

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136558.D
 Acq On : 14 Dec 2023 02:03
 Operator : CG\JU
 Sample : 05767-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E2-COMP

Quant Time: Dec 14 03:51:45 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)

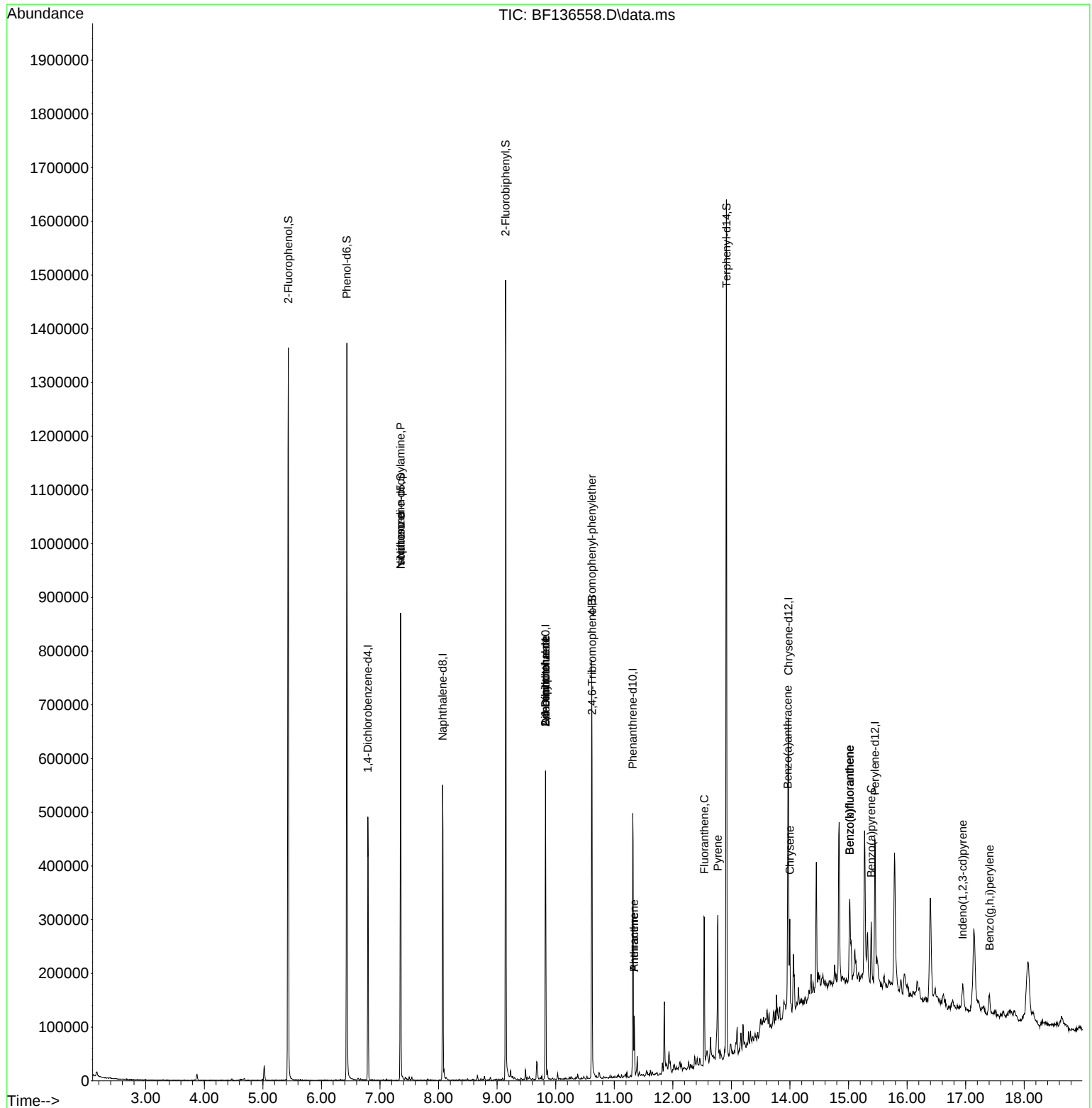
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72061	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	244646	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	102665	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	187350	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	175608	20.000	ng	0.00
86) Perylene-d12	15.451	264	131707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	382281	78.345	ng	0.00
7) Phenol-d6	6.434	99	440193	72.307	ng	-0.01
23) Nitrobenzene-d5	7.351	82	256335	56.643	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	96535	76.260	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	471461	62.661	ng	-0.02
79) Terphenyl-d14	12.916	244	534621	40.127	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	286	Below Cal	#	44
19) n-Nitroso-di-n-propyla...	7.351	70	34149	9.724 ng	#	80
25) Isophorone	7.351	82	256333	31.528 ng	#	65
50) Dimethylphthalate	9.827	163	20756	2.746 ng	#	1
51) 2,6-Dinitrotoluene	9.827	165	13370	7.863 ng	#	29
57) 2,4-Dinitrotoluene	9.827	165	13370	5.944 ng	#	28
67) 4-Bromophenyl-phenylether	10.616	248	5915	2.715 ng	#	1
71) Phenanthrene	11.339	178	38908	3.778 ng		98
72) Anthracene	11.339	178	38908	3.751 ng		98
75) Fluoranthene	12.539	202	115809	10.732 ng		97
77) Benzidine	12.916	184	6490	Below Cal		96
78) Pyrene	12.768	202	113754	6.614 ng		96
81) Benzo(a)anthracene	13.963	228	69812	5.707 ng		93
83) Chrysene	13.998	228	63074	5.241 ng		96
87) Indeno(1,2,3-cd)pyrene	16.951	276	33282	3.637 ng		97
88) Benzo(b)fluoranthene	15.021	252	107982	11.991 ng	#	95
89) Benzo(k)fluoranthene	15.021	252	107982	12.724 ng		95
90) Benzo(a)pyrene	15.386	252	52543	7.065 ng		95
92) Benzo(g,h,i)perylene	17.409	276	32183	4.183 ng		94

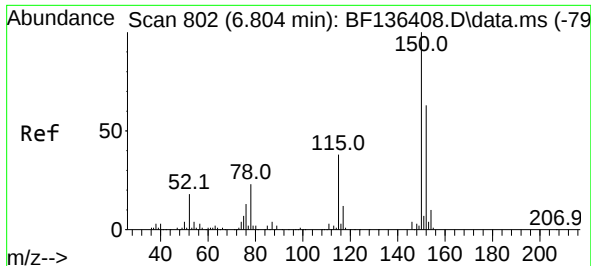
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 06 09:40:27 2023
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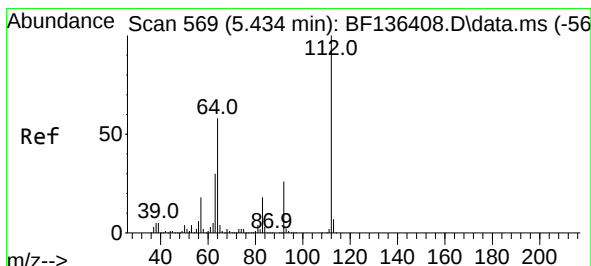
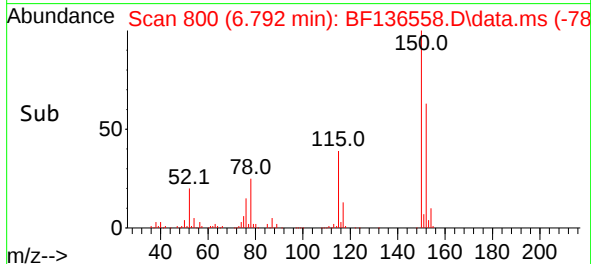
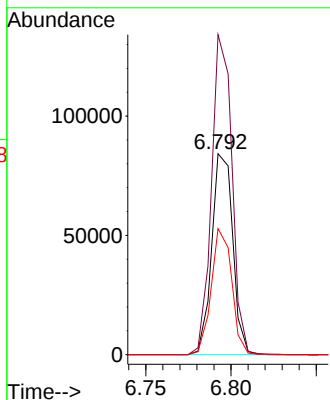
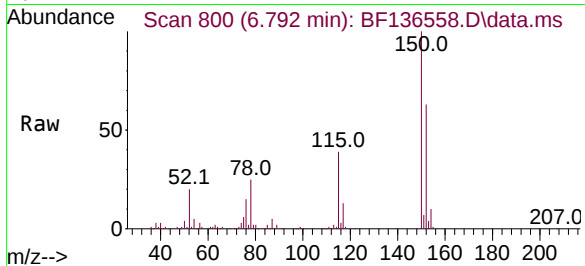




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

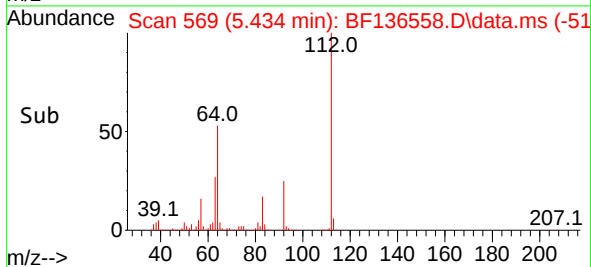
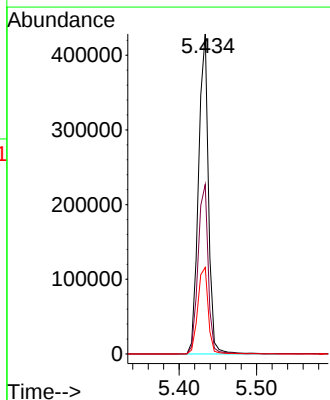
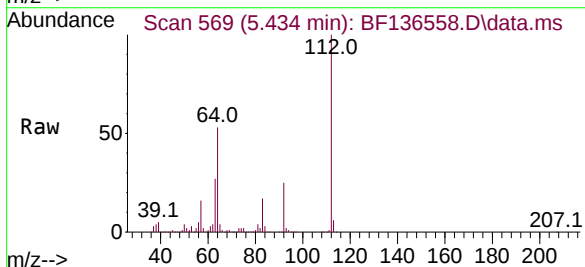
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

Tgt Ion:152 Resp: 72061
Ion Ratio Lower Upper
152 100
150 159.3 126.4 189.6
115 62.8 48.2 72.4



#5
2-Fluorophenol
Concen: 78.345 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion:112 Resp: 382281
Ion Ratio Lower Upper
112 100
64 52.9 46.5 69.7
63 27.1 23.9 35.9

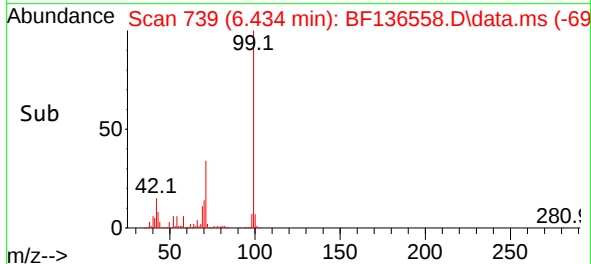
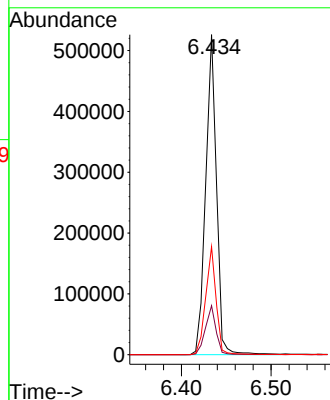
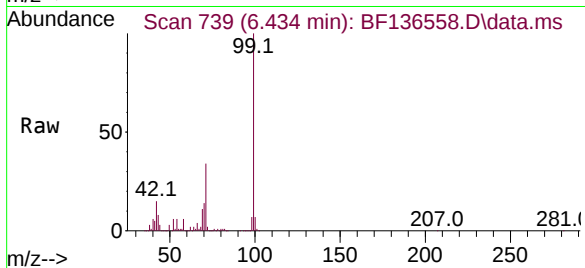




#7
Phenol-d6
Concen: 72.307 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

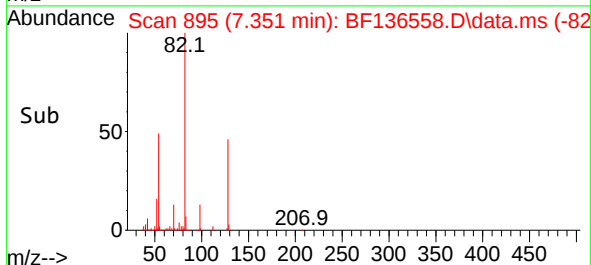
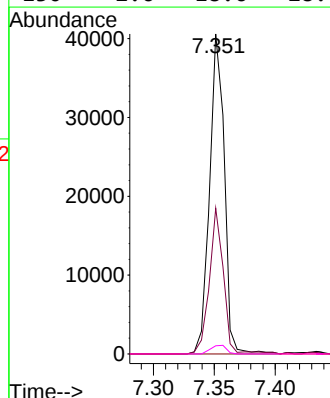
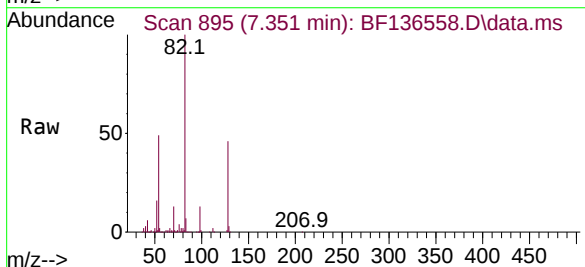
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

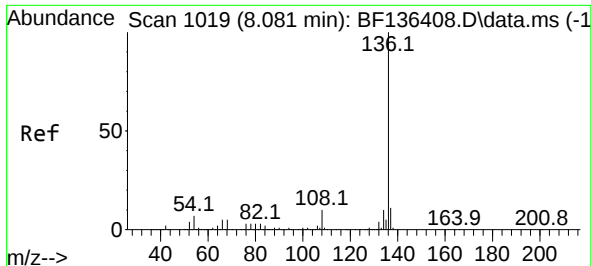
Tgt Ion: 99 Resp: 440193
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 33.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.724 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion: 70 Resp: 34149
Ion Ratio Lower Upper
70 100
42 45.5 41.4 62.0
101 0.0 8.2 12.4#
130 2.6 18.6 28.0#



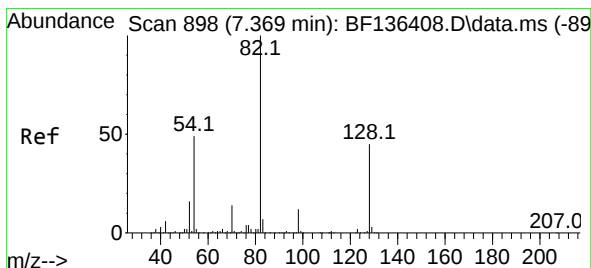
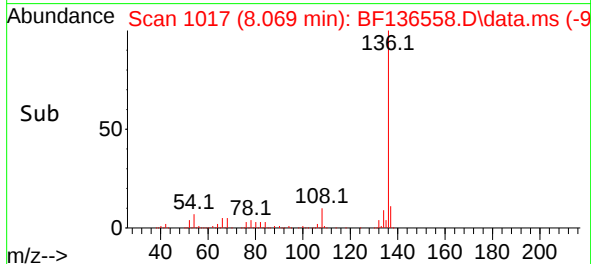
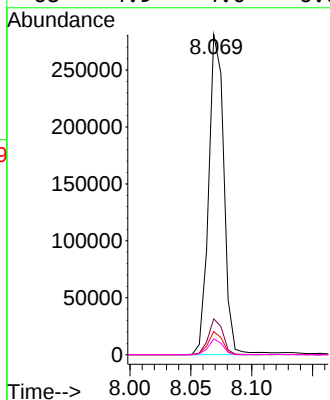
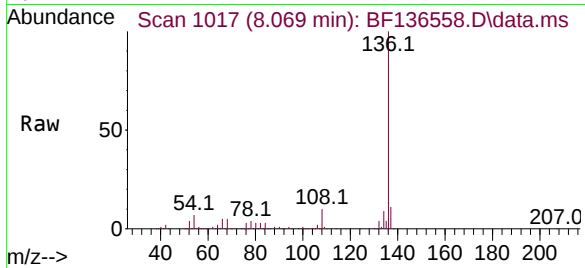


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

Tgt Ion:136 Resp: 244646

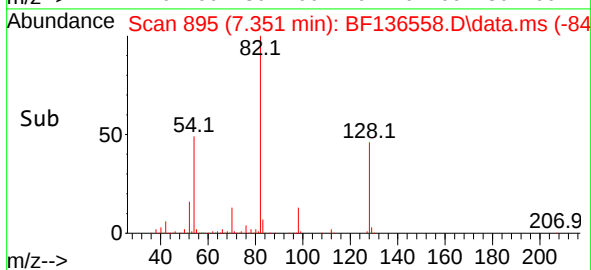
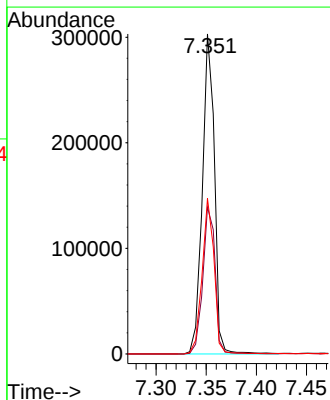
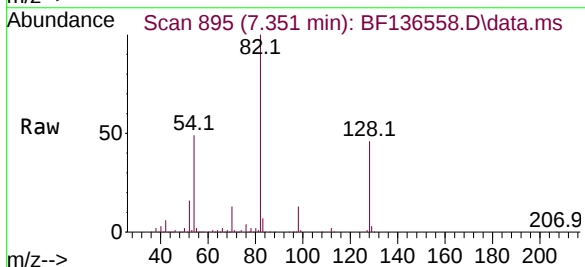
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.2	5.7	8.5
68	4.9	4.0	6.0

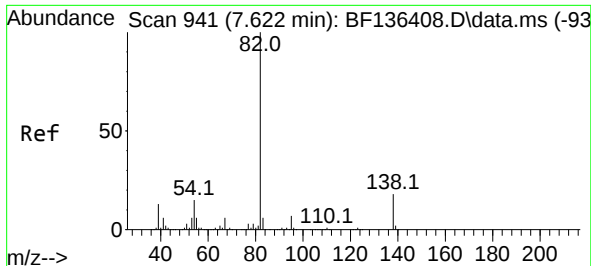


#23
Nitrobenzene-d5
Concen: 56.643 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion: 82 Resp: 256335

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.3	54.5
54	48.6	39.0	58.6

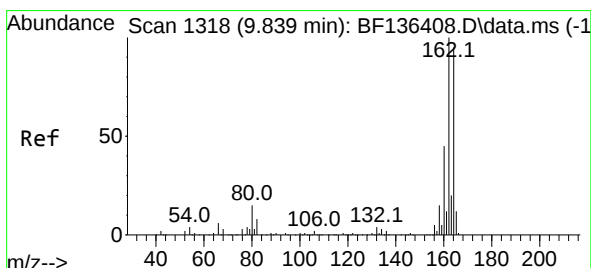
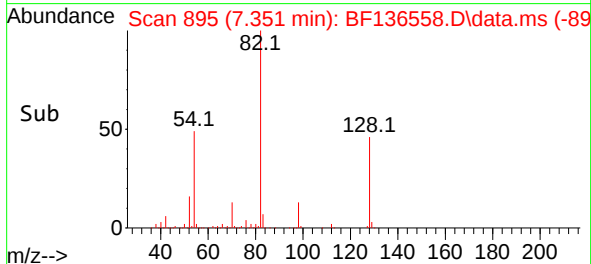
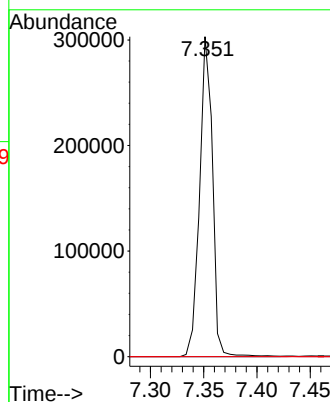
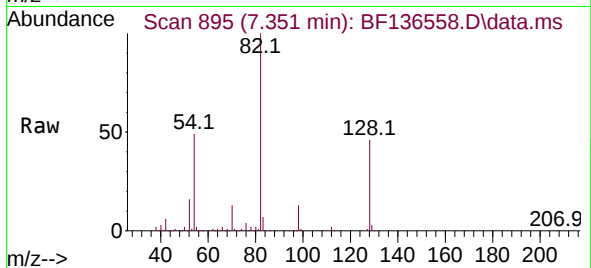




#25
Isophorone
Concen: 31.528 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

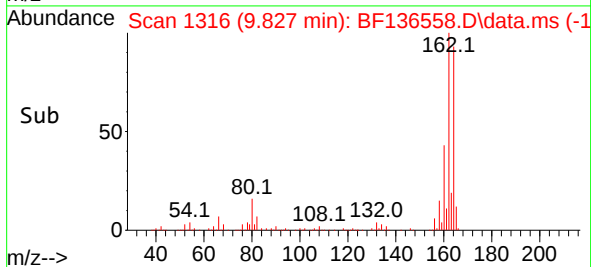
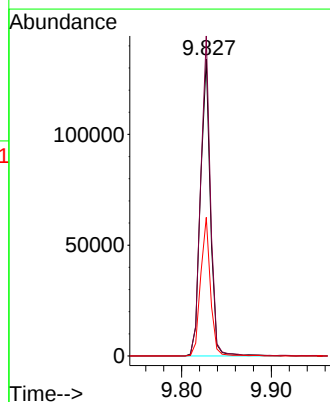
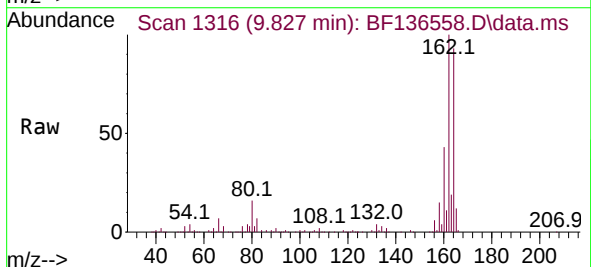
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

Tgt Ion: 82 Resp: 256333
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: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion:164 Resp: 102665
Ion Ratio Lower Upper
164 100
162 107.7 84.4 126.6
160 46.7 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 76.260 ng

RT: 10.622 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136558.D

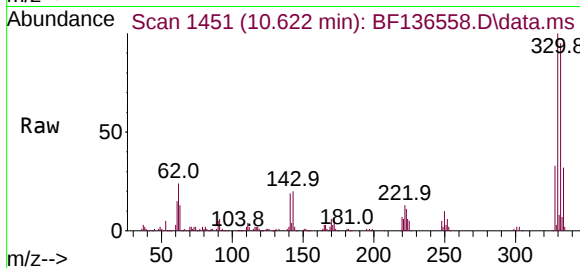
Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP



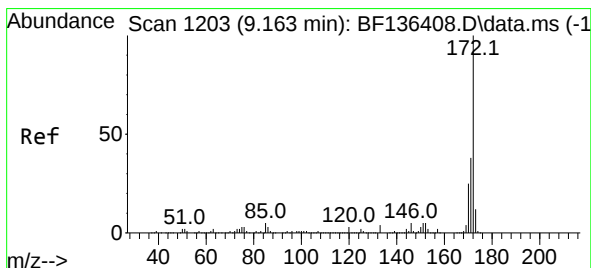
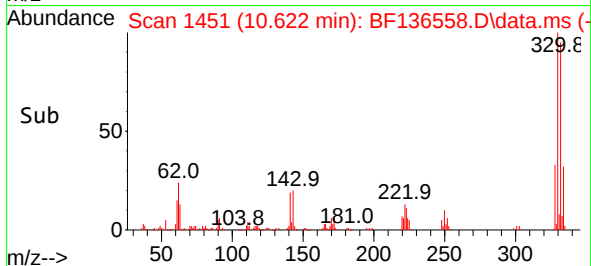
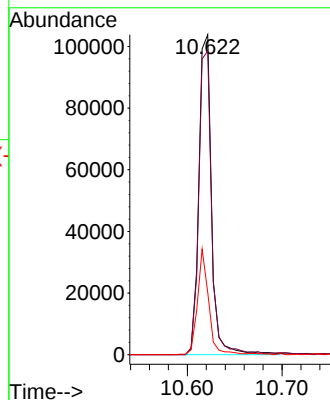
Tgt Ion:330 Resp: 96535

Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 29.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 62.661 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

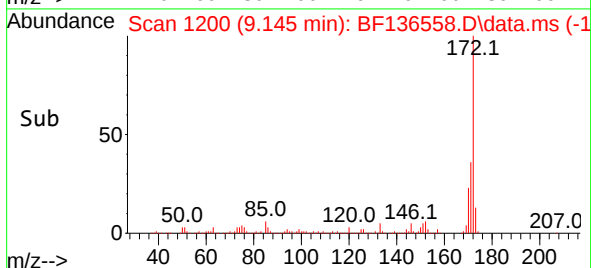
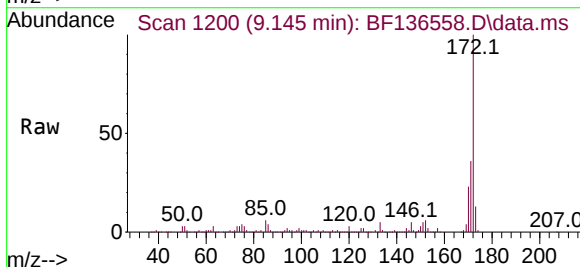
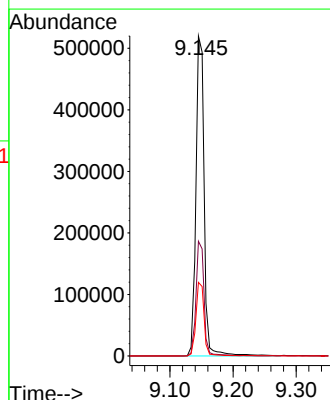
Tgt Ion:172 Resp: 471461

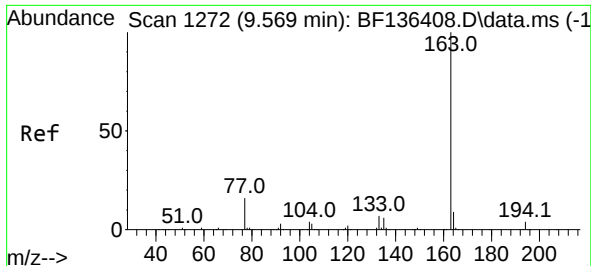
Ion Ratio Lower Upper

172 100

171 35.8 30.5 45.7

170 23.0 19.9 29.9

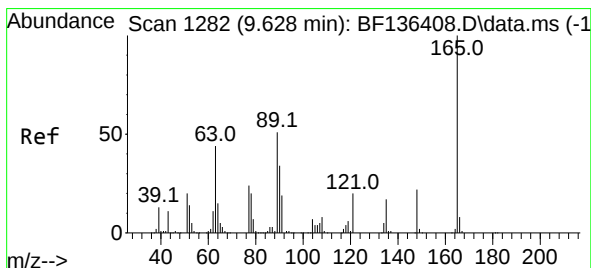
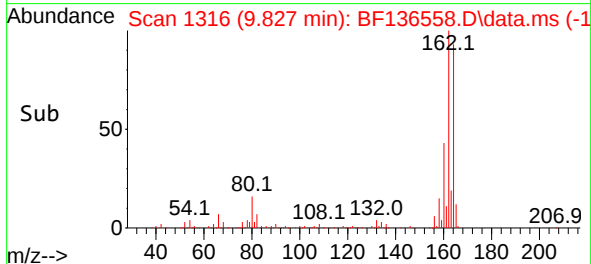
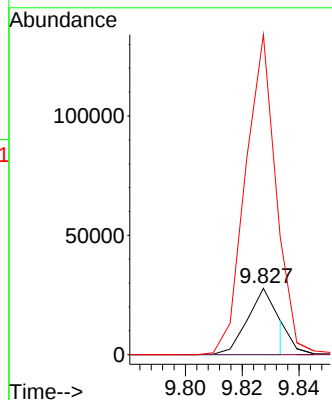
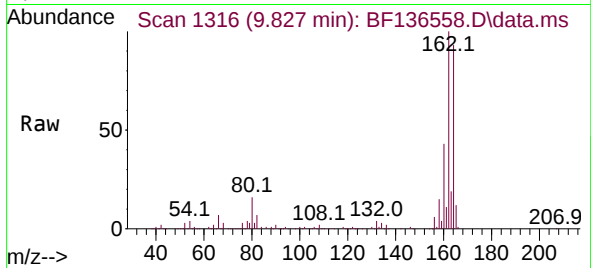




#50
Dimethylphthalate
Concen: 2.746 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

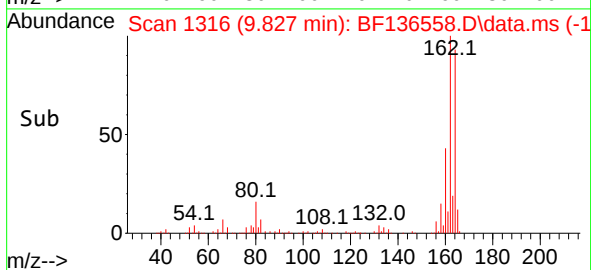
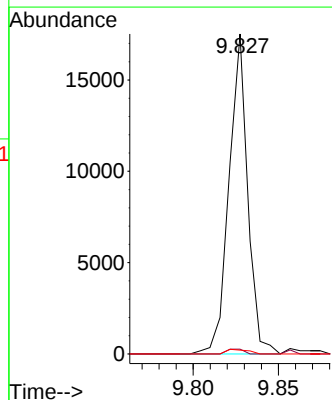
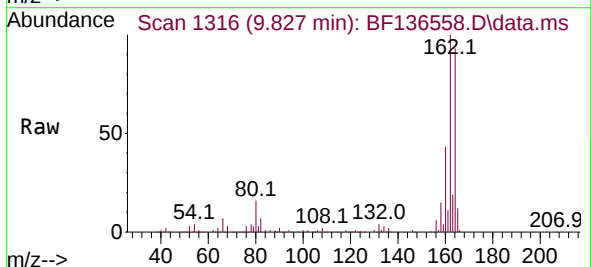
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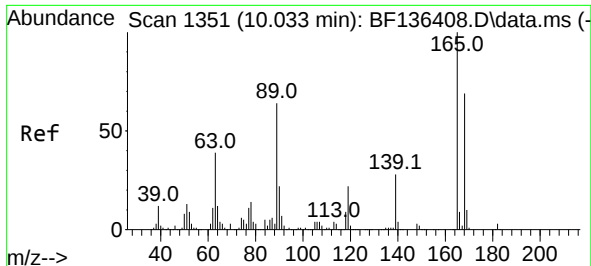
Tgt Ion:163 Resp: 20756
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 482.3 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.863 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

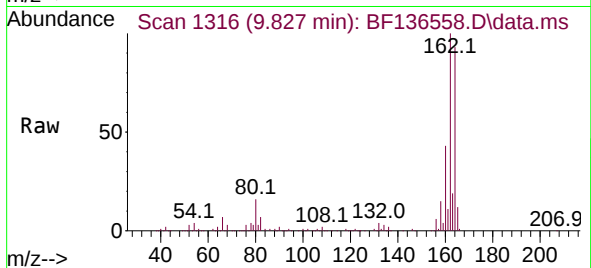
Tgt Ion:165 Resp: 13370
Ion Ratio Lower Upper
165 100
63 1.5 40.4 60.6#
89 1.2 40.6 60.8#



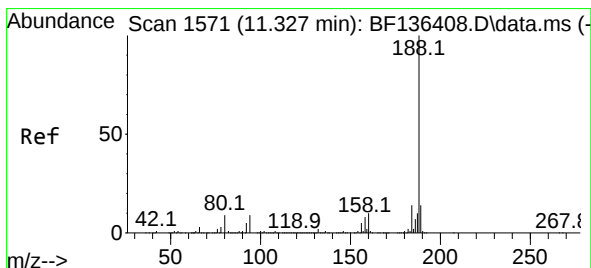
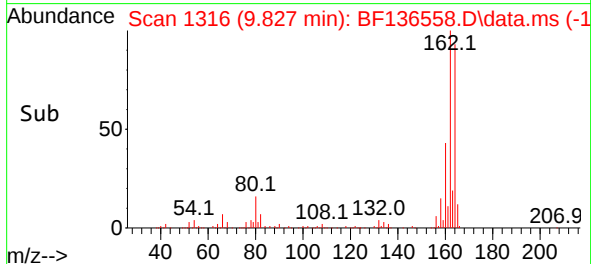
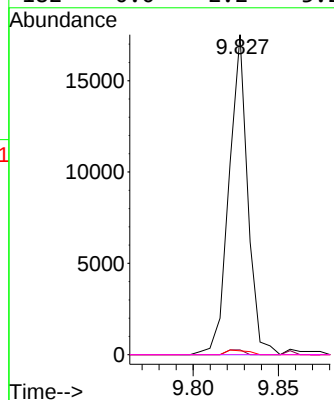


#57
2,4-Dinitrotoluene
Concen: 5.944 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

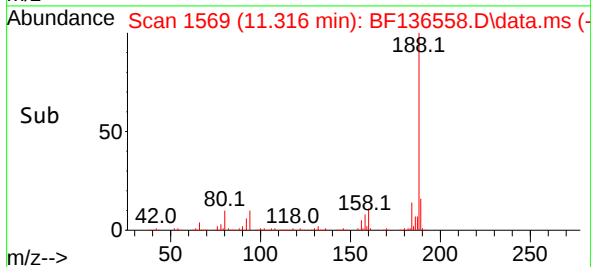
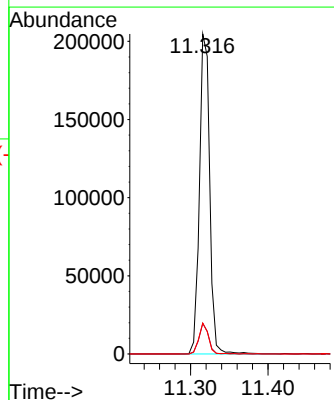
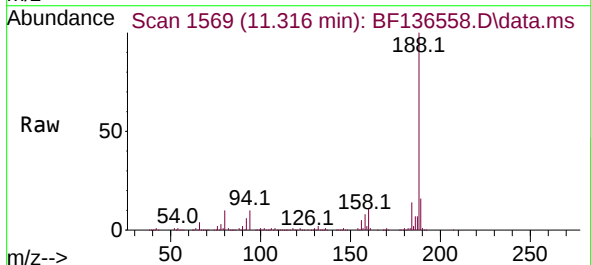


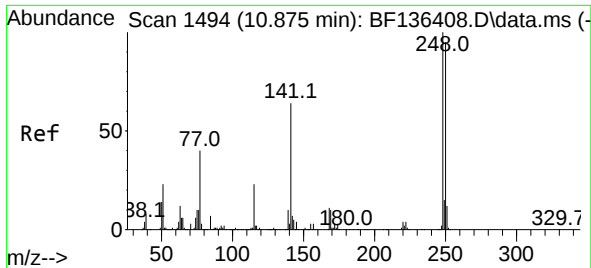
Tgt Ion:165 Resp: 13370
Ion Ratio Lower Upper
165 100
63 1.5 31.4 47.2#
89 1.2 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion:188 Resp: 187350
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 9.6 7.2 10.8

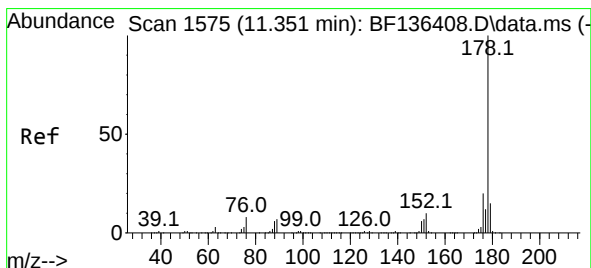
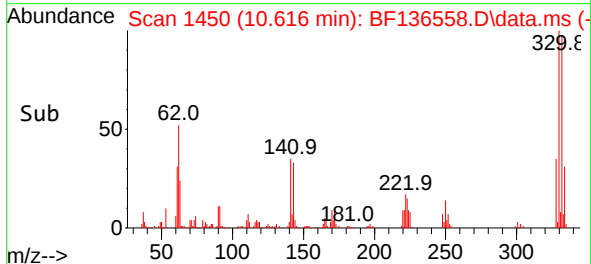
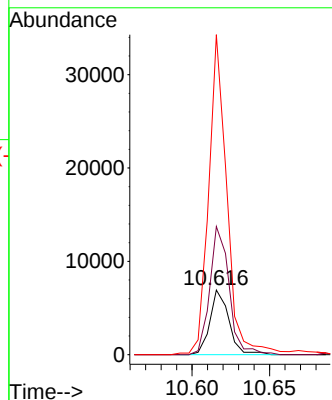
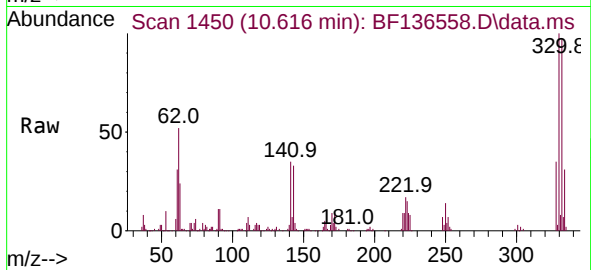




#67
4-Bromophenyl-phenylether
Concen: 2.715 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

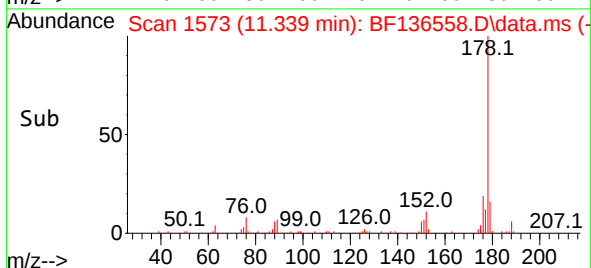
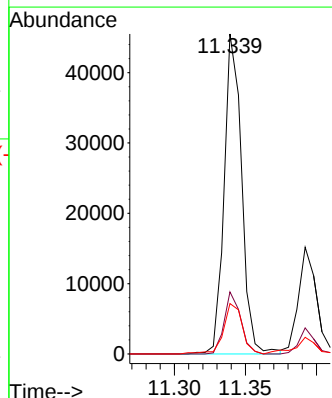
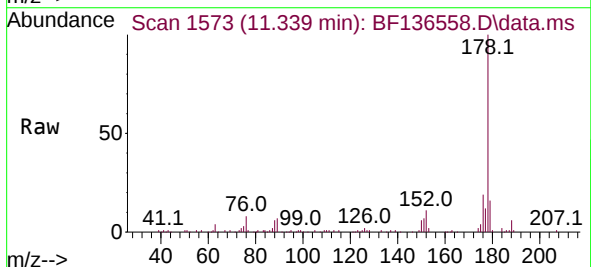
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

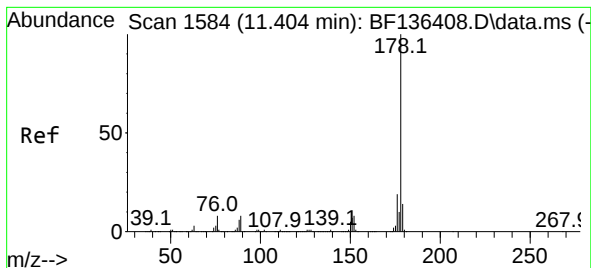
Tgt Ion:248 Resp: 5915
Ion Ratio Lower Upper
248 100
250 198.0 76.2 114.2#
141 494.6 51.0 76.4#



#71
Phenanthrene
Concen: 3.778 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136558.D
Acq: 14 Dec 2023 02:03

Tgt Ion:178 Resp: 38908
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.8 11.8 17.6





#72

Anthracene

Concen: 3.751 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

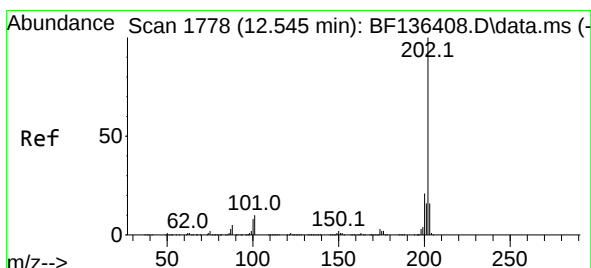
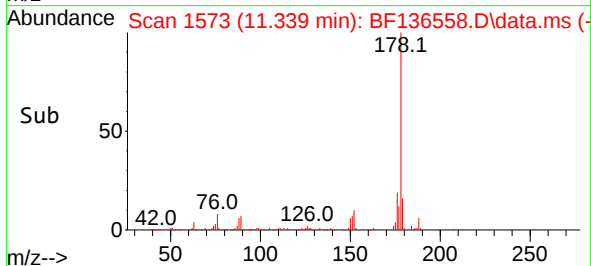
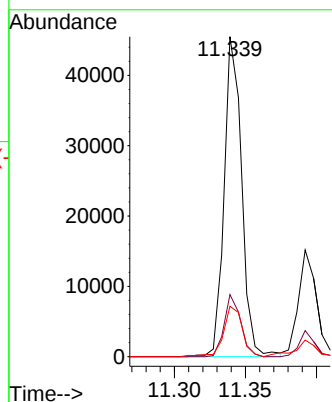
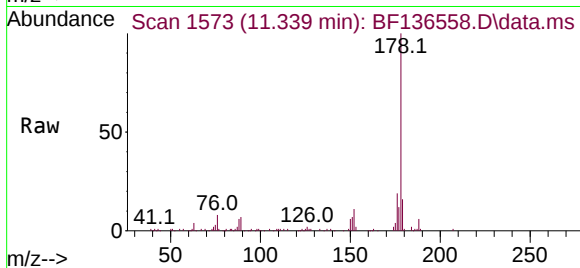
Tgt Ion:178 Resp: 38908

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.8 11.4 17.0



#75

Fluoranthene

Concen: 10.732 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

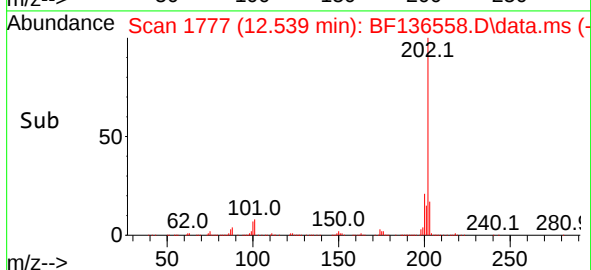
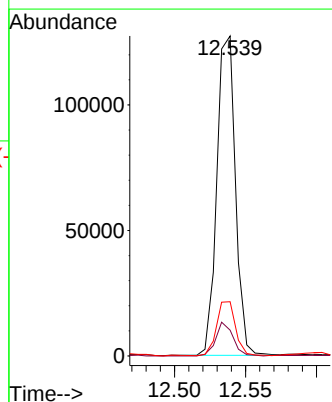
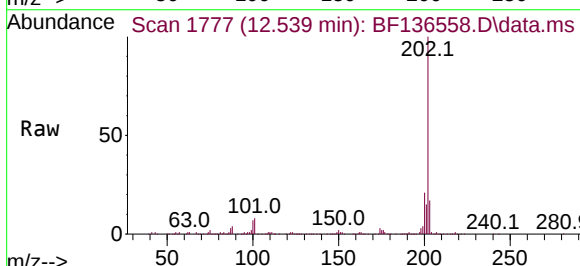
Tgt Ion:202 Resp: 115809

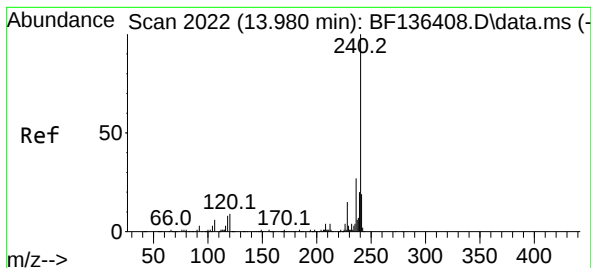
Ion Ratio Lower Upper

202 100

101 8.1 0.0 29.9

203 17.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

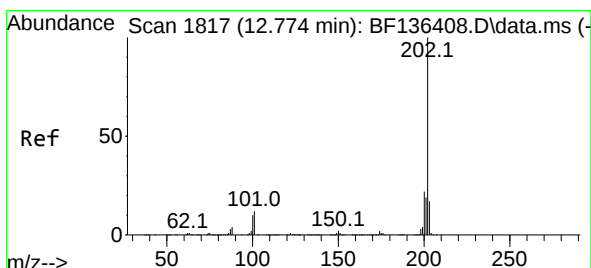
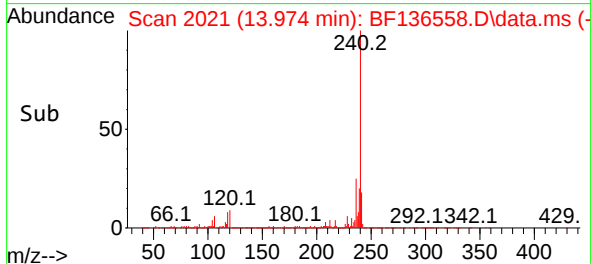
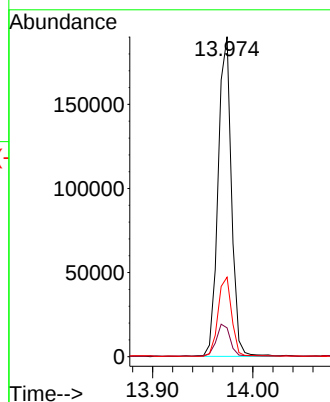
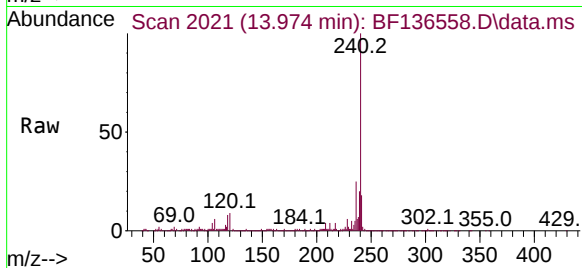
Tgt Ion:240 Resp: 175608

Ion Ratio Lower Upper

240 100

120 9.0 7.3 10.9

236 24.8 21.3 31.9



#78

Pyrene

Concen: 6.614 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

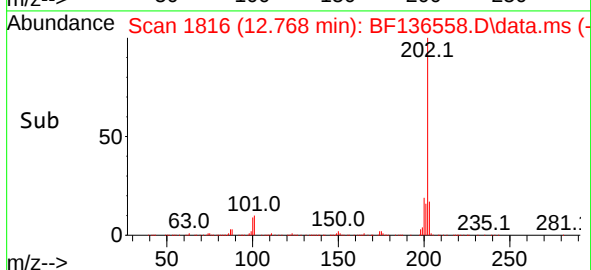
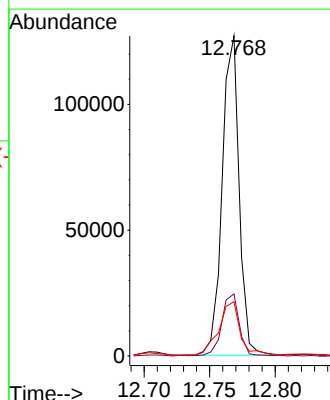
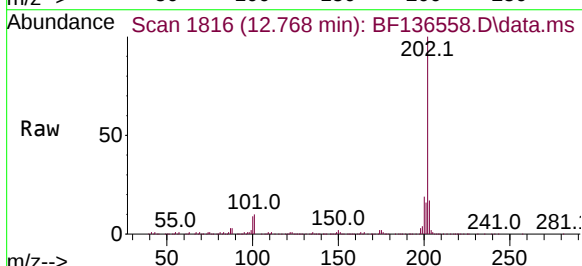
Tgt Ion:202 Resp: 113754

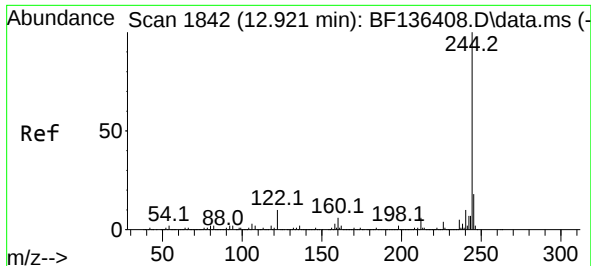
Ion Ratio Lower Upper

202 100

200 19.4 18.0 27.0

203 16.9 13.5 20.3

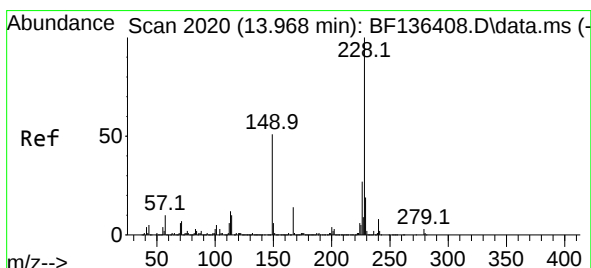
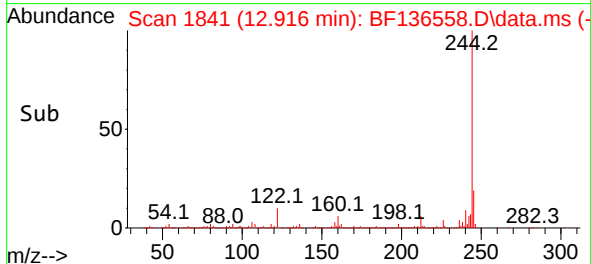
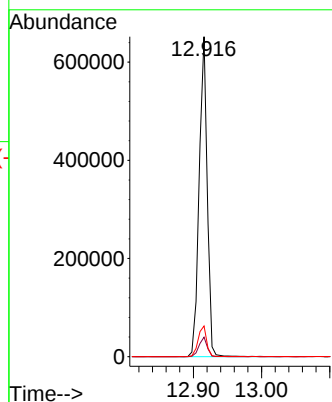
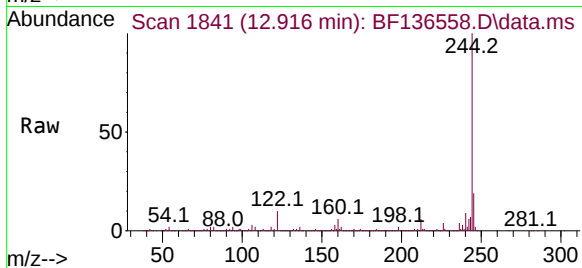




#79
 Terphenyl-d14
 Concen: 40.127 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136558.D
 Acq: 14 Dec 2023 02:03

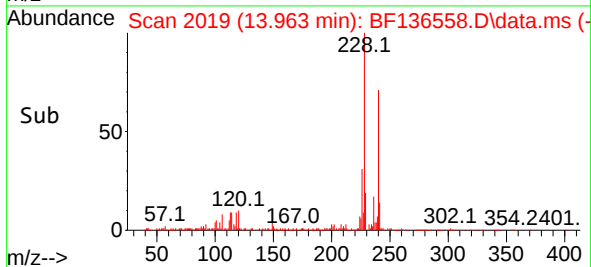
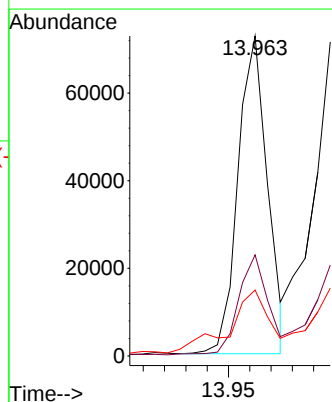
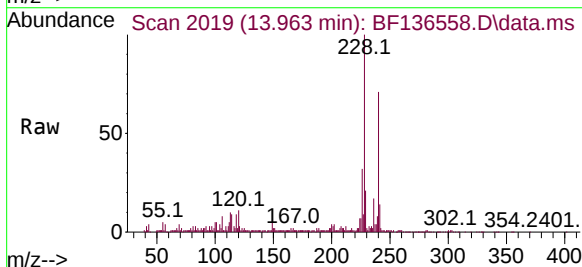
Instrument :
 BNA_F
 ClientSampleId :
 SP-E2-COMP

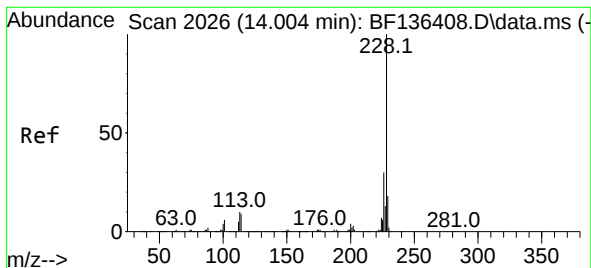
Tgt Ion:244 Resp: 534621
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 5.707 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136558.D
 Acq: 14 Dec 2023 02:03

Tgt Ion:228 Resp: 69812
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.8 32.8
 229 20.6 15.0 22.4





#83

Chrysene

Concen: 5.241 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

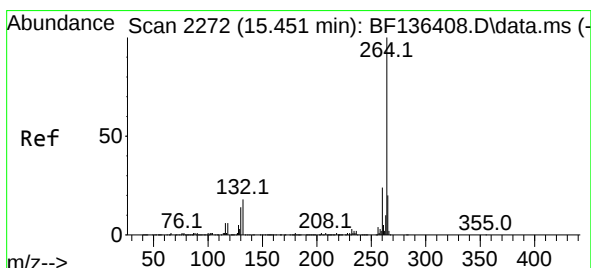
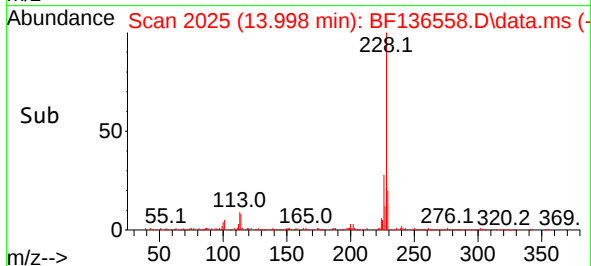
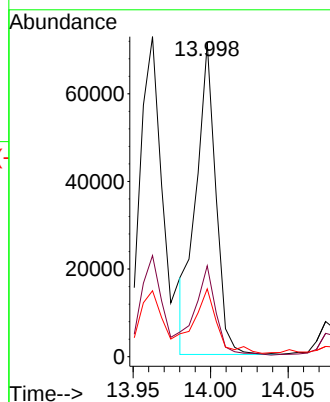
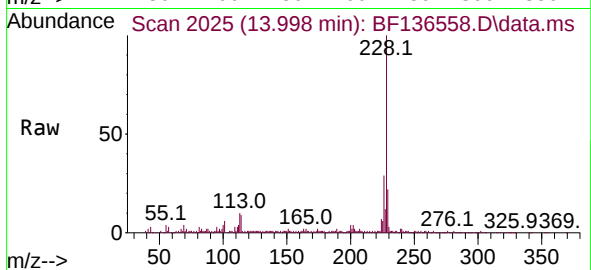
Tgt Ion:228 Resp: 63074

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.6

229 21.6 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

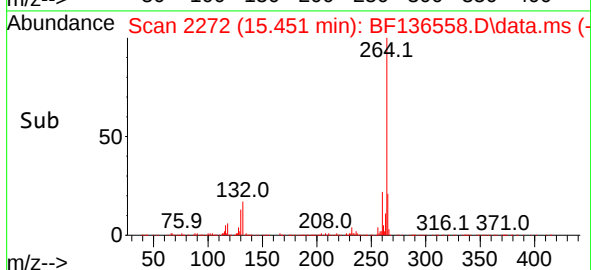
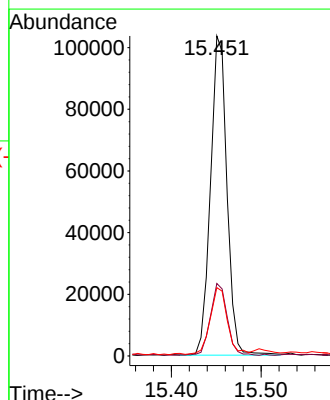
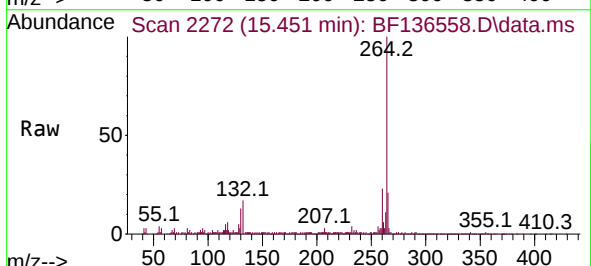
Tgt Ion:264 Resp: 131707

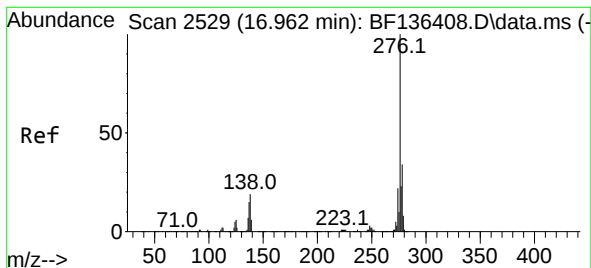
Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 21.4 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.637 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

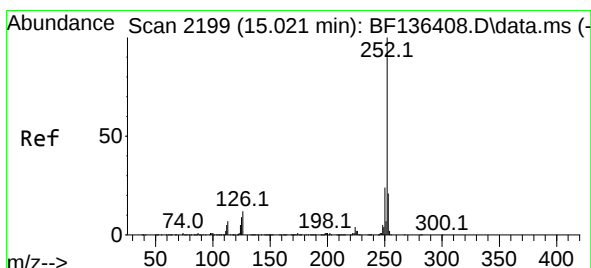
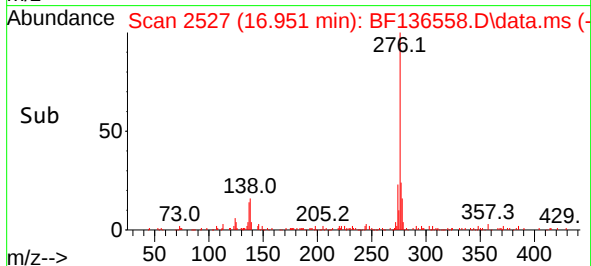
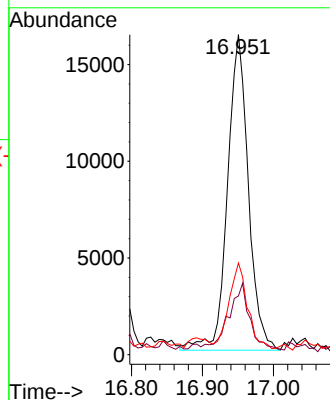
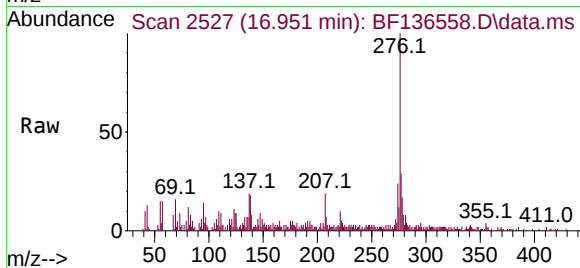
Tgt Ion:276 Resp: 33282

Ion Ratio Lower Upper

276 100

138 21.4 19.0 28.4

277 24.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 11.991 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

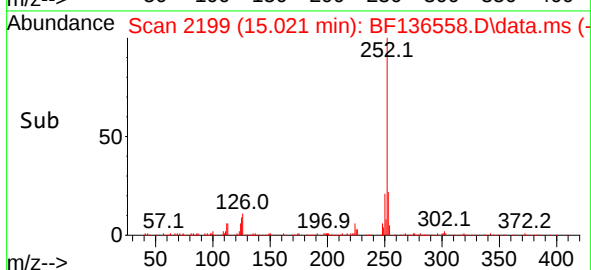
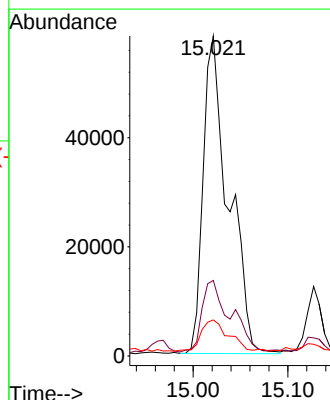
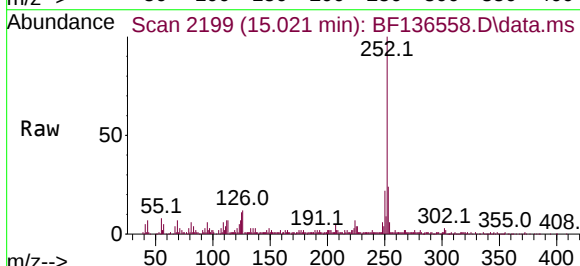
Tgt Ion:252 Resp: 107982

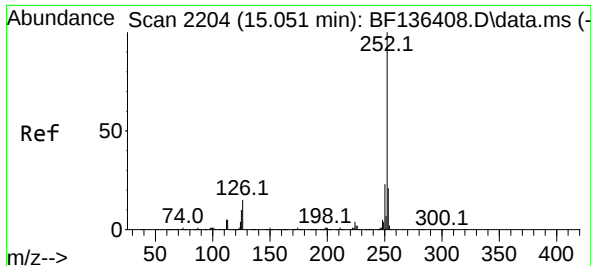
Ion Ratio Lower Upper

252 100

253 23.6 16.9 25.3

125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 12.724 ng

RT: 15.021 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

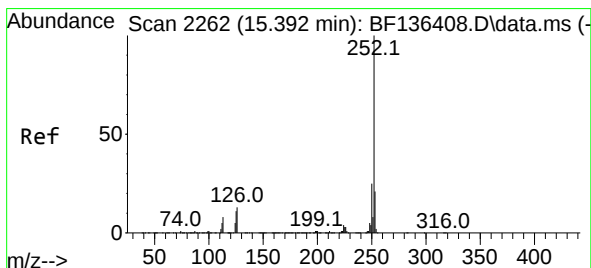
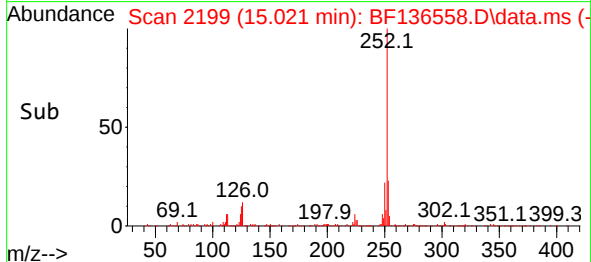
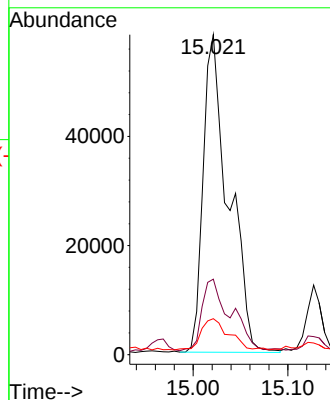
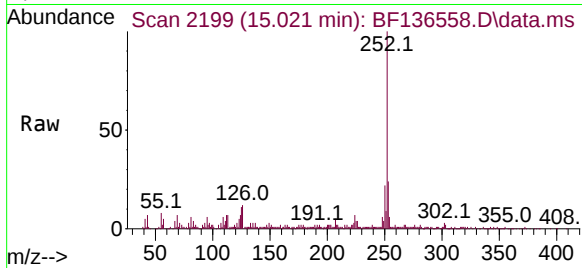
Tgt Ion:252 Resp: 107982

Ion Ratio Lower Upper

252 100

253 23.6 16.9 25.3

125 11.2 7.5 11.3



#90

Benzo(a)pyrene

Concen: 7.065 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF136558.D

Acq: 14 Dec 2023 02:03

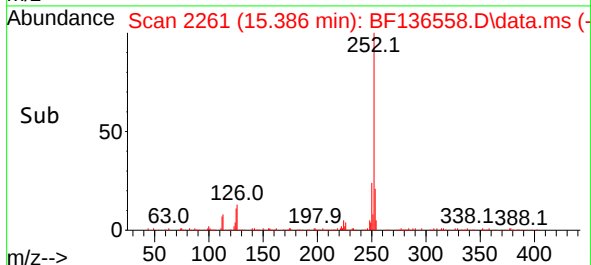
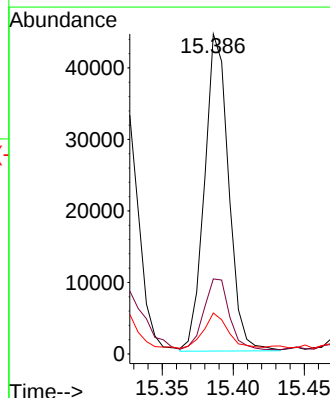
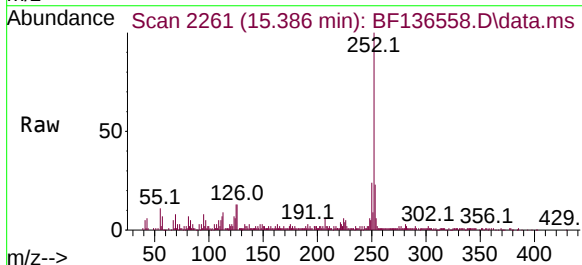
Tgt Ion:252 Resp: 52543

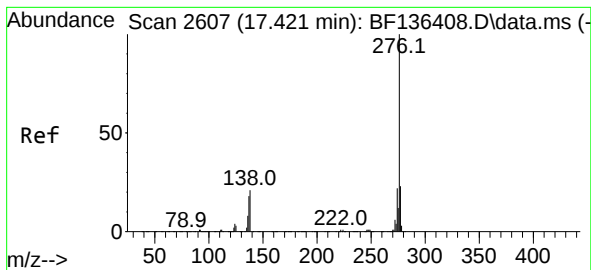
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

125 12.8 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 4.183 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136558.D

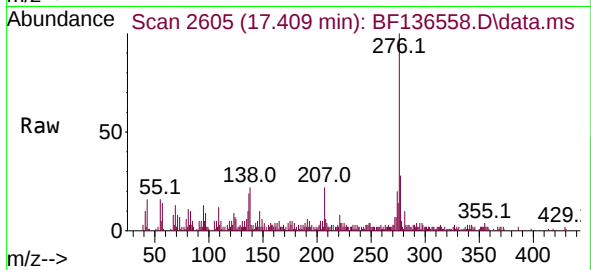
Acq: 14 Dec 2023 02:03

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP



Tgt Ion:276 Resp: 32183

Ion Ratio Lower Upper

276 100

277 27.9 18.7 28.1

138 21.8 16.6 25.0

