

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139803.D
 Acq On : 14 Oct 2024 22:17
 Operator : RC/JU
 Sample : P4364-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-4.167-4.667

Quant Time: Oct 15 01:14:34 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

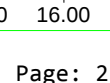
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	94240	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	342476	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	161605	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	245555	20.000	ng	0.00
76) Chrysene-d12	14.027	240	177763	20.000	ng	0.00
86) Perylene-d12	15.498	264	135400	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	444640	81.777	ng	0.00
7) Phenol-d6	6.498	99	571631	78.179	ng	0.00
23) Nitrobenzene-d5	7.422	82	356466	52.698	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	97665	62.604	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	564726	53.647	ng	-0.01
79) Terphenyl-d14	12.969	244	446742	41.236	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	48417	10.300	ng	# 75
25) Isophorone	7.422	82	352632	29.351	ng	# 66
49) Acenaphthylene	9.757	152	35211	2.570	ng	99
51) 2,6-Dinitrotoluene	9.898	165	20888	8.741	ng	# 19
63) Azobenzene	10.610	77	34221	3.114	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	6818	2.708	ng	# 1
71) Phenanthrene	11.410	178	155838	13.460	ng	99
72) Anthracene	11.457	178	39946	3.487	ng	99
75) Fluoranthene	12.598	202	367228	29.015	ng	99
77) Benzidine	12.969	184	7370	2.350	ng	96
78) Pyrene	12.827	202	372102	23.404	ng	99
81) Benzo(a)anthracene	14.051	228	180351	15.431	ng	94
83) Chrysene	14.051	228	180351	16.879	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	53127	6.666	ng	97
88) Benzo(b)fluoranthene	15.074	252	228584	26.110	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	228584	30.780	ng	# 98
90) Benzo(a)pyrene	15.439	252	104822	15.185	ng	96
91) Dibenzo(a,h)anthracene	16.974	278	13783	2.085	ng	# 83
92) Benzo(g,h,i)perylene	17.421	276	54771	8.262	ng	100

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

SB-03-4.167-4.667

Response via : Initial Calibration

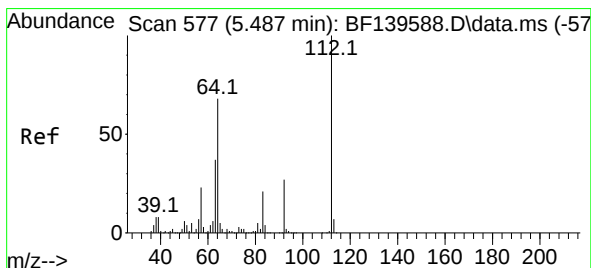
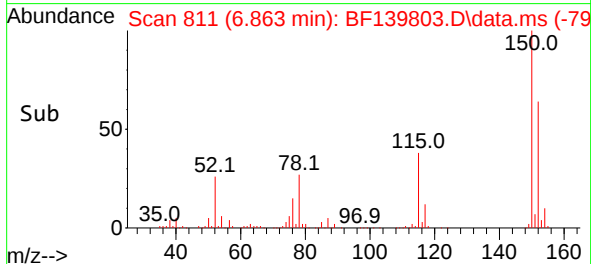
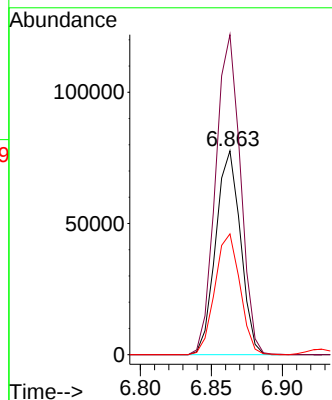
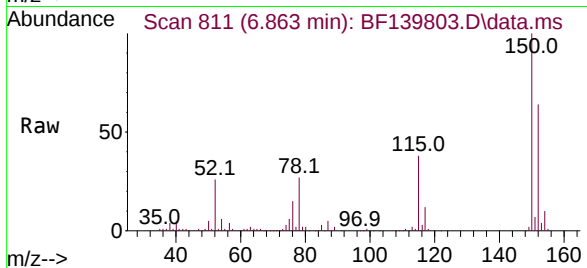




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139803.D
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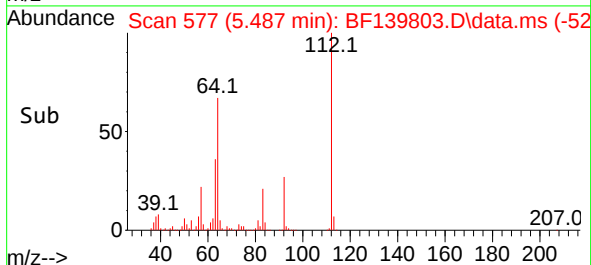
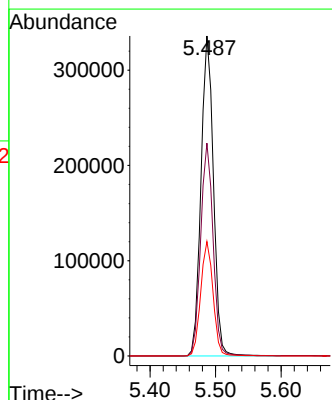
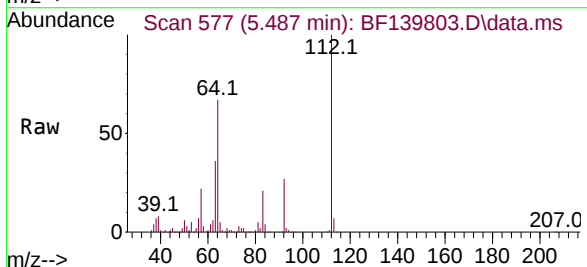
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667

Tgt Ion:152 Resp: 94240
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 59.3 49.0 73.4



#5
2-Fluorophenol
Concen: 81.777 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:112 Resp: 444640
Ion Ratio Lower Upper
112 100
64 66.5 54.2 81.4
63 35.7 29.4 44.2





#7

Phenol-d6

Concen: 78.179 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

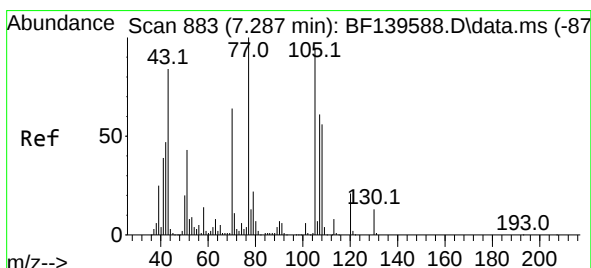
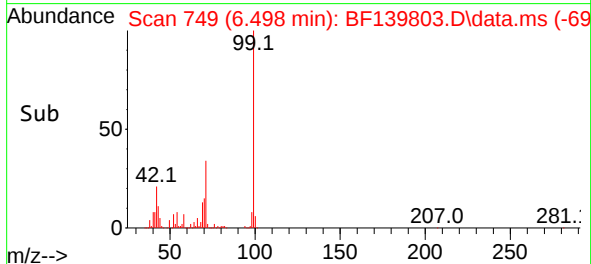
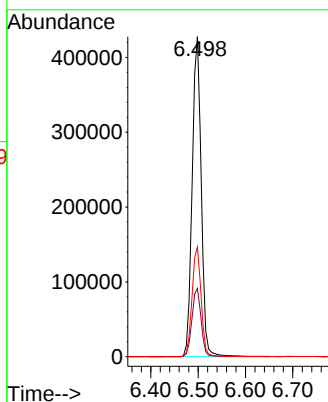
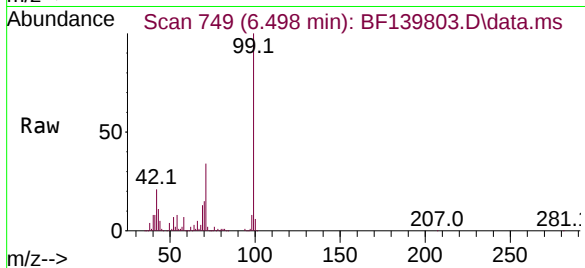
Tgt Ion: 99 Resp: 571631

Ion Ratio Lower Upper

99 100

42 21.4 19.1 28.7

71 34.3 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 10.300 ng

RT: 7.422 min Scan# 906

Delta R.T. 0.135 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Tgt Ion: 70 Resp: 48417

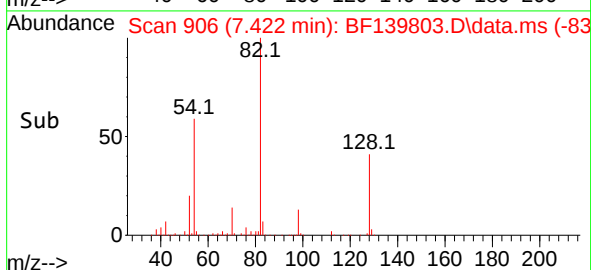
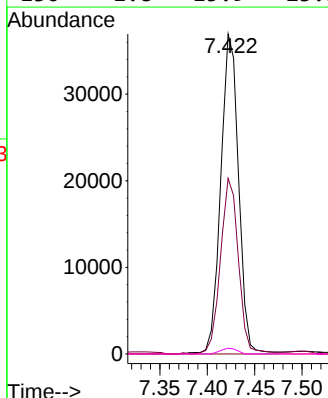
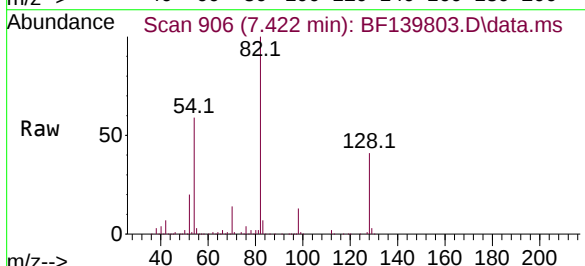
Ion Ratio Lower Upper

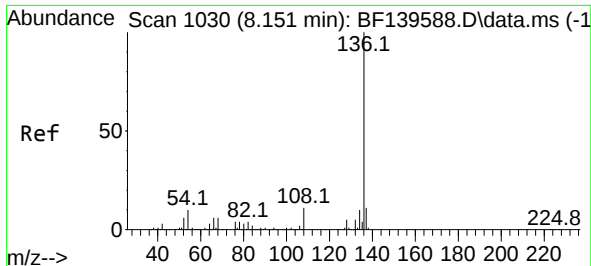
70 100

42 54.8 58.0 87.0#

101 0.0 7.8 11.8#

130 1.8 15.9 23.9#

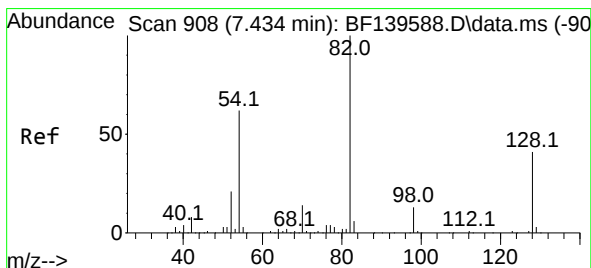
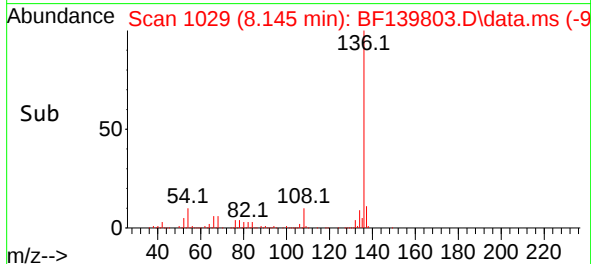
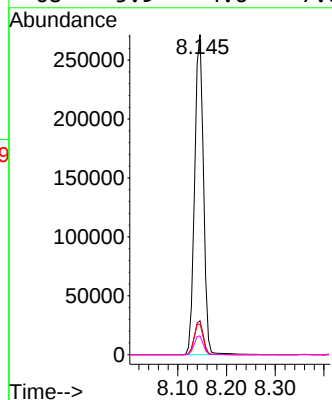
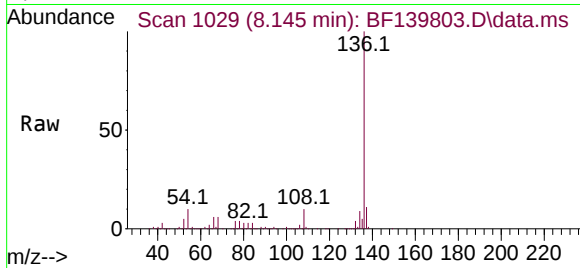




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

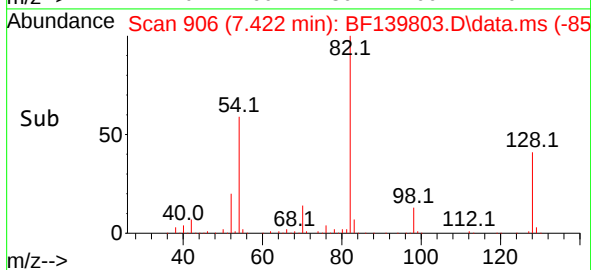
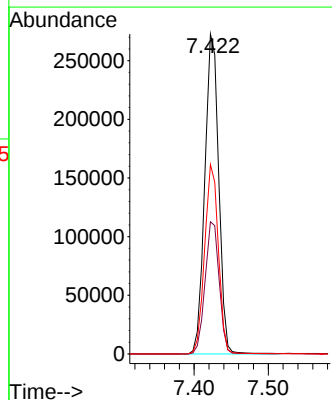
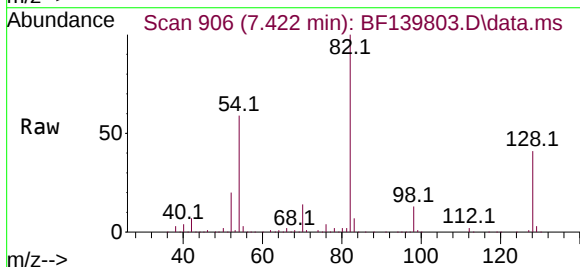
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667

Tgt Ion:	136	Resp:	342476
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.6	8.3	12.5
68	5.9	4.6	7.0



#23
Nitrobenzene-d5
Concen: 52.698 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

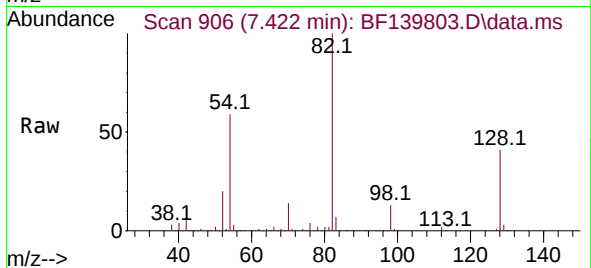
Tgt Ion:	82	Resp:	356466
Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.4	48.6
54	59.2	49.1	73.7



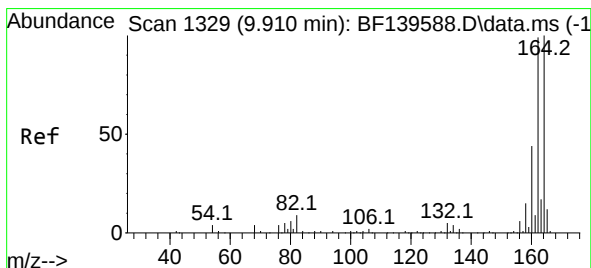
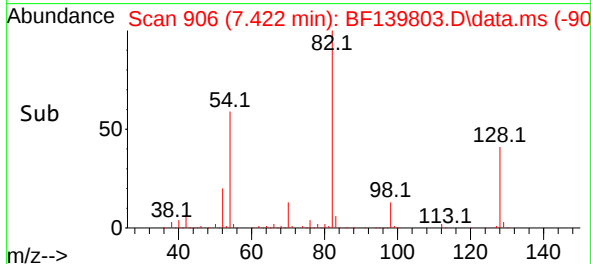
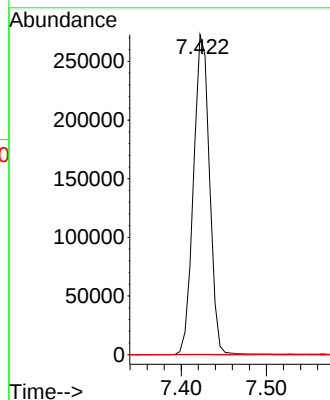


#25
Isophorone
Concen: 29.351 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667

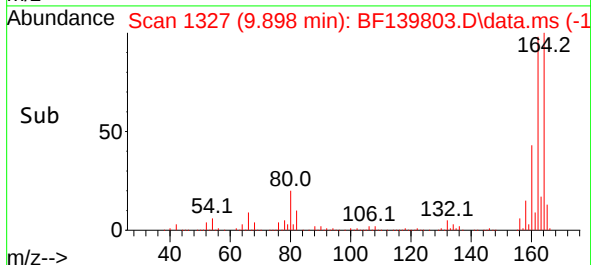
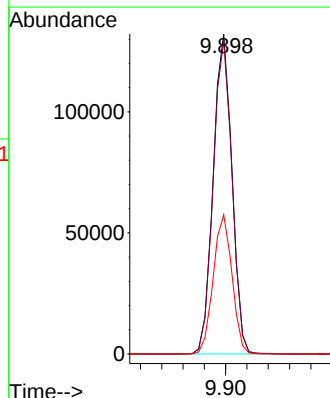
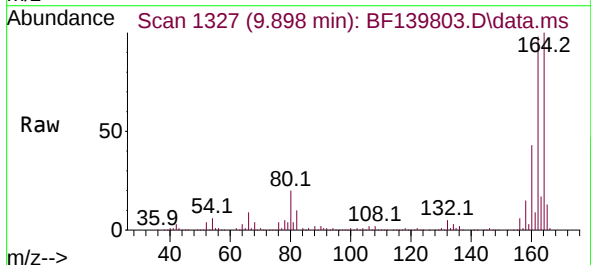


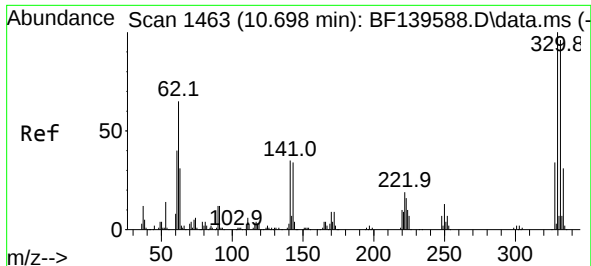
Tgt Ion: 82 Resp: 352632
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

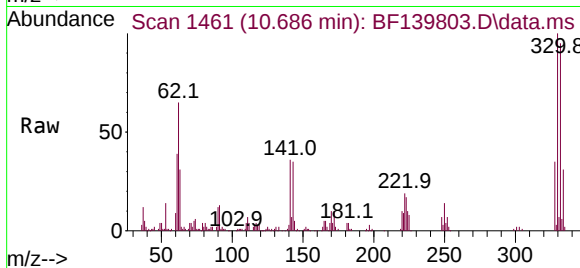
Tgt Ion: 164 Resp: 161605
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.5 35.1 52.7



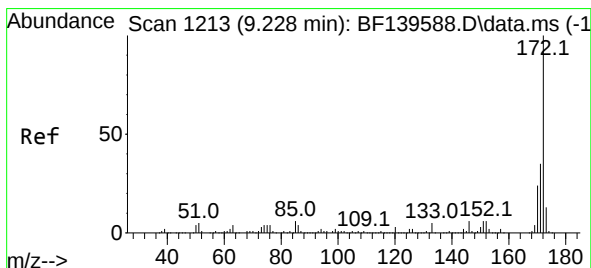
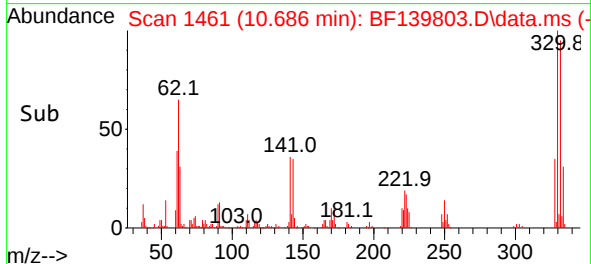
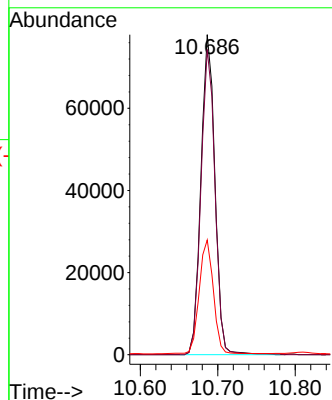


#42
2,4,6-Tribromophenol
Concen: 62.604 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Instrument :
BNA_F
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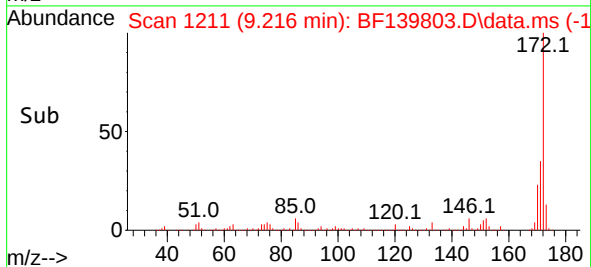
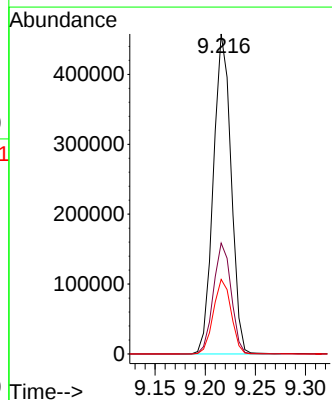
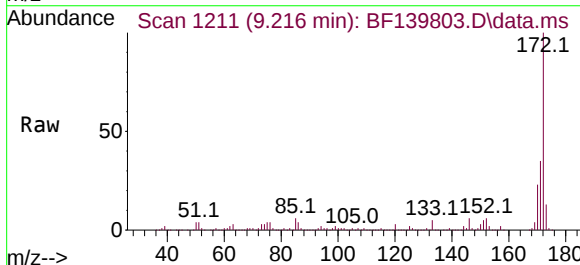


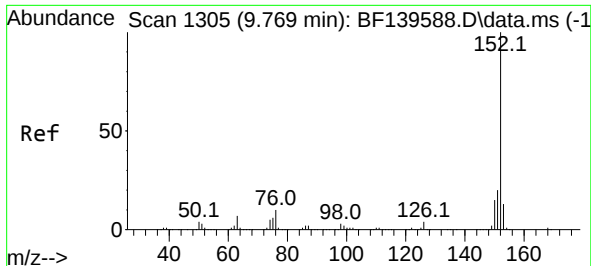
Tgt Ion: 330 Resp: 97665
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 36.3 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 53.647 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

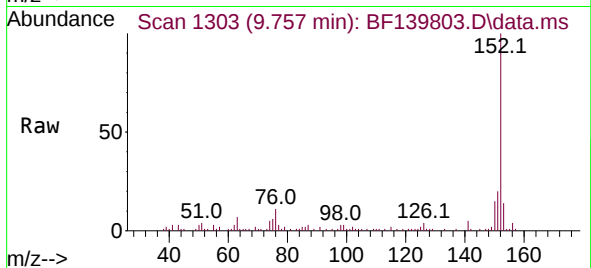
Tgt Ion: 172 Resp: 564726
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.3 18.8 28.2



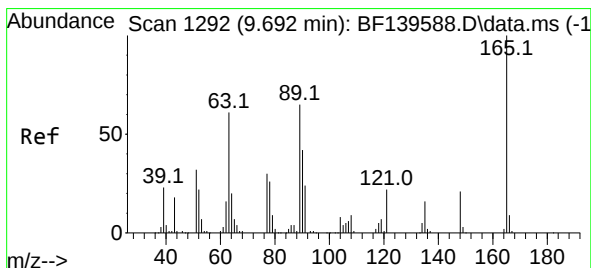
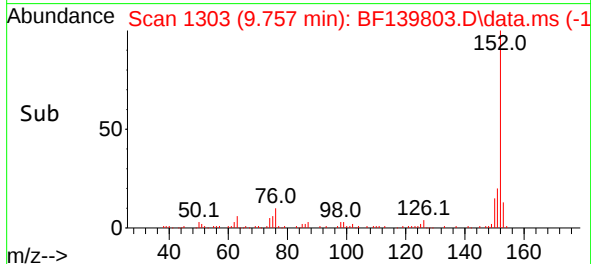
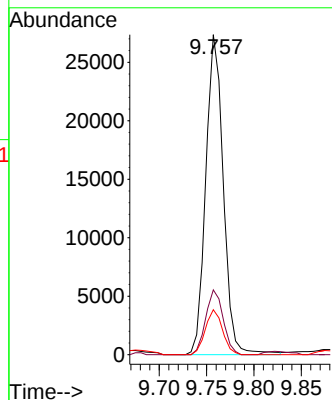


#49
Acenaphthylene
Concen: 2.570 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Instrument :
BNA_F
ClientSampleId :
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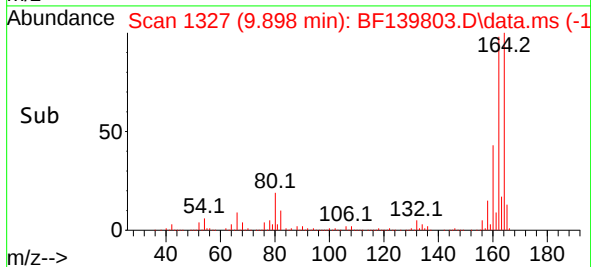
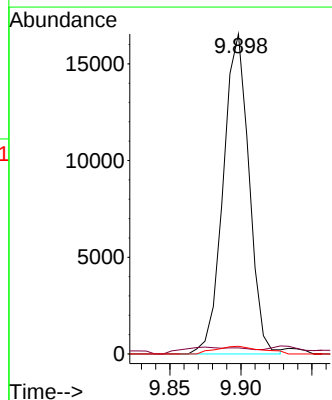
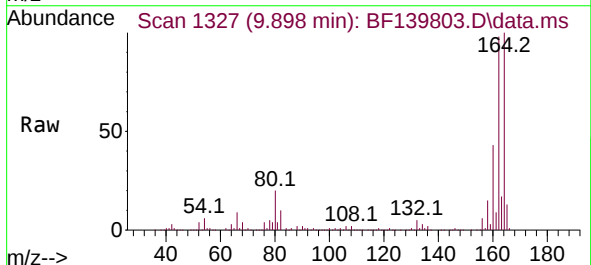


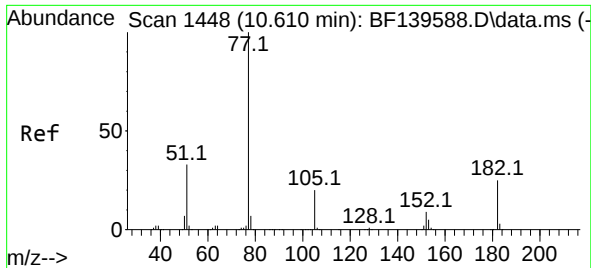
Tgt Ion:152 Resp: 35211
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 14.1 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 8.741 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:165 Resp: 20888
Ion Ratio Lower Upper
165 100
63 1.9 56.7 85.1#
89 2.4 51.6 77.4#

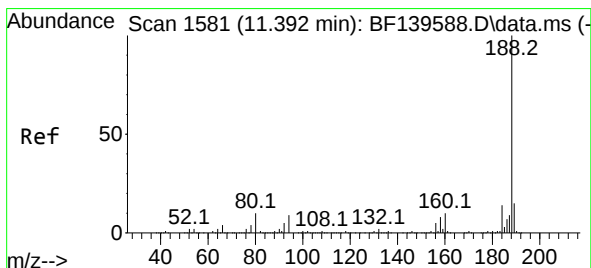
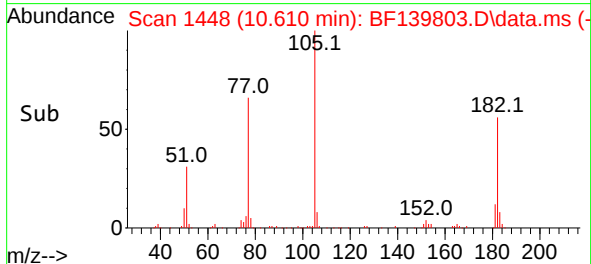
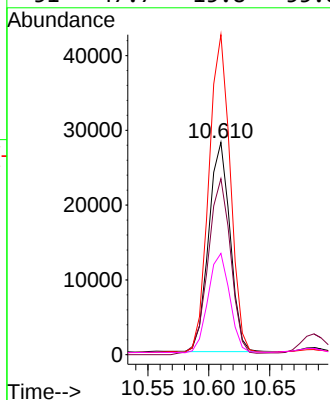
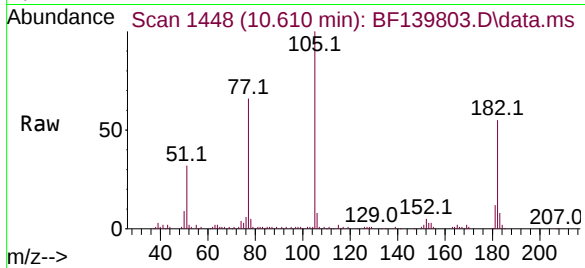




#63
Azobenzene
Concen: 3.114 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

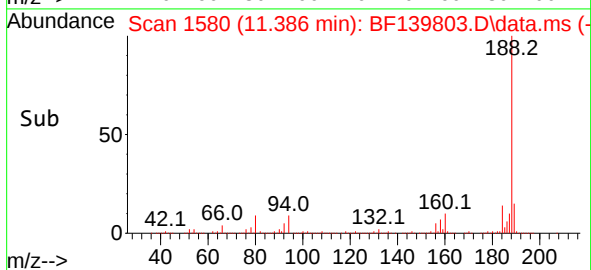
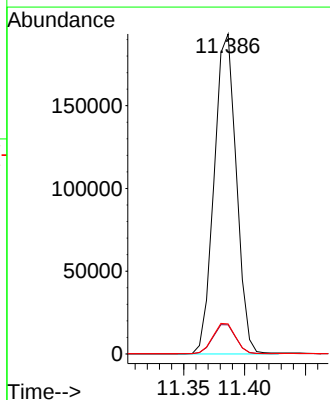
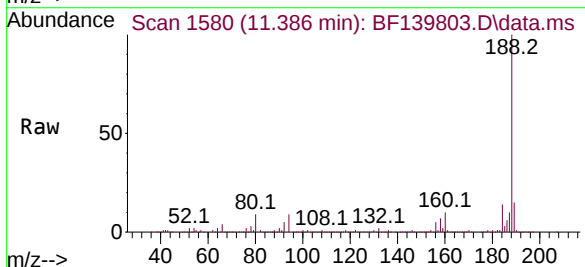
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667

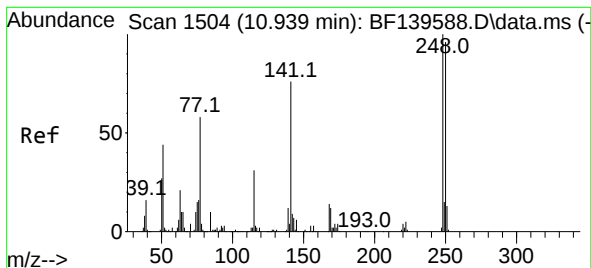
Tgt Ion: 77	Resp: 34221
Ion Ratio	Lower Upper
77 100	
182 82.9	4.2 44.2#
105 150.7	0.0 39.6#
51 47.7	15.8 55.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

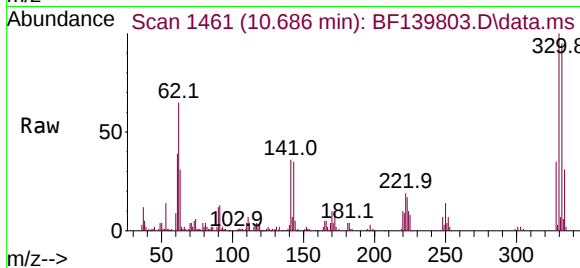
Tgt Ion:188	Resp: 245555
Ion Ratio	Lower Upper
188 100	
94 9.1	7.4 11.2
80 9.4	8.2 12.2



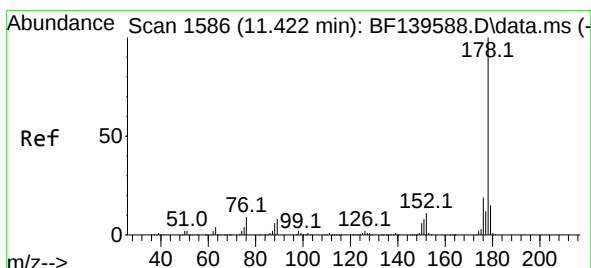
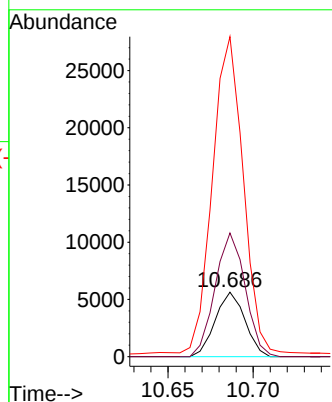
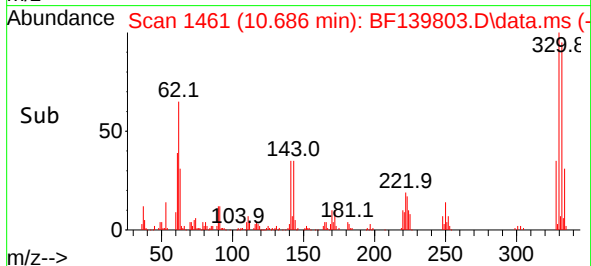


#67
4-Bromophenyl-phenylether
Concen: 2.708 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.253 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

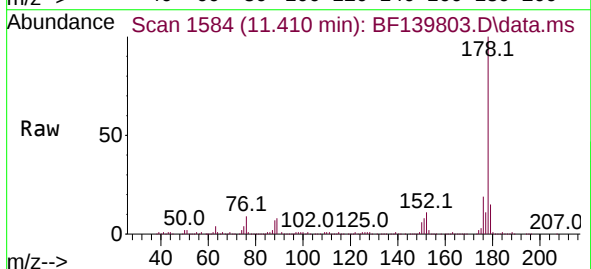
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



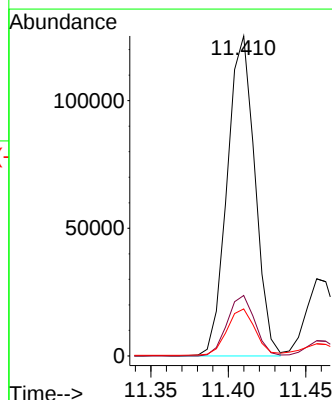
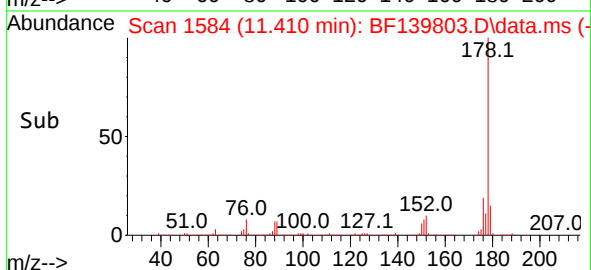
Tgt Ion:248 Resp: 6818
Ion Ratio Lower Upper
248 100
250 192.0 77.1 115.7#
141 496.6 60.4 90.6#

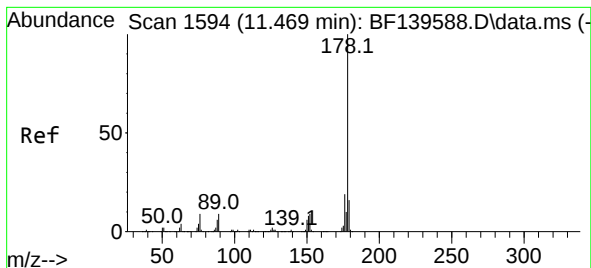


#71
Phenanthrene
Concen: 13.460 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17



Tgt Ion:178 Resp: 155838
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.7 12.3 18.5





#72

Anthracene

Concen: 3.487 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

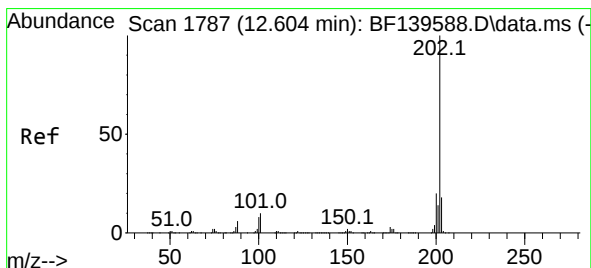
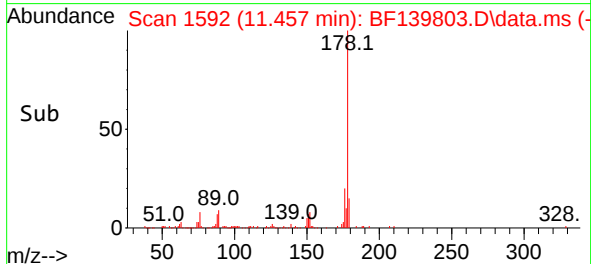
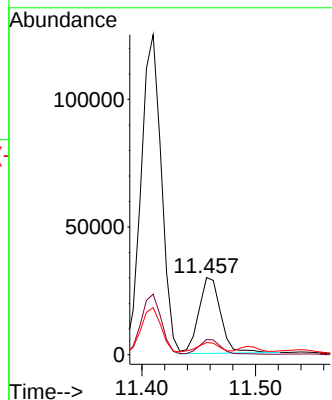
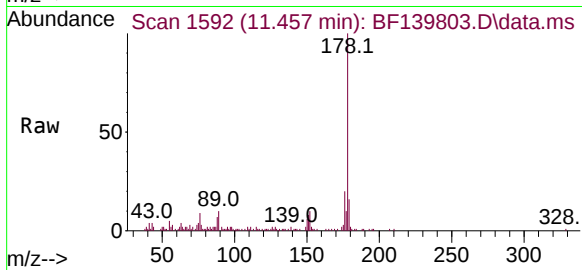
Tgt Ion:178 Resp: 39946

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

179 15.8 12.5 18.7



#75

Fluoranthene

Concen: 29.015 ng

RT: 12.598 min Scan# 1786

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

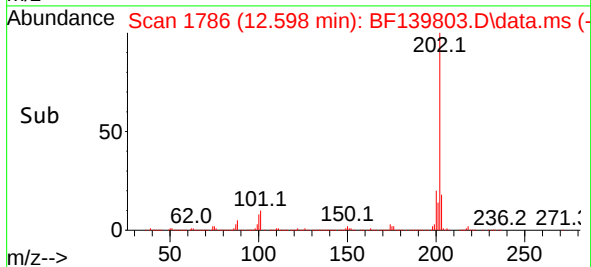
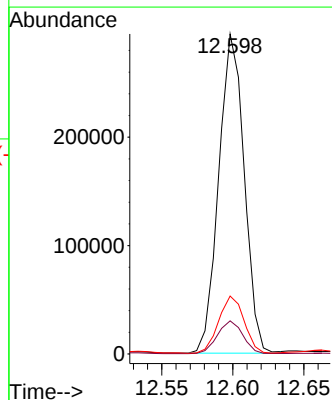
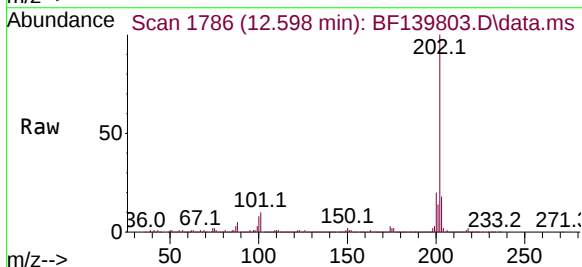
Tgt Ion:202 Resp: 367228

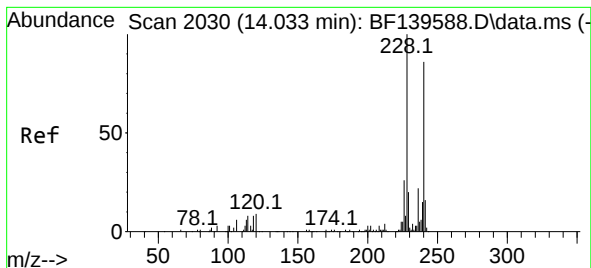
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.2

203 18.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

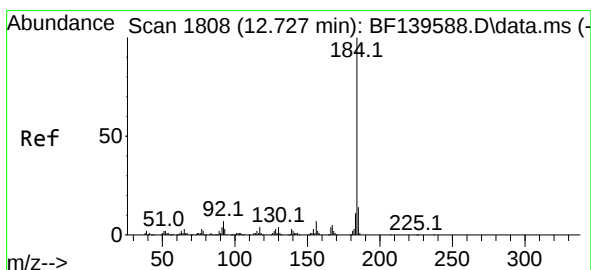
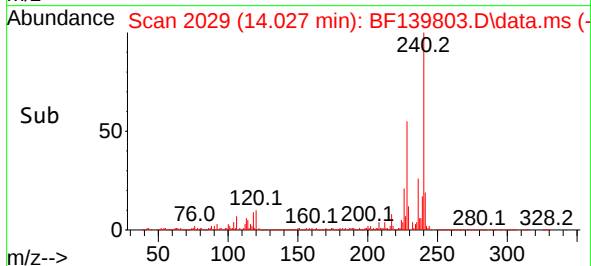
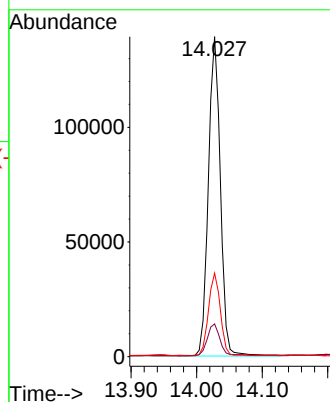
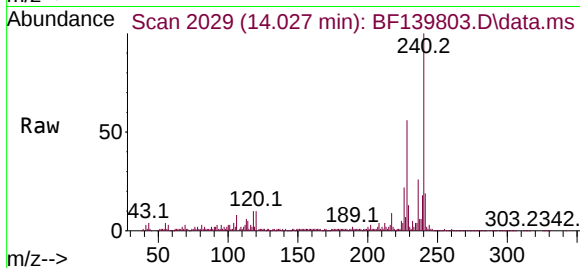
Tgt Ion:240 Resp: 177763

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

236 26.1 20.3 30.5



#77

Benzidine

Concen: 2.350 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

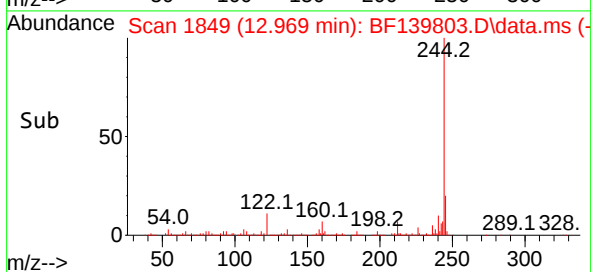
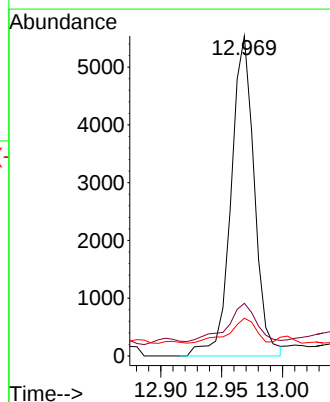
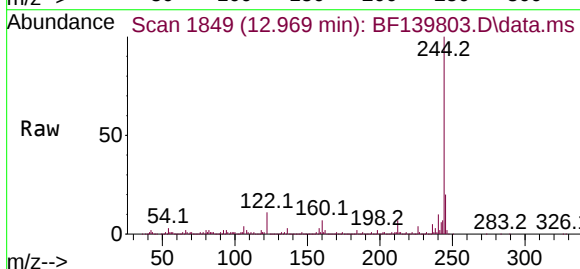
Tgt Ion:184 Resp: 7370

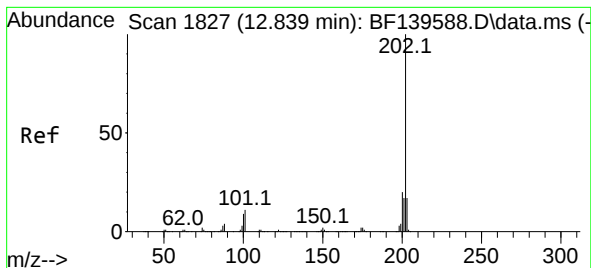
Ion Ratio Lower Upper

184 100

185 16.4 11.4 17.0

183 11.8 8.8 13.2





#78

Pyrene

Concen: 23.404 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

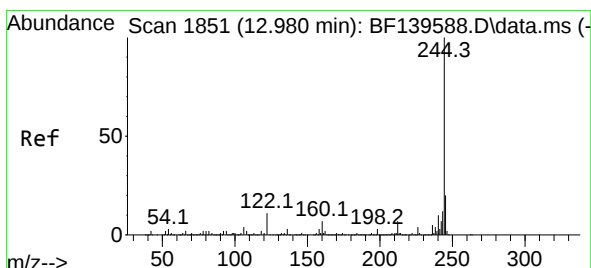
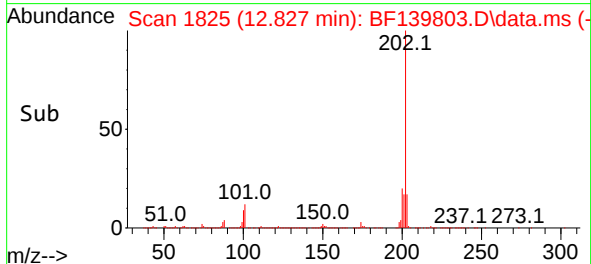
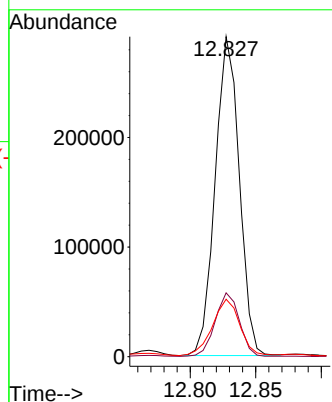
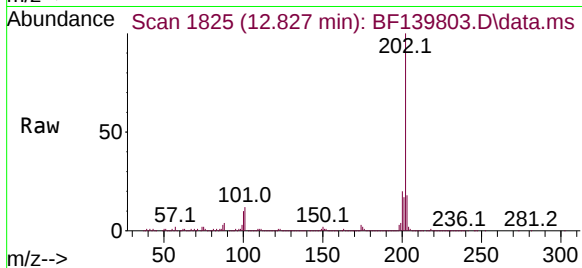
Tgt Ion:202 Resp: 372102

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.6

203 18.0 13.8 20.8



#79

Terphenyl-d14

Concen: 41.236 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

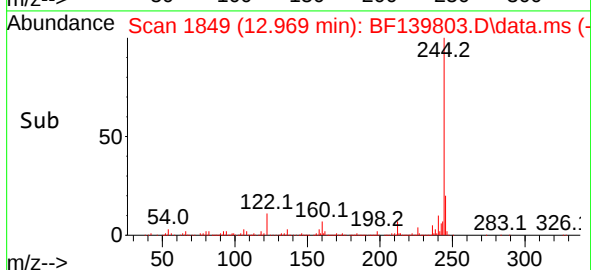
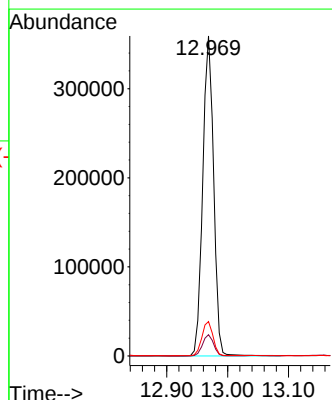
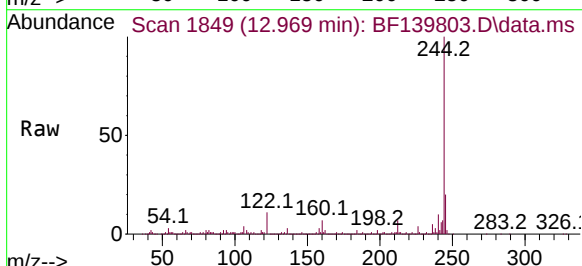
Tgt Ion:244 Resp: 446742

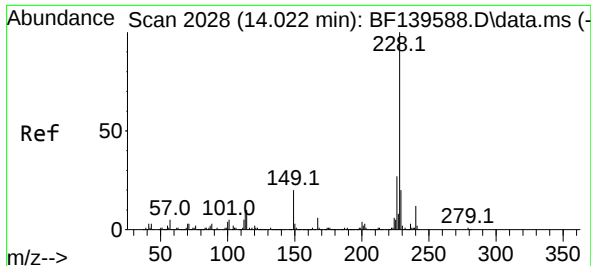
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.7 8.6 12.8

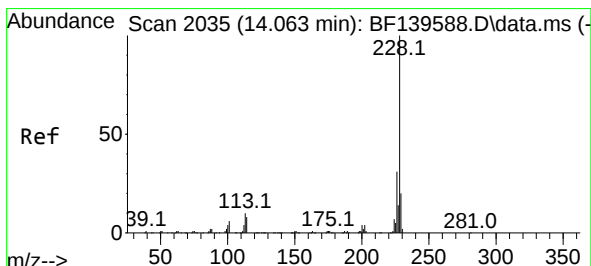
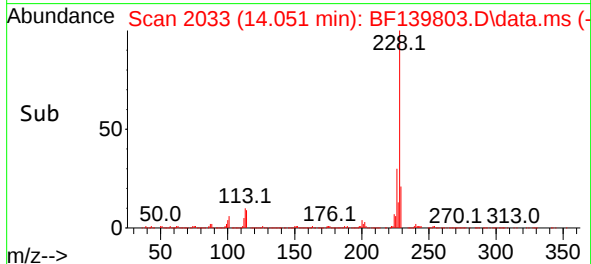
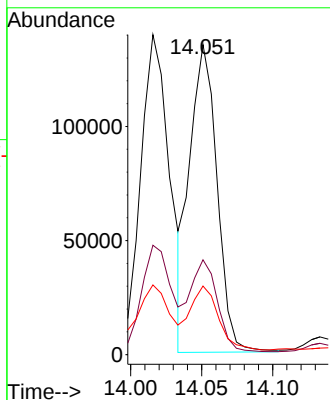
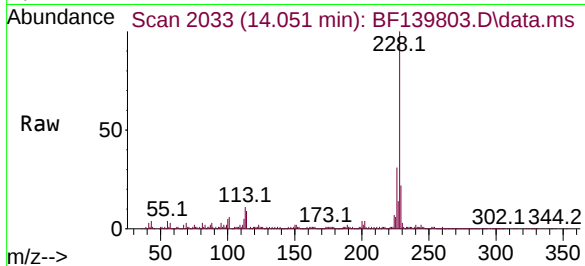




#81
Benzo(a)anthracene
Concen: 15.431 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.029 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

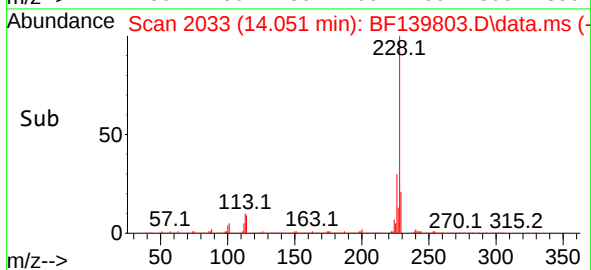
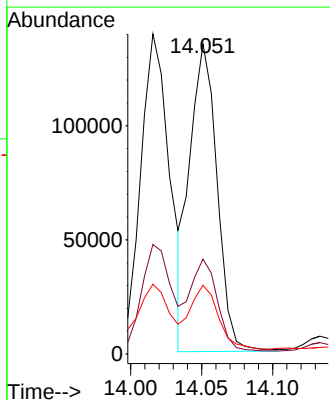
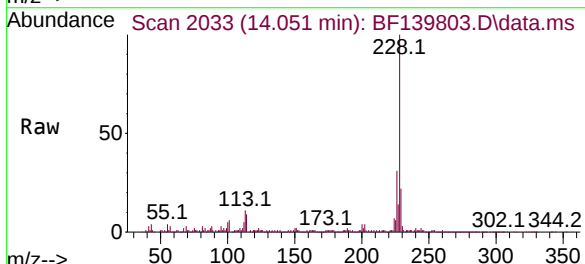
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667

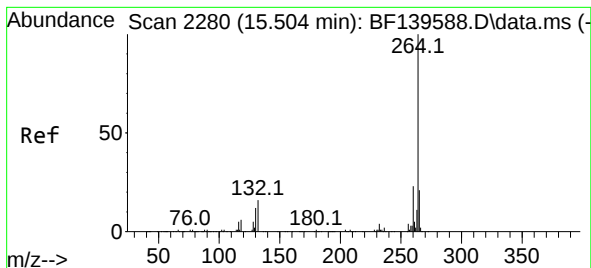
Tgt Ion:228 Resp: 180351
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.8
229 22.2 15.8 23.8



#83
Chrysene
Concen: 16.879 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:228 Resp: 180351
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

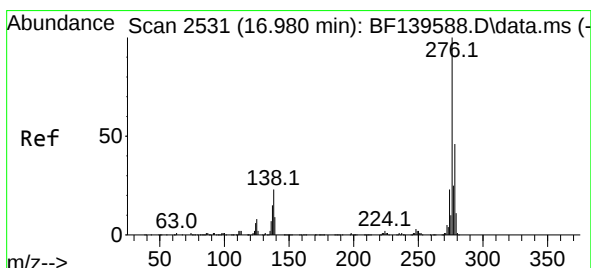
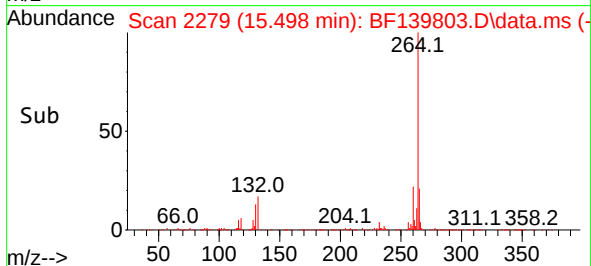
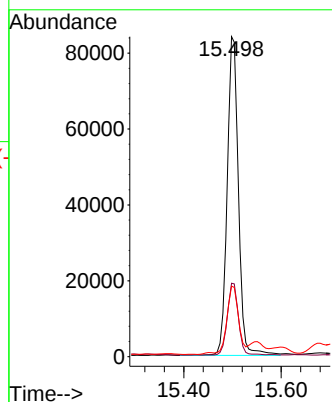
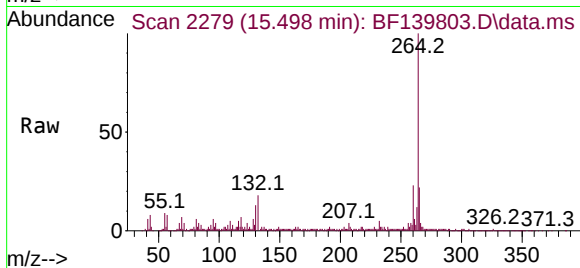
Tgt Ion:264 Resp: 135400

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.1 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.666 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

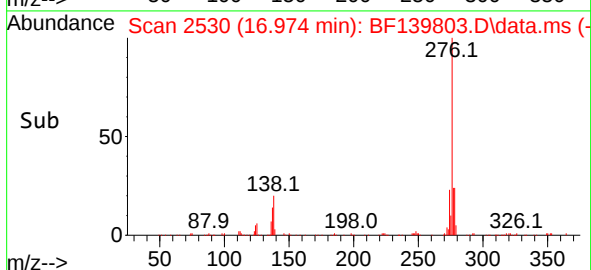
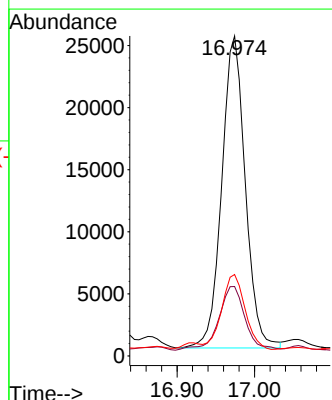
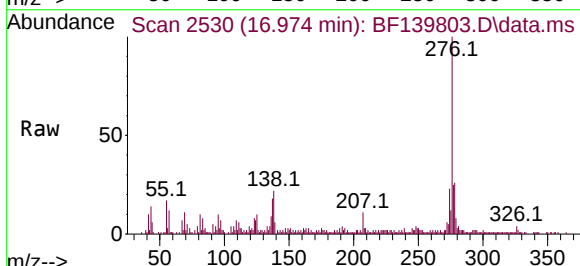
Tgt Ion:276 Resp: 53127

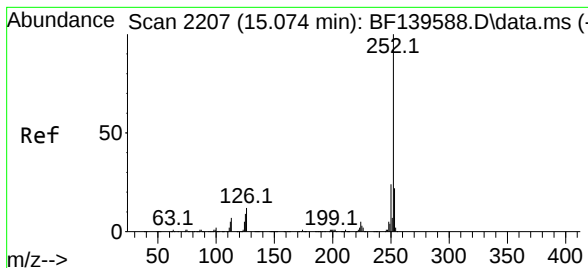
Ion Ratio Lower Upper

276 100

138 22.7 19.4 29.0

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 26.110 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

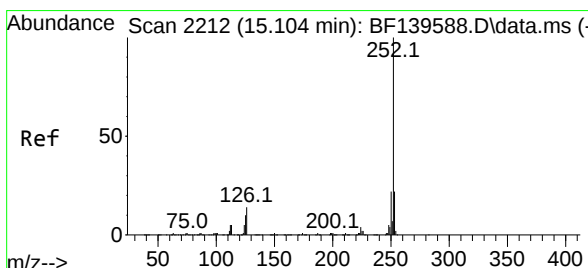
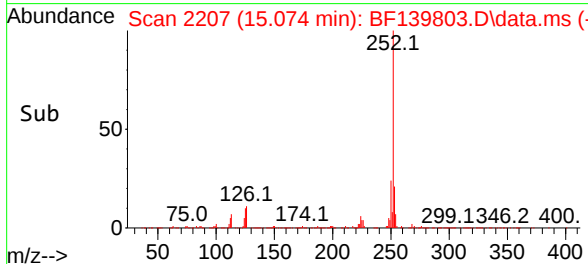
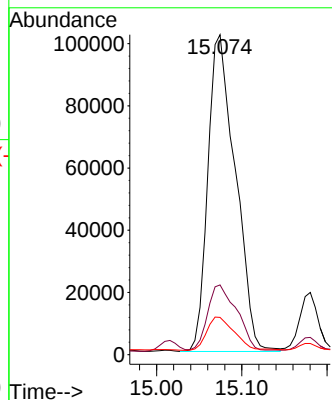
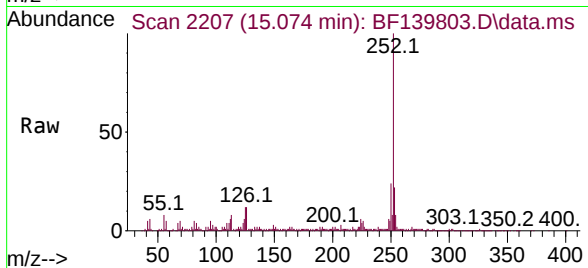
Tgt Ion:252 Resp: 228584

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 11.7 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 30.780 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

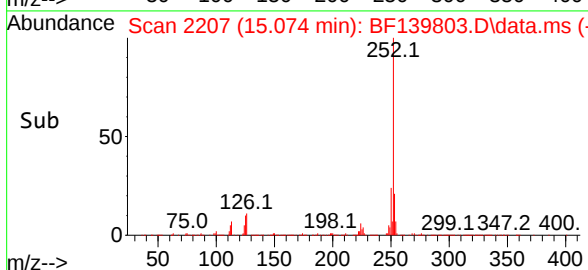
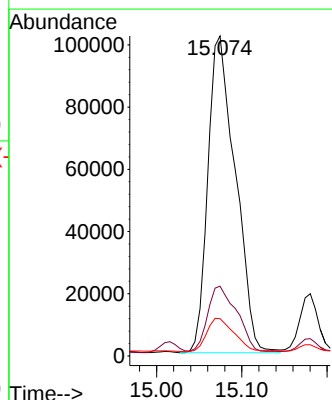
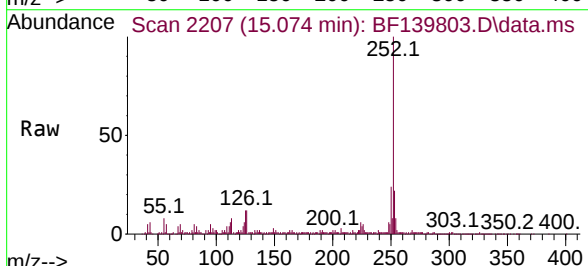
Tgt Ion:252 Resp: 228584

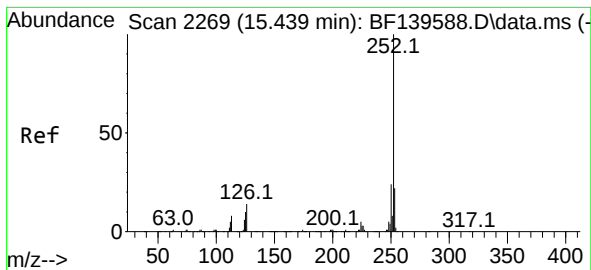
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 11.7 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 15.185 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

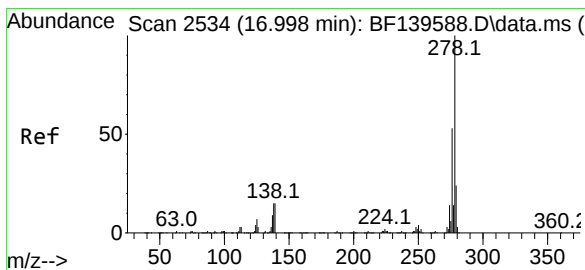
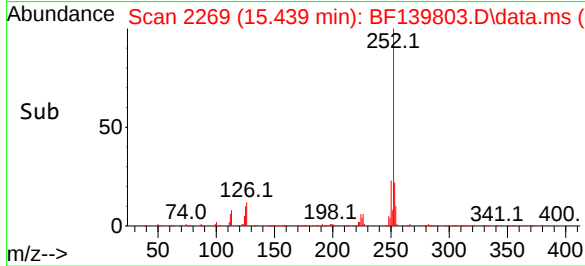
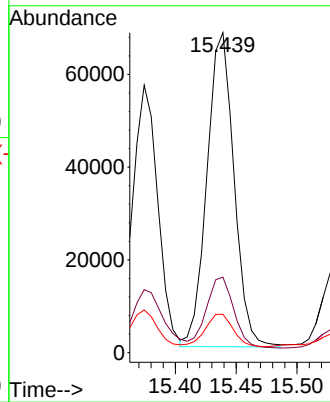
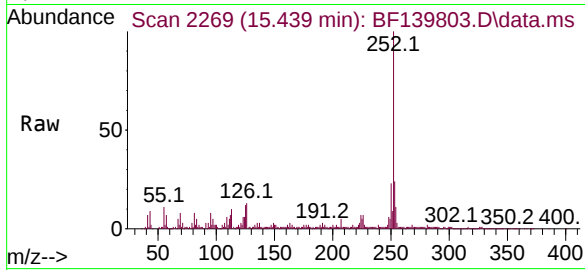
Tgt Ion:252 Resp: 104822

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 12.0 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 2.085 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.024 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

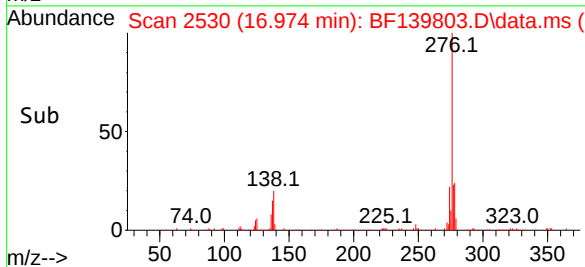
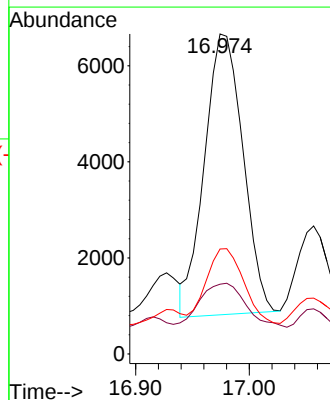
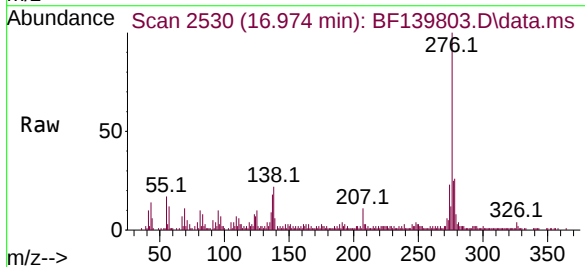
Tgt Ion:278 Resp: 13783

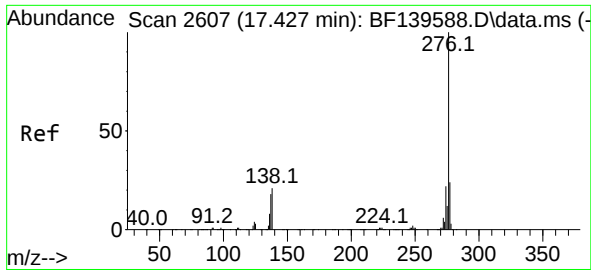
Ion Ratio Lower Upper

278 100

139 21.8 12.2 18.4#

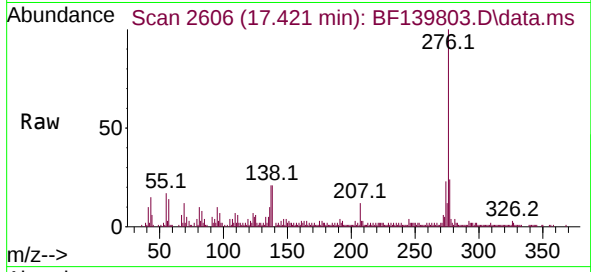
279 32.8 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.262 ng
 RT: 17.421 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139803.D
 Acq: 14 Oct 2024 22:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-4.167-4.667



Tgt Ion:	276	Resp:	54771
Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	21.2	17.0	25.6

