

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136381.D
 Acq On : 04 Dec 2023 14:46
 Operator : CG\JU
 Sample : 05576-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 15:05:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

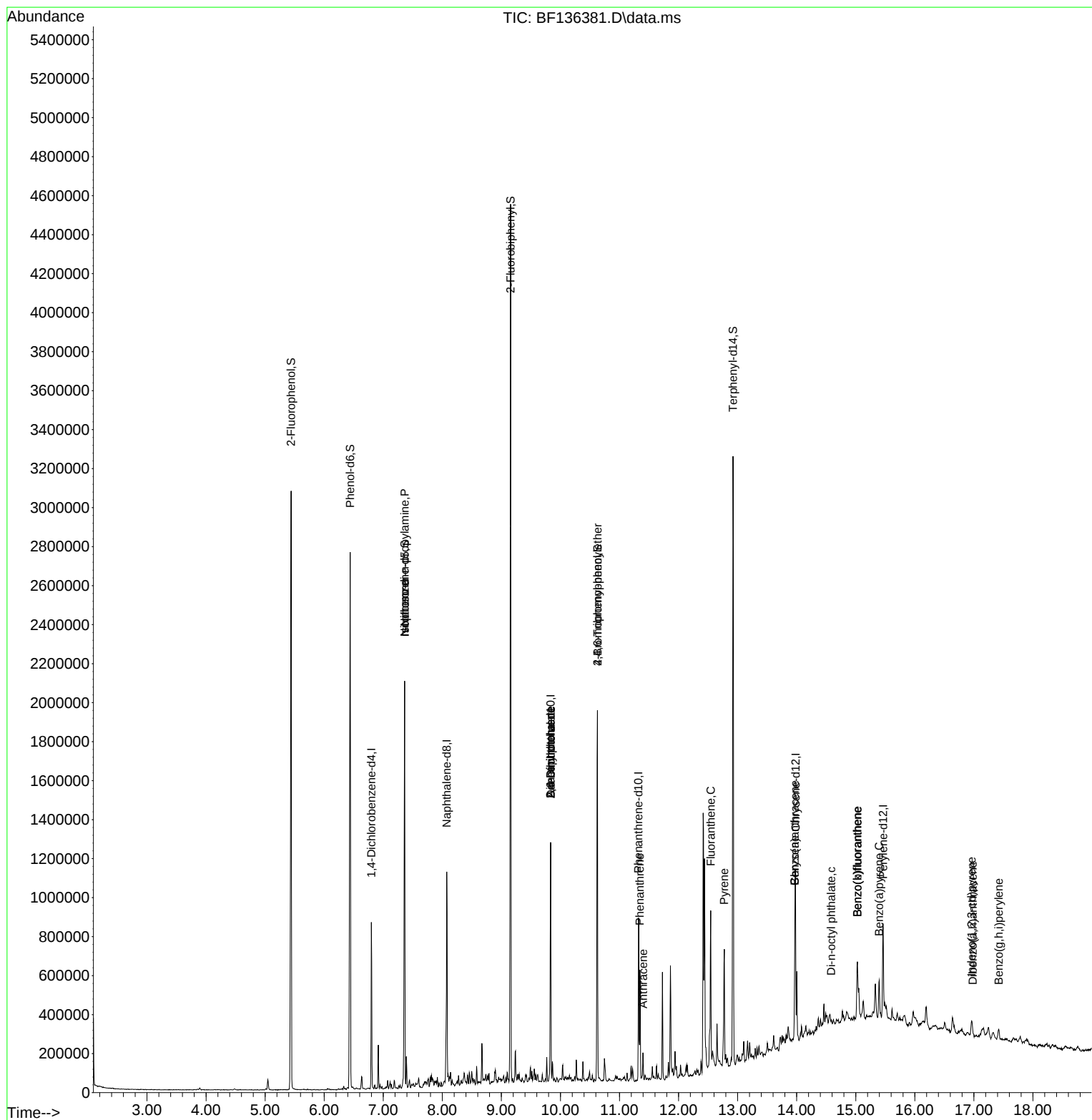
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	116473	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	457687	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	209962	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	324790	20.000	ng	0.00
76) Chrysene-d12	13.980	240	253835	20.000	ng	0.00
86) Perylene-d12	15.463	264	227798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	860079	102.779	ng	0.00
7) Phenol-d6	6.440	99	1059418	101.250	ng	0.00
23) Nitrobenzene-d5	7.363	82	639533	73.839	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	241685	94.152	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1280037	77.871	ng	0.00
79) Terphenyl-d14	12.922	244	1169980	53.167	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	86072	13.754	ng	# 73
25) Isophorone	7.363	82	636759	40.772	ng	# 68
50) Dimethylphthalate	9.833	163	44333	2.794	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	28154	8.684	ng	# 25
57) 2,4-Dinitrotoluene	9.833	165	28154	6.501	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	14335	3.783	ng	# 1
71) Phenanthrene	11.345	178	209793	11.493	ng	96
72) Anthracene	11.398	178	45247	2.472	ng	98
75) Fluoranthene	12.545	202	297007	16.027	ng	93
78) Pyrene	12.774	202	251033	9.030	ng	# 94
81) Benzo(a)anthracene	13.969	228	135217	7.172	ng	98
83) Chrysene	13.969	228	135217	7.428	ng	95
85) Di-n-octyl phthalate	14.586	149	1896	5.263	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.962	276	55478	5.755	ng	96
88) Benzo(b)fluoranthene	15.027	252	215538	13.486	ng	# 93
89) Benzo(k)fluoranthene	15.027	252	215538	14.200	ng	# 92
90) Benzo(a)pyrene	15.398	252	100902	7.723	ng	# 90
91) Dibenzo(a,h)anthracene	16.980	278	15146	3.759	ng	# 73
92) Benzo(g,h,i)perylene	17.421	276	51406	5.501	ng	100

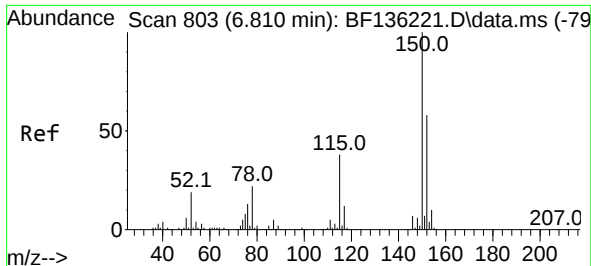
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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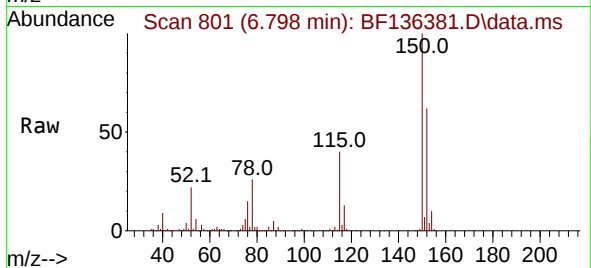
Quant Time: Dec 04 15:05:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:30:53 2023
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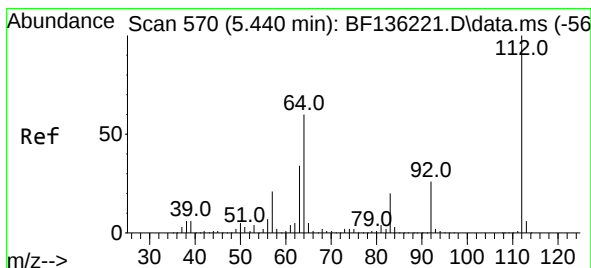
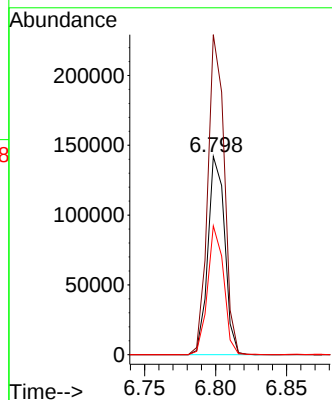
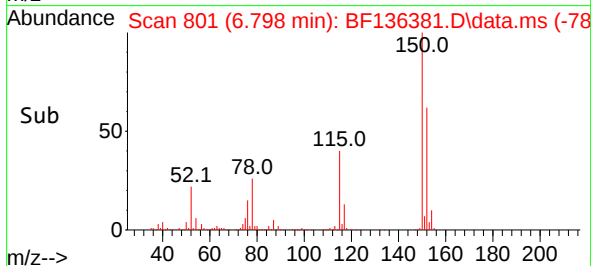


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :
BNA_F
ClientSampleId :

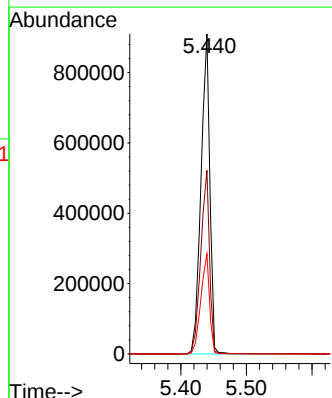
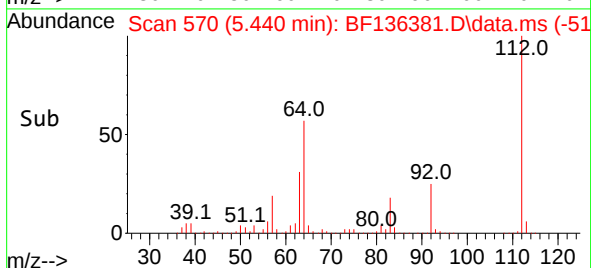
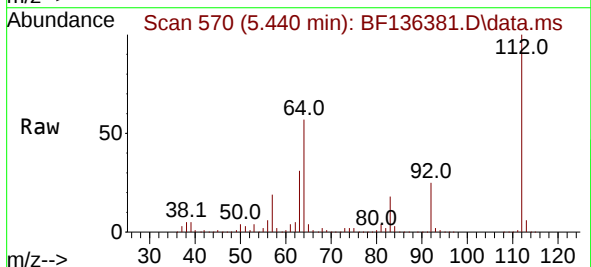


Tgt Ion:152 Resp: 116473
Ion Ratio Lower Upper
152 100
150 161.4 137.8 206.8
115 65.0 52.7 79.1



#5
2-Fluorophenol
Concen: 102.779 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Tgt Ion:112 Resp: 860079
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.4
63 31.3 27.0 40.6

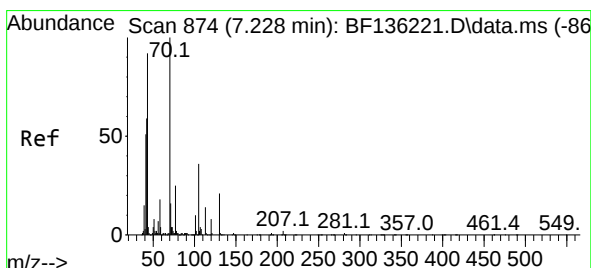
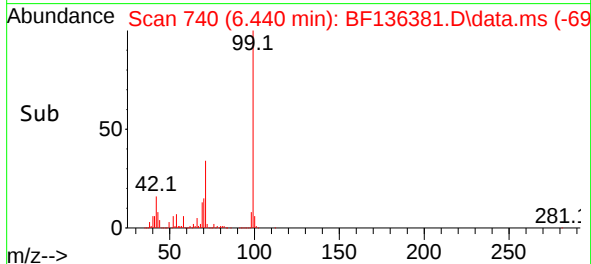
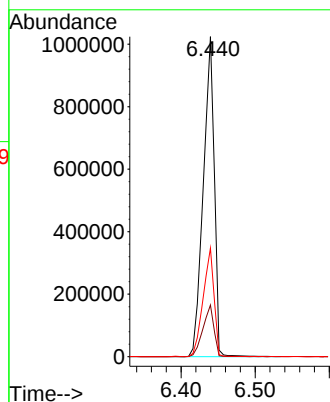
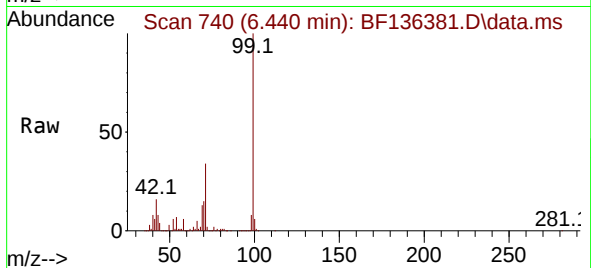




#7
Phenol-d6
Concen: 101.250 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

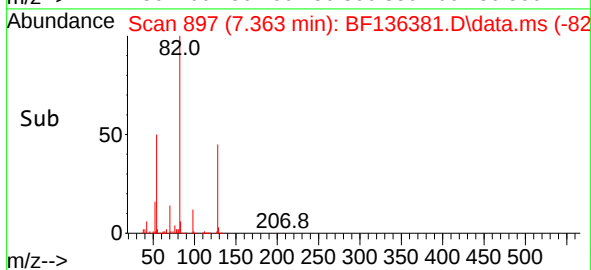
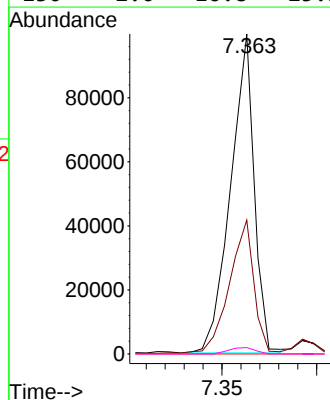
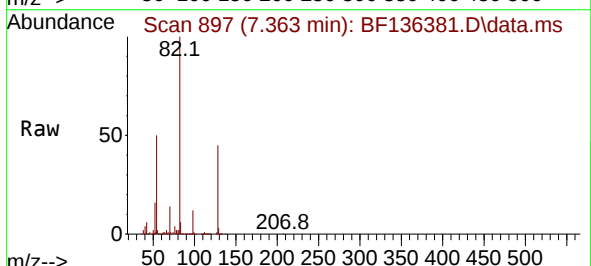
Instrument :
BNA_F
ClientSampleId :

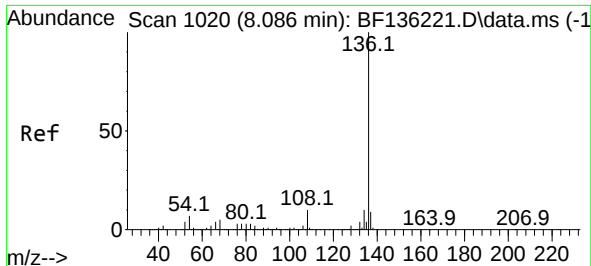
Tgt Ion: 99 Resp: 1059418
Ion Ratio Lower Upper
99 100
42 16.2 15.0 22.6
71 33.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.754 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

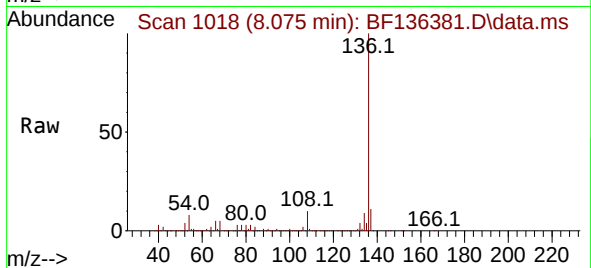
Tgt Ion: 70 Resp: 86072
Ion Ratio Lower Upper
70 100
42 41.8 47.0 70.4#
101 0.0 7.8 11.8#
130 2.0 16.8 25.2#



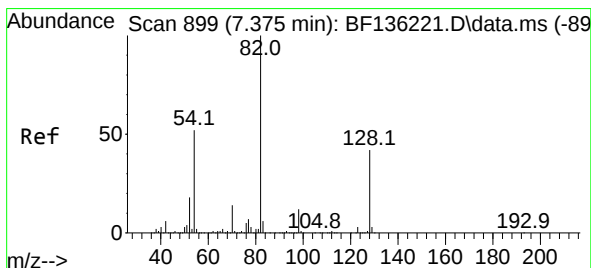
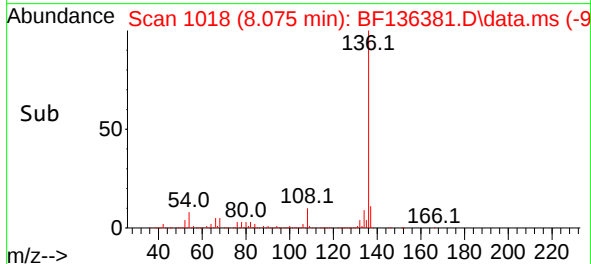
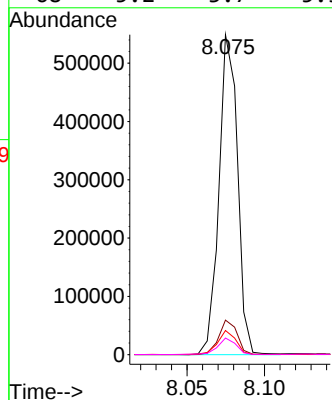


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :
BNA_F
ClientSampleId :

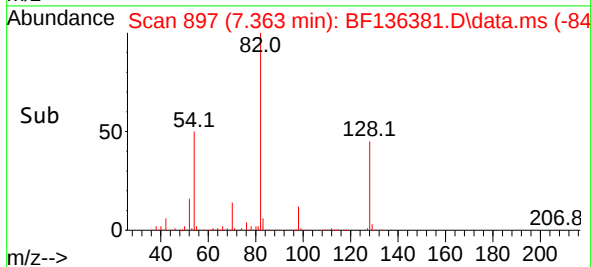
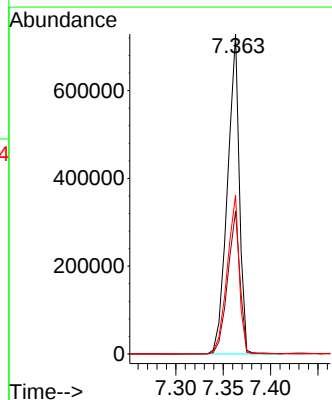
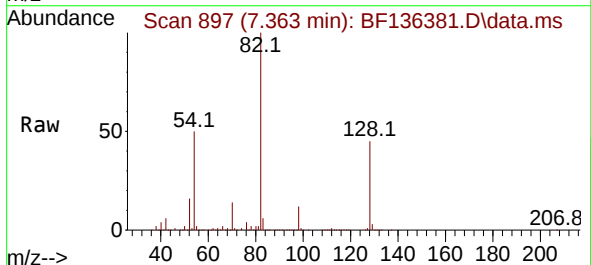


Tgt Ion:136 Resp: 457687
Ion Ratio Lower Upper
136 100
137 10.8 7.4 11.2
54 7.6 5.5 8.3
68 5.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 73.839 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

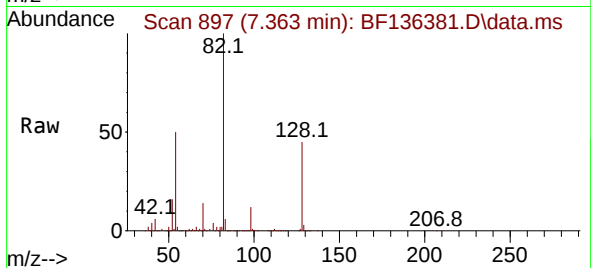
Tgt Ion: 82 Resp: 639533
Ion Ratio Lower Upper
82 100
128 44.7 33.4 50.2
54 49.6 41.7 62.5



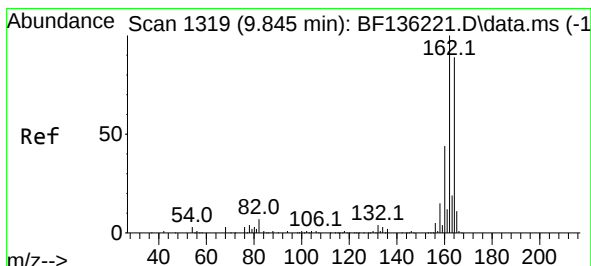
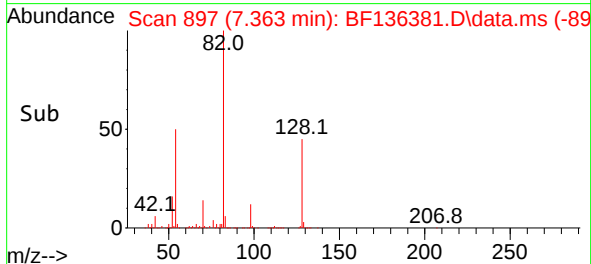
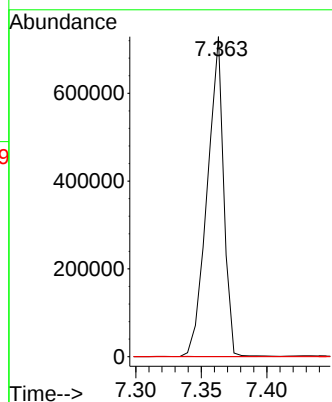


#25
Isophorone
Concen: 40.772 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.264 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :
BNA_F
ClientSampleId :

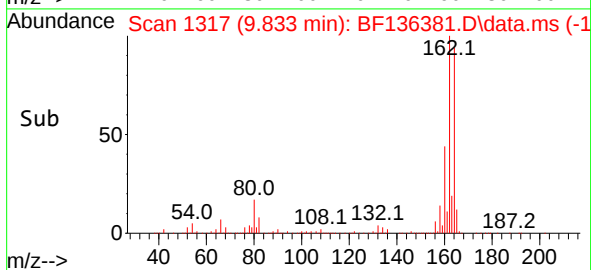
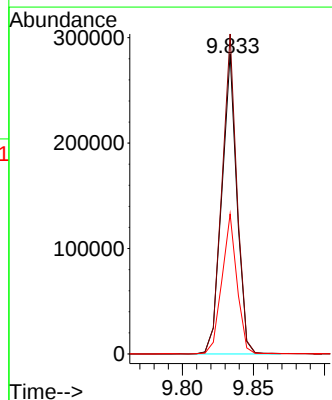
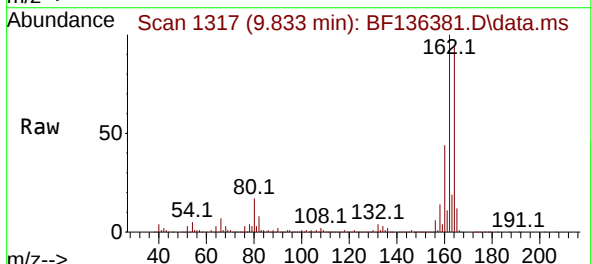


Tgt Ion: 82 Resp: 636759
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

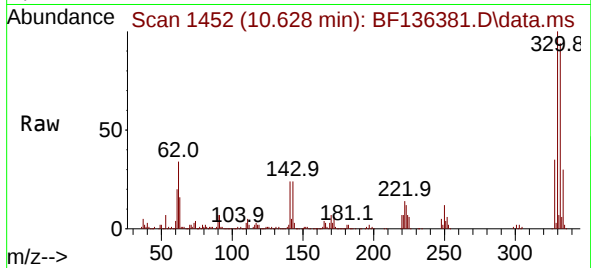
Tgt Ion: 164 Resp: 209962
Ion Ratio Lower Upper
164 100
162 106.6 89.5 134.3
160 46.6 39.6 59.4



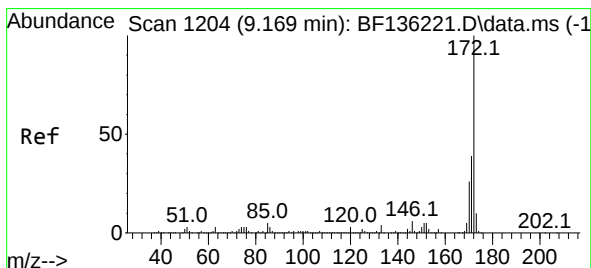
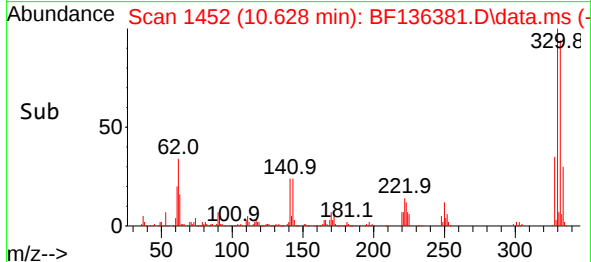
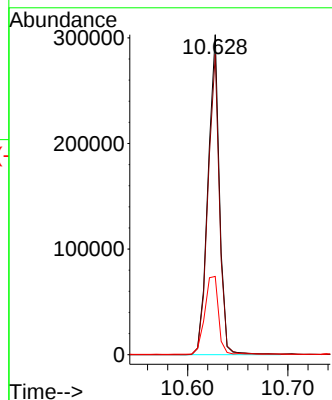


#42
2,4,6-Tribromophenol
Concen: 94.152 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :
BNA_F
ClientSampleId :

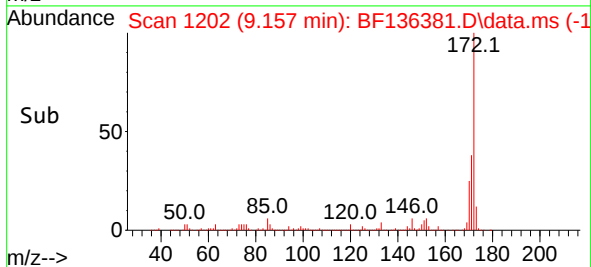
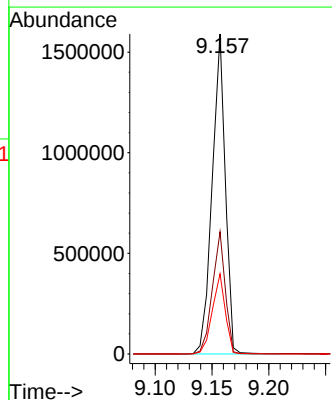
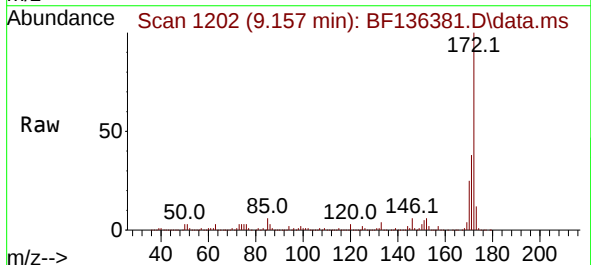


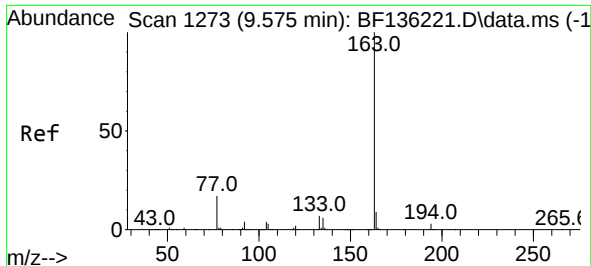
Tgt Ion: 330 Resp: 241685
Ion Ratio Lower Upper
330 100
332 94.8 73.0 109.6
141 29.3 24.2 36.2



#45
2-Fluorobiphenyl
Concen: 77.871 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Tgt Ion: 172 Resp: 1280037
Ion Ratio Lower Upper
172 100
171 38.2 31.5 47.3
170 25.0 20.8 31.2

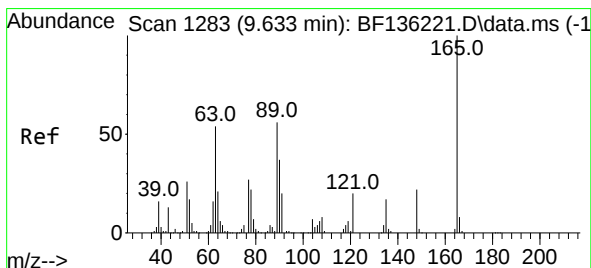
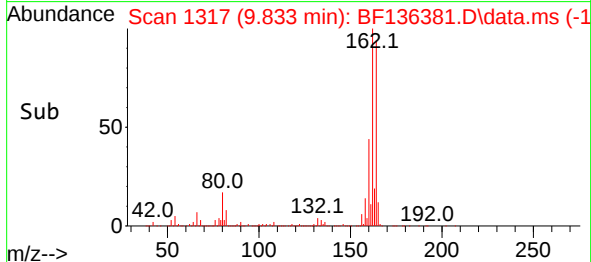
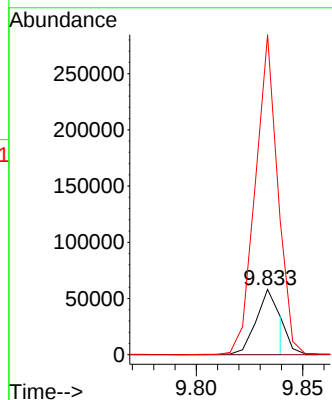
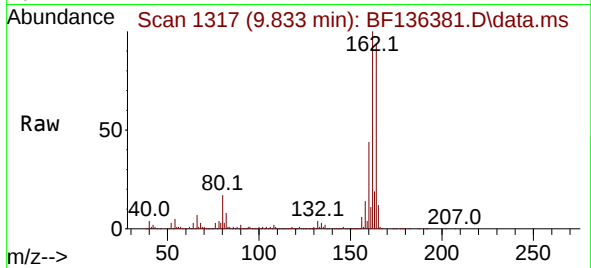




#50
Dimethylphthalate
Concen: 2.794 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

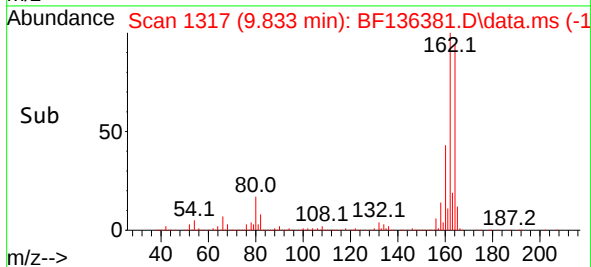
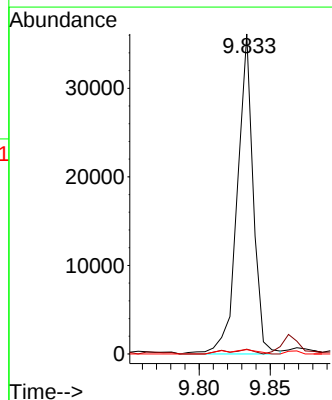
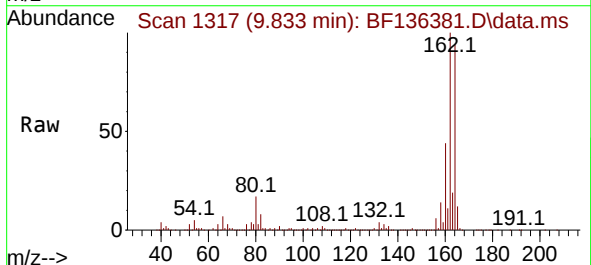
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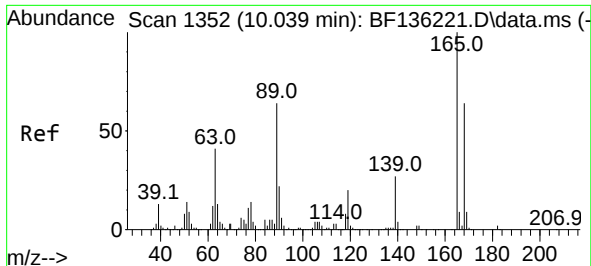
Tgt Ion:163 Resp: 44333
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 490.6 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.684 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

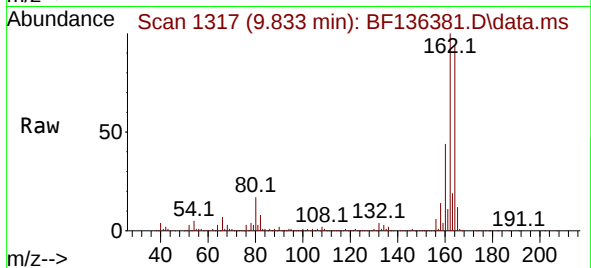
Tgt Ion:165 Resp: 28154
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.4 44.9 67.3#



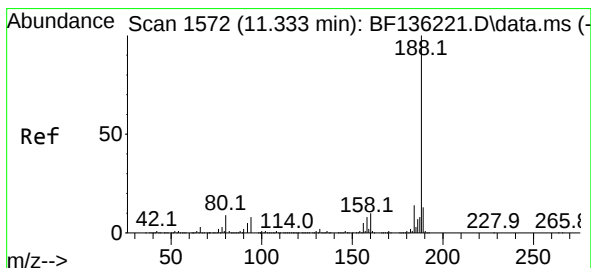
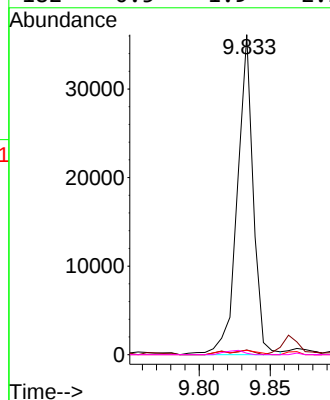
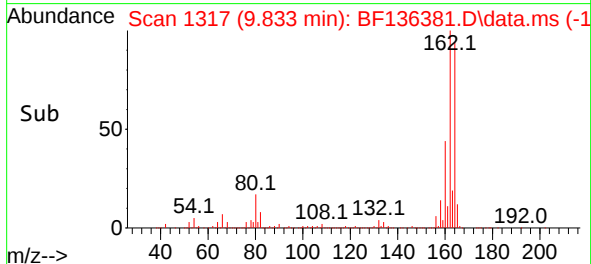


#57
2,4-Dinitrotoluene
Concen: 6.501 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

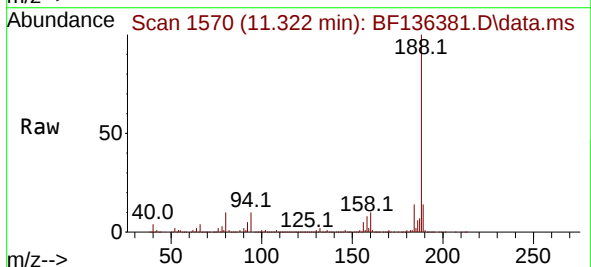
Instrument :
BNA_F
ClientSampleId :



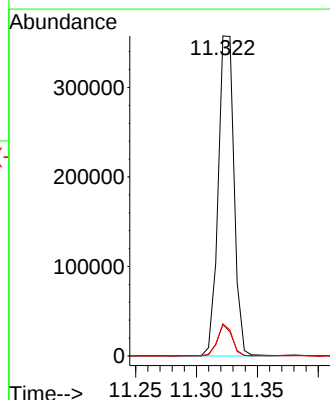
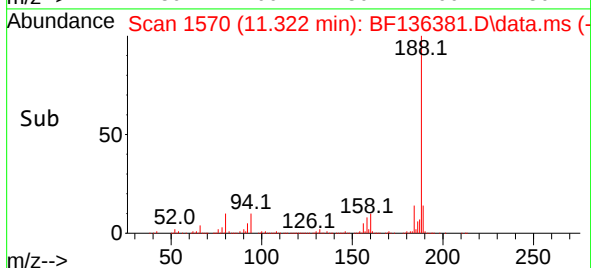
Tgt Ion:165 Resp: 28154
Ion Ratio Lower Upper
165 100
63 1.5 33.0 49.4#
89 1.4 51.5 77.3#
182 0.5 1.9 2.9#

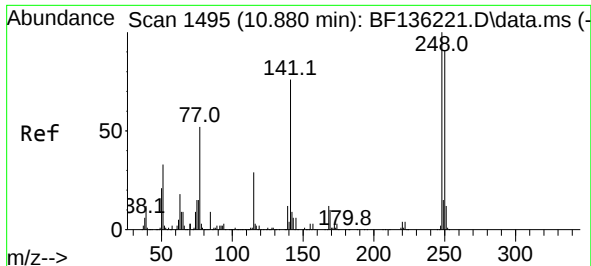


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46



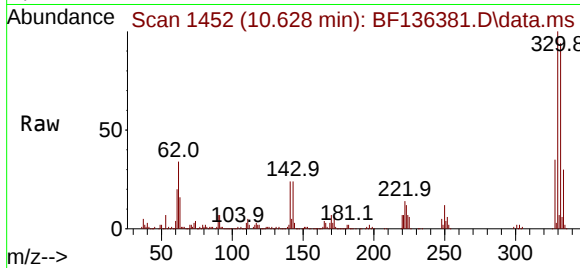
Tgt Ion:188 Resp: 324790
Ion Ratio Lower Upper
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94 9.8 6.7 10.1
80 10.0 7.2 10.8



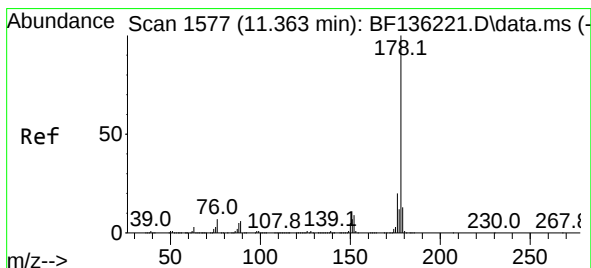
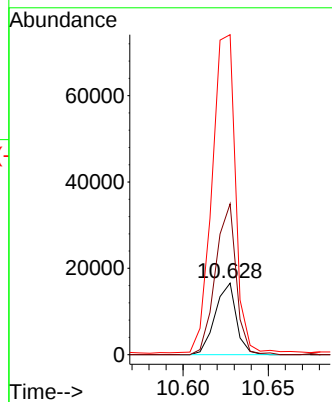
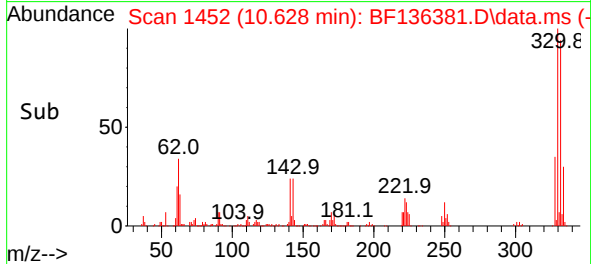


#67
4-Bromophenyl-phenylether
Concen: 3.783 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.247 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

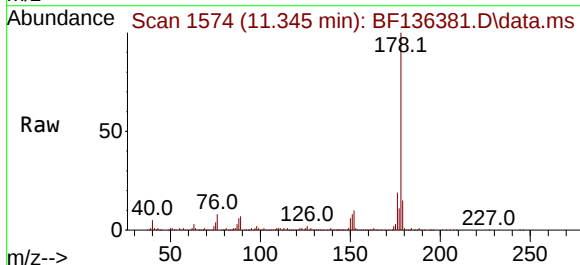
Instrument :
BNA_F
ClientSampleId :



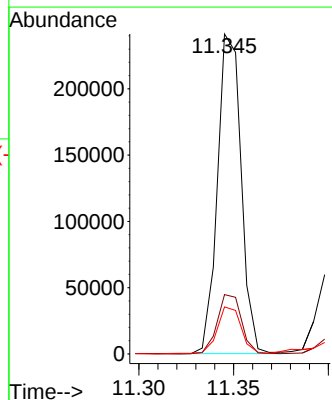
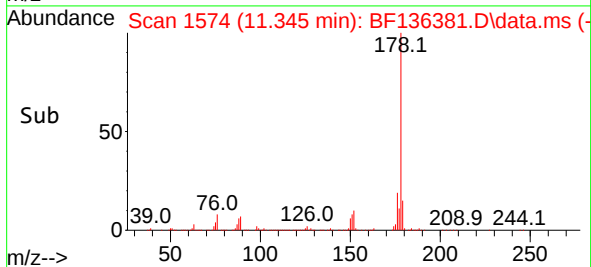
Tgt Ion:248 Resp: 14335
Ion Ratio Lower Upper
248 100
250 210.7 72.5 108.7#
141 447.0 60.8 91.2#

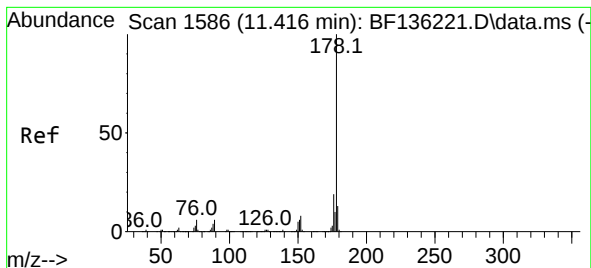


#71
Phenanthrene
Concen: 11.493 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46



Tgt Ion:178 Resp: 209793
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 14.7 10.3 15.5





#72

Anthracene

Concen: 2.472 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

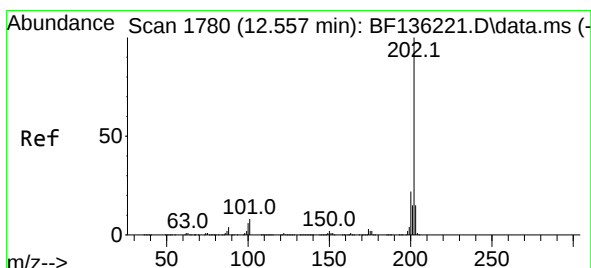
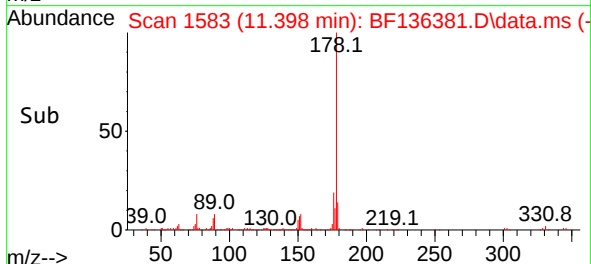
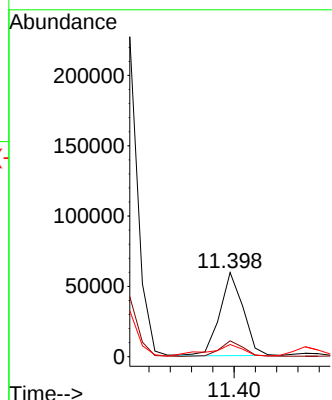
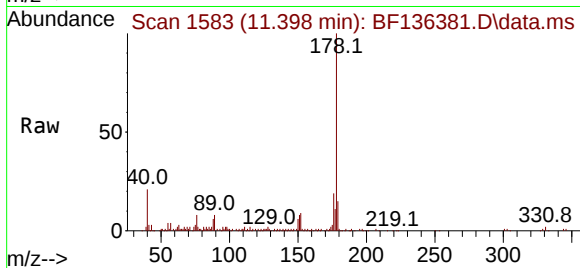
Tgt Ion:178 Resp: 45247

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 14.5 10.5 15.7



#75

Fluoranthene

Concen: 16.027 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

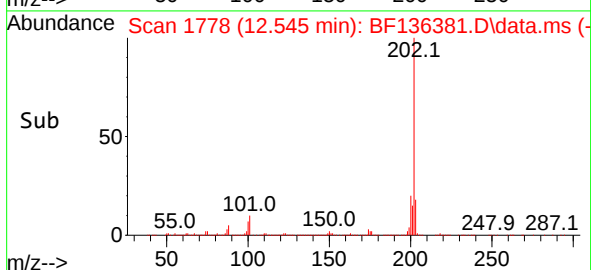
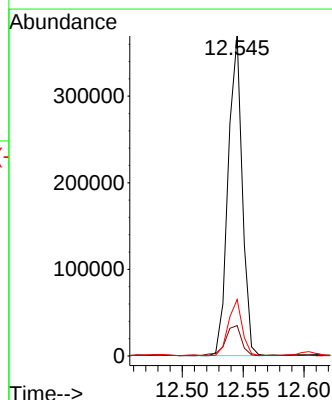
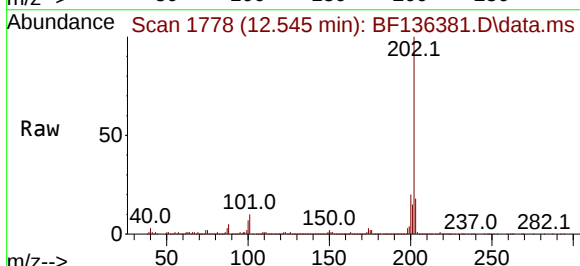
Tgt Ion:202 Resp: 297007

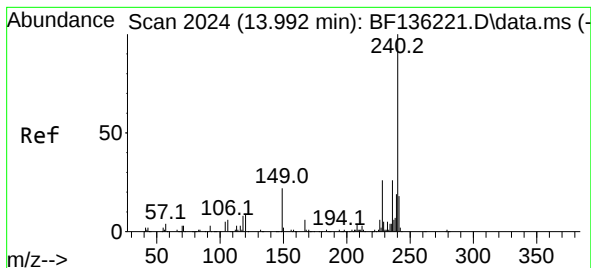
Ion Ratio Lower Upper

202 100

101 9.5 0.0 27.8

203 17.7 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

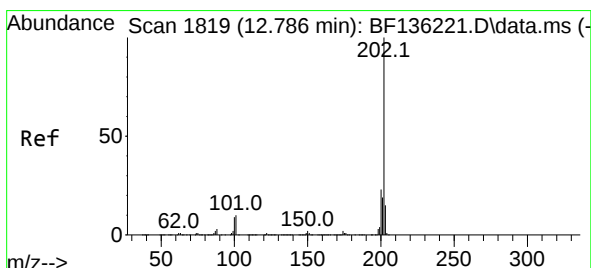
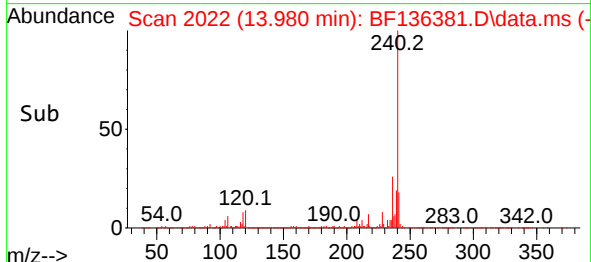
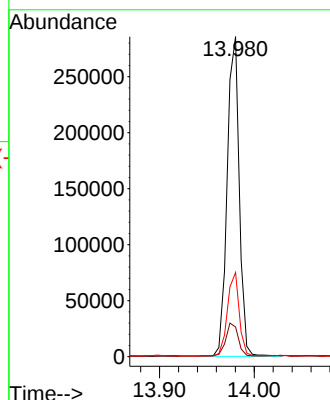
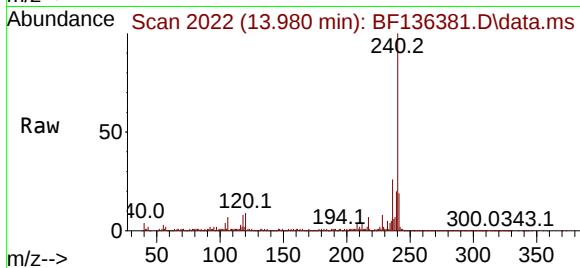
Tgt Ion:240 Resp: 253835

Ion Ratio Lower Upper

240 100

120 9.3 7.4 11.2

236 26.3 21.1 31.7



#78

Pyrene

Concen: 9.030 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

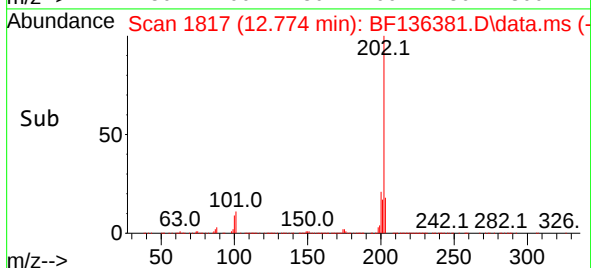
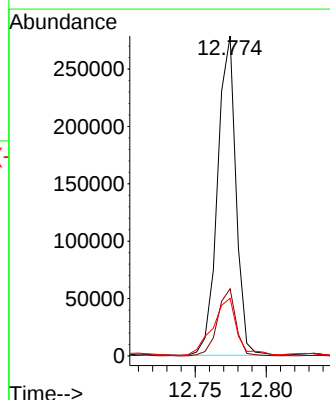
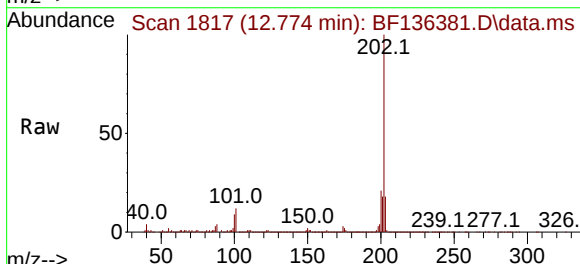
Tgt Ion:202 Resp: 251033

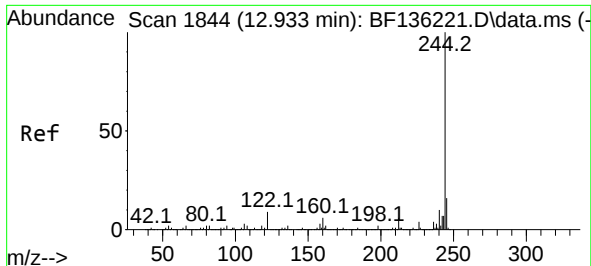
Ion Ratio Lower Upper

202 100

200 21.0 18.4 27.6

203 18.0 11.8 17.6#

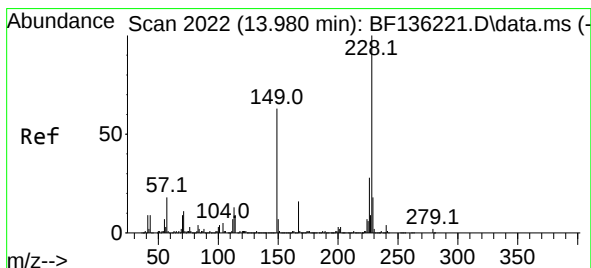
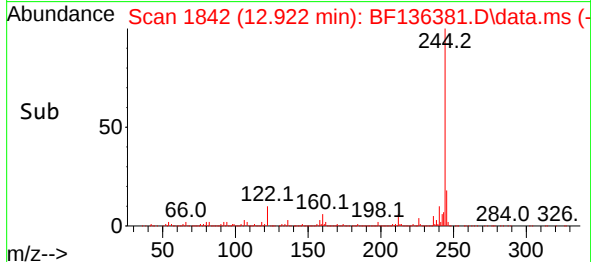
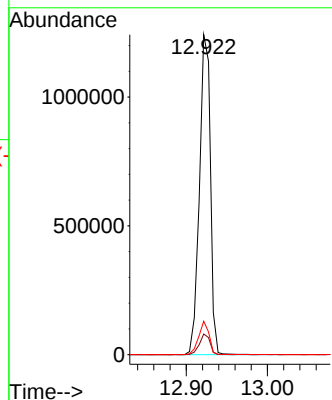
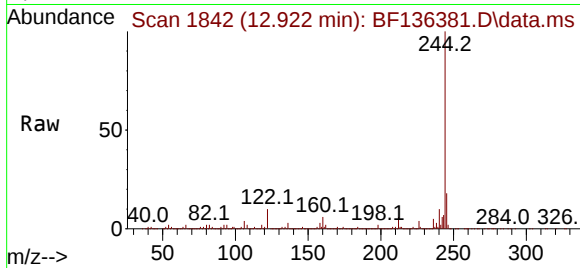




#79
 Terphenyl-d14
 Concen: 53.167 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136381.D
 Acq: 04 Dec 2023 14:46

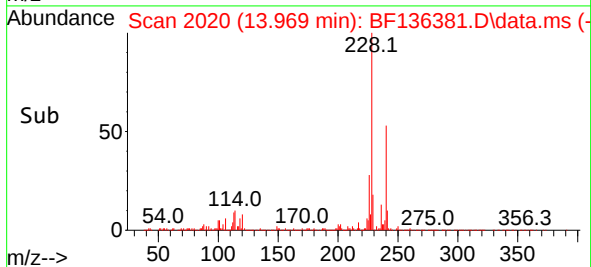
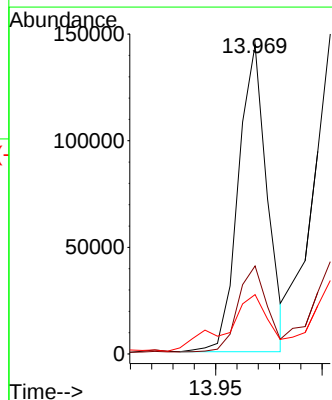
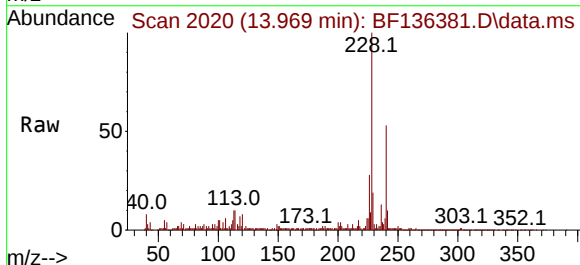
Instrument :
 BNA_F
 ClientSampleId :

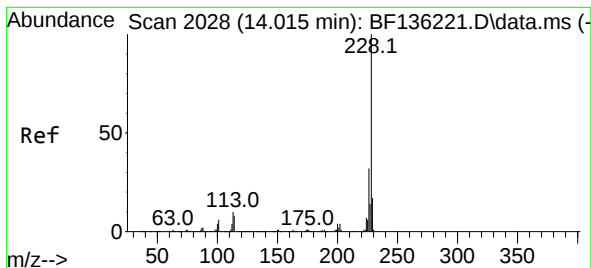
Tgt Ion:244 Resp: 1169980
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.6 7.0
 122 10.4 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 7.172 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF136381.D
 Acq: 04 Dec 2023 14:46

Tgt Ion:228 Resp: 135217
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 34.0
 229 19.2 14.0 21.0





#83

Chrysene

Concen: 7.428 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

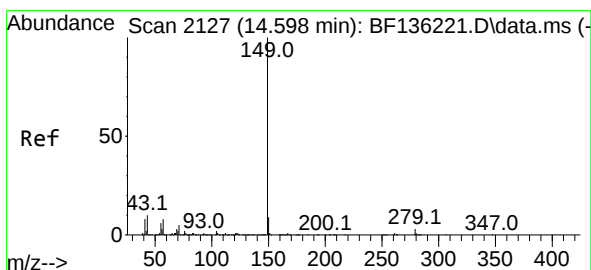
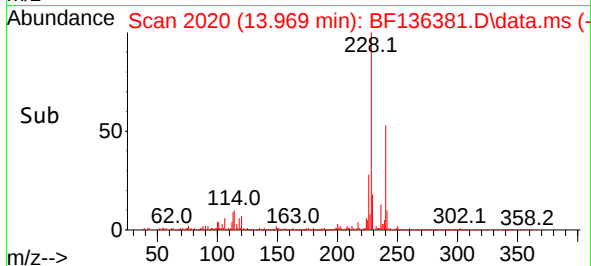
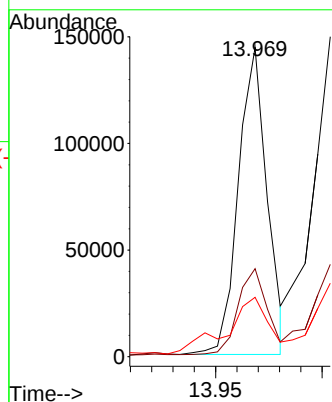
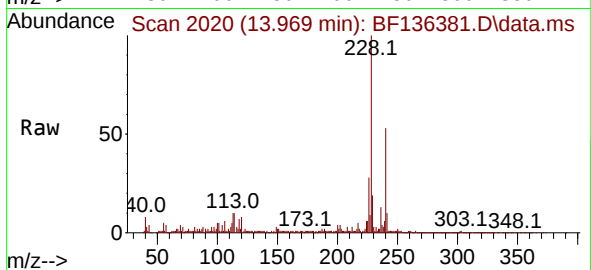
Tgt Ion:228 Resp: 135217

Ion Ratio Lower Upper

228 100

226 28.5 25.5 38.3

229 19.2 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.263 ng

RT: 14.586 min Scan# 2125

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

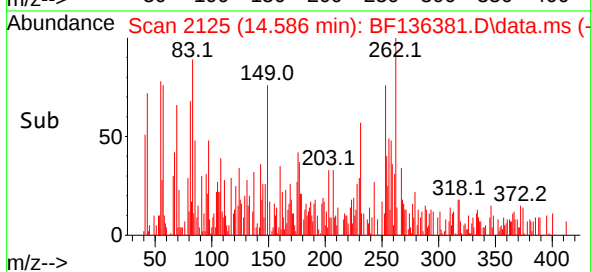
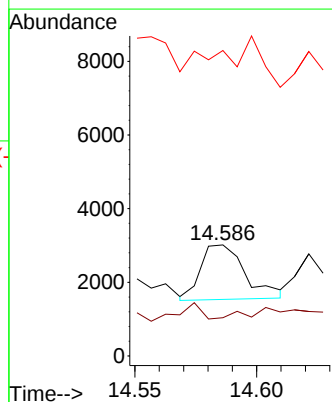
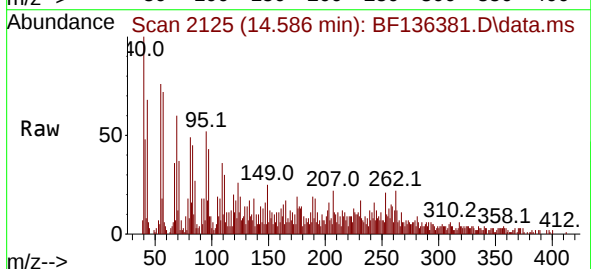
Tgt Ion:149 Resp: 1896

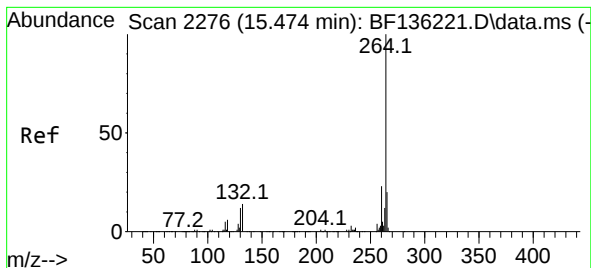
Ion Ratio Lower Upper

149 100

167 27.2 1.0 1.6#

43 0.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

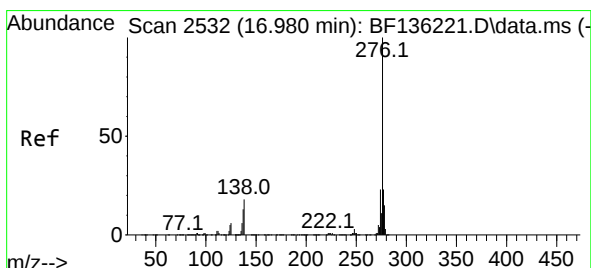
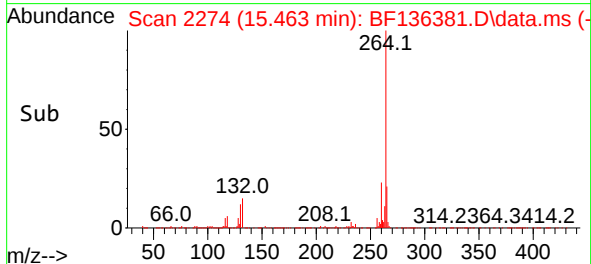
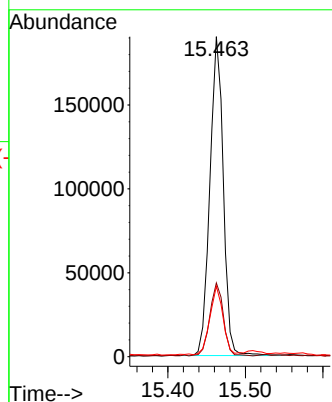
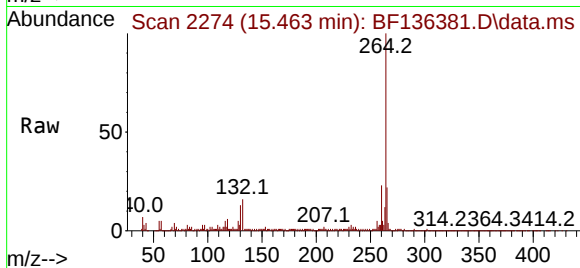
Tgt Ion:264 Resp: 227798

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 22.0 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.755 ng

RT: 16.962 min Scan# 2529

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

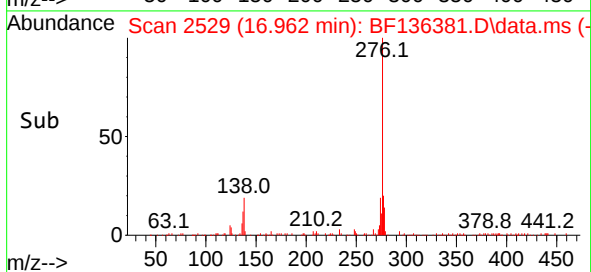
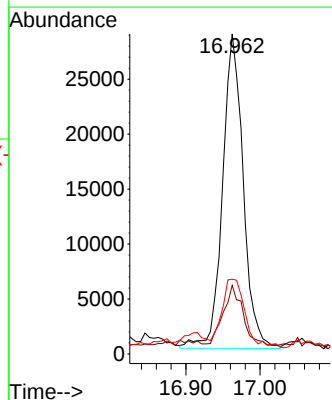
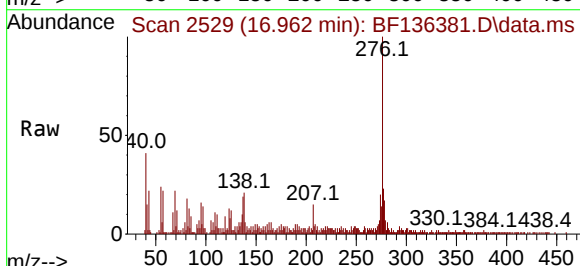
Tgt Ion:276 Resp: 55478

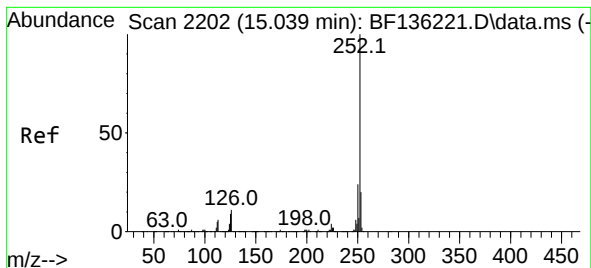
Ion Ratio Lower Upper

276 100

138 18.1 17.7 26.5

277 24.4 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 13.486 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNF

ClientSampleId :

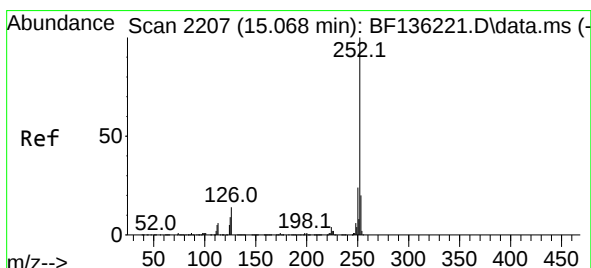
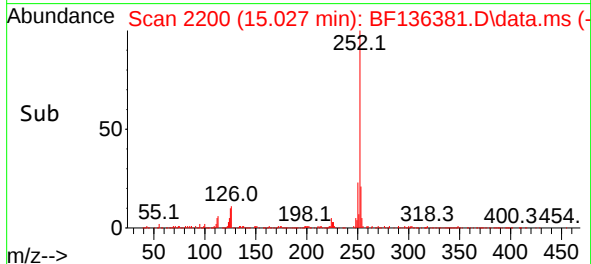
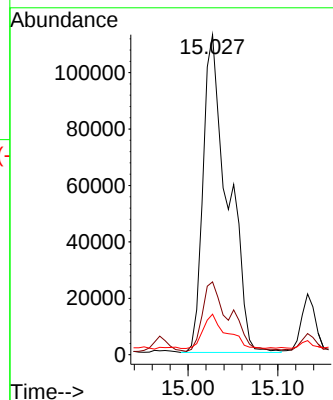
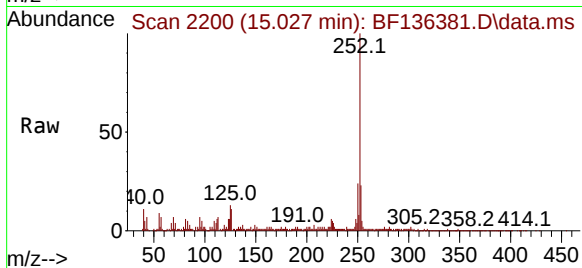
Tgt Ion:252 Resp: 215538

Ion Ratio Lower Upper

252 100

253 22.7 16.2 24.2

125 12.6 6.9 10.3#



#89

Benzo(k)fluoranthene

Concen: 14.200 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.029 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

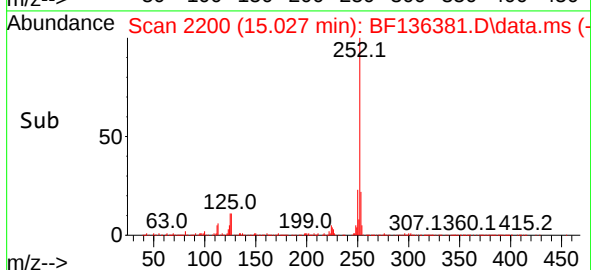
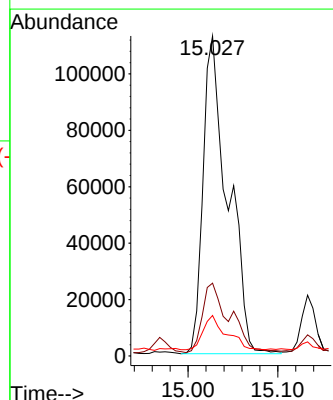
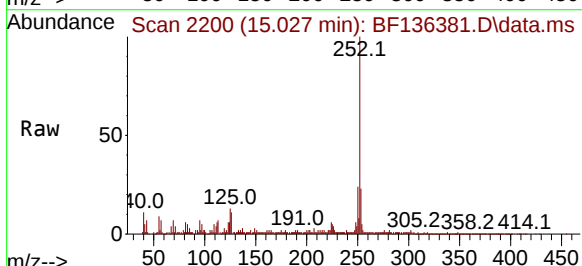
Tgt Ion:252 Resp: 215538

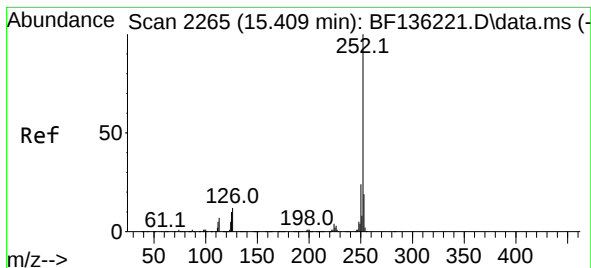
Ion Ratio Lower Upper

252 100

253 22.7 15.6 23.4

125 12.6 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 7.723 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

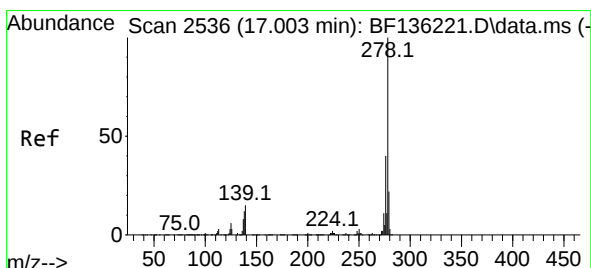
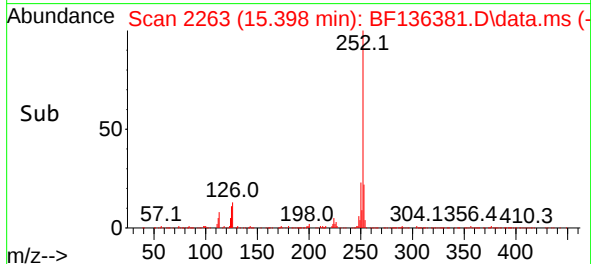
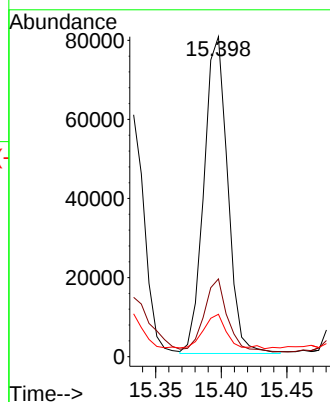
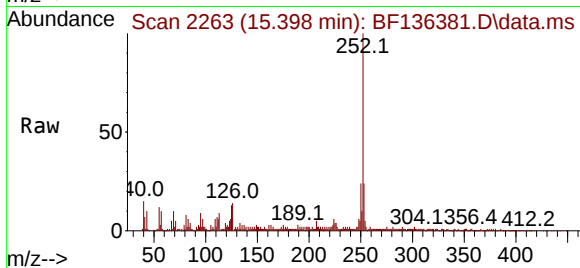
Tgt Ion:252 Resp: 100902

Ion Ratio Lower Upper

252 100

253 24.3 15.5 23.3#

125 13.2 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 3.759 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

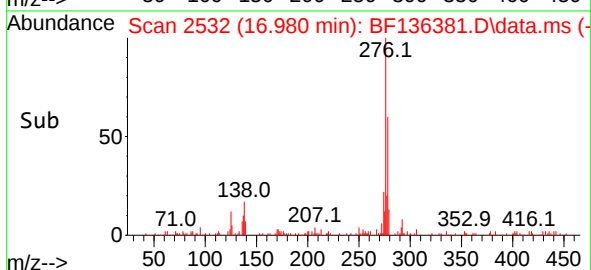
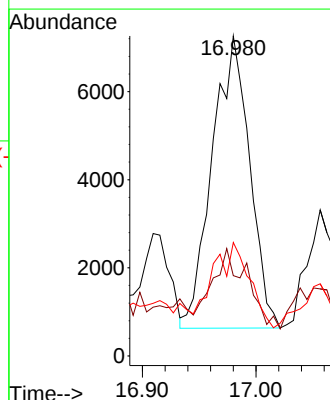
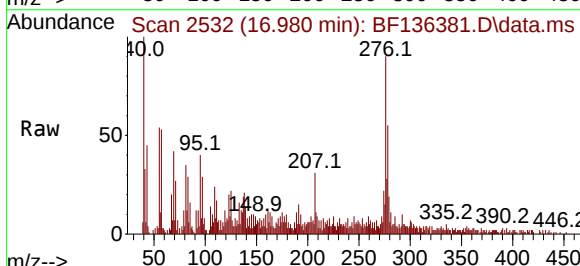
Tgt Ion:278 Resp: 15146

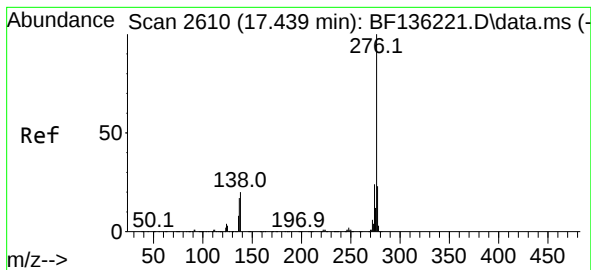
Ion Ratio Lower Upper

278 100

139 25.1 11.7 17.5#

279 35.5 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 5.501 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.000 min

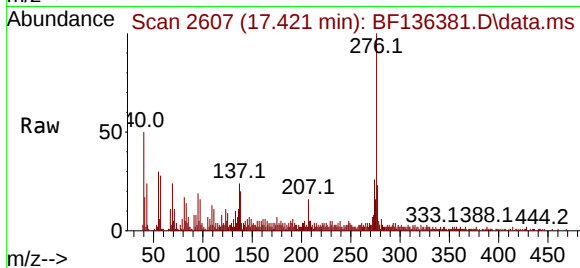
Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 51406

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 19.6 15.8 23.8

