

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092624\
 Data File : BF139568.D
 Acq On : 27 Sep 2024 01:42
 Operator : RC/JU
 Sample : P4197-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-092524

Quant Time: Sep 27 02:18:48 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)

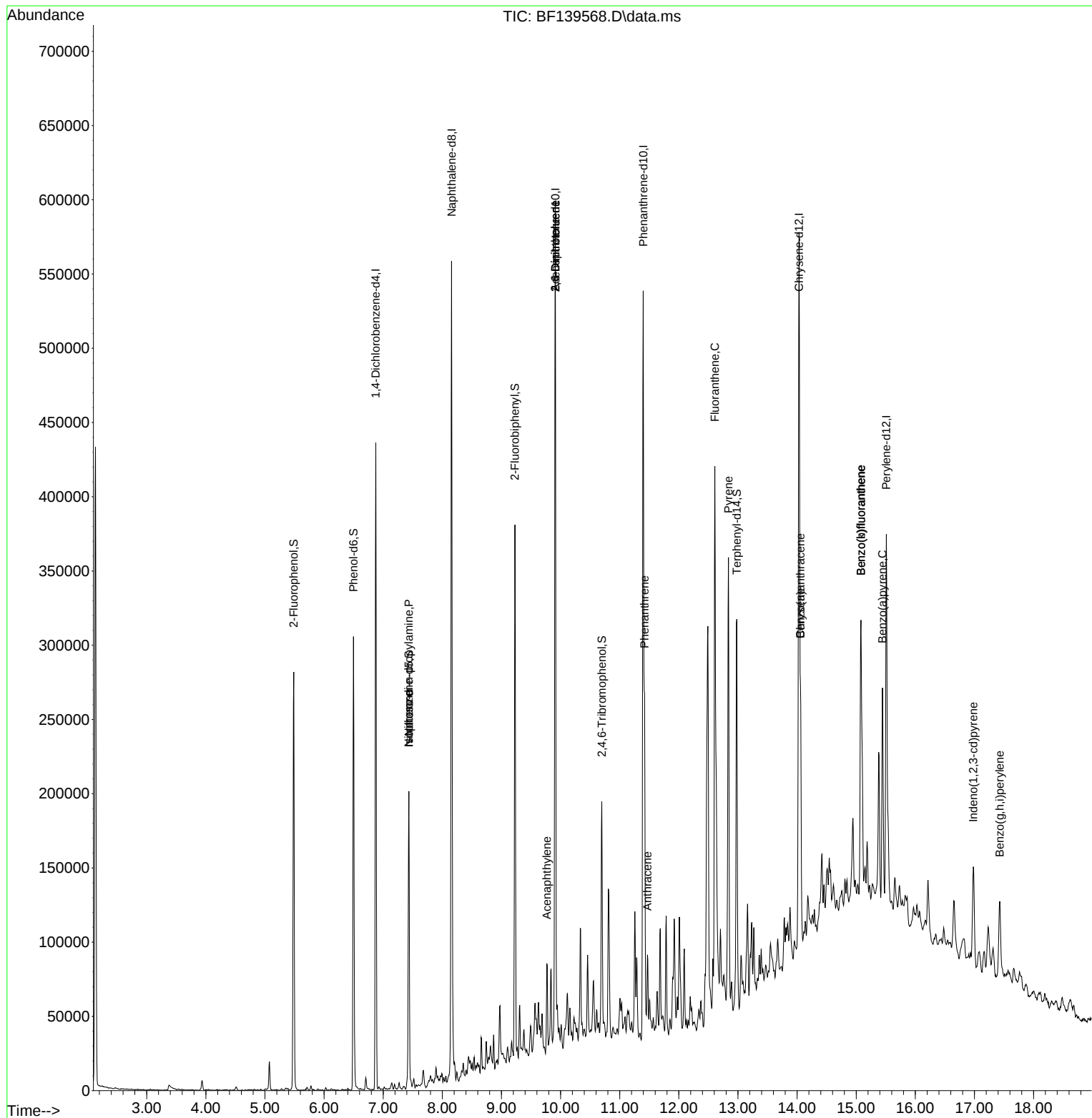
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85318	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	317926	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	163326	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	259641	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	165016	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	142687	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94789	18.124	ng	0.00
7) Phenol-d6	6.498	99	128662	18.743	ng	0.00
23) Nitrobenzene-d5	7.433	82	81574	12.062	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	22182	12.757	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	151639	13.022	ng	0.00
79) Terphenyl-d14	12.980	244	123463	12.281	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	11164	2.744	ng	# 76
25) Isophorone	7.433	82	81574	7.627	ng	# 66
49) Acenaphthylene	9.769	152	31230	2.208	ng	99
51) 2,6-Dinitrotoluene	9.910	165	22771	9.589	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	22771	7.102	ng	# 16
71) Phenanthrene	11.421	178	114673	9.154	ng	100
72) Anthracene	11.469	178	26126	2.133	ng	97
75) Fluoranthene	12.610	202	175352	13.108	ng	98
78) Pyrene	12.839	202	171355	12.094	ng	99
81) Benzo(a)anthracene	14.057	228	96237	8.804	ng	94
83) Chrysene	14.057	228	96237	9.570	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	48108	5.670	ng	96
88) Benzo(b)fluoranthene	15.080	252	160071	18.190	ng	# 98
89) Benzo(k)fluoranthene	15.080	252	160071	19.728	ng	# 97
90) Benzo(a)pyrene	15.445	252	79975	10.958	ng	# 94
92) Benzo(g,h,i)perylene	17.427	276	47663	6.866	ng	# 94

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

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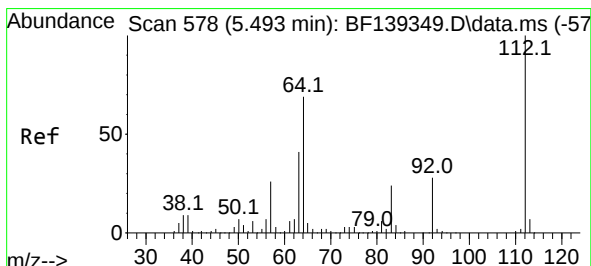
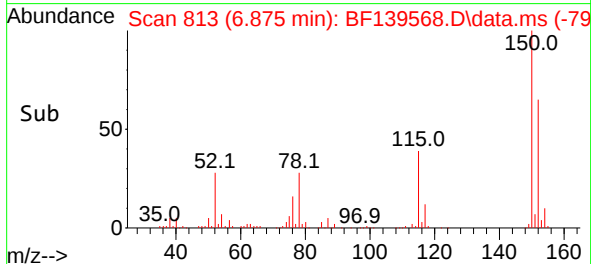
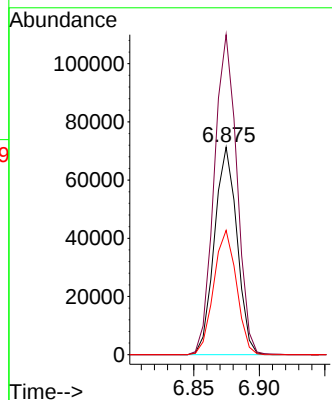
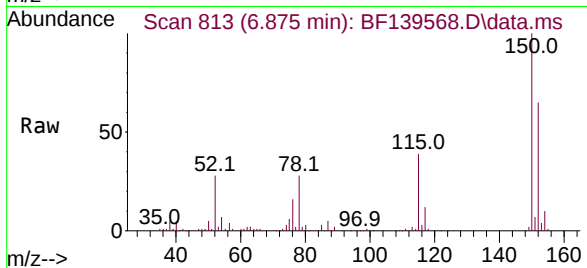




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

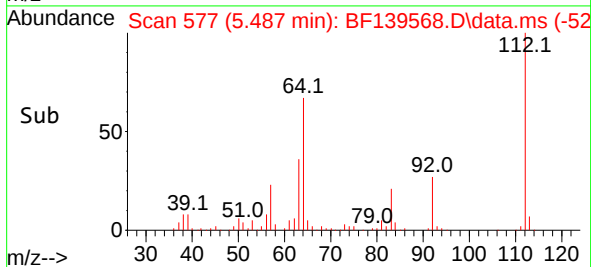
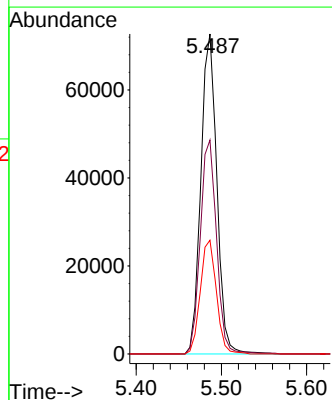
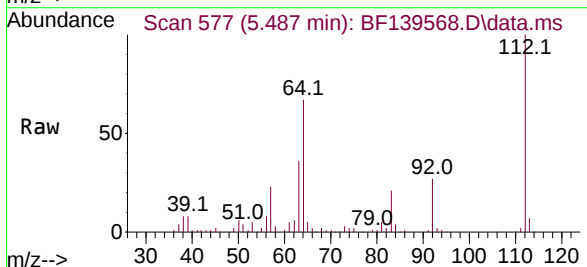
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

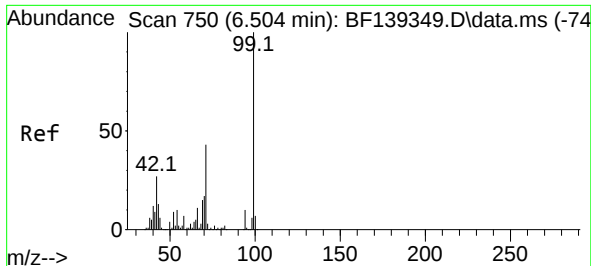
Tgt Ion:152 Resp: 85318
Ion Ratio Lower Upper
152 100
150 154.3 124.1 186.1
115 60.0 48.1 72.1



#5
2-Fluorophenol
Concen: 18.124 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:112 Resp: 94789
Ion Ratio Lower Upper
112 100
64 66.9 54.8 82.2
63 35.6 33.0 49.4

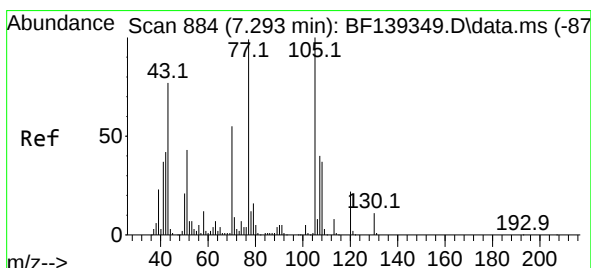
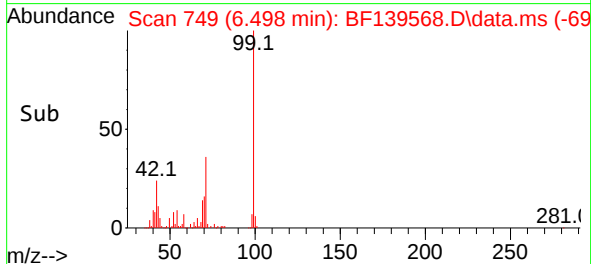
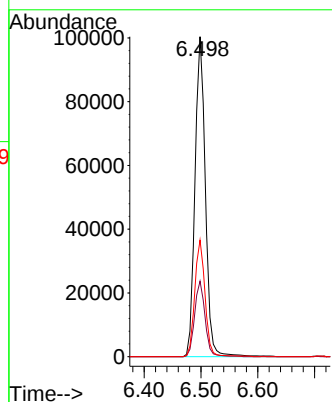
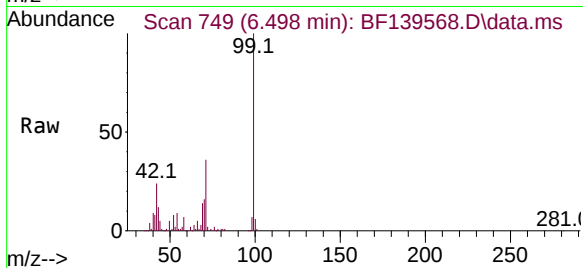




#7
Phenol-d6
Concen: 18.743 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

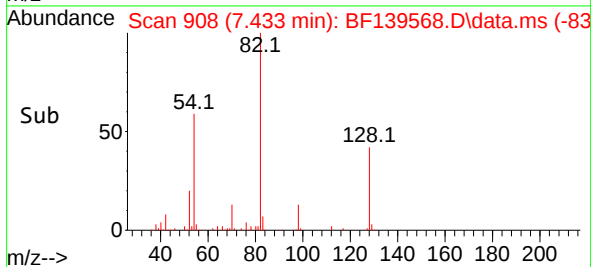
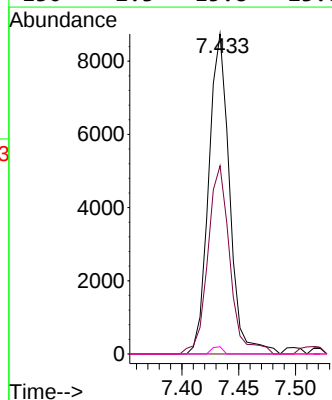
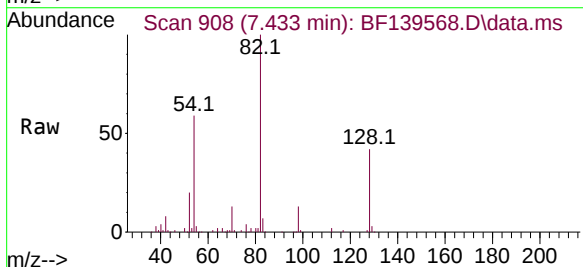
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

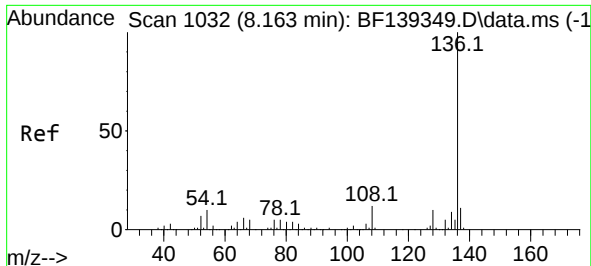
Tgt Ion: 99 Resp: 128662
Ion Ratio Lower Upper
99 100
42 23.6 21.9 32.9
71 36.4 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.744 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion: 70 Resp: 11164
Ion Ratio Lower Upper
70 100
42 58.8 61.2 91.8#
101 0.0 7.5 11.3#
130 2.3 15.8 23.8#

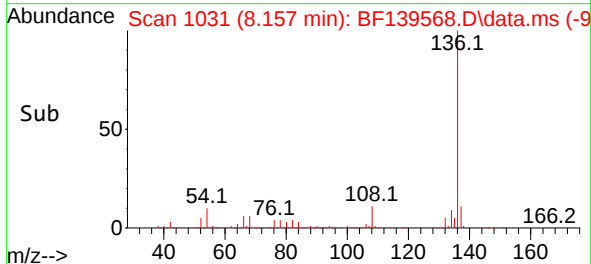
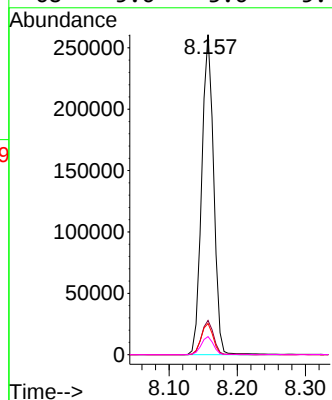
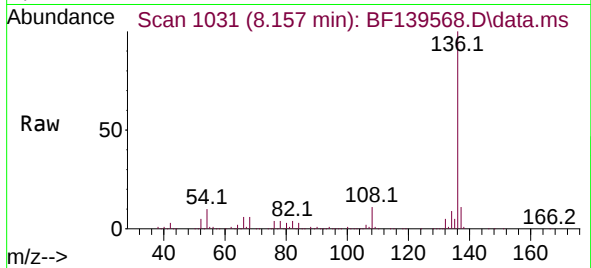




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

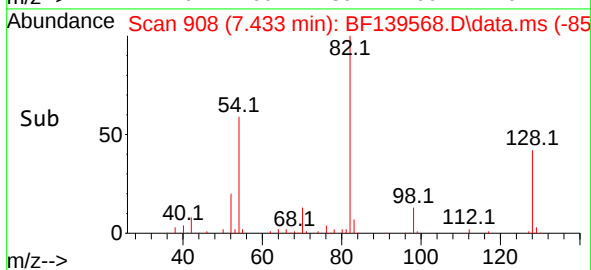
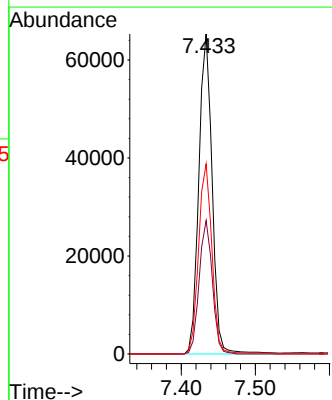
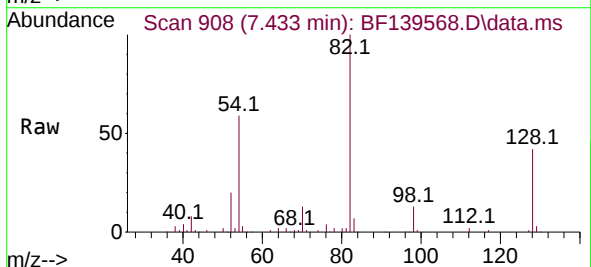
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

Tgt Ion:	136	Resp:	317926
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.7	7.8	11.8
68	5.6	3.6	5.4



#23
Nitrobenzene-d5
Concen: 12.062 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:	82	Resp:	81574
Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.8	47.6
54	59.3	50.6	75.8

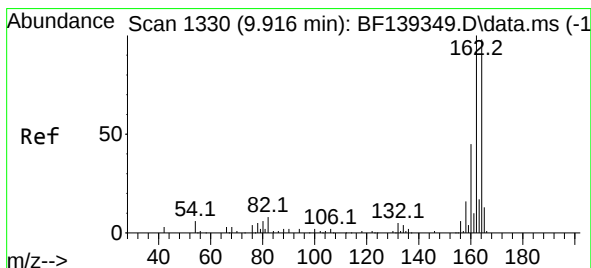
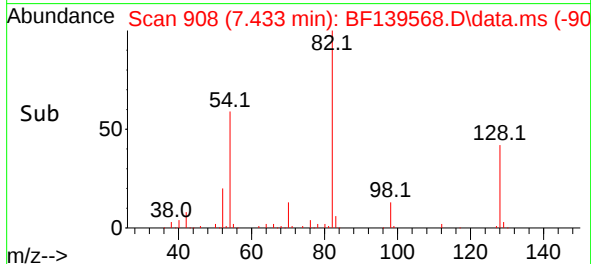
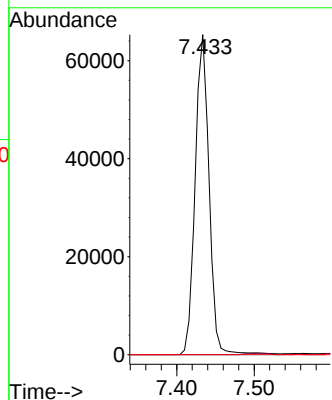
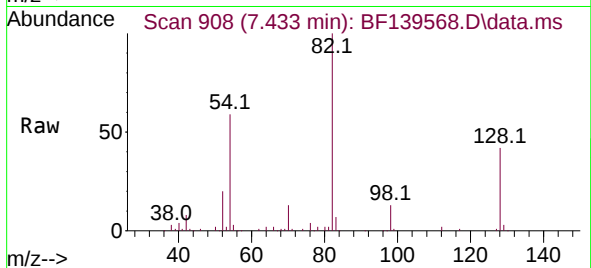




#25
Isophorone
Concen: 7.627 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

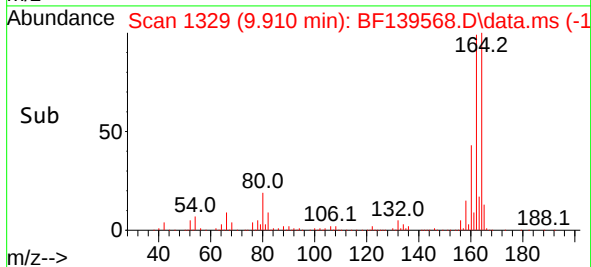
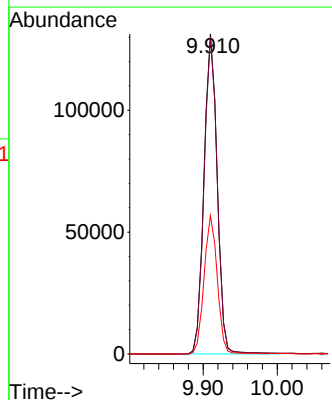
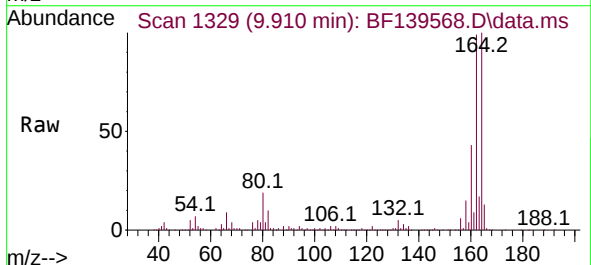
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

Tgt Ion: 82 Resp: 81574
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# 1329
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:164 Resp: 163326
Ion Ratio Lower Upper
164 100
162 99.1 81.3 121.9
160 43.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 12.757 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139568.D

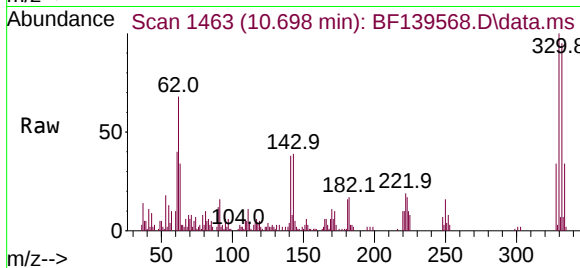
Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524



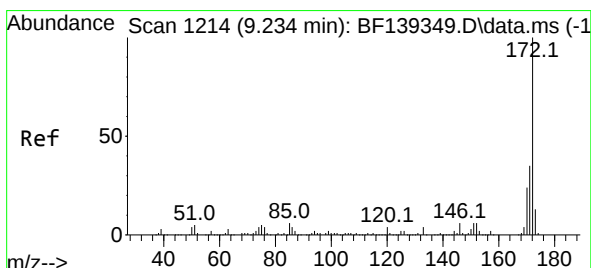
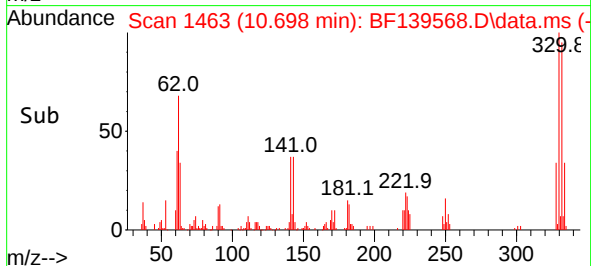
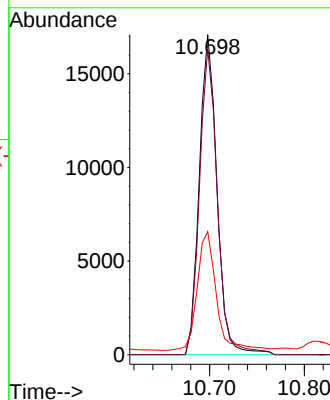
Tgt Ion:330 Resp: 22182

Ion Ratio Lower Upper

330 100

332 96.6 75.2 112.8

141 40.1 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 13.022 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

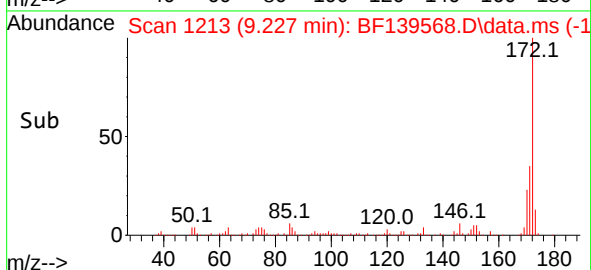
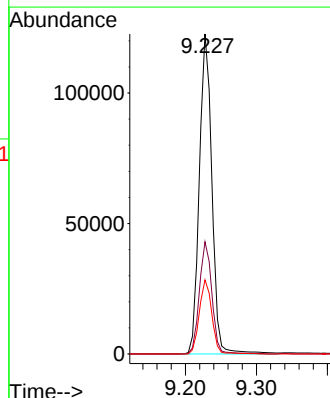
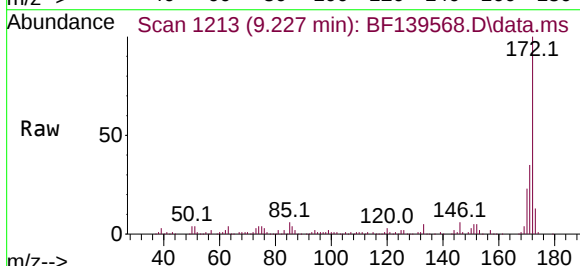
Tgt Ion:172 Resp: 151639

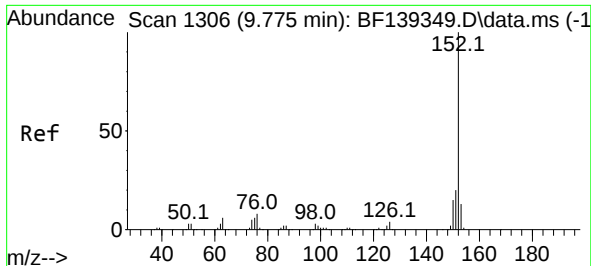
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.1 19.0 28.6





#49

Acenaphthylene

Concen: 2.208 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

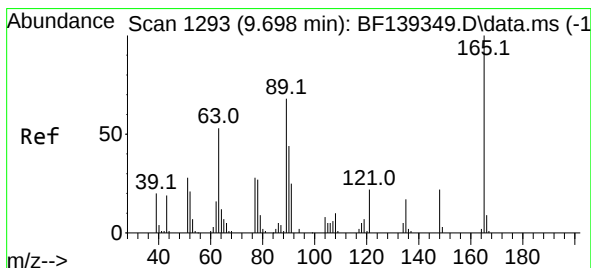
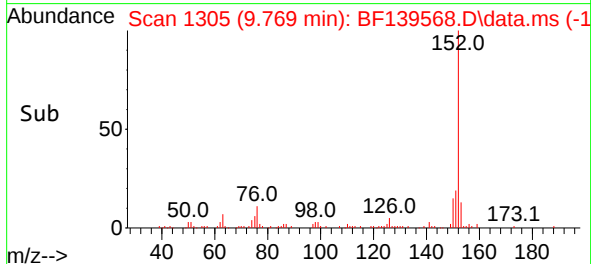
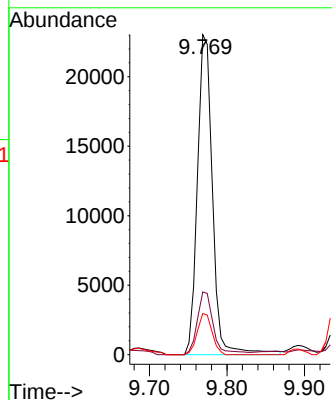
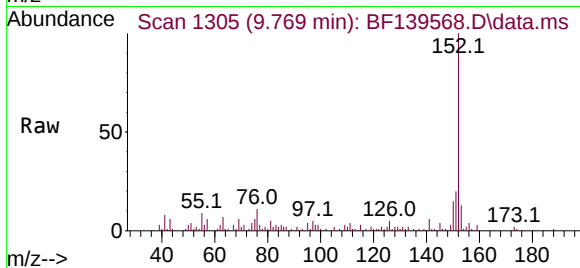
Tgt Ion:152 Resp: 31230

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 12.9 10.3 15.5



#51

2,6-Dinitrotoluene

Concen: 9.589 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

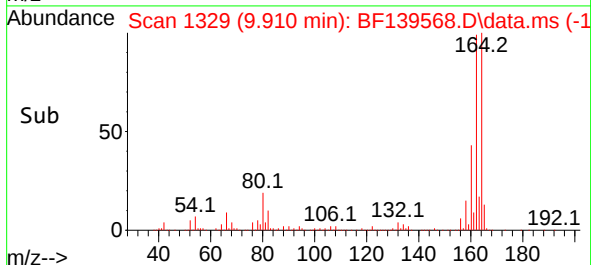
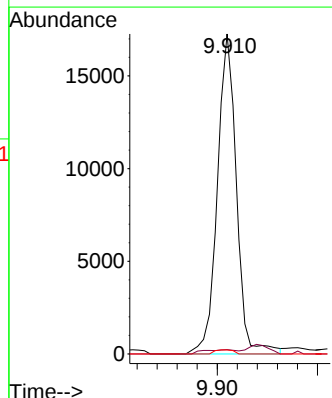
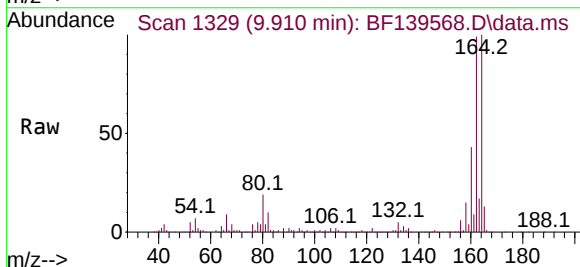
Tgt Ion:165 Resp: 22771

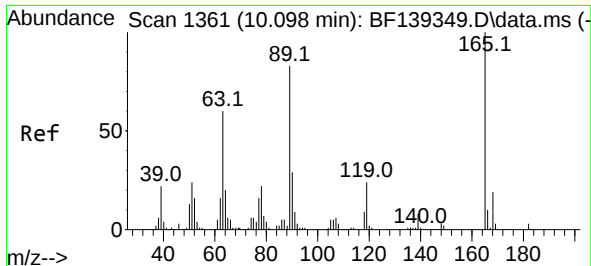
Ion Ratio Lower Upper

165 100

63 1.3 60.9 91.3#

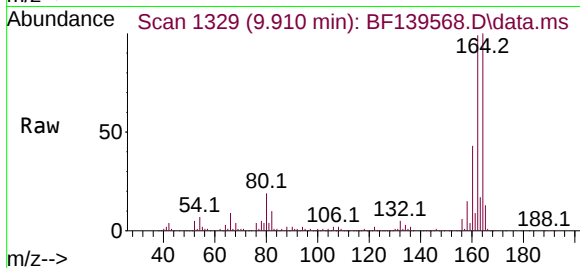
89 1.3 54.7 82.1#



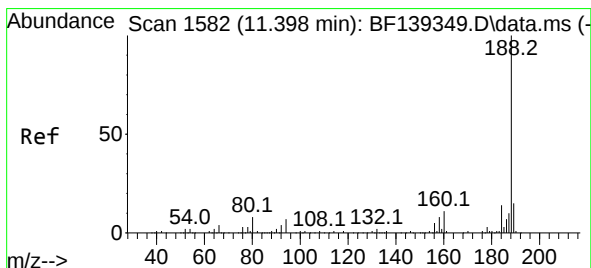
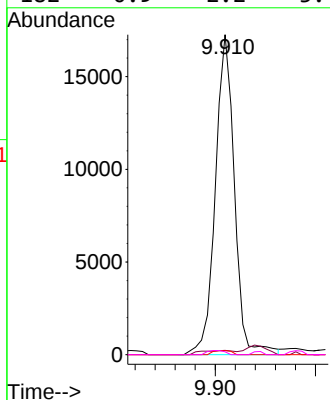
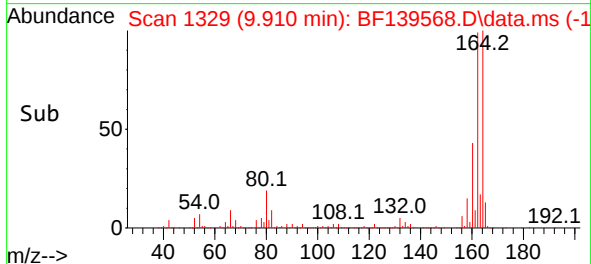


#57
2,4-Dinitrotoluene
Concen: 7.102 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Instrument :
BNA_F
ClientSampleId :
EO-01-092524

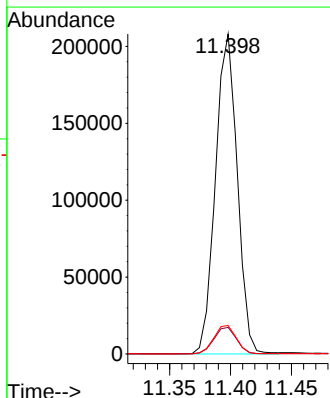
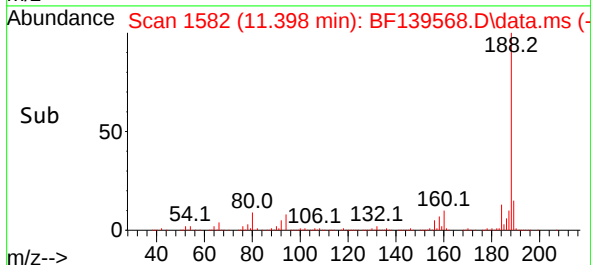
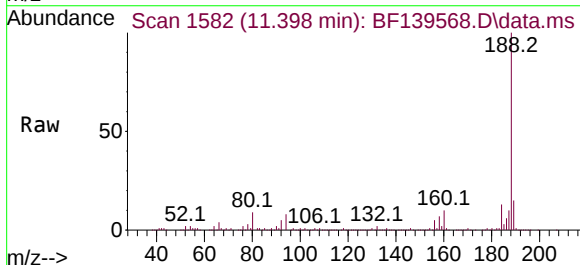


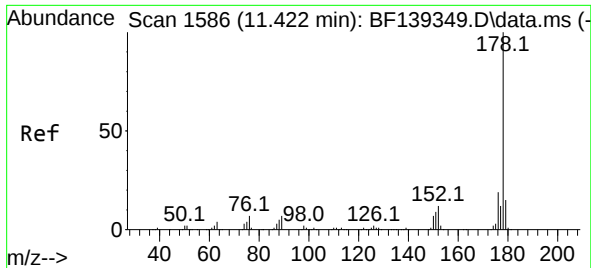
Tgt Ion:165 Resp: 22771
Ion Ratio Lower Upper
165 100
63 1.3 47.8 71.6#
89 1.3 66.7 100.1#
182 0.9 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:188 Resp: 259641
Ion Ratio Lower Upper
188 100
94 8.3 5.5 8.3#
80 8.9 6.6 9.8

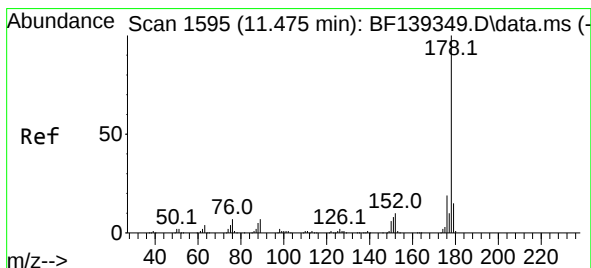
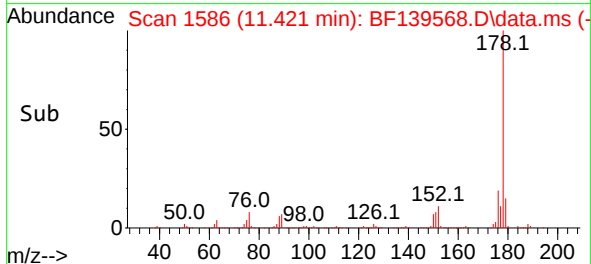
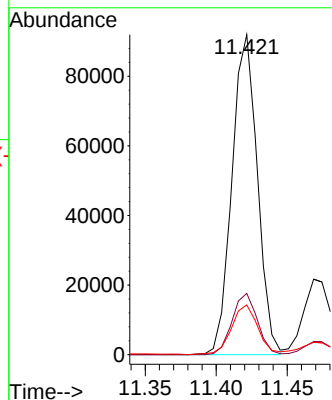
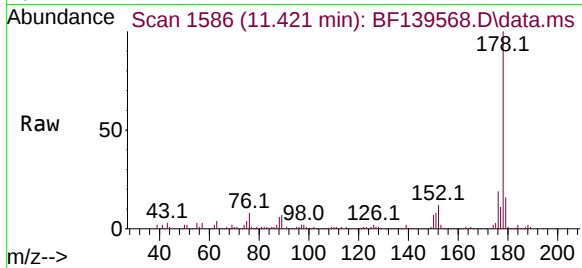




#71
Phenanthrene
Concen: 9.154 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

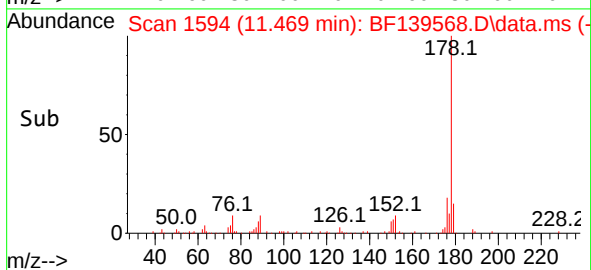
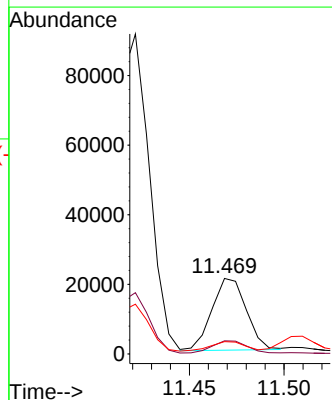
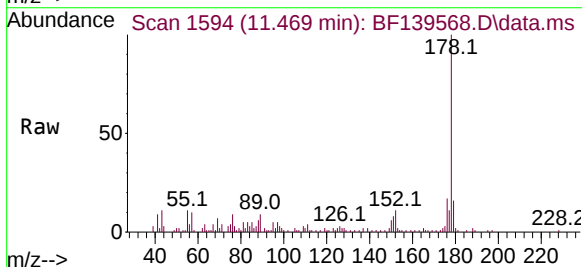
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

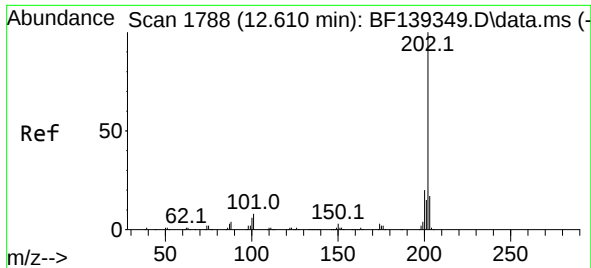
Tgt Ion:178 Resp: 114673
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.6 12.2 18.4



#72
Anthracene
Concen: 2.133 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:178 Resp: 26126
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 16.4 12.0 18.0

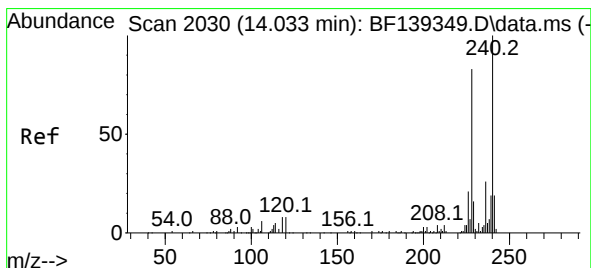
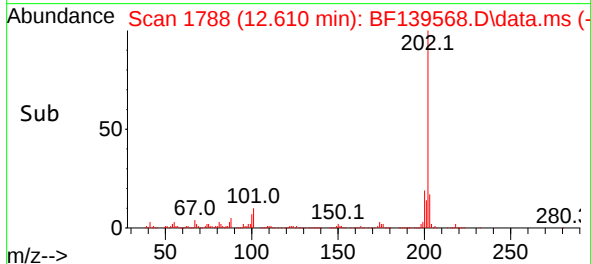
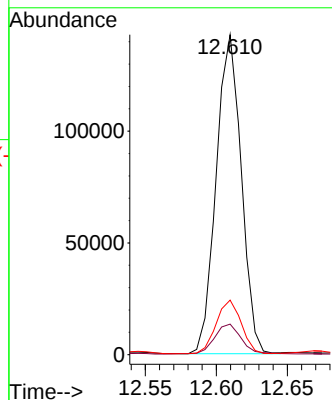
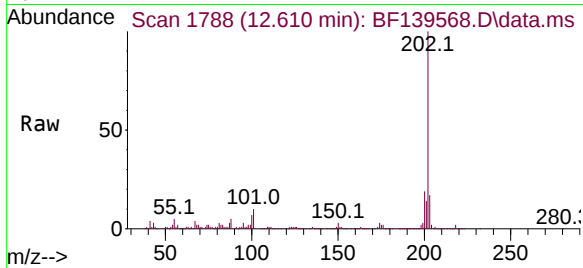




#75
Fluoranthene
Concen: 13.108 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

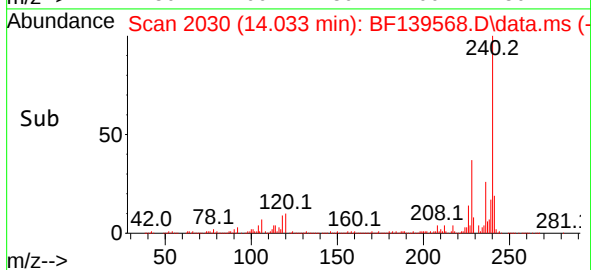
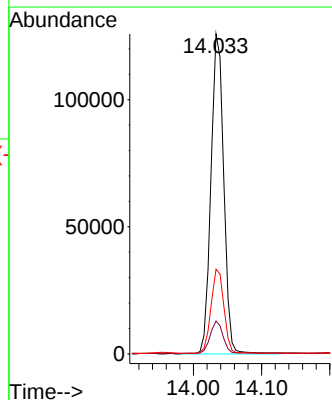
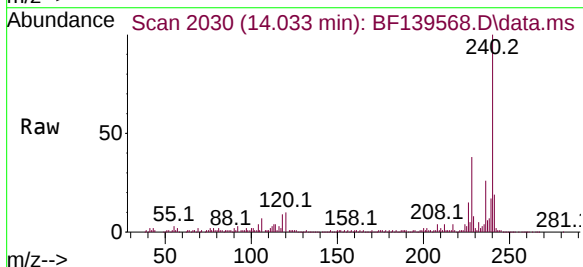
Instrument :
BNA_F
ClientSampleId :
EO-01-092524

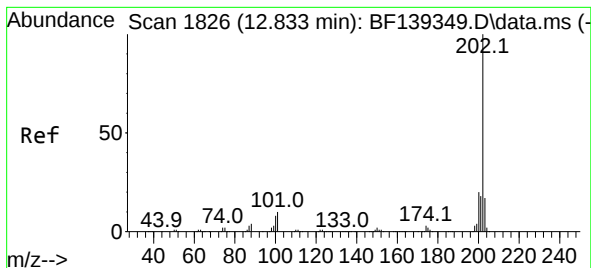
Tgt Ion:202 Resp: 175352
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.7
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139568.D
Acq: 27 Sep 2024 01:42

Tgt Ion:240 Resp: 165016
Ion Ratio Lower Upper
240 100
120 10.3 6.2 9.2#
236 26.5 20.9 31.3





#78

Pyrene

Concen: 12.094 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

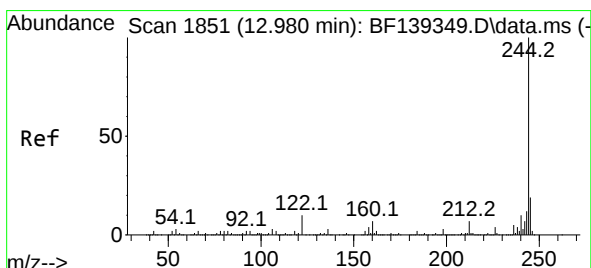
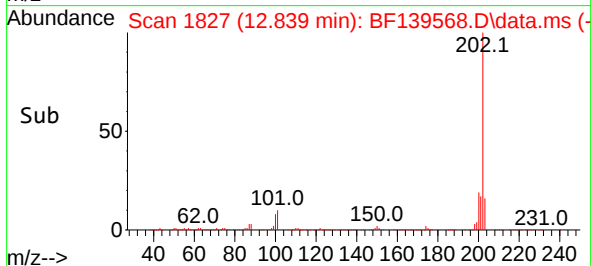
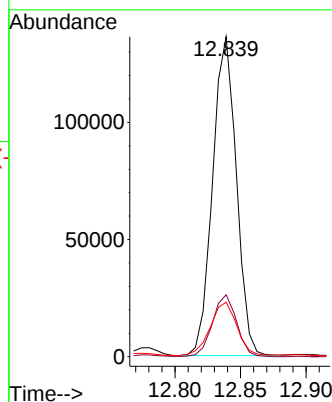
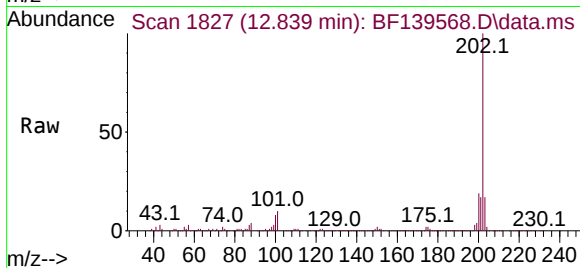
Tgt Ion:202 Resp: 171355

Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.0 13.9 20.9



#79

Terphenyl-d14

Concen: 12.281 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

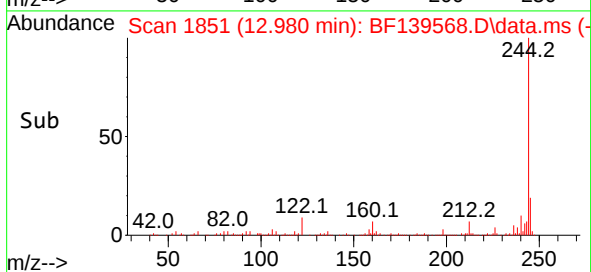
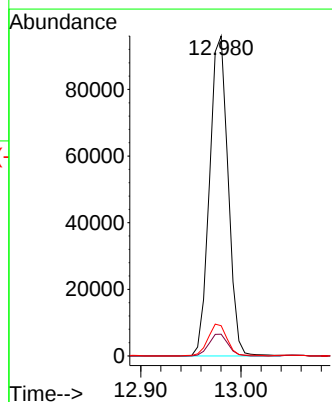
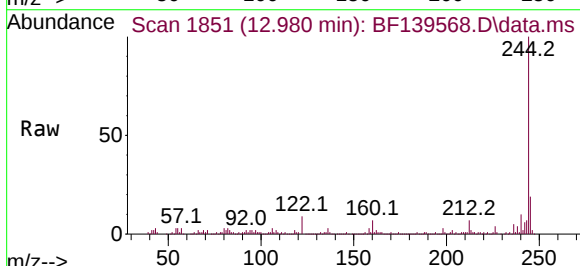
Tgt Ion:244 Resp: 123463

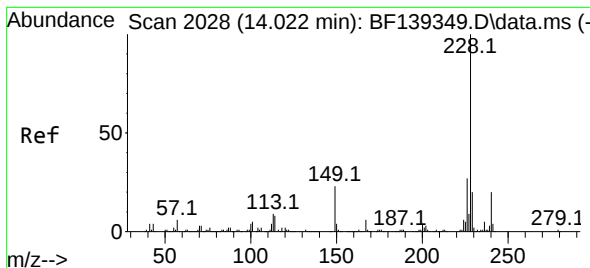
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.5 7.6 11.4





#81

Benzo(a)anthracene

Concen: 8.804 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

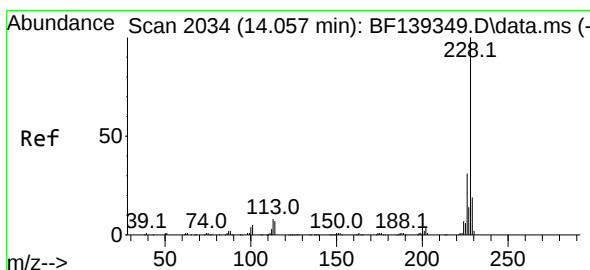
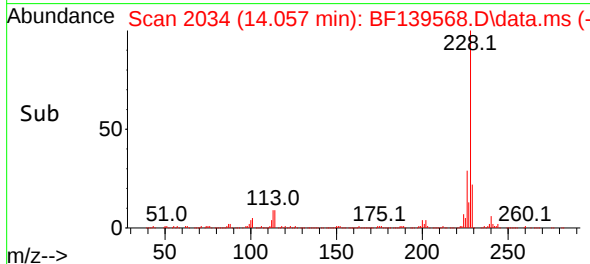
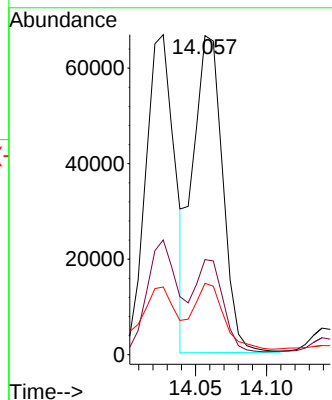
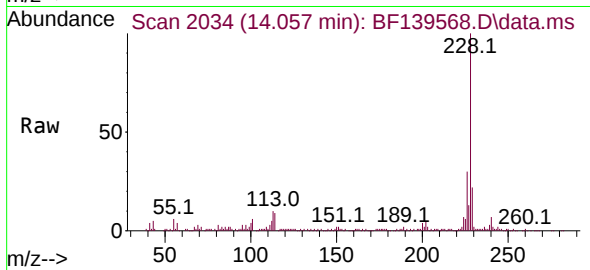
Tgt Ion:228 Resp: 96237

Ion Ratio Lower Upper

228 100

226 29.8 21.6 32.4

229 22.3 15.7 23.5



#83

Chrysene

Concen: 9.570 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

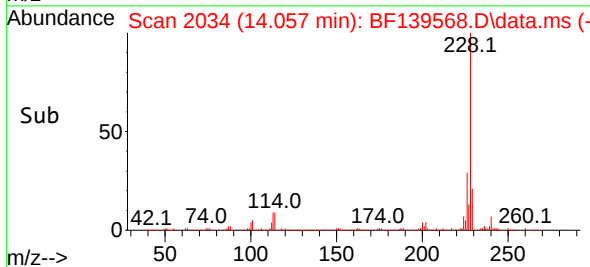
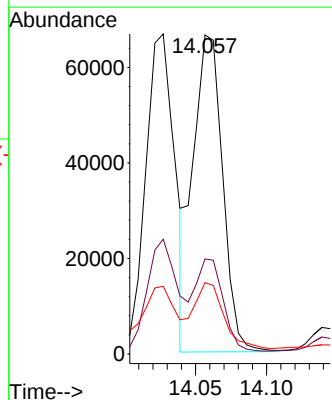
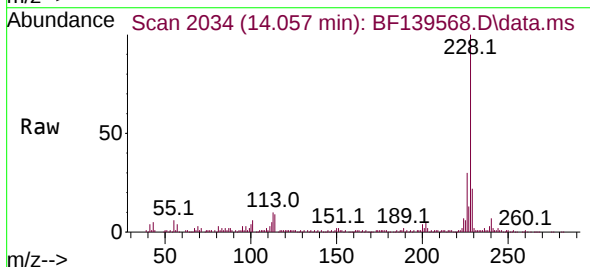
Tgt Ion:228 Resp: 96237

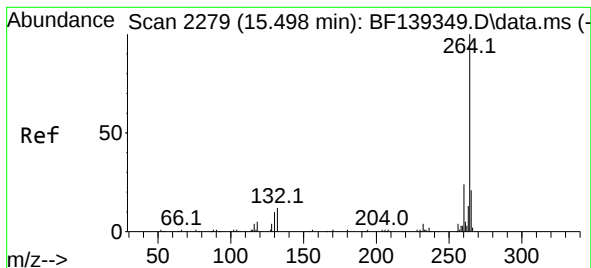
Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 22.3 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

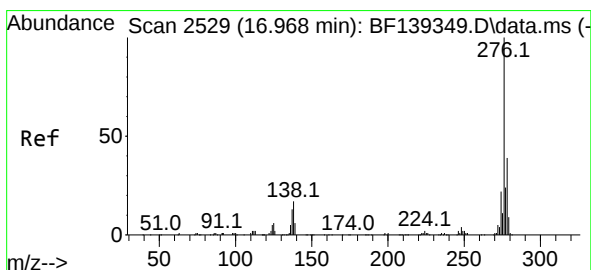
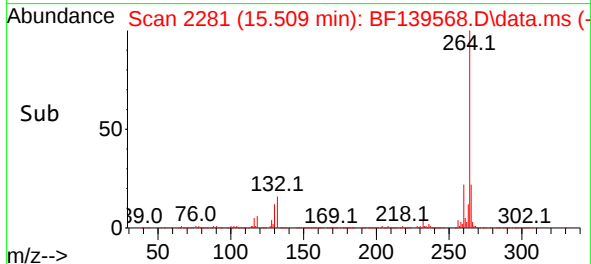
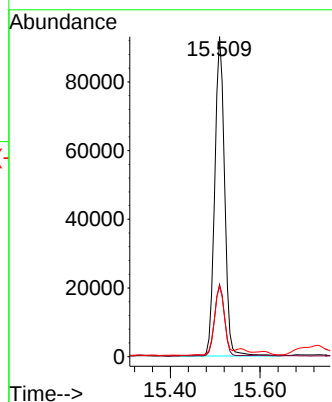
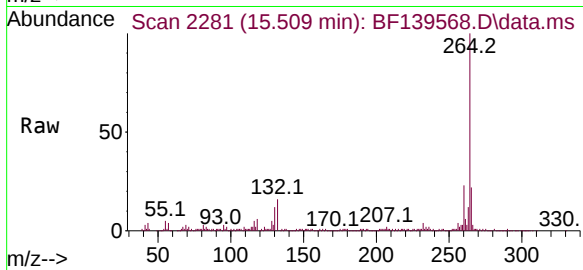
Tgt Ion:264 Resp: 142687

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

265 22.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.670 ng

RT: 16.980 min Scan# 2531

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

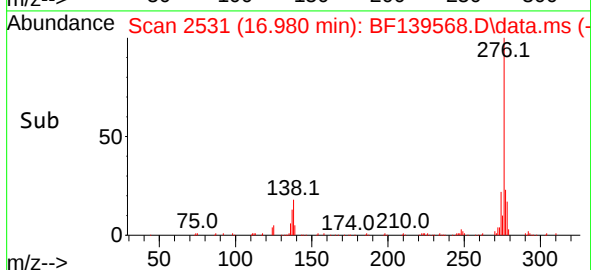
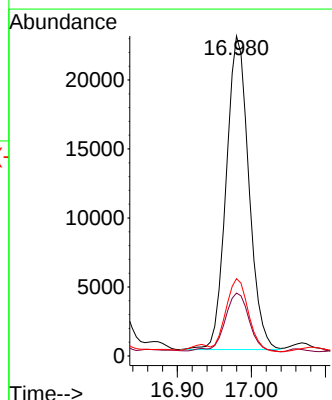
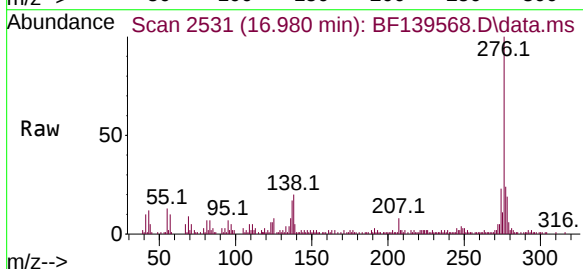
Tgt Ion:276 Resp: 48108

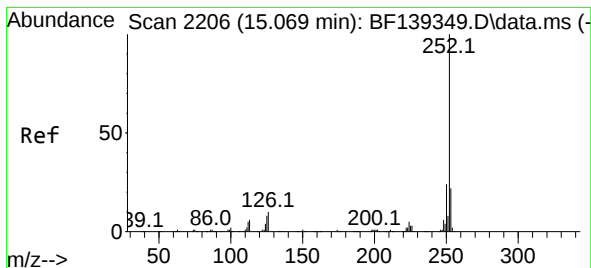
Ion Ratio Lower Upper

276 100

138 20.4 15.4 23.2

277 23.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 18.190 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

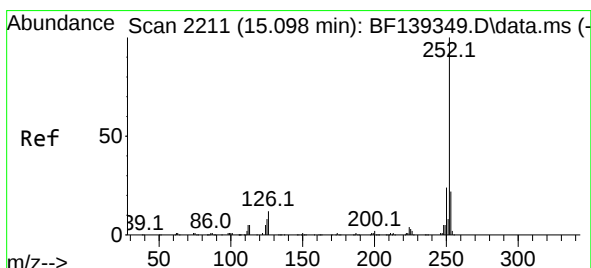
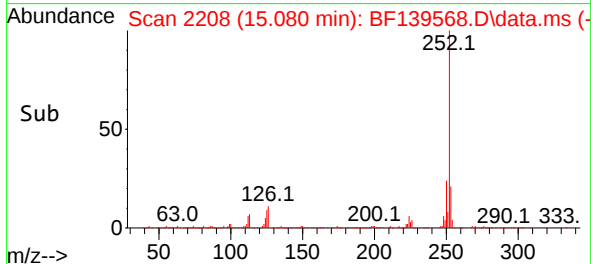
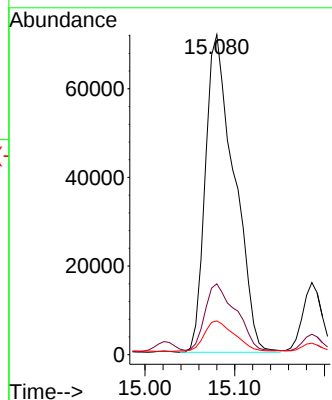
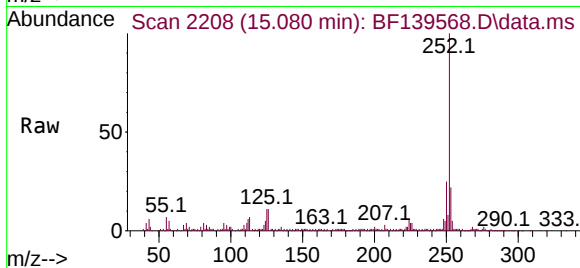
Tgt Ion:252 Resp: 160071

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.6 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 19.728 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

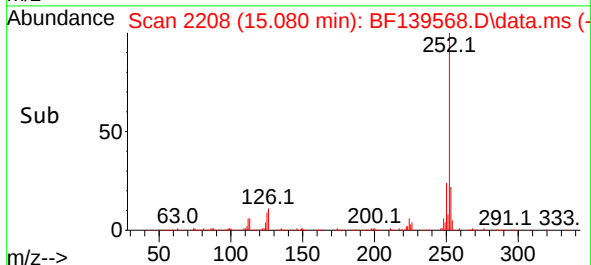
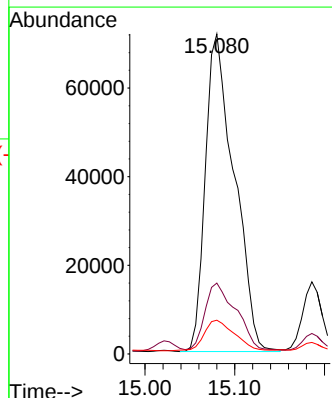
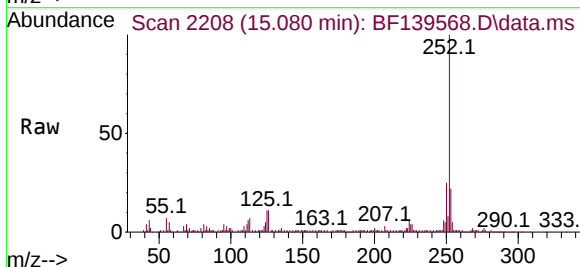
Tgt Ion:252 Resp: 160071

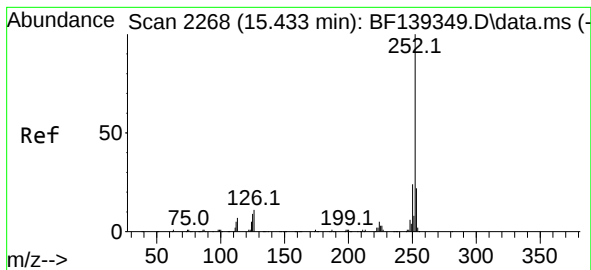
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 10.6 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 10.958 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Instrument :

BNA_F

ClientSampleId :

EO-01-092524

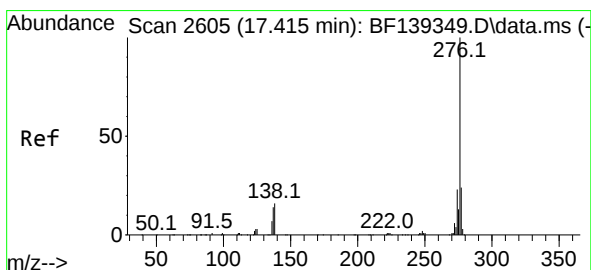
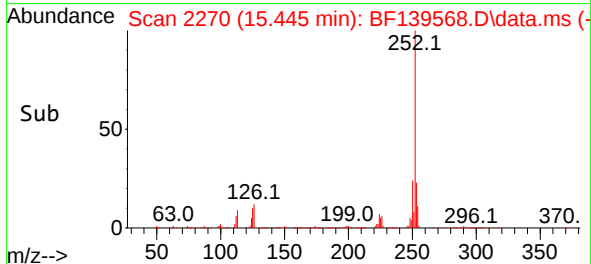
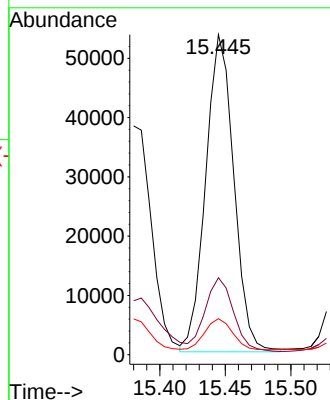
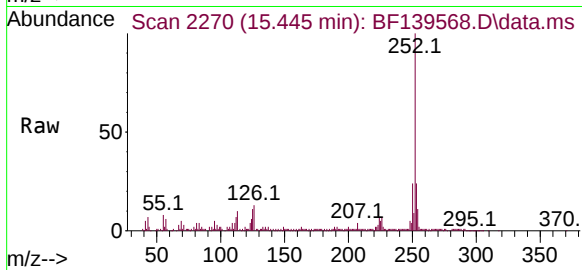
Tgt Ion:252 Resp: 79975

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 11.3 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 6.866 ng

RT: 17.427 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF139568.D

Acq: 27 Sep 2024 01:42

Tgt Ion:276 Resp: 47663

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 20.8 13.0 19.6#

