

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139767.D
 Acq On : 11 Oct 2024 11:27
 Operator : RC/JU
 Sample : P4364-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-4.25-4.83

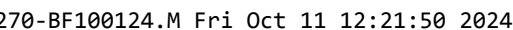
Quant Time: Oct 11 12:17:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	86873	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	320379	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	162543	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	228003	20.000	ng	0.00
76) Chrysene-d12	14.033	240	154064	20.000	ng	0.00
86) Perylene-d12	15.510	264	184386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	606736	121.053	ng	0.00
7) Phenol-d6	6.498	99	783809	116.287	ng	0.00
23) Nitrobenzene-d5	7.428	82	512041	80.919	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	144056	91.809	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	860917	81.312	ng	0.00
79) Terphenyl-d14	12.975	244	538586	57.361	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	70456	16.259	ng	# 75
25) Isophorone	7.428	82	507502	45.156	ng	# 67
31) Naphthalene	8.169	128	106686	6.513	ng	99
33) 4-Chloroaniline	8.169	127	14014	2.527	ng	# 37
35) Caprolactam	8.563	113	3945	2.674	ng	# 68
37) 2-Methylnaphthalene	8.857	142	69594	6.523	ng	98
38) 1-Methylnaphthalene	8.957	142	62669	6.010	ng	96
52) Acenaphthene	9.934	154	30331	3.206	ng	96
55) Dibenzofuran	10.104	168	57374	4.331	ng	# 95
58) Fluorene	10.445	166	40657	3.853	ng	# 97
63) Azobenzene	10.616	77	58417	5.285	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	9862	4.219	ng	# 1
71) Phenanthrene	11.416	178	392764	36.534	ng	99
72) Anthracene	11.463	178	94191	8.856	ng	99
73) Carbazole	11.622	167	39605	3.877	ng	97
75) Fluoranthene	12.604	202	398177	33.882	ng	100
78) Pyrene	12.833	202	350984	25.472	ng	99
81) Benzo(a)anthracene	14.021	228	229670	22.674	ng	94
83) Chrysene	14.057	228	201595	21.769	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	105080	9.683	ng	96
88) Benzo(b)fluoranthene	15.080	252	390098	32.721	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	390098	38.573	ng	# 98
90) Benzo(a)pyrene	15.445	252	198867	21.155	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	29808	3.312	ng	# 77
92) Benzo(g,h,i)perylene	17.427	276	96452	10.684	ng	97

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

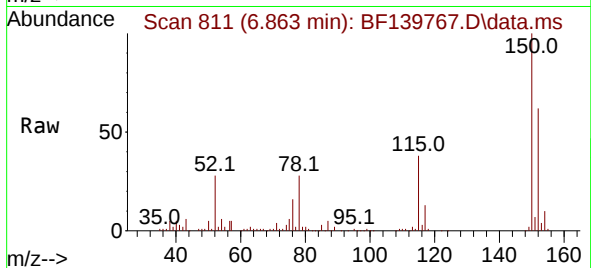
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
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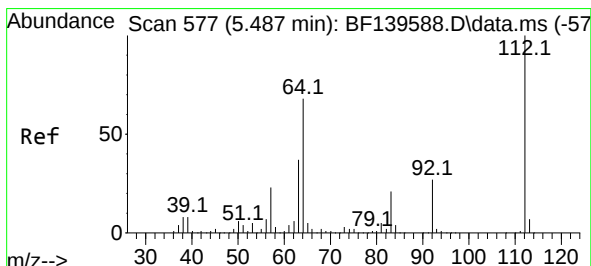
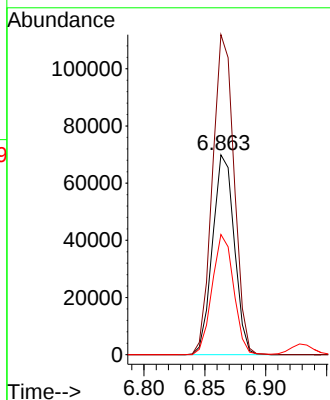
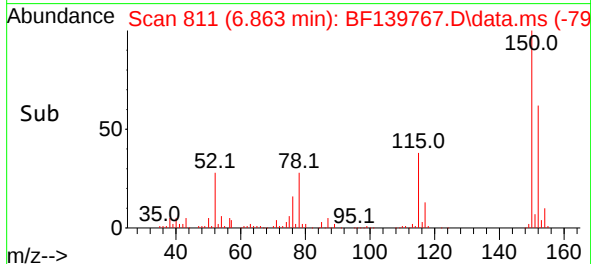


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

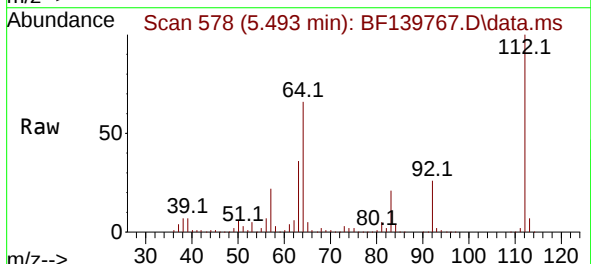
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



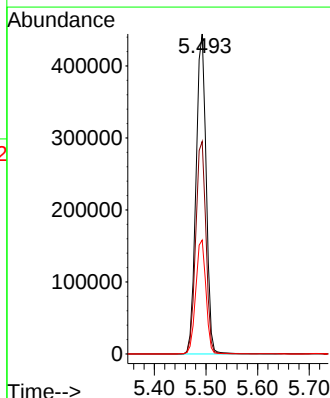
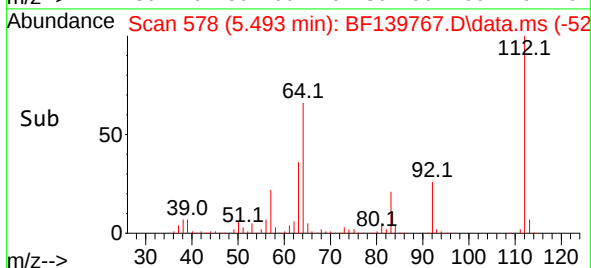
Tgt Ion:152 Resp: 86873
Ion Ratio Lower Upper
152 100
150 160.1 127.2 190.8
115 60.1 49.0 73.4

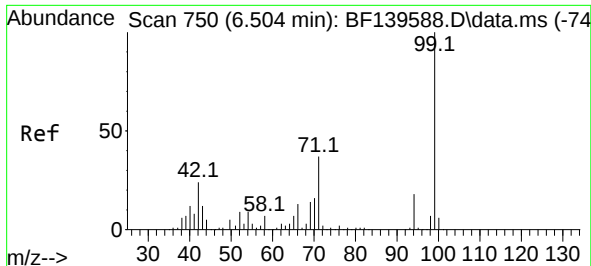


#5
2-Fluorophenol
Concen: 121.053 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27



Tgt Ion:112 Resp: 606736
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 35.6 29.4 44.2

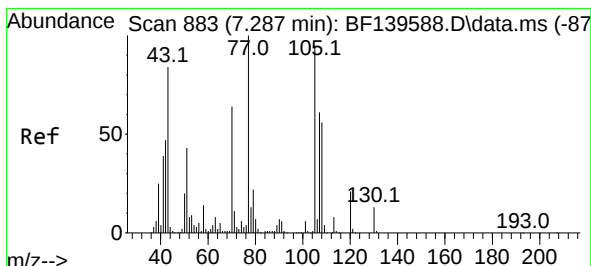
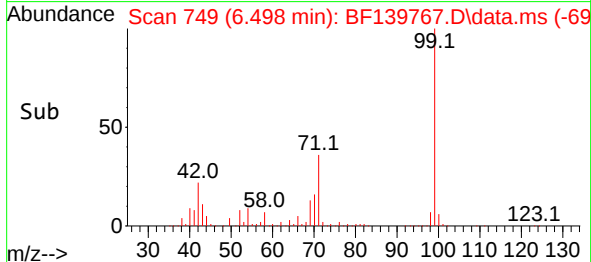
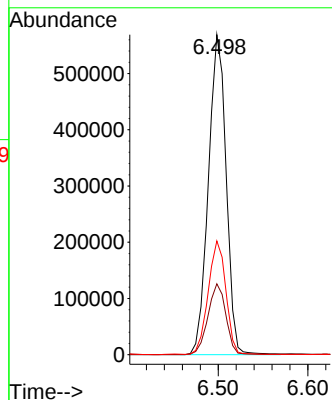
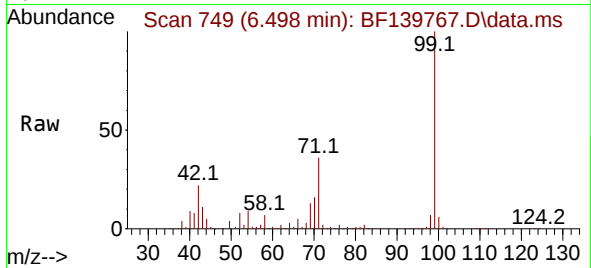




#7
Phenol-d6
Concen: 116.287 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

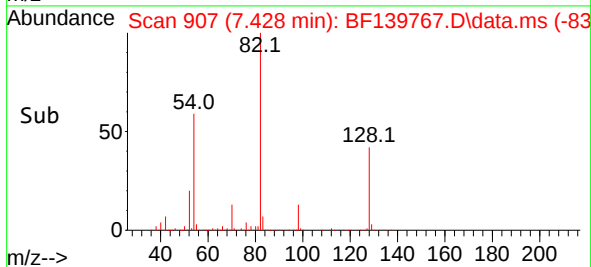
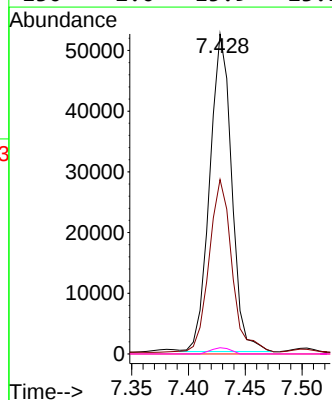
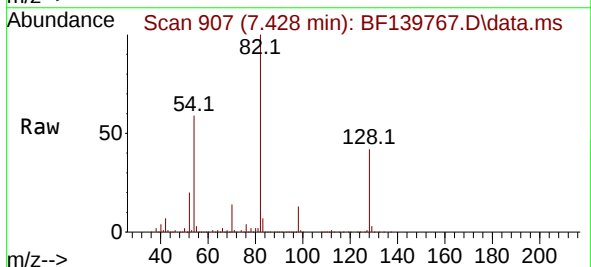
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

Tgt Ion: 99 Resp: 783809
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 35.6 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.259 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion: 70 Resp: 70456
Ion Ratio Lower Upper
70 100
42 54.5 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#



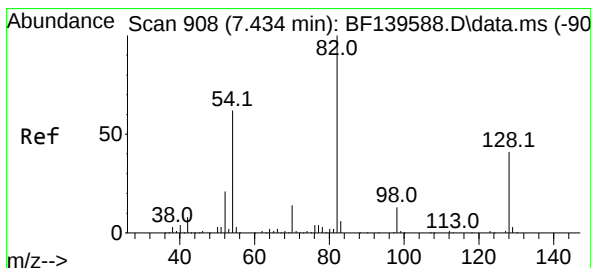
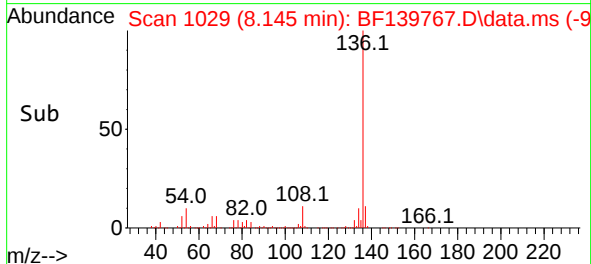
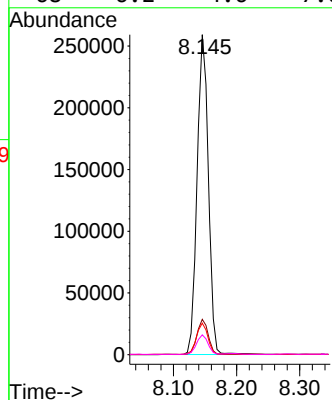
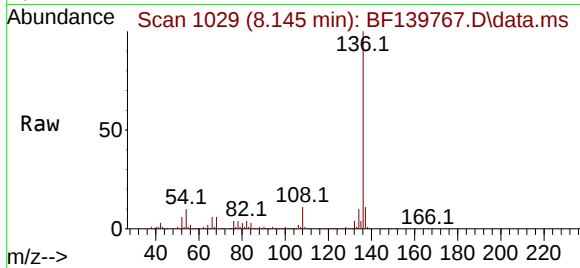


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

Tgt Ion:136 Resp: 320379

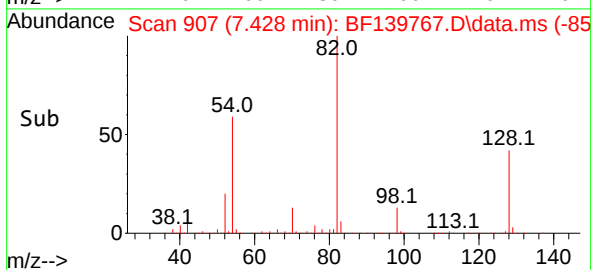
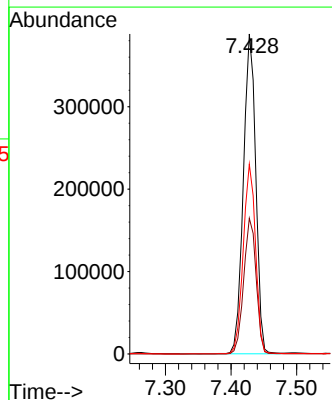
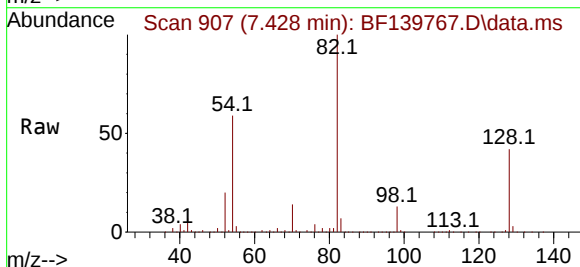
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.9	8.3	12.5
68	6.2	4.6	7.0



#23
Nitrobenzene-d5
Concen: 80.919 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion: 82 Resp: 512041

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.4	48.6
54	59.3	49.1	73.7

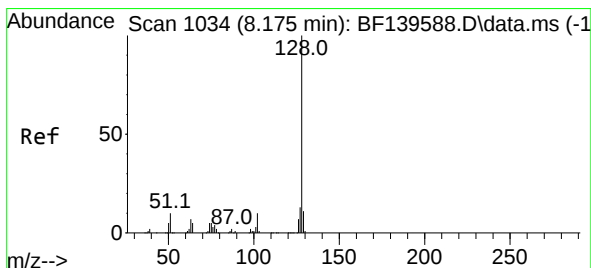
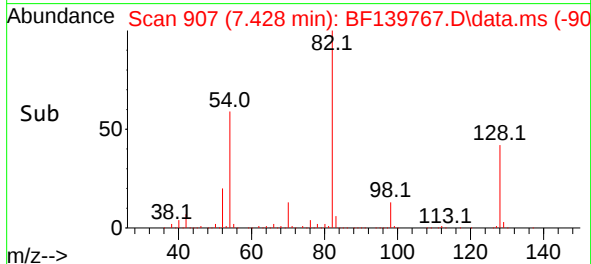
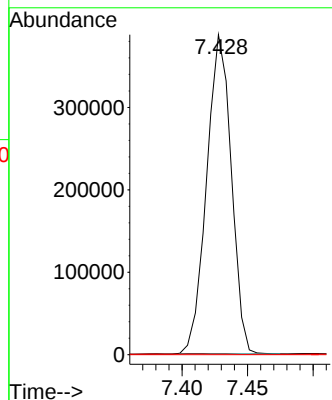
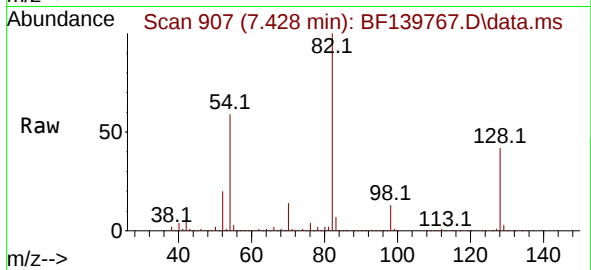




#25
Isophorone
Concen: 45.156 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

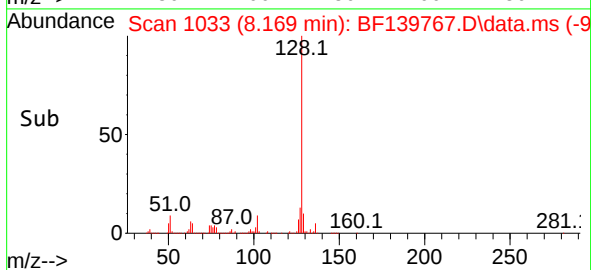
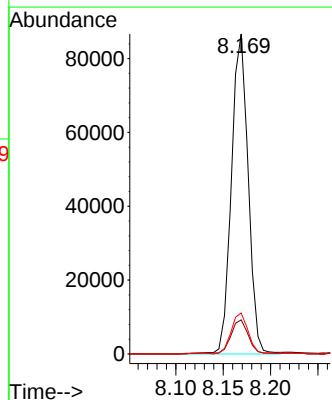
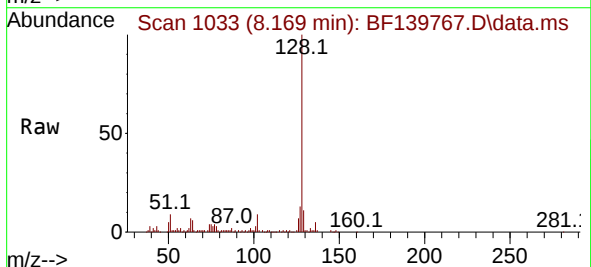
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

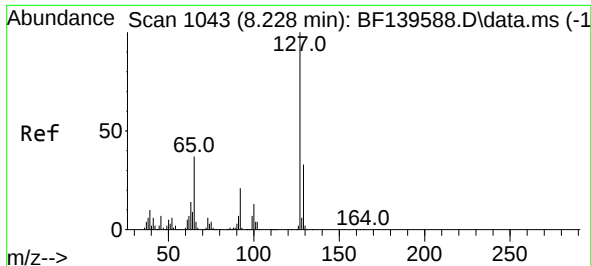
Tgt Ion: 82 Resp: 507502
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 6.513 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:128 Resp: 106686
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.5 15.7





#33

4-Chloroaniline

Concen: 2.527 ng

RT: 8.169 min Scan# 1100

Delta R.T. -0.059 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

Tgt Ion:127 Resp: 14014

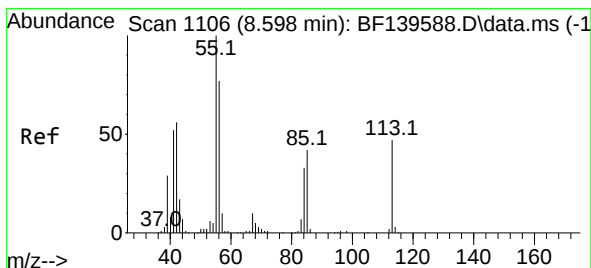
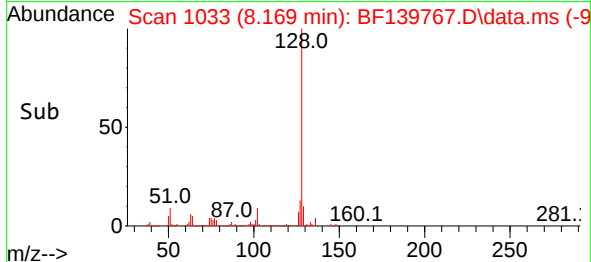
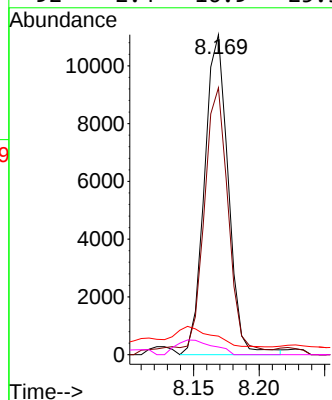
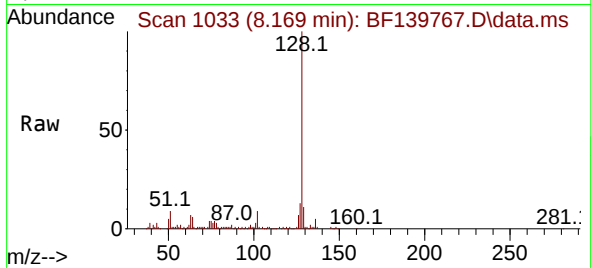
Ion Ratio Lower Upper

127 100

129 83.4 26.2 39.4#

65 5.8 29.3 43.9#

92 2.4 16.9 25.3#



#35

Caprolactam

Concen: 2.674 ng

RT: 8.563 min Scan# 1100

Delta R.T. -0.035 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

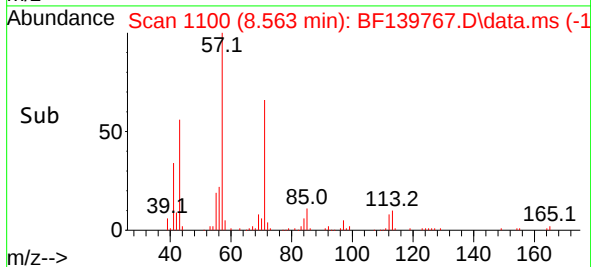
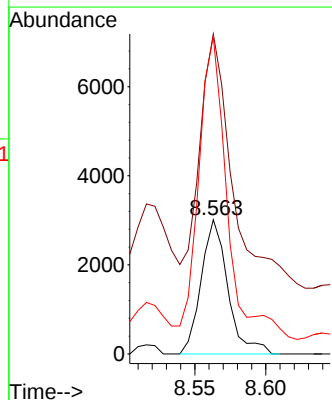
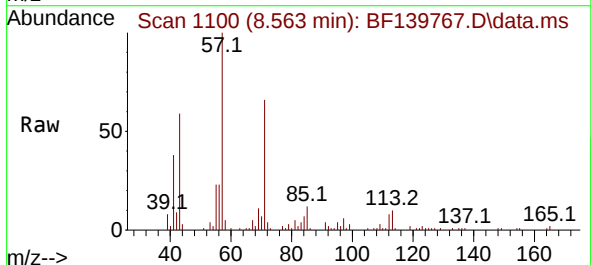
Tgt Ion:113 Resp: 3945

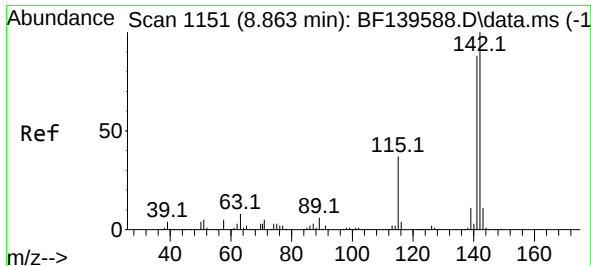
Ion Ratio Lower Upper

113 100

55 238.3 193.4 233.4#

56 236.3 143.8 183.8#





#37

2-Methylnaphthalene

Concen: 6.523 ng

RT: 8.857 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

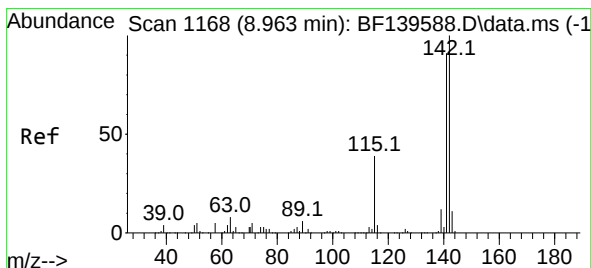
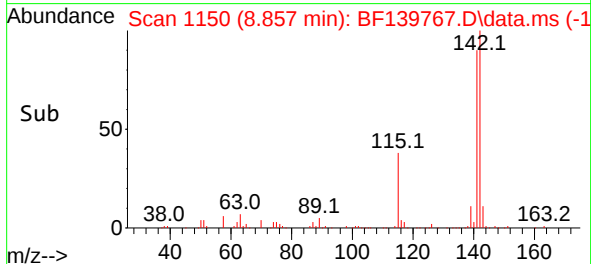
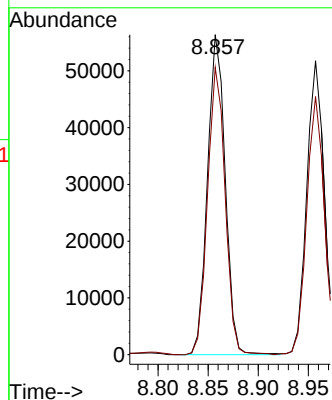
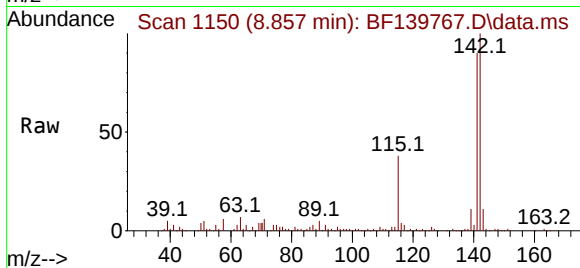
SB-01-4.25-4.83

Tgt Ion:142 Resp: 69594

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6



#38

1-Methylnaphthalene

Concen: 6.010 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF139767.D

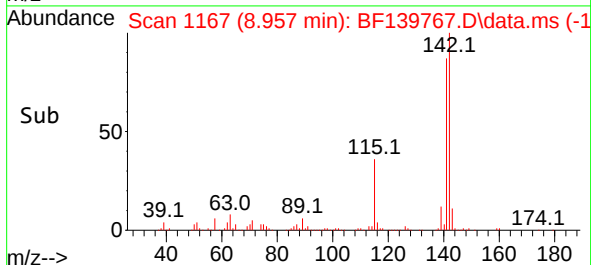
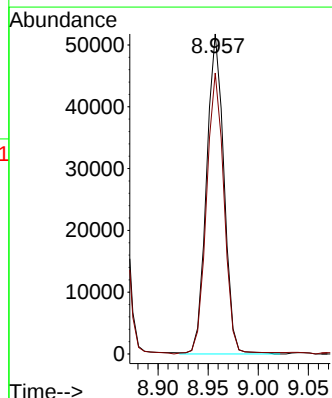
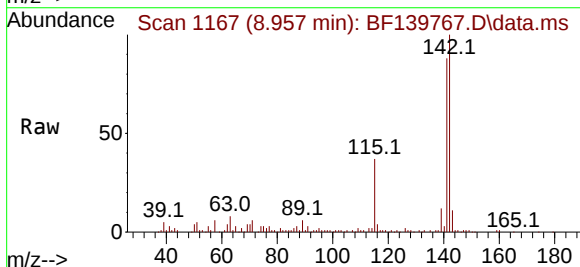
Acq: 11 Oct 2024 11:27

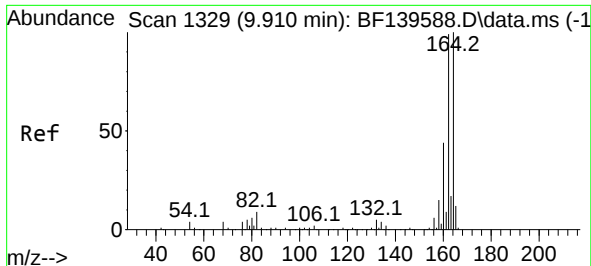
Tgt Ion:142 Resp: 62669

Ion Ratio Lower Upper

142 100

141 87.8 73.0 109.4

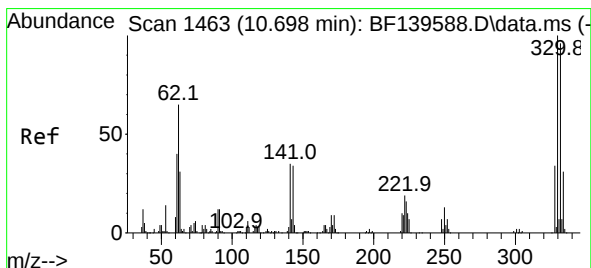
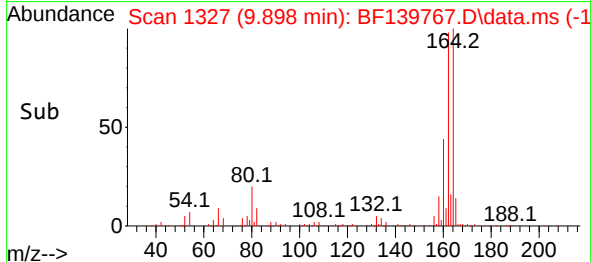
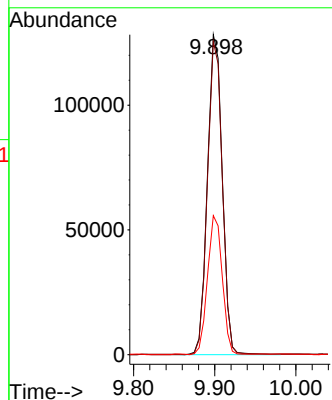
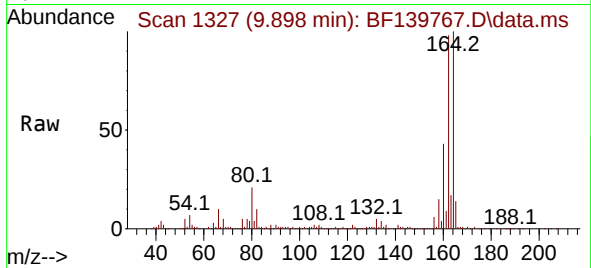




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

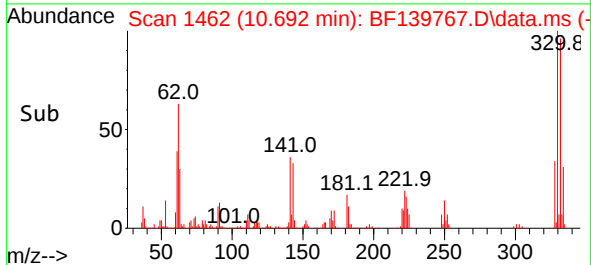
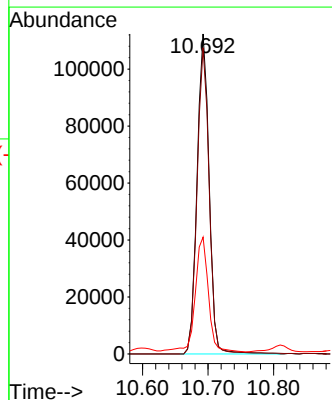
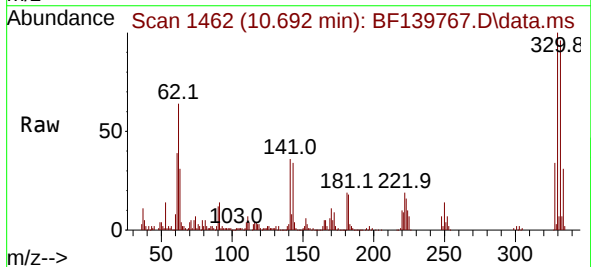
Instrument :
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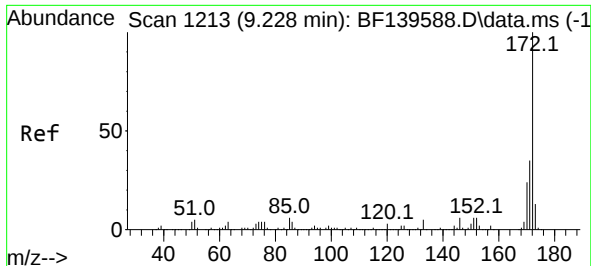
Tgt Ion:164 Resp: 162543
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.5 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 91.809 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:330 Resp: 144056
Ion Ratio Lower Upper
330 100
332 96.3 76.5 114.7
141 39.1 29.3 43.9

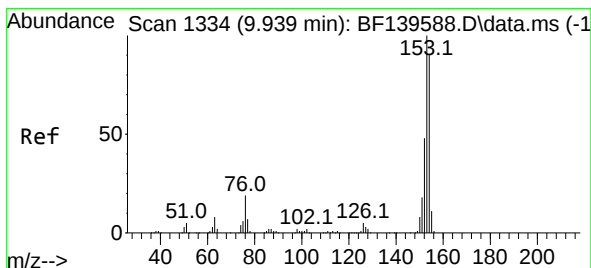
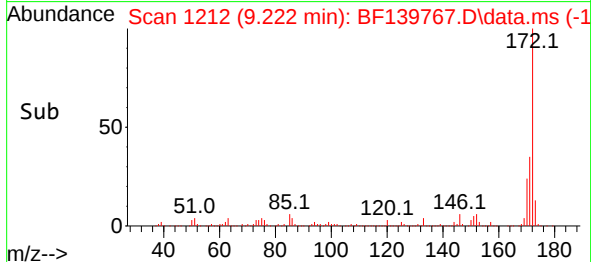
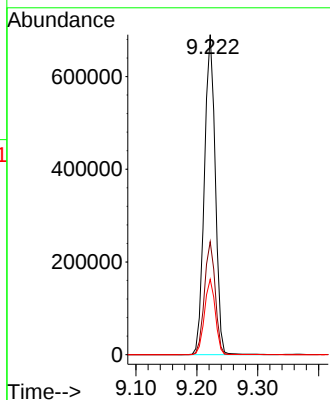
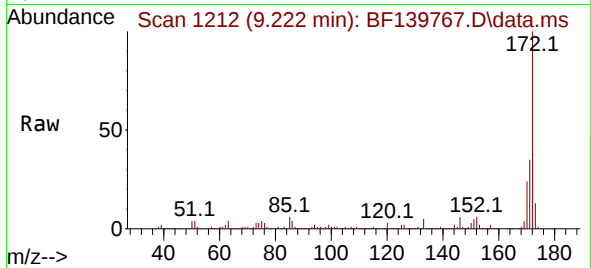




#45
2-Fluorobiphenyl
Concen: 81.312 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

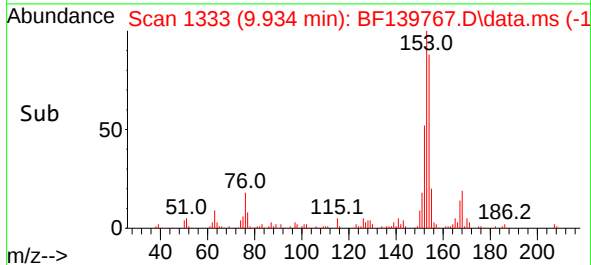
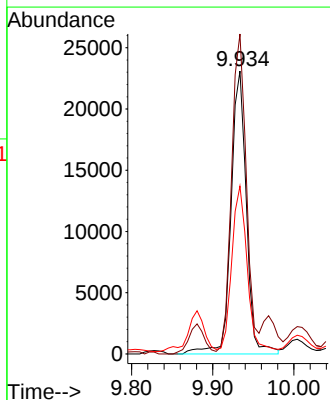
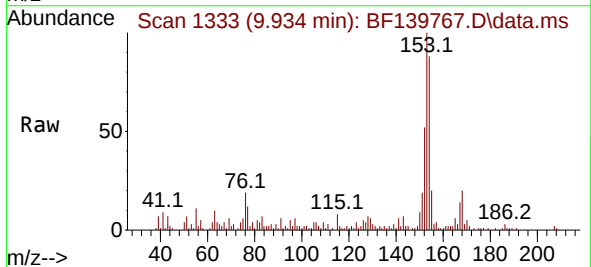
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

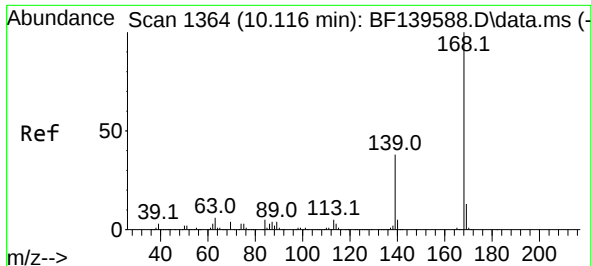
Tgt Ion:172 Resp: 860917
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.5 18.8 28.2



#52
Acenaphthene
Concen: 3.206 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:154 Resp: 30331
Ion Ratio Lower Upper
154 100
153 113.1 88.8 133.2
152 59.3 42.5 63.7

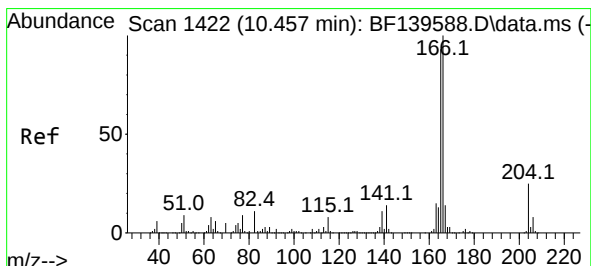
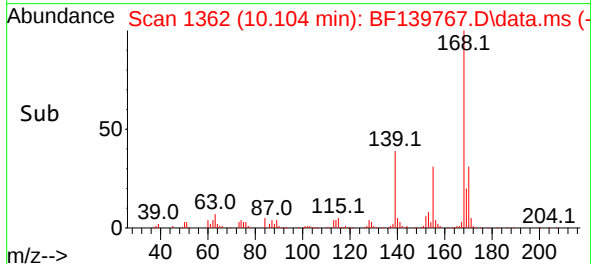
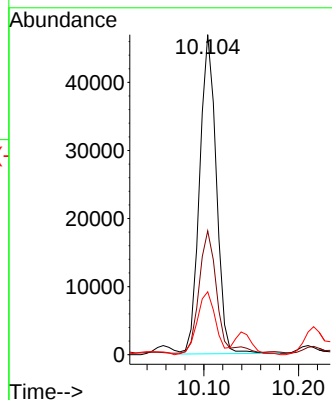
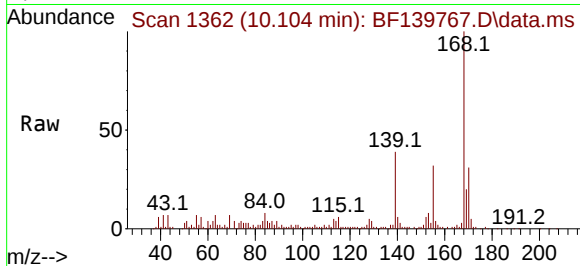




#55
Dibenzenofuran
Concen: 4.331 ng
RT: 10.104 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

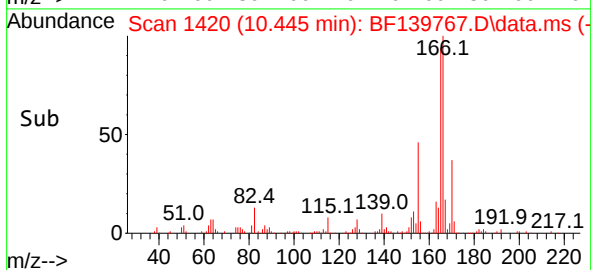
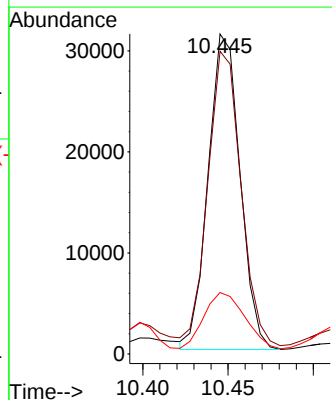
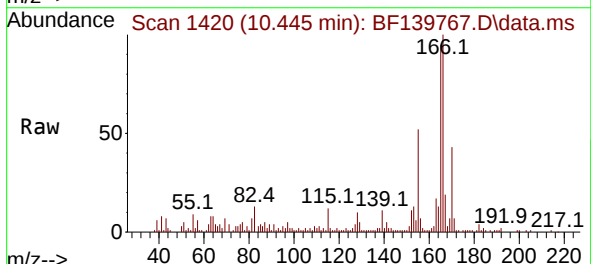
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

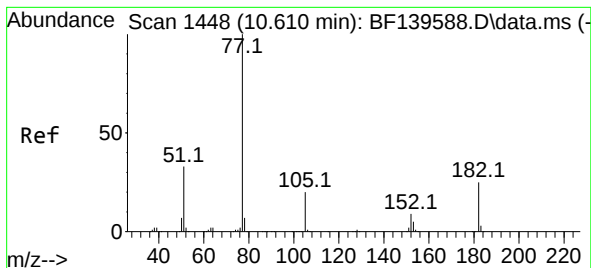
Tgt Ion:168 Resp: 57374
Ion Ratio Lower Upper
168 100
139 38.7 30.4 45.6
169 19.7 10.7 16.1#



#58
Fluorene
Concen: 3.853 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:166 Resp: 40657
Ion Ratio Lower Upper
166 100
165 94.6 74.4 111.6
167 19.2 10.9 16.3#





#63

Azobenzene

Concen: 5.285 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

Tgt Ion: 77 Resp: 58417

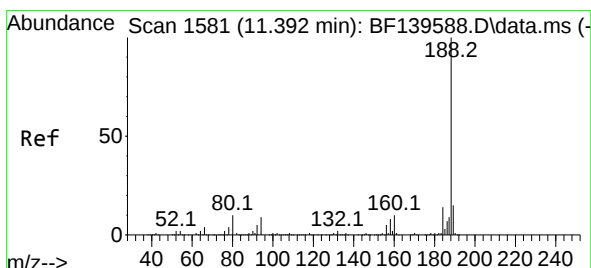
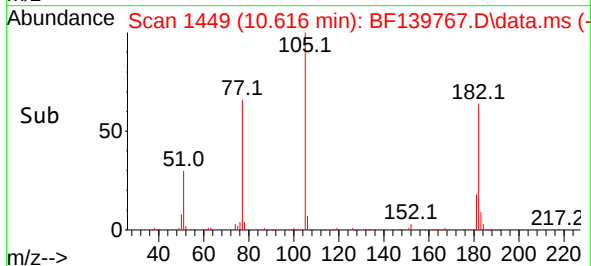
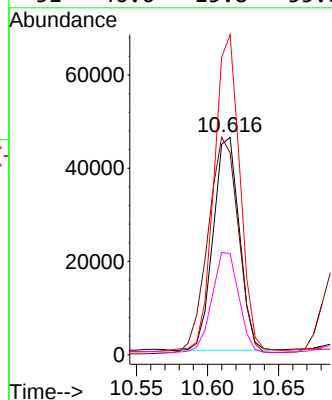
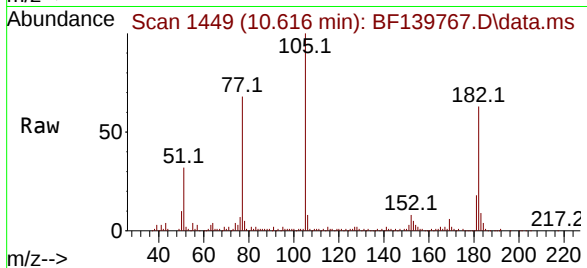
Ion Ratio Lower Upper

77 100

182 92.9 4.2 44.2#

105 147.2 0.0 39.6#

51 46.6 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: BF139767.D

Acq: 11 Oct 2024 11:27

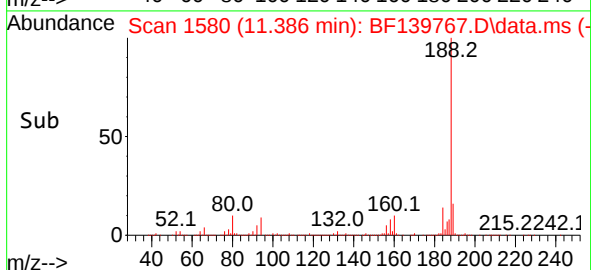
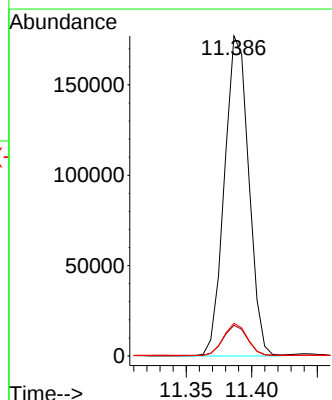
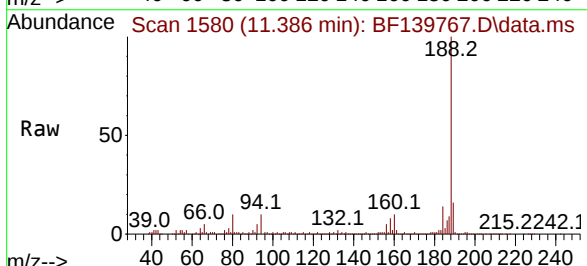
Tgt Ion: 188 Resp: 228003

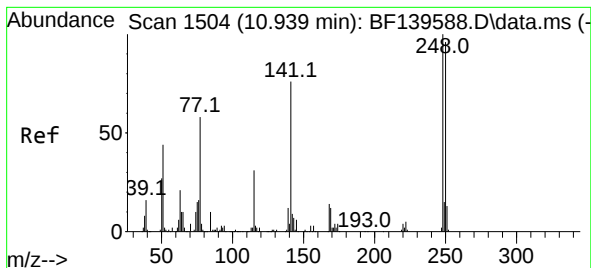
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 10.2 8.2 12.2

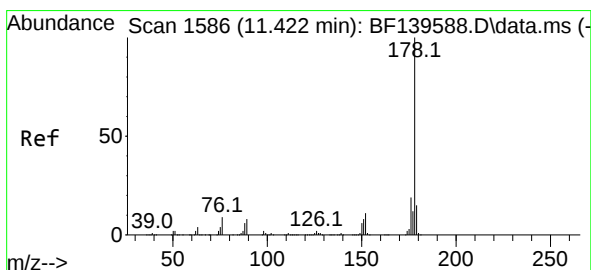
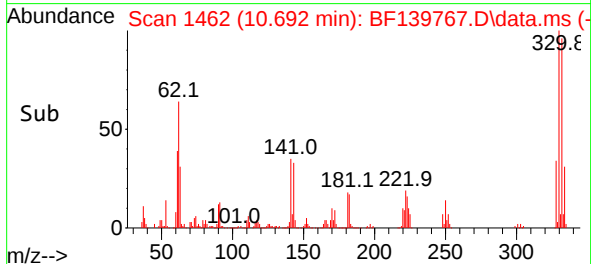
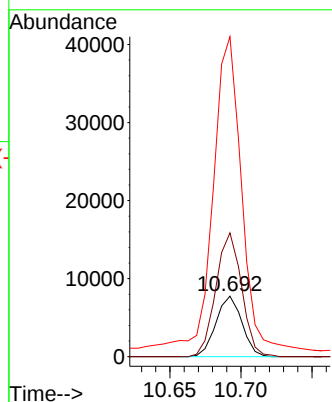
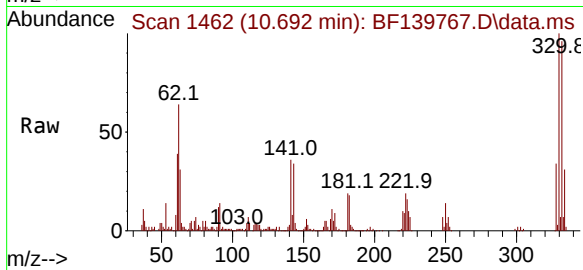




#67
4-Bromophenyl-phenylether
Concen: 4.219 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

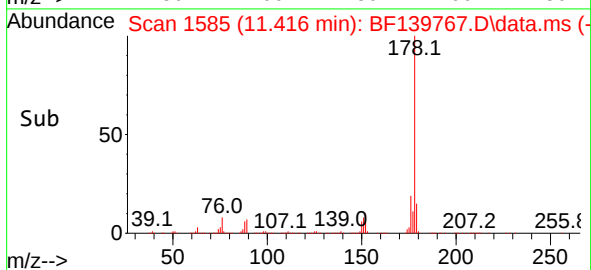
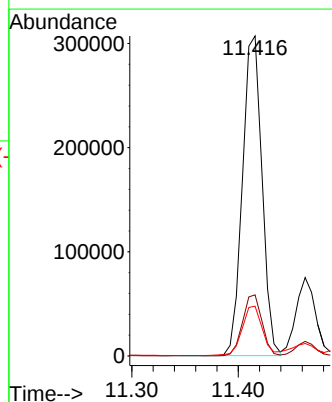
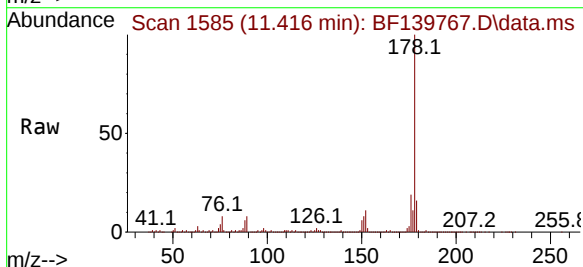
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

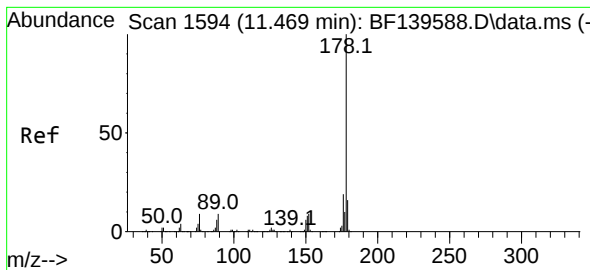
Tgt Ion:248 Resp: 9862
Ion Ratio Lower Upper
248 100
250 204.7 77.1 115.7#
141 528.6 60.4 90.6#



#71
Phenanthrene
Concen: 36.534 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:178 Resp: 392764
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 12.3 18.5





#72

Anthracene

Concen: 8.856 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

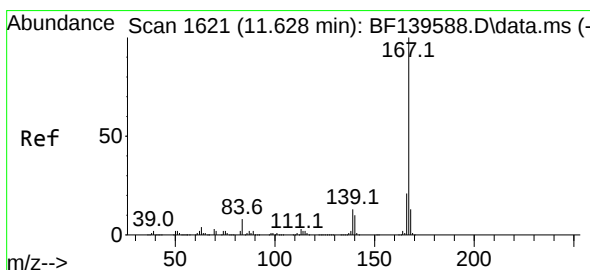
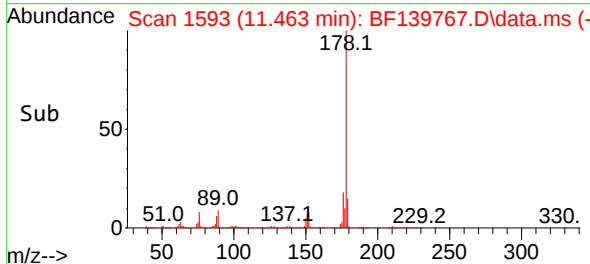
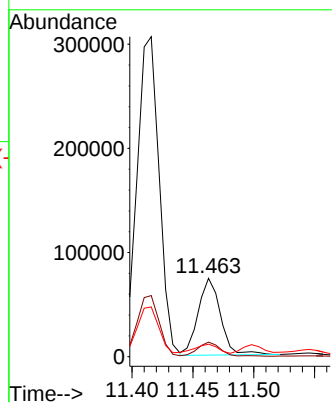
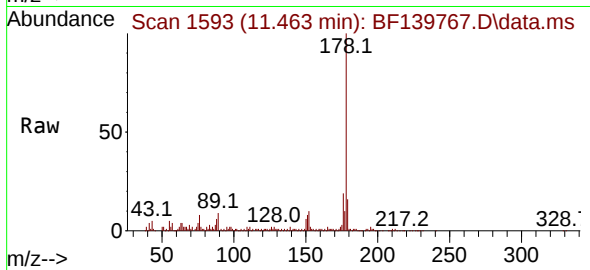
Tgt Ion:178 Resp: 94191

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 16.0 12.5 18.7



#73

Carbazole

Concen: 3.877 ng

RT: 11.622 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

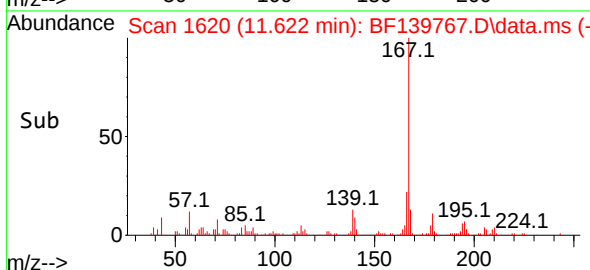
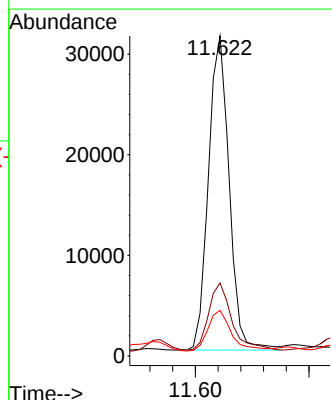
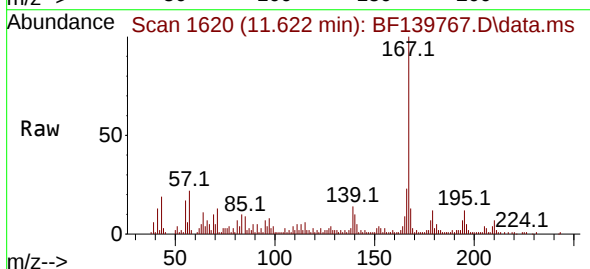
Tgt Ion:167 Resp: 39605

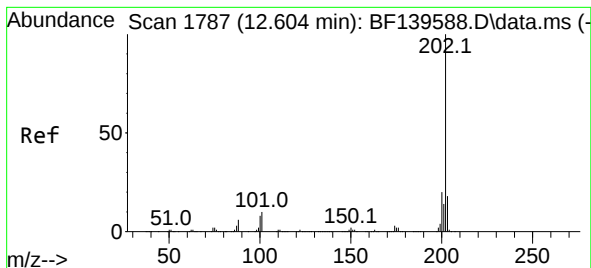
Ion Ratio Lower Upper

167 100

166 22.8 17.2 25.8

139 14.2 10.3 15.5





#75

Fluoranthene

Concen: 33.882 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

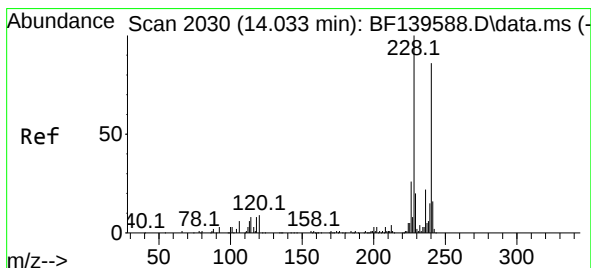
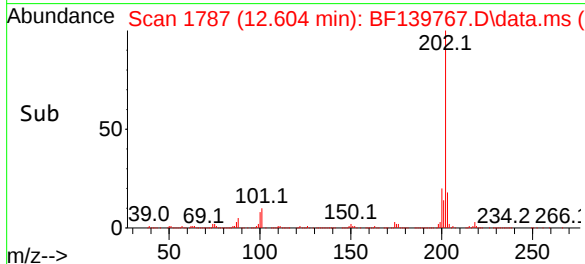
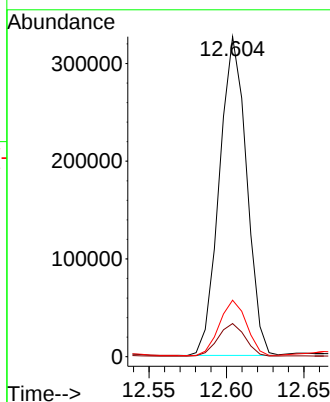
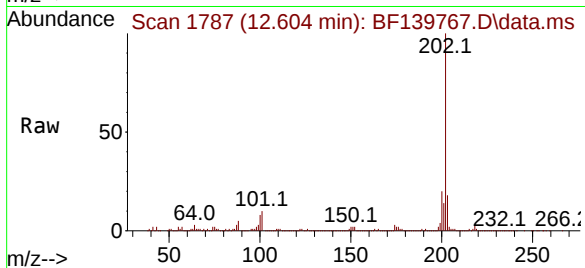
Tgt Ion:202 Resp: 398177

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.2

203 17.6 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: BF139767.D

Acq: 11 Oct 2024 11:27

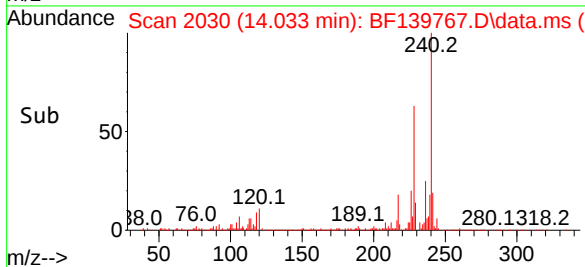
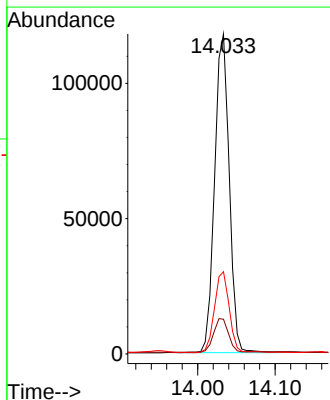
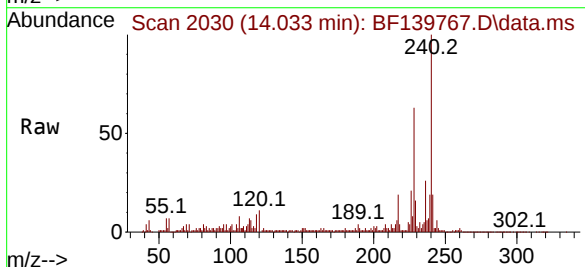
Tgt Ion:240 Resp: 154064

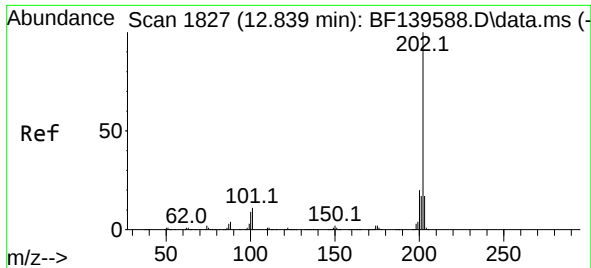
Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 25.7 20.3 30.5

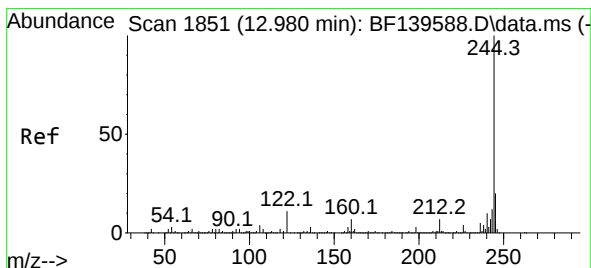
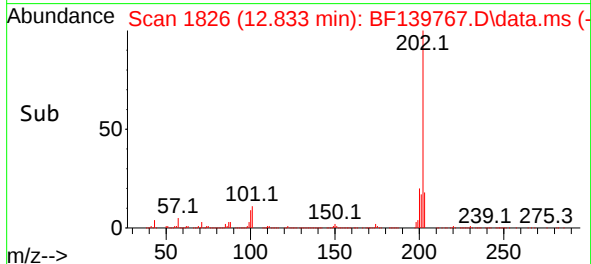
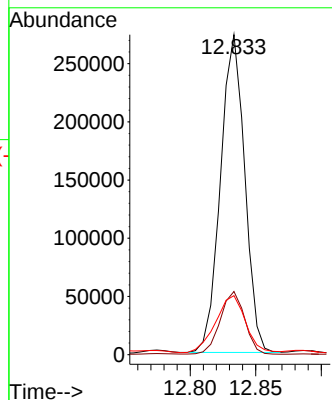
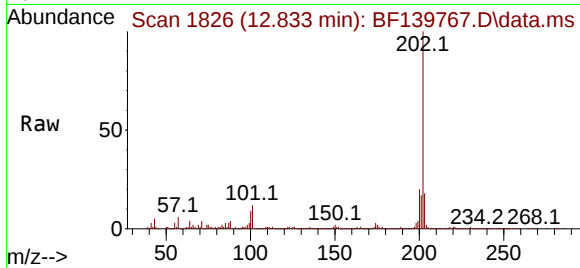




#78
 Pyrene
 Concen: 25.472 ng
 RT: 12.833 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF139767.D
 Acq: 11 Oct 2024 11:27

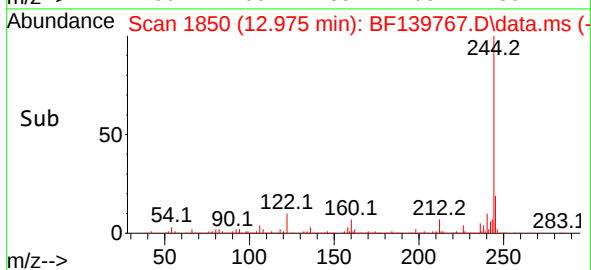
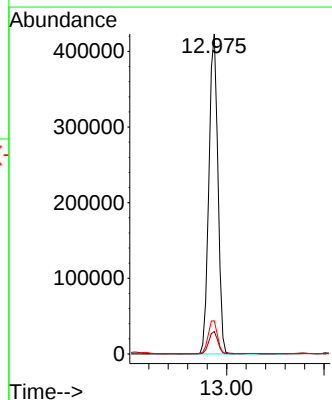
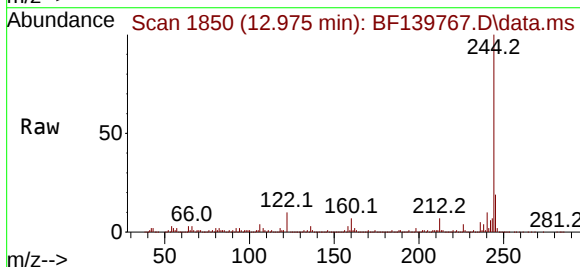
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-4.25-4.83

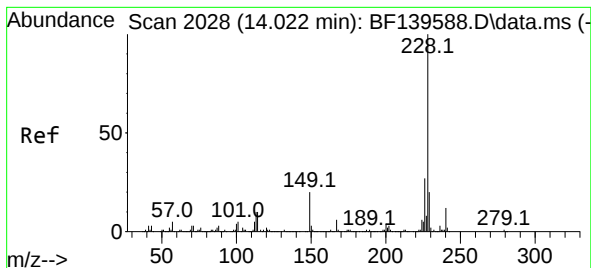
Tgt Ion:202 Resp: 350984
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.8 23.6
 203 18.4 13.8 20.8



#79
 Terphenyl-d14
 Concen: 57.361 ng
 RT: 12.975 min Scan# 1850
 Delta R.T. -0.005 min
 Lab File: BF139767.D
 Acq: 11 Oct 2024 11:27

Tgt Ion:244 Resp: 538586
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 22.674 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

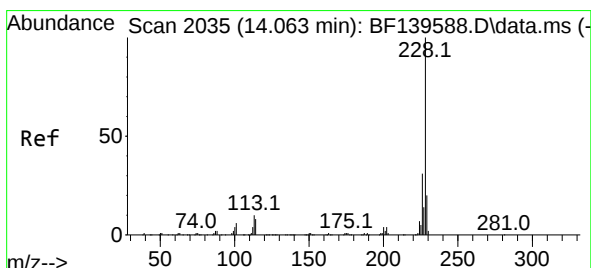
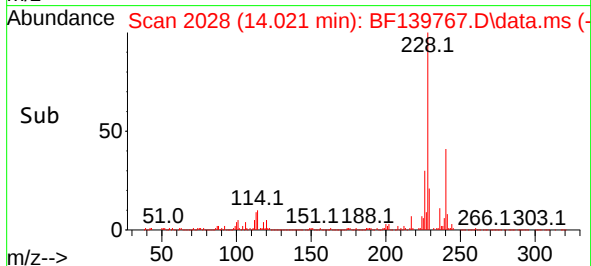
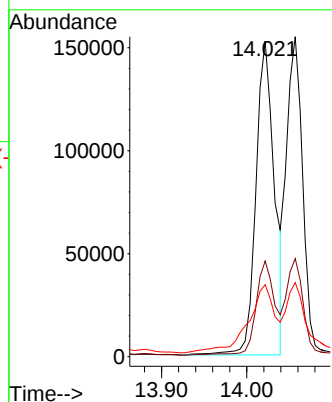
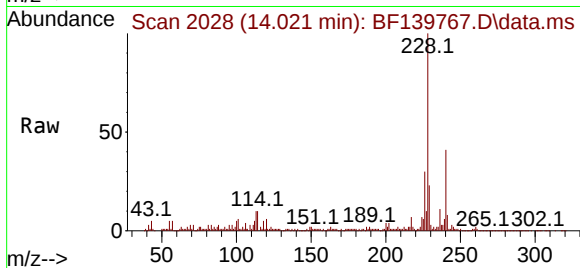
Tgt Ion:228 Resp: 229670

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.8

229 22.8 15.8 23.8



#83

Chrysene

Concen: 21.769 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

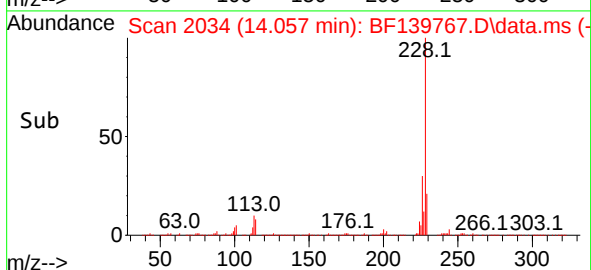
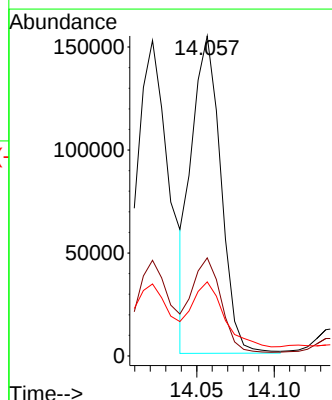
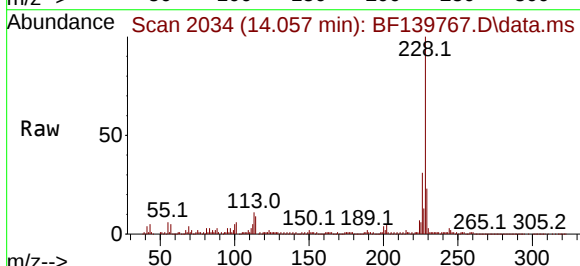
Tgt Ion:228 Resp: 201595

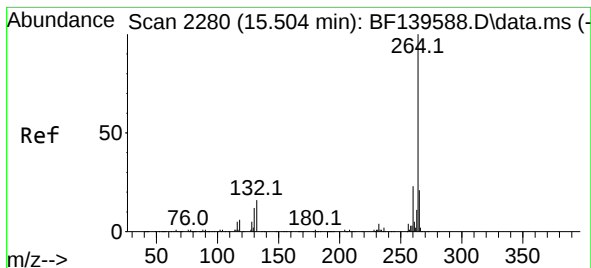
Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 23.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

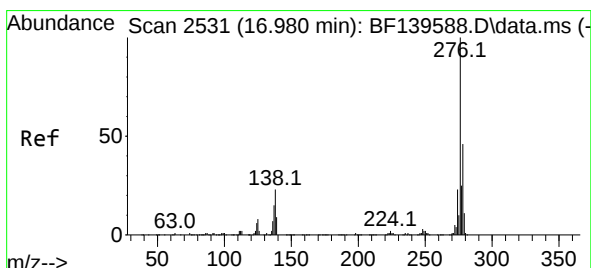
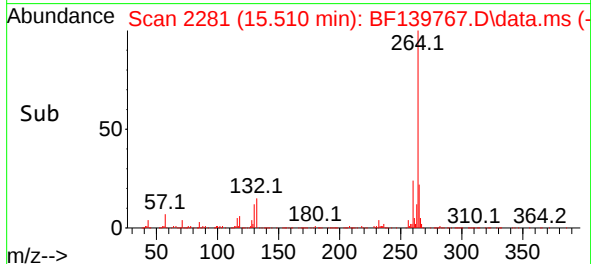
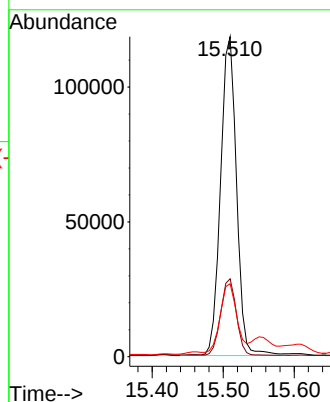
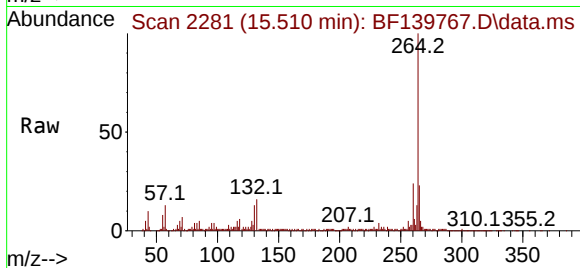
Tgt Ion:264 Resp: 184386

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 22.8 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.683 ng

RT: 16.980 min Scan# 2531

Delta R.T. 0.000 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

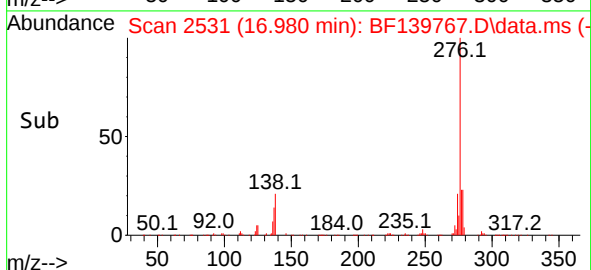
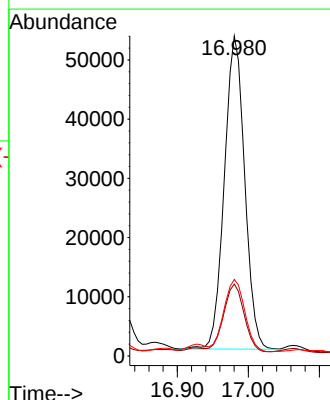
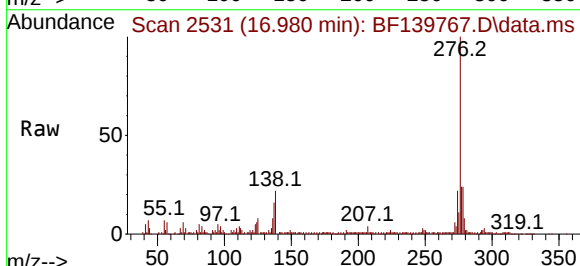
Tgt Ion:276 Resp: 105080

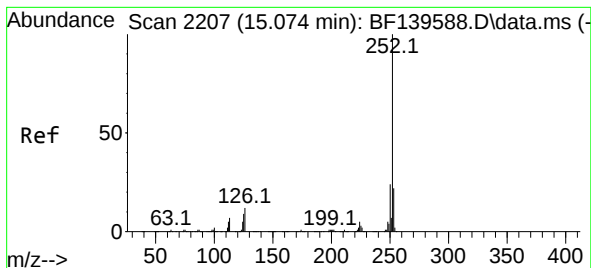
Ion Ratio Lower Upper

276 100

138 21.8 19.4 29.0

277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 32.721 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

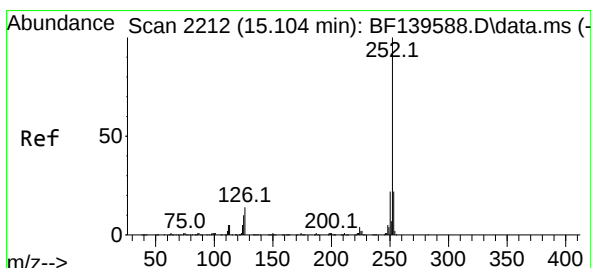
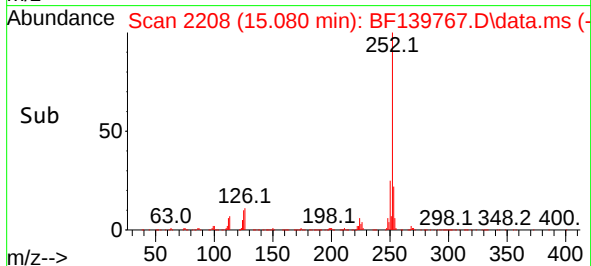
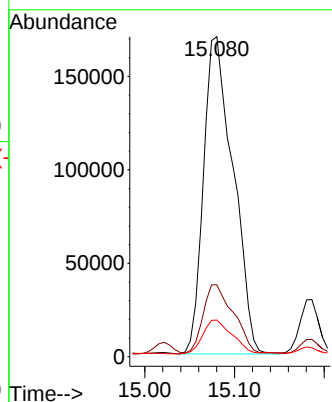
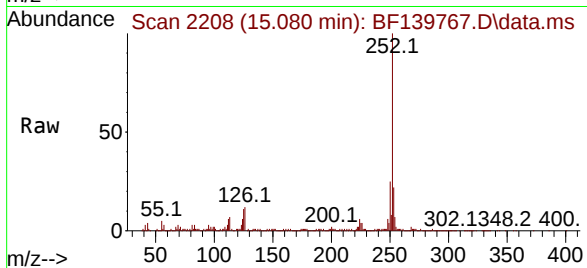
Tgt Ion:252 Resp: 390098

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 11.5 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 38.573 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.024 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

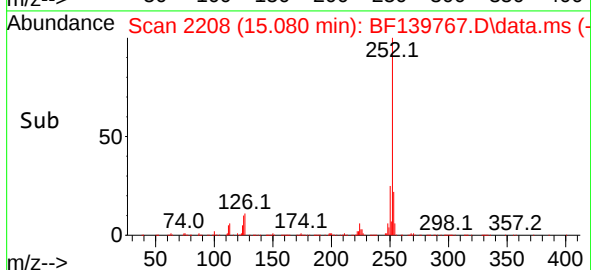
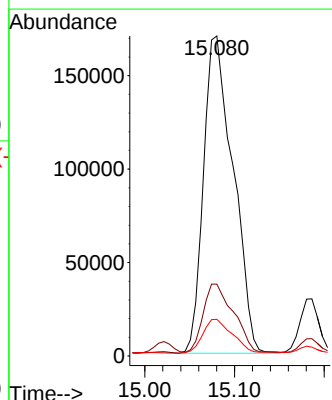
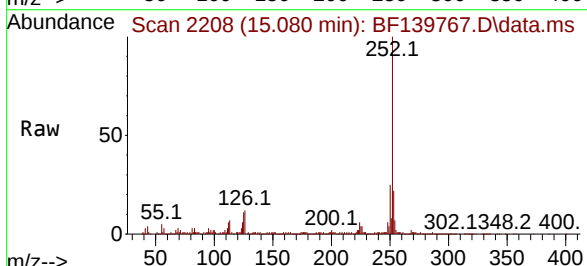
Tgt Ion:252 Resp: 390098

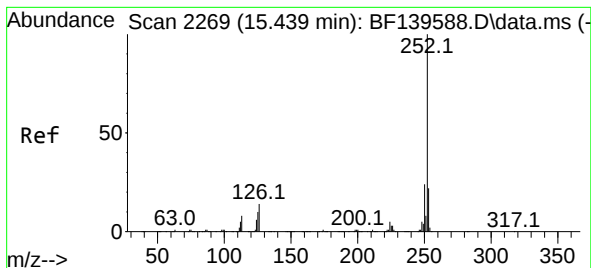
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.5 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 21.155 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

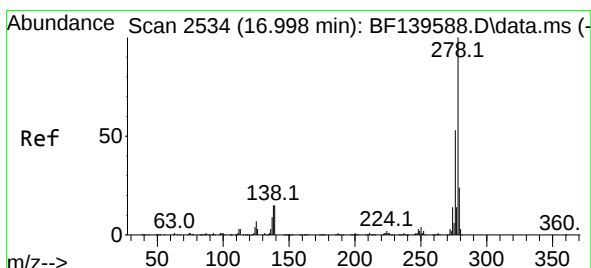
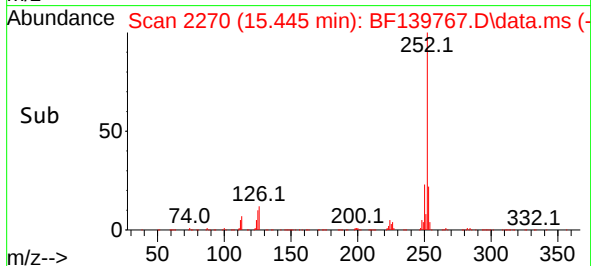
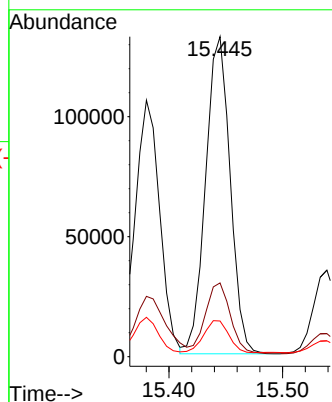
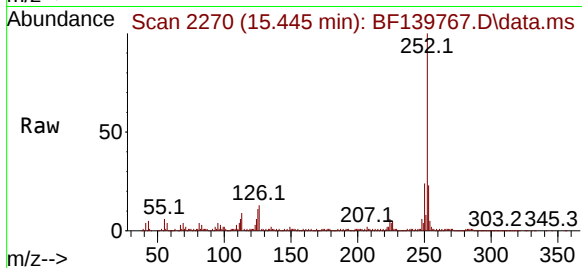
Tgt Ion:252 Resp: 198867

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.1 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 3.312 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

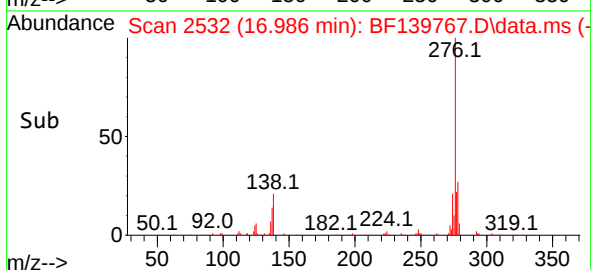
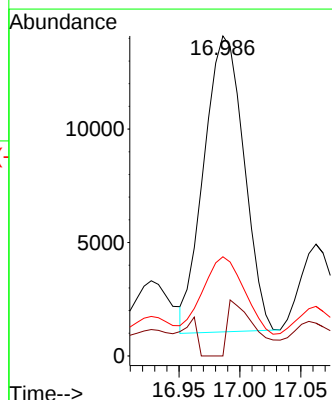
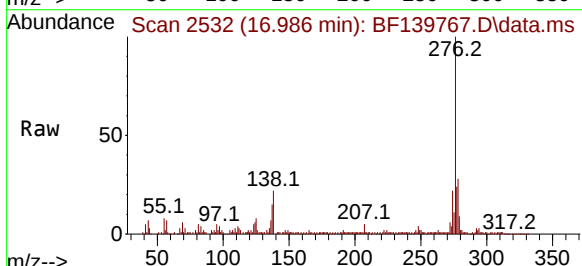
Tgt Ion:278 Resp: 29808

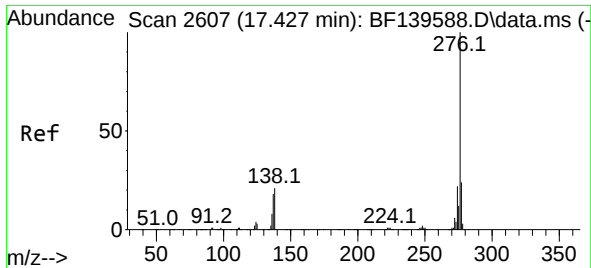
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

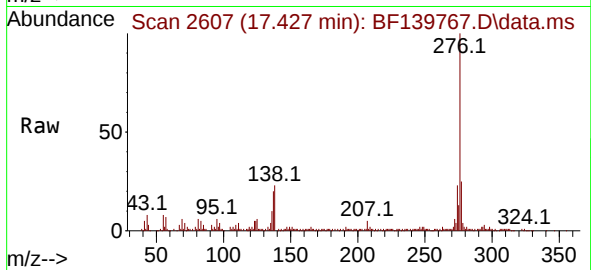
279 31.0 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 10.684 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF139767.D
 Acq: 11 Oct 2024 11:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-4.25-4.83



Tgt Ion:	276	Resp:	96452
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.6
138	23.0	17.0	25.6

