

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136557.D
 Acq On : 14 Dec 2023 01:32
 Operator : CG\JU
 Sample : 05767-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMP

Quant Time: Dec 14 03:51:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

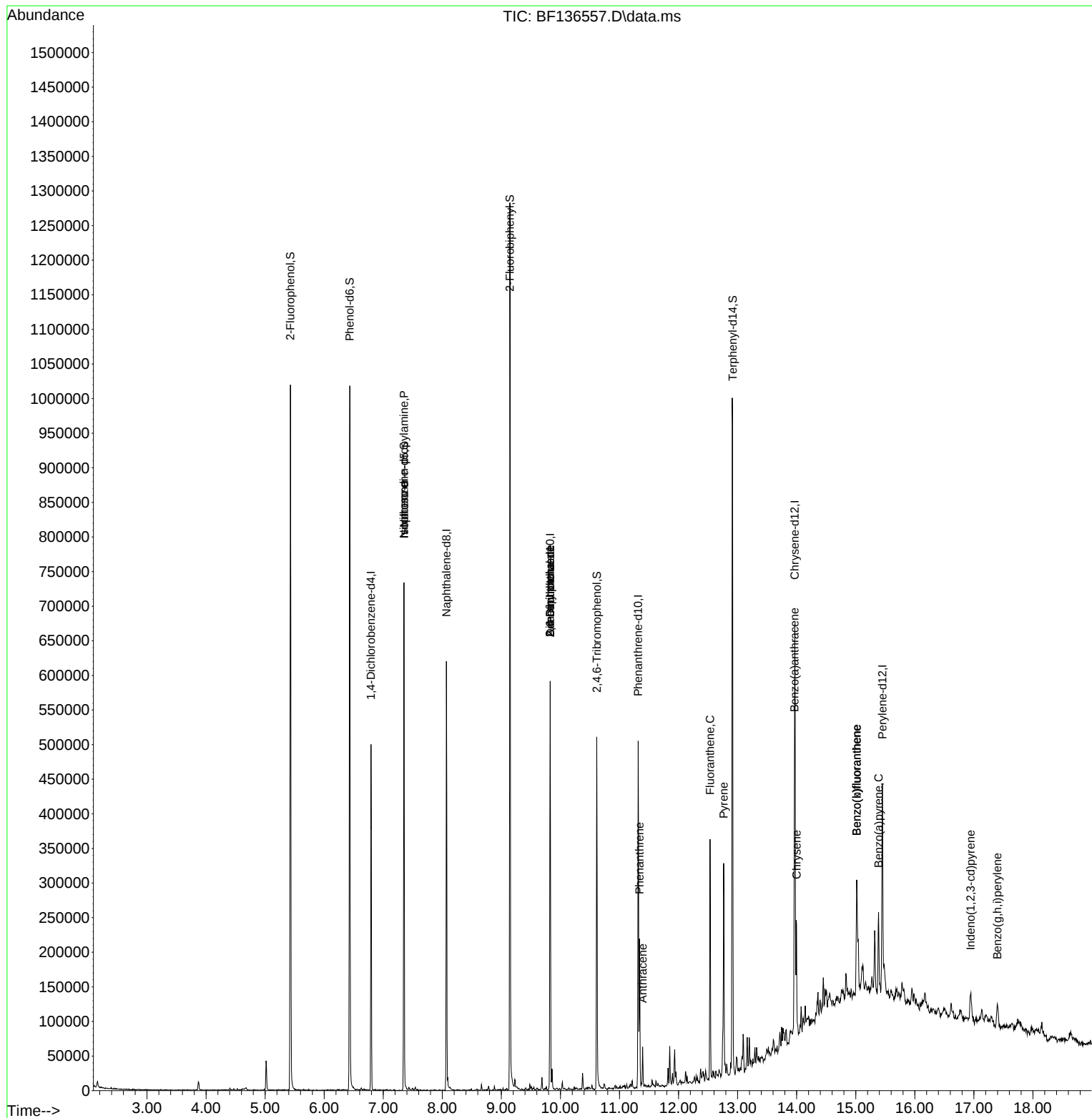
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72097	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	255343	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	112764	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	177560	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	168253	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	141567	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	271065	55.525	ng	0.00
7) Phenol-d6	6.434	99	335154	55.025	ng	-0.01
23) Nitrobenzene-d5	7.351	82	201784	42.721	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	62579	45.008	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	381652	46.182	ng	-0.02
79) Terphenyl-d14	12.916	244	361787	28.341	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	62	Below Cal	#	21
19) n-Nitroso-di-n-propyla...	7.351	70	25170	7.164	ng	# 81
25) Isophorone	7.351	82	201782	23.779	ng	# 65
50) Dimethylphthalate	9.828	163	22237	2.678	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	14204	7.605	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	14204	5.749	ng	# 27
71) Phenanthrene	11.339	178	73582	7.540	ng	98
72) Anthracene	11.392	178	19736	2.008	ng	96
75) Fluoranthene	12.533	202	134064	13.108	ng	98
77) Benzidine	12.910	184	4593	Below Cal	#	95
78) Pyrene	12.763	202	124771	7.572	ng	97
81) Benzo(a)anthracene	13.963	228	77822	6.640	ng	100
83) Chrysene	13.998	228	69733	6.048	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	30132	3.064	ng	# 94
88) Benzo(b)fluoranthene	15.015	252	115866	11.970	ng	95
89) Benzo(k)fluoranthene	15.015	252	115866	12.702	ng	95
90) Benzo(a)pyrene	15.386	252	57643	7.211	ng	98
92) Benzo(g,h,i)perylene	17.398	276	30672	3.709	ng	98

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

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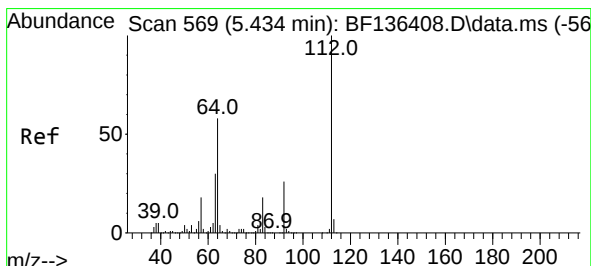
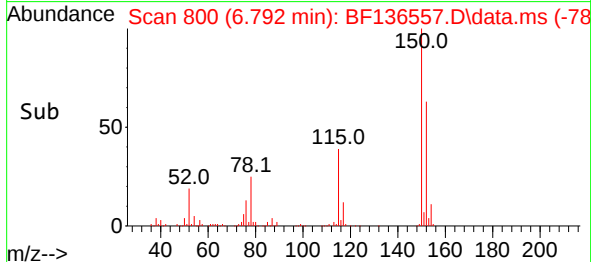
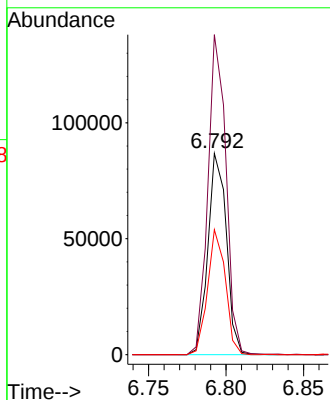
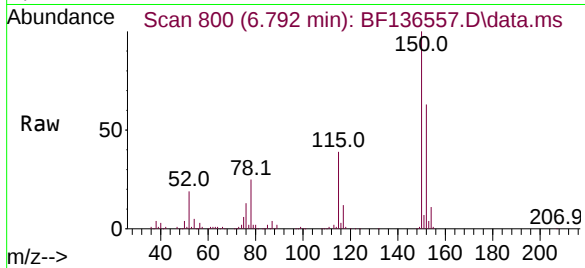




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136557.D
 Acq: 14 Dec 2023 01:32

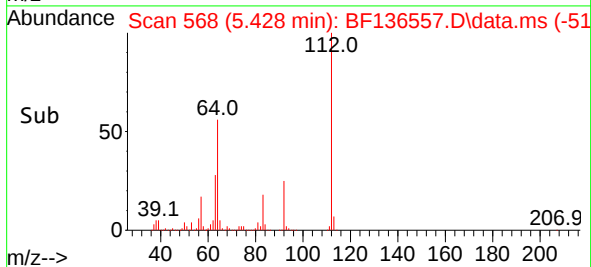
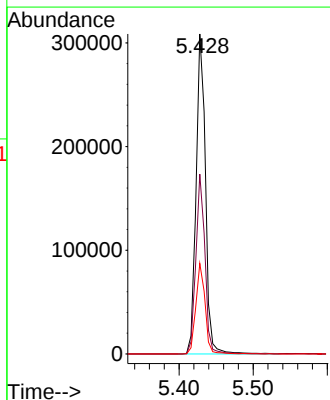
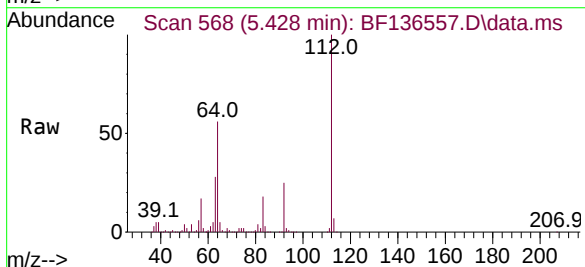
Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMP

Tgt Ion:152 Resp: 72097
 Ion Ratio Lower Upper
 152 100
 150 158.9 126.4 189.6
 115 62.1 48.2 72.4



#5
 2-Fluorophenol
 Concen: 55.525 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136557.D
 Acq: 14 Dec 2023 01:32

Tgt Ion:112 Resp: 271065
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.5 69.7
 63 28.3 23.9 35.9

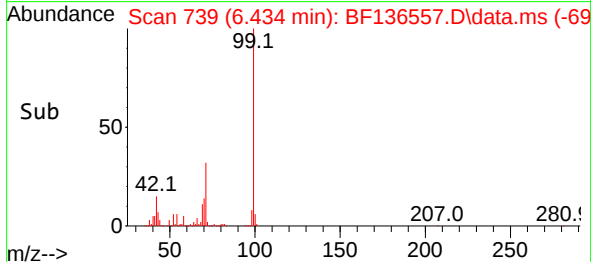
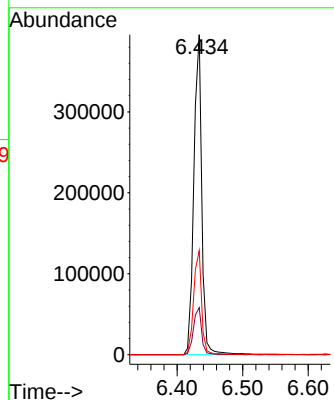
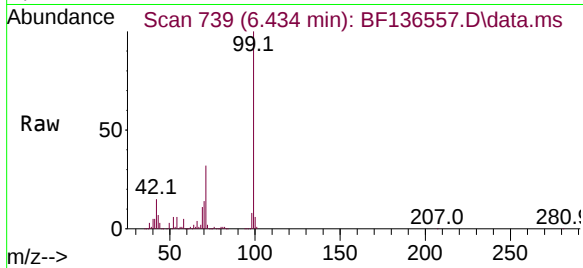




#7
Phenol-d6
Concen: 55.025 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

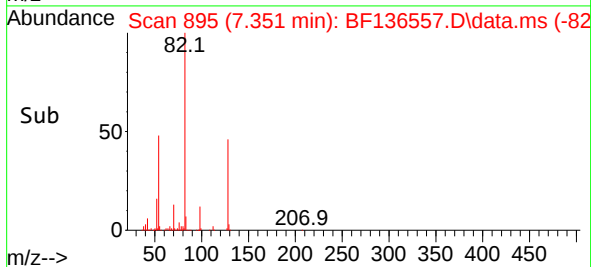
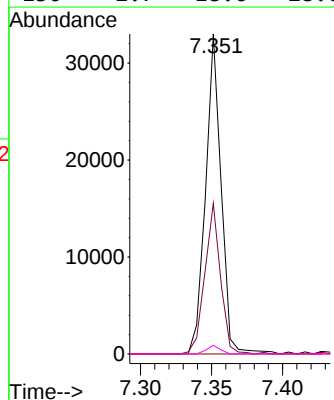
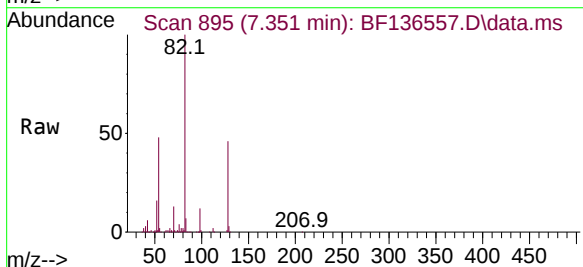
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BNA_F
ClientSampleId :
SP-E1-COMP

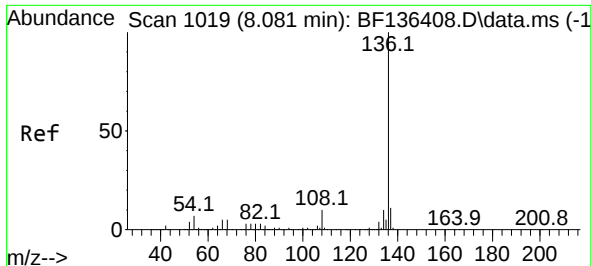
Tgt Ion: 99 Resp: 335154
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 32.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.164 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion: 70 Resp: 25170
Ion Ratio Lower Upper
70 100
42 47.1 41.4 62.0
101 0.0 8.2 12.4#
130 2.7 18.6 28.0#

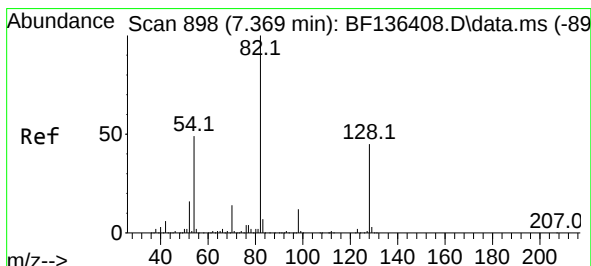
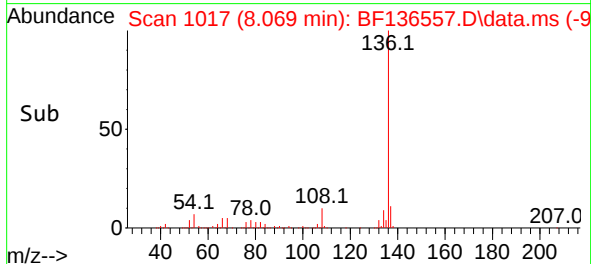
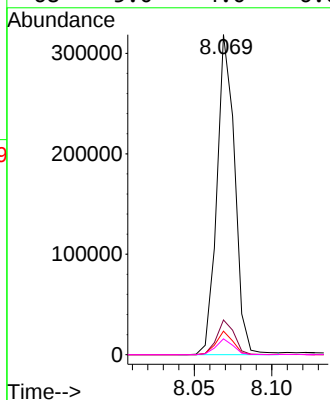
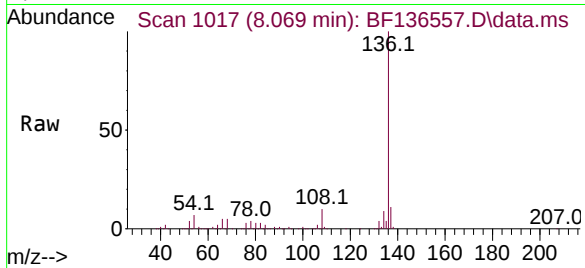




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

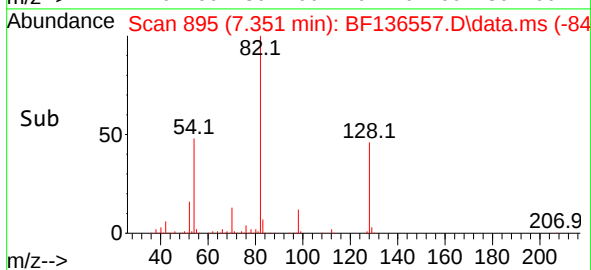
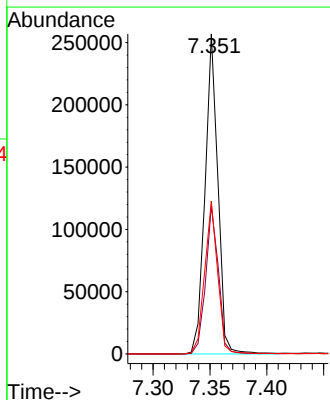
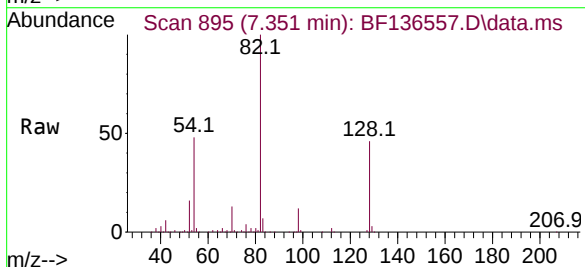
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

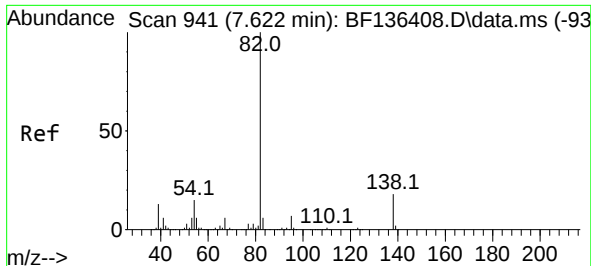
Tgt Ion:136 Resp: 255343
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.4 5.7 8.5
68 5.0 4.0 6.0



#23
Nitrobenzene-d5
Concen: 42.721 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion: 82 Resp: 201784
Ion Ratio Lower Upper
82 100
128 46.3 36.3 54.5
54 47.8 39.0 58.6

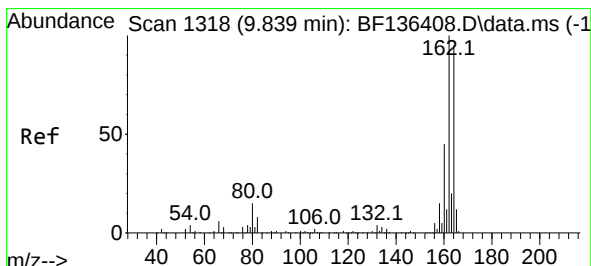
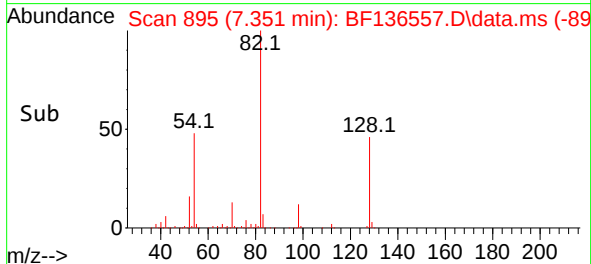
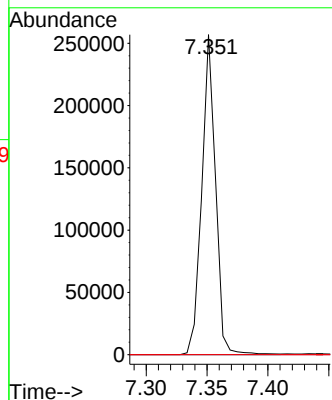
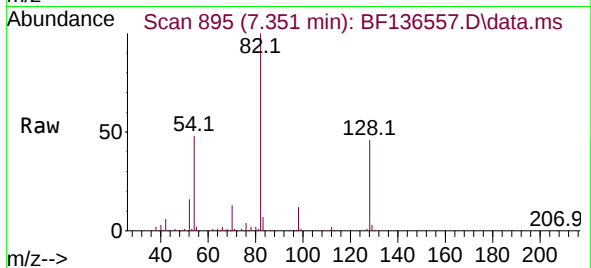




#25
Isophorone
Concen: 23.779 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

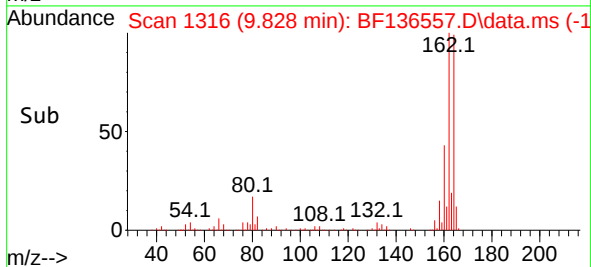
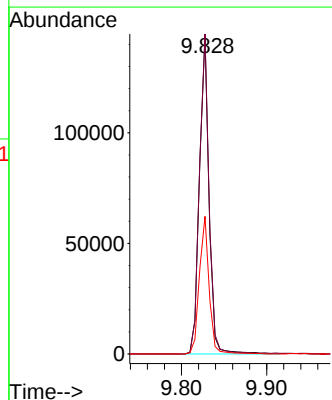
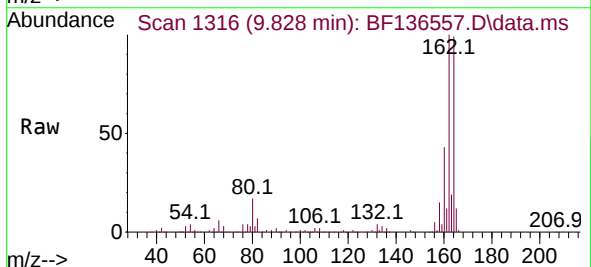
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Tgt Ion: 82 Resp: 201782
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:164 Resp: 112764
Ion Ratio Lower Upper
164 100
162 100.8 84.4 126.6
160 43.3 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 45.008 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF136557.D

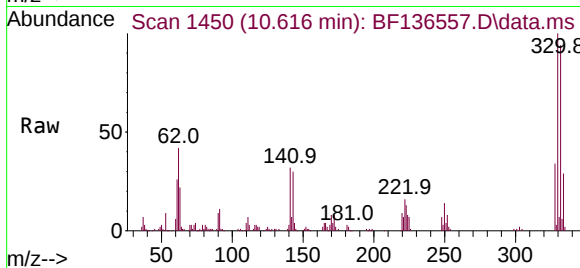
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP



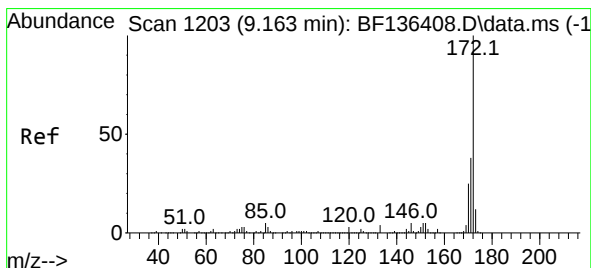
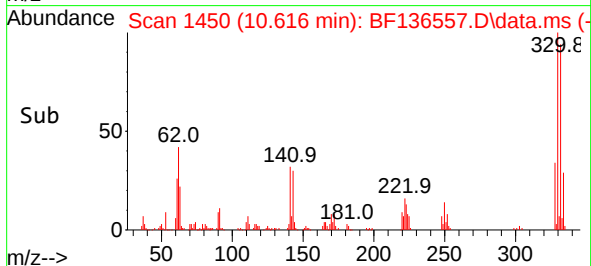
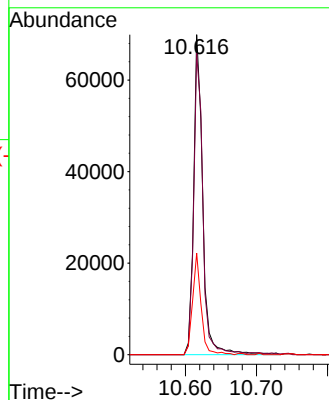
Tgt Ion:330 Resp: 62579

Ion Ratio Lower Upper

330 100

332 94.6 76.4 114.6

141 29.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 46.182 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

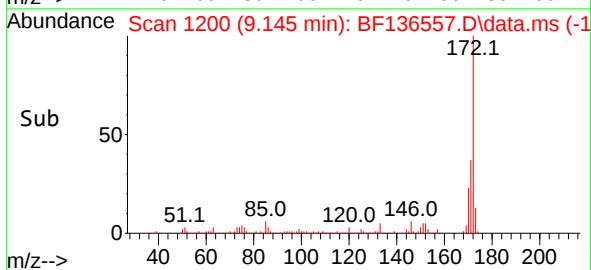
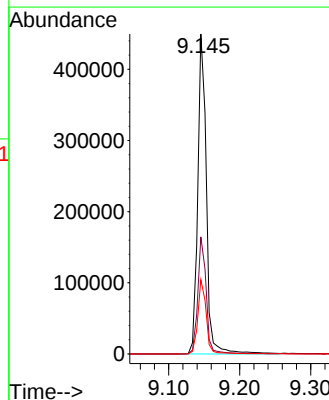
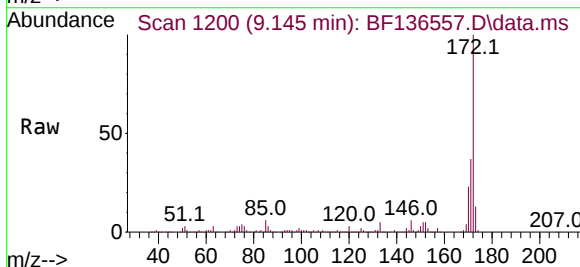
Tgt Ion:172 Resp: 381652

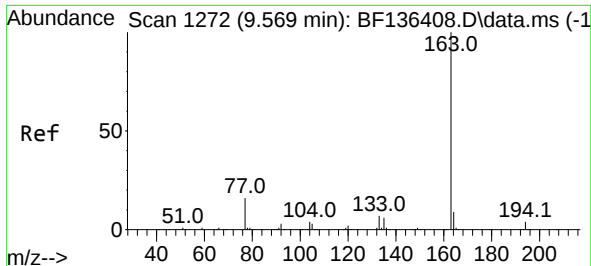
Ion Ratio Lower Upper

172 100

171 36.6 30.5 45.7

170 23.2 19.9 29.9

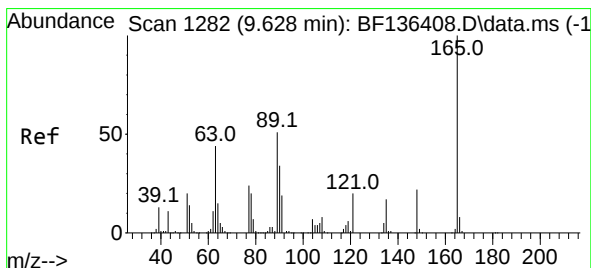
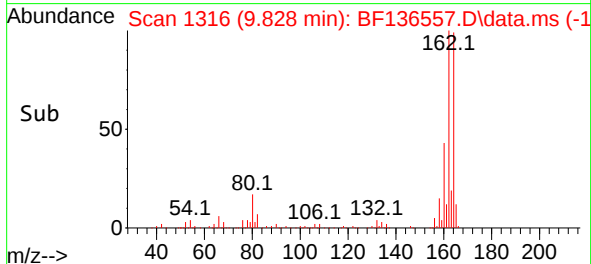
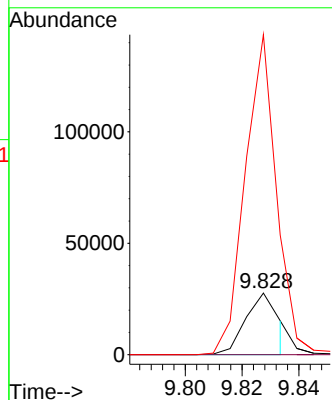
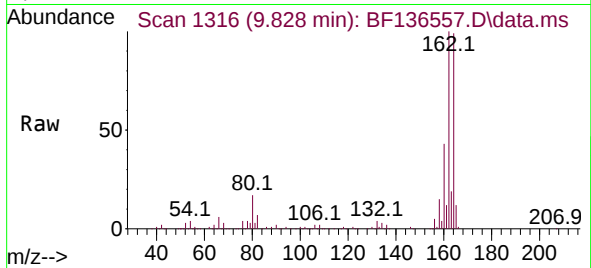




#50
Dimethylphthalate
Concen: 2.678 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

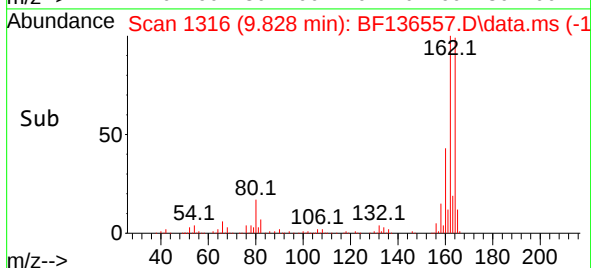
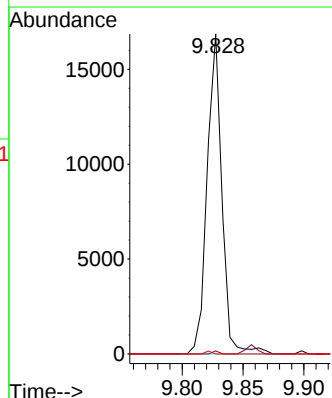
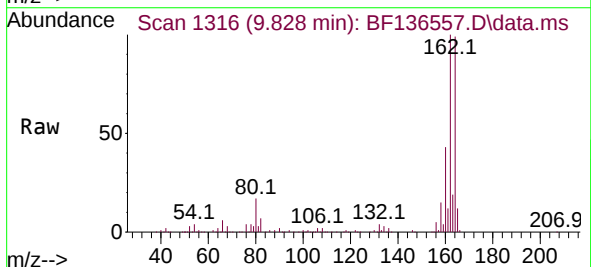
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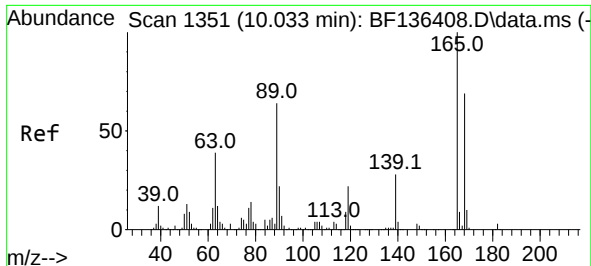
Tgt Ion:163 Resp: 22237
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 519.9 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.605 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:165 Resp: 14204
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 0.0 40.6 60.8#

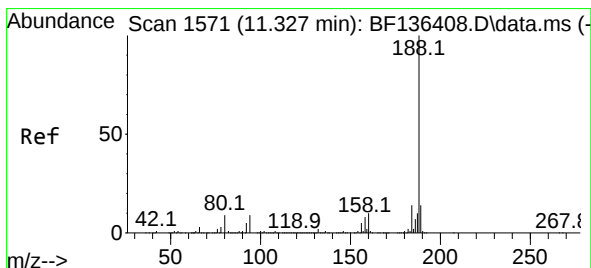
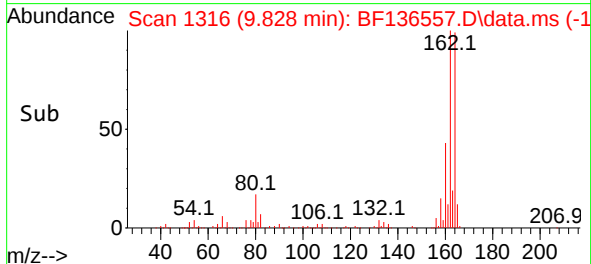
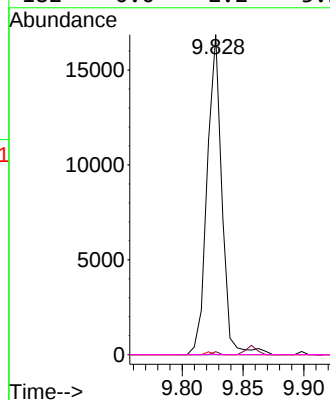
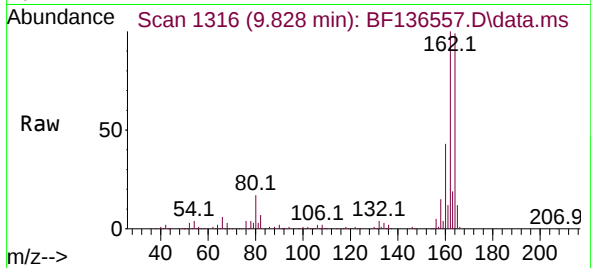




#57
2,4-Dinitrotoluene
Concen: 5.749 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

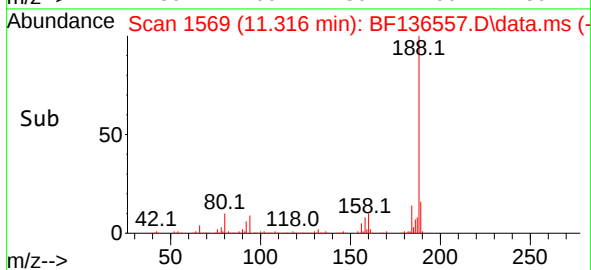
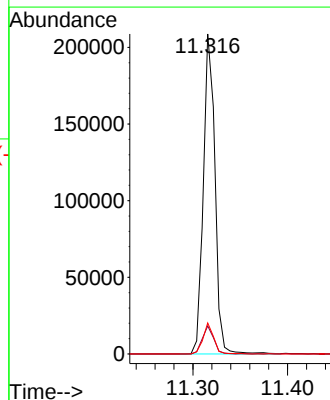
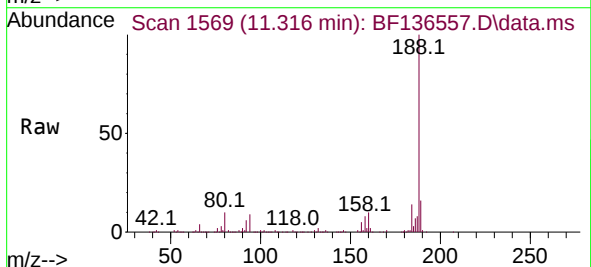
Instrument :
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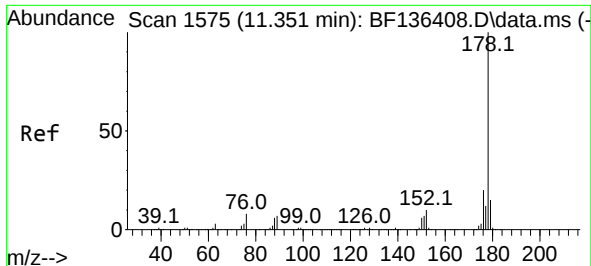
Tgt Ion:165 Resp: 14204
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 0.0 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:188 Resp: 177560
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 7.2 10.8

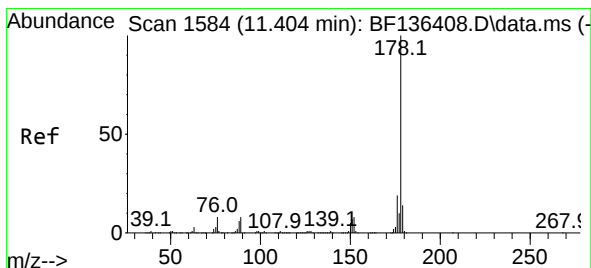
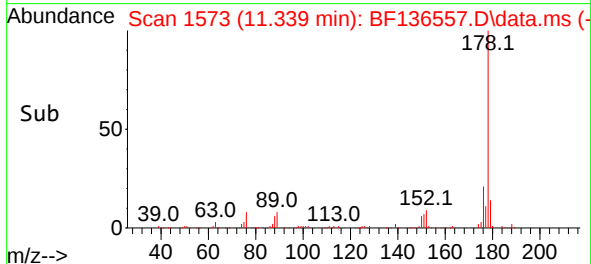
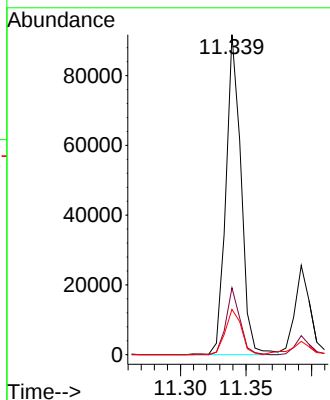
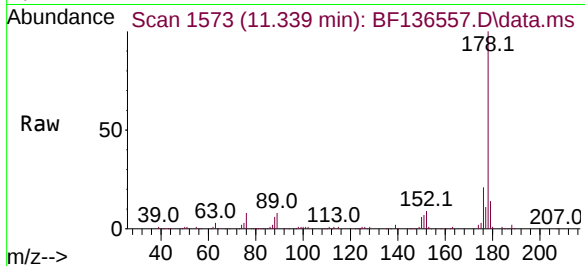




#71
Phenanthrene
Concen: 7.540 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

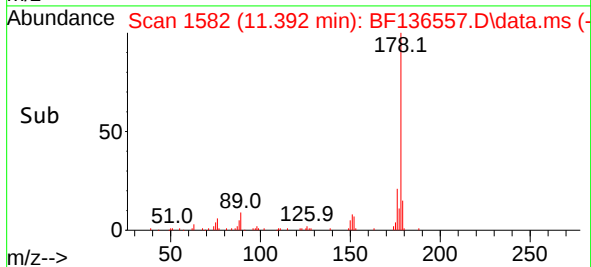
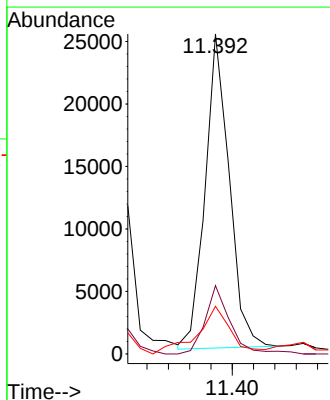
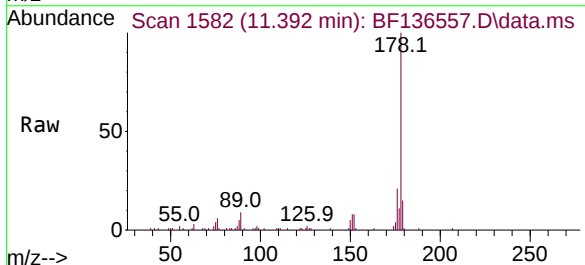
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

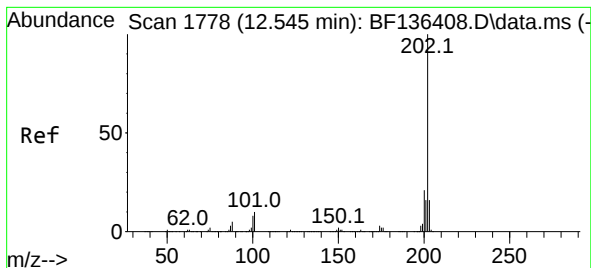
Tgt Ion:178 Resp: 73582
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 14.2 11.8 17.6



#72
Anthracene
Concen: 2.008 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:178 Resp: 19736
Ion Ratio Lower Upper
178 100
176 21.3 15.3 22.9
179 14.9 11.4 17.0





#75

Fluoranthene

Concen: 13.108 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

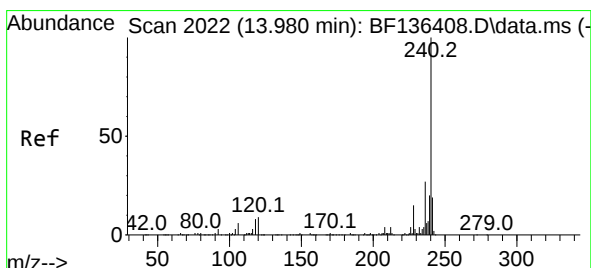
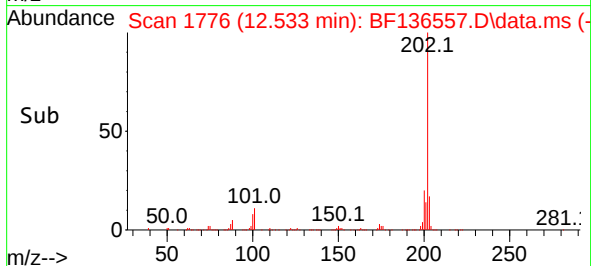
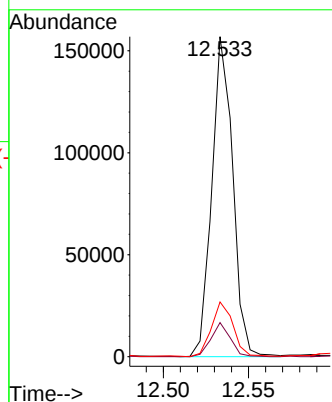
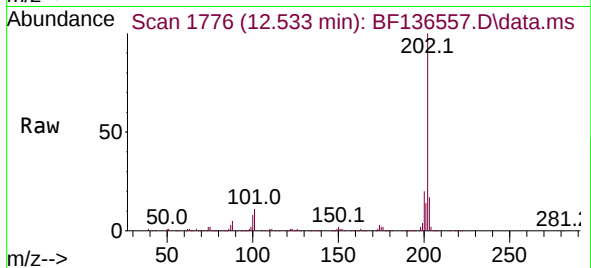
Tgt Ion:202 Resp: 134064

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.9

203 17.1 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

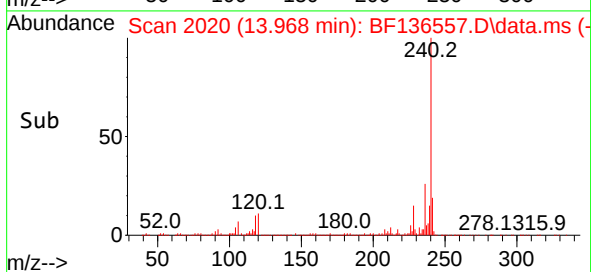
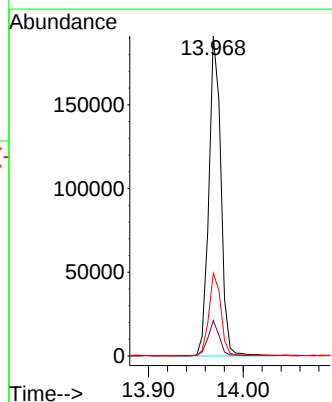
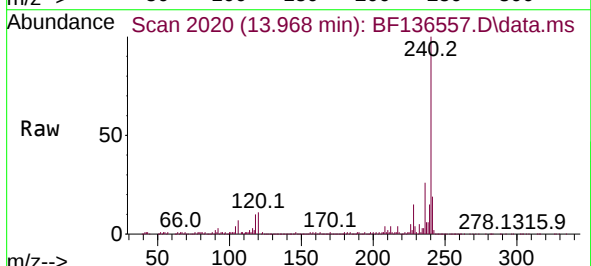
Tgt Ion:240 Resp: 168253

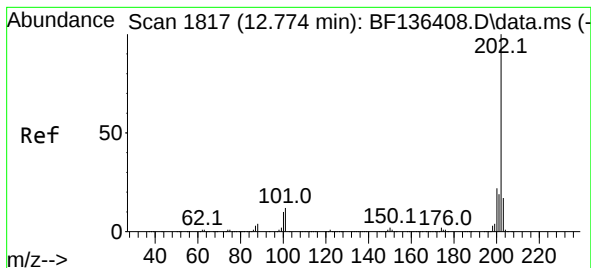
Ion Ratio Lower Upper

240 100

120 11.1 7.3 10.9#

236 25.8 21.3 31.9





#78

Pyrene

Concen: 7.572 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

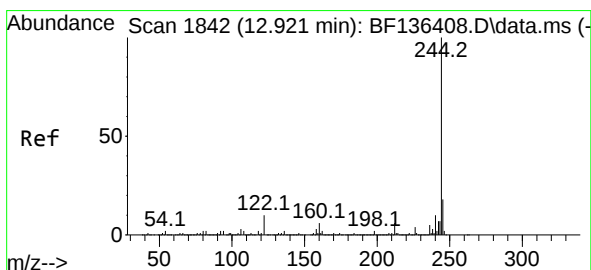
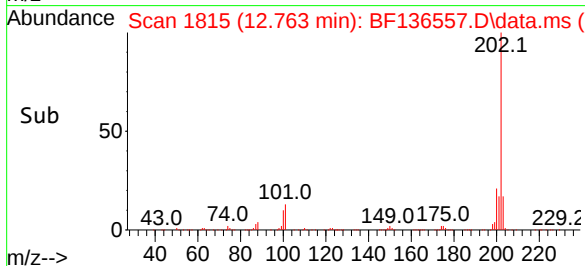
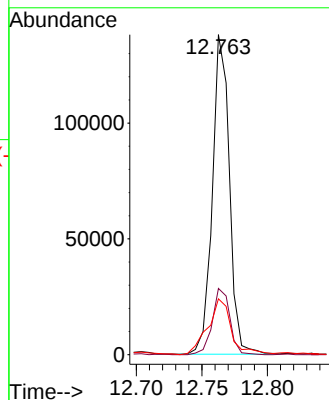
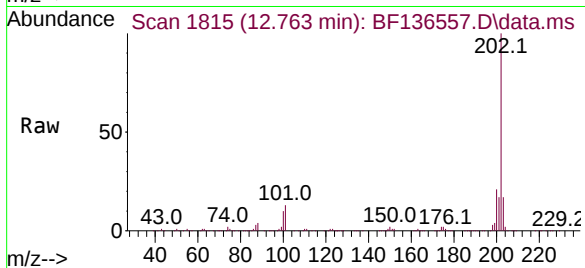
Tgt Ion:202 Resp: 124771

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

203 17.5 13.5 20.3



#79

Terphenyl-d14

Concen: 28.341 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

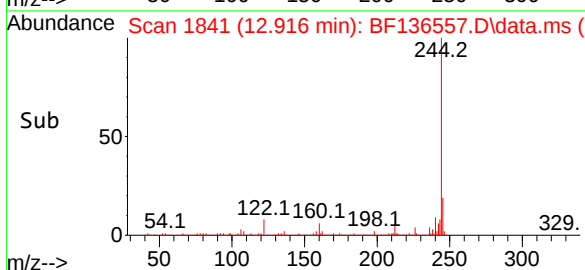
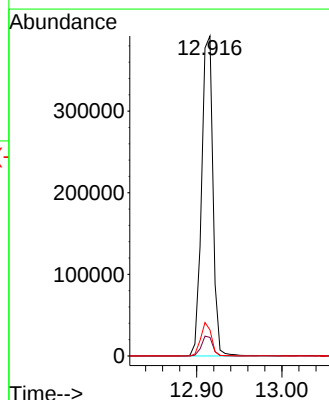
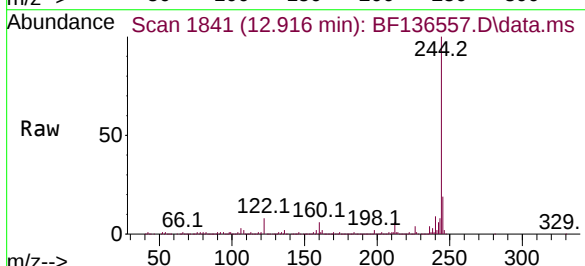
Tgt Ion:244 Resp: 361787

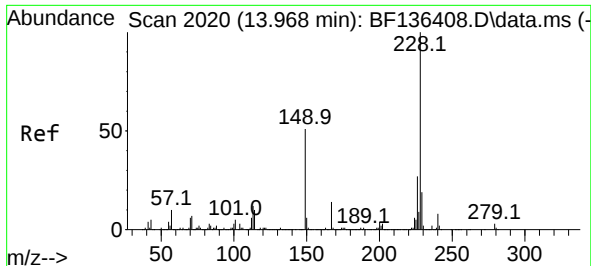
Ion Ratio Lower Upper

244 100

212 5.8 5.0 7.4

122 8.2 8.3 12.5#

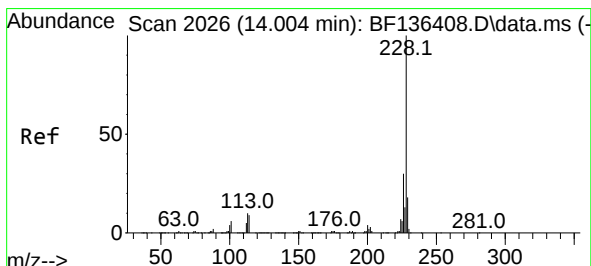
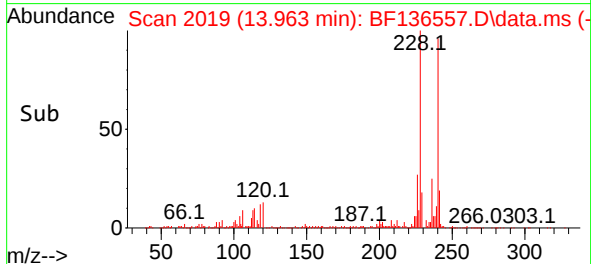
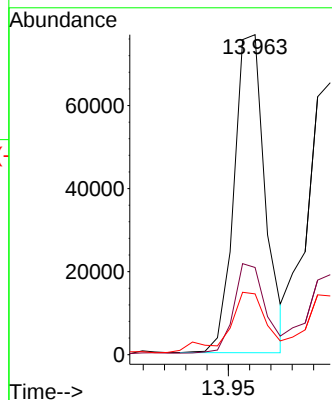
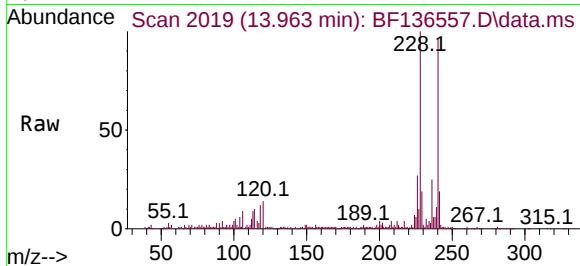




#81
Benzo(a)anthracene
Concen: 6.640 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

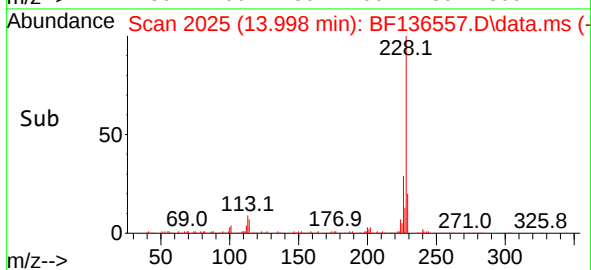
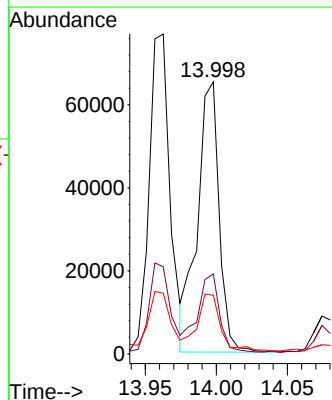
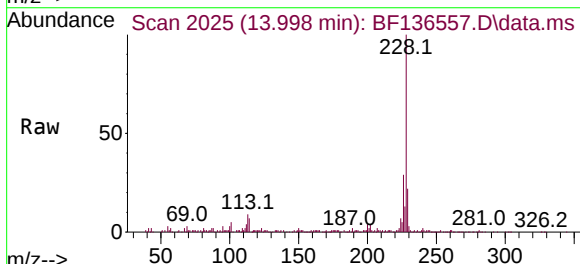
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

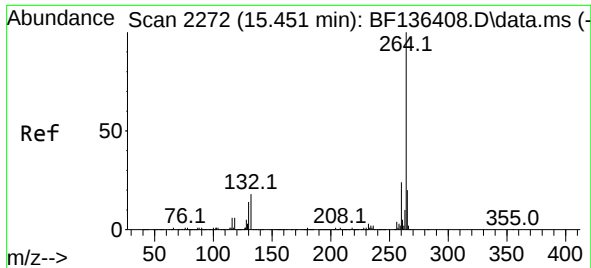
Tgt Ion:228 Resp: 77822
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.0 15.0 22.4



#83
Chrysene
Concen: 6.048 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:228 Resp: 69733
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.6 14.8 22.2



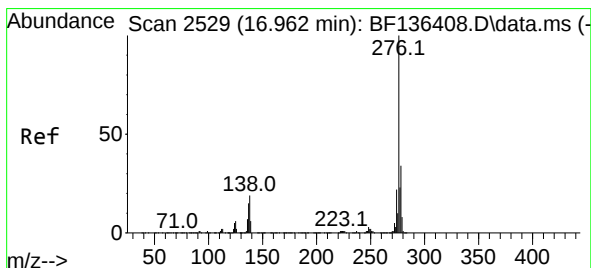
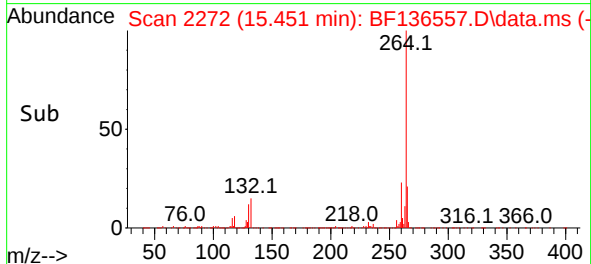
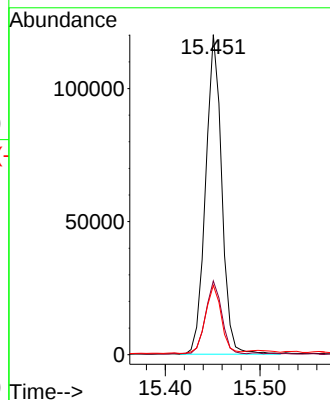
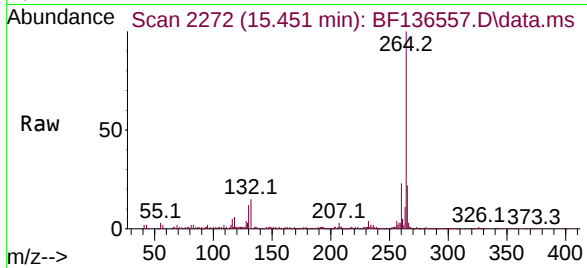


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Tgt Ion:264 Resp: 141567

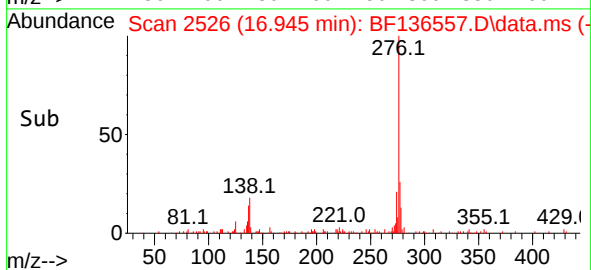
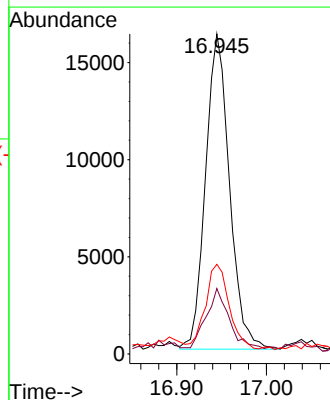
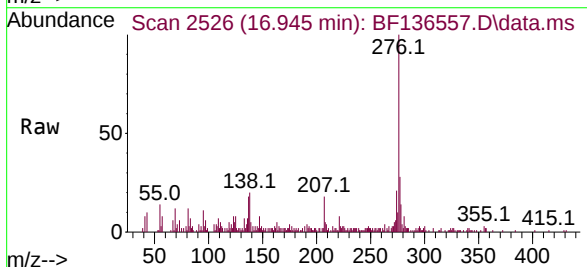
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.6	15.9	23.9

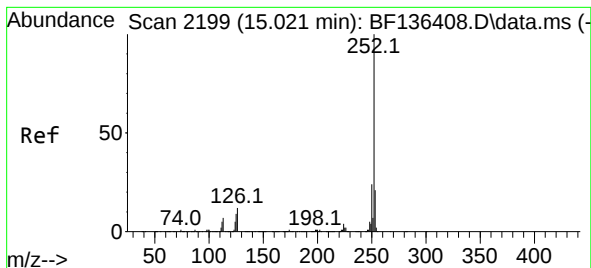


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.064 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:276 Resp: 30132

Ion	Ratio	Lower	Upper
276	100		
138	18.7	19.0	28.4#
277	26.4	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 11.970 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

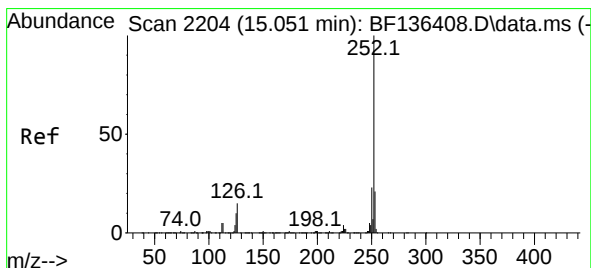
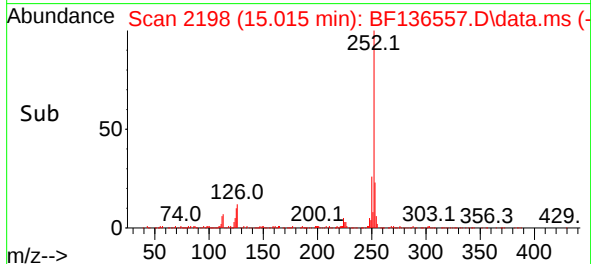
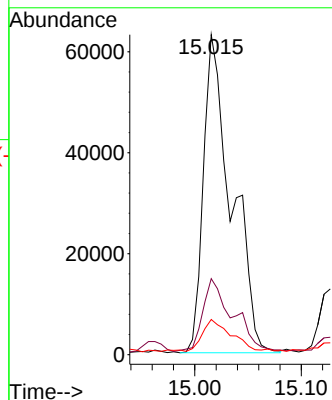
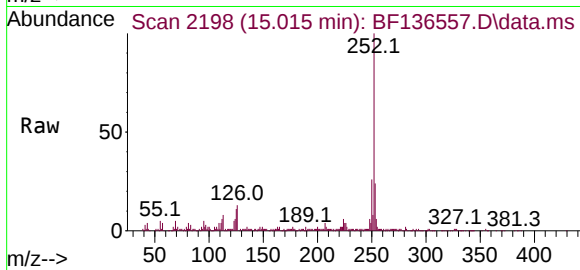
Tgt Ion:252 Resp: 115866

Ion Ratio Lower Upper

252 100

253 23.8 16.9 25.3

125 11.0 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 12.702 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

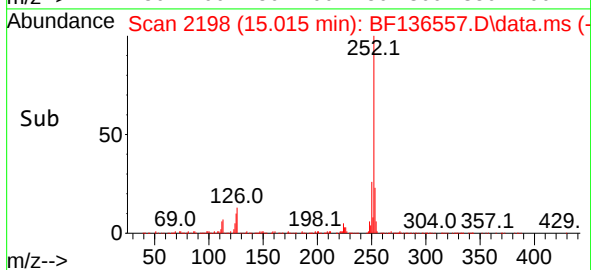
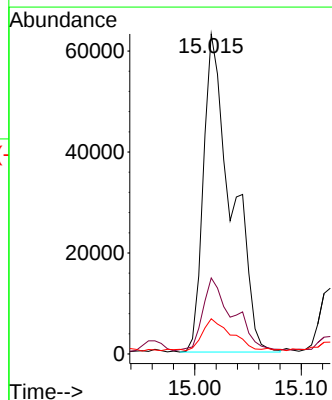
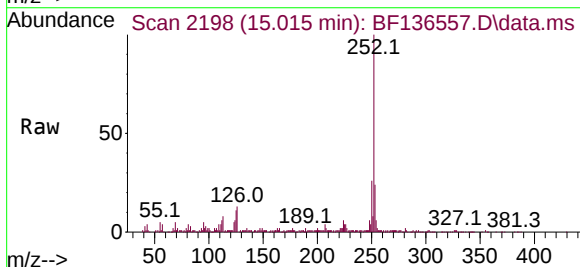
Tgt Ion:252 Resp: 115866

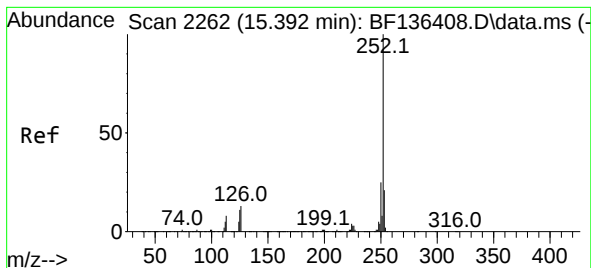
Ion Ratio Lower Upper

252 100

253 23.8 16.9 25.3

125 11.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.211 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

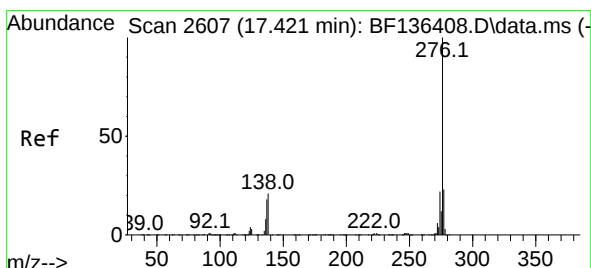
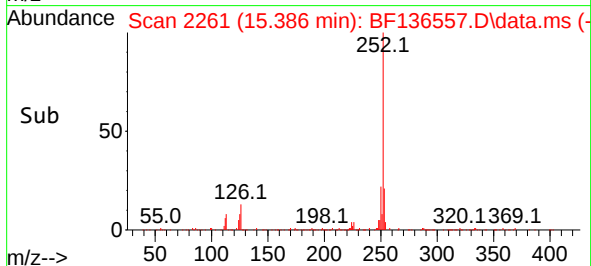
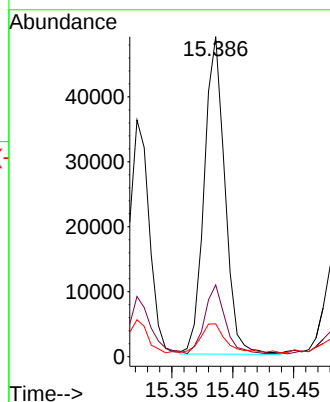
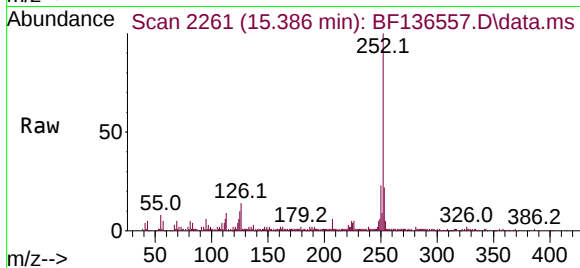
Tgt Ion:252 Resp: 57643

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

125 10.2 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 3.709 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.024 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Tgt Ion:276 Resp: 30672

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 21.8 16.6 25.0

