

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136256.D
 Acq On : 28 Nov 2023 18:57
 Operator : CG\JU
 Sample : 05492-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Nov 29 00:48:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

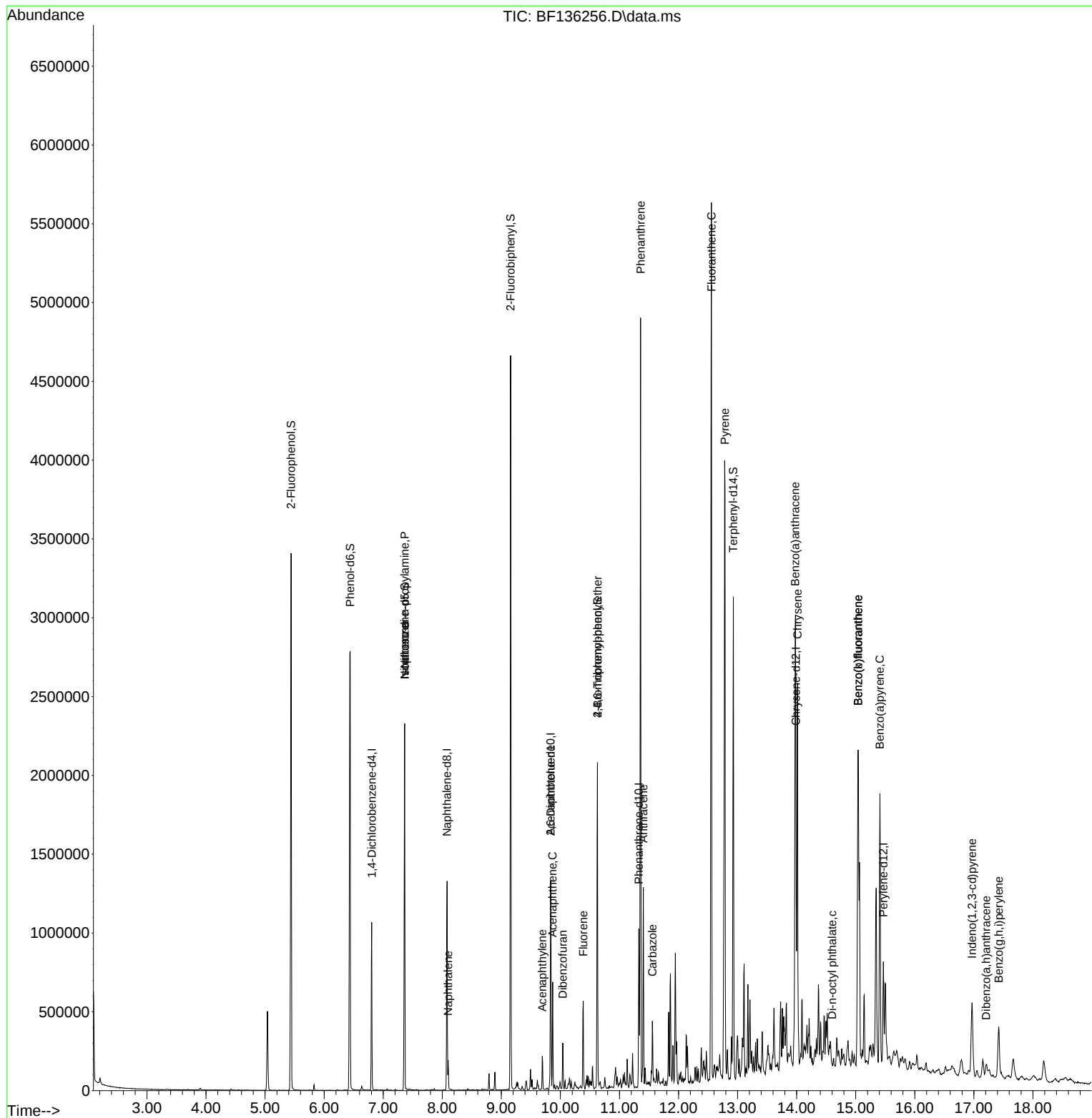
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	139654	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	562567	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	256138	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	360003	20.000	ng	0.00
76) Chrysene-d12	13.986	240	252565	20.000	ng	0.00
86) Perylene-d12	15.469	264	281990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	897518	89.450	ng	0.00
7) Phenol-d6	6.440	99	1109557	88.440	ng	0.00
23) Nitrobenzene-d5	7.363	82	672541	63.173	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	227884	72.771	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1356402	67.641	ng	-0.01
79) Terphenyl-d14	12.928	244	961363	43.906	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	86735	11.559	ng	# 77
25) Isophorone	7.363	82	671337	34.972	ng	# 68
31) Naphthalene	8.098	128	68247	2.158	ng	# 95
49) Acenaphthylene	9.692	152	77010	3.076	ng	96
51) 2,6-Dinitrotoluene	9.834	165	33819	8.551	ng	# 24
52) Acenaphthene	9.869	154	121774	7.698	ng	98
55) Dibenzofuran	10.039	168	83104	3.530	ng	# 97
58) Fluorene	10.386	166	142273	7.705	ng	97
67) 4-Bromophenyl-phenylether	10.628	248	13522	3.220	ng	# 1
71) Phenanthrene	11.357	178	1721305	85.071	ng	99
72) Anthracene	11.404	178	419615	20.680	ng	98
73) Carbazole	11.557	167	147822	8.566	ng	99
75) Fluoranthene	12.557	202	2343104	114.071	ng	100
78) Pyrene	12.786	202	1910411	69.067	ng	99
81) Benzo(a)anthracene	13.974	228	1176932	62.737	ng	97
83) Chrysene	14.016	228	974962	53.826	ng	97
85) Di-n-octyl phthalate	14.598	149	332	5.180	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.968	276	327037	17.329	ng	96
88) Benzo(b)fluoranthene	15.039	252	1735330	87.714	ng	98
89) Benzo(k)fluoranthene	15.039	252	1735330	92.353	ng	97
90) Benzo(a)pyrene	15.410	252	867940	53.666	ng	97
91) Dibenzo(a,h)anthracene	17.210	278	45537	5.253	ng	95
92) Benzo(g,h,i)perylene	17.421	276	277262	17.587	ng	99

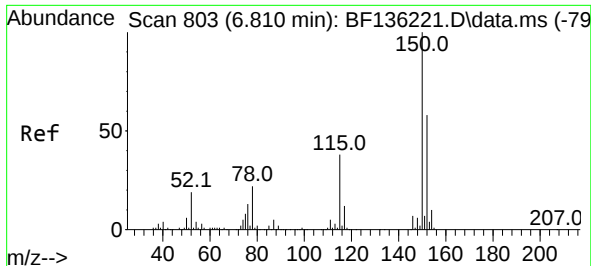
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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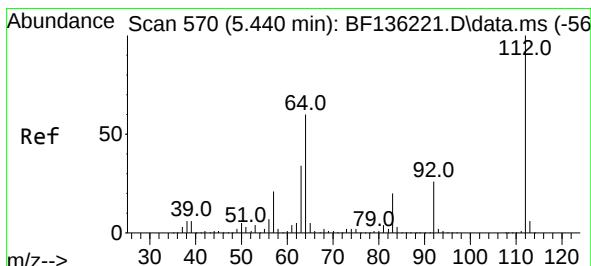
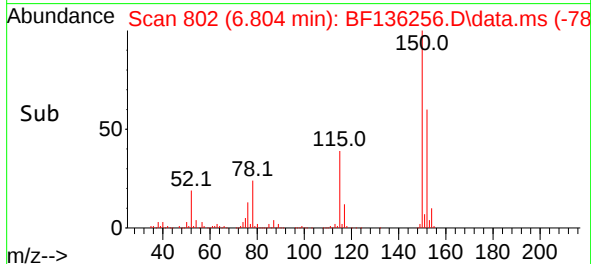
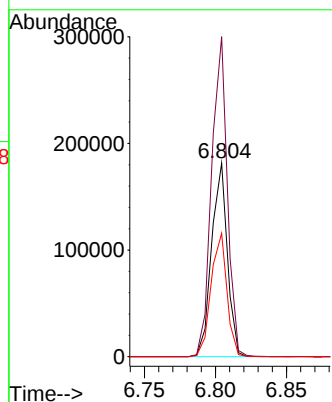
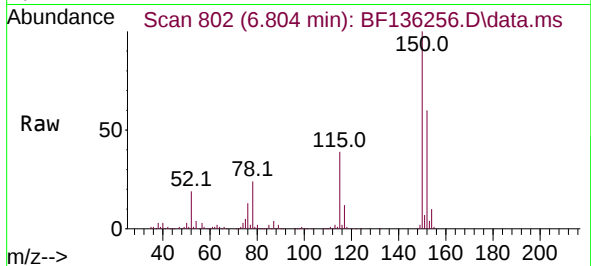




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

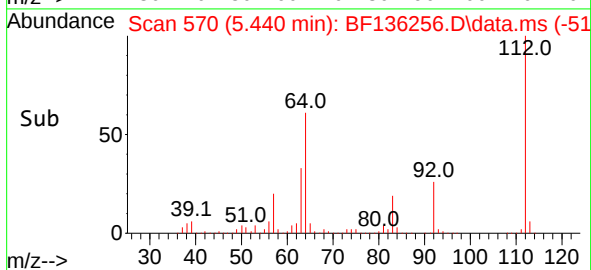
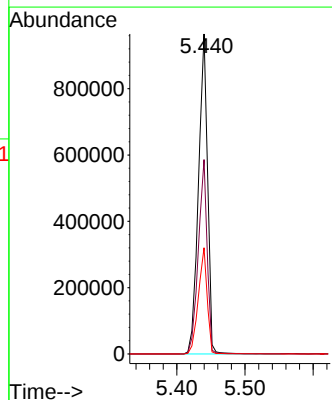
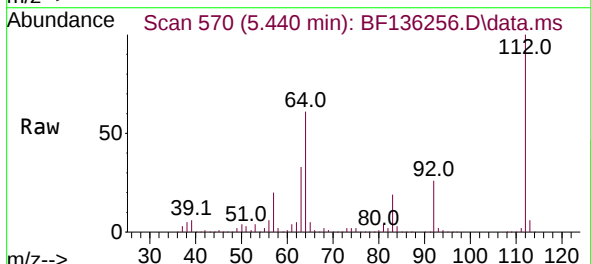
Instrument :
BNA_F
ClientSampleId :
TP-13

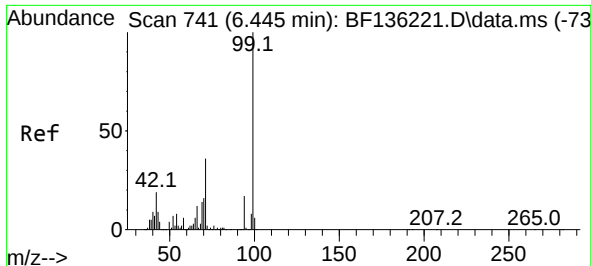
Tgt Ion:152 Resp: 139654
Ion Ratio Lower Upper
152 100
150 165.3 137.8 206.8
115 63.7 52.7 79.1



#5
2-Fluorophenol
Concen: 89.450 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:112 Resp: 897518
Ion Ratio Lower Upper
112 100
64 60.7 48.2 72.4
63 33.2 27.0 40.6

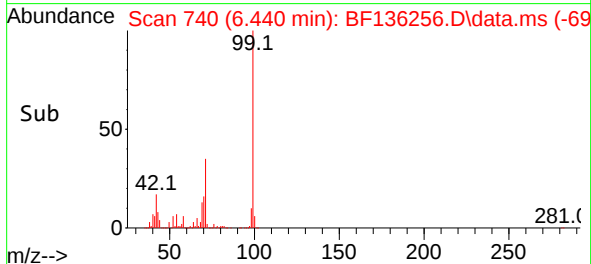
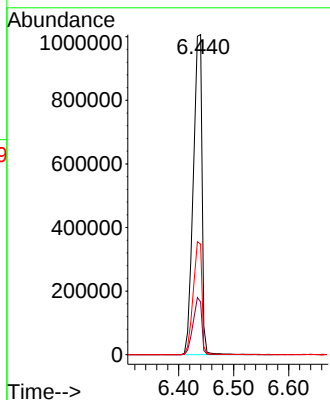
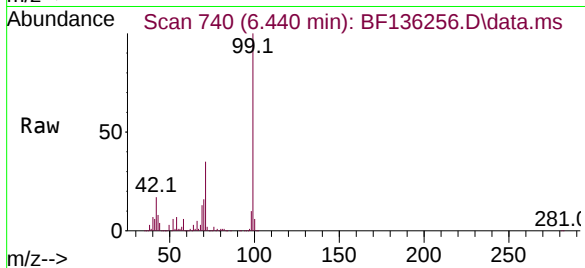




#7
Phenol-d6
Concen: 88.440 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

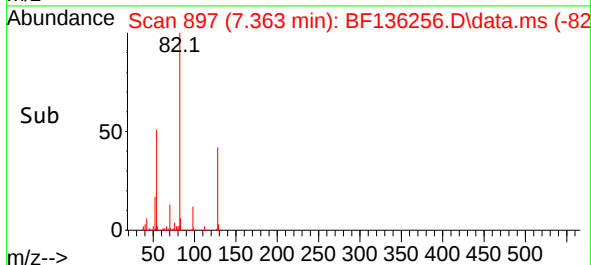
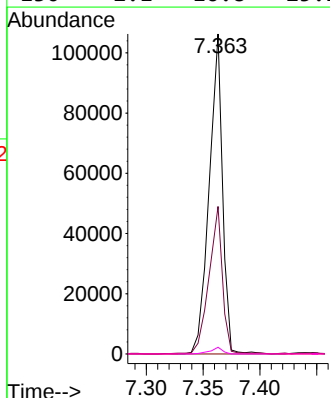
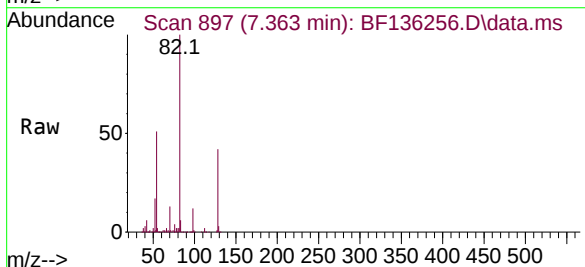
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion: 99 Resp: 1109557
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.559 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.136 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion: 70 Resp: 86735
Ion Ratio Lower Upper
70 100
42 46.1 47.0 70.4#
101 0.0 7.8 11.8#
130 2.1 16.8 25.2#

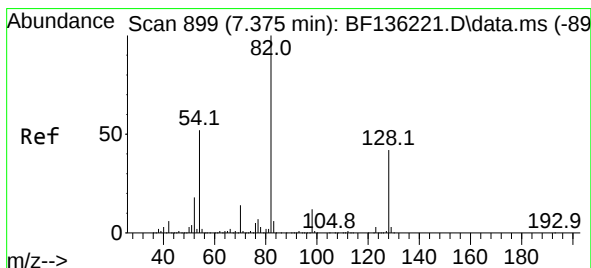
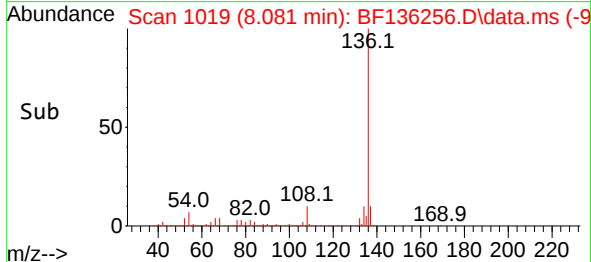
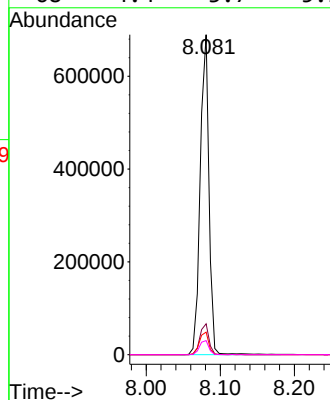
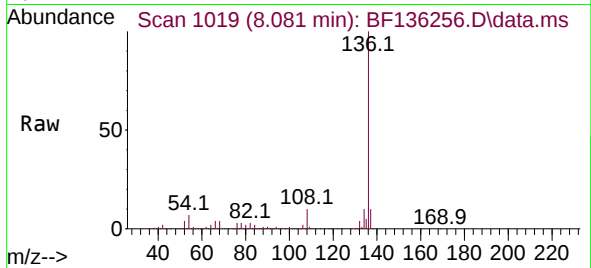




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

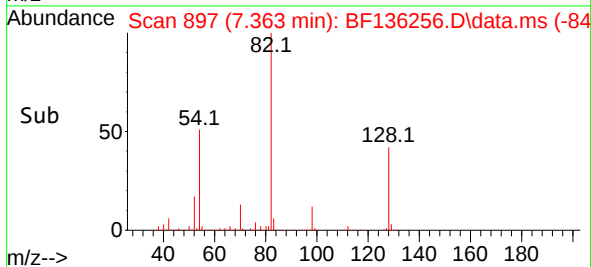
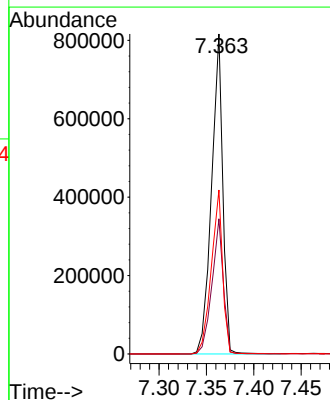
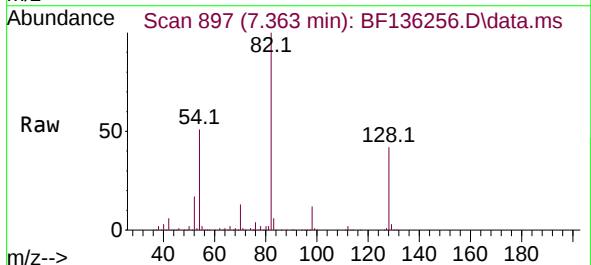
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:136 Resp: 562567
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.2
54 7.0 5.5 8.3
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 63.173 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion: 82 Resp: 672541
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.2
54 51.2 41.7 62.5

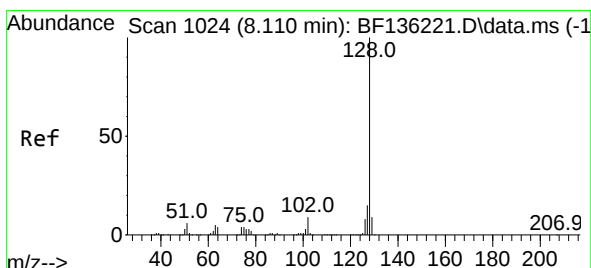
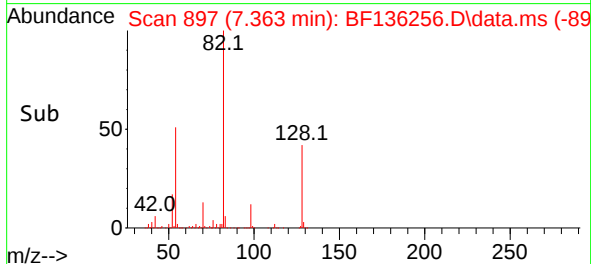
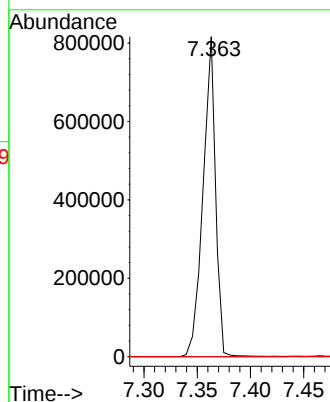
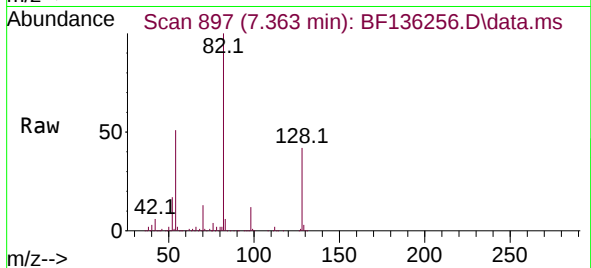




#25
Isophorone
Concen: 34.972 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.264 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

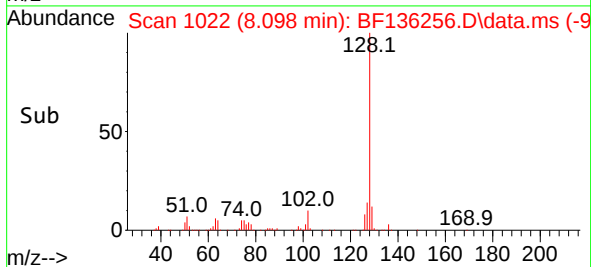
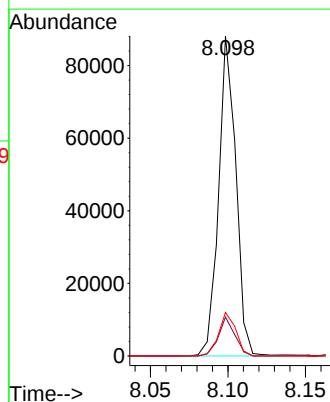
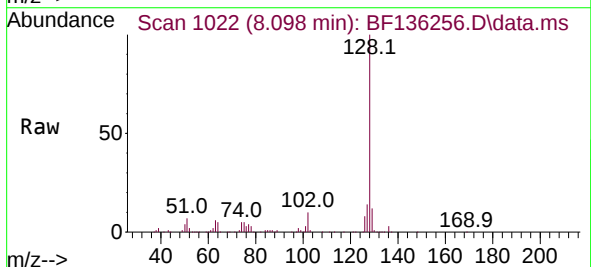
Instrument :
BNA_F
ClientSampleId :
TP-13

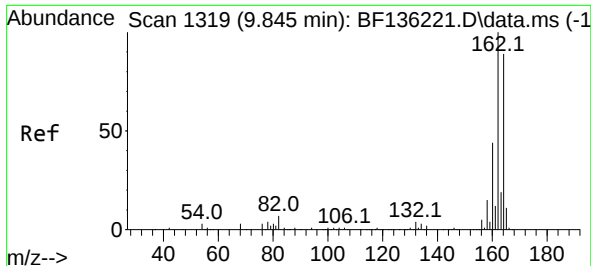
Tgt Ion: 82 Resp: 671337
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#31
Naphthalene
Concen: 2.158 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:128 Resp: 68247
Ion Ratio Lower Upper
128 100
129 12.1 7.3 10.9#
127 13.6 11.8 17.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

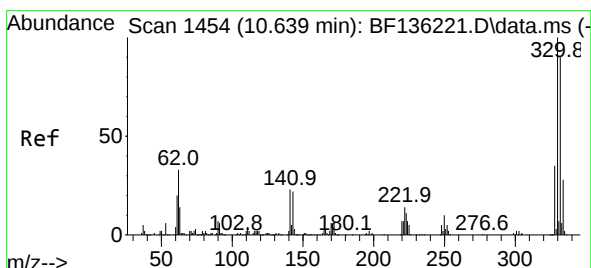
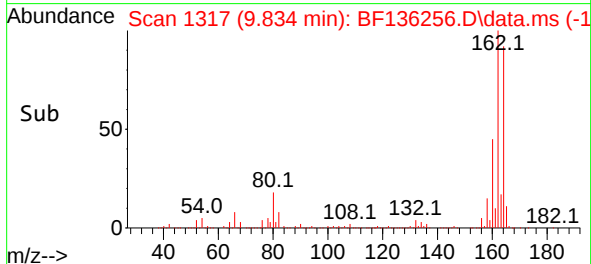
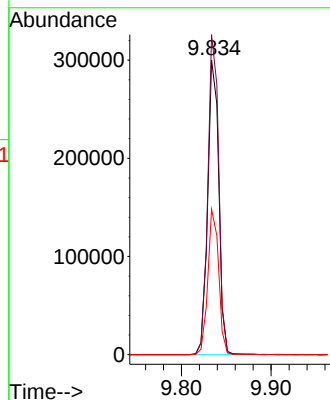
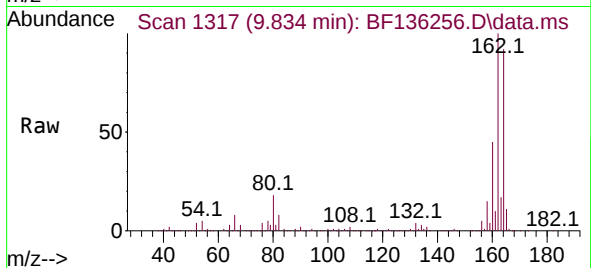
Tgt Ion:164 Resp: 256138

Ion Ratio Lower Upper

164 100

162 108.6 89.5 134.3

160 49.4 39.6 59.4



#42

2,4,6-Tribromophenol

Concen: 72.771 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

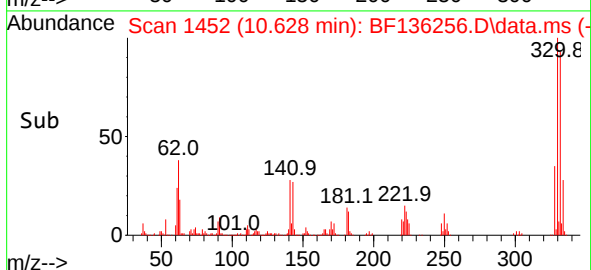
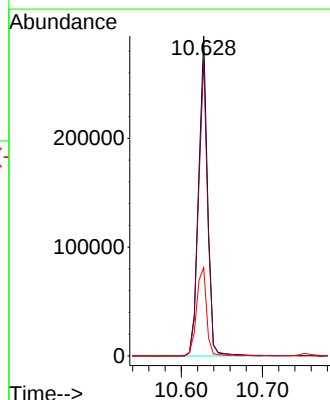
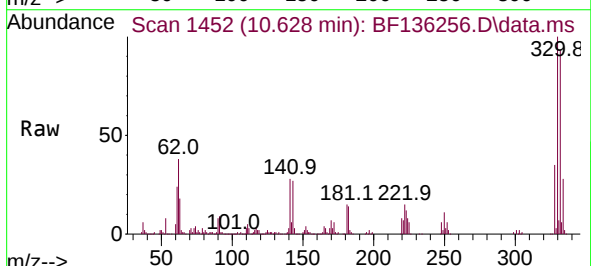
Tgt Ion:330 Resp: 227884

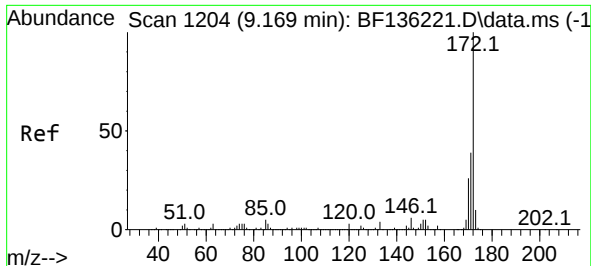
Ion Ratio Lower Upper

330 100

332 93.4 73.0 109.6

141 31.2 24.2 36.2

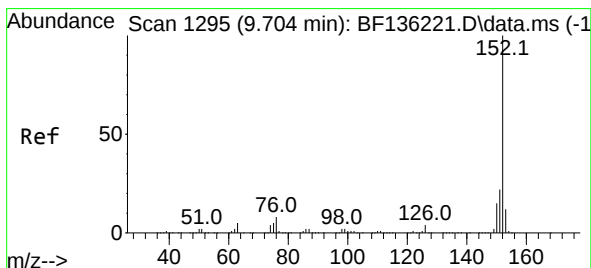
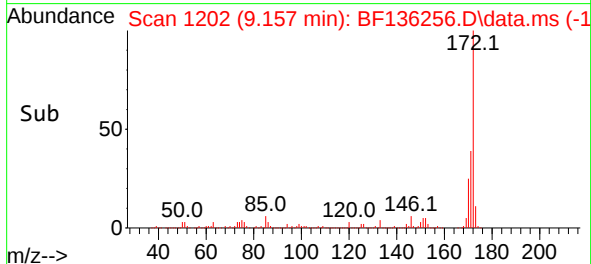
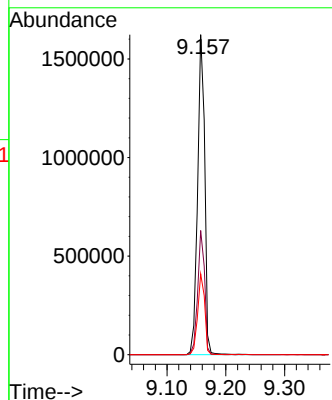
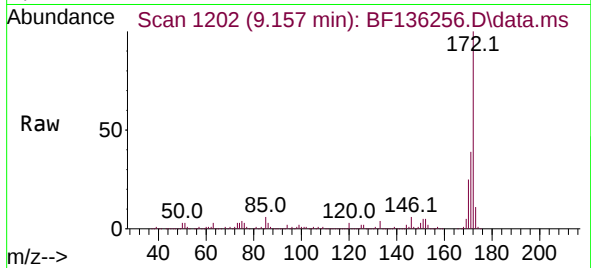




#45
2-Fluorobiphenyl
Concen: 67.641 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

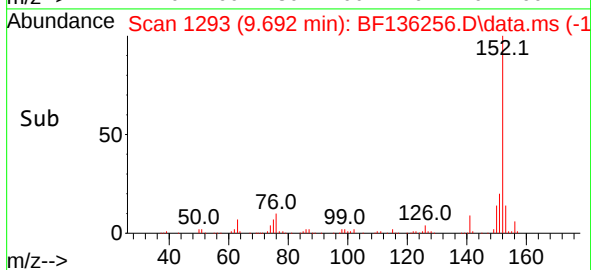
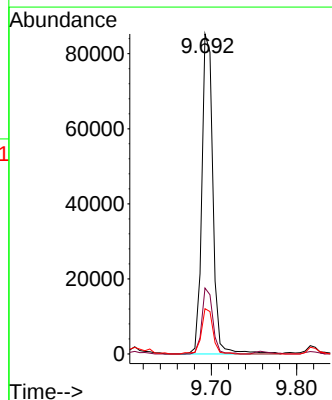
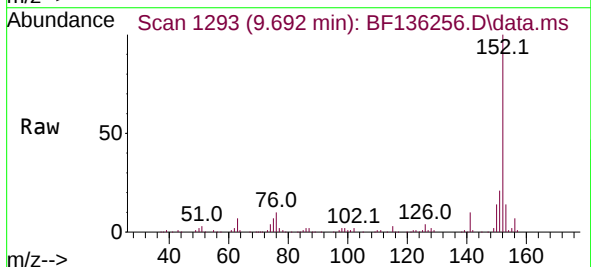
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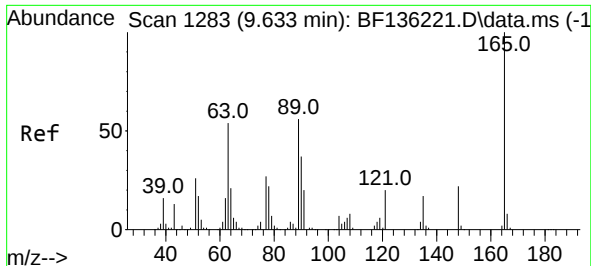
Tgt Ion:172 Resp: 1356402
Ion Ratio Lower Upper
172 100
171 38.8 31.5 47.3
170 25.3 20.8 31.2



#49
Acenaphthylene
Concen: 3.076 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:152 Resp: 77010
Ion Ratio Lower Upper
152 100
151 20.6 17.5 26.3
153 14.2 9.6 14.4





#51

2,6-Dinitrotoluene

Concen: 8.551 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

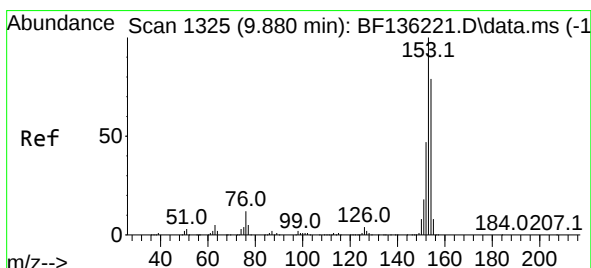
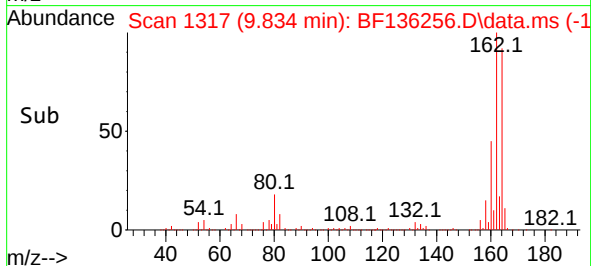
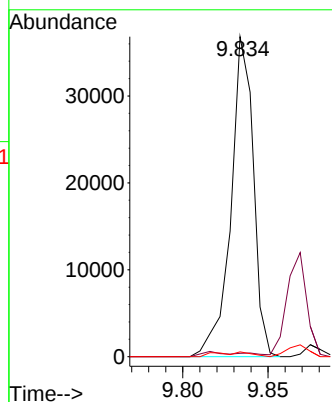
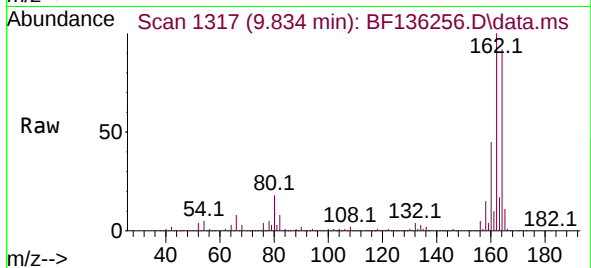
Tgt Ion:165 Resp: 33819

Ion Ratio Lower Upper

165 100

63 1.1 46.2 69.2#

89 1.5 44.9 67.3#



#52

Acenaphthene

Concen: 7.698 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

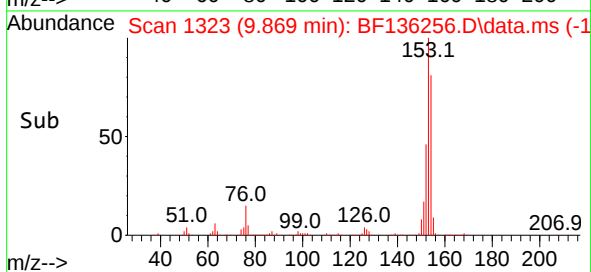
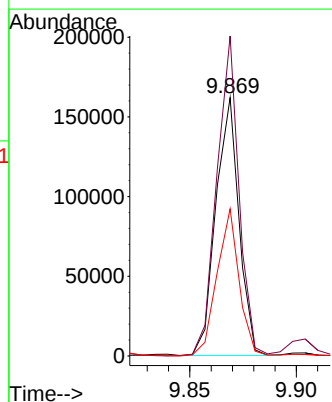
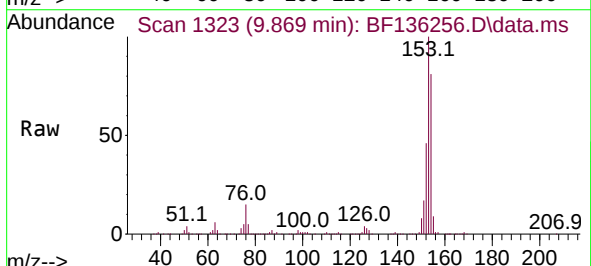
Tgt Ion:154 Resp: 121774

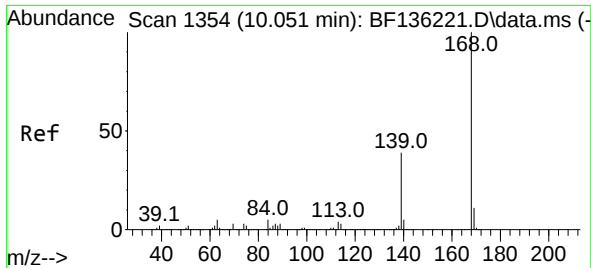
Ion Ratio Lower Upper

154 100

153 123.8 100.8 151.2

152 57.0 47.0 70.6

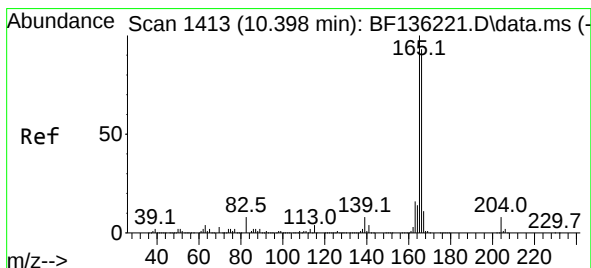
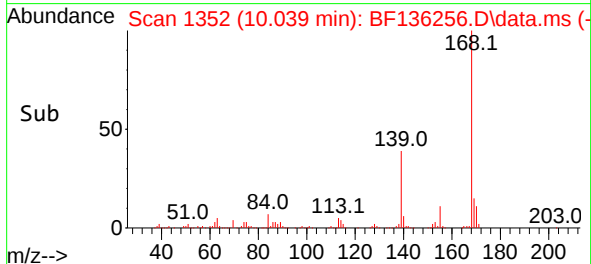
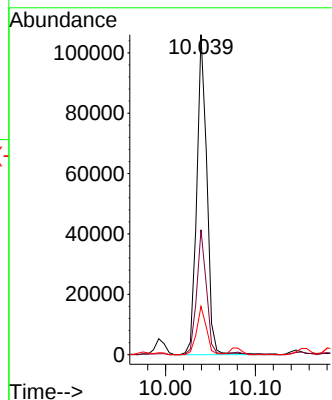
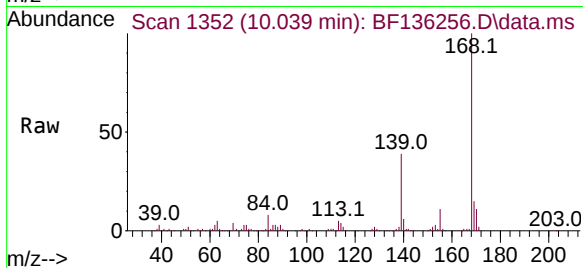




#55
Dibenzenofuran
Concen: 3.530 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

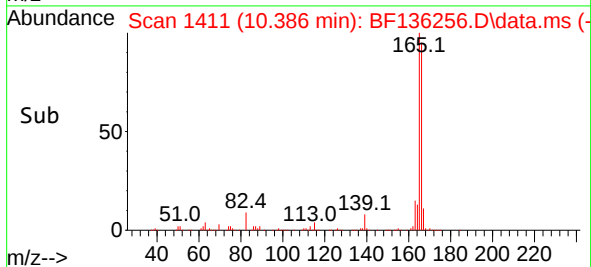
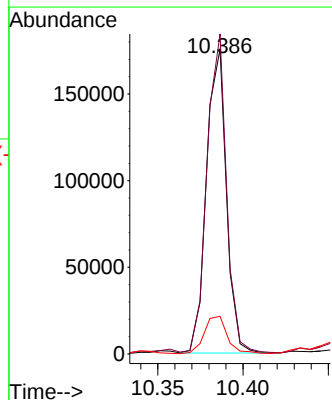
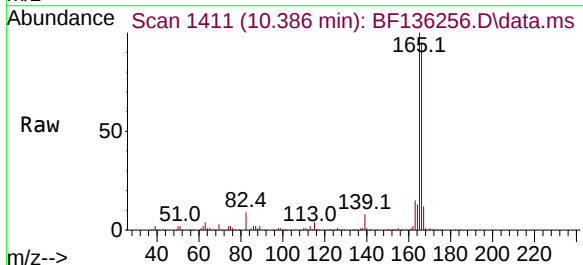
Instrument :
BNA_F
ClientSampleId :
TP-13

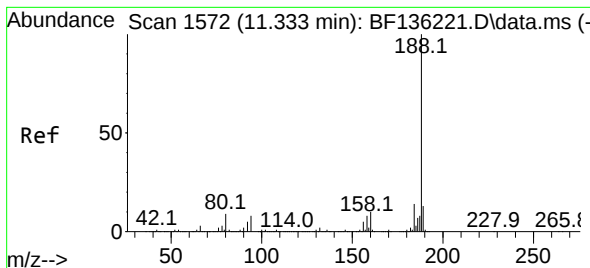
Tgt Ion:168 Resp: 83104
Ion Ratio Lower Upper
168 100
139 39.1 30.9 46.3
169 15.1 9.1 13.7#



#58
Fluorene
Concen: 7.705 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:166 Resp: 142273
Ion Ratio Lower Upper
166 100
165 105.0 86.2 129.4
167 12.3 9.1 13.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

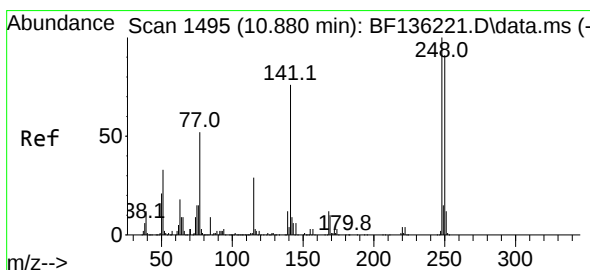
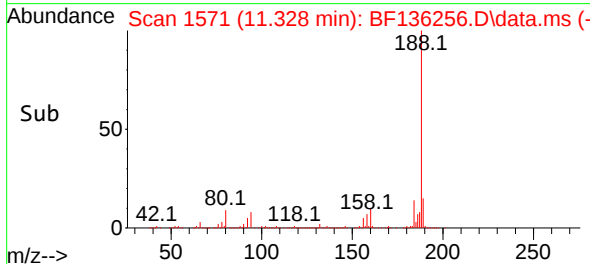
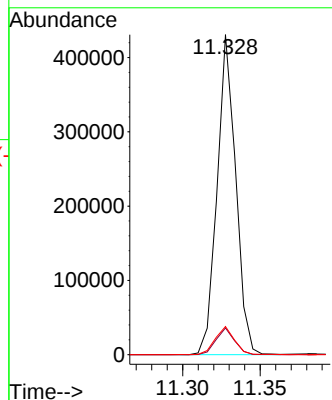
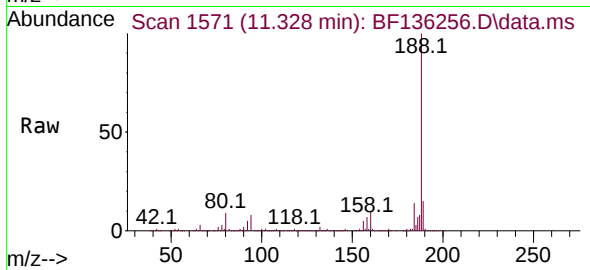
Tgt Ion:188 Resp: 360003

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.8 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.220 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

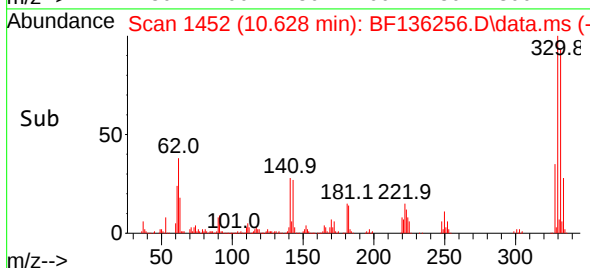
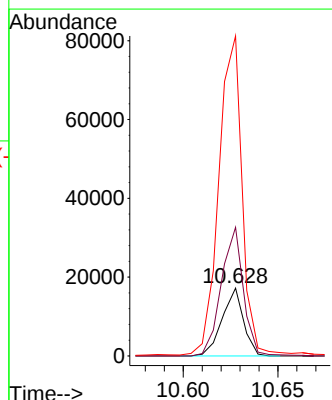
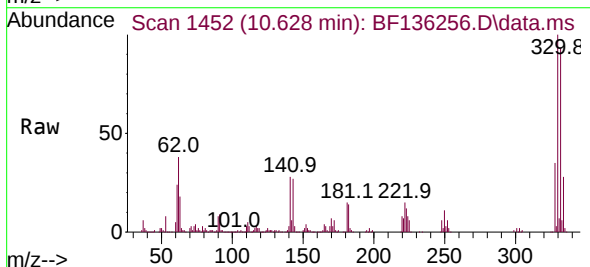
Tgt Ion:248 Resp: 13522

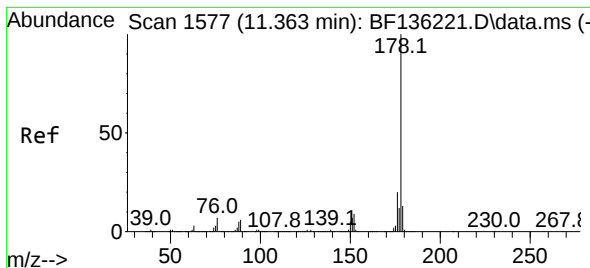
Ion Ratio Lower Upper

248 100

250 189.7 72.5 108.7#

141 471.7 60.8 91.2#





#71

Phenanthrene

Concen: 85.071 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

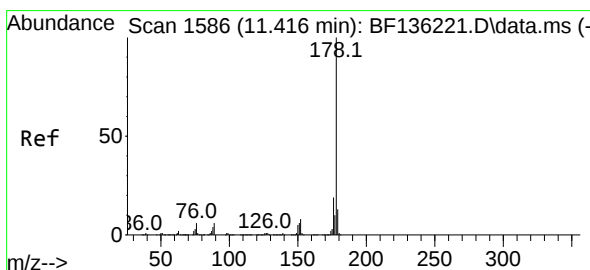
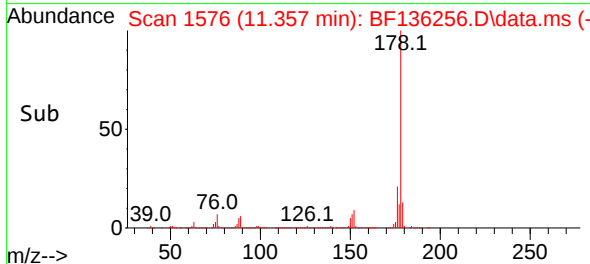
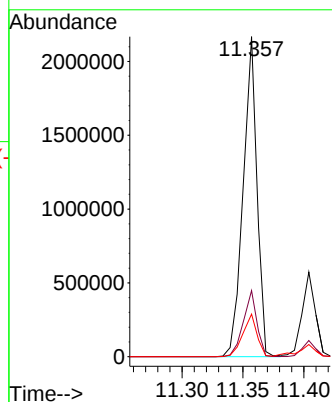
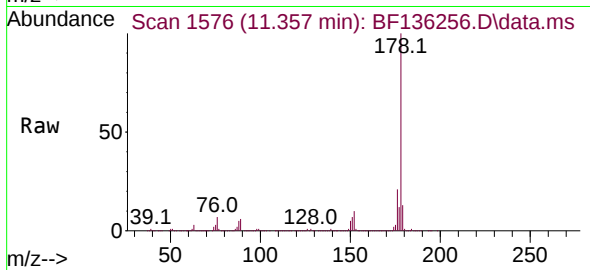
Tgt Ion:178 Resp: 1721305

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.2

179 13.3 10.3 15.5



#72

Anthracene

Concen: 20.680 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

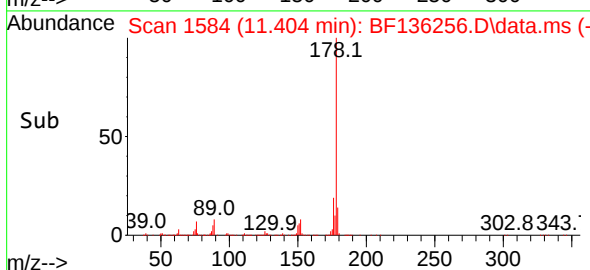
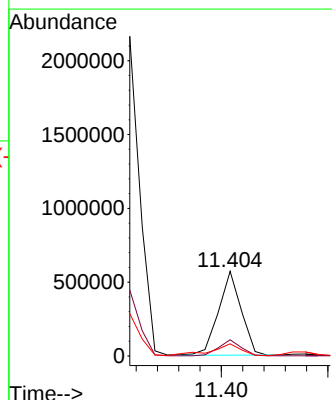
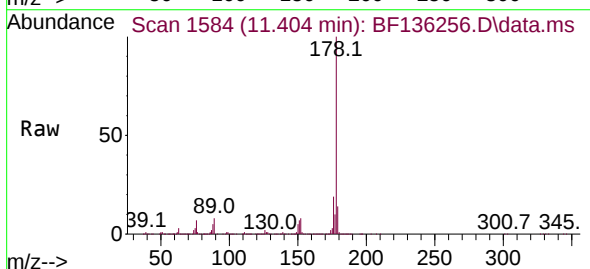
Tgt Ion:178 Resp: 419615

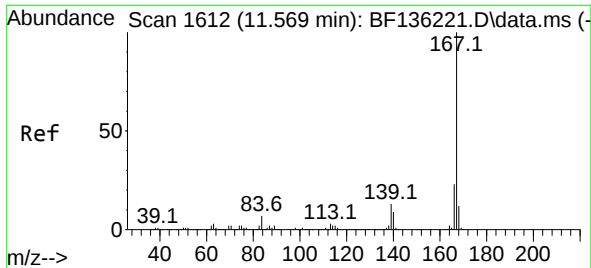
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 14.3 10.5 15.7

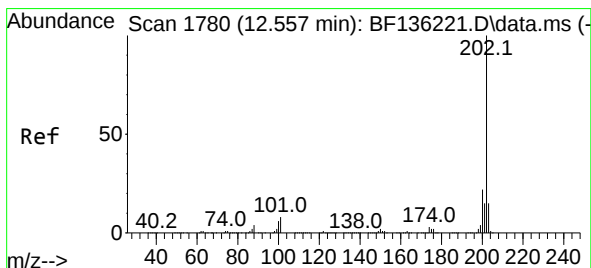
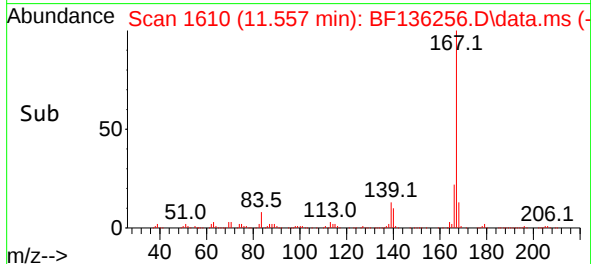
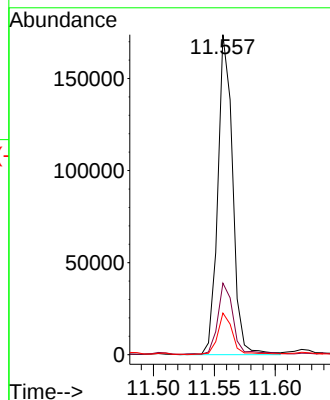
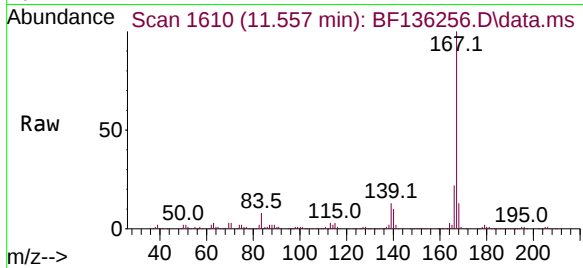




#73
 Carbazole
 Concen: 8.566 ng
 RT: 11.557 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF136256.D
 Acq: 28 Nov 2023 18:57

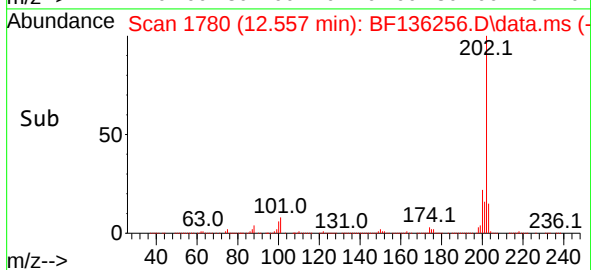
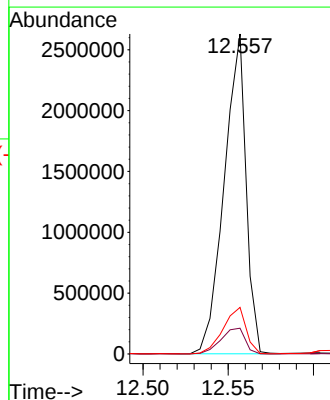
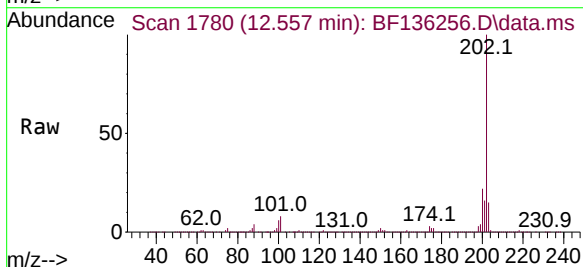
Instrument :
 BNA_F
 ClientSampleId :
 TP-13

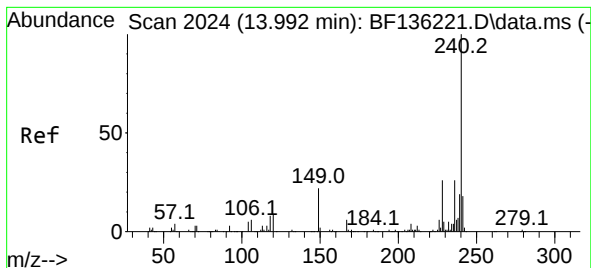
Tgt Ion:167 Resp: 147822
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.4 27.6
 139 13.0 10.5 15.7



#75
 Fluoranthene
 Concen: 114.071 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: BF136256.D
 Acq: 28 Nov 2023 18:57

Tgt Ion:202 Resp: 2343104
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 27.8
 203 14.5 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

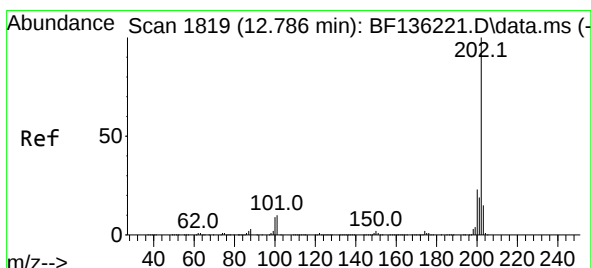
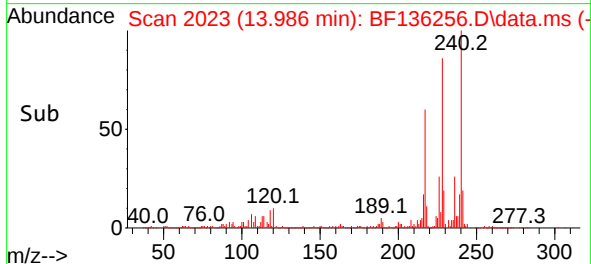
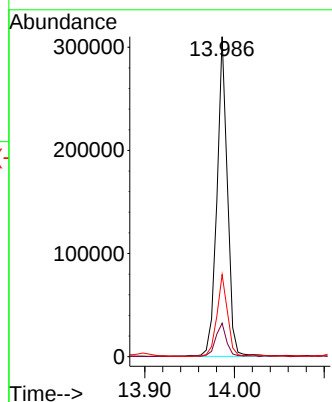
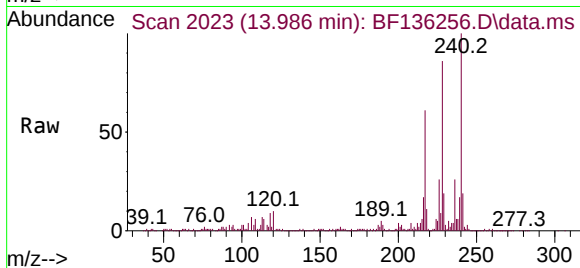
Tgt Ion:240 Resp: 252565

Ion Ratio Lower Upper

240 100

120 10.5 7.4 11.2

236 25.7 21.1 31.7



#78

Pyrene

Concen: 69.067 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

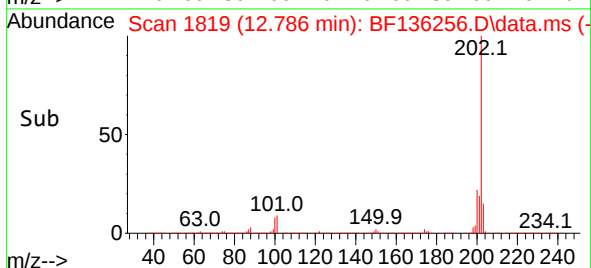
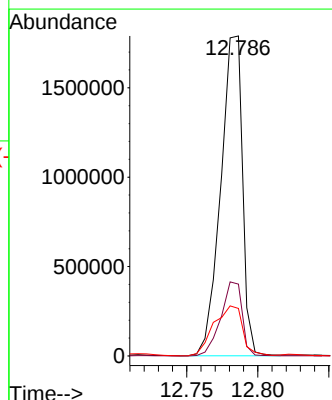
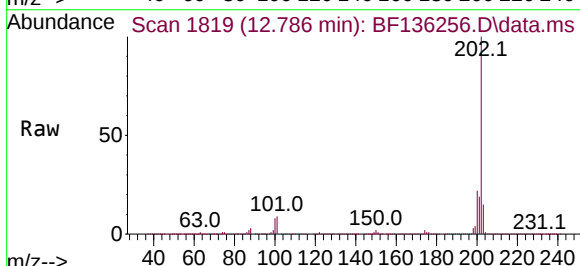
Tgt Ion:202 Resp: 1910411

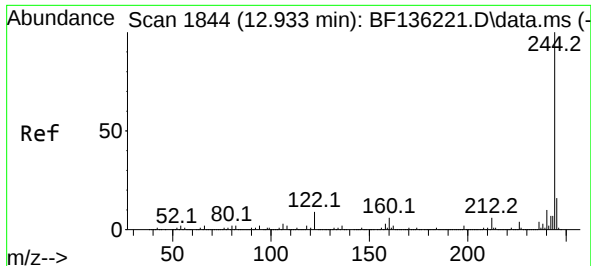
Ion Ratio Lower Upper

202 100

200 22.5 18.4 27.6

203 14.8 11.8 17.6





#79

Terphenyl-d14

Concen: 43.906 ng

RT: 12.928 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

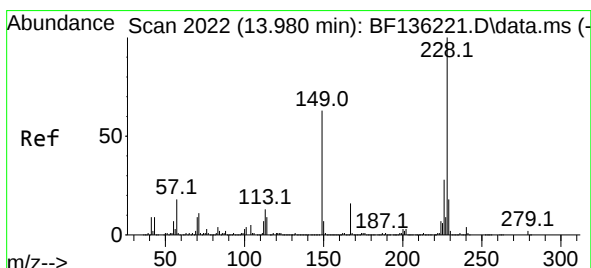
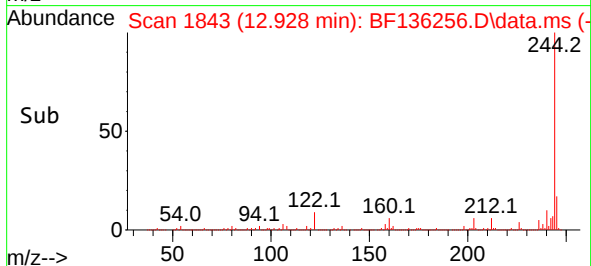
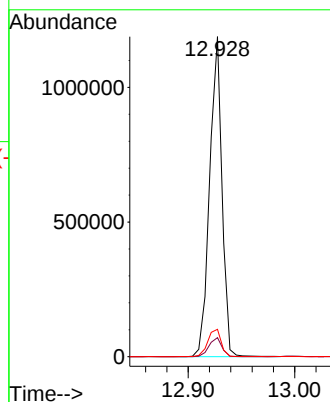
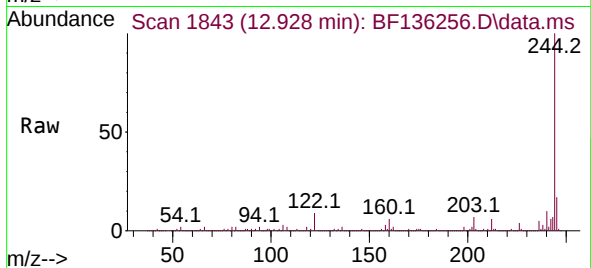
Tgt Ion:244 Resp: 961363

Ion Ratio Lower Upper

244 100

212 6.0 4.6 7.0

122 8.5 7.3 10.9



#81

Benzo(a)anthracene

Concen: 62.737 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

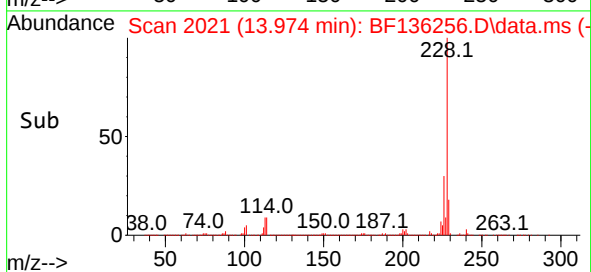
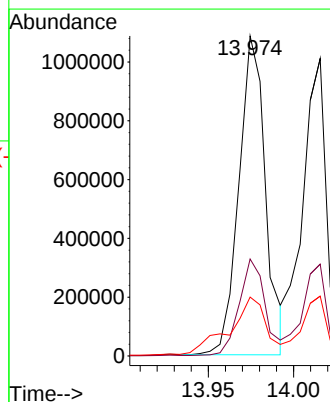
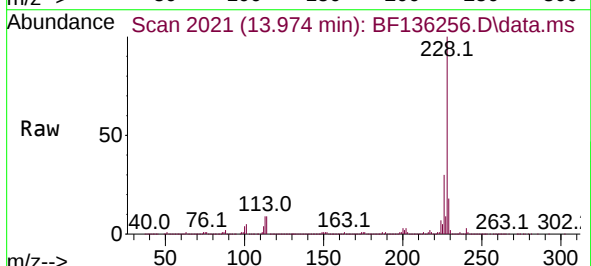
Tgt Ion:228 Resp: 1176932

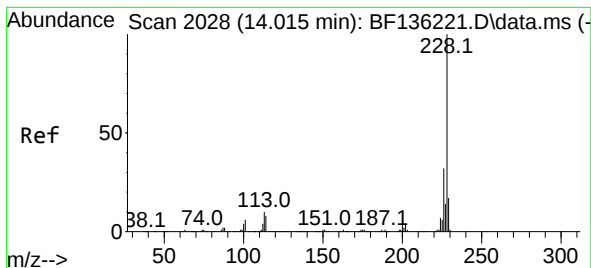
Ion Ratio Lower Upper

228 100

226 30.3 22.6 34.0

229 18.4 14.0 21.0





#83

Chrysene

Concen: 53.826 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

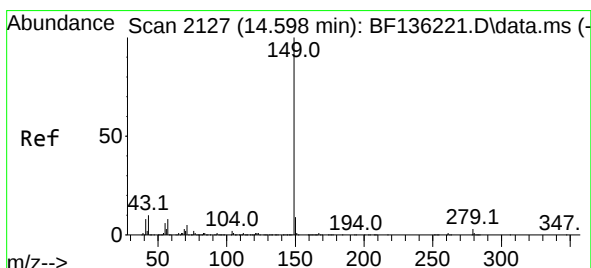
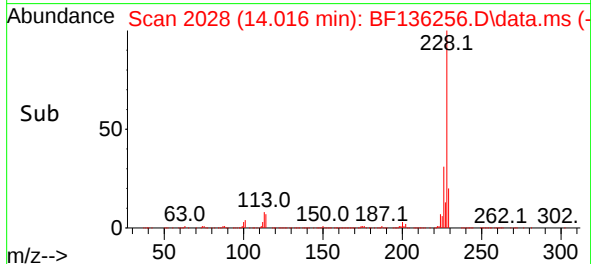
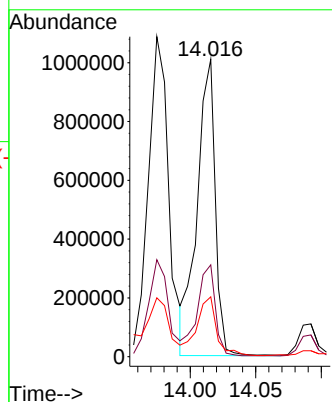
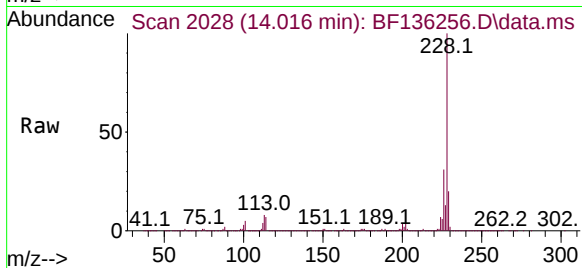
Tgt Ion:228 Resp: 974962

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

229 20.1 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.180 ng

RT: 14.598 min Scan# 2127

Delta R.T. -0.000 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

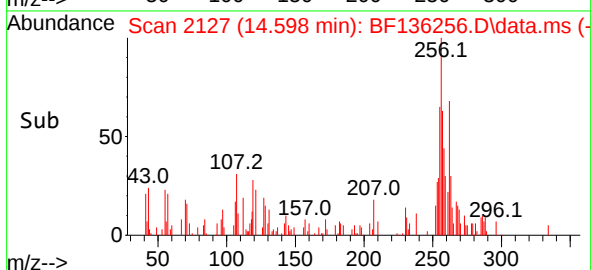
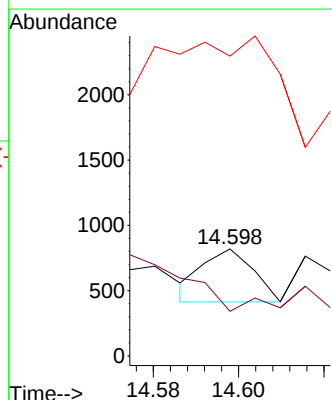
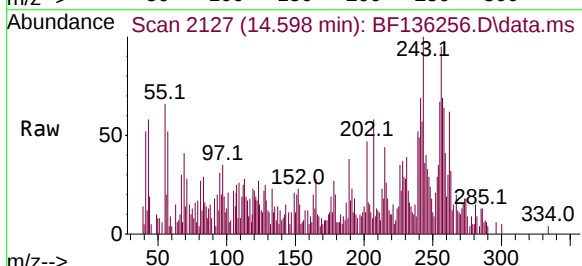
Tgt Ion:149 Resp: 332

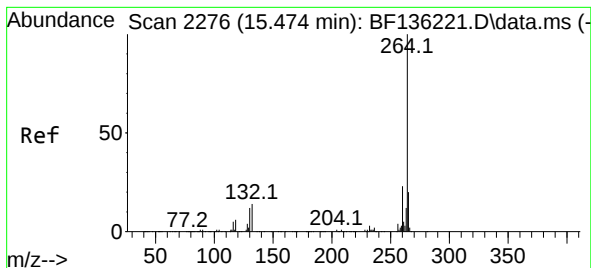
Ion Ratio Lower Upper

149 100

167 0.0 1.0 1.6#

43 0.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

Instrument :

BNA_F

ClientSampleId :

TP-13

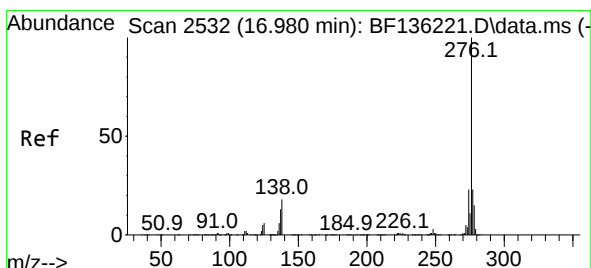
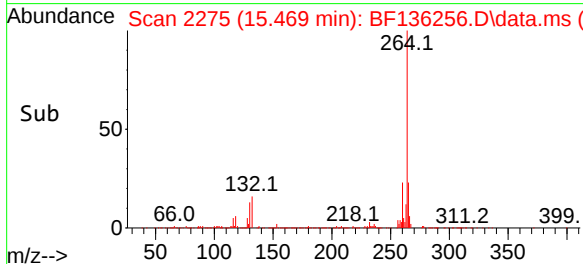
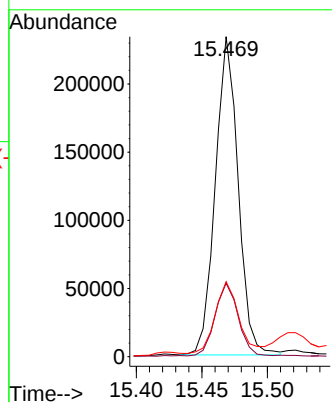
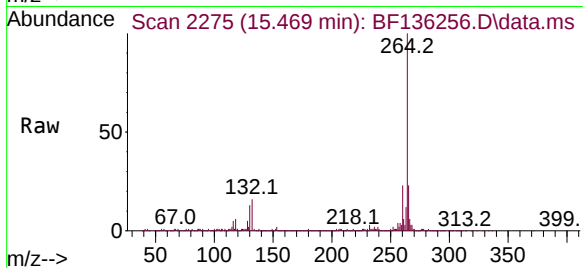
Tgt Ion:264 Resp: 281990

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 23.5 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.329 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF136256.D

Acq: 28 Nov 2023 18:57

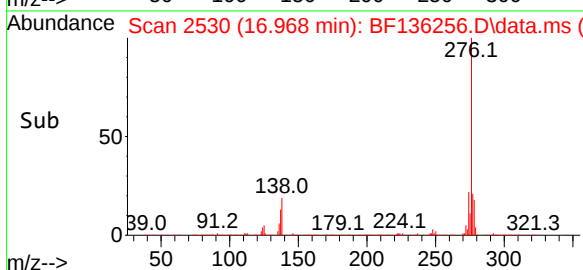
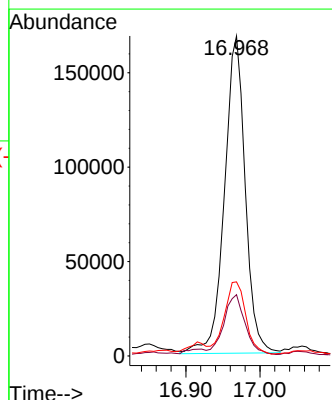
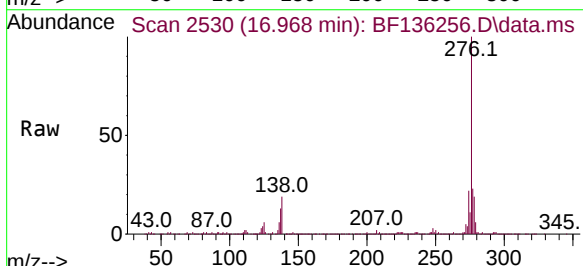
Tgt Ion:276 Resp: 327037

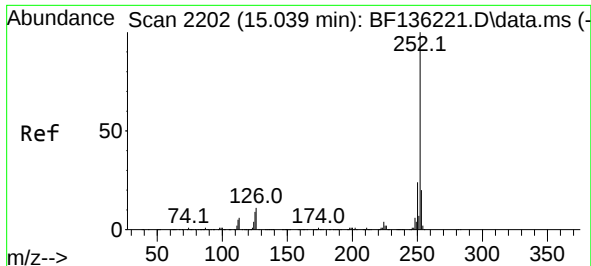
Ion Ratio Lower Upper

276 100

138 19.3 17.7 26.5

277 23.8 19.6 29.4

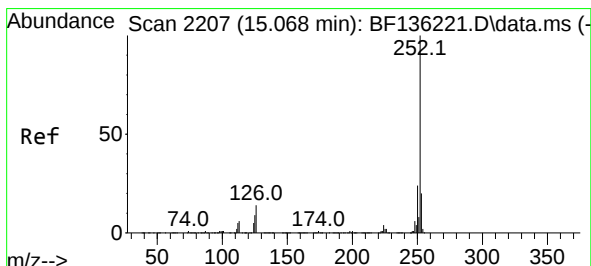
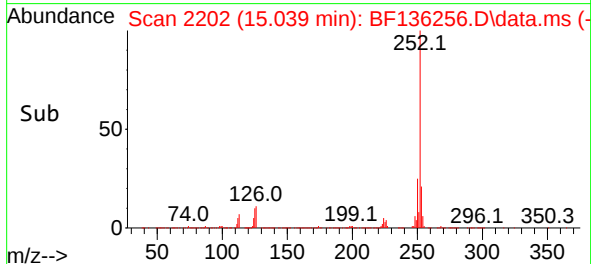
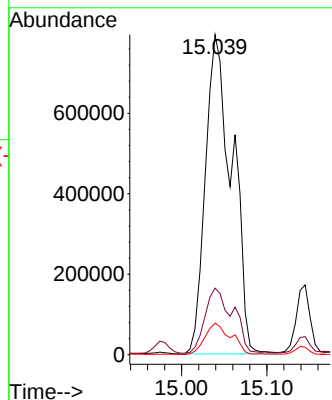
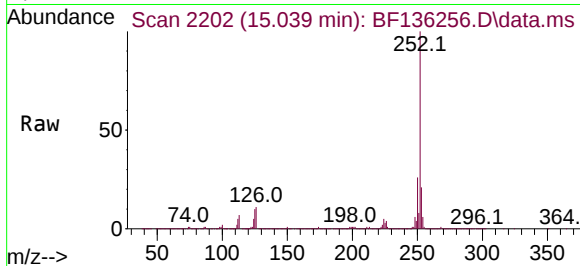




#88
Benzo(b)fluoranthene
Concen: 87.714 ng
RT: 15.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

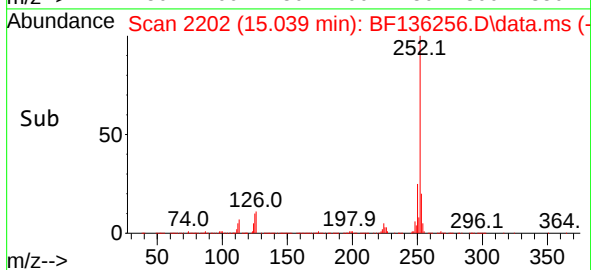
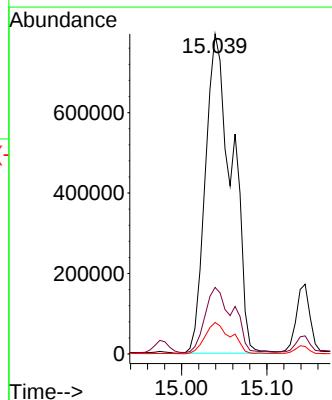
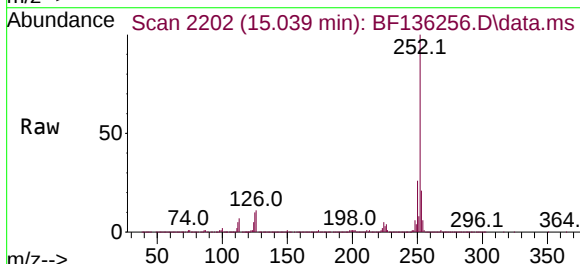
Instrument :
BNA_F
ClientSampleId :
TP-13

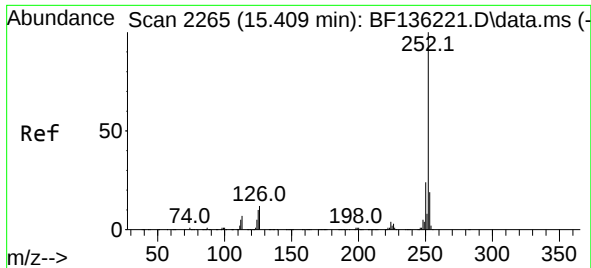
Tgt Ion:252 Resp: 1735330
Ion Ratio Lower Upper
252 100
253 20.8 16.2 24.2
125 9.9 6.9 10.3



#89
Benzo(k)fluoranthene
Concen: 92.353 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.029 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

Tgt Ion:252 Resp: 1735330
Ion Ratio Lower Upper
252 100
253 20.8 15.6 23.4
125 9.9 7.0 10.4

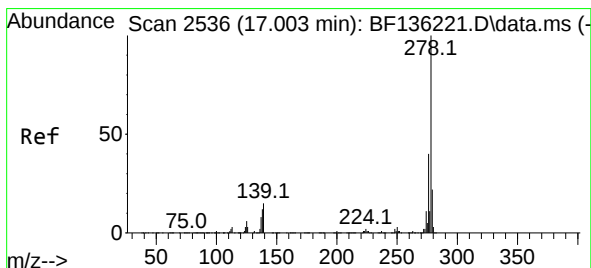
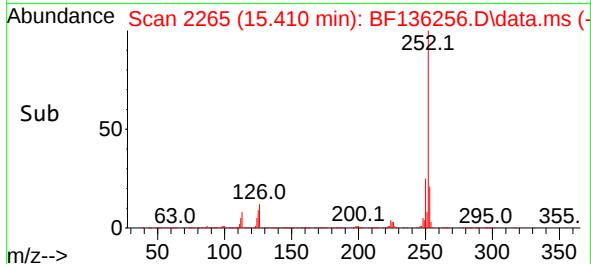
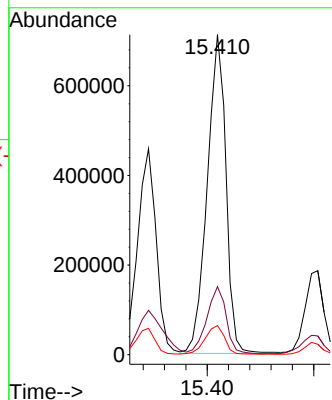
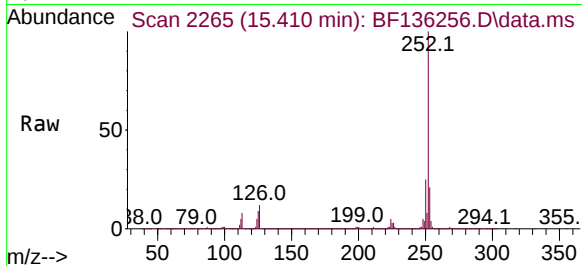




#90
Benzo(a)pyrene
Concen: 53.666 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.001 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

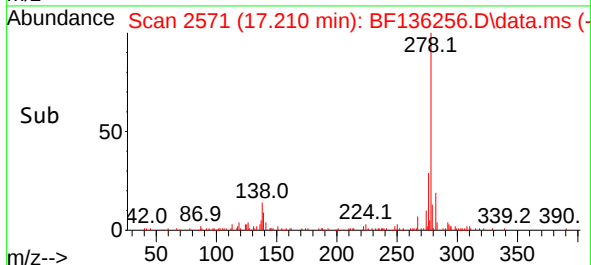
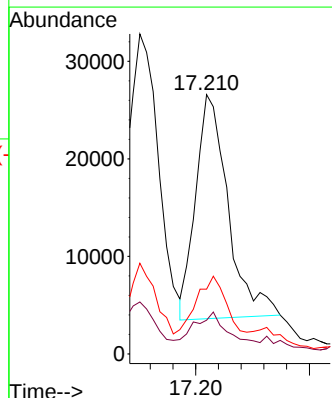
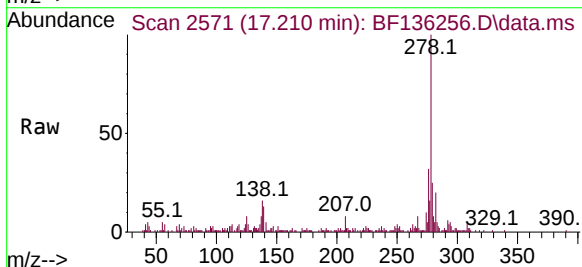
Instrument :
BNA_F
ClientSampleId :
TP-13

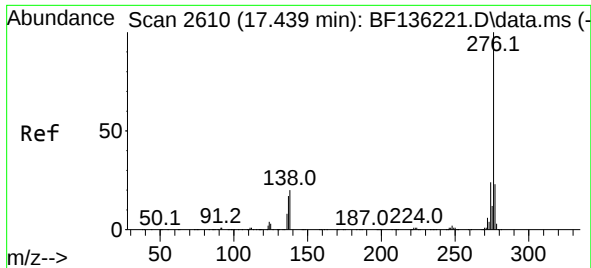
Tgt Ion:252 Resp: 867940
Ion Ratio Lower Upper
252 100
253 21.3 15.5 23.3
125 9.1 7.9 11.9



#91
Dibenzo(a,h)anthracene
Concen: 5.253 ng
RT: 17.210 min Scan# 2571
Delta R.T. 0.207 min
Lab File: BF136256.D
Acq: 28 Nov 2023 18:57

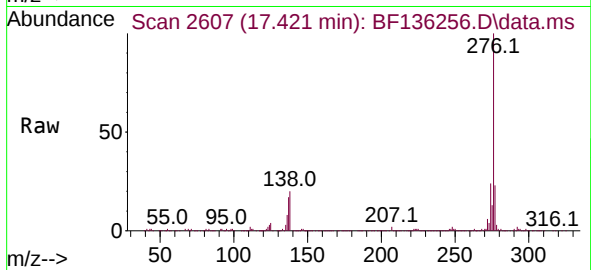
Tgt Ion:278 Resp: 45537
Ion Ratio Lower Upper
278 100
139 13.0 11.7 17.5
279 25.0 17.8 26.8





#92
 Benzo(g,h,i)perylene
 Concen: 17.587 ng
 RT: 17.421 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136256.D
 Acq: 28 Nov 2023 18:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-13



Tgt Ion:276 Resp: 277262
 Ion Ratio Lower Upper
 276 100
 277 22.7 18.6 27.8
 138 20.2 15.8 23.8

