

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136623.D
 Acq On : 18 Dec 2023 19:42
 Operator : CG\JU
 Sample : 05767-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMPRE

Quant Time: Dec 19 01:06:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

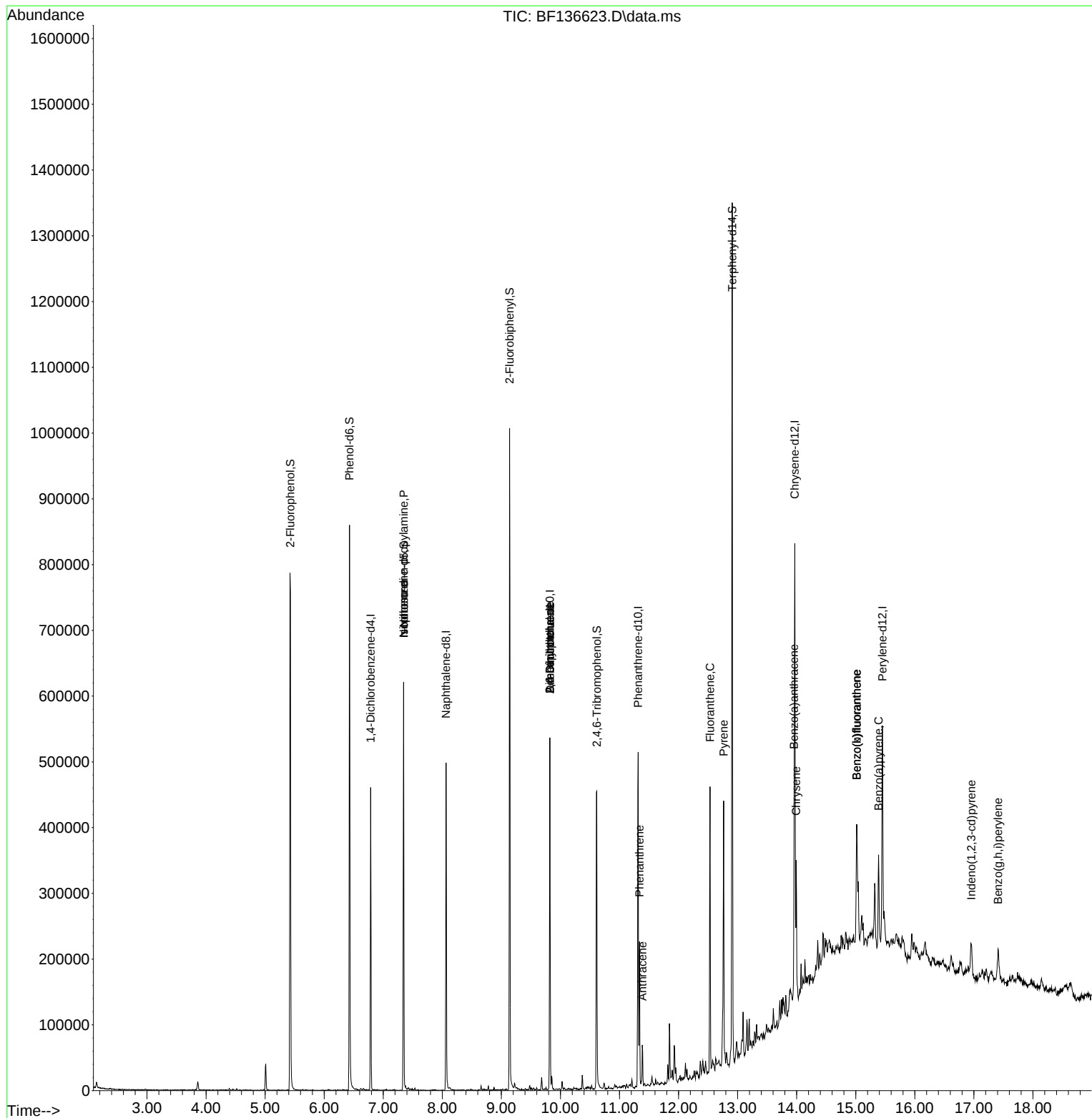
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	63284	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	207333	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	95211	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	195498	20.000	ng	0.00
76) Chrysene-d12	13.968	240	192888	20.000	ng	0.00
86) Perylene-d12	15.451	264	153904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	240378	56.096	ng	0.00
7) Phenol-d6	6.428	99	279563	52.290	ng	-0.02
23) Nitrobenzene-d5	7.345	82	171655	44.758	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	64057	54.565	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	300450	43.058	ng	-0.01
79) Terphenyl-d14	12.910	244	433659	29.633	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	124	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.345	70	21495	6.970 ng	#	76
25) Isophorone	7.345	82	171654	24.912 ng	#	65
50) Dimethylphthalate	9.822	163	18743	2.674 ng	#	1
51) 2,6-Dinitrotoluene	9.822	165	12133	7.694 ng	#	29
57) 2,4-Dinitrotoluene	9.822	165	12133	5.816 ng	#	28
71) Phenanthrene	11.339	178	80115	7.456 ng		99
72) Anthracene	11.386	178	24458	2.260 ng		96
75) Fluoranthene	12.533	202	157445	13.982 ng		98
77) Benzidine	12.910	184	4950	Below Cal	#	93
78) Pyrene	12.763	202	148391	7.855 ng		97
81) Benzo(a)anthracene	13.957	228	94234	7.014 ng		98
83) Chrysene	13.992	228	80700	6.105 ng		98
87) Indeno(1,2,3-cd)pyrene	16.956	276	34837	3.258 ng		98
88) Benzo(b)fluoranthene	15.015	252	133103	12.649 ng	#	90
89) Benzo(k)fluoranthene	15.015	252	133103	13.422 ng	#	90
90) Benzo(a)pyrene	15.386	252	64326	7.402 ng	#	90
92) Benzo(g,h,i)perylene	17.409	276	34605	3.849 ng		95

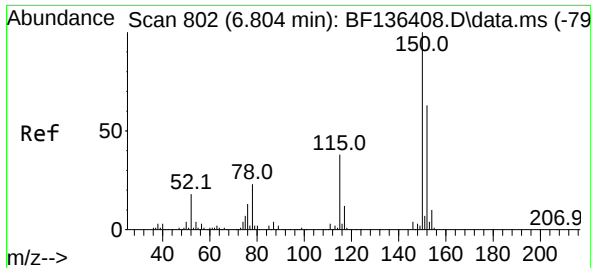
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
Data File : BF136623.D
Acq On : 18 Dec 2023 19:42
Operator : CG\JU
Sample : 05767-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-E1-COMPRE

Quant Time: Dec 19 01:06:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 00:56:37 2023
Response via : Initial Calibration

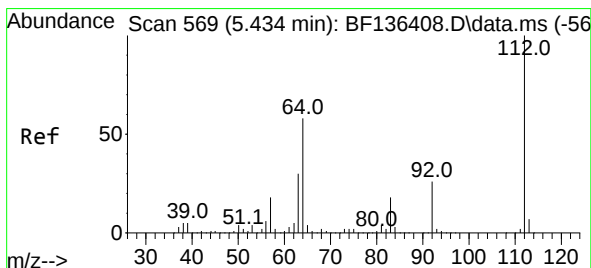
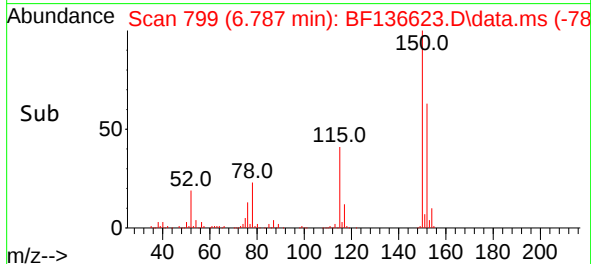
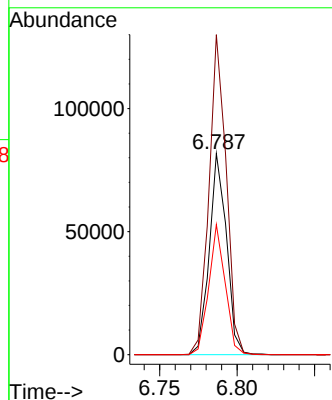
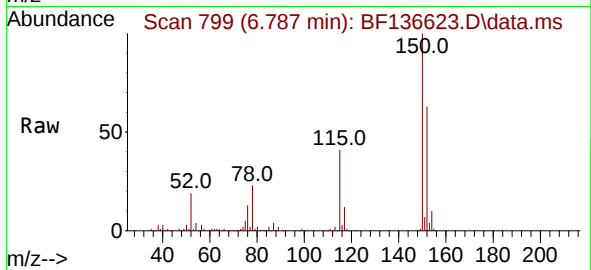




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

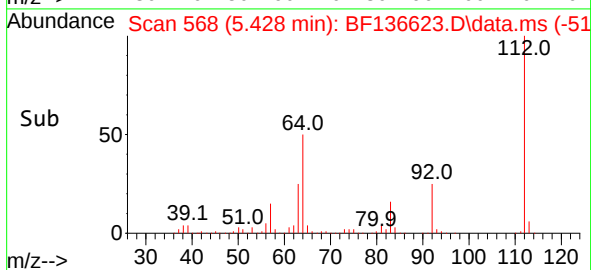
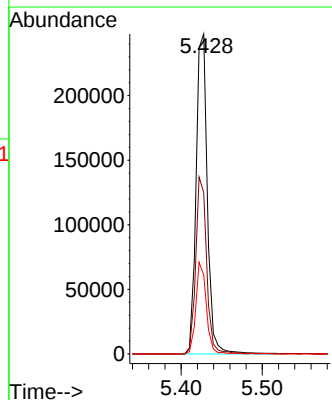
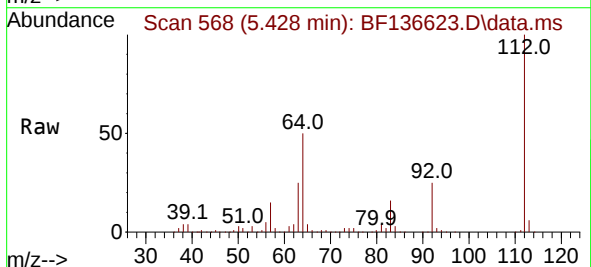
Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMP

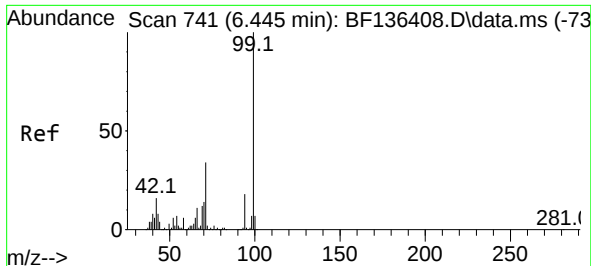
Tgt Ion:152 Resp: 63284
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.4 189.6
 115 64.7 48.2 72.4



#5
 2-Fluorophenol
 Concen: 56.096 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

Tgt Ion:112 Resp: 240378
 Ion Ratio Lower Upper
 112 100
 64 50.5 46.5 69.7
 63 24.7 23.9 35.9

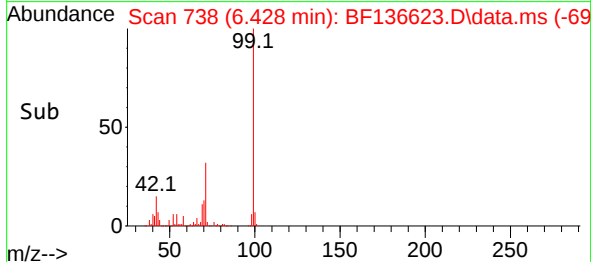
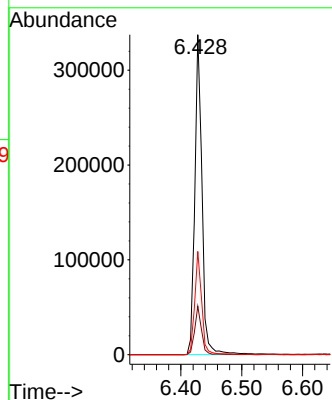
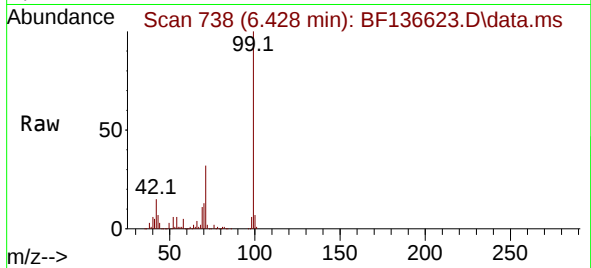




#7
Phenol-d6
Concen: 52.290 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

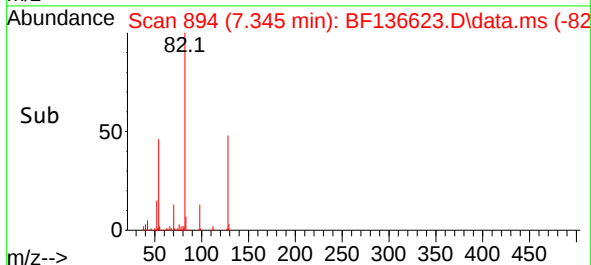
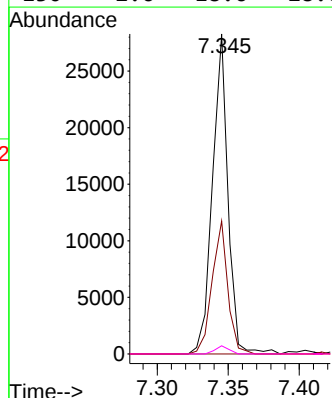
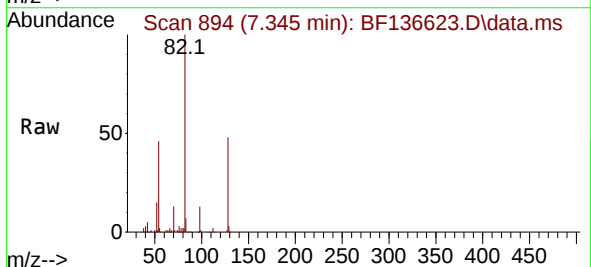
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

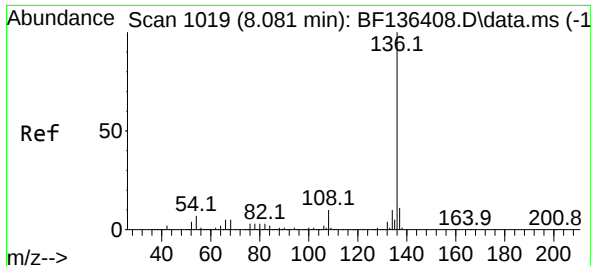
Tgt Ion: 99 Resp: 279563
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 32.3 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.970 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion: 70 Resp: 21495
Ion Ratio Lower Upper
70 100
42 41.5 41.4 62.0
101 0.0 8.2 12.4#
130 2.6 18.6 28.0#



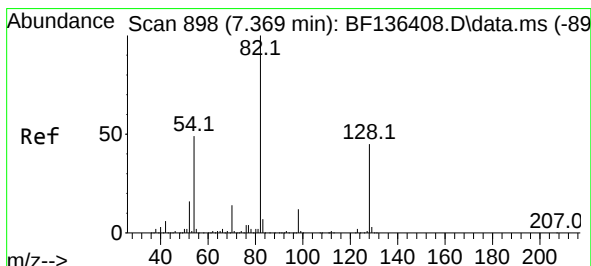
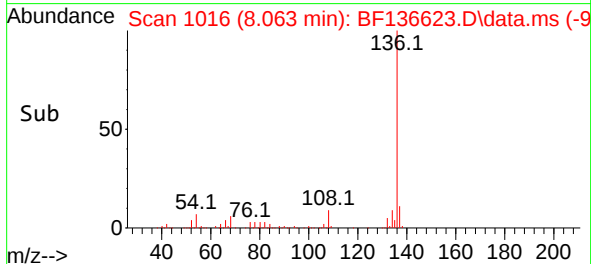
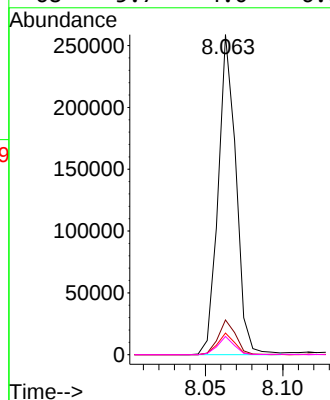
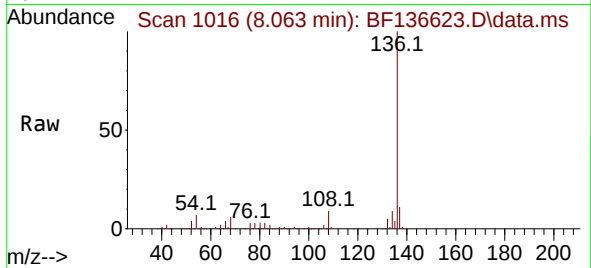


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Tgt Ion:136 Resp: 207333

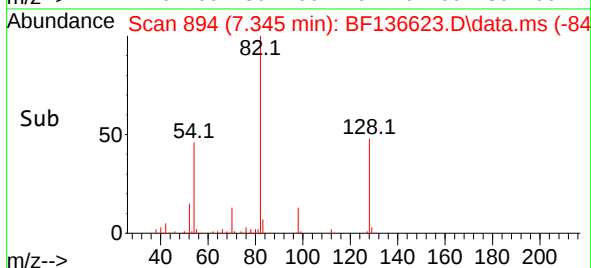
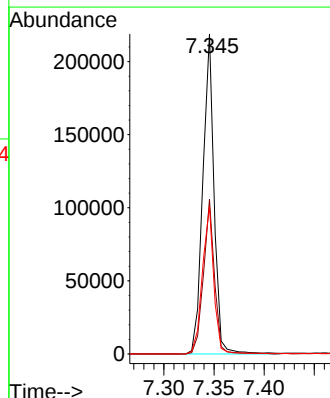
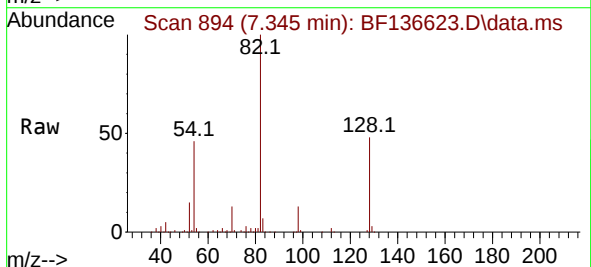
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.7	5.7	8.5
68	5.7	4.0	6.0

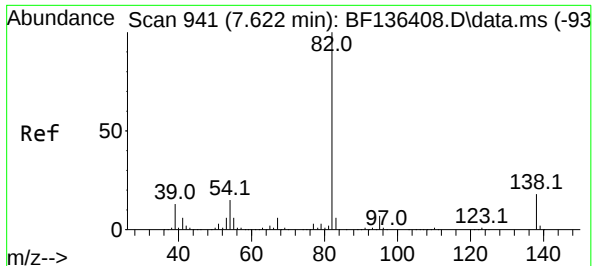


#23
Nitrobenzene-d5
Concen: 44.758 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion: 82 Resp: 171655

Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.3	54.5
54	46.2	39.0	58.6

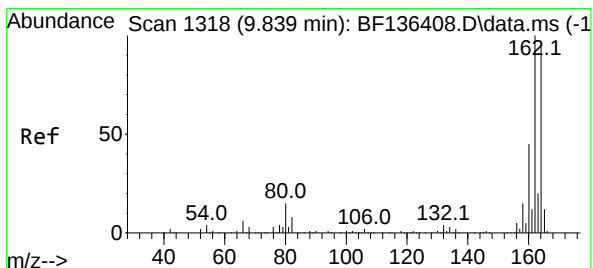
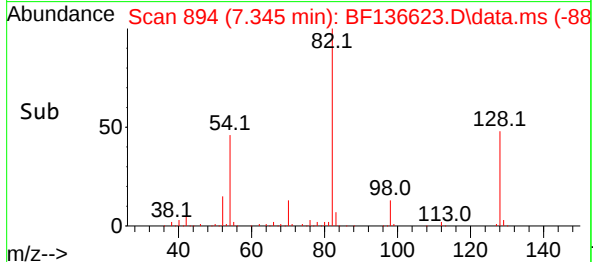
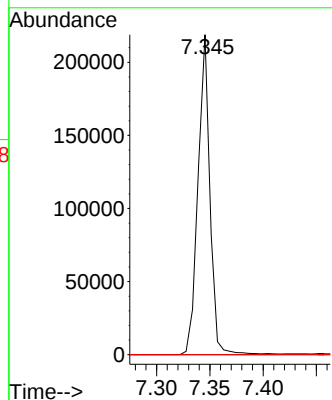
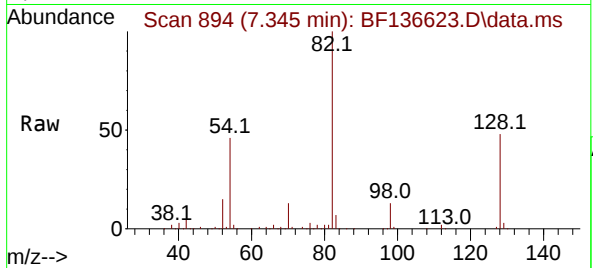




#25
Isophorone
Concen: 24.912 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

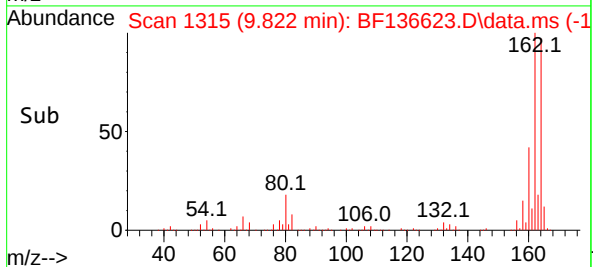
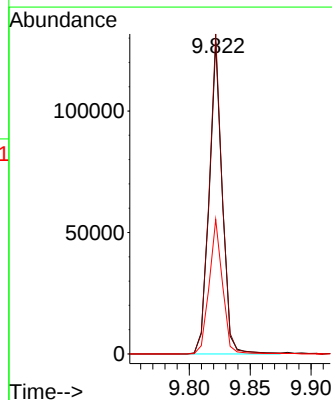
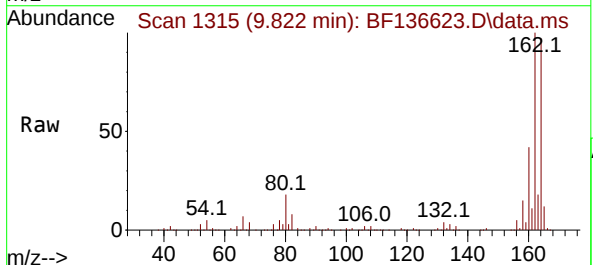
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Tgt Ion: 82 Resp: 171654
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: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion:164 Resp: 95211
Ion Ratio Lower Upper
164 100
162 102.8 84.4 126.6
160 43.2 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 54.565 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

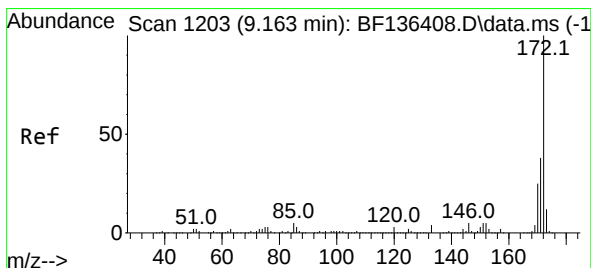
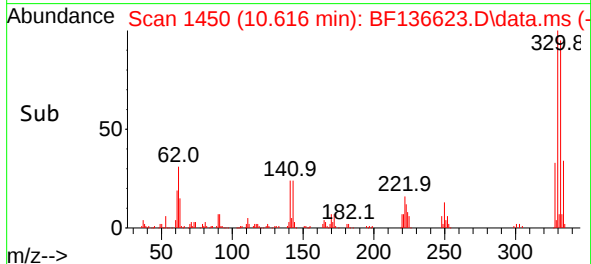
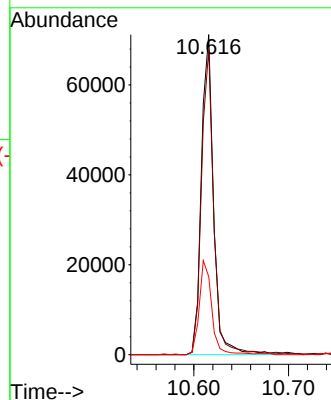
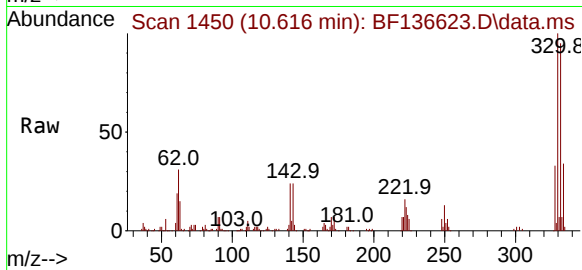
Tgt Ion:330 Resp: 64057

Ion Ratio Lower Upper

330 100

332 95.5 76.4 114.6

141 29.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 43.058 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

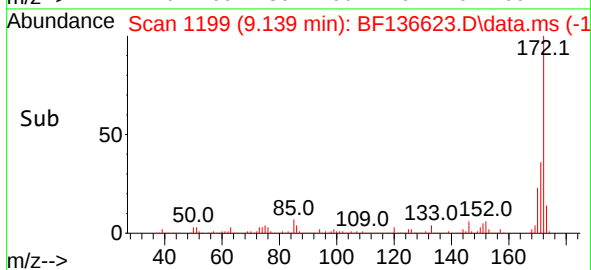
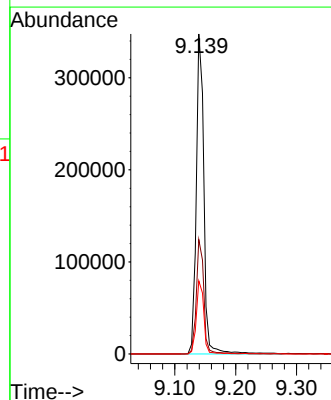
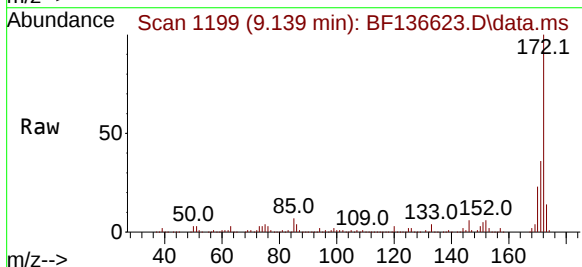
Tgt Ion:172 Resp: 300450

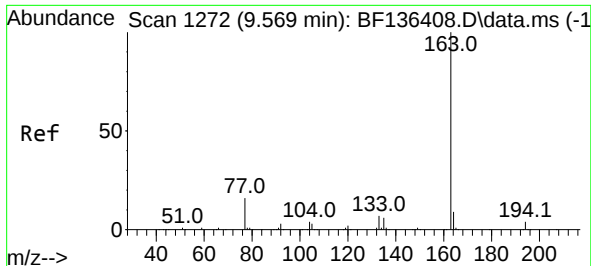
Ion Ratio Lower Upper

172 100

171 35.8 30.5 45.7

170 22.9 19.9 29.9

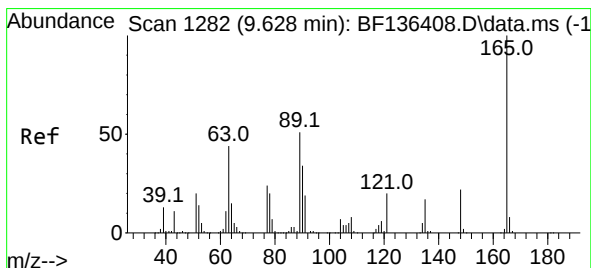
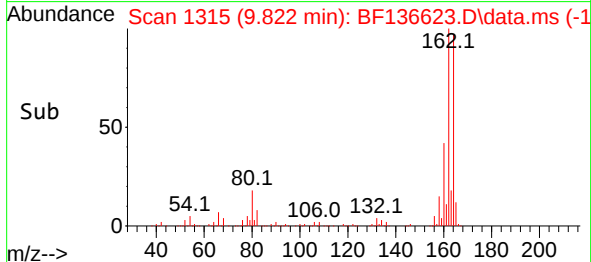
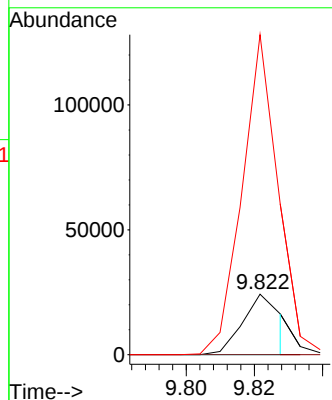
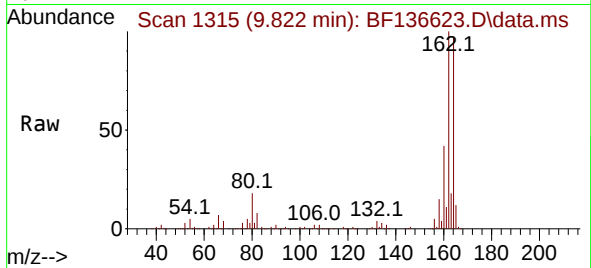




#50
Dimethylphthalate
Concen: 2.674 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

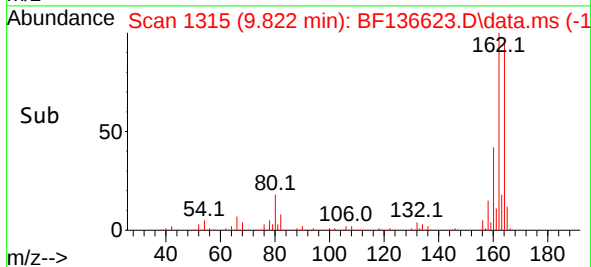
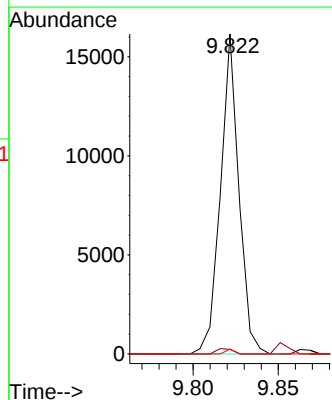
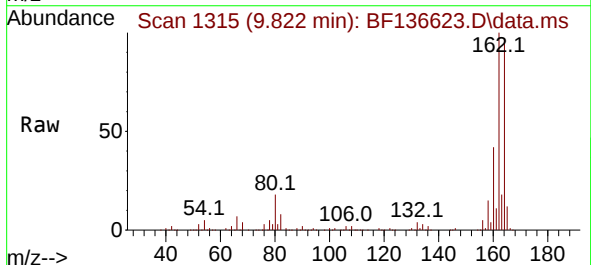
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

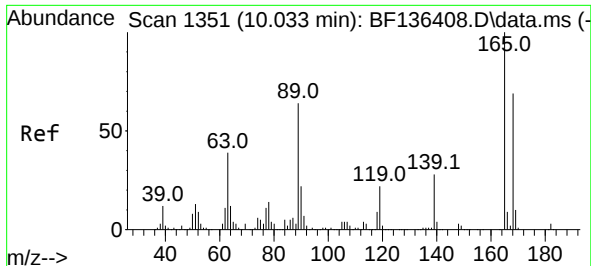
Tgt Ion:163 Resp: 18743
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 528.9 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.694 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

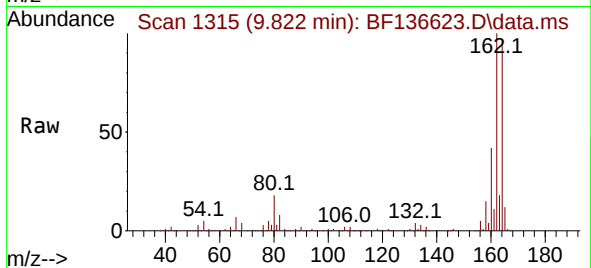
Tgt Ion:165 Resp: 12133
Ion Ratio Lower Upper
165 100
63 1.4 40.4 60.6#
89 1.5 40.6 60.8#



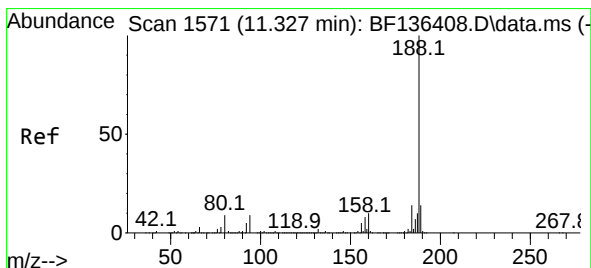
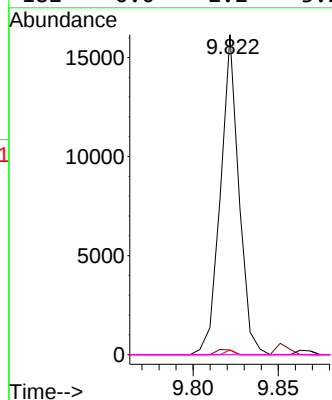
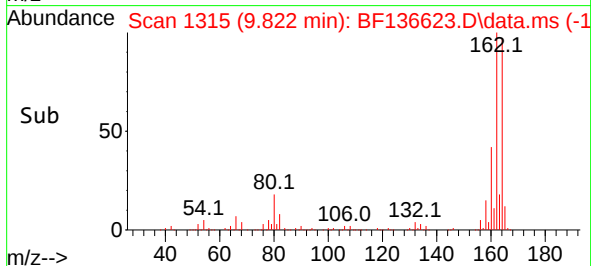


#57
2,4-Dinitrotoluene
Concen: 5.816 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

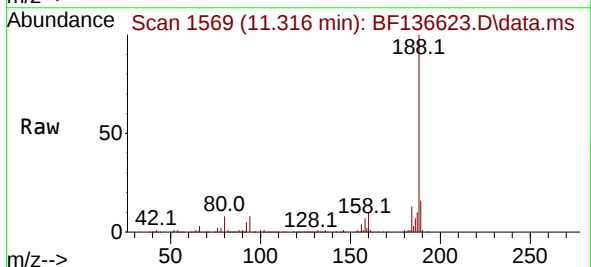
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP



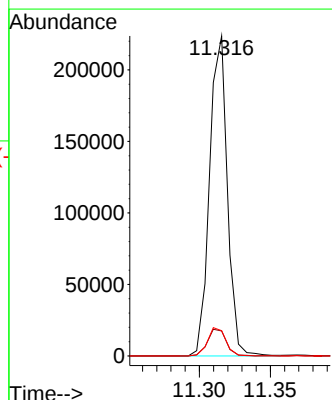
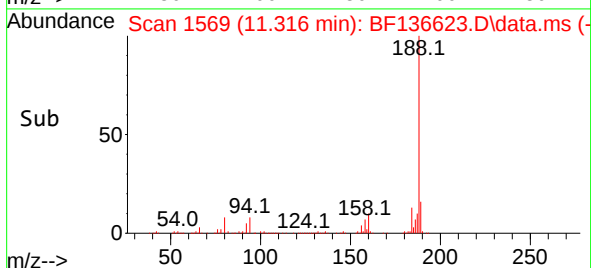
Tgt Ion:165 Resp: 12133
Ion Ratio Lower Upper
165 100
63 1.4 31.4 47.2#
89 1.5 51.7 77.5#
182 0.0 2.2 3.2#

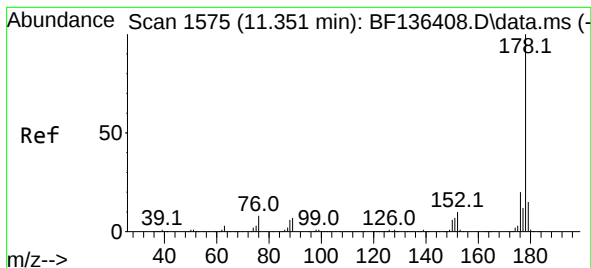


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



Tgt Ion:188 Resp: 195498
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 7.9 7.2 10.8





#71

Phenanthrene

Concen: 7.456 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

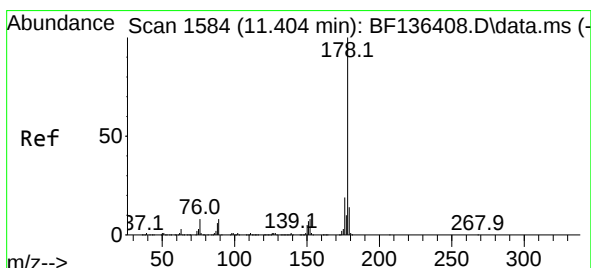
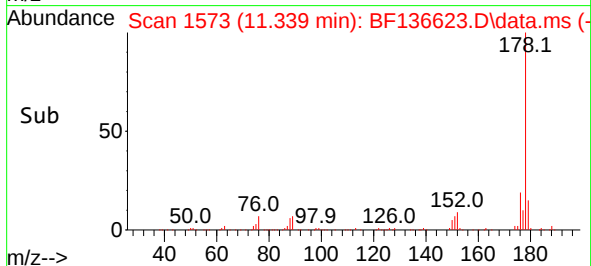
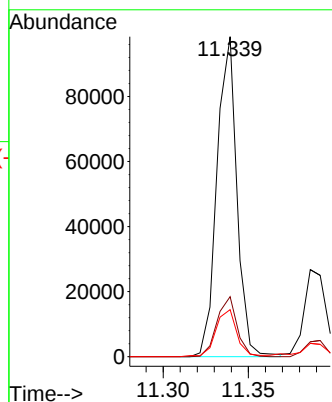
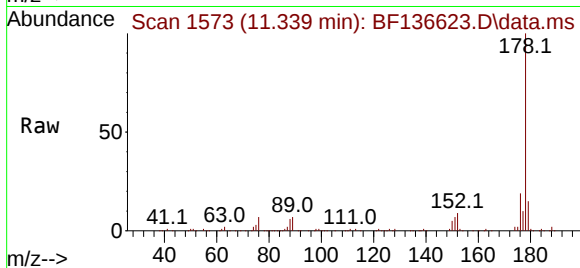
Tgt Ion:178 Resp: 80115

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

179 14.7 11.8 17.6



#72

Anthracene

Concen: 2.260 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

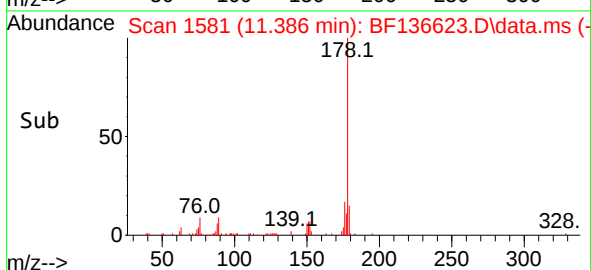
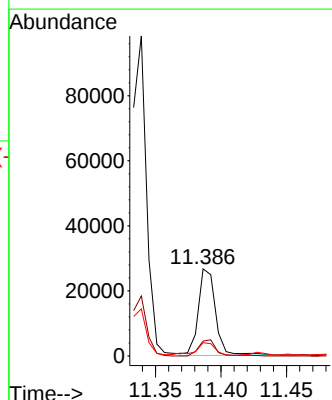
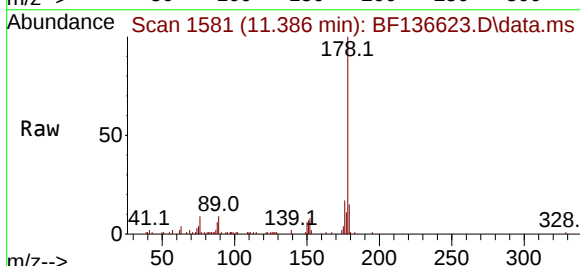
Tgt Ion:178 Resp: 24458

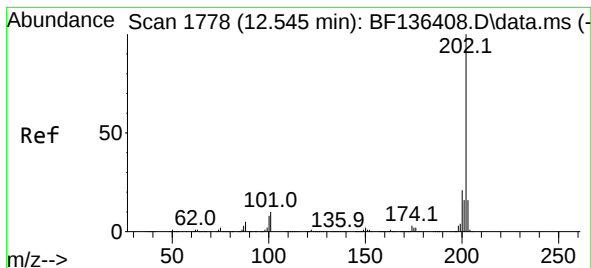
Ion Ratio Lower Upper

178 100

176 17.1 15.3 22.9

179 15.3 11.4 17.0





#75

Fluoranthene

Concen: 13.982 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

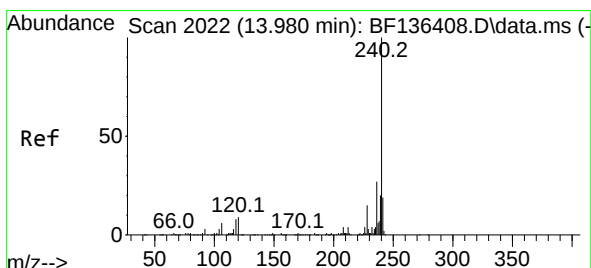
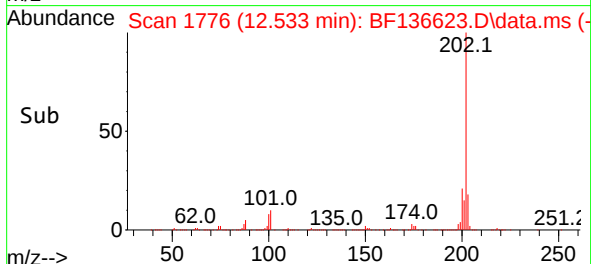
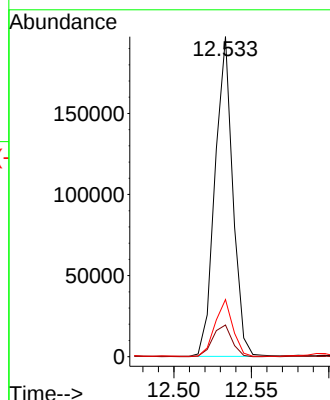
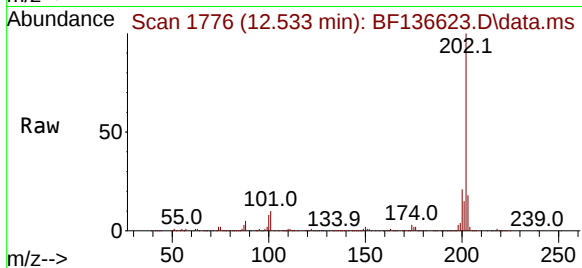
Tgt Ion:202 Resp: 157445

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.9

203 17.9 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

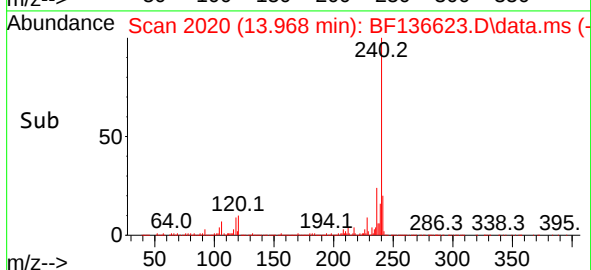
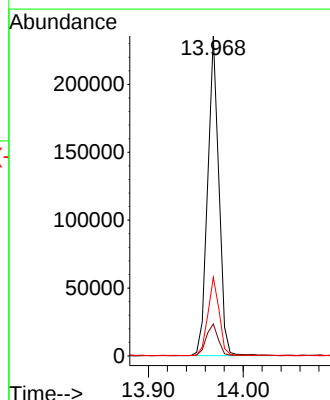
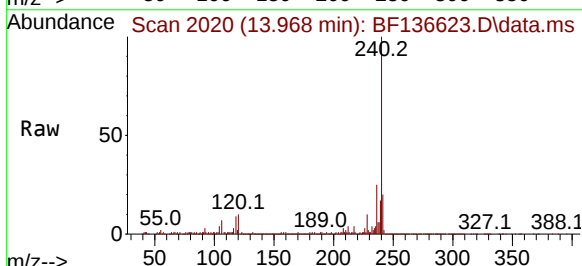
Tgt Ion:240 Resp: 192888

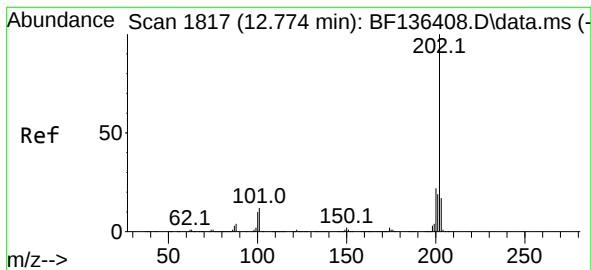
Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

236 24.6 21.3 31.9





#78

Pyrene

Concen: 7.855 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

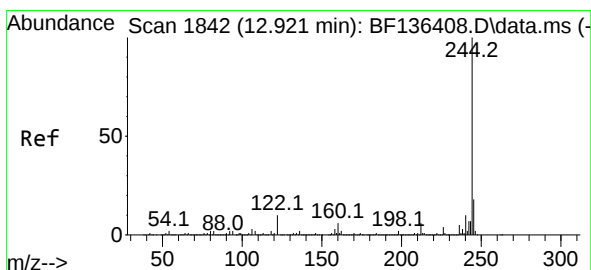
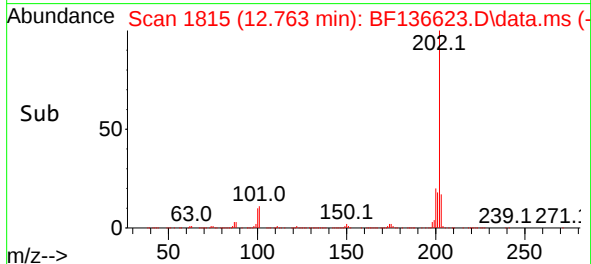
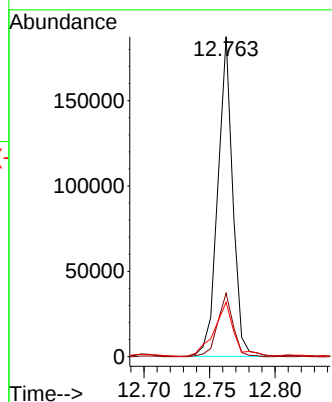
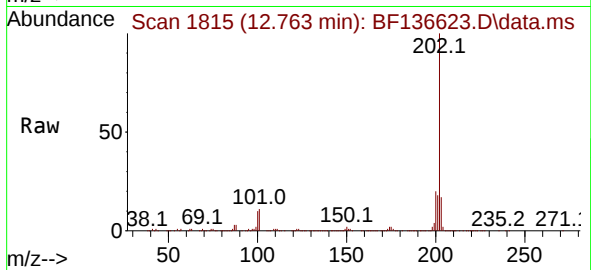
Tgt Ion:202 Resp: 148391

Ion Ratio Lower Upper

202 100

200 19.8 18.0 27.0

203 17.0 13.5 20.3



#79

Terphenyl-d14

Concen: 29.633 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

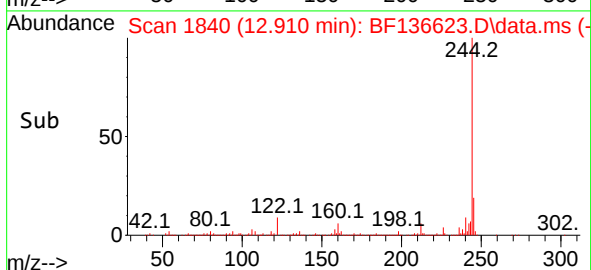
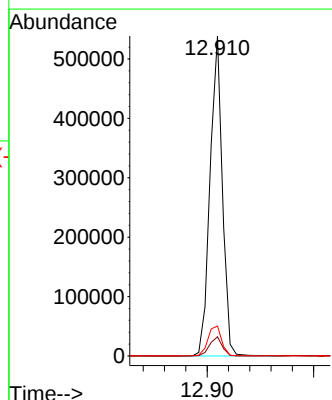
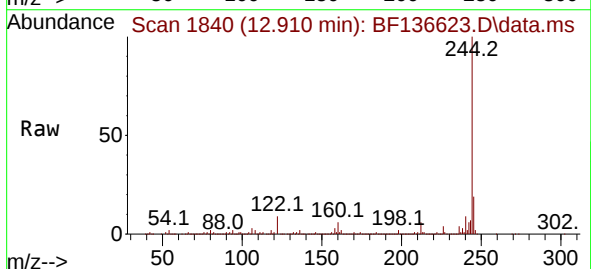
Tgt Ion:244 Resp: 433659

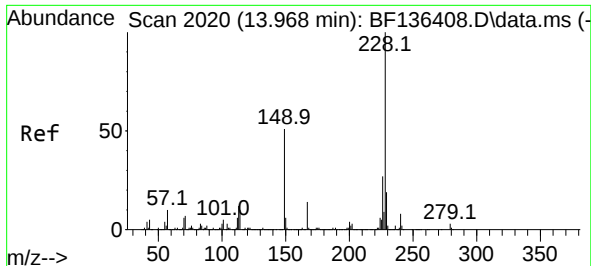
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 9.4 8.3 12.5

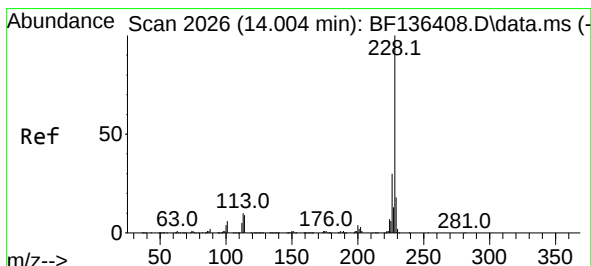
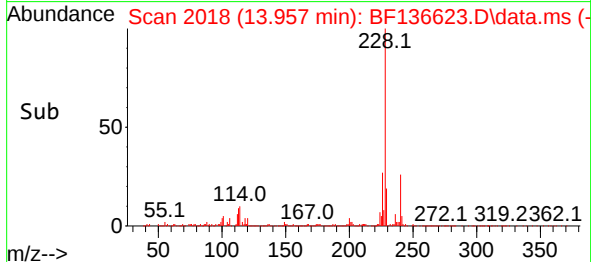
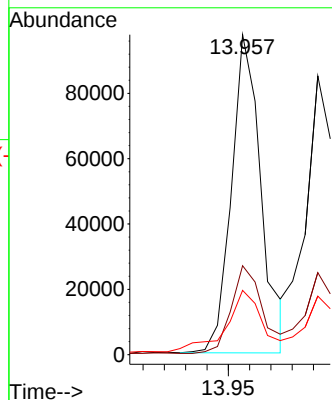
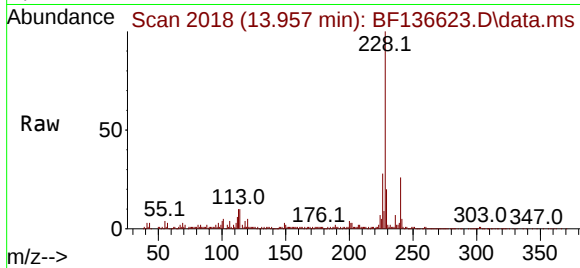




#81
Benzo(a)anthracene
Concen: 7.014 ng
RT: 13.957 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

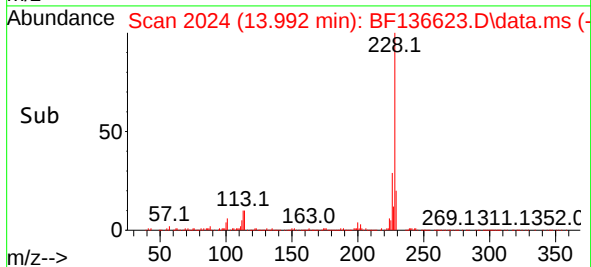
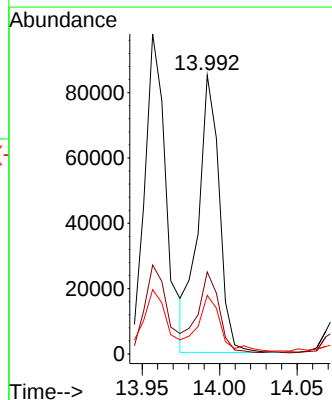
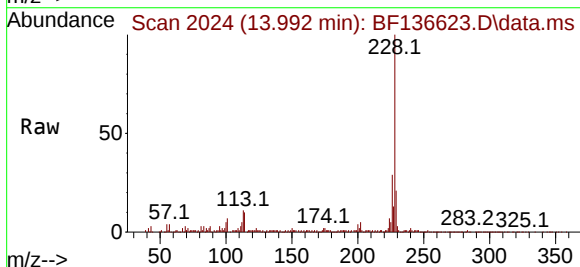
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

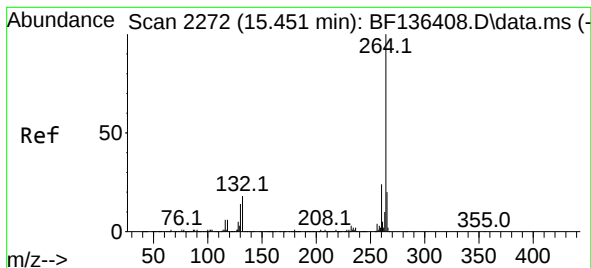
Tgt Ion:228 Resp: 94234
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 20.1 15.0 22.4



#83
Chrysene
Concen: 6.105 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion:228 Resp: 80700
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.0 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

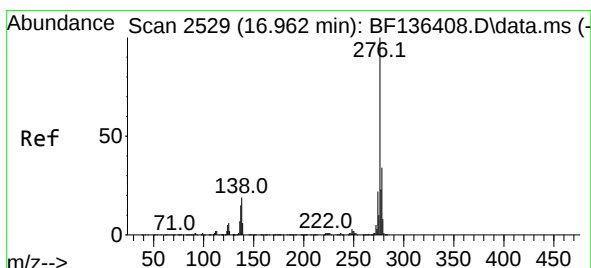
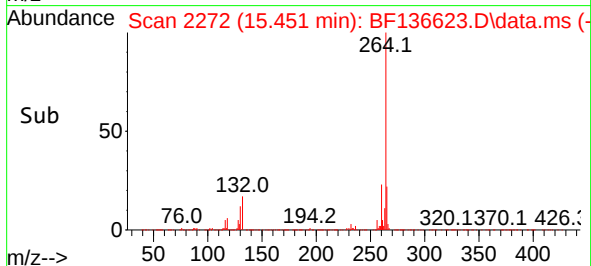
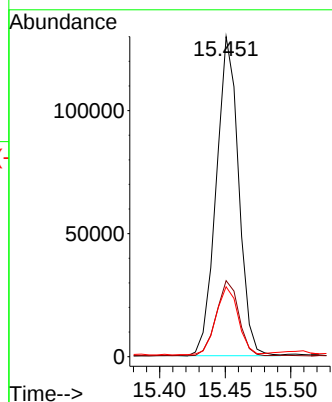
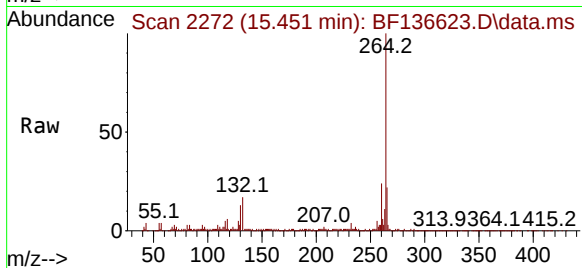
Tgt Ion:264 Resp: 153904

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 15.9 23.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.258 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.018 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

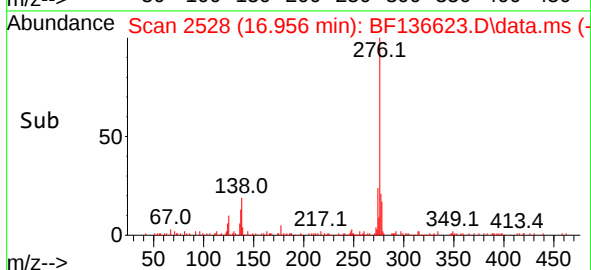
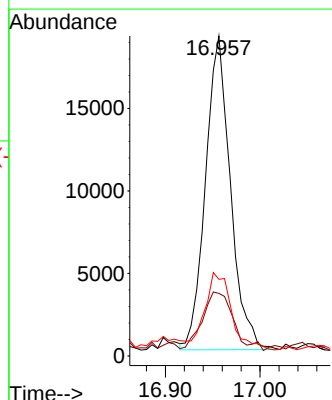
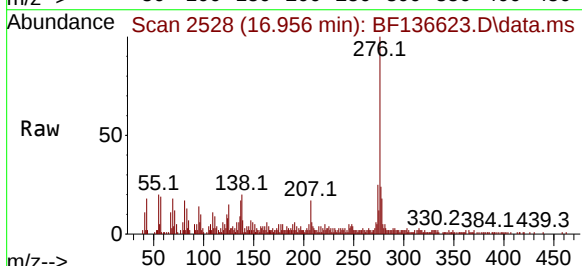
Tgt Ion:276 Resp: 34837

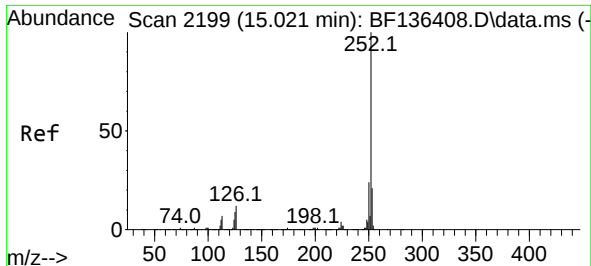
Ion Ratio Lower Upper

276 100

138 23.0 19.0 28.4

277 26.4 20.0 30.0

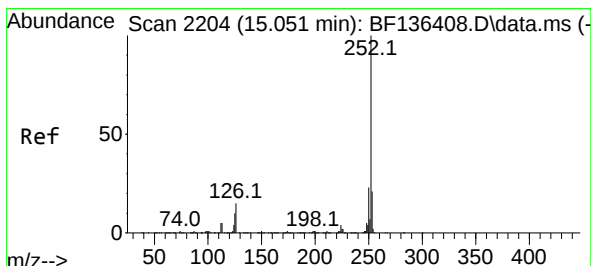
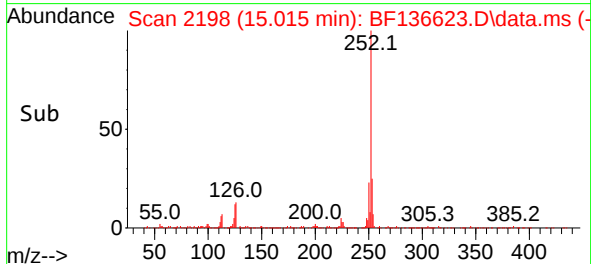
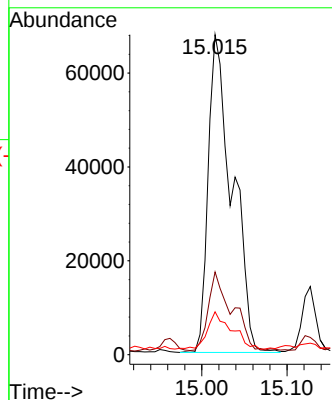
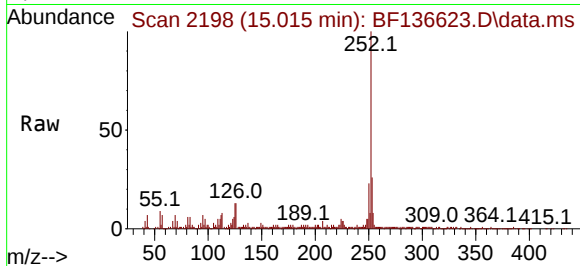




#88
Benzo(b)fluoranthene
Concen: 12.649 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

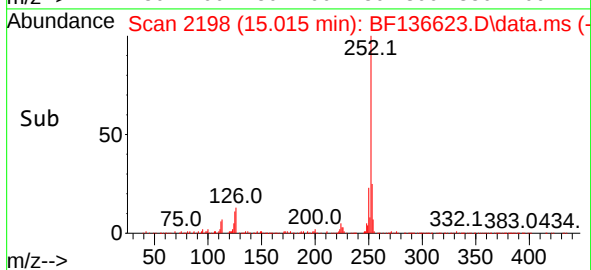
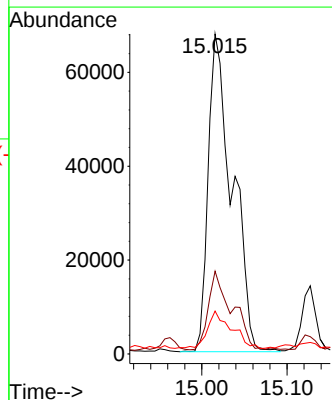
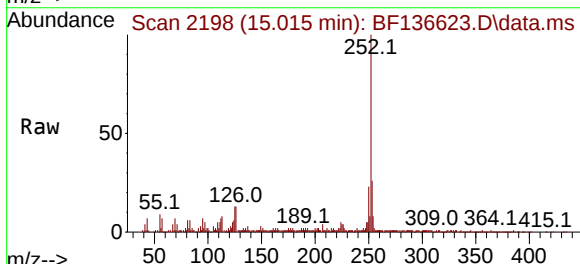
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

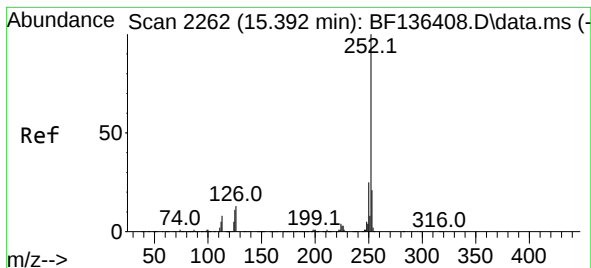
Tgt Ion:252 Resp: 133103
Ion Ratio Lower Upper
252 100
253 25.9 16.9 25.3#
125 13.4 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 13.422 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion:252 Resp: 133103
Ion Ratio Lower Upper
252 100
253 25.9 16.9 25.3#
125 13.4 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.402 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

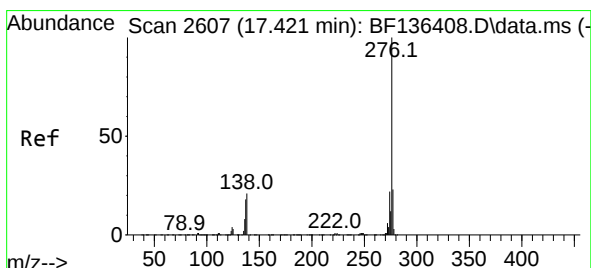
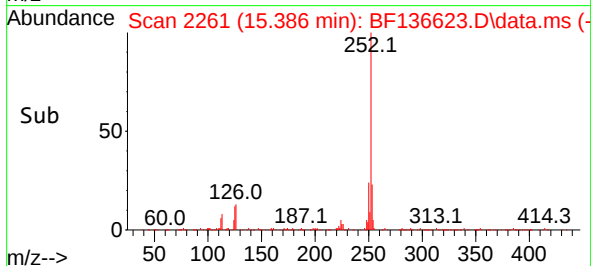
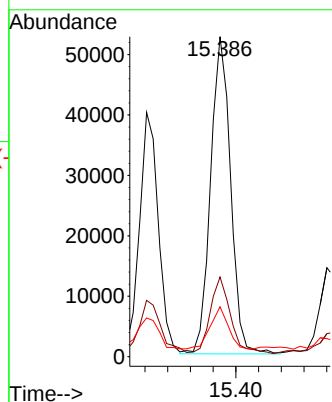
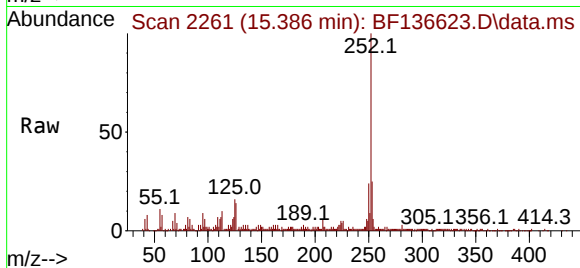
Tgt Ion:252 Resp: 64326

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.4

125 15.6 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 3.849 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.029 min

Lab File: BF136623.D

Acq: 18 Dec 2023 19:42

Tgt Ion:276 Resp: 34605

Ion Ratio Lower Upper

276 100

277 25.4 18.7 28.1

138 23.1 16.6 25.0

