

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139312.D
 Acq On : 10 Sep 2024 21:29
 Operator : RC/JU
 Sample : P3907-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-701-COMP-55

Quant Time: Sep 11 01:32:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

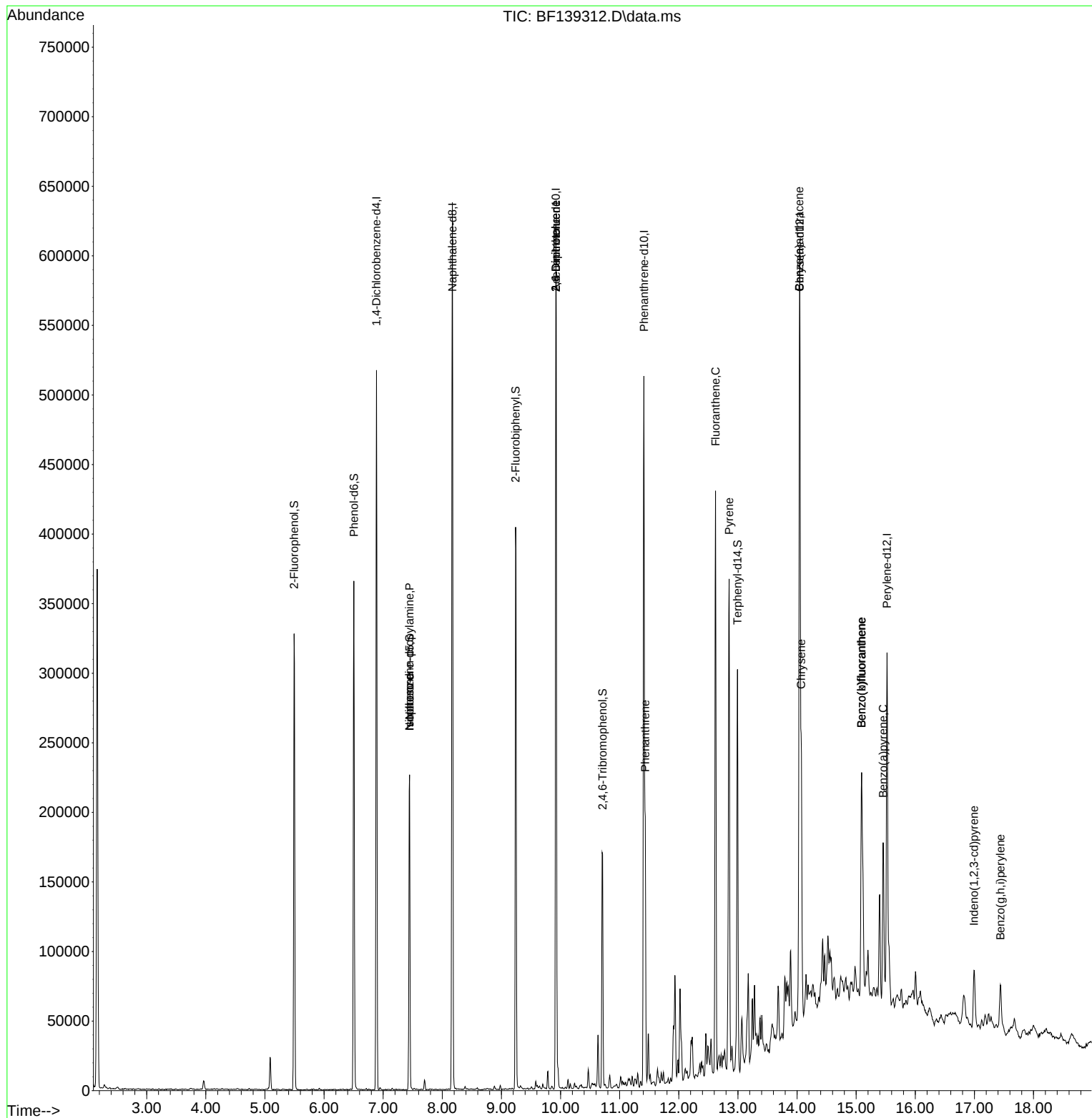
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	100381	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	362805	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	179730	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	260419	20.000	ng	0.00
76) Chrysene-d12	14.045	240	185372	20.000	ng	0.00
86) Perylene-d12	15.521	264	140593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	107776	17.961	ng	-0.01
7) Phenol-d6	6.504	99	145491	18.162	ng	-0.01
23) Nitrobenzene-d5	7.445	82	94286	13.520	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25262	16.277	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	176775	15.183	ng	-0.01
79) Terphenyl-d14	12.992	244	130555	11.371	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	12222	2.649	ng	# 79
25) Isophorone	7.445	82	94285	7.908	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	23504	9.511	ng	# 19
57) 2,4-Dinitrotoluene	9.922	165	23504	7.472	ng	# 19
71) Phenanthrene	11.433	178	97250	7.994	ng	99
75) Fluoranthene	12.622	202	230281	18.881	ng	99
78) Pyrene	12.851	202	205927	11.500	ng	99
81) Benzo(a)anthracene	14.039	228	128441	10.851	ng	96
83) Chrysene	14.068	228	96033	8.693	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	32994	3.757	ng	95
88) Benzo(b)fluoranthene	15.092	252	138343	17.086	ng	98
89) Benzo(k)fluoranthene	15.092	252	138343	19.056	ng	# 98
90) Benzo(a)pyrene	15.457	252	65806	9.572	ng	99
92) Benzo(g,h,i)perylene	17.439	276	27917	3.737	ng	97

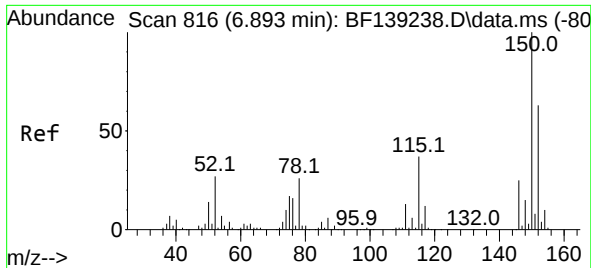
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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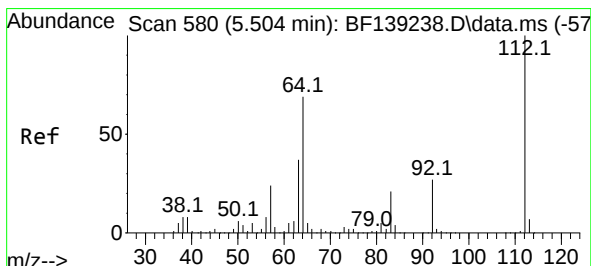
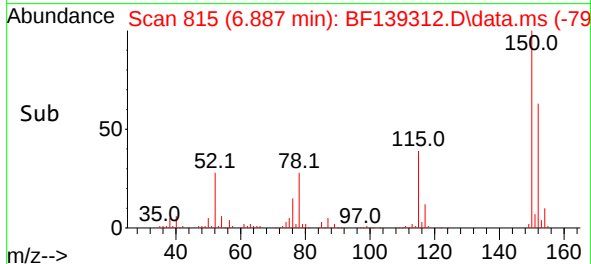
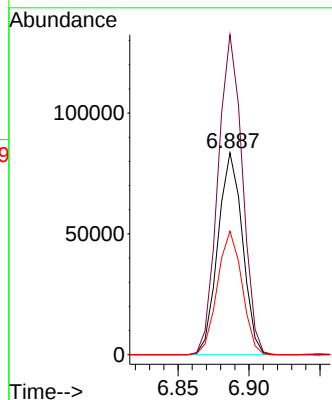
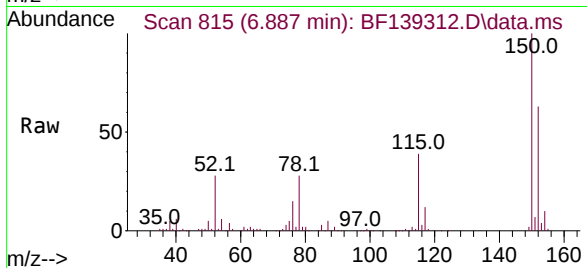




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

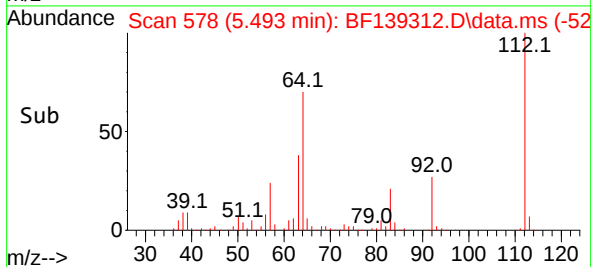
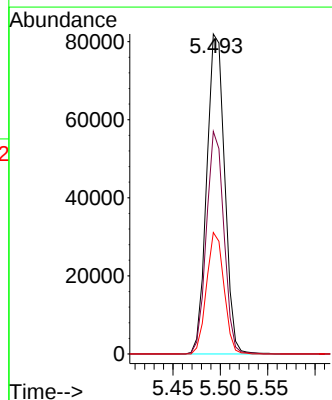
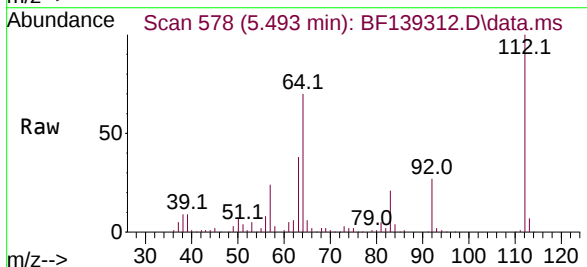
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BNA_F
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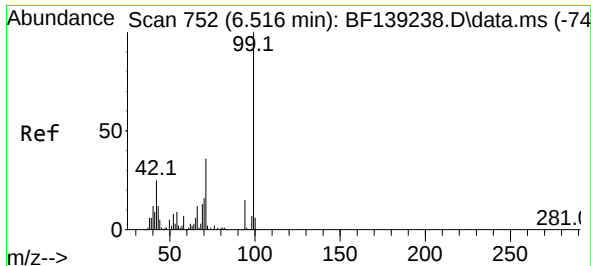
Tgt Ion:152 Resp: 100381
Ion Ratio Lower Upper
152 100
150 158.5 127.0 190.4
115 61.2 46.9 70.3



#5
2-Fluorophenol
Concen: 17.961 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:112 Resp: 107776
Ion Ratio Lower Upper
112 100
64 69.5 55.0 82.4
63 38.0 29.9 44.9

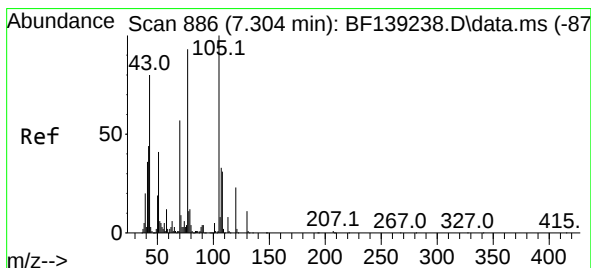
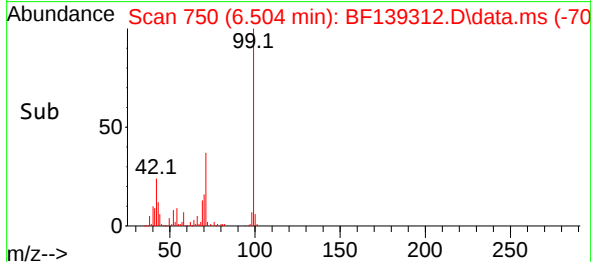
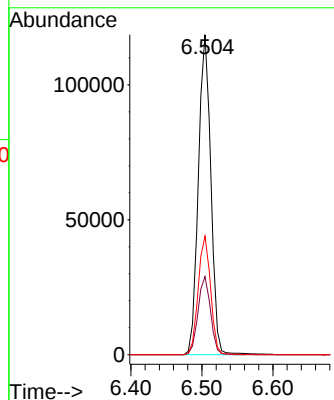
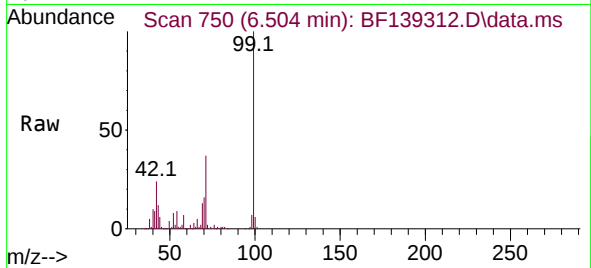




#7
Phenol-d6
Concen: 18.162 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

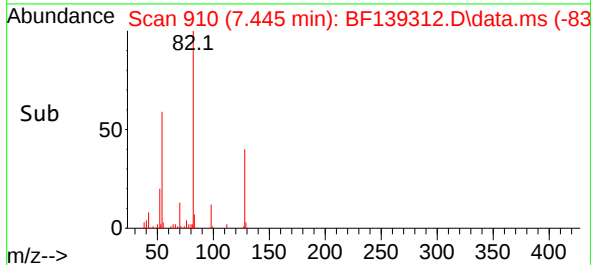
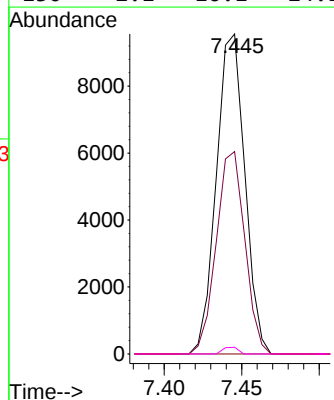
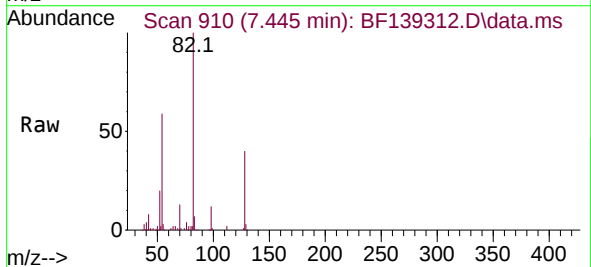
Instrument :
BNA_F
ClientSampleId :
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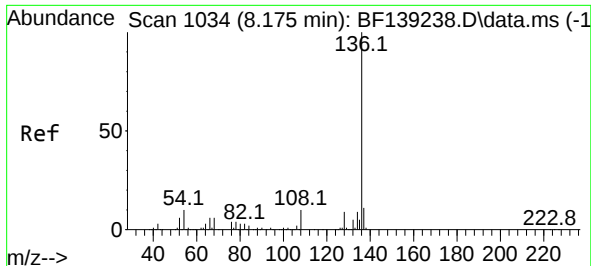
Tgt Ion: 99 Resp: 145491
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 37.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.649 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion: 70 Resp: 12222
Ion Ratio Lower Upper
70 100
42 63.3 61.0 91.6
101 0.0 7.2 10.8#
130 2.1 16.1 24.1#

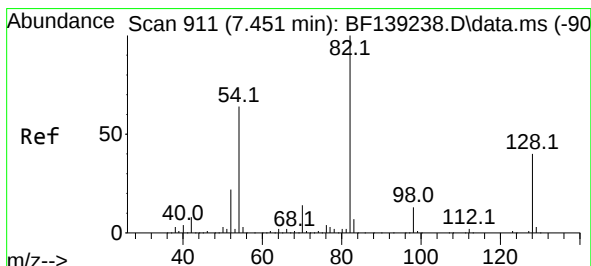
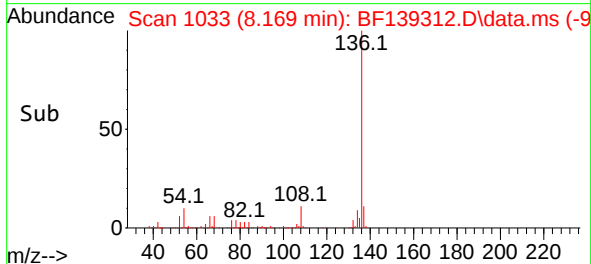
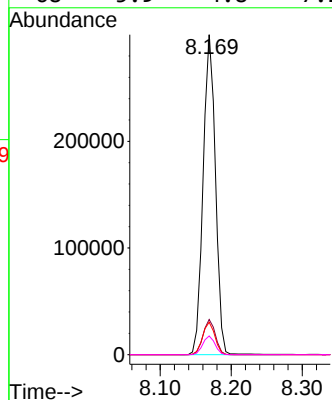
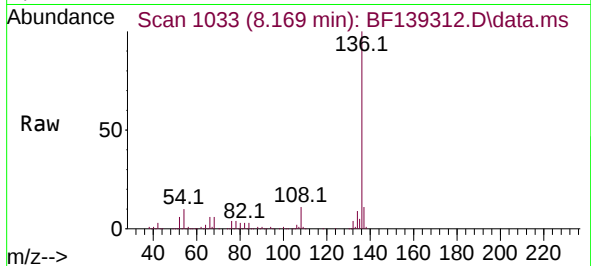




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

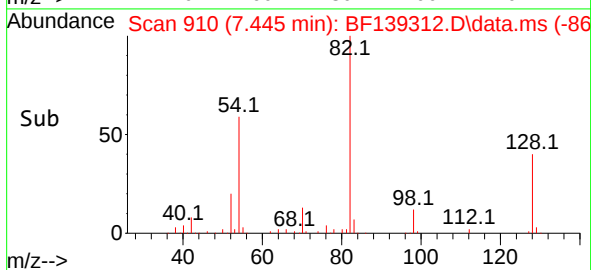
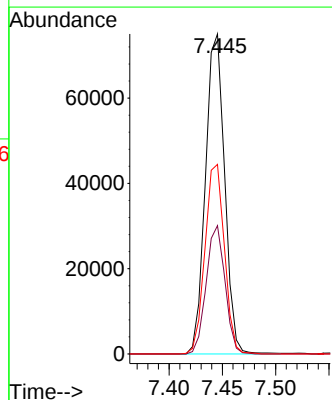
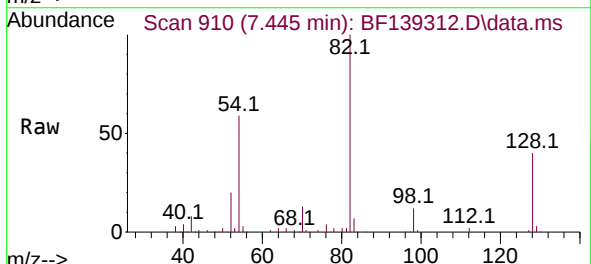
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55

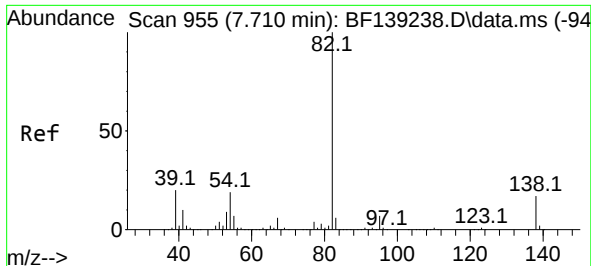
Tgt Ion:	136	Resp:	362805
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.1	8.4	12.6
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 13.520 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:	82	Resp:	94286
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.3	48.5
54	59.3	51.2	76.8

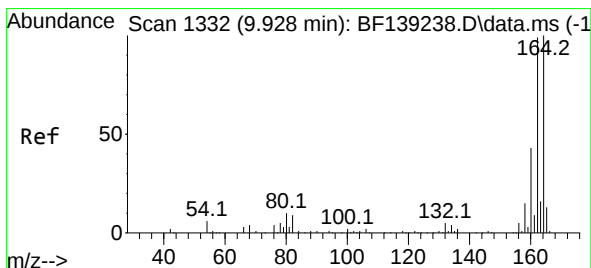
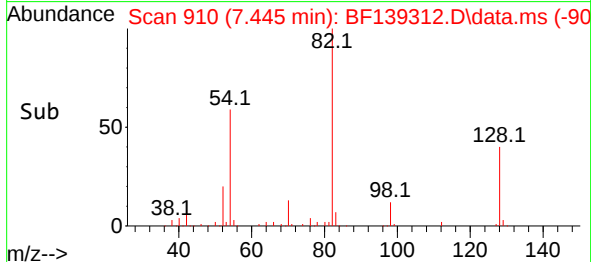
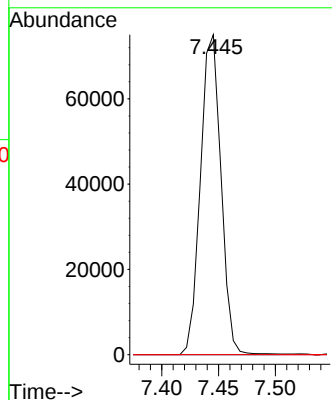
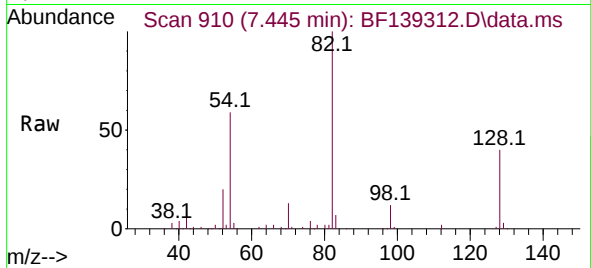




#25
Isophorone
Concen: 7.908 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

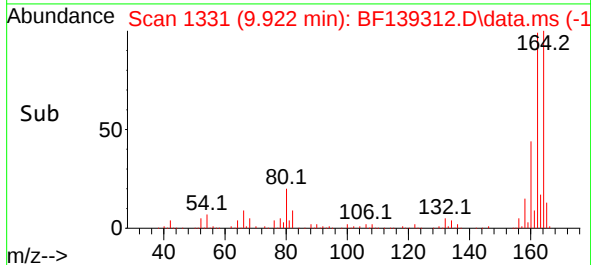
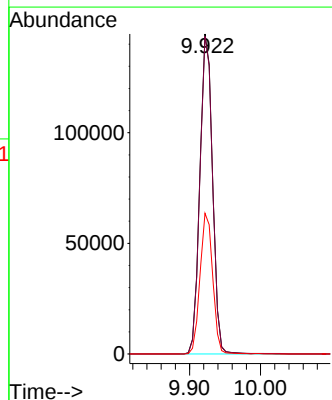
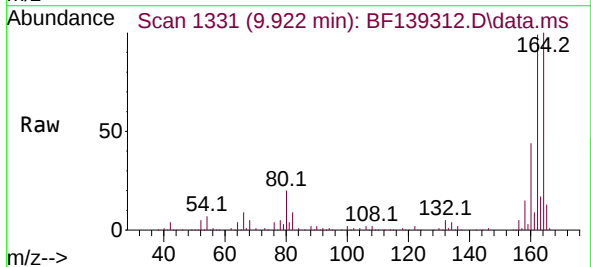
Instrument :
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ClientSampleId :
PL-701-COMP-55

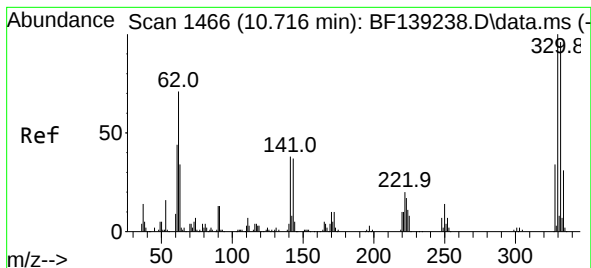
Tgt Ion: 82 Resp: 94285
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:164 Resp: 179730
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 44.0 34.2 51.2

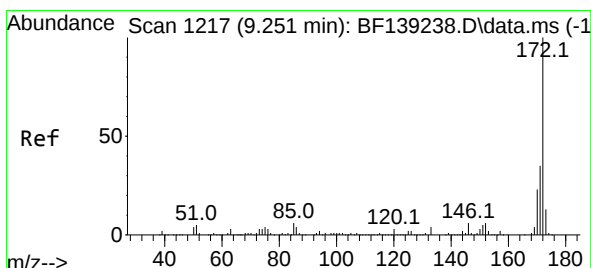
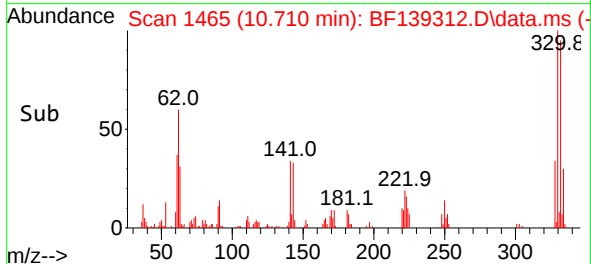
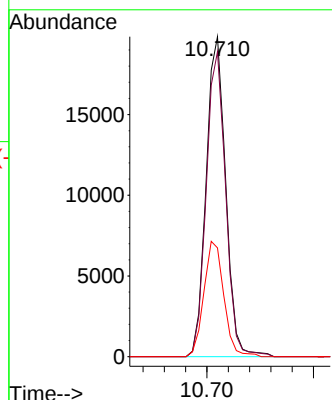
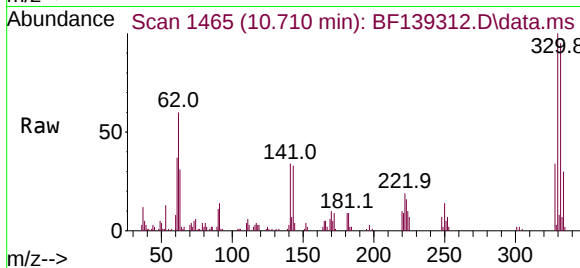




#42
2,4,6-Tribromophenol
Concen: 16.277 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

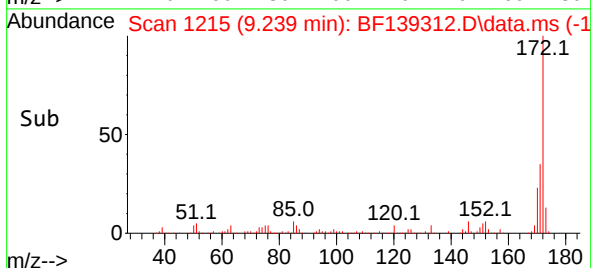
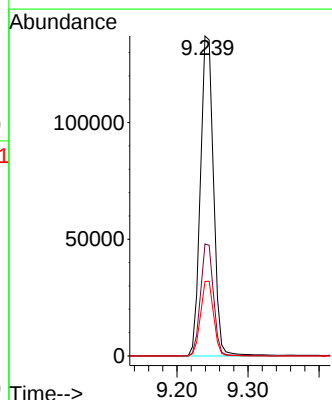
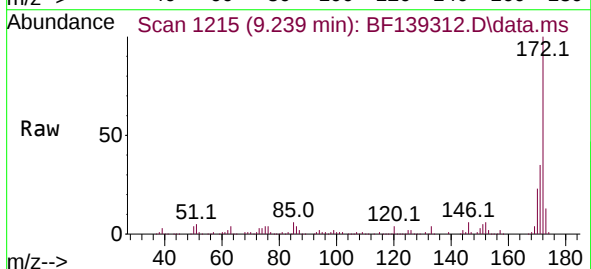
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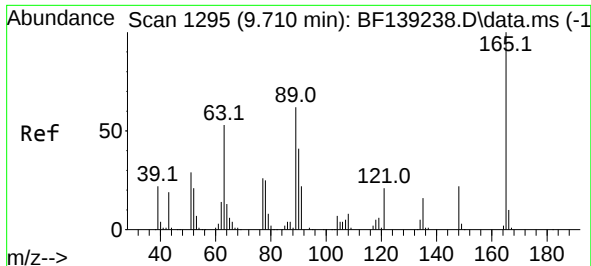
Tgt Ion: 330 Resp: 25262
Ion Ratio Lower Upper
330 100
332 94.6 76.6 115.0
141 36.9 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 15.183 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion: 172 Resp: 176775
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.3 18.7 28.1

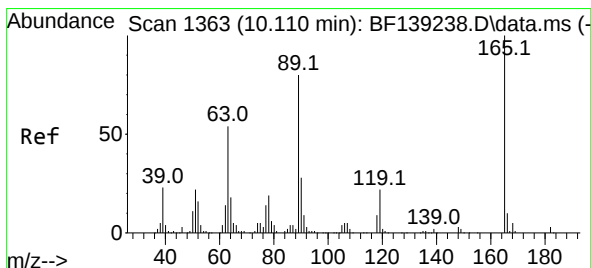
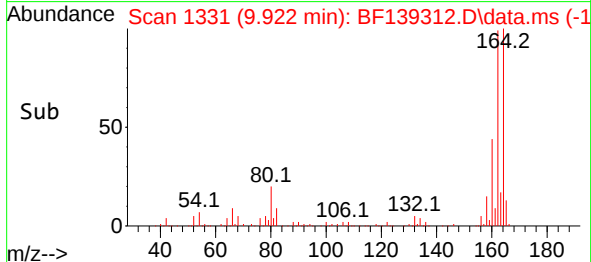
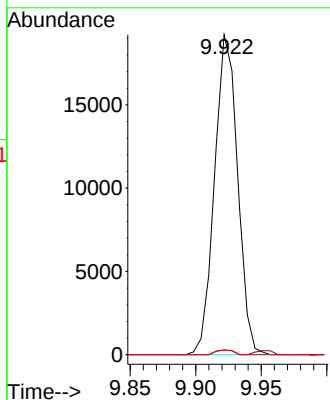
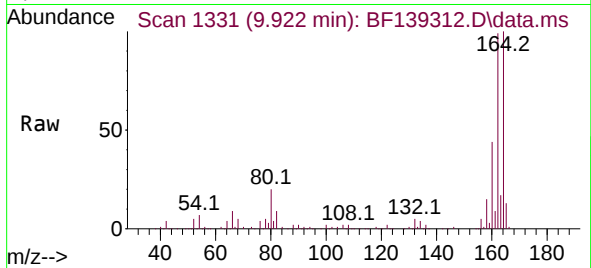




#51
2,6-Dinitrotoluene
Concen: 9.511 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

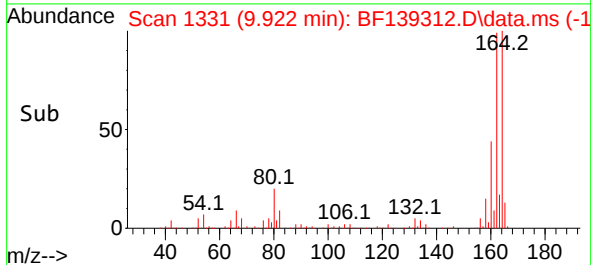
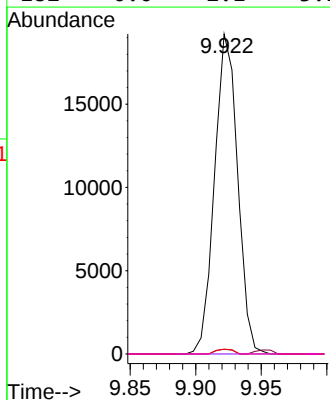
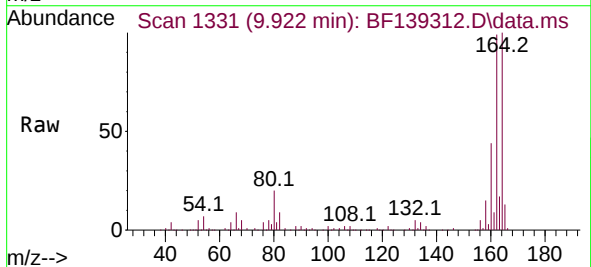
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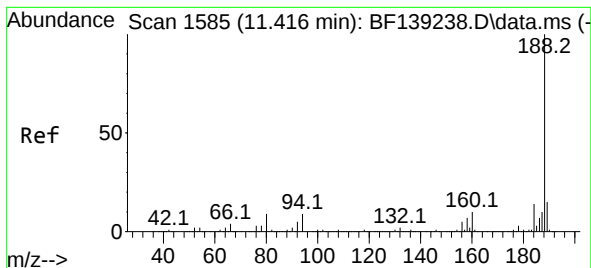
Tgt Ion:165 Resp: 23504
Ion Ratio Lower Upper
165 100
63 1.5 56.1 84.1#
89 1.5 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 7.472 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:165 Resp: 23504
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.0#
89 1.5 64.2 96.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

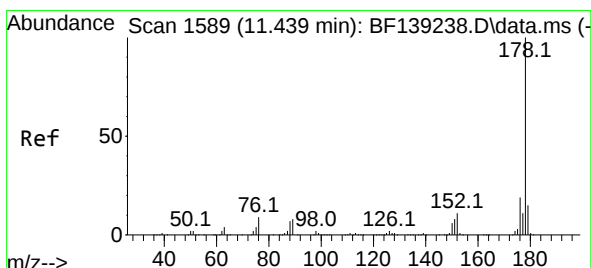
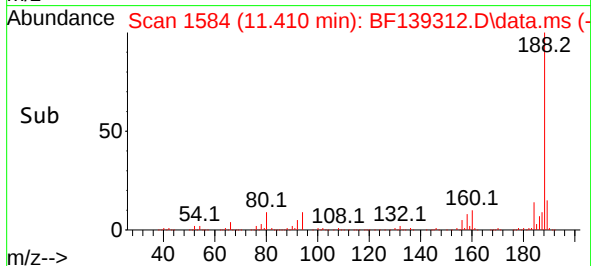
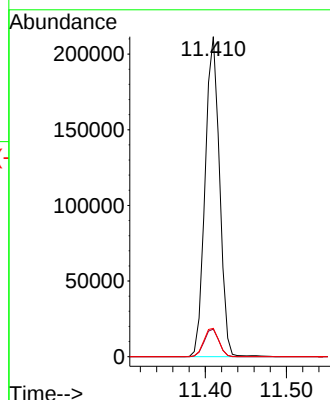
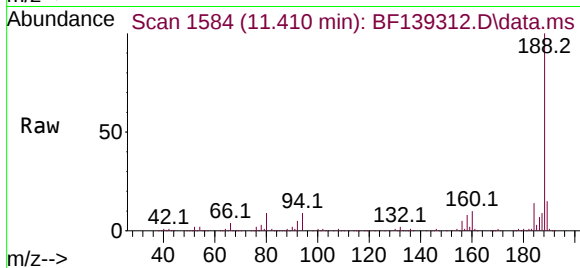
Tgt Ion:188 Resp: 260419

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 8.9 7.3 10.9



#71

Phenanthrene

Concen: 7.994 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

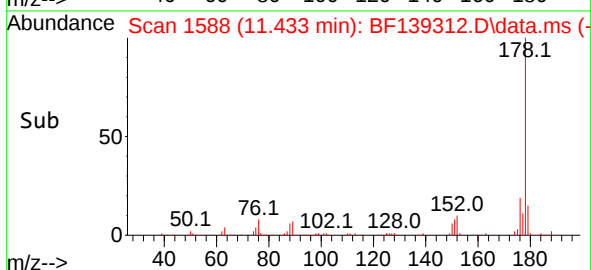
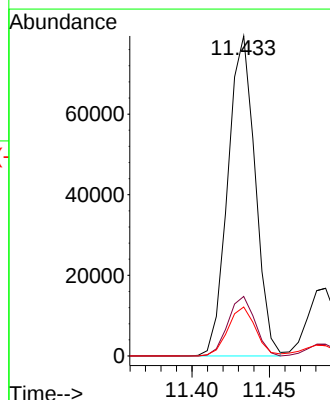
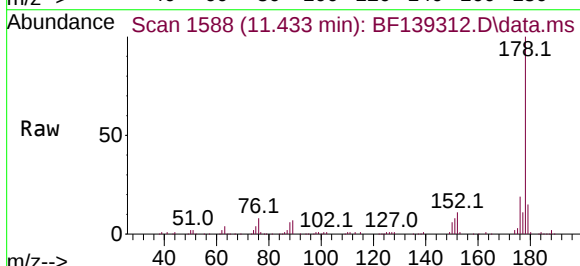
Tgt Ion:178 Resp: 97250

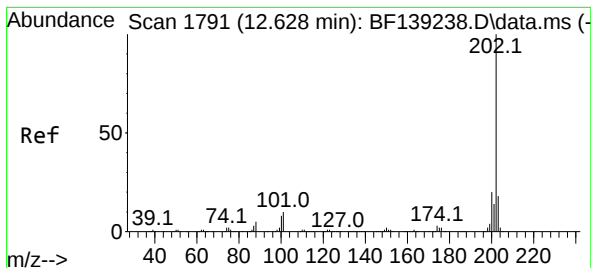
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

179 15.3 12.3 18.5





#75

Fluoranthene

Concen: 18.881 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

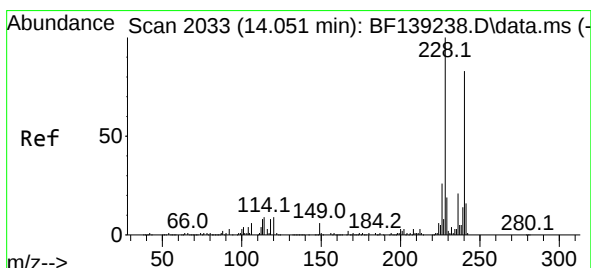
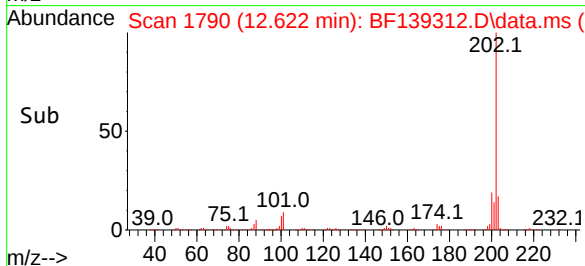
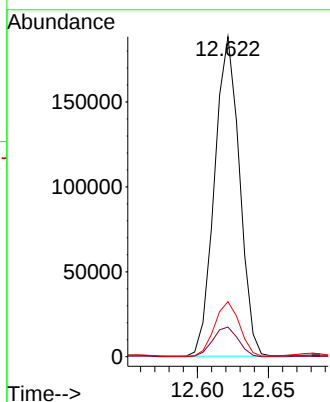
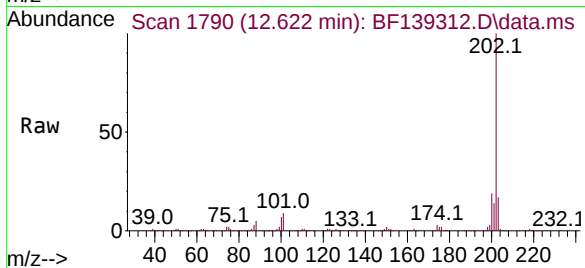
Tgt Ion:202 Resp: 230281

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.9

203 17.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

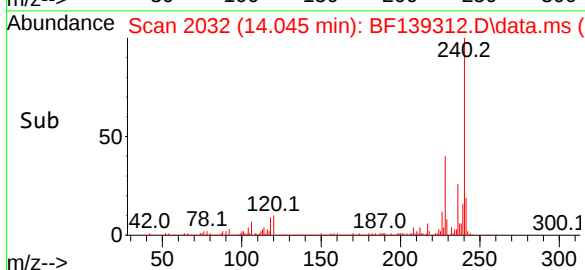
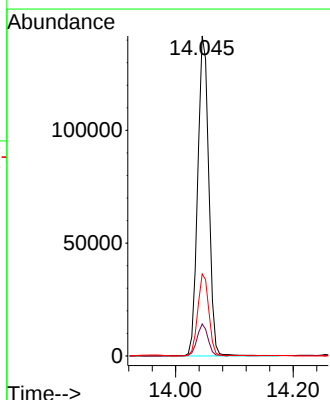
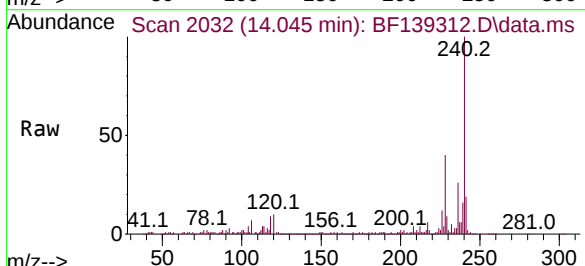
Tgt Ion:240 Resp: 185372

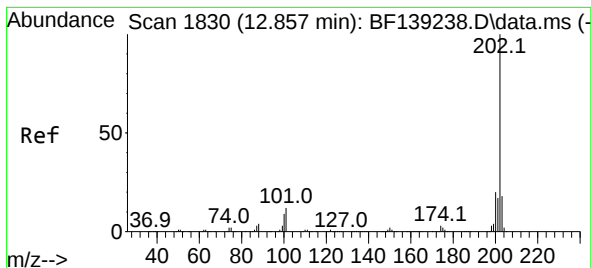
Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 25.7 20.7 31.1





#78

Pyrene

Concen: 11.500 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

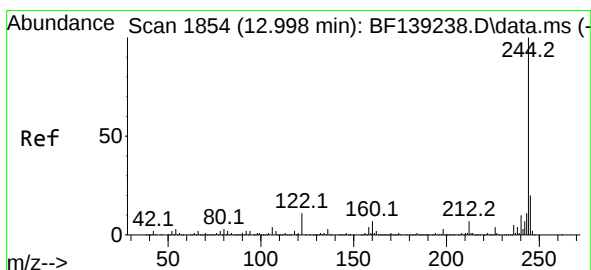
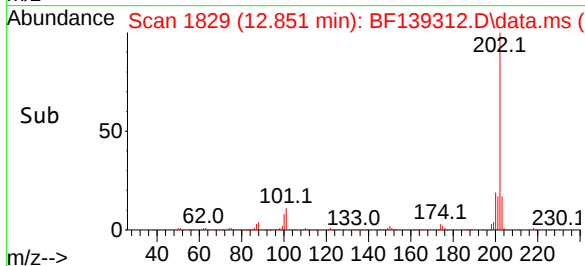
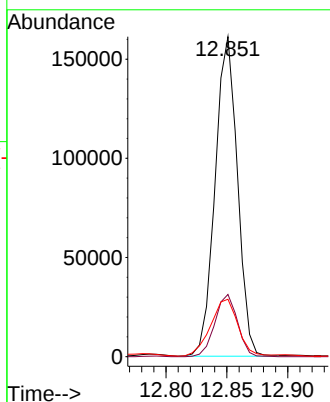
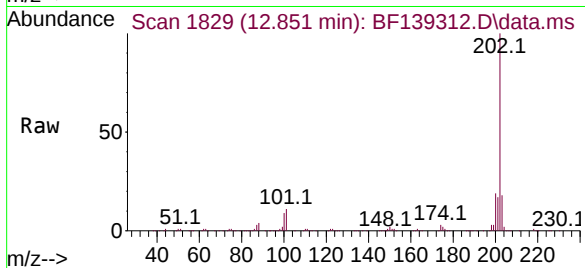
Tgt Ion:202 Resp: 205927

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 11.371 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

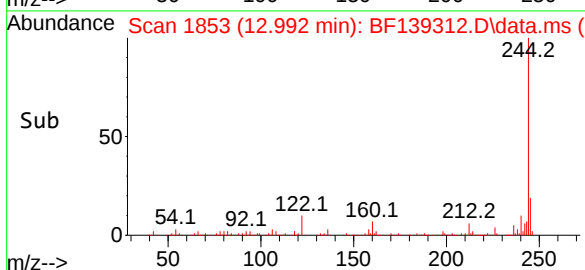
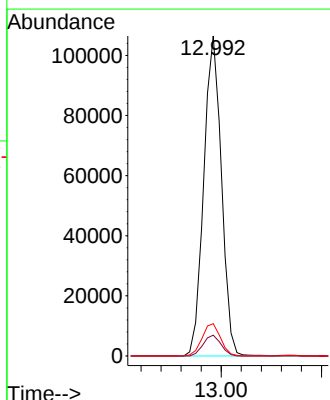
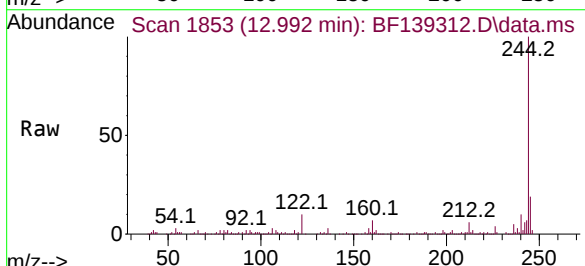
Tgt Ion:244 Resp: 130555

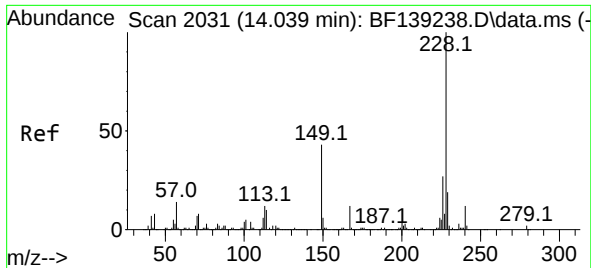
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 10.1 8.7 13.1

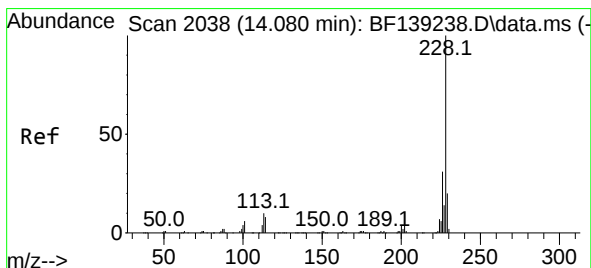
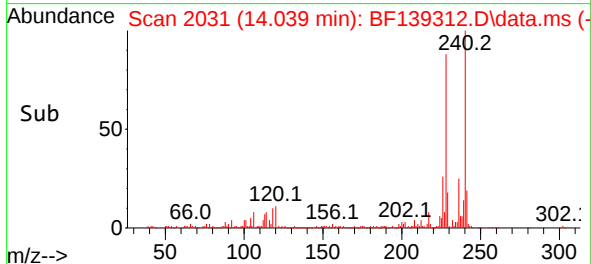
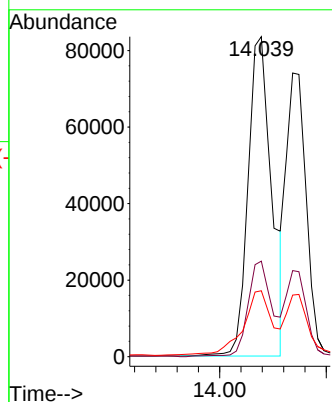
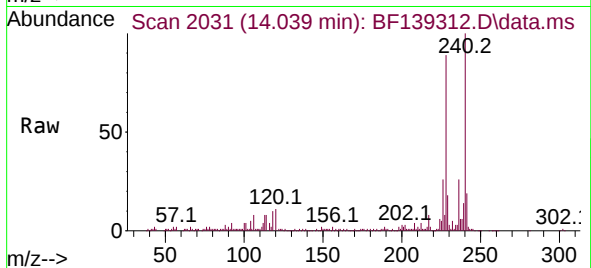




#81
Benzo(a)anthracene
Concen: 10.851 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

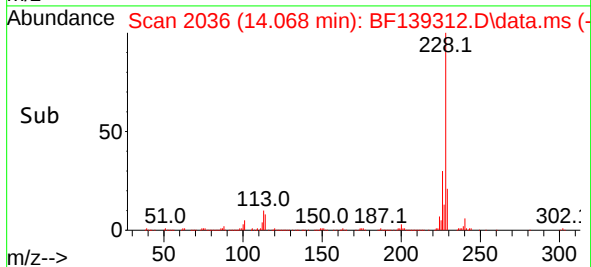
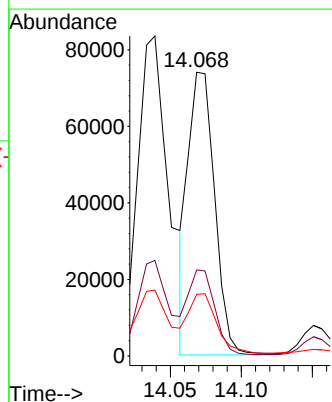
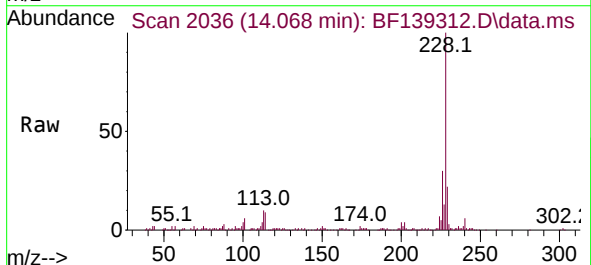
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55

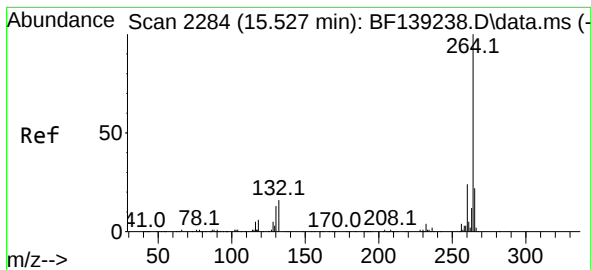
Tgt Ion:228 Resp: 128441
Ion Ratio Lower Upper
228 100
226 29.9 21.5 32.3
229 20.6 15.6 23.4



#83
Chrysene
Concen: 8.693 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:228 Resp: 96033
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

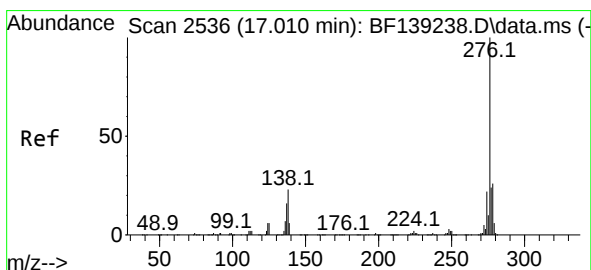
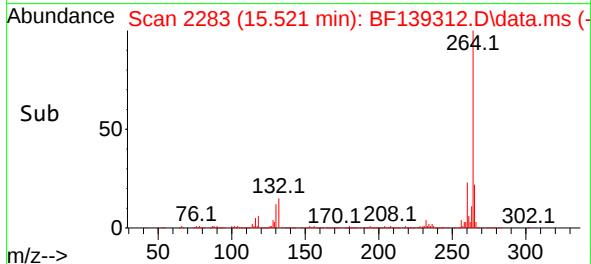
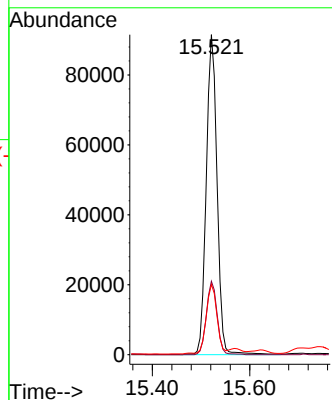
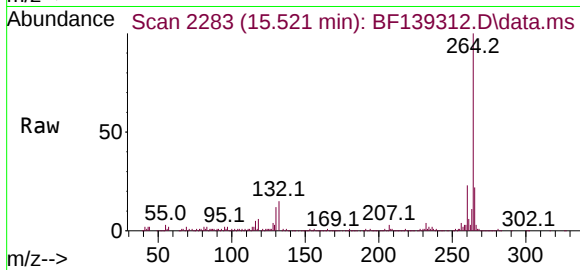
Tgt Ion:264 Resp: 140593

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 22.0 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.757 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.018 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

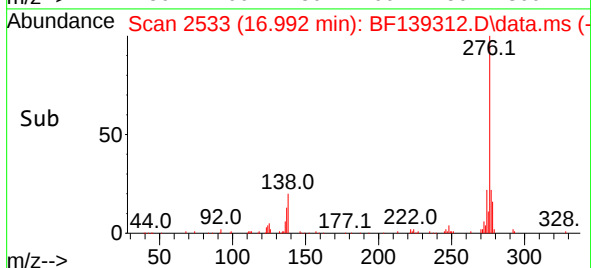
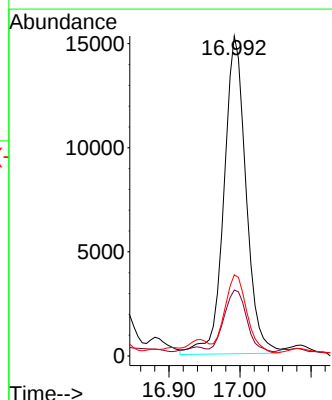
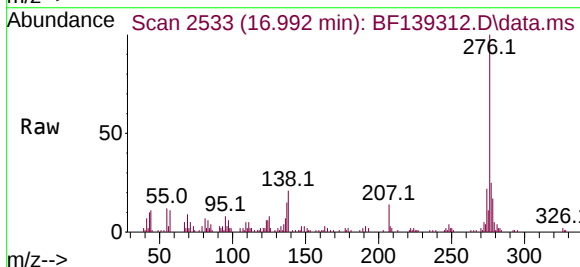
Tgt Ion:276 Resp: 32994

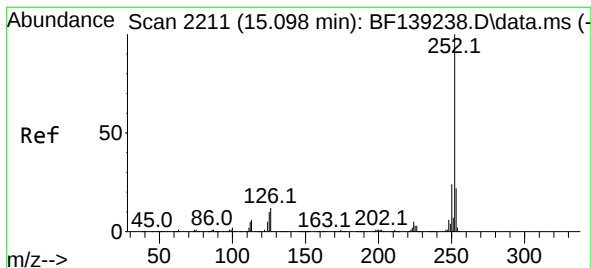
Ion Ratio Lower Upper

276 100

138 20.7 20.4 30.6

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.086 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-55

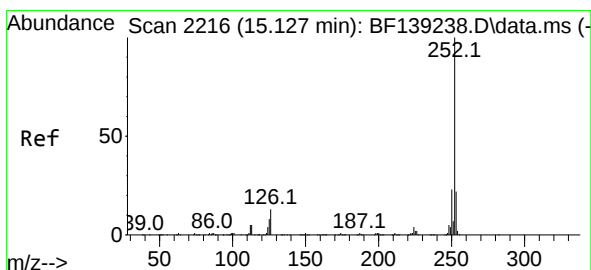
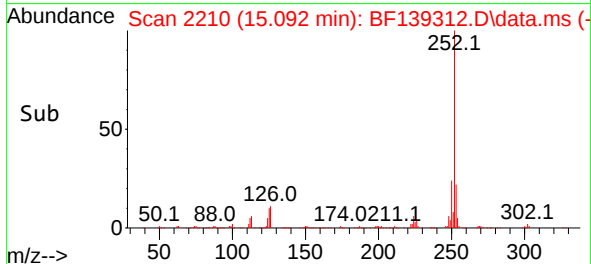
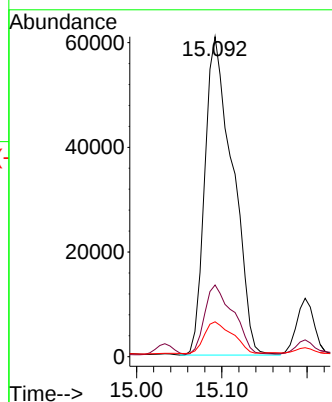
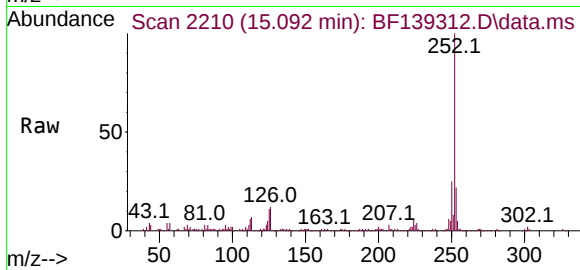
Tgt Ion:252 Resp: 138343

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 7.6 11.4



#89

Benzo(k)fluoranthene

Concen: 19.056 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF139312.D

Acq: 10 Sep 2024 21:29

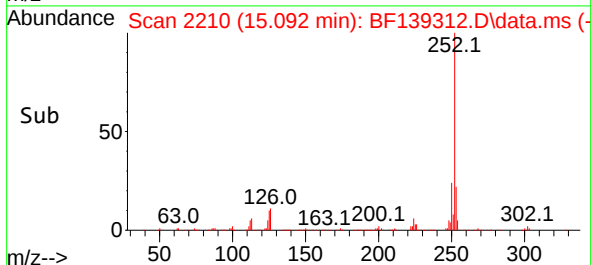
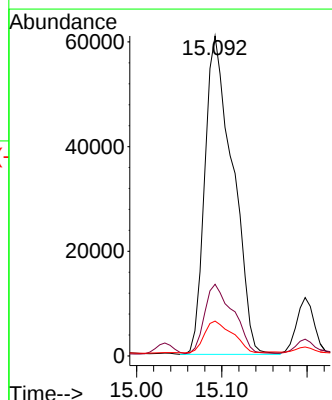
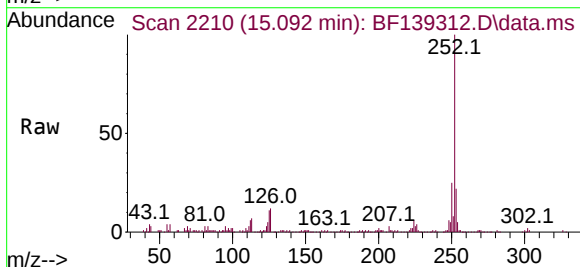
Tgt Ion:252 Resp: 138343

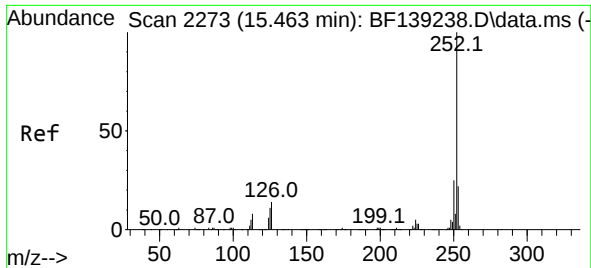
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 7.2 10.8#

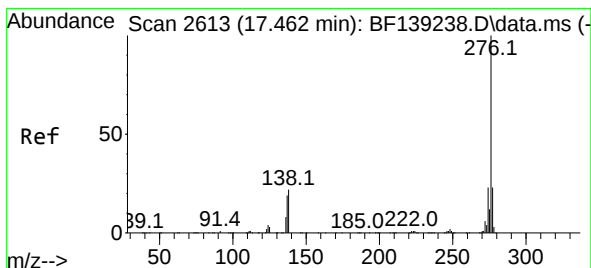
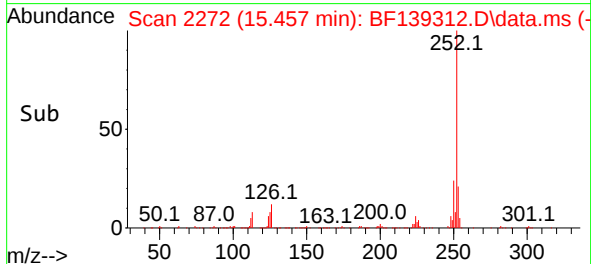
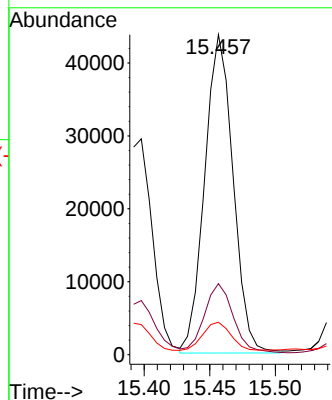
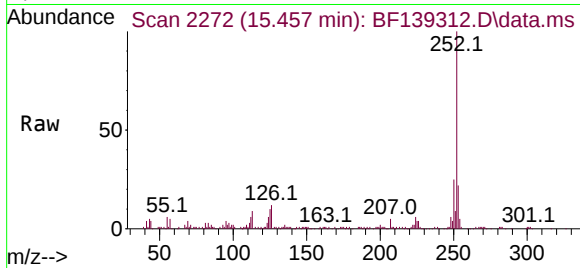




#90
Benzo(a)pyrene
Concen: 9.572 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-55

Tgt Ion:252 Resp: 65806
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.2 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 3.737 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF139312.D
Acq: 10 Sep 2024 21:29

Tgt Ion:276 Resp: 27917
Ion Ratio Lower Upper
276 100
277 24.9 18.6 27.8
138 23.2 17.4 26.0

