

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139908.D
 Acq On : 21 Oct 2024 17:39
 Operator : RC/JU
 Sample : P4395-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLIDRE

Quant Time: Oct 21 18:09:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

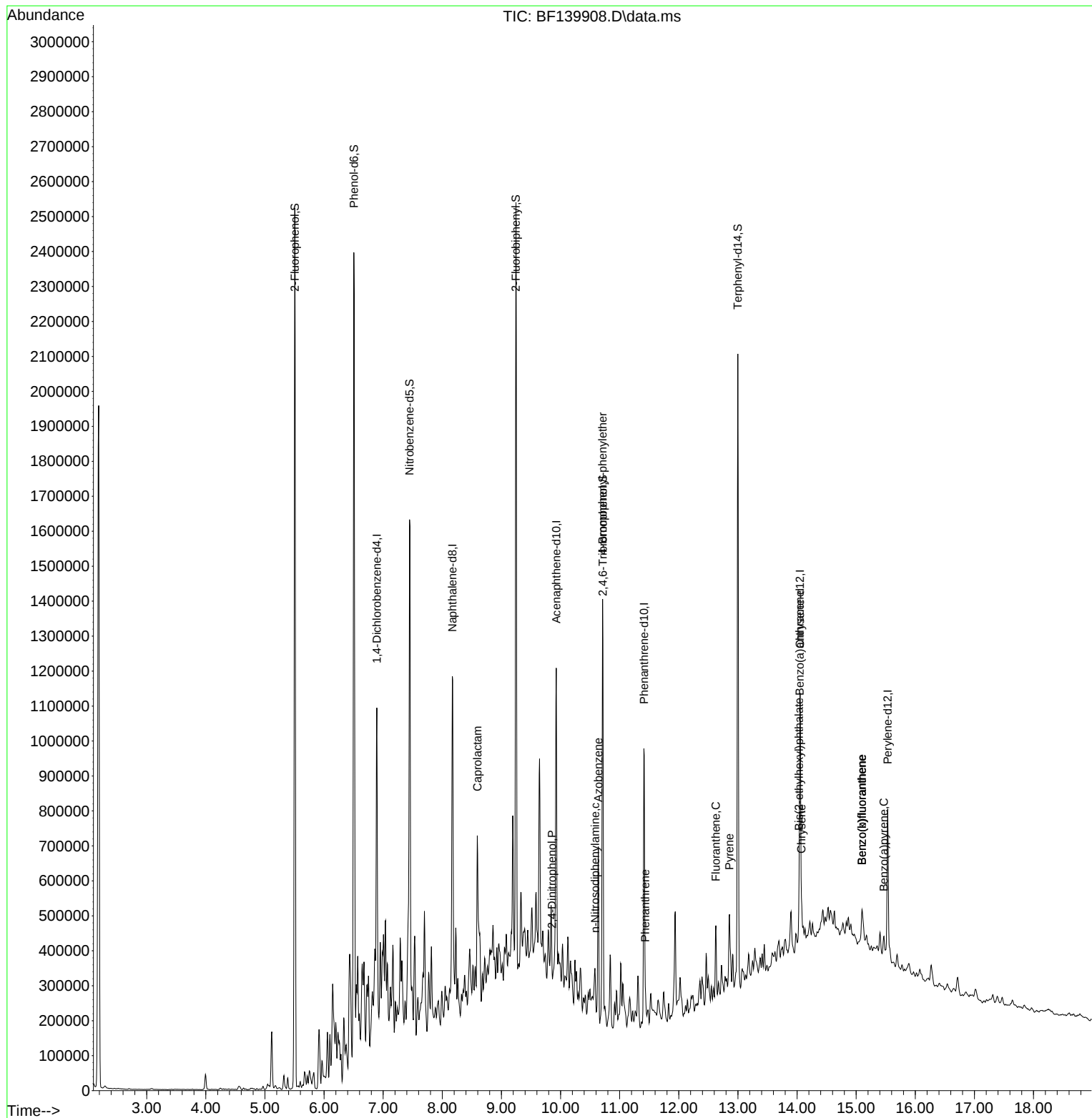
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	157913	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	535239	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	246201	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	428423	20.000	ng	0.00
76) Chrysene-d12	14.051	240	301154	20.000	ng	0.00
86) Perylene-d12	15.533	264	256782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	895150	88.742	ng	0.00
7) Phenol-d6	6.504	99	1069336	81.851	ng	0.00
23) Nitrobenzene-d5	7.445	82	639882	66.259	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	199790	86.756	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	916208	61.503	ng	0.00
79) Terphenyl-d14	12.998	244	872137	47.189	ng	0.00
Target Compounds						
					Qvalue	
35) Caprolactam	8.592	113	14080	5.837	ng	# 5
54) 2,4-Dinitrophenol	9.857	184	119	6.607	ng	# 12
63) Azobenzene	10.639	77	114773	7.190	ng	# 1
66) n-Nitrosodiphenylamine	10.586	169	29399	2.293	ng	# 52
67) 4-Bromophenyl-phenylether	10.710	248	13462	3.050	ng	# 1
71) Phenanthrene	11.433	178	46914	2.318	ng	97
75) Fluoranthene	12.627	202	114575	5.601	ng	99
78) Pyrene	12.857	202	125551	4.763	ng	97
81) Benzo(a)anthracene	14.045	228	60652	3.094	ng	# 81
83) Chrysene	14.074	228	60029	3.340	ng	# 82
84) Bis(2-ethylhexyl)phtha...	14.033	149	20323	2.292	ng	# 91
88) Benzo(b)fluoranthene	15.098	252	72608	4.642	ng	# 85
89) Benzo(k)fluoranthene	15.098	252	72608	5.382	ng	# 85
90) Benzo(a)pyrene	15.468	252	37680	2.928	ng	# 83

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

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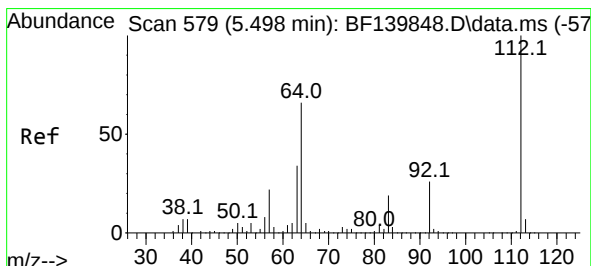
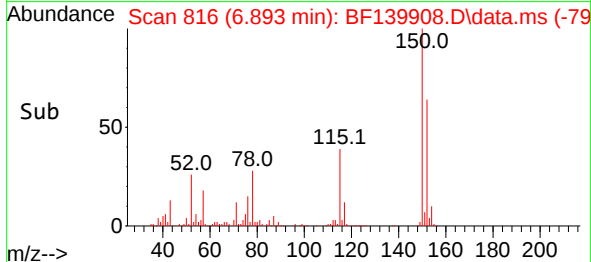
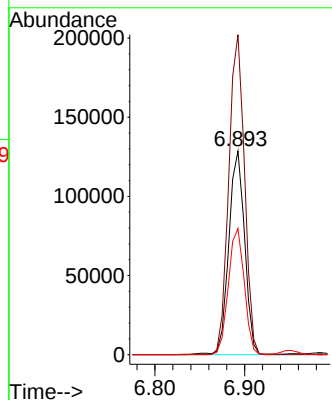
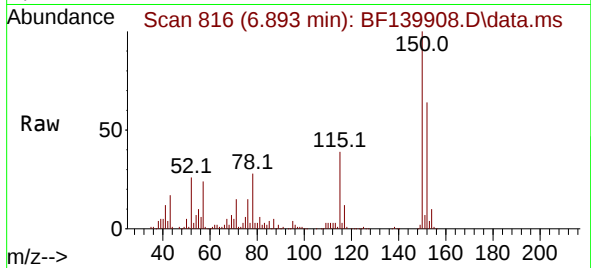




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

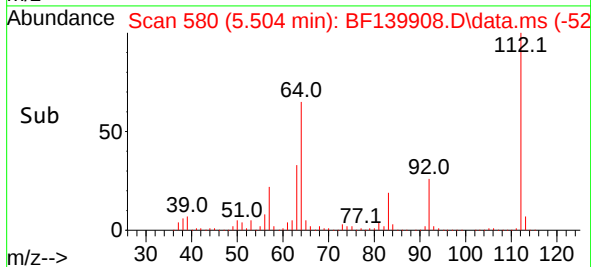
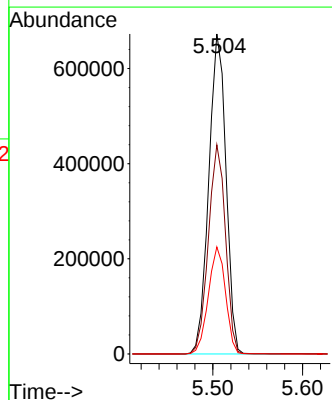
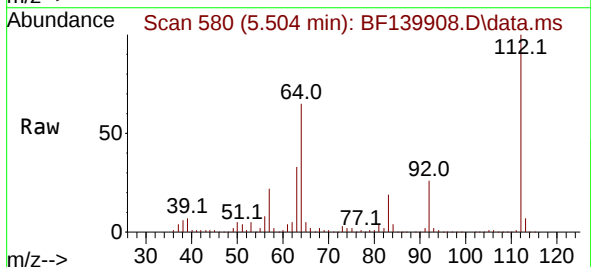
Instrument :
BNA_F
ClientSampleId :
F05308-SOLIDRE

Tgt Ion:152 Resp: 157913
Ion Ratio Lower Upper
152 100
150 157.3 130.2 195.2
115 62.0 51.4 77.2



#5
2-Fluorophenol
Concen: 88.742 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:112 Resp: 895150
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 33.5 27.0 40.4

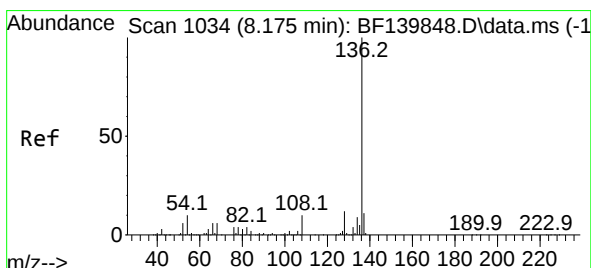
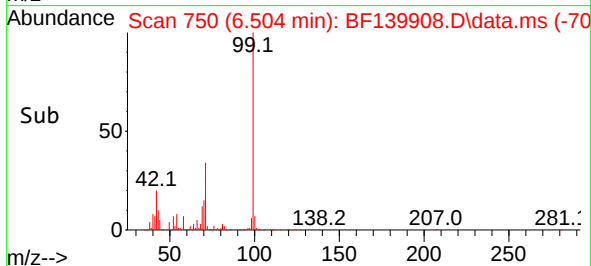
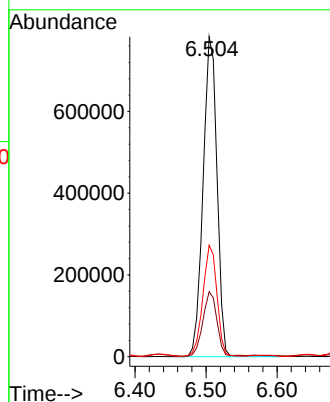
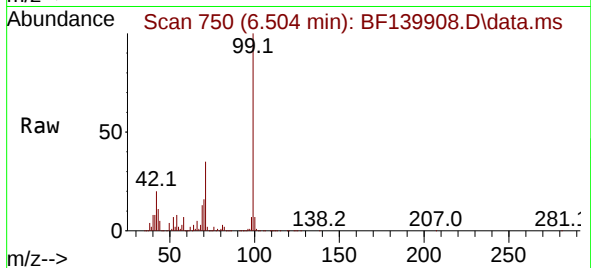




#7
Phenol-d6
Concen: 81.851 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

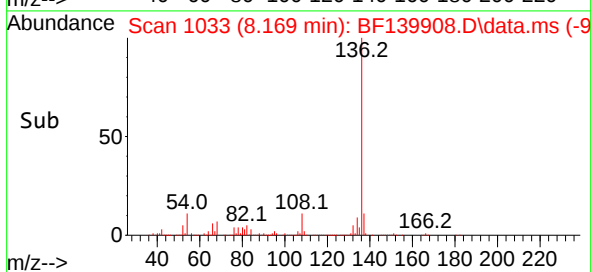
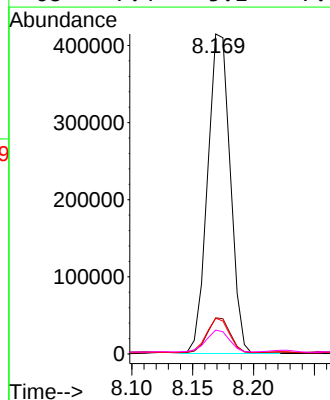
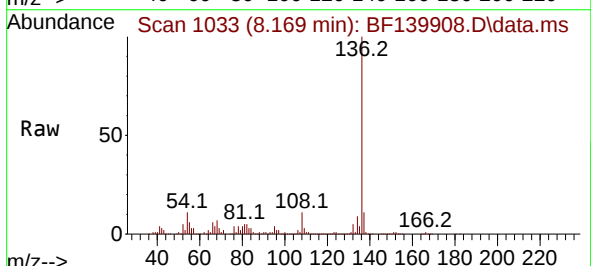
Instrument :
BNA_F
ClientSampleId :
F05308-SOLIDRE

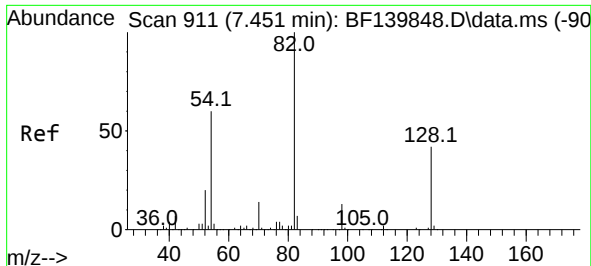
Tgt Ion: 99 Resp: 1069336
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 34.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion: 136 Resp: 535239
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 11.1 8.4 12.6
68 7.4 5.1 7.7

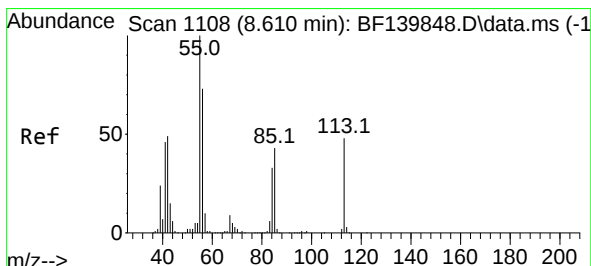
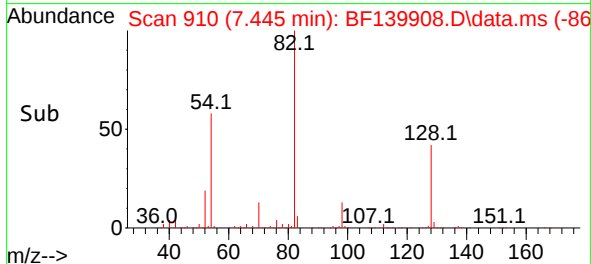
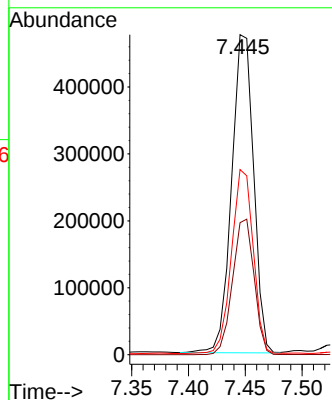
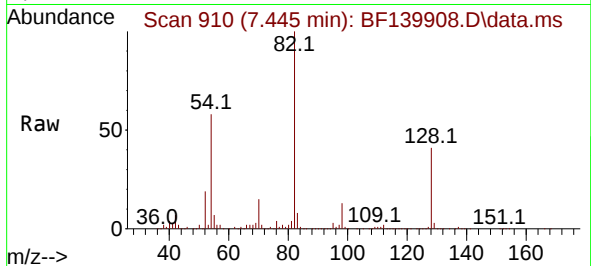




#23
Nitrobenzene-d5
Concen: 66.259 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

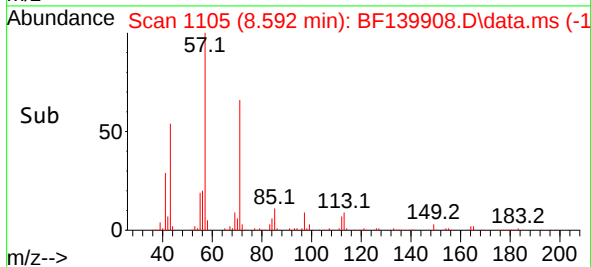
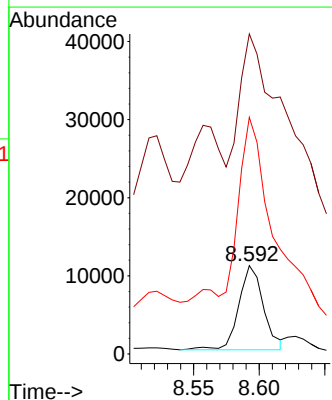
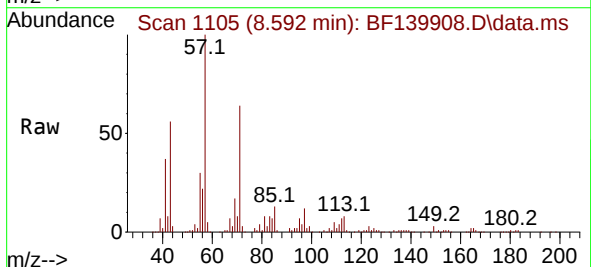
Instrument :
BNA_F
ClientSampleId :
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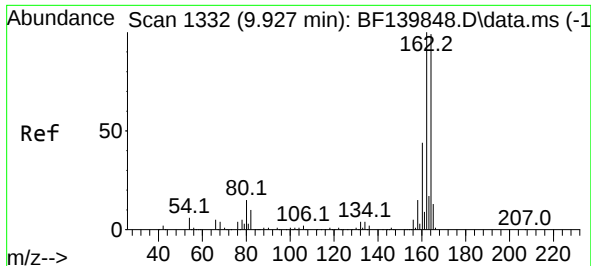
Tgt Ion: 82 Resp: 639882
Ion Ratio Lower Upper
82 100
128 41.3 33.4 50.0
54 57.8 47.8 71.8



#35
Caprolactam
Concen: 5.837 ng
RT: 8.592 min Scan# 1105
Delta R.T. -0.017 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion: 113 Resp: 14080
Ion Ratio Lower Upper
113 100
55 362.6 189.2 229.2#
56 268.1 132.5 172.5#

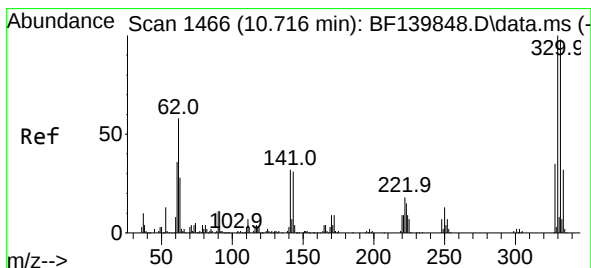
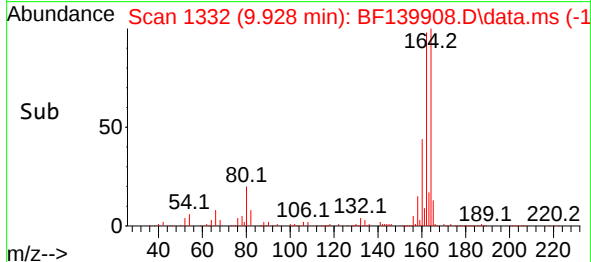
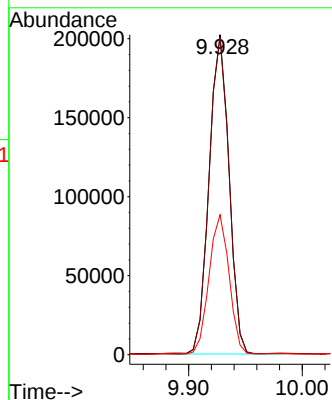
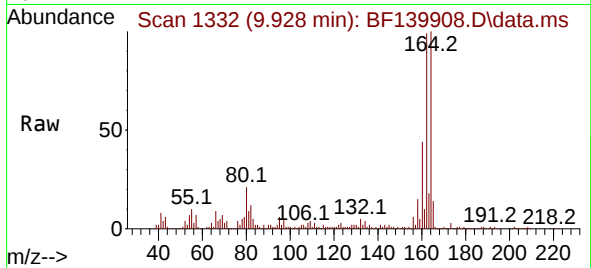




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

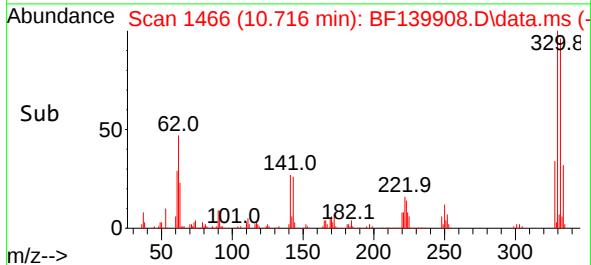
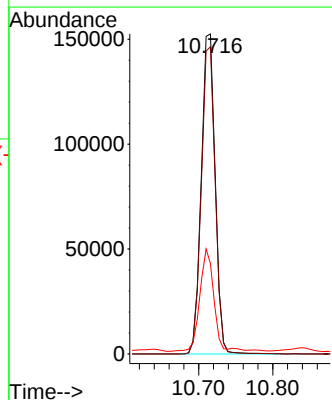
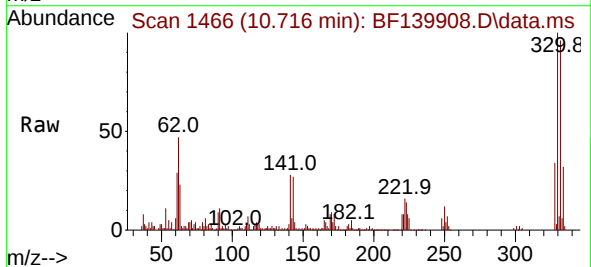
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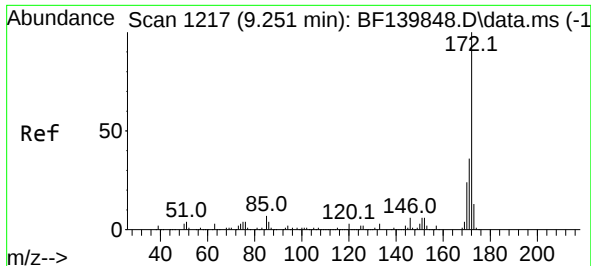
Tgt Ion:164 Resp: 246201
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.4
160 43.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 86.756 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:330 Resp: 199790
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 31.3 26.6 39.8

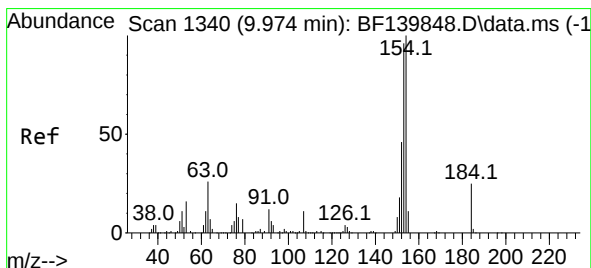
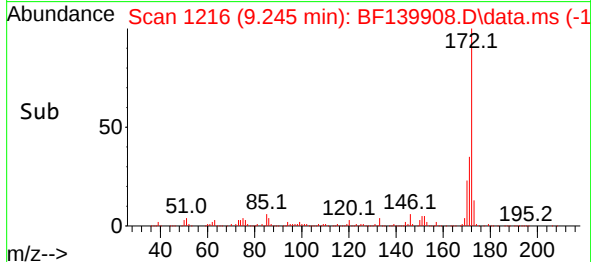
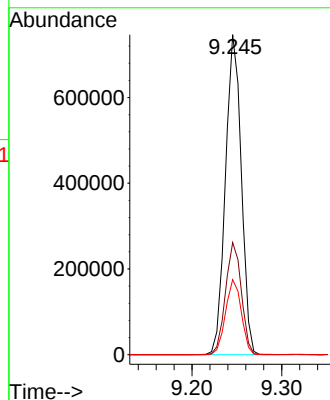
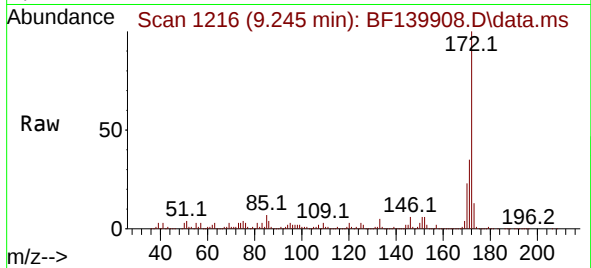




#45
2-Fluorobiphenyl
Concen: 61.503 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

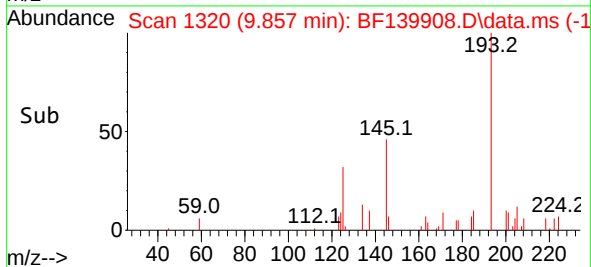
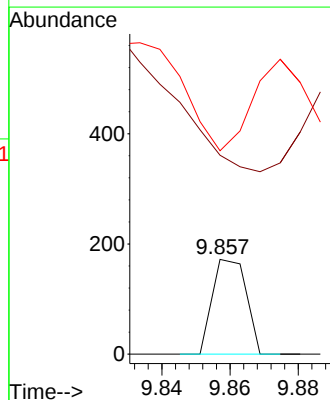
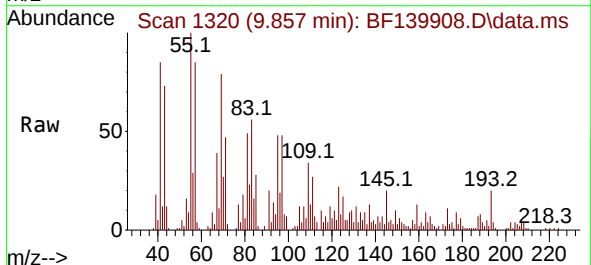
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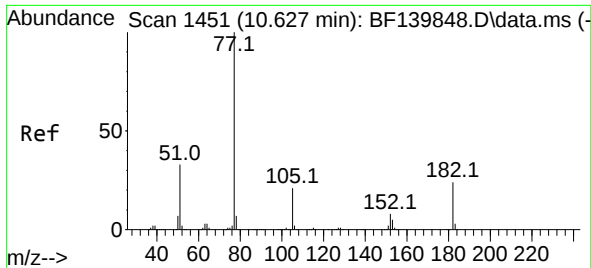
Tgt Ion:172 Resp: 916208
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.4 19.1 28.7



#54
2,4-Dinitrophenol
Concen: 6.607 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.117 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:184 Resp: 119
Ion Ratio Lower Upper
184 100
63 209.9 84.7 127.1#
154 214.5 338.2 507.2#

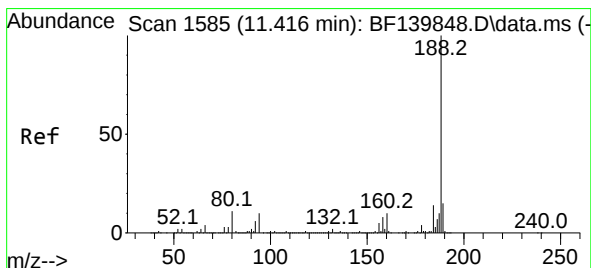
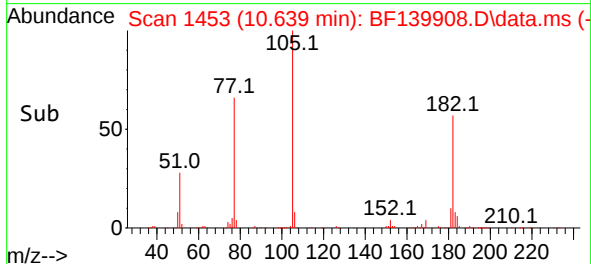
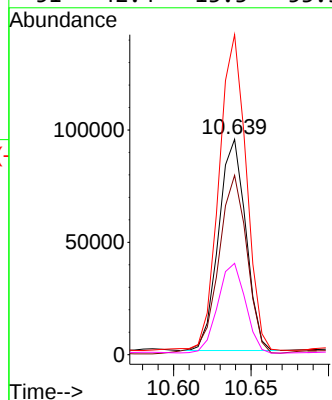
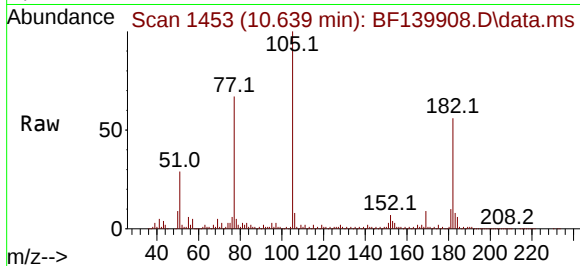




#63
Azobenzene
Concen: 7.190 ng
RT: 10.639 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

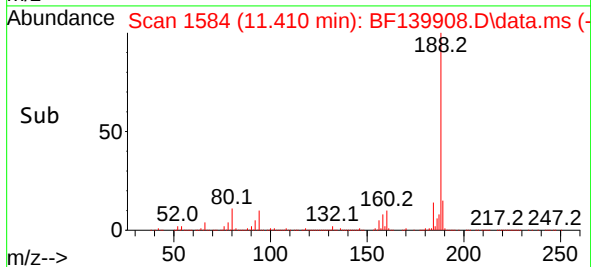
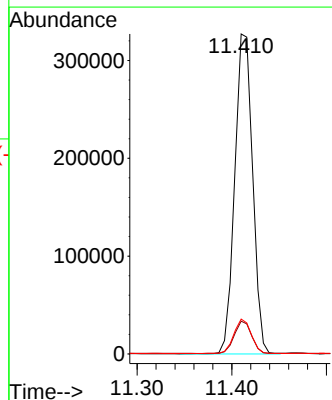
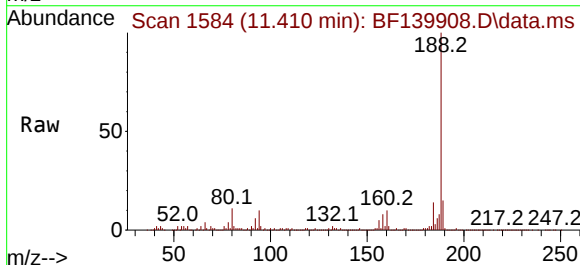
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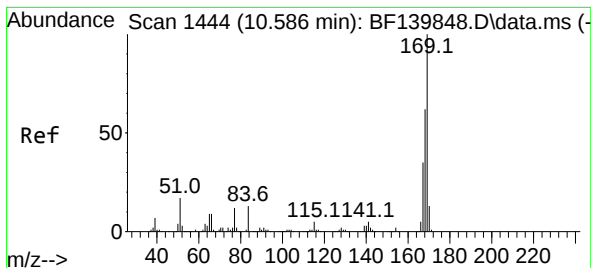
Tgt Ion: 77 Resp: 114773
Ion Ratio Lower Upper
77 100
182 83.2 3.3 43.3#
105 148.6 1.2 41.2#
51 42.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:188 Resp: 428423
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 10.9 9.0 13.4

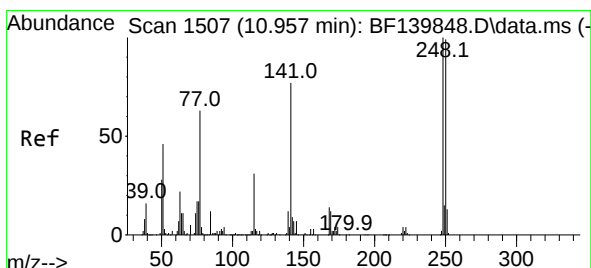
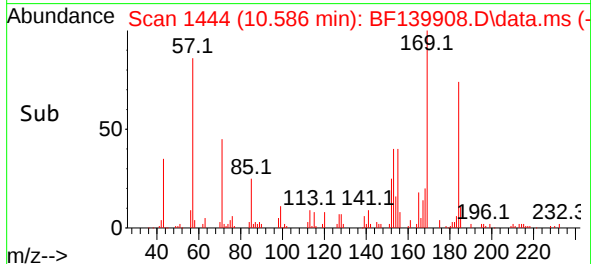
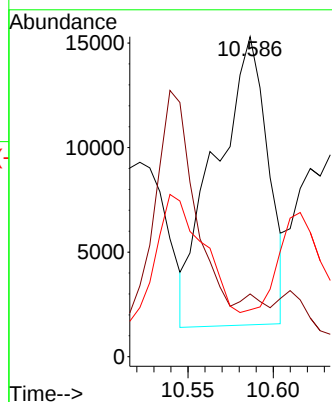
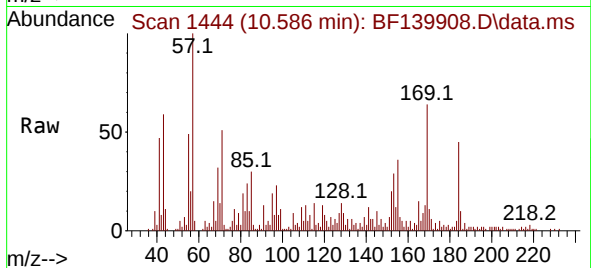




#66
n-Nitrosodiphenylamine
Concen: 2.293 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

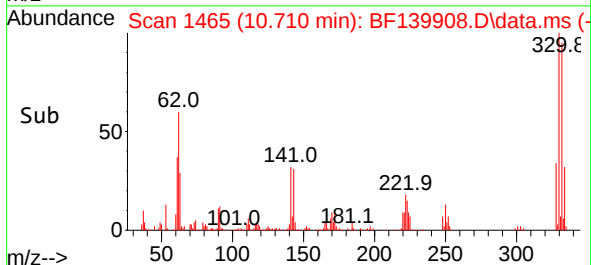
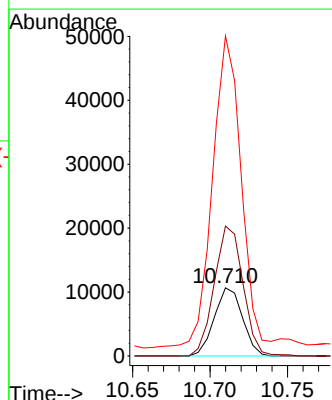
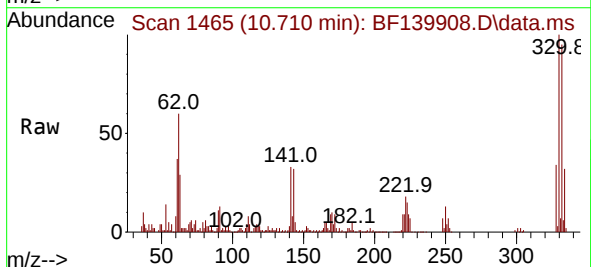
Instrument :
BNA_F
ClientSampleId :
F05308-SOLIDRE

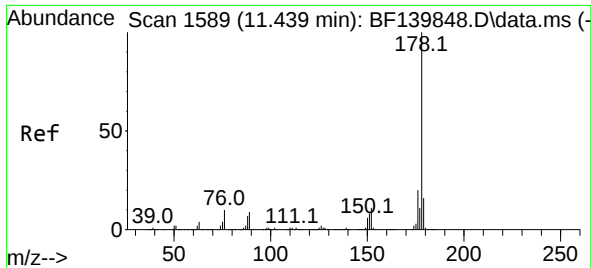
Tgt Ion:169 Resp: 29399
Ion Ratio Lower Upper
169 100
168 19.6 49.8 74.6#
167 14.6 28.0 42.0#



#67
4-Bromophenyl-phenylether
Concen: 3.050 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:248 Resp: 13462
Ion Ratio Lower Upper
248 100
250 190.7 79.0 118.6#
141 469.4 61.7 92.5#

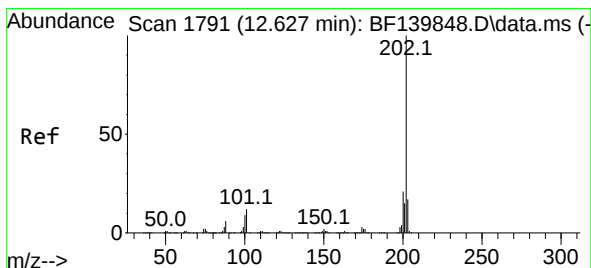
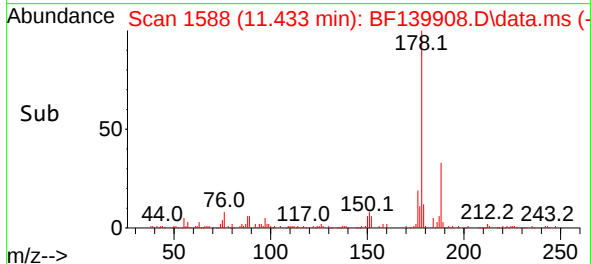
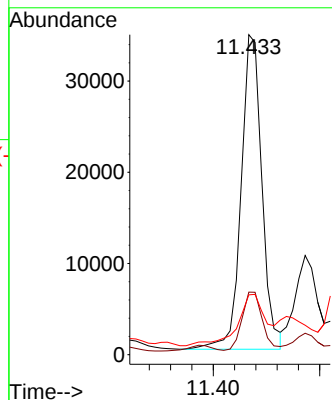
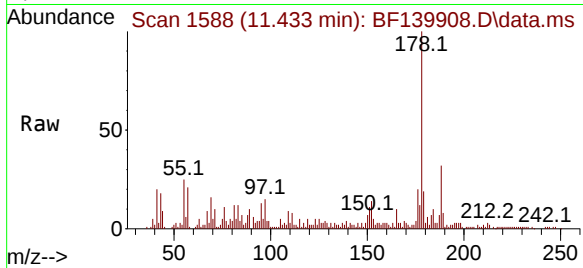




#71
Phenanthrene
Concen: 2.318 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

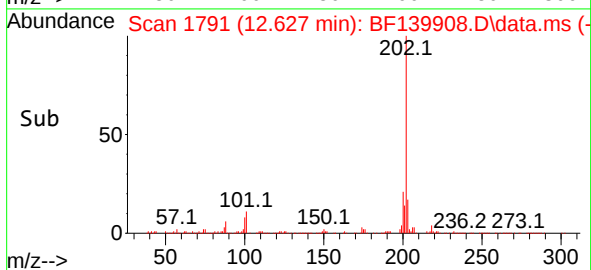
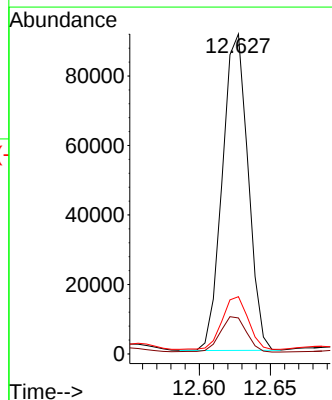
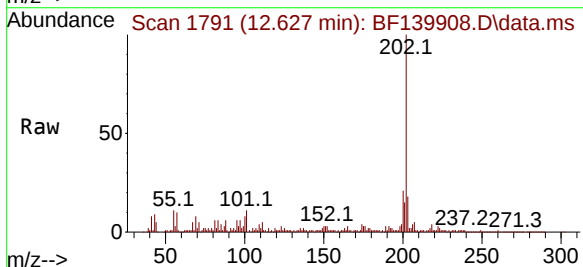
Instrument :
BNA_F
ClientSampleId :
F05308-SOLIDRE

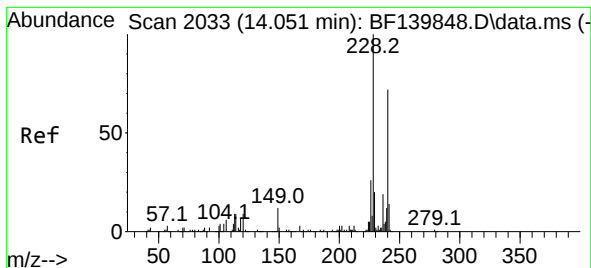
Tgt Ion:178 Resp: 46914
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 18.7 12.6 18.8



#75
Fluoranthene
Concen: 5.601 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:202 Resp: 114575
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.9
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

Instrument :

BNA_F

ClientSampleId :

F05308-SOLIDRE

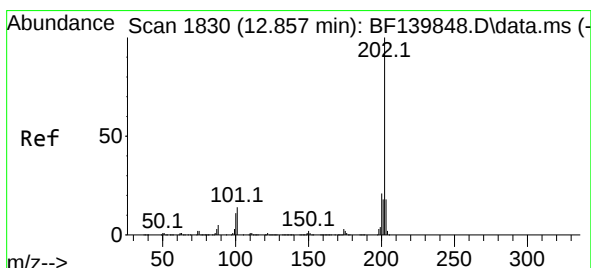
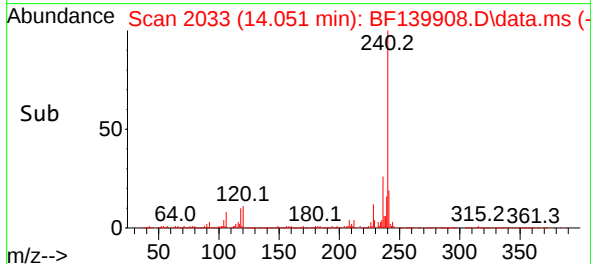
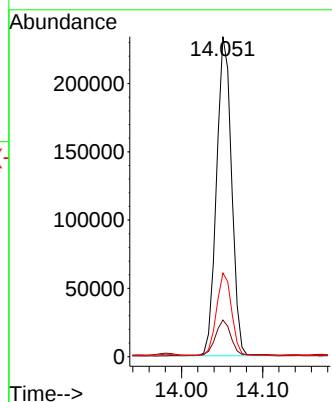
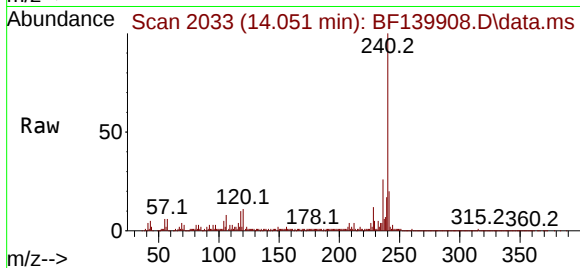
Tgt Ion:240 Resp: 301154

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 26.1 20.9 31.3



#78

Pyrene

Concen: 4.763 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

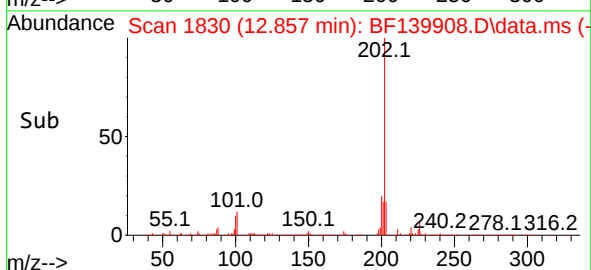
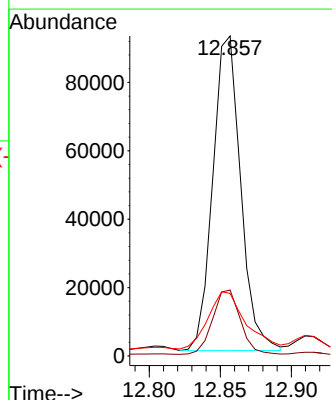
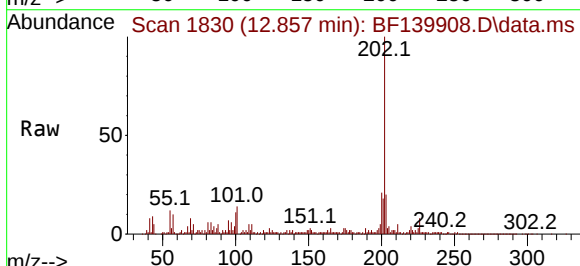
Tgt Ion:202 Resp: 125551

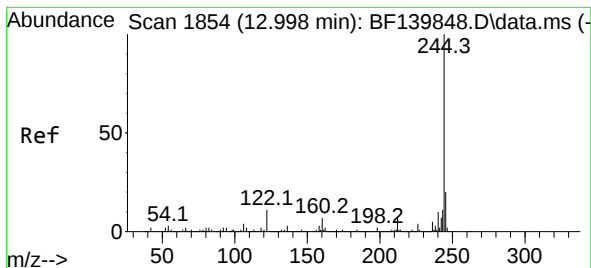
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 19.5 14.2 21.4





#79

Terphenyl-d14

Concen: 47.189 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

Instrument :

BNA_F

ClientSampleId :

F05308-SOLIDRE

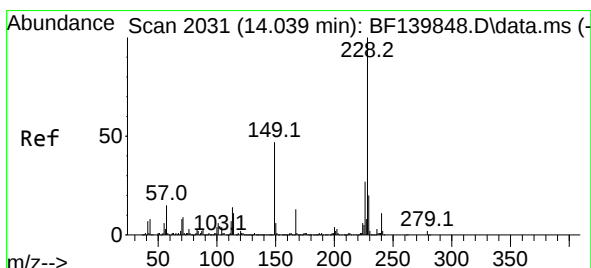
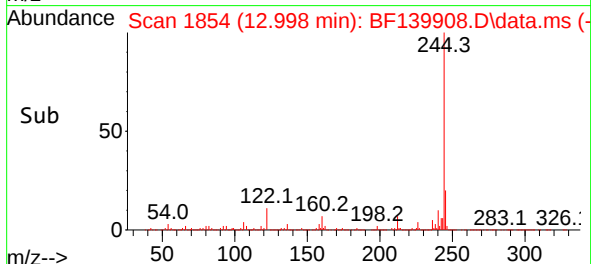
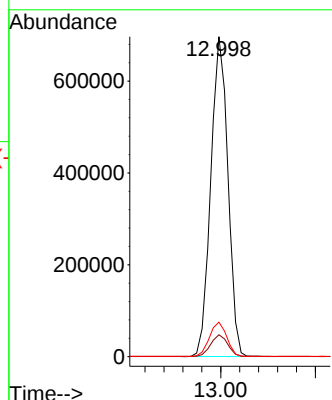
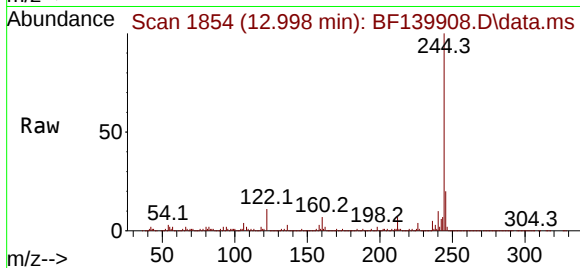
Tgt Ion:244 Resp: 872137

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.8 8.6 13.0



#81

Benzo(a)anthracene

Concen: 3.094 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

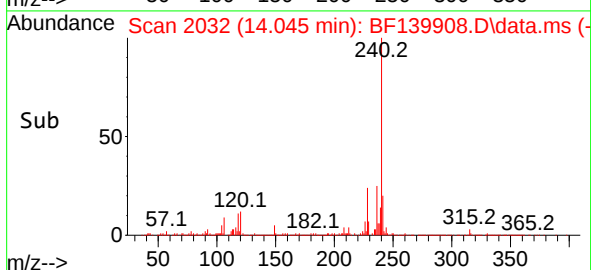
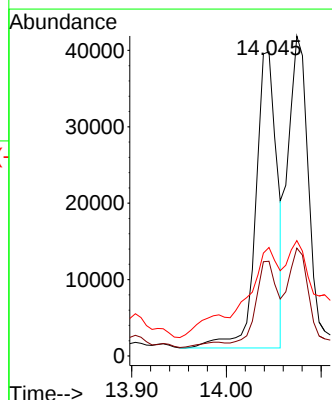
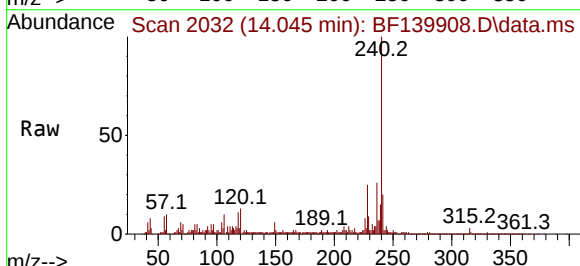
Tgt Ion:228 Resp: 60652

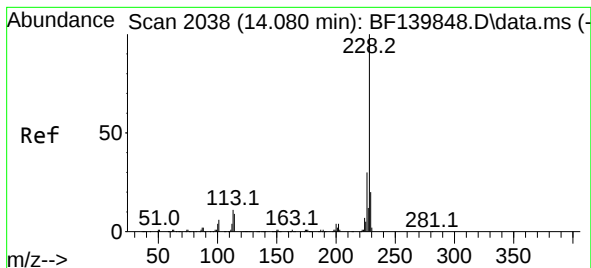
Ion Ratio Lower Upper

228 100

226 31.2 21.6 32.4

229 35.7 16.1 24.1#





#83

Chrysene

Concen: 3.340 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

Instrument :

BNA_F

ClientSampleId :

F05308-SOLIDRE

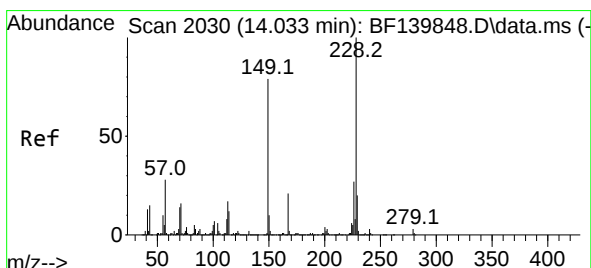
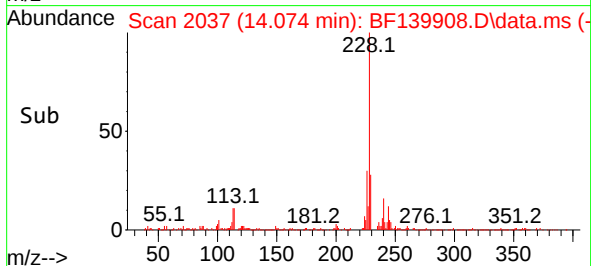
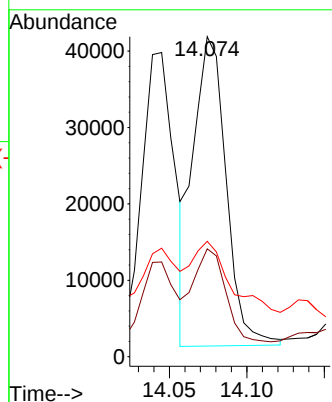
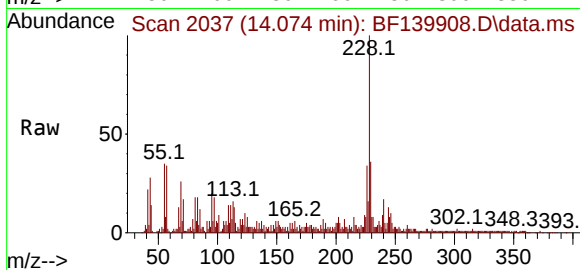
Tgt Ion:228 Resp: 60029

Ion Ratio Lower Upper

228 100

226 33.7 24.1 36.1

229 36.0 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.292 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

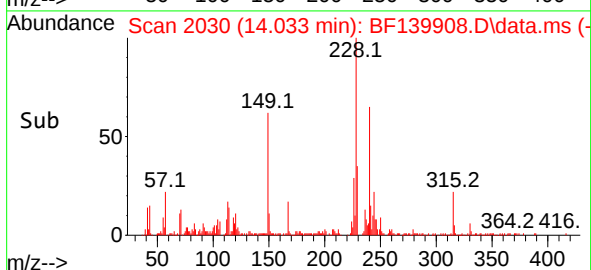
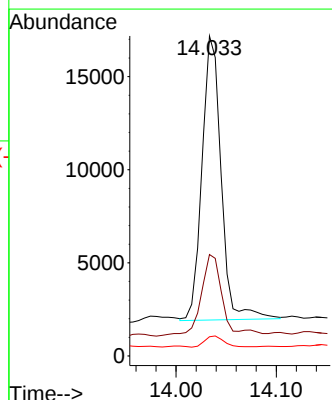
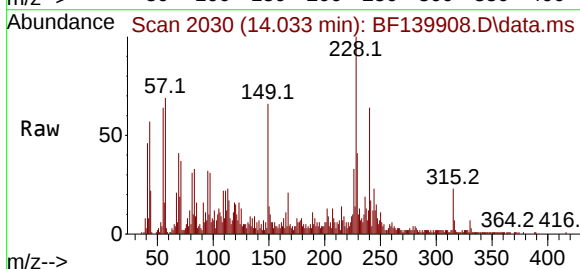
Tgt Ion:149 Resp: 20323

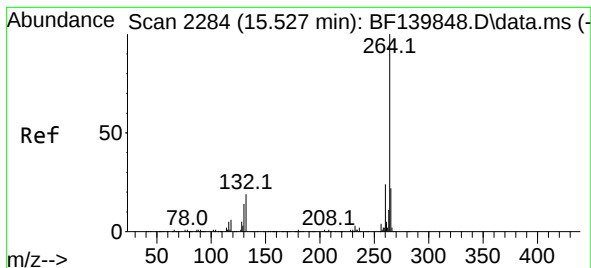
Ion Ratio Lower Upper

149 100

167 31.7 21.4 32.0

279 6.0 3.0 4.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

Instrument :

BNA_F

ClientSampleId :

F05308-SOLIDRE

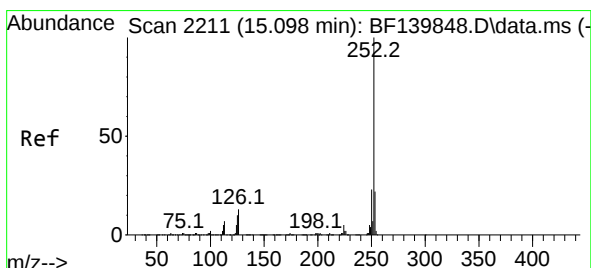
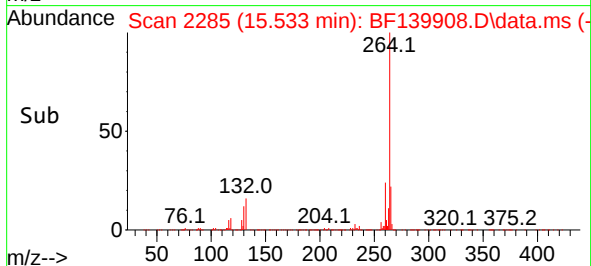
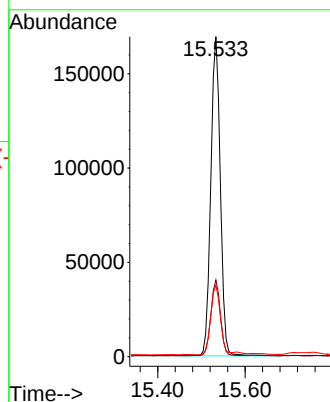
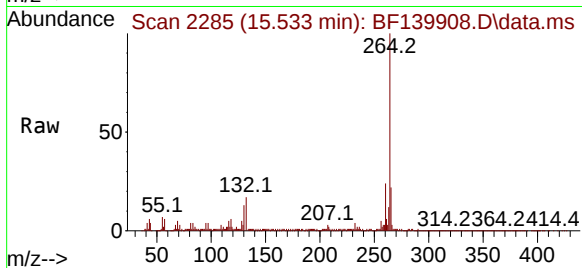
Tgt Ion:264 Resp: 256782

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.3 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 4.642 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139908.D

Acq: 21 Oct 2024 17:39

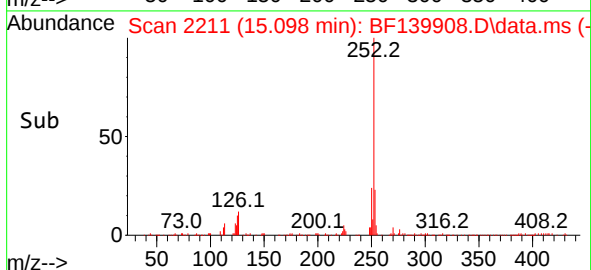
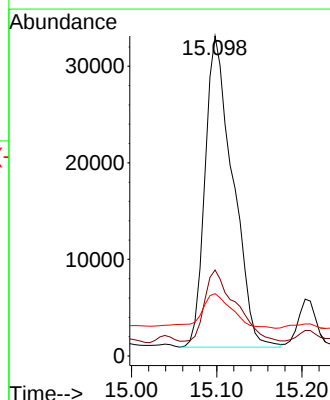
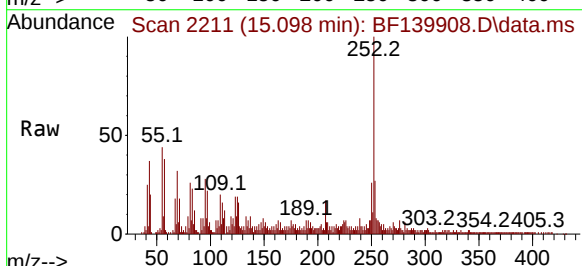
Tgt Ion:252 Resp: 72608

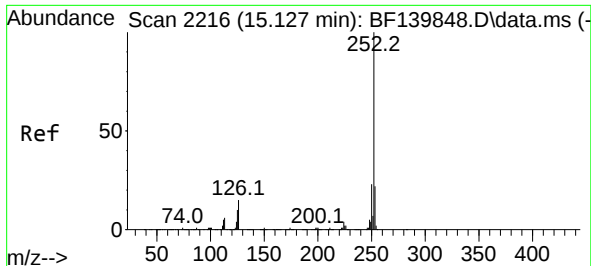
Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4#

125 19.5 7.9 11.9#

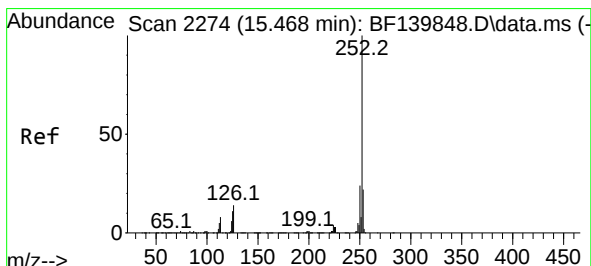
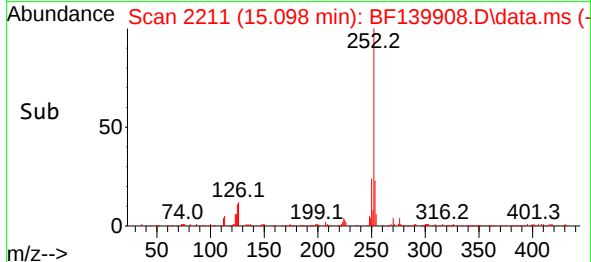
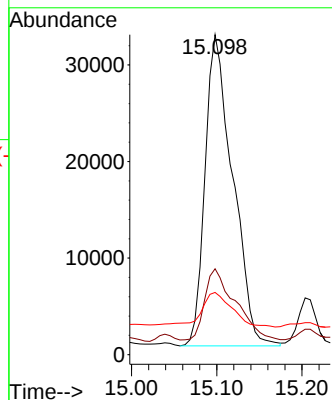
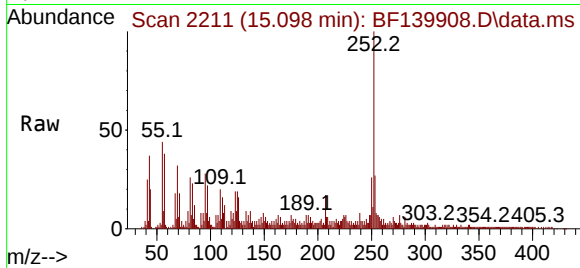




#89
Benzo(k)fluoranthene
Concen: 5.382 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Instrument :
BNA_F
ClientSampleId :
F05308-SOLIDRE

Tgt Ion:252 Resp: 72608
Ion Ratio Lower Upper
252 100
253 26.9 17.6 26.4#
125 19.5 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 2.928 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139908.D
Acq: 21 Oct 2024 17:39

Tgt Ion:252 Resp: 37680
Ion Ratio Lower Upper
252 100
253 27.7 17.3 25.9#
125 20.4 8.7 13.1#

