

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139124.D
 Acq On : 22 Aug 2024 15:51
 Operator : RC/JU
 Sample : P3641-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0.5-1.0-081524-FD

Quant Time: Aug 22 16:59:09 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)

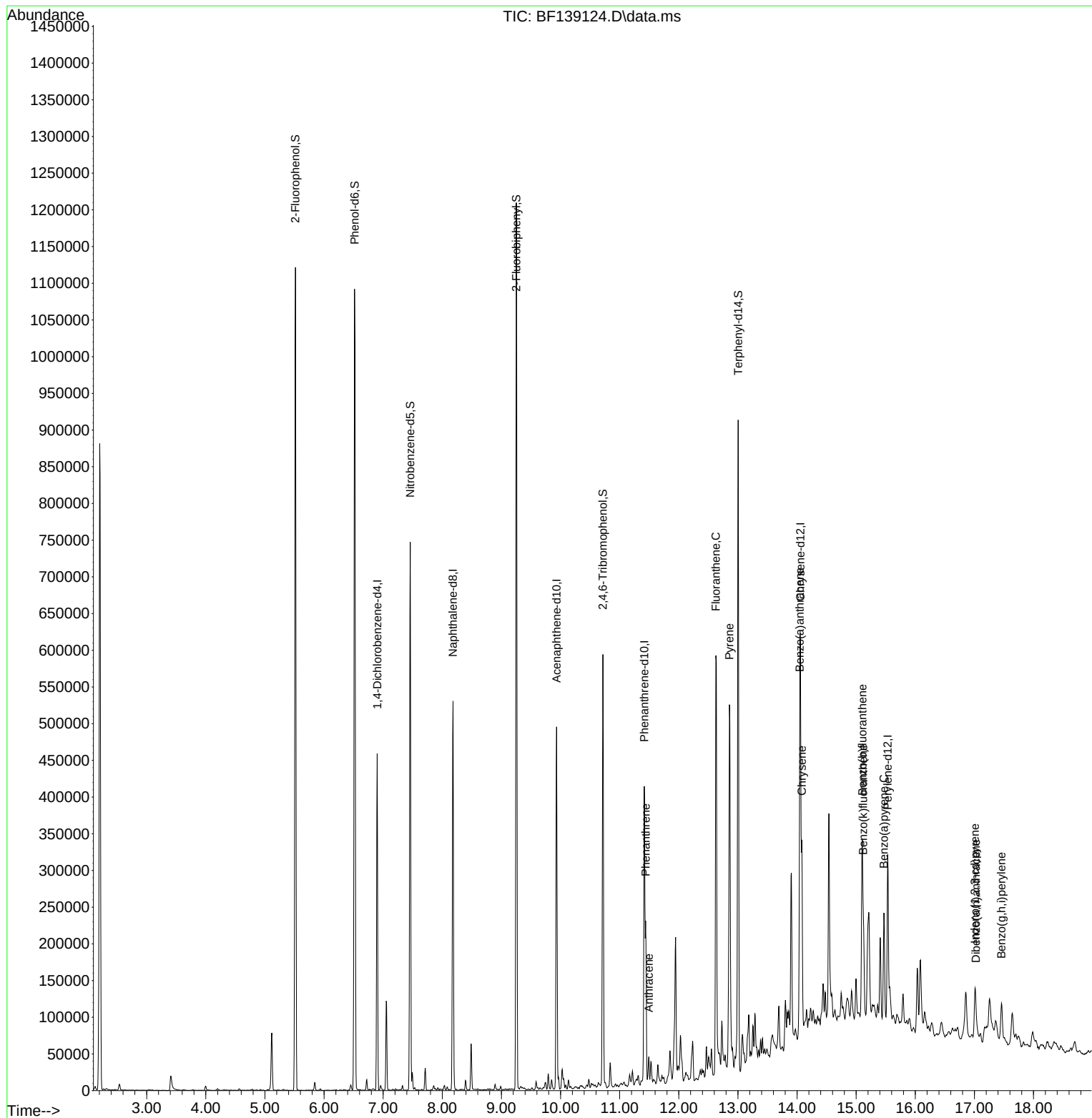
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	87146	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	299994	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	137580	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	204095	20.000	ng	0.00
76) Chrysene-d12	14.057	240	165237	20.000	ng	0.00
86) Perylene-d12	15.533	264	128213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	371174	65.529	ng	0.00
7) Phenol-d6	6.516	99	478795	65.418	ng	0.00
23) Nitrobenzene-d5	7.457	82	315975	61.374	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	83948	67.401	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	493827	56.949	ng	0.00
79) Terphenyl-d14	13.004	244	405350	40.705	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	110067	10.610	ng	98
72) Anthracene	11.492	178	21164	2.086	ng	98
75) Fluoranthene	12.627	202	316258	28.563	ng	99
78) Pyrene	12.857	202	262809	19.059	ng	98
81) Benzo(a)anthracene	14.045	228	146891	13.523	ng	96
83) Chrysene	14.080	228	135084	13.721	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	53092	7.075	ng	97
88) Benzo(b)fluoranthene	15.104	252	149179m	17.847	ng	
89) Benzo(k)fluoranthene	15.116	252	60298m	8.661	ng	
90) Benzo(a)pyrene	15.468	252	85227	12.904	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	13158	2.136	ng	95
92) Benzo(g,h,i)perylene	17.457	276	47036	9.089	ng	97

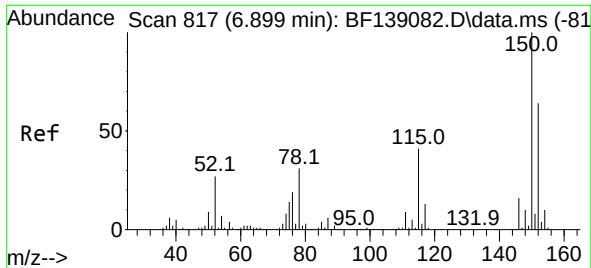
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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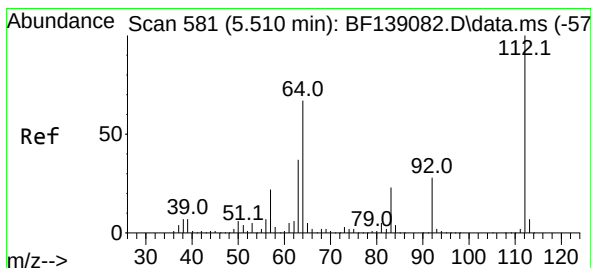
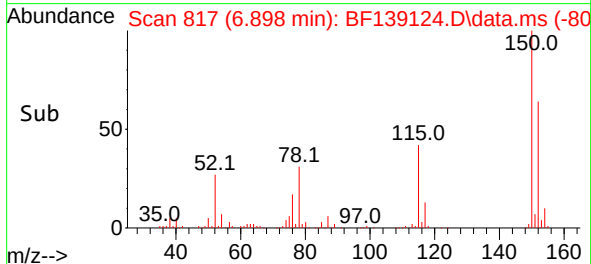
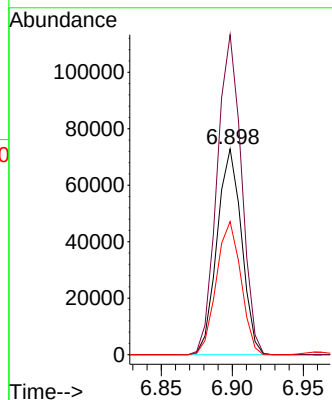
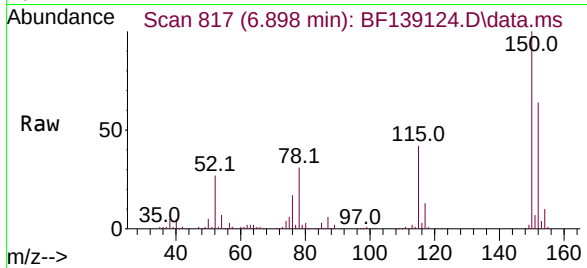




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

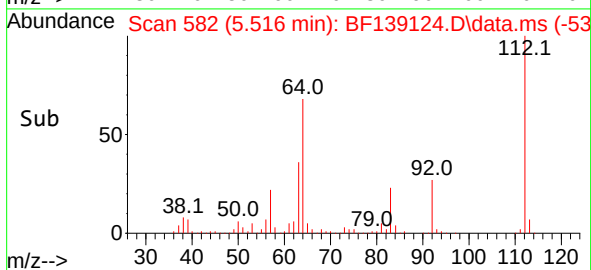
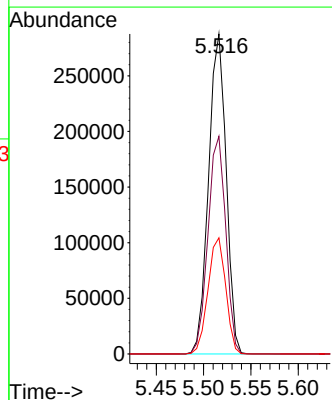
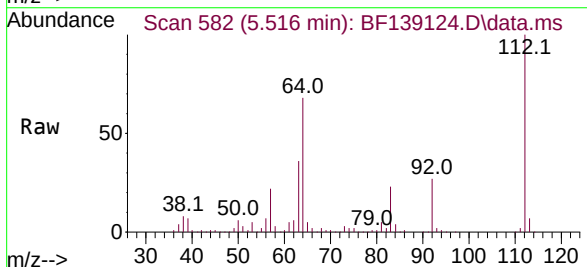
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BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

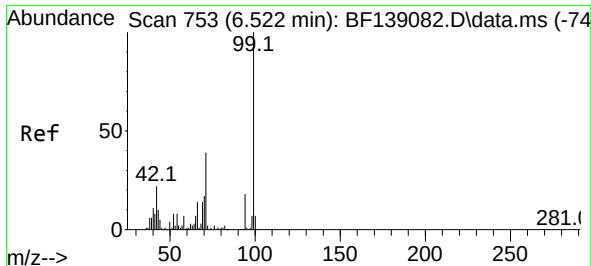
Tgt Ion:152 Resp: 87146
Ion Ratio Lower Upper
152 100
150 155.5 125.1 187.7
115 64.7 51.8 77.6



#5
2-Fluorophenol
Concen: 65.529 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:112 Resp: 371174
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 36.3 29.4 44.2

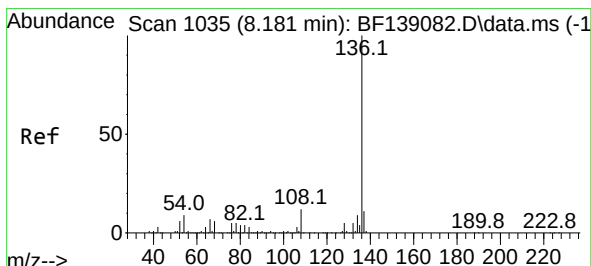
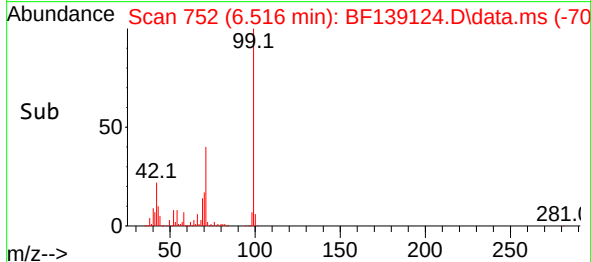
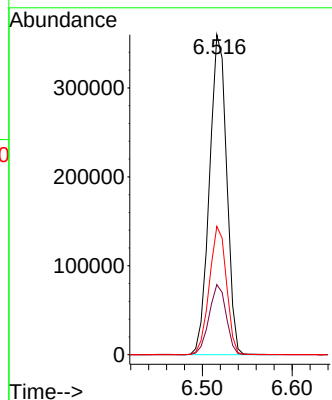
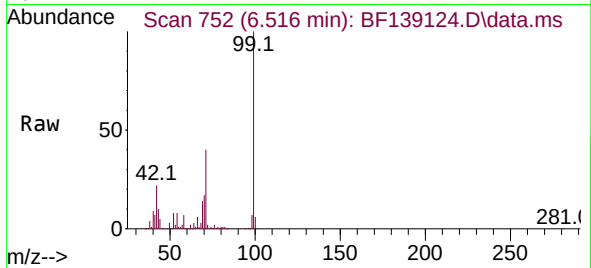




#7
Phenol-d6
Concen: 65.418 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

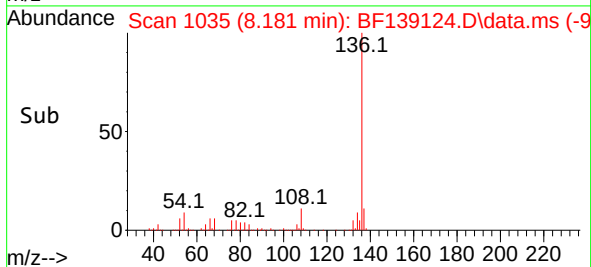
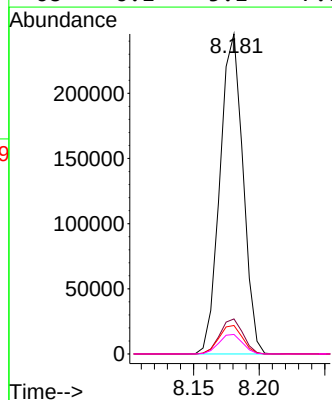
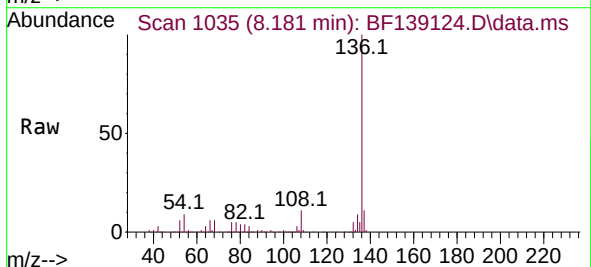
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

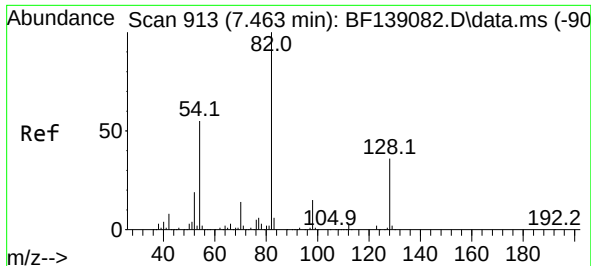
Tgt Ion: 99 Resp: 478795
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.1 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 136 Resp: 299994
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.9 7.6 11.4
68 6.1 5.1 7.7

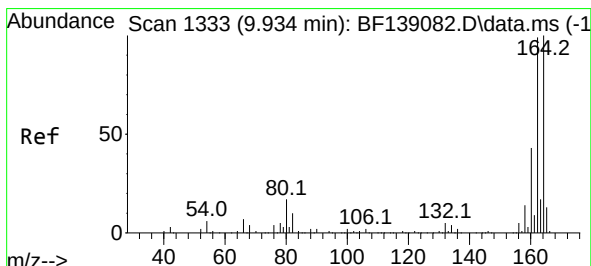
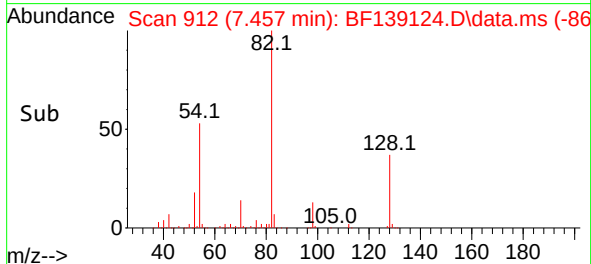
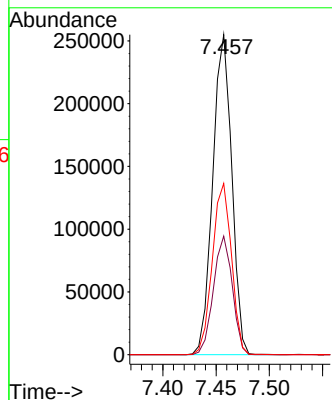
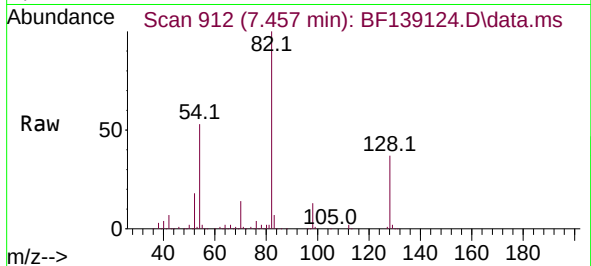




#23
Nitrobenzene-d5
Concen: 61.374 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

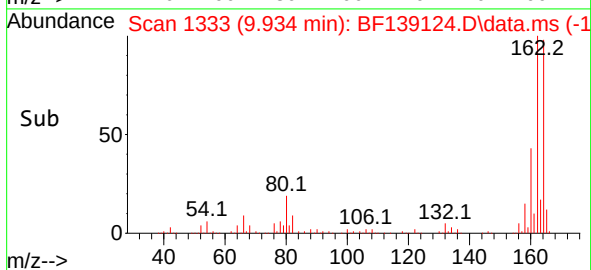
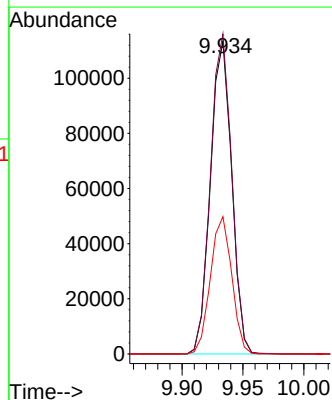
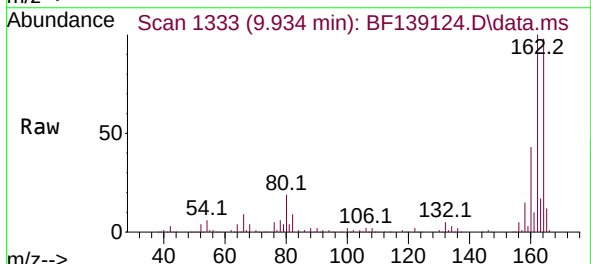
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

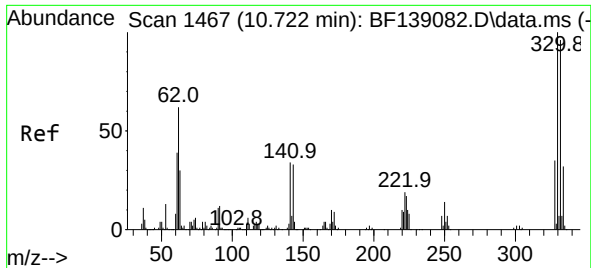
Tgt Ion: 82 Resp: 315975
Ion Ratio Lower Upper
82 100
128 37.1 29.0 43.4
54 53.5 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

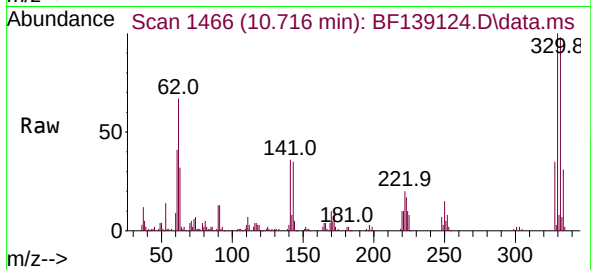
Tgt Ion:164 Resp: 137580
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 43.9 34.5 51.7



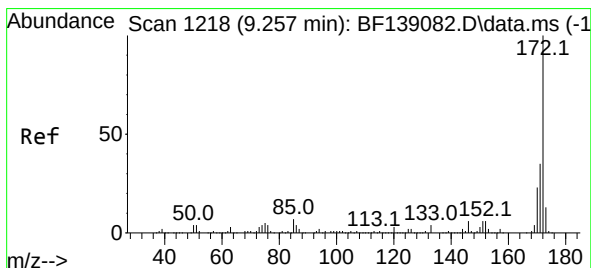
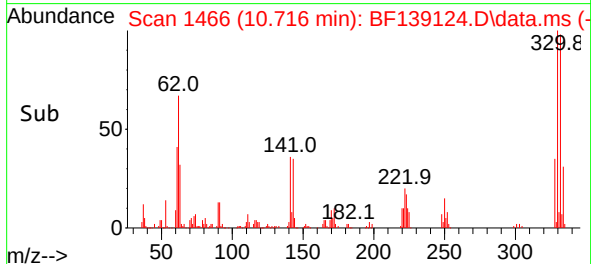
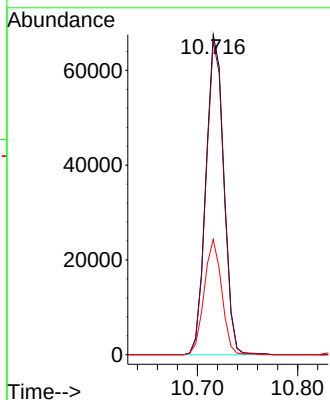


#42
2,4,6-Tribromophenol
Concen: 67.401 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

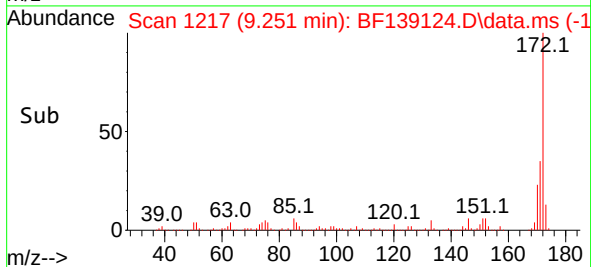
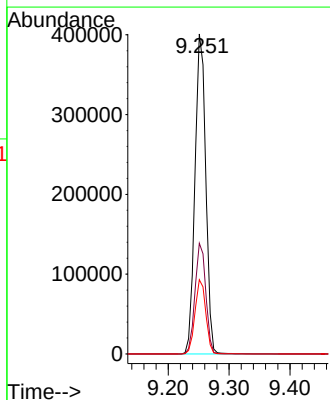
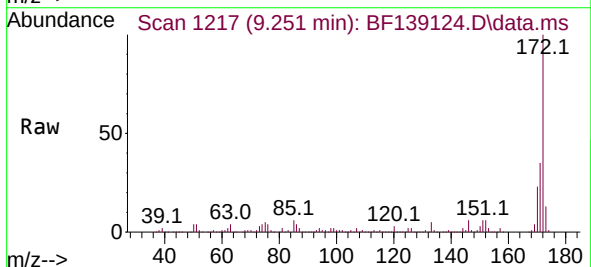


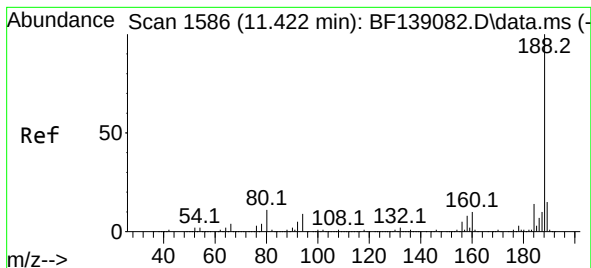
Tgt Ion:330 Resp: 83948
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 35.2 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 56.949 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:172 Resp: 493827
Ion Ratio Lower Upper
172 100
171 34.6 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: BF139124.D

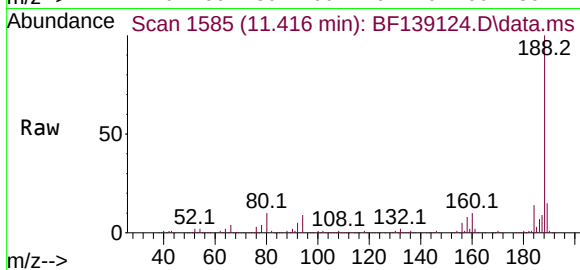
Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD



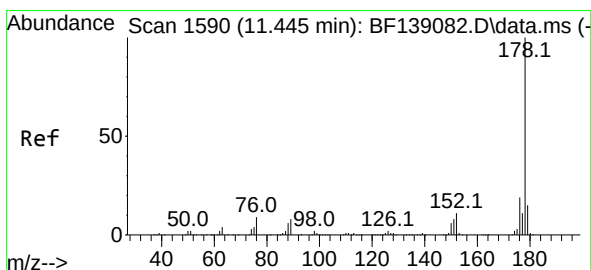
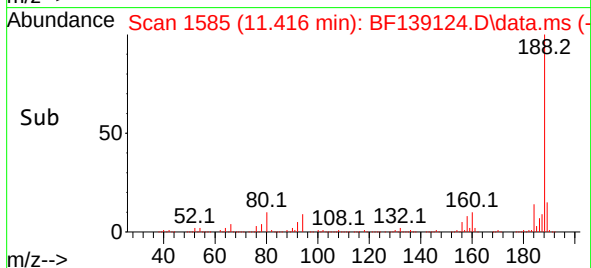
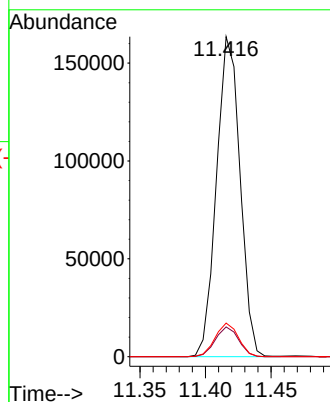
Tgt Ion:188 Resp: 204095

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 10.5 8.5 12.7



#71

Phenanthrene

Concen: 10.610 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

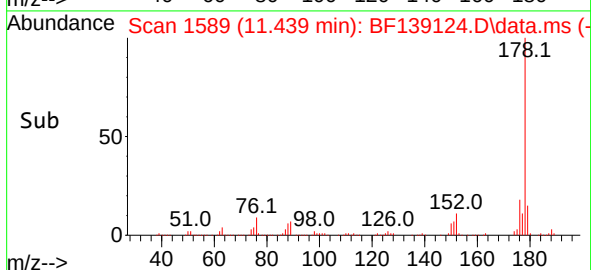
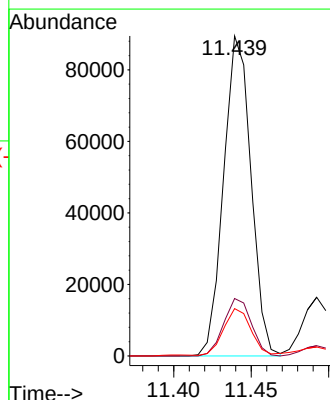
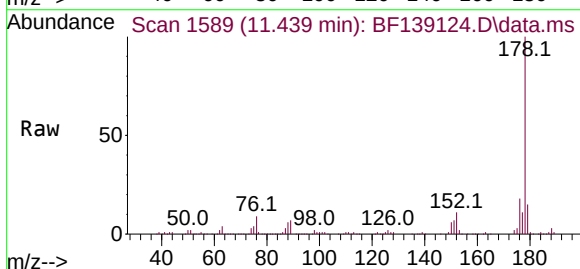
Tgt Ion:178 Resp: 110067

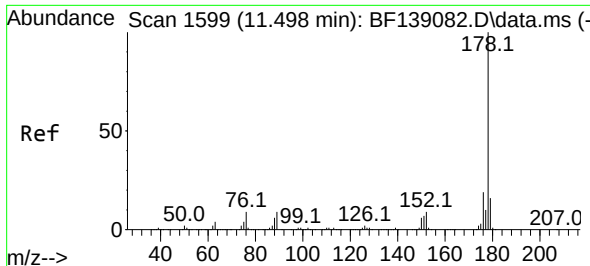
Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

179 14.8 12.3 18.5

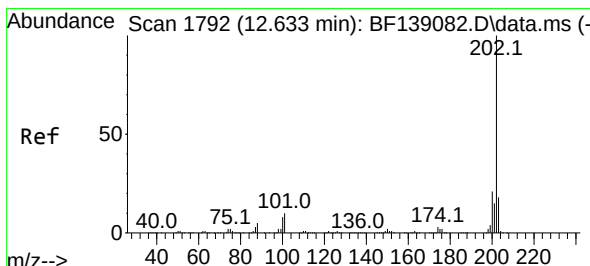
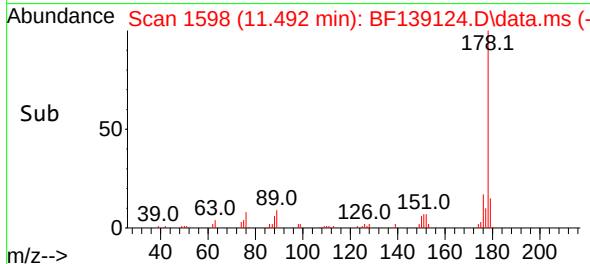
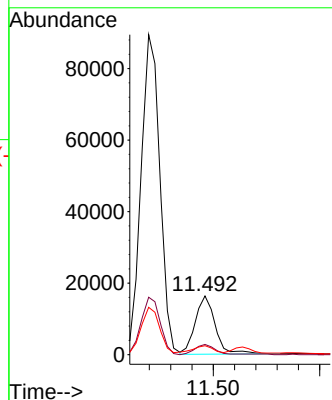
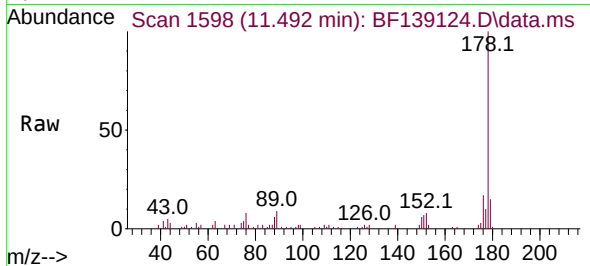




#72
Anthracene
Concen: 2.086 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

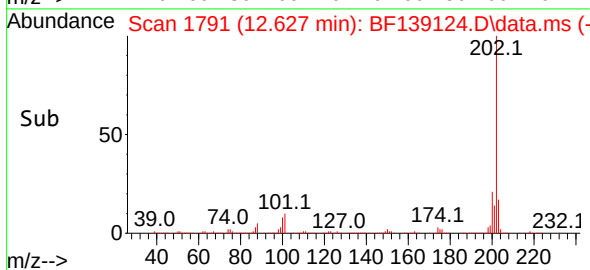
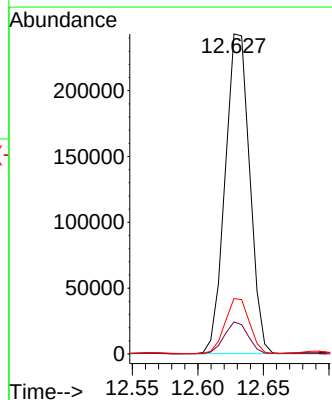
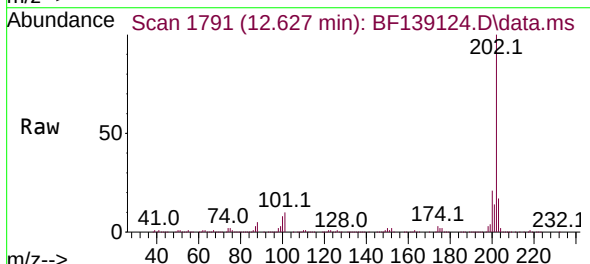
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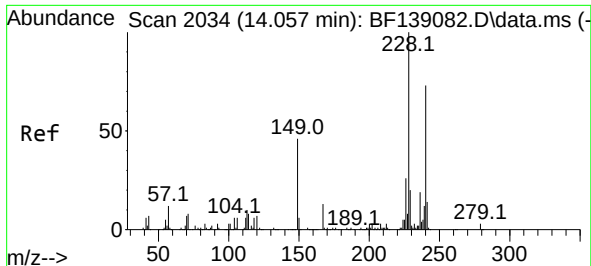
Tgt Ion:178 Resp: 21164
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 15.2 12.4 18.6



#75
Fluoranthene
Concen: 28.563 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:202 Resp: 316258
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.3 0.0 37.6

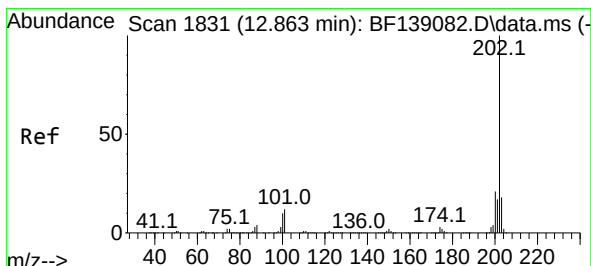
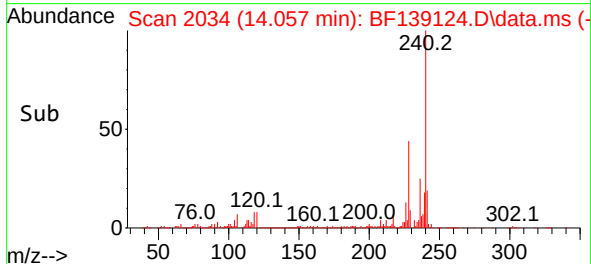
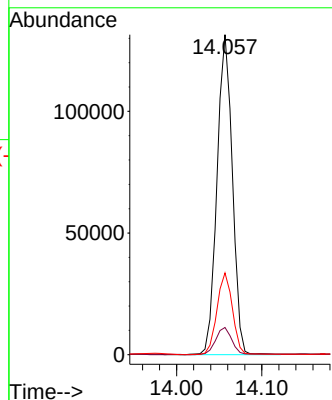
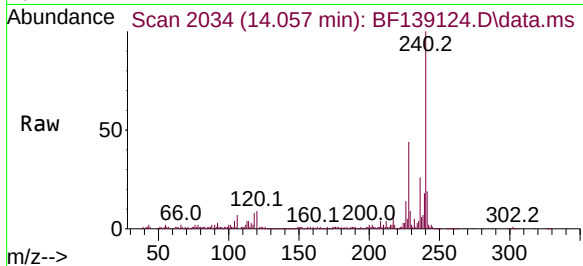




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

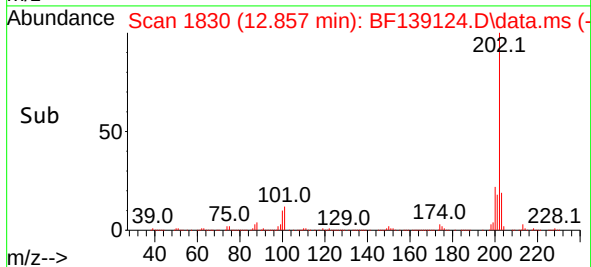
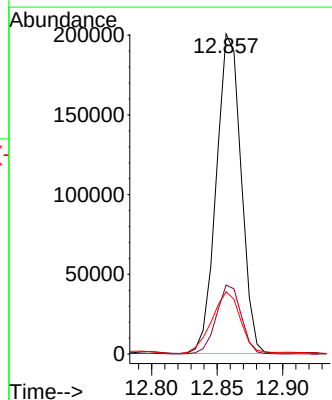
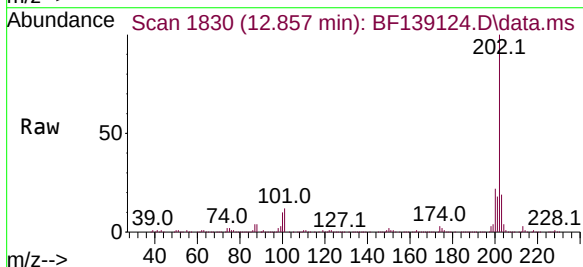
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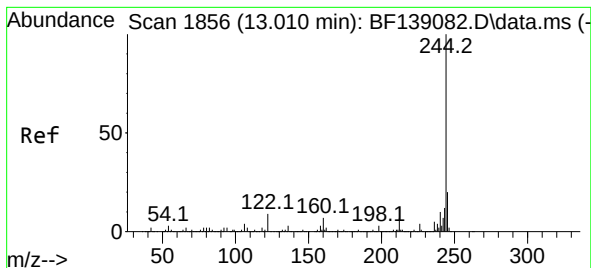
Tgt Ion:240 Resp: 165237
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.5 20.9 31.3



#78
Pyrene
Concen: 19.059 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:202 Resp: 262809
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 19.4 14.1 21.1





#79

Terphenyl-d14

Concen: 40.705 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

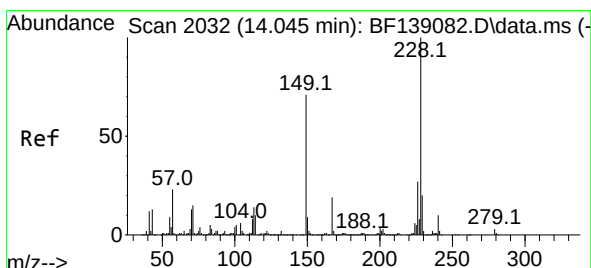
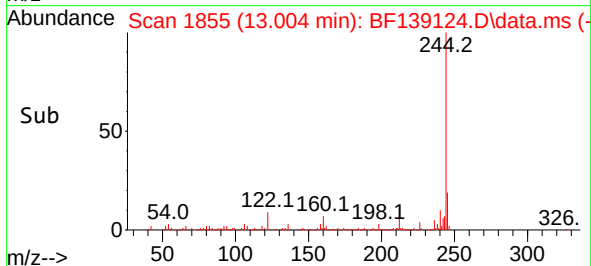
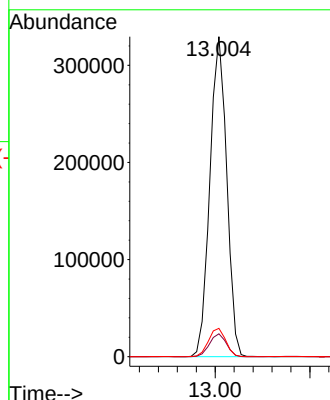
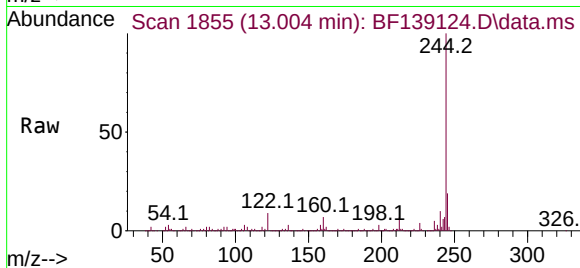
Tgt Ion:244 Resp: 405350

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 8.9 7.6 11.4



#81

Benzo(a)anthracene

Concen: 13.523 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

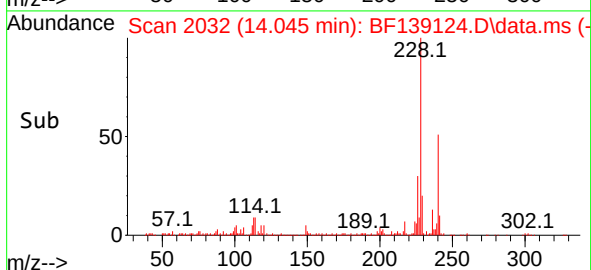
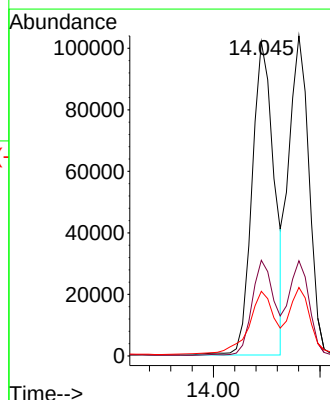
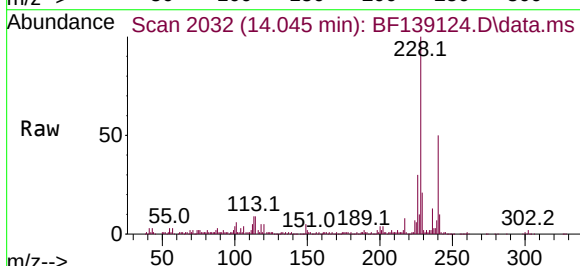
Tgt Ion:228 Resp: 146891

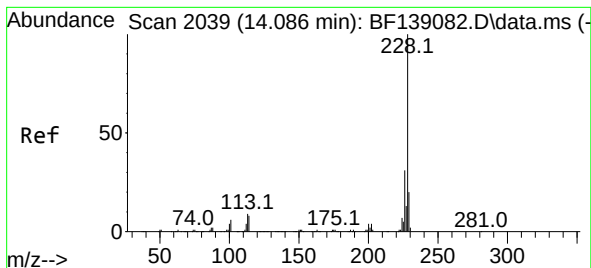
Ion Ratio Lower Upper

228 100

226 30.5 21.9 32.9

229 20.6 16.1 24.1





#83

Chrysene

Concen: 13.721 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

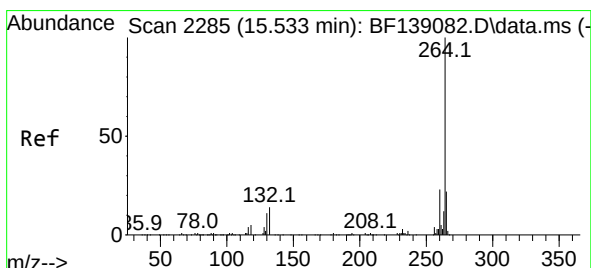
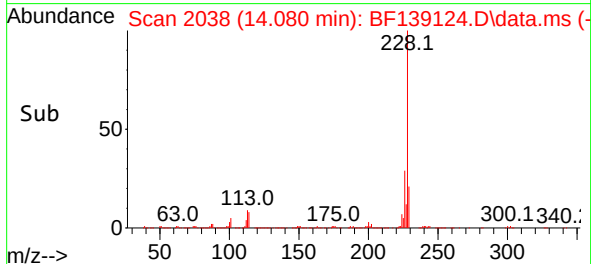
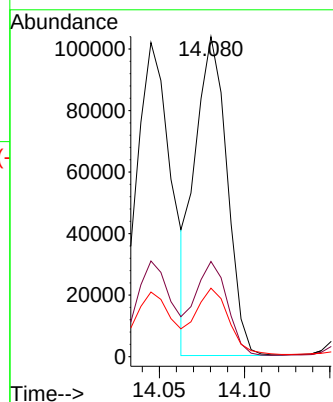
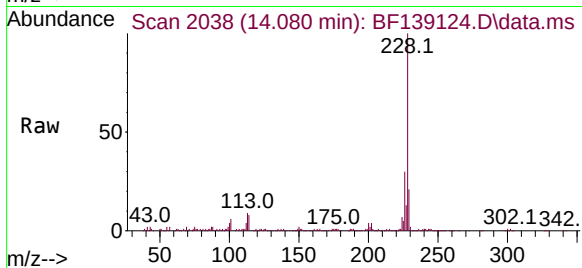
Tgt Ion:228 Resp: 135084

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.4 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

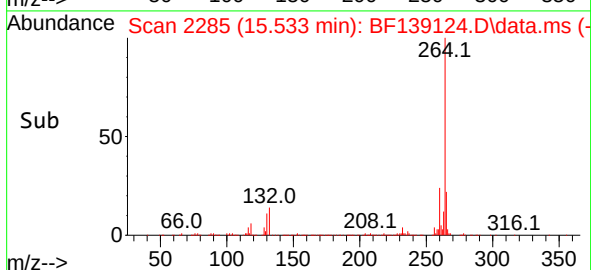
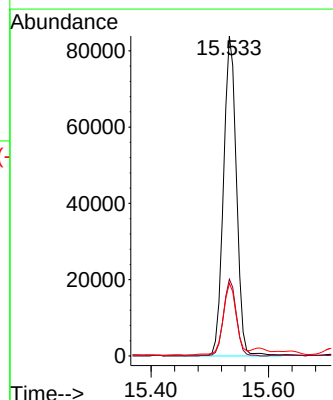
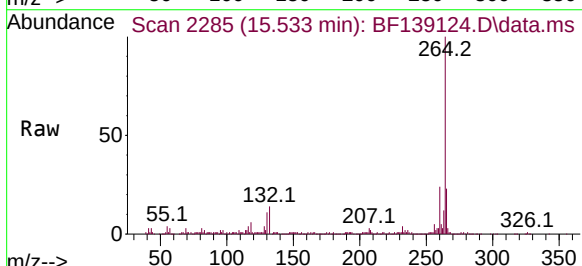
Tgt Ion:264 Resp: 128213

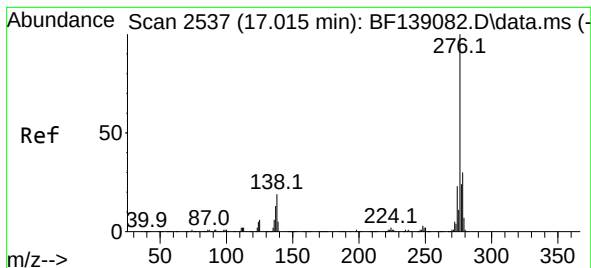
Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.075 ng

RT: 17.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

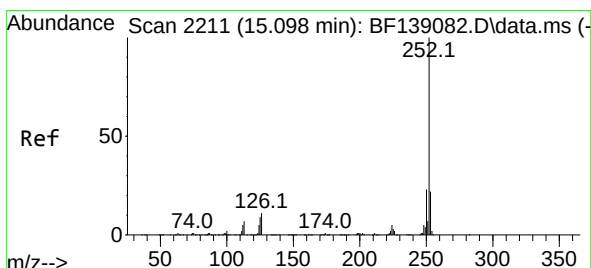
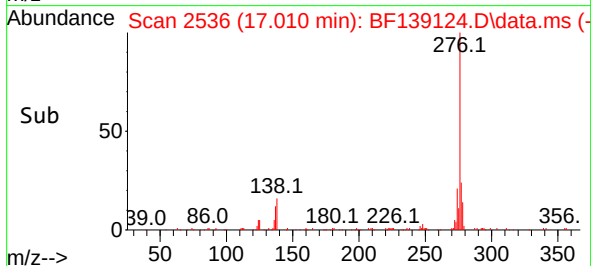
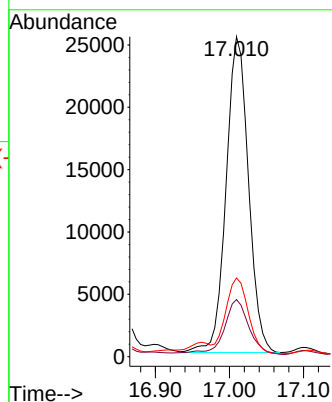
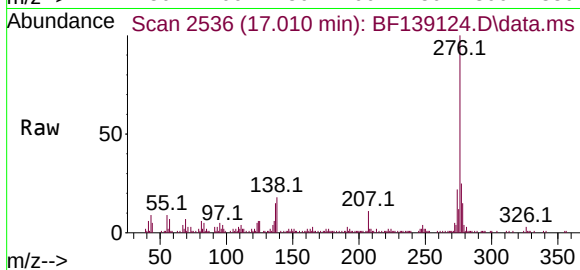
Tgt Ion:276 Resp: 53092

Ion Ratio Lower Upper

276 100

138 19.4 17.3 25.9

277 24.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 17.847 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

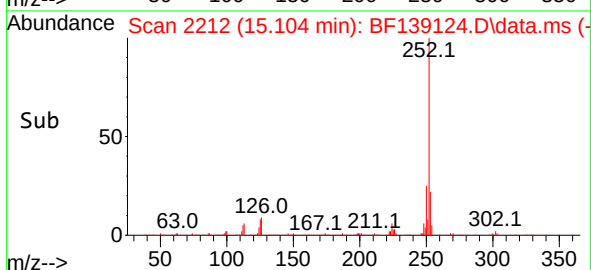
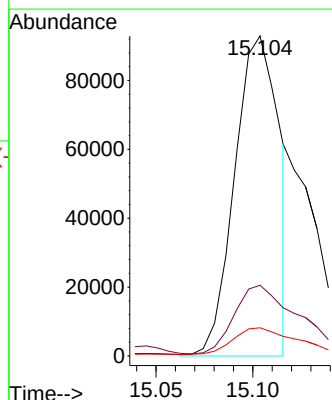
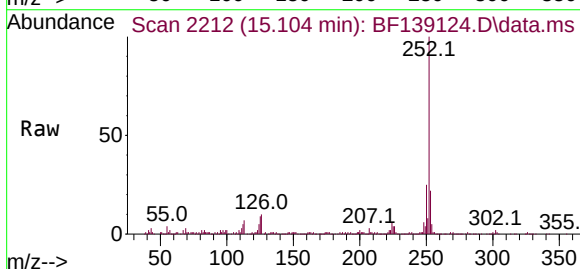
Tgt Ion:252 Resp: 149179

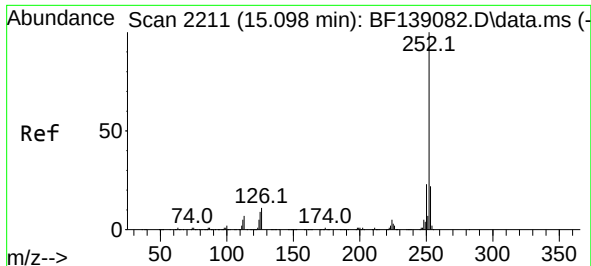
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 8.661 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

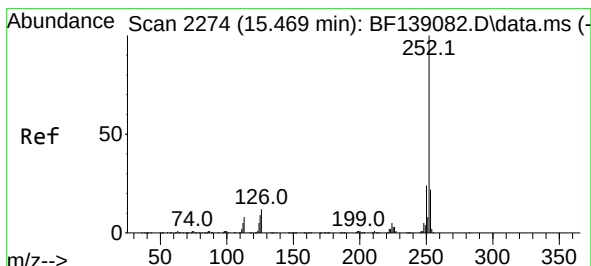
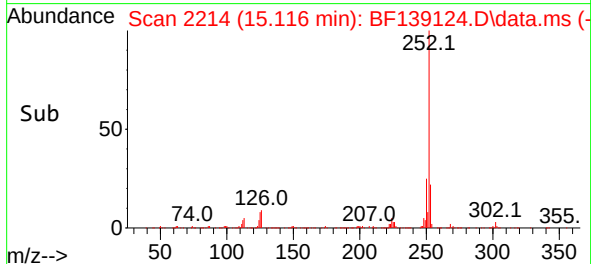
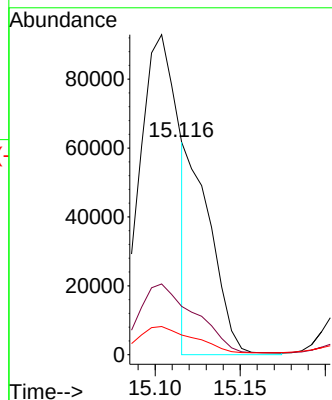
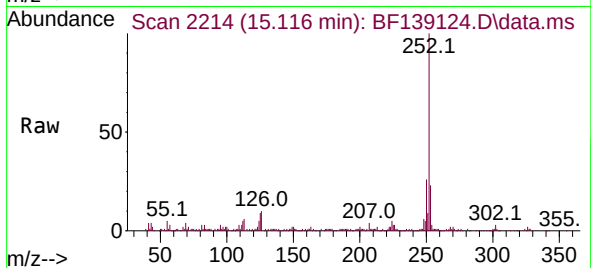
Tgt Ion:252 Resp: 60298

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 9.2 7.0 10.6



#90

Benzo(a)pyrene

Concen: 12.904 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

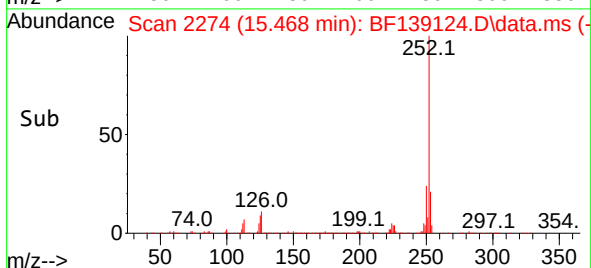
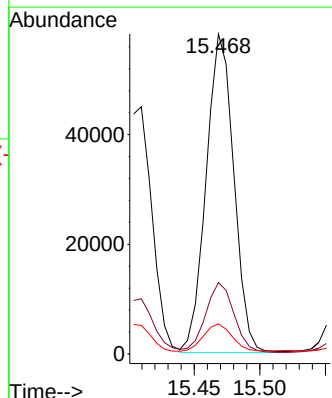
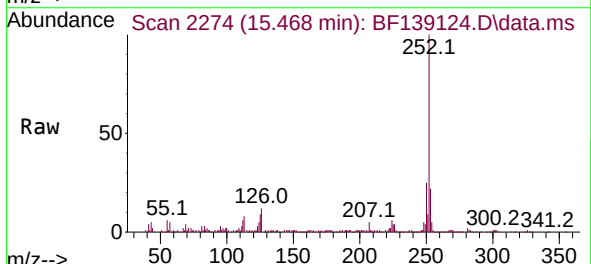
Tgt Ion:252 Resp: 85227

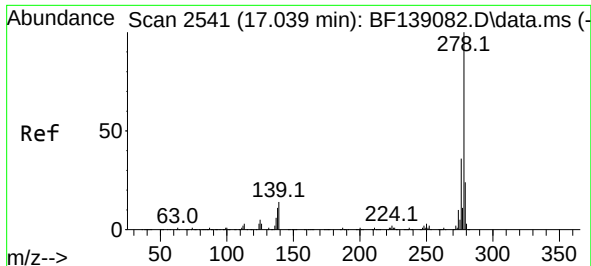
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 9.4 7.4 11.2

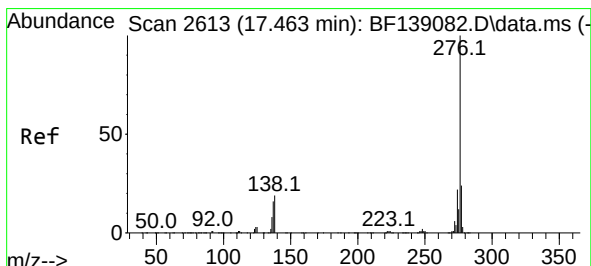
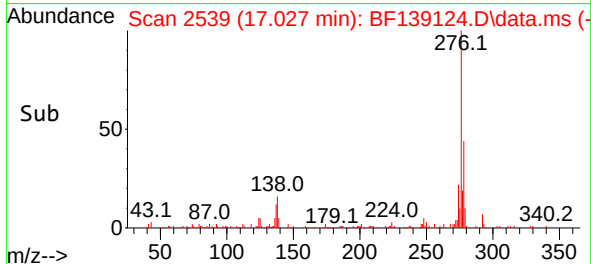
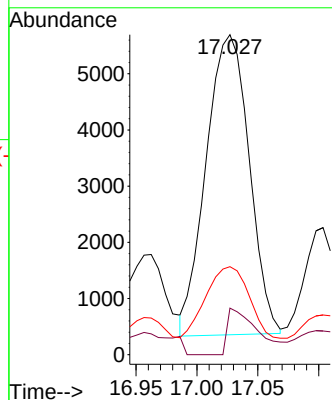
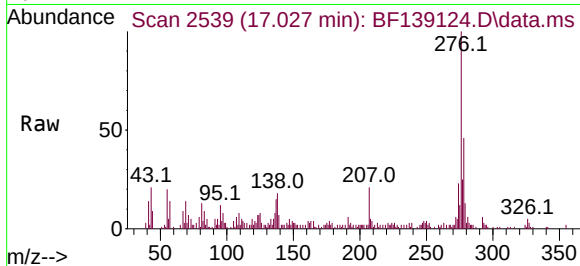




#91
Dibenzo(a,h)anthracene
Concen: 2.136 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

Tgt Ion:278 Resp: 13158
Ion Ratio Lower Upper
278 100
139 14.6 10.8 16.2
279 27.5 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 9.089 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:276 Resp: 47036
Ion Ratio Lower Upper
276 100
277 25.8 18.8 28.2
138 19.2 15.0 22.4

