

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136624.D
 Acq On : 18 Dec 2023 20:14
 Operator : CG\JU
 Sample : 05767-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E2-COMPRE

Quant Time: Dec 19 01:06:30 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)

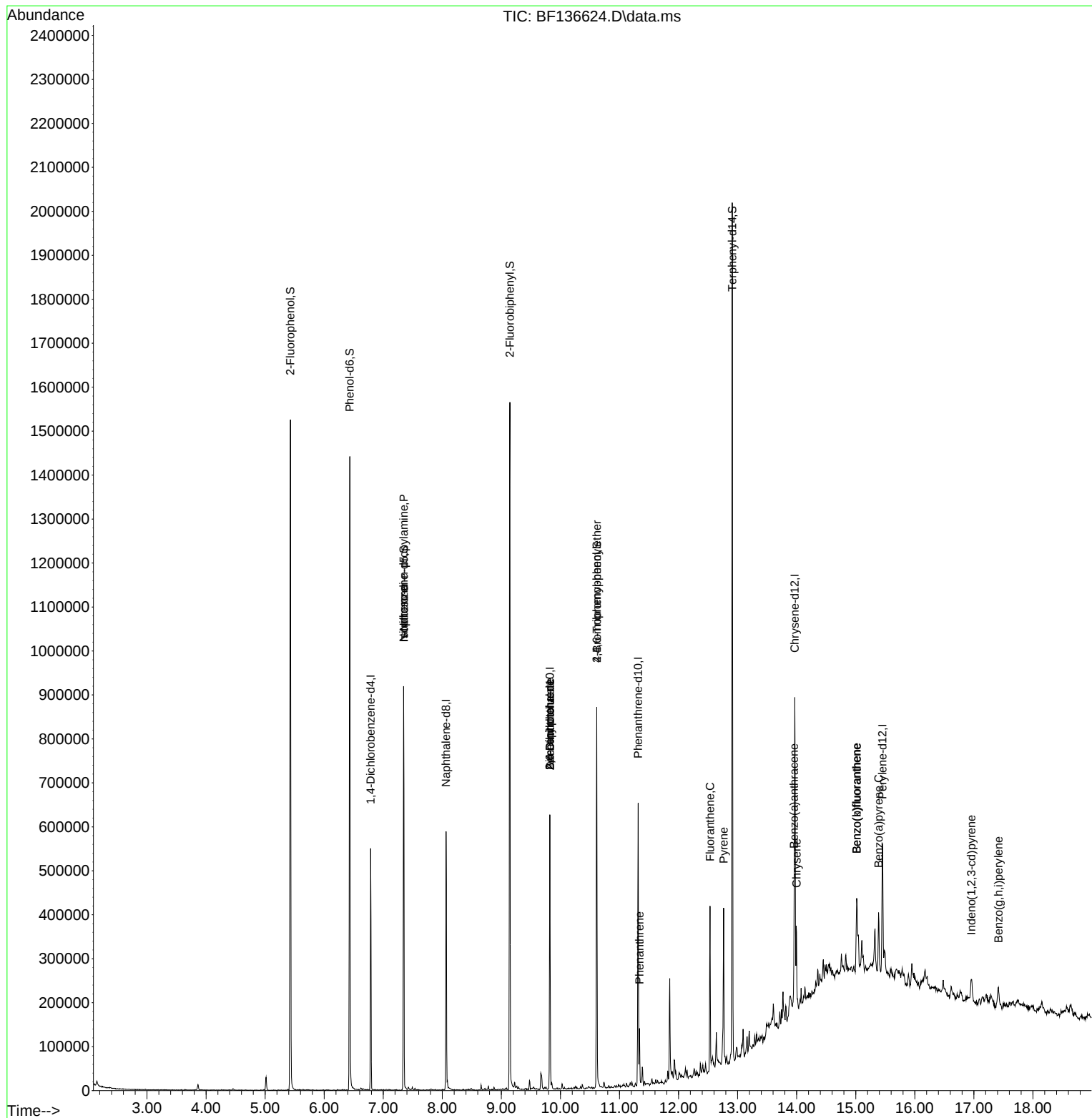
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	76950	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	262605	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	111267	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	218310	20.000	ng	0.00
76) Chrysene-d12	13.968	240	203165	20.000	ng	0.00
86) Perylene-d12	15.451	264	148838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	418299	80.280	ng	0.00
7) Phenol-d6	6.434	99	477688	73.480	ng	-0.01
23) Nitrobenzene-d5	7.345	82	278947	57.425	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	108738	79.259	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	493323	60.498	ng	0.00
79) Terphenyl-d14	12.910	244	627215	40.691	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	311	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.345	70	34438	9.183	ng	# 78
25) Isophorone	7.345	82	278943	31.962	ng	# 65
50) Dimethylphthalate	9.822	163	22550	2.753	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	15226	8.262	ng	# 28
57) 2,4-Dinitrotoluene	9.822	165	15226	6.245	ng	# 27
67) 4-Bromophenyl-phenylether	10.616	248	6779	2.671	ng	# 1
71) Phenanthrene	11.339	178	45255	3.771	ng	98
75) Fluoranthene	12.533	202	137255	10.915	ng	98
77) Benzidine	12.627	184	381	Below Cal	#	1
78) Pyrene	12.763	202	136421	6.856	ng	98
81) Benzo(a)anthracene	13.957	228	85461	6.039	ng	94
83) Chrysene	13.998	228	78017	5.603	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	38927	3.765	ng	99
88) Benzo(b)fluoranthene	15.015	252	125098	12.293	ng	# 93
89) Benzo(k)fluoranthene	15.015	252	125098	13.044	ng	# 93
90) Benzo(a)pyrene	15.386	252	59496	7.079	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	38032	4.374	ng	# 93

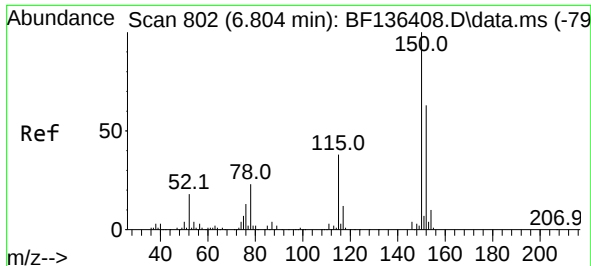
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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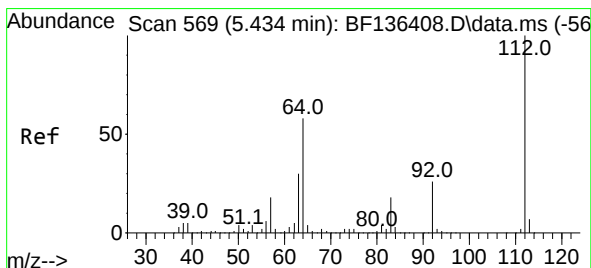
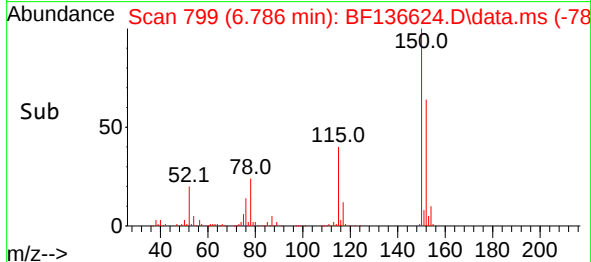
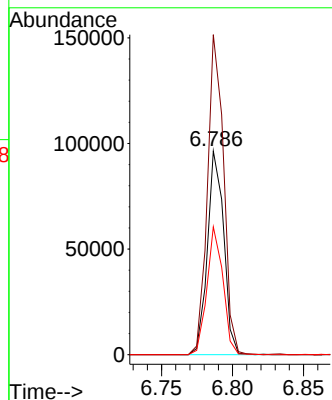
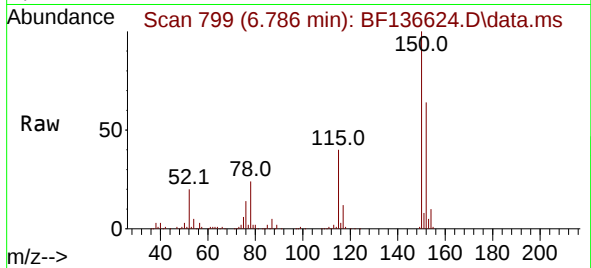




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

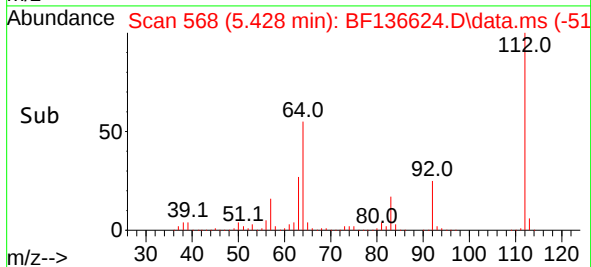
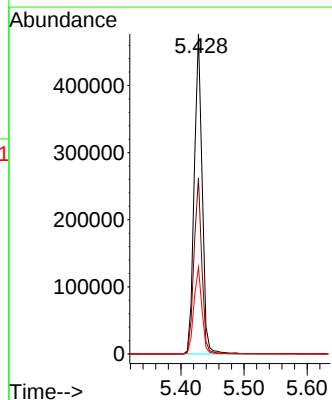
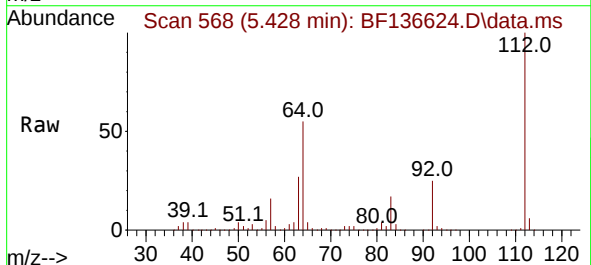
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMPRE

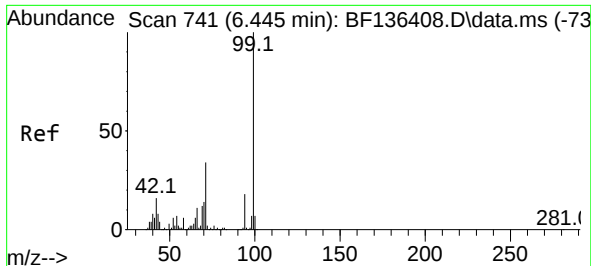
Tgt Ion:152 Resp: 76950
Ion Ratio Lower Upper
152 100
150 157.1 126.4 189.6
115 62.7 48.2 72.4



#5
2-Fluorophenol
Concen: 80.280 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:112 Resp: 418299
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 27.1 23.9 35.9

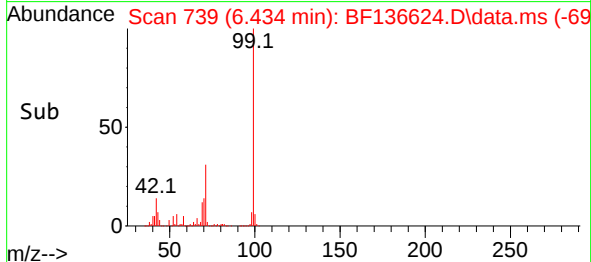
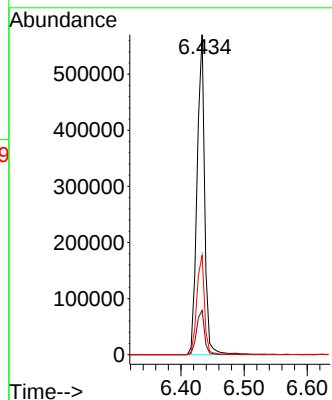
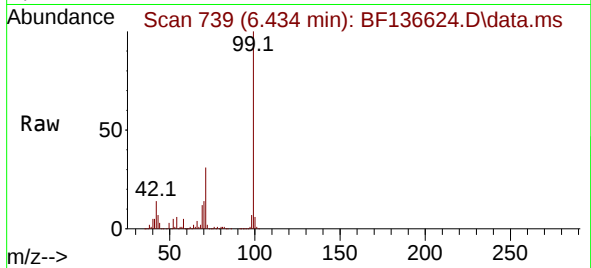




#7
Phenol-d6
Concen: 73.480 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

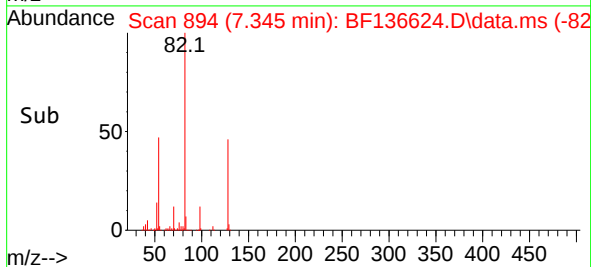
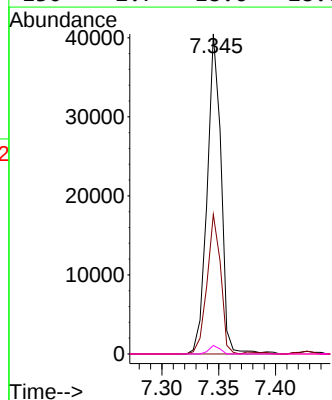
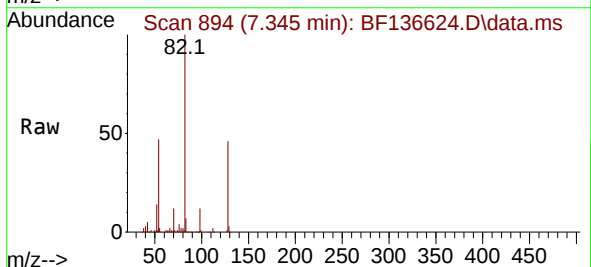
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

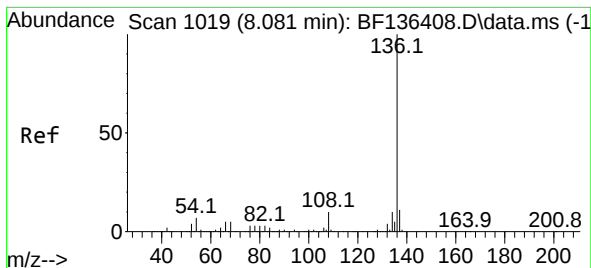
Tgt Ion: 99 Resp: 477688
Ion Ratio Lower Upper
99 100
42 13.9 12.8 19.2
71 31.1 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.183 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion: 70 Resp: 34438
Ion Ratio Lower Upper
70 100
42 43.6 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: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

Tgt Ion:136 Resp: 262605

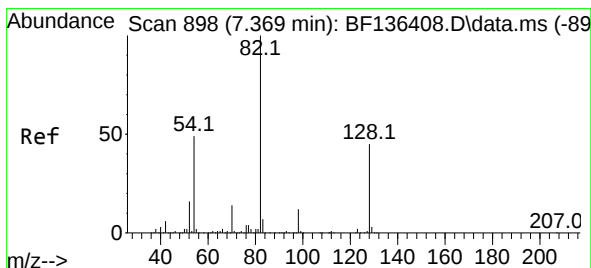
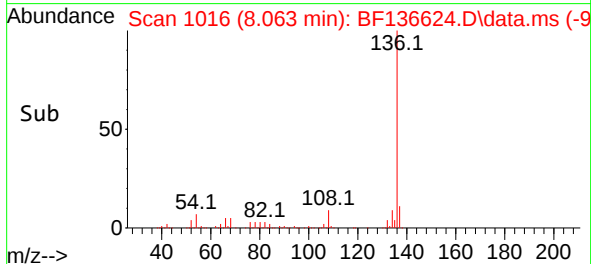
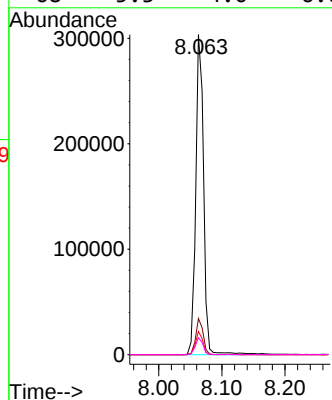
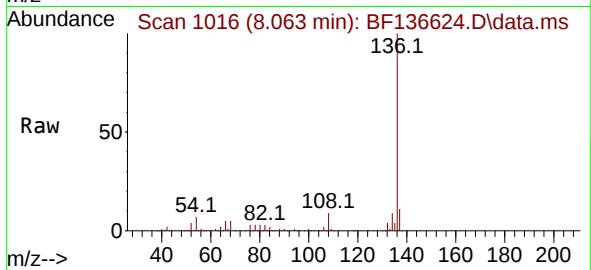
Ion Ratio Lower Upper

136 100

137 11.3 8.6 12.8

54 7.2 5.7 8.5

68 5.3 4.0 6.0



#23

Nitrobenzene-d5

Concen: 57.425 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

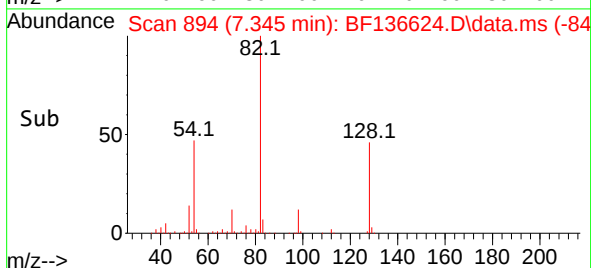
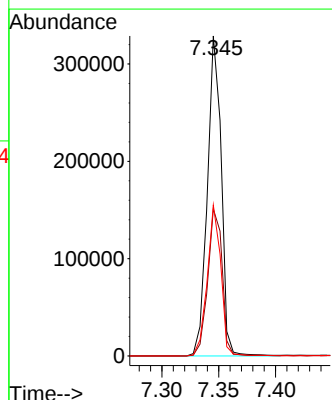
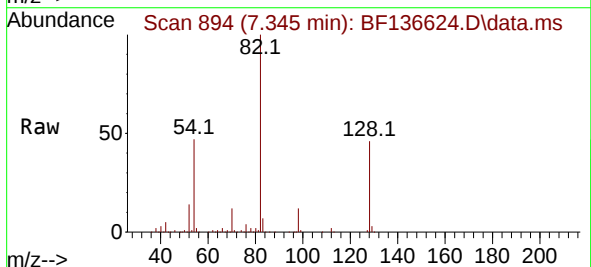
Tgt Ion: 82 Resp: 278947

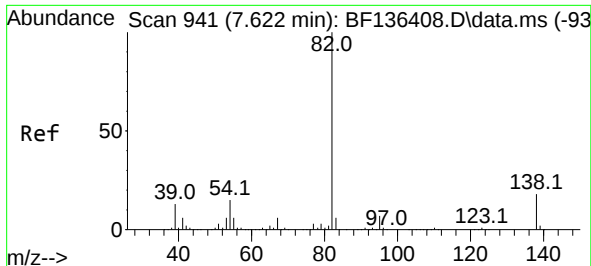
Ion Ratio Lower Upper

82 100

128 46.0 36.3 54.5

54 47.1 39.0 58.6

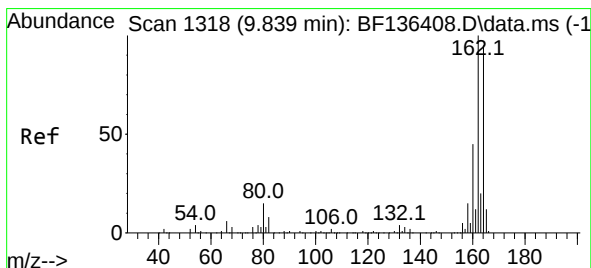
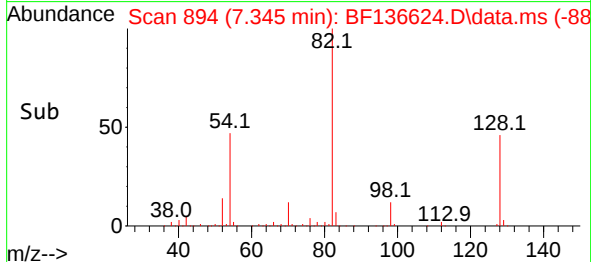
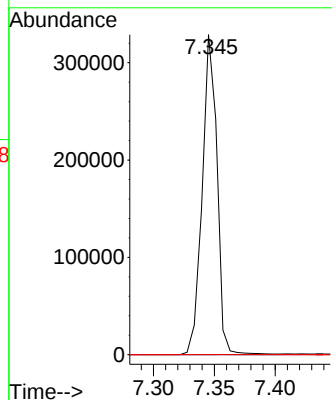
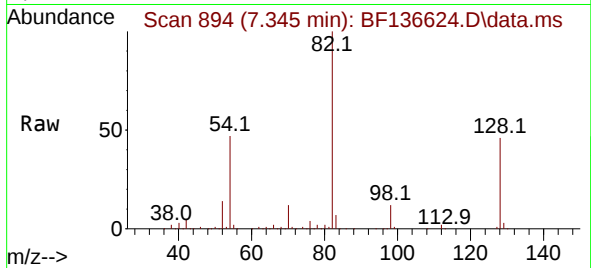




#25
Isophorone
Concen: 31.962 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

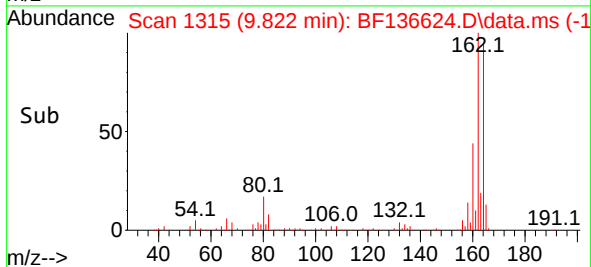
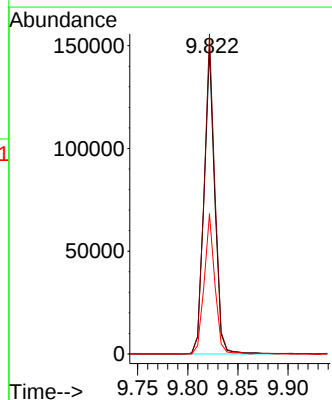
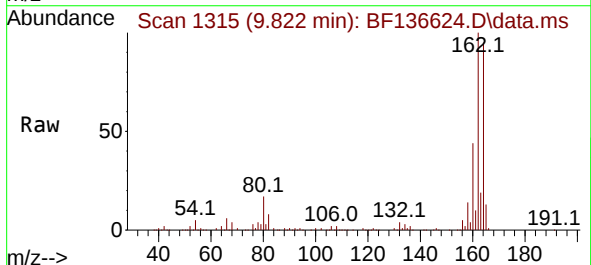
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMPRE

Tgt Ion: 82 Resp: 278943
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: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:164 Resp: 111267
Ion Ratio Lower Upper
164 100
162 105.0 84.4 126.6
160 46.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 79.259 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMPRE

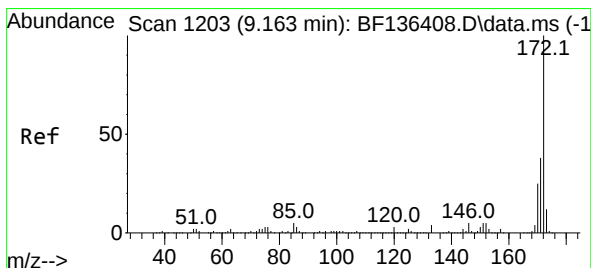
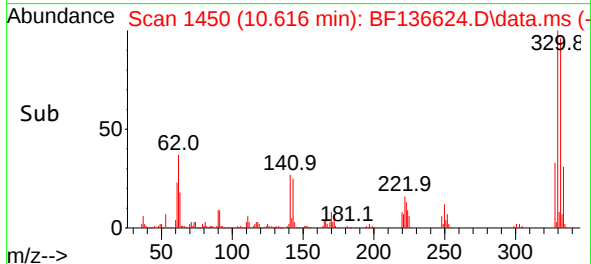
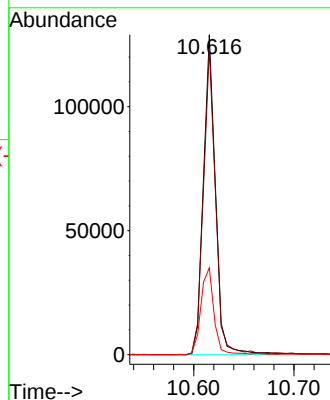
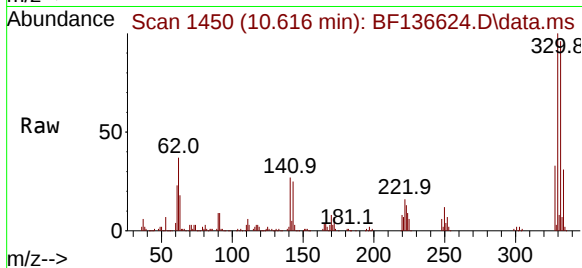
Tgt Ion:330 Resp: 108738

Ion Ratio Lower Upper

330 100

332 96.0 76.4 114.6

141 29.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 60.498 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

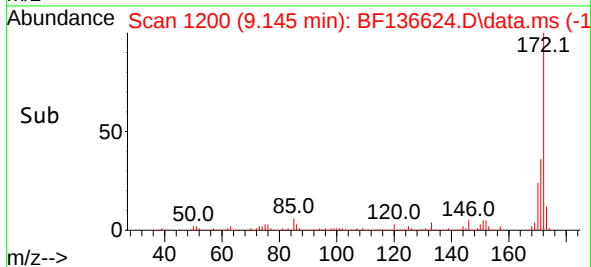
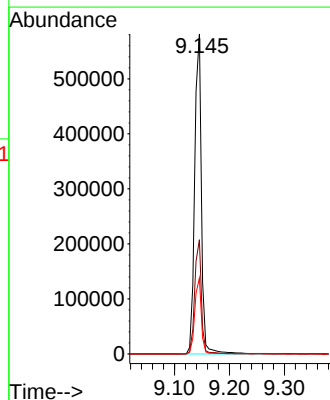
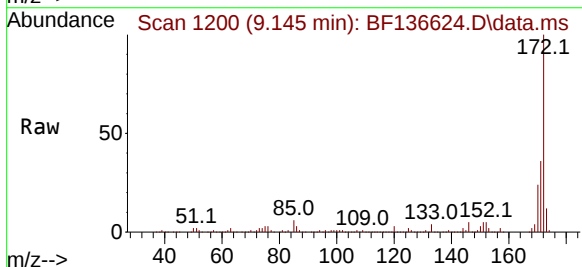
Tgt Ion:172 Resp: 493323

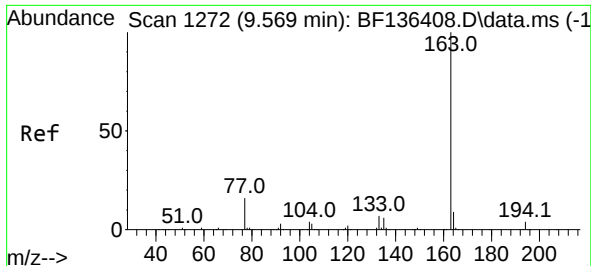
Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 23.7 19.9 29.9

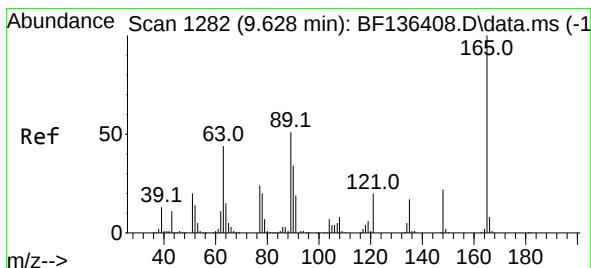
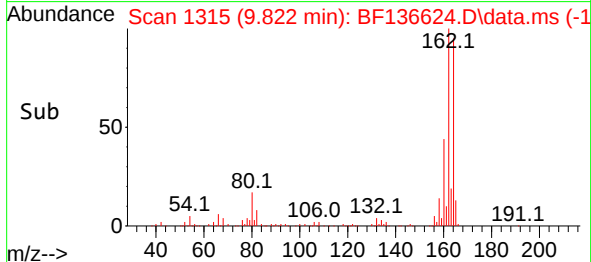
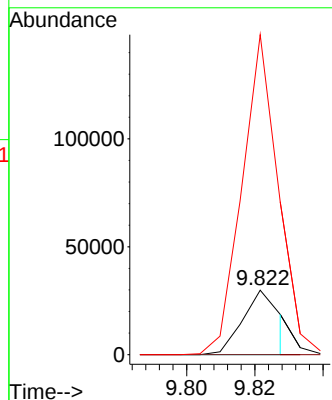
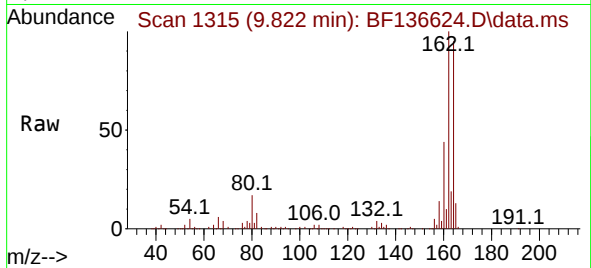




#50
Dimethylphthalate
Concen: 2.753 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

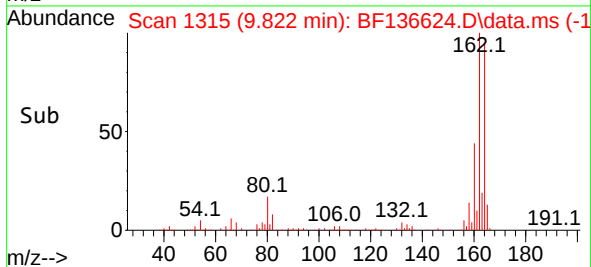
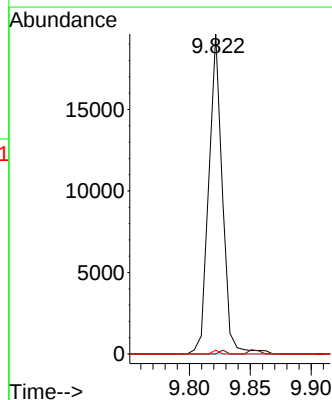
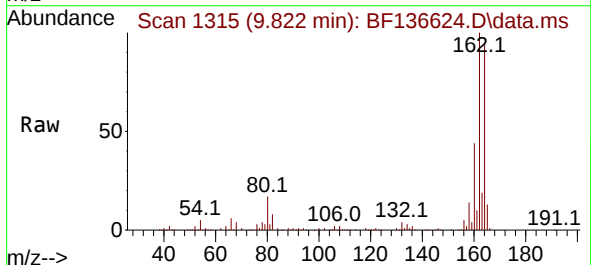
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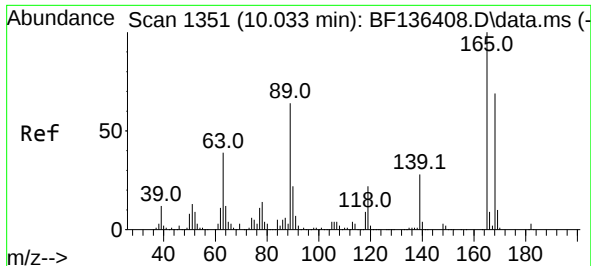
Tgt Ion:163 Resp: 22550
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 496.3 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

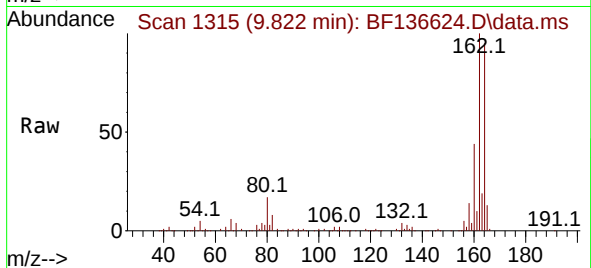
Tgt Ion:165 Resp: 15226
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 1.2 40.6 60.8#



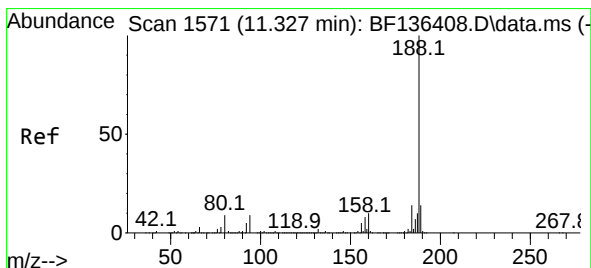
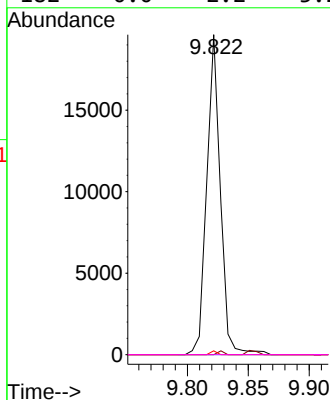
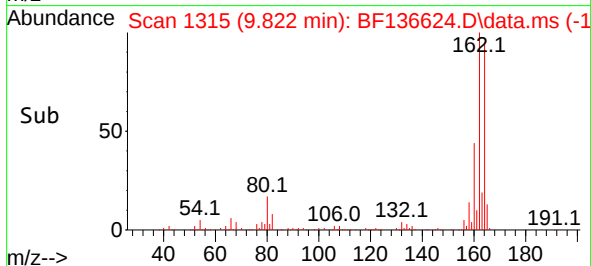


#57
2,4-Dinitrotoluene
Concen: 6.245 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

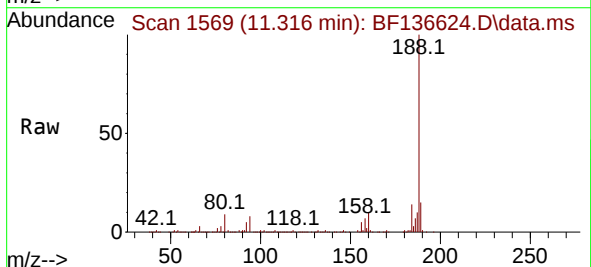
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMPRE



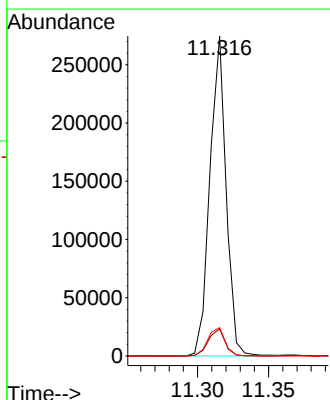
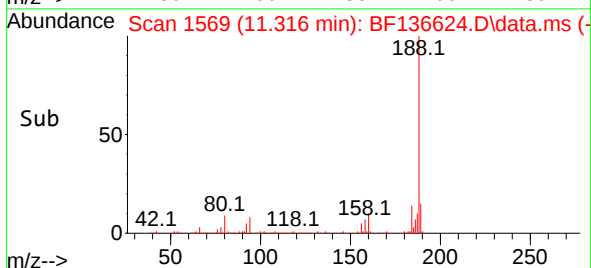
Tgt Ion:165 Resp: 15226
Ion Ratio Lower Upper
165 100
63 0.0 31.4 47.2#
89 1.2 51.7 77.5#
182 0.0 2.2 3.2#

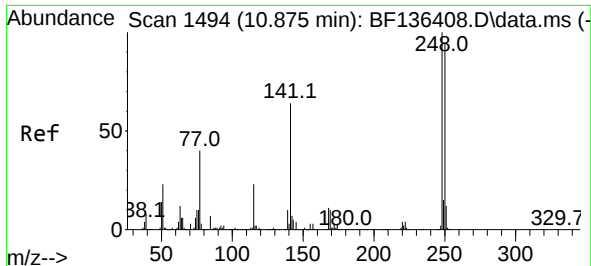


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14



Tgt Ion:188 Resp: 218310
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 8.9 7.2 10.8

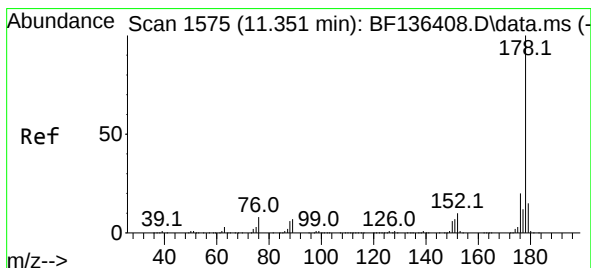
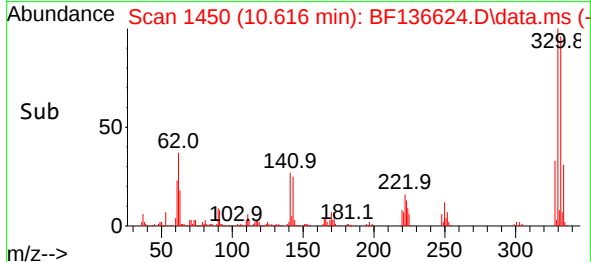
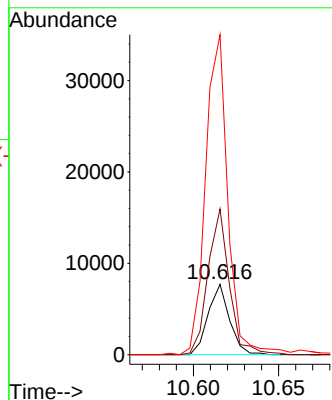
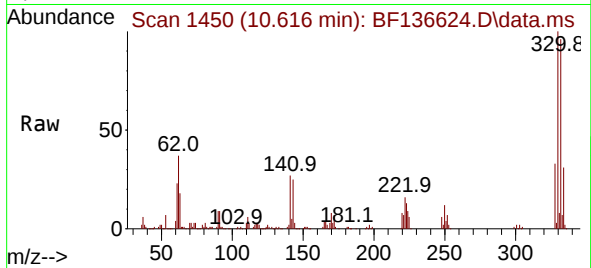




#67
4-Bromophenyl-phenylether
Concen: 2.671 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

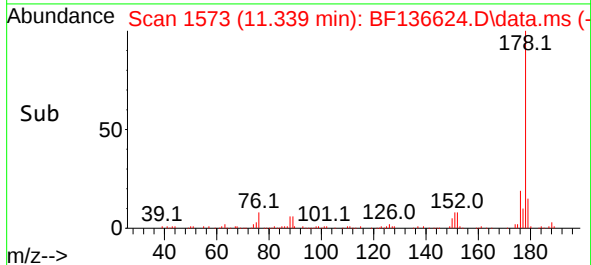
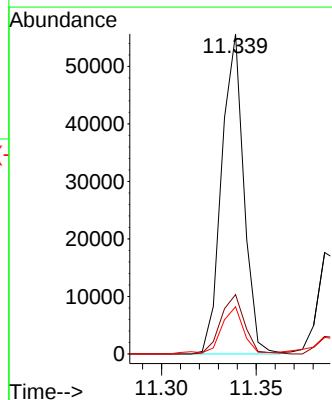
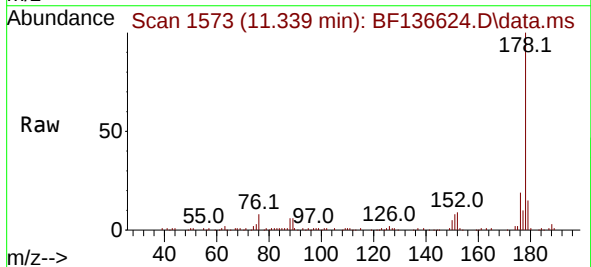
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

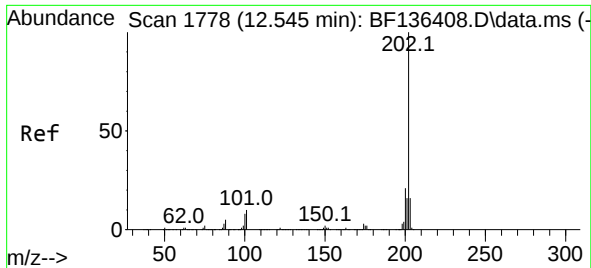
Tgt Ion:248 Resp: 6779
Ion Ratio Lower Upper
248 100
250 206.9 76.2 114.2#
141 454.0 51.0 76.4#



#71
Phenanthrene
Concen: 3.771 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:178 Resp: 45255
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.7 11.8 17.6

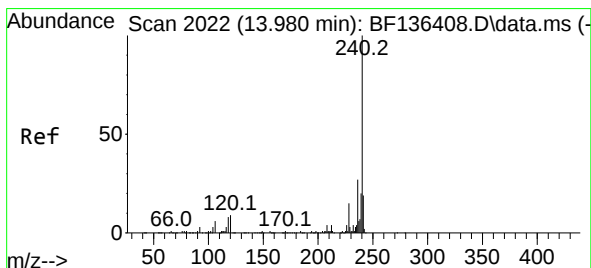
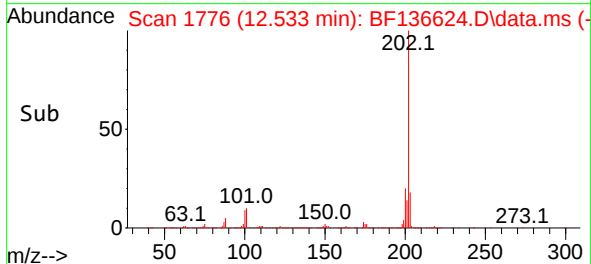
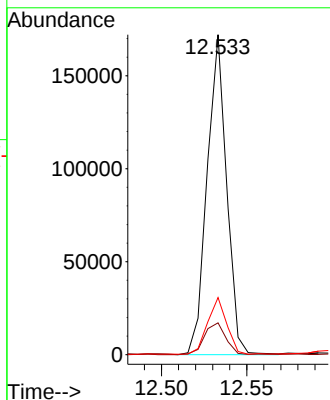
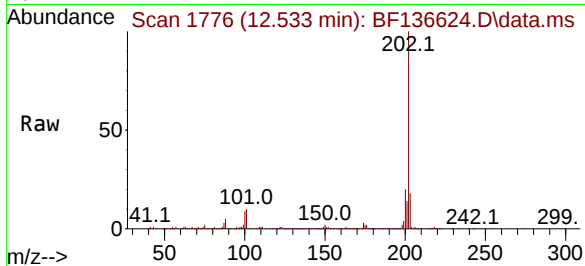




#75
Fluoranthene
Concen: 10.915 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

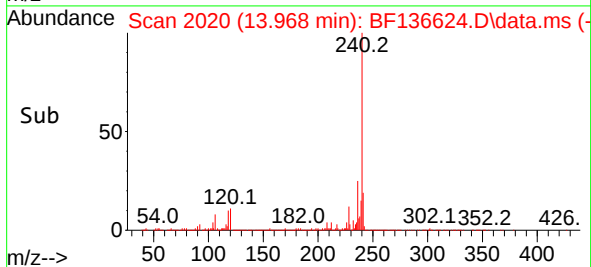
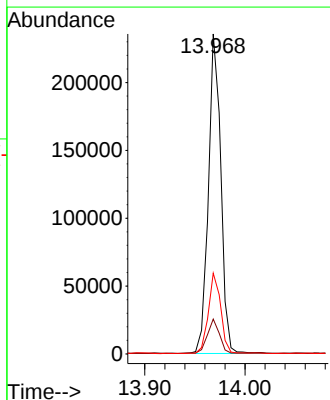
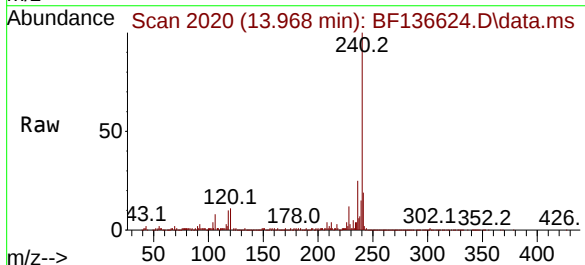
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

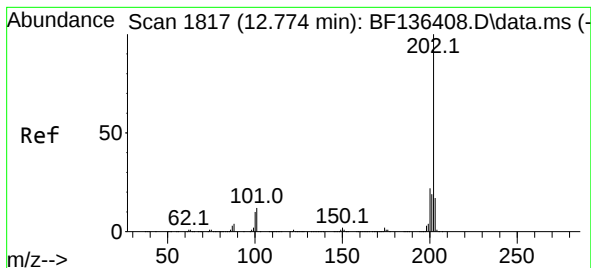
Tgt Ion:202 Resp: 137255
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.9 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:240 Resp: 203165
Ion Ratio Lower Upper
240 100
120 10.9 7.3 10.9
236 25.3 21.3 31.9





#78

Pyrene

Concen: 6.856 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

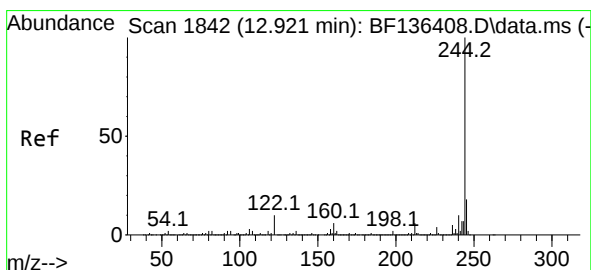
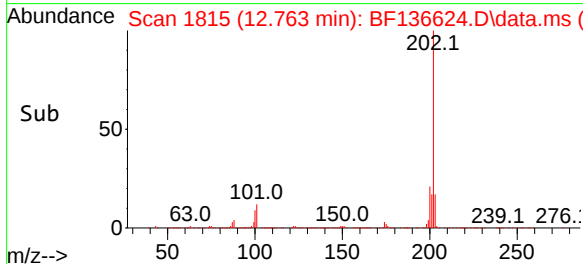
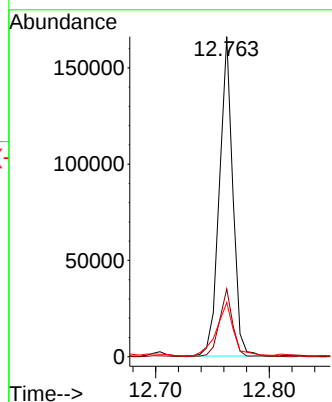
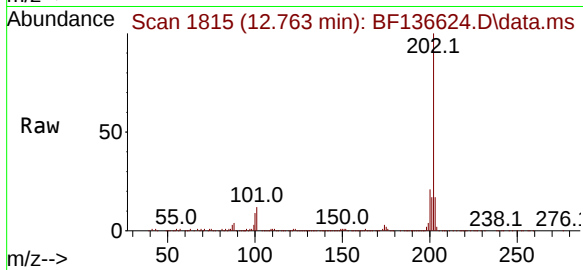
Tgt Ion:202 Resp: 136421

Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 16.9 13.5 20.3



#79

Terphenyl-d14

Concen: 40.691 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

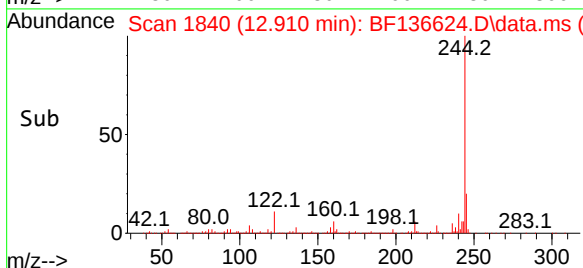
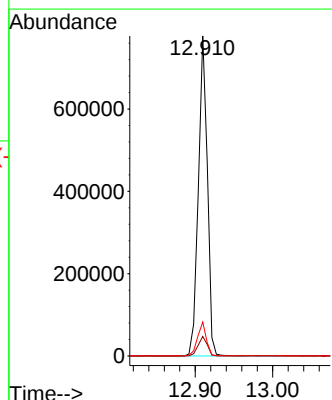
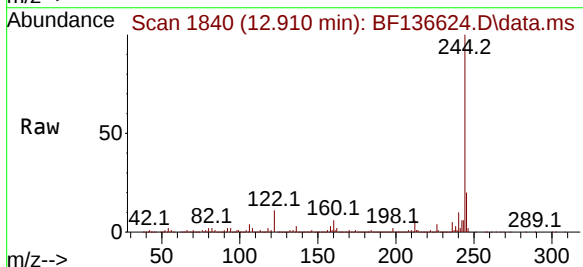
Tgt Ion:244 Resp: 627215

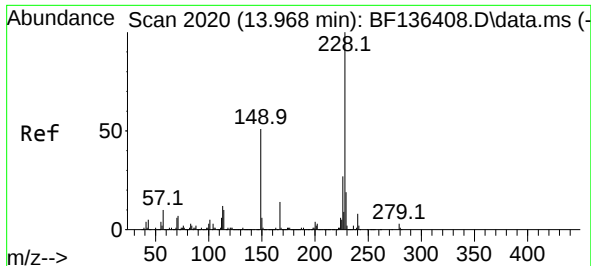
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.6 8.3 12.5

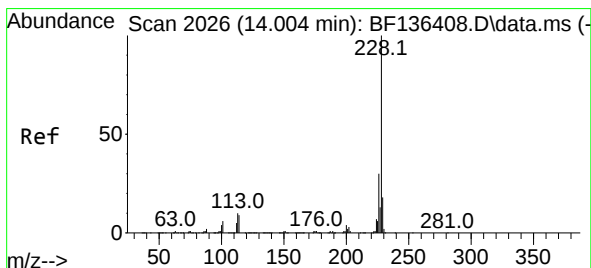
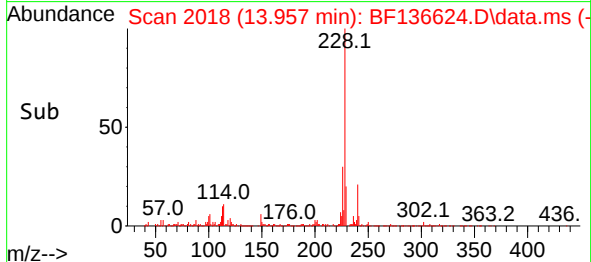
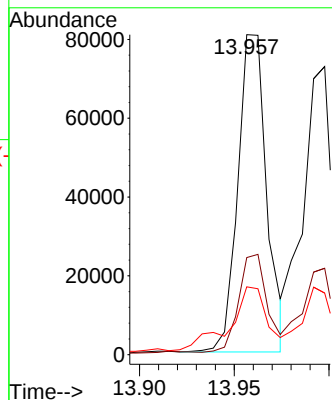
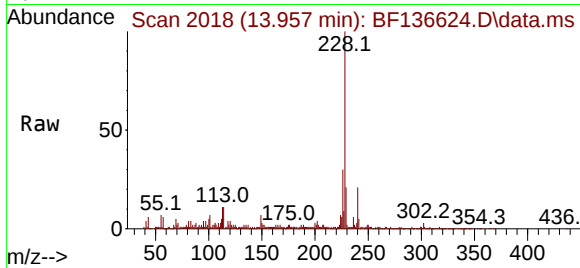




#81
Benzo(a)anthracene
Concen: 6.039 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

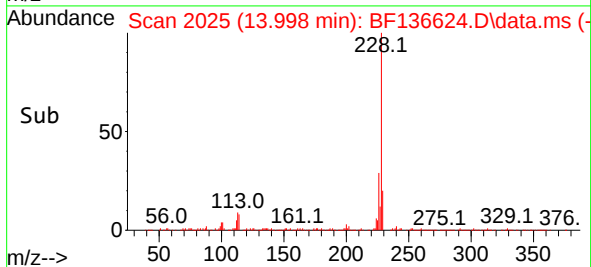
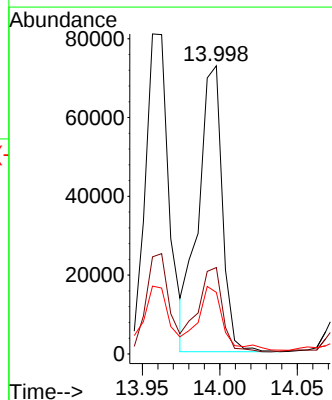
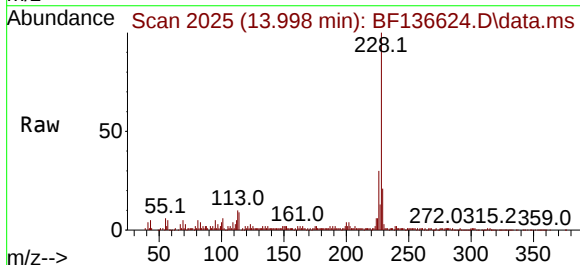
Instrument :
BNA_F
ClientSampleId :
SP-E2-COMP

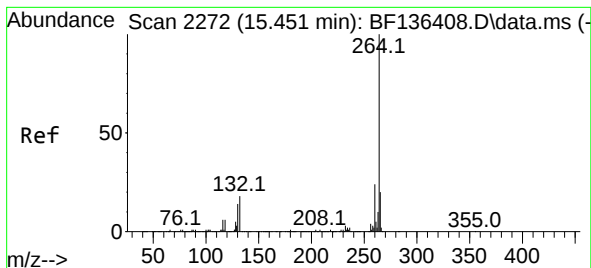
Tgt Ion:228 Resp: 85461
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 21.2 15.0 22.4



#83
Chrysene
Concen: 5.603 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136624.D
Acq: 18 Dec 2023 20:14

Tgt Ion:228 Resp: 78017
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 21.4 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: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMP

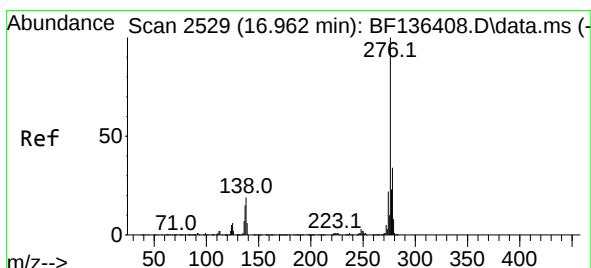
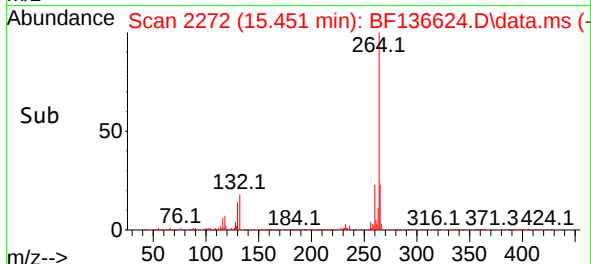
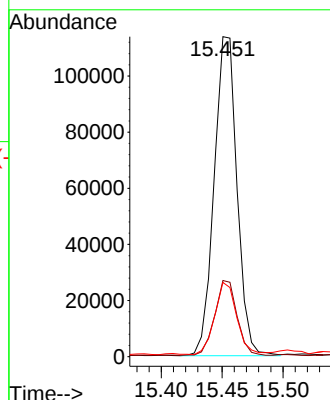
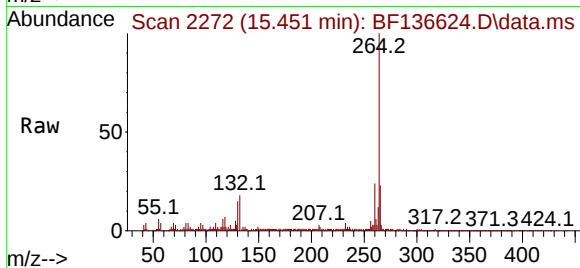
Tgt Ion:264 Resp: 148838

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 23.2 15.9 23.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.765 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.018 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

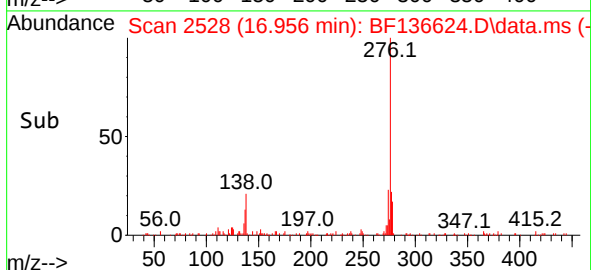
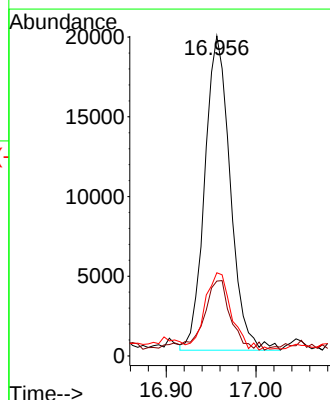
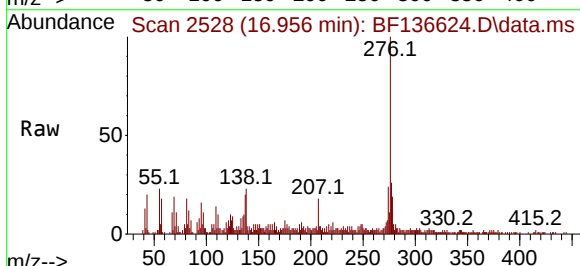
Tgt Ion:276 Resp: 38927

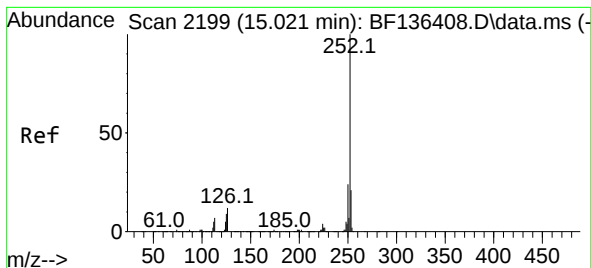
Ion Ratio Lower Upper

276 100

138 23.9 19.0 28.4

277 24.4 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 12.293 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNA_F

ClientSampleId :

SP-E2-COMPRE

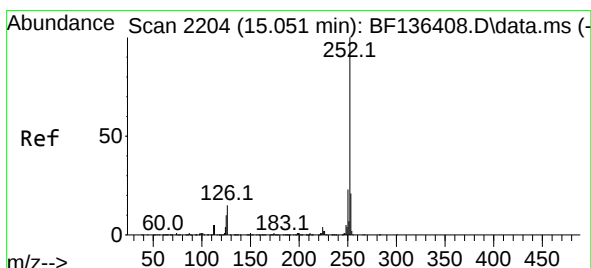
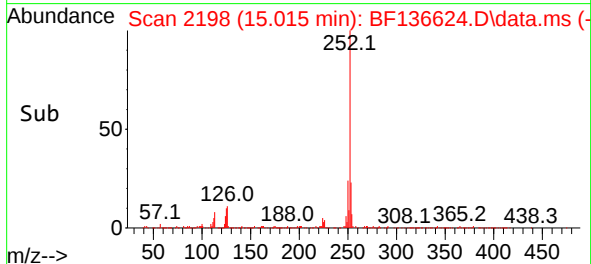
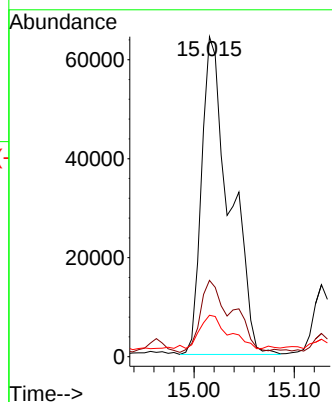
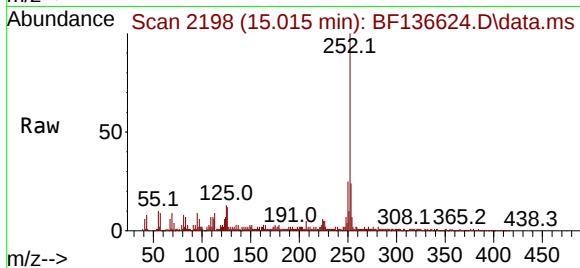
Tgt Ion:252 Resp: 125098

Ion Ratio Lower Upper

252 100

253 23.9 16.9 25.3

125 13.0 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 13.044 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

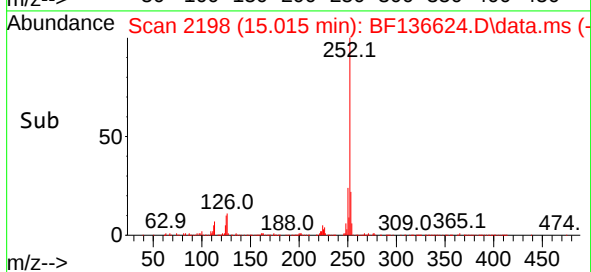
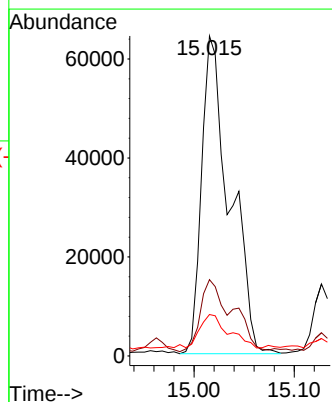
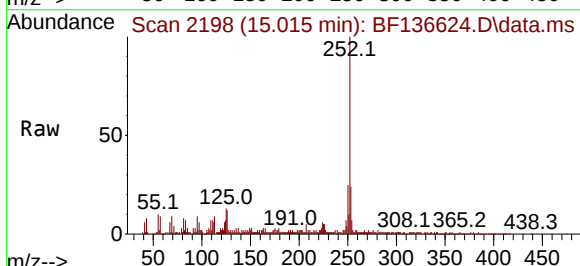
Tgt Ion:252 Resp: 125098

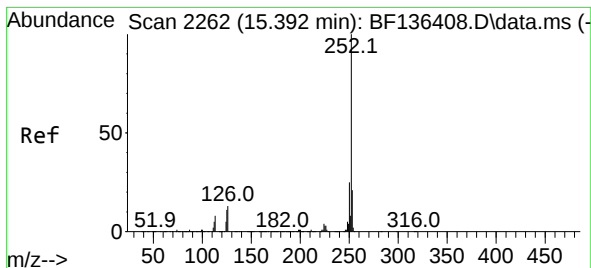
Ion Ratio Lower Upper

252 100

253 23.9 16.9 25.3

125 13.0 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.079 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Instrument :

BNF_F

ClientSampleId :

SP-E2-COMPRE

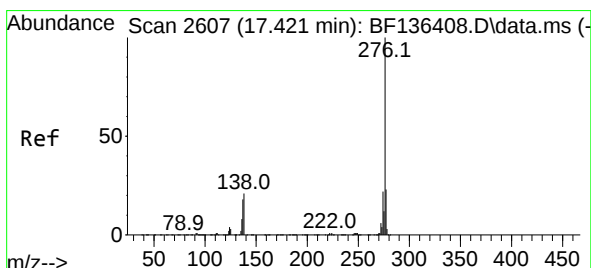
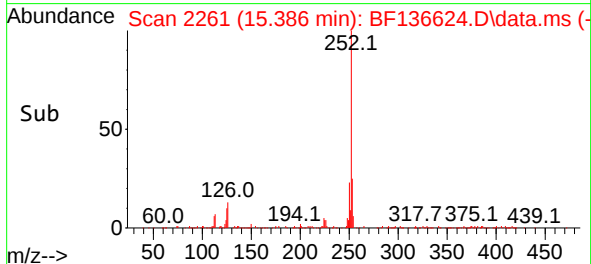
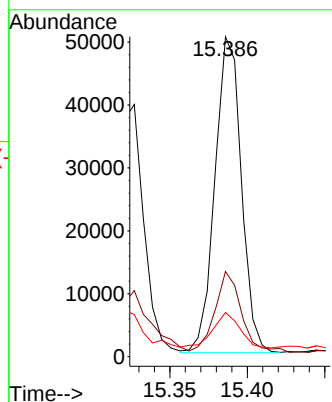
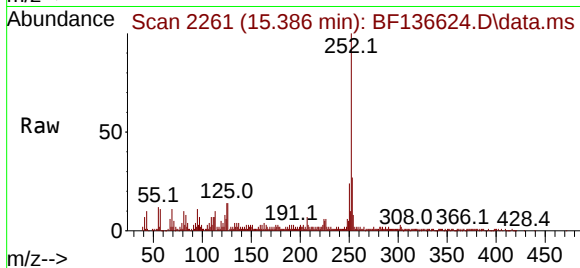
Tgt Ion:252 Resp: 59496

Ion Ratio Lower Upper

252 100

253 26.6 17.0 25.4#

125 13.8 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 4.374 ng

RT: 17.415 min Scan# 2606

Delta R.T. -0.024 min

Lab File: BF136624.D

Acq: 18 Dec 2023 20:14

Tgt Ion:276 Resp: 38032

Ion Ratio Lower Upper

276 100

277 30.1 18.7 28.1#

138 21.0 16.6 25.0

