

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139407.D
 Acq On : 17 Sep 2024 17:36
 Operator : RC/JU
 Sample : P4002-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Sep 17 18:11:39 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	6.881	152	57965	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	200120	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	90310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	134117	20.000	ng	0.00
76) Chrysene-d12	14.033	240	95900	20.000	ng	0.00
86) Perylene-d12	15.498	264	65659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	421442	118.609	ng	0.00
7) Phenol-d6	6.504	99	544093	116.663	ng	0.00
23) Nitrobenzene-d5	7.439	82	372259	87.450	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	96033	99.883	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	590937	91.773	ng	0.00
79) Terphenyl-d14	12.980	244	442884	75.802	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	52674	19.059	ng	# 76
25) Isophorone	7.439	82	372256	55.295	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	12193	9.286	ng	# 16
57) 2,4-Dinitrotoluene	9.910	165	12193	6.878	ng	# 18
63) Azobenzene	10.622	77	21211	3.526	ng	# 8
67) 4-Bromophenyl-phenylether	10.698	248	6618	4.979	ng	# 1
71) Phenanthrene	11.422	178	43210	6.678	ng	98
72) Anthracene	11.422	178	43210	6.830	ng	97
75) Fluoranthene	12.604	202	87450	12.655	ng	100
77) Benzidine	12.980	184	7292	5.307	ng	# 88
78) Pyrene	12.833	202	84891	10.309	ng	98
81) Benzo(a)anthracene	14.021	228	49404	7.777	ng	95
83) Chrysene	14.057	228	43135	7.381	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	17913	4.588	ng	96
88) Benzo(b)fluoranthene	15.068	252	56553	13.966	ng	98
89) Benzo(k)fluoranthene	15.068	252	56553	15.147	ng	97
90) Benzo(a)pyrene	15.433	252	26302	7.832	ng	98
92) Benzo(g,h,i)perylene	17.404	276	18665	5.843	ng	# 96

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

Instrument :

BNA F

ClientSampleId :

TP-2

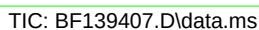
Quant Time: Sep 17 18:11:39 2024

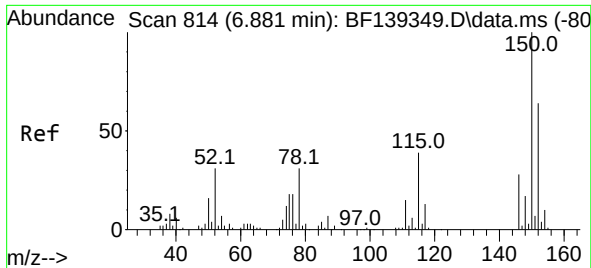
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Sep 14 02:58:23 2024

Response via : Initial Calibration

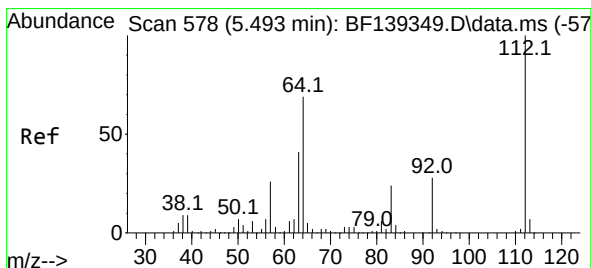
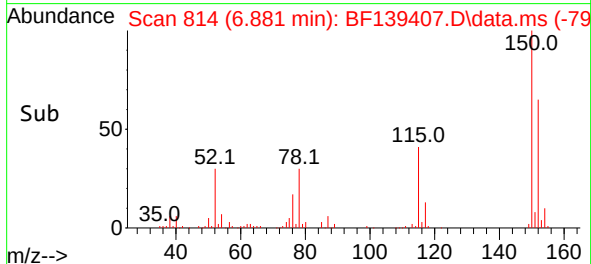
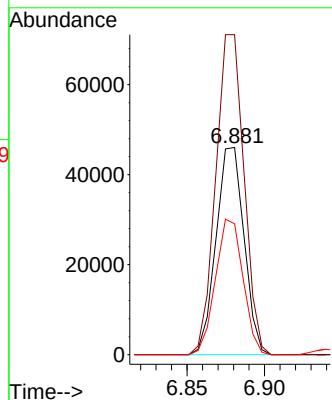
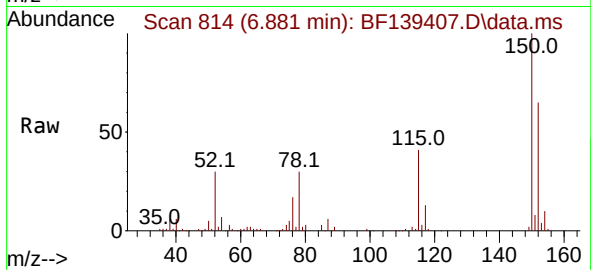




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

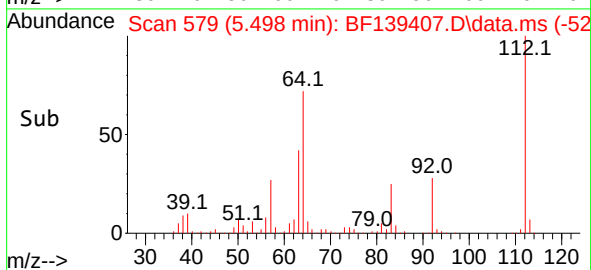
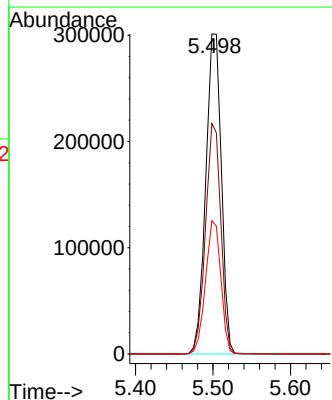
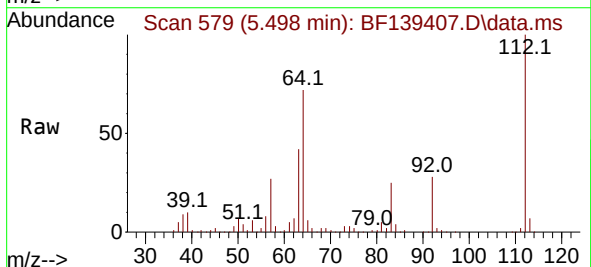
Instrument :
BNA_F
ClientSampleId :
TP-2

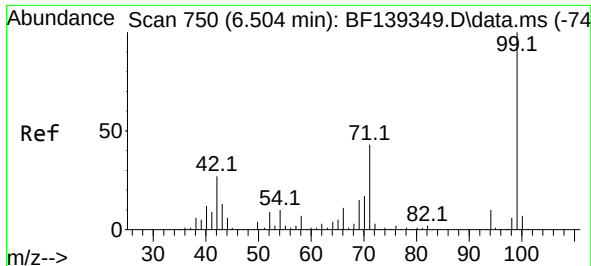
Tgt Ion:152 Resp: 57965
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 63.1 48.1 72.1



#5
2-Fluorophenol
Concen: 118.609 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion:112 Resp: 421442
Ion Ratio Lower Upper
112 100
64 72.0 54.8 82.2
63 41.6 33.0 49.4

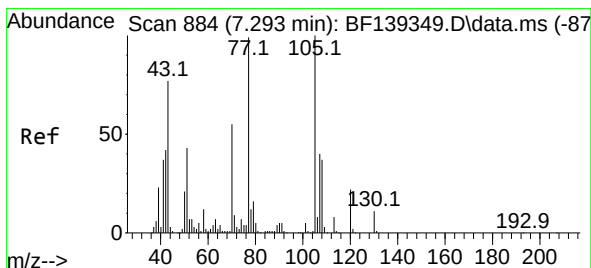
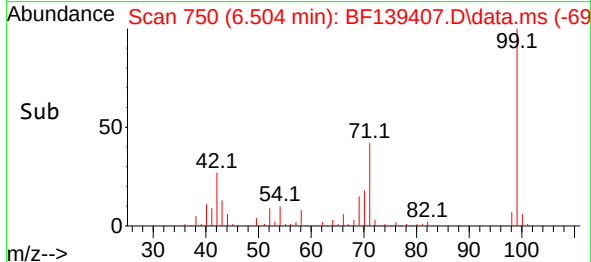
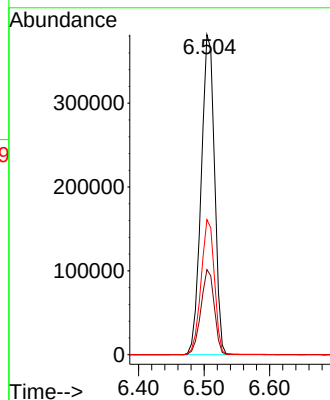
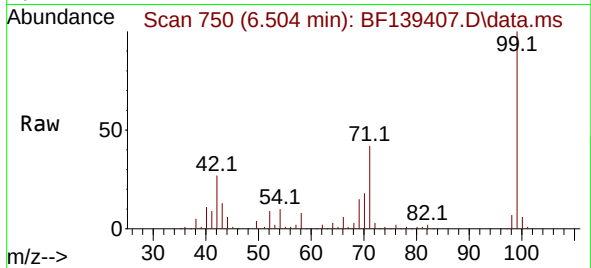




#7
Phenol-d6
Concen: 116.663 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

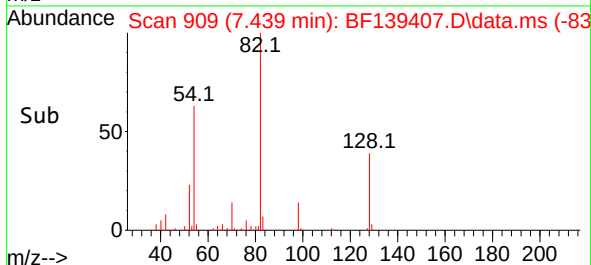
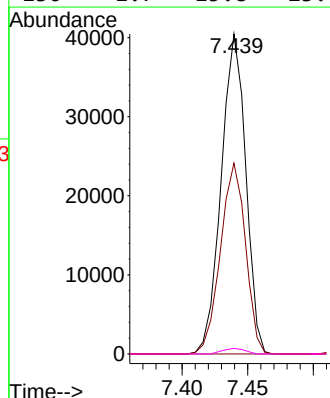
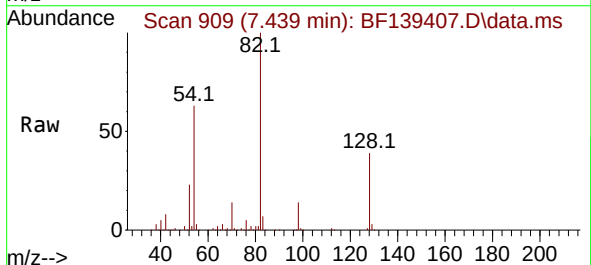
Instrument :
BNA_F
ClientSampleId :
TP-2

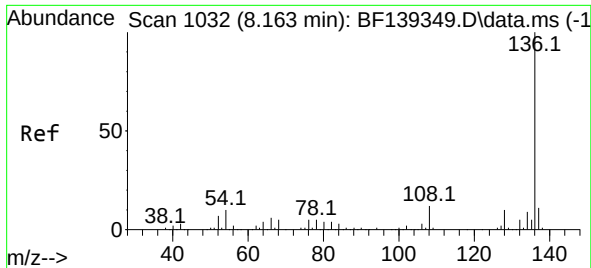
Tgt Ion: 99 Resp: 544093
Ion Ratio Lower Upper
99 100
42 26.6 21.9 32.9
71 42.2 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.059 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion: 70 Resp: 52674
Ion Ratio Lower Upper
70 100
42 59.6 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 15.8 23.8#

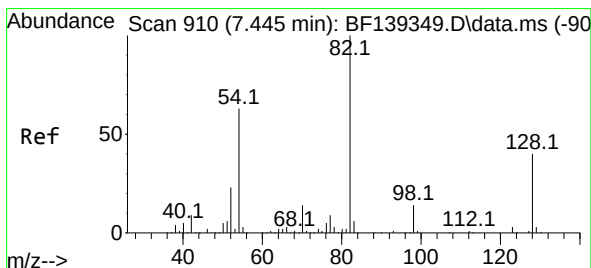
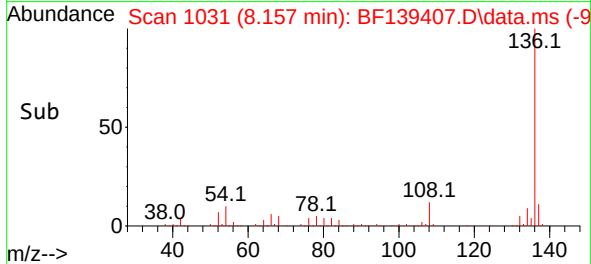
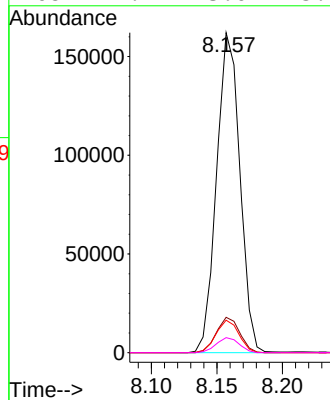
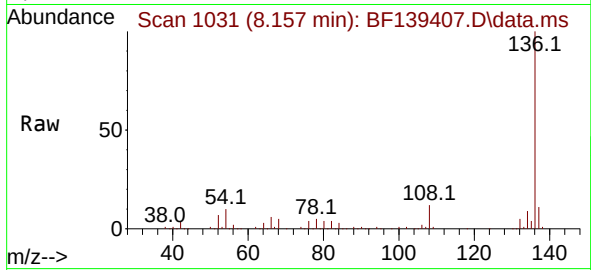




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

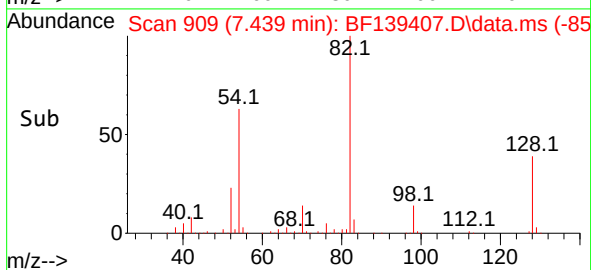
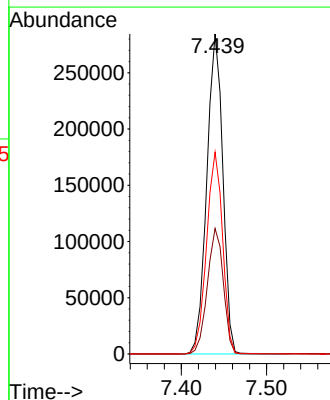
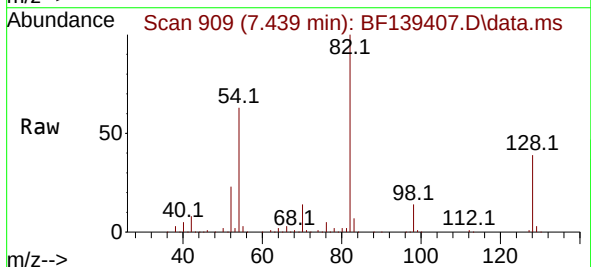
Instrument :
BNA_F
ClientSampleId :
TP-2

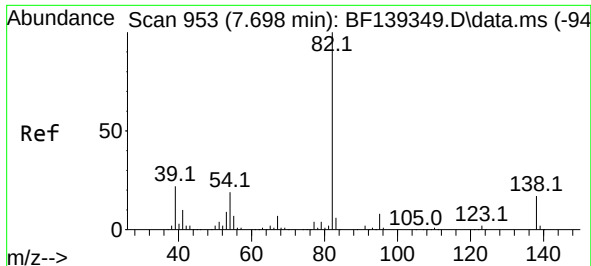
Tgt Ion:136	Resp: 200120
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 12.8
54 10.2	7.8 11.8
68 4.7	3.6 5.4



#23
Nitrobenzene-d5
Concen: 87.450 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion: 82	Resp: 372259
Ion Ratio	Lower Upper
82 100	
128 39.2	31.8 47.6
54 63.1	50.6 75.8

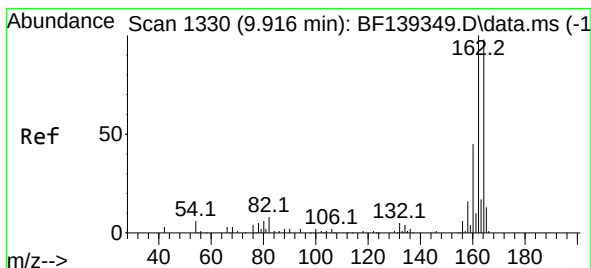
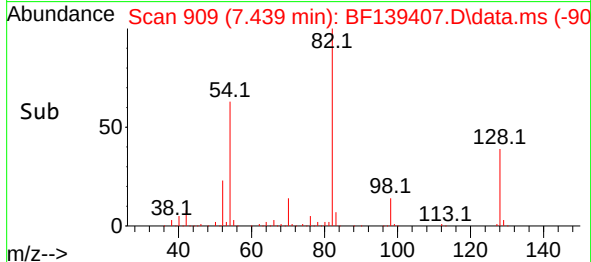
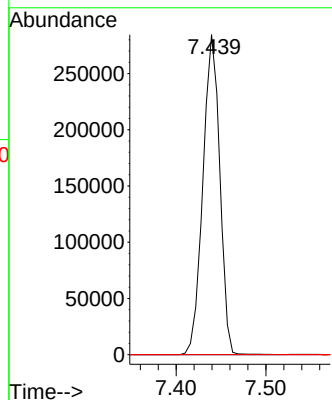
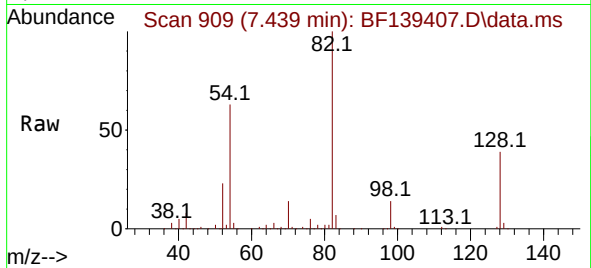




#25
Isophorone
Concen: 55.295 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

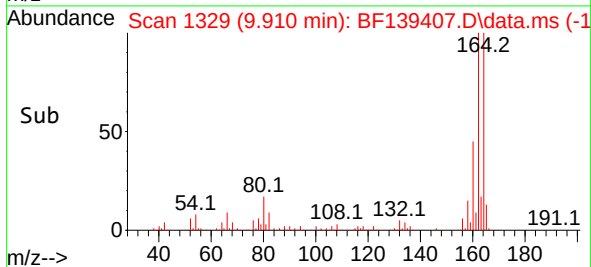
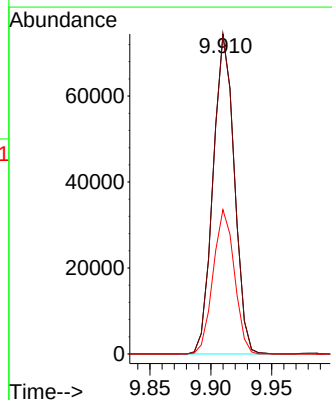
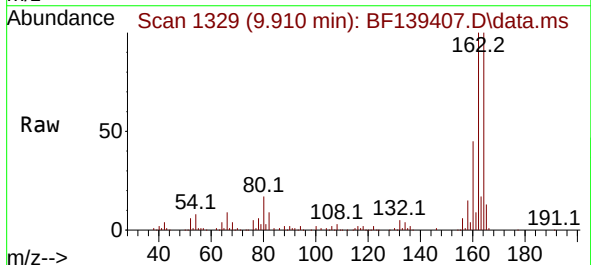
Instrument :
BNA_F
ClientSampleId :
TP-2

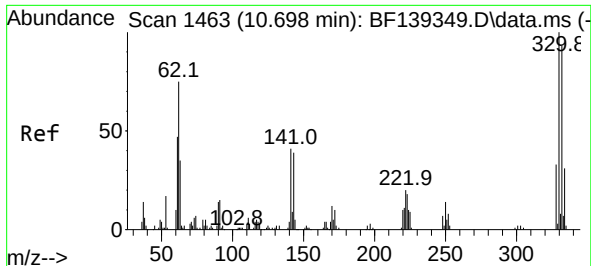
Tgt Ion: 82 Resp: 372256
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion:164 Resp: 90310
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 45.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 99.883 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139407.D

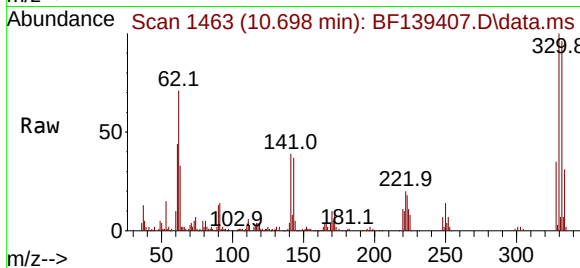
Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2



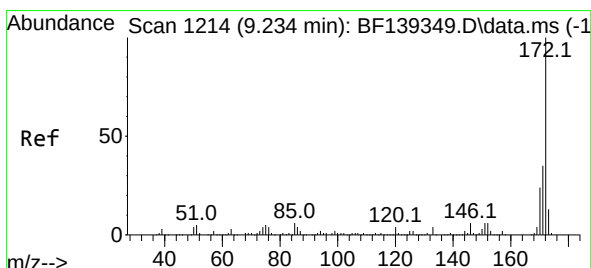
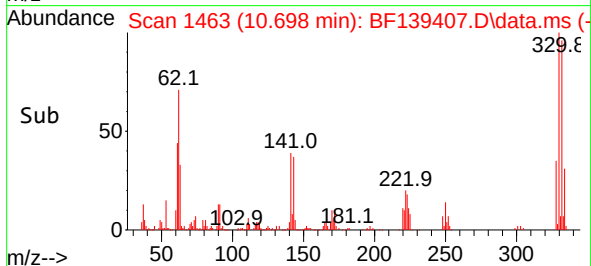
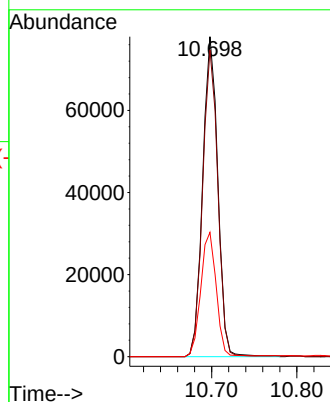
Tgt Ion:330 Resp: 96033

Ion Ratio Lower Upper

330 100

332 95.6 75.2 112.8

141 39.8 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 91.773 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

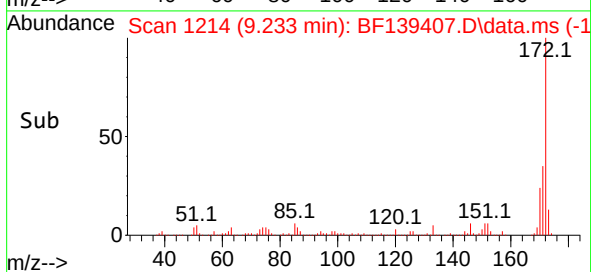
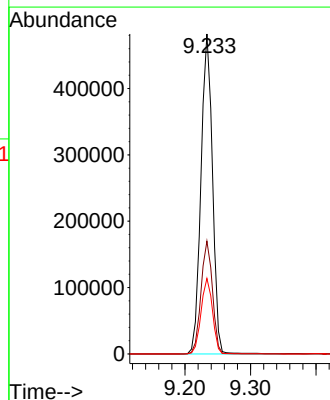
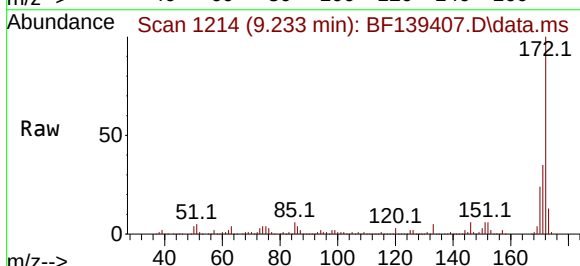
Tgt Ion:172 Resp: 590937

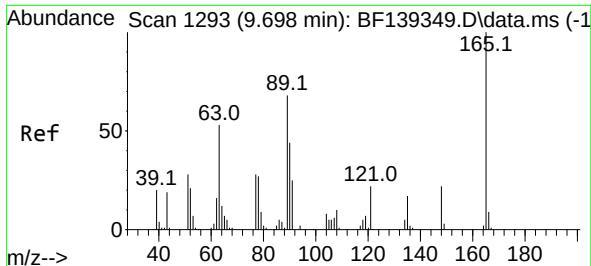
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 19.0 28.6

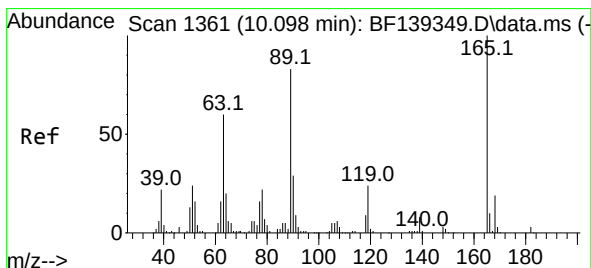
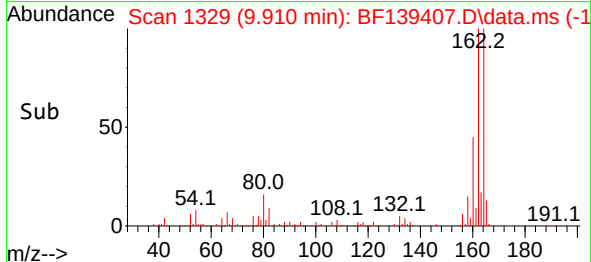
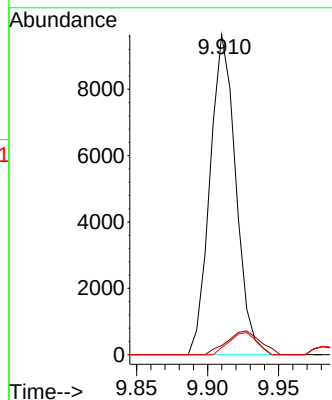
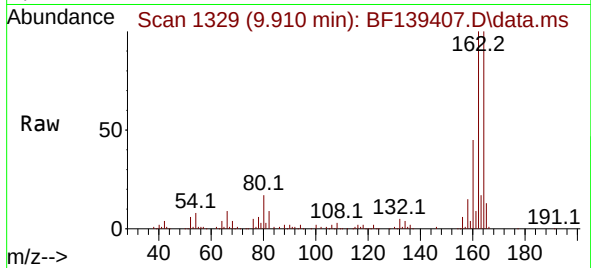




#51
2,6-Dinitrotoluene
Concen: 9.286 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

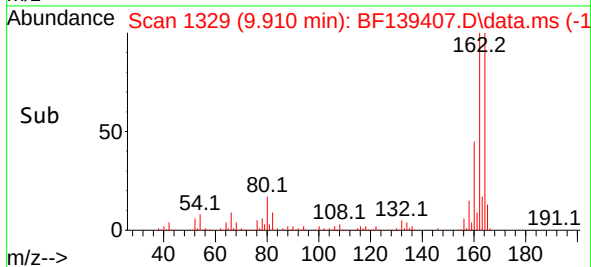
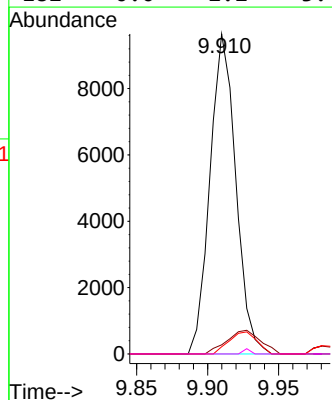
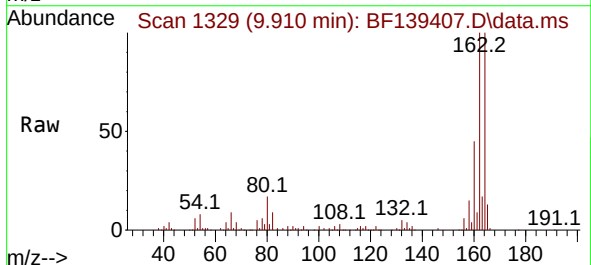
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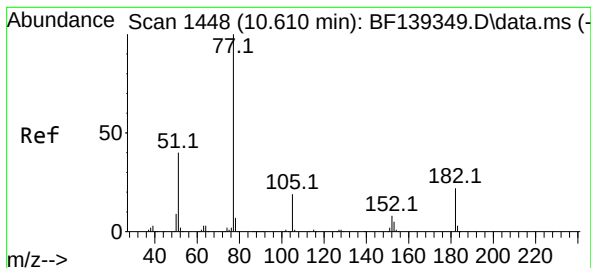
Tgt Ion:165 Resp: 12193
Ion Ratio Lower Upper
165 100
63 2.9 60.9 91.3#
89 2.3 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.878 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion:165 Resp: 12193
Ion Ratio Lower Upper
165 100
63 2.9 47.8 71.6#
89 2.3 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.526 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 77 Resp: 21211

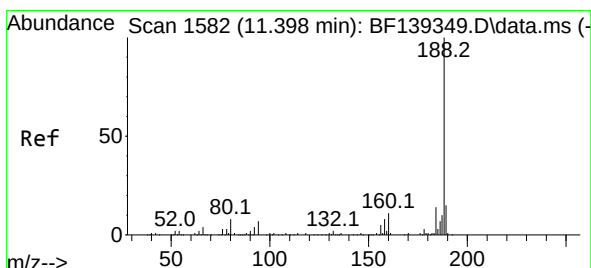
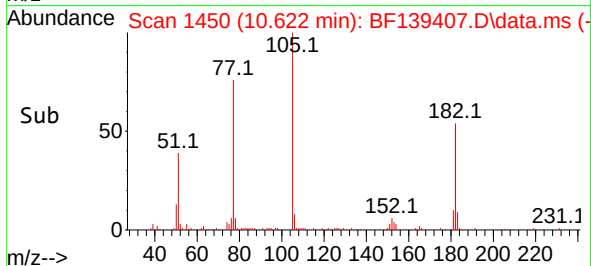
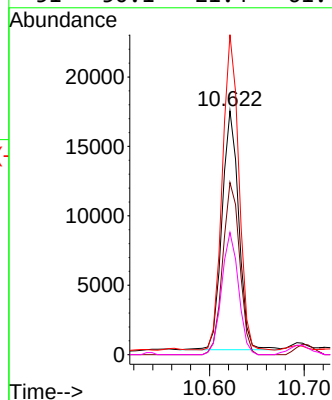
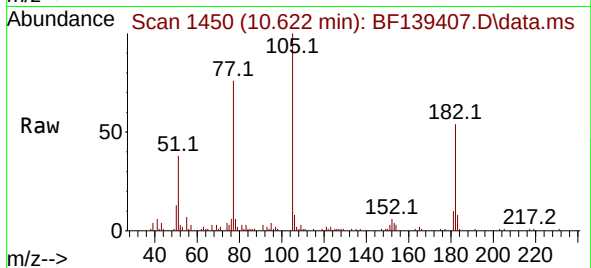
Ion Ratio Lower Upper

77 100

182 70.6 1.8 41.8#

105 131.2 0.0 38.6#

51 50.1 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

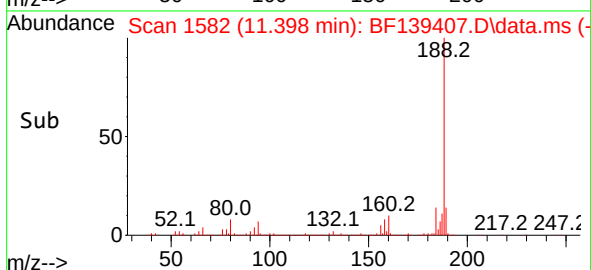
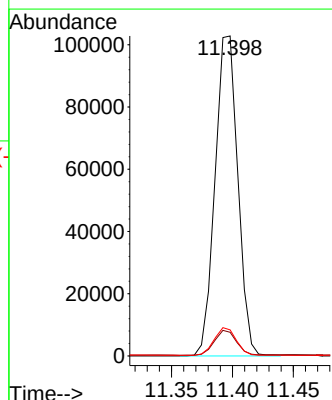
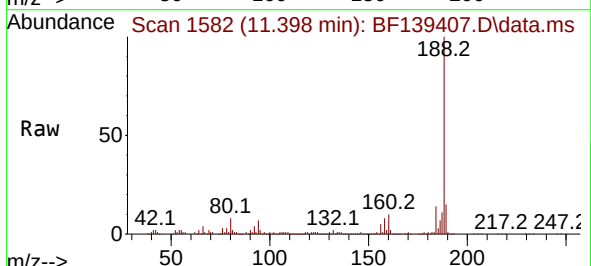
Tgt Ion: 188 Resp: 134117

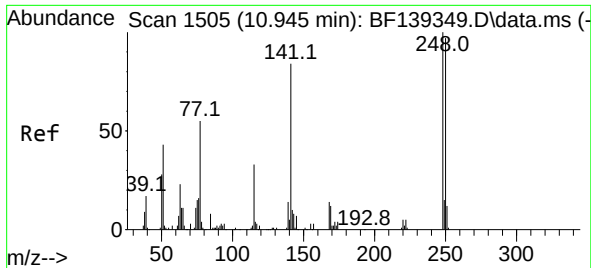
Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

80 8.1 6.6 9.8

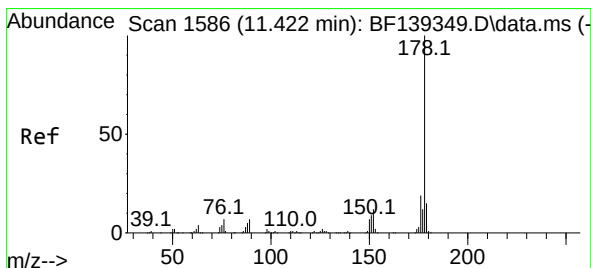
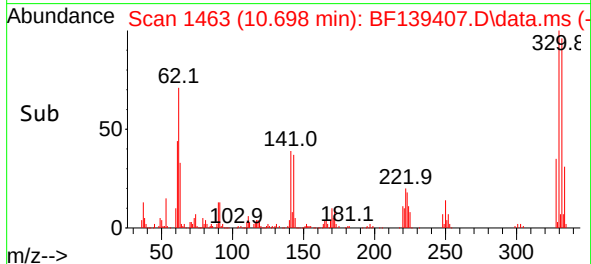
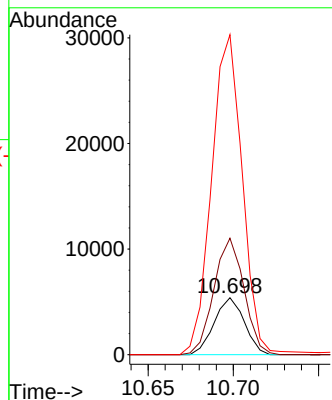
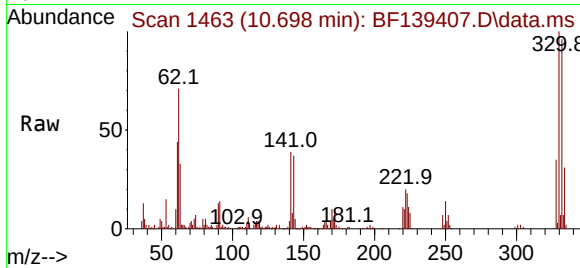




#67
4-Bromophenyl-phenylether
Concen: 4.979 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

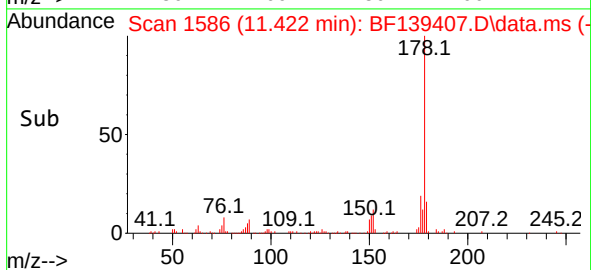
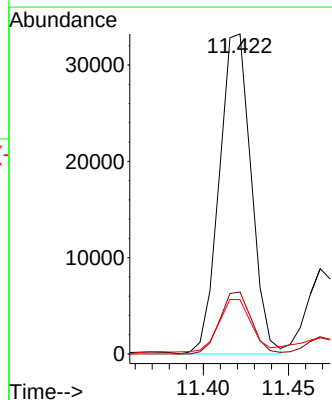
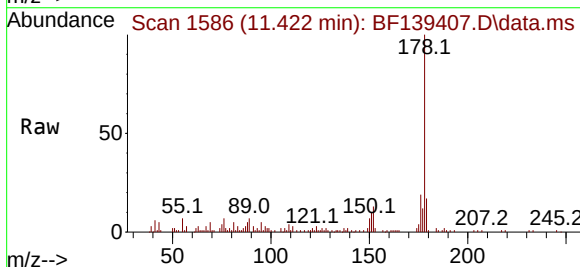
Instrument :
BNA_F
ClientSampleId :
TP-2

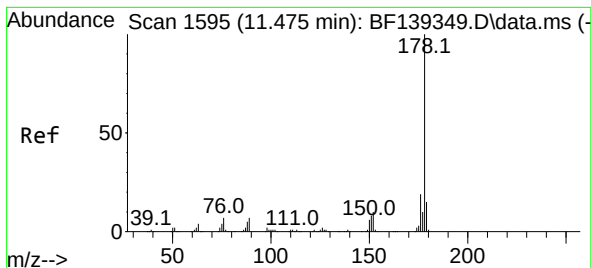
Tgt Ion:248 Resp: 6618
Ion Ratio Lower Upper
248 100
250 204.6 77.6 116.4#
141 561.9 66.9 100.3#



#71
Phenanthrene
Concen: 6.678 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion:178 Resp: 43210
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 16.9 12.2 18.4





#72

Anthracene

Concen: 6.830 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.053 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

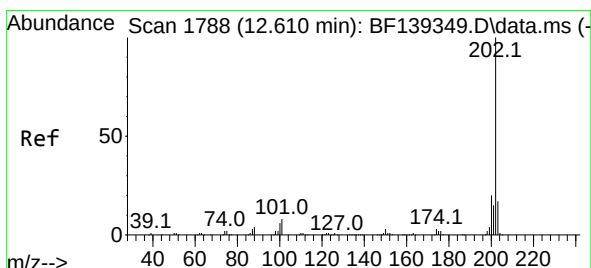
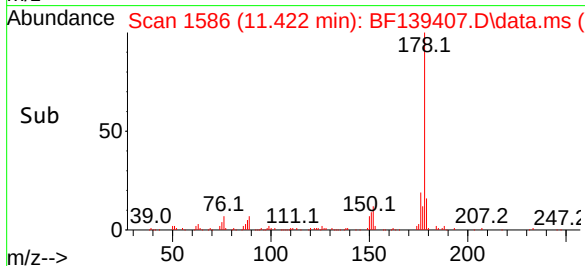
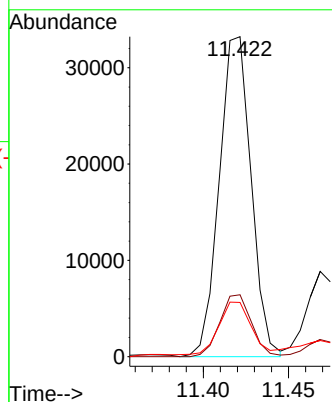
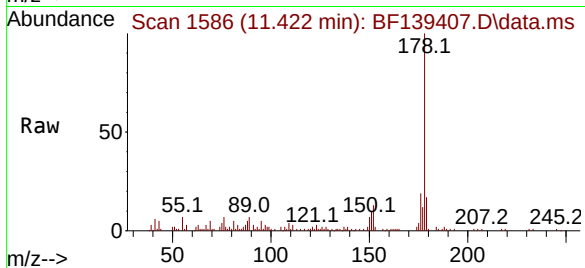
Tgt Ion:178 Resp: 43210

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 16.9 12.0 18.0



#75

Fluoranthene

Concen: 12.655 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

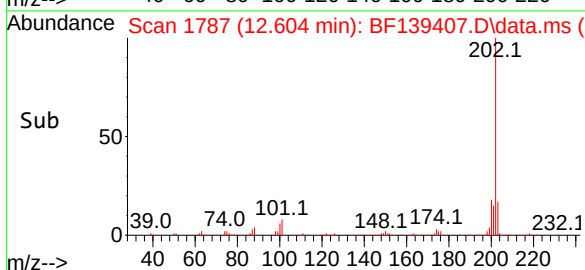
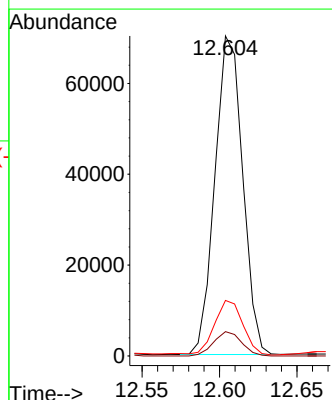
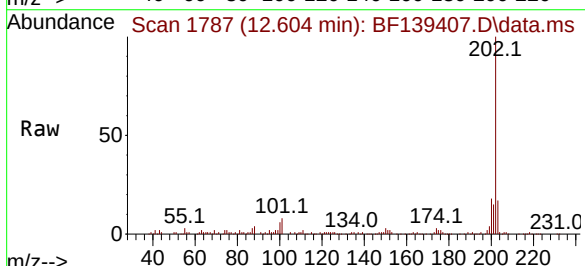
Tgt Ion:202 Resp: 87450

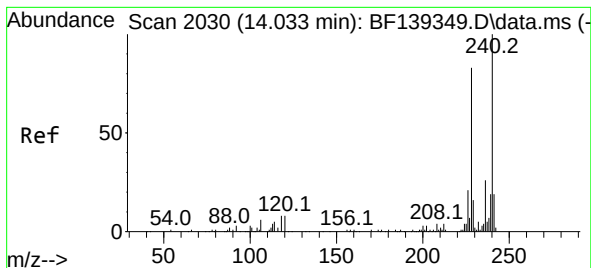
Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.7

203 17.3 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: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

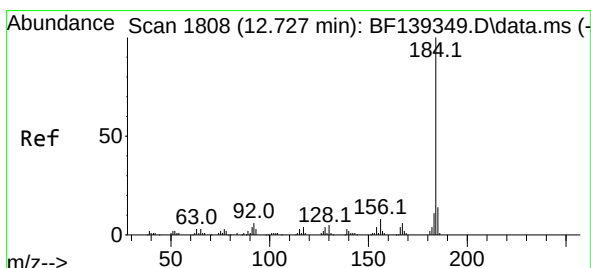
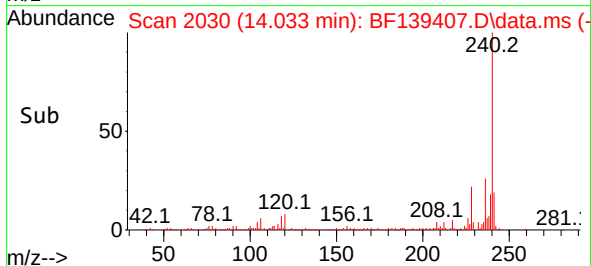
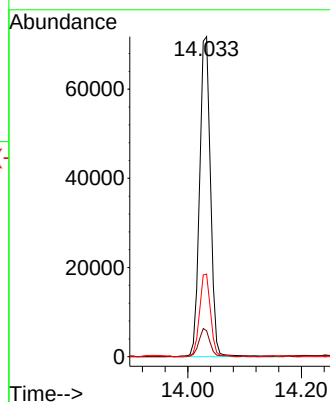
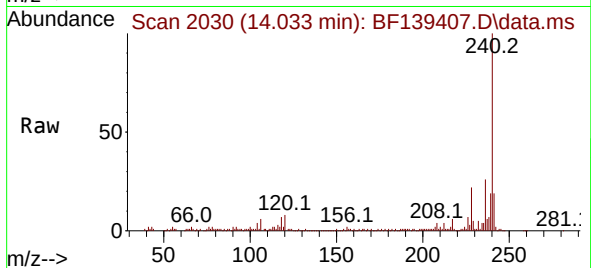
Tgt Ion:240 Resp: 95900

Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.2

236 25.8 20.9 31.3



#77

Benzidine

Concen: 5.307 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

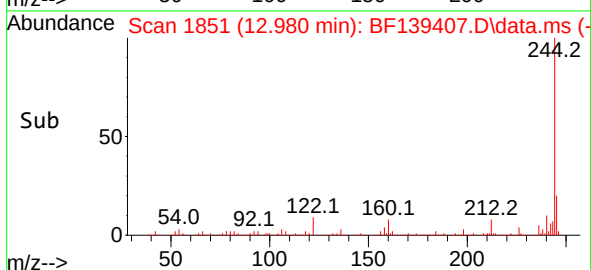
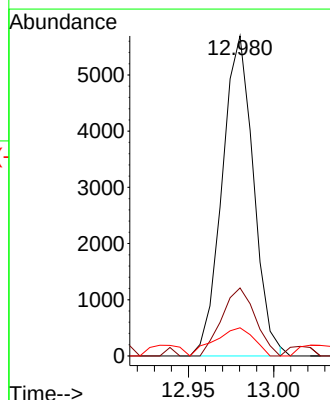
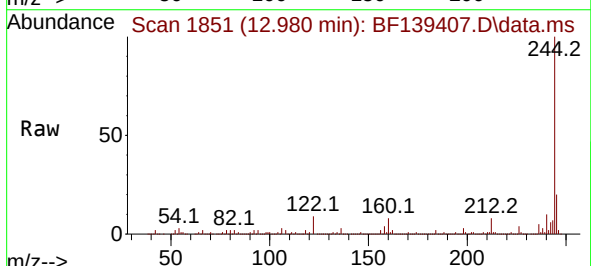
Tgt Ion:184 Resp: 7292

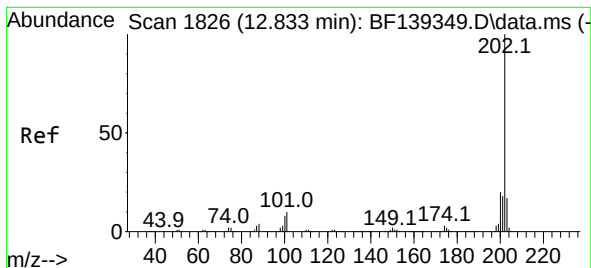
Ion Ratio Lower Upper

184 100

185 21.3 11.5 17.3#

183 8.8 8.9 13.3#





#78

Pyrene

Concen: 10.309 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

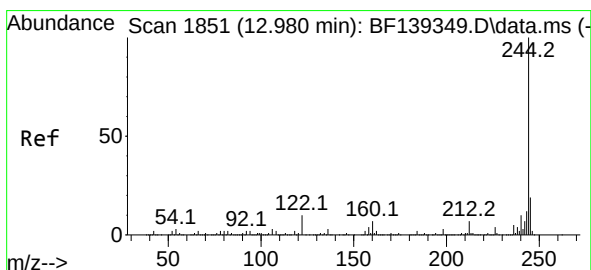
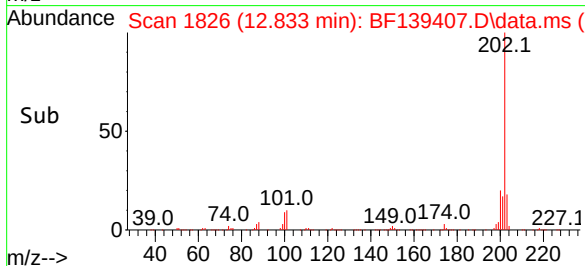
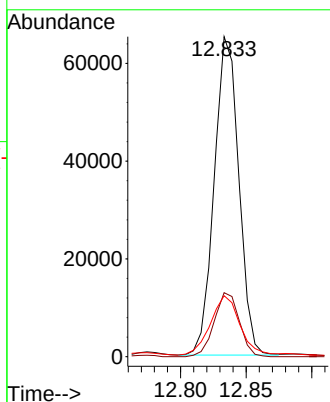
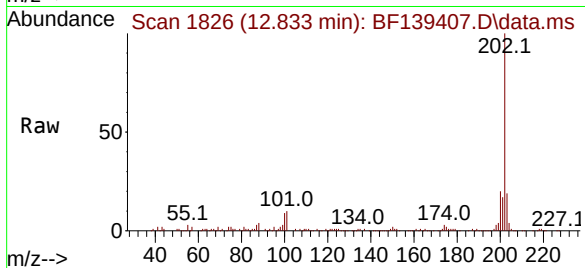
Tgt Ion:202 Resp: 84891

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 19.0 13.9 20.9



#79

Terphenyl-d14

Concen: 75.802 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

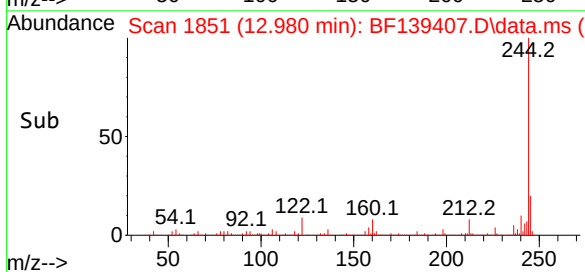
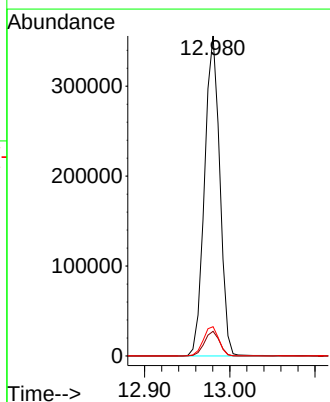
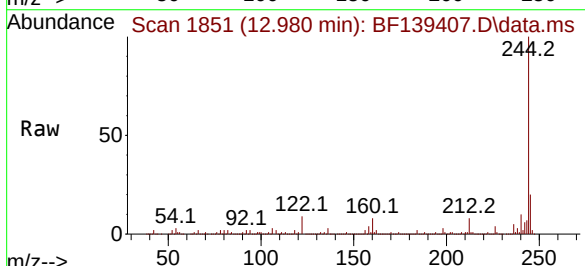
Tgt Ion:244 Resp: 442884

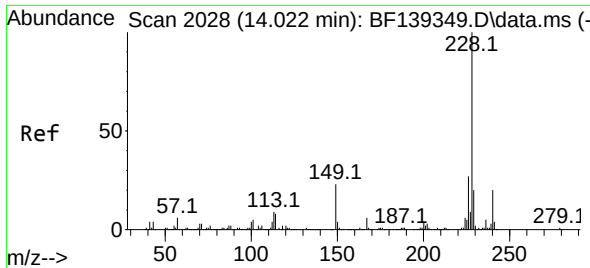
Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 9.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 7.777 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

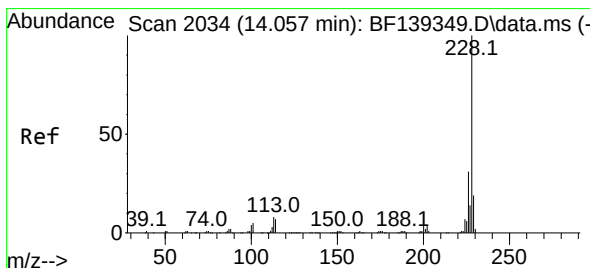
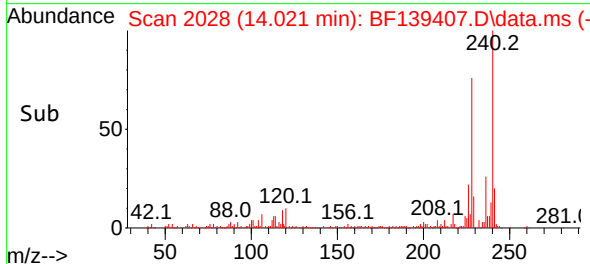
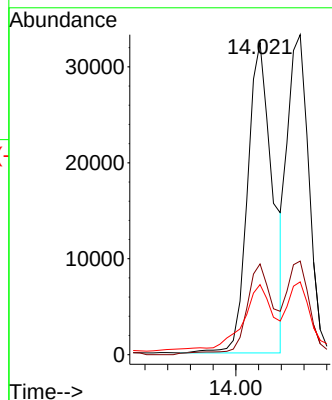
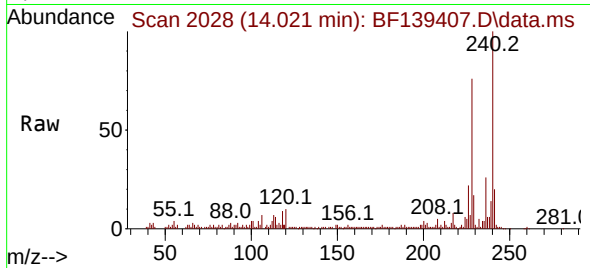
Tgt Ion:228 Resp: 49404

Ion Ratio Lower Upper

228 100

226 29.1 21.6 32.4

229 22.5 15.7 23.5



#83

Chrysene

Concen: 7.381 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

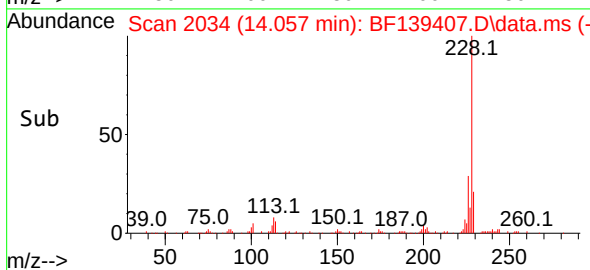
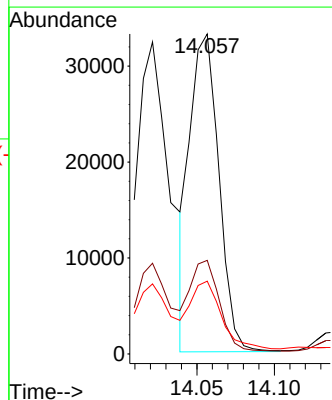
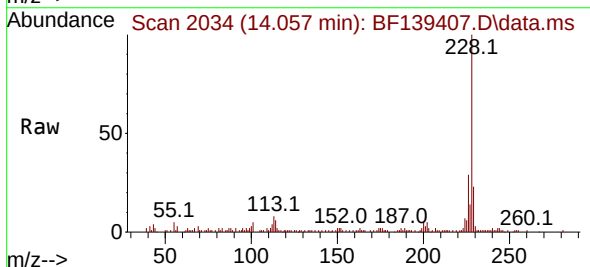
Tgt Ion:228 Resp: 43135

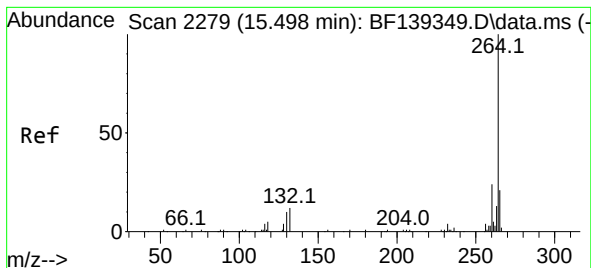
Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 22.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

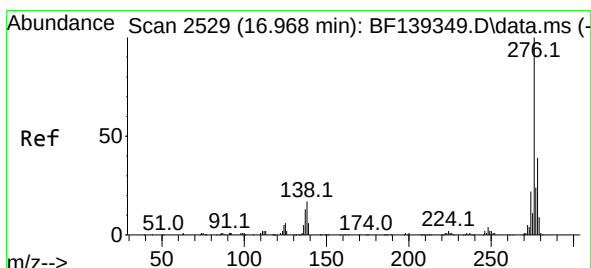
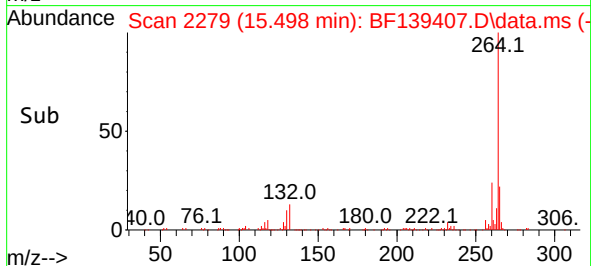
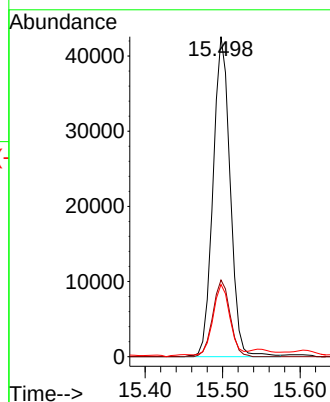
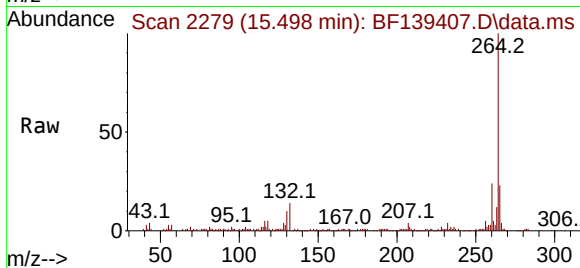
Tgt Ion:264 Resp: 65659

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.588 ng

RT: 16.962 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

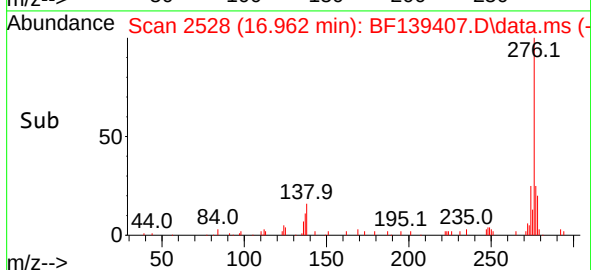
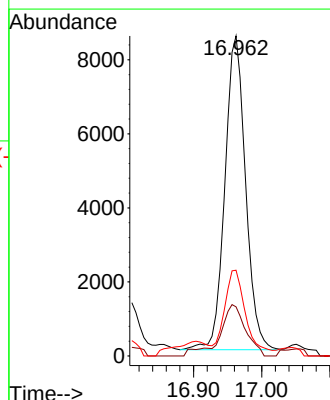
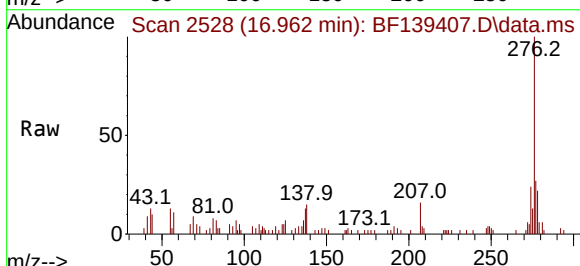
Tgt Ion:276 Resp: 17913

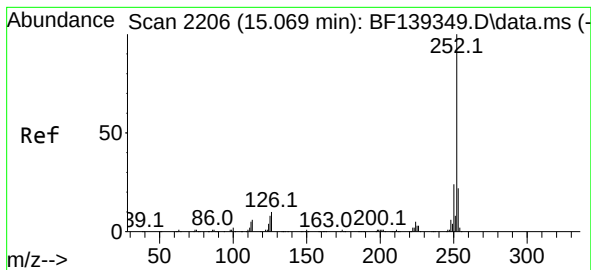
Ion Ratio Lower Upper

276 100

138 20.4 15.4 23.2

277 28.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.966 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

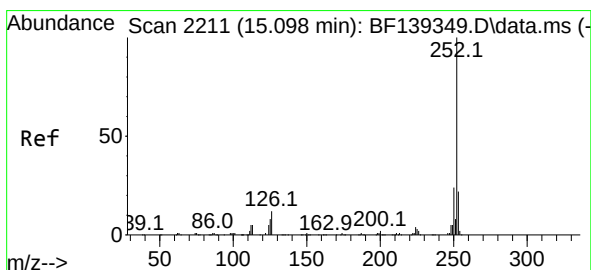
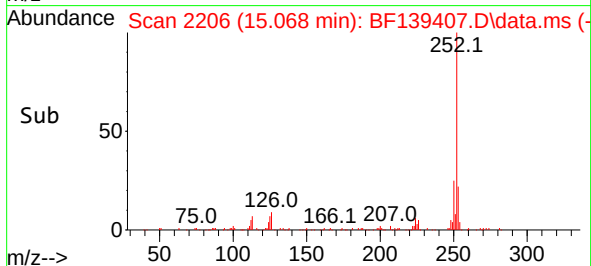
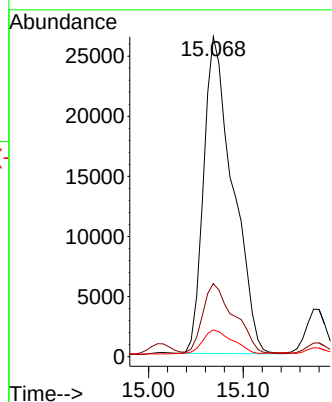
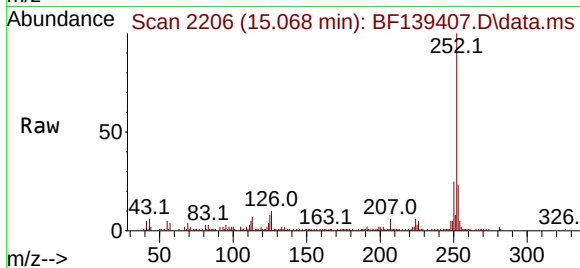
Tgt Ion:252 Resp: 56553

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 8.3 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 15.147 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

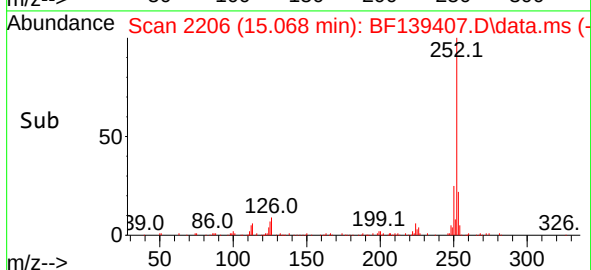
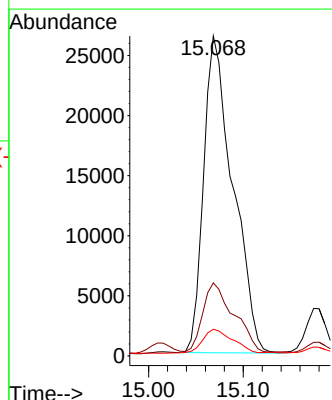
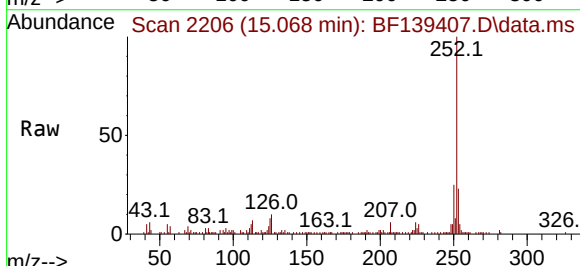
Tgt Ion:252 Resp: 56553

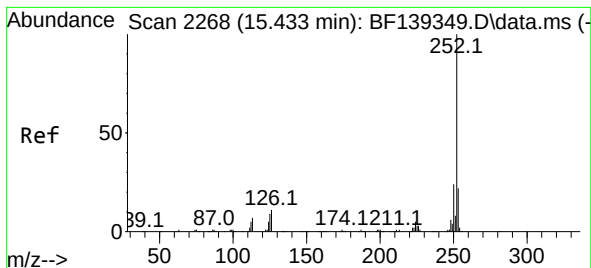
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 8.3 5.9 8.9





#90

Benzo(a)pyrene

Concen: 7.832 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

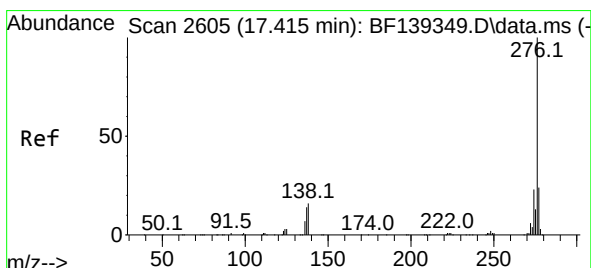
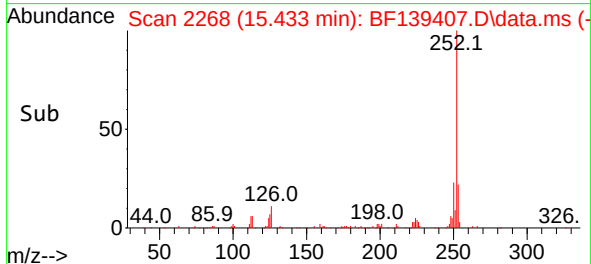
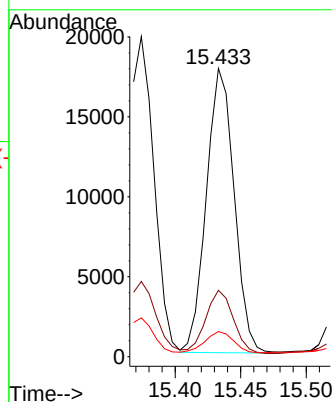
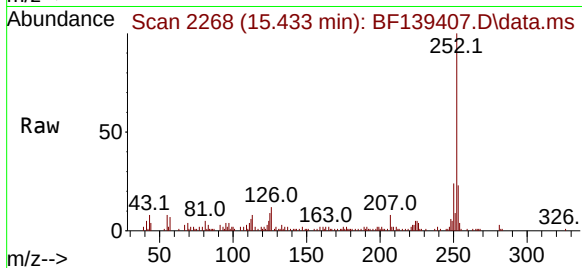
Tgt Ion:252 Resp: 26302

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 8.7 6.8 10.2



#92

Benzo(g,h,i)perylene

Concen: 5.843 ng

RT: 17.404 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Tgt Ion:276 Resp: 18665

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 19.6 13.0 19.6#

