

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136077.D
 Acq On : 01 Nov 2023 15:27
 Operator : CG\JU
 Sample : 05138-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Quant Time: Nov 01 15:48:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

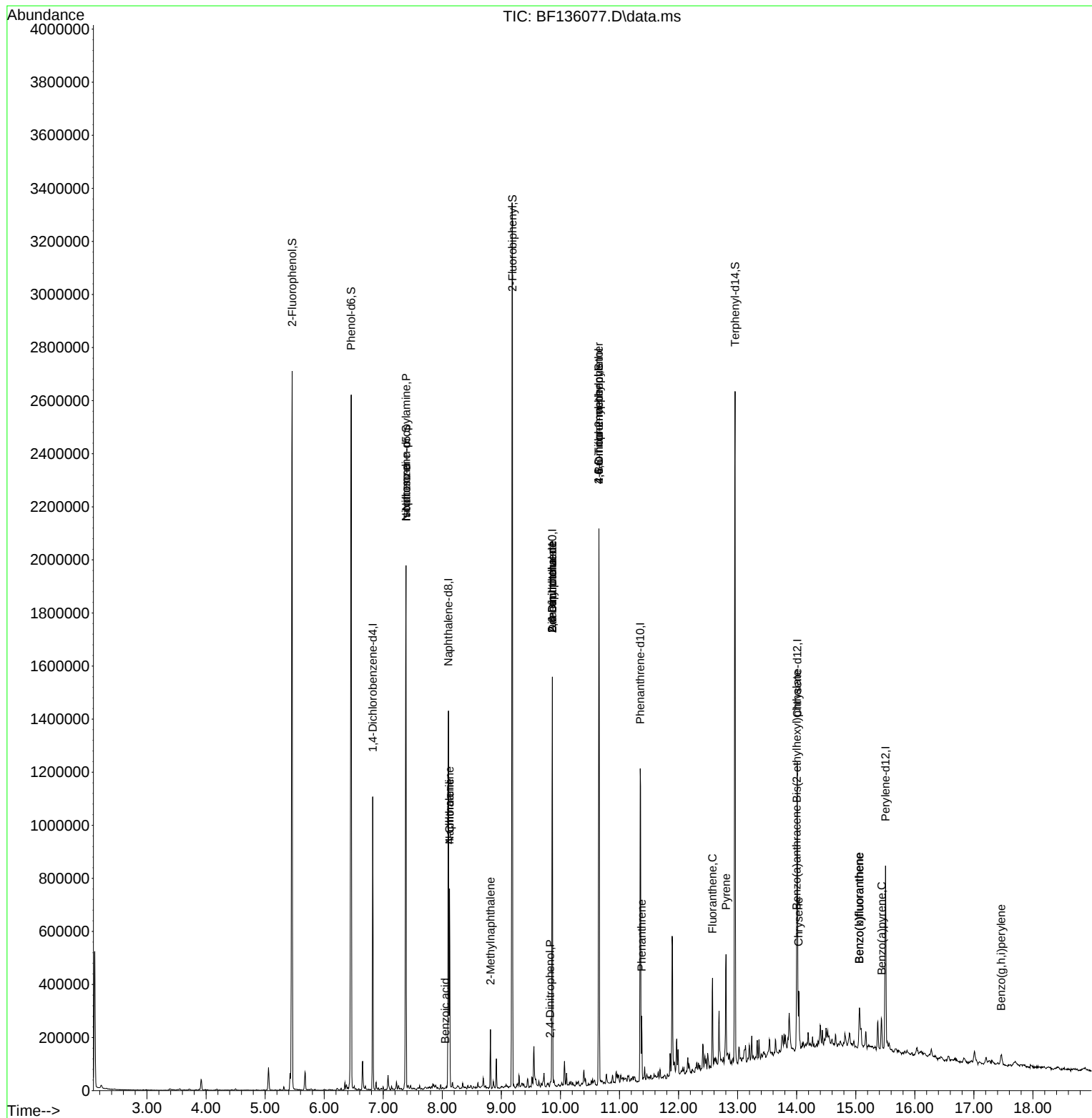
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	145735	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	560292	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	277921	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	453314	20.000	ng	0.00
76) Chrysene-d12	14.010	240	287482	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	303352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	790564	85.244	ng	0.00
7) Phenol-d6	6.457	99	971422	84.069	ng	0.00
23) Nitrobenzene-d5	7.386	82	581039	62.515	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	251944	84.931	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1054699	60.495	ng	0.00
79) Terphenyl-d14	12.957	244	904665	48.903	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	77107	11.679	ng	# 77
25) Isophorone	7.386	82	579748	33.040	ng	# 64
31) Naphthalene	8.122	128	280200	10.371	ng	100
32) Benzoic acid	8.051	122	78	5.125	ng	88
33) 4-Chloroaniline	8.122	127	36378	3.074	ng	# 31
37) 2-Methylnaphthalene	8.816	142	47596	2.627	ng	99
50) Dimethylphthalate	9.863	163	57389	3.131	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	36072	9.200	ng	# 29
54) 2,4-Dinitrophenol	9.827	184	53	8.000	ng	# 1
57) 2,4-Dinitrotoluene	9.863	165	36072	7.271	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.651	198	655	6.022	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	15443	3.249	ng	# 1
71) Phenanthrene	11.374	178	81200	3.558	ng	97
75) Fluoranthene	12.574	202	129079	5.505	ng	98
78) Pyrene	12.804	202	167461	6.607	ng	99
81) Benzo(a)anthracene	13.998	228	90935	4.778	ng	99
83) Chrysene	14.033	228	96147	5.130	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	40010	3.785	ng	# 95
88) Benzo(b)fluoranthene	15.062	252	117973	6.572	ng	# 97
89) Benzo(k)fluoranthene	15.062	252	117973	6.642	ng	# 97
90) Benzo(a)pyrene	15.439	252	63365	3.799	ng	98
92) Benzo(g,h,i)perylene	17.462	276	30963	4.469	ng	98

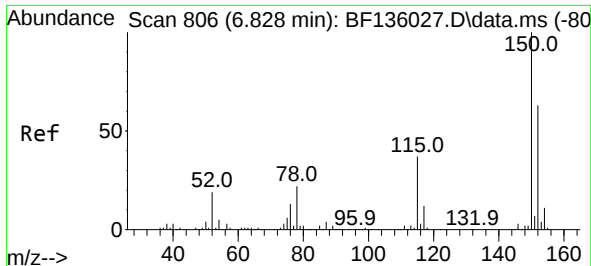
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136077.D
Acq On : 01 Nov 2023 15:27
Operator : CG\JU
Sample : 05138-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
348

Quant Time: Nov 01 15:48:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

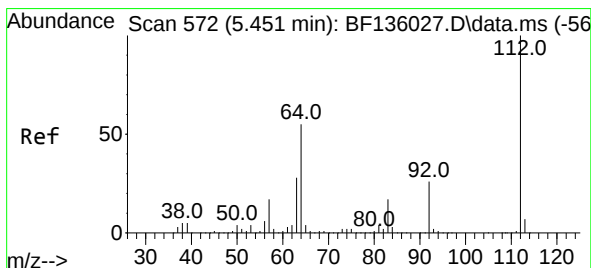
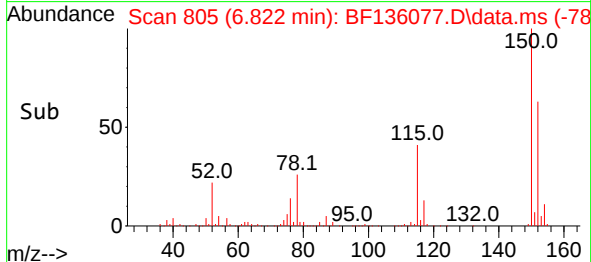
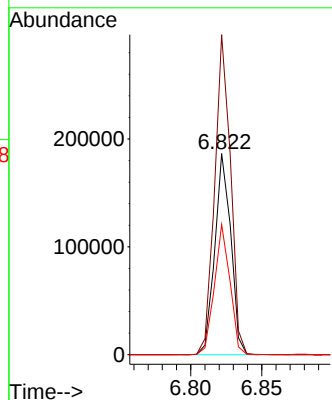
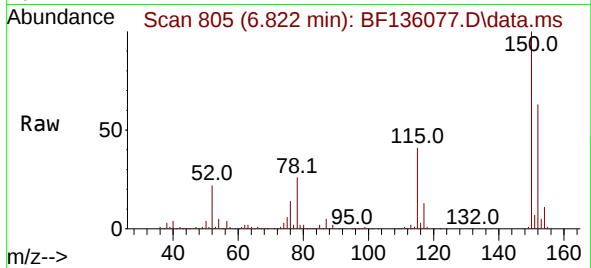




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

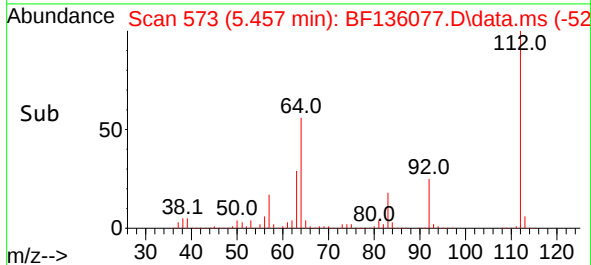
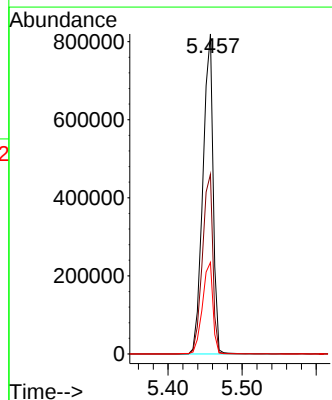
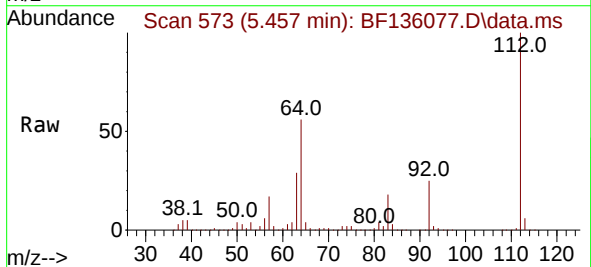
Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:152 Resp: 145735
Ion Ratio Lower Upper
152 100
150 159.1 126.4 189.6
115 64.8 47.0 70.4



#5
2-Fluorophenol
Concen: 85.244 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:112 Resp: 790564
Ion Ratio Lower Upper
112 100
64 56.2 43.9 65.9
63 28.6 22.4 33.6

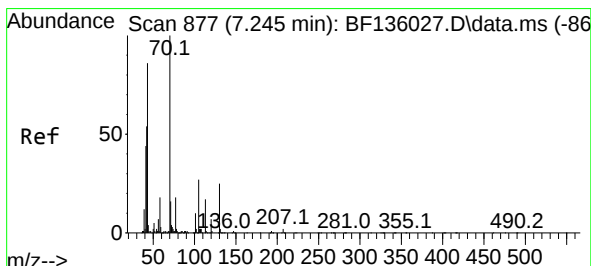
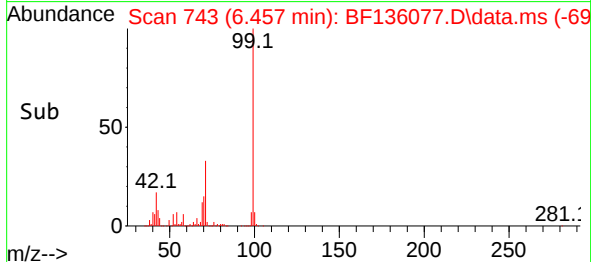
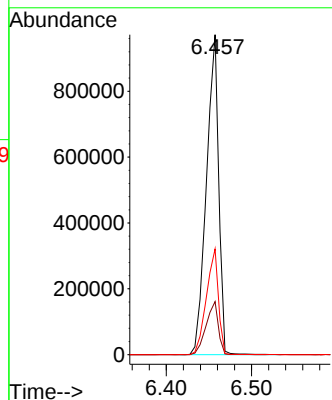
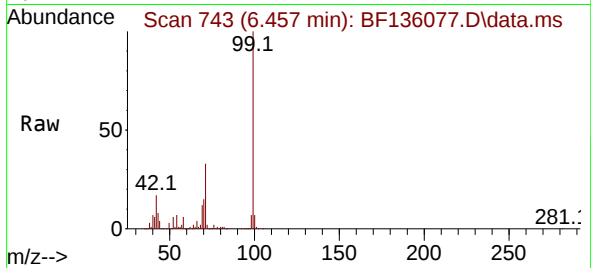




#7
Phenol-d6
Concen: 84.069 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

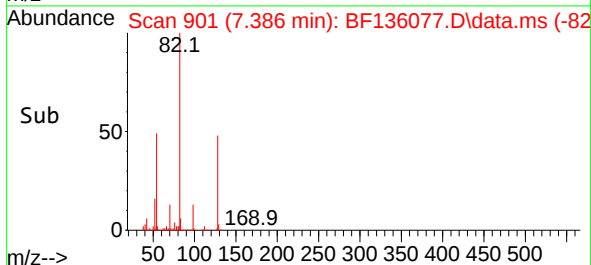
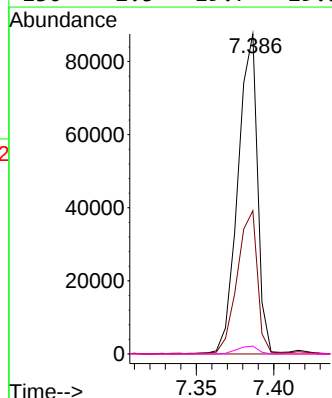
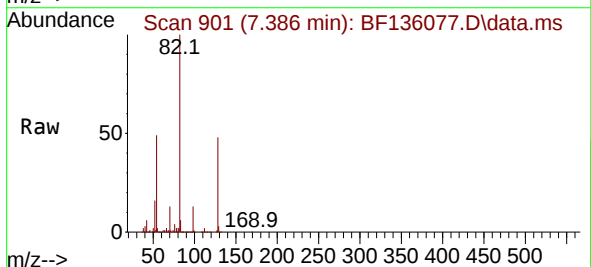
Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion: 99 Resp: 971422
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 33.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.679 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.141 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 70 Resp: 77107
Ion Ratio Lower Upper
70 100
42 44.8 43.0 64.4
101 0.0 8.0 12.0#
130 2.5 19.7 29.5#

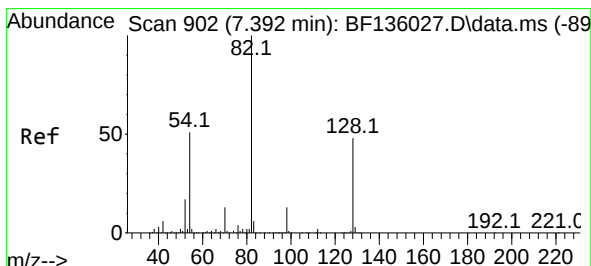
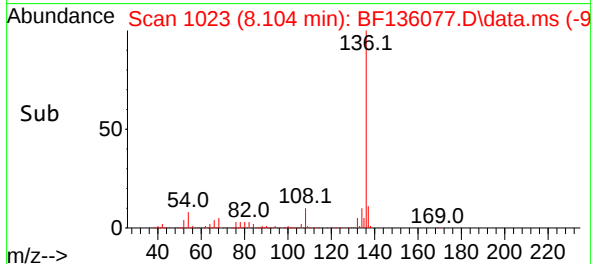
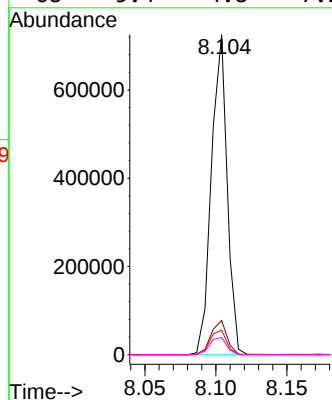
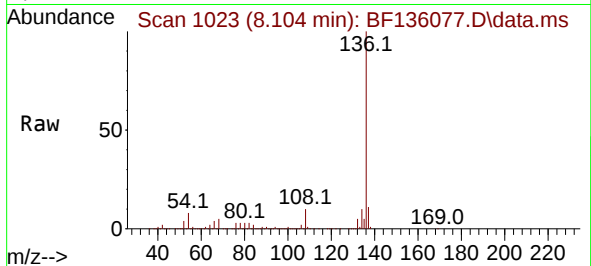




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

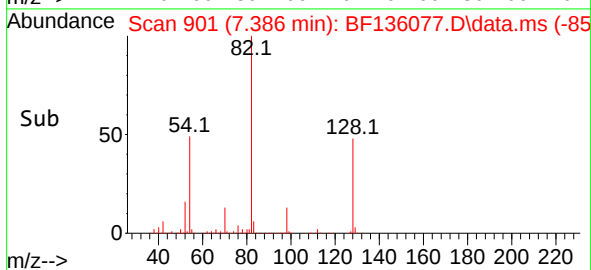
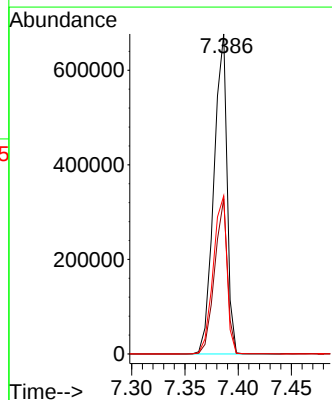
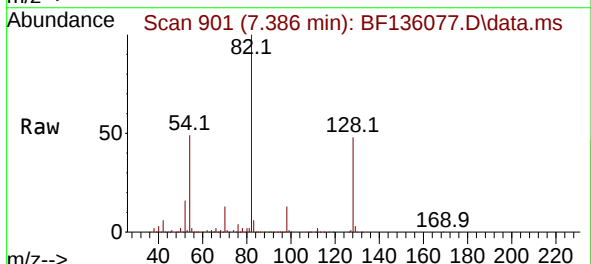
Instrument :
BNA_F
ClientSampleId :
348

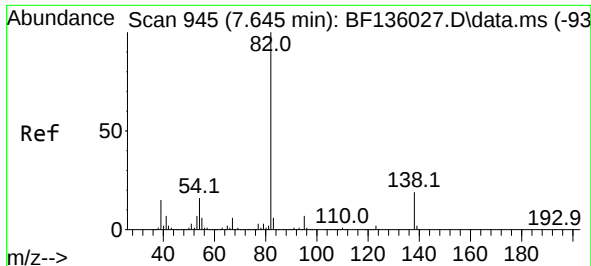
Tgt Ion:	136	Resp:	560292
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.7	6.6	9.8
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 62.515 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:	82	Resp:	581039
Ion	Ratio	Lower	Upper
82	100		
128	48.4	38.6	57.8
54	49.4	40.8	61.2

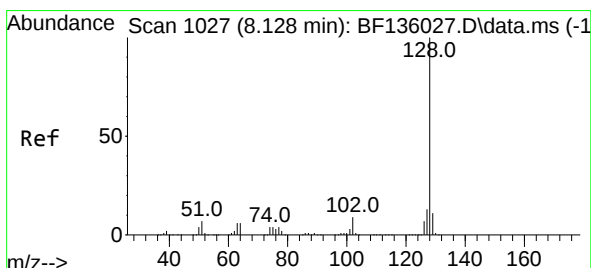
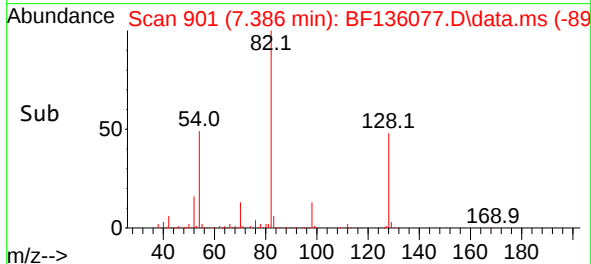
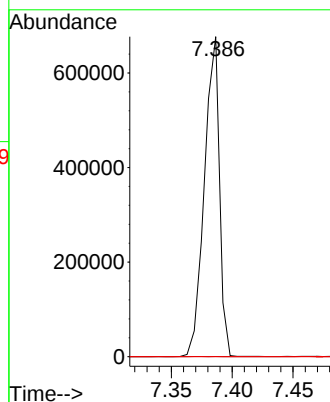
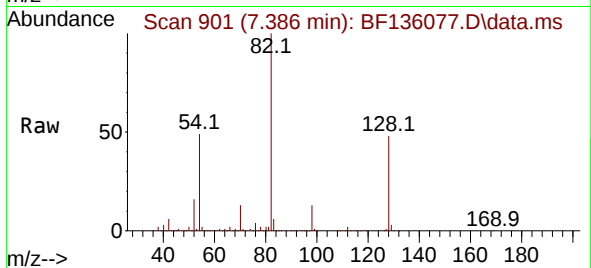




#25
Isophorone
Concen: 33.040 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

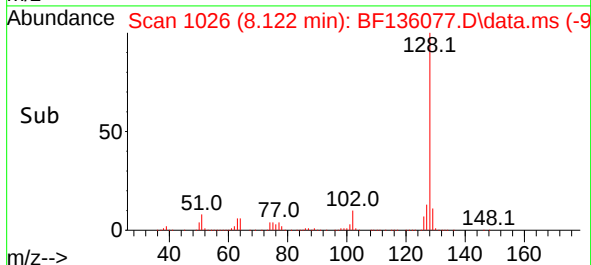
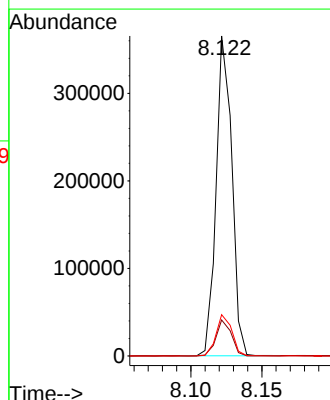
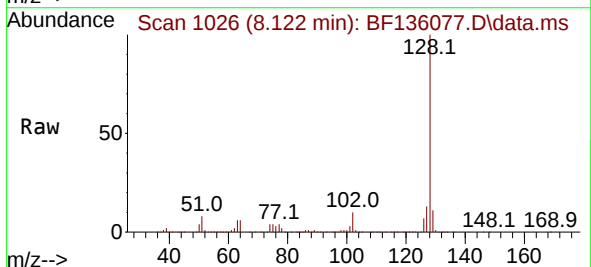
Instrument :
BNA_F
ClientSampleId :
348

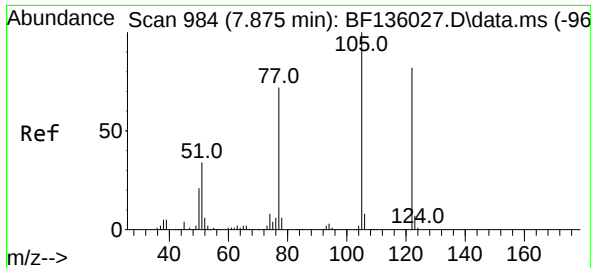
Tgt Ion: 82 Resp: 579748
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#31
Naphthalene
Concen: 10.371 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 128 Resp: 280200
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.9 10.5 15.7

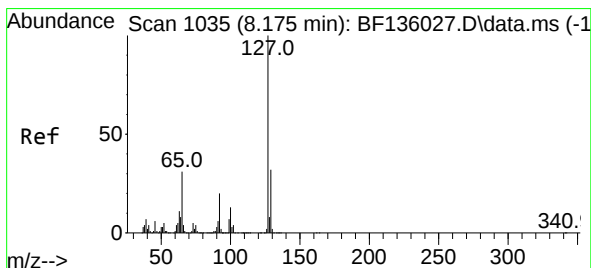
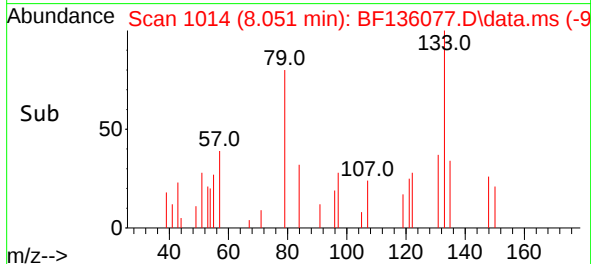
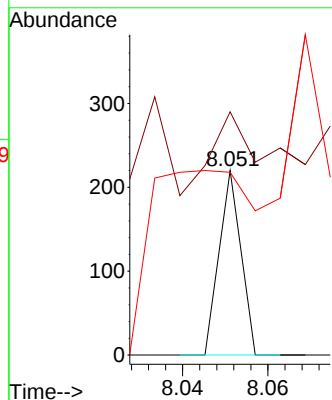
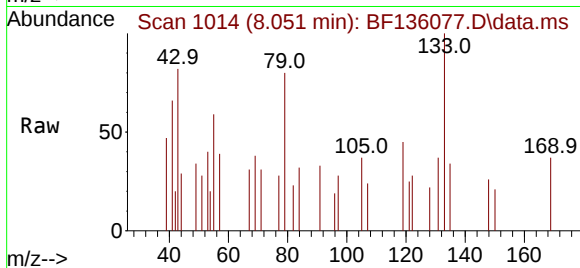




#32
Benzoic acid
Concen: 5.125 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.176 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

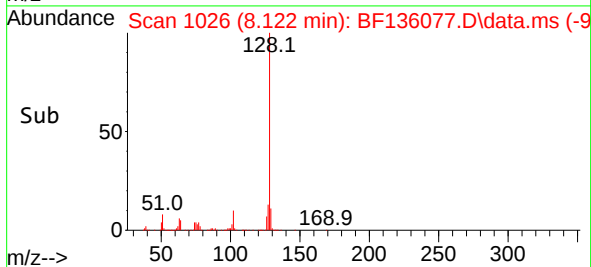
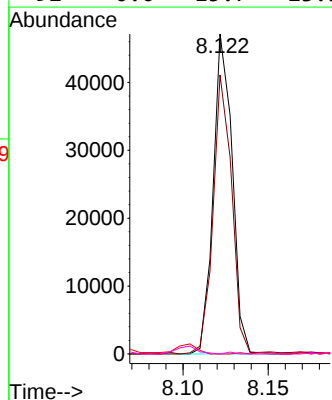
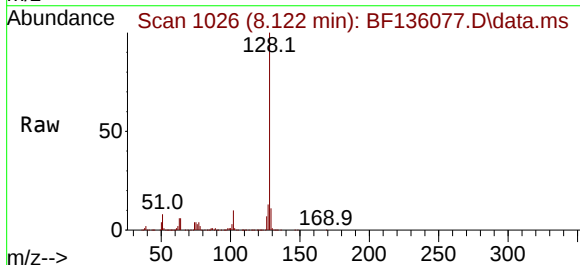
Instrument :
BNA_F
ClientSampleId :
348

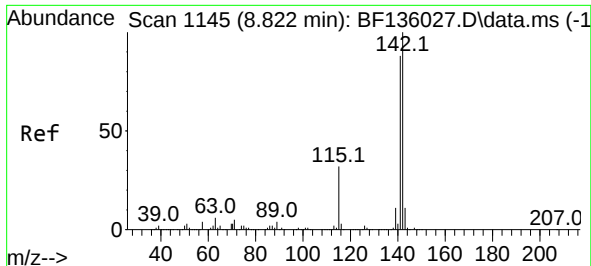
Tgt Ion:	122	Resp:	78
Ion	Ratio	Lower	Upper
122	100		
105	131.8	99.5	139.5
77	99.1	66.8	106.8



#33
4-Chloroaniline
Concen: 3.074 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:	127	Resp:	36378
Ion	Ratio	Lower	Upper
127	100		
129	87.2	25.9	38.9#
65	0.0	24.6	37.0#
92	0.0	15.7	23.5#





#37

2-Methylnaphthalene

Concen: 2.627 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

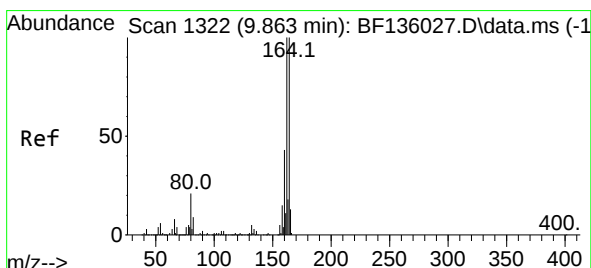
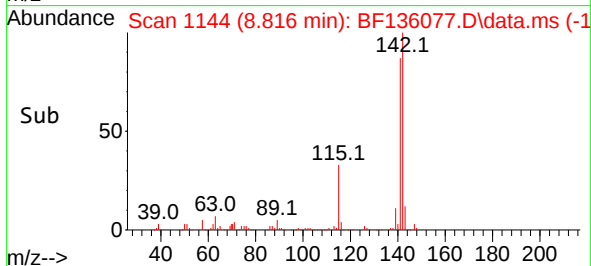
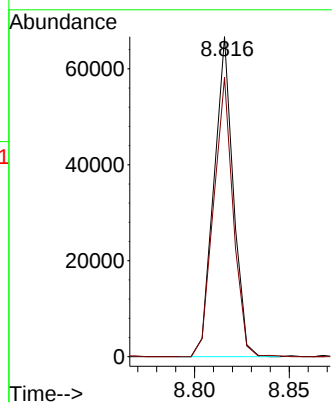
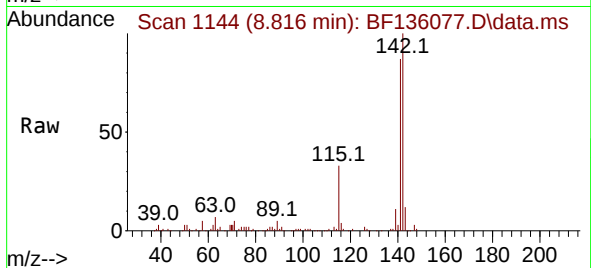
348

Tgt Ion:142 Resp: 47596

Ion Ratio Lower Upper

142 100

141 87.3 70.4 105.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

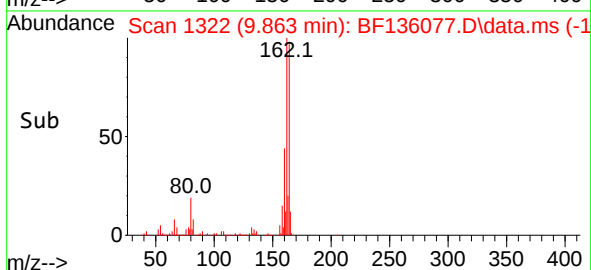
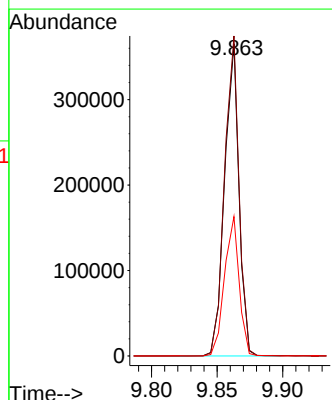
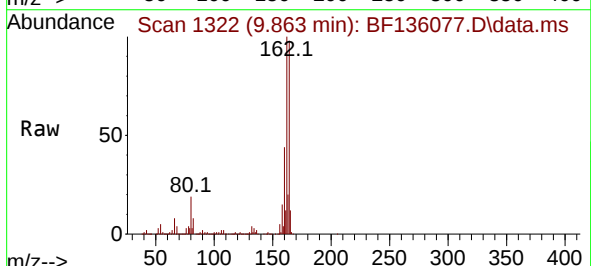
Tgt Ion:164 Resp: 277921

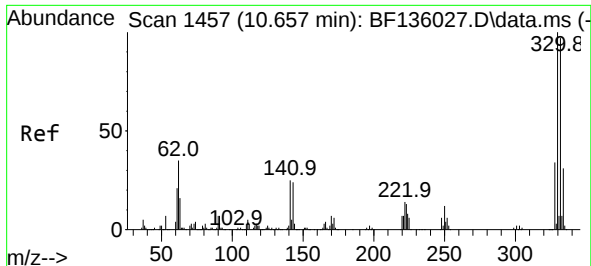
Ion Ratio Lower Upper

164 100

162 102.5 80.1 120.1

160 44.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 84.931 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

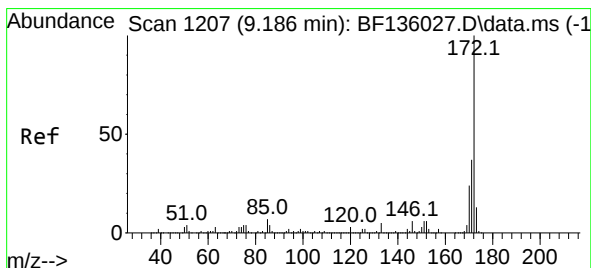
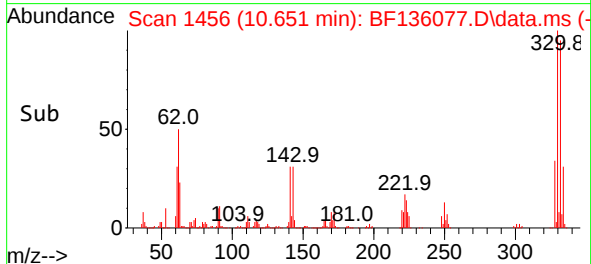
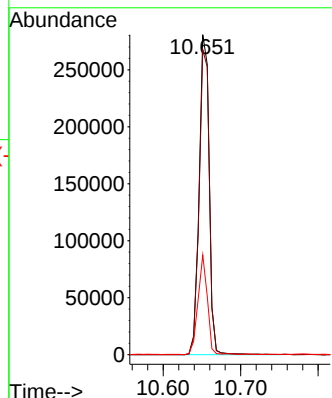
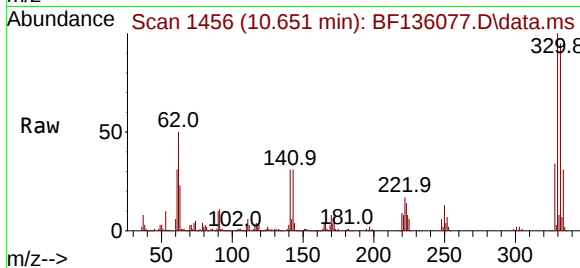
Tgt Ion:330 Resp: 251944

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 28.9 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 60.495 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

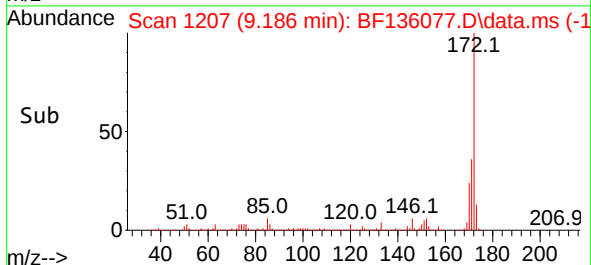
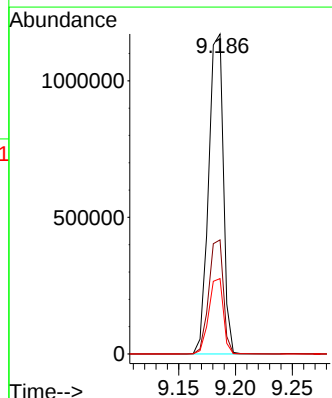
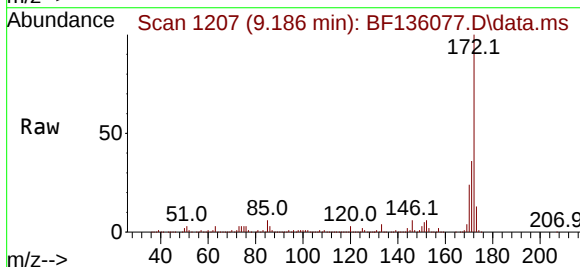
Tgt Ion:172 Resp: 1054699

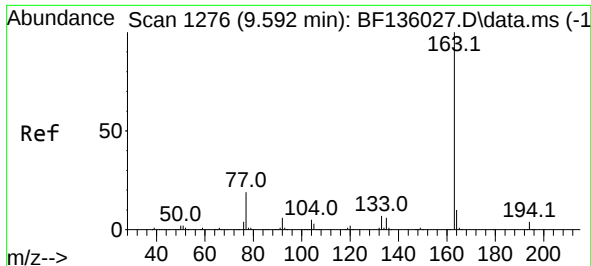
Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.6 19.3 28.9

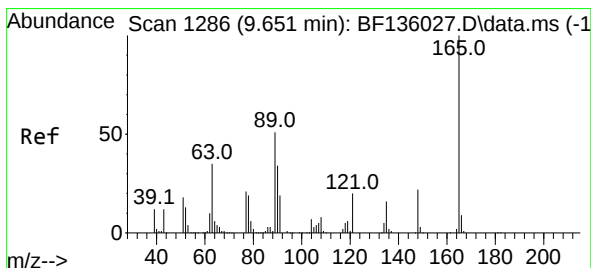
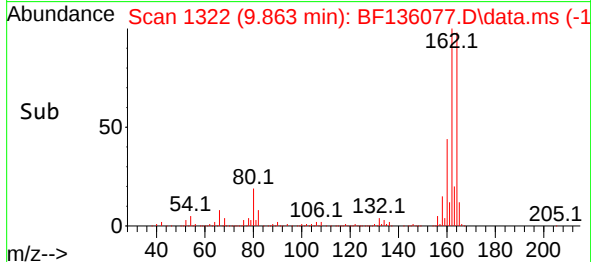
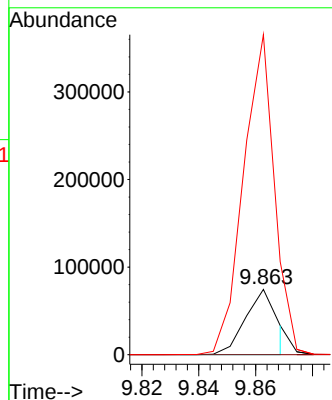
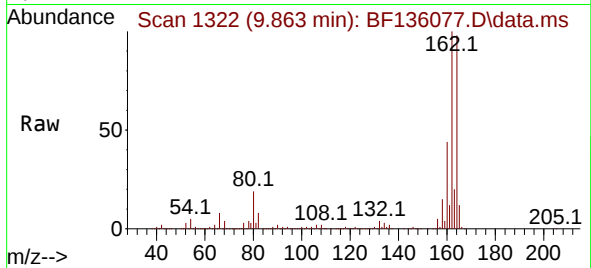




#50
Dimethylphthalate
Concen: 3.131 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

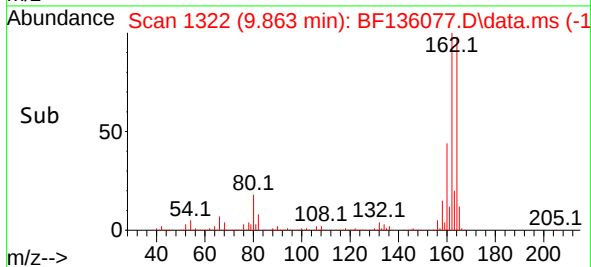
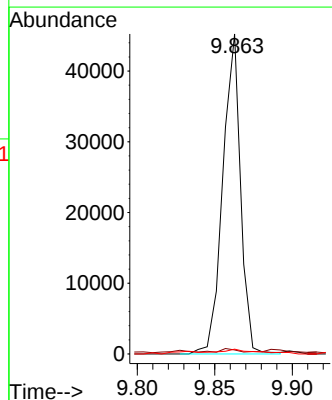
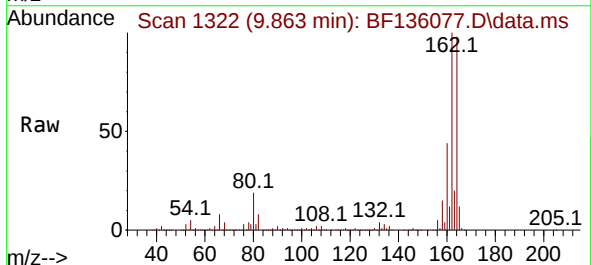
Instrument :
BNA_F
ClientSampleId :
348

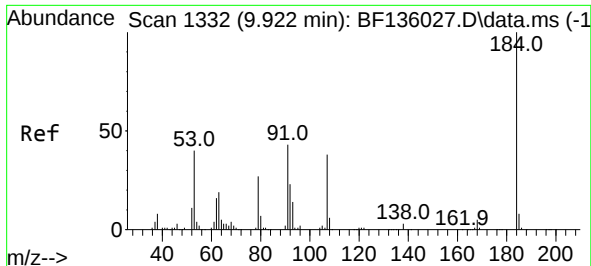
Tgt Ion:163 Resp: 57389
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 489.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.200 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:165 Resp: 36072
Ion Ratio Lower Upper
165 100
63 1.3 40.8 61.2#
89 1.5 41.1 61.7#

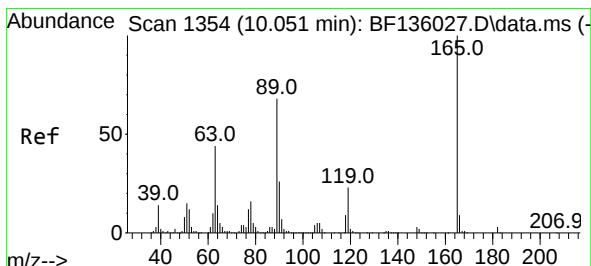
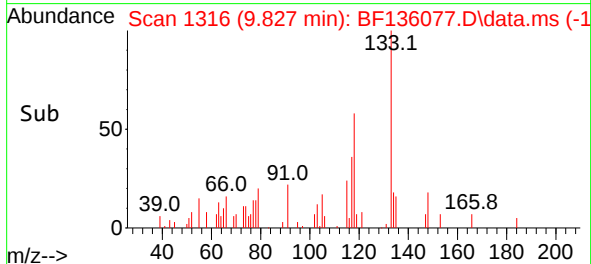
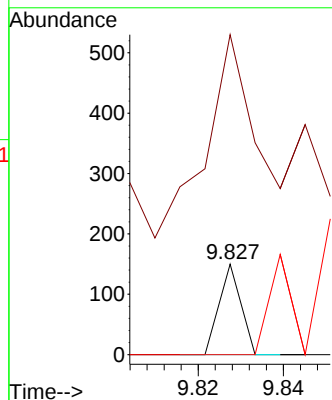
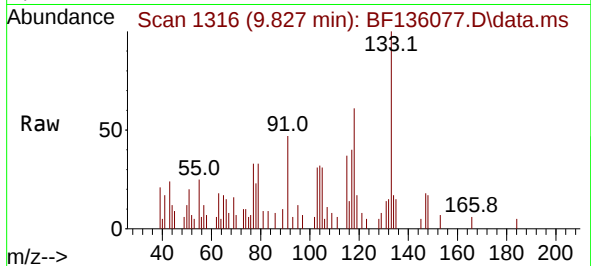




#54
2,4-Dinitrophenol
Concen: 8.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.095 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

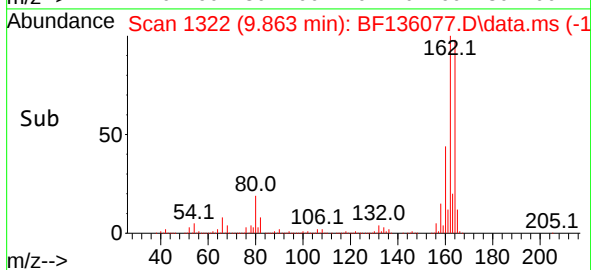
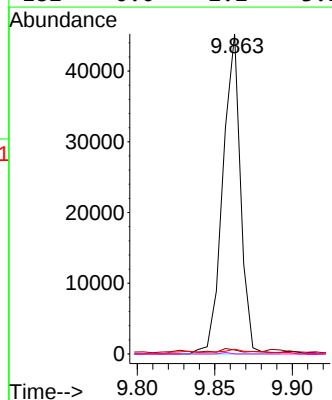
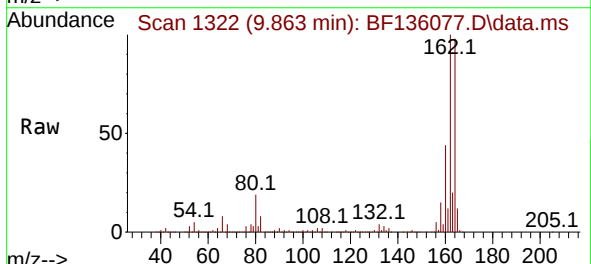
Instrument :
BNA_F
ClientSampleId :
348

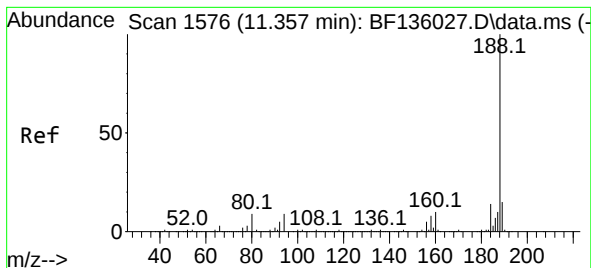
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 353.3 43.7 65.5#
154 0.0 51.2 76.8#



#57
2,4-Dinitrotoluene
Concen: 7.271 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:165 Resp: 36072
Ion Ratio Lower Upper
165 100
63 1.3 35.2 52.8#
89 1.5 54.8 82.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

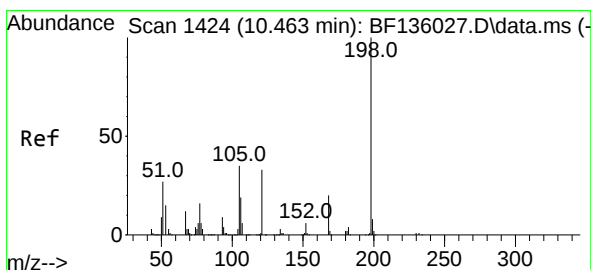
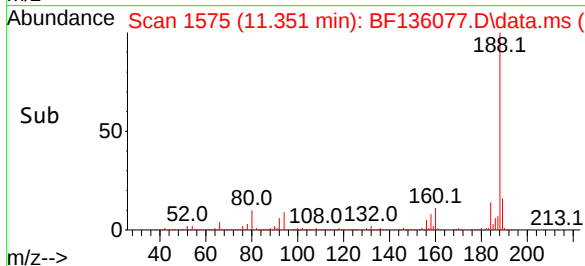
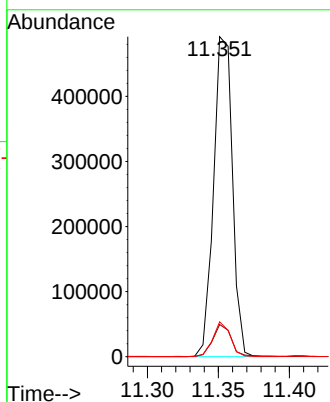
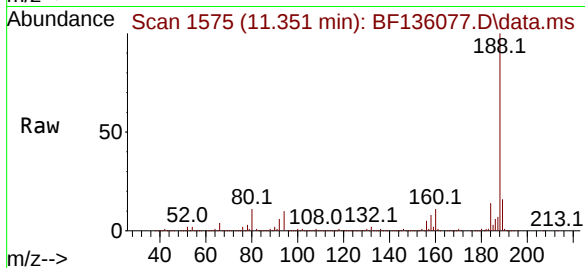
Tgt Ion:188 Resp: 453314

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

80 10.9 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.022 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.188 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

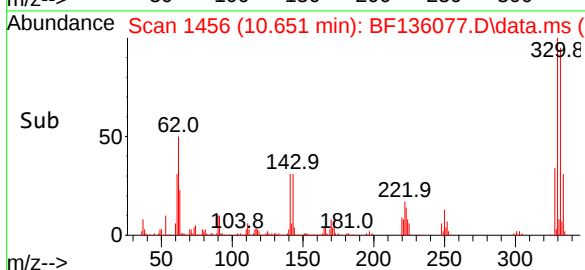
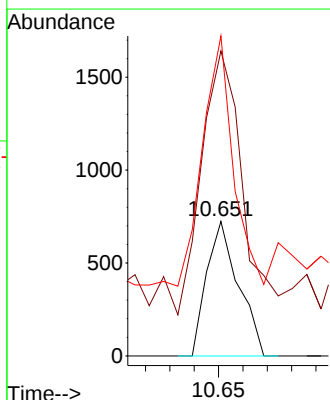
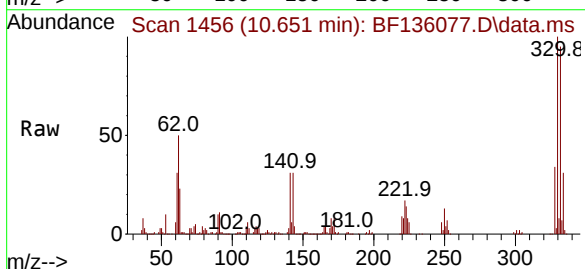
Tgt Ion:198 Resp: 655

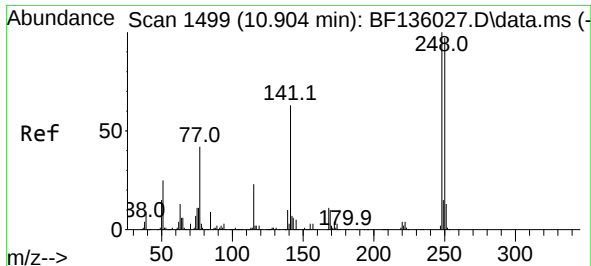
Ion Ratio Lower Upper

198 100

51 226.7 12.9 52.9#

105 237.8 16.0 56.0#





#67

4-Bromophenyl-phenylether

Concen: 3.249 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

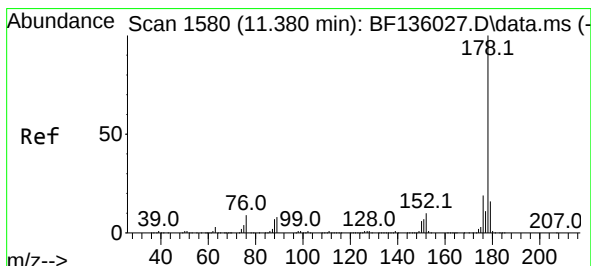
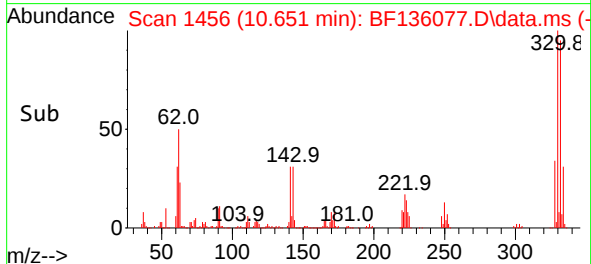
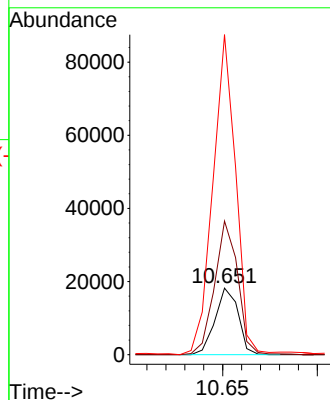
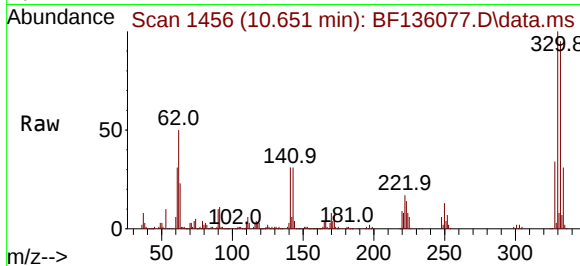
Tgt Ion:248 Resp: 15443

Ion Ratio Lower Upper

248 100

250 200.5 77.6 116.4#

141 480.4 50.4 75.6#



#71

Phenanthrene

Concen: 3.558 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

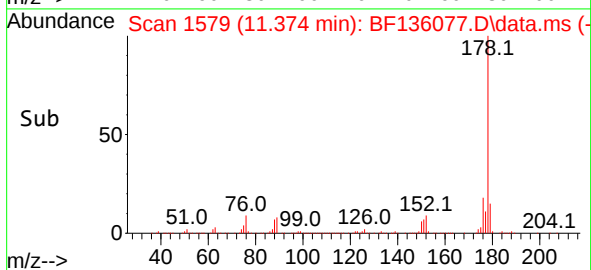
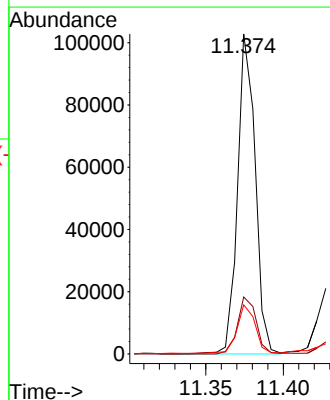
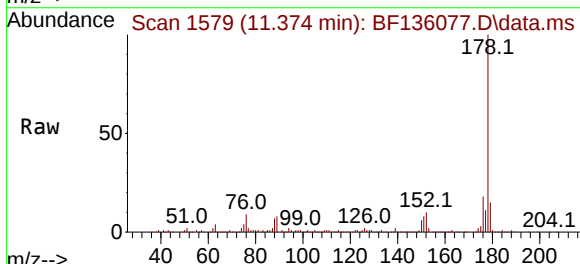
Tgt Ion:178 Resp: 81200

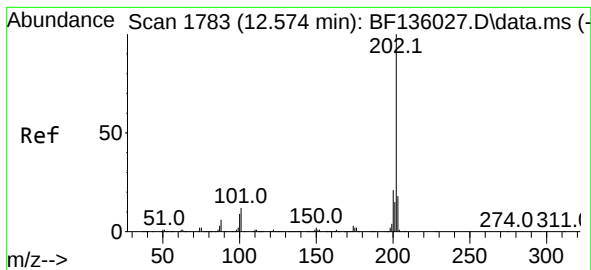
Ion Ratio Lower Upper

178 100

176 17.8 15.5 23.3

179 15.4 12.9 19.3





#75

Fluoranthene

Concen: 5.505 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

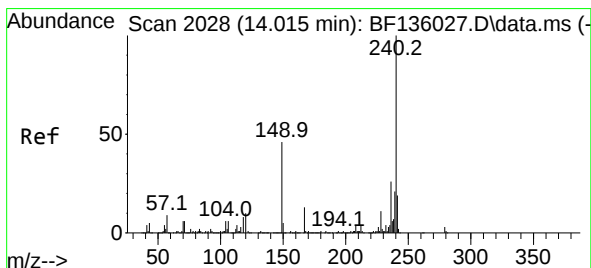
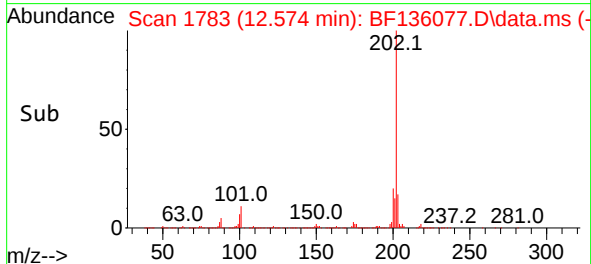
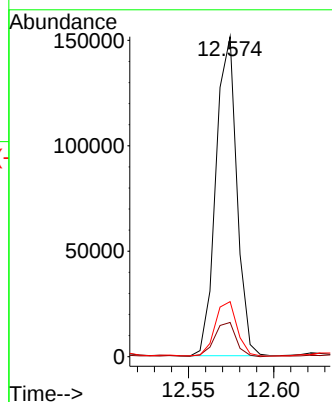
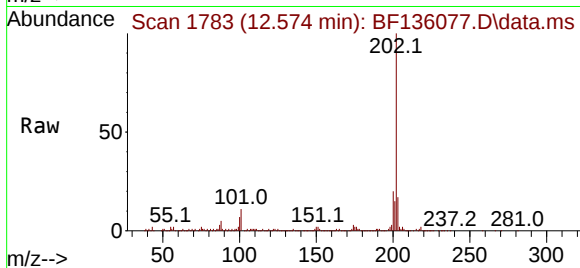
Tgt Ion:202 Resp: 129079

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

203 17.2 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

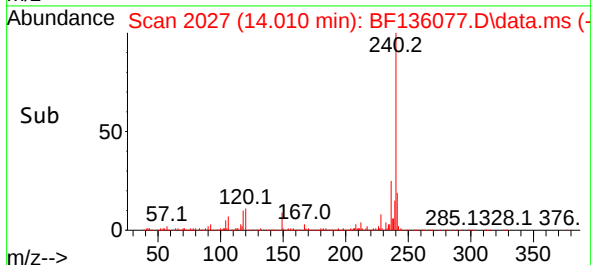
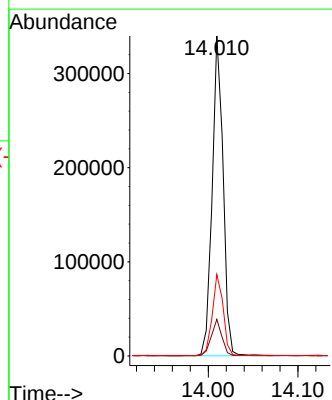
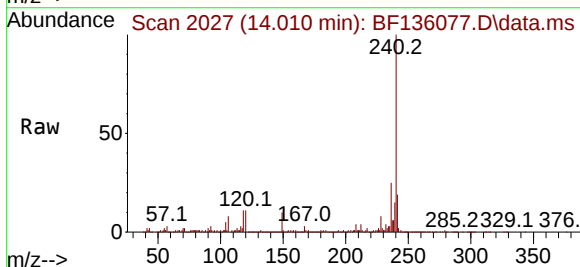
Tgt Ion:240 Resp: 287482

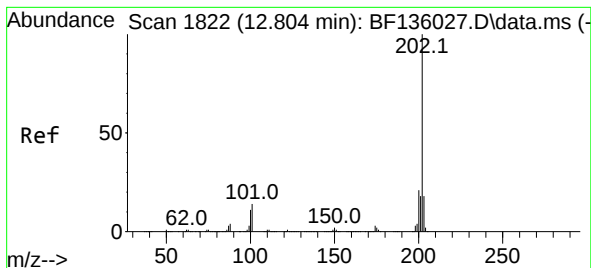
Ion Ratio Lower Upper

240 100

120 11.5 7.6 11.4#

236 25.4 20.6 31.0





#78

Pyrene

Concen: 6.607 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

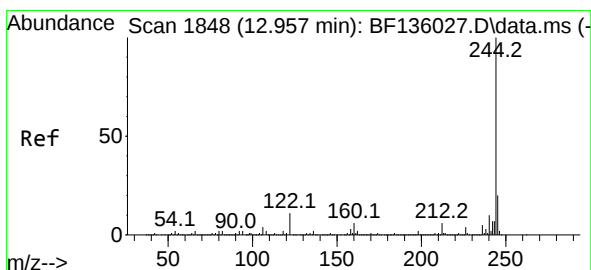
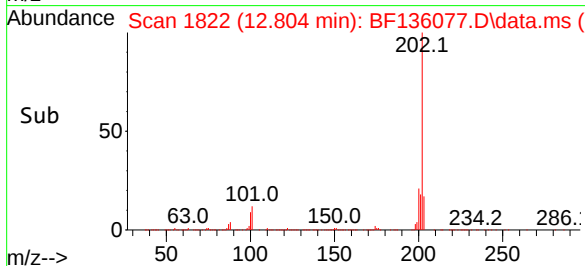
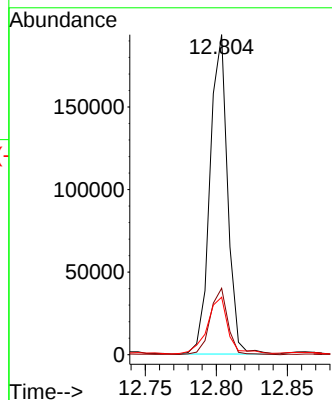
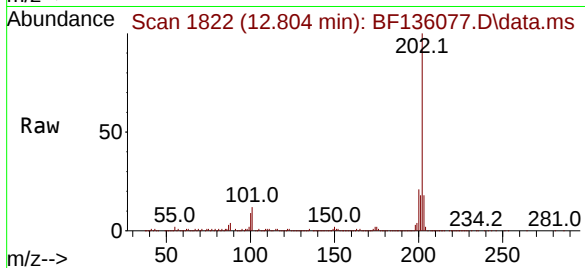
Tgt Ion:202 Resp: 167461

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 18.0 14.4 21.6



#79

Terphenyl-d14

Concen: 48.903 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

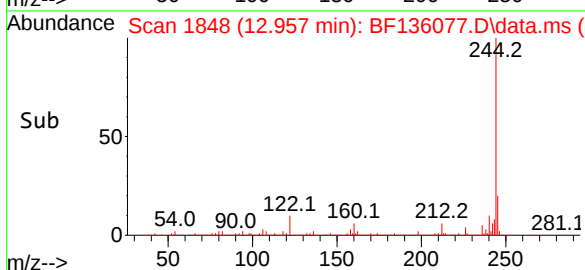
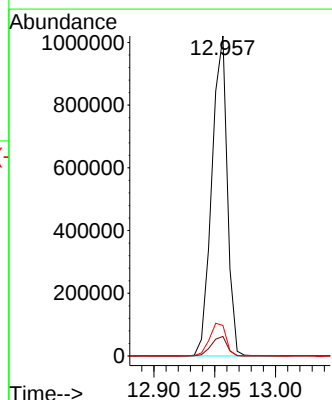
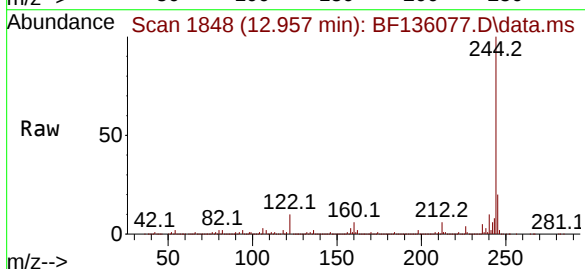
Tgt Ion:244 Resp: 904665

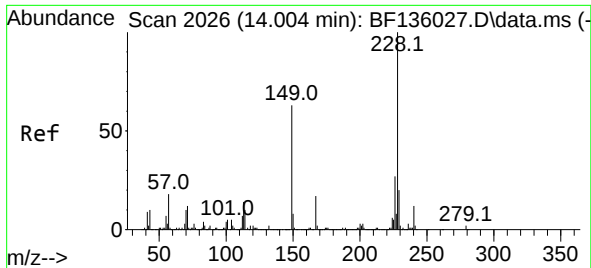
Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 9.5 8.6 12.8

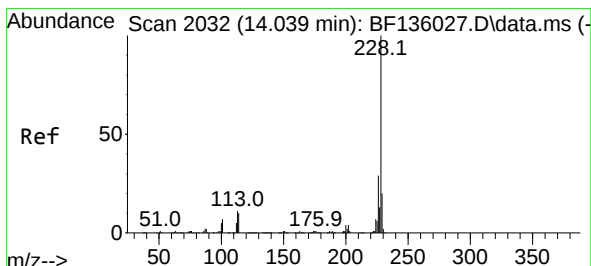
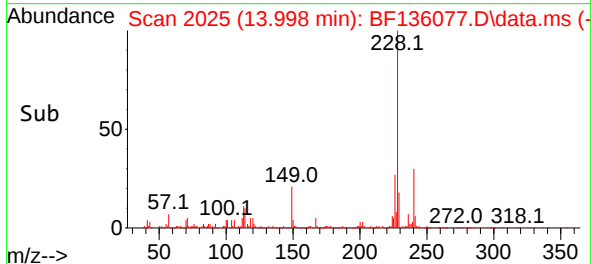
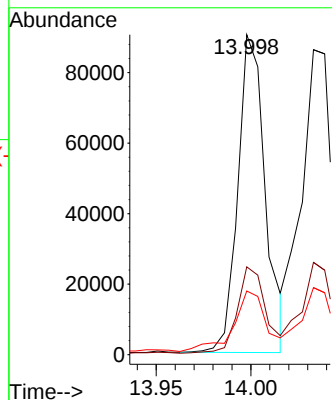
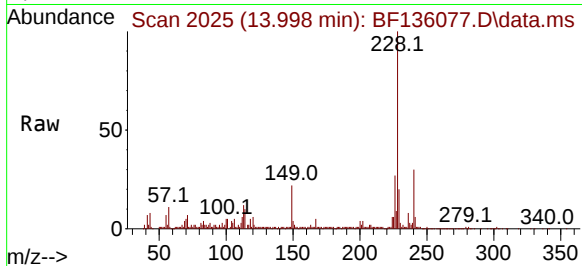




#81
Benzo(a)anthracene
Concen: 4.778 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

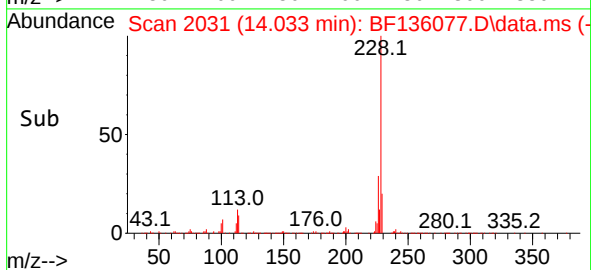
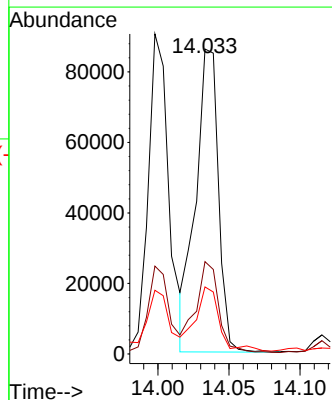
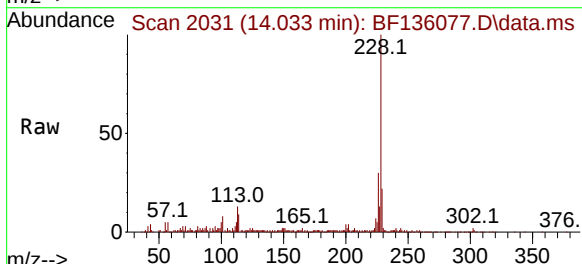
Instrument :
BNA_F
ClientSampleId :
348

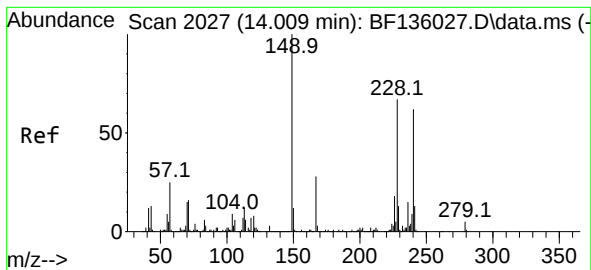
Tgt Ion:228 Resp: 90935
Ion Ratio Lower Upper
228 100
226 27.5 21.5 32.3
229 19.9 15.8 23.6



#83
Chrysene
Concen: 5.130 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:228 Resp: 96147
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 22.0 16.0 24.0

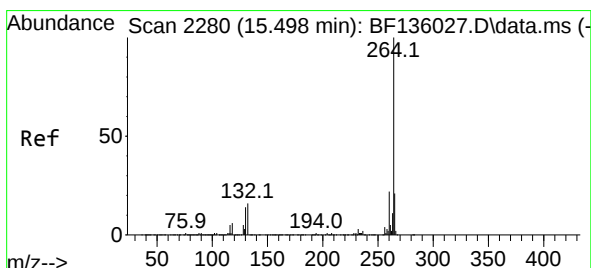
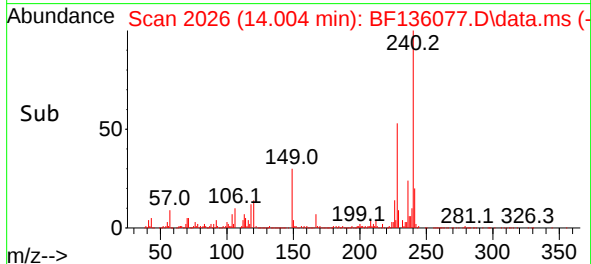
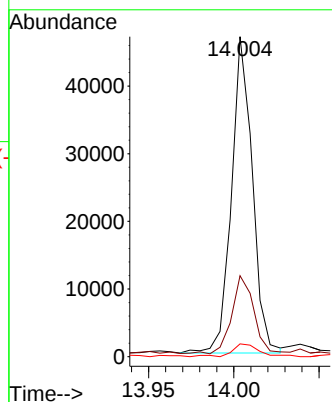
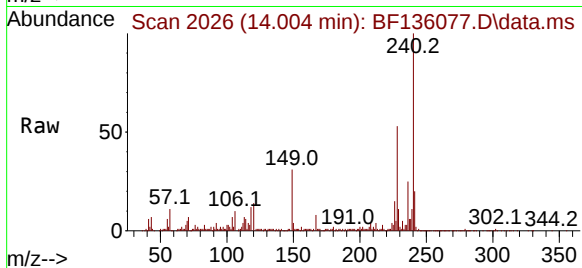




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.785 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

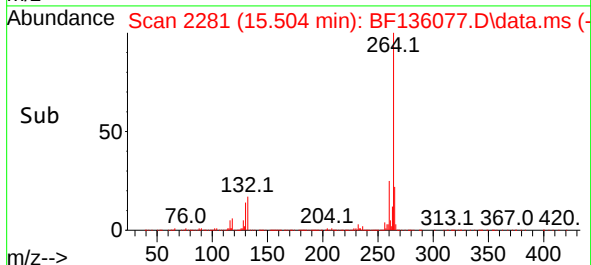
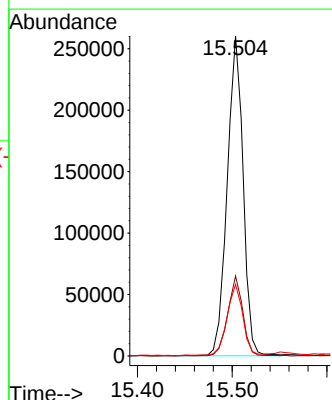
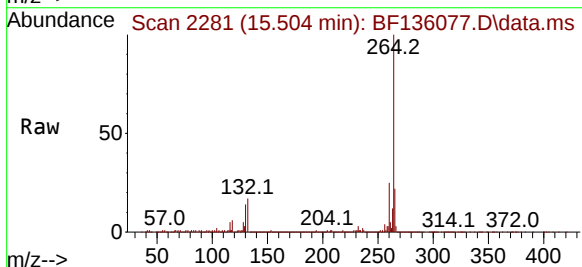
Instrument :
BNA_F
ClientSampleId :
348

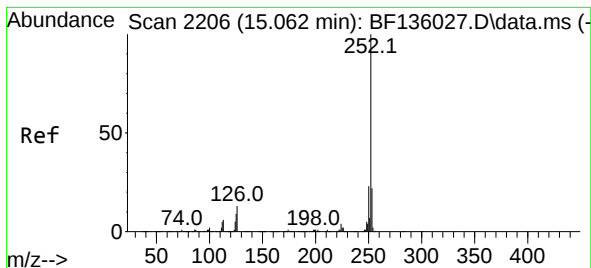
Tgt Ion:149 Resp: 40010
Ion Ratio Lower Upper
149 100
167 25.3 22.6 33.8
279 4.0 4.1 6.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136077.D
Acq: 01 Nov 2023 15:27

Tgt Ion:264 Resp: 303352
Ion Ratio Lower Upper
264 100
260 25.0 17.9 26.9
265 22.3 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 6.572 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

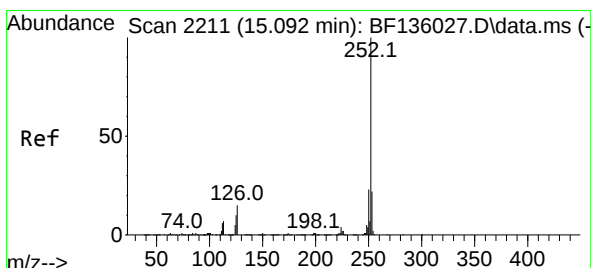
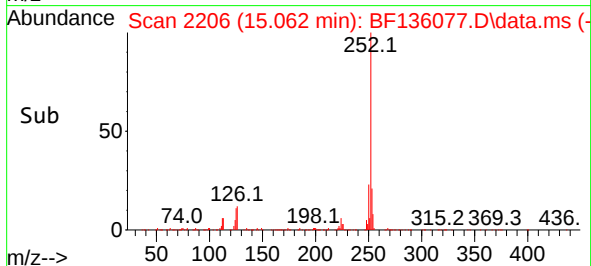
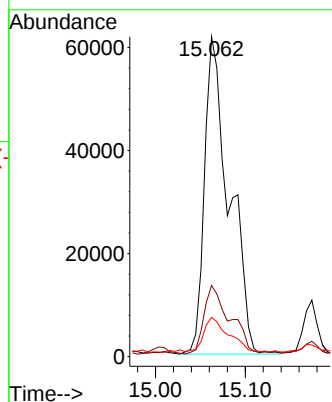
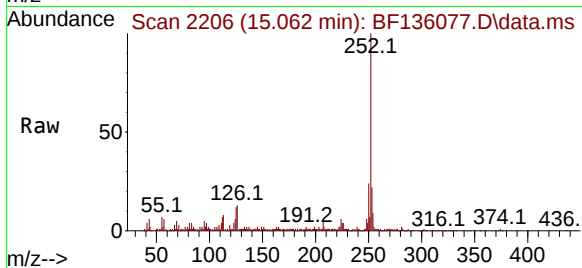
Tgt Ion:252 Resp: 117973

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.3 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 6.642 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

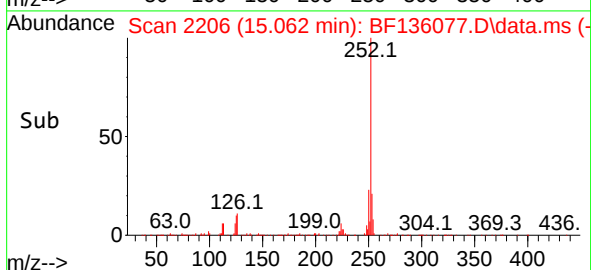
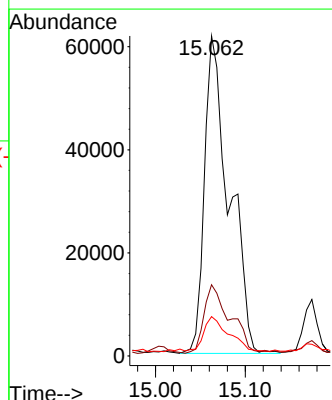
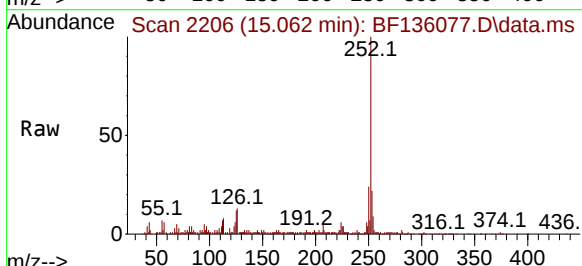
Tgt Ion:252 Resp: 117973

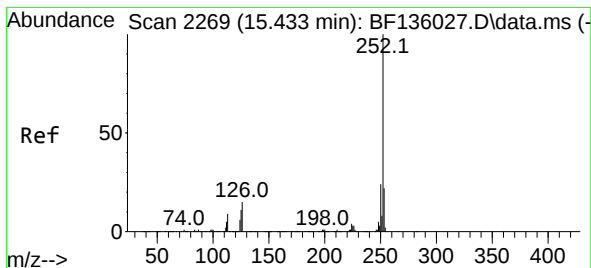
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 12.3 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.799 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Instrument :

BNA_F

ClientSampleId :

348

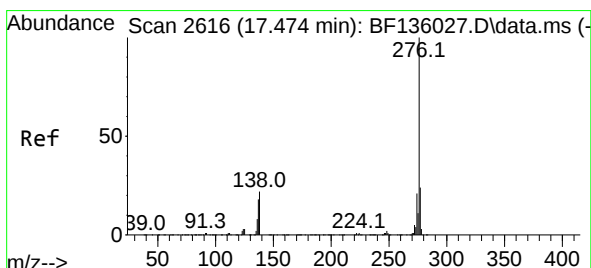
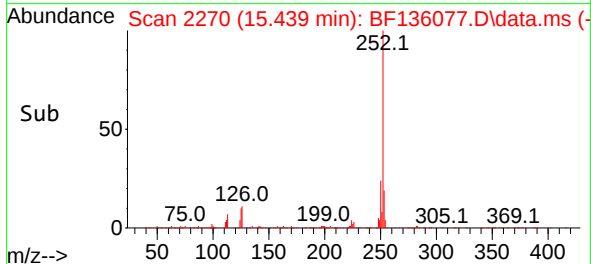
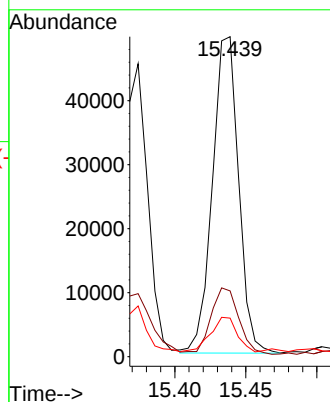
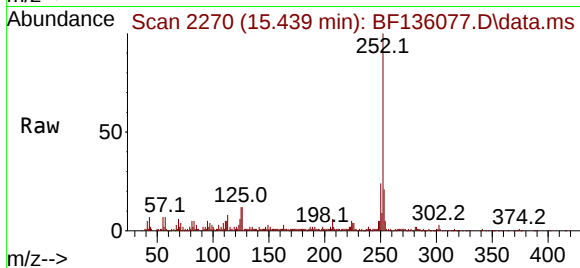
Tgt Ion:252 Resp: 63365

Ion Ratio Lower Upper

252 100

253 20.5 17.3 25.9

125 12.1 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 4.469 ng

RT: 17.462 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF136077.D

Acq: 01 Nov 2023 15:27

Tgt Ion:276 Resp: 30963

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.2 17.4 26.2

