

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139828.D
 Acq On : 16 Oct 2024 13:38
 Operator : RC/JU
 Sample : P4364-14DL 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0.167-0.667DL

Quant Time: Oct 16 14:15:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

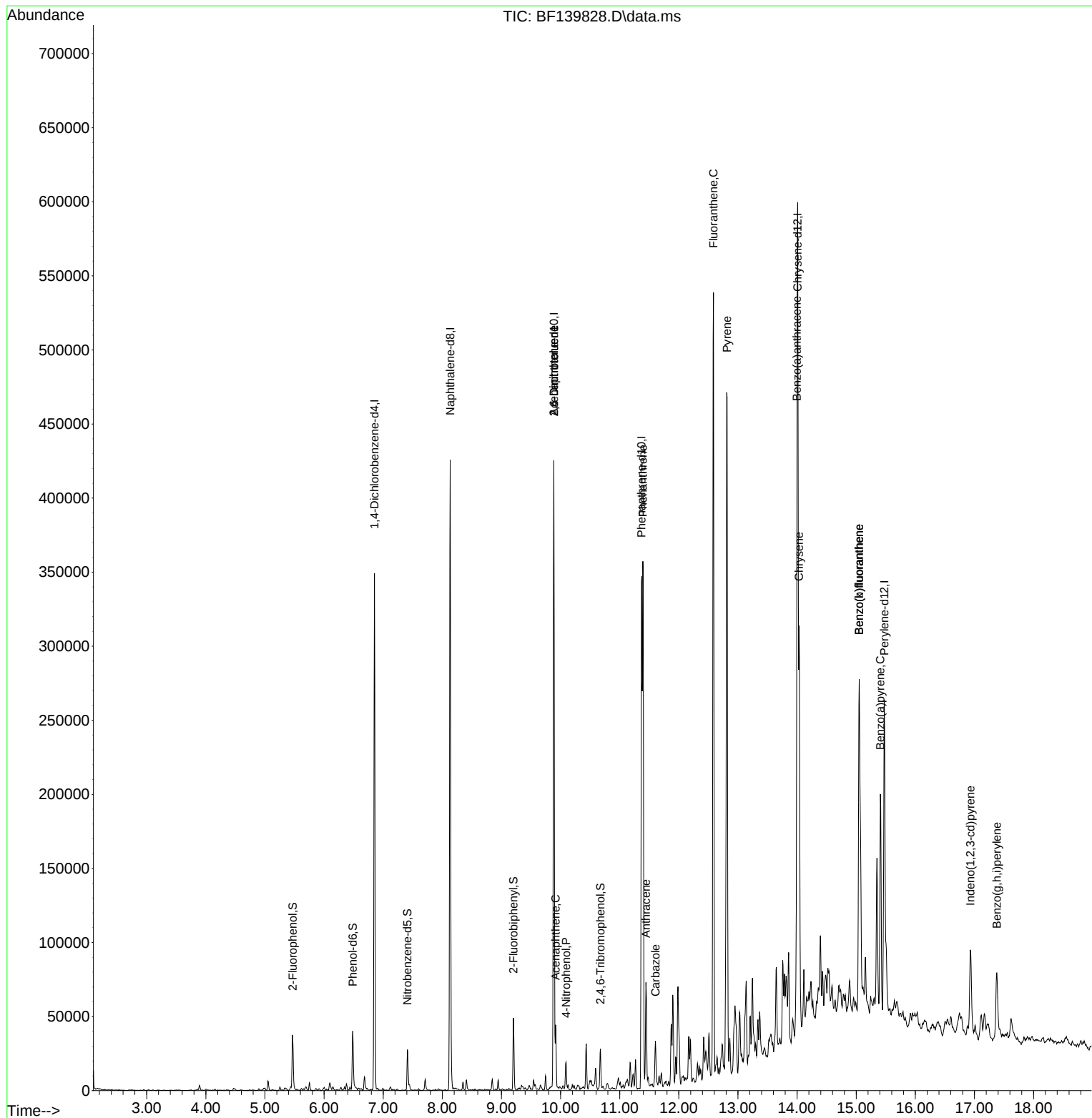
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	71531	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	252315	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	121804	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	185174	20.000	ng	0.00
76) Chrysene-d12	14.010	240	161413	20.000	ng	0.00
86) Perylene-d12	15.474	264	119958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	14798	3.491	ng	0.00
7) Phenol-d6	6.487	99	21187	3.758	ng	0.00
23) Nitrobenzene-d5	7.410	82	13048	2.662	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	3061	2.980	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	21799	2.677	ng	0.00
79) Terphenyl-d14	12.951	244	16572	-1.000	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.886	165	15766	9.268	ng	# 22
52) Acenaphthene	9.916	154	13112	2.003	ng	98
56) 4-Nitrophenol	10.092	139	3140	3.075	ng	# 2
57) 2,4-Dinitrotoluene	9.886	165	15766	7.507	ng	# 19
71) Phenanthrene	11.392	178	182065	20.584	ng	99
72) Anthracene	11.445	178	39537	4.549	ng	98
73) Carbazole	11.604	167	16667	2.167	ng	98
75) Fluoranthene	12.586	202	303028	36.310	ng	99
78) Pyrene	12.816	202	274886	17.324	ng	99
81) Benzo(a)anthracene	13.998	228	158618	14.795	ng	99
83) Chrysene	14.033	228	141076	14.437	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	37652	4.687	ng	97
88) Benzo(b)fluoranthene	15.051	252	184944	26.878	ng	97
89) Benzo(k)fluoranthene	15.051	252	184944	30.287	ng	98
90) Benzo(a)pyrene	15.409	252	86924	14.463	ng	97
92) Benzo(g,h,i)perylene	17.380	276	37081	5.367	ng	96

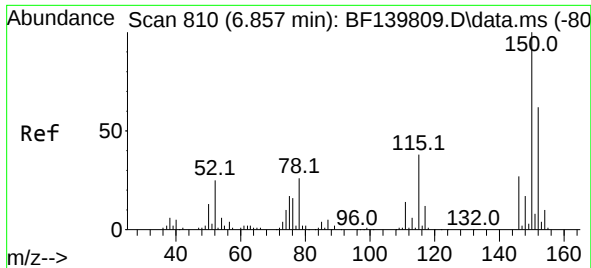
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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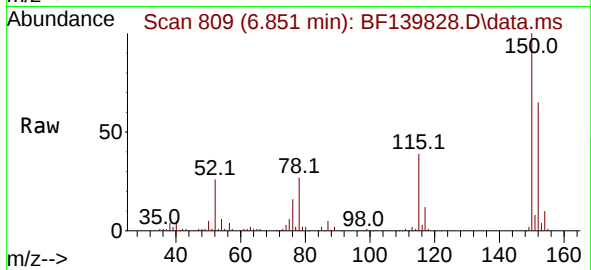
Quant Time: Oct 16 14:15:11 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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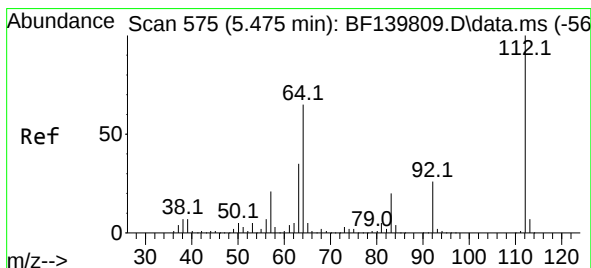
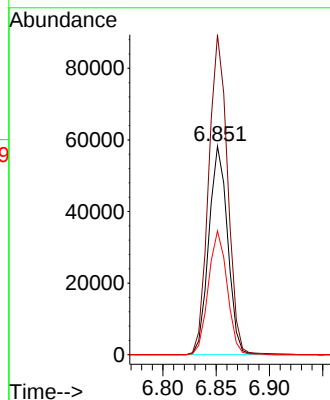
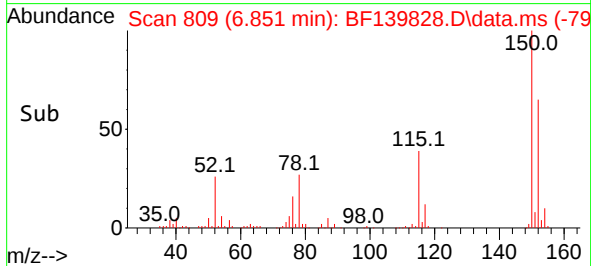


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

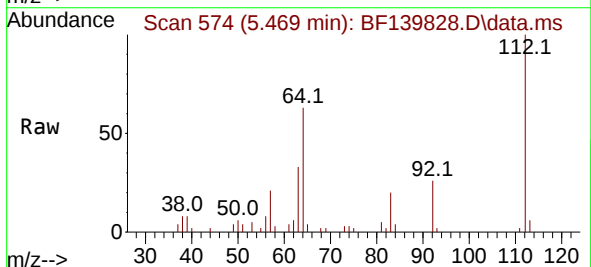
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL



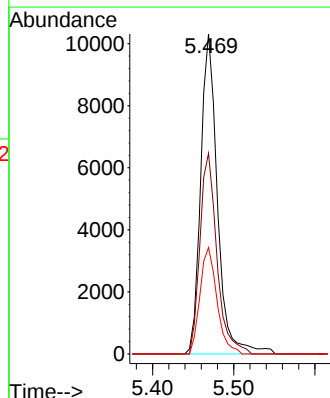
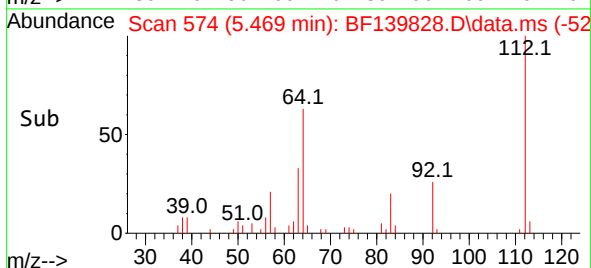
Tgt Ion:152 Resp: 71531
Ion Ratio Lower Upper
152 100
150 153.5 128.2 192.2
115 59.3 48.1 72.1

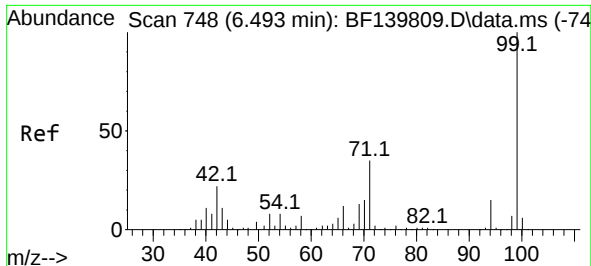


#5
2-Fluorophenol
Concen: 3.491 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38



Tgt Ion:112 Resp: 14798
Ion Ratio Lower Upper
112 100
64 62.7 52.1 78.1
63 33.2 27.6 41.4

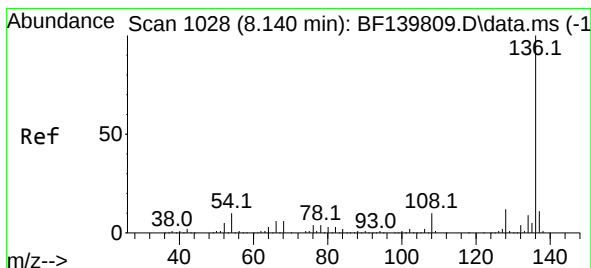
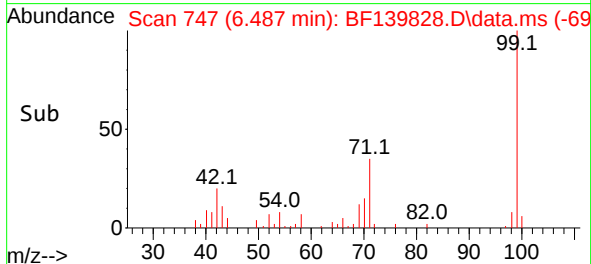
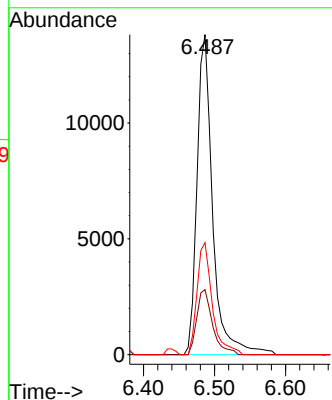
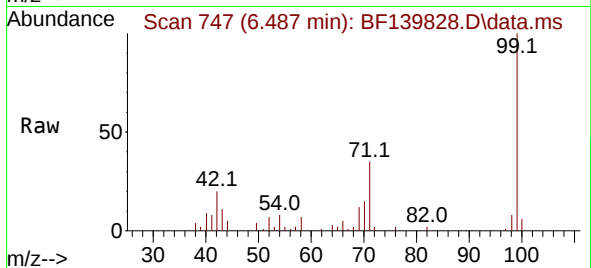




#7
Phenol-d6
Concen: 3.758 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

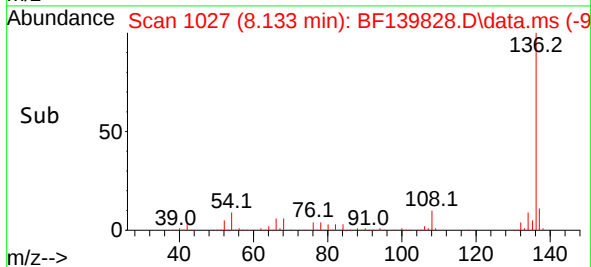
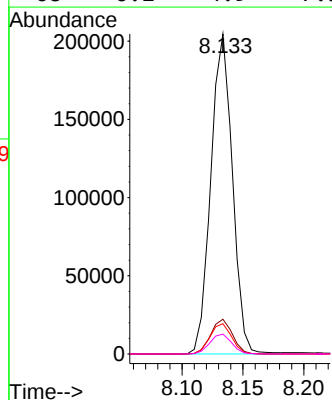
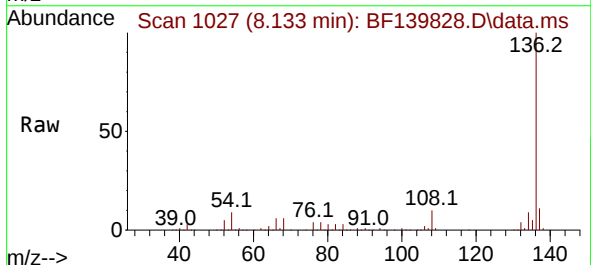
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

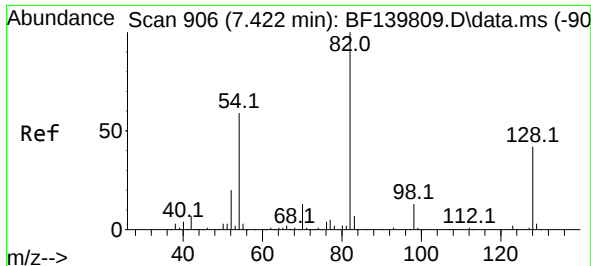
Tgt Ion: 99 Resp: 21187
Ion Ratio Lower Upper
99 100
42 20.4 17.3 25.9
71 35.0 27.8 41.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion: 136 Resp: 252315
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.4 7.7 11.5
68 6.2 4.9 7.3

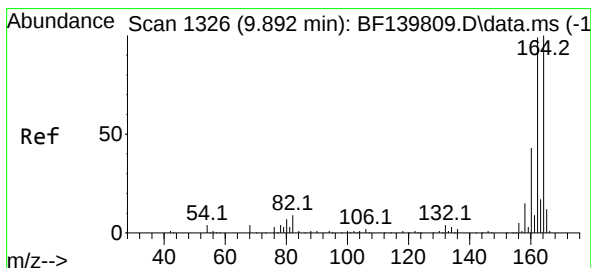
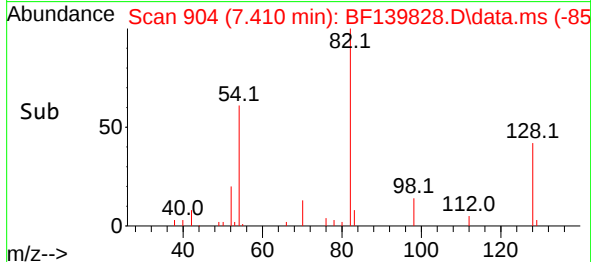
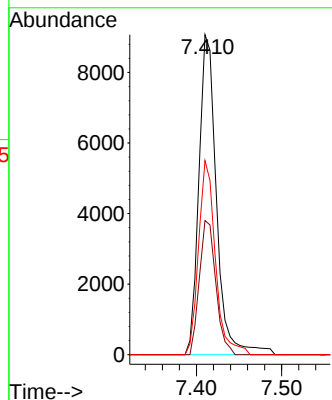
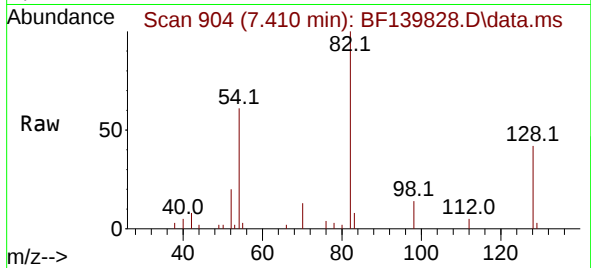




#23
Nitrobenzene-d5
Concen: 2.662 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

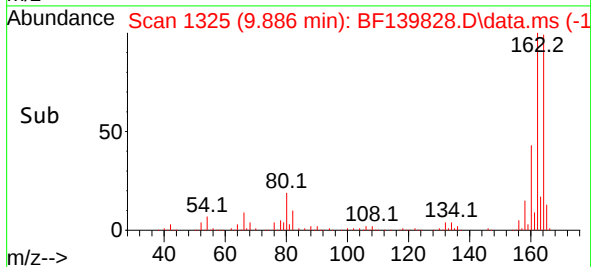
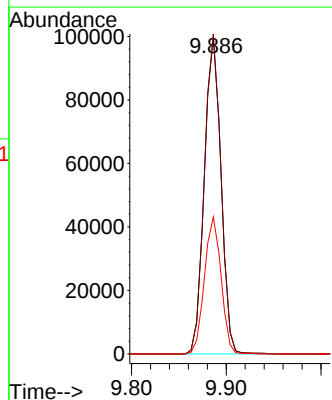
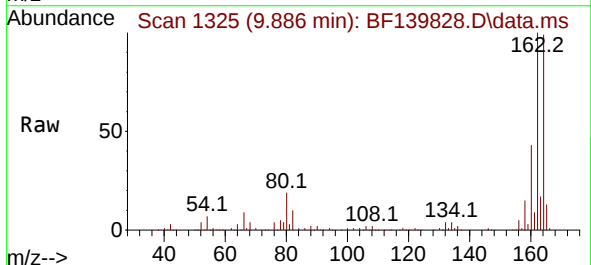
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

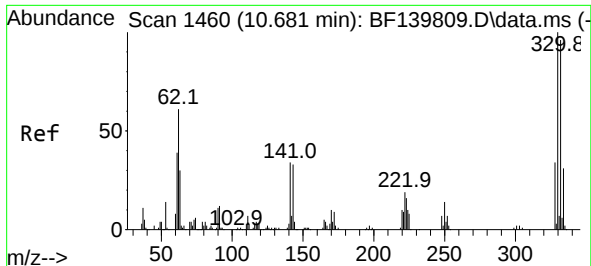
Tgt Ion: 82 Resp: 13048
Ion Ratio Lower Upper
82 100
128 41.9 33.9 50.9
54 60.6 46.9 70.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:164 Resp: 121804
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 2.980 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF139828.D

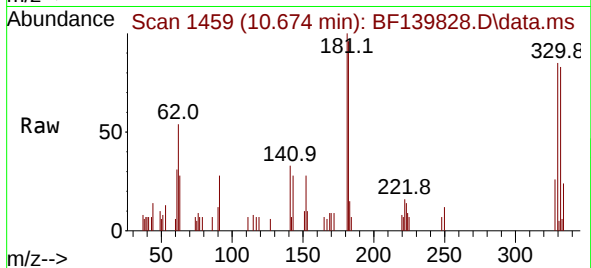
Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL



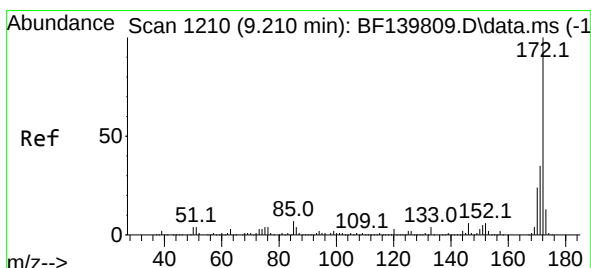
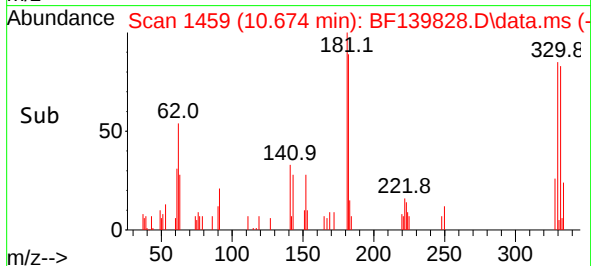
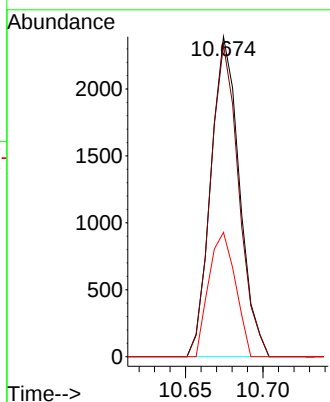
Tgt Ion:330 Resp: 3061

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

141 36.1 27.8 41.6



#45

2-Fluorobiphenyl

Concen: 2.677 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

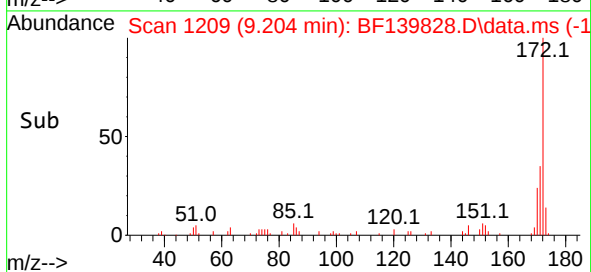
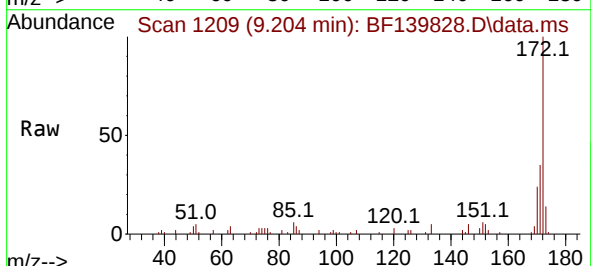
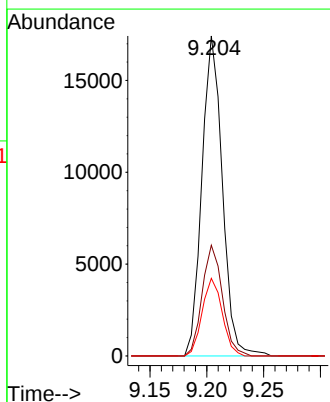
Tgt Ion:172 Resp: 21799

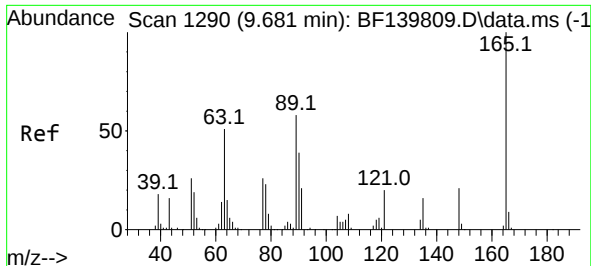
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.2

170 24.3 18.9 28.3

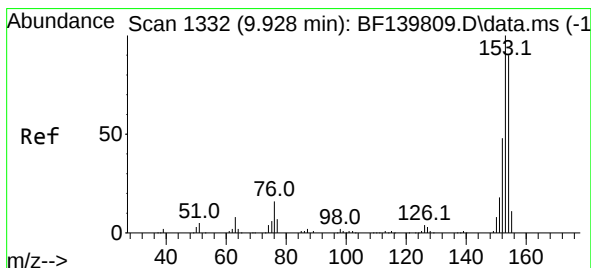
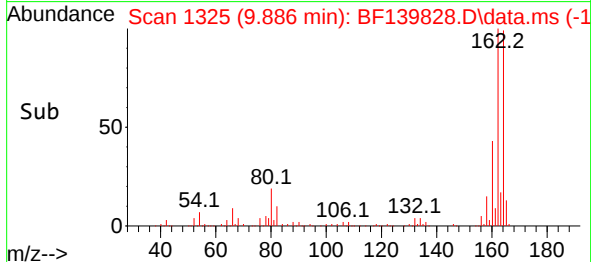
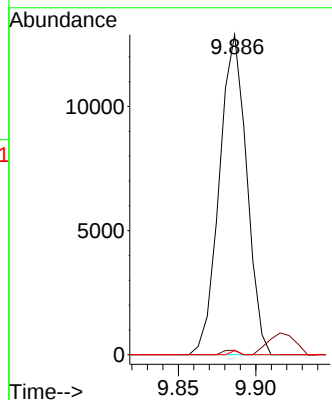
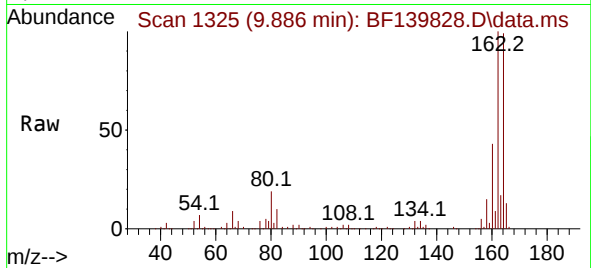




#51
2,6-Dinitrotoluene
Concen: 9.268 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

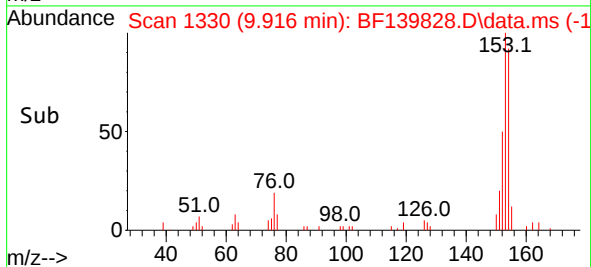
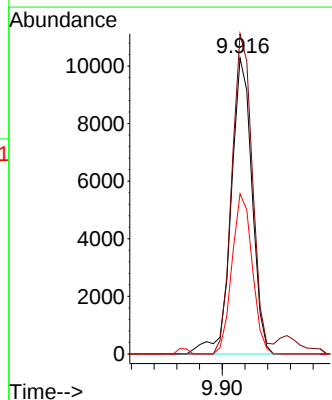
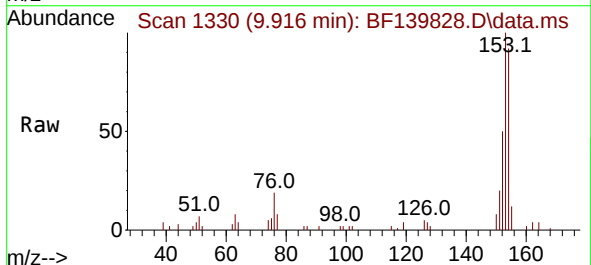
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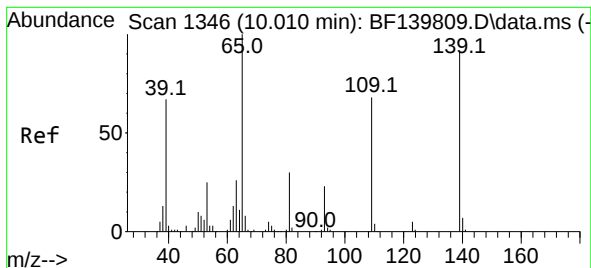
Tgt Ion:165 Resp: 15766
Ion Ratio Lower Upper
165 100
63 1.4 50.0 75.0#
89 1.3 46.8 70.2#



#52
Acenaphthene
Concen: 2.003 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:154 Resp: 13112
Ion Ratio Lower Upper
154 100
153 108.1 88.8 133.2
152 54.1 42.3 63.5

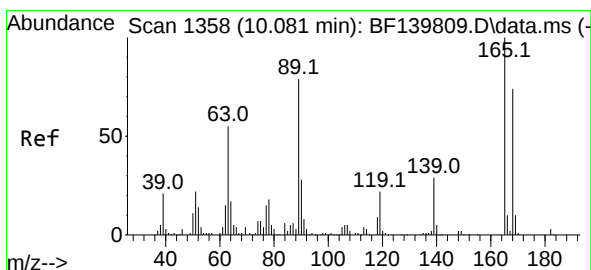
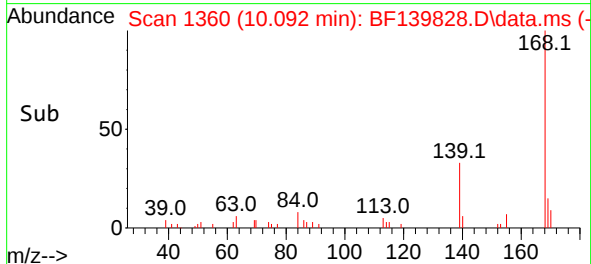
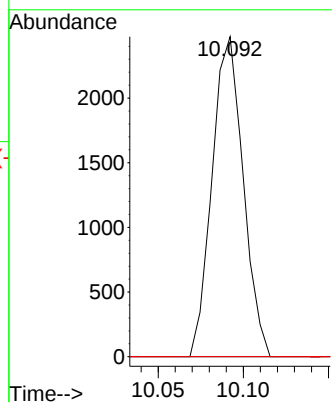
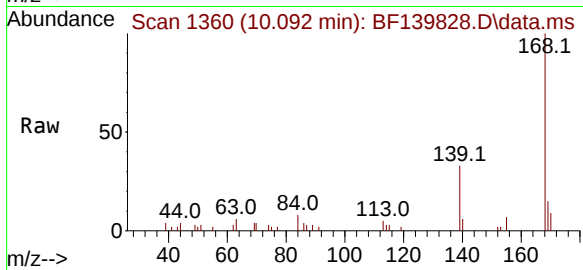




#56
4-Nitrophenol
Concen: 3.075 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

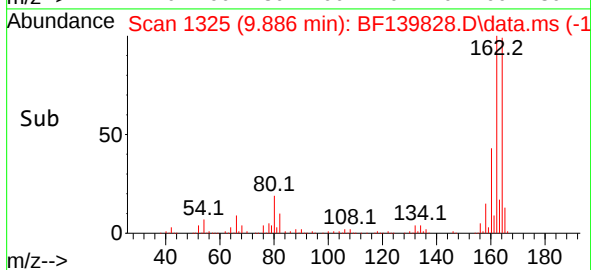
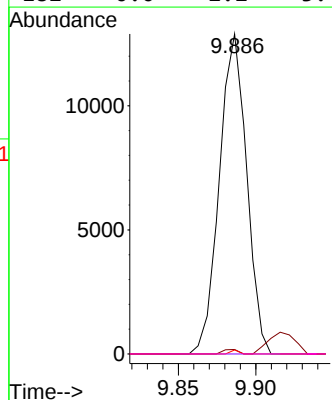
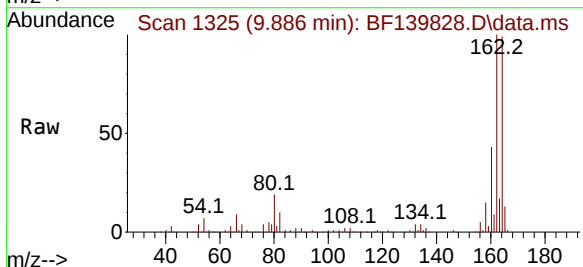
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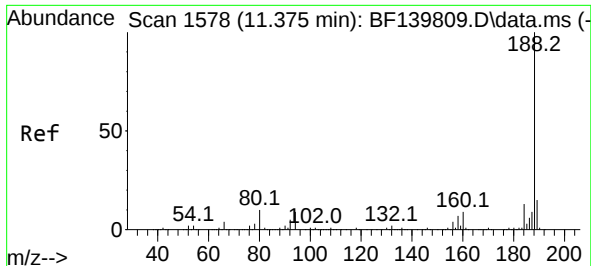
Tgt Ion:139 Resp: 3140
Ion Ratio Lower Upper
139 100
109 0.0 54.1 94.1#
65 0.0 90.5 130.5#



#57
2,4-Dinitrotoluene
Concen: 7.507 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.195 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:165 Resp: 15766
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.3 63.1 94.7#
182 0.0 2.2 3.4#

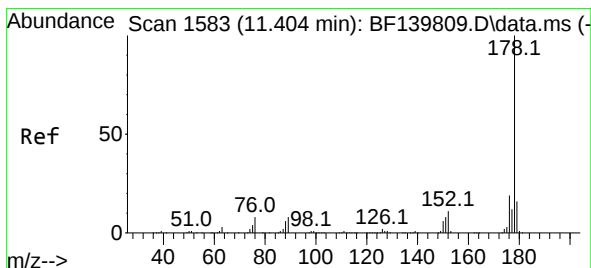
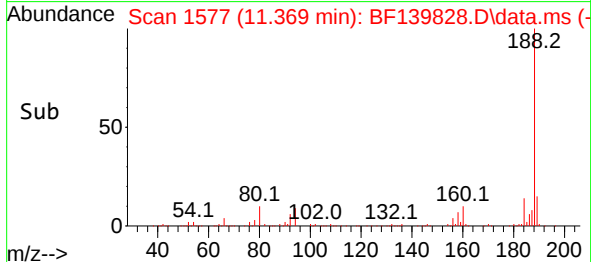
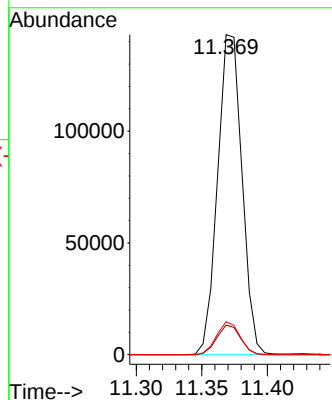
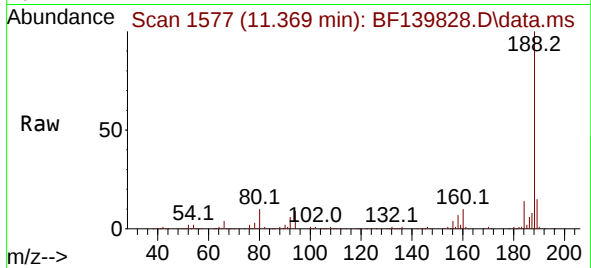




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

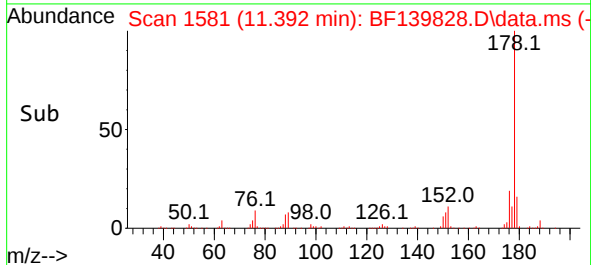
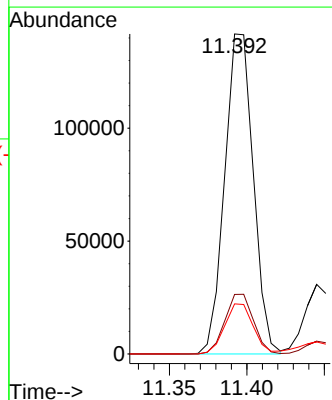
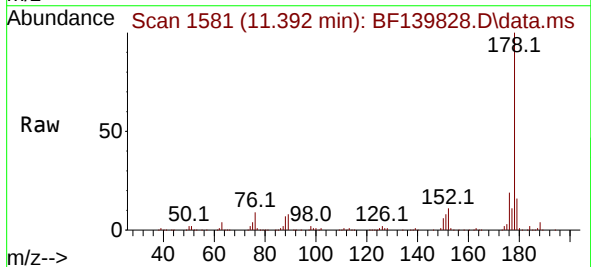
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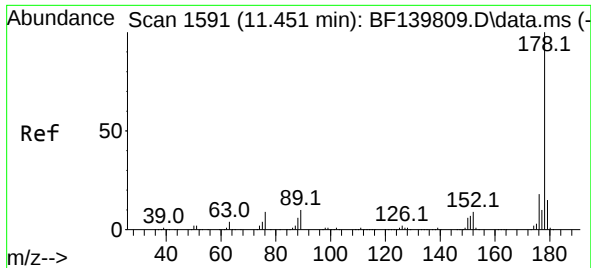
Tgt Ion:188 Resp: 185174
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.3 7.8 11.8



#71
Phenanthrene
Concen: 20.584 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:178 Resp: 182065
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.6 12.5 18.7

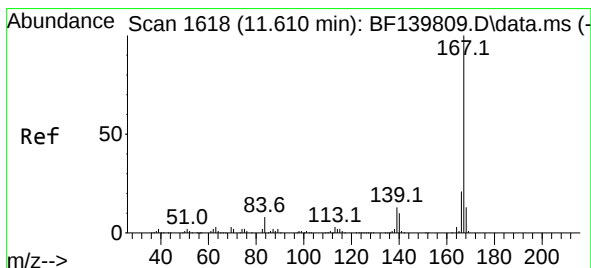
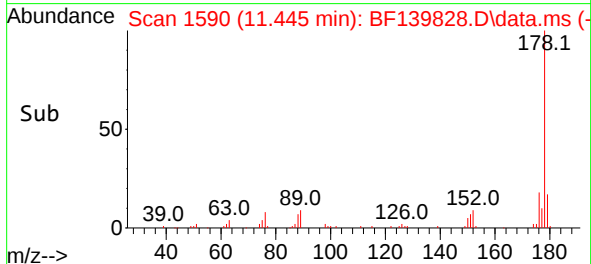
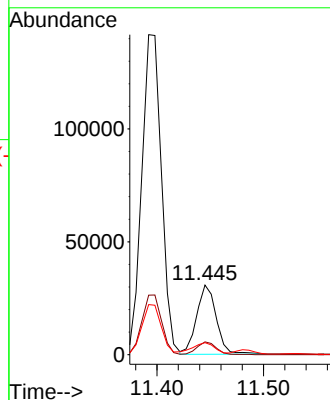
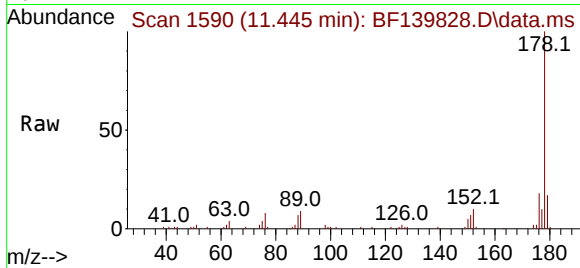




#72
Anthracene
Concen: 4.549 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

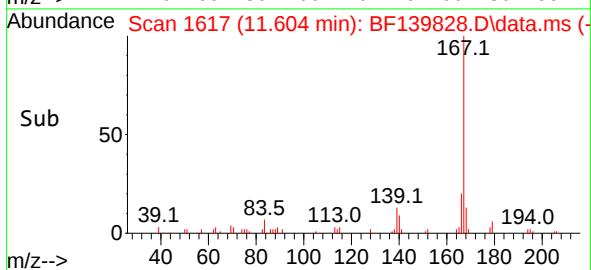
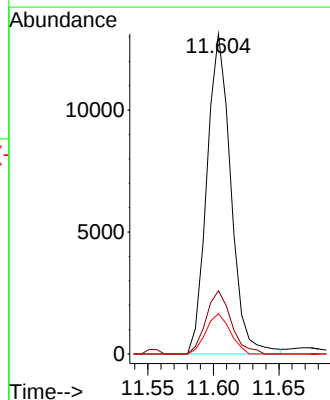
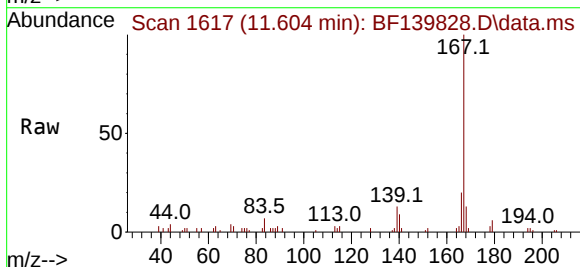
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

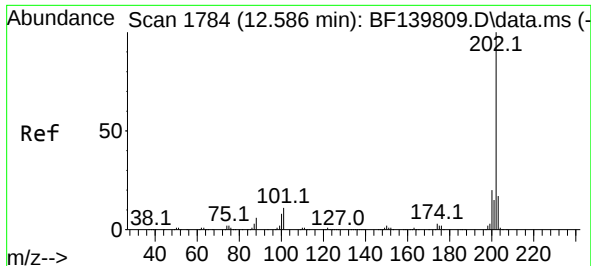
Tgt Ion:178 Resp: 39537
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 17.2 12.4 18.6



#73
Carbazole
Concen: 2.167 ng
RT: 11.604 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:167 Resp: 16667
Ion Ratio Lower Upper
167 100
166 19.8 17.0 25.6
139 12.6 10.1 15.1

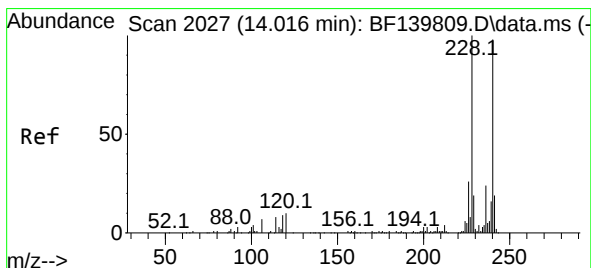
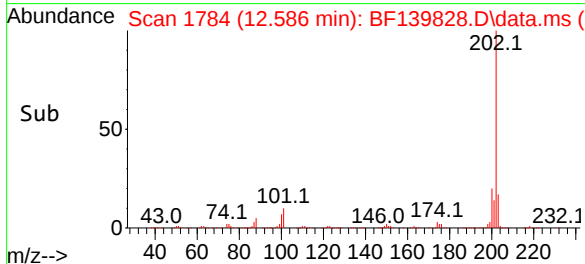
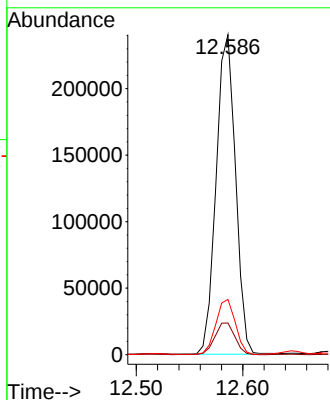
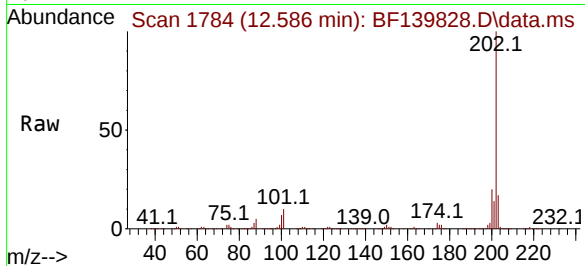




#75
Fluoranthene
Concen: 36.310 ng
RT: 12.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

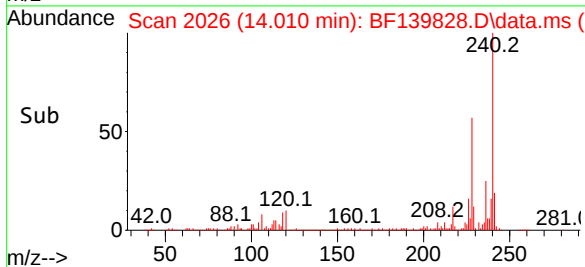
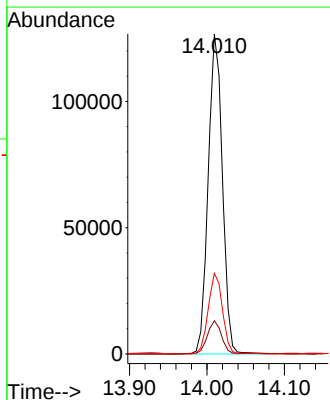
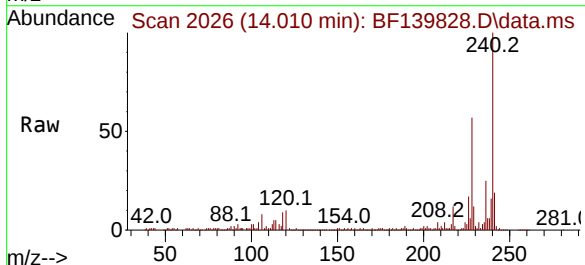
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

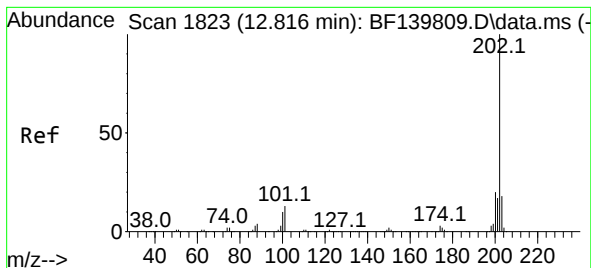
Tgt Ion:202 Resp: 303028
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.8
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:240 Resp: 161413
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.2 20.0 30.0





#78

Pyrene

Concen: 17.324 ng

RT: 12.816 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

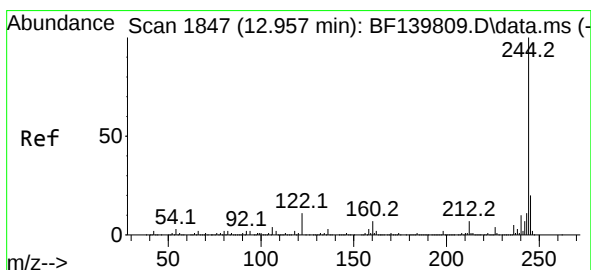
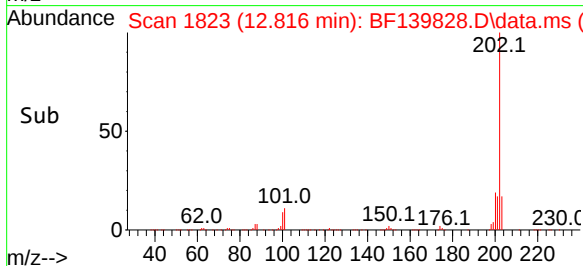
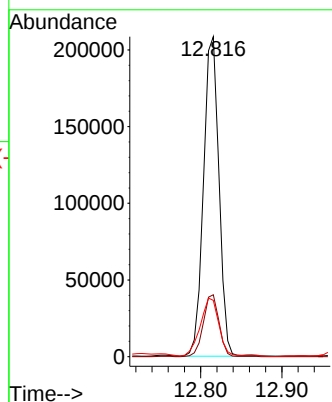
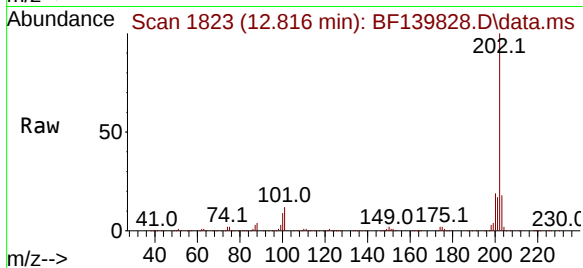
Tgt Ion:202 Resp: 274886

Ion Ratio Lower Upper

202 100

200 19.3 15.9 23.9

203 17.6 14.0 21.0



#79

Terphenyl-d14

Concen: -1.000 ng

RT: 12.951 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

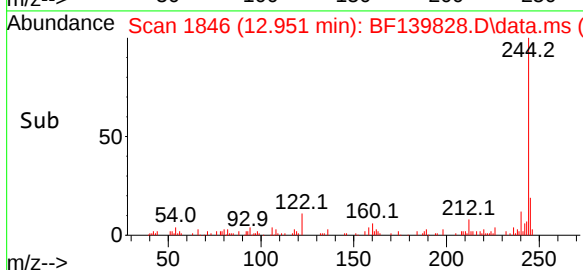
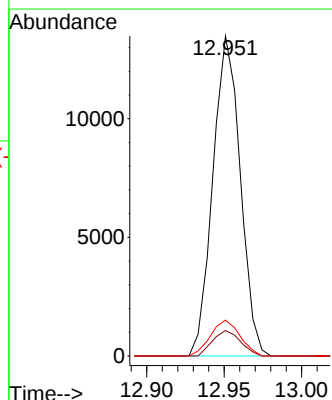
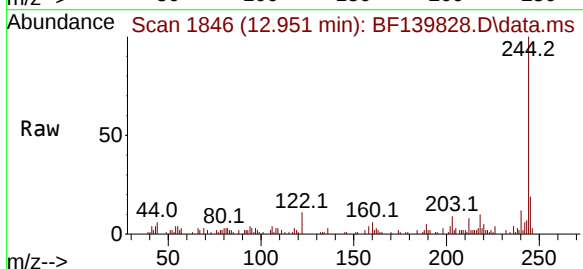
Tgt Ion:244 Resp: 16572

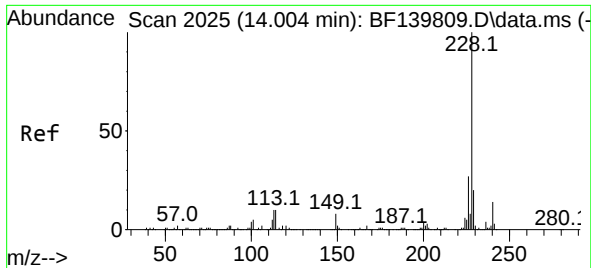
Ion Ratio Lower Upper

244 100

212 7.9 5.5 8.3

122 11.2 8.9 13.3

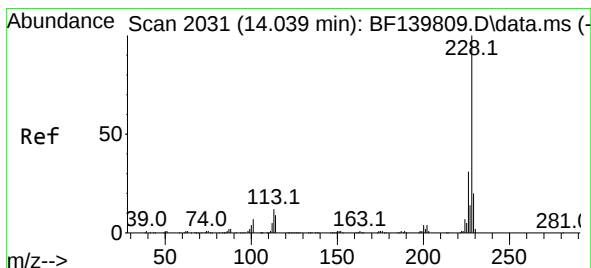
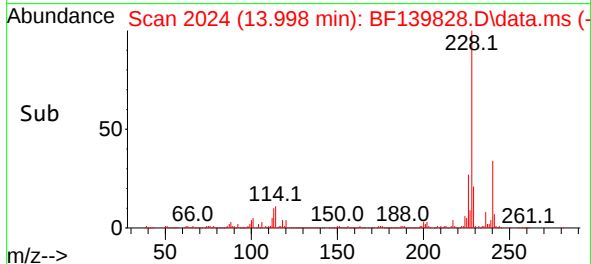
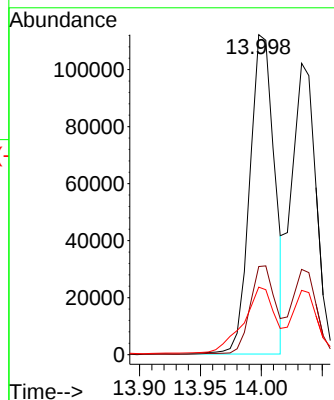
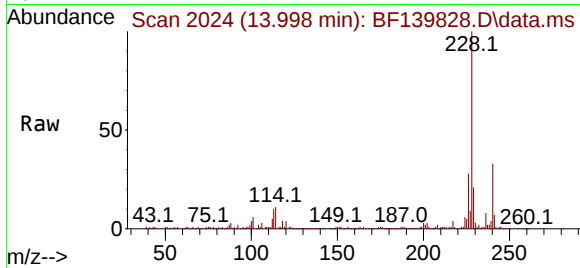




#81
Benzo(a)anthracene
Concen: 14.795 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

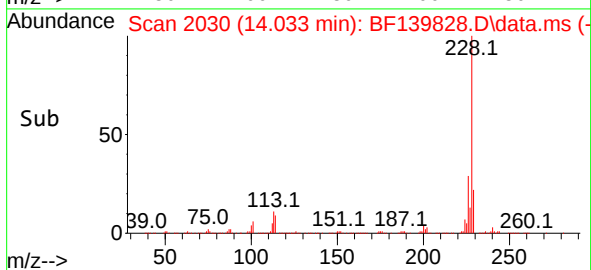
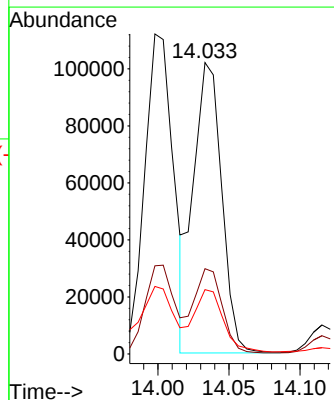
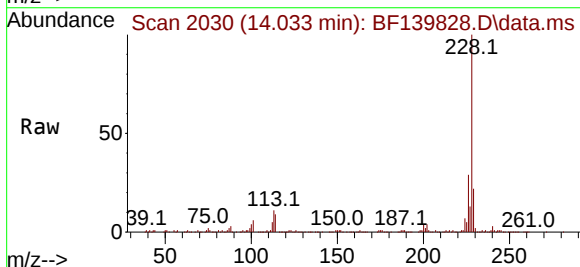
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

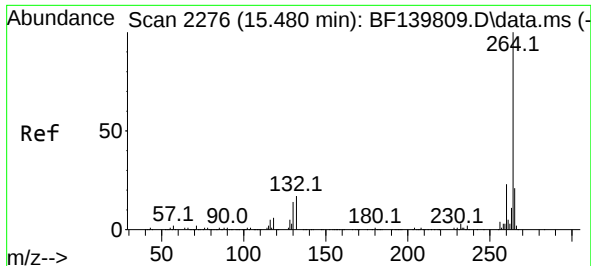
Tgt Ion:228 Resp: 158618
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 21.1 15.8 23.8



#83
Chrysene
Concen: 14.437 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:228 Resp: 141076
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 22.1 15.8 23.6

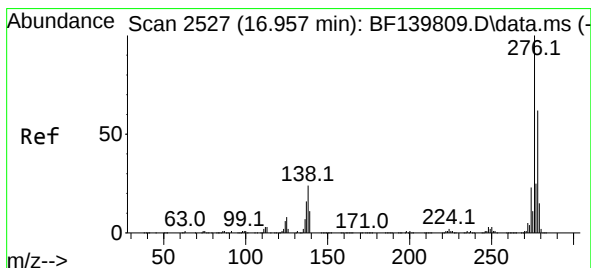
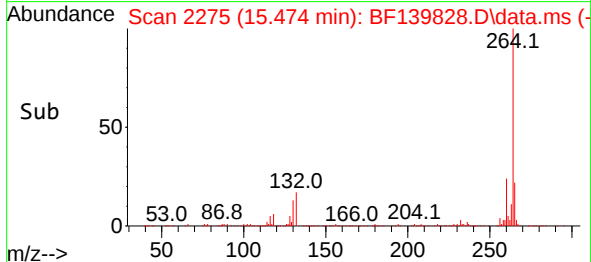
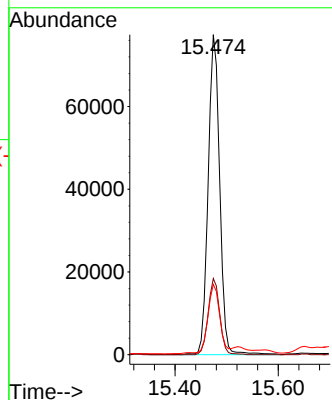
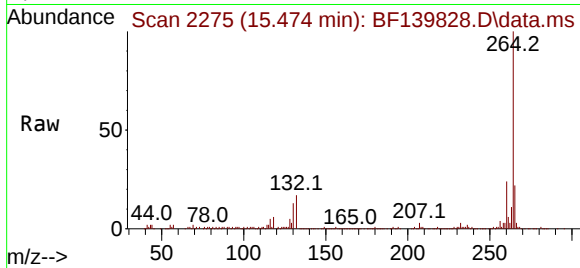




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

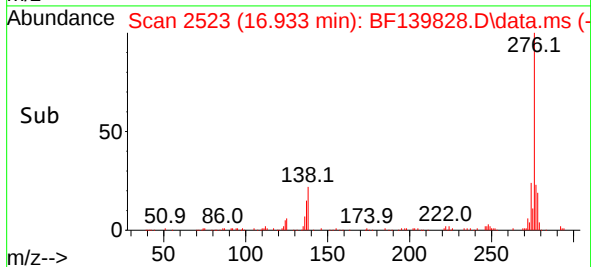
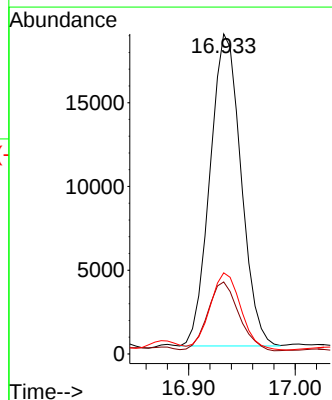
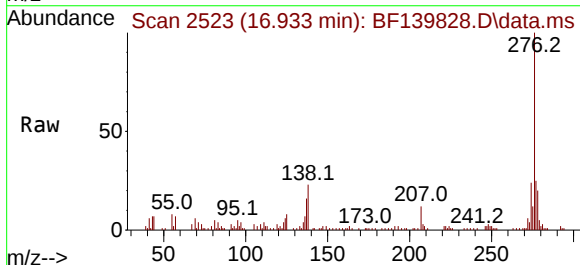
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

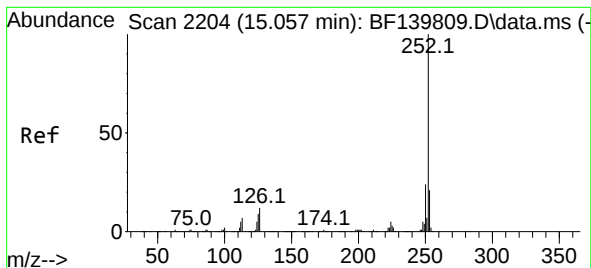
Tgt Ion:264 Resp: 119958
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 21.9 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.687 ng
RT: 16.933 min Scan# 2523
Delta R.T. -0.024 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:276 Resp: 37652
Ion Ratio Lower Upper
276 100
138 22.1 20.0 30.0
277 24.7 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 26.878 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

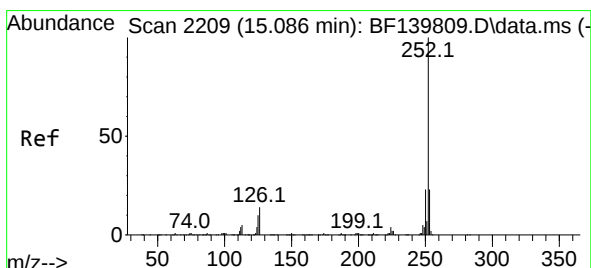
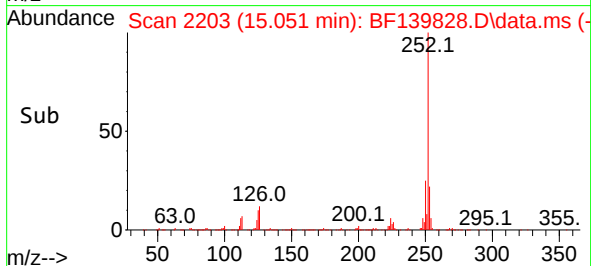
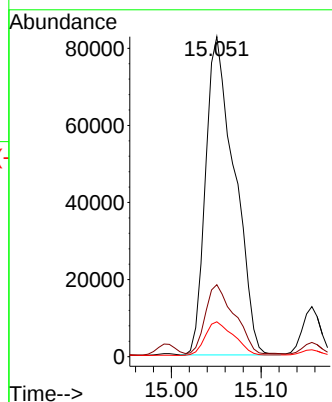
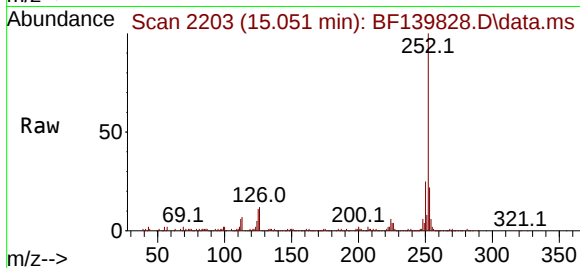
Tgt Ion:252 Resp: 184944

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 10.9 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 30.287 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.036 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

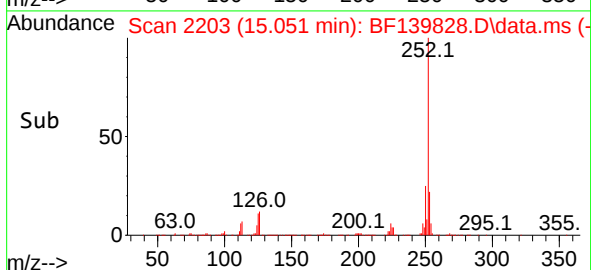
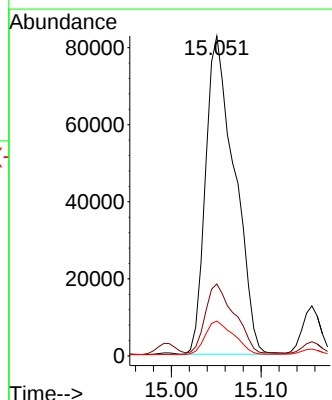
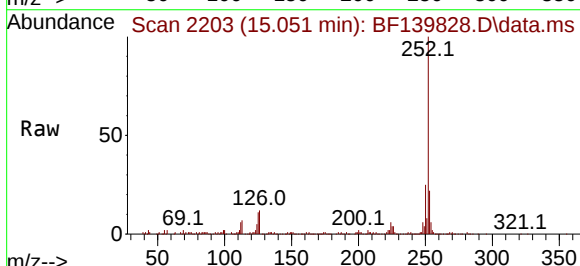
Tgt Ion:252 Resp: 184944

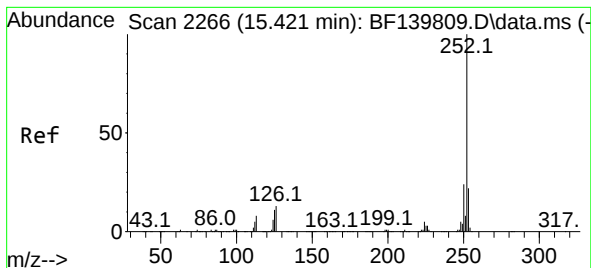
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.9 7.7 11.5





#90

Benzo(a)pyrene

Concen: 14.463 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

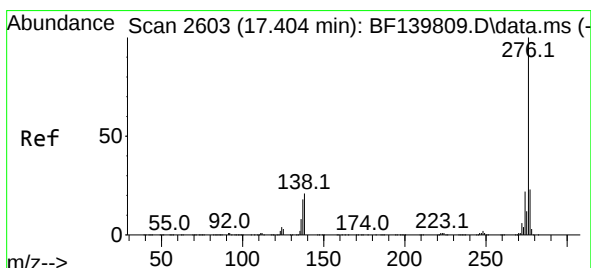
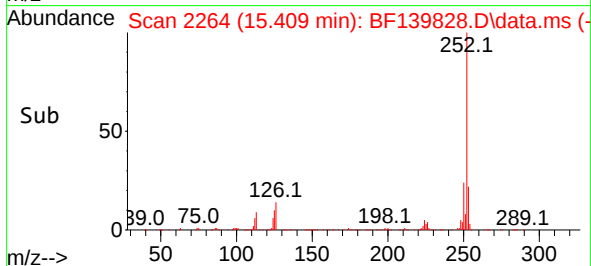
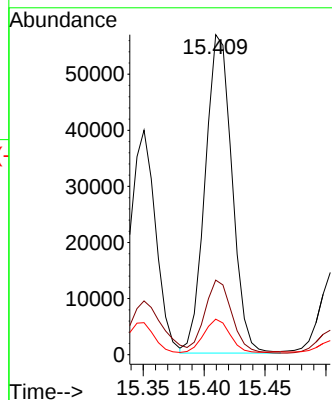
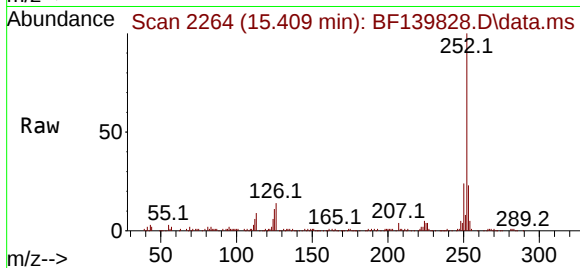
Tgt Ion:252 Resp: 86924

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 11.1 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 5.367 ng

RT: 17.380 min Scan# 2599

Delta R.T. -0.024 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Tgt Ion:276 Resp: 37081

Ion Ratio Lower Upper

276 100

277 25.5 18.2 27.4

138 22.2 17.0 25.4

