

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139726.D
 Acq On : 09 Oct 2024 17:00
 Operator : RC/JU
 Sample : P4340-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1B-7

Quant Time: Oct 09 17:52:39 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

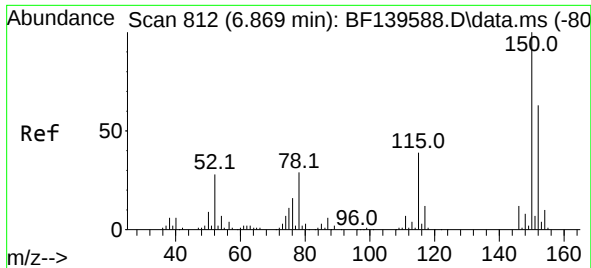
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	79597	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	296965	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	159333	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	249802	20.000	ng	0.00
76) Chrysene-d12	14.033	240	151840	20.000	ng	0.00
86) Perylene-d12	15.504	264	171564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	7607	1.656	ng	0.00
7) Phenol-d6	6.493	99	54012	8.746	ng	-0.01
23) Nitrobenzene-d5	7.422	82	72316	12.329	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	806	0.524	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	109747	10.574	ng	0.00
79) Terphenyl-d14	12.969	244	74559	8.057	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	9425	2.374	ng	# 81
25) Isophorone	7.422	82	71022	6.818	ng	# 66
31) Naphthalene	8.169	128	89927	5.923	ng	99
33) 4-Chloroaniline	8.169	127	11763	2.289	ng	# 34
37) 2-Methylnaphthalene	8.857	142	20139	2.037	ng	99
51) 2,6-Dinitrotoluene	9.898	165	21704	9.212	ng	# 18
52) Acenaphthene	9.933	154	58331	6.289	ng	97
55) Dibenzofuran	10.104	168	47156	3.631	ng	97
58) Fluorene	10.445	166	78910	7.629	ng	99
71) Phenanthrene	11.416	178	734021	62.320	ng	100
72) Anthracene	11.463	178	217159	18.636	ng	98
73) Carbazole	11.622	167	46044	4.114	ng	98
75) Fluoranthene	12.604	202	720685	55.973	ng	100
78) Pyrene	12.833	202	700183	51.558	ng	98
81) Benzo(a)anthracene	14.021	228	318993	31.954	ng	98
83) Chrysene	14.057	228	249683	27.357	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	89074	8.821	ng	96
88) Benzo(b)fluoranthene	15.074	252	368481	33.217	ng	97
89) Benzo(k)fluoranthene	15.074	252	368481	39.159	ng	98
90) Benzo(a)pyrene	15.439	252	229859	26.279	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	22158	2.646	ng	# 84
92) Benzo(g,h,i)perylene	17.421	276	79482	9.463	ng	98

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

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QLast Update : Wed Oct 02 04:58:47 2024
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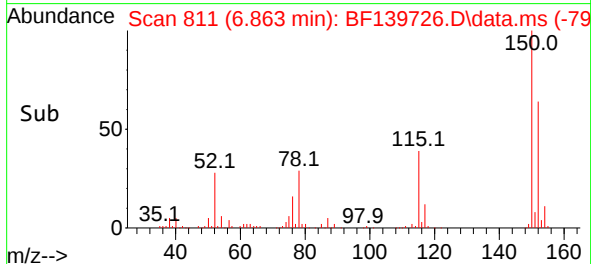
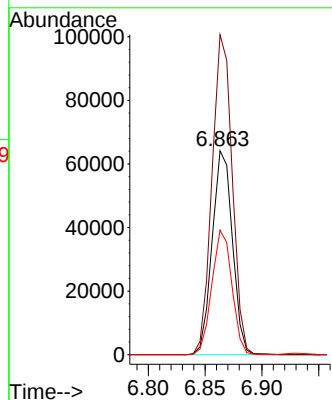
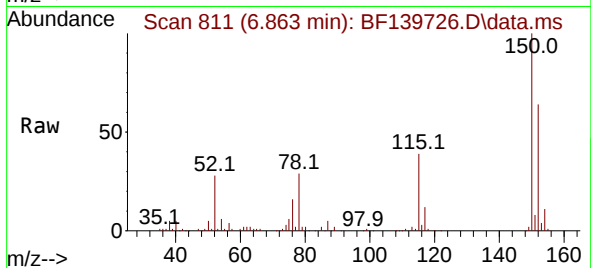




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

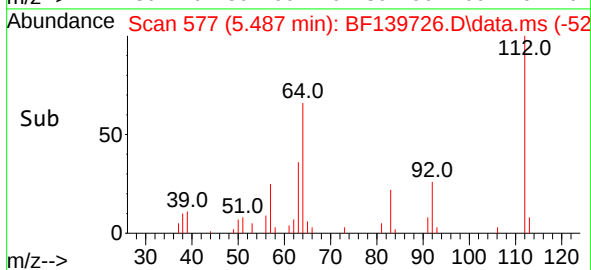
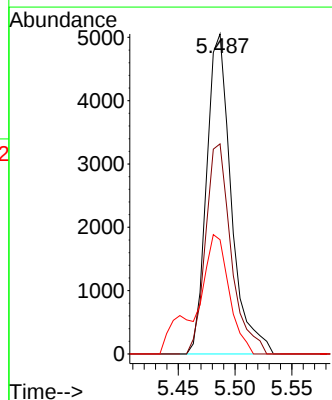
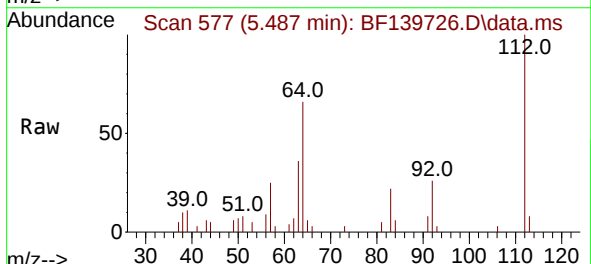
Instrument :
BNA_F
ClientSampleId :
1B-7

Tgt Ion:152 Resp: 79597
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 61.1 49.0 73.4



#5
2-Fluorophenol
Concen: 1.656 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion:112 Resp: 7607
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.4
63 35.7 29.4 44.2

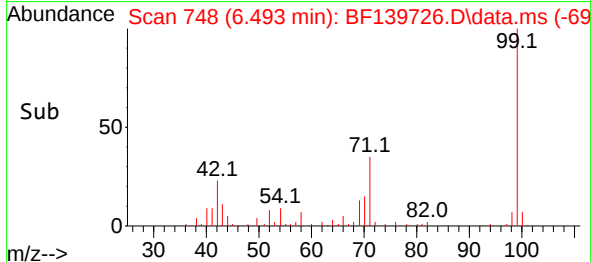
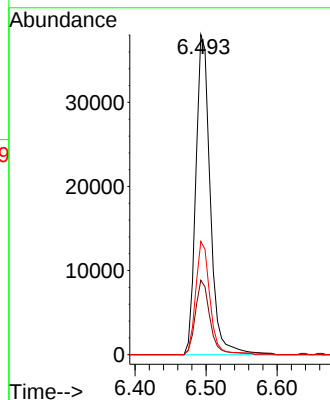
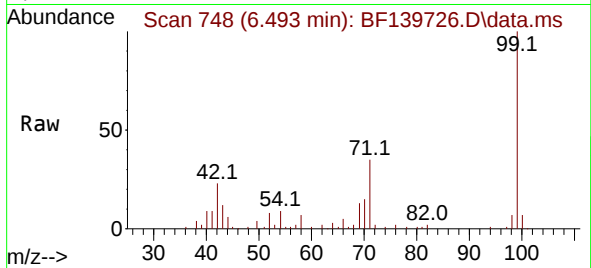




#7
Phenol-d6
Concen: 8.746 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

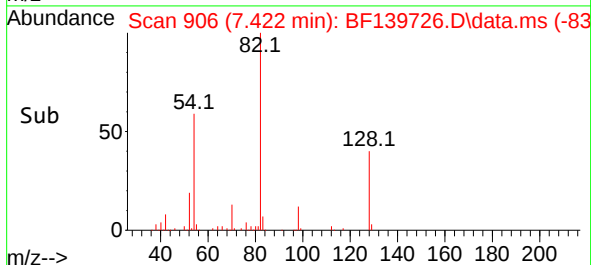
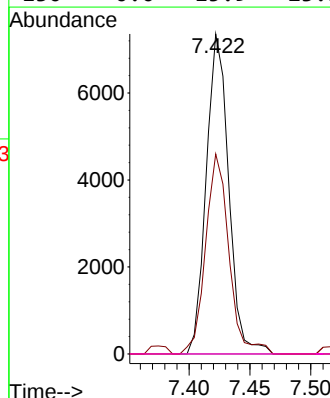
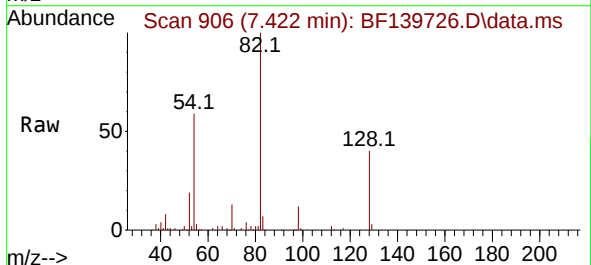
Instrument :
BNA_F
ClientSampleId :
1B-7

Tgt Ion: 99 Resp: 54012
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 35.4 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.374 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion: 70 Resp: 9425
Ion Ratio Lower Upper
70 100
42 62.5 58.0 87.0
101 0.0 7.8 11.8#
130 0.0 15.9 23.9#

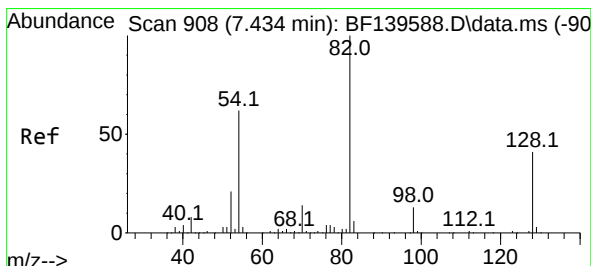
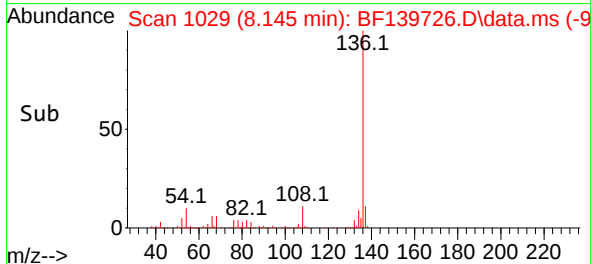
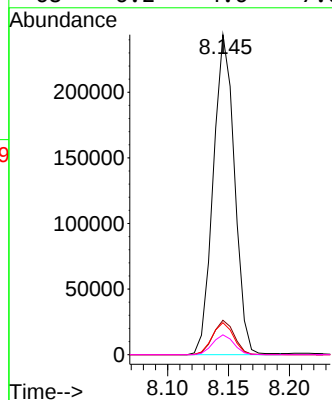
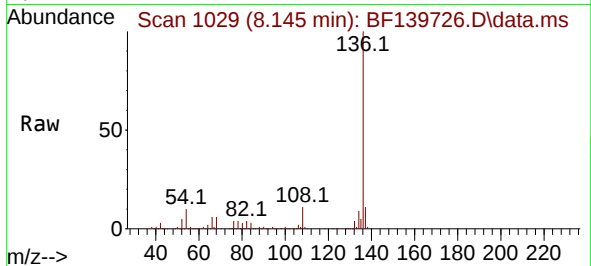




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

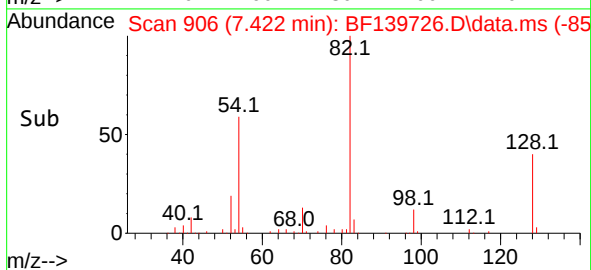
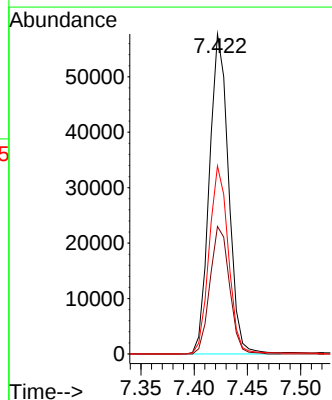
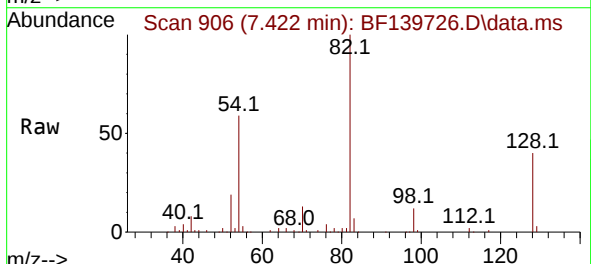
Instrument :
BNA_F
ClientSampleId :
1B-7

Tgt Ion:	136	Resp:	296965
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.3	12.5
68	6.2	4.6	7.0



#23
Nitrobenzene-d5
Concen: 12.329 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion:	82	Resp:	72316
Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.4	48.6
54	58.8	49.1	73.7

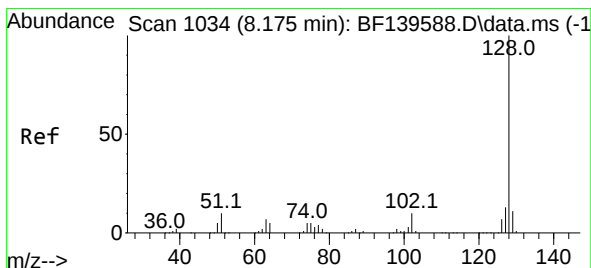
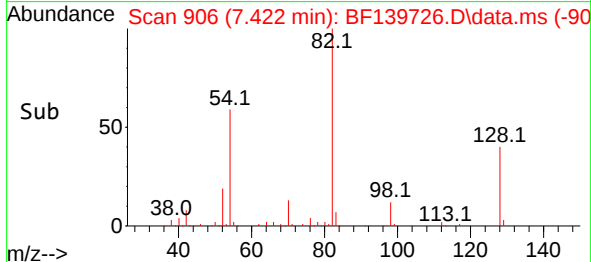
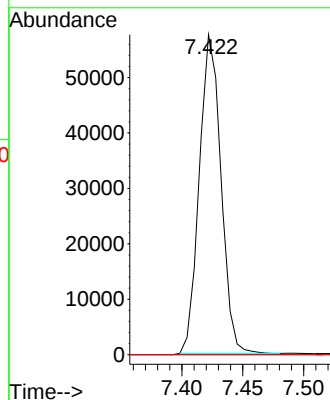
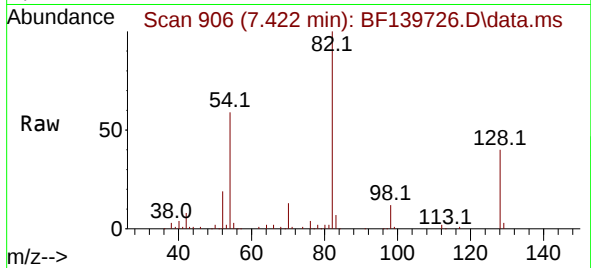




#25
Isophorone
Concen: 6.818 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

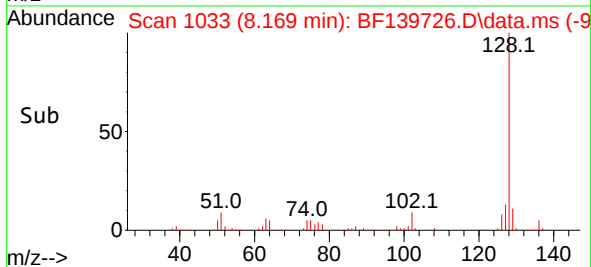
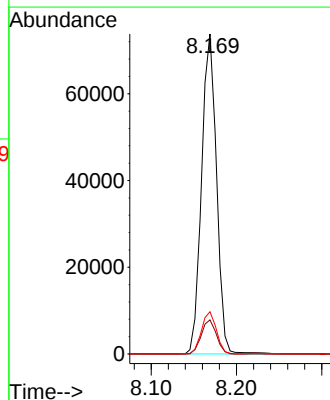
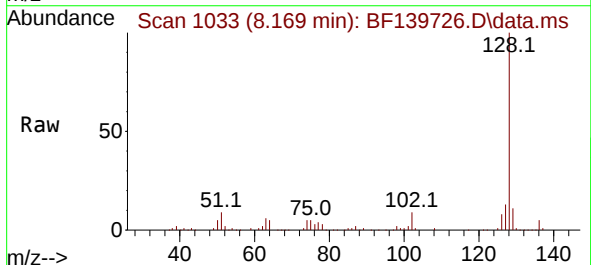
Instrument :
BNA_F
ClientSampleId :
1B-7

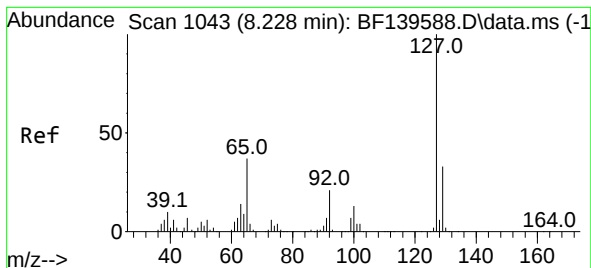
Tgt Ion: 82 Resp: 71022
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 5.923 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion: 128 Resp: 89927
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.2 10.5 15.7





#33

4-Chloroaniline

Concen: 2.289 ng

RT: 8.169 min Scan# 110

Delta R.T. -0.059 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

Tgt Ion:127 Resp: 11763

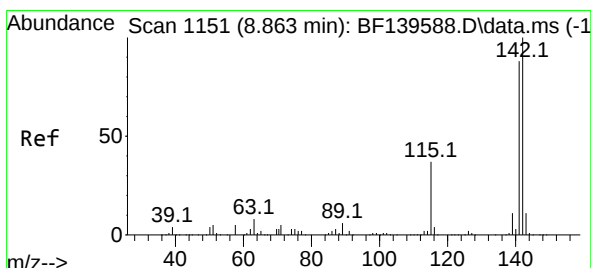
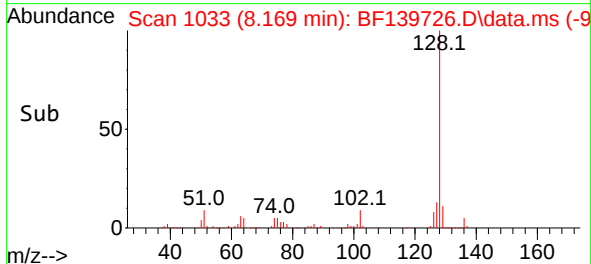
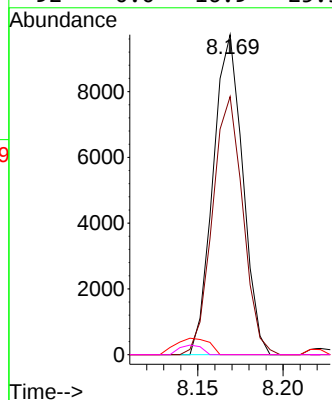
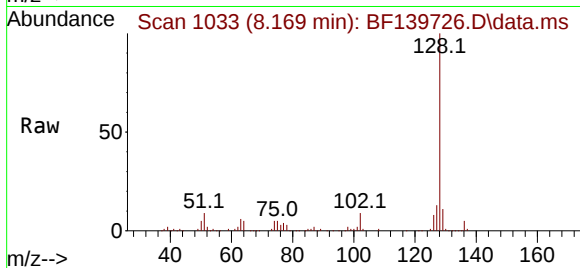
Ion Ratio Lower Upper

127 100

129 80.6 26.2 39.4#

65 0.0 29.3 43.9#

92 0.0 16.9 25.3#



#37

2-Methylnaphthalene

Concen: 2.037 ng

RT: 8.857 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF139726.D

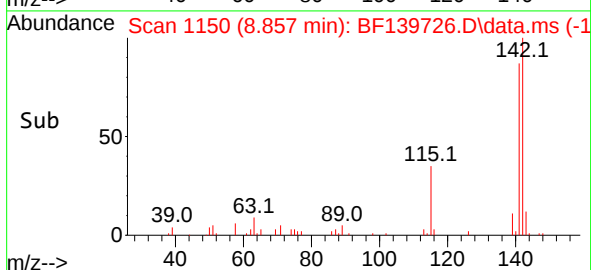
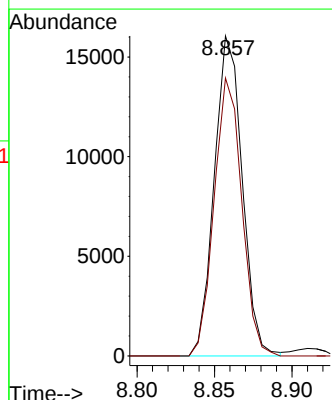
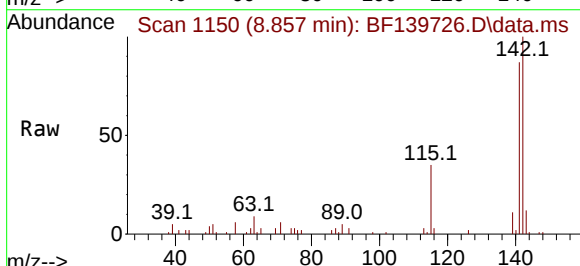
Acq: 09 Oct 2024 17:00

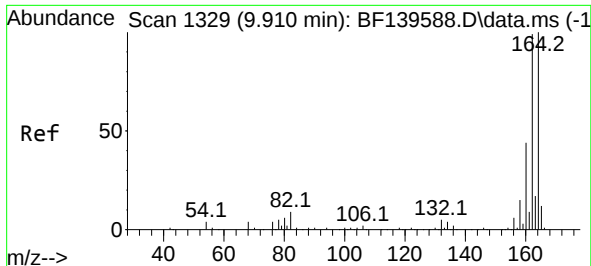
Tgt Ion:142 Resp: 20139

Ion Ratio Lower Upper

142 100

141 86.8 70.4 105.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

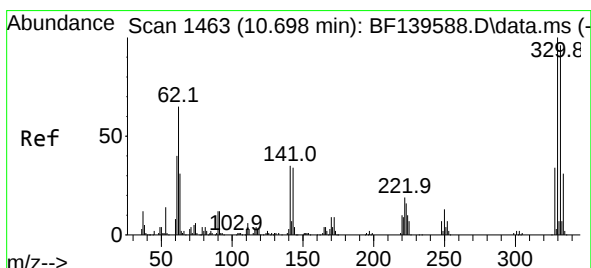
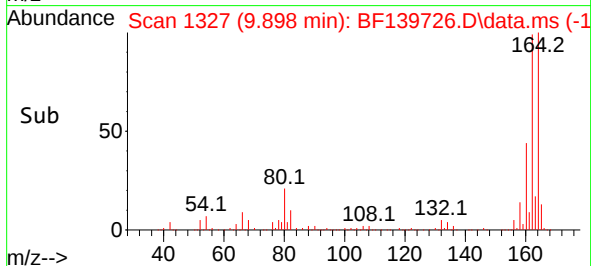
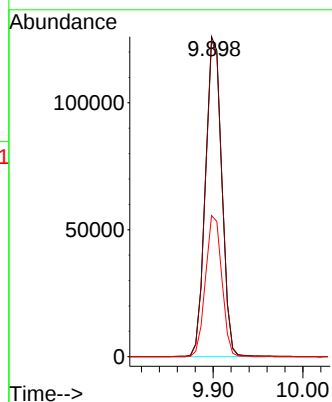
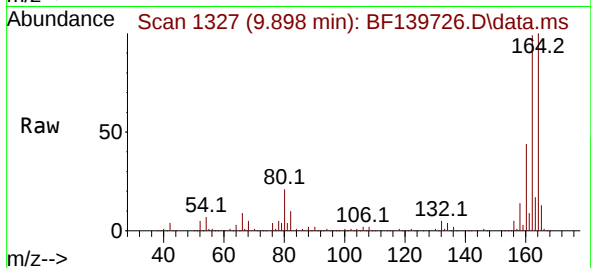
Tgt Ion:164 Resp: 159333

Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.0

160 44.1 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 0.524 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

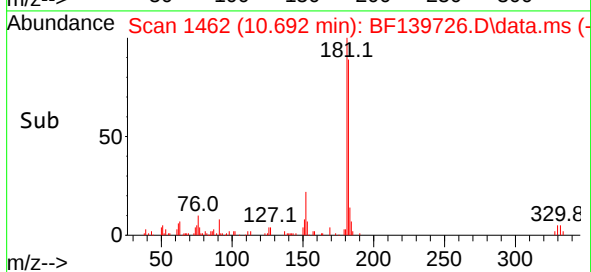
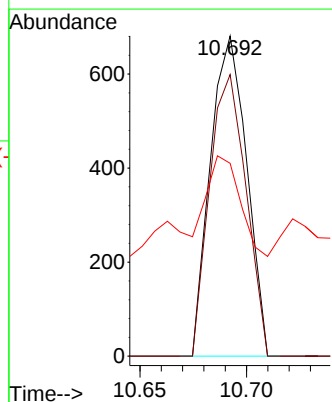
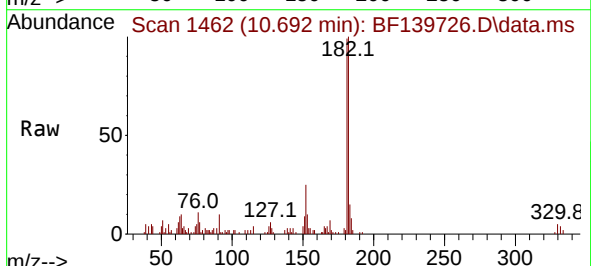
Tgt Ion:330 Resp: 806

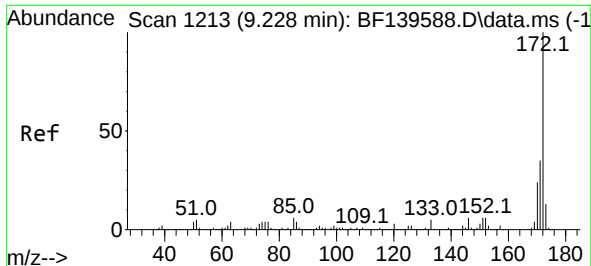
Ion Ratio Lower Upper

330 100

332 88.2 76.5 114.7

141 42.9 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 10.574 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

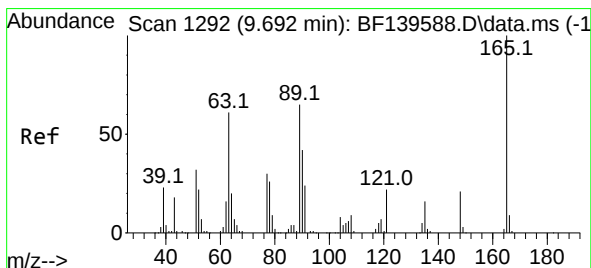
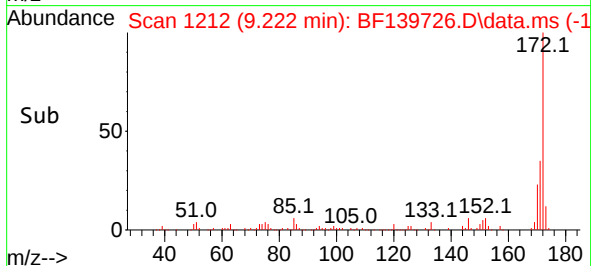
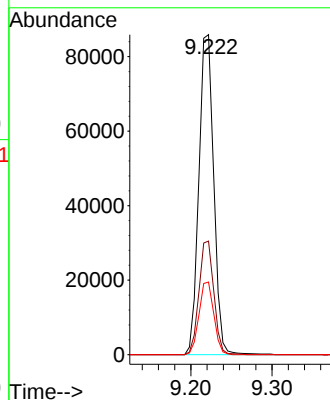
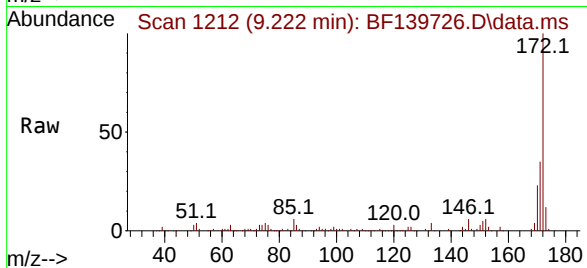
Tgt Ion:172 Resp: 109747

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 22.7 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.212 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

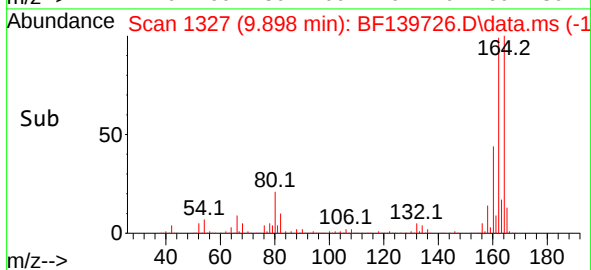
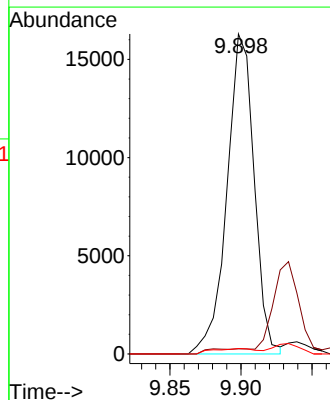
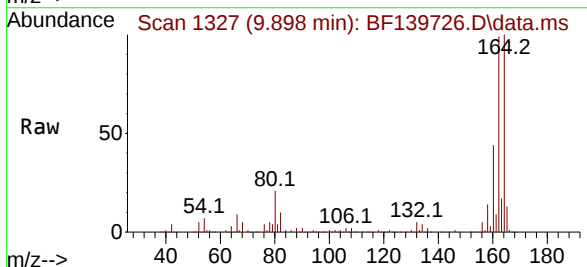
Tgt Ion:165 Resp: 21704

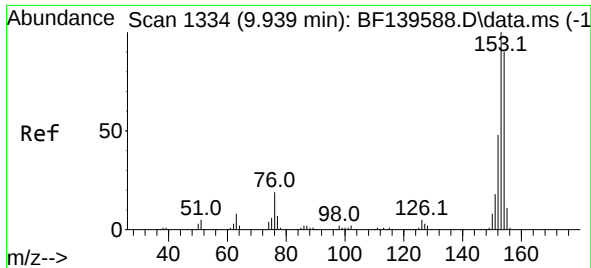
Ion Ratio Lower Upper

165 100

63 1.6 56.7 85.1#

89 1.7 51.6 77.4#





#52

Acenaphthene

Concen: 6.289 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

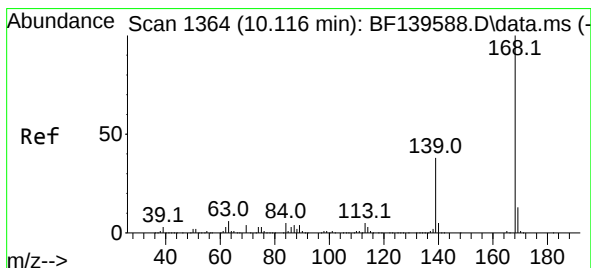
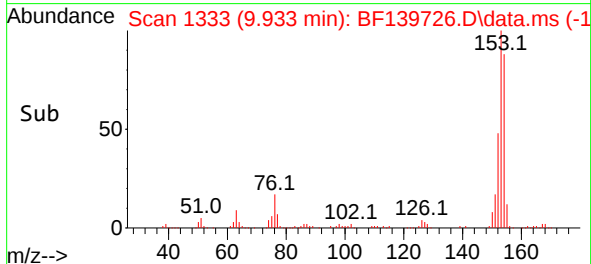
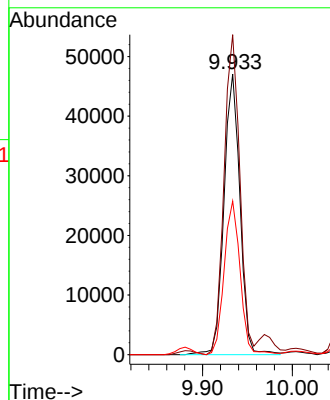
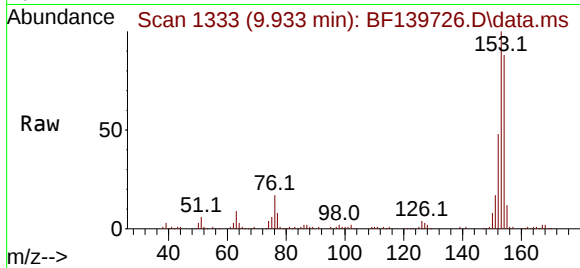
Tgt Ion:154 Resp: 58331

Ion Ratio Lower Upper

154 100

153 114.0 88.8 133.2

152 54.7 42.5 63.7



#55

Dibenzofuran

Concen: 3.631 ng

RT: 10.104 min Scan# 1362

Delta R.T. -0.012 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

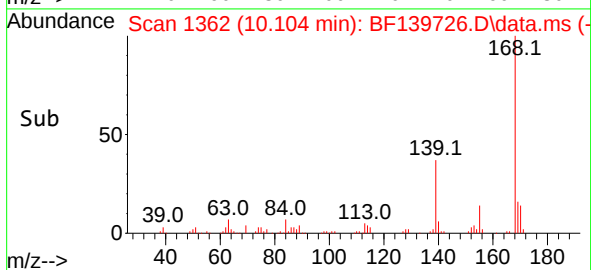
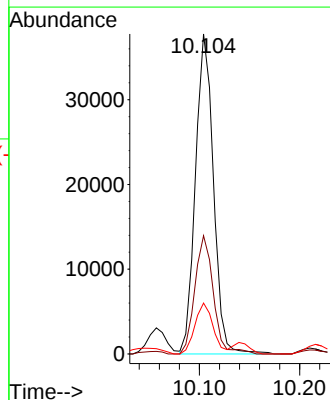
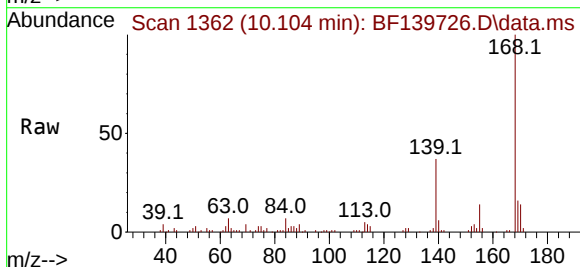
Tgt Ion:168 Resp: 47156

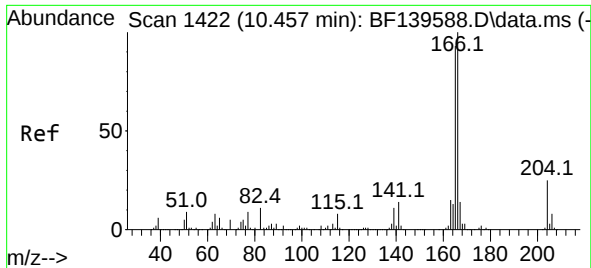
Ion Ratio Lower Upper

168 100

139 36.9 30.4 45.6

169 15.9 10.7 16.1

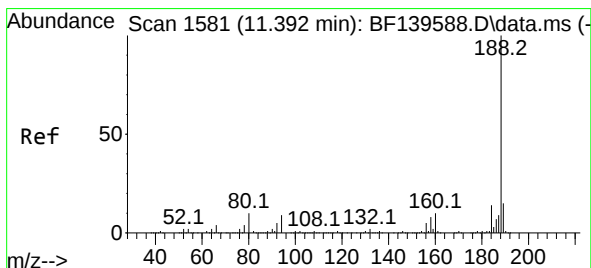
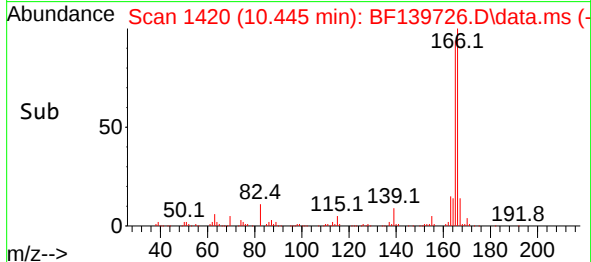
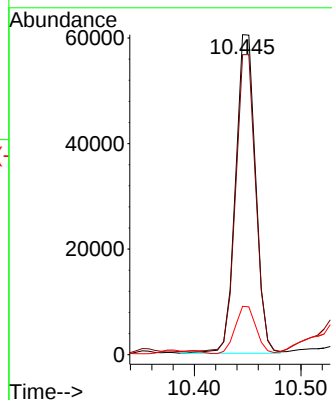
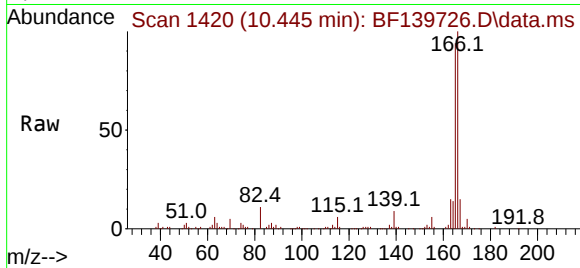




#58
Fluorene
Concen: 7.629 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

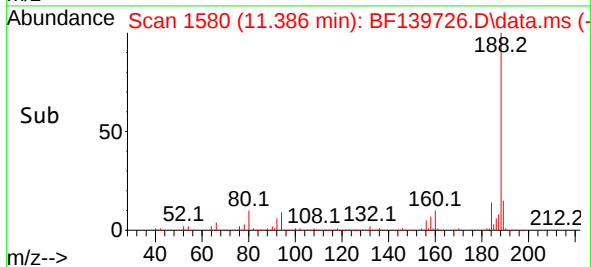
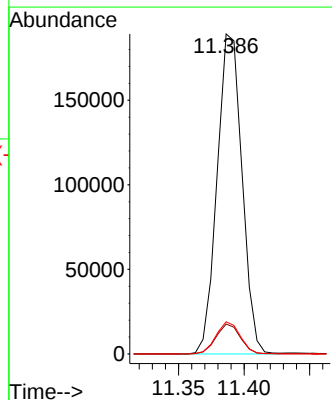
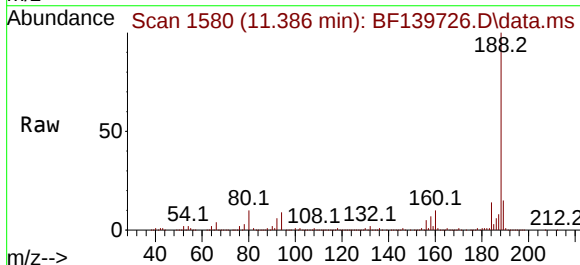
Instrument :
BNA_F
ClientSampleId :
1B-7

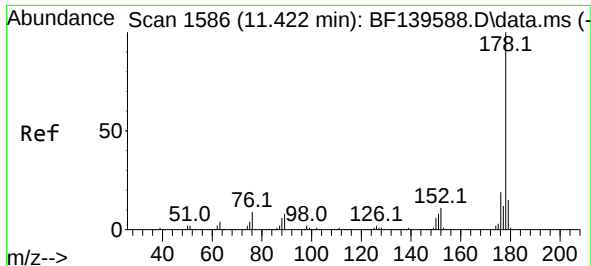
Tgt Ion:166 Resp: 78910
Ion Ratio Lower Upper
166 100
165 93.7 74.4 111.6
167 15.1 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion:188 Resp: 249802
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.0 8.2 12.2

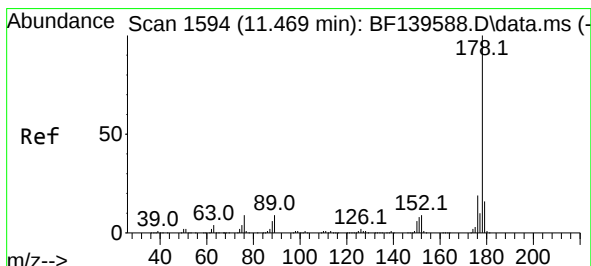
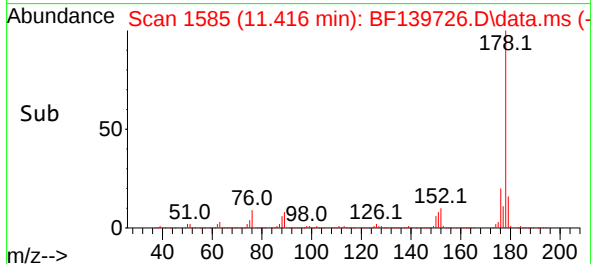
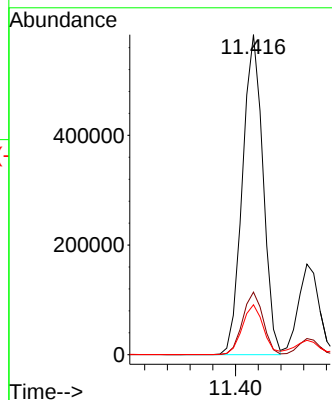
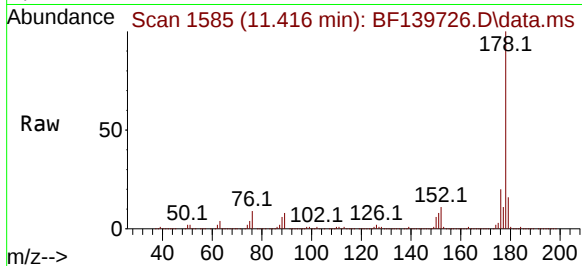




#71
Phenanthrene
Concen: 62.320 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

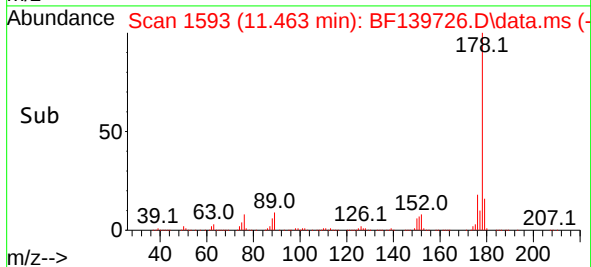
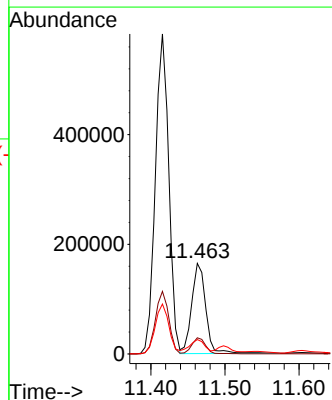
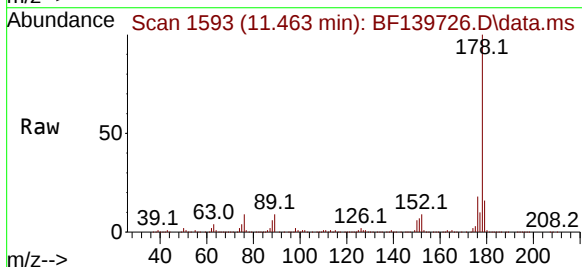
Instrument :
BNA_F
ClientSampleId :
1B-7

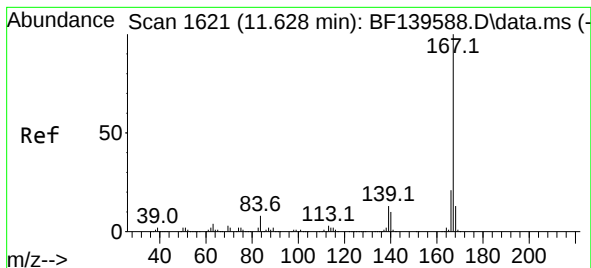
Tgt Ion:178 Resp: 734021
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.6 12.3 18.5



#72
Anthracene
Concen: 18.636 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion:178 Resp: 217159
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 16.0 12.5 18.7





#73

Carbazole

Concen: 4.114 ng

RT: 11.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

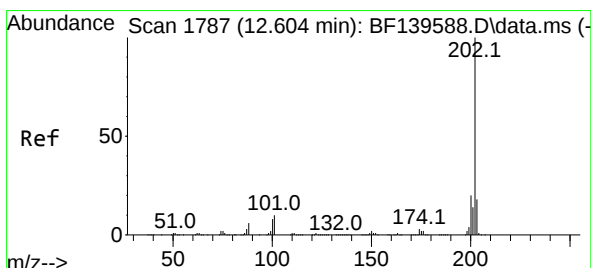
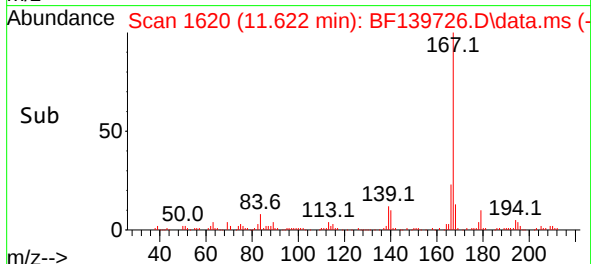
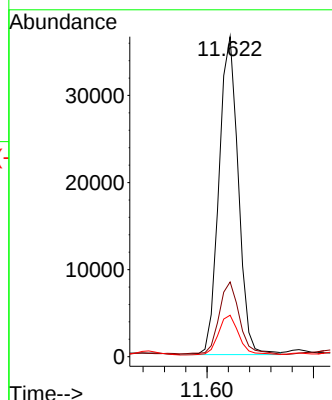
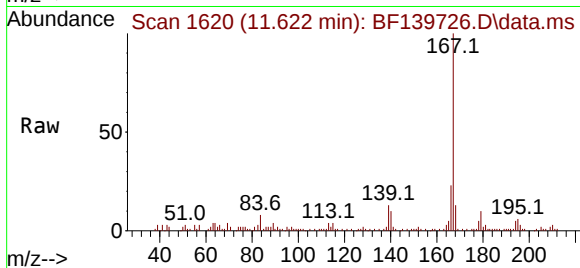
Tgt Ion:167 Resp: 46044

Ion Ratio Lower Upper

167 100

166 23.3 17.2 25.8

139 12.9 10.3 15.5



#75

Fluoranthene

Concen: 55.973 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

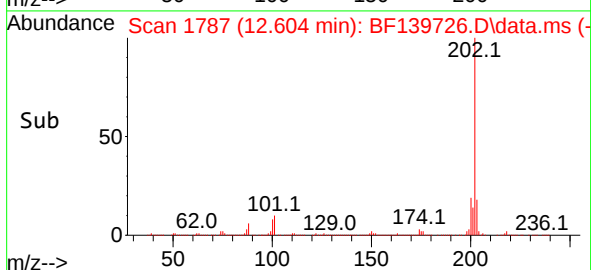
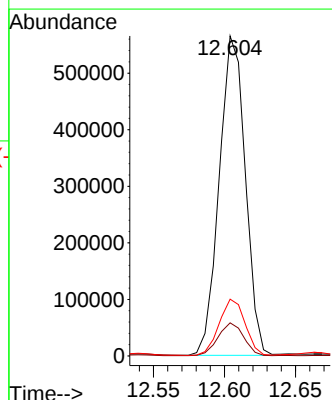
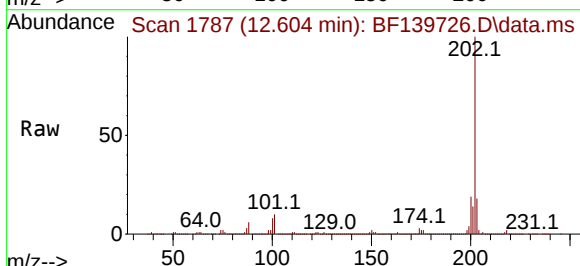
Tgt Ion:202 Resp: 720685

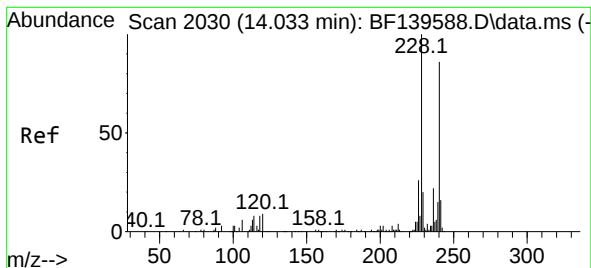
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.2

203 17.8 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: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

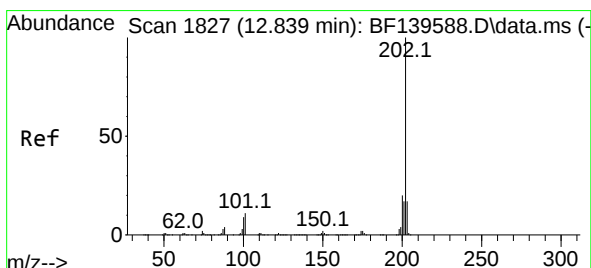
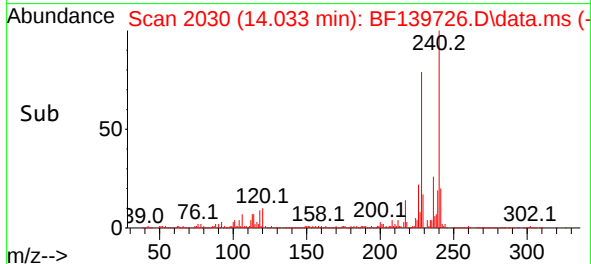
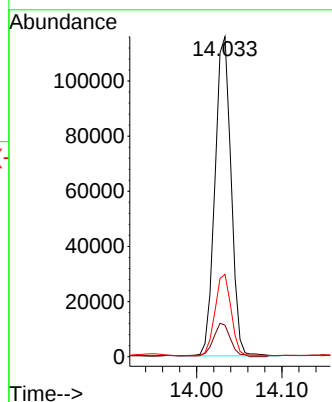
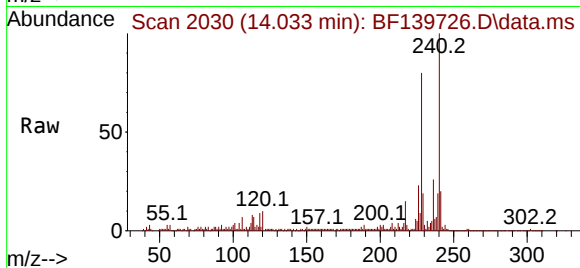
Tgt Ion:240 Resp: 151840

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

236 25.7 20.3 30.5



#78

Pyrene

Concen: 51.558 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

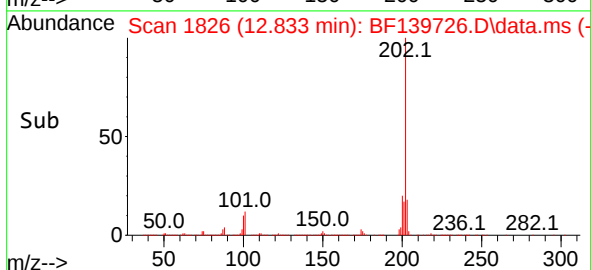
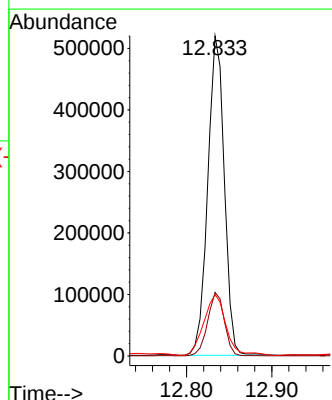
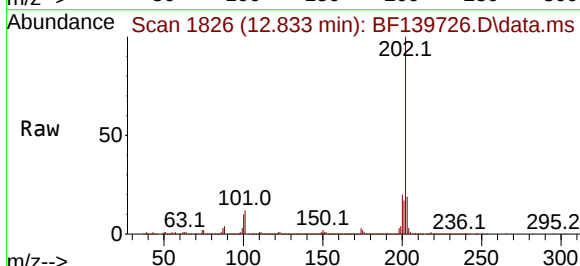
Tgt Ion:202 Resp: 700183

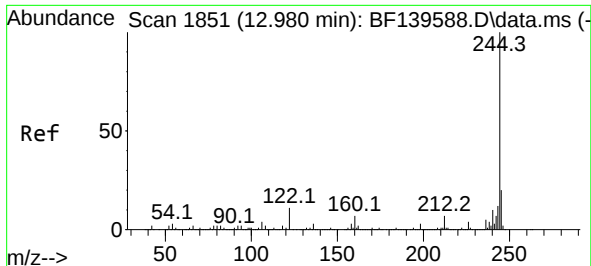
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.6

203 19.2 13.8 20.8

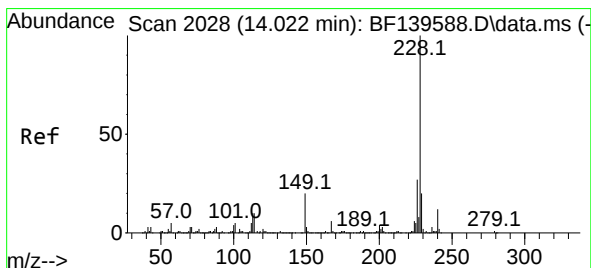
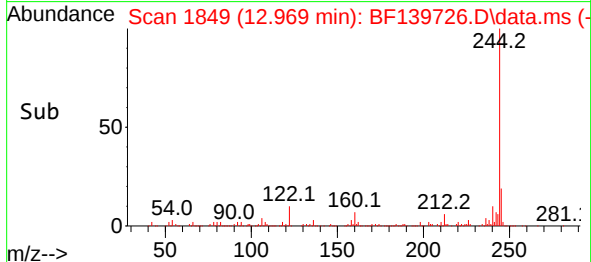
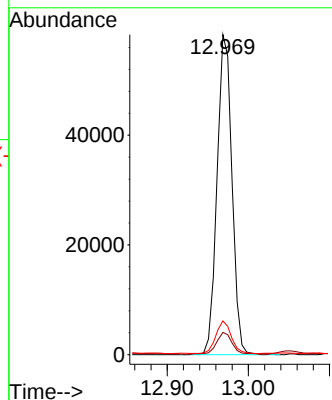
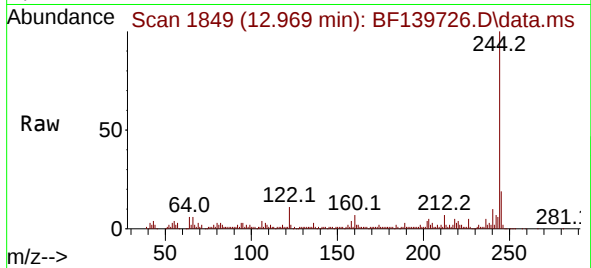




#79
 Terphenyl-d14
 Concen: 8.057 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.011 min
 Lab File: BF139726.D
 Acq: 09 Oct 2024 17:00

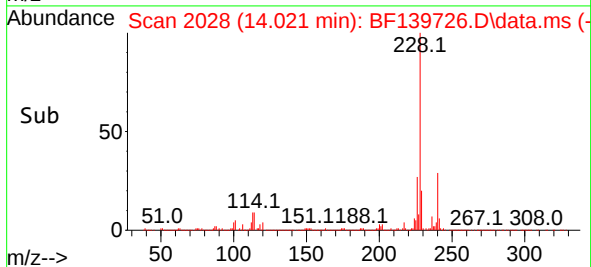
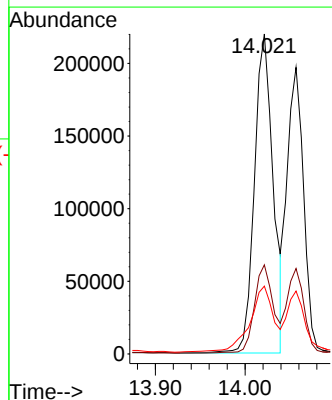
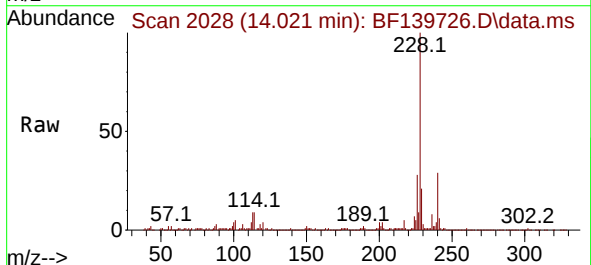
Instrument :
 BNA_F
 ClientSampleId :
 1B-7

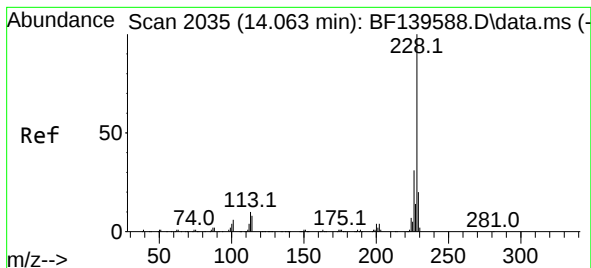
Tgt Ion:244 Resp: 74559
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.5 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 31.954 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139726.D
 Acq: 09 Oct 2024 17:00

Tgt Ion:228 Resp: 318993
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.8 32.8
 229 21.2 15.8 23.8





#83

Chrysene

Concen: 27.357 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

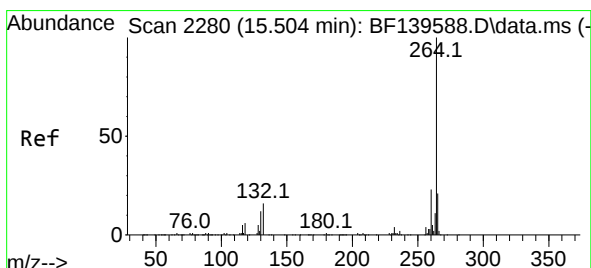
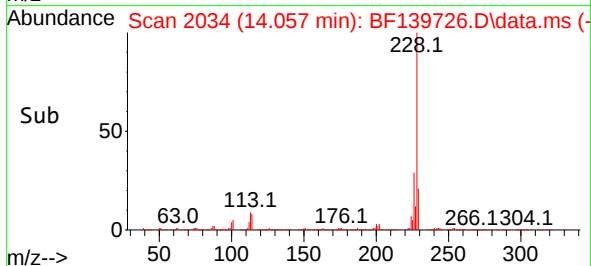
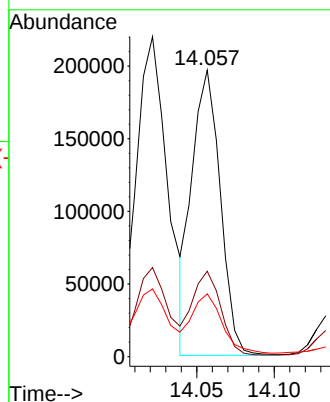
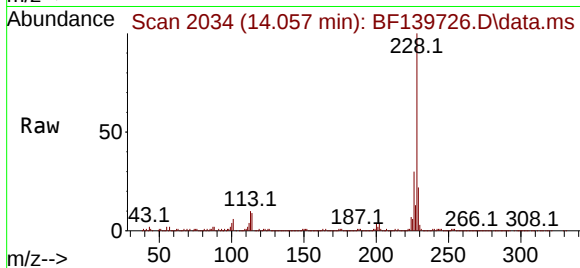
Tgt Ion:228 Resp: 249683

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

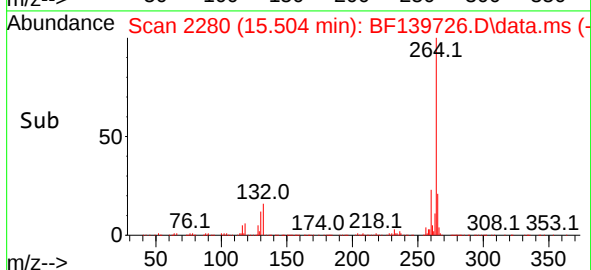
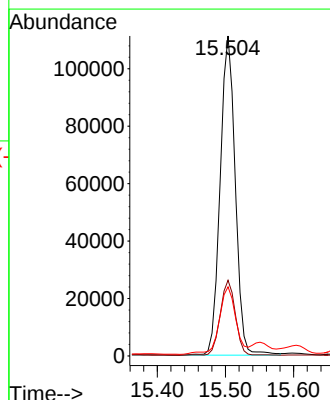
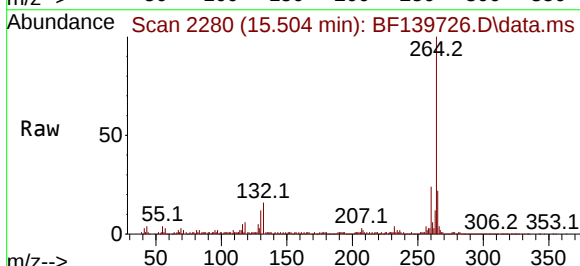
Tgt Ion:264 Resp: 171564

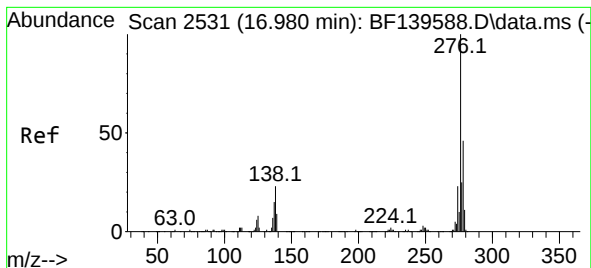
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.6 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.821 ng

RT: 16.974 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

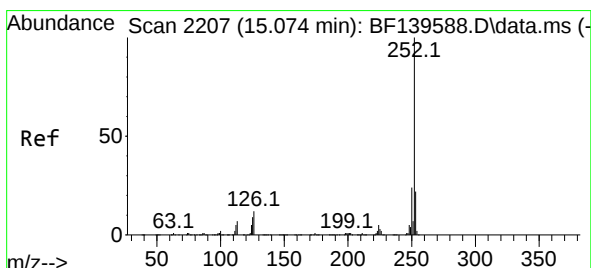
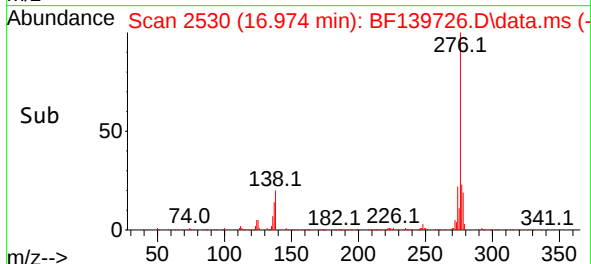
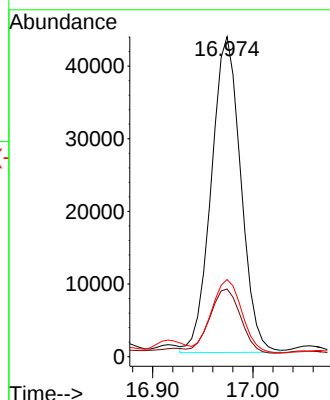
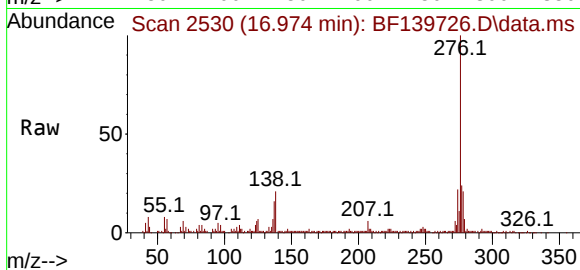
Tgt Ion:276 Resp: 89074

Ion Ratio Lower Upper

276 100

138 21.2 19.4 29.0

277 24.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 33.217 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

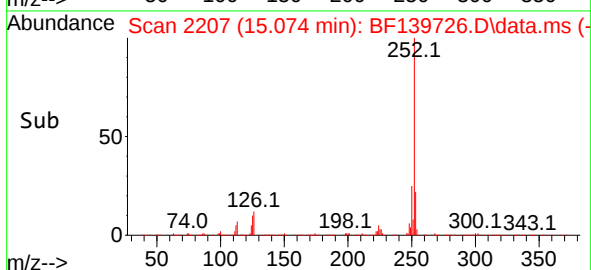
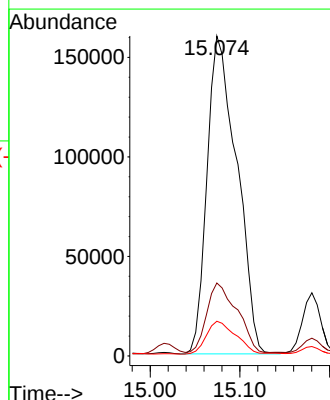
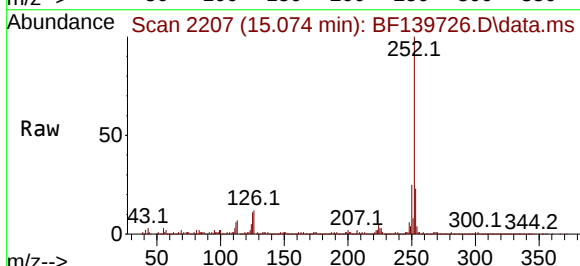
Tgt Ion:252 Resp: 368481

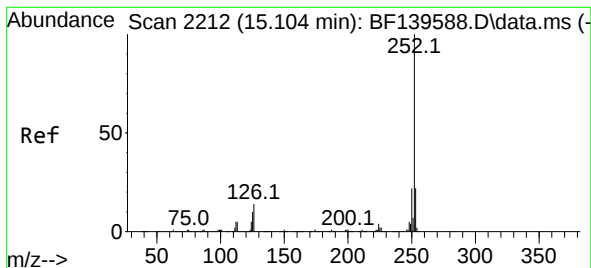
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 39.159 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

Instrument :

BNA_F

ClientSampleId :

1B-7

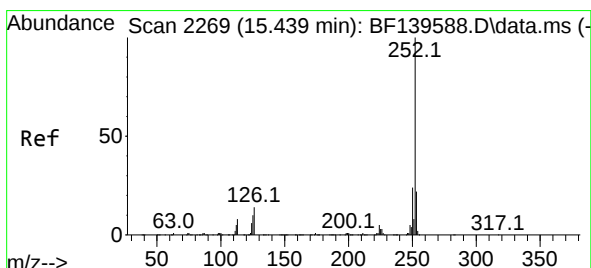
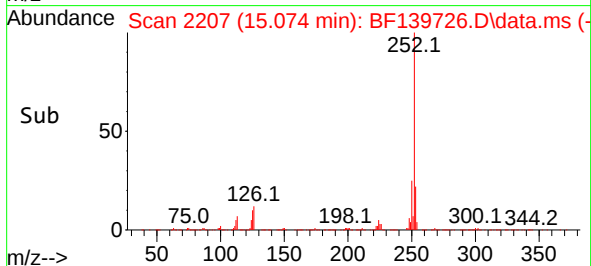
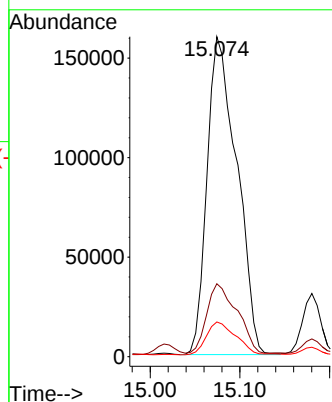
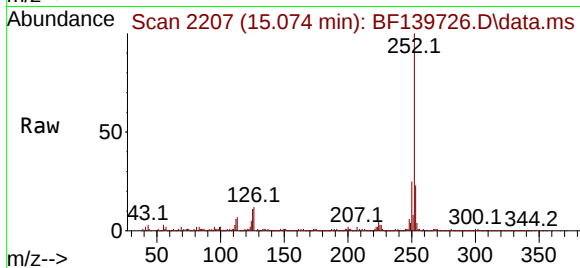
Tgt Ion:252 Resp: 368481

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.9 7.6 11.4



#90

Benzo(a)pyrene

Concen: 26.279 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF139726.D

Acq: 09 Oct 2024 17:00

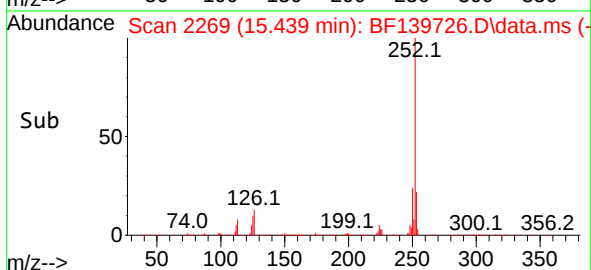
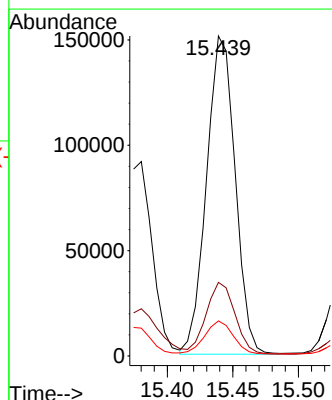
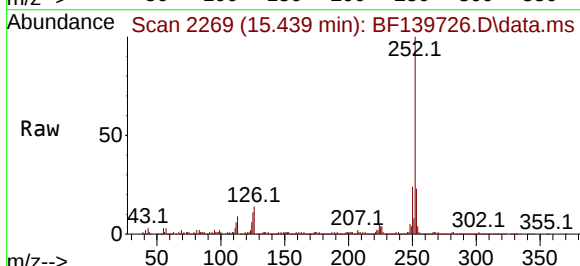
Tgt Ion:252 Resp: 229859

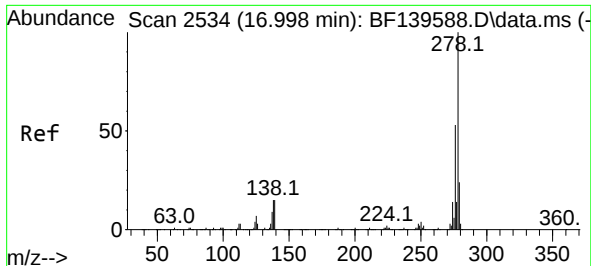
Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.0 8.3 12.5

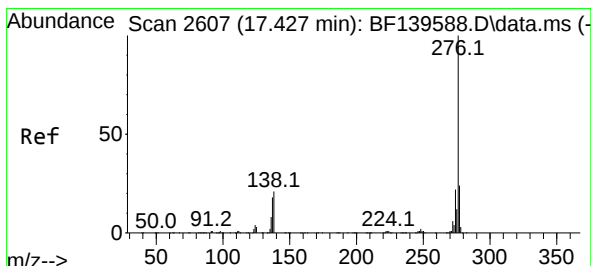
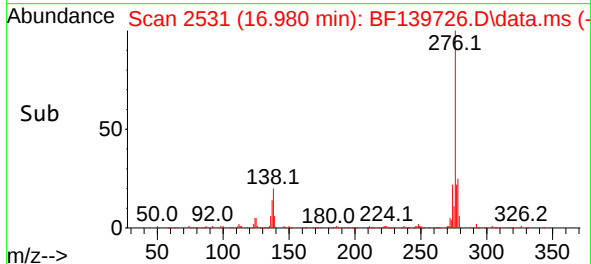
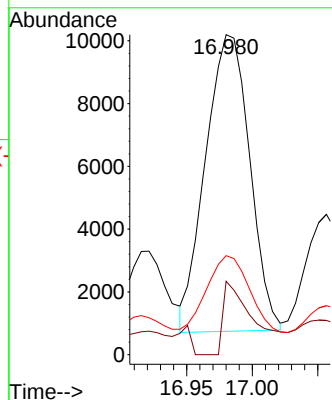
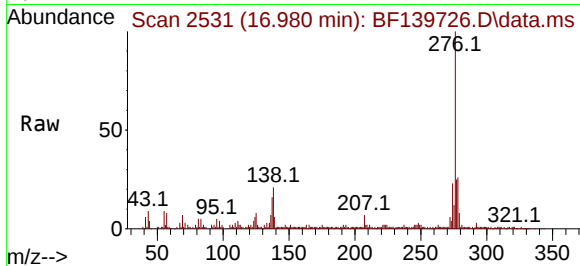




#91
Dibenzo(a,h)anthracene
Concen: 2.646 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Instrument :
BNA_F
ClientSampleId :
1B-7

Tgt Ion:278 Resp: 22158
Ion Ratio Lower Upper
278 100
139 22.9 12.2 18.4#
279 30.9 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 9.463 ng
RT: 17.421 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF139726.D
Acq: 09 Oct 2024 17:00

Tgt Ion:276 Resp: 79482
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.6
138 21.0 17.0 25.6

