

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139779.D
 Acq On : 11 Oct 2024 17:13
 Operator : RC/JU
 Sample : P4264-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0.167-0.667

Quant Time: Oct 11 18:15:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

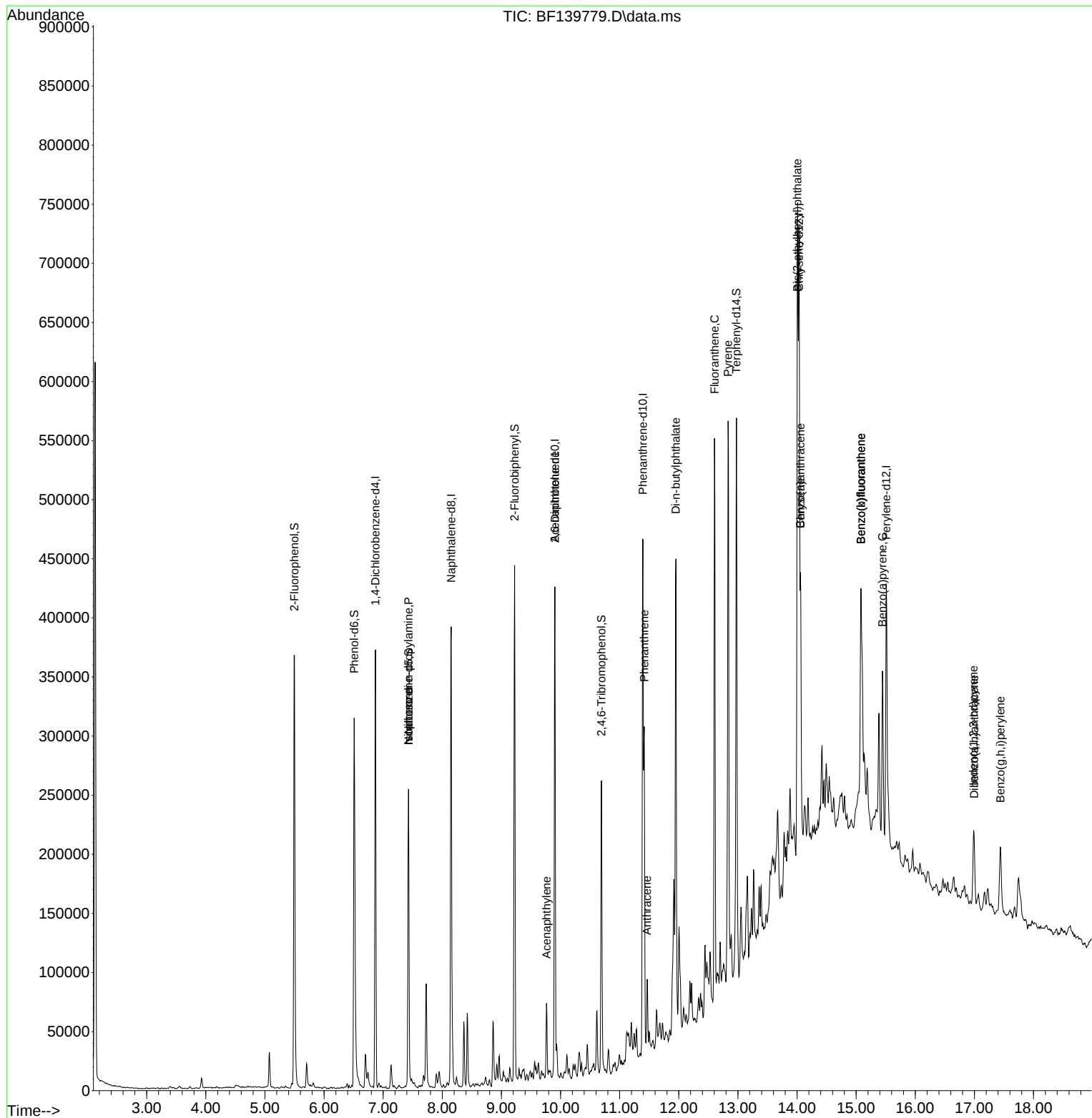
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	72993	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	237933	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	118021	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	226057	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165384	20.000	ng	0.00
86) Perylene-d12	15.510	264	117287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	146584	34.807	ng	0.01
7) Phenol-d6	6.510	99	170877	30.172	ng	0.00
23) Nitrobenzene-d5	7.428	82	104229	22.179	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	36627	32.149	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	184081	23.945	ng	0.00
79) Terphenyl-d14	12.974	244	220095	21.836	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	13968	3.836	ng	# 77
25) Isophorone	7.428	82	102115	12.234	ng	# 66
49) Acenaphthylene	9.763	152	34715	3.469	ng	97
51) 2,6-Dinitrotoluene	9.904	165	16045	9.194	ng	# 18
71) Phenanthrene	11.416	178	140080	13.142	ng	99
72) Anthracene	11.463	178	39089	3.707	ng	98
74) Di-n-butylphthalate	11.951	149	277982	22.571	ng	99
75) Fluoranthene	12.604	202	268429	23.038	ng	100
78) Pyrene	12.833	202	276172	18.671	ng	98
81) Benzo(a)anthracene	14.057	228	120094	11.045	ng	94
83) Chrysene	14.057	228	120094	12.081	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	192053	29.069	ng	100
87) Indeno(1,2,3-cd)pyrene	16.986	276	50199	7.272	ng	95
88) Benzo(b)fluoranthene	15.080	252	151799	20.017	ng	# 95
89) Benzo(k)fluoranthene	15.080	252	151799	23.597	ng	# 95
90) Benzo(a)pyrene	15.445	252	79900	13.362	ng	# 95
91) Dibenzo(a,h)anthracene	16.998	278	12660	2.211	ng	# 82
92) Benzo(g,h,i)perylene	17.439	276	52944	9.220	ng	98

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

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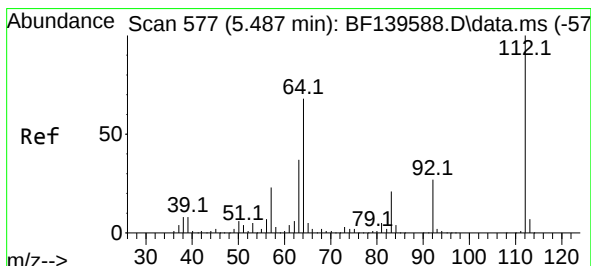
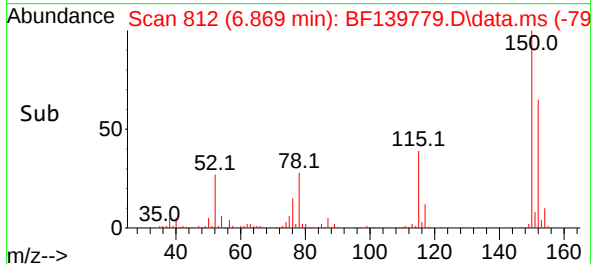
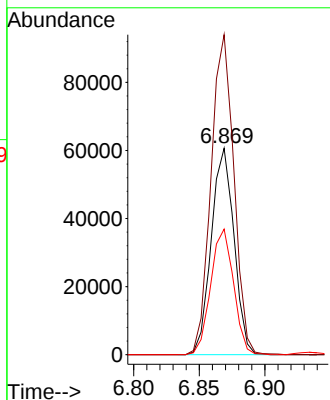
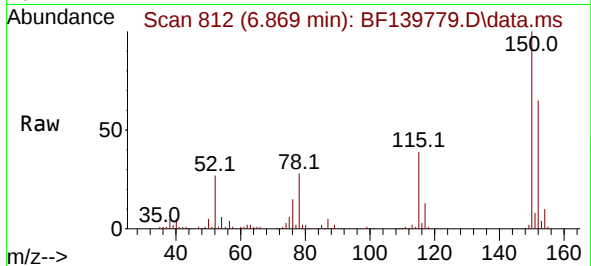




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

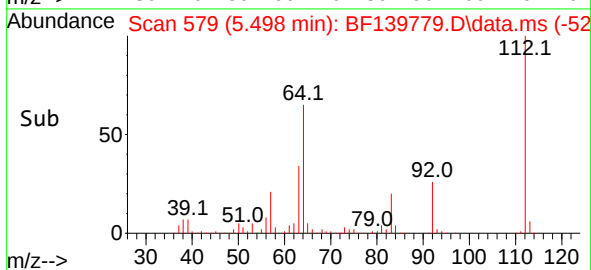
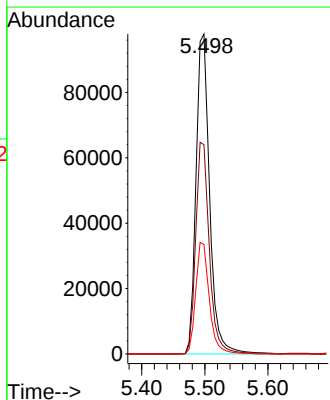
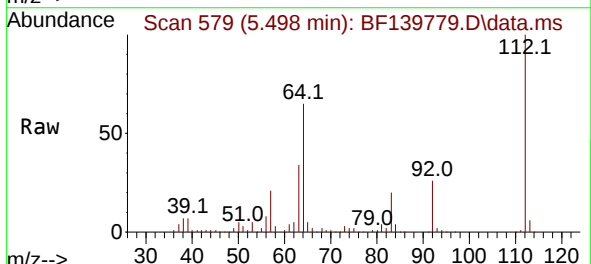
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667

Tgt Ion:152 Resp: 72993
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 34.807 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:112 Resp: 146584
Ion Ratio Lower Upper
112 100
64 65.4 54.2 81.4
63 34.2 29.4 44.2

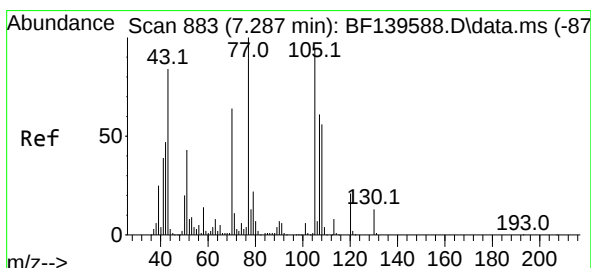
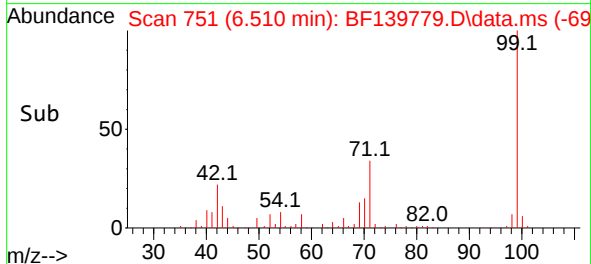
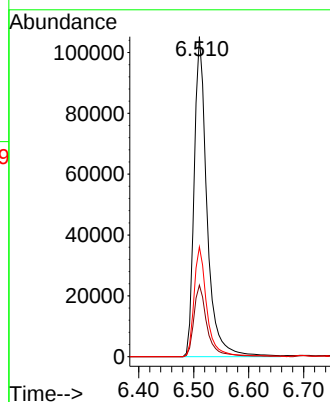
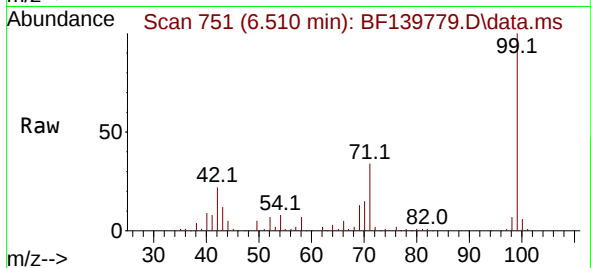




#7
Phenol-d6
Concen: 30.172 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

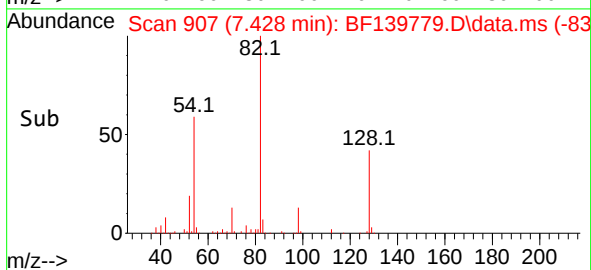
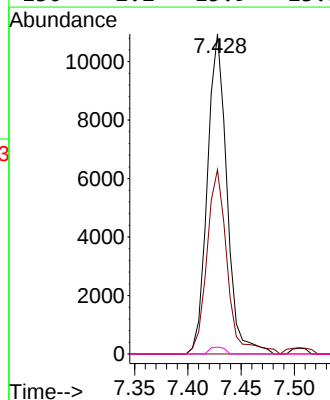
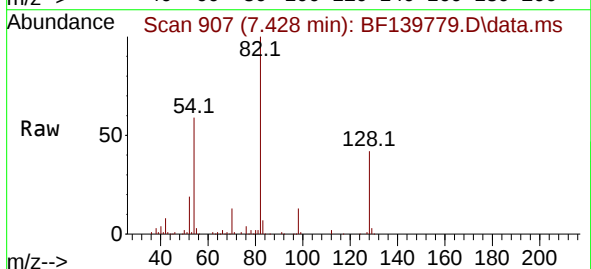
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667

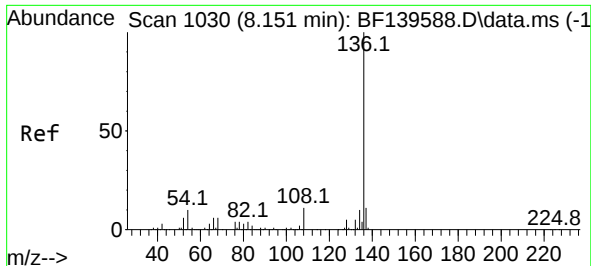
Tgt Ion: 99 Resp: 170877
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 34.3 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 3.836 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion: 70 Resp: 13968
Ion Ratio Lower Upper
70 100
42 57.6 58.0 87.0#
101 0.0 7.8 11.8#
130 2.2 15.9 23.9#



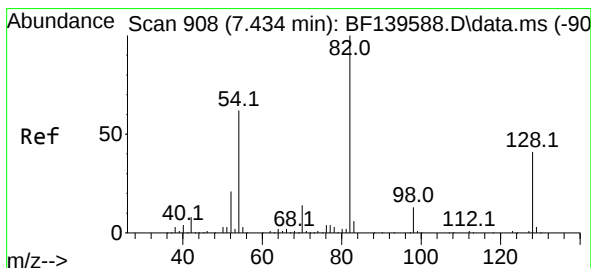
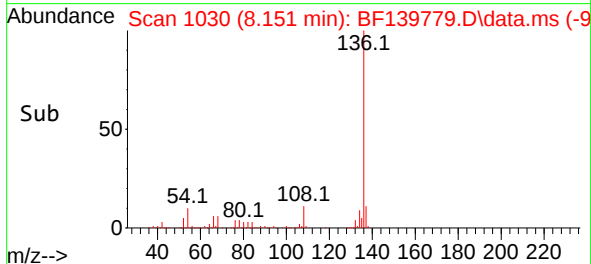
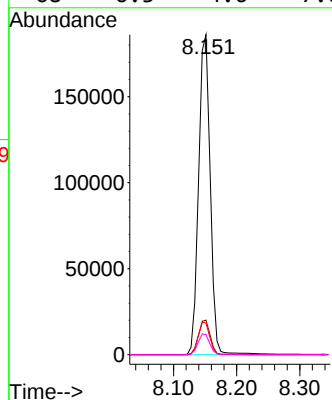
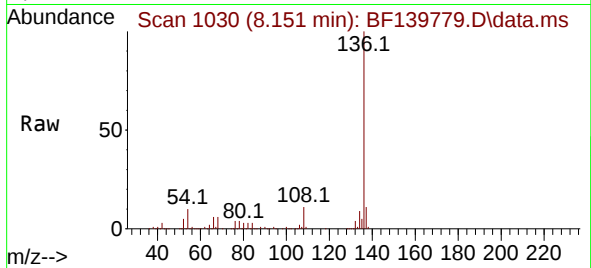


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667

Tgt Ion:136 Resp: 237933

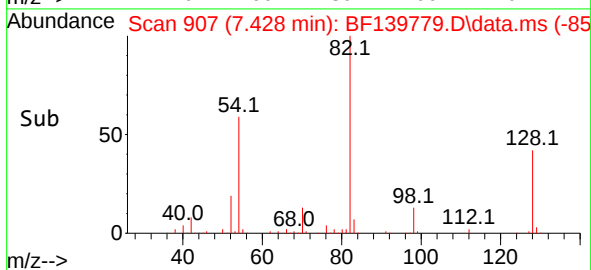
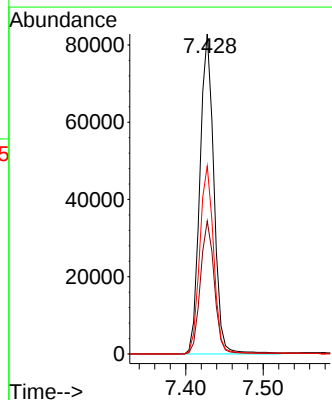
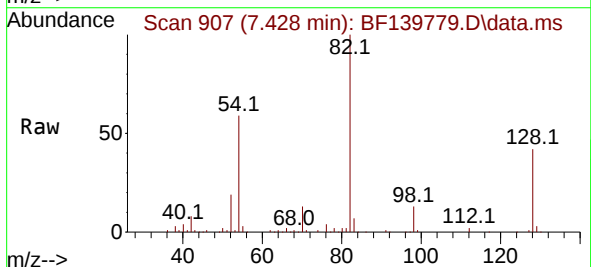
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.9	8.3	12.5
68	6.3	4.6	7.0



#23
Nitrobenzene-d5
Concen: 22.179 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion: 82 Resp: 104229

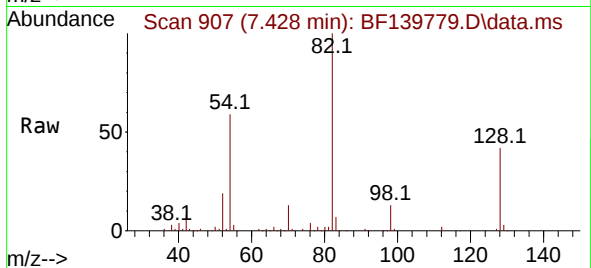
Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.4	48.6
54	58.7	49.1	73.7



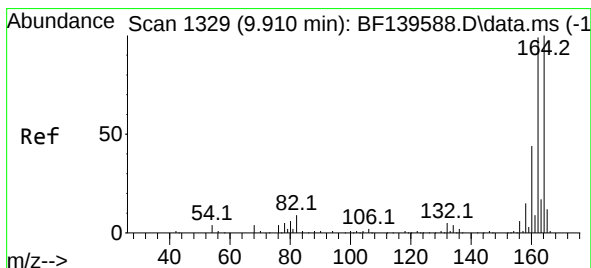
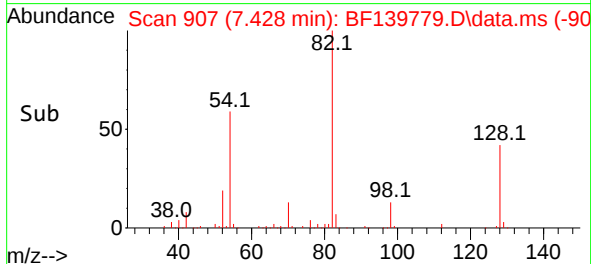
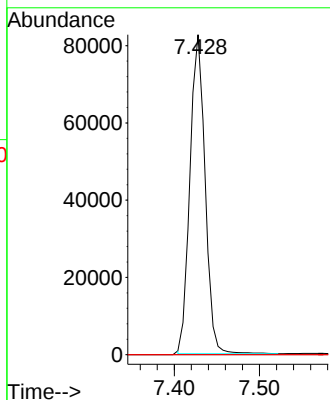


#25
Isophorone
Concen: 12.234 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667

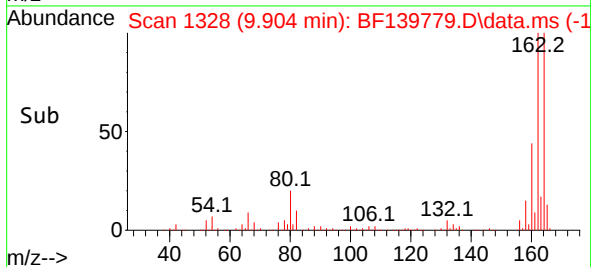
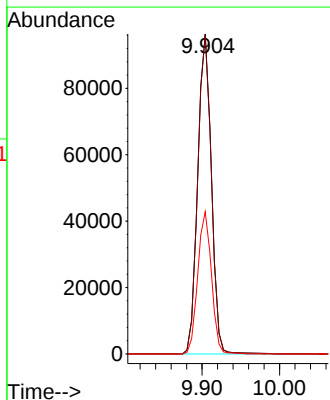
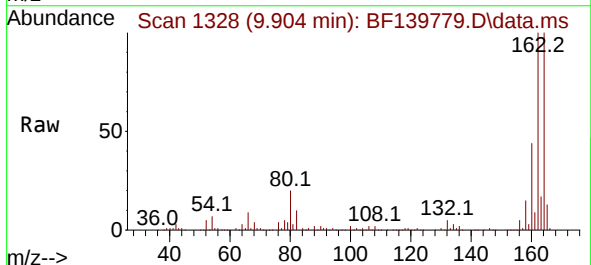


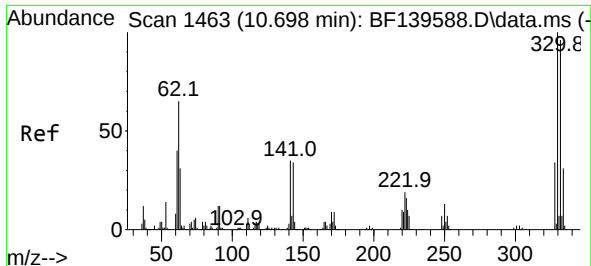
Tgt Ion: 82 Resp: 102115
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

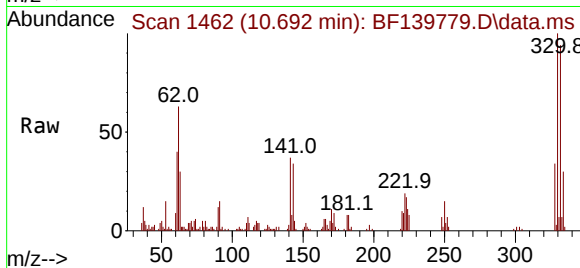
Tgt Ion:164 Resp: 118021
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 44.5 35.1 52.7



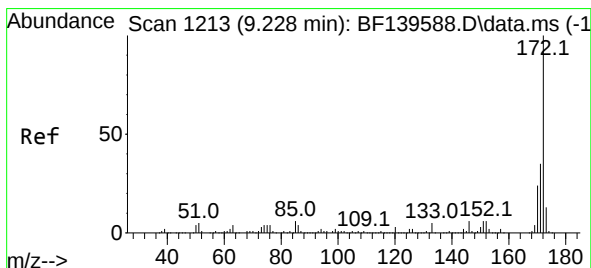
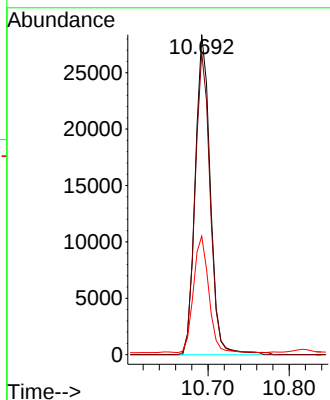
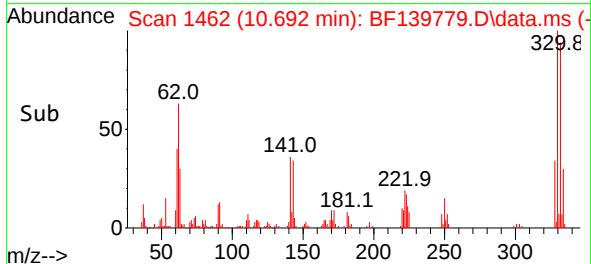


#42
2,4,6-Tribromophenol
Concen: 32.149 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Instrument :
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ClientSampleId :
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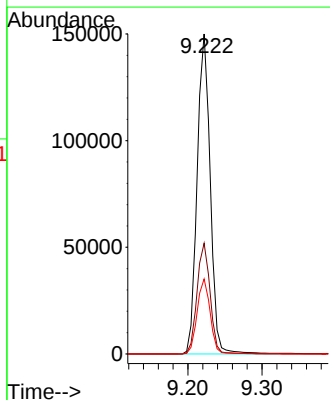
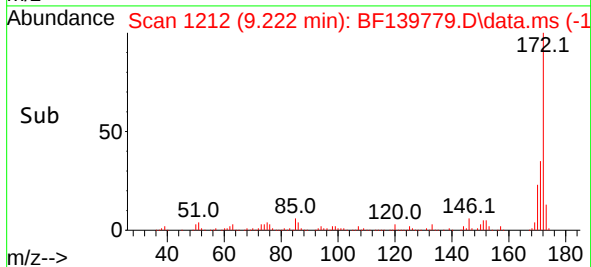
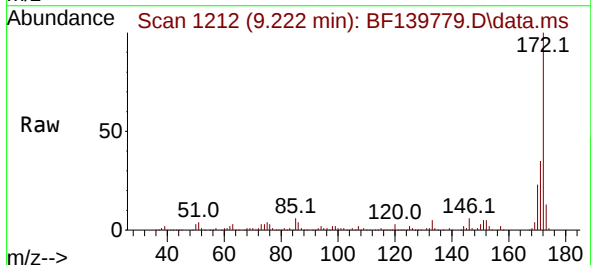


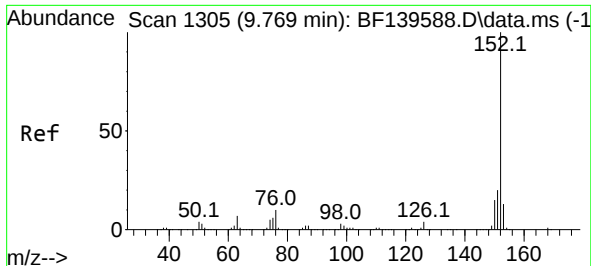
Tgt Ion:330 Resp: 36627
Ion Ratio Lower Upper
330 100
332 94.7 76.5 114.7
141 37.0 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 23.945 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:172 Resp: 184081
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.4 18.8 28.2

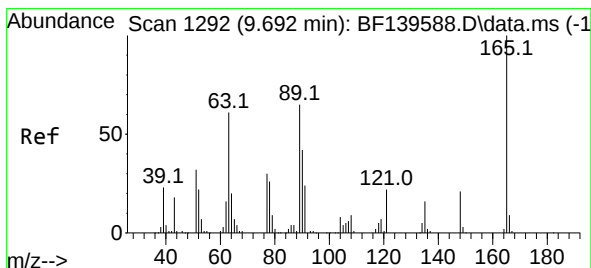
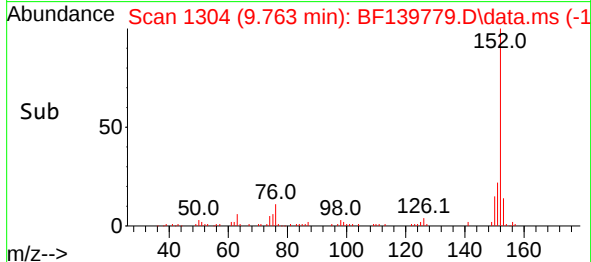
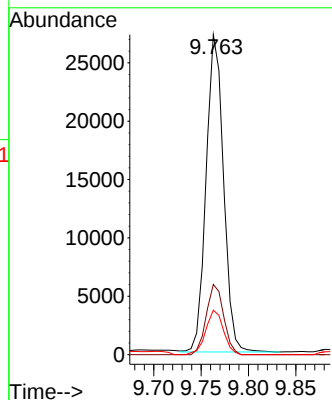
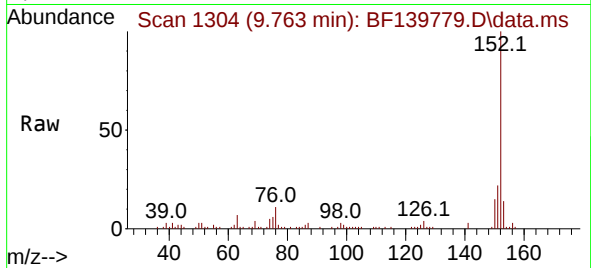




#49
Acenaphthylene
Concen: 3.469 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

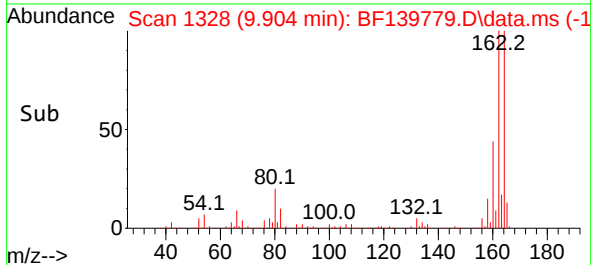
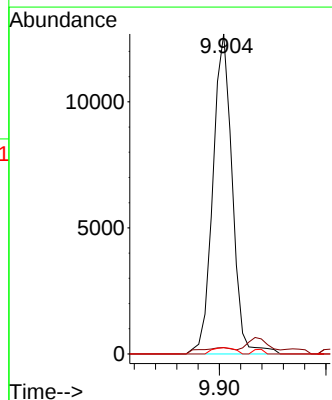
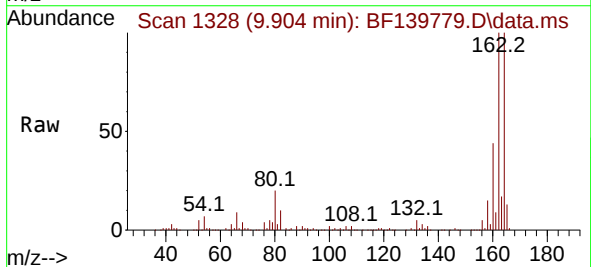
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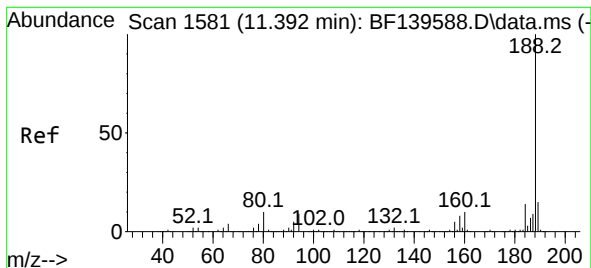
Tgt Ion:152 Resp: 34715
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 13.9 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 9.194 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:165 Resp: 16045
Ion Ratio Lower Upper
165 100
63 2.0 56.7 85.1#
89 2.0 51.6 77.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

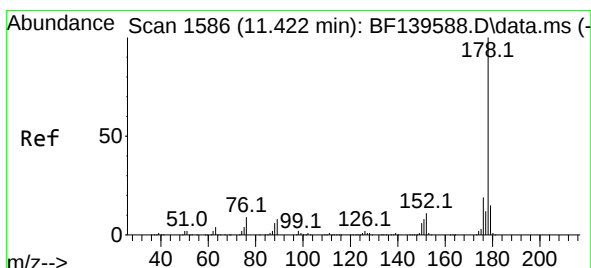
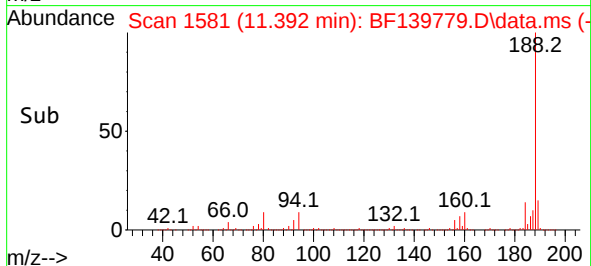
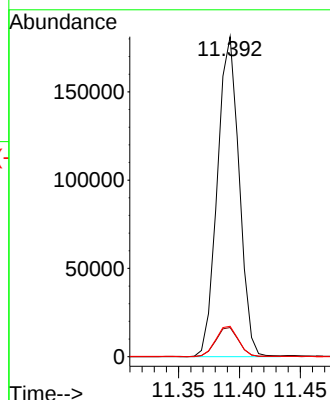
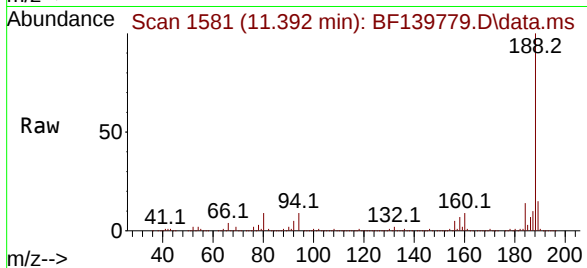
Tgt Ion:188 Resp: 226057

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.5 8.2 12.2



#71

Phenanthrene

Concen: 13.142 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

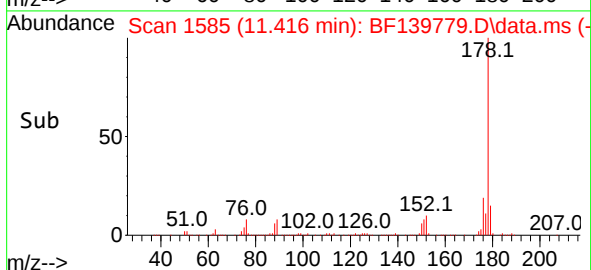
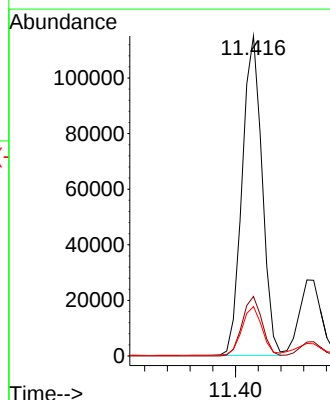
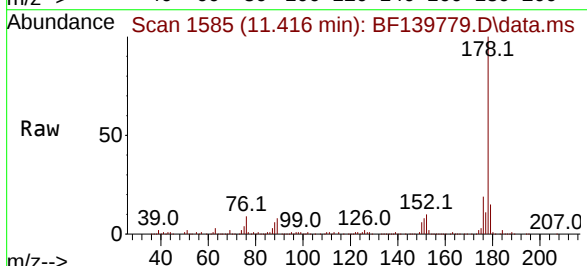
Tgt Ion:178 Resp: 140080

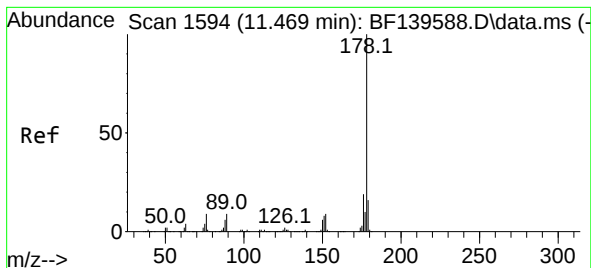
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.4 12.3 18.5





#72

Anthracene

Concen: 3.707 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

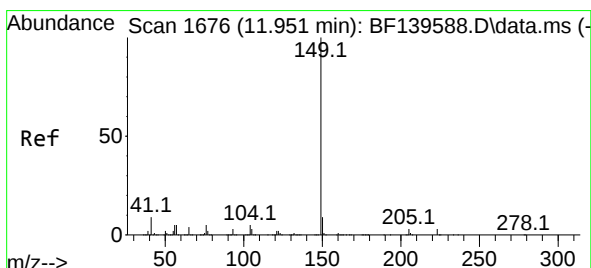
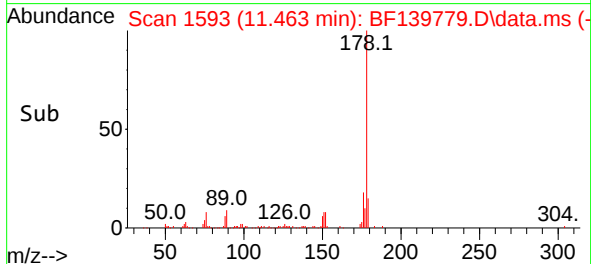
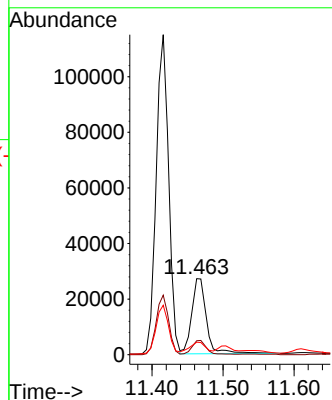
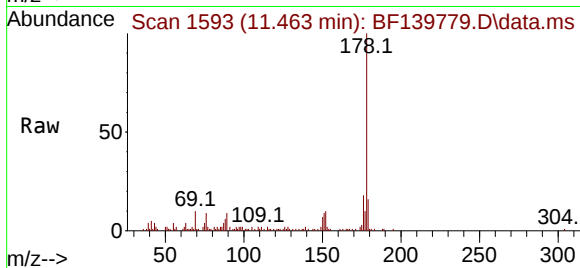
Tgt Ion:178 Resp: 39089

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 16.4 12.5 18.7



#74

Di-n-butylphthalate

Concen: 22.571 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

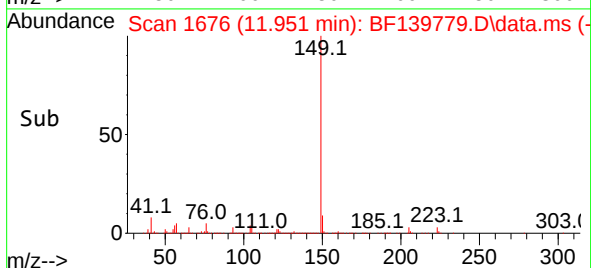
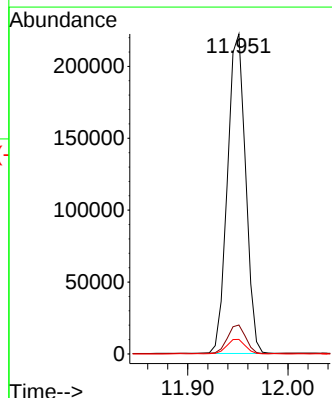
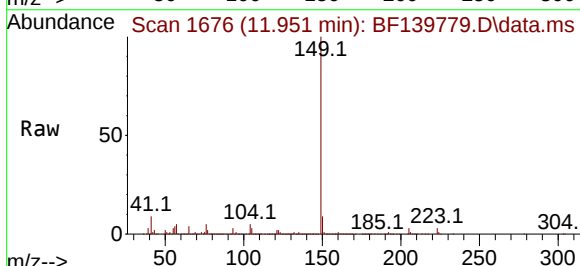
Tgt Ion:149 Resp: 277982

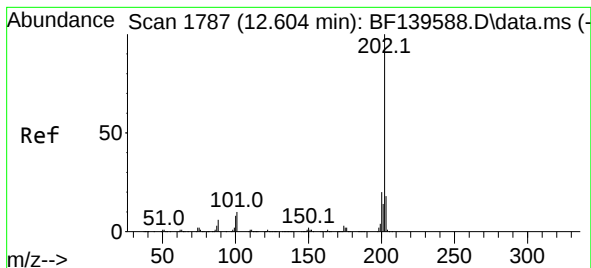
Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

104 4.5 4.1 6.1





#75

Fluoranthene

Concen: 23.038 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

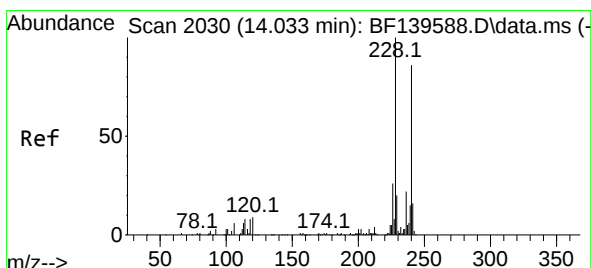
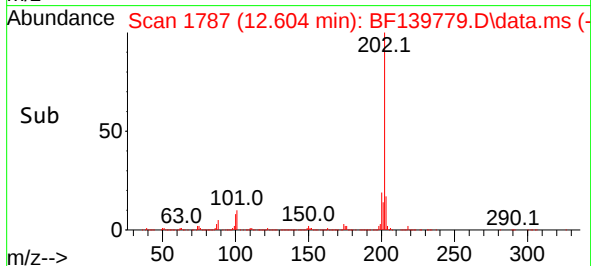
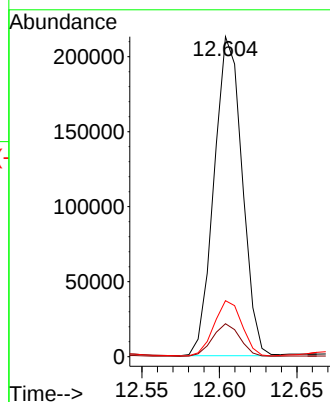
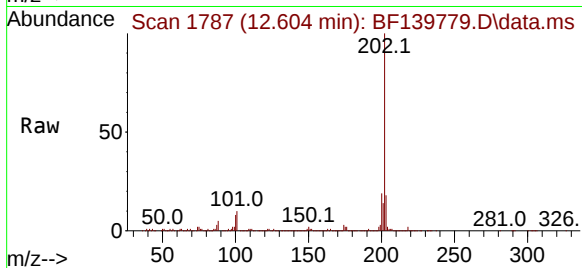
Tgt Ion:202 Resp: 268429

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.2

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

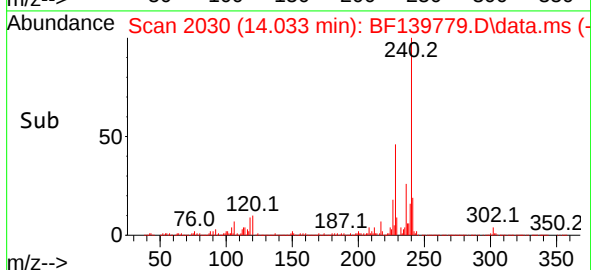
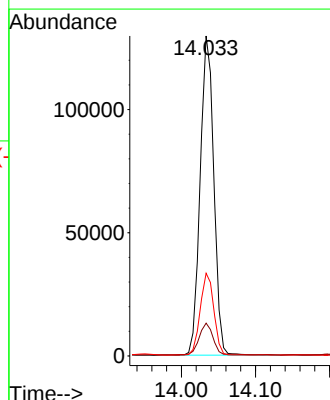
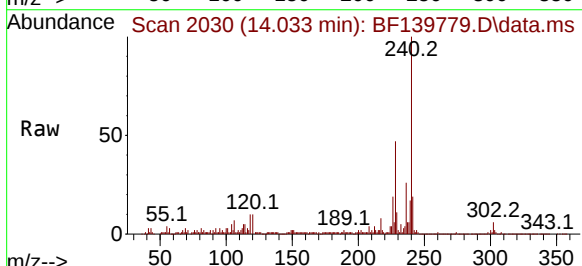
Tgt Ion:240 Resp: 165384

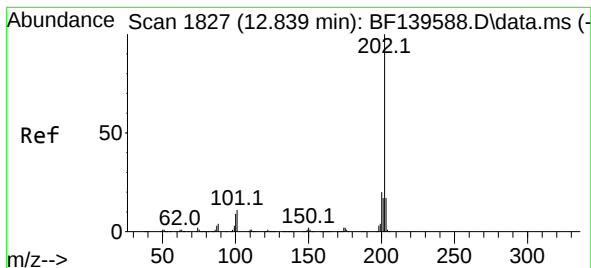
Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

236 25.8 20.3 30.5





#78

Pyrene

Concen: 18.671 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

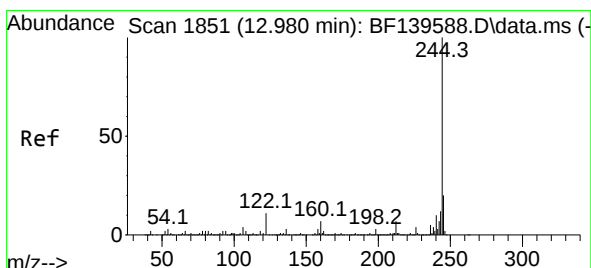
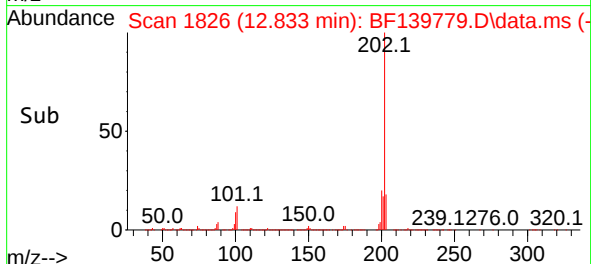
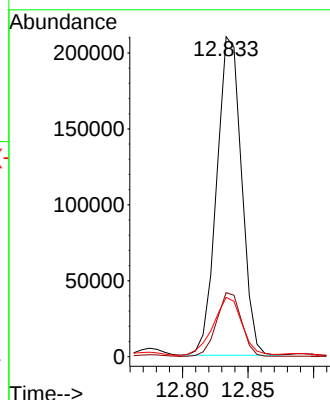
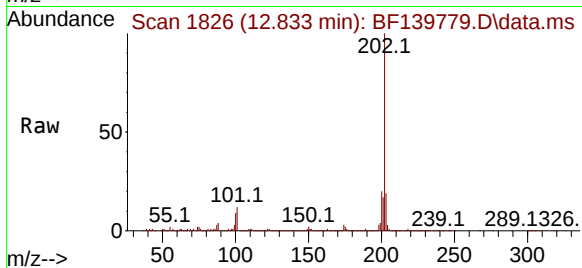
Tgt Ion:202 Resp: 276172

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

203 18.5 13.8 20.8



#79

Terphenyl-d14

Concen: 21.836 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

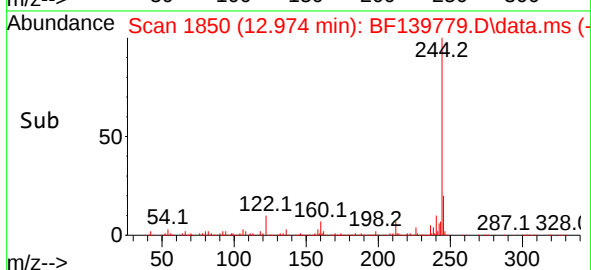
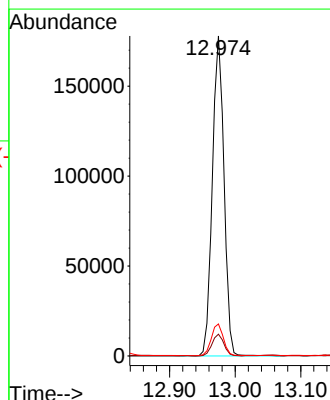
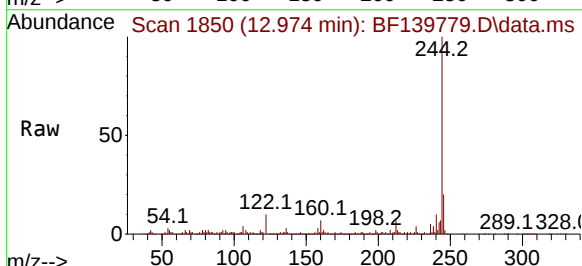
Tgt Ion:244 Resp: 220095

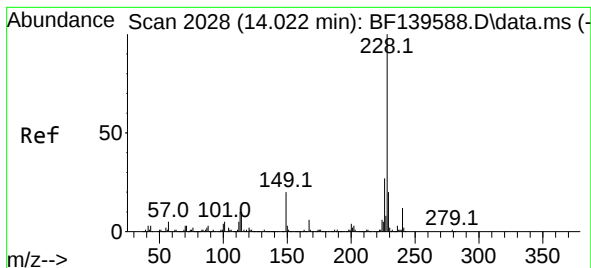
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 10.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 11.045 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

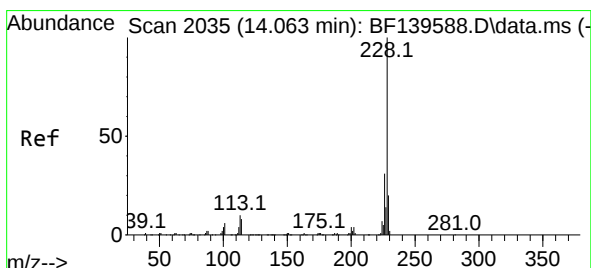
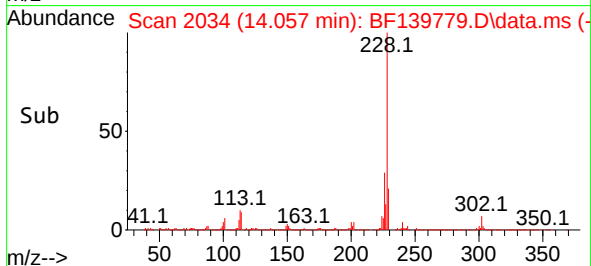
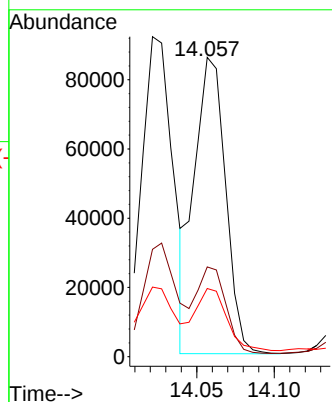
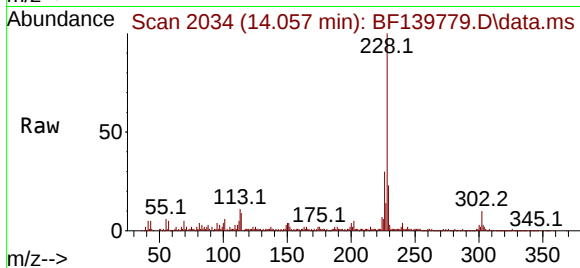
Tgt Ion:228 Resp: 120094

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

229 22.8 15.8 23.8



#83

Chrysene

Concen: 12.081 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

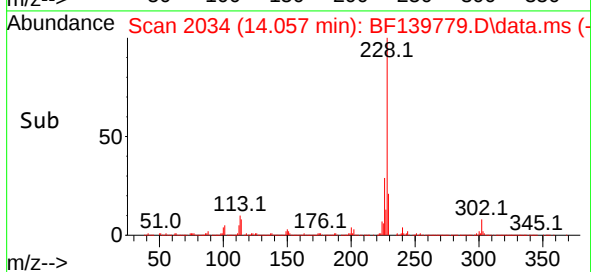
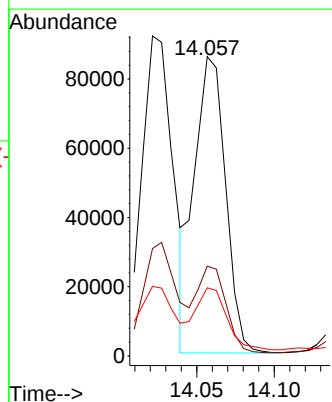
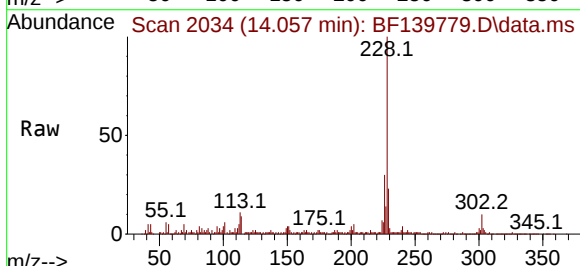
Tgt Ion:228 Resp: 120094

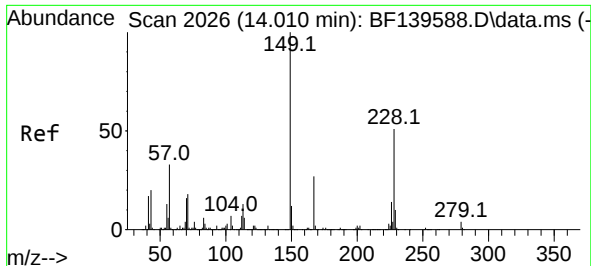
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 22.8 15.7 23.5

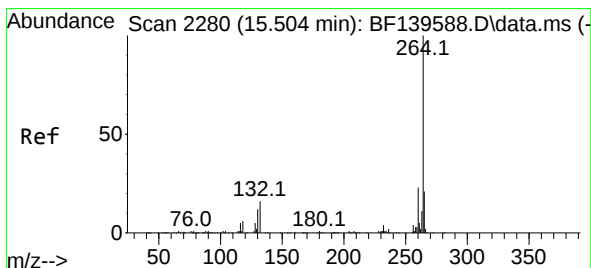
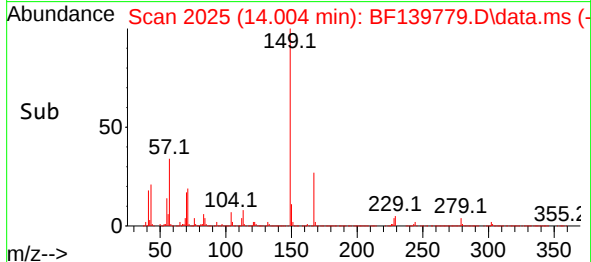
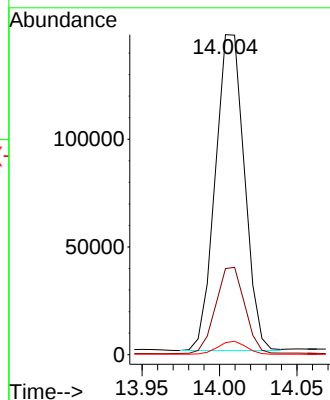
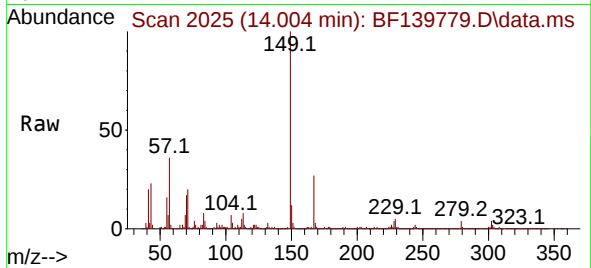




#84
Bis(2-ethylhexyl)phthalate
Concen: 29.069 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

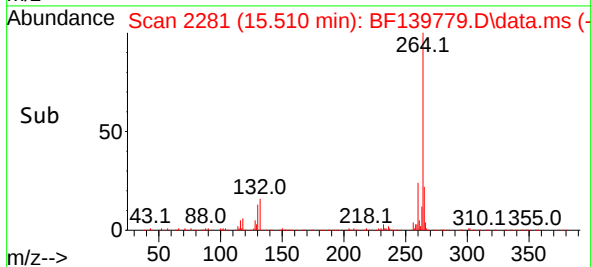
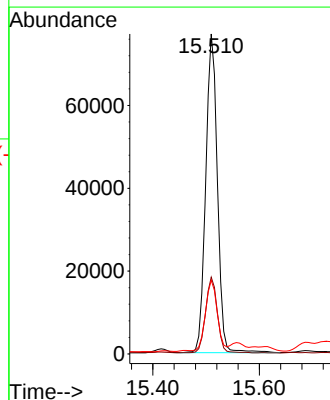
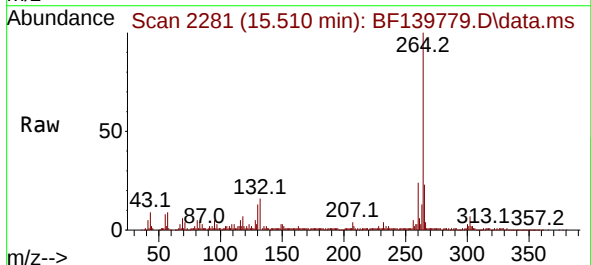
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667

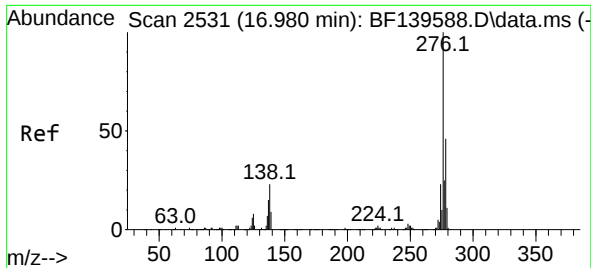
Tgt Ion:149 Resp: 192053
Ion Ratio Lower Upper
149 100
167 26.9 21.7 32.5
279 3.8 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:264 Resp: 117287
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 23.1 16.9 25.3

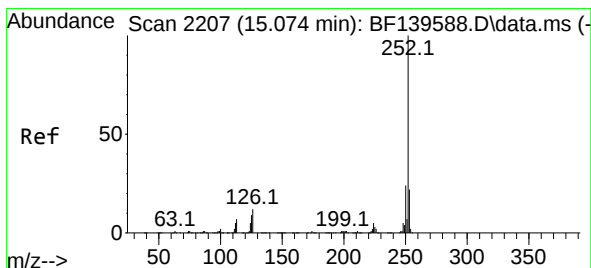
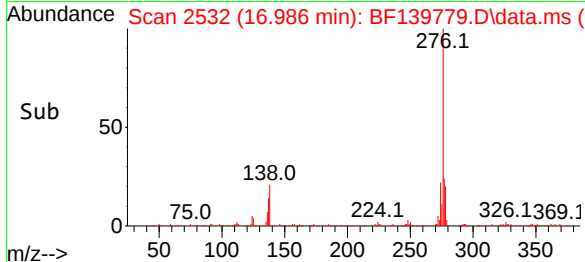
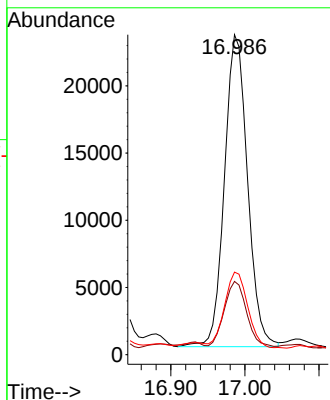
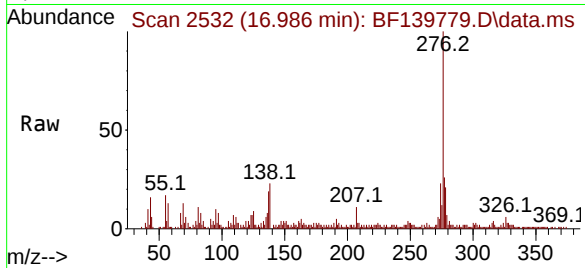




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.272 ng
 RT: 16.986 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF139779.D
 Acq: 11 Oct 2024 17:13

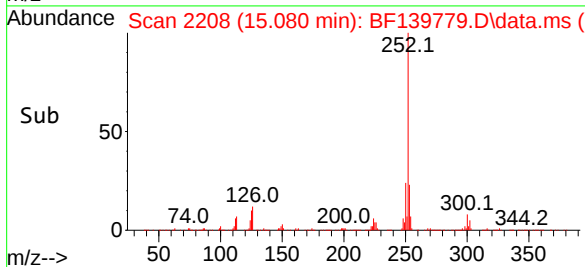
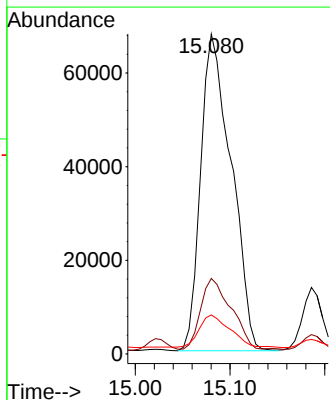
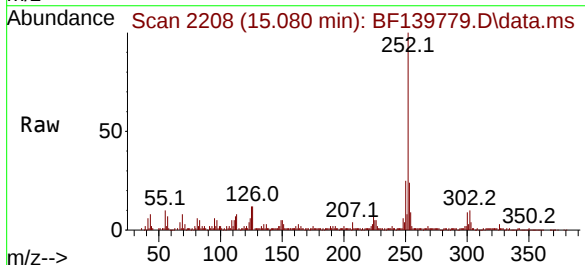
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0.167-0.667

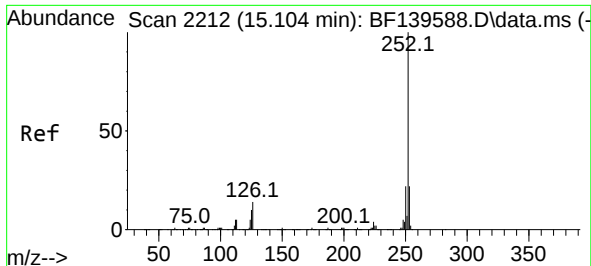
Tgt Ion:	276	Resp:	50199
Ion Ratio	Lower	Upper	
276	100		
138	20.3	19.4	29.0
277	24.4	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 20.017 ng
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.006 min
 Lab File: BF139779.D
 Acq: 11 Oct 2024 17:13

Tgt Ion:	252	Resp:	151799
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	12.2	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 23.597 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

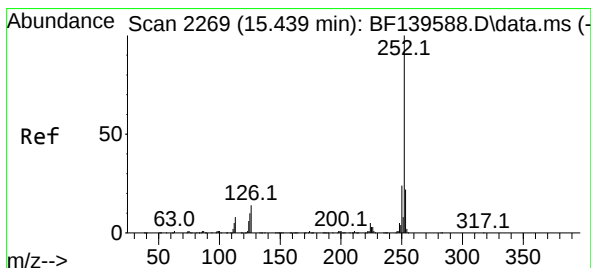
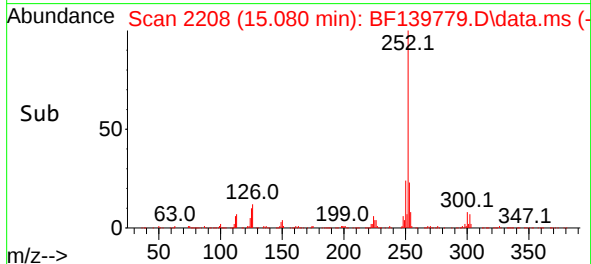
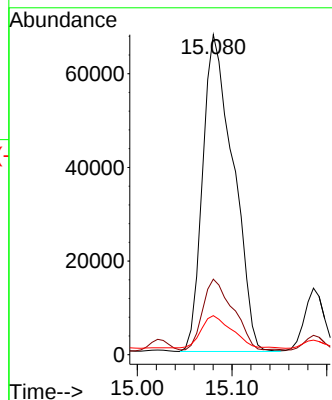
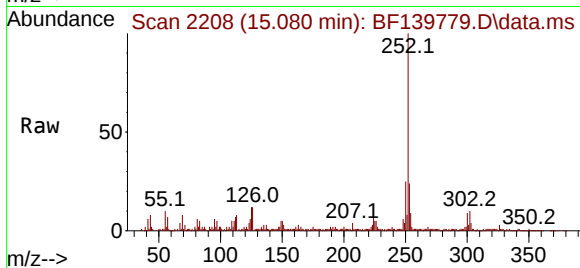
Tgt Ion:252 Resp: 151799

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 12.2 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 13.362 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

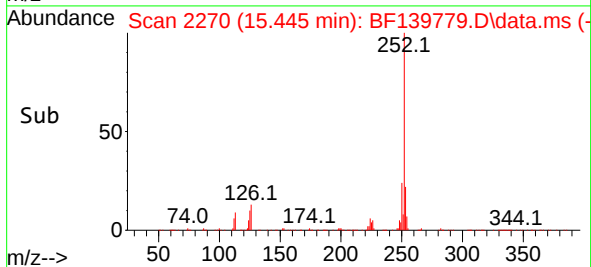
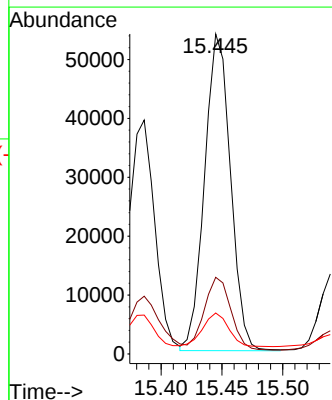
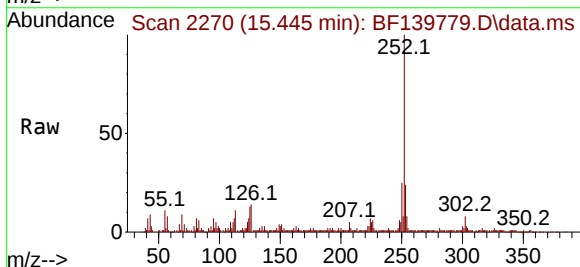
Tgt Ion:252 Resp: 79900

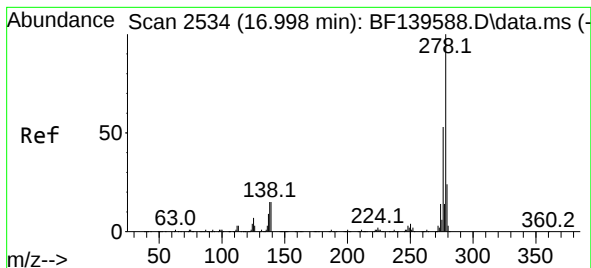
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 12.8 8.3 12.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.211 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667

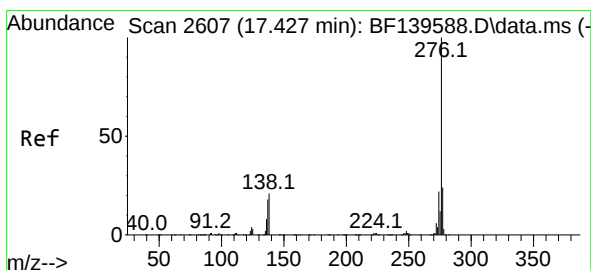
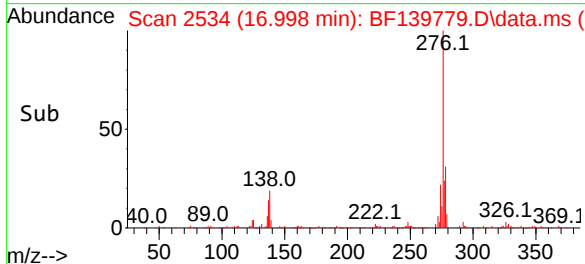
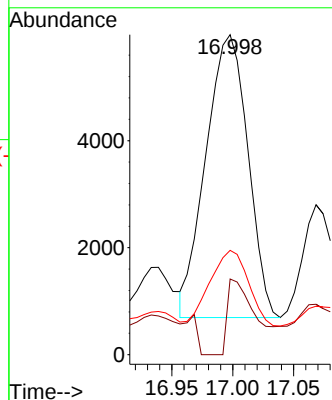
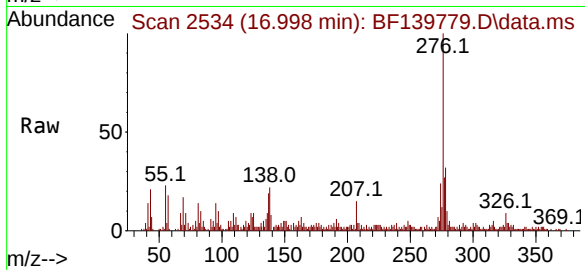
Tgt Ion:278 Resp: 12660

Ion Ratio Lower Upper

278 100

139 23.6 12.2 18.4#

279 32.6 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 9.220 ng

RT: 17.439 min Scan# 2609

Delta R.T. 0.012 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Tgt Ion:276 Resp: 52944

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.6

138 22.3 17.0 25.6

