

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139313.D
 Acq On : 10 Sep 2024 22:00
 Operator : RC/JU
 Sample : P3916-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090924

Quant Time: Sep 11 01:32:59 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)

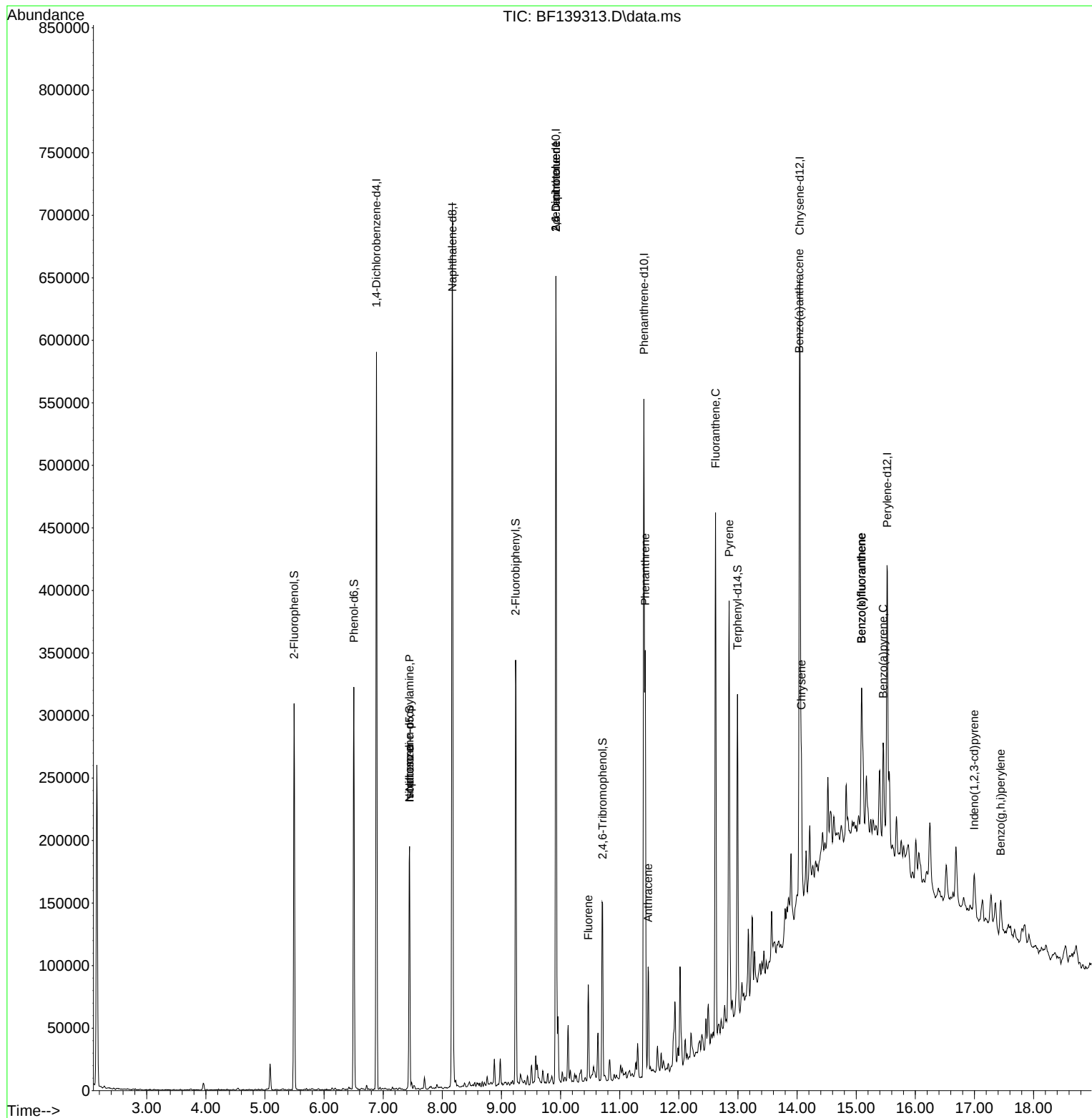
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	114183	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	403169	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	184103	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278660	20.000	ng	0.00
76) Chrysene-d12	14.045	240	184730	20.000	ng	0.00
86) Perylene-d12	15.527	264	134226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	97926	14.347	ng	-0.01
7) Phenol-d6	6.504	99	128354	14.086	ng	-0.01
23) Nitrobenzene-d5	7.445	82	79175	10.216	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19715	12.401	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	147838	12.396	ng	-0.01
79) Terphenyl-d14	12.992	244	115154	10.065	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	10938	2.084	ng	# 77
25) Isophorone	7.445	82	78292	5.909	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	24593	9.715	ng	# 19
57) 2,4-Dinitrotoluene	9.922	165	24593	7.633	ng	# 19
58) Fluorene	10.469	166	28300	2.474	ng	98
71) Phenanthrene	11.433	178	169945	13.055	ng	99
72) Anthracene	11.480	178	47662	3.748	ng	99
75) Fluoranthene	12.621	202	235383	18.036	ng	98
78) Pyrene	12.851	202	193261	10.830	ng	99
81) Benzo(a)anthracene	14.039	228	88103	7.469	ng	95
83) Chrysene	14.074	228	61447	5.581	ng	96
87) Indeno(1,2,3-cd)pyrene	16.998	276	25861	3.084	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	92705	11.993	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	92705	13.376	ng	# 94
90) Benzo(a)pyrene	15.457	252	46891	7.144	ng	# 95
92) Benzo(g,h,i)perylene	17.445	276	24838	3.482	ng	95

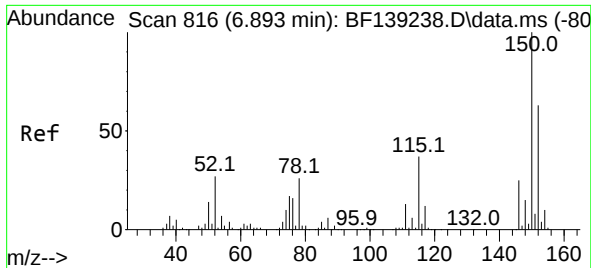
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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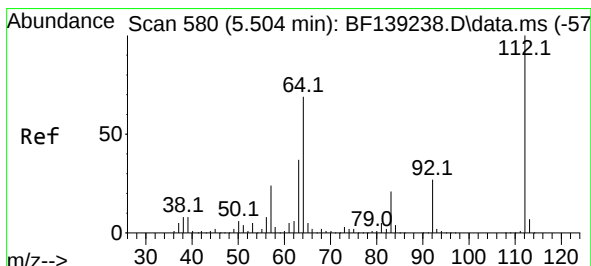
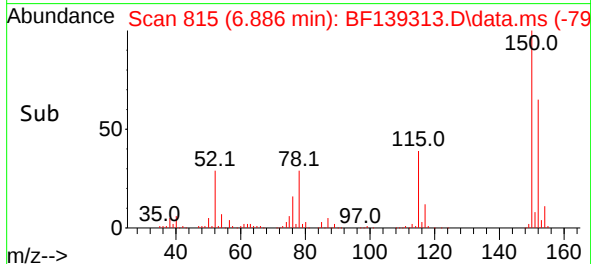
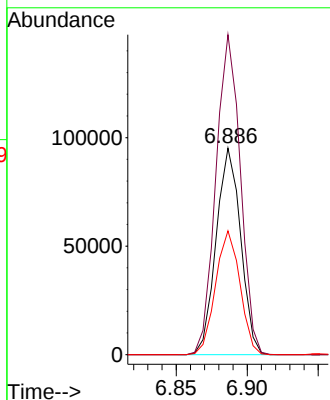
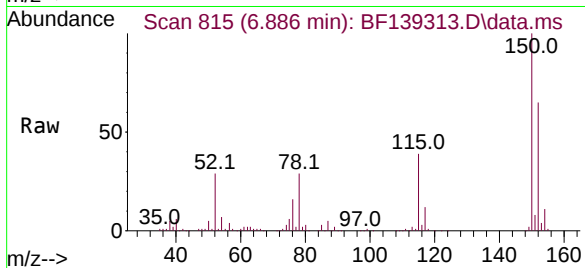




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

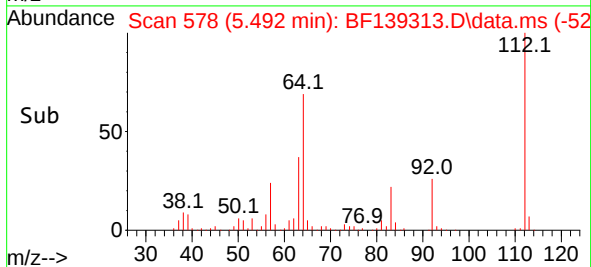
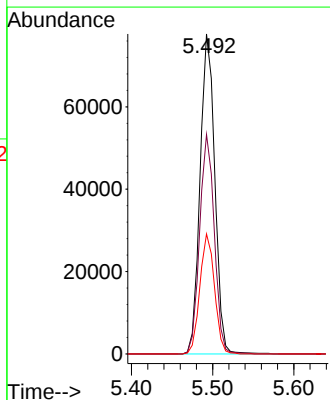
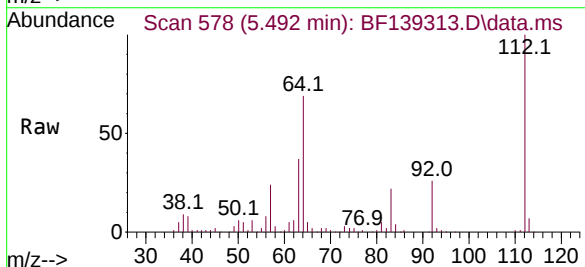
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

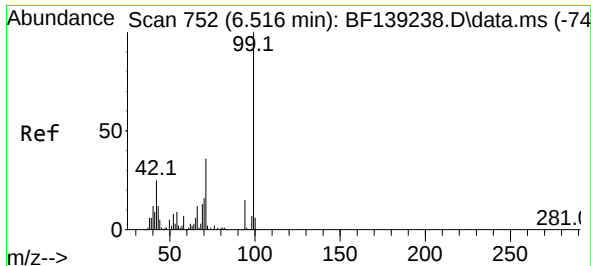
Tgt Ion:152 Resp: 114183
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 60.0 46.9 70.3



#5
2-Fluorophenol
Concen: 14.347 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:112 Resp: 97926
Ion Ratio Lower Upper
112 100
64 68.6 55.0 82.4
63 37.5 29.9 44.9

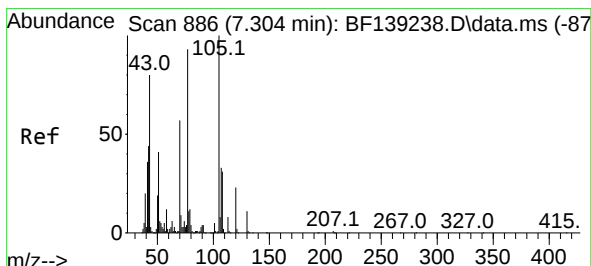
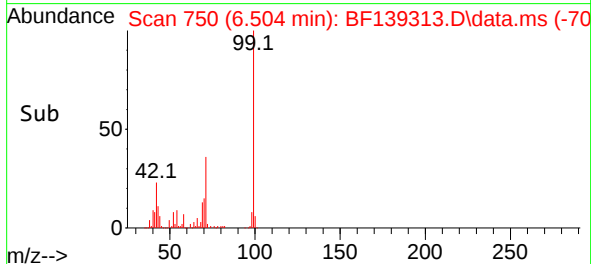
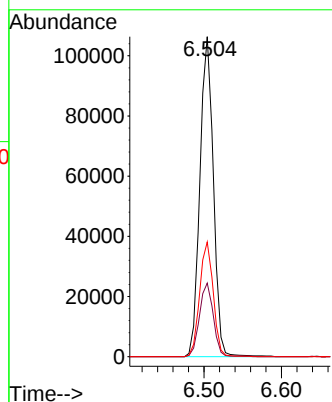
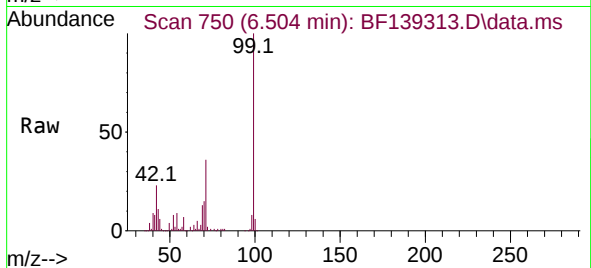




#7
Phenol-d6
Concen: 14.086 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

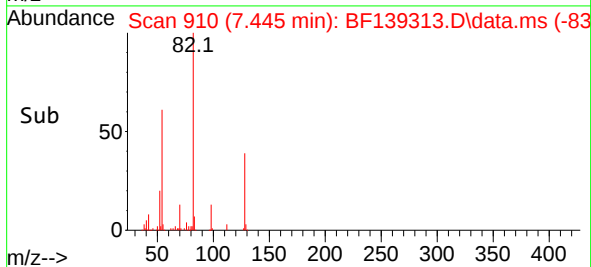
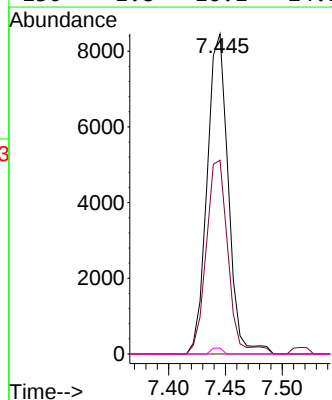
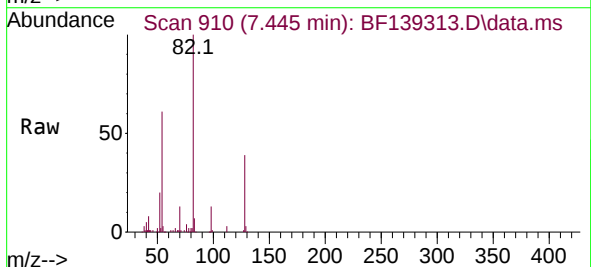
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

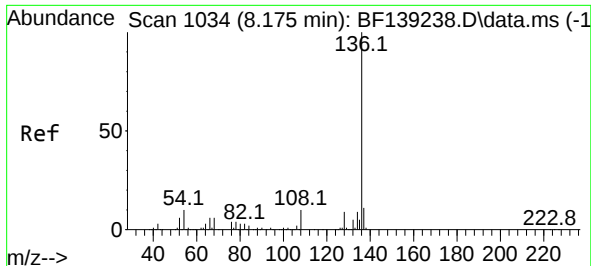
Tgt Ion: 99 Resp: 128354
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 35.9 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.084 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion: 70 Resp: 10938
Ion Ratio Lower Upper
70 100
42 60.5 61.0 91.6#
101 0.0 7.2 10.8#
130 1.8 16.1 24.1#



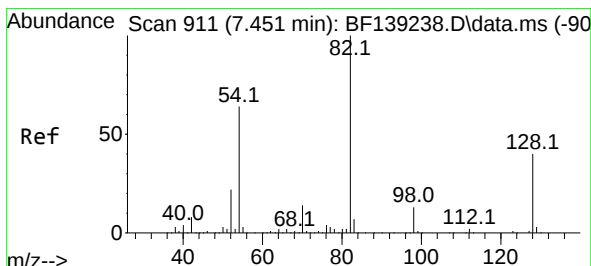
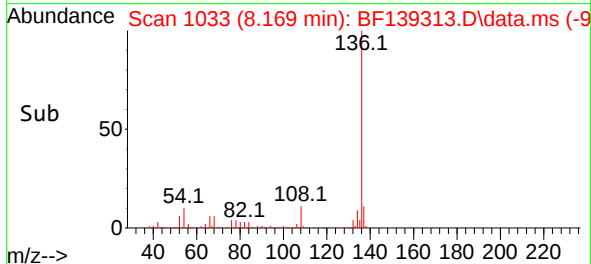
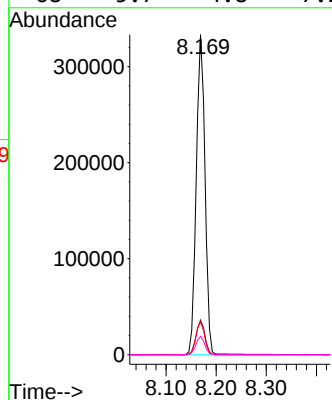
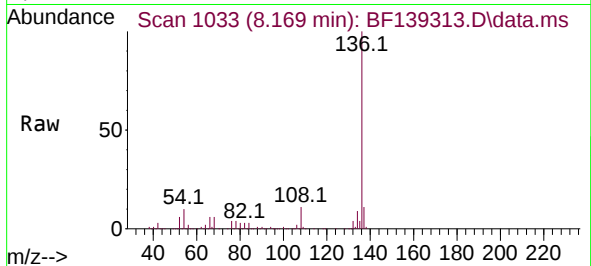


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :
BNA_F
ClientSampleId :
SU-04-090924

Tgt Ion:136 Resp: 403169

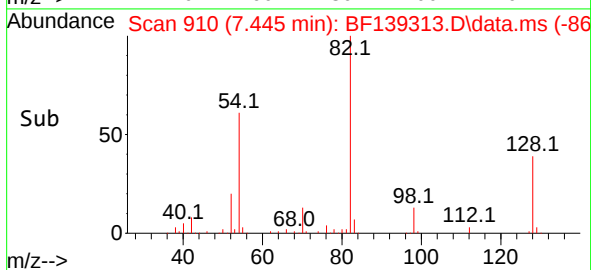
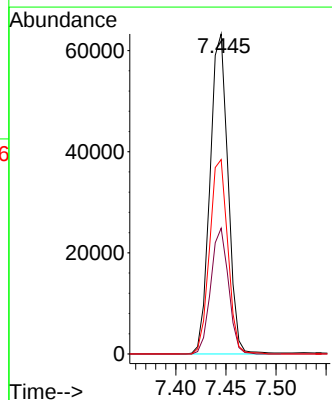
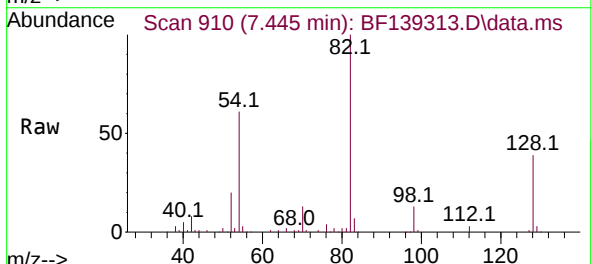
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.4	12.6
68	5.7	4.8	7.2

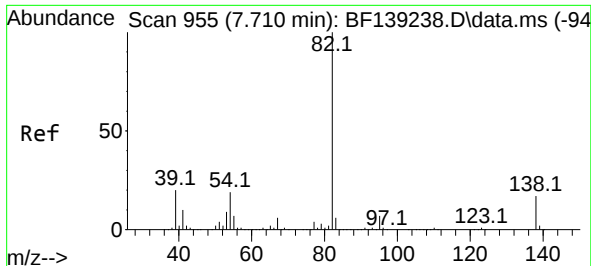


#23
Nitrobenzene-d5
Concen: 10.216 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion: 82 Resp: 79175

Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.3	48.5
54	60.7	51.2	76.8

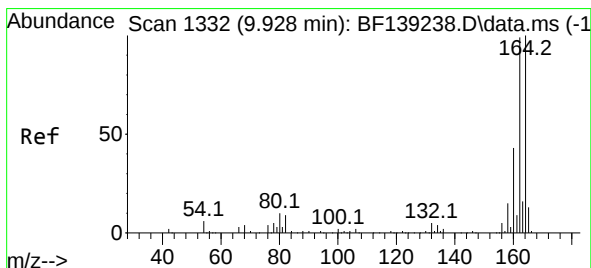
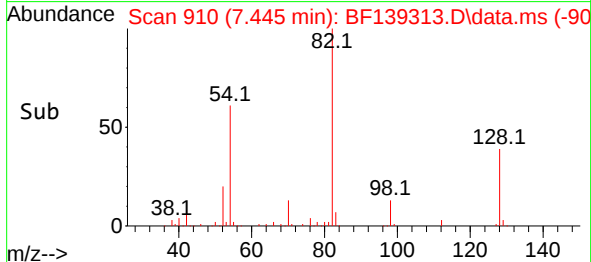
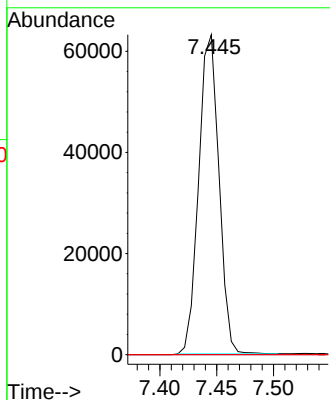
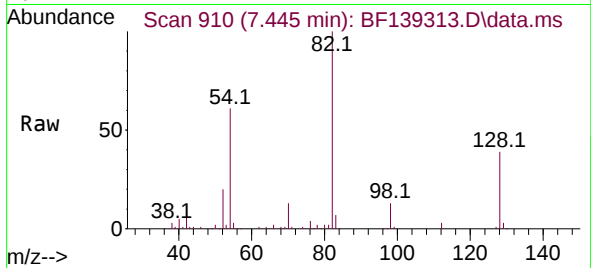




#25
Isophorone
Concen: 5.909 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

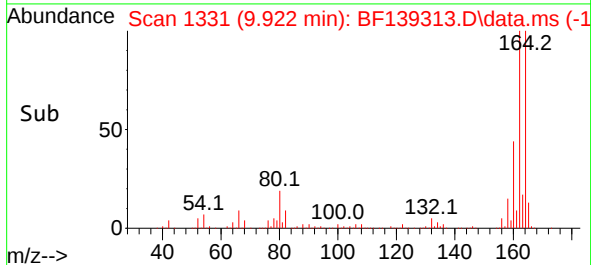
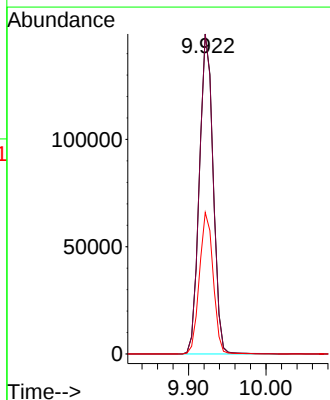
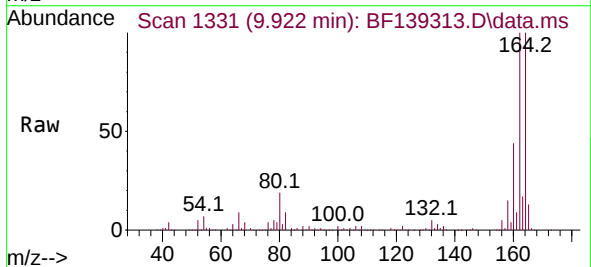
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

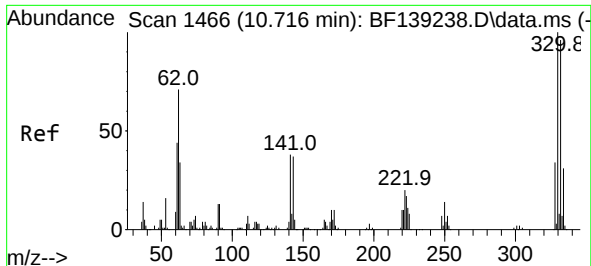
Tgt Ion: 82 Resp: 78292
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:164 Resp: 184103
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 12.401 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139313.D

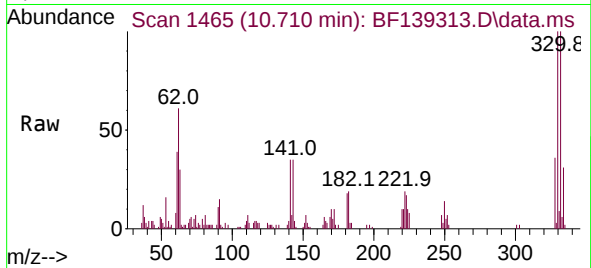
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Instrument :

BNA_F

ClientSampleId :

SU-04-090924



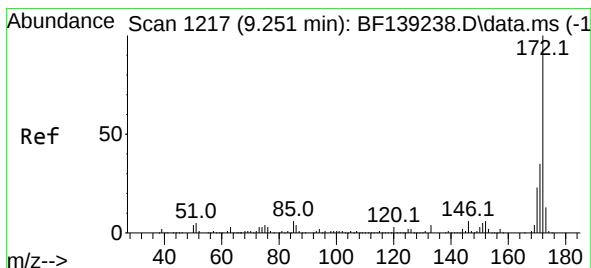
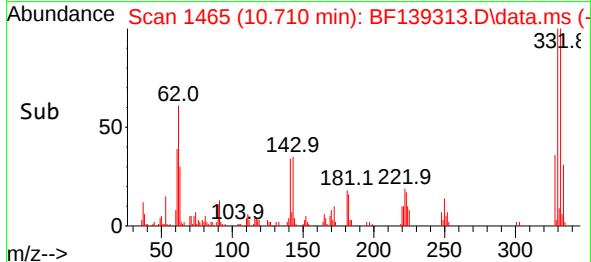
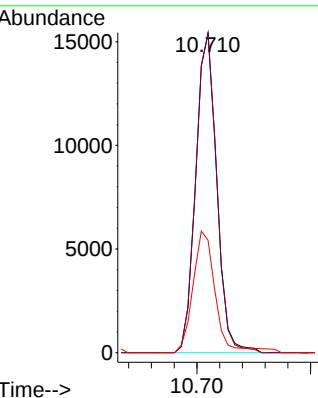
Tgt Ion:330 Resp: 19715

Ion Ratio Lower Upper

330 100

332 99.7 76.6 115.0

141 40.8 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 12.396 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

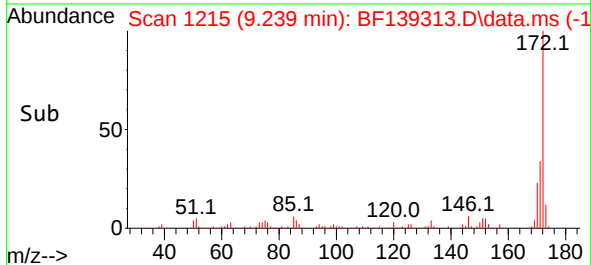
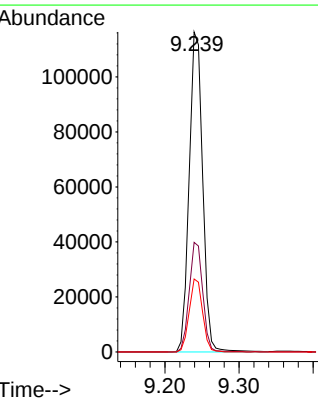
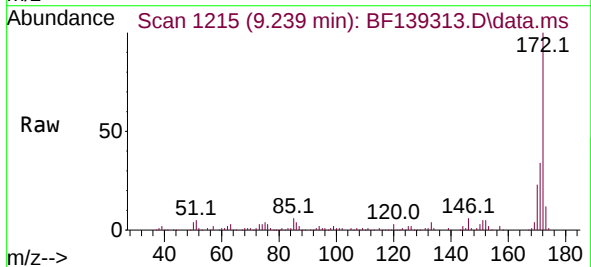
Tgt Ion:172 Resp: 147838

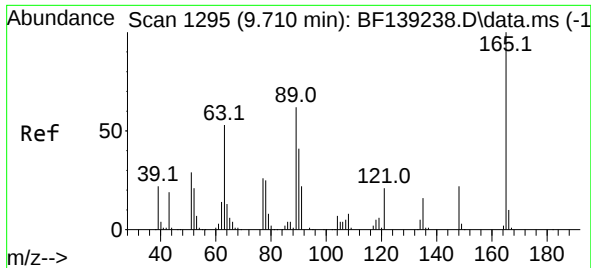
Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 22.8 18.7 28.1

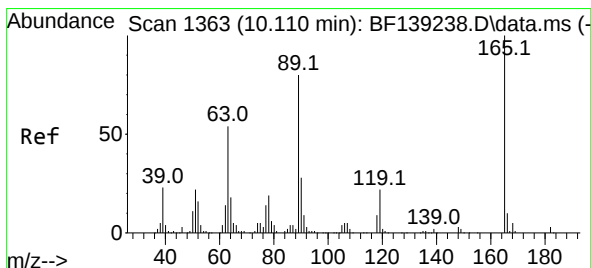
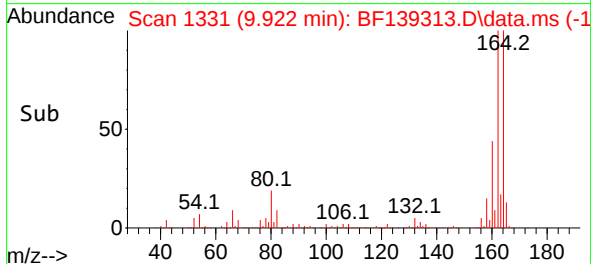
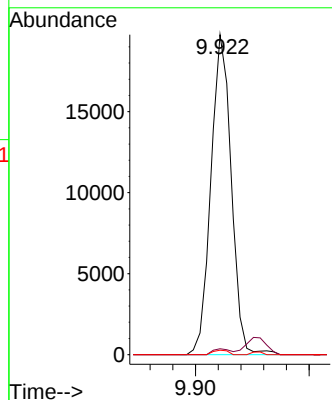
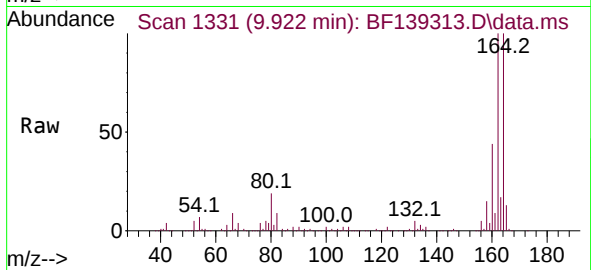




#51
2,6-Dinitrotoluene
Concen: 9.715 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

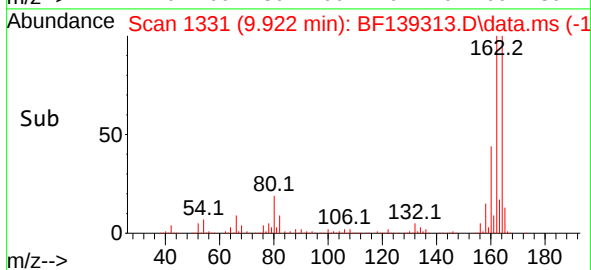
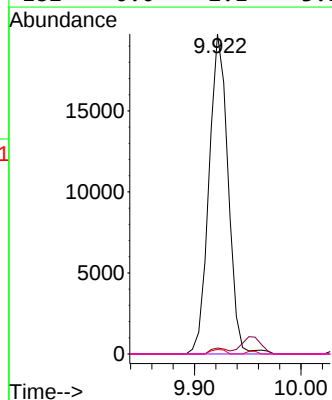
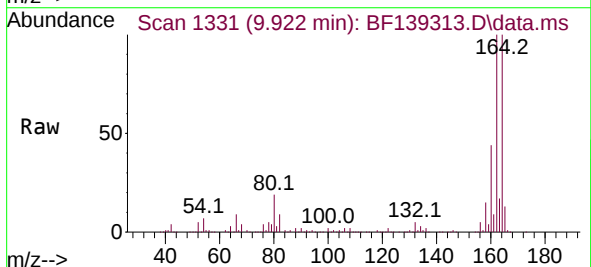
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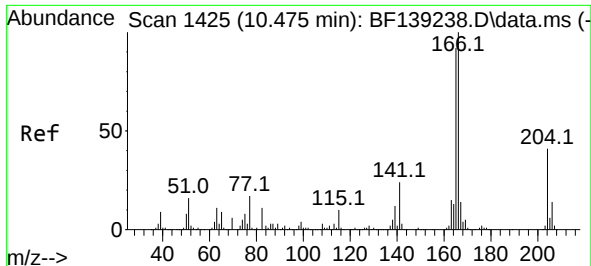
Tgt Ion:165 Resp: 24593
Ion Ratio Lower Upper
165 100
63 1.8 56.1 84.1#
89 1.4 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 7.633 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:165 Resp: 24593
Ion Ratio Lower Upper
165 100
63 1.8 43.4 65.0#
89 1.4 64.2 96.4#
182 0.0 2.1 3.1#

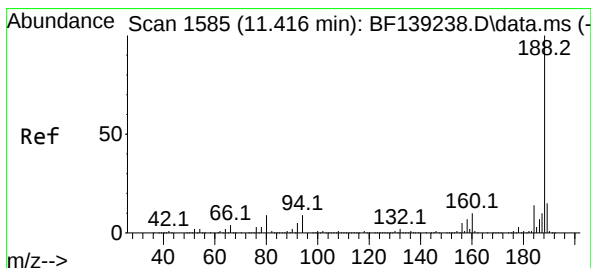
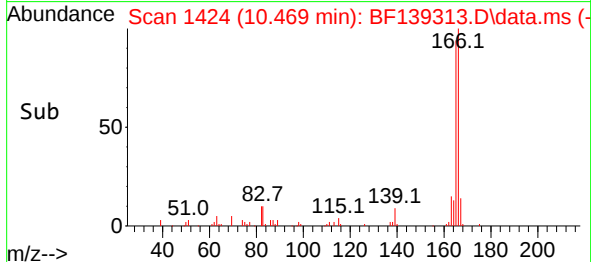
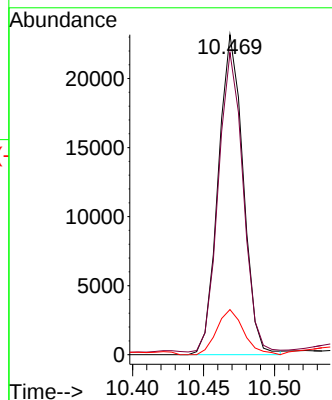
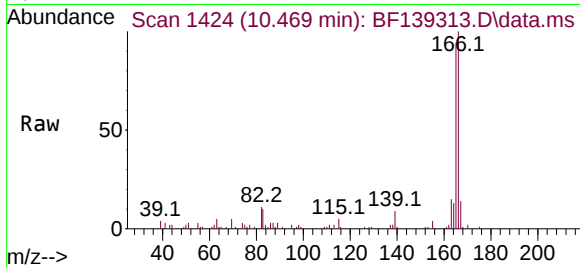




#58
 Fluorene
 Concen: 2.474 ng
 RT: 10.469 min Scan# 1425
 Delta R.T. -0.006 min
 Lab File: BF139313.D
 Acq: 10 Sep 2024 22:00

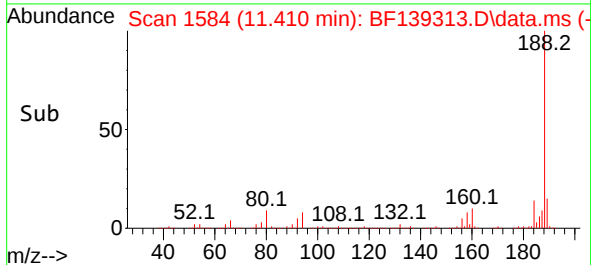
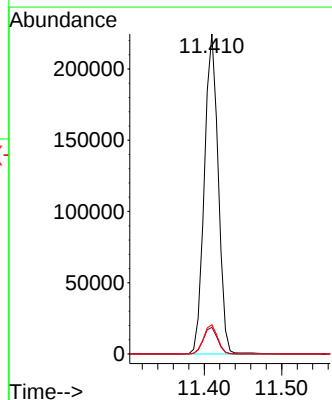
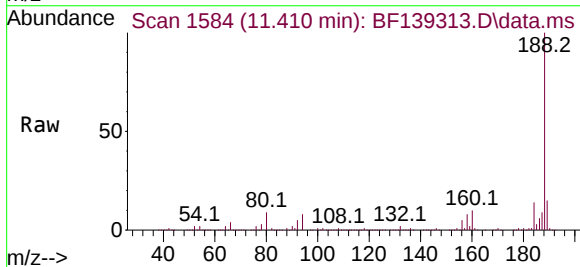
Instrument :
 BNA_F
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 SU-04-090924

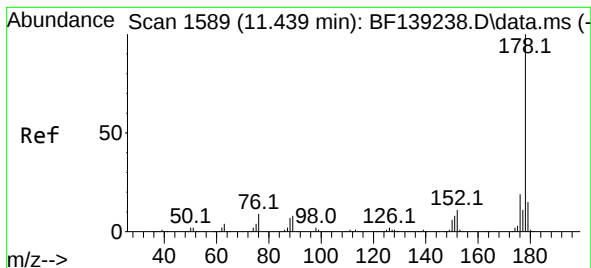
Tgt Ion:166 Resp: 28300
 Ion Ratio Lower Upper
 166 100
 165 94.4 73.7 110.5
 167 14.1 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1584
 Delta R.T. -0.006 min
 Lab File: BF139313.D
 Acq: 10 Sep 2024 22:00

Tgt Ion:188 Resp: 278660
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.0 10.4
 80 9.1 7.3 10.9

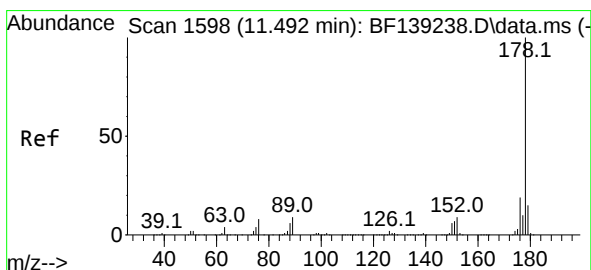
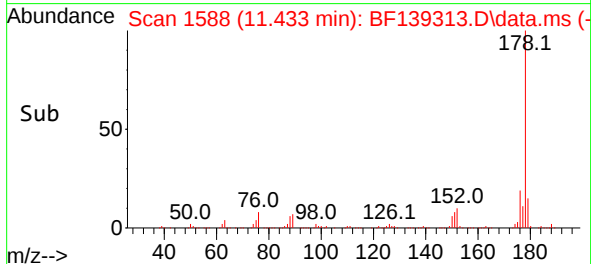
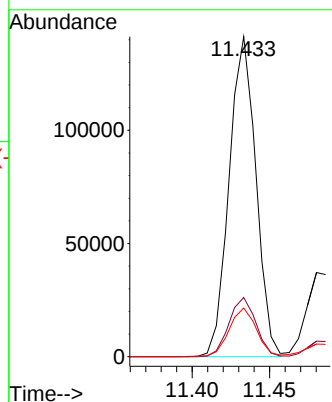
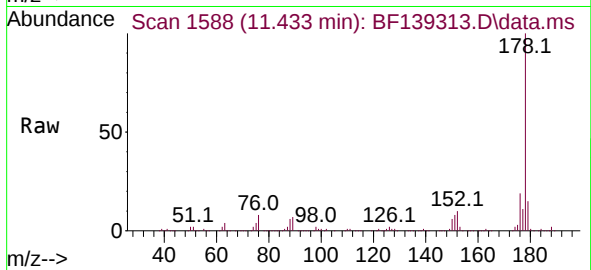




#71
Phenanthrene
Concen: 13.055 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

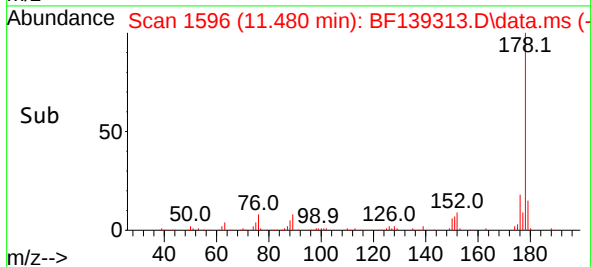
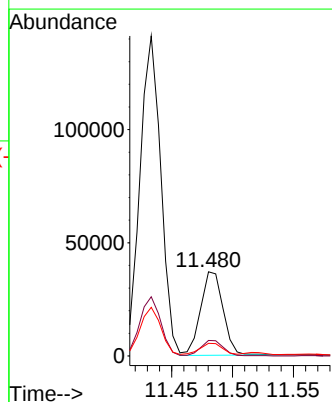
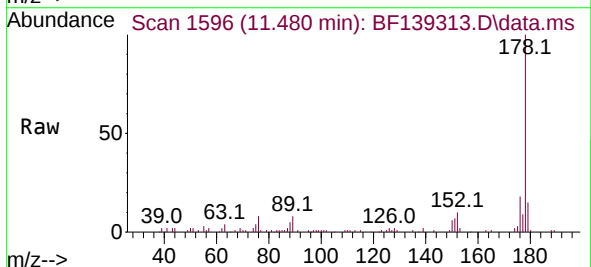
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

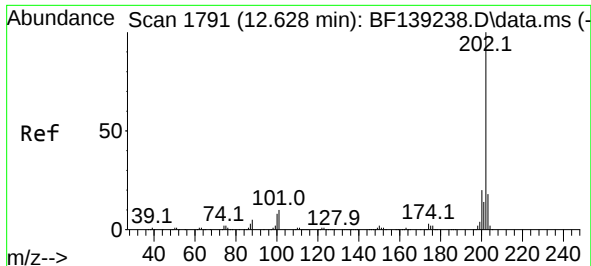
Tgt Ion:178 Resp: 169945
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 3.748 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:178 Resp: 47662
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.1 12.3 18.5

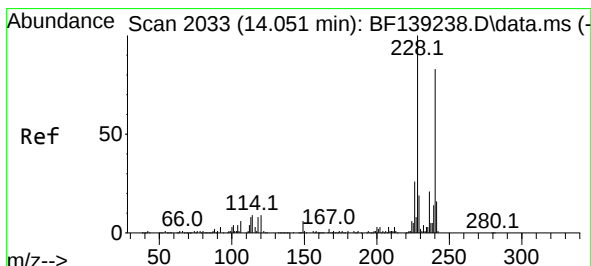
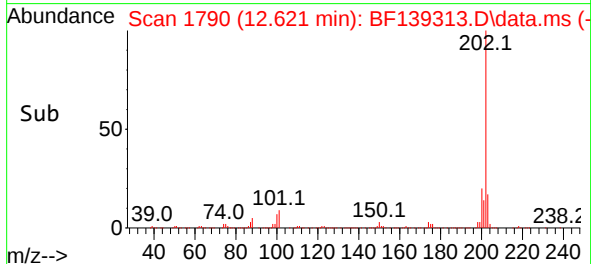
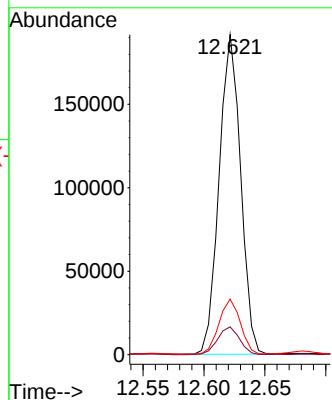
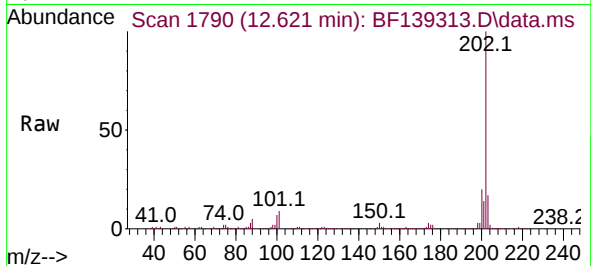




#75
Fluoranthene
Concen: 18.036 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

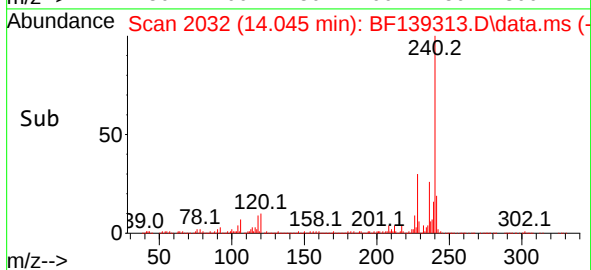
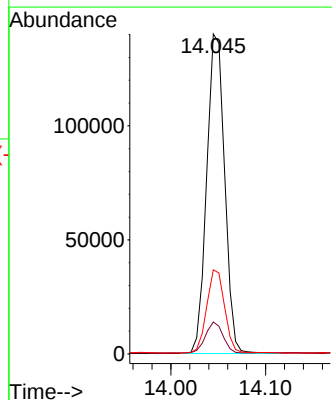
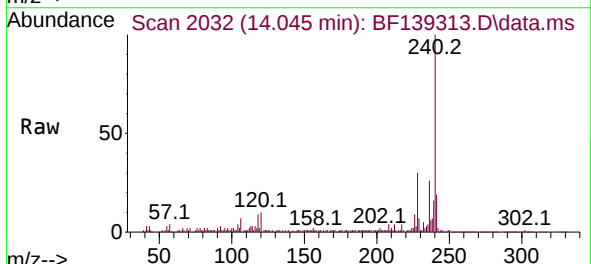
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

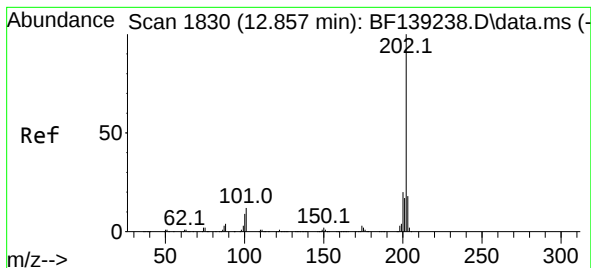
Tgt Ion:202 Resp: 235383
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.9
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:240 Resp: 184730
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 26.3 20.7 31.1





#78

Pyrene

Concen: 10.830 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

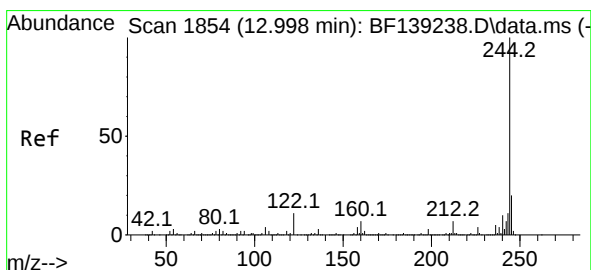
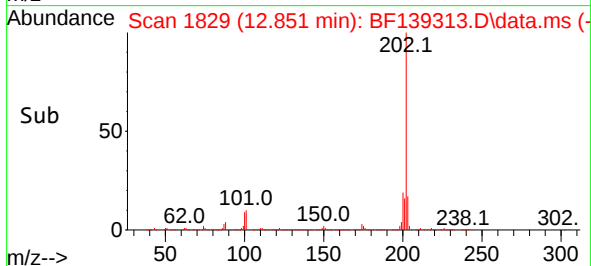
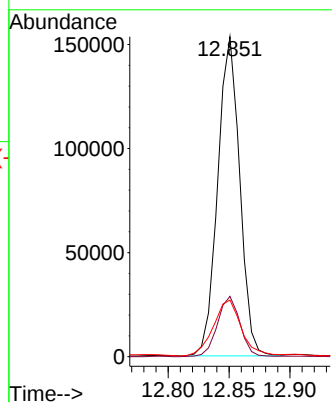
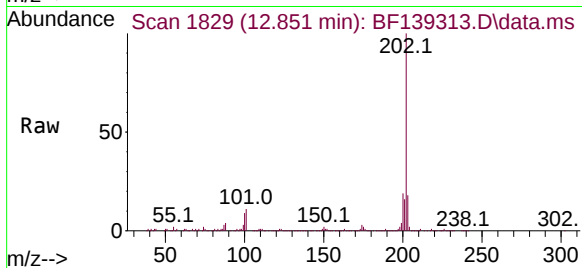
Tgt Ion:202 Resp: 193261

Ion Ratio Lower Upper

202 100

200 18.9 15.8 23.8

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 10.065 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

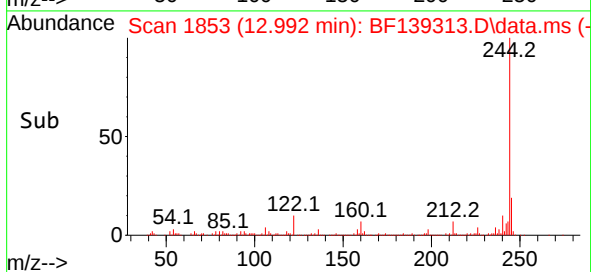
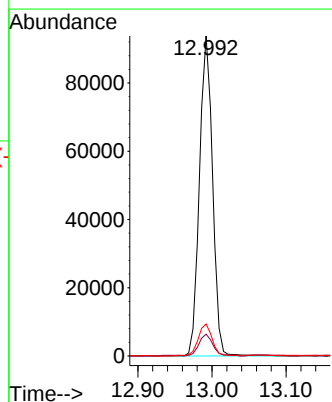
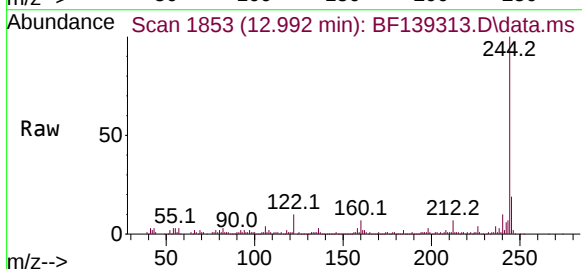
Tgt Ion:244 Resp: 115154

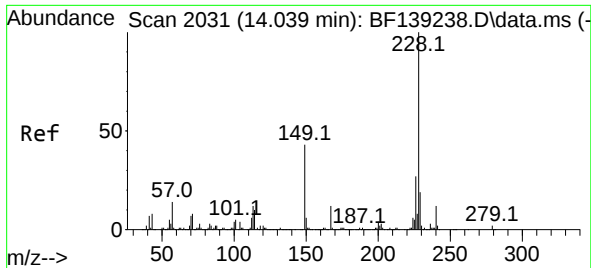
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.0 8.7 13.1

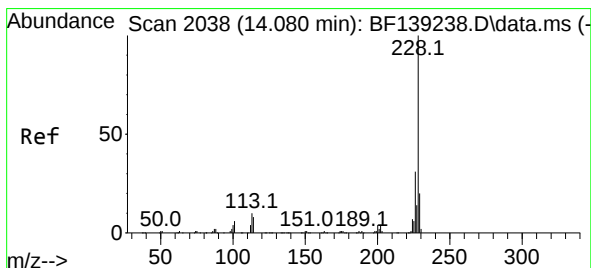
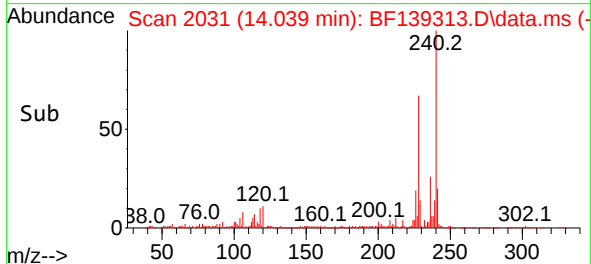
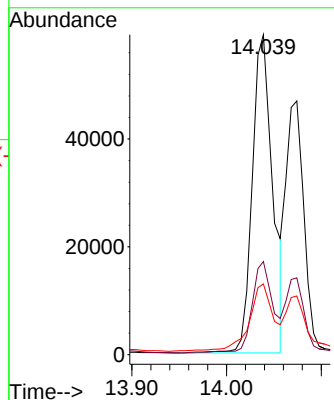
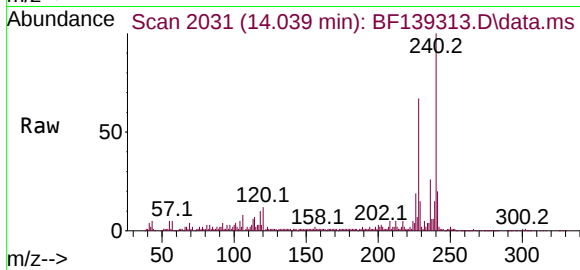




#81
Benzo(a)anthracene
Concen: 7.469 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

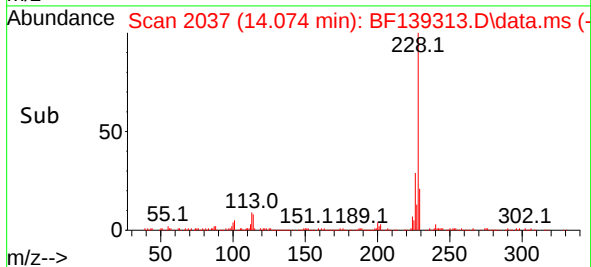
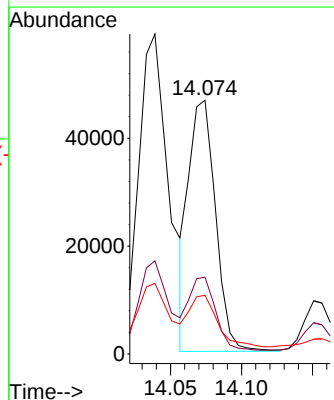
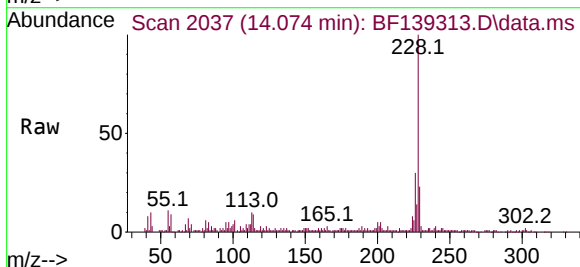
Instrument :
BNA_F
ClientSampleId :
SU-04-090924

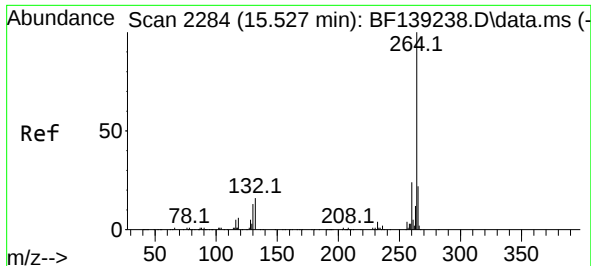
Tgt Ion:228 Resp: 88103
Ion Ratio Lower Upper
228 100
226 29.1 21.5 32.3
229 22.1 15.6 23.4



#83
Chrysene
Concen: 5.581 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:228 Resp: 61447
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 23.1 15.8 23.6

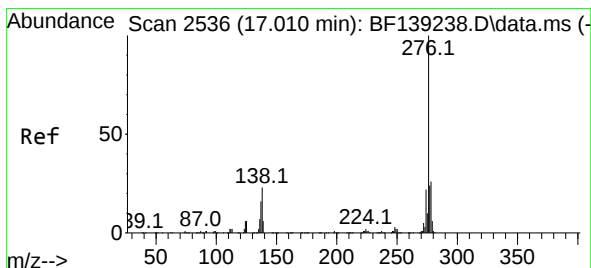
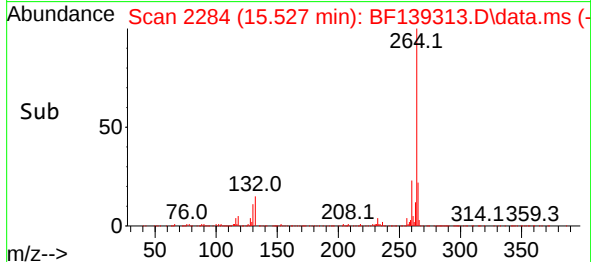
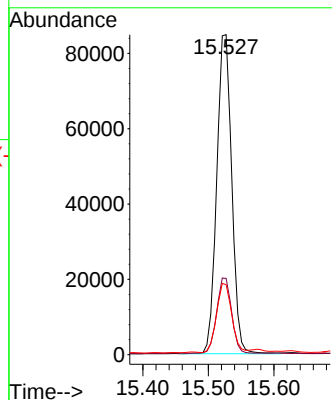
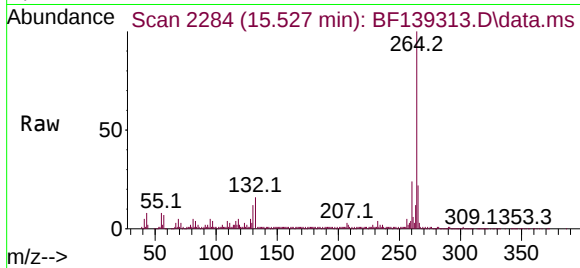




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139313.D
 Acq: 10 Sep 2024 22:00

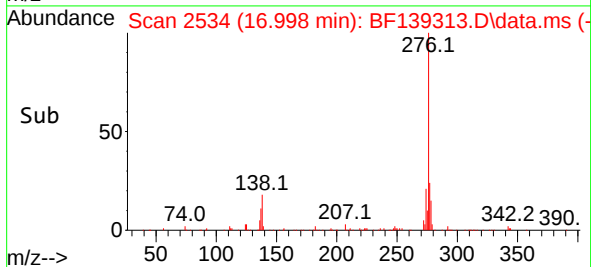
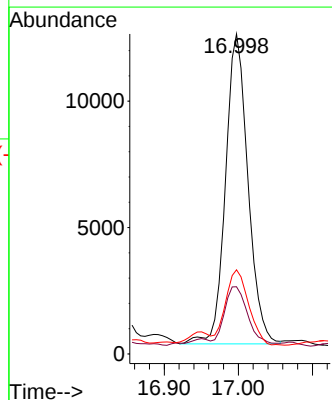
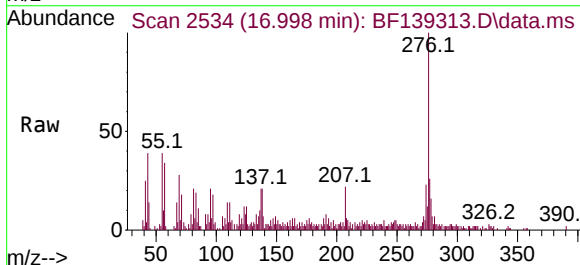
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-090924

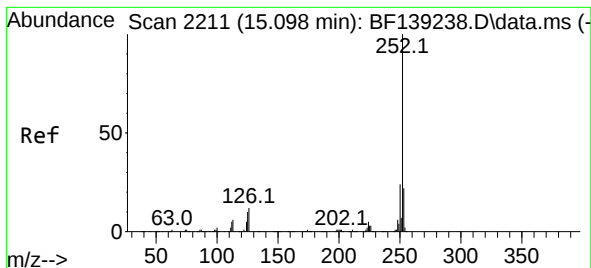
Tgt Ion:264 Resp: 134226
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.9 17.3 25.9



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.084 ng
 RT: 16.998 min Scan# 2534
 Delta R.T. -0.012 min
 Lab File: BF139313.D
 Acq: 10 Sep 2024 22:00

Tgt Ion:276 Resp: 25861
 Ion Ratio Lower Upper
 276 100
 138 19.1 20.4 30.6#
 277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 11.993 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

Instrument :

BNA_F

ClientSampleId :

SU-04-090924

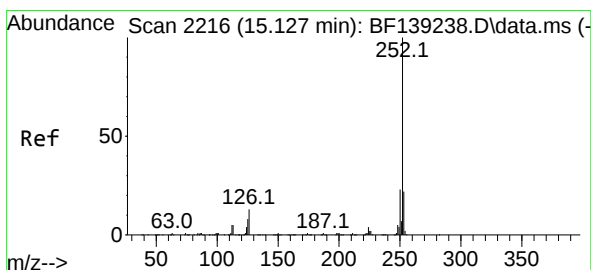
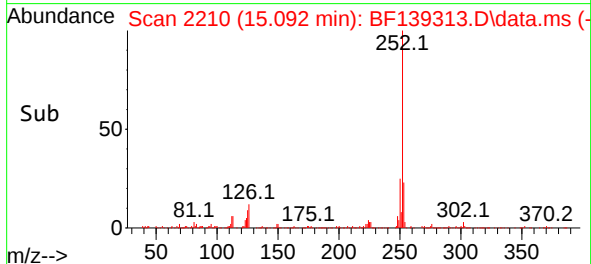
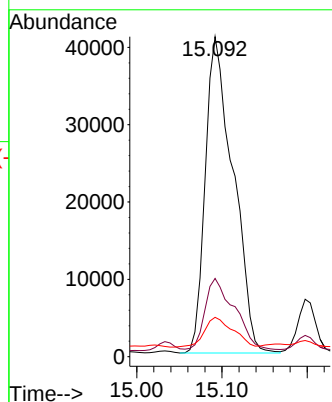
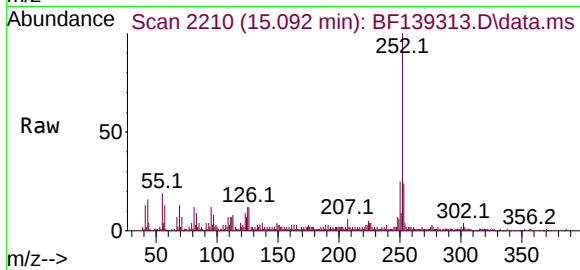
Tgt Ion:252 Resp: 92705

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 12.3 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 13.376 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.036 min

Lab File: BF139313.D

Acq: 10 Sep 2024 22:00

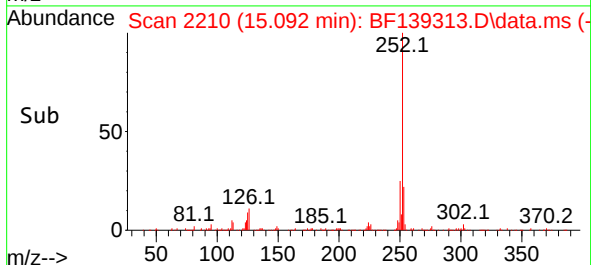
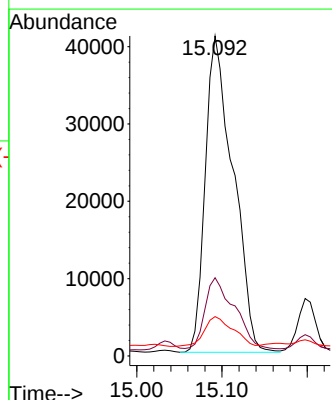
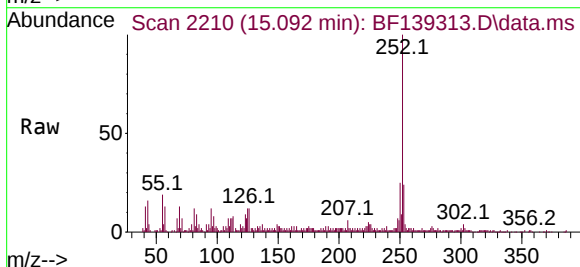
Tgt Ion:252 Resp: 92705

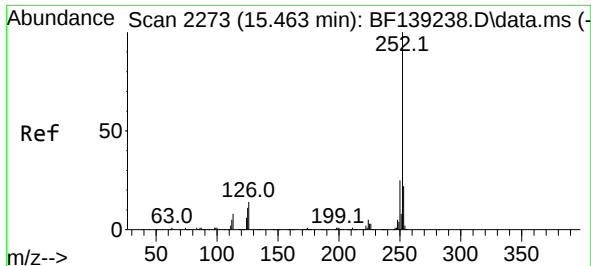
Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 12.3 7.2 10.8#

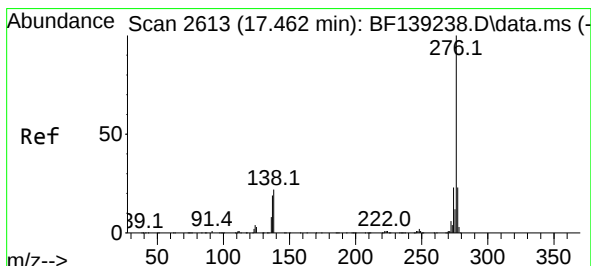
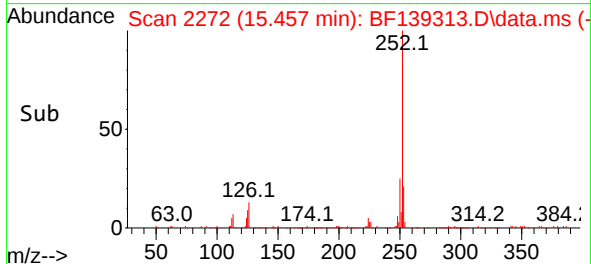
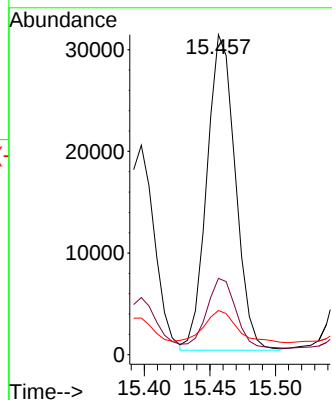
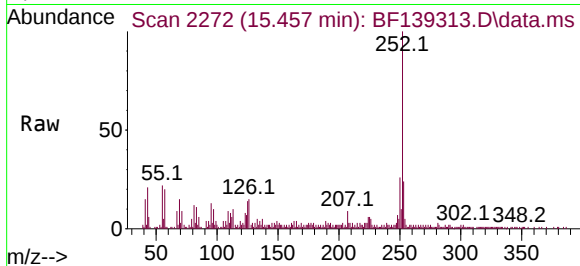




#90
Benzo(a)pyrene
Concen: 7.144 ng
RT: 15.457 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Instrument :
BNA_F
ClientSampleId :
SU-04-090924

Tgt Ion:252 Resp: 46891
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.8 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 3.482 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139313.D
Acq: 10 Sep 2024 22:00

Tgt Ion:276 Resp: 24838
Ion Ratio Lower Upper
276 100
277 26.8 18.6 27.8
138 20.8 17.4 26.0

