

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139910.D
 Acq On : 21 Oct 2024 18:37
 Operator : RC/JU
 Sample : P4401-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101424RE

Quant Time: Oct 22 01:19:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

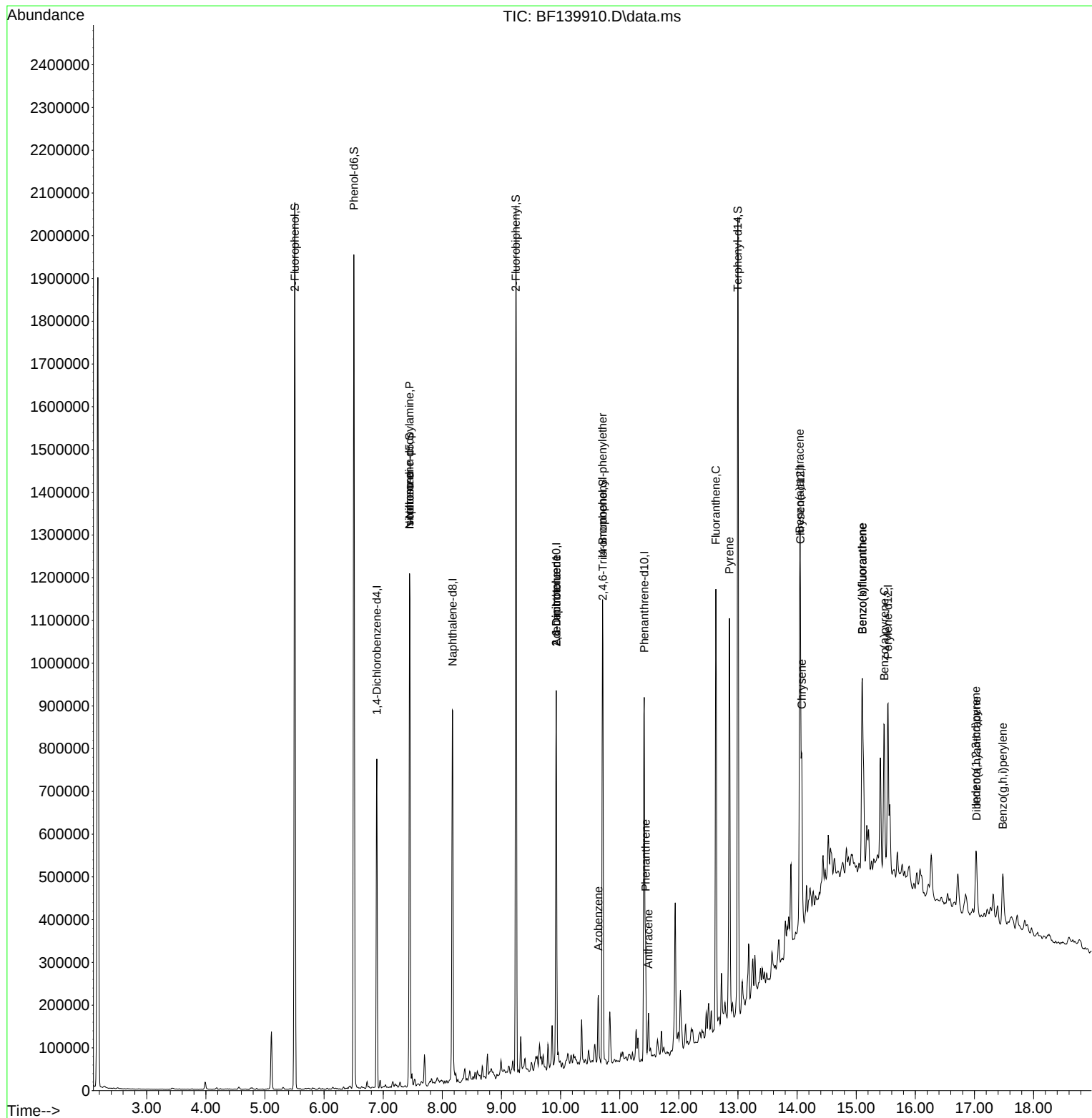
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	153433	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	529936	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	246349	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	450537	20.000	ng	0.00
76) Chrysene-d12	14.057	240	280448	20.000	ng	0.00
86) Perylene-d12	15.539	264	244237	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	743562	75.866	ng	0.00
7) Phenol-d6	6.504	99	888376	69.985	ng	0.00
23) Nitrobenzene-d5	7.445	82	516175	53.984	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	175978	76.370	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	857307	57.515	ng	0.00
79) Terphenyl-d14	12.998	244	898919	52.230	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	70967	9.218	ng	# 79
25) Isophorone	7.445	82	512546	28.243	ng	# 67
51) 2,6-Dinitrotoluene	9.927	165	33570	10.104	ng	# 22
57) 2,4-Dinitrotoluene	9.927	165	33570	8.217	ng	# 21
63) Azobenzene	10.639	77	37330	2.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11447	2.466	ng	# 1
71) Phenanthrene	11.439	178	152607	7.171	ng	98
72) Anthracene	11.486	178	56030	2.698	ng	98
75) Fluoranthene	12.627	202	564665	26.247	ng	99
78) Pyrene	12.857	202	525615	21.411	ng	100
81) Benzo(a)anthracene	14.045	228	276764	15.160	ng	94
83) Chrysene	14.080	228	214541	12.817	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	123438	7.856	ng	93
88) Benzo(b)fluoranthene	15.104	252	402913	27.081	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	402913	31.402	ng	# 95
90) Benzo(a)pyrene	15.474	252	218862	17.878	ng	96
91) Dibenzo(a,h)anthracene	17.039	278	29245	2.231	ng	# 80
92) Benzo(g,h,i)perylene	17.480	276	128497	9.814	ng	99

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

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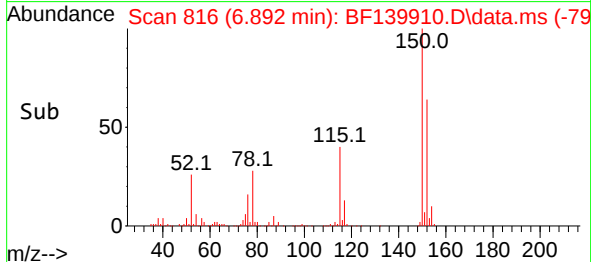
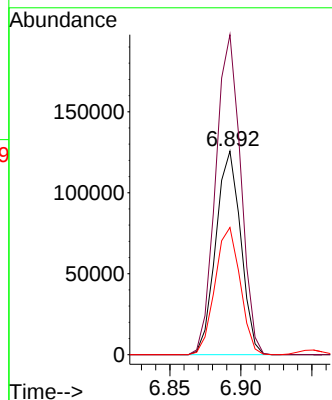
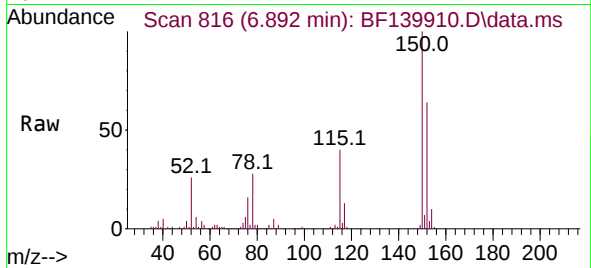




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

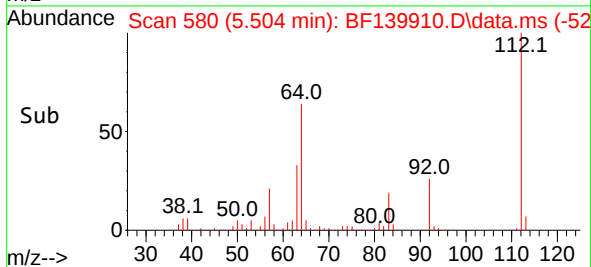
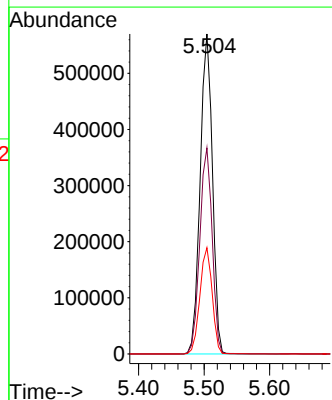
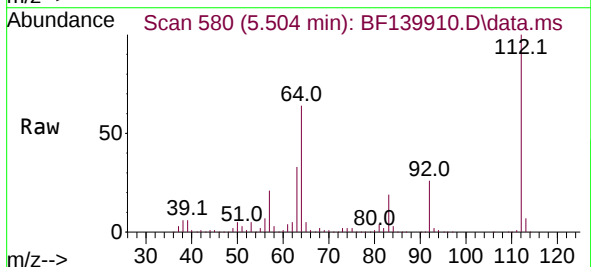
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

Tgt Ion:152 Resp: 153433
Ion Ratio Lower Upper
152 100
150 157.3 130.2 195.2
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 75.866 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

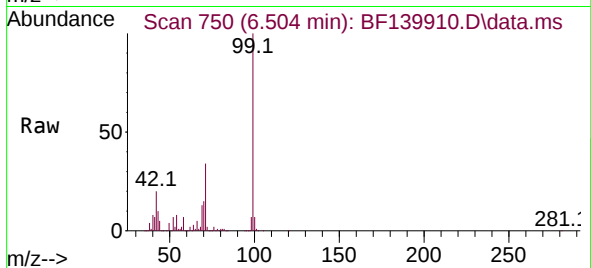
Tgt Ion:112 Resp: 743562
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.2 27.0 40.4



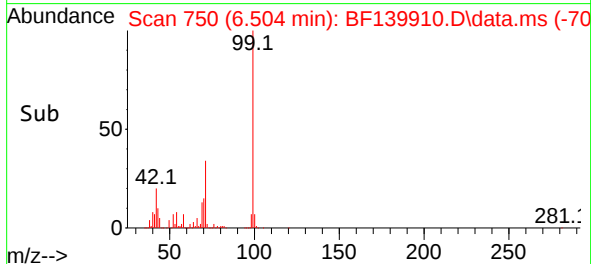
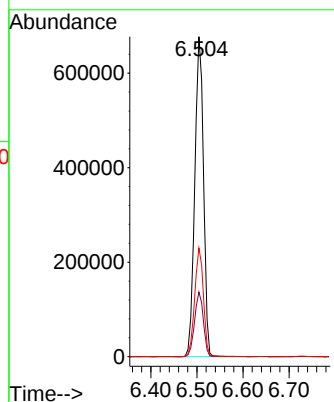


#7
Phenol-d6
Concen: 69.985 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

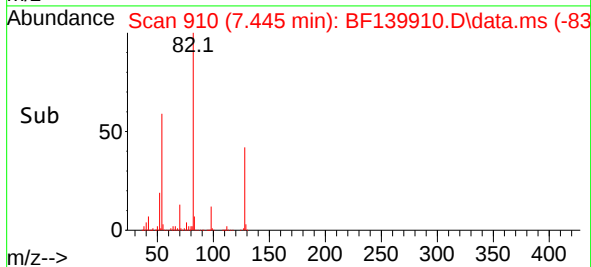
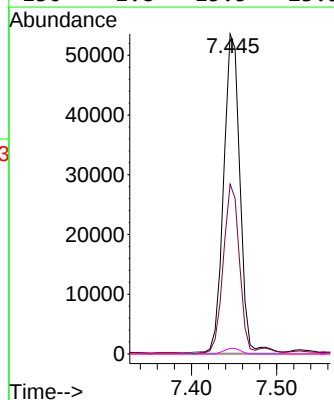
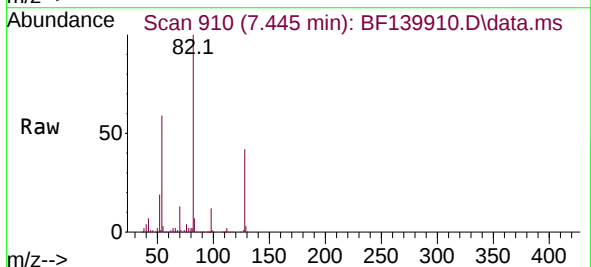


Tgt Ion: 99 Resp: 888376
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 34.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.218 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion: 70 Resp: 70967
Ion Ratio Lower Upper
70 100
42 53.0 51.5 77.3
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



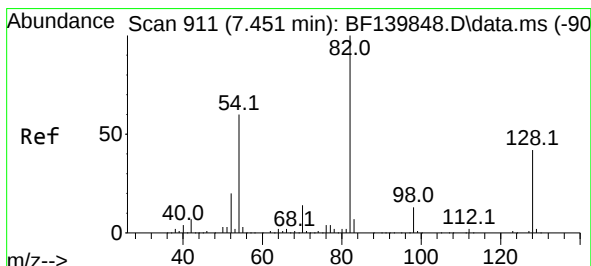
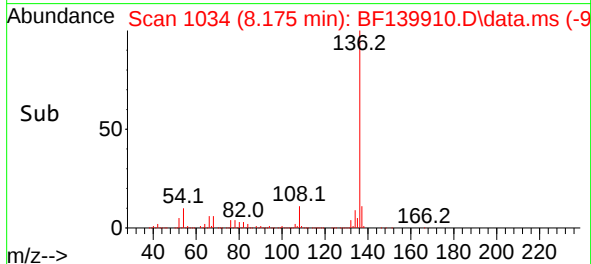
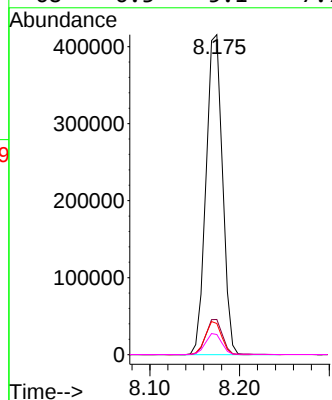
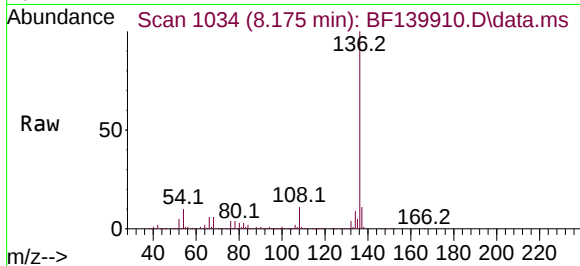


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

Tgt Ion:136 Resp: 529936

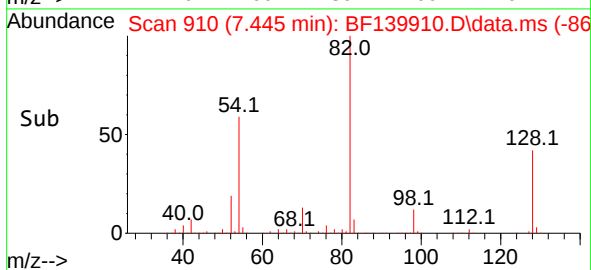
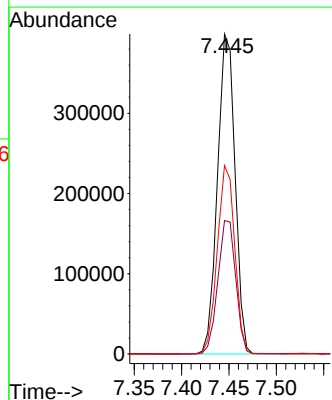
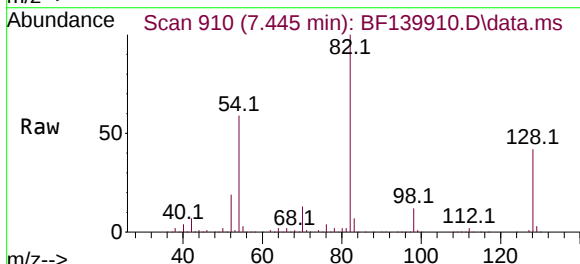
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 53.984 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion: 82 Resp: 516175

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	58.9	47.8	71.8

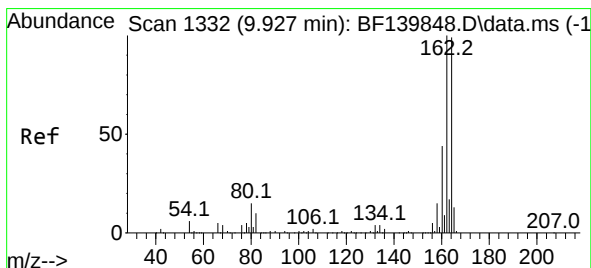
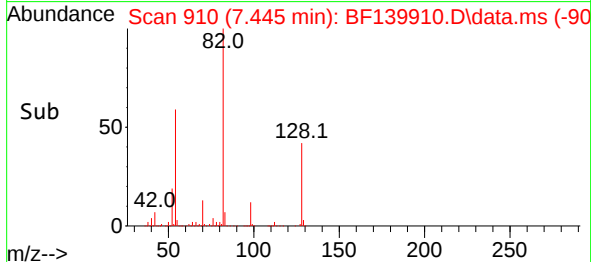
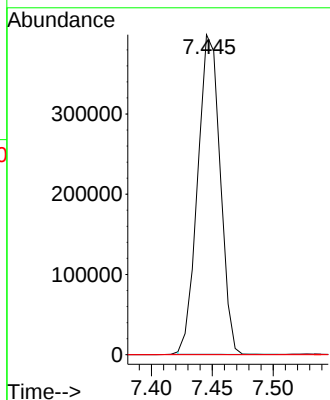
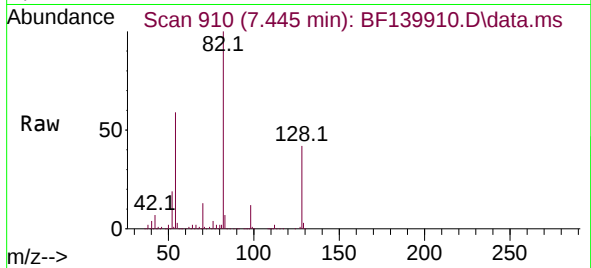




#25
Isophorone
Concen: 28.243 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

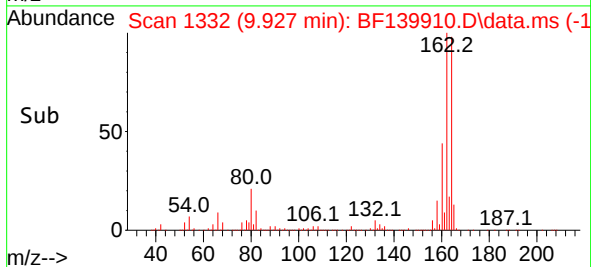
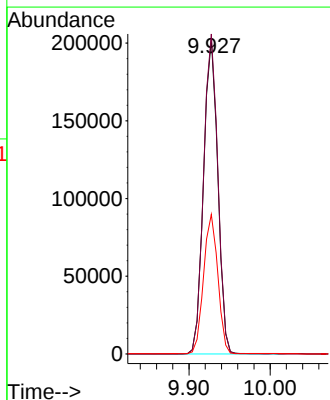
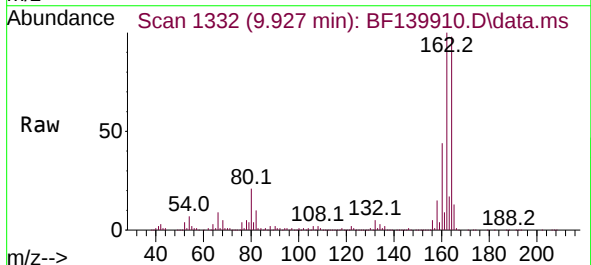
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

Tgt Ion: 82 Resp: 512546
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:164 Resp: 246349
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 44.4 35.4 53.0

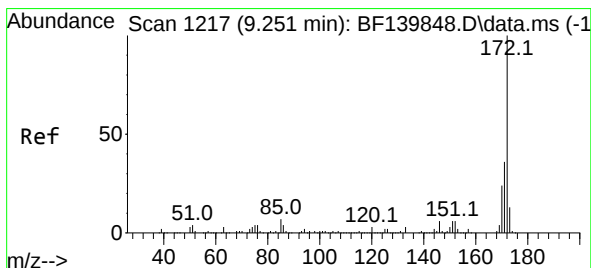
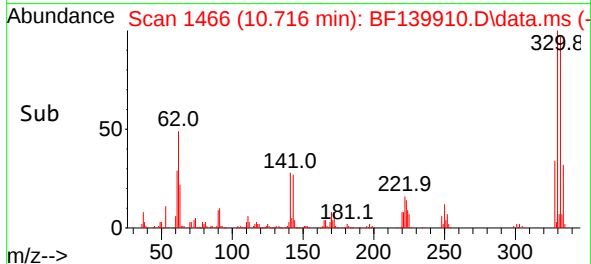
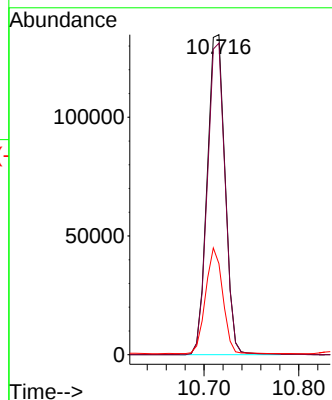
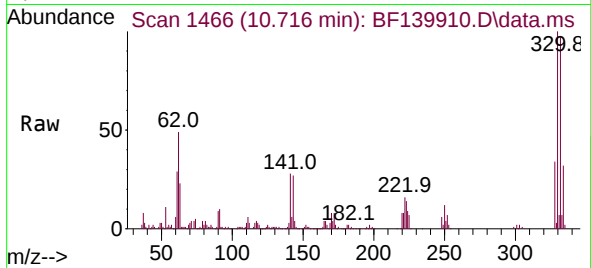




#42
2,4,6-Tribromophenol
Concen: 76.370 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

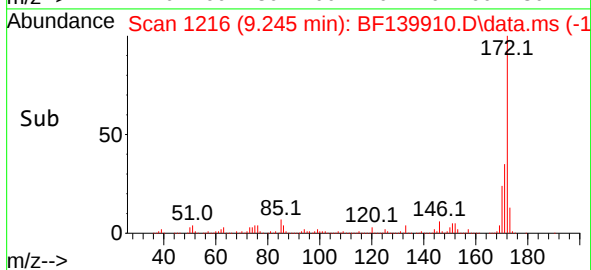
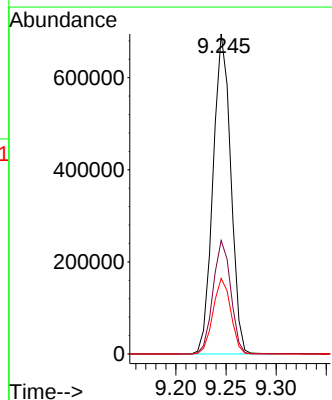
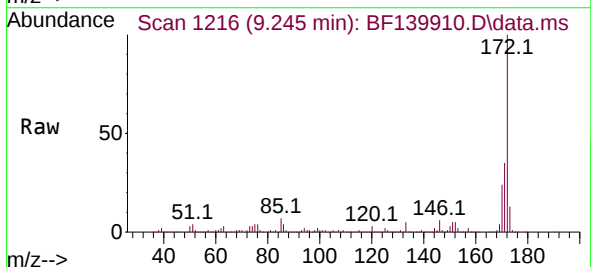
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

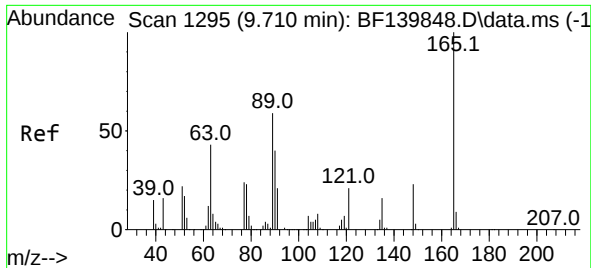
Tgt Ion:330 Resp: 175978
Ion Ratio Lower Upper
330 100
332 97.0 78.1 117.1
141 32.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 57.515 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:172 Resp: 857307
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 19.1 28.7

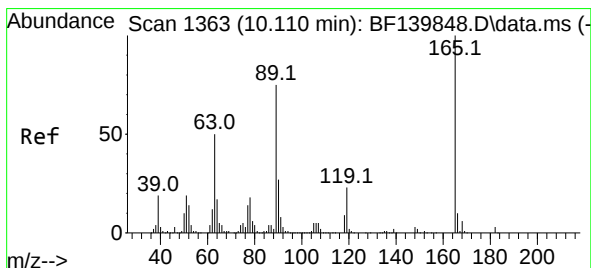
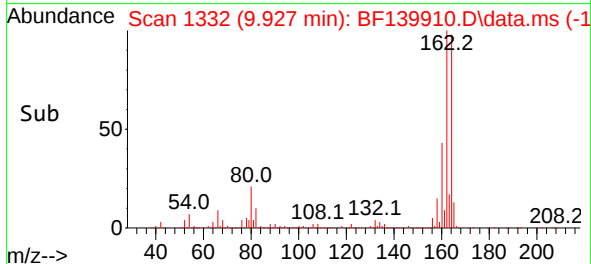
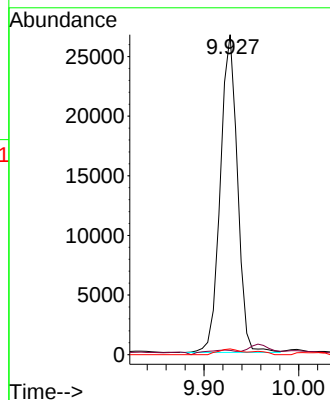
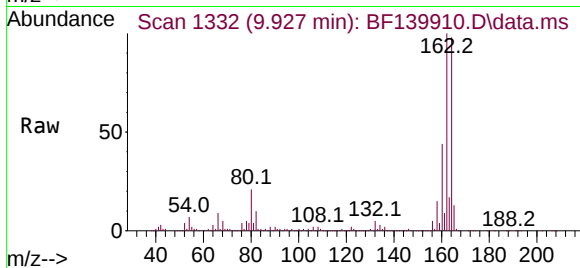




#51
2,6-Dinitrotoluene
Concen: 10.104 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

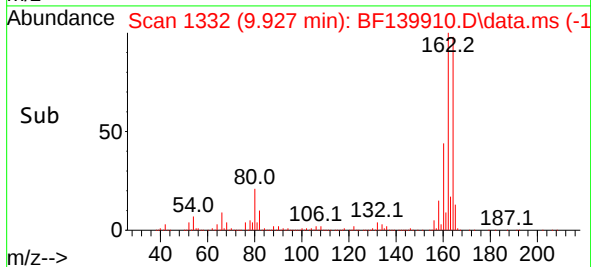
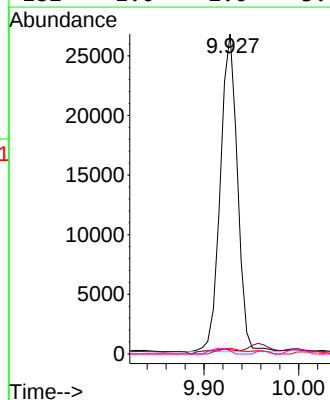
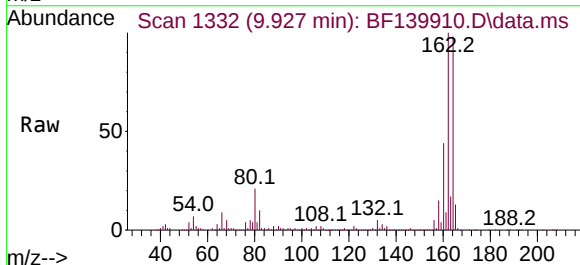
Instrument :
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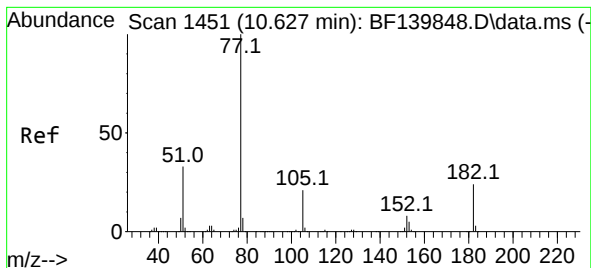
Tgt Ion:165 Resp: 33570
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.8 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.217 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:165 Resp: 33570
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.8 60.4 90.6#
182 1.0 2.0 3.0#





#63

Azobenzene

Concen: 2.337 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

Tgt Ion: 77 Resp: 37330

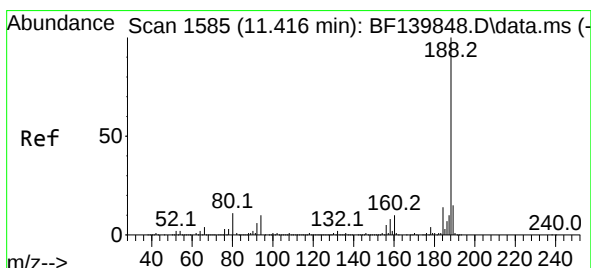
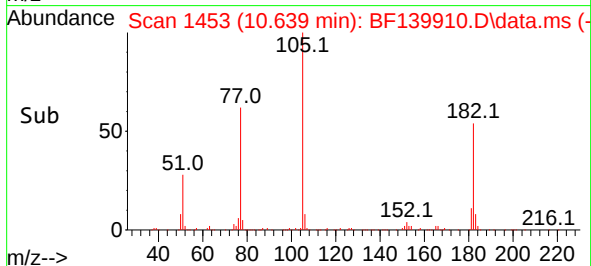
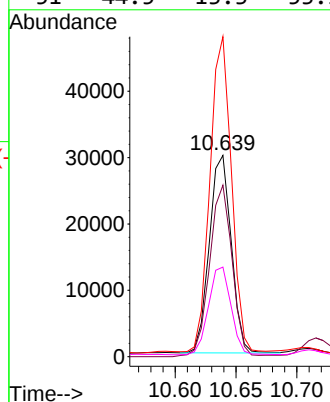
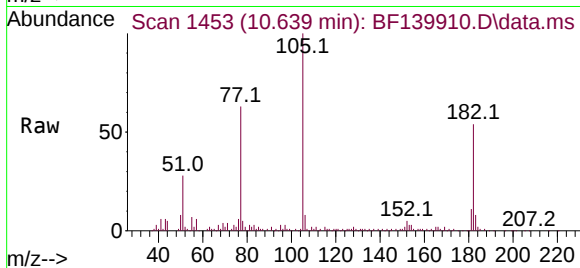
Ion Ratio Lower Upper

77 100

182 85.2 3.3 43.3#

105 158.9 1.2 41.2#

51 44.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

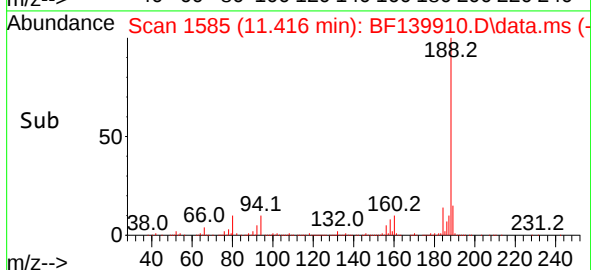
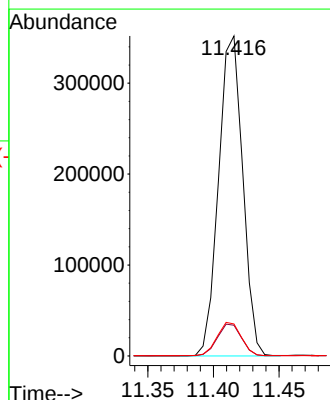
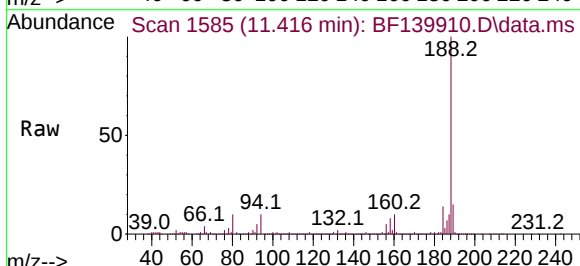
Tgt Ion:188 Resp: 450537

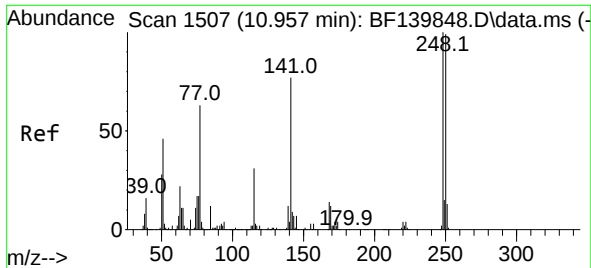
Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.0 9.0 13.4

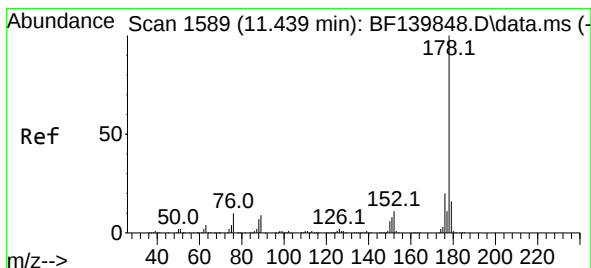
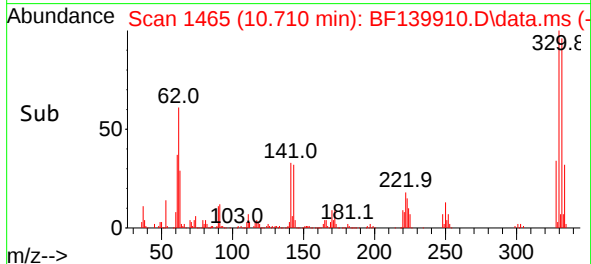
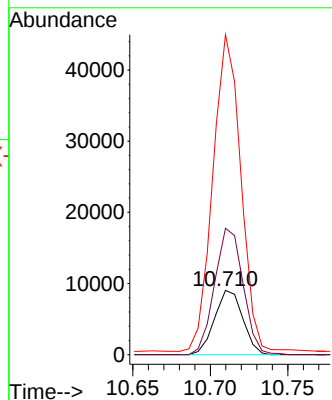
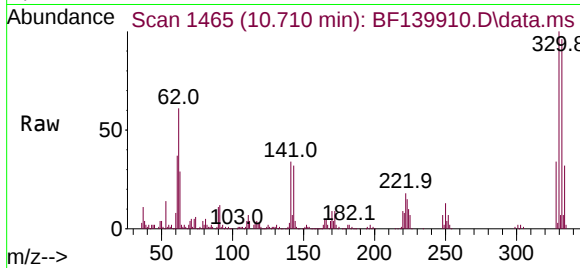




#67
4-Bromophenyl-phenylether
Concen: 2.466 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

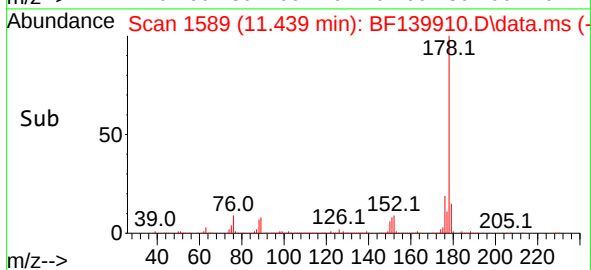
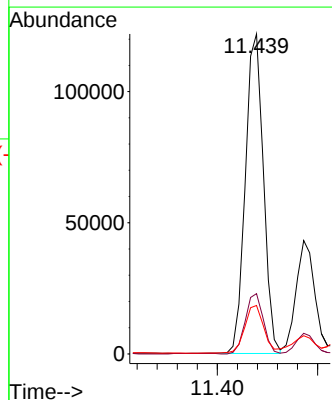
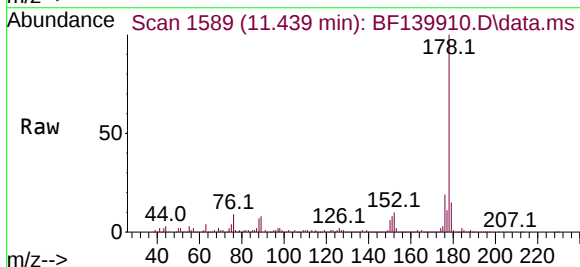
Instrument :
BNA_F
ClientSampleId :
SU-03-101424RE

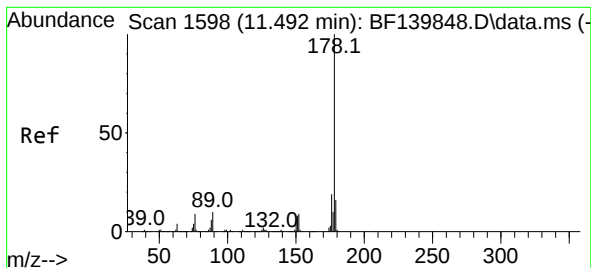
Tgt Ion:248 Resp: 11447
Ion Ratio Lower Upper
248 100
250 196.6 79.0 118.6#
141 497.8 61.7 92.5#



#71
Phenanthrene
Concen: 7.171 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139910.D
Acq: 21 Oct 2024 18:37

Tgt Ion:178 Resp: 152607
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.2 12.6 18.8





#72

Anthracene

Concen: 2.698 ng

RT: 11.486 min Scan# 1598

Delta R.T. -0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

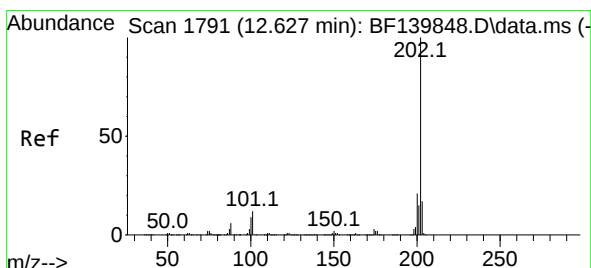
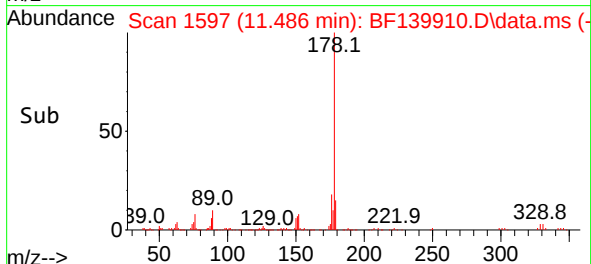
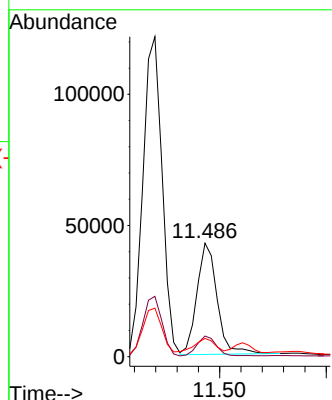
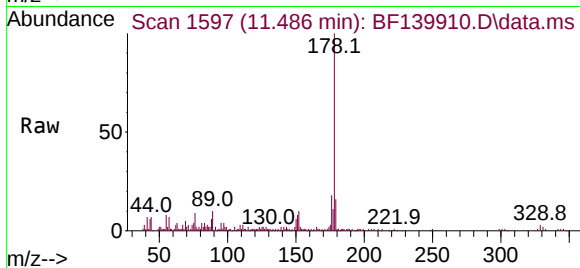
Tgt Ion:178 Resp: 56030

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 26.247 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

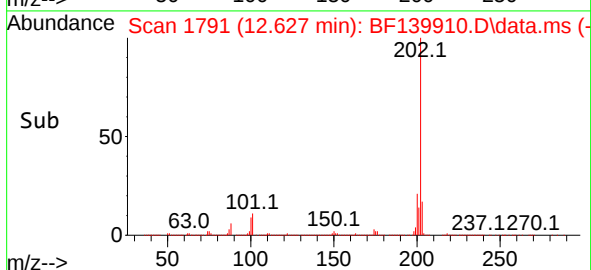
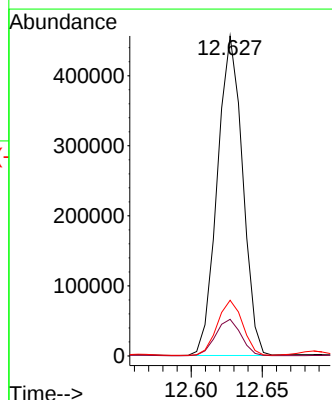
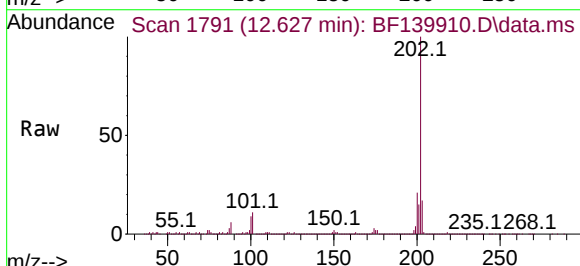
Tgt Ion:202 Resp: 564665

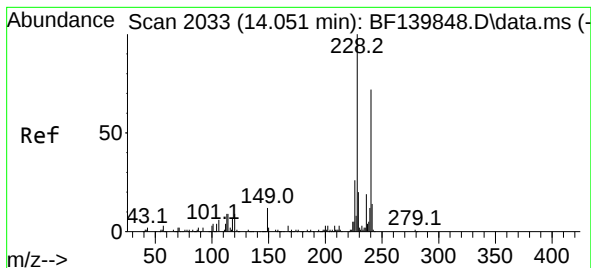
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.9

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

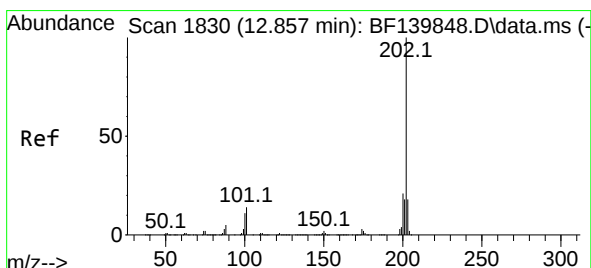
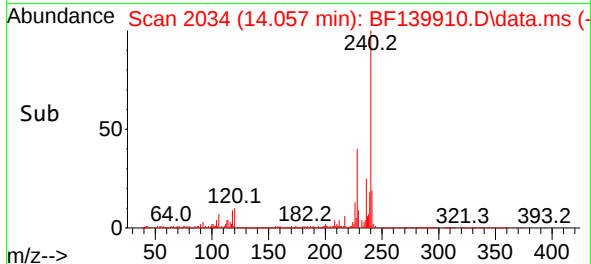
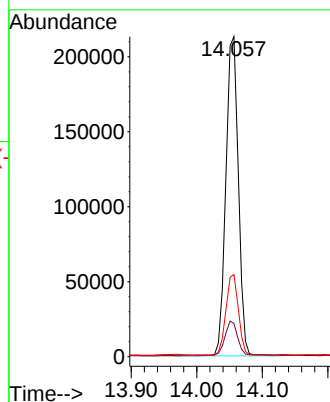
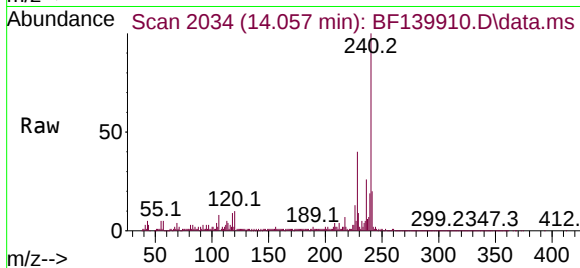
Tgt Ion:240 Resp: 280448

Ion Ratio Lower Upper

240 100

120 10.3 9.4 14.2

236 25.6 20.9 31.3



#78

Pyrene

Concen: 21.411 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

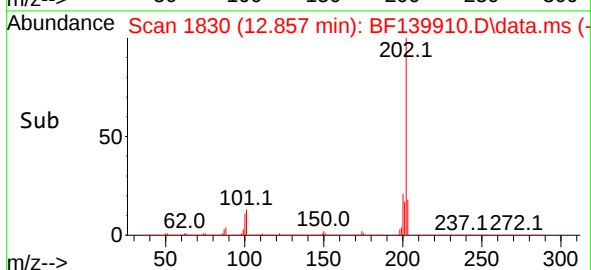
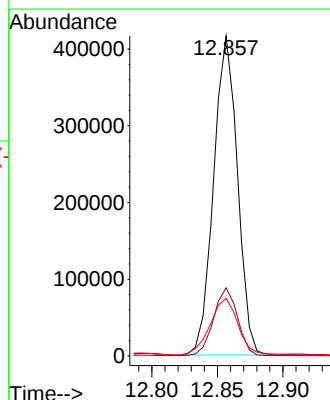
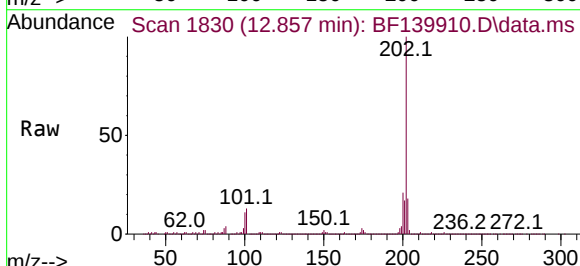
Tgt Ion:202 Resp: 525615

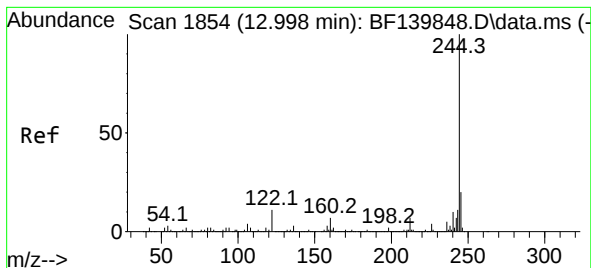
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 52.230 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

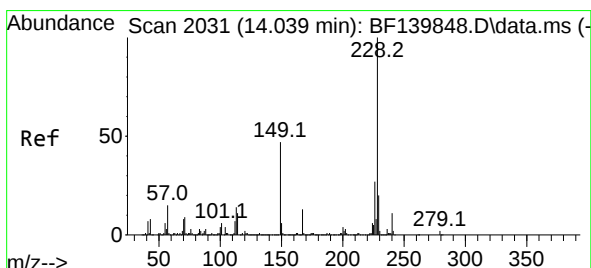
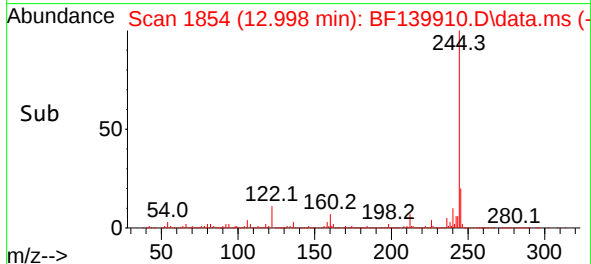
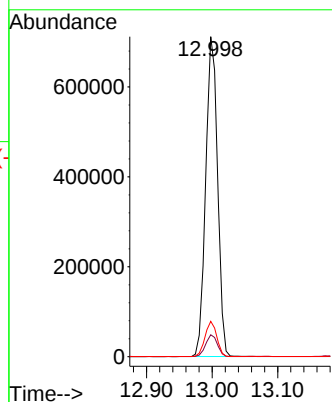
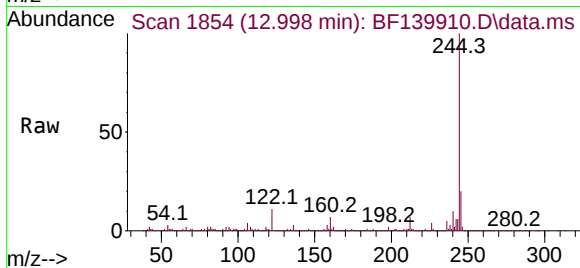
Tgt Ion:244 Resp: 898919

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.1 8.6 13.0



#81

Benzo(a)anthracene

Concen: 15.160 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

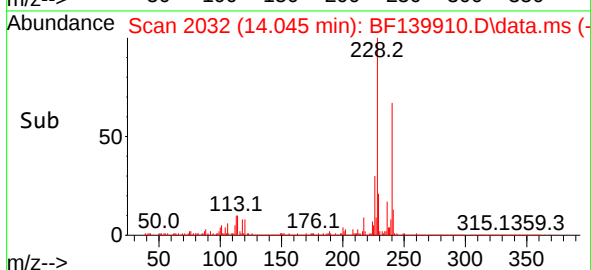
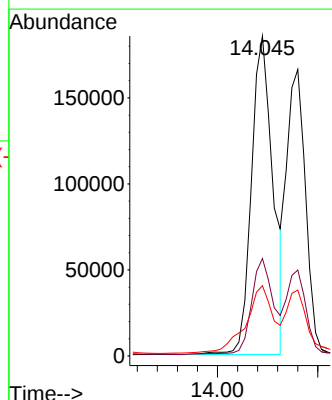
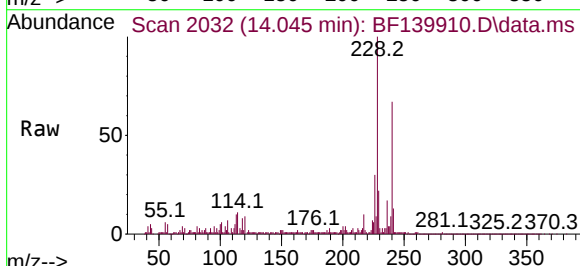
Tgt Ion:228 Resp: 276764

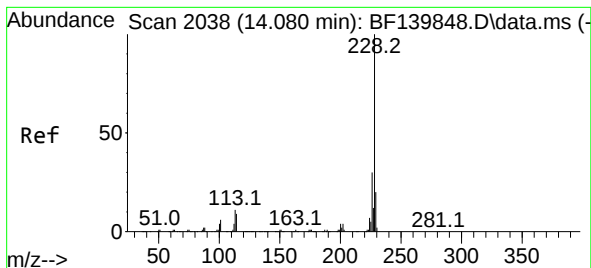
Ion Ratio Lower Upper

228 100

226 30.5 21.6 32.4

229 22.0 16.1 24.1





#83

Chrysene

Concen: 12.817 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

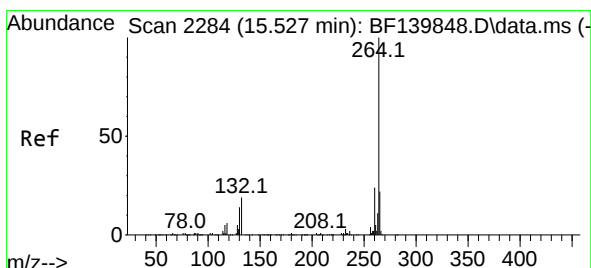
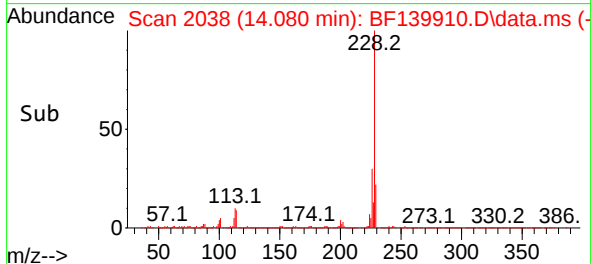
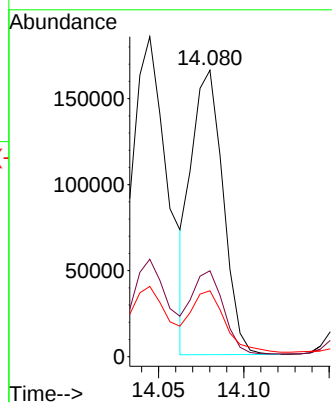
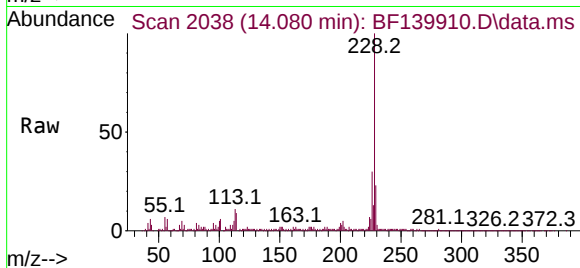
Tgt Ion:228 Resp: 214541

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 23.0 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.012 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

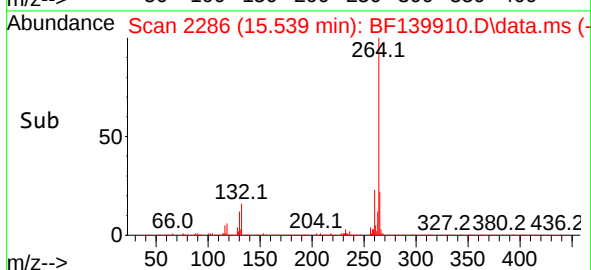
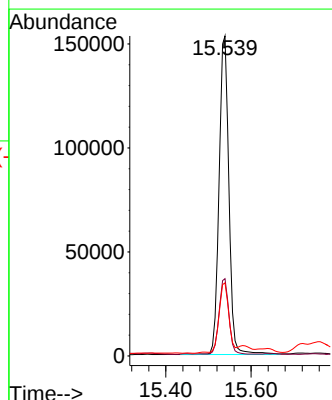
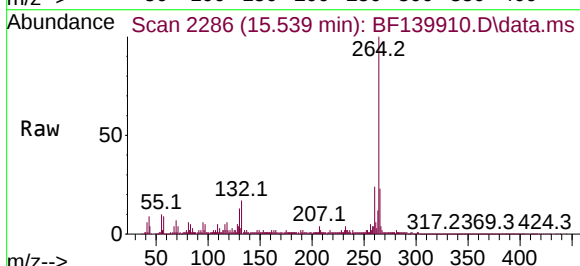
Tgt Ion:264 Resp: 244237

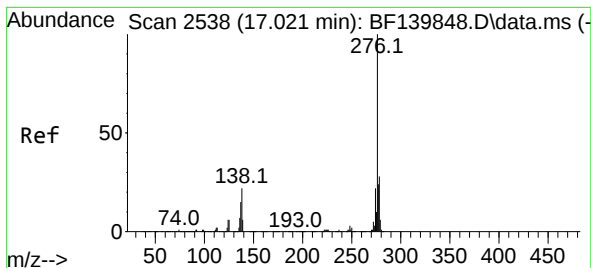
Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.856 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

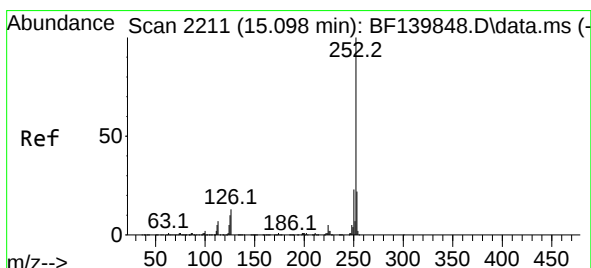
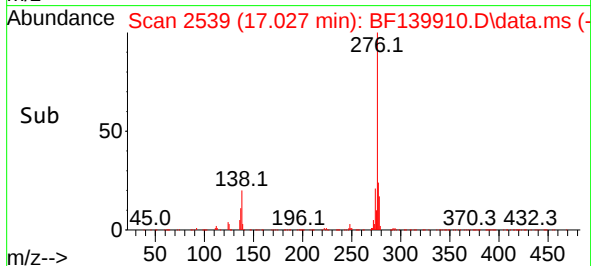
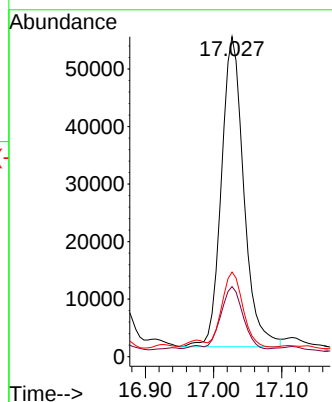
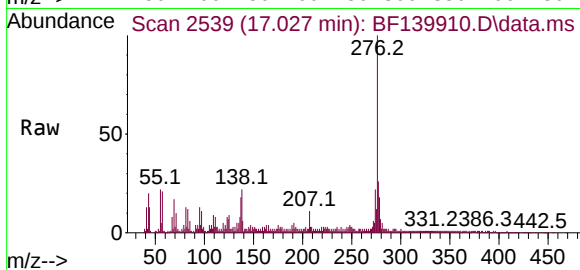
Tgt Ion:276 Resp: 123438

Ion Ratio Lower Upper

276 100

138 20.5 20.4 30.6

277 22.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 27.081 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

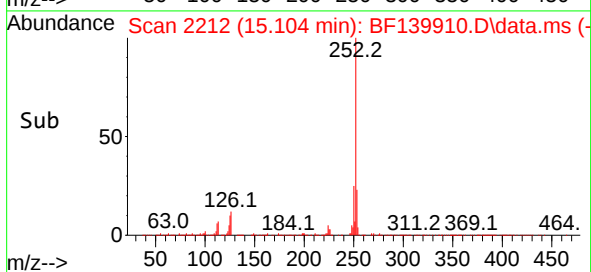
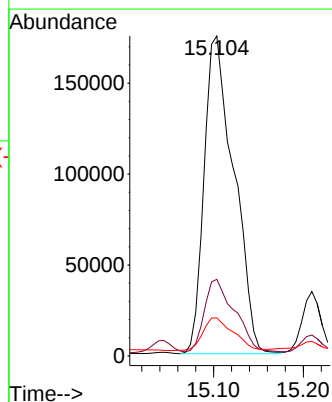
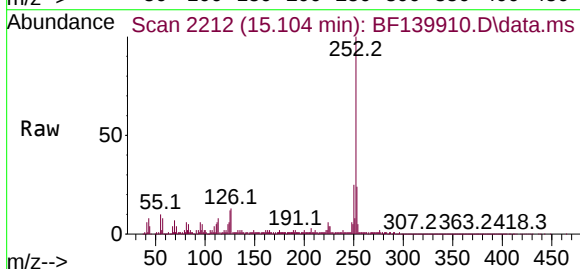
Tgt Ion:252 Resp: 402913

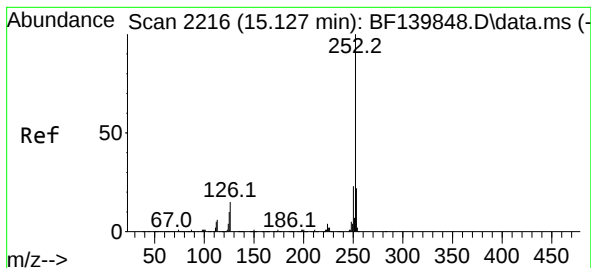
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 11.9 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 31.402 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

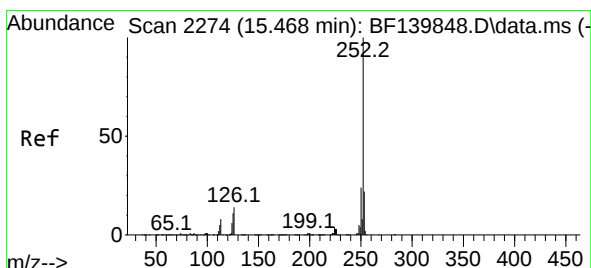
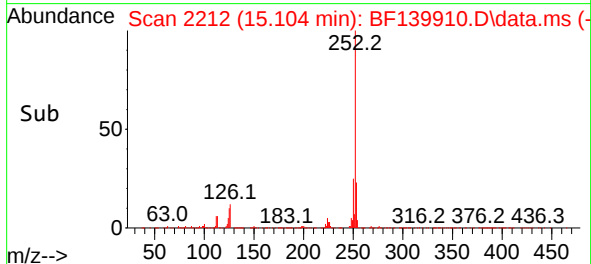
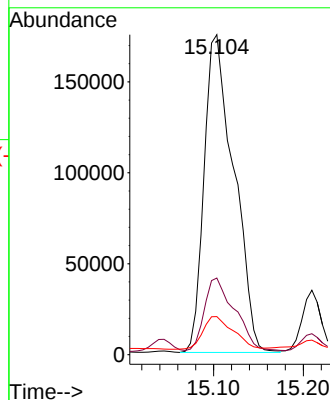
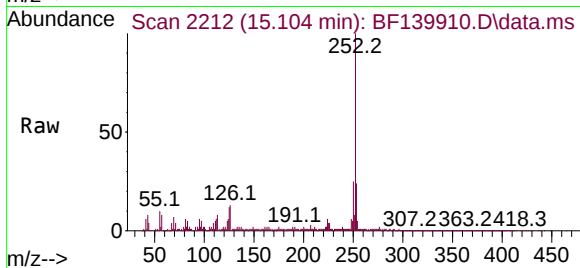
Tgt Ion:252 Resp: 402913

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 11.9 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 17.878 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

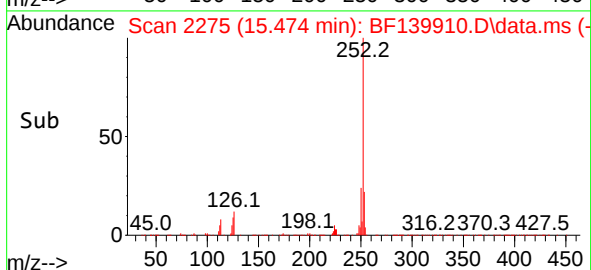
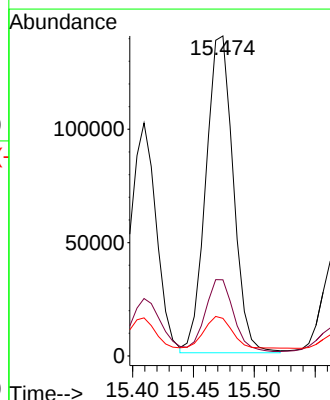
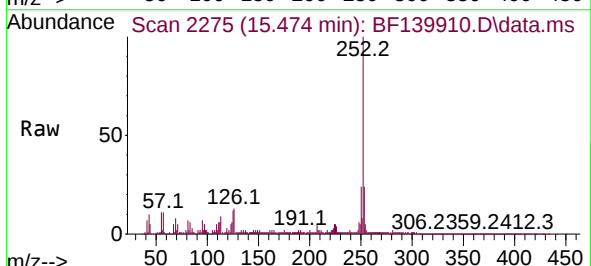
Tgt Ion:252 Resp: 218862

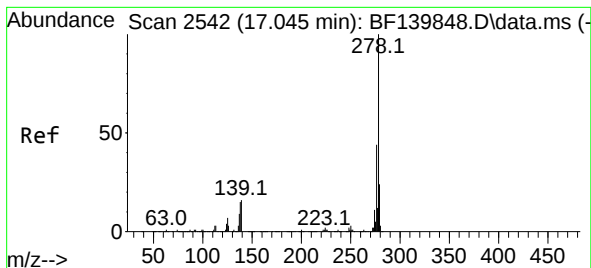
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 11.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.231 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

SU-03-101424RE

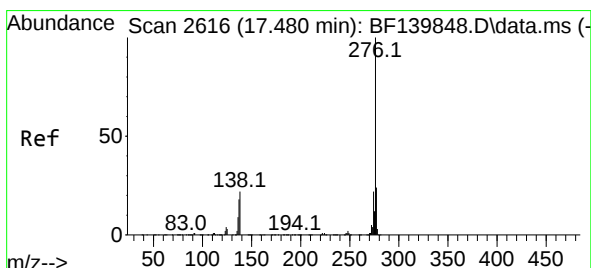
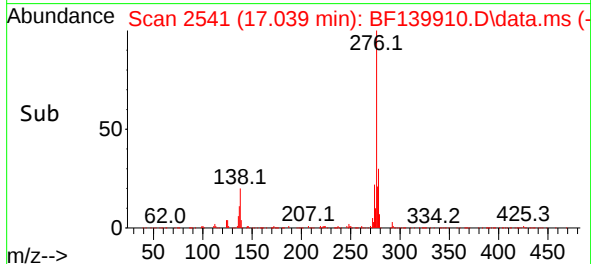
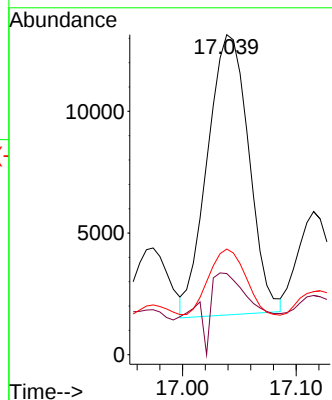
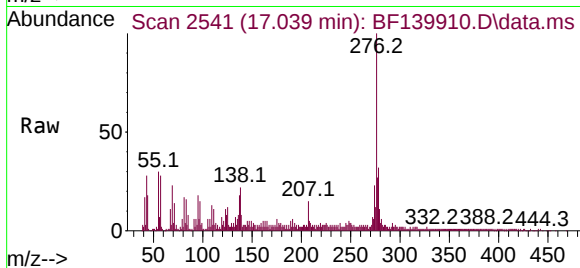
Tgt Ion:278 Resp: 29245

Ion Ratio Lower Upper

278 100

139 25.4 13.1 19.7#

279 33.0 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 9.814 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139910.D

Acq: 21 Oct 2024 18:37

Tgt Ion:276 Resp: 128497

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 22.0 17.4 26.0

