

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139541.D
 Acq On : 25 Sep 2024 21:12
 Operator : RC/JU
 Sample : P4167-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-03-09242024

Quant Time: Sep 26 01:29:30 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)

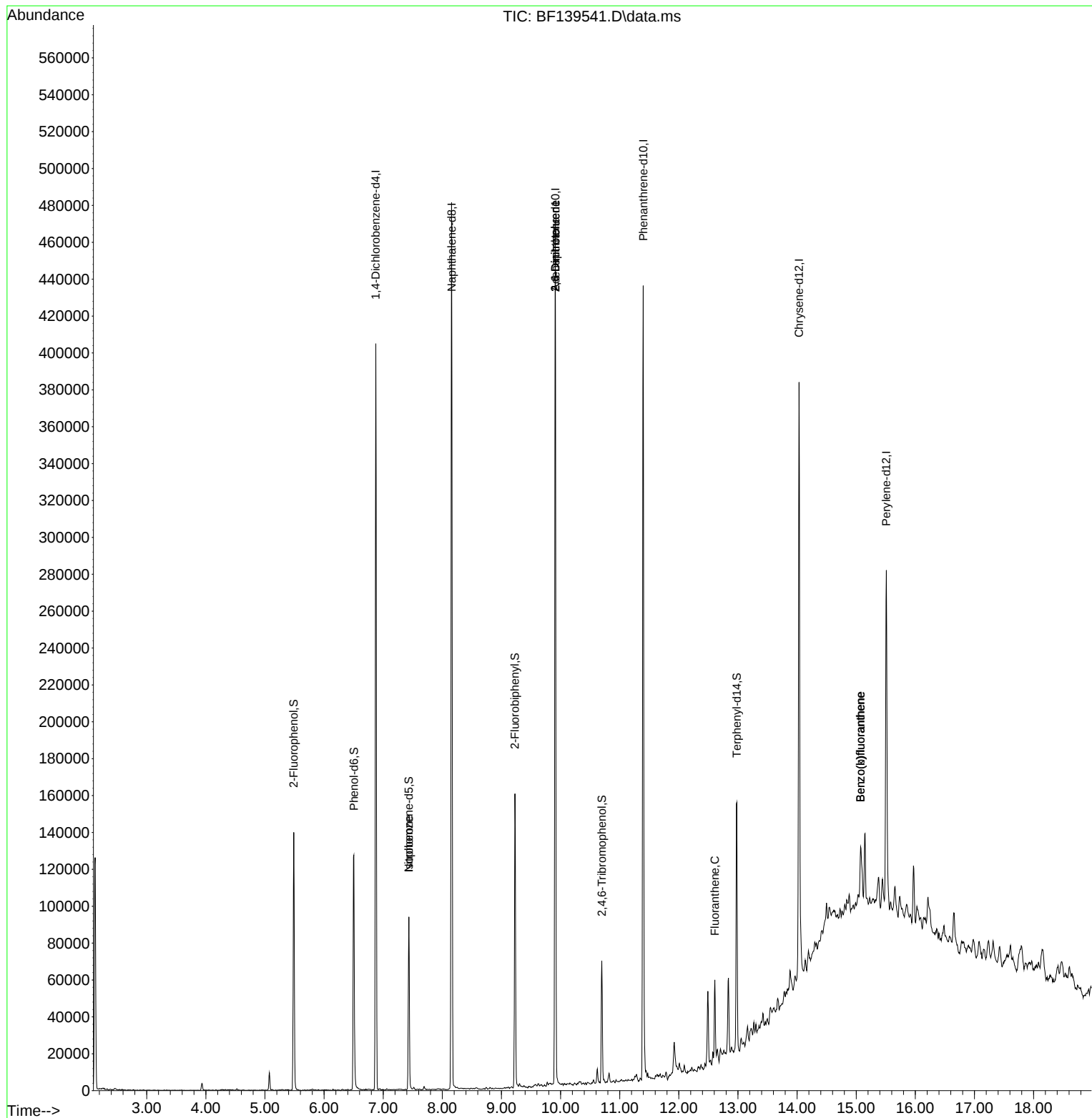
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77103	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	280900	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	135750	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	228752	20.000	ng	0.00
76) Chrysene-d12	14.033	240	145730	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	106819	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	46126	9.759	ng	0.00
7) Phenol-d6	6.504	99	59431	9.580	ng	0.00
23) Nitrobenzene-d5	7.433	82	38304	6.411	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	9752	6.748	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	71353	7.372	ng	0.00
79) Terphenyl-d14	12.980	244	63357	7.136	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.433	82	38303	4.053	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	17151	8.689	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	17151	6.436	ng	# 16
75) Fluoranthene	12.610	202	25255	2.143	ng	99
88) Benzo(b)fluoranthene	15.074	252	20942	3.179	ng	# 85
89) Benzo(k)fluoranthene	15.074	252	20942	3.448	ng	# 84

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

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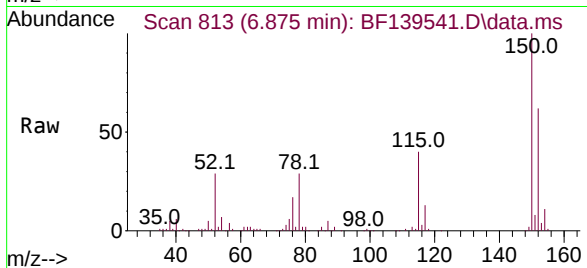
Quant Time: Sep 26 01:29:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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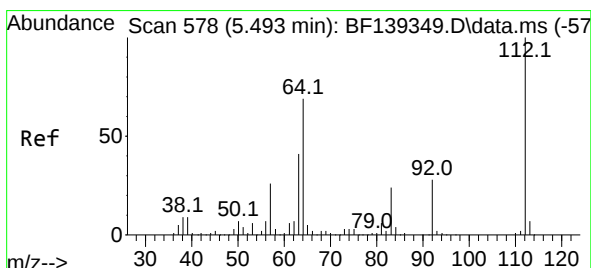
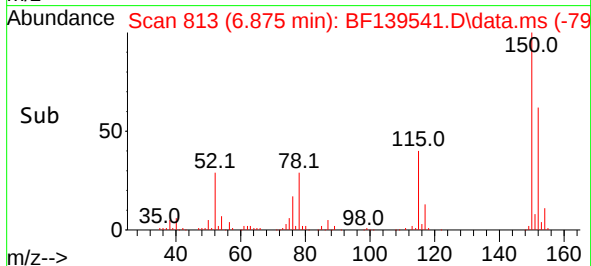
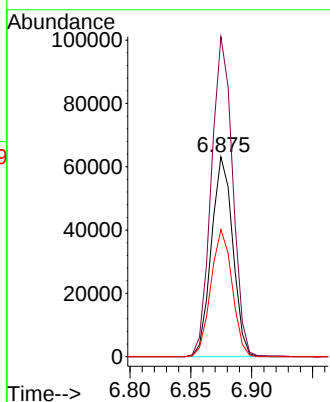


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139541.D
Acq: 25 Sep 2024 21:12

Instrument :
BNA_F
ClientSampleId :
PL-03-09242024

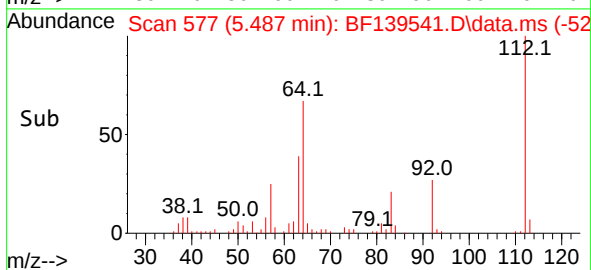
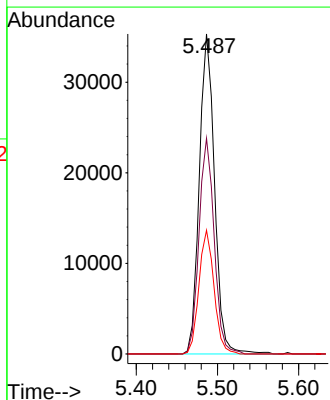
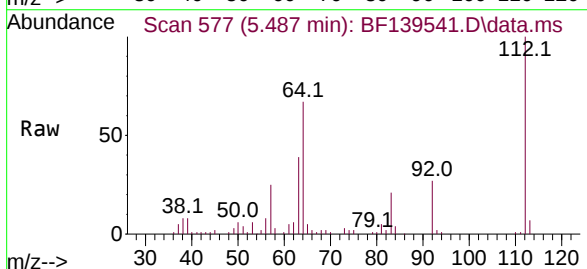


Tgt Ion:152 Resp: 77103
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 63.7 48.1 72.1



#5
2-Fluorophenol
Concen: 9.759 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139541.D
Acq: 25 Sep 2024 21:12

Tgt Ion:112 Resp: 46126
Ion Ratio Lower Upper
112 100
64 67.4 54.8 82.2
63 38.6 33.0 49.4

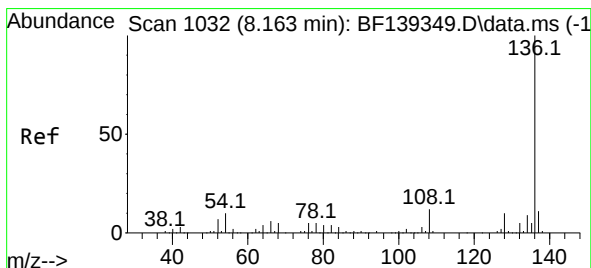
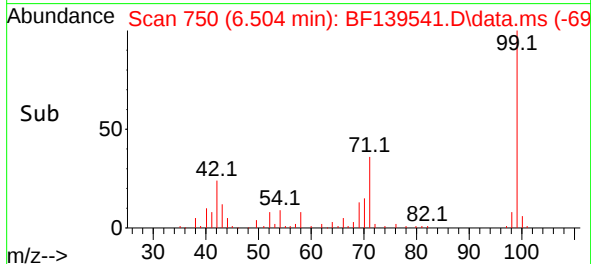
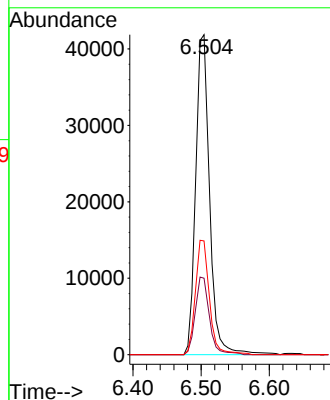
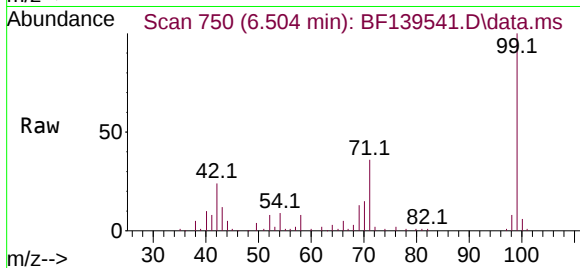




#7
Phenol-d6
Concen: 9.580 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139541.D
Acq: 25 Sep 2024 21:12

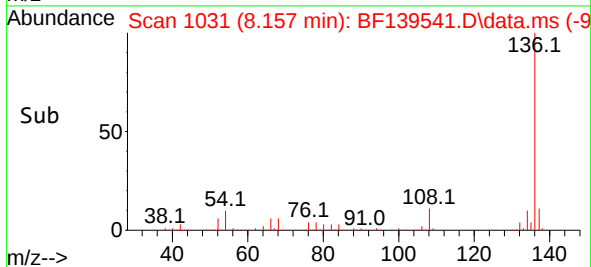
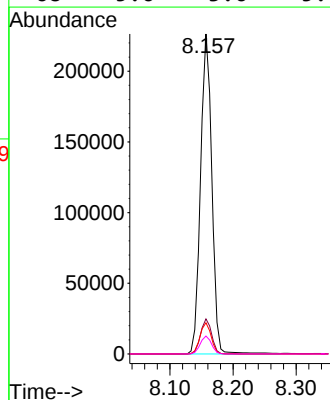
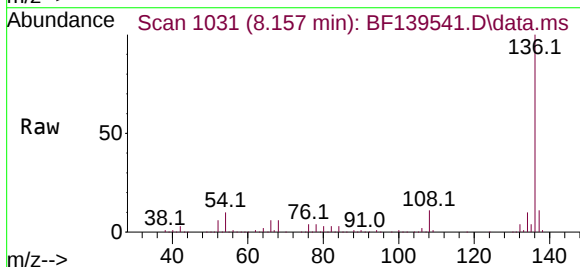
Instrument :
BNA_F
ClientSampleId :
PL-03-09242024

Tgt Ion:	99	Resp:	59431
Ion	Ratio	Lower	Upper
99	100		
42	23.9	21.9	32.9
71	35.6	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: BF139541.D
Acq: 25 Sep 2024 21:12

Tgt Ion:	136	Resp:	280900
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.8	7.8	11.8
68	5.6	3.6	5.4





#23

Nitrobenzene-d5

Concen: 6.411 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

PL-03-09242024

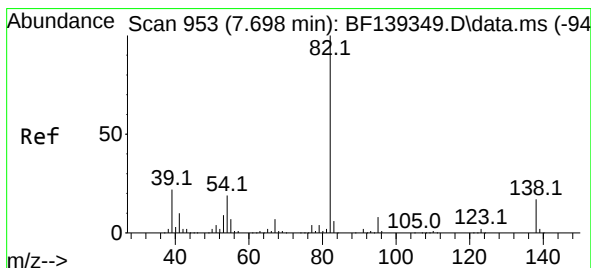
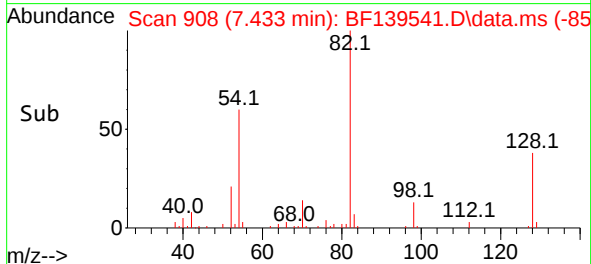
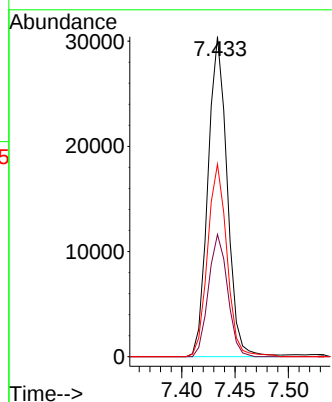
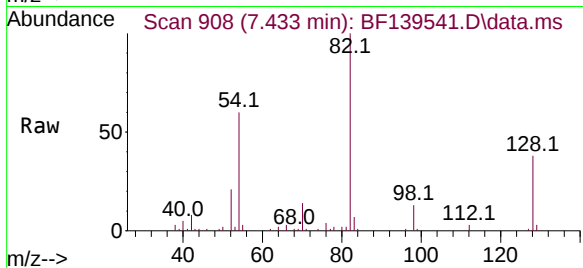
Tgt Ion: 82 Resp: 38304

Ion Ratio Lower Upper

82 100

128 38.2 31.8 47.6

54 60.2 50.6 75.8



#25

Isophorone

Concen: 4.053 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

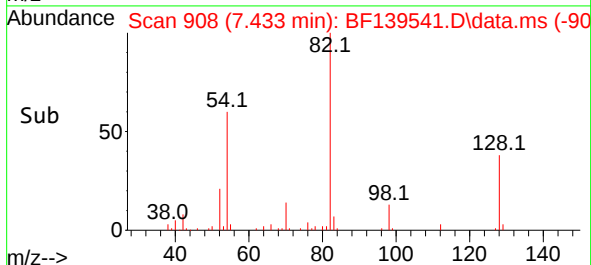
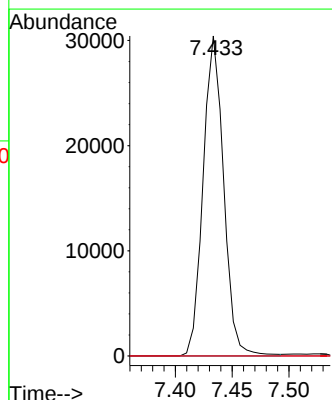
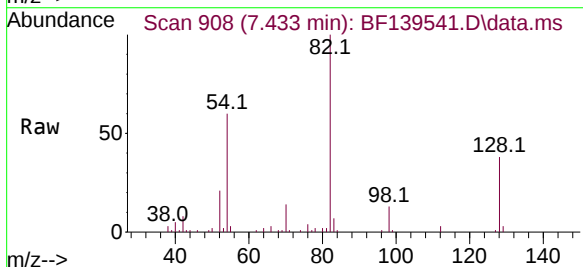
Tgt Ion: 82 Resp: 38303

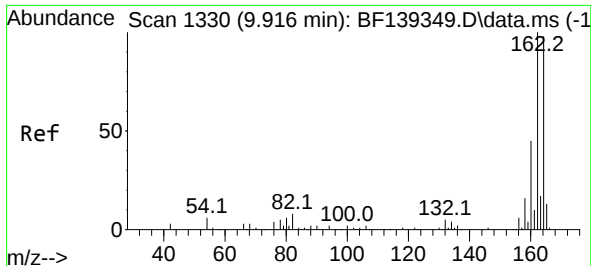
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.006 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

PL-03-09242024

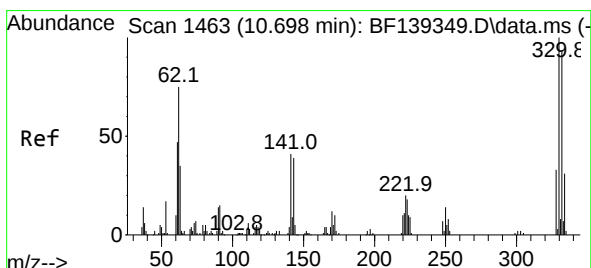
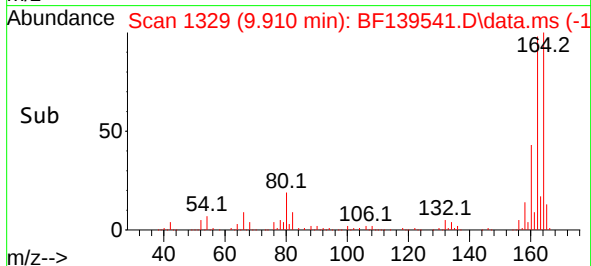
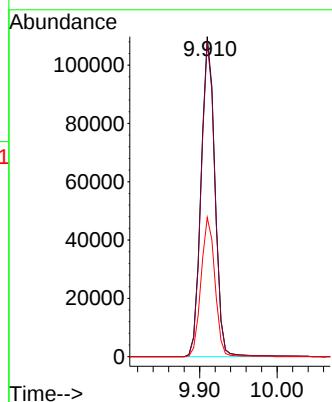
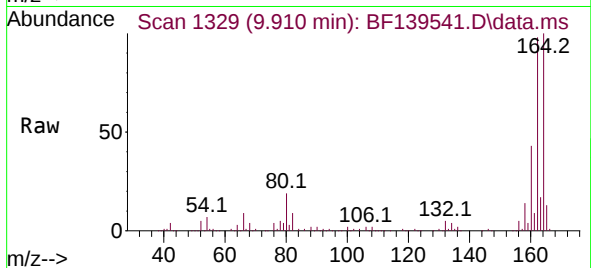
Tgt Ion:164 Resp: 135750

Ion Ratio Lower Upper

164 100

162 98.4 81.3 121.9

160 43.5 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 6.748 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

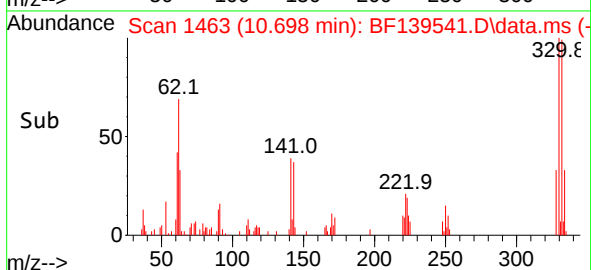
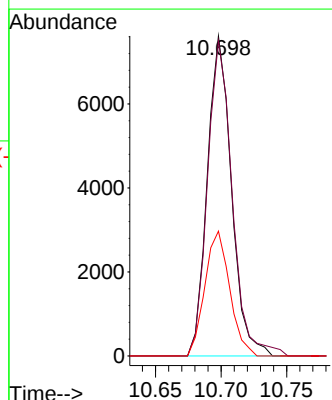
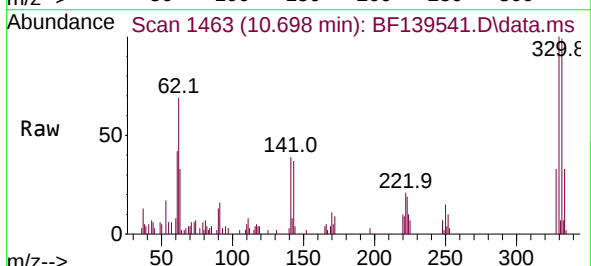
Tgt Ion:330 Resp: 9752

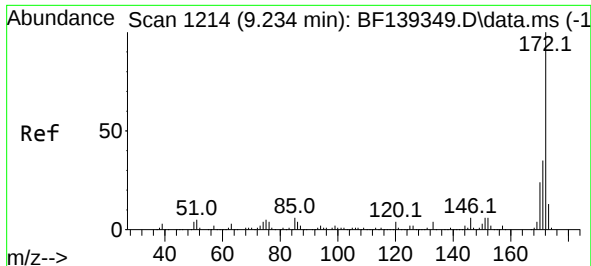
Ion Ratio Lower Upper

330 100

332 100.9 75.2 112.8

141 40.1 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 7.372 ng

RT: 9.227 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

PL-03-09242024

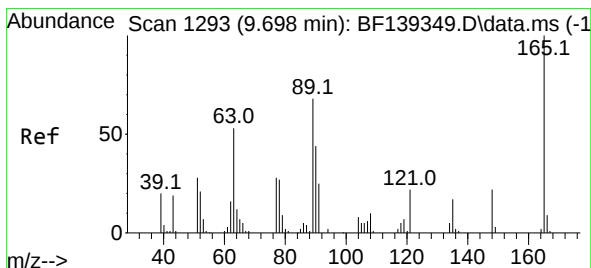
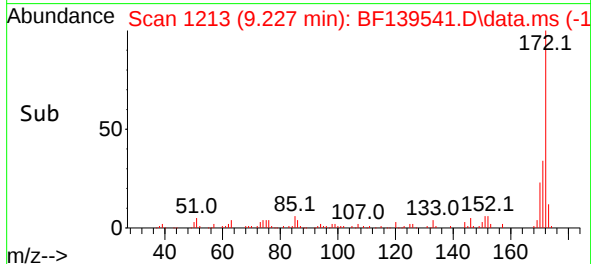
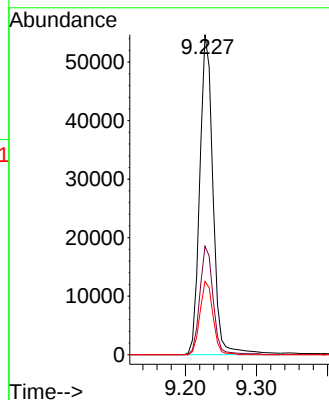
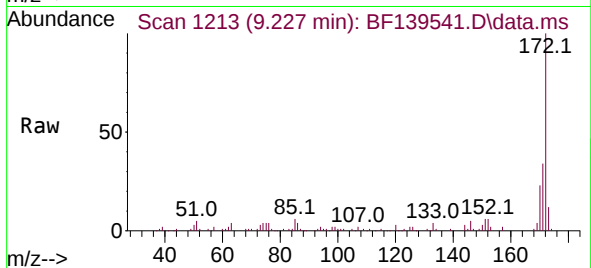
Tgt Ion:172 Resp: 71353

Ion Ratio Lower Upper

172 100

171 33.9 28.3 42.5

170 22.9 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.689 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

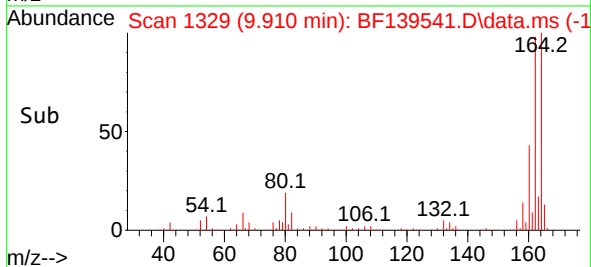
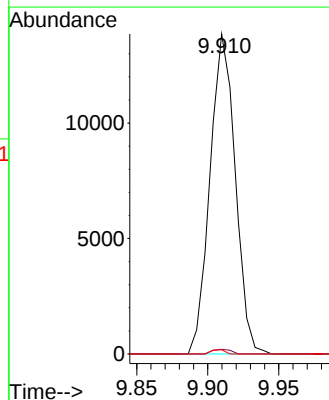
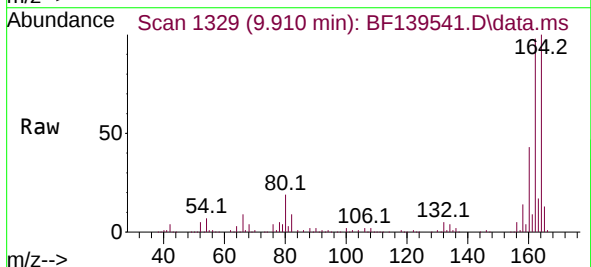
Tgt Ion:165 Resp: 17151

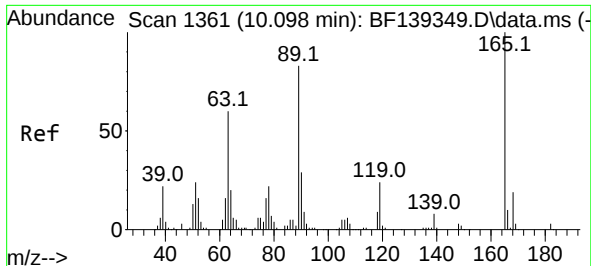
Ion Ratio Lower Upper

165 100

63 1.5 60.9 91.3#

89 1.3 54.7 82.1#

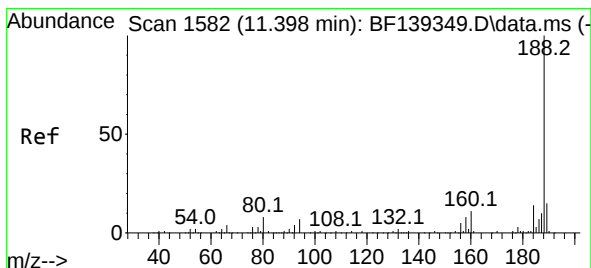
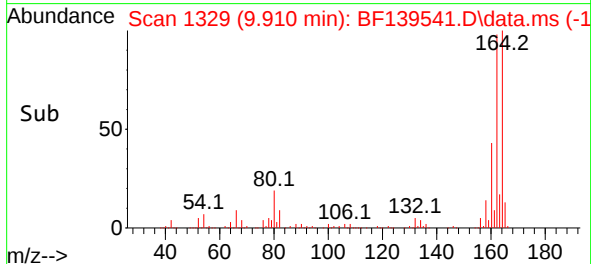
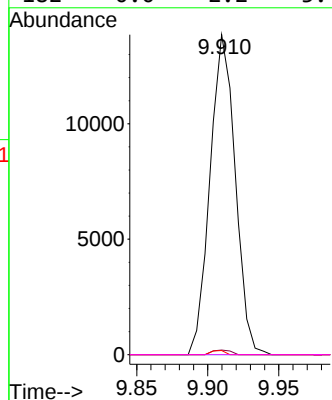
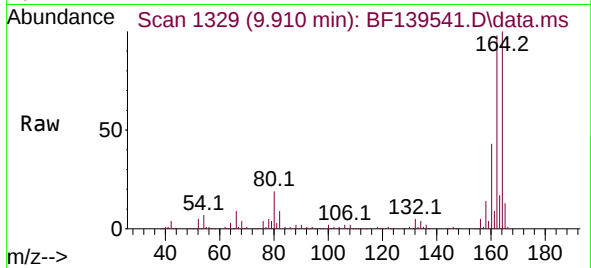




#57
2,4-Dinitrotoluene
Concen: 6.436 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139541.D
Acq: 25 Sep 2024 21:12

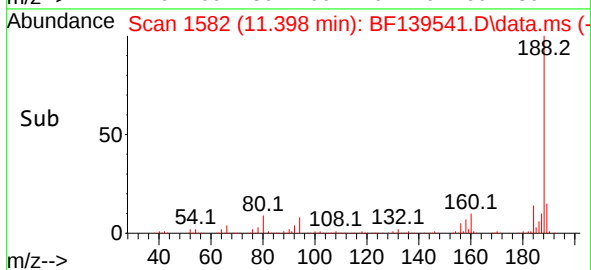
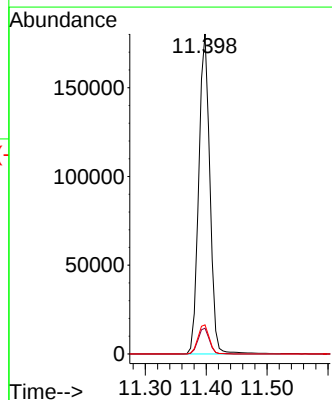
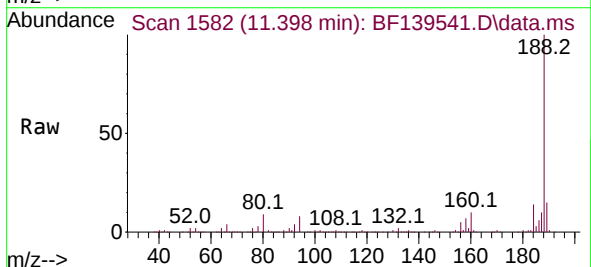
Instrument :
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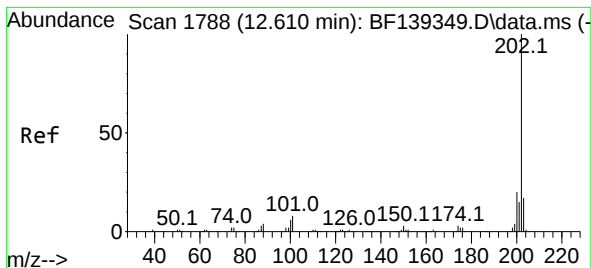
Tgt Ion:165	Resp:	17151
Ion Ratio	Lower	Upper
165	100	
63	1.5	47.8 71.6#
89	1.3	66.7 100.1#
182	0.0	2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139541.D
Acq: 25 Sep 2024 21:12

Tgt Ion:188	Resp:	228752
Ion Ratio	Lower	Upper
188	100	
94	8.1	5.5 8.3
80	9.1	6.6 9.8





#75

Fluoranthene

Concen: 2.143 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

PL-03-09242024

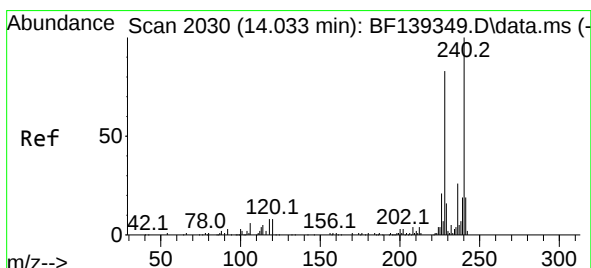
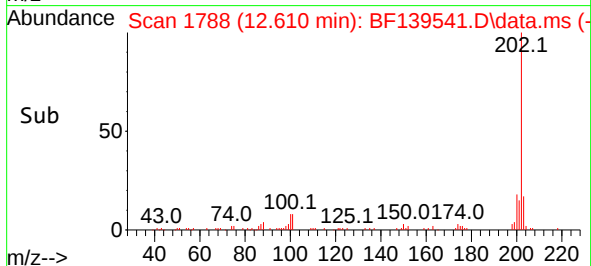
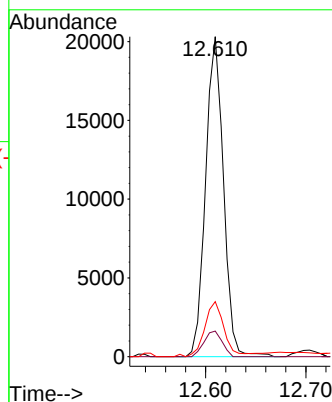
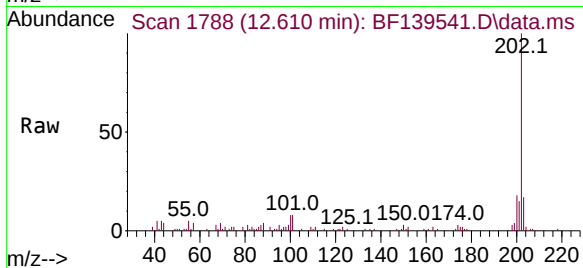
Tgt Ion:202 Resp: 25255

Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.7

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

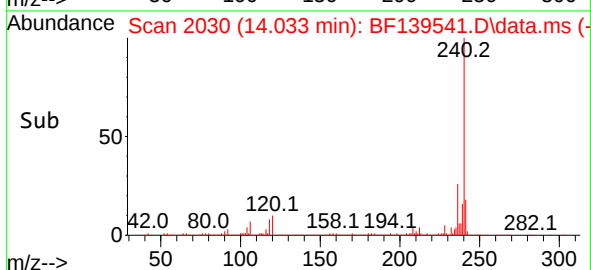
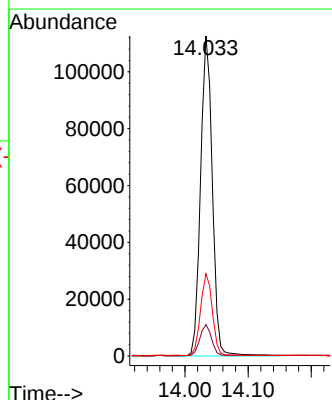
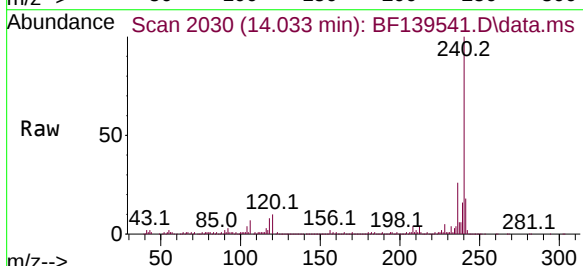
Tgt Ion:240 Resp: 145730

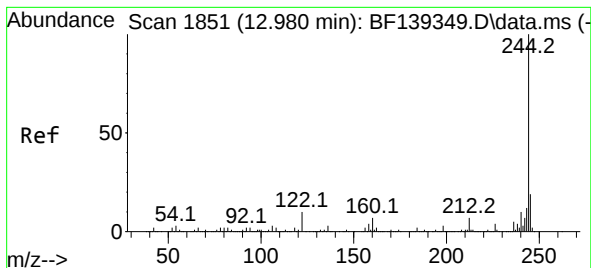
Ion Ratio Lower Upper

240 100

120 9.8 6.2 9.2#

236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 7.136 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139541.D

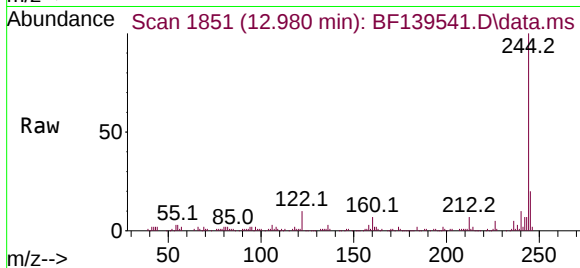
Acq: 25 Sep 2024 21:12

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PL-03-09242024



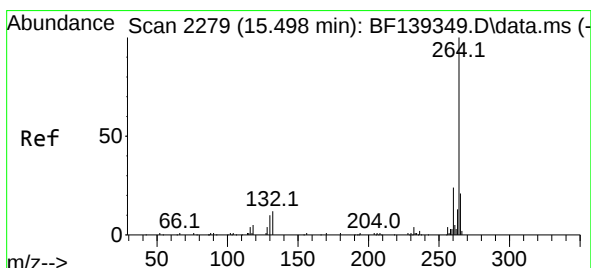
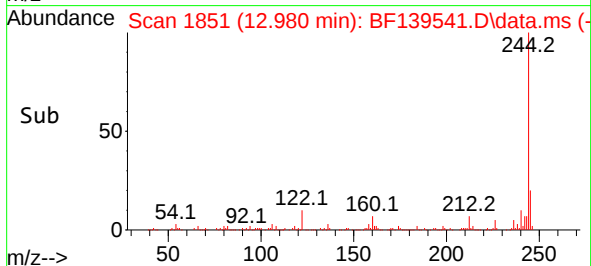
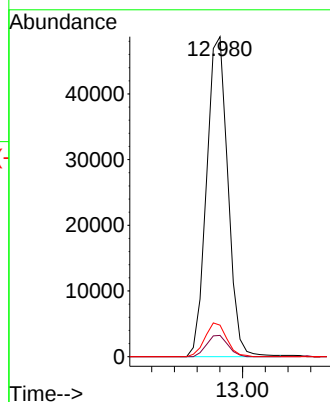
Tgt Ion:244 Resp: 63357

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 9.8 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. 0.012 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

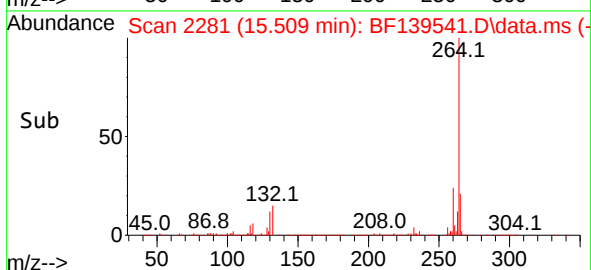
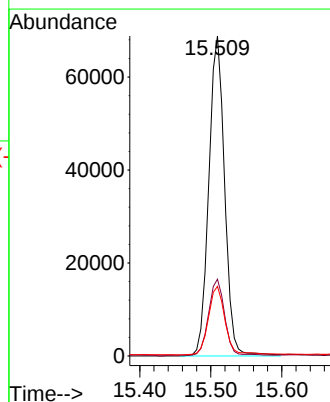
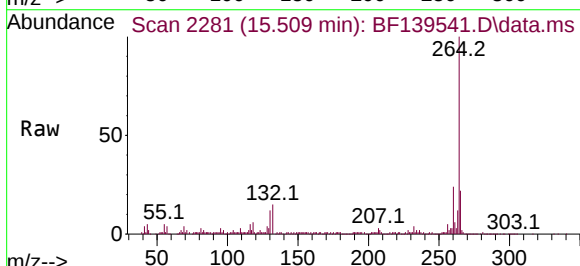
Tgt Ion:264 Resp: 106819

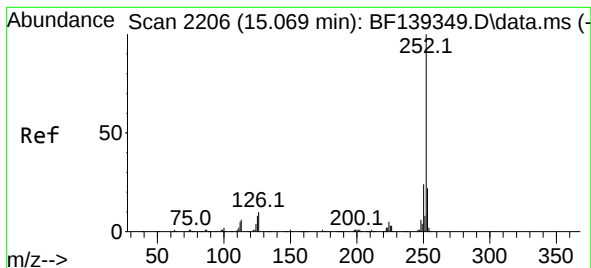
Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.8 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.179 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

PL-03-09242024

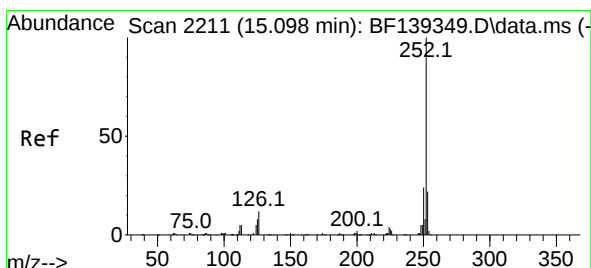
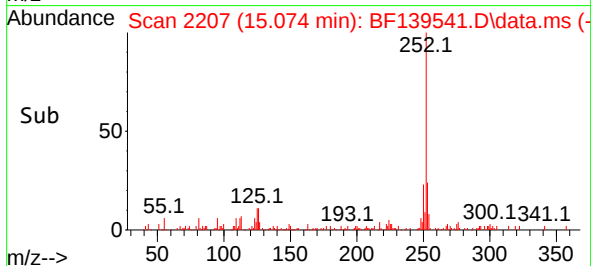
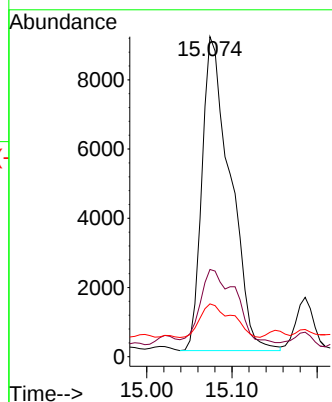
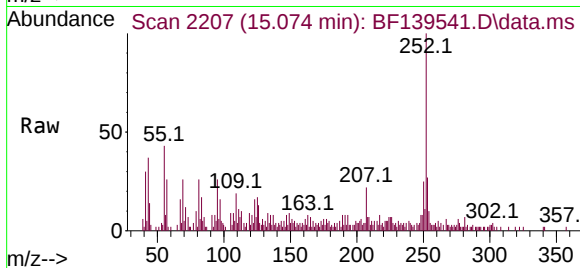
Tgt Ion:252 Resp: 20942

Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4#

125 16.5 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 3.448 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF139541.D

Acq: 25 Sep 2024 21:12

Tgt Ion:252 Resp: 20942

Ion Ratio Lower Upper

252 100

253 27.3 17.3 25.9#

125 16.5 5.9 8.9#

