

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139126.D
 Acq On : 22 Aug 2024 16:51
 Operator : RC/JU
 Sample : P3663-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

Quant Time: Aug 22 17:18:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

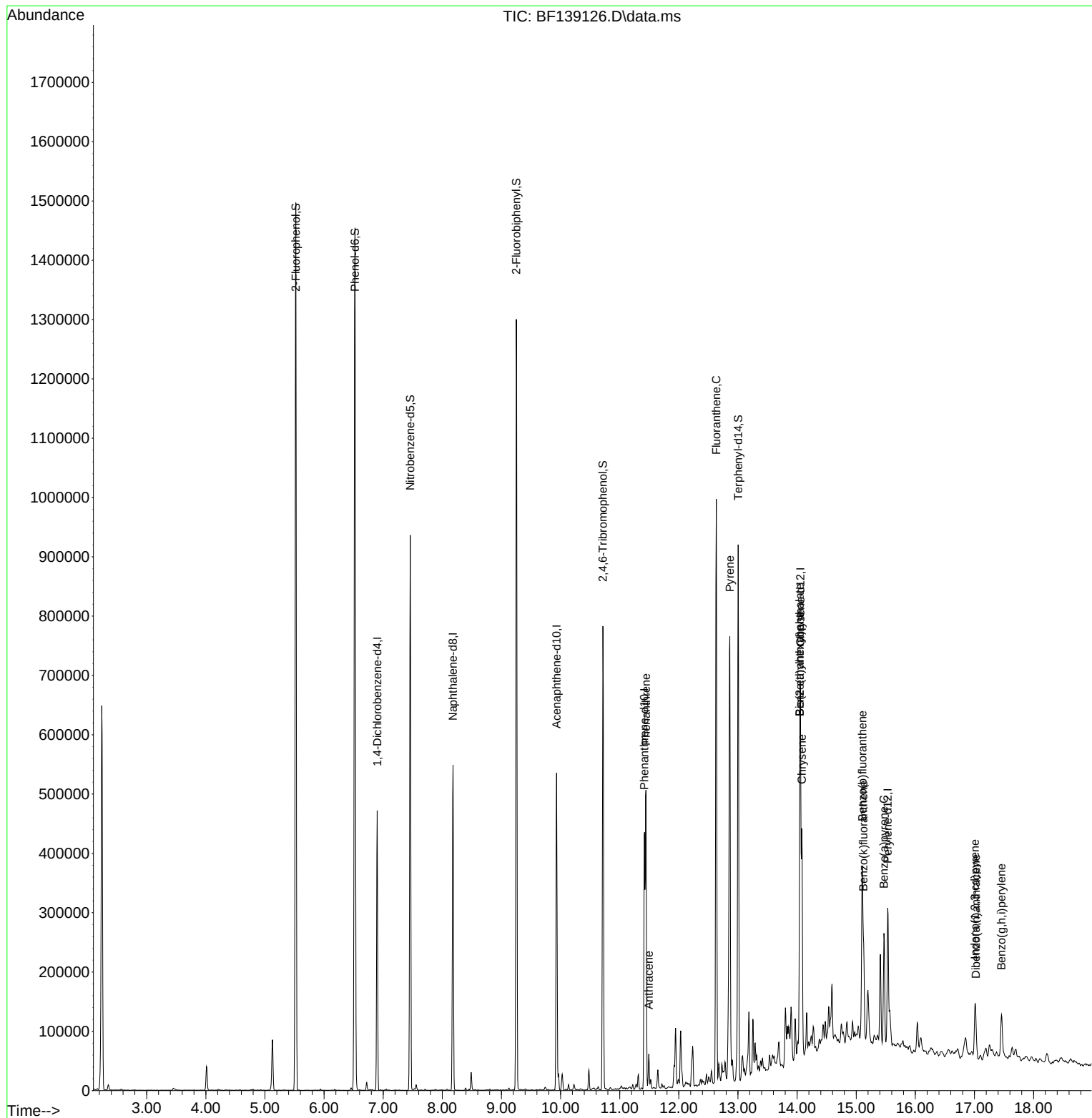
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	90408	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	314044	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	149707	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	222720	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172003	20.000	ng	0.00
86) Perylene-d12	15.533	264	132740	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	506962	86.272	ng	0.01
7) Phenol-d6	6.522	99	653794	86.106	ng	0.00
23) Nitrobenzene-d5	7.457	82	410395	76.148	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	116660	86.078	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	540952	57.331	ng	0.00
79) Terphenyl-d14	13.004	244	409065	39.462	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	263985	23.319	ng	100
72) Anthracene	11.492	178	32357	2.923	ng	99
75) Fluoranthene	12.633	202	533339	44.141	ng	99
78) Pyrene	12.863	202	416269	29.000	ng	99
81) Benzo(a)anthracene	14.045	228	175817	15.550	ng	97
83) Chrysene	14.080	228	200550	19.569	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	14188	2.155	ng	94
87) Indeno(1,2,3-cd)pyrene	17.009	276	70897m	9.126	ng	
88) Benzo(b)fluoranthene	15.104	252	206282m	23.837	ng	
89) Benzo(k)fluoranthene	15.121	252	57594m	7.991	ng	
90) Benzo(a)pyrene	15.468	252	115601	16.906	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	16648	2.611	ng	95
92) Benzo(g,h,i)perylene	17.456	276	66291	11.363	ng	99

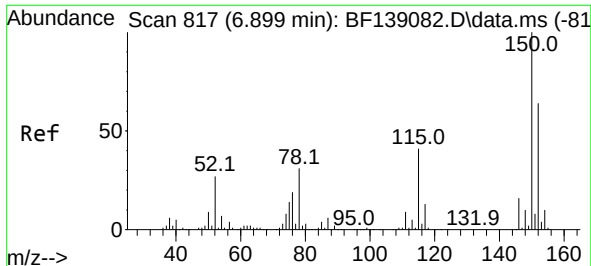
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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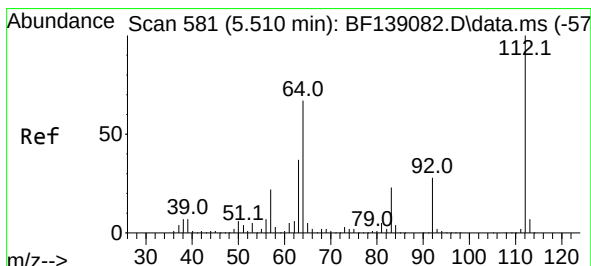
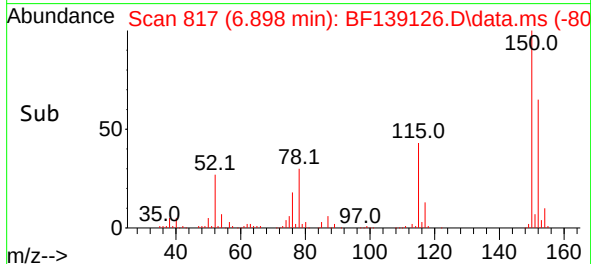
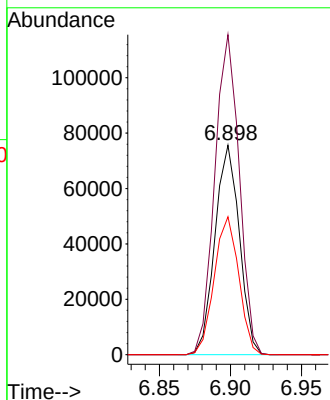
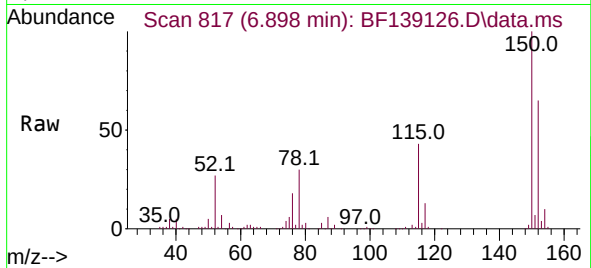




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

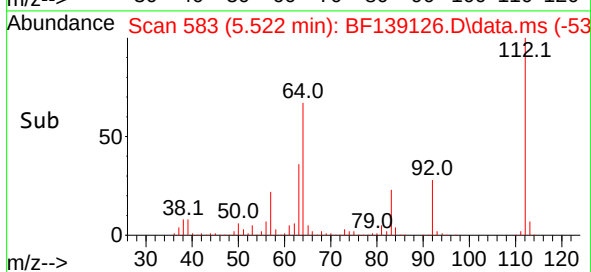
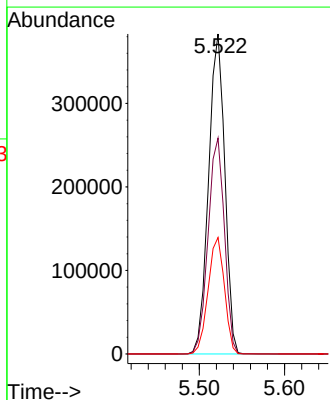
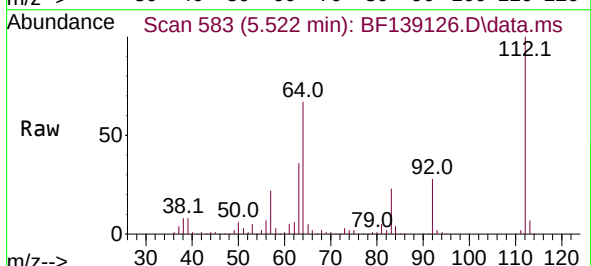
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

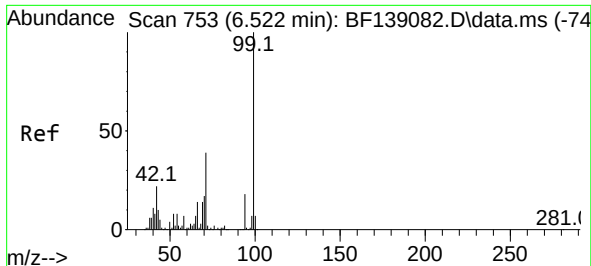
Tgt Ion:152 Resp: 90408
Ion Ratio Lower Upper
152 100
150 152.8 125.1 187.7
115 65.9 51.8 77.6



#5
2-Fluorophenol
Concen: 86.272 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.011 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

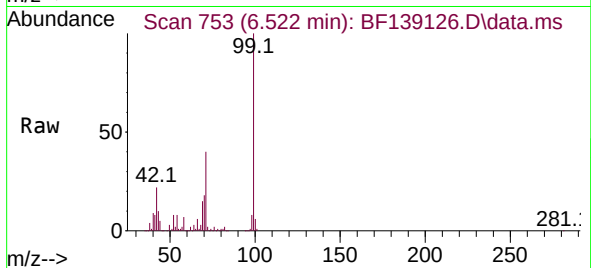
Tgt Ion:112 Resp: 506962
Ion Ratio Lower Upper
112 100
64 67.5 53.8 80.6
63 36.4 29.4 44.2



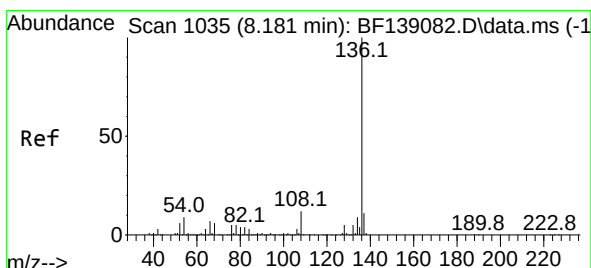
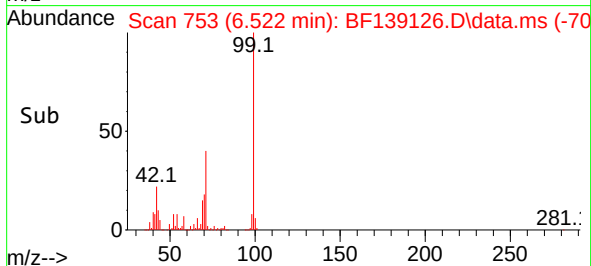
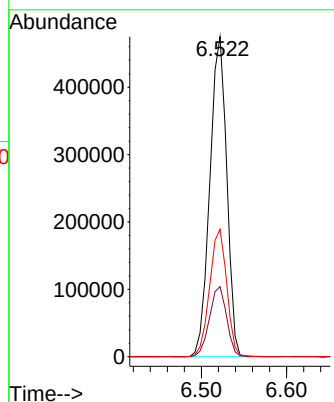


#7
Phenol-d6
Concen: 86.106 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

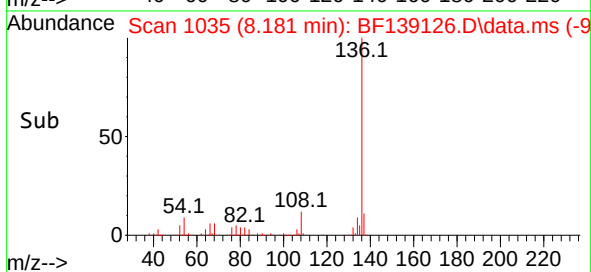
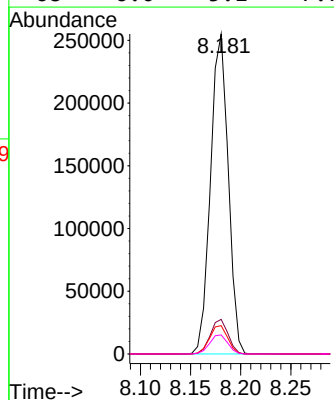
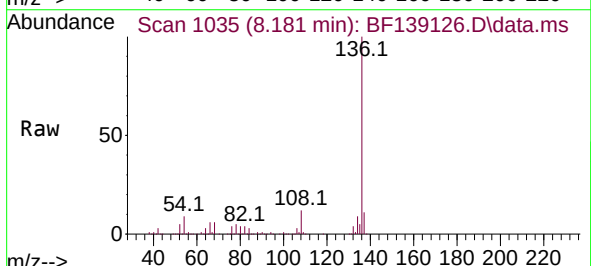


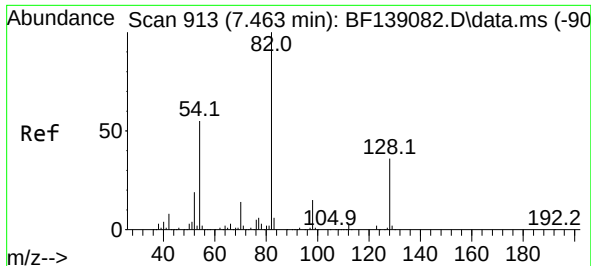
Tgt Ion:	99	Resp:	653794
Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.4	26.2
71	39.8	31.2	46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

Tgt Ion:	136	Resp:	314044
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	8.8	7.6	11.4
68	6.0	5.1	7.7





#23

Nitrobenzene-d5

Concen: 76.148 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139126.D

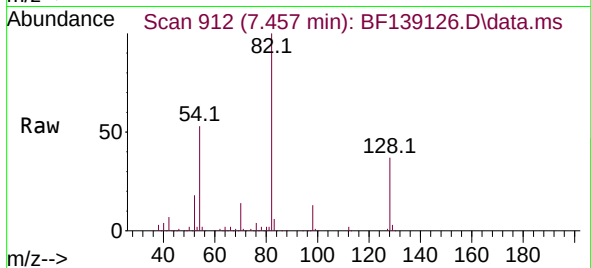
Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624



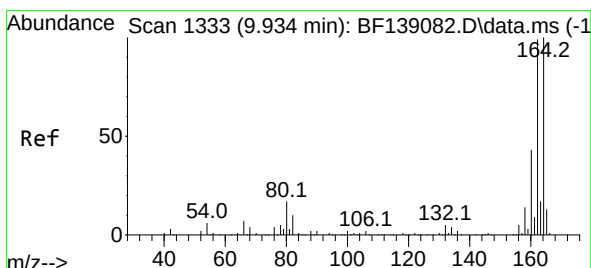
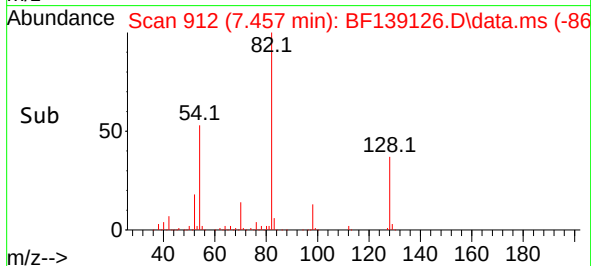
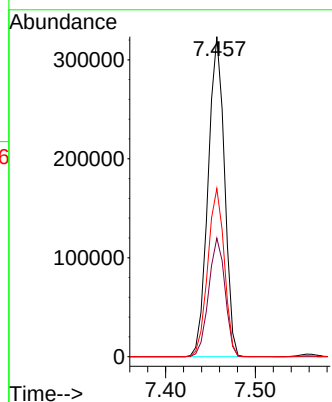
Tgt Ion: 82 Resp: 410395

Ion Ratio Lower Upper

82 100

128 37.0 29.0 43.4

54 52.5 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.001 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

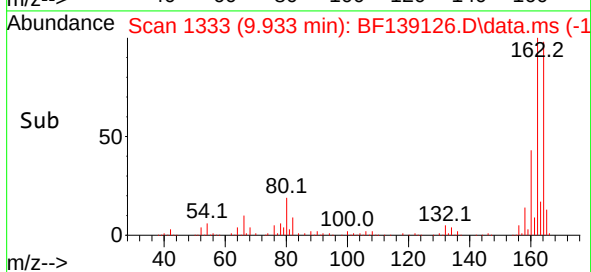
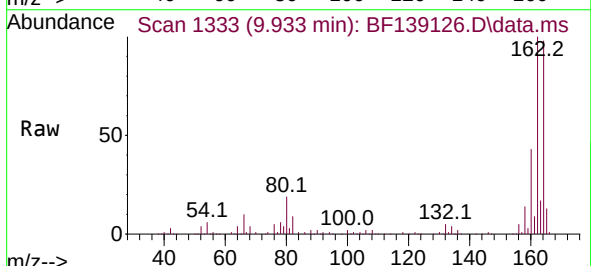
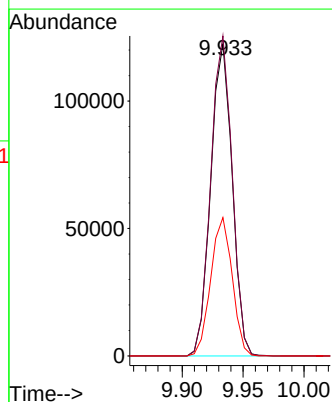
Tgt Ion: 164 Resp: 149707

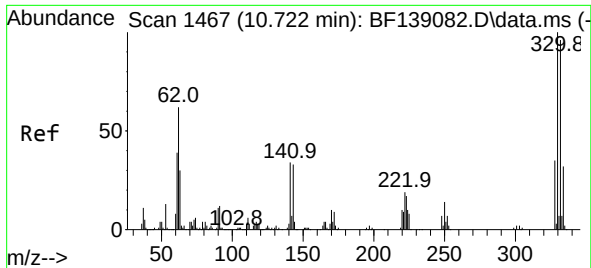
Ion Ratio Lower Upper

164 100

162 102.5 79.5 119.3

160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 86.078 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139126.D

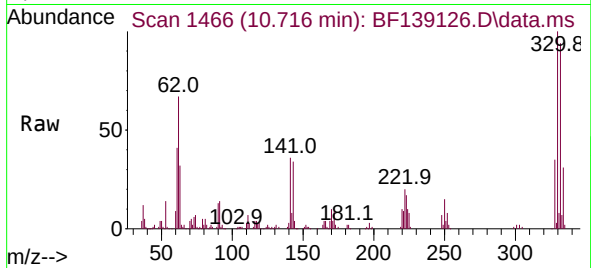
Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624



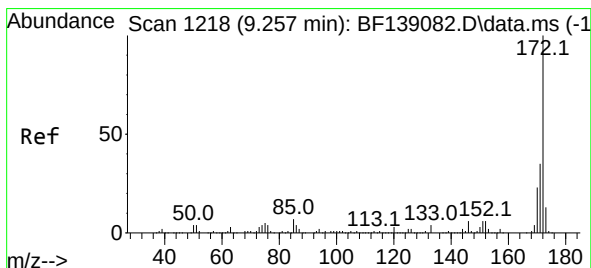
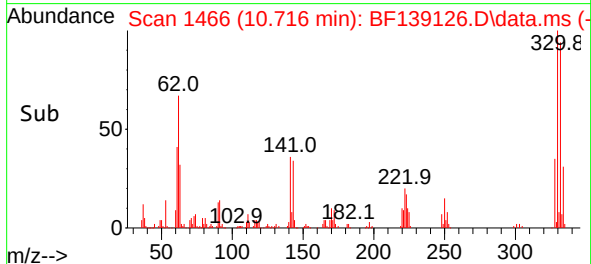
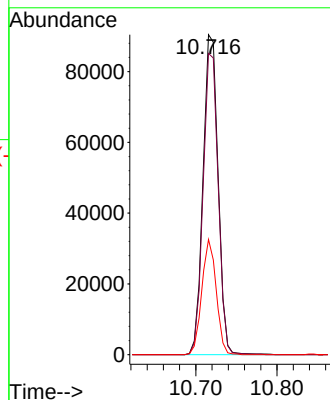
Tgt Ion:330 Resp: 116660

Ion Ratio Lower Upper

330 100

332 94.1 77.0 115.6

141 34.3 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 57.331 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

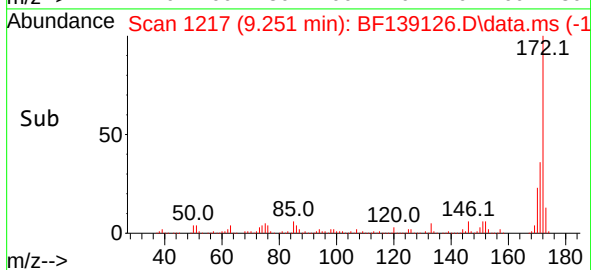
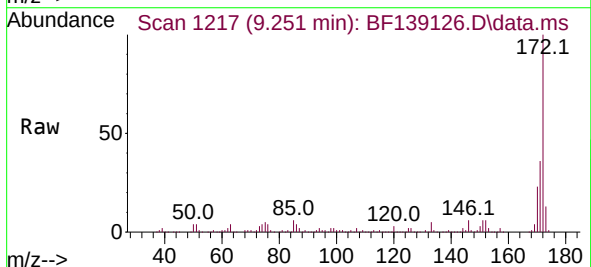
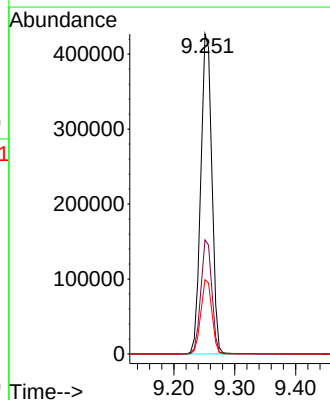
Tgt Ion:172 Resp: 540952

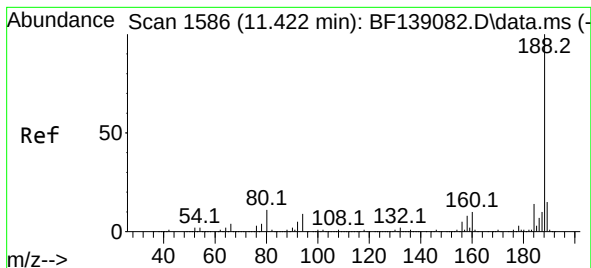
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.2 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

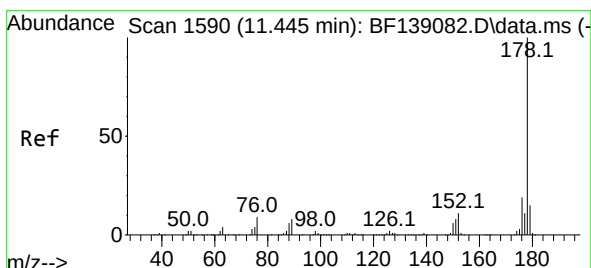
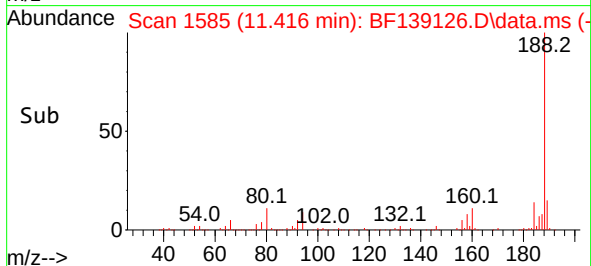
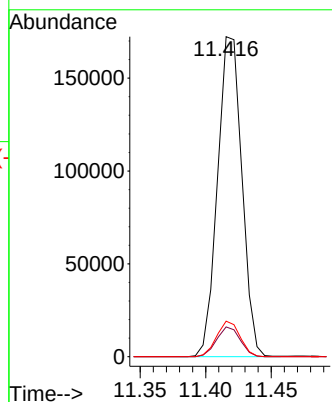
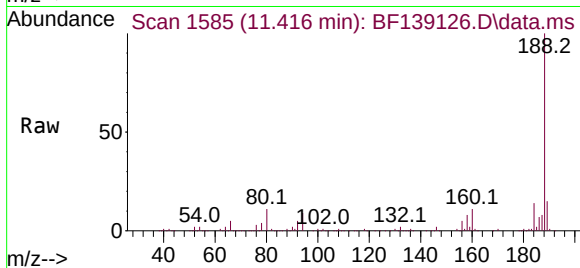
Tgt Ion:188 Resp: 222720

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 11.1 8.5 12.7



#71

Phenanthrene

Concen: 23.319 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

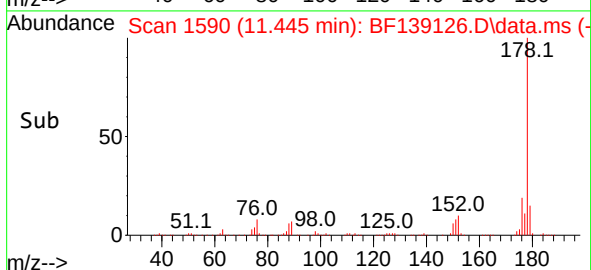
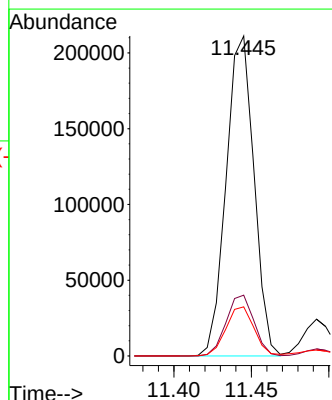
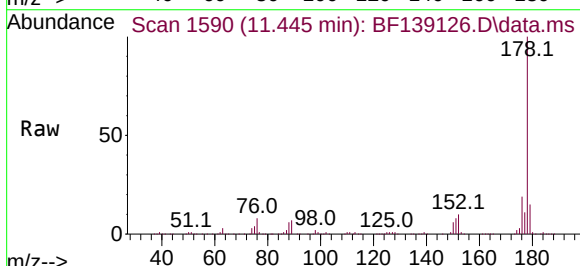
Tgt Ion:178 Resp: 263985

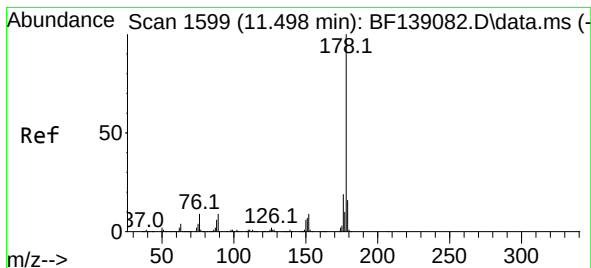
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.3 12.3 18.5





#72

Anthracene

Concen: 2.923 ng

RT: 11.492 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

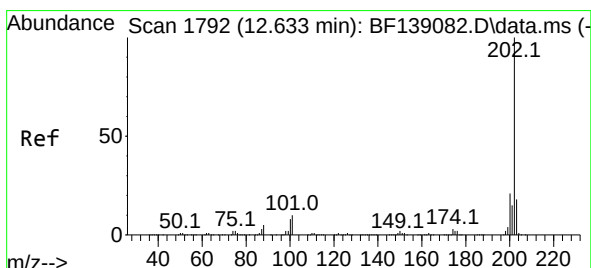
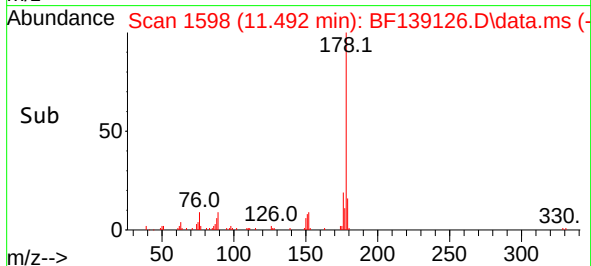
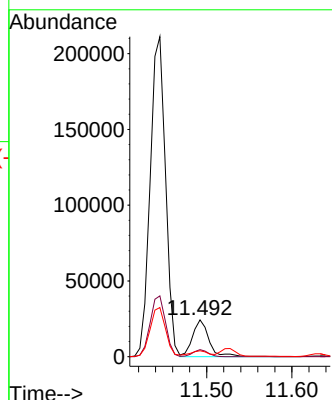
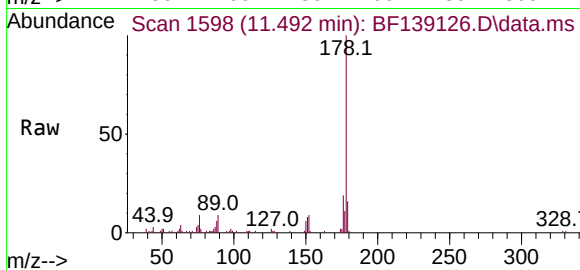
Tgt Ion:178 Resp: 32357

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 16.3 12.4 18.6



#75

Fluoranthene

Concen: 44.141 ng

RT: 12.633 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

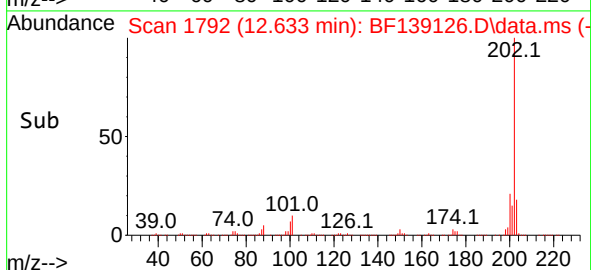
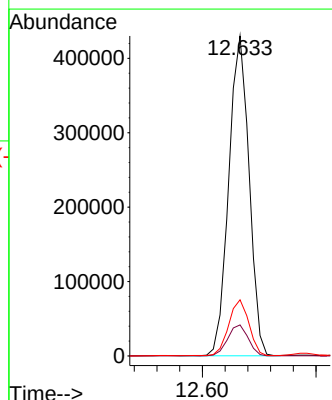
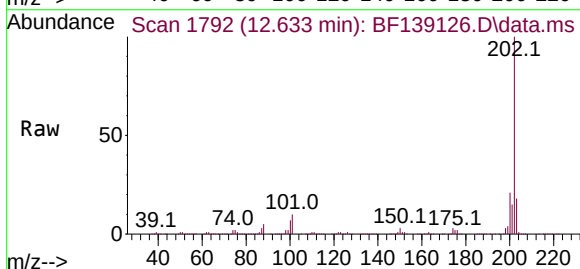
Tgt Ion:202 Resp: 533339

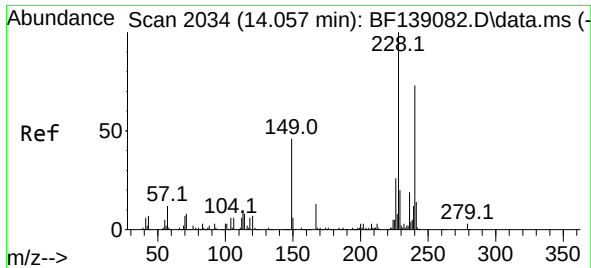
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

203 17.6 0.0 37.6

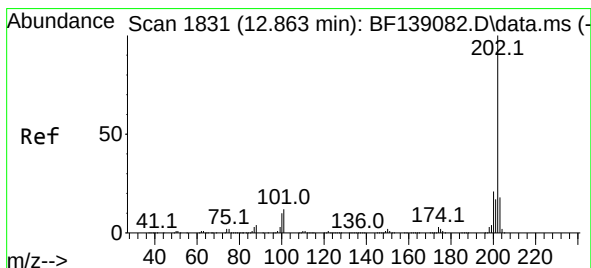
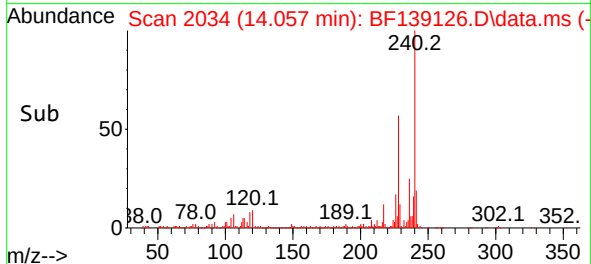
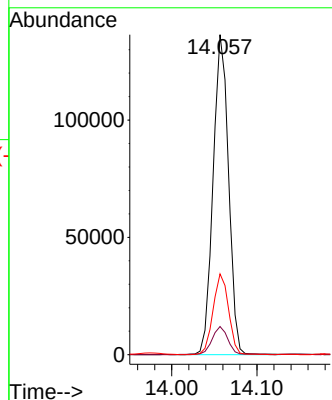
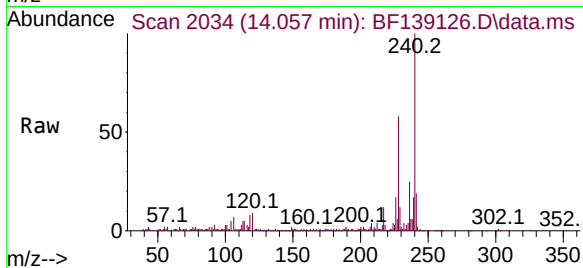




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

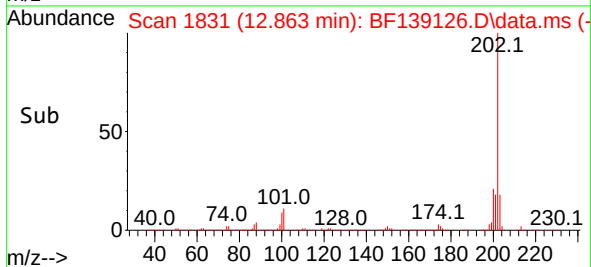
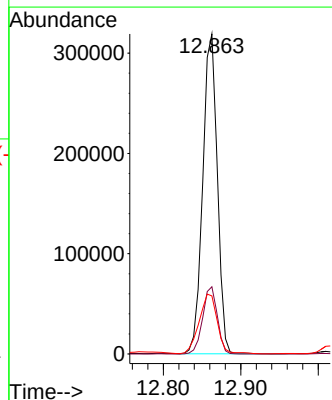
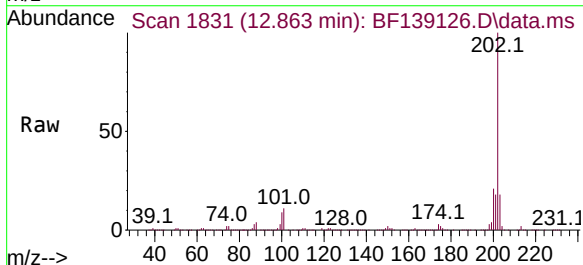
Instrument :
BNA_F
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915-J-SD-0-0.5-081624

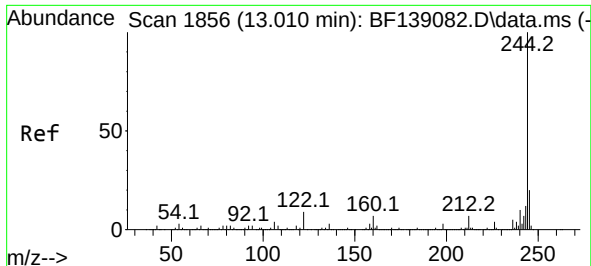
Tgt Ion:240 Resp: 172003
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 25.2 20.9 31.3



#78
Pyrene
Concen: 29.000 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

Tgt Ion:202 Resp: 416269
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 18.2 14.1 21.1

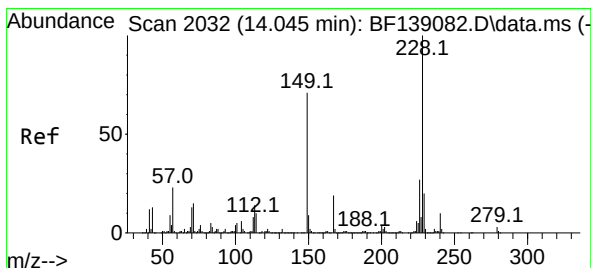
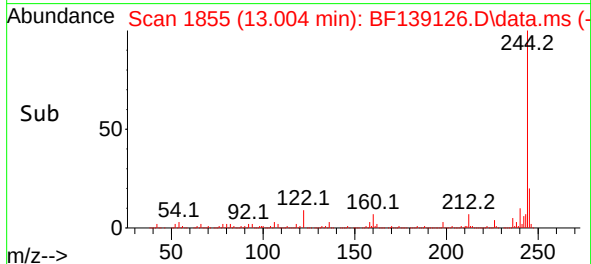
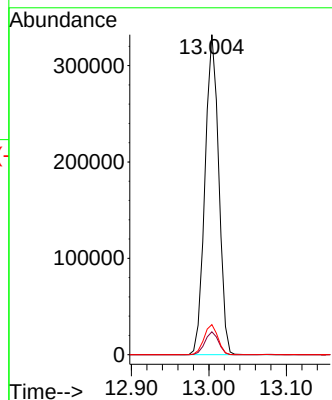
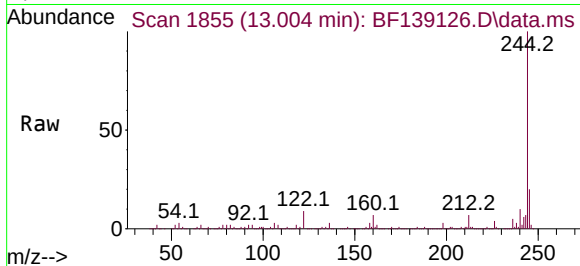




#79
 Terphenyl-d14
 Concen: 39.462 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139126.D
 Acq: 22 Aug 2024 16:51

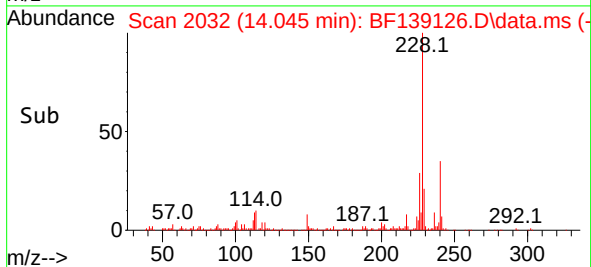
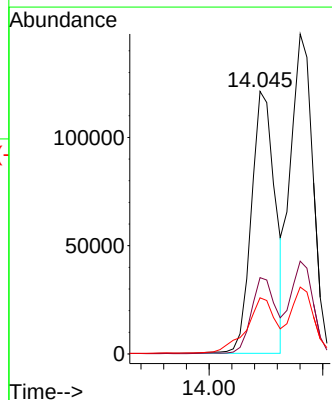
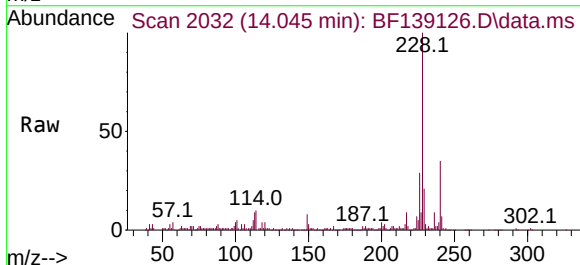
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0-0.5-081624

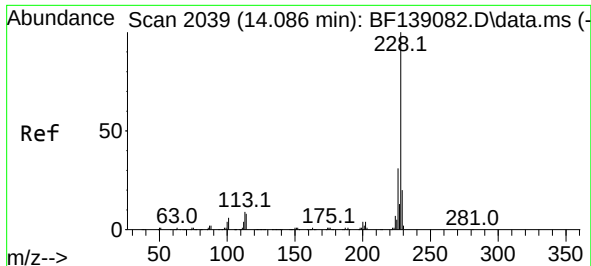
Tgt Ion:244 Resp: 409065
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.4 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 15.550 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF139126.D
 Acq: 22 Aug 2024 16:51

Tgt Ion:228 Resp: 175817
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.9 32.9
 229 21.4 16.1 24.1

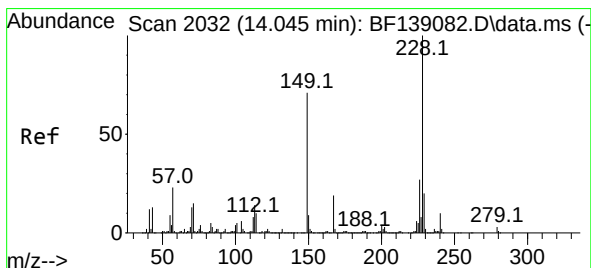
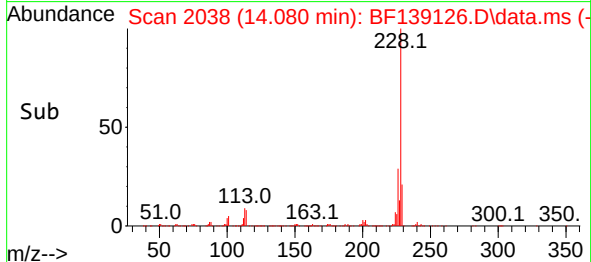
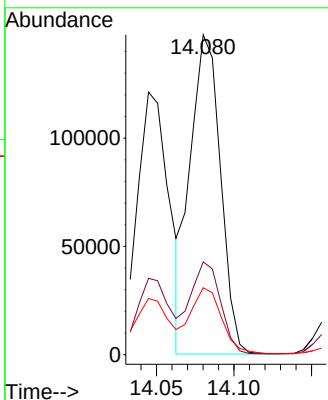
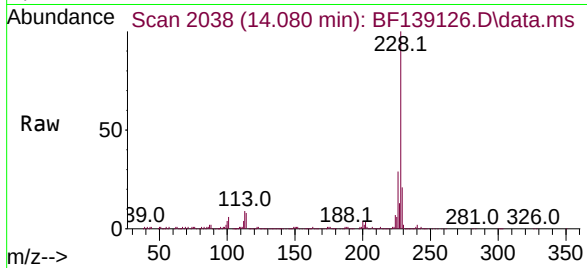




#83
Chrysene
Concen: 19.569 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

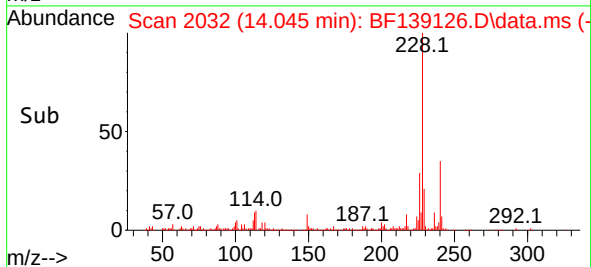
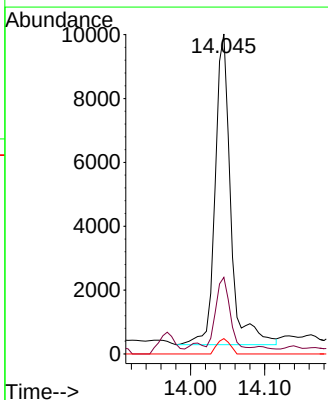
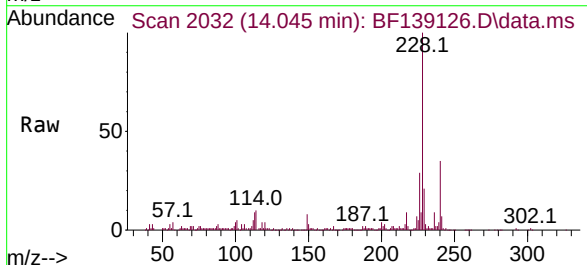
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

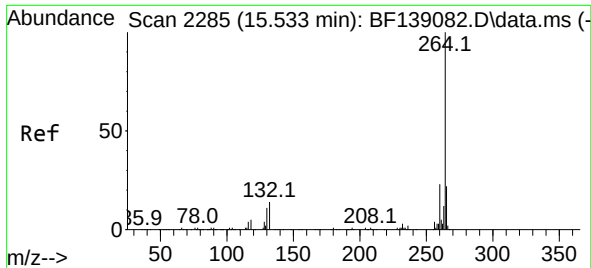
Tgt Ion:228 Resp: 200550
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.9 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.155 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

Tgt Ion:149 Resp: 14188
Ion Ratio Lower Upper
149 100
167 23.9 21.8 32.6
279 4.8 3.5 5.3

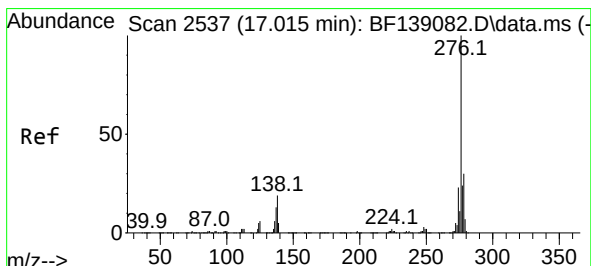
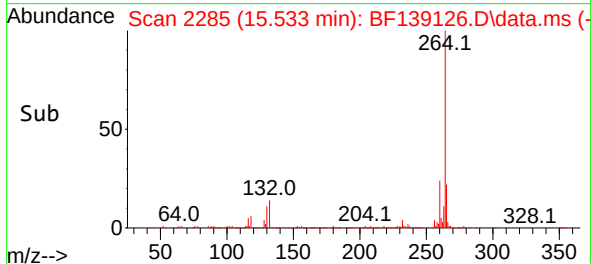
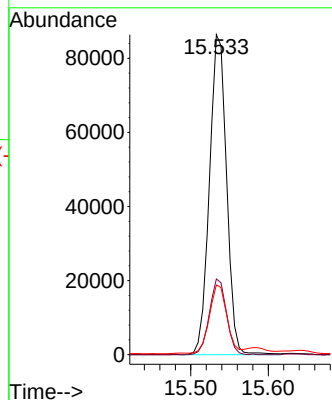
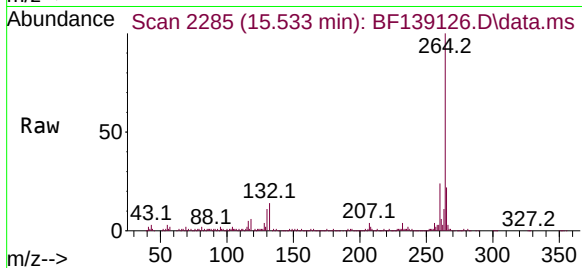




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

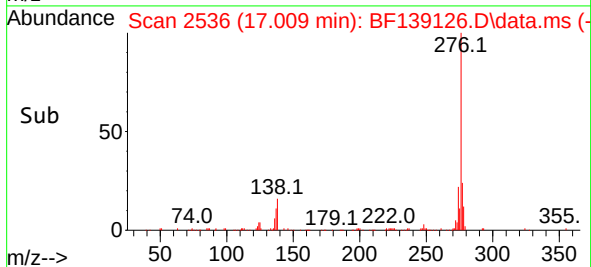
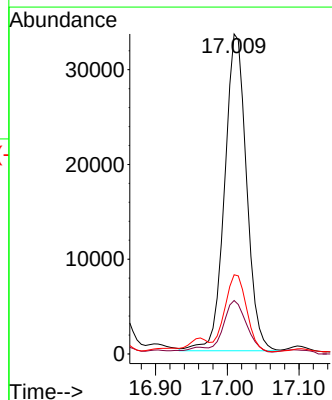
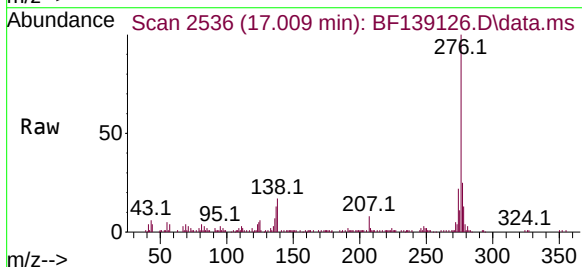
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0-0.5-081624

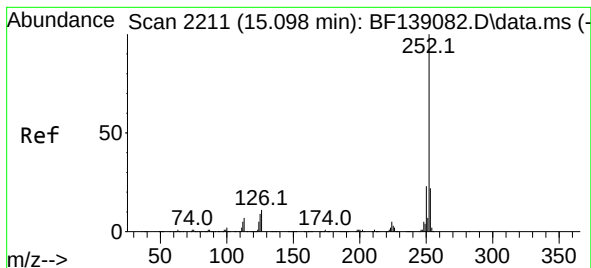
Tgt Ion:264 Resp: 132740
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.8 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.126 ng m
RT: 17.009 min Scan# 2536
Delta R.T. -0.006 min
Lab File: BF139126.D
Acq: 22 Aug 2024 16:51

Tgt Ion:276 Resp: 70897
Ion Ratio Lower Upper
276 100
138 3.7 17.3 25.9#
277 4.4 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 23.837 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

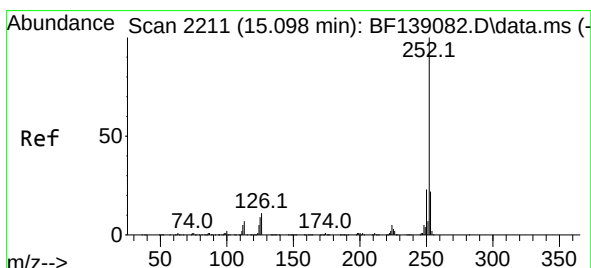
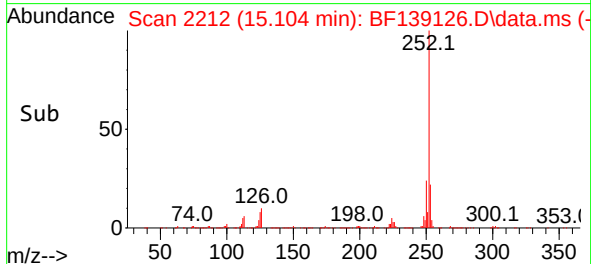
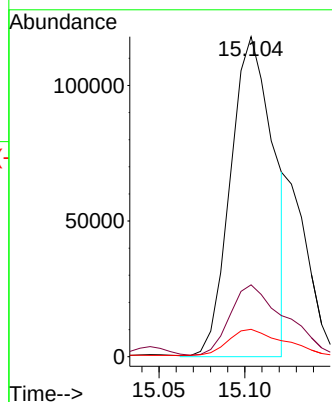
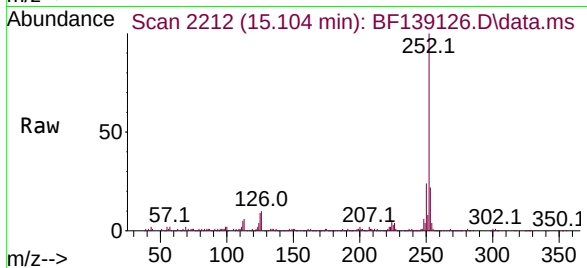
Tgt Ion:252 Resp: 206282

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 8.6 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 7.991 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

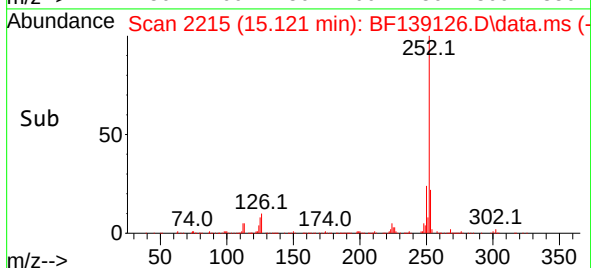
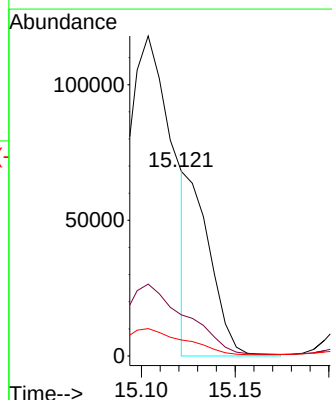
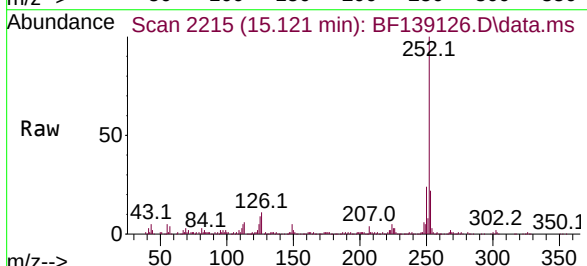
Tgt Ion:252 Resp: 57594

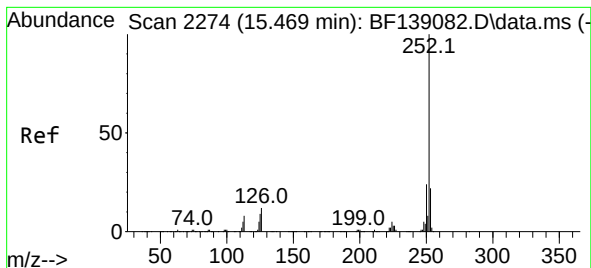
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 8.7 7.0 10.6





#90

Benzo(a)pyrene

Concen: 16.906 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624

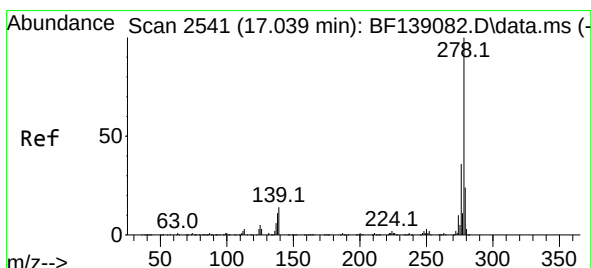
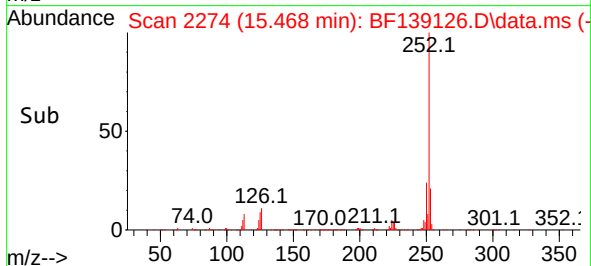
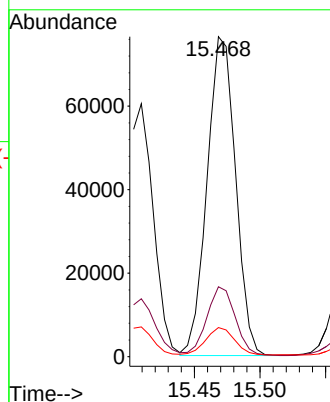
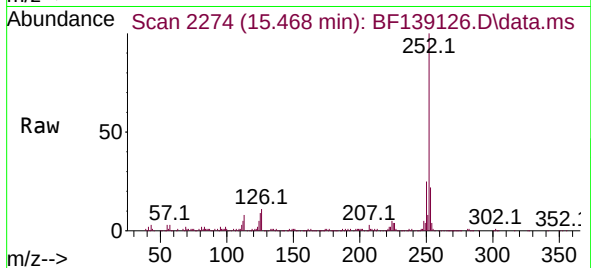
Tgt Ion:252 Resp: 115601

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.1 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 2.611 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.012 min

Lab File: BF139126.D

Acq: 22 Aug 2024 16:51

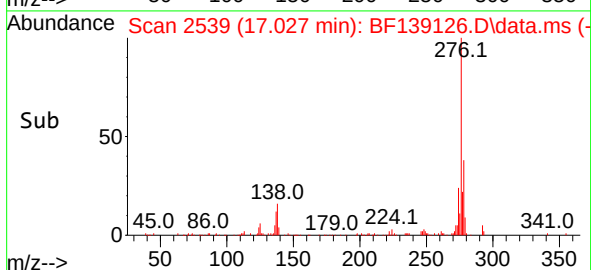
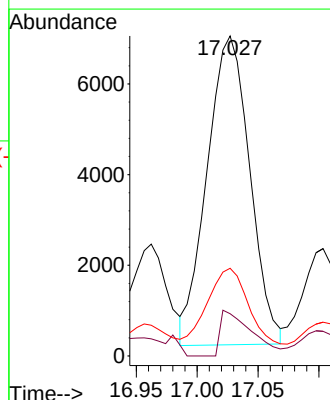
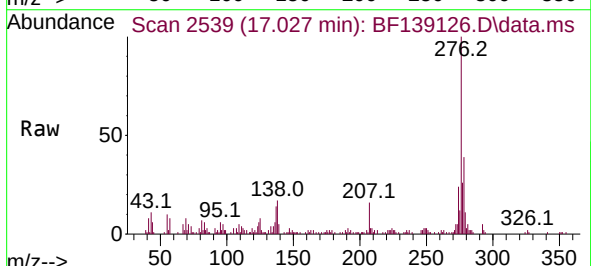
Tgt Ion:278 Resp: 16648

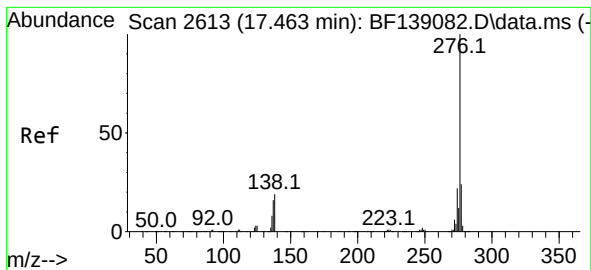
Ion Ratio Lower Upper

278 100

139 13.2 10.8 16.2

279 27.4 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 11.363 ng

RT: 17.456 min Scan# 20

Delta R.T. -0.007 min

Lab File: BF139126.D

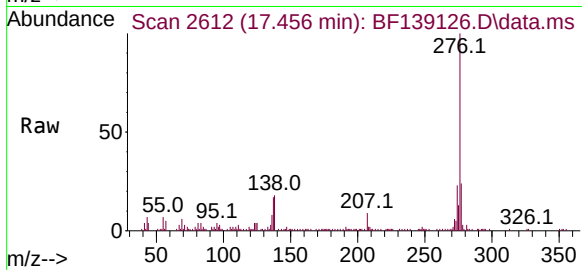
Acq: 22 Aug 2024 16:51

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0-0.5-081624



Tgt Ion:276 Resp: 66291

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 18.0 15.0 22.4

