

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139133.D
 Acq On : 22 Aug 2024 20:20
 Operator : RC/JU
 Sample : P3641-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-909-K1-0-0.5-081524

Quant Time: Aug 23 00:36:38 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)

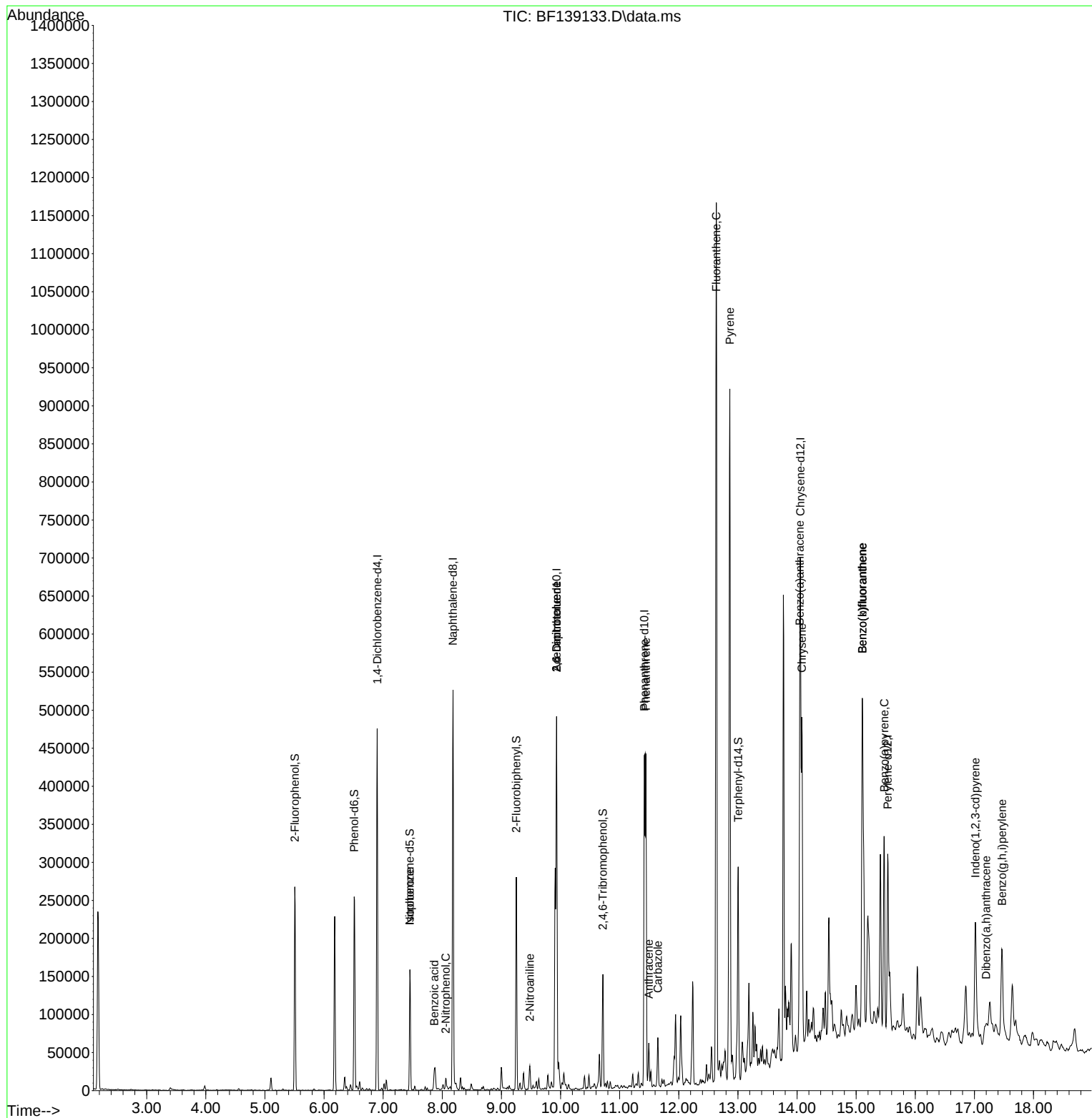
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	89053	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	293932	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	136439	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	225668	20.000	ng	0.00
76) Chrysene-d12	14.057	240	167350	20.000	ng	0.00
86) Perylene-d12	15.533	264	130180	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	87066	15.042	ng	0.00
7) Phenol-d6	6.510	99	106938	14.298	ng	-0.01
23) Nitrobenzene-d5	7.451	82	65044	12.895	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	19464	15.758	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	111651	12.984	ng	0.00
79) Terphenyl-d14	13.004	244	122676	12.163	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.451	82	64940	6.057	ng	# 69
26) 2-Nitrophenol	8.057	139	124	5.649	ng	# 1
32) Benzoic acid	7.863	122	6483	10.239	ng	96
48) 2-Nitroaniline	9.481	65	1824	6.396	ng	# 19
51) 2,6-Dinitrotoluene	9.934	165	17526	13.914	ng	# 16
57) 2,4-Dinitrotoluene	9.934	165	17526	12.864	ng	# 17
71) Phenanthrene	11.445	178	230233	20.072	ng	99
72) Anthracene	11.492	178	32185	2.869	ng	99
73) Carbazole	11.645	167	31944	3.050	ng	98
75) Fluoranthene	12.633	202	633164	51.718	ng	99
78) Pyrene	12.863	202	496234	35.533	ng	99
81) Benzo(a)anthracene	14.045	228	200654	18.240	ng	97
83) Chrysene	14.080	228	233964	23.464	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	118437	15.545	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	378327	44.578	ng	99
89) Benzo(k)fluoranthene	15.104	252	378327	53.523	ng	99
90) Benzo(a)pyrene	15.474	252	153494	22.889	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	12835	2.052	ng	94
92) Benzo(g,h,i)perylene	17.468	276	113119	17.704	ng	97

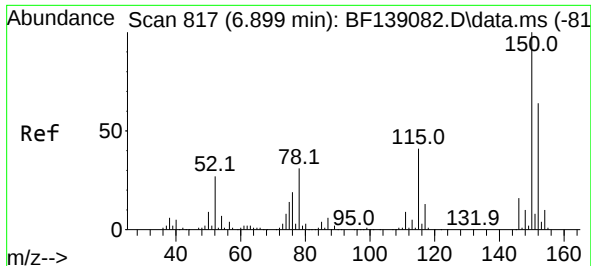
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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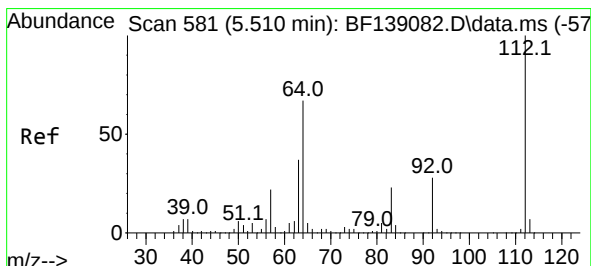
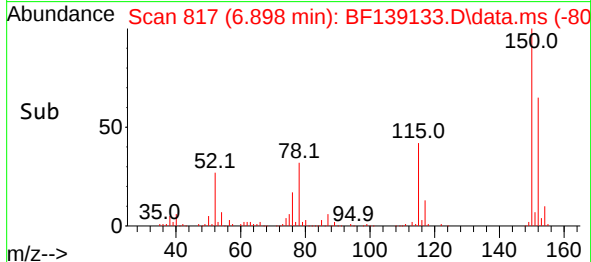
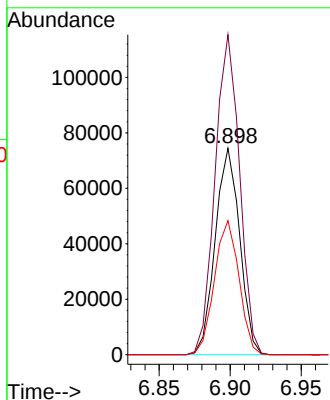
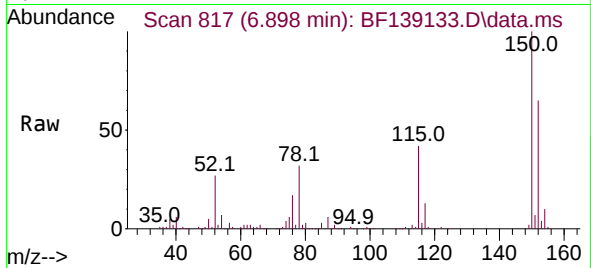




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

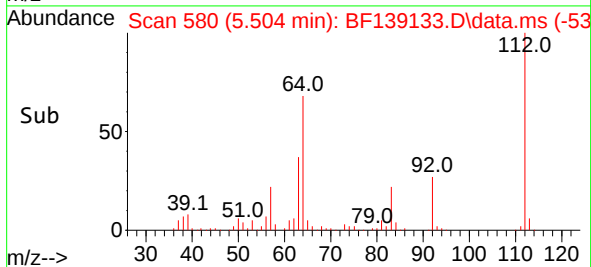
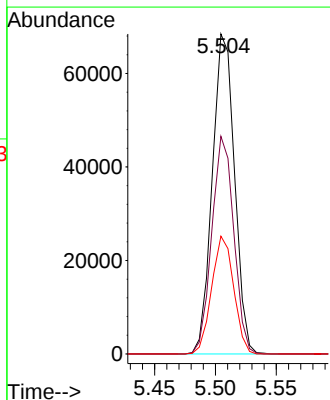
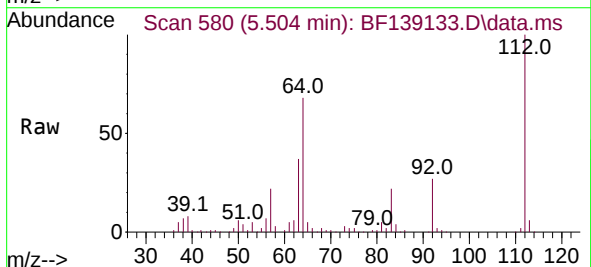
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

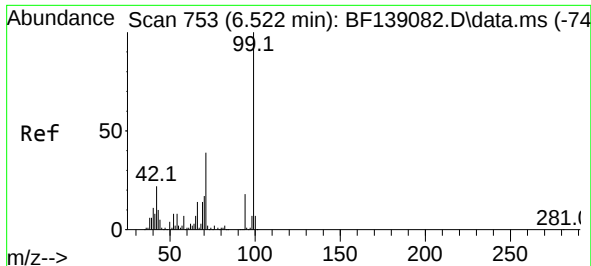
Tgt Ion:152 Resp: 89053
Ion Ratio Lower Upper
152 100
150 155.0 125.1 187.7
115 64.9 51.8 77.6



#5
2-Fluorophenol
Concen: 15.042 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:112 Resp: 87066
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 36.8 29.4 44.2

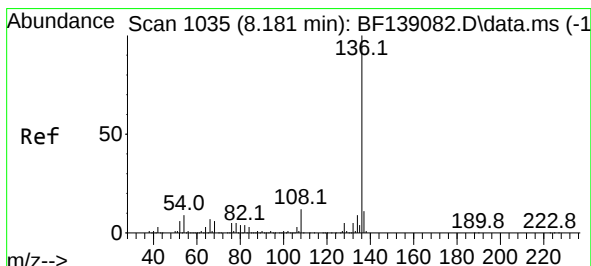
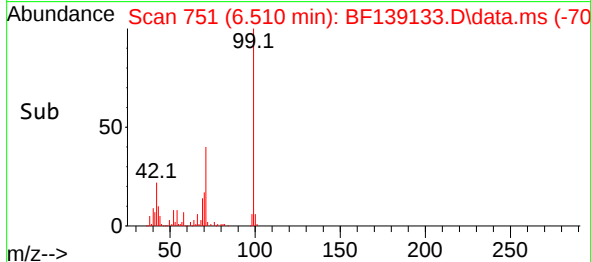
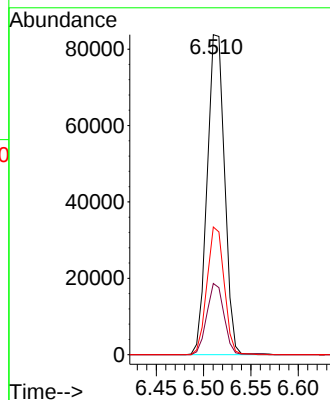
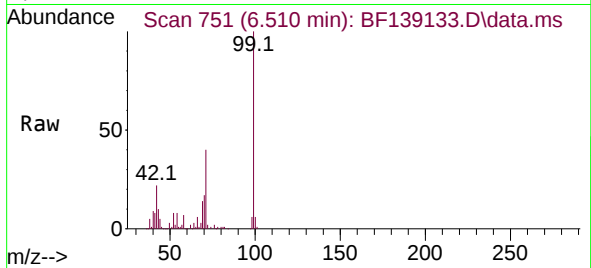




#7
Phenol-d6
Concen: 14.298 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

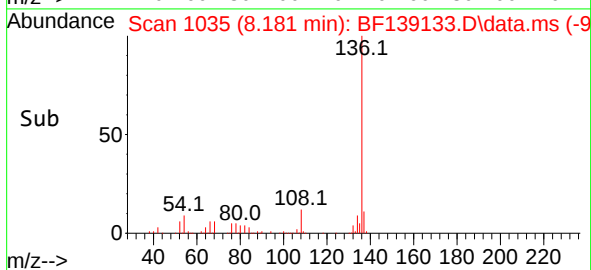
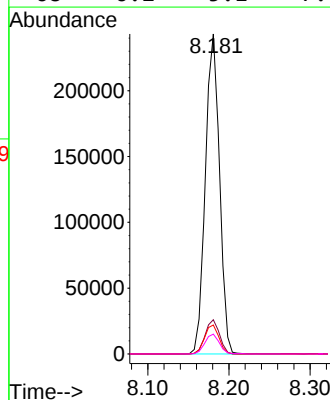
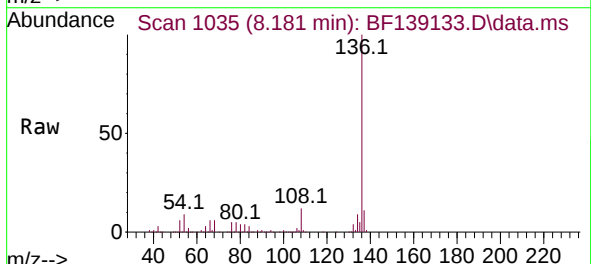
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

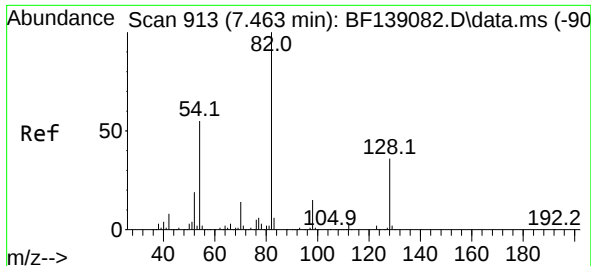
Tgt Ion: 99 Resp: 106938
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 39.9 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion: 136 Resp: 293932
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.0 7.6 11.4
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 12.895 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

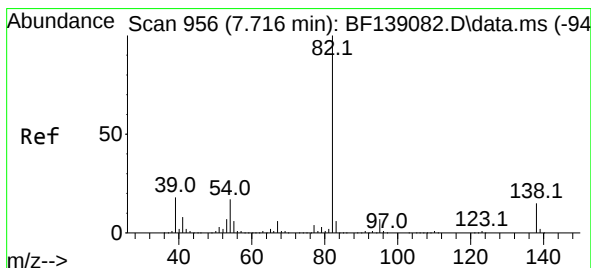
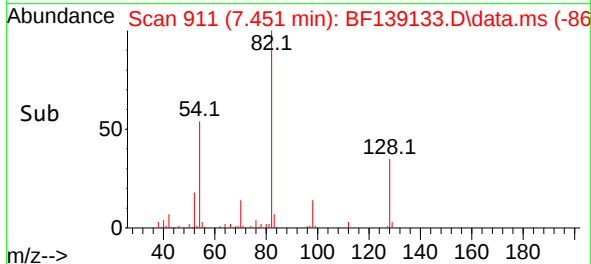
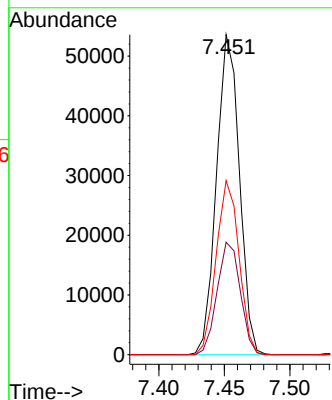
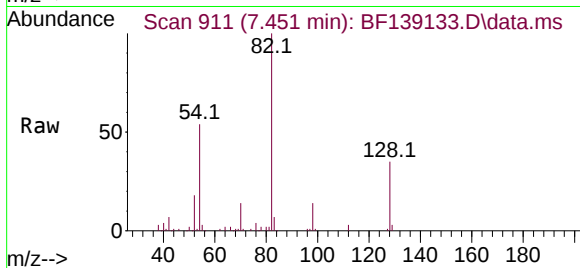
Tgt Ion: 82 Resp: 65044

Ion Ratio Lower Upper

82 100

128 35.2 29.0 43.4

54 54.4 43.4 65.2



#25

Isophorone

Concen: 6.057 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

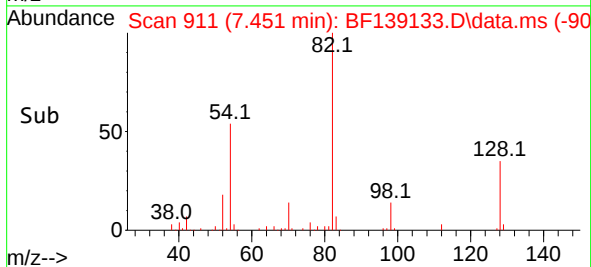
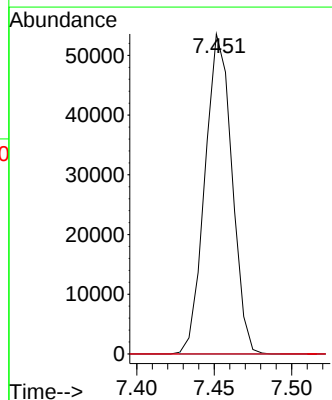
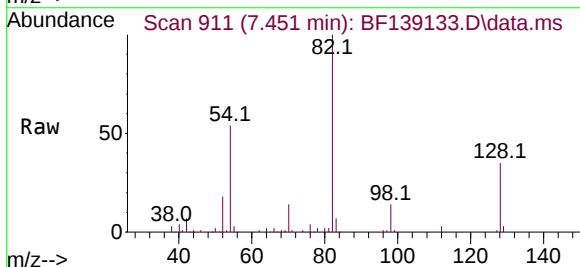
Tgt Ion: 82 Resp: 64940

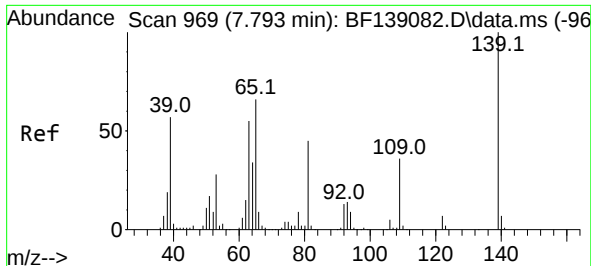
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 11.8 17.8#





#26

2-Nitrophenol

Concen: 5.649 ng

RT: 8.057 min Scan# 1014

Delta R.T. 0.264 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

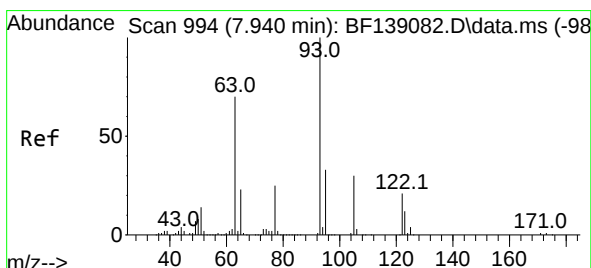
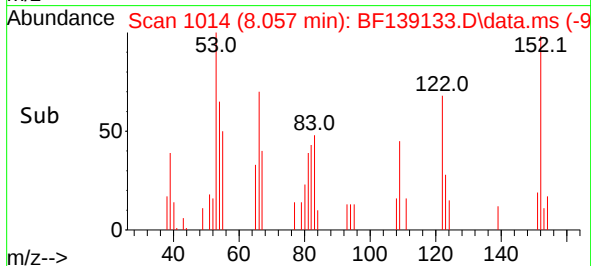
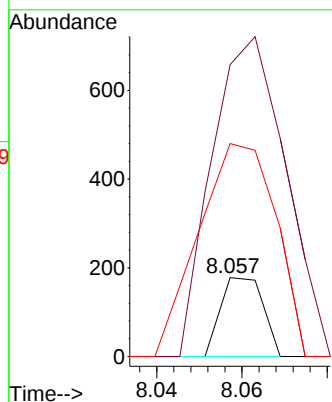
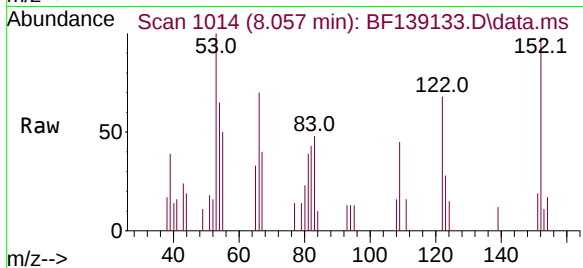
Tgt Ion:139 Resp: 124

Ion Ratio Lower Upper

139 100

109 369.7 29.2 43.8#

65 269.7 52.7 79.1#



#32

Benzoic acid

Concen: 10.239 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.077 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

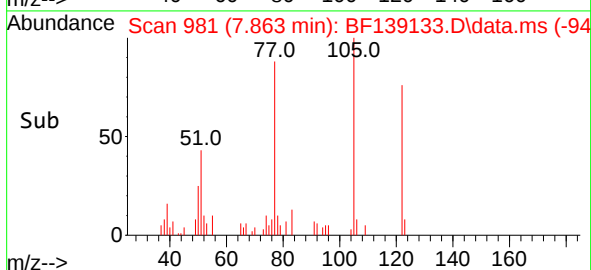
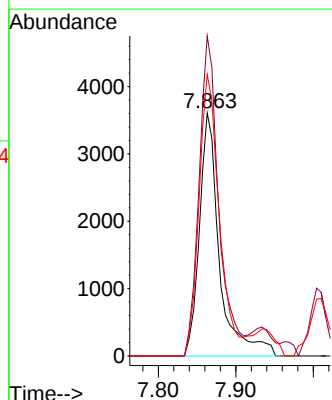
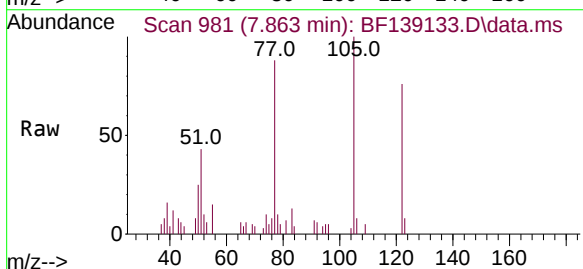
Tgt Ion:122 Resp: 6483

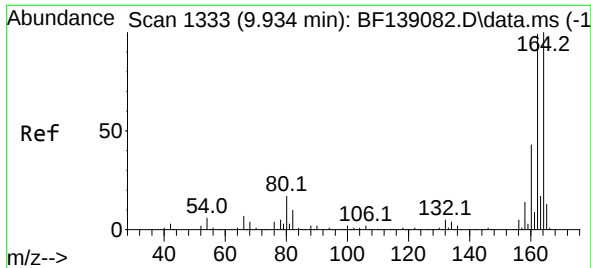
Ion Ratio Lower Upper

122 100

105 131.6 119.6 159.6

77 115.8 97.6 137.6

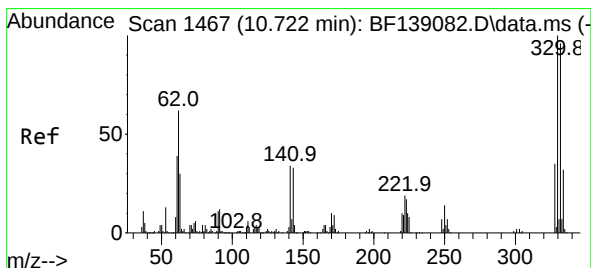
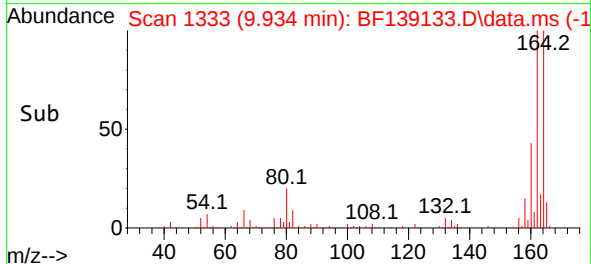
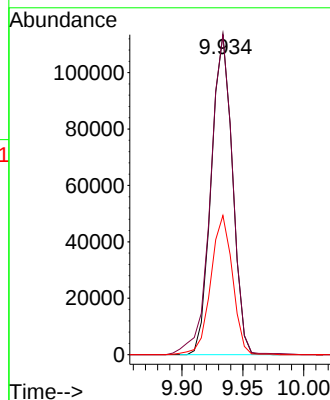
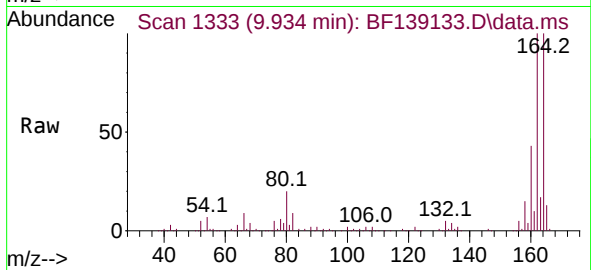




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

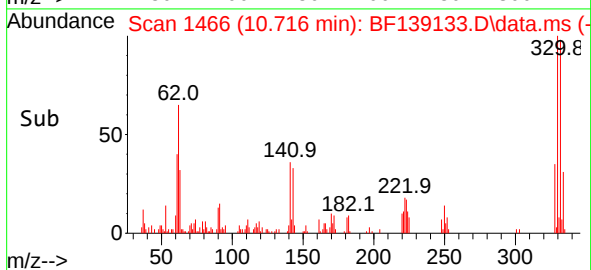
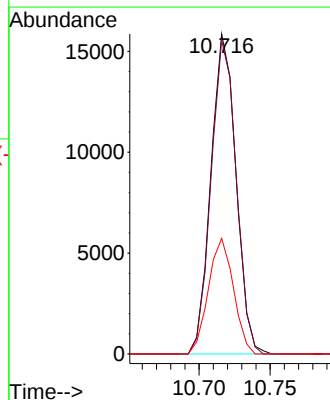
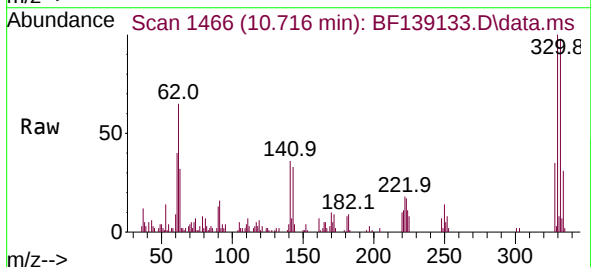
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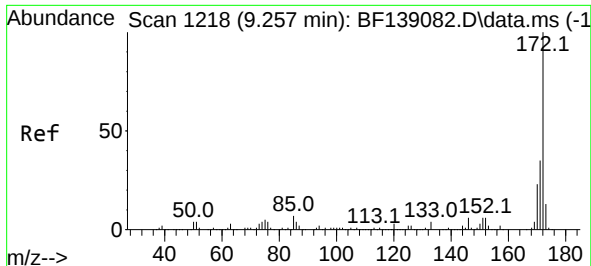
Tgt Ion:164 Resp: 136439
Ion Ratio Lower Upper
164 100
162 100.0 79.5 119.3
160 43.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 15.758 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:330 Resp: 19464
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.6
141 36.1 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 12.984 ng

RT: 9.251 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

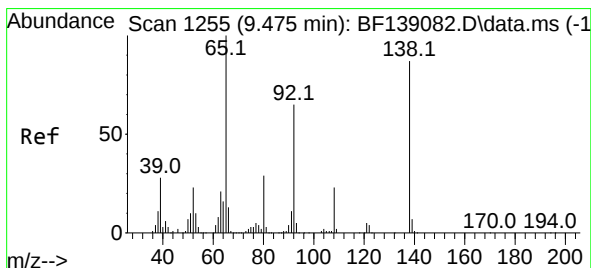
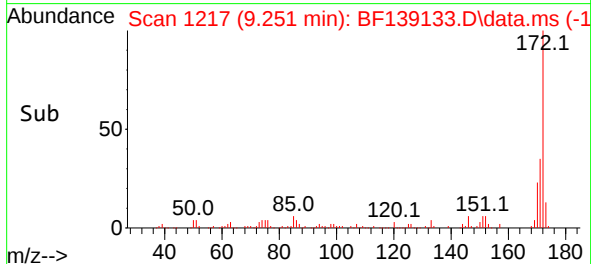
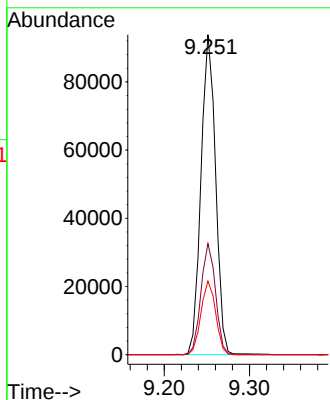
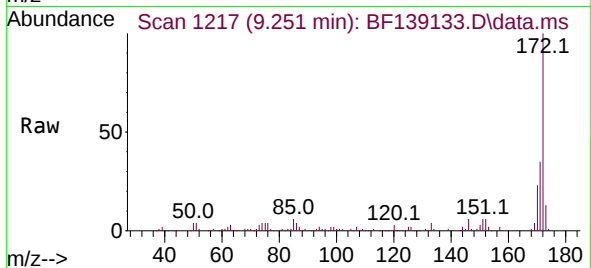
Tgt Ion:172 Resp: 111651

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.0 18.8 28.2



#48

2-Nitroaniline

Concen: 6.396 ng

RT: 9.481 min Scan# 1256

Delta R.T. 0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

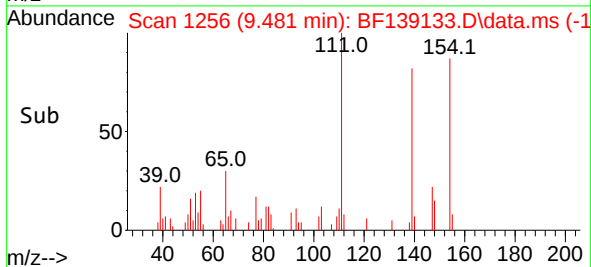
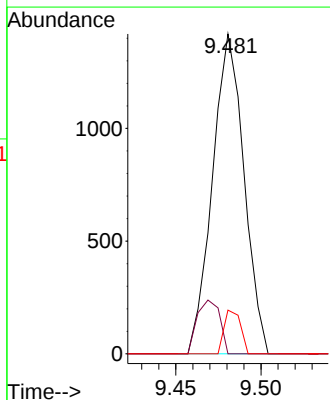
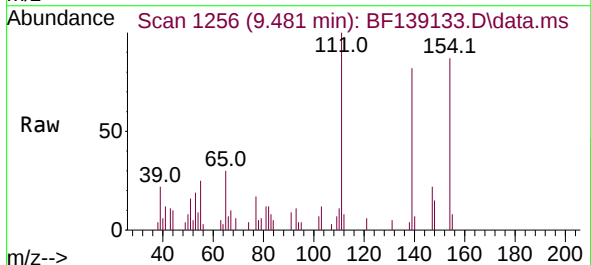
Tgt Ion: 65 Resp: 1824

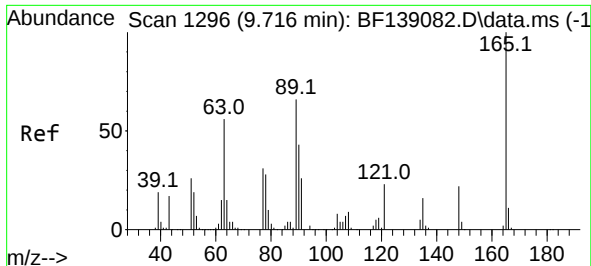
Ion Ratio Lower Upper

65 100

92 0.0 52.4 78.6#

138 13.7 69.4 104.0#

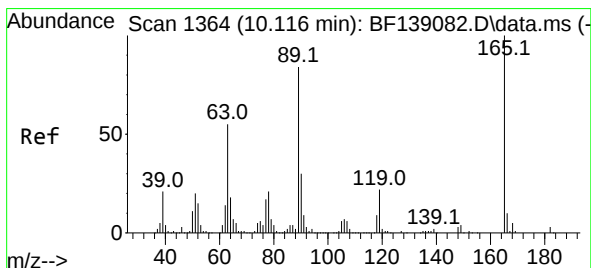
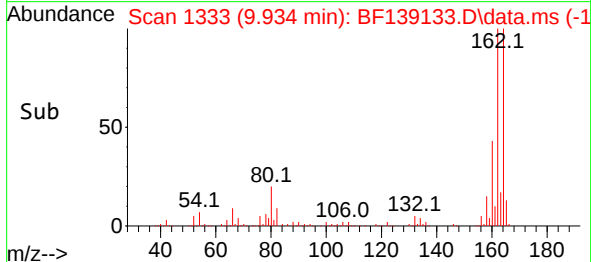
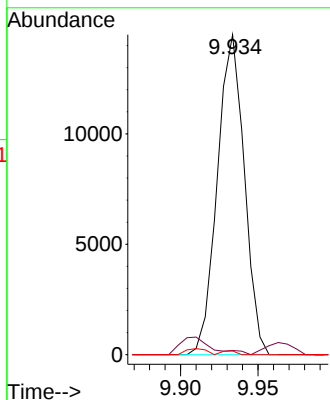
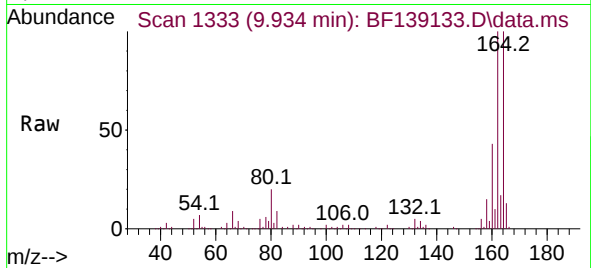




#51
2,6-Dinitrotoluene
Concen: 13.914 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

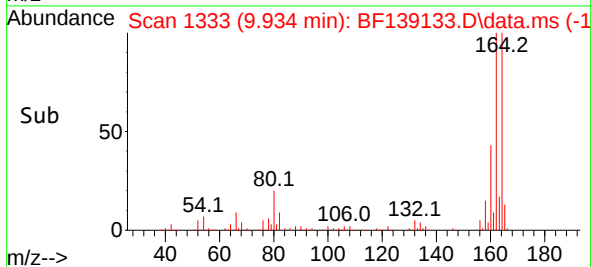
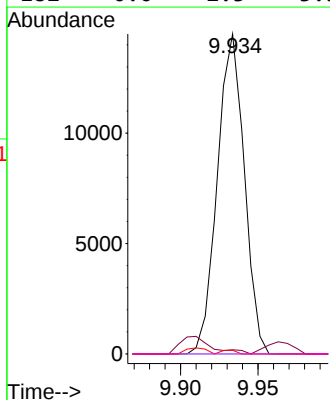
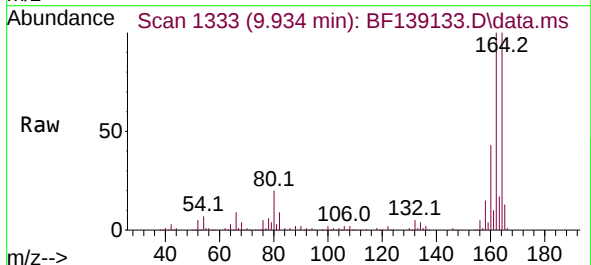
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

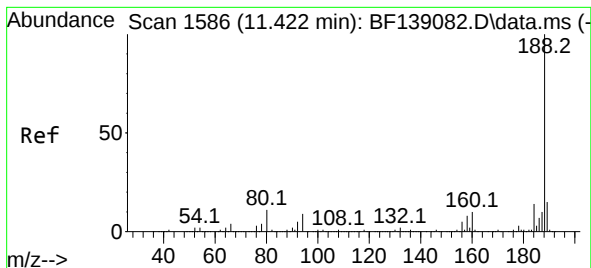
Tgt Ion:165 Resp: 17526
Ion Ratio Lower Upper
165 100
63 1.3 58.0 87.0#
89 1.2 53.3 79.9#



#57
2,4-Dinitrotoluene
Concen: 12.864 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.182 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:165 Resp: 17526
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 1.2 67.4 101.2#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

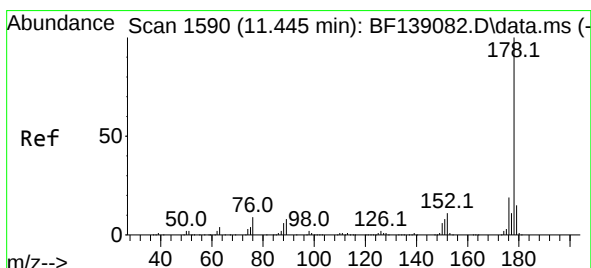
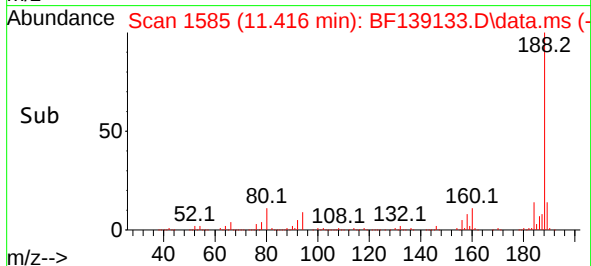
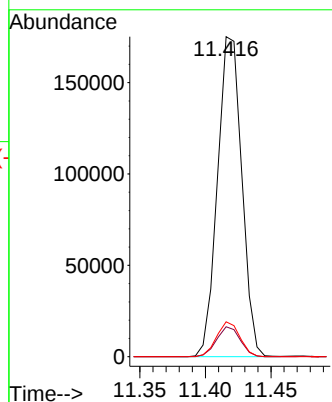
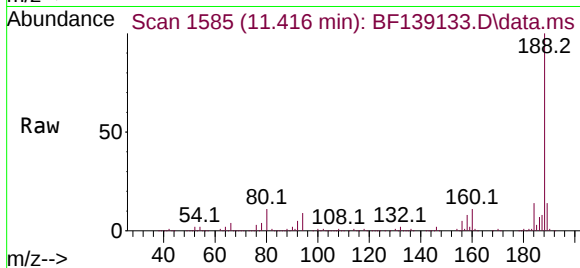
Tgt Ion:188 Resp: 225668

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 10.9 8.5 12.7



#71

Phenanthrene

Concen: 20.072 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

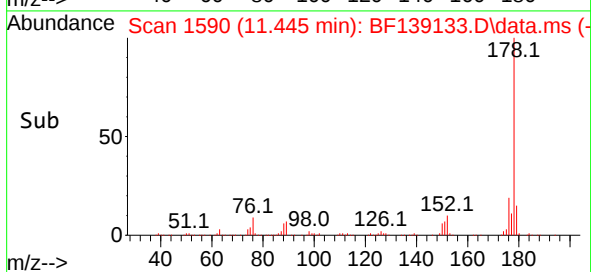
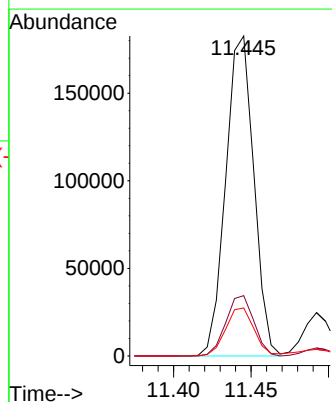
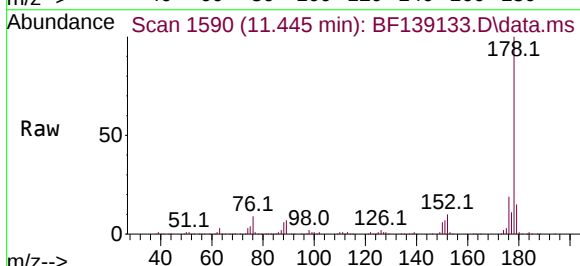
Tgt Ion:178 Resp: 230233

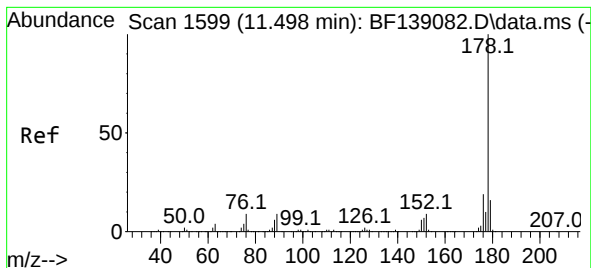
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.0 12.3 18.5





#72

Anthracene

Concen: 2.869 ng

RT: 11.492 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

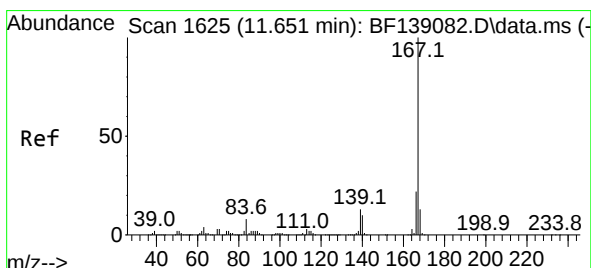
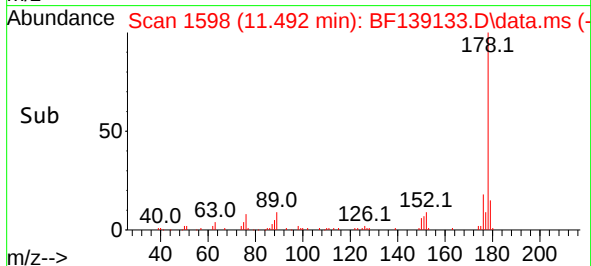
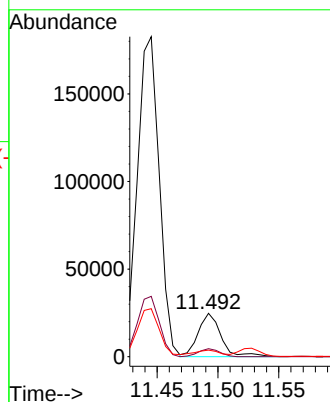
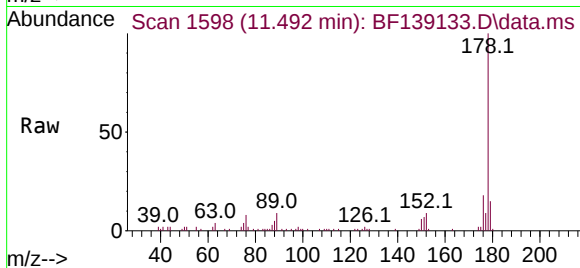
Tgt Ion:178 Resp: 32185

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.3 12.4 18.6



#73

Carbazole

Concen: 3.050 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

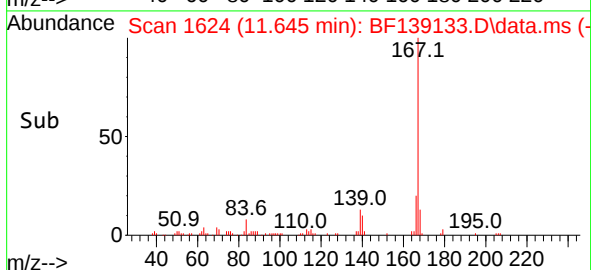
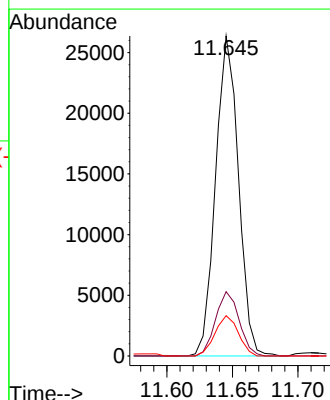
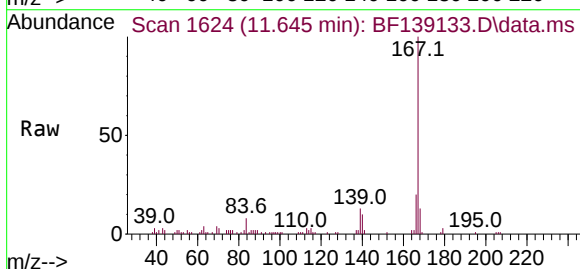
Tgt Ion:167 Resp: 31944

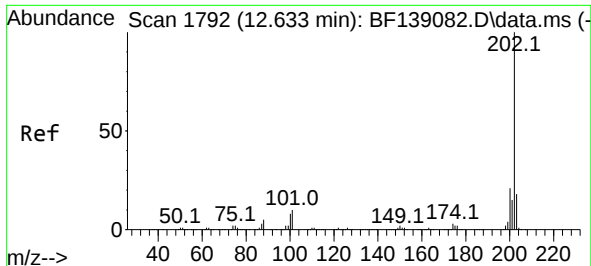
Ion Ratio Lower Upper

167 100

166 20.1 17.3 25.9

139 12.6 10.5 15.7

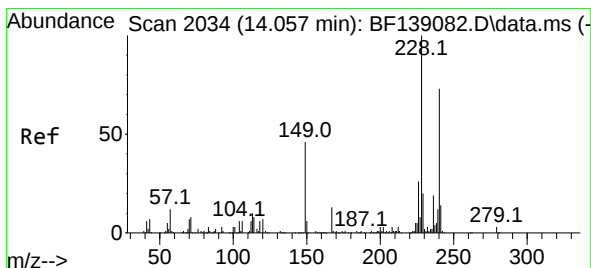
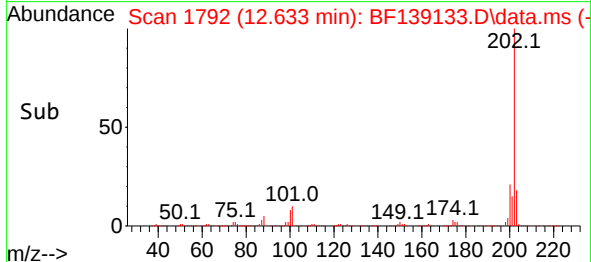
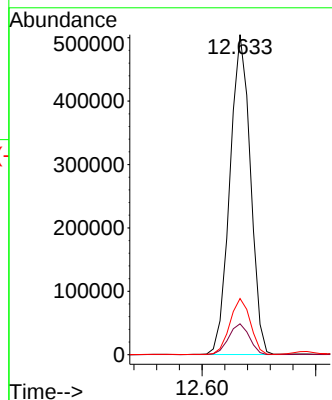
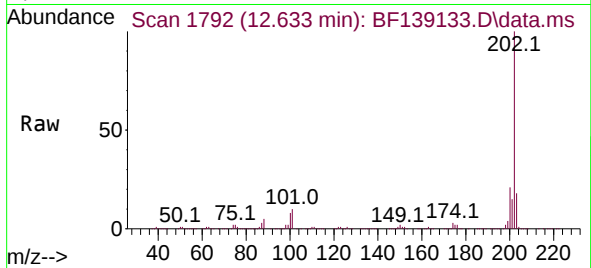




#75
Fluoranthene
Concen: 51.718 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

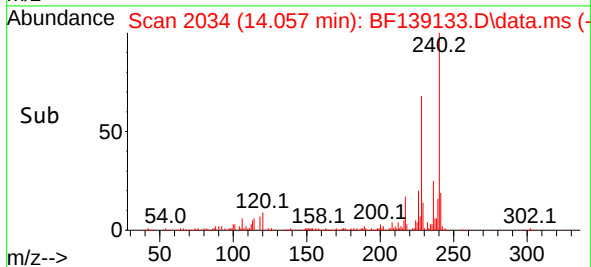
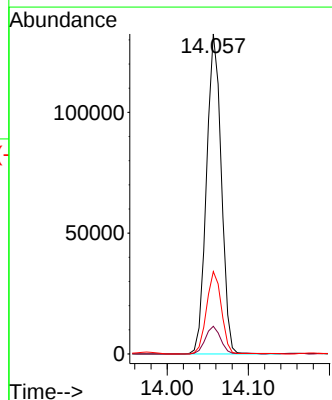
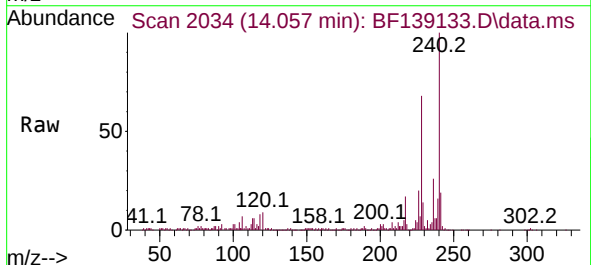
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

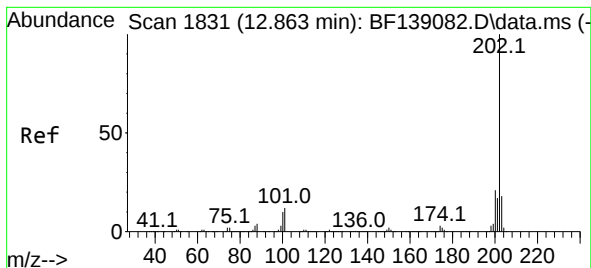
Tgt Ion:202 Resp: 633164
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:240 Resp: 167350
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 25.7 20.9 31.3





#78

Pyrene

Concen: 35.533 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

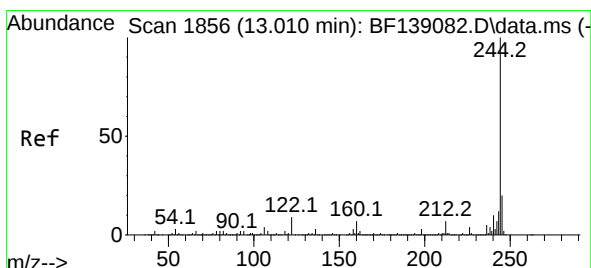
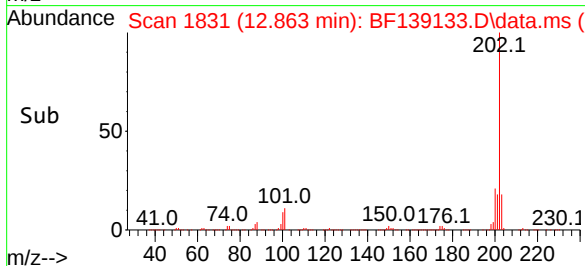
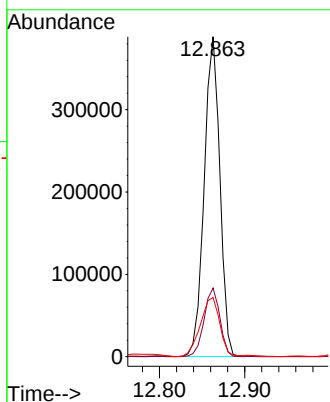
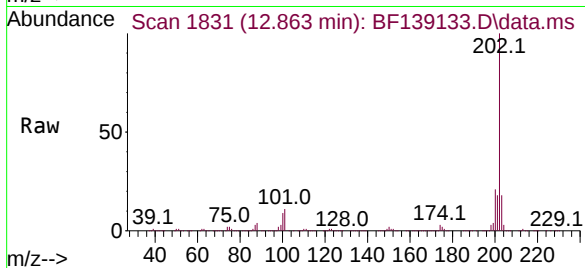
Tgt Ion:202 Resp: 496234

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 18.5 14.1 21.1



#79

Terphenyl-d14

Concen: 12.163 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

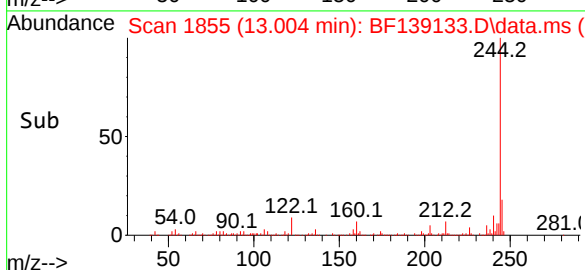
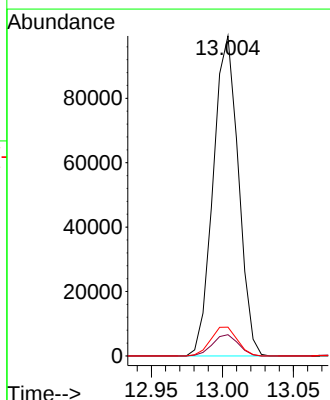
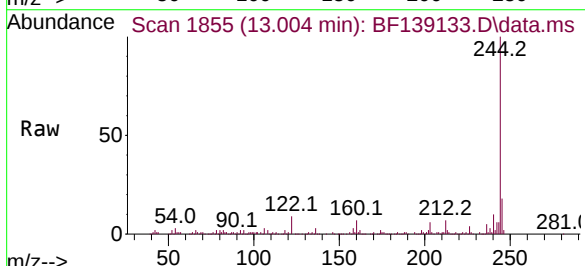
Tgt Ion:244 Resp: 122676

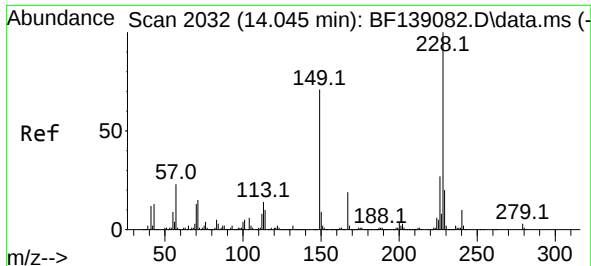
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 9.0 7.6 11.4

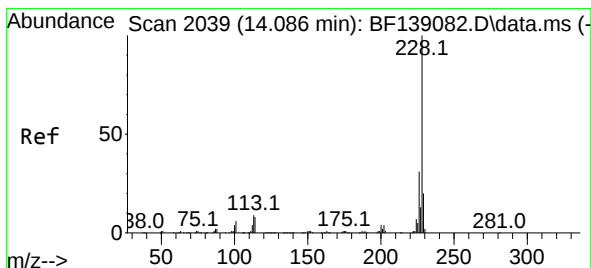
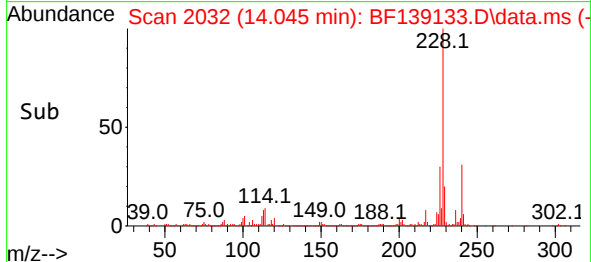
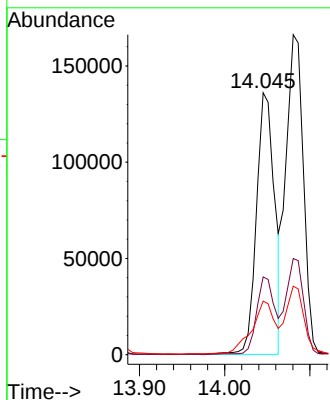
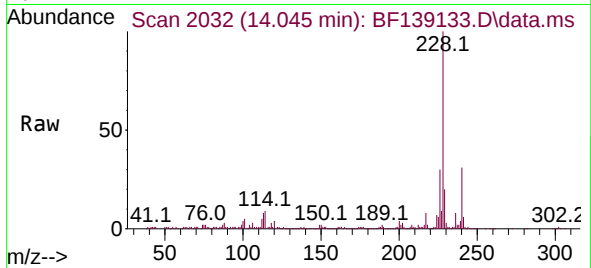




#81
Benzo(a)anthracene
Concen: 18.240 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

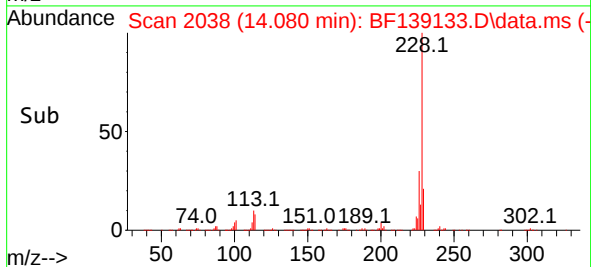
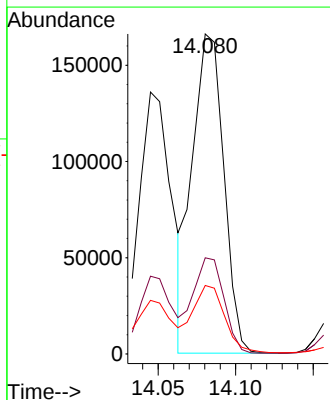
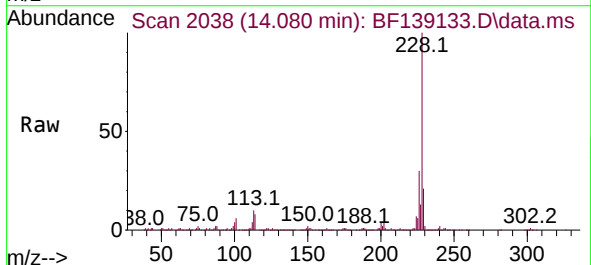
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

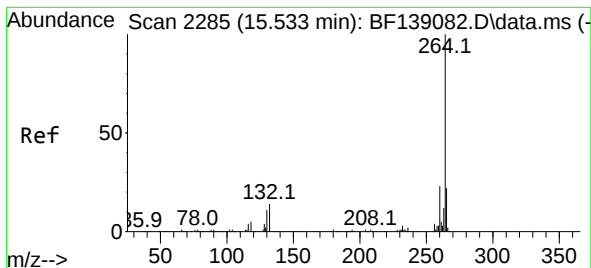
Tgt Ion:228 Resp: 200654
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 20.5 16.1 24.1



#83
Chrysene
Concen: 23.464 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:228 Resp: 233964
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.4 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: BF139133.D

Acq: 22 Aug 2024 20:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0-0.5-081524

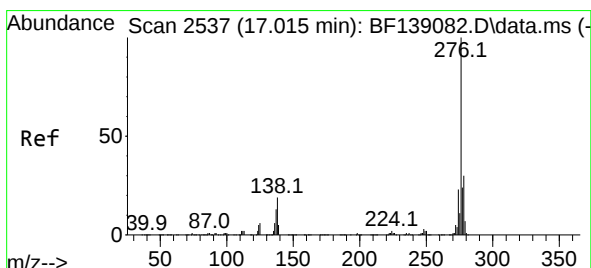
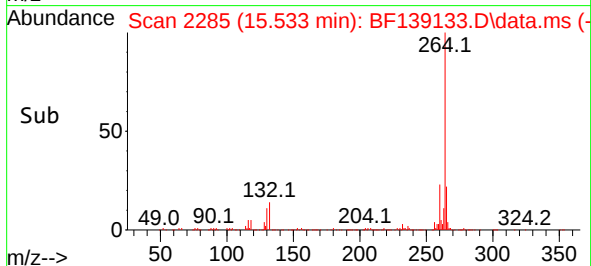
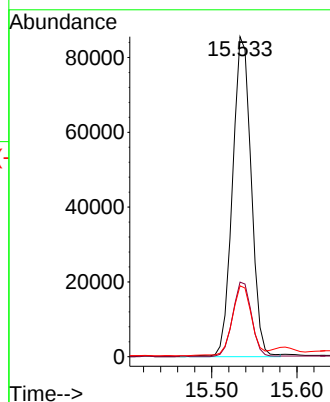
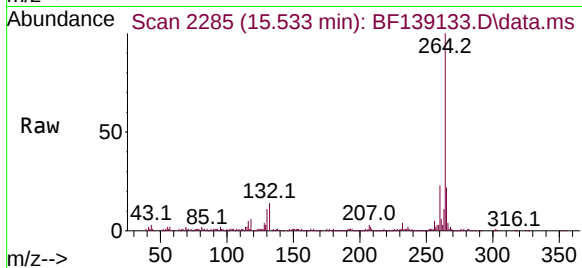
Tgt Ion:264 Resp: 130180

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.545 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BF139133.D

Acq: 22 Aug 2024 20:20

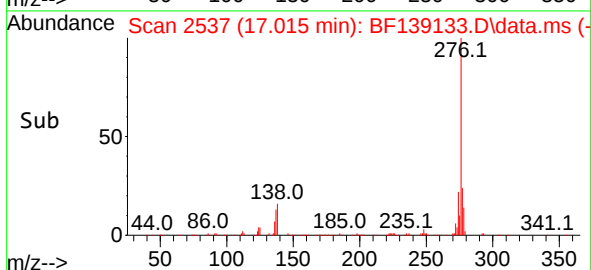
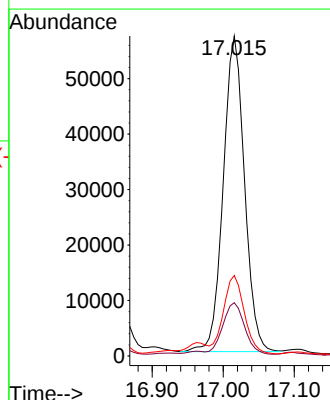
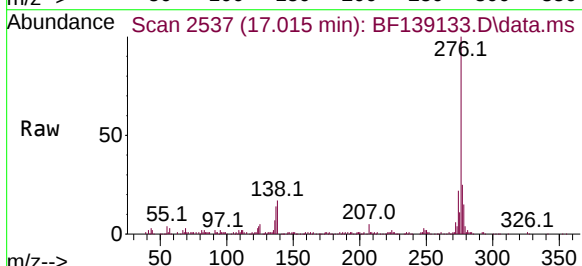
Tgt Ion:276 Resp: 118437

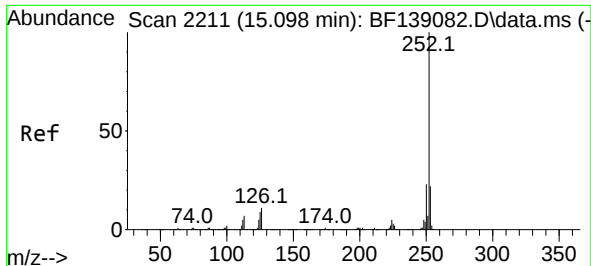
Ion Ratio Lower Upper

276 100

138 17.1 17.3 25.9#

277 24.2 20.2 30.4

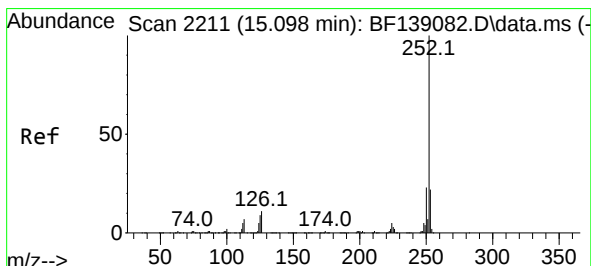
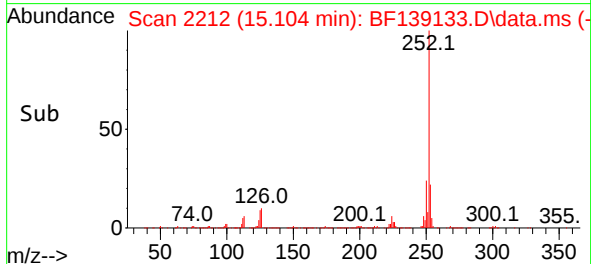
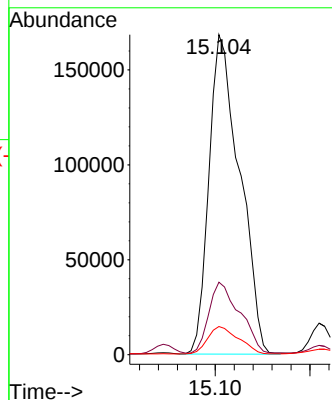
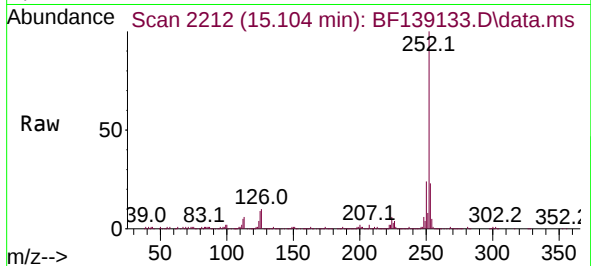




#88
Benzo(b)fluoranthene
Concen: 44.578 ng
RT: 15.104 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

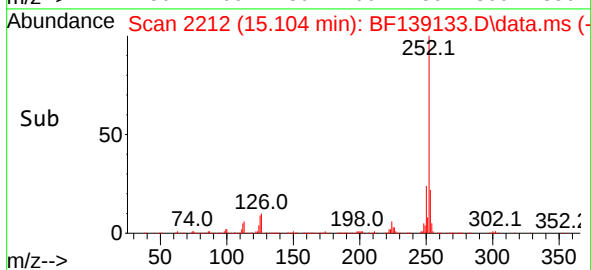
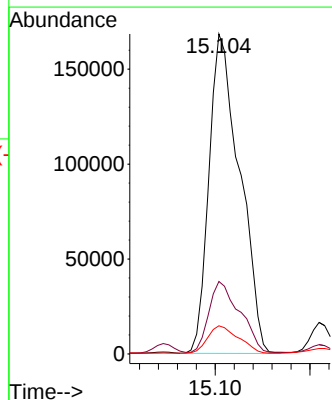
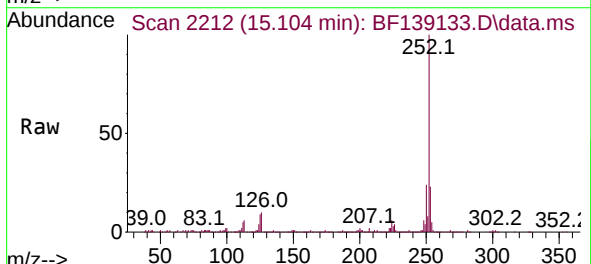
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

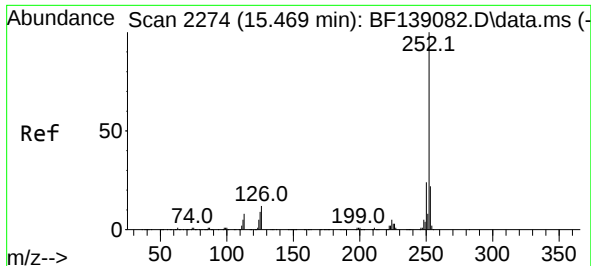
Tgt Ion:252 Resp: 378327
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.8 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 53.523 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.029 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Tgt Ion:252 Resp: 378327
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.8 7.0 10.6

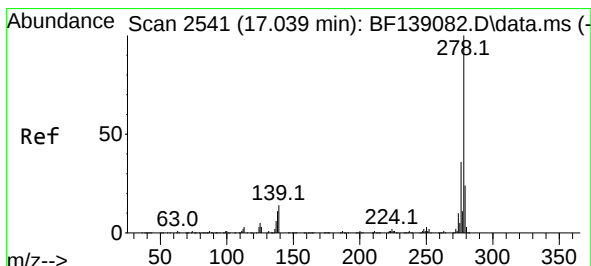
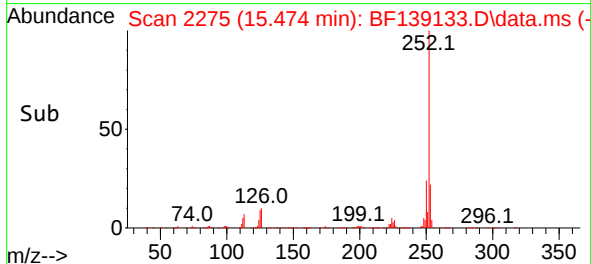
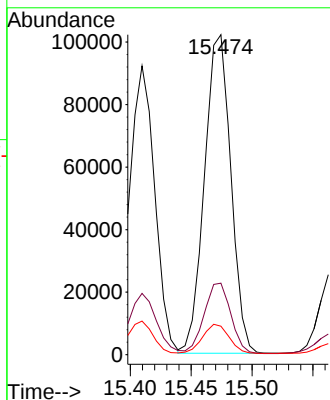
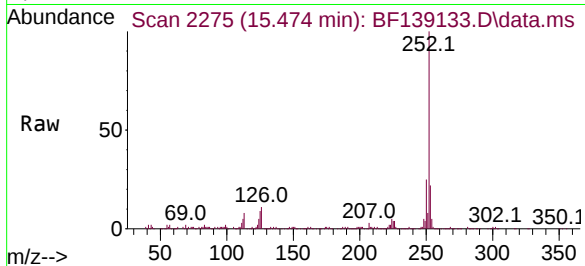




#90
Benzo(a)pyrene
Concen: 22.889 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

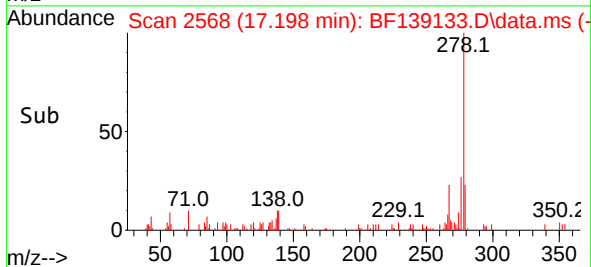
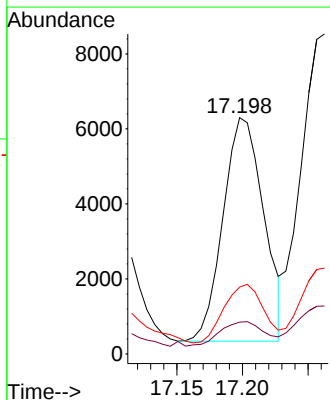
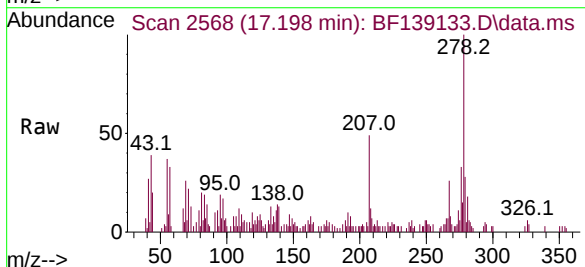
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524

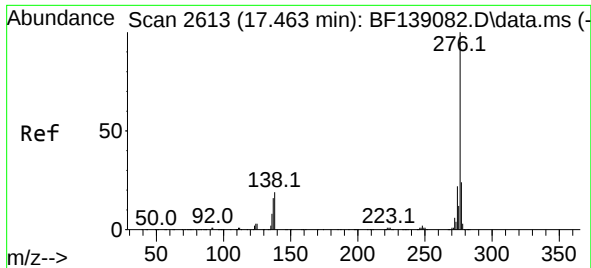
Tgt Ion:252 Resp: 153494
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 8.9 7.4 11.2



#91
Dibenzo(a,h)anthracene
Concen: 2.052 ng
RT: 17.198 min Scan# 2568
Delta R.T. 0.159 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

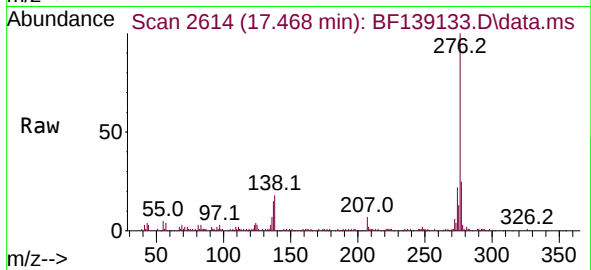
Tgt Ion:278 Resp: 12835
Ion Ratio Lower Upper
278 100
139 13.5 10.8 16.2
279 28.3 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 17.704 ng
RT: 17.468 min Scan# 20
Delta R.T. 0.005 min
Lab File: BF139133.D
Acq: 22 Aug 2024 20:20

Instrument :
BNA_F
ClientSampleId :
S-909-K1-0-0.5-081524



Tgt Ion:276 Resp: 113119
Ion Ratio Lower Upper
276 100
277 25.0 18.8 28.2
138 17.6 15.0 22.4

