

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139403.D
 Acq On : 17 Sep 2024 15:41
 Operator : RC/JU
 Sample : P3980-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224DL

Quant Time: Sep 17 16:12:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

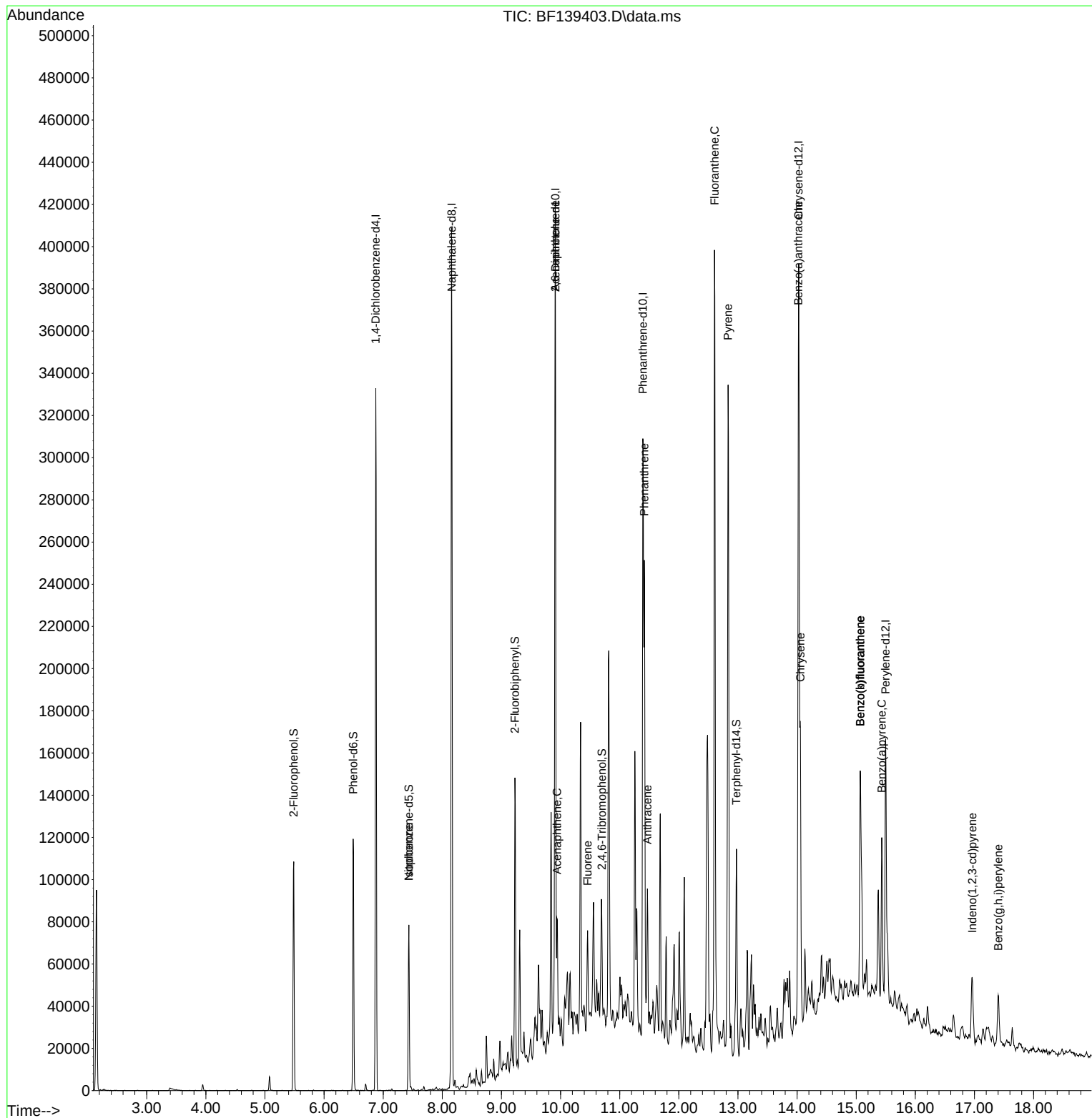
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63388	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	230117	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	109735	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	143012	20.000	ng	0.00
76) Chrysene-d12	14.027	240	108345	20.000	ng	0.00
86) Perylene-d12	15.498	264	69331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	34940	8.992	ng	0.00
7) Phenol-d6	6.492	99	45814	8.983	ng	-0.01
23) Nitrobenzene-d5	7.434	82	31459	6.427	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	7354	6.295	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	56104	7.171	ng	0.00
79) Terphenyl-d14	12.974	244	39204	5.939	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	31465	4.065	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14761	9.251	ng	# 16
52) Acenaphthene	9.939	154	15625	2.356	ng	97
58) Fluorene	10.457	166	15268	2.025	ng	96
71) Phenanthrene	11.416	178	110191	15.970	ng	100
72) Anthracene	11.469	178	34905	5.174	ng	99
75) Fluoranthene	12.604	202	211482	28.701	ng	99
78) Pyrene	12.833	202	177620	19.093	ng	98
81) Benzo(a)anthracene	14.021	228	93824	13.073	ng	99
83) Chrysene	14.057	228	68715	10.407	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	21616	5.243	ng	98
88) Benzo(b)fluoranthene	15.068	252	89751	20.990	ng	96
89) Benzo(k)fluoranthene	15.068	252	89751	22.765	ng	# 95
90) Benzo(a)pyrene	15.433	252	44383	12.516	ng	97
92) Benzo(g,h,i)perylene	17.404	276	23544	6.980	ng	96

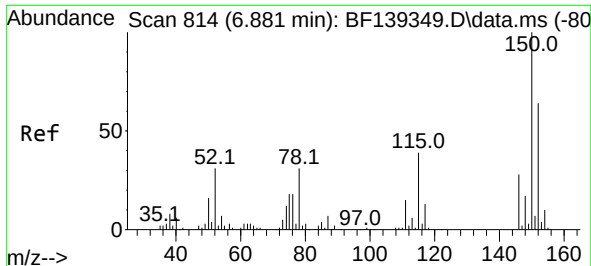
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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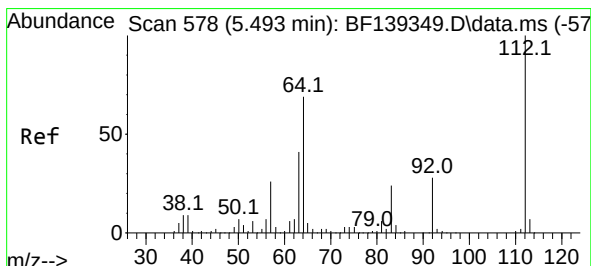
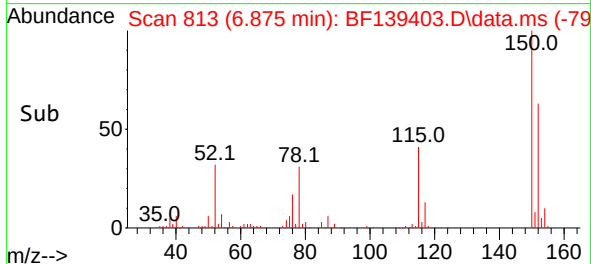
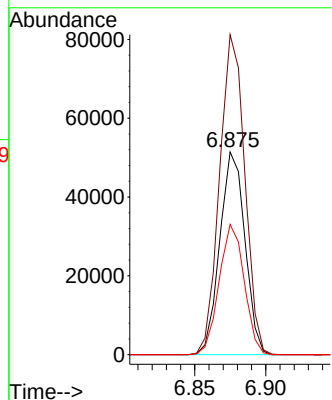
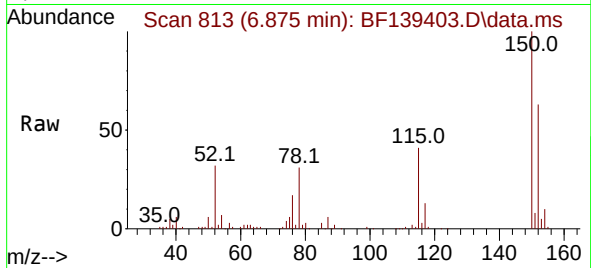




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

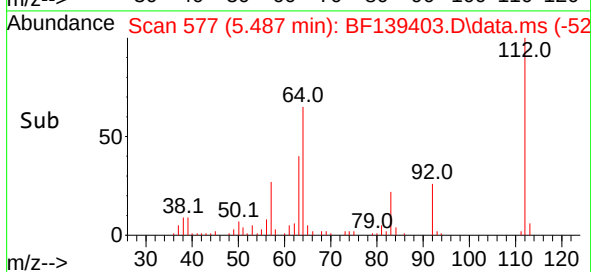
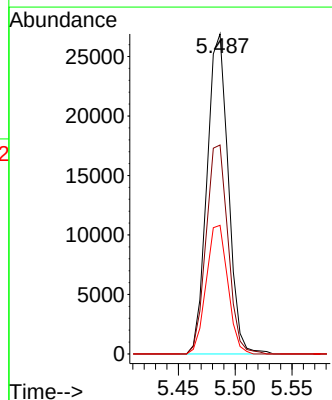
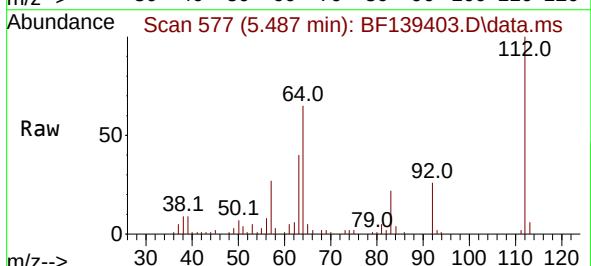
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

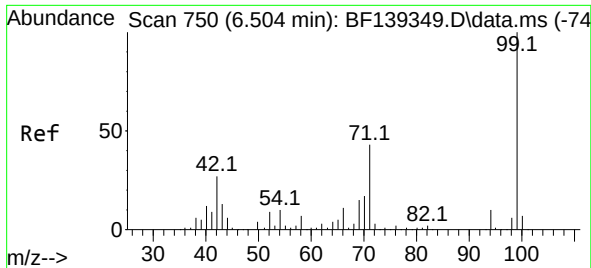
Tgt Ion:152 Resp: 63388
Ion Ratio Lower Upper
152 100
150 157.9 124.1 186.1
115 64.2 48.1 72.1



#5
2-Fluorophenol
Concen: 8.992 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion:112 Resp: 34940
Ion Ratio Lower Upper
112 100
64 65.3 54.8 82.2
63 40.2 33.0 49.4

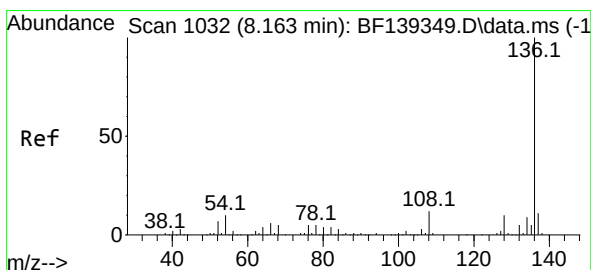
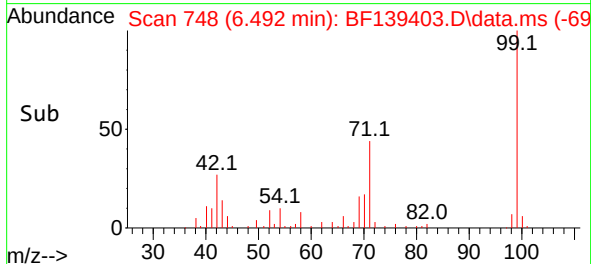
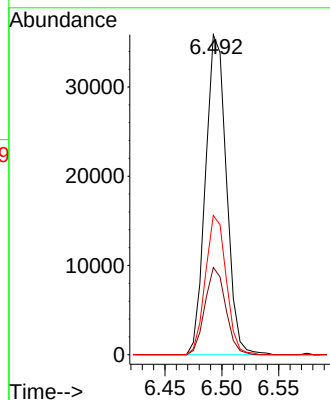
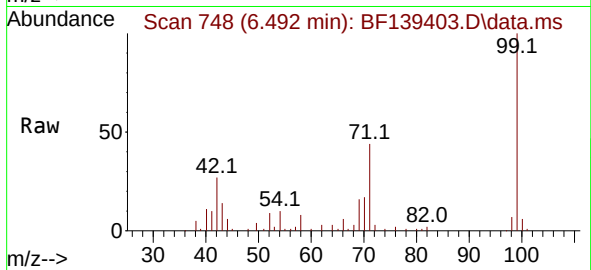




#7
Phenol-d6
Concen: 8.983 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

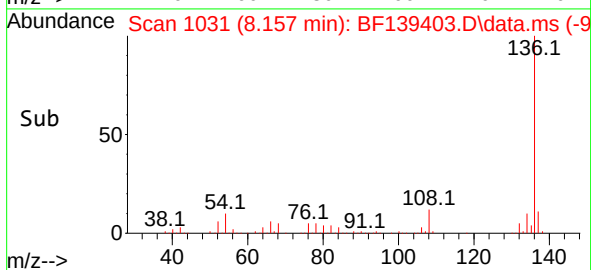
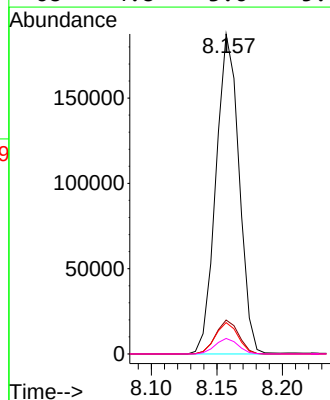
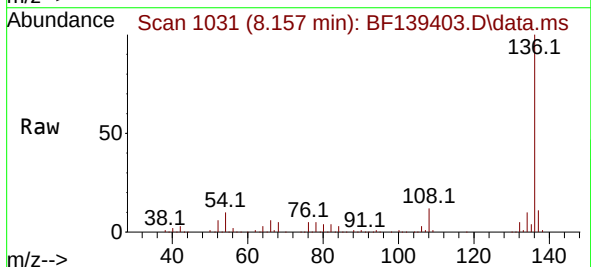
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

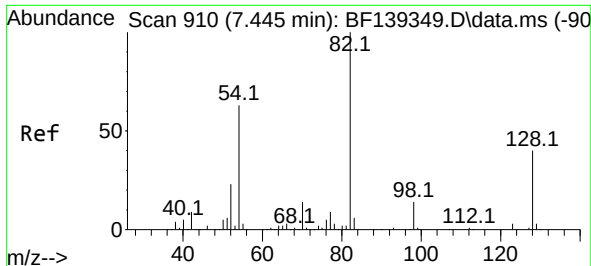
Tgt Ion: 99 Resp: 45814
Ion Ratio Lower Upper
99 100
42 27.2 21.9 32.9
71 43.5 34.6 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion: 136 Resp: 230117
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.8 7.8 11.8
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 6.427 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

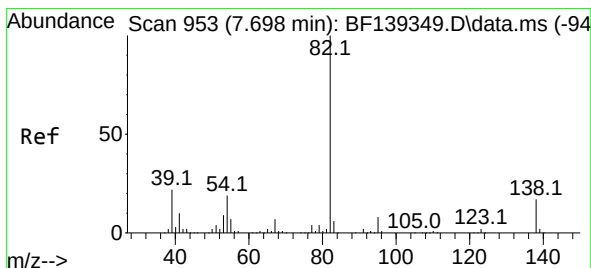
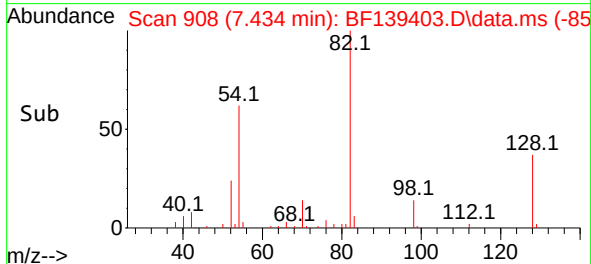
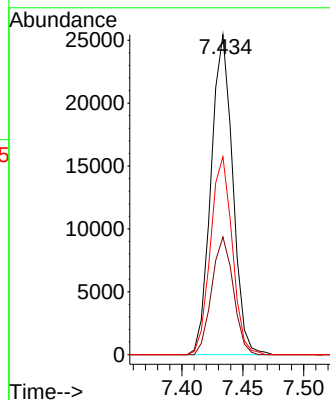
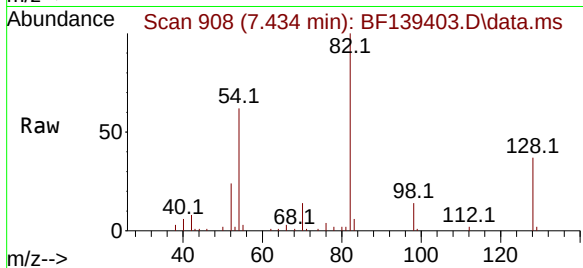
Tgt Ion: 82 Resp: 31459

Ion Ratio Lower Upper

82 100

128 36.8 31.8 47.6

54 61.8 50.6 75.8



#25

Isophorone

Concen: 4.065 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

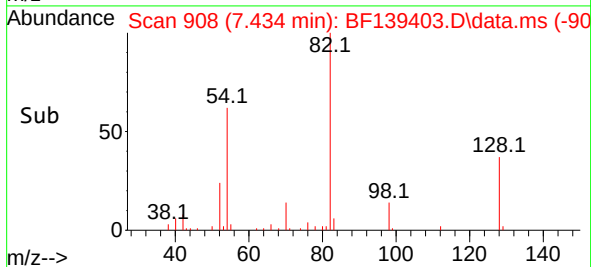
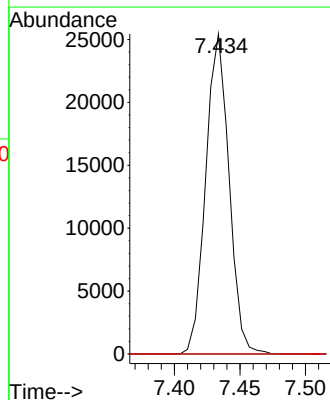
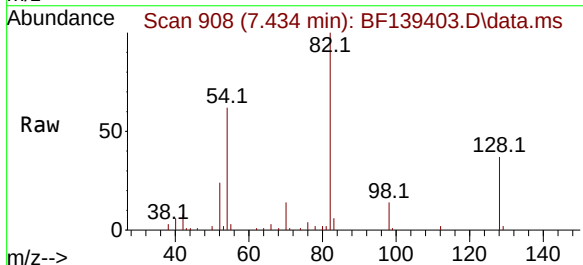
Tgt Ion: 82 Resp: 31465

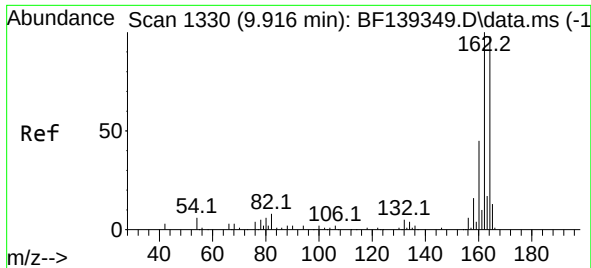
Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

138 0.0 13.3 19.9#

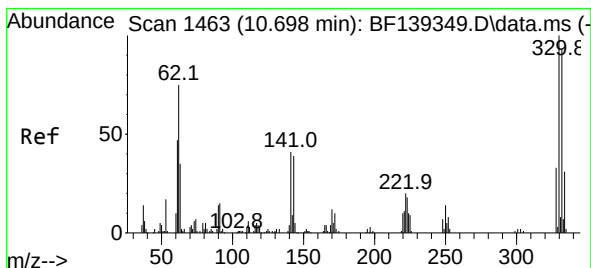
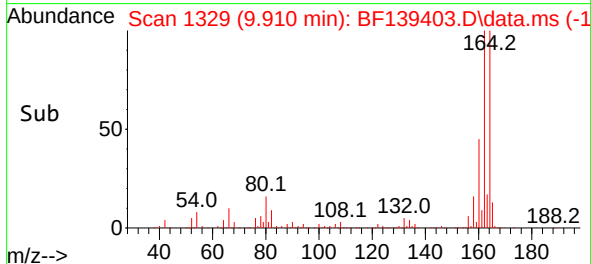
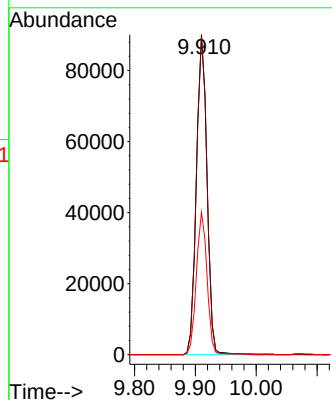
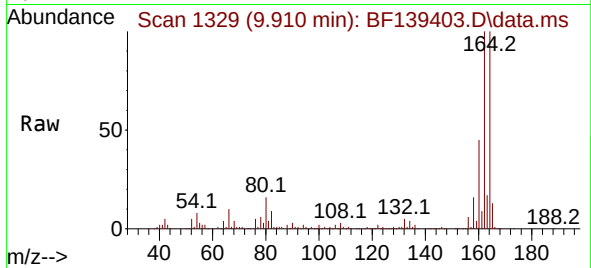




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

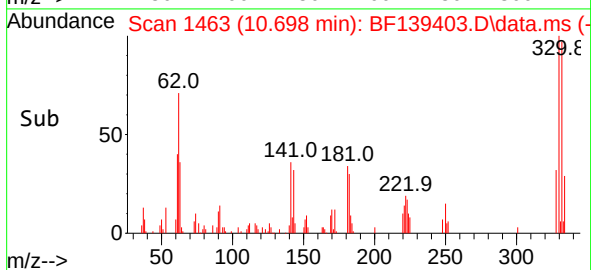
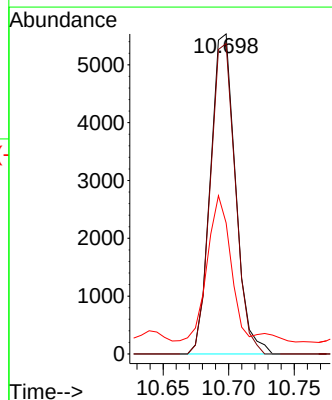
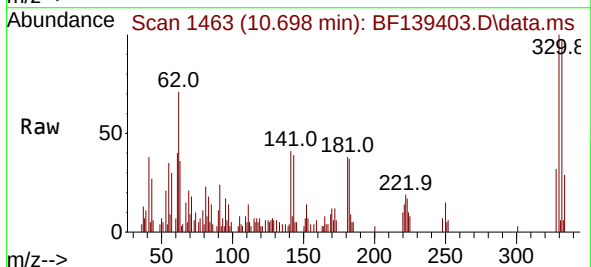
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

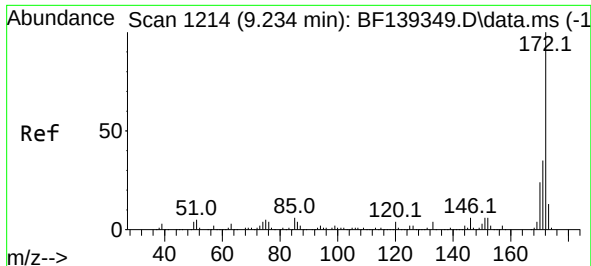
Tgt Ion:164 Resp: 109735
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 44.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 6.295 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion:330 Resp: 7354
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 42.7 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 7.171 ng

RT: 9.228 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

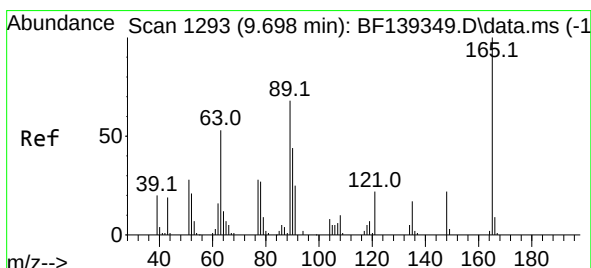
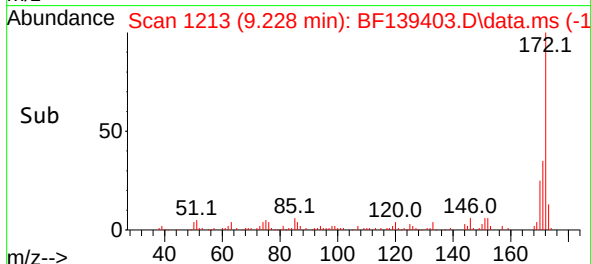
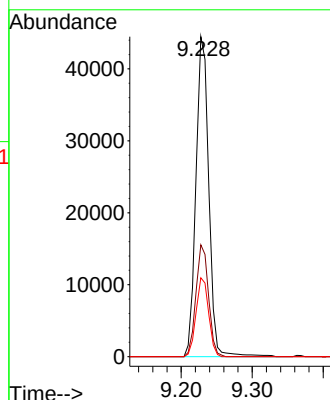
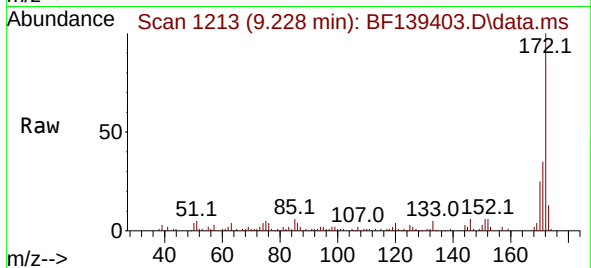
Tgt Ion:172 Resp: 56104

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 24.7 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.251 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

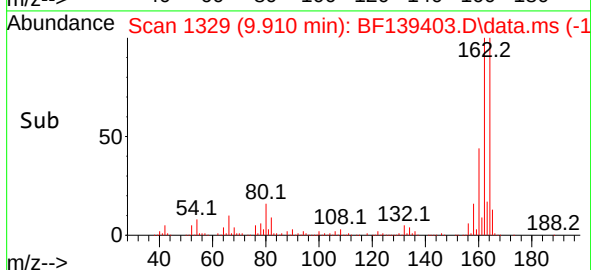
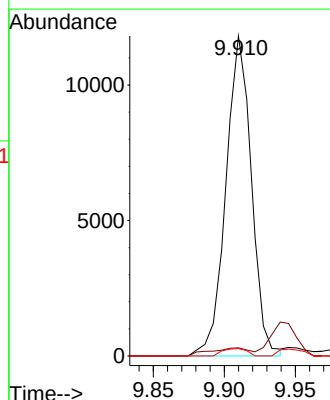
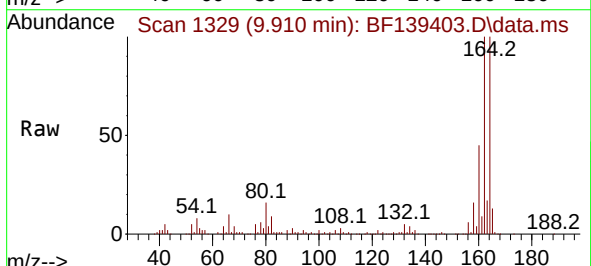
Tgt Ion:165 Resp: 14761

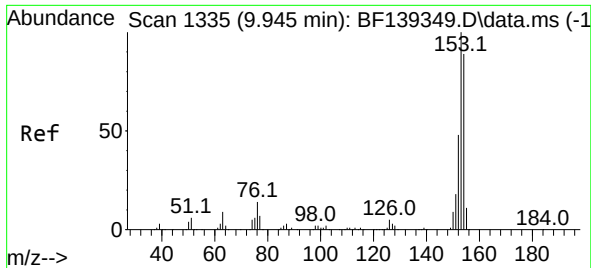
Ion Ratio Lower Upper

165 100

63 2.6 60.9 91.3#

89 2.3 54.7 82.1#





#52

Acenaphthene

Concen: 2.356 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

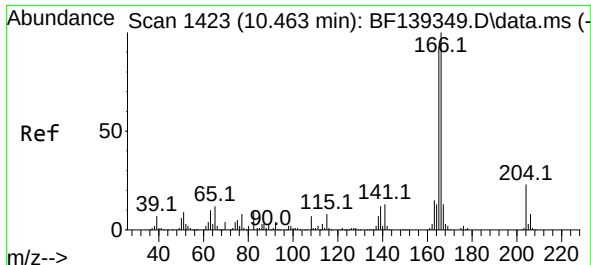
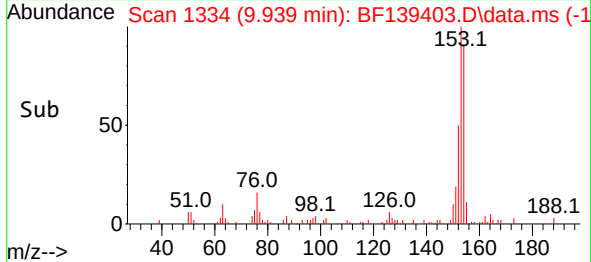
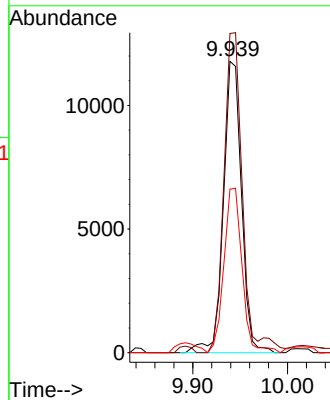
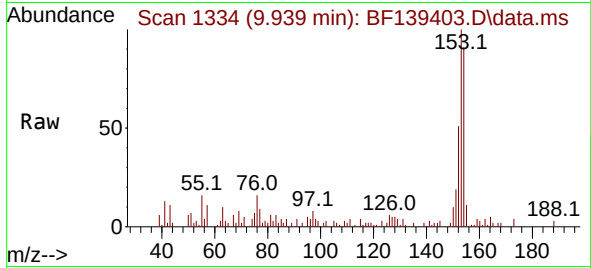
Tgt Ion:154 Resp: 15625

Ion Ratio Lower Upper

154 100

153 109.6 89.5 134.3

152 56.1 42.6 64.0



#58

Fluorene

Concen: 2.025 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

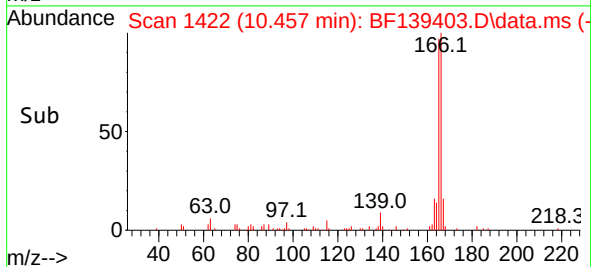
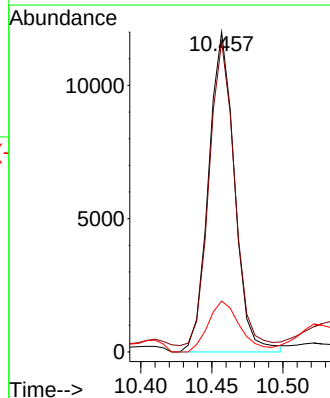
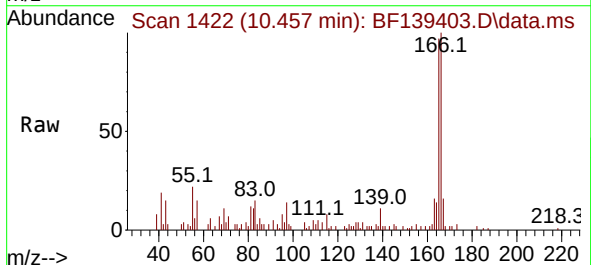
Tgt Ion:166 Resp: 15268

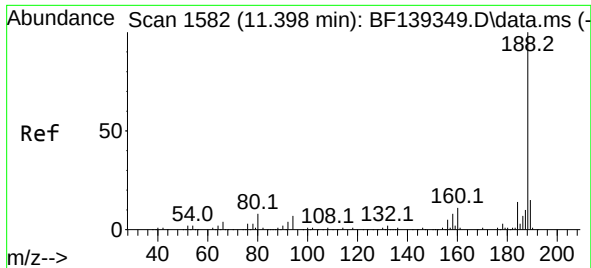
Ion Ratio Lower Upper

166 100

165 97.0 74.5 111.7

167 15.9 10.6 16.0

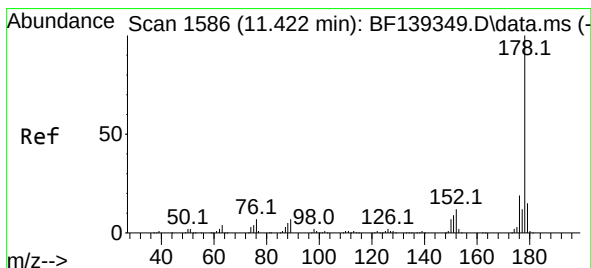
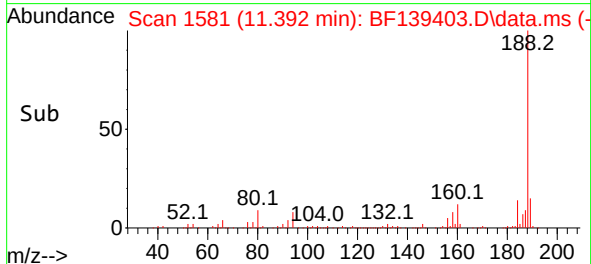
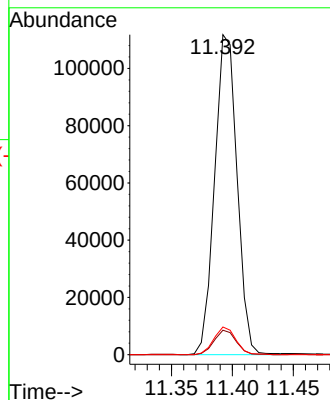
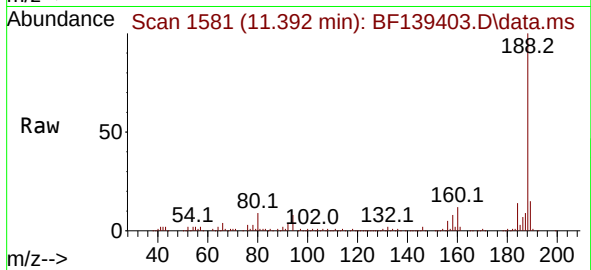




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

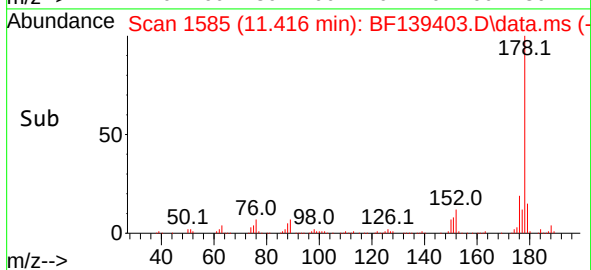
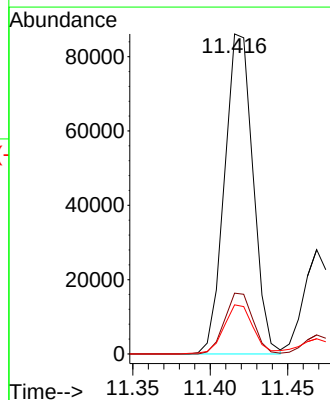
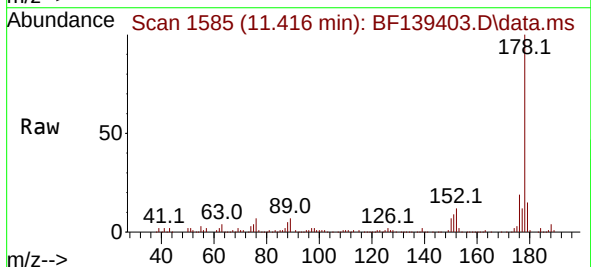
Instrument :
BNA_F
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HD-02-091224DL

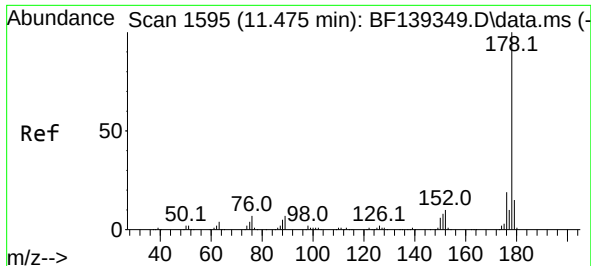
Tgt Ion:188 Resp: 143012
Ion Ratio Lower Upper
188 100
94 7.6 5.5 8.3
80 8.7 6.6 9.8



#71
Phenanthrene
Concen: 15.970 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion:178 Resp: 110191
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.4 12.2 18.4

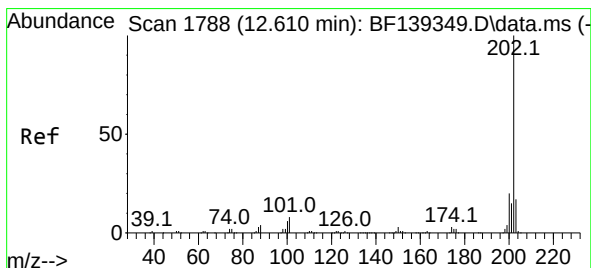
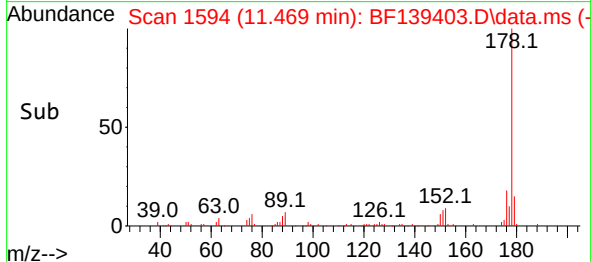
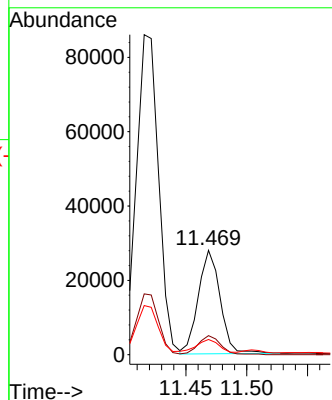
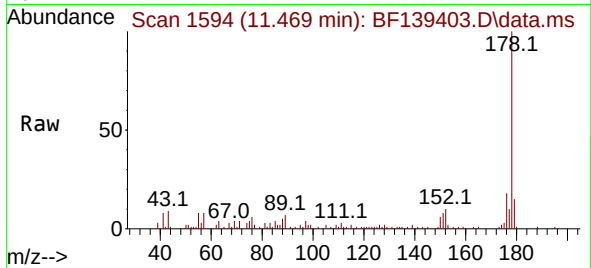




#72
 Anthracene
 Concen: 5.174 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139403.D
 Acq: 17 Sep 2024 15:41

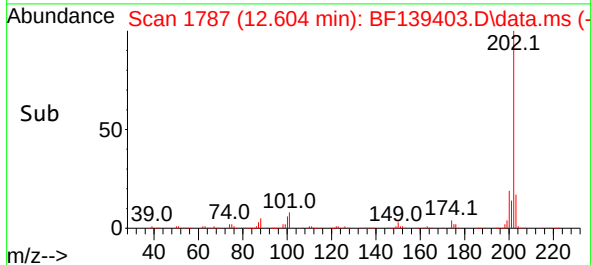
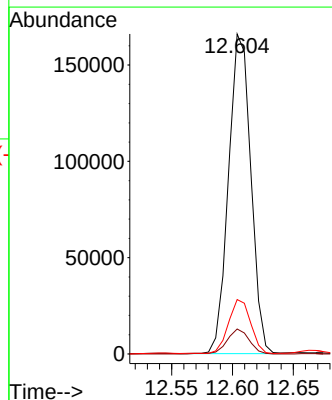
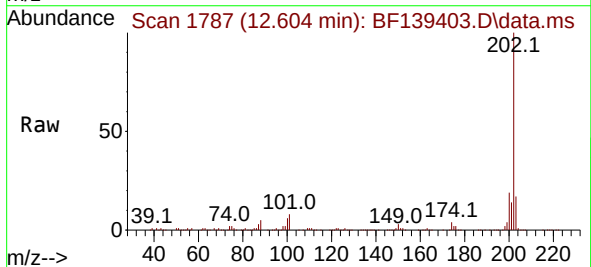
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224DL

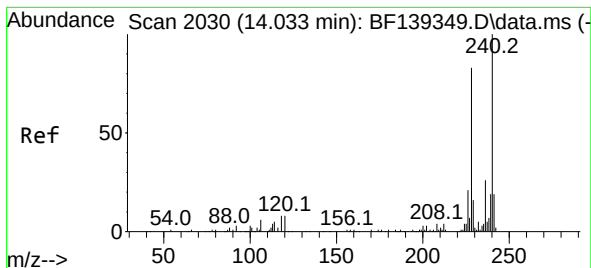
Tgt Ion:178 Resp: 34905
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 14.6 12.0 18.0



#75
 Fluoranthene
 Concen: 28.701 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF139403.D
 Acq: 17 Sep 2024 15:41

Tgt Ion:202 Resp: 211482
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 27.7
 203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

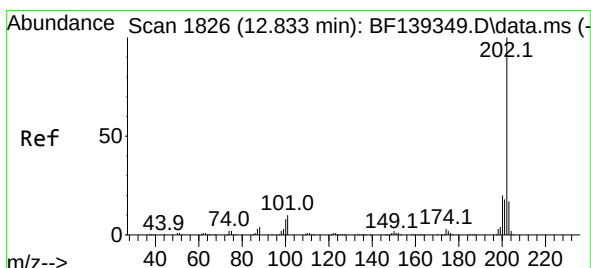
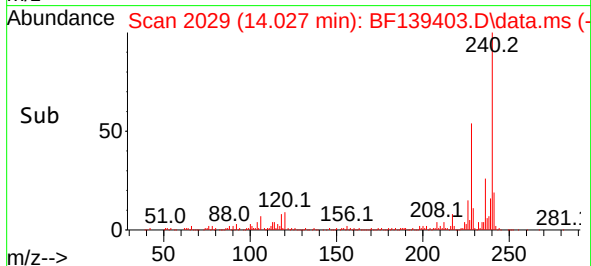
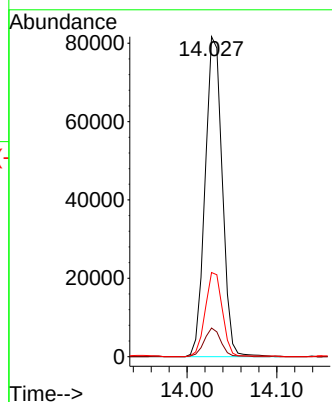
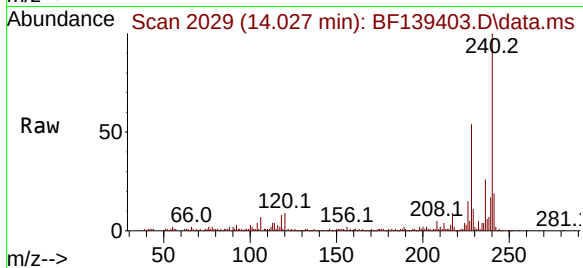
Tgt Ion:240 Resp: 108345

Ion Ratio Lower Upper

240 100

120 8.9 6.2 9.2

236 26.3 20.9 31.3



#78

Pyrene

Concen: 19.093 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

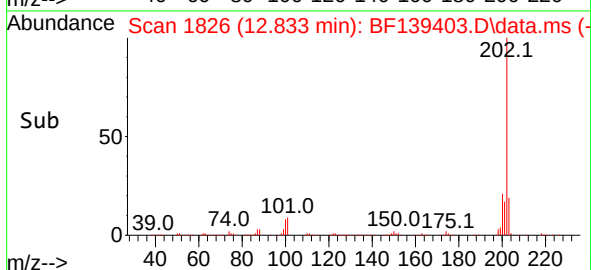
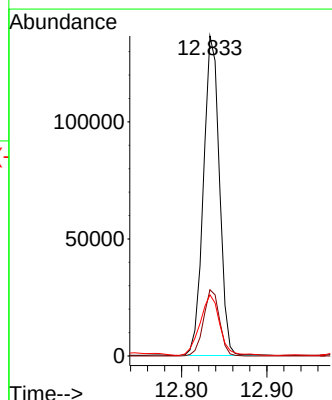
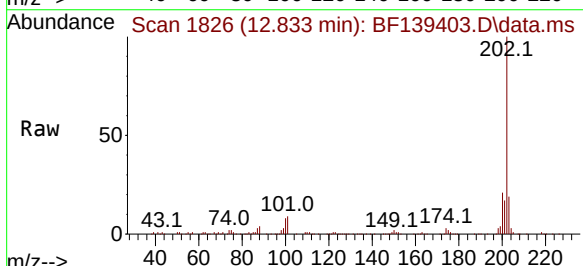
Tgt Ion:202 Resp: 177620

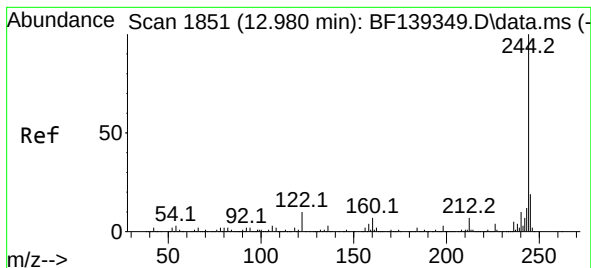
Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

203 19.1 13.9 20.9





#79

Terphenyl-d14

Concen: 5.939 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

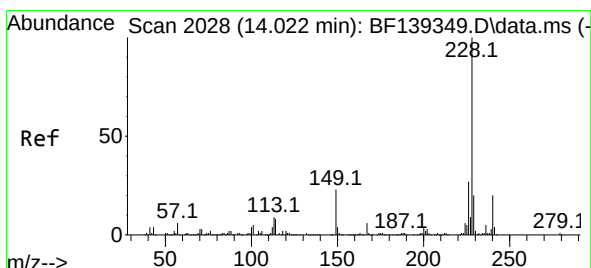
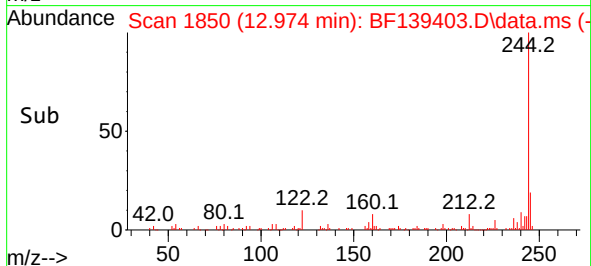
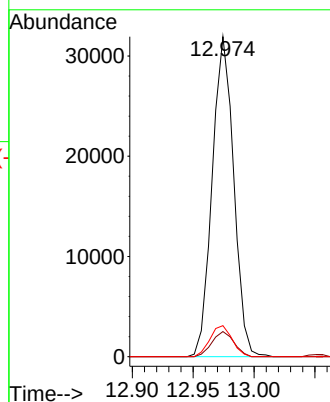
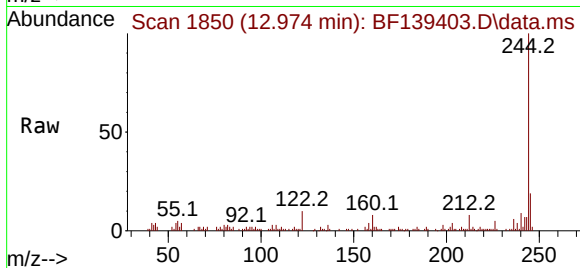
Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

Tgt Ion:244	Resp:	39204
Ion Ratio	Lower	Upper
244	100	
212	7.9	6.0 9.0
122	9.7	7.6 11.4



#81

Benzo(a)anthracene

Concen: 13.073 ng

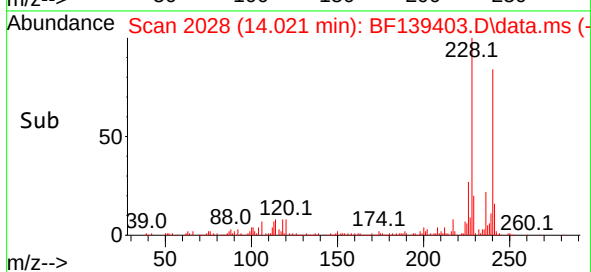
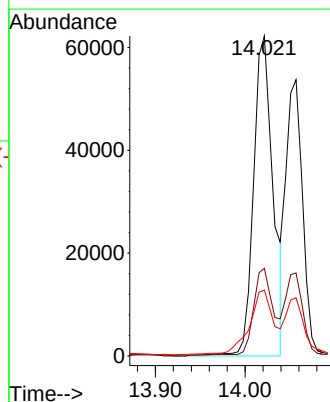
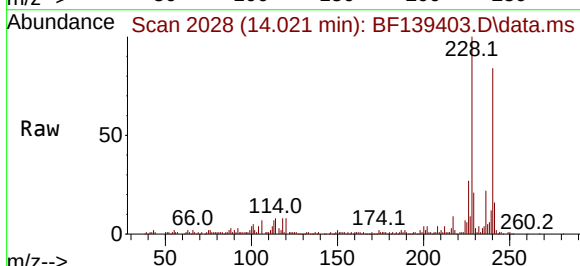
RT: 14.021 min Scan# 2028

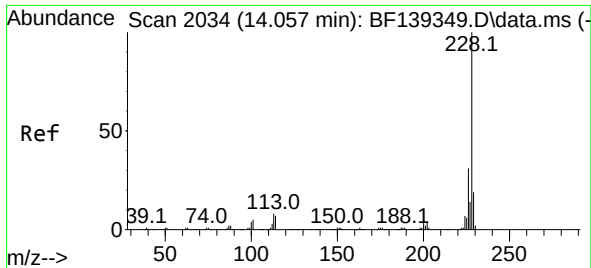
Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

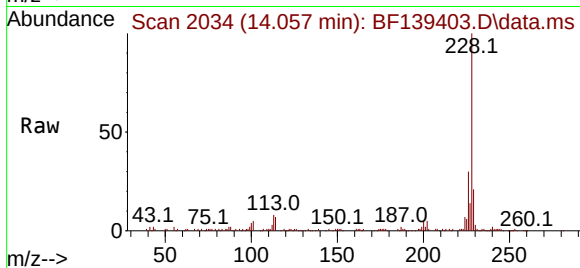
Tgt Ion:228	Resp:	93824
Ion Ratio	Lower	Upper
228	100	
226	27.4	21.6 32.4
229	20.6	15.7 23.5



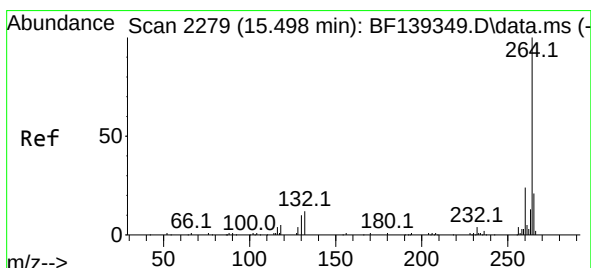
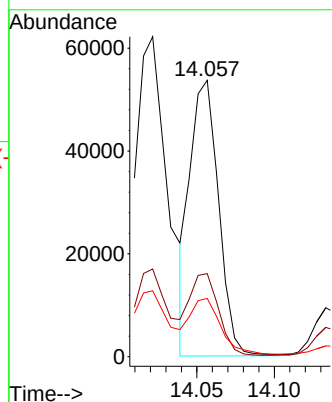
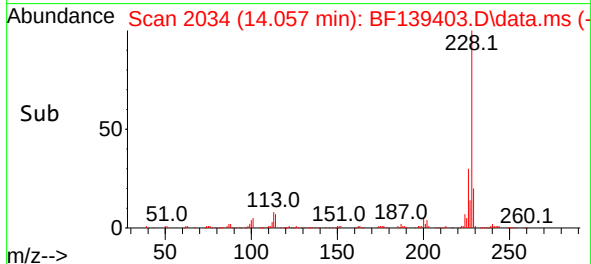


#83
Chrysene
Concen: 10.407 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

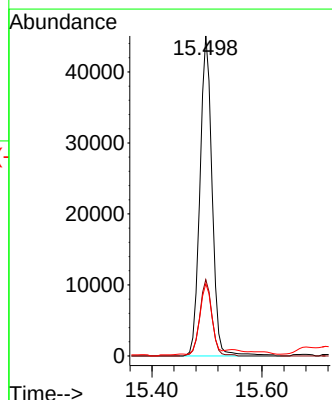
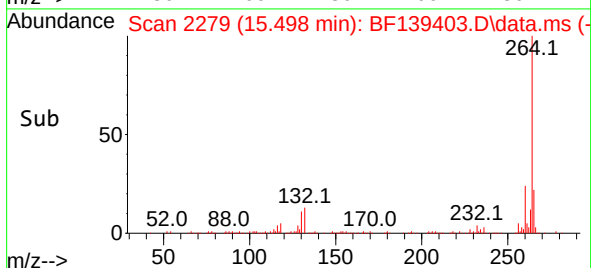
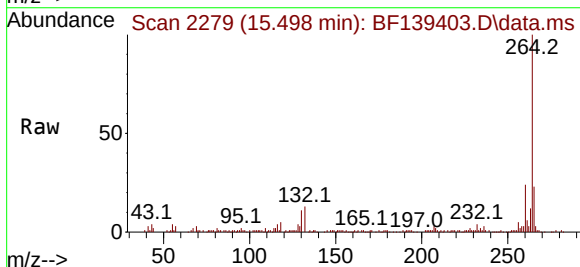


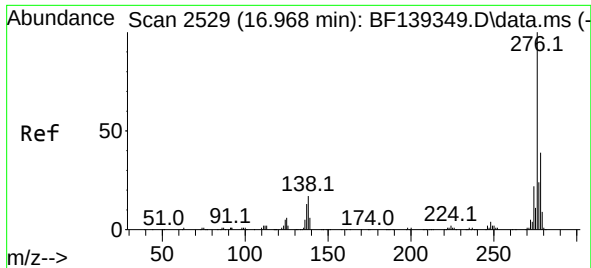
Tgt Ion:228 Resp: 68715
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.1 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion:264 Resp: 69331
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 22.6 16.6 25.0

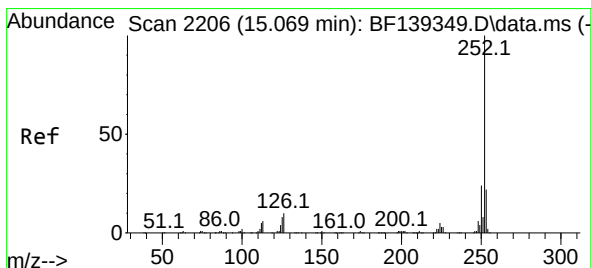
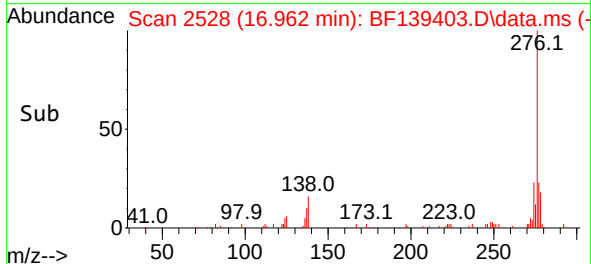
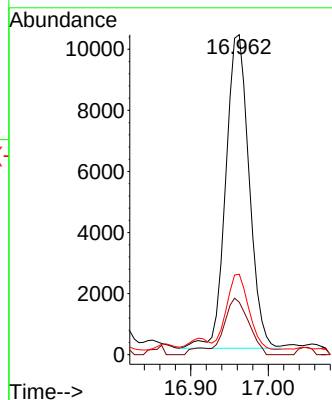
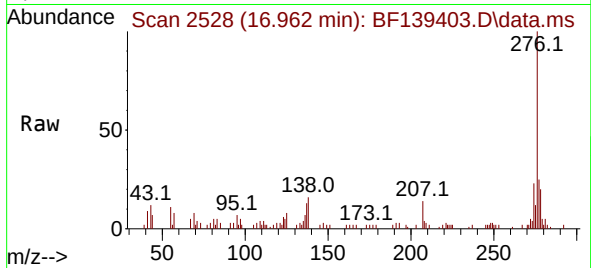




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.243 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

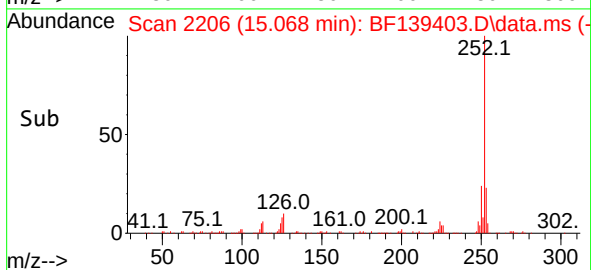
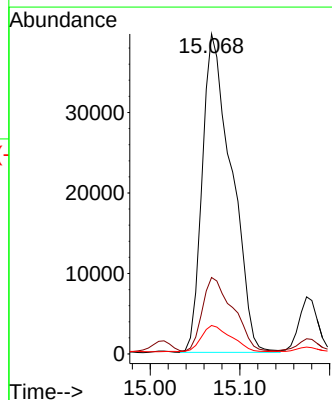
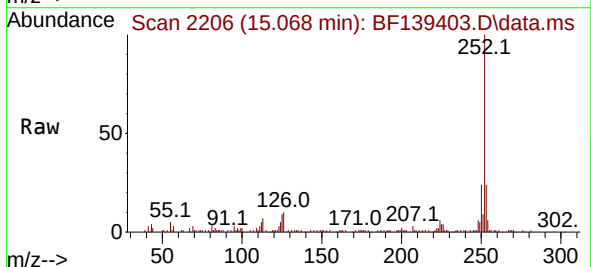
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

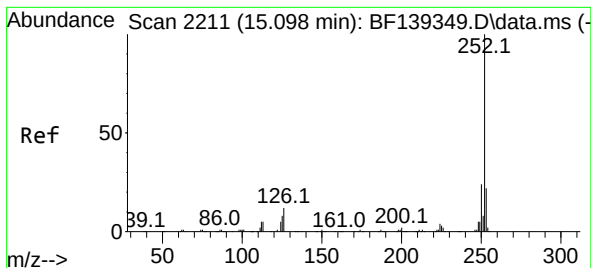
Tgt Ion:276 Resp: 21616
Ion Ratio Lower Upper
276 100
138 18.7 15.4 23.2
277 24.5 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 20.990 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion:252 Resp: 89751
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 8.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 22.765 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

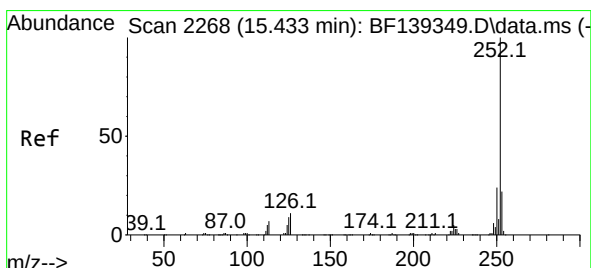
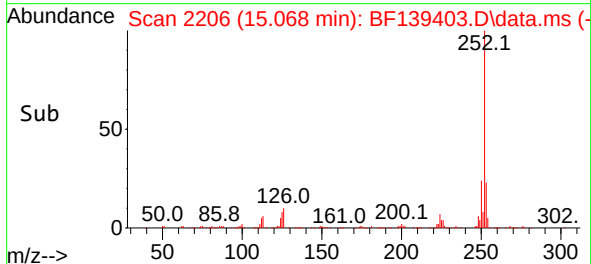
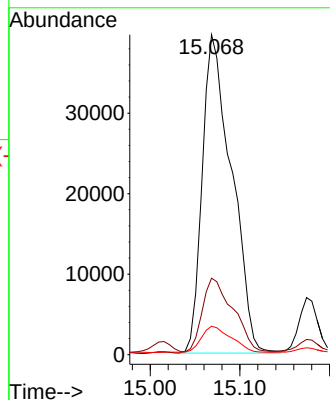
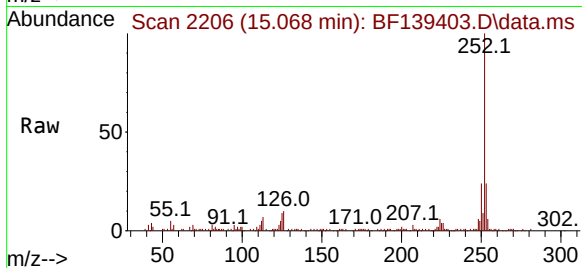
Tgt Ion:252 Resp: 89751

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 8.9 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 12.516 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

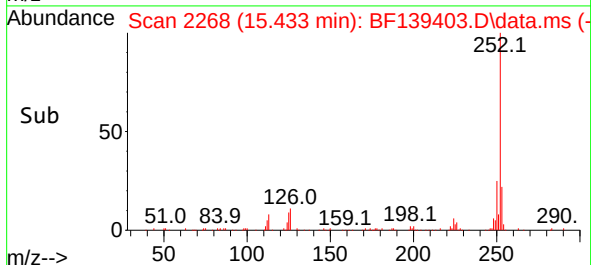
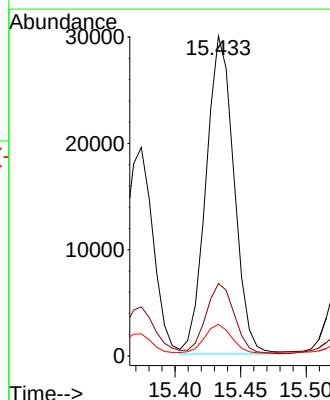
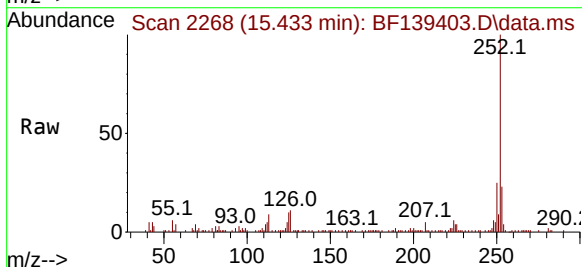
Tgt Ion:252 Resp: 44383

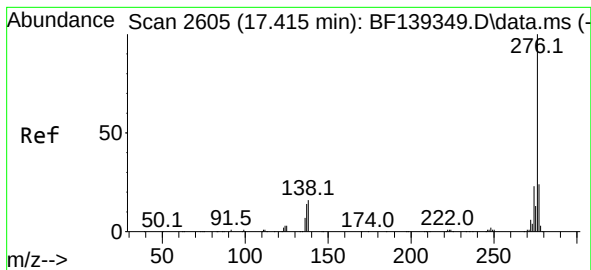
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

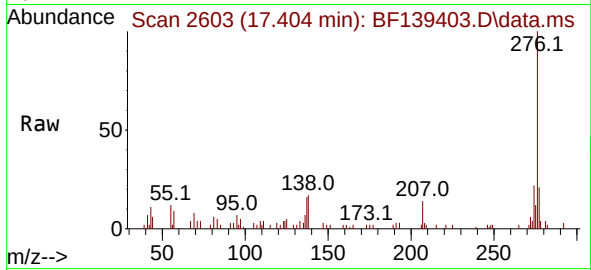
125 9.9 6.8 10.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.980 ng
 RT: 17.404 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139403.D
 Acq: 17 Sep 2024 15:41

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224DL



Tgt Ion:	276	Resp:	23544
Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.9	28.3
138	17.1	13.0	19.6

