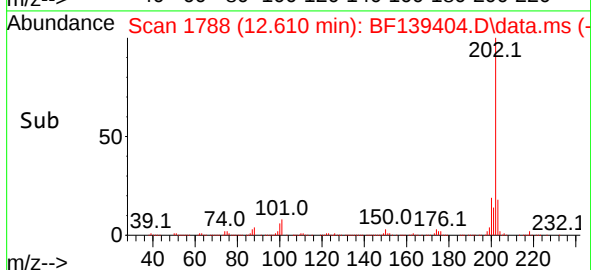
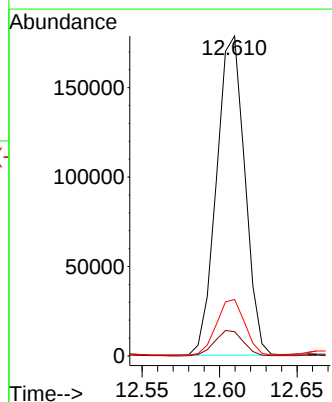
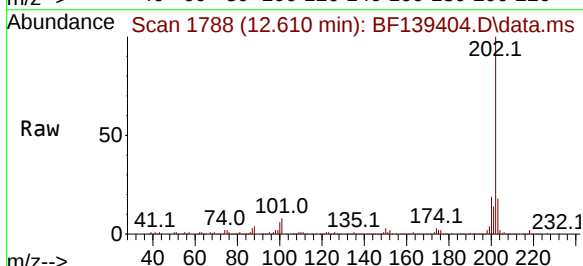
Tgt Ion:202 Resp: 226900

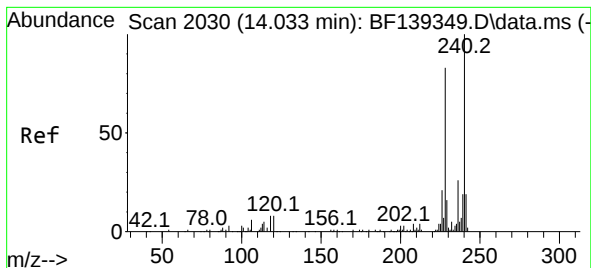
Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.7

203 17.6 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: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

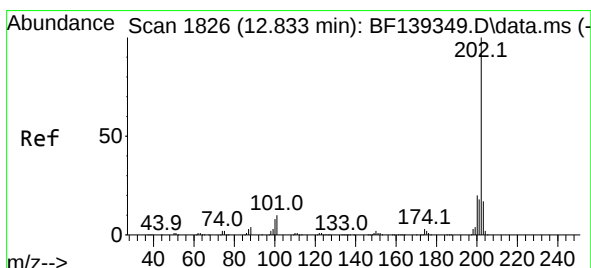
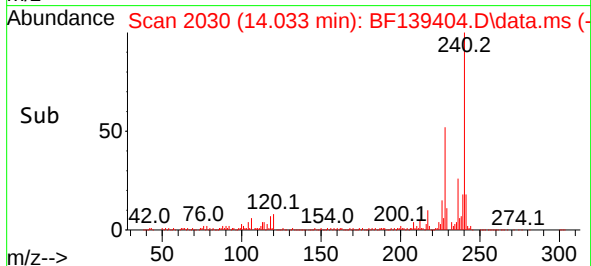
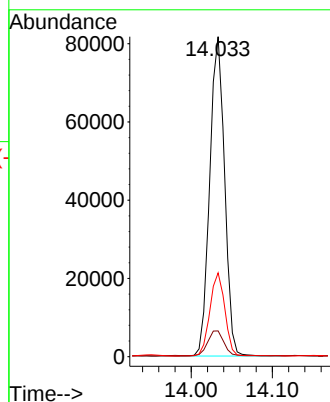
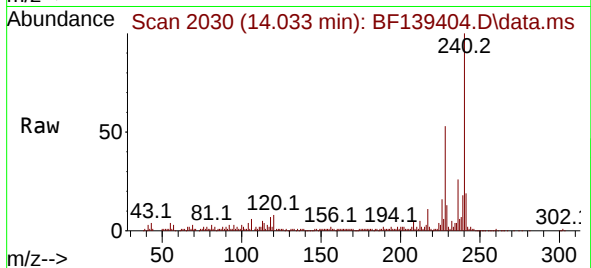
Tgt Ion:240 Resp: 103786

Ion Ratio Lower Upper

240 100

120 8.0 6.2 9.2

236 26.2 20.9 31.3



#78

Pyrene

Concen: 24.986 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

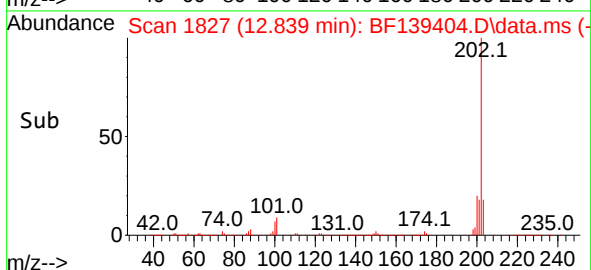
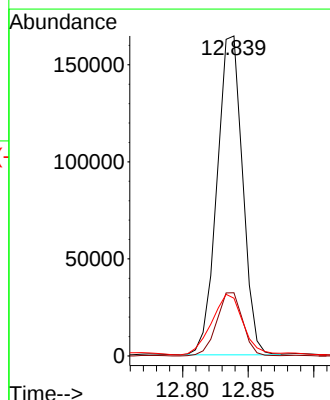
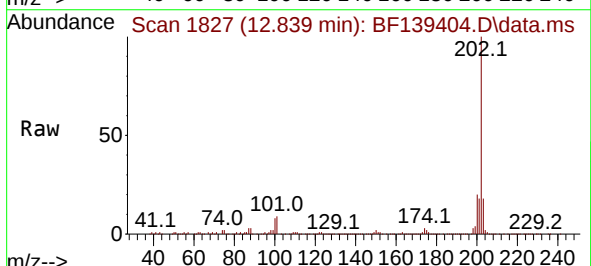
Tgt Ion:202 Resp: 222659

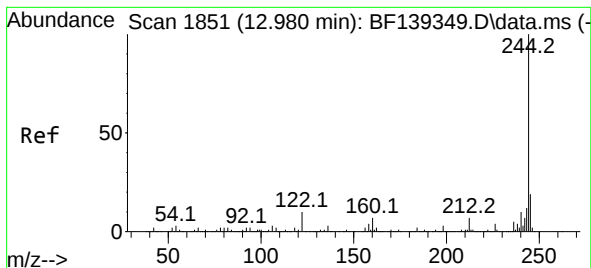
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 63.276 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

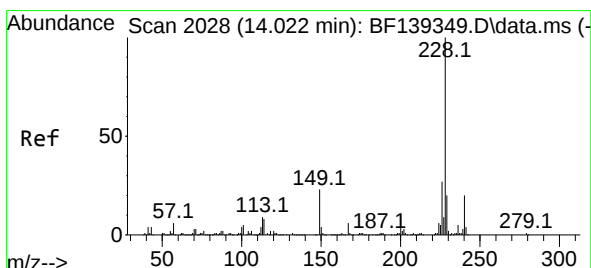
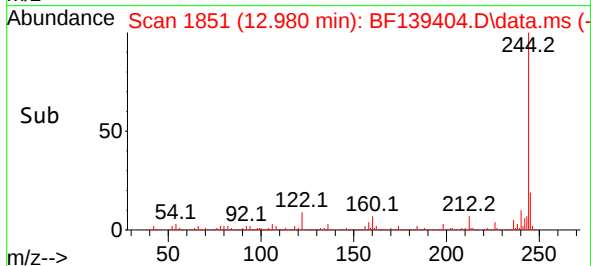
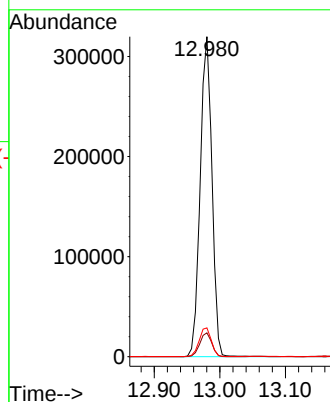
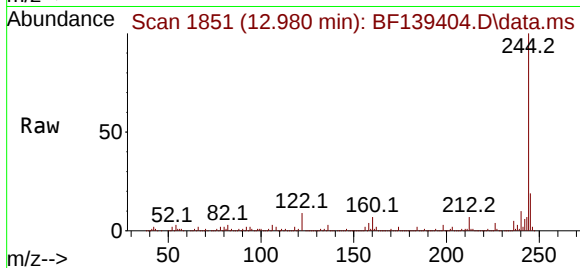
Tgt Ion:244 Resp: 400097

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.0 7.6 11.4



#81

Benzo(a)anthracene

Concen: 18.453 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

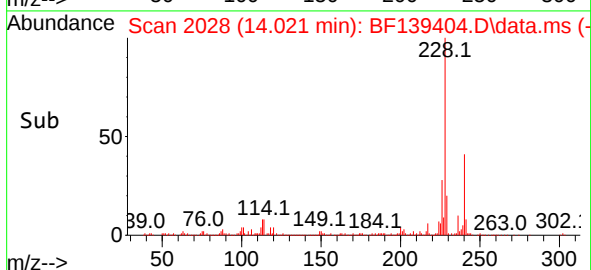
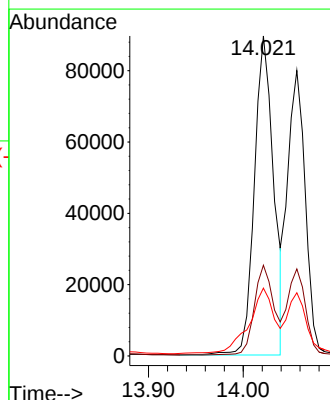
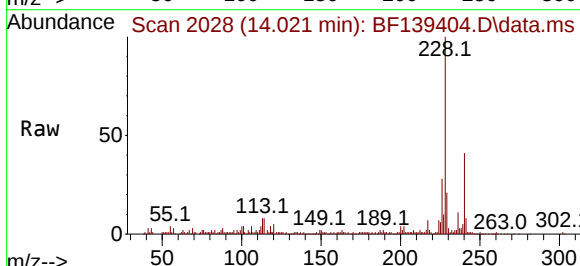
Tgt Ion:228 Resp: 126861

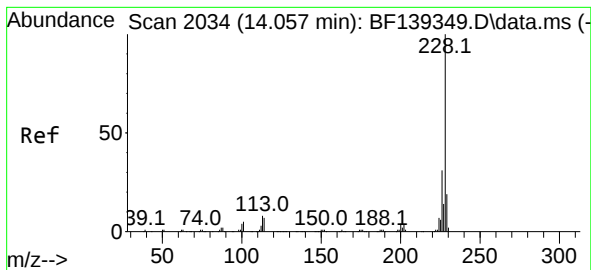
Ion Ratio Lower Upper

228 100

226 28.4 21.6 32.4

229 21.2 15.7 23.5





#83

Chrysene

Concen: 16.209 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2

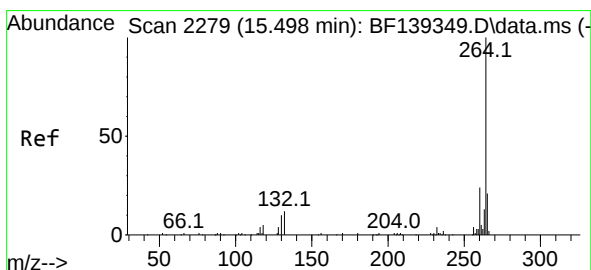
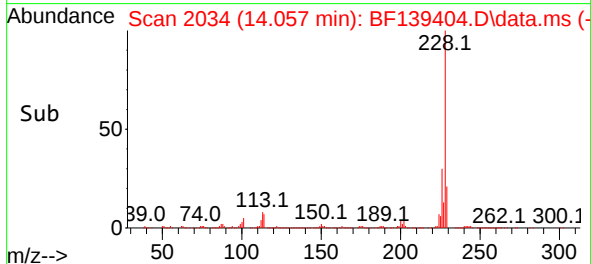
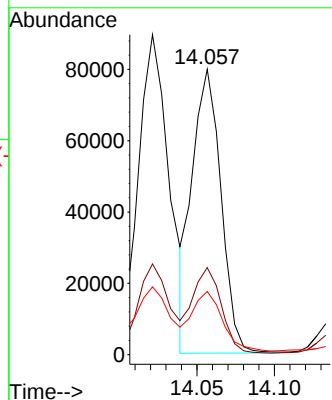
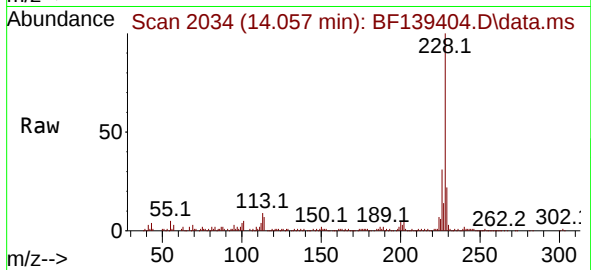
Tgt Ion:228 Resp: 102518

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 22.2 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139404.D

Acq: 17 Sep 2024 16:10

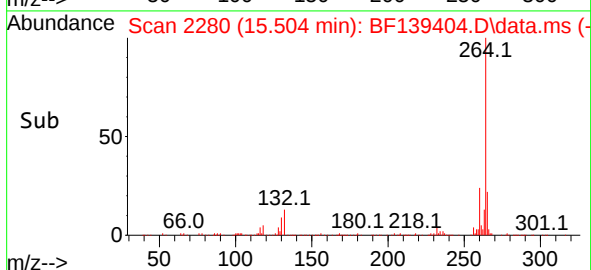
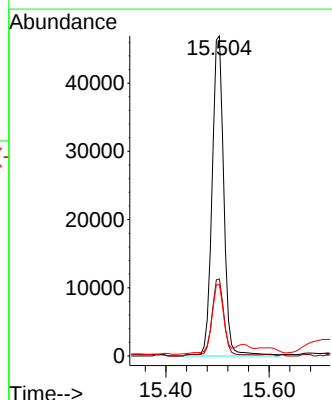
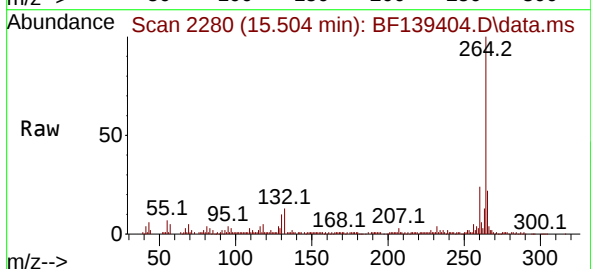
Tgt Ion:264 Resp: 73888

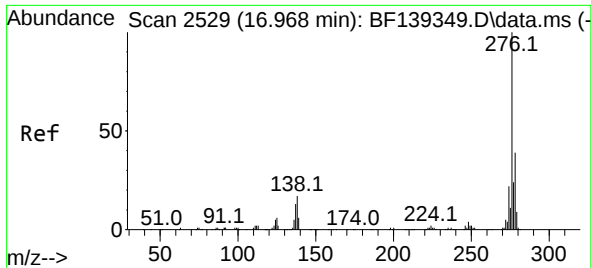
Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.4 16.6 25.0

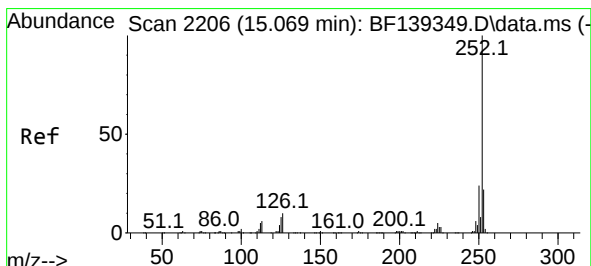
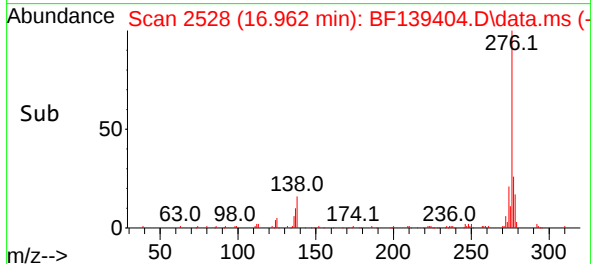
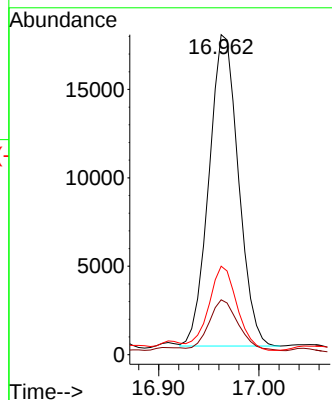
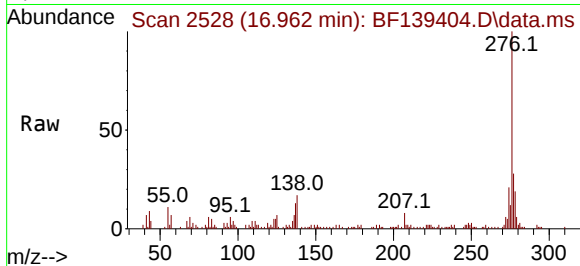




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.181 ng
 RT: 16.962 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139404.D
 Acq: 17 Sep 2024 16:10

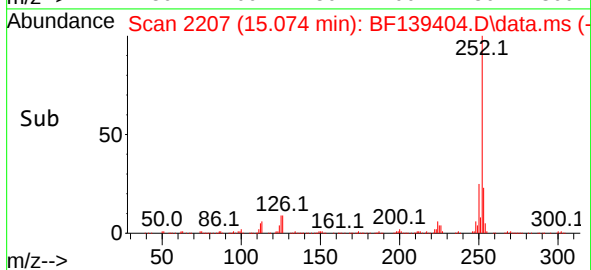
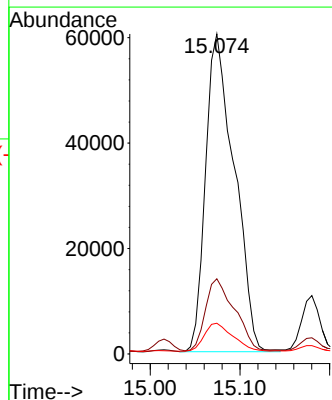
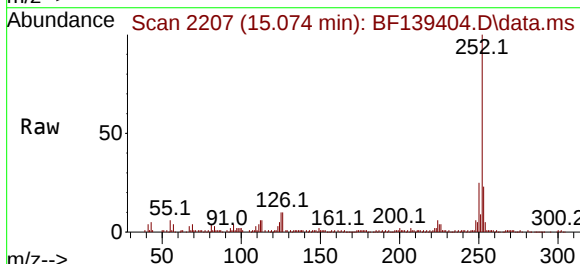
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

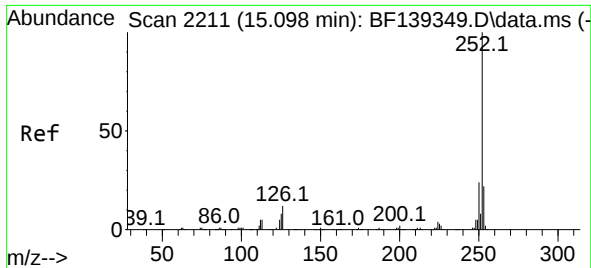
Tgt Ion:276 Resp: 35943
 Ion Ratio Lower Upper
 276 100
 138 16.5 15.4 23.2
 277 26.2 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 29.435 ng
 RT: 15.074 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF139404.D
 Acq: 17 Sep 2024 16:10

Tgt Ion:252 Resp: 134132
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 9.6 6.2 9.2#

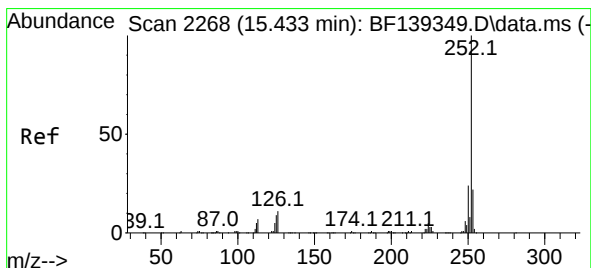
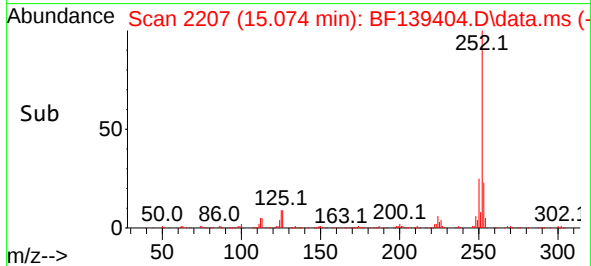
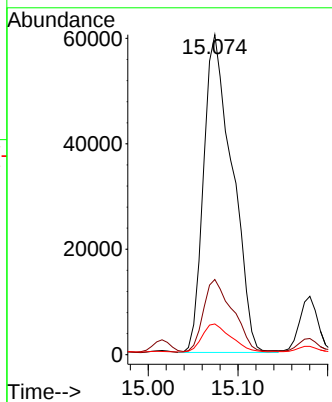
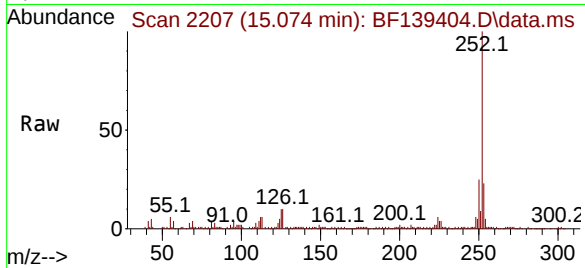




#89
Benzo(k)fluoranthene
Concen: 31.924 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

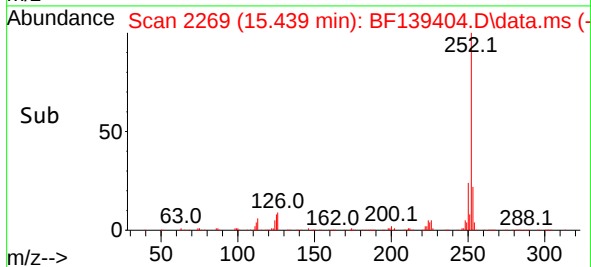
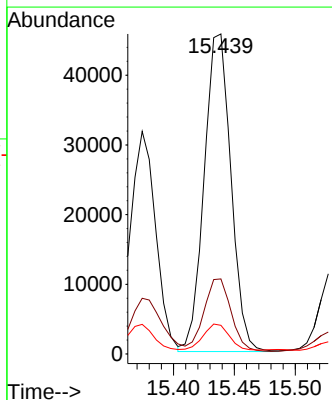
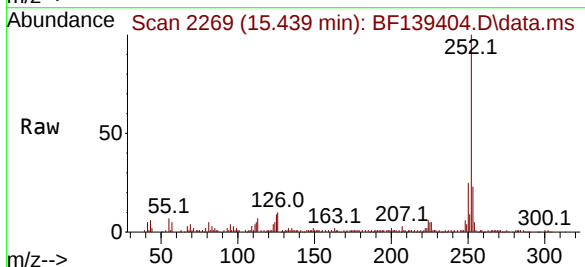
Instrument :
BNA_F
ClientSampleId :
TP-2

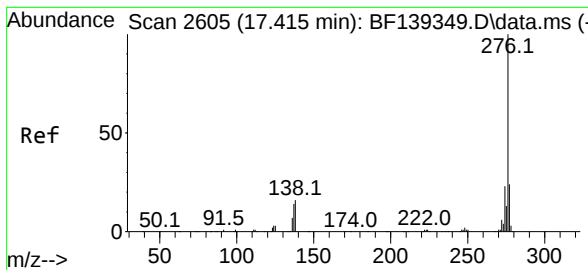
Tgt Ion:252 Resp: 134132
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 9.6 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 18.453 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139404.D
Acq: 17 Sep 2024 16:10

Tgt Ion:252 Resp: 69740
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 8.9 6.8 10.2





#92

Benzo(g,h,i)perylene

Concen: 10.768 ng

RT: 17.409 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF139404.D

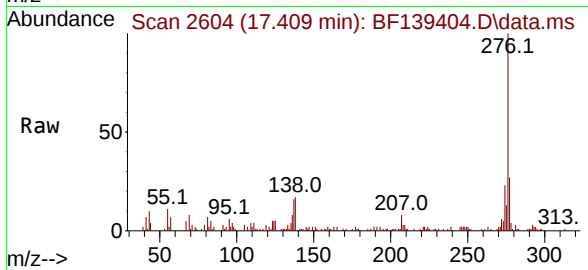
Acq: 17 Sep 2024 16:10

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:276 Resp: 38706

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 16.6 13.0 19.6

