

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139128.D
 Acq On : 22 Aug 2024 17:51
 Operator : RC/JU
 Sample : P3663-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 919-J-SD-0-1-081624

Quant Time: Aug 22 18:21:57 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)

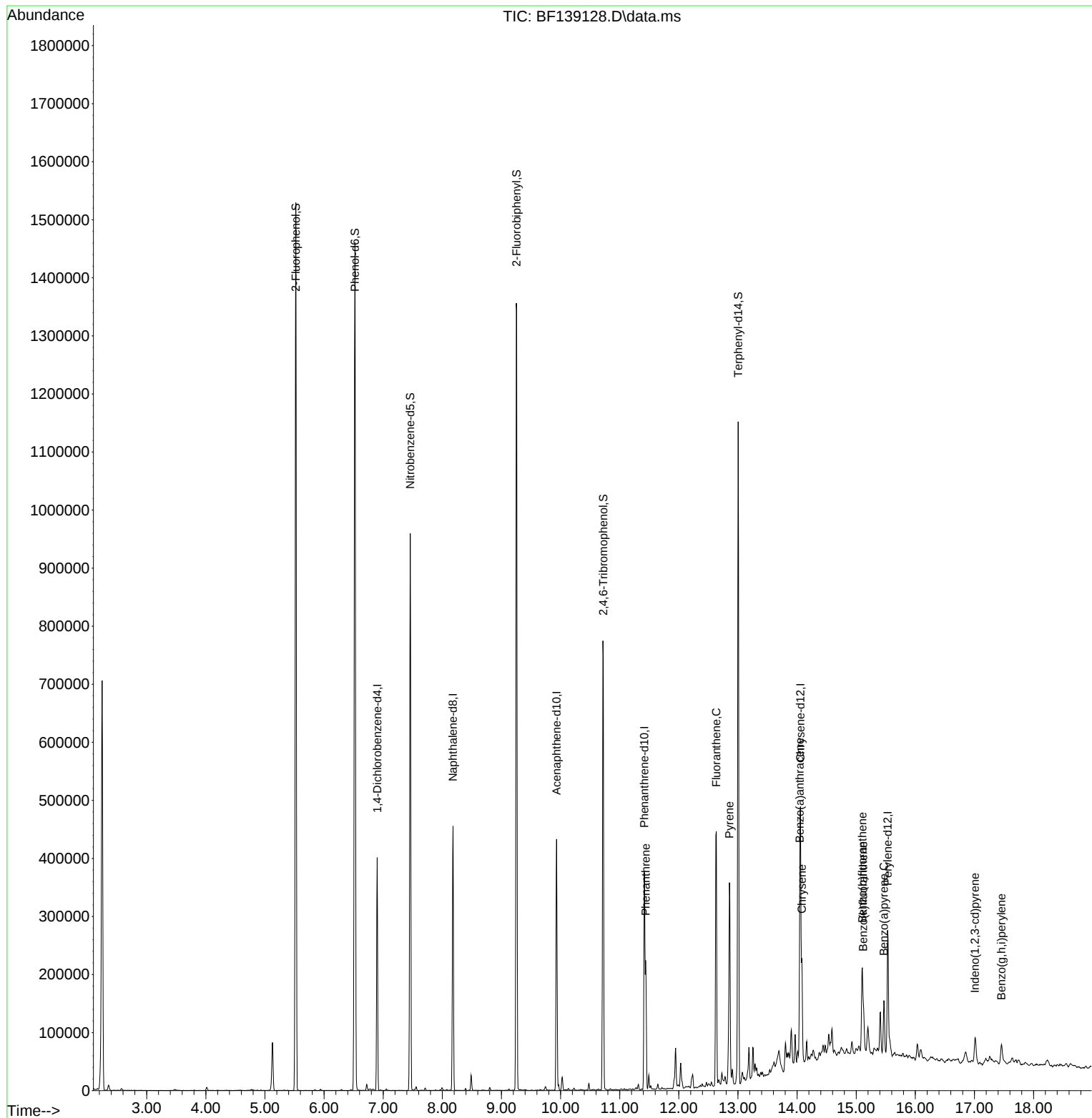
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	74682	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	259603	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	125045	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	194651	20.000	ng	0.00
76) Chrysene-d12	14.057	240	149810	20.000	ng	0.00
86) Perylene-d12	15.533	264	119715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	517807	106.673	ng	0.01
7) Phenol-d6	6.522	99	657461	104.822	ng	0.00
23) Nitrobenzene-d5	7.457	82	419234	94.100	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	119046	105.163	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	586064	74.362	ng	0.00
79) Terphenyl-d14	13.004	244	524491	58.093	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	112176	11.338	ng	99
75) Fluoranthene	12.633	202	247688	23.456	ng	99
78) Pyrene	12.857	202	189746	15.177	ng	97
81) Benzo(a)anthracene	14.045	228	83260	8.455	ng	99
83) Chrysene	14.080	228	90000	10.083	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	31727	4.528	ng	98
88) Benzo(b)fluoranthene	15.104	252	87524m	11.214	ng	
89) Benzo(k)fluoranthene	15.115	252	34903m	5.369	ng	
90) Benzo(a)pyrene	15.468	252	55135	8.940	ng	98
92) Benzo(g,h,i)perylene	17.456	276	30948	7.230	ng	100

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

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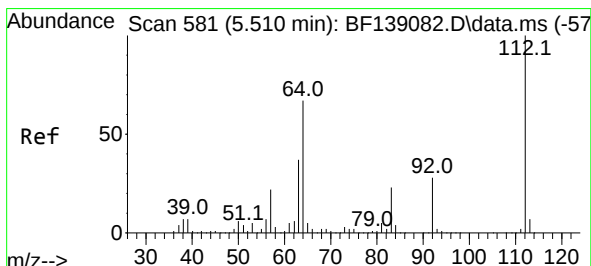
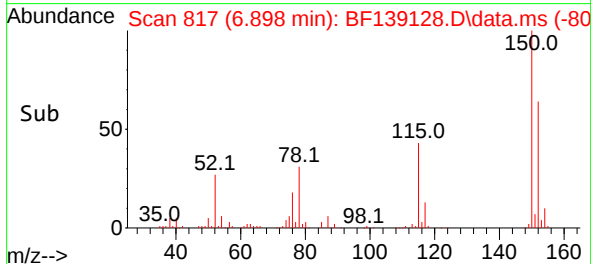
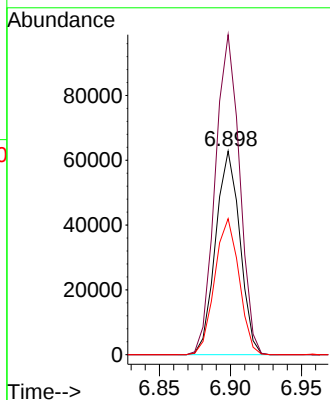
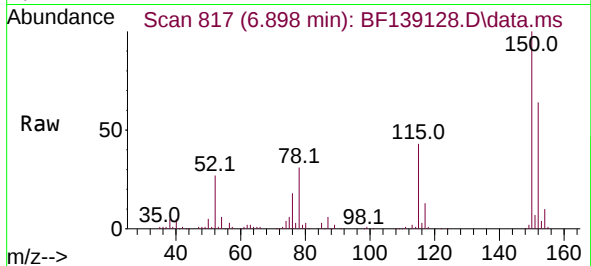




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

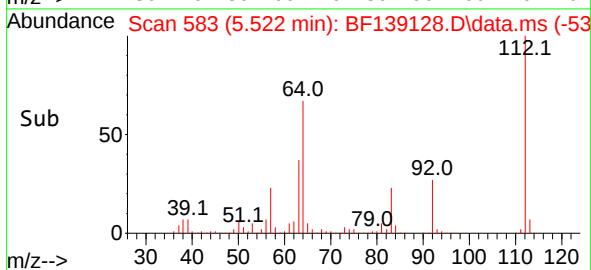
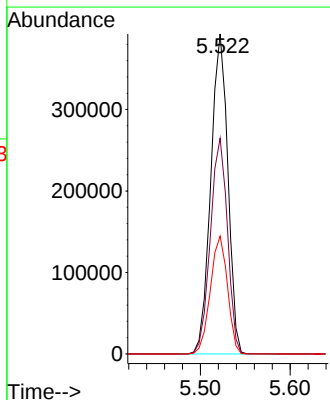
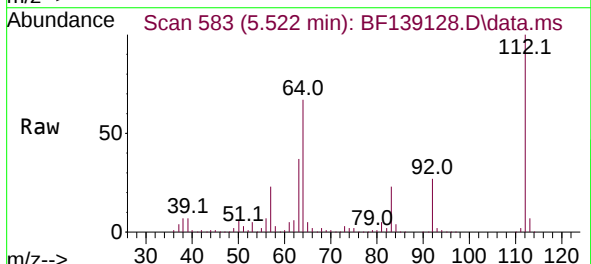
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

Tgt Ion:152 Resp: 74682
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 66.8 51.8 77.6



#5
2-Fluorophenol
Concen: 106.673 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:112 Resp: 517807
Ion Ratio Lower Upper
112 100
64 67.4 53.8 80.6
63 36.9 29.4 44.2

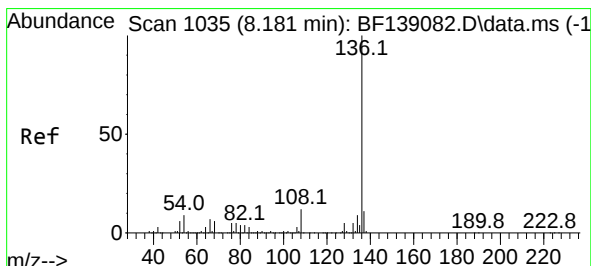
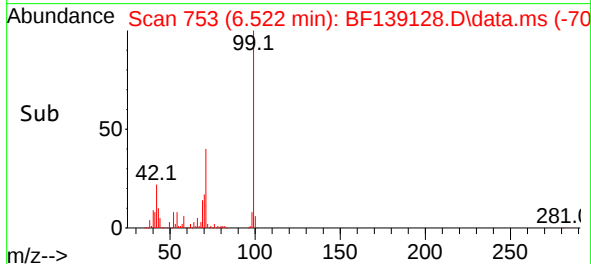
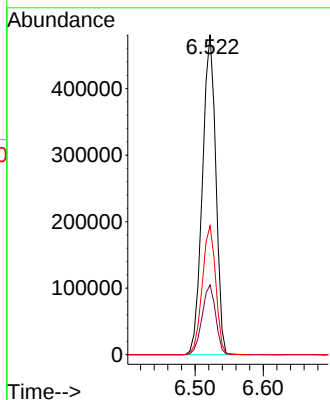
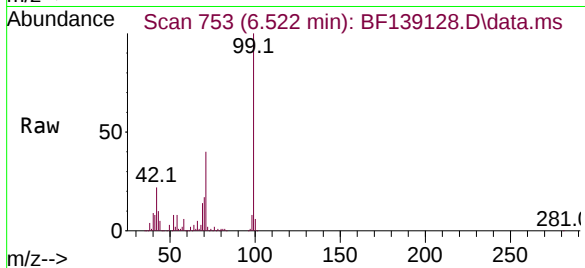




#7
Phenol-d6
Concen: 104.822 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

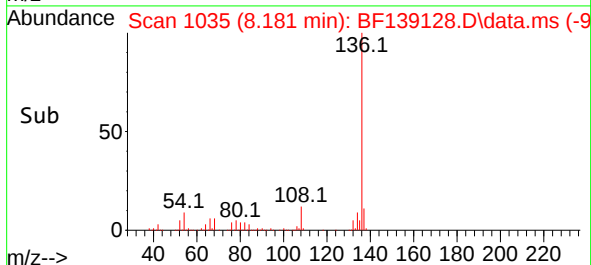
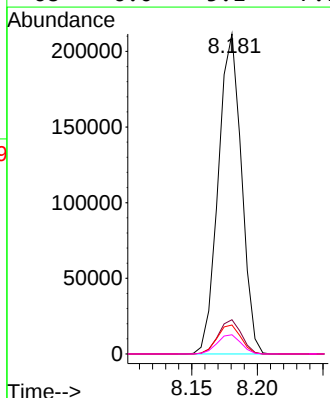
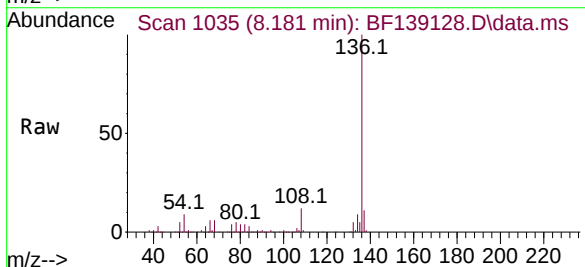
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

Tgt Ion: 99 Resp: 657461
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 40.3 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: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:136 Resp: 259603
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.1 7.6 11.4
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 94.100 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139128.D

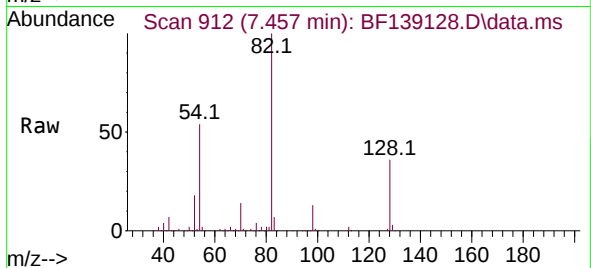
Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624



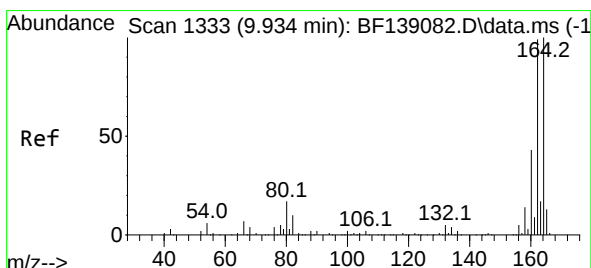
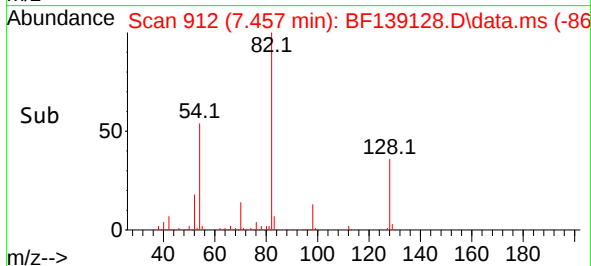
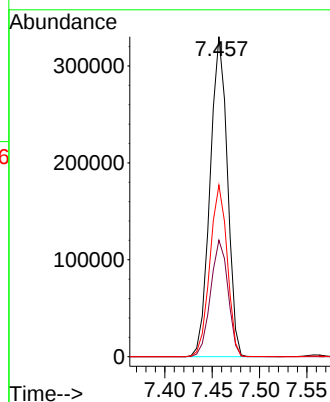
Tgt Ion: 82 Resp: 419234

Ion Ratio Lower Upper

82 100

128 36.4 29.0 43.4

54 53.6 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: BF139128.D

Acq: 22 Aug 2024 17:51

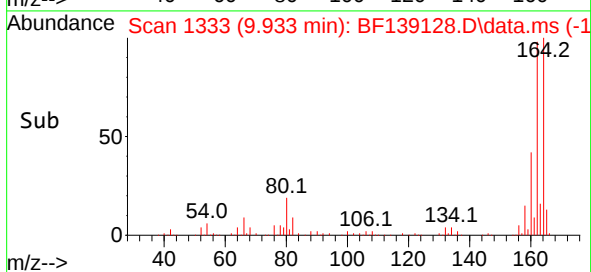
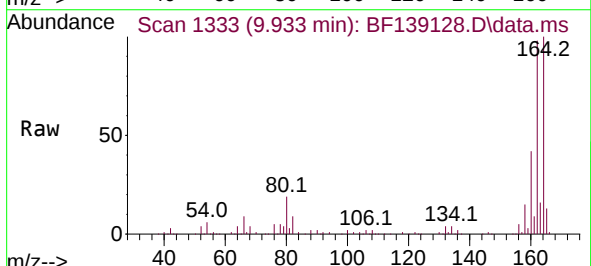
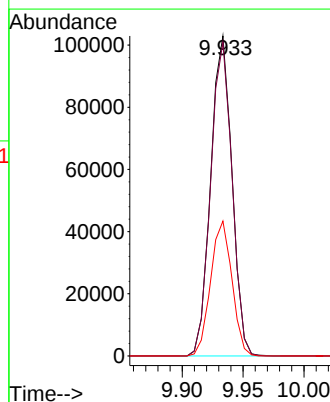
Tgt Ion: 164 Resp: 125045

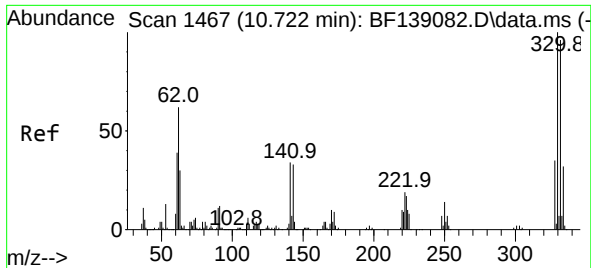
Ion Ratio Lower Upper

164 100

162 98.0 79.5 119.3

160 42.2 34.5 51.7

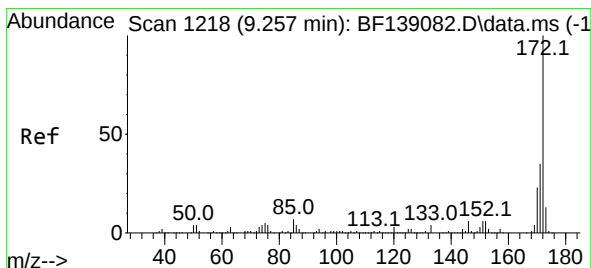
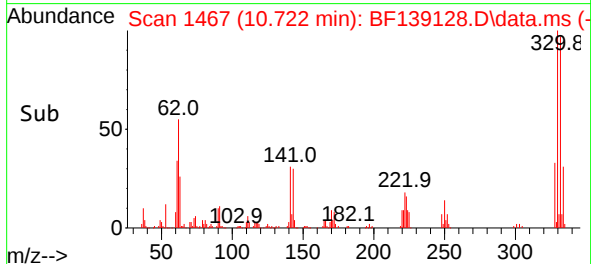
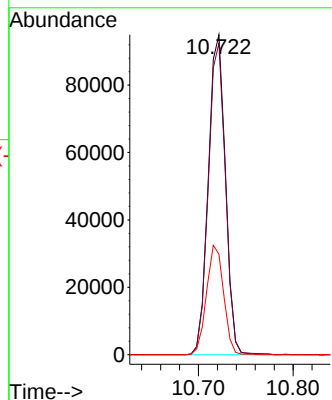
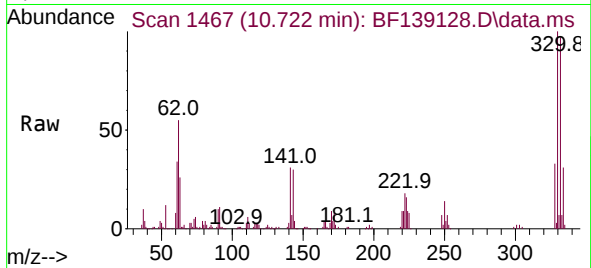




#42
2,4,6-Tribromophenol
Concen: 105.163 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

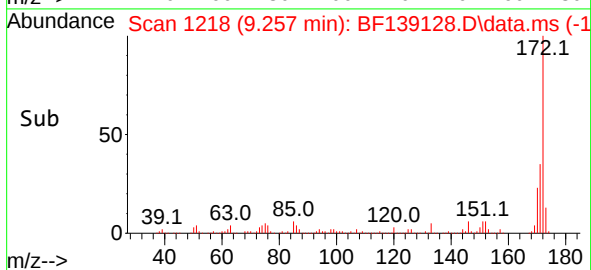
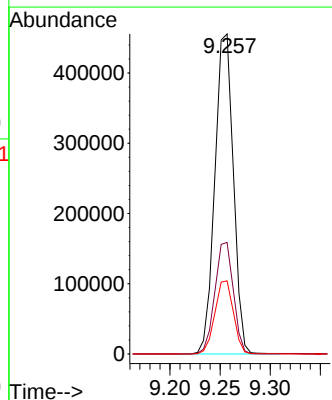
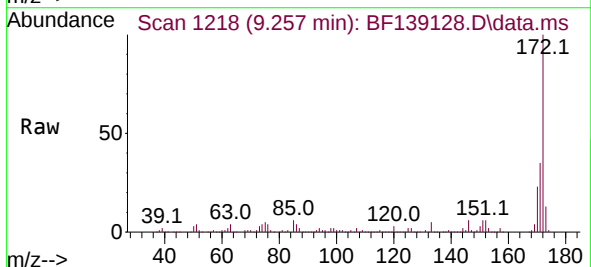
Instrument :
BNA_F
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919-J-SD-0-1-081624

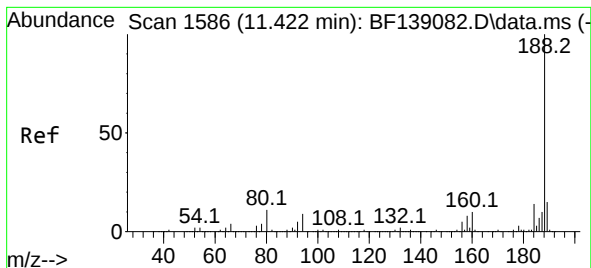
Tgt Ion:330 Resp: 119046
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 34.3 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 74.362 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:172 Resp: 586064
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 22.9 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: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

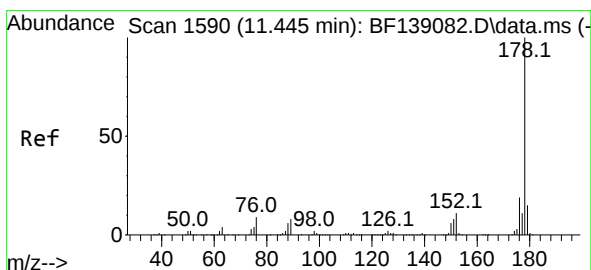
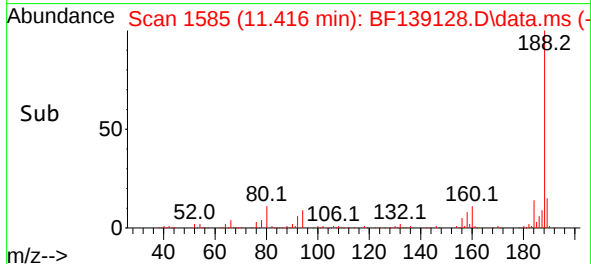
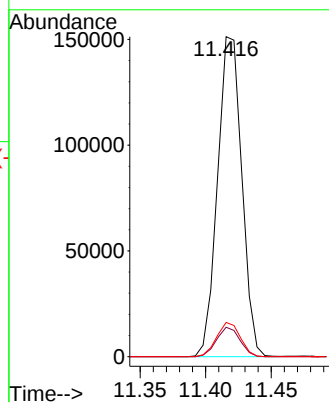
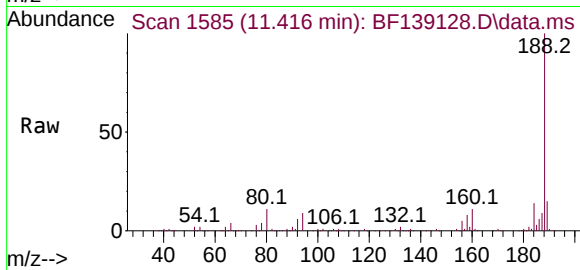
Tgt Ion:188 Resp: 194651

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 10.7 8.5 12.7



#71

Phenanthrene

Concen: 11.338 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

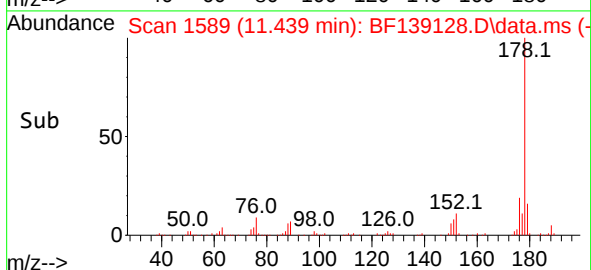
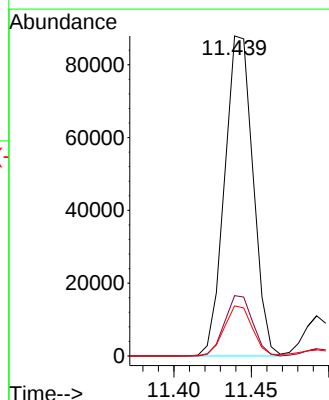
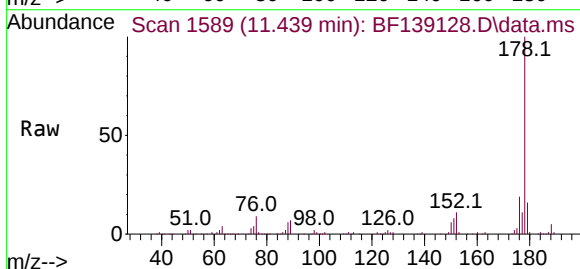
Tgt Ion:178 Resp: 112176

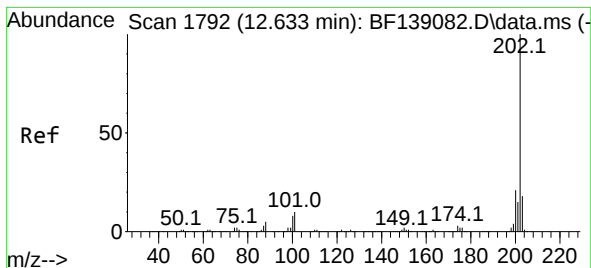
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.7 12.3 18.5





#75

Fluoranthene

Concen: 23.456 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

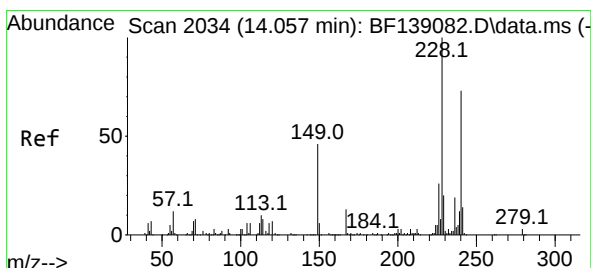
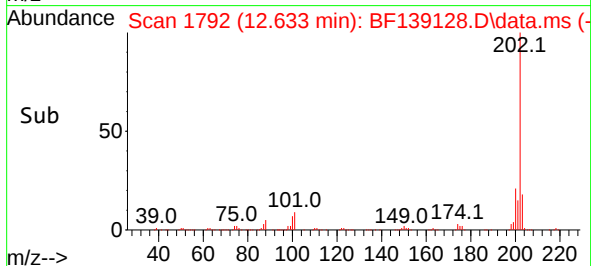
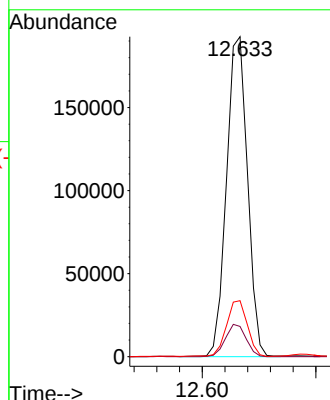
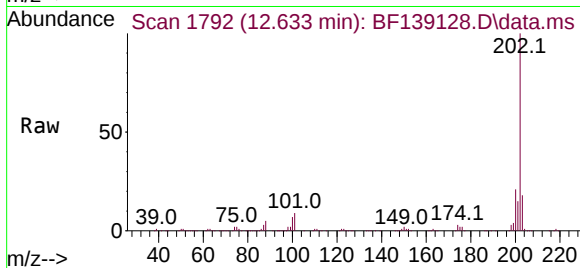
Tgt Ion:202 Resp: 247688

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.2

203 17.5 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: BF139128.D

Acq: 22 Aug 2024 17:51

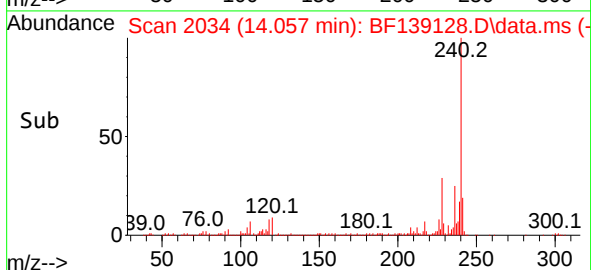
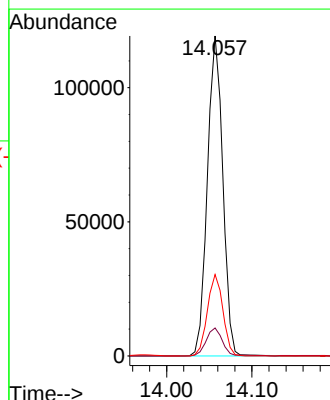
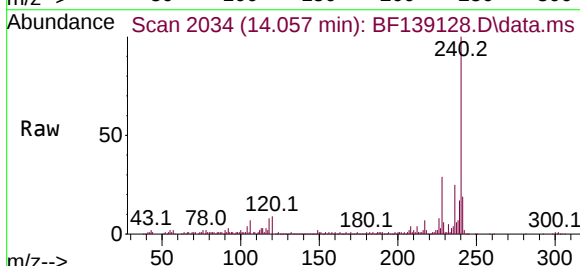
Tgt Ion:240 Resp: 149810

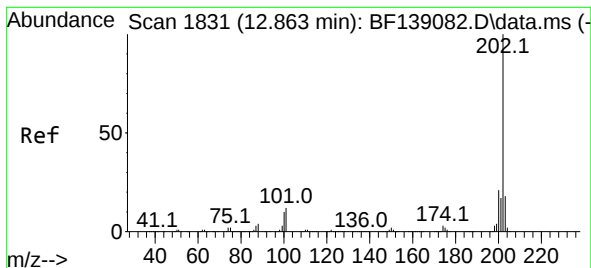
Ion Ratio Lower Upper

240 100

120 8.8 7.8 11.6

236 25.5 20.9 31.3





#78

Pyrene

Concen: 15.177 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139128.D

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Instrument :

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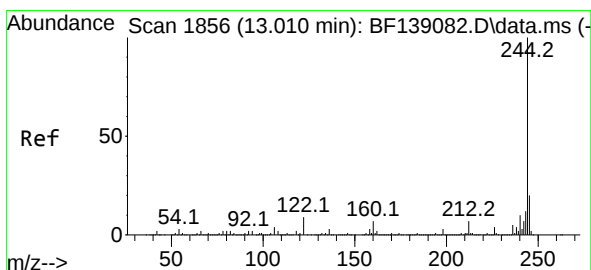
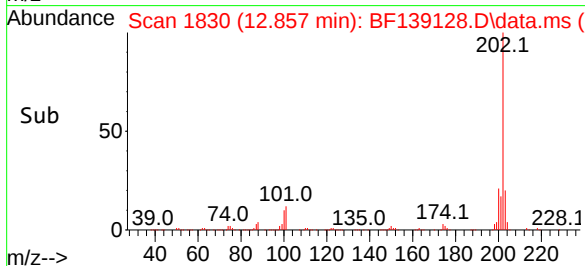
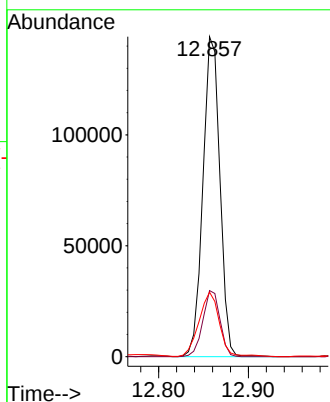
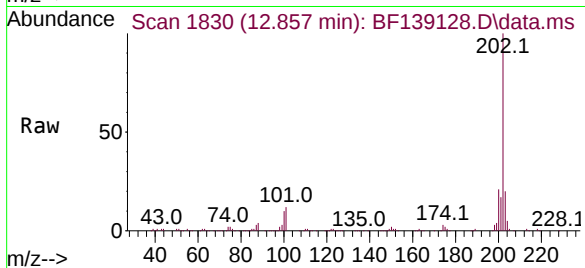
Tgt Ion:202 Resp: 189746

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 20.1 14.1 21.1



#79

Terphenyl-d14

Concen: 58.093 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

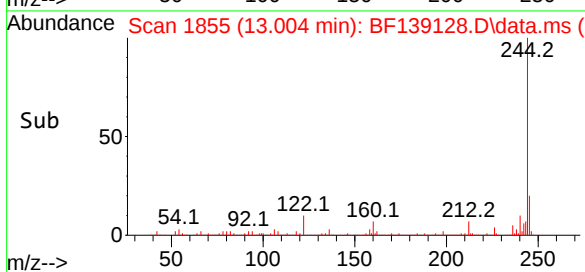
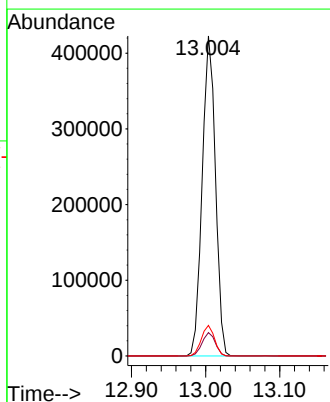
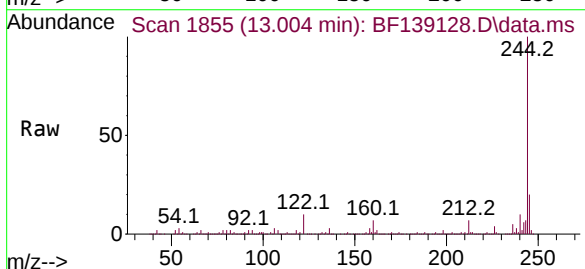
Tgt Ion:244 Resp: 524491

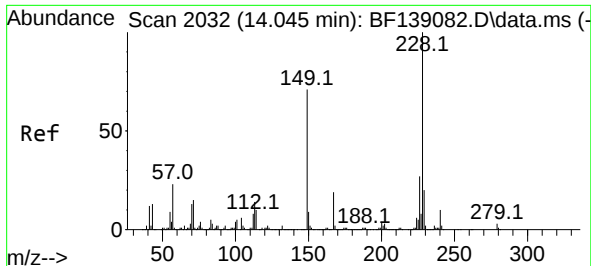
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.5 7.6 11.4

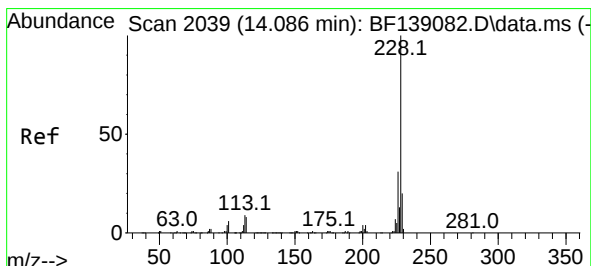
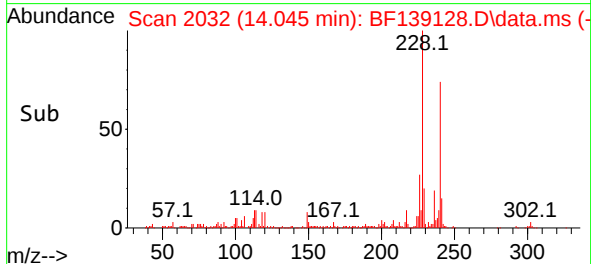
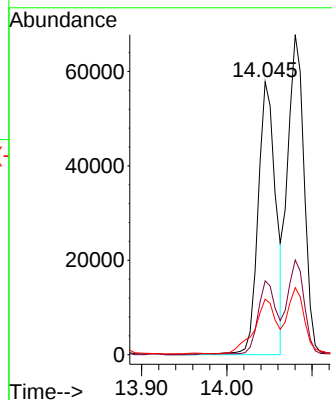
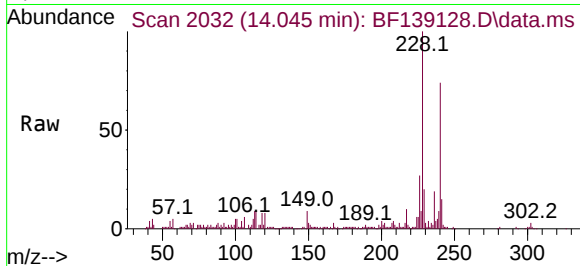




#81
Benzo(a)anthracene
Concen: 8.455 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

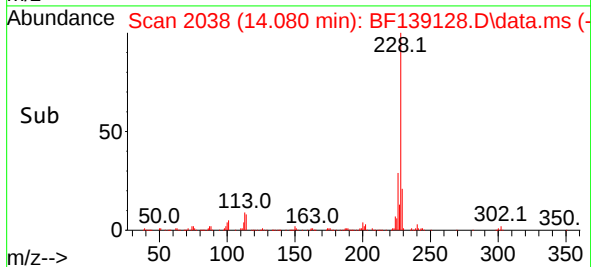
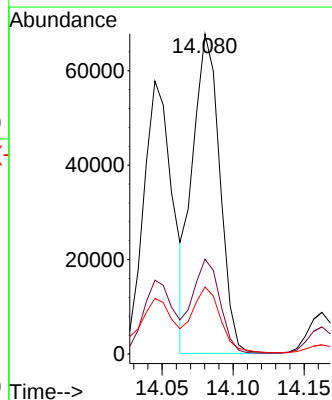
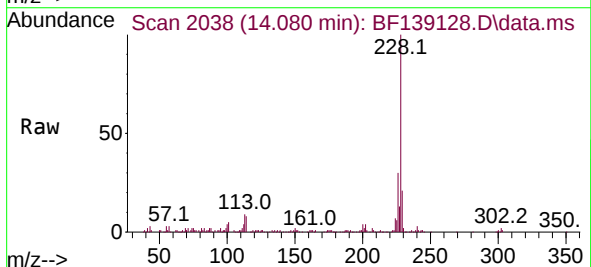
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

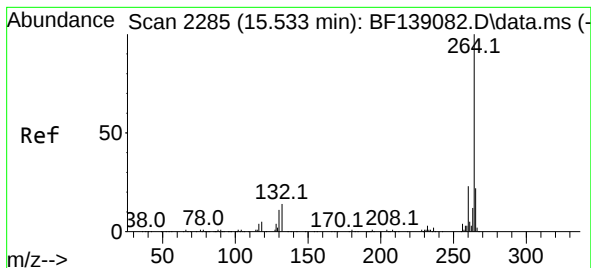
Tgt Ion:228 Resp: 83260
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 20.4 16.1 24.1



#83
Chrysene
Concen: 10.083 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:228 Resp: 90000
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

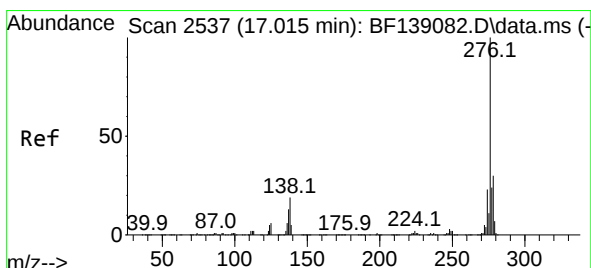
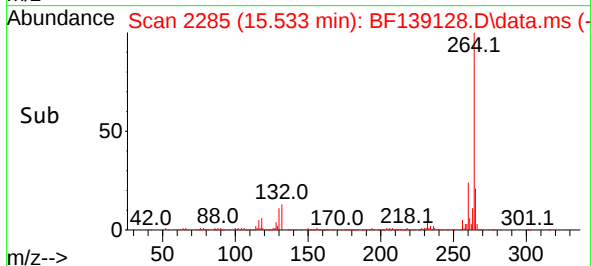
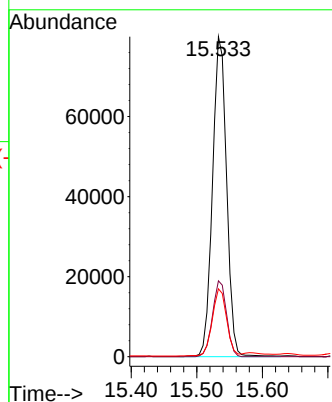
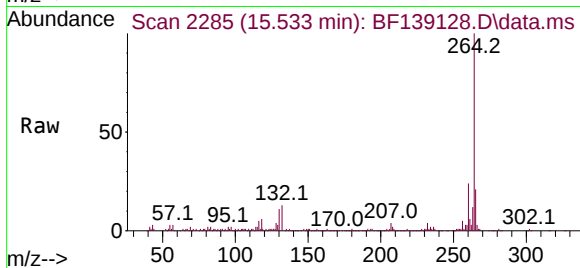
Tgt Ion:264 Resp: 119715

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.528 ng

RT: 17.009 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

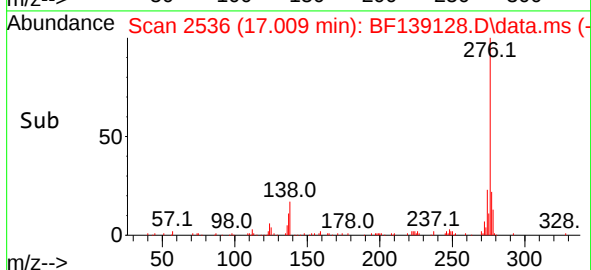
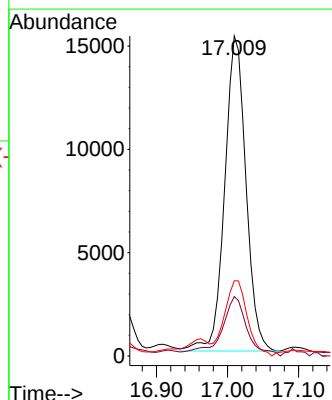
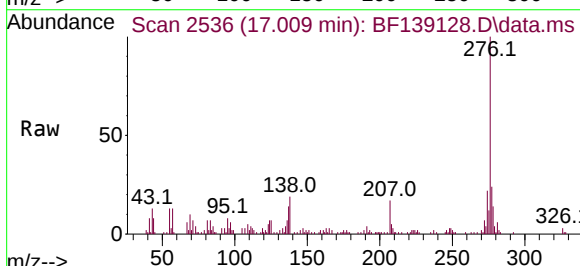
Tgt Ion:276 Resp: 31727

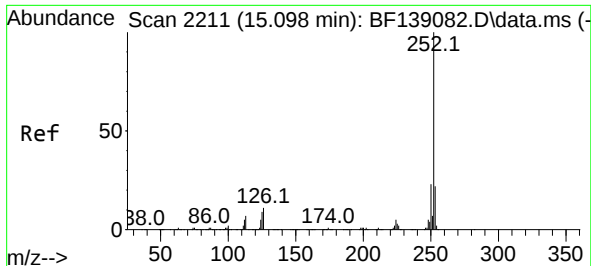
Ion Ratio Lower Upper

276 100

138 22.9 17.3 25.9

277 25.8 20.2 30.4

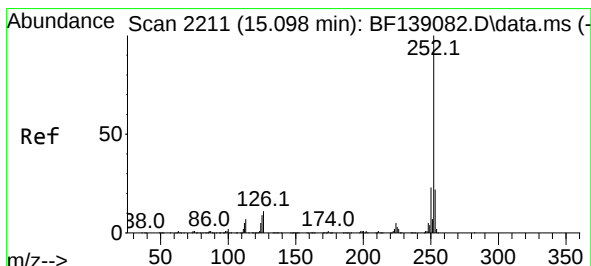
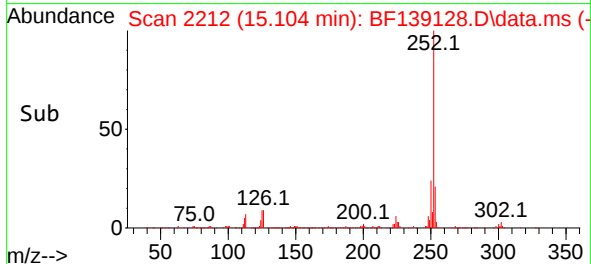
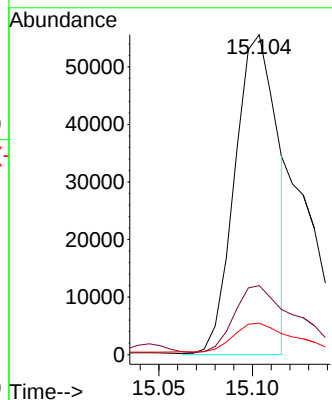
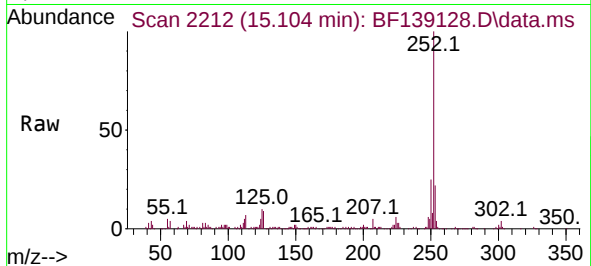




#88
Benzo(b)fluoranthene
Concen: 11.214 ng m
RT: 15.104 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

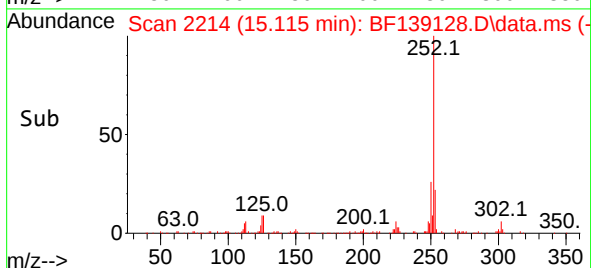
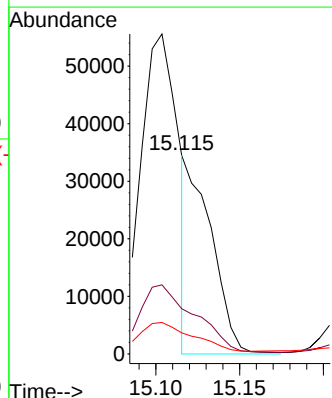
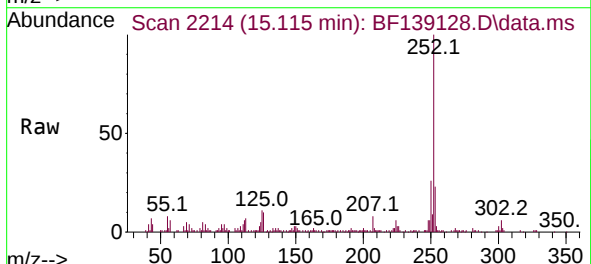
Instrument :
BNA_F
ClientSampleId :
919-J-SD-0-1-081624

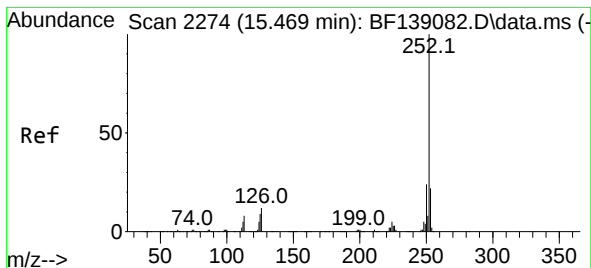
Tgt Ion:252 Resp: 87524
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 9.9 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 5.369 ng m
RT: 15.115 min Scan# 2214
Delta R.T. -0.018 min
Lab File: BF139128.D
Acq: 22 Aug 2024 17:51

Tgt Ion:252 Resp: 34903
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.7 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 8.940 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Instrument :

BNA_F

ClientSampleId :

919-J-SD-0-1-081624

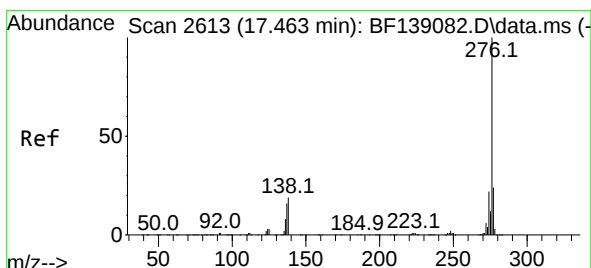
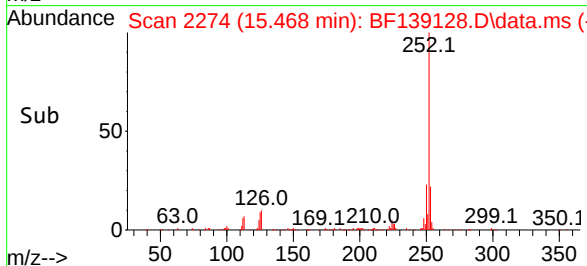
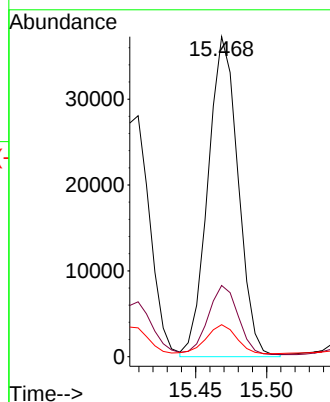
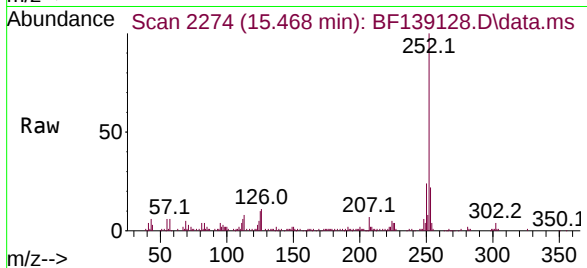
Tgt Ion:252 Resp: 55135

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.0 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 7.230 ng

RT: 17.456 min Scan# 2612

Delta R.T. -0.007 min

Lab File: BF139128.D

Acq: 22 Aug 2024 17:51

Tgt Ion:276 Resp: 30948

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 18.8 15.0 22.4

