

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139911.D
 Acq On : 21 Oct 2024 19:06
 Operator : RC/JU
 Sample : P4406-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101524RE

Quant Time: Oct 22 01:19:45 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)

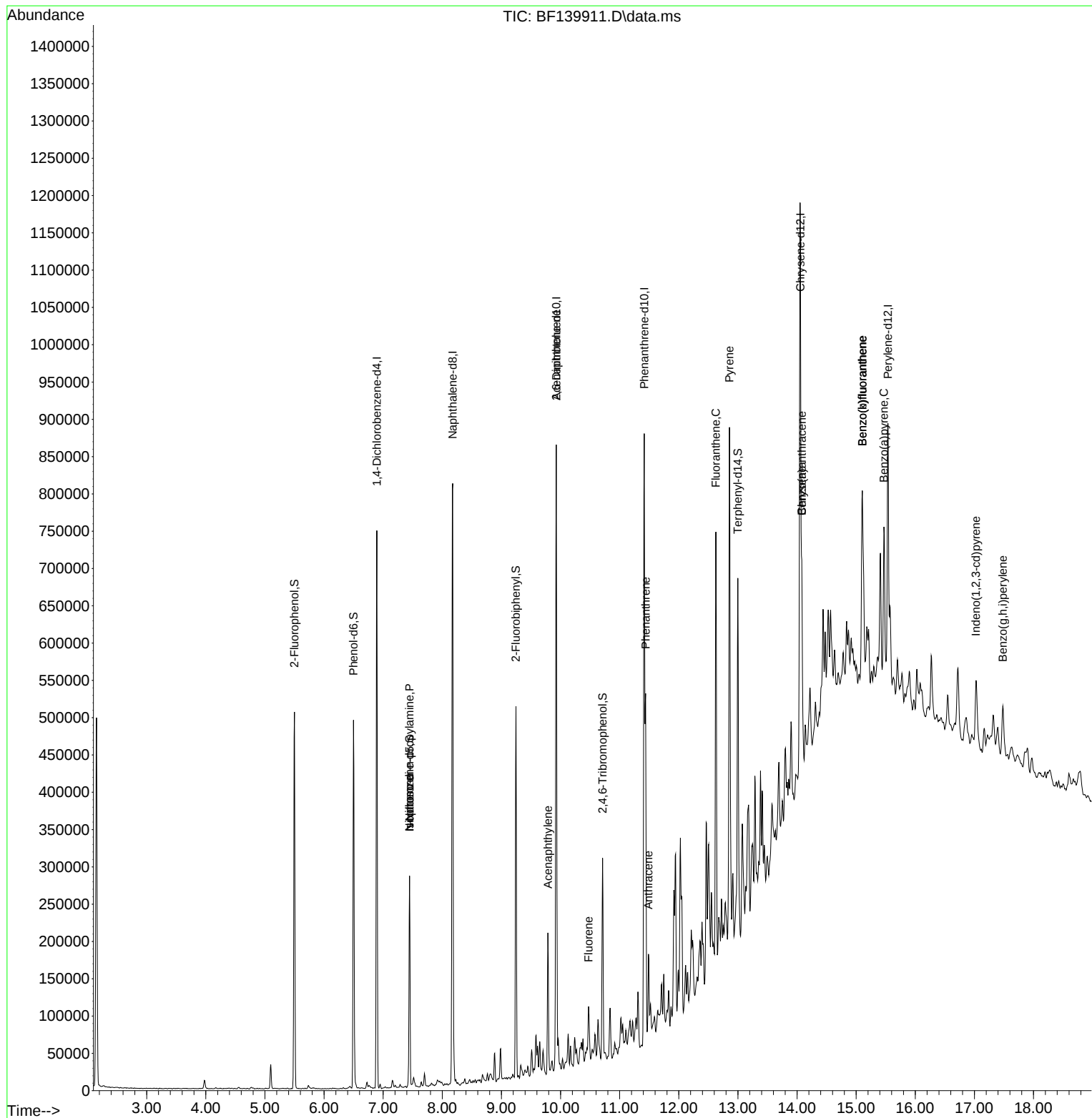
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	148146	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	489177	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	239002	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	426372	20.000	ng	0.00
76) Chrysene-d12	14.057	240	255164	20.000	ng	0.00
86) Perylene-d12	15.539	264	227867	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	176507	18.652	ng	0.00
7) Phenol-d6	6.498	99	212139	17.308	ng	-0.01
23) Nitrobenzene-d5	7.445	82	114521	12.975	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	38502	17.223	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	208861	14.443	ng	0.00
79) Terphenyl-d14	12.998	244	212008	13.539	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	15595	2.098	ng	# 80
25) Isophorone	7.445	82	113145	6.754	ng	# 67
49) Acenaphthylene	9.786	152	105480	5.445	ng	99
51) 2,6-Dinitrotoluene	9.928	165	32508	10.085	ng	# 22
58) Fluorene	10.475	166	35275	2.576	ng	# 93
71) Phenanthrene	11.439	178	237444	11.790	ng	99
72) Anthracene	11.486	178	68590	3.491	ng	99
75) Fluoranthene	12.627	202	299774	14.724	ng	99
78) Pyrene	12.857	202	382428	17.122	ng	99
81) Benzo(a)anthracene	14.080	228	151177	9.101	ng	93
83) Chrysene	14.080	228	151177	9.926	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	66774	4.555	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	220623	15.894	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	220623	18.430	ng	# 94
90) Benzo(a)pyrene	15.468	252	123961	10.853	ng	# 94
92) Benzo(g,h,i)perylene	17.480	276	72337	5.922	ng	95

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

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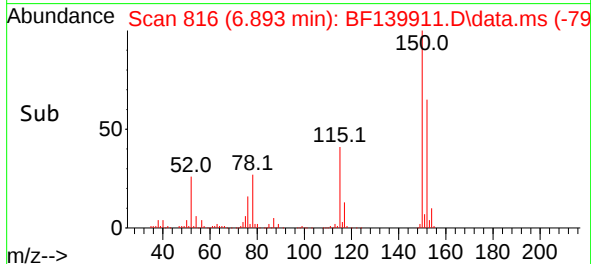
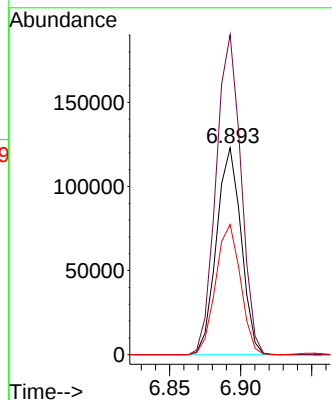
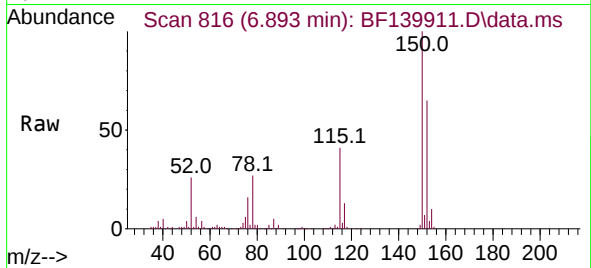




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

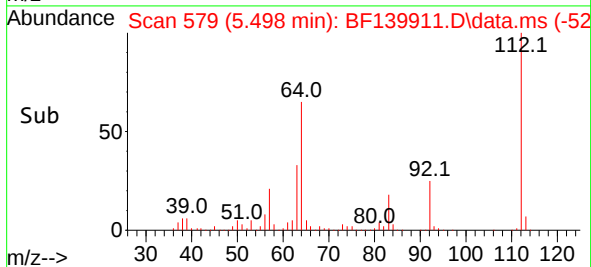
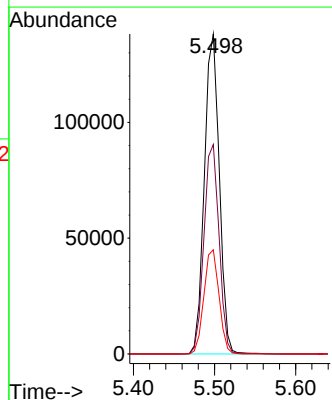
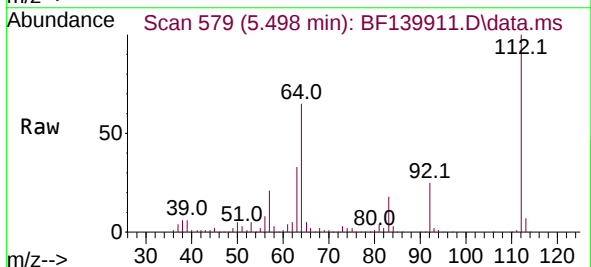
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

Tgt Ion:152 Resp: 148146
Ion Ratio Lower Upper
152 100
150 154.7 130.2 195.2
115 63.0 51.4 77.2



#5
2-Fluorophenol
Concen: 18.652 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:112 Resp: 176507
Ion Ratio Lower Upper
112 100
64 65.5 53.0 79.6
63 32.6 27.0 40.4

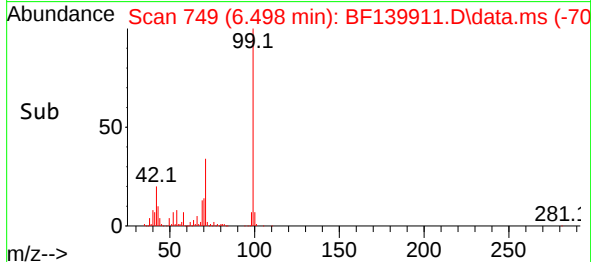
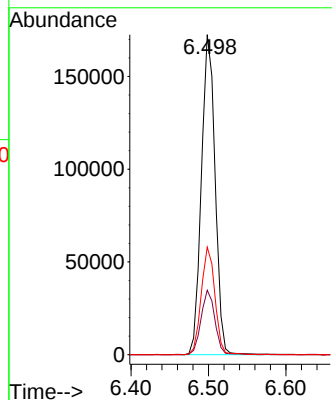
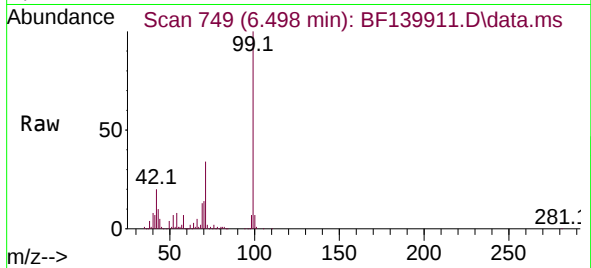




#7
Phenol-d6
Concen: 17.308 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

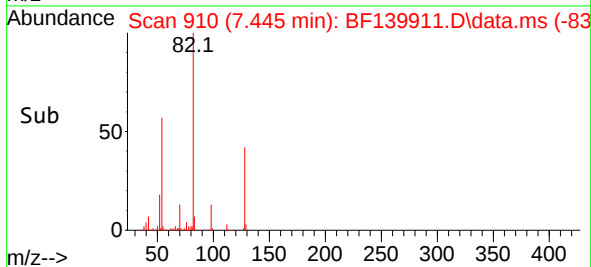
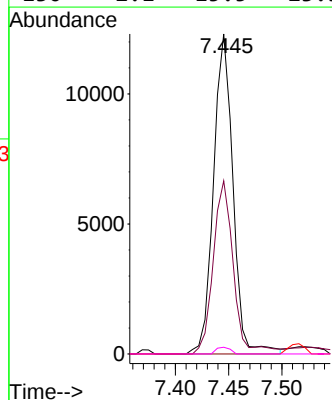
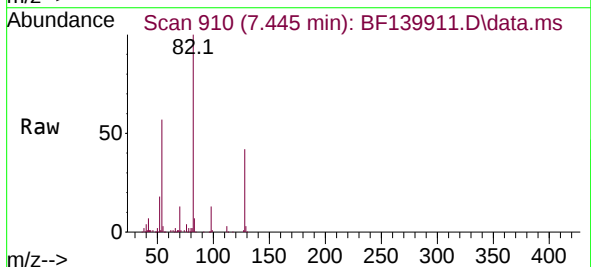
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

Tgt Ion: 99 Resp: 212139
Ion Ratio Lower Upper
99 100
42 20.1 16.7 25.1
71 33.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.098 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion: 70 Resp: 15595
Ion Ratio Lower Upper
70 100
42 54.1 51.5 77.3
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



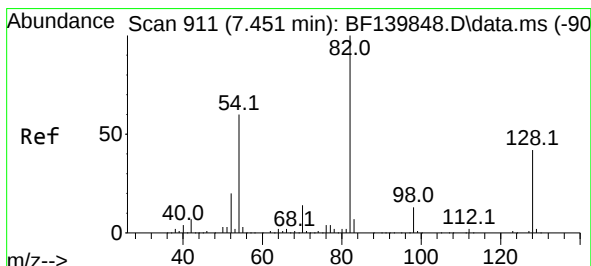
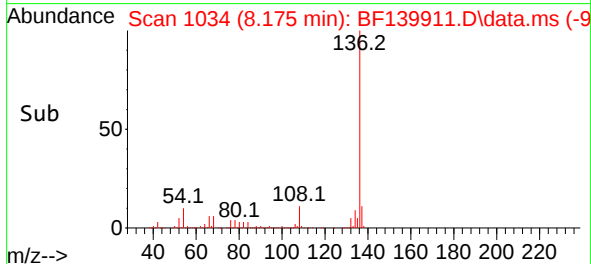
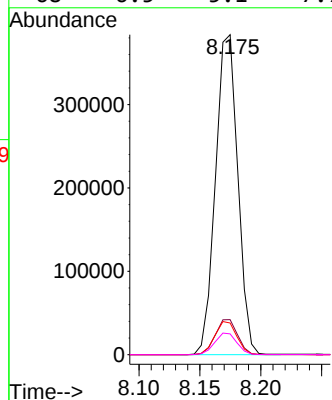
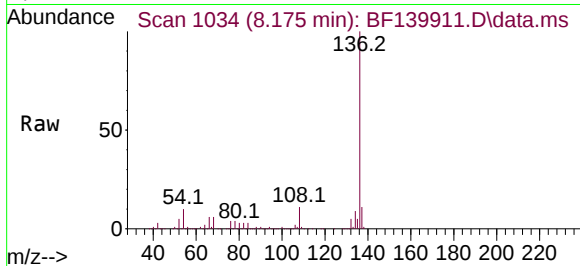


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

Tgt Ion:136 Resp: 489177

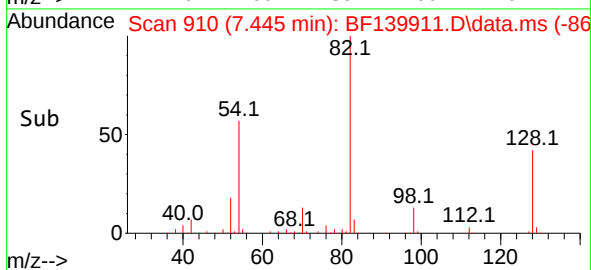
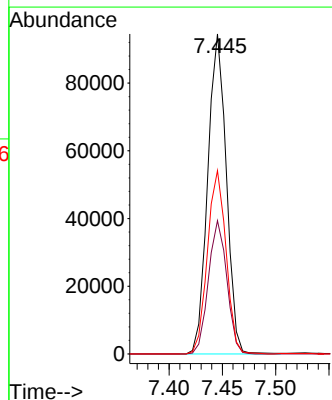
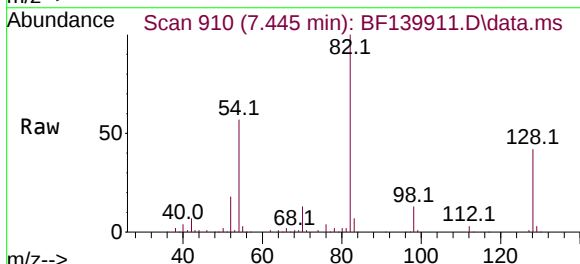
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.9	8.4	12.6
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 12.975 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion: 82 Resp: 114521

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.4	50.0
54	57.3	47.8	71.8

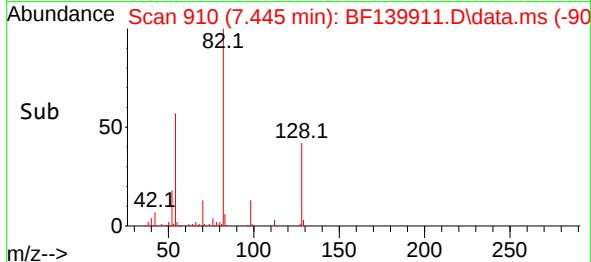
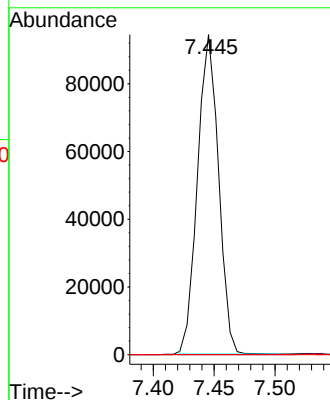
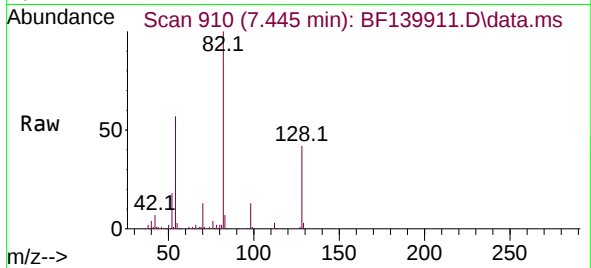




#25
Isophorone
Concen: 6.754 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

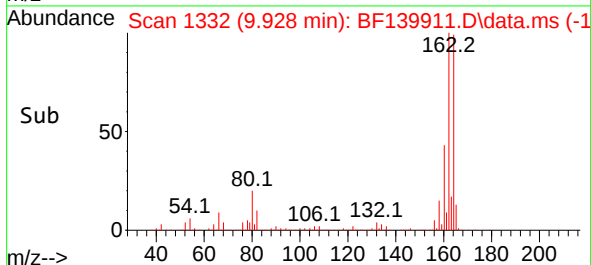
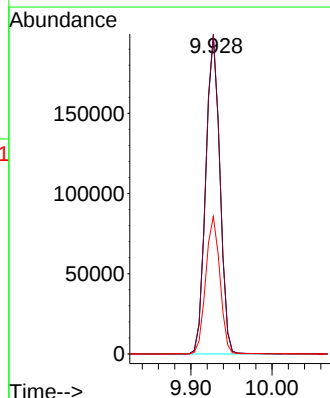
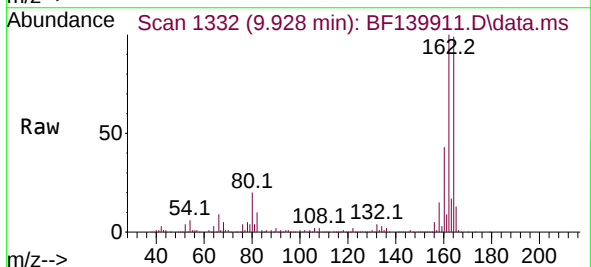
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

Tgt Ion: 82 Resp: 113145
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:164 Resp: 239002
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 43.3 35.4 53.0

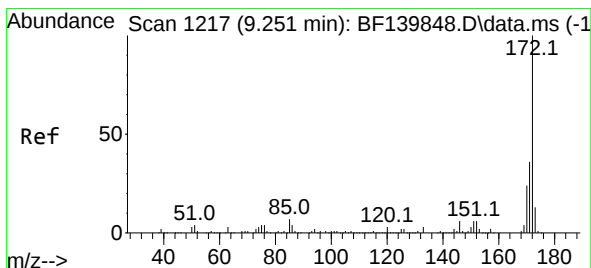
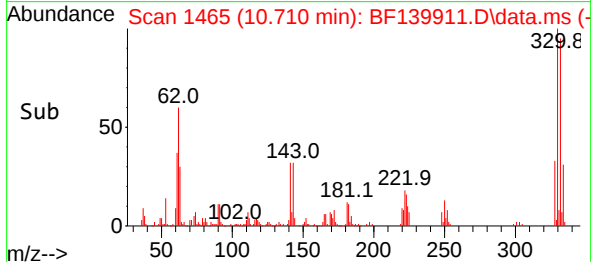
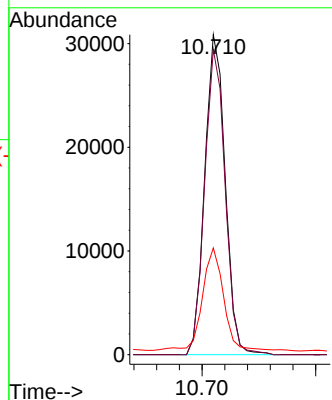
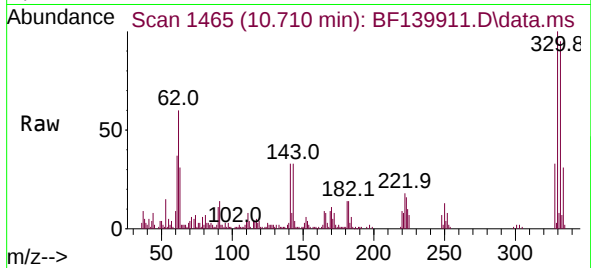




#42
2,4,6-Tribromophenol
Concen: 17.223 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

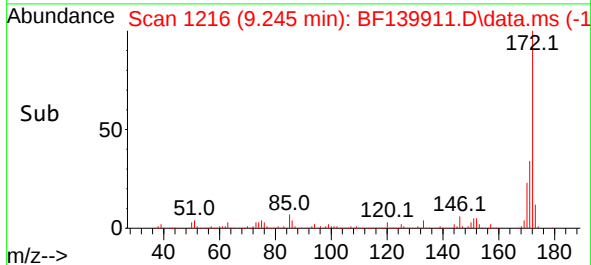
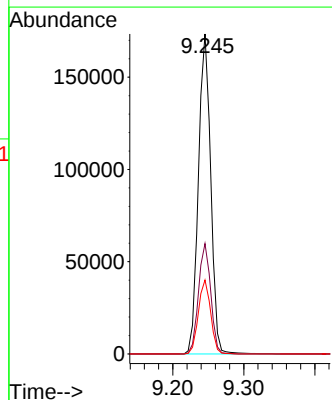
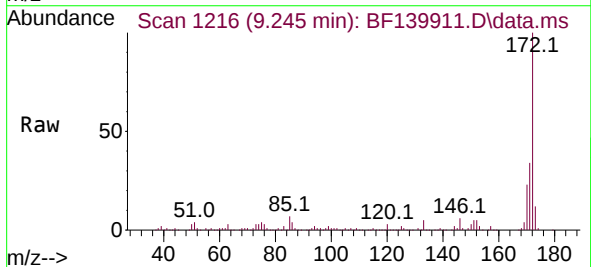
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

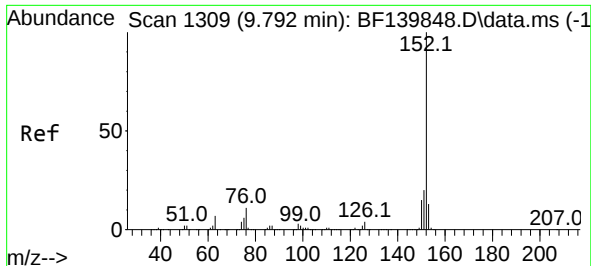
Tgt Ion:330 Resp: 38502
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 34.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 14.443 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:172 Resp: 208861
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.1 19.1 28.7





#49

Acenaphthylene

Concen: 5.445 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

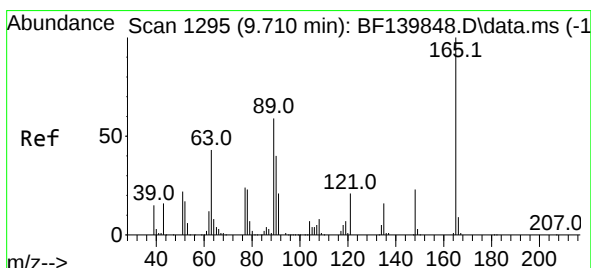
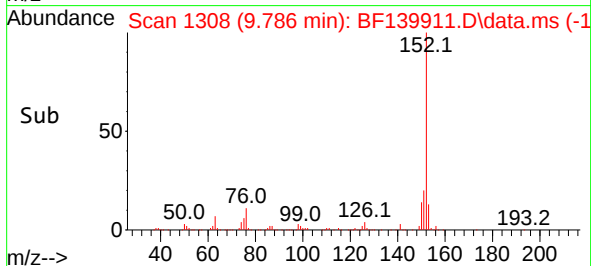
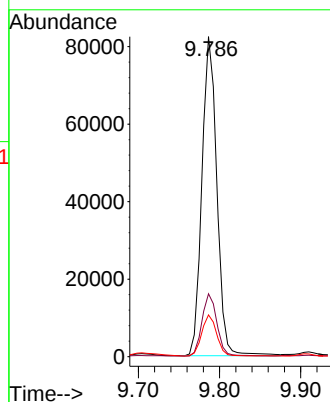
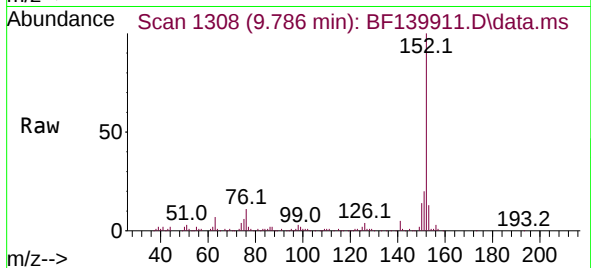
Tgt Ion:152 Resp: 105480

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 13.1 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 10.085 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.218 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

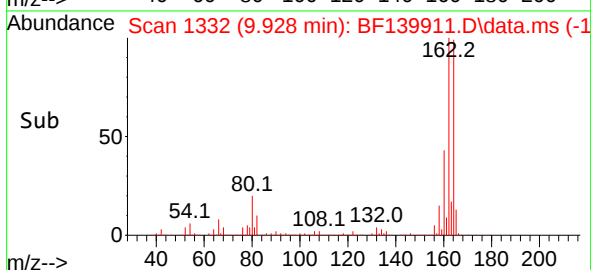
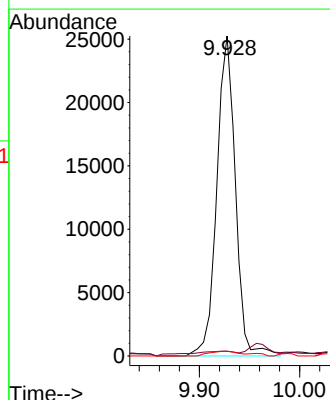
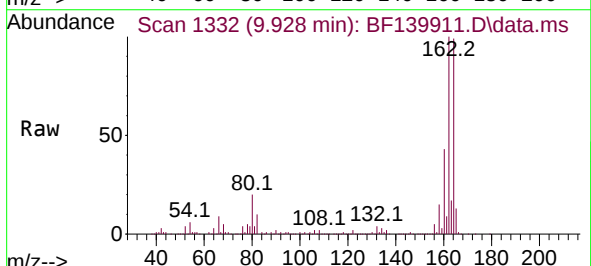
Tgt Ion:165 Resp: 32508

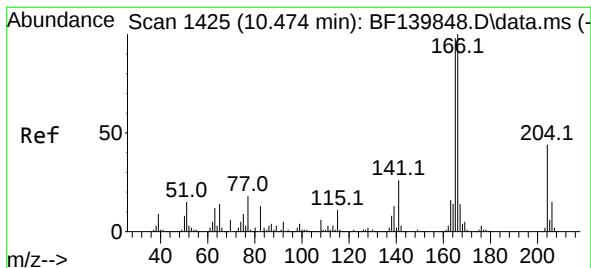
Ion Ratio Lower Upper

165 100

63 1.5 50.6 75.8#

89 1.5 47.5 71.3#





#58

Fluorene

Concen: 2.576 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

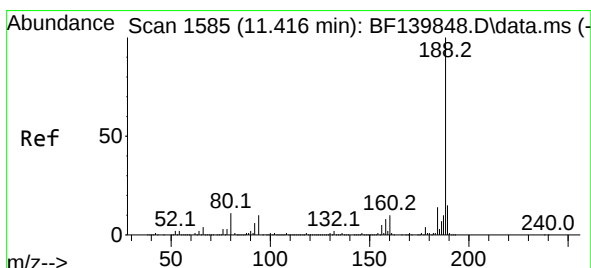
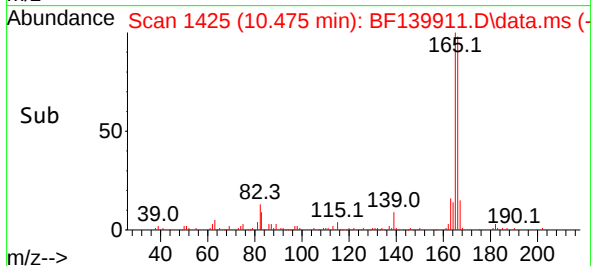
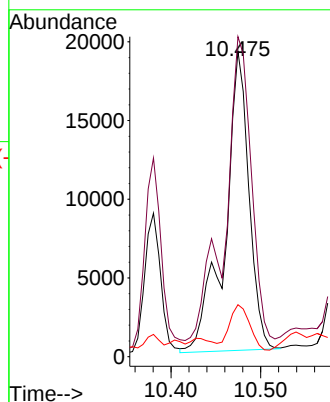
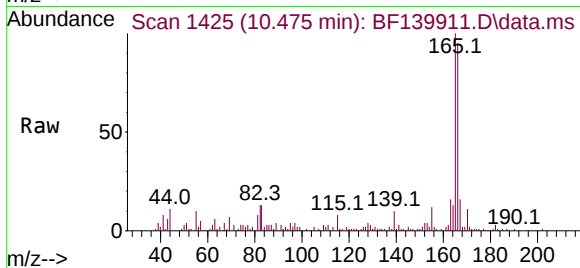
Tgt Ion:166 Resp: 35275

Ion Ratio Lower Upper

166 100

165 104.7 78.5 117.7

167 17.0 10.9 16.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

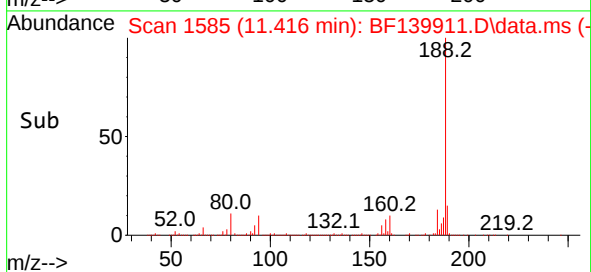
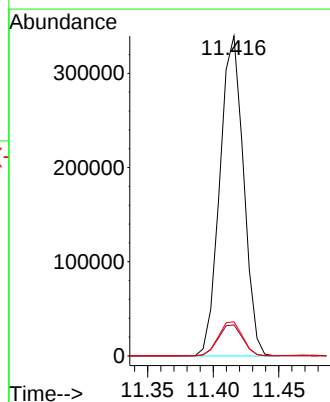
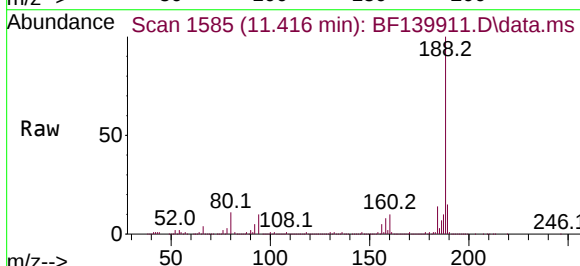
Tgt Ion:188 Resp: 426372

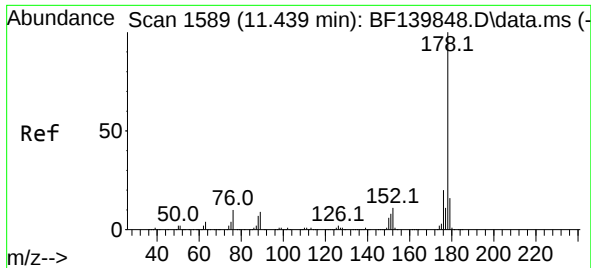
Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.7 9.0 13.4

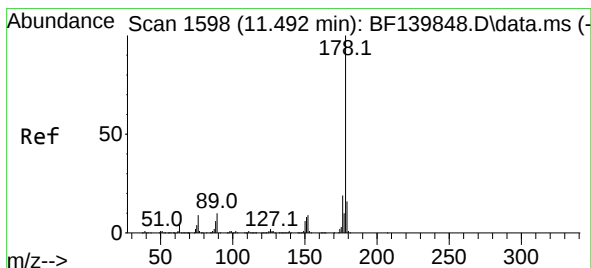
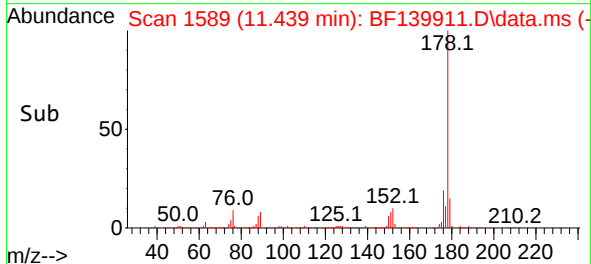
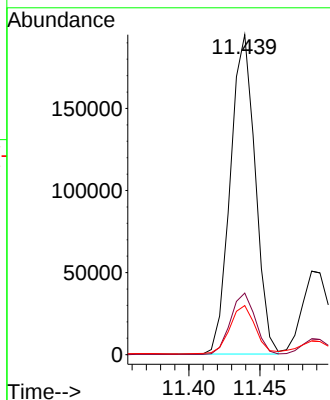
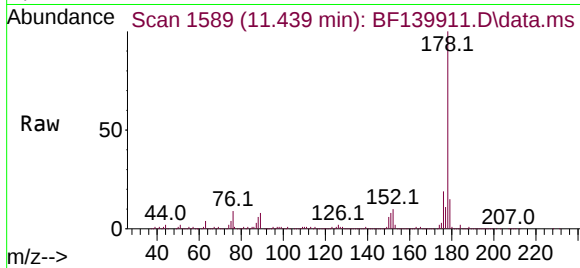




#71
Phenanthrene
Concen: 11.790 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

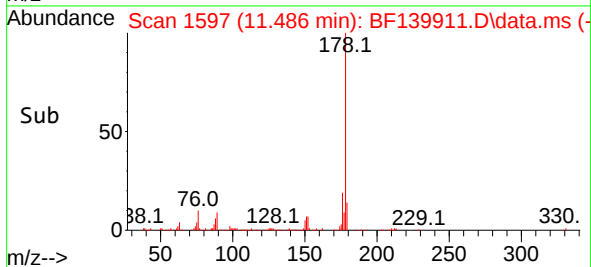
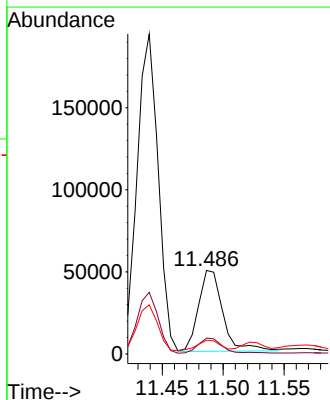
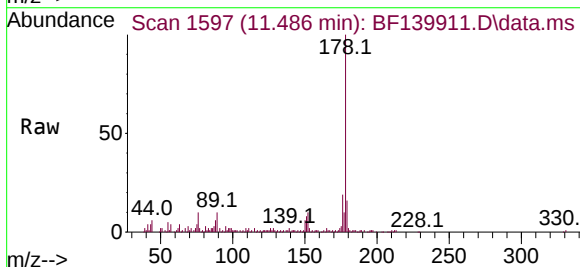
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

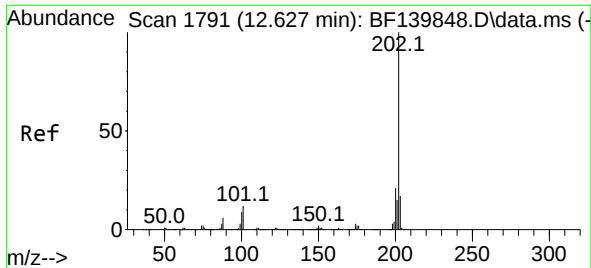
Tgt Ion:178 Resp: 237444
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.4 12.6 18.8



#72
Anthracene
Concen: 3.491 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:178 Resp: 68590
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.4 12.4 18.6

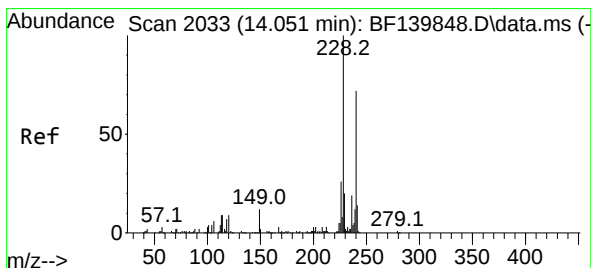
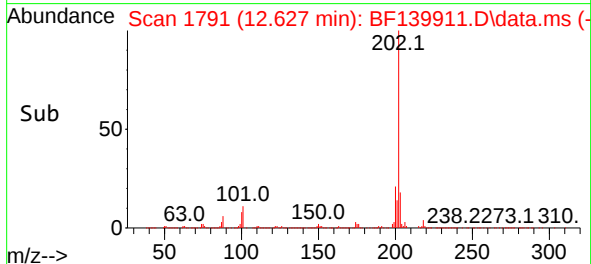
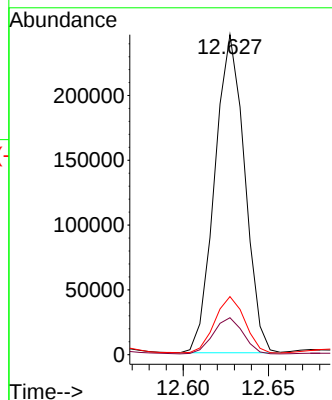
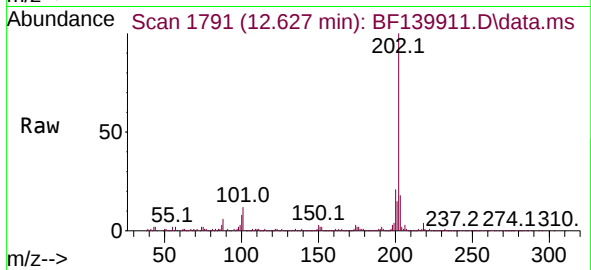




#75
Fluoranthene
Concen: 14.724 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

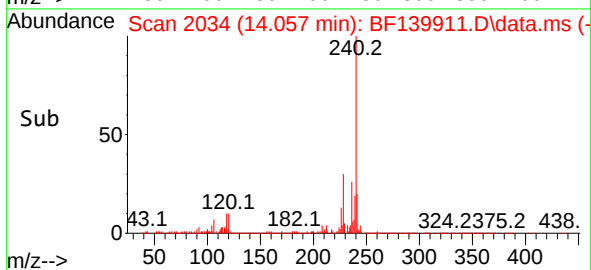
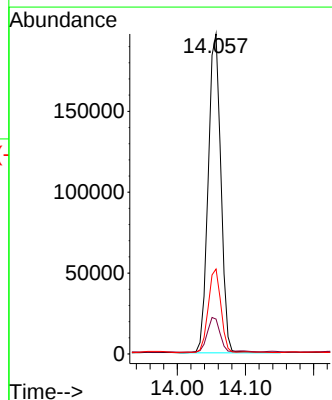
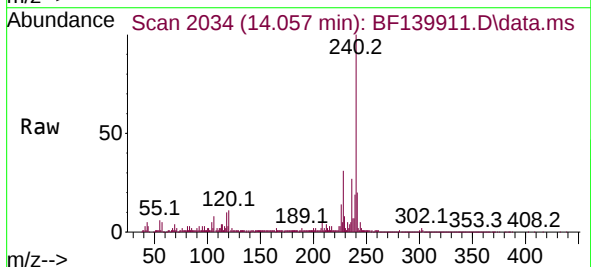
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

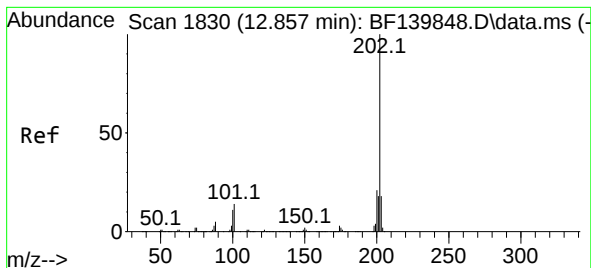
Tgt Ion:202 Resp: 299774
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.9
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:240 Resp: 255164
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 26.6 20.9 31.3





#78

Pyrene

Concen: 17.122 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

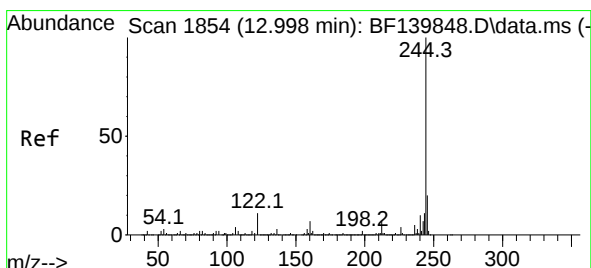
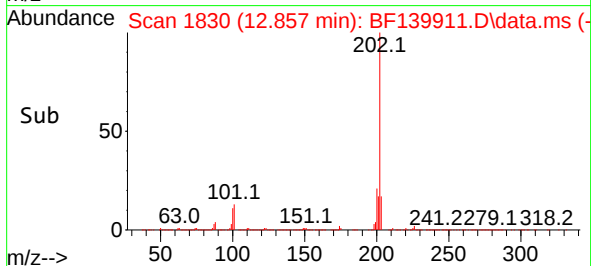
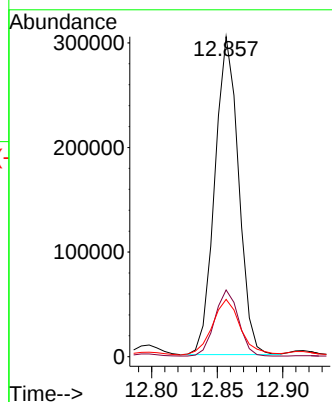
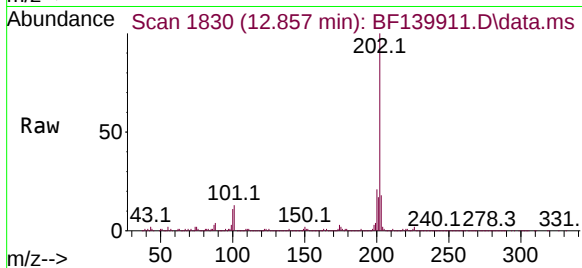
Tgt Ion:202 Resp: 382428

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 13.539 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

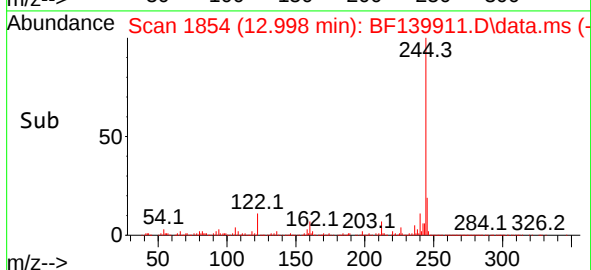
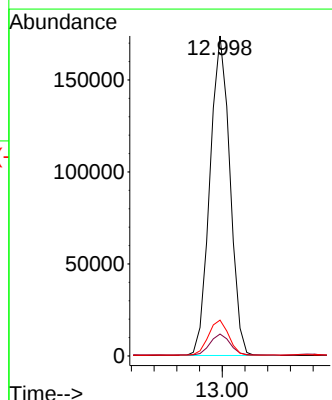
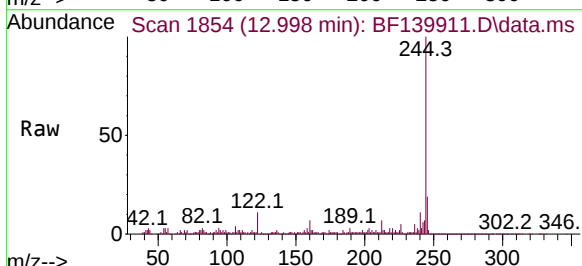
Tgt Ion:244 Resp: 212008

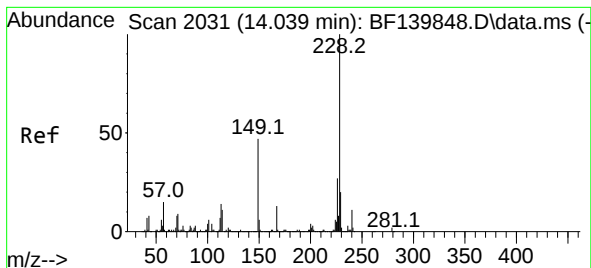
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.2 8.6 13.0





#81

Benzo(a)anthracene

Concen: 9.101 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.041 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

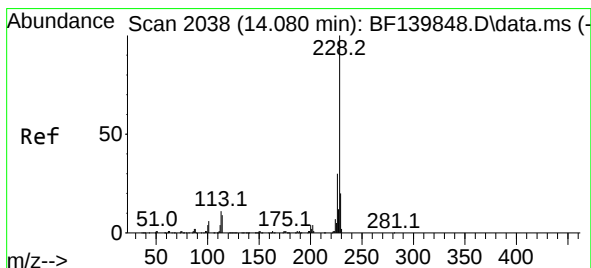
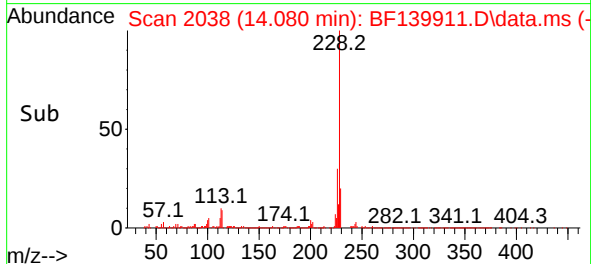
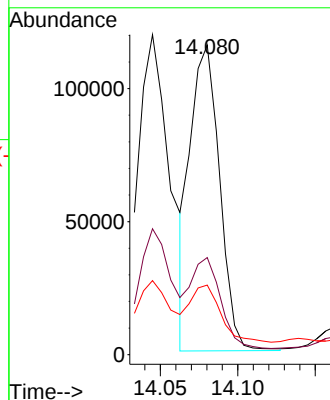
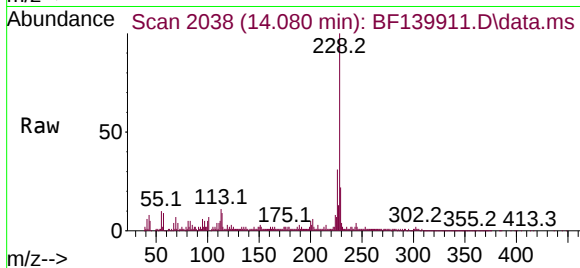
Tgt Ion:228 Resp: 151177

Ion Ratio Lower Upper

228 100

226 31.4 21.6 32.4

229 22.5 16.1 24.1



#83

Chrysene

Concen: 9.926 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

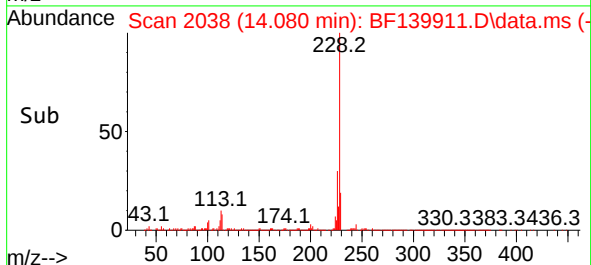
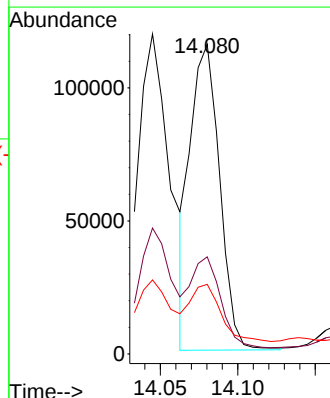
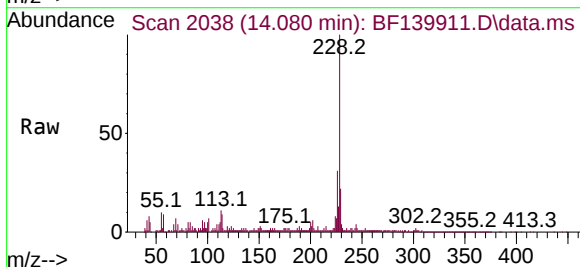
Tgt Ion:228 Resp: 151177

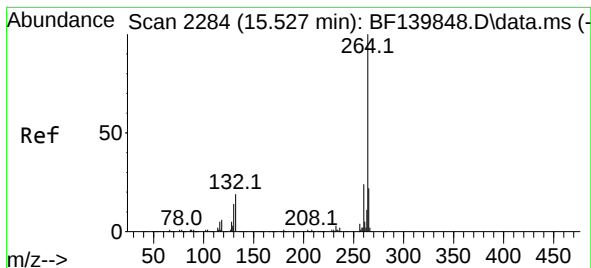
Ion Ratio Lower Upper

228 100

226 31.4 24.1 36.1

229 22.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

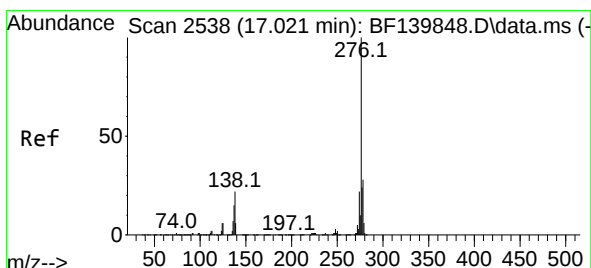
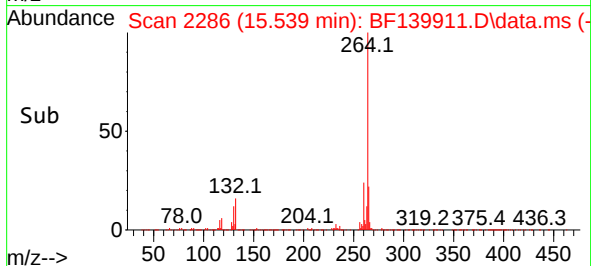
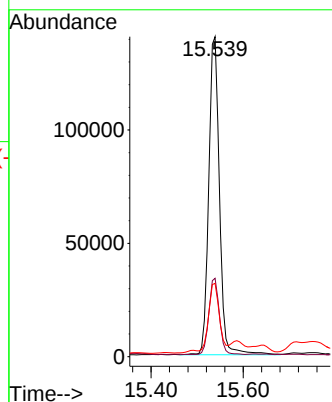
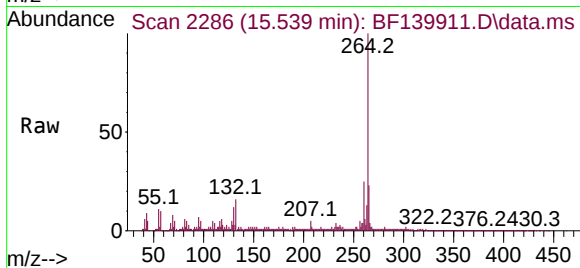
Tgt Ion:264 Resp: 227867

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.555 ng

RT: 17.027 min Scan# 2539

Delta R.T. 0.006 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

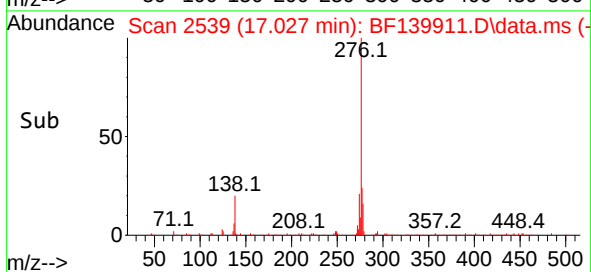
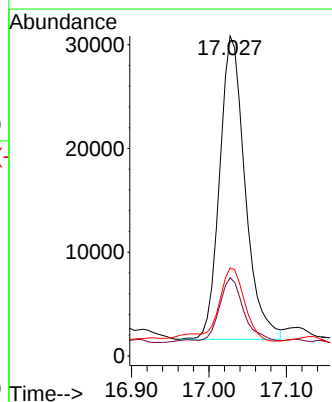
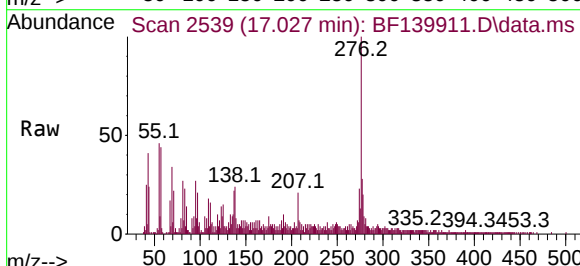
Tgt Ion:276 Resp: 66774

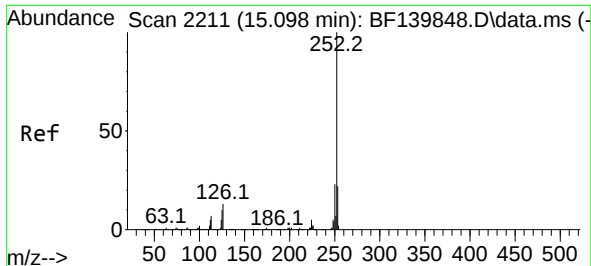
Ion Ratio Lower Upper

276 100

138 20.3 20.4 30.6#

277 26.0 20.2 30.4

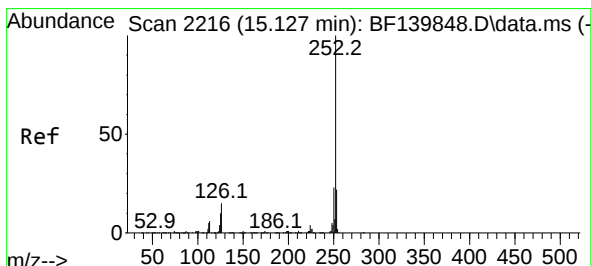
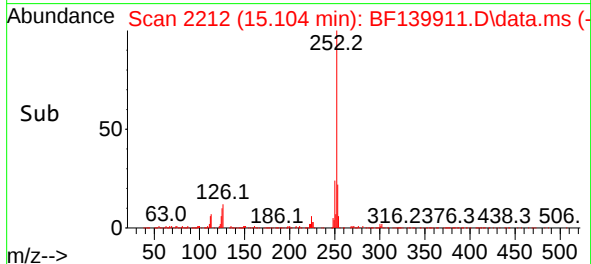
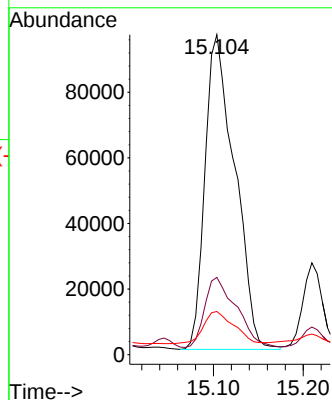
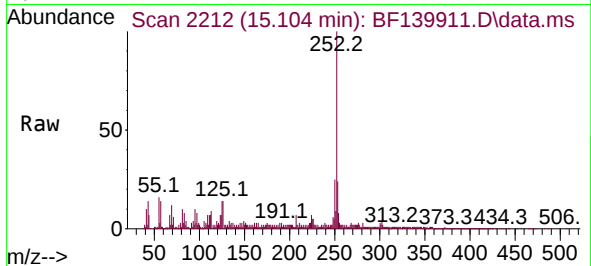




#88
Benzo(b)fluoranthene
Concen: 15.894 ng
RT: 15.104 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

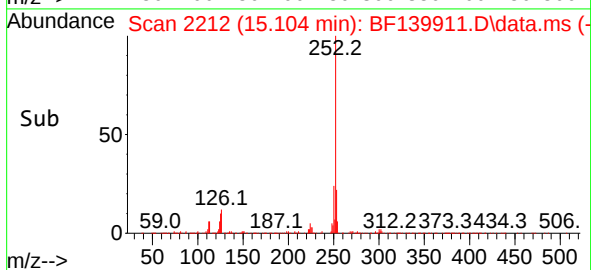
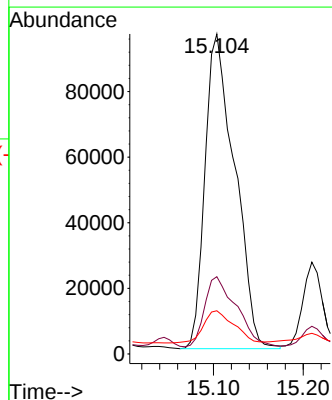
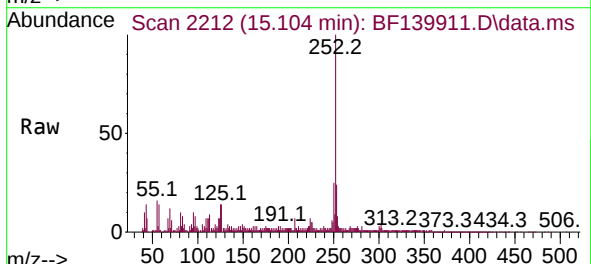
Instrument :
BNA_F
ClientSampleId :
OK-02-101524RE

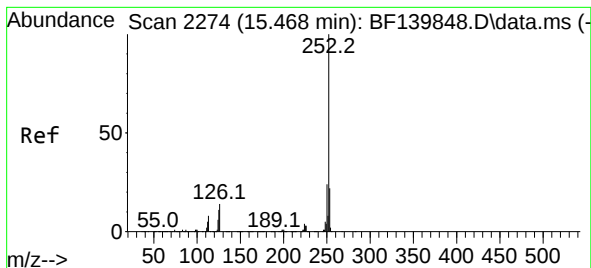
Tgt Ion:252 Resp: 220623
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 13.5 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 18.430 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.023 min
Lab File: BF139911.D
Acq: 21 Oct 2024 19:06

Tgt Ion:252 Resp: 220623
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 13.5 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 10.853 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Instrument :

BNA_F

ClientSampleId :

OK-02-101524RE

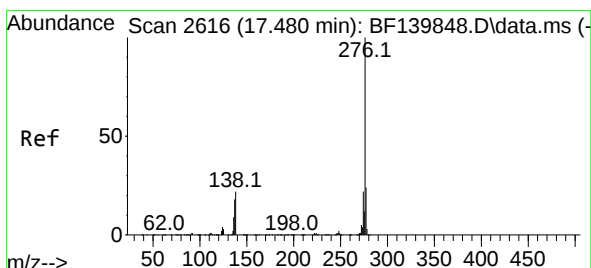
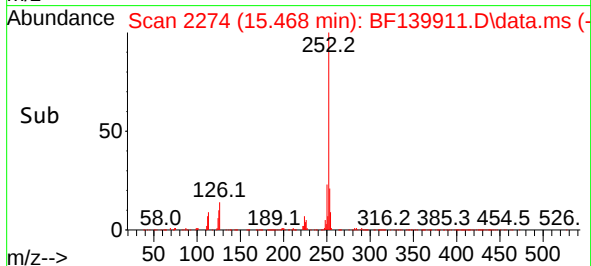
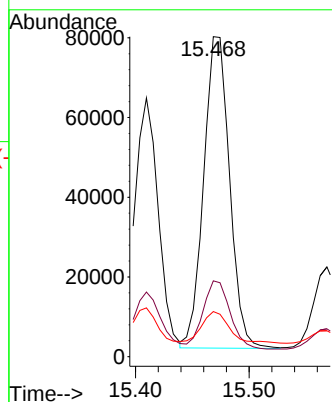
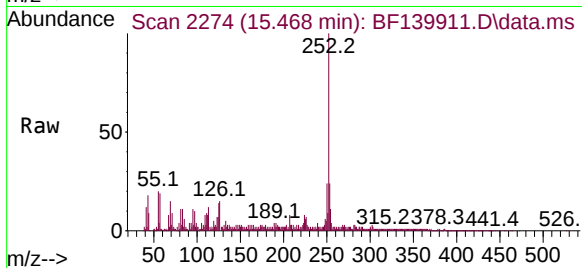
Tgt Ion:252 Resp: 123961

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 14.1 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 5.922 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139911.D

Acq: 21 Oct 2024 19:06

Tgt Ion:276 Resp: 72337

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 24.3 17.4 26.0

