

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139129.D
 Acq On : 22 Aug 2024 18:21
 Operator : RC/JU
 Sample : P3641-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0-0.5-081524

Quant Time: Aug 23 00:35:21 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	83864	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	280884	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	125689	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	197256	20.000	ng	0.00
76) Chrysene-d12	14.063	240	138893	20.000	ng	0.00
86) Perylene-d12	15.539	264	111251	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	381133	69.920	ng	0.00
7) Phenol-d6	6.516	99	472556	67.093	ng	0.00
23) Nitrobenzene-d5	7.457	82	307730	63.839	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	81100	71.275	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	477489	60.275	ng	0.00
79) Terphenyl-d14	13.004	244	449707	53.725	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	7.898	122	49892	23.581	ng	95
52) Acenaphthene	9.963	154	24693	3.730	ng	100
58) Fluorene	10.480	166	26738	3.480	ng	100
71) Phenanthrene	11.445	178	606464	60.488	ng	100
72) Anthracene	11.492	178	104926	10.701	ng	98
73) Carbazole	11.645	167	61150	6.679	ng	100
75) Fluoranthene	12.639	202	1244151	116.263	ng	99
78) Pyrene	12.868	202	983960	84.891	ng	99
81) Benzo(a)anthracene	14.051	228	418556	45.843	ng	97
83) Chrysene	14.086	228	411366	49.707	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	16441	3.093	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	204821	31.457	ng	95
88) Benzo(b)fluoranthene	15.110	252	512773m	70.700	ng	
89) Benzo(k)fluoranthene	15.127	252	145809m	24.138	ng	
90) Benzo(a)pyrene	15.480	252	285653	49.844	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	44665	8.357	ng	94
92) Benzo(g,h,i)perylene	17.480	276	194032	32.720	ng	97

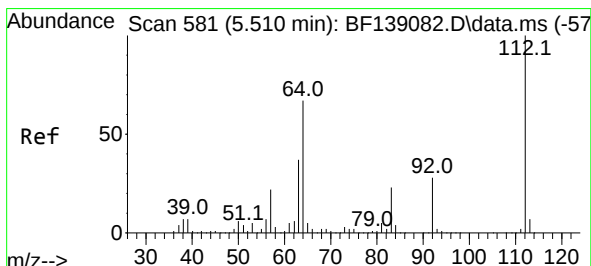
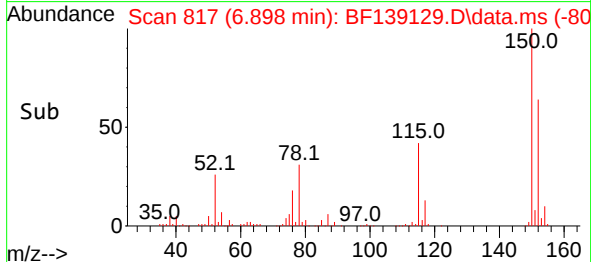
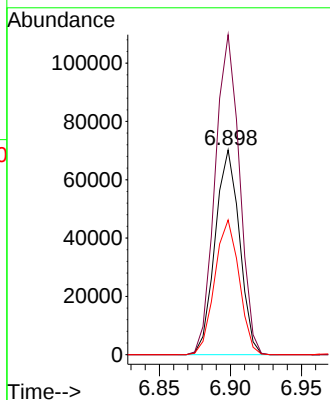
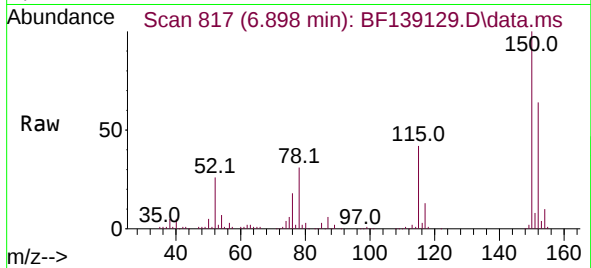
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

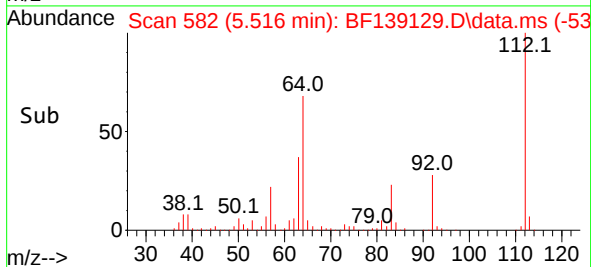
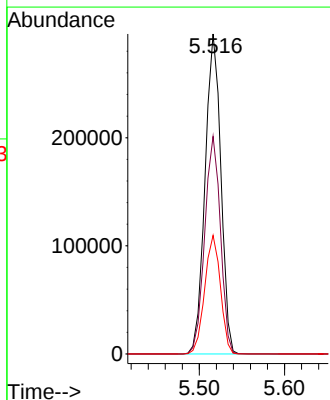
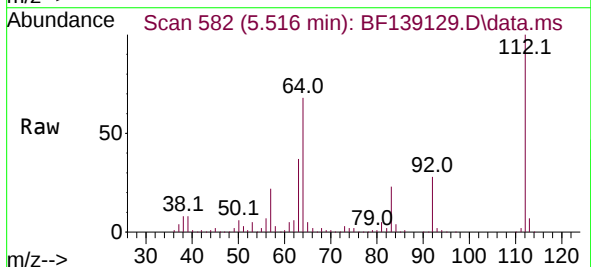
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

Tgt Ion:152 Resp: 83864
Ion Ratio Lower Upper
152 100
150 156.2 125.1 187.7
115 65.8 51.8 77.6



#5
2-Fluorophenol
Concen: 69.920 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion:112 Resp: 381133
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 37.0 29.4 44.2

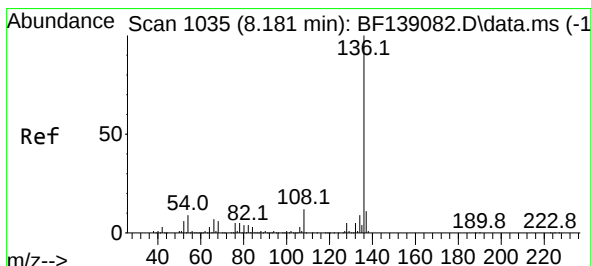
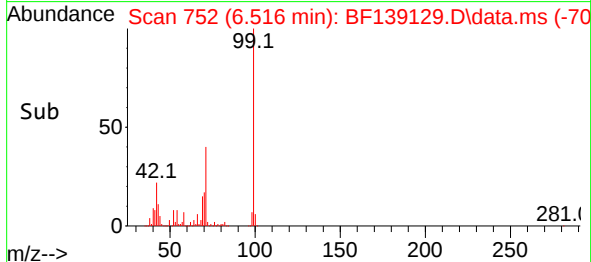
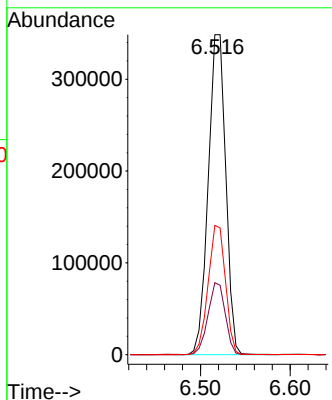
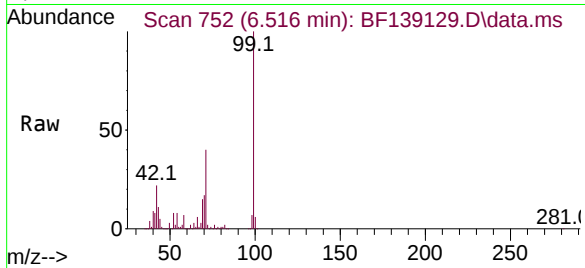




#7
Phenol-d6
Concen: 67.093 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

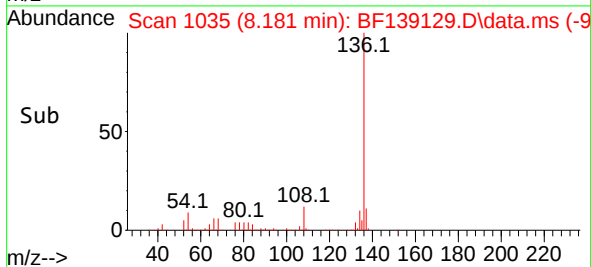
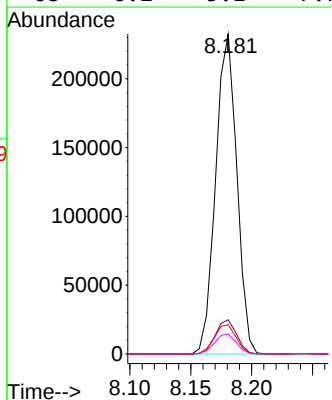
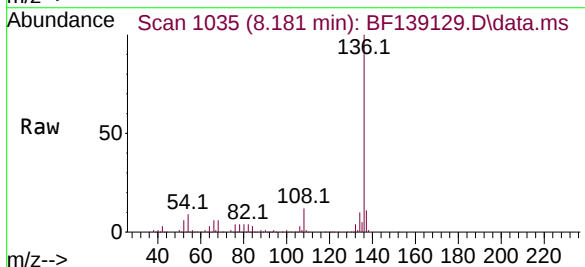
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

Tgt Ion: 99 Resp: 472556
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.2
71 40.4 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: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion: 136 Resp: 280884
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.2 7.6 11.4
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 63.839 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

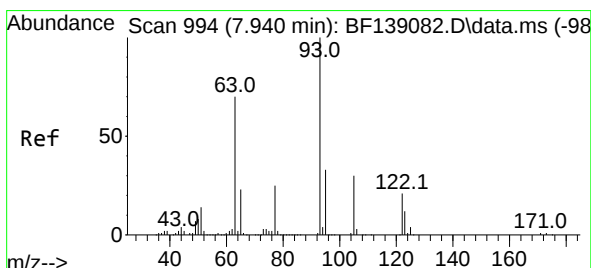
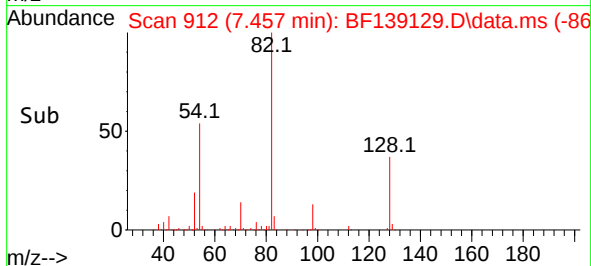
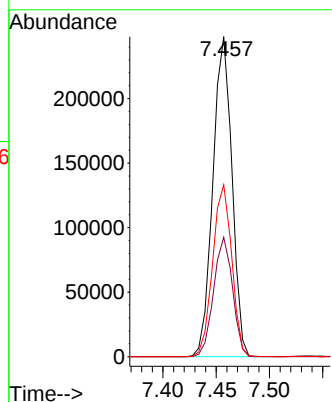
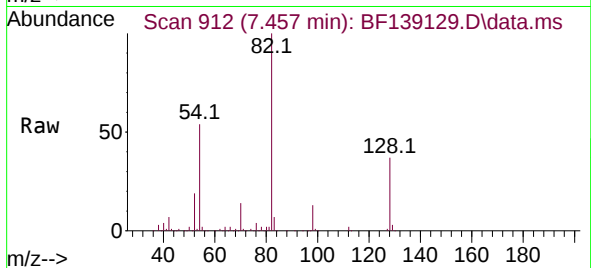
Tgt Ion: 82 Resp: 307730

Ion Ratio Lower Upper

82 100

128 37.3 29.0 43.4

54 53.7 43.4 65.2



#32

Benzoic acid

Concen: 23.581 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.042 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

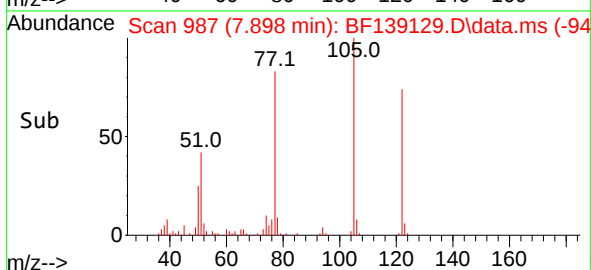
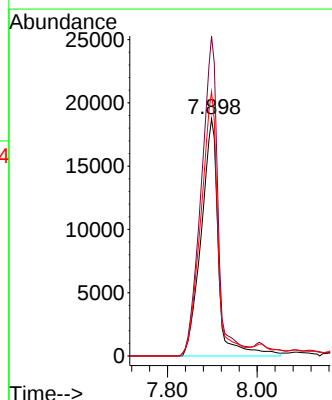
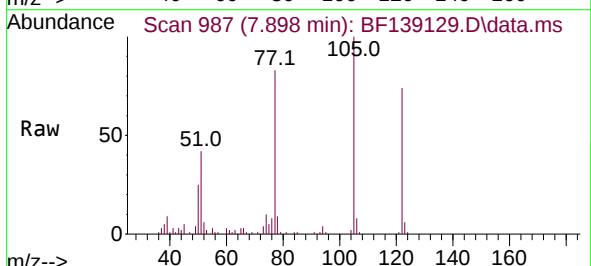
Tgt Ion: 122 Resp: 49892

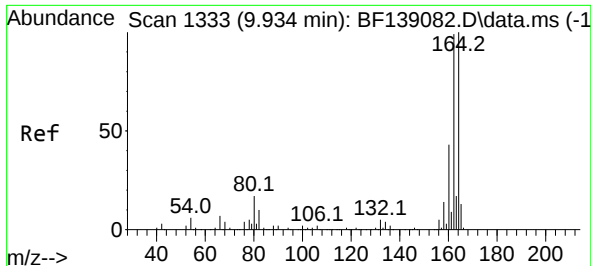
Ion Ratio Lower Upper

122 100

105 135.0 119.6 159.6

77 111.5 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.001 min

Lab File: BF139129.D

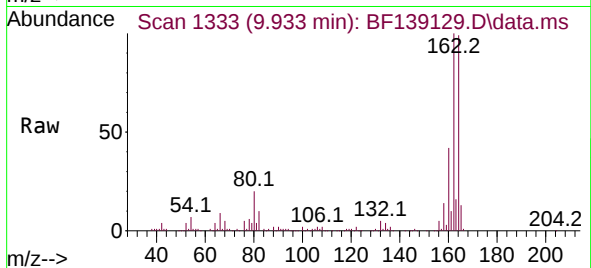
Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524



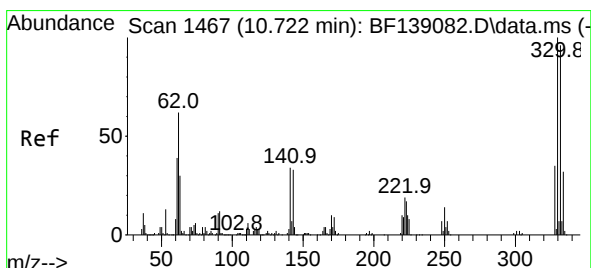
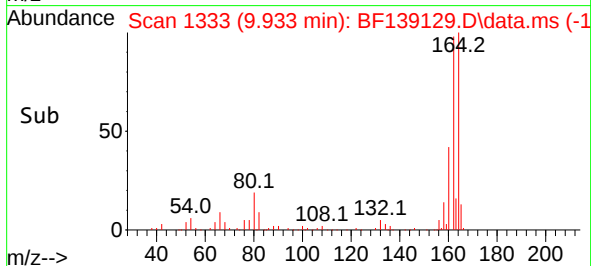
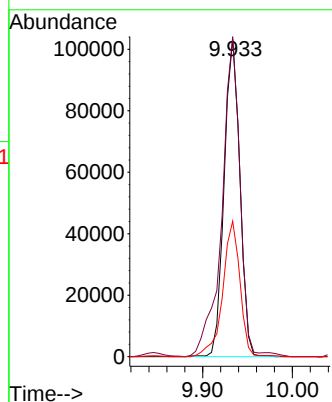
Tgt Ion:164 Resp: 125689

Ion Ratio Lower Upper

164 100

162 100.8 79.5 119.3

160 42.7 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 71.275 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

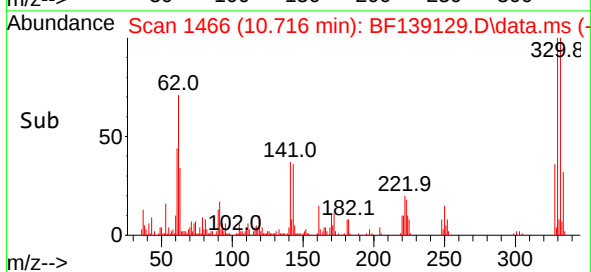
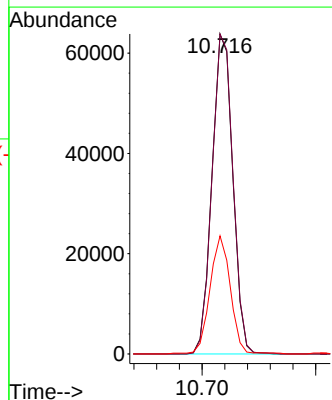
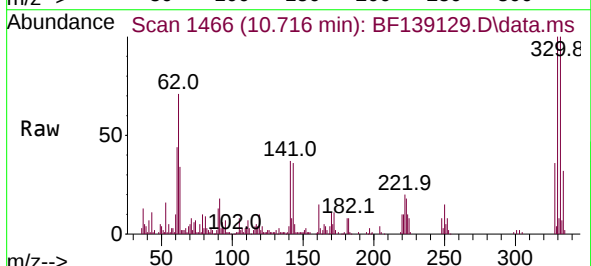
Tgt Ion:330 Resp: 81100

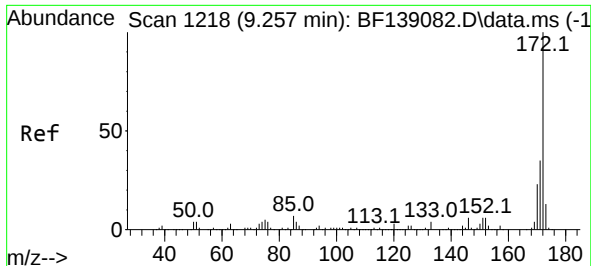
Ion Ratio Lower Upper

330 100

332 100.3 77.0 115.6

141 36.5 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 60.275 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

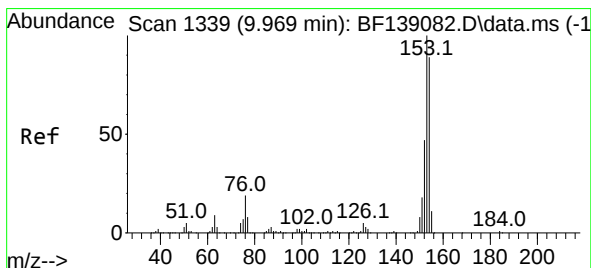
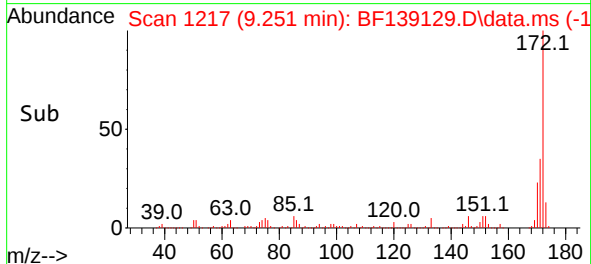
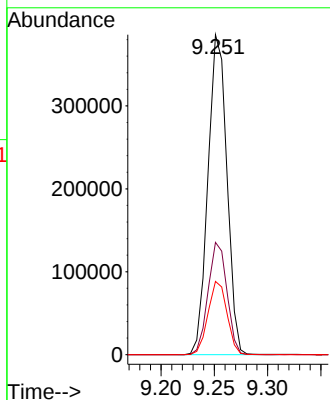
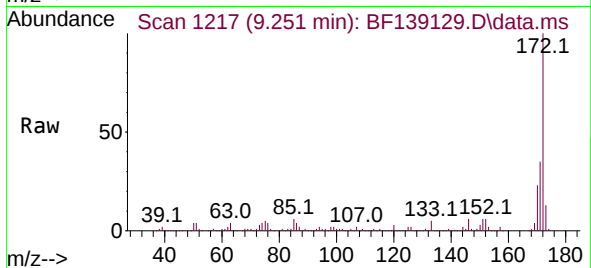
Tgt Ion:172 Resp: 477489

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 22.9 18.8 28.2



#52

Acenaphthene

Concen: 3.730 ng

RT: 9.963 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

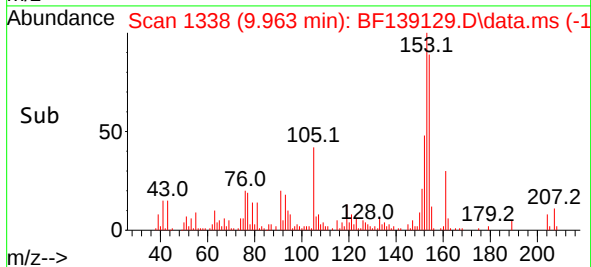
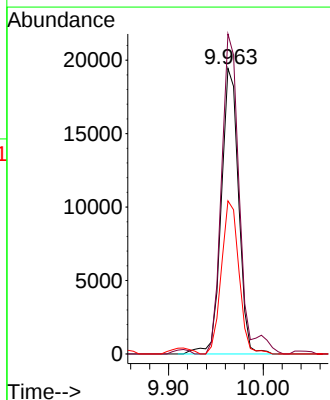
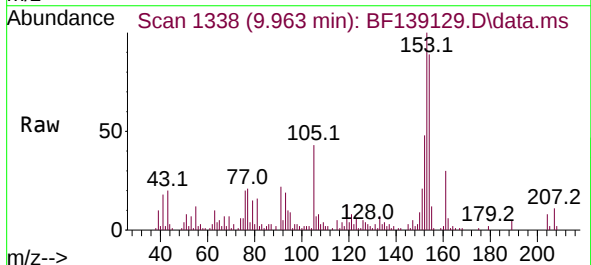
Tgt Ion:154 Resp: 24693

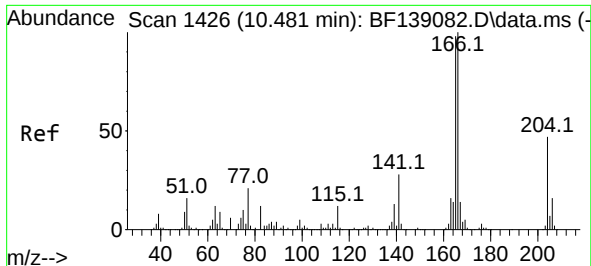
Ion Ratio Lower Upper

154 100

153 112.1 89.7 134.5

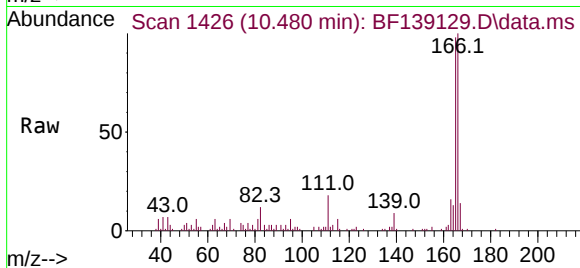
152 53.6 42.3 63.5



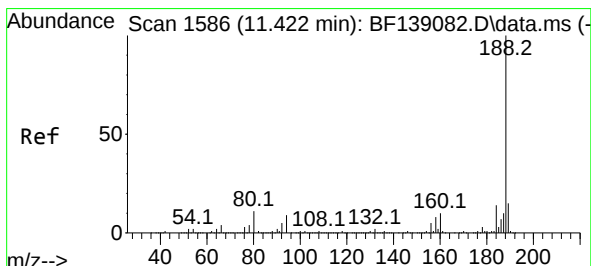
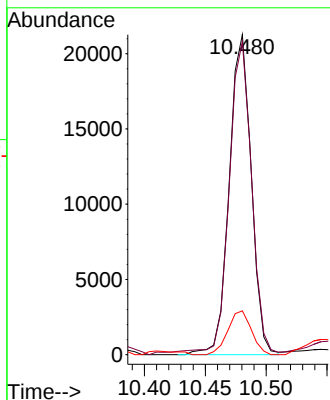
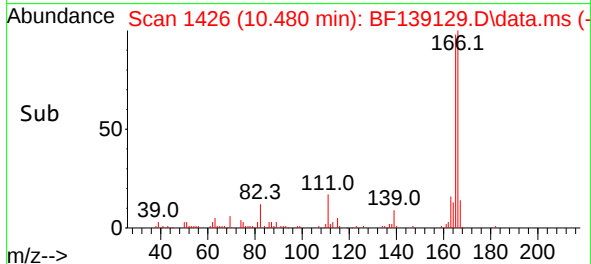


#58
Fluorene
Concen: 3.480 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

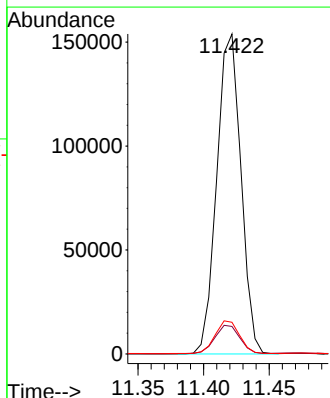
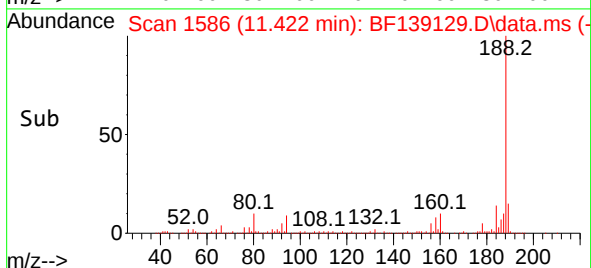
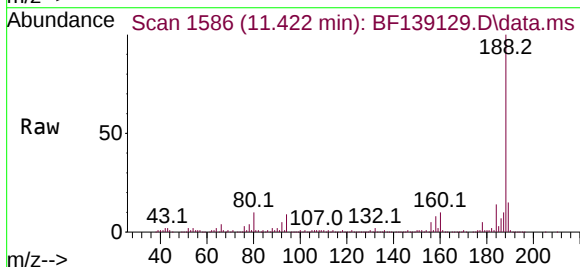


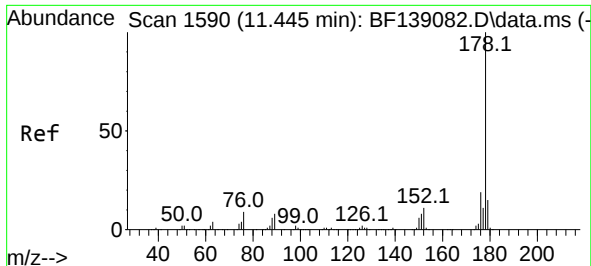
Tgt Ion:166 Resp: 26738
Ion Ratio Lower Upper
166 100
165 97.9 78.0 117.0
167 13.7 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion:188 Resp: 197256
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.9 8.5 12.7

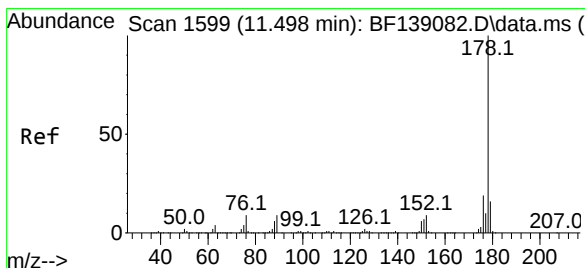
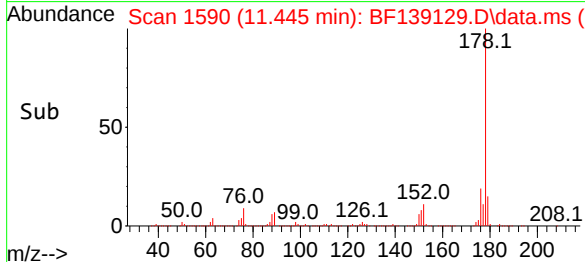
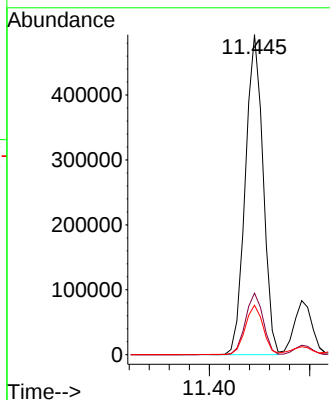
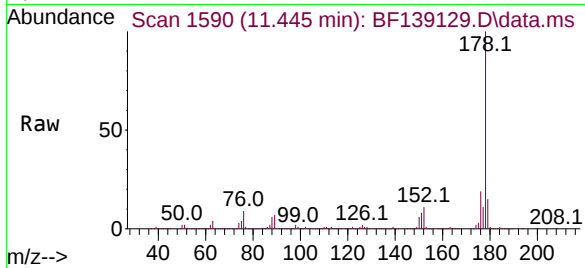




#71
Phenanthrene
Concen: 60.488 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

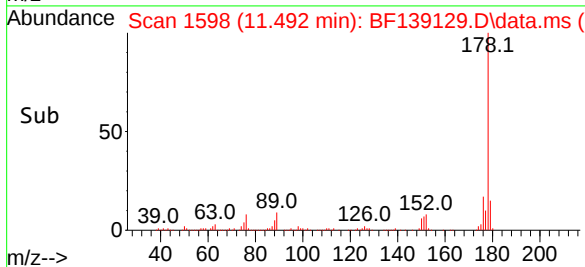
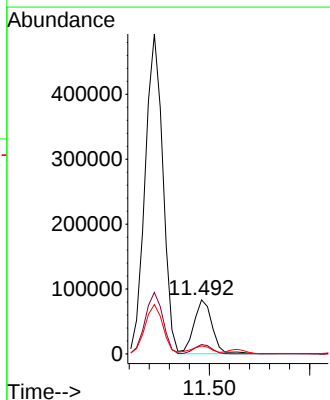
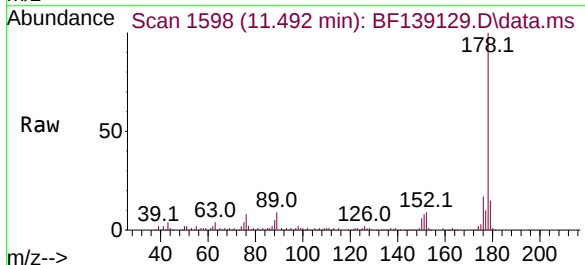
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

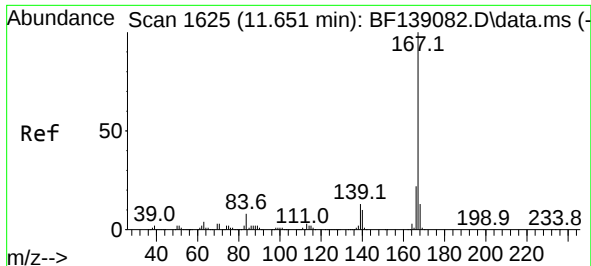
Tgt Ion:178 Resp: 606464
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.3 18.5



#72
Anthracene
Concen: 10.701 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion:178 Resp: 104926
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.4
179 14.9 12.4 18.6

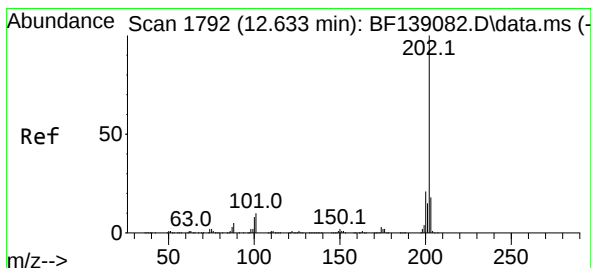
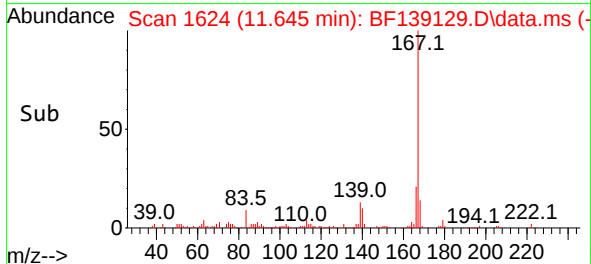
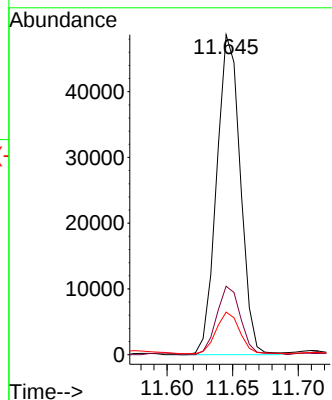
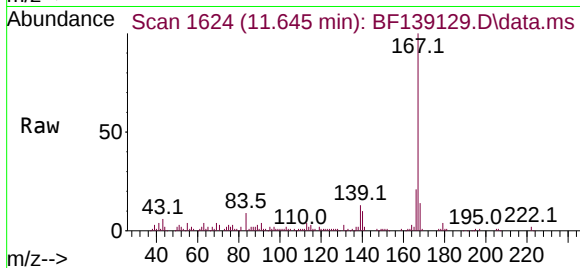




#73
 Carbazole
 Concen: 6.679 ng
 RT: 11.645 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF139129.D
 Acq: 22 Aug 2024 18:21

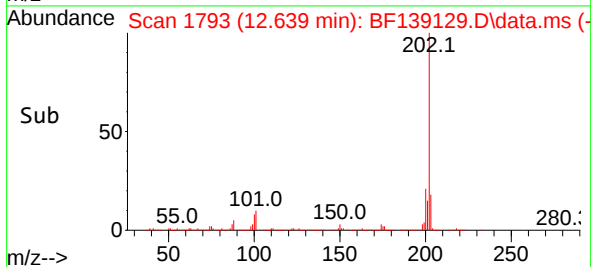
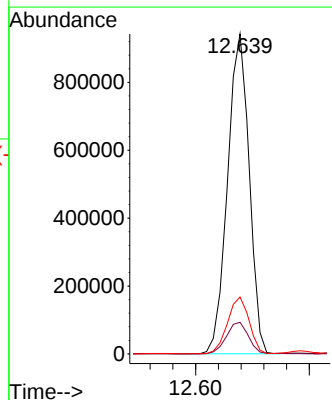
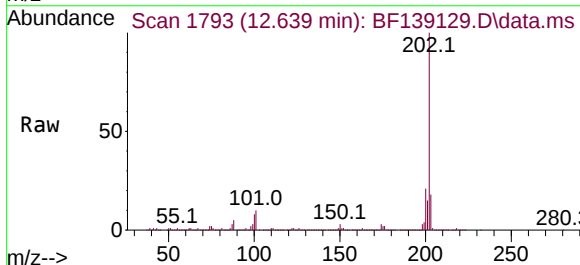
Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0-0.5-081524

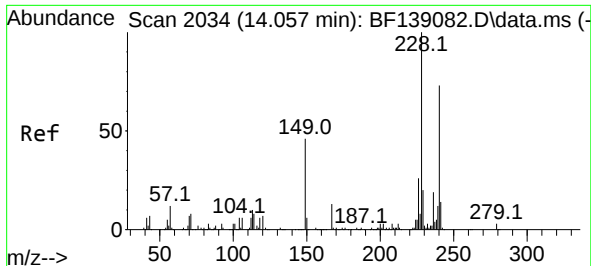
Tgt Ion:167 Resp: 61150
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 13.3 10.5 15.7



#75
 Fluoranthene
 Concen: 116.263 ng
 RT: 12.639 min Scan# 1793
 Delta R.T. 0.006 min
 Lab File: BF139129.D
 Acq: 22 Aug 2024 18:21

Tgt Ion:202 Resp: 1244151
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.2
 203 17.8 0.0 37.6

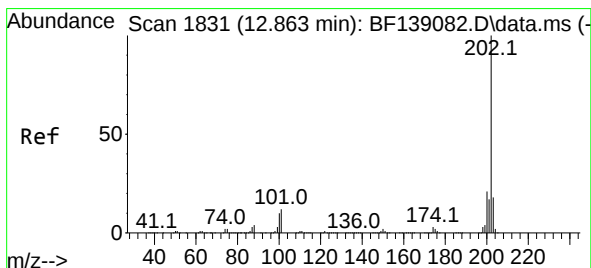
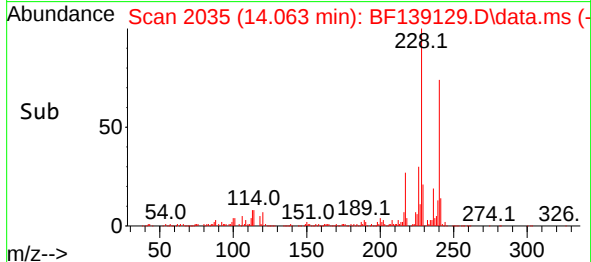
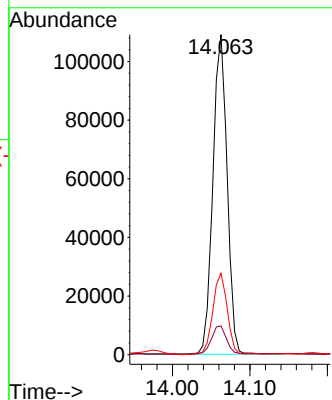
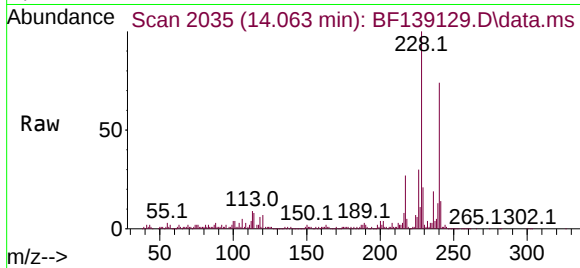




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

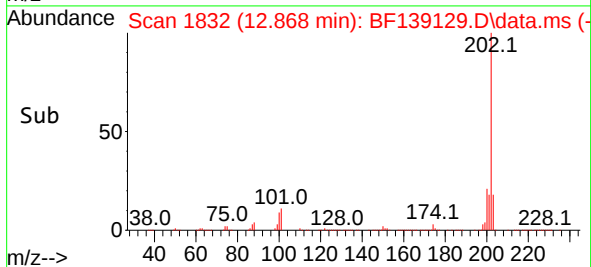
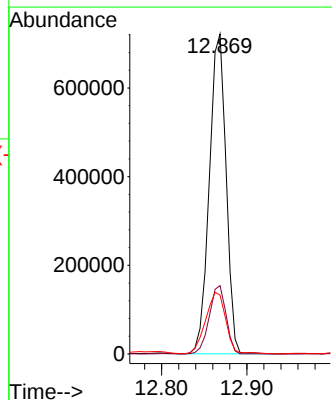
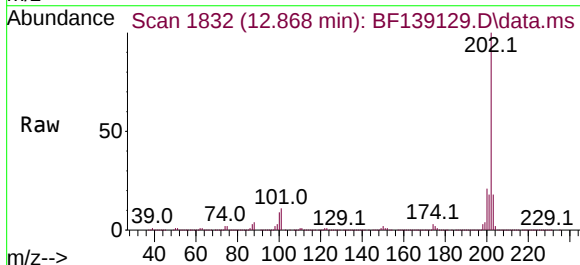
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

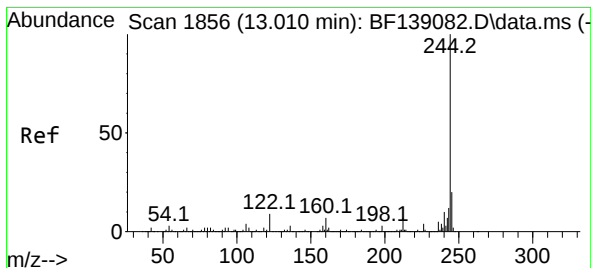
Tgt Ion:240 Resp: 138893
Ion Ratio Lower Upper
240 100
120 9.0 7.8 11.6
236 25.5 20.9 31.3



#78
Pyrene
Concen: 84.891 ng
RT: 12.868 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion:202 Resp: 983960
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 53.725 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

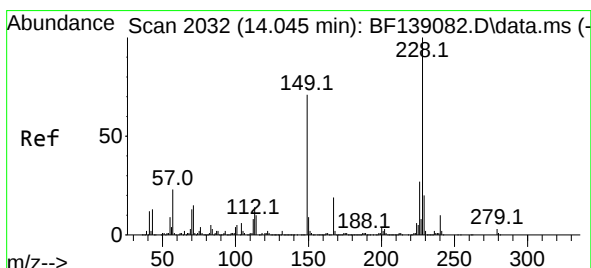
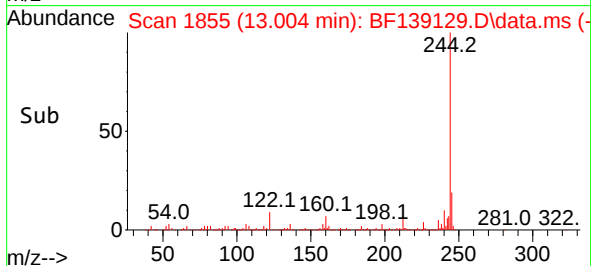
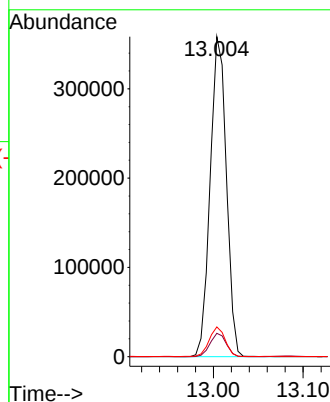
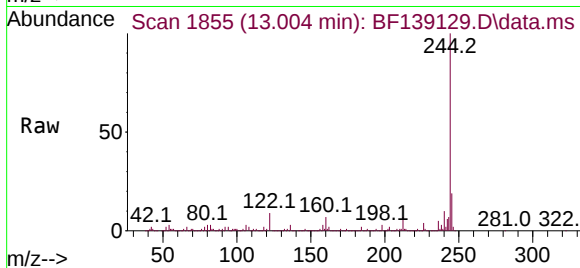
Tgt Ion:244 Resp: 449707

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.3 7.6 11.4



#81

Benzo(a)anthracene

Concen: 45.843 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

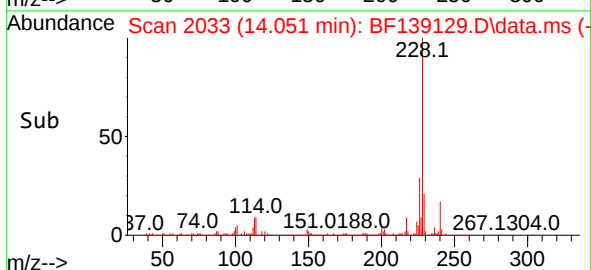
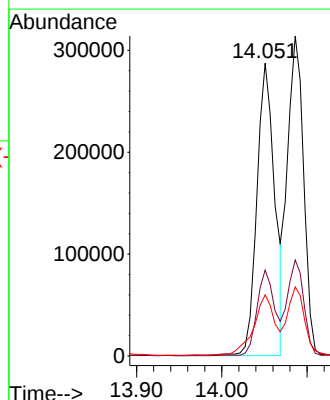
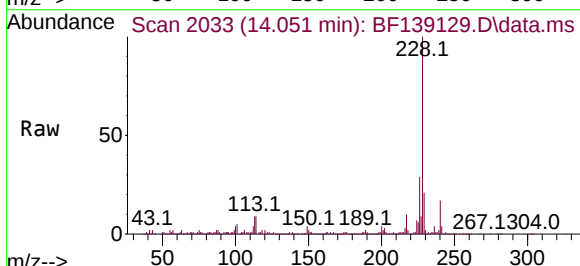
Tgt Ion:228 Resp: 418556

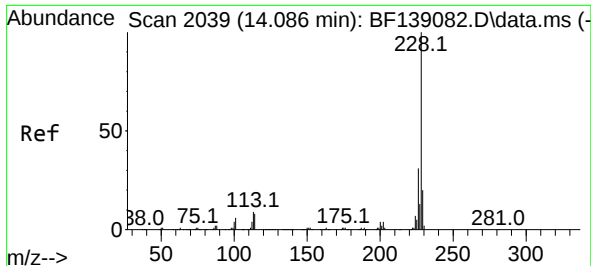
Ion Ratio Lower Upper

228 100

226 29.3 21.9 32.9

229 20.9 16.1 24.1





#83

Chrysene

Concen: 49.707 ng

RT: 14.086 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

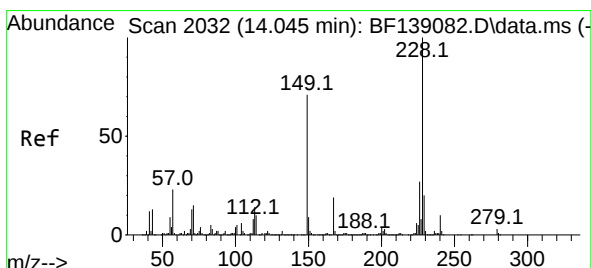
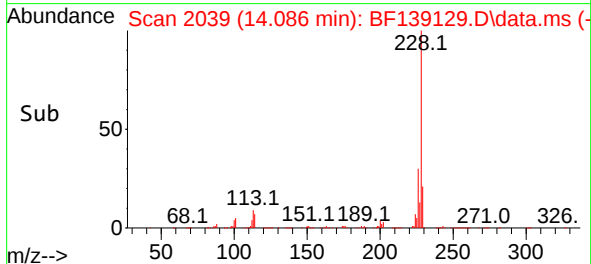
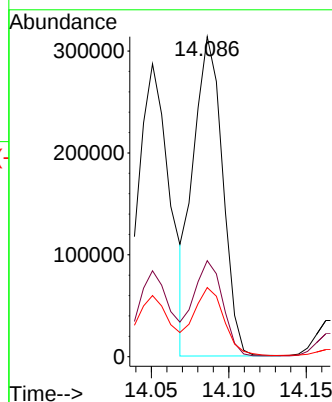
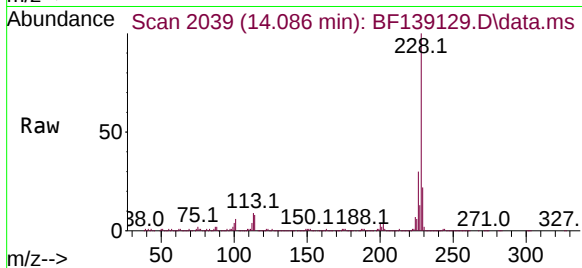
Tgt Ion:228 Resp: 411366

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.093 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

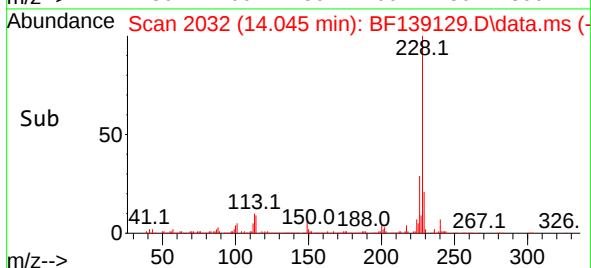
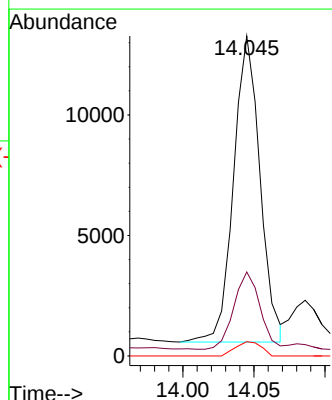
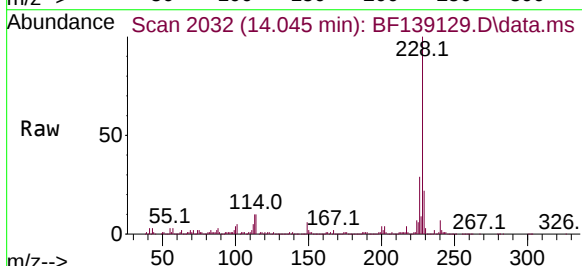
Tgt Ion:149 Resp: 16441

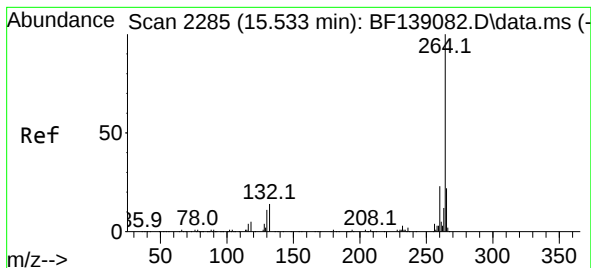
Ion Ratio Lower Upper

149 100

167 26.3 21.8 32.6

279 4.5 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

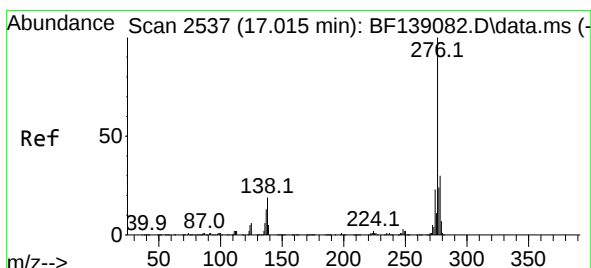
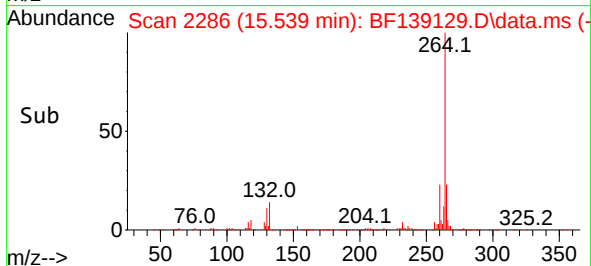
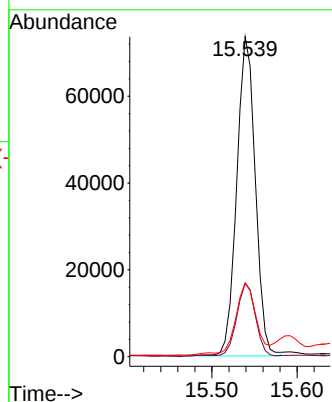
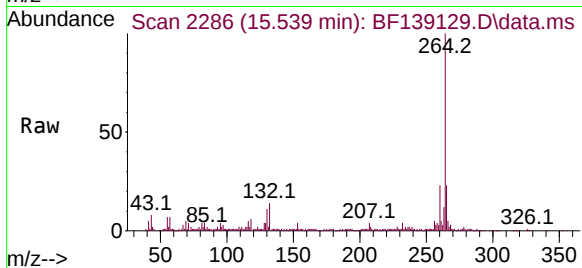
Tgt Ion:264 Resp: 111251

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 23.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 31.457 ng

RT: 17.027 min Scan# 2539

Delta R.T. 0.012 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

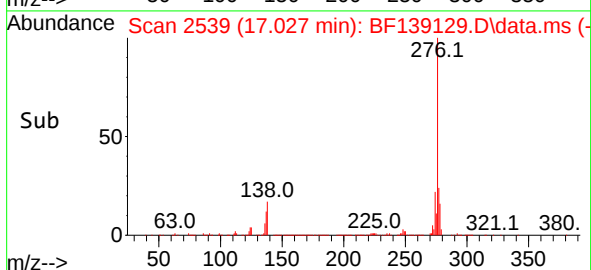
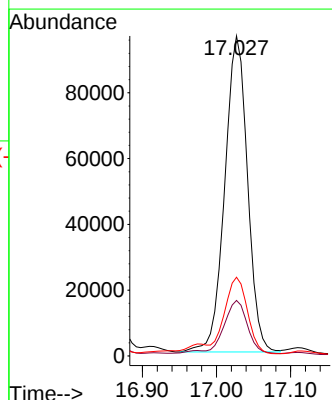
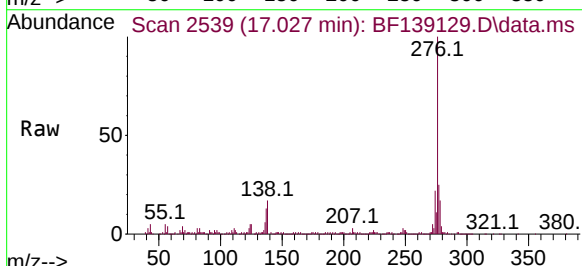
Tgt Ion:276 Resp: 204821

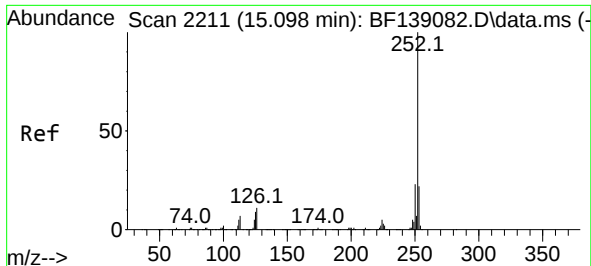
Ion Ratio Lower Upper

276 100

138 17.6 17.3 25.9

277 24.1 20.2 30.4

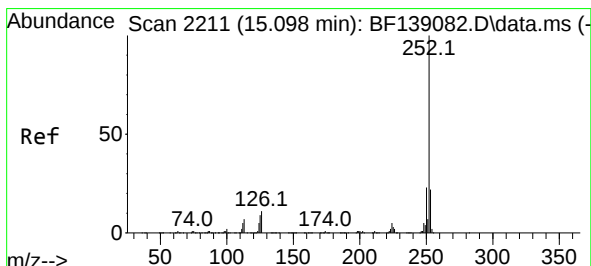
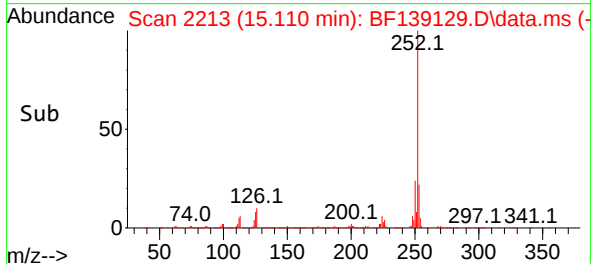
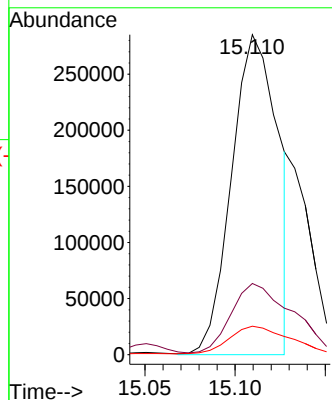
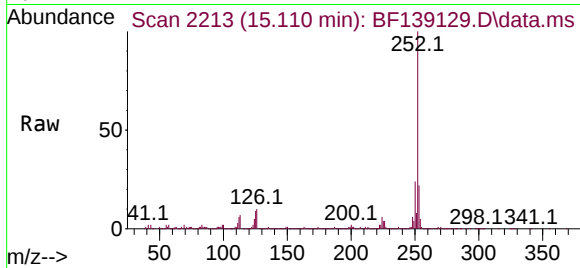




#88
Benzo(b)fluoranthene
Concen: 70.700 ng m
RT: 15.110 min Scan# 2212
Delta R.T. 0.012 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

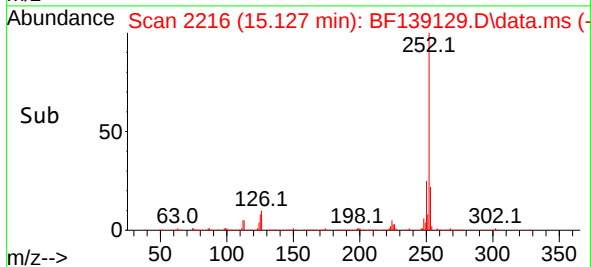
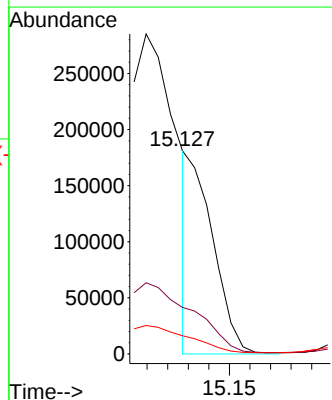
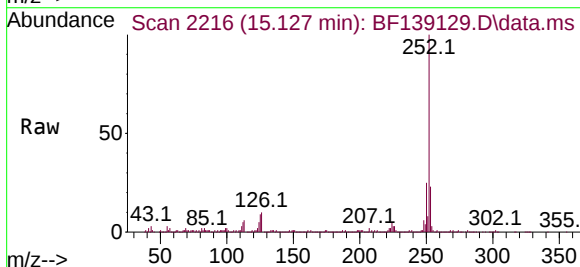
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524

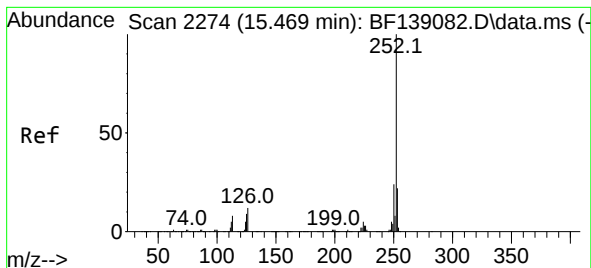
Tgt Ion:252 Resp: 512773
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.9 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 24.138 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF139129.D
Acq: 22 Aug 2024 18:21

Tgt Ion:252 Resp: 145809
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 9.0 7.0 10.6





#90

Benzo(a)pyrene

Concen: 49.844 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524

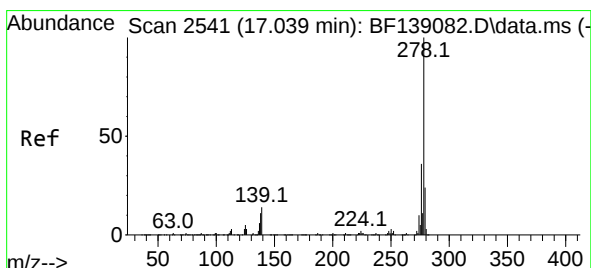
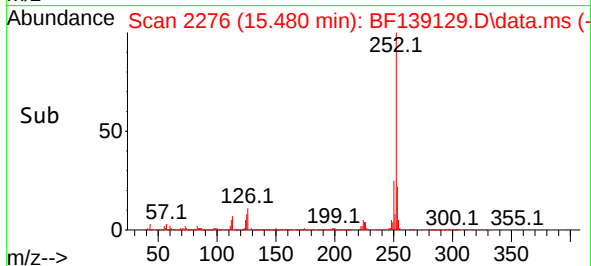
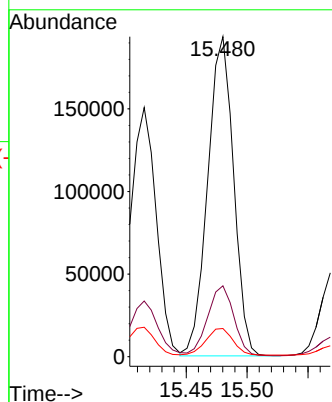
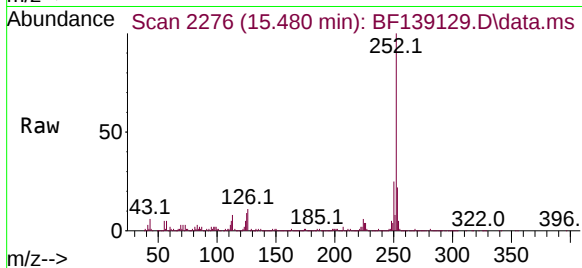
Tgt Ion:252 Resp: 285653

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 8.8 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 8.357 ng

RT: 17.039 min Scan# 2541

Delta R.T. -0.000 min

Lab File: BF139129.D

Acq: 22 Aug 2024 18:21

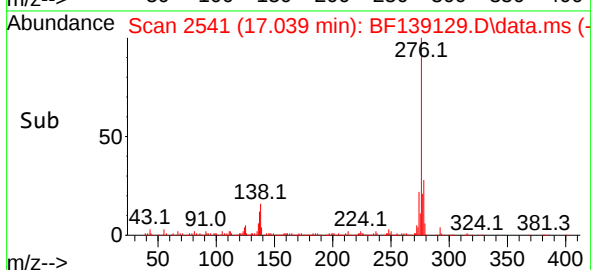
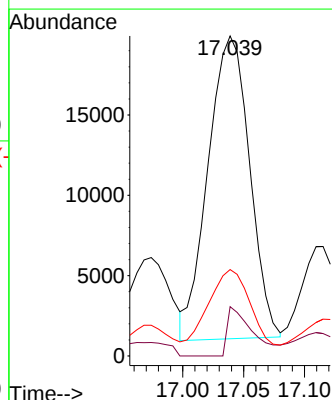
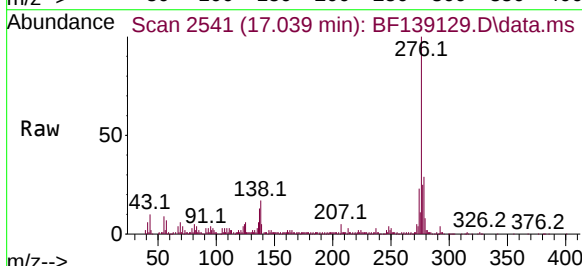
Tgt Ion:278 Resp: 44665

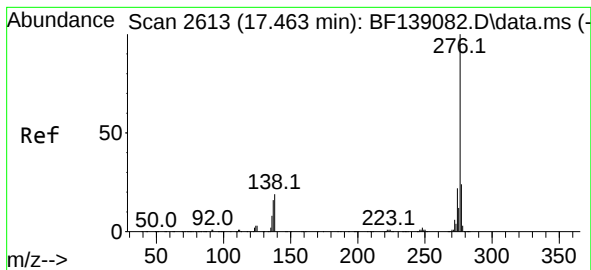
Ion Ratio Lower Upper

278 100

139 15.4 10.8 16.2

279 27.0 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 32.720 ng

RT: 17.480 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF139129.D

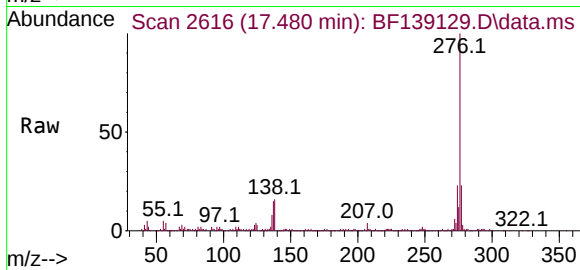
Acq: 22 Aug 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524



Tgt Ion:276 Resp: 194032

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 16.5 15.0 22.4

