

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126136.D
 Acq On : 11 Nov 2021 20:55
 Operator : JU/CG
 Sample : M4630-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13N-5.0

Quant Time: Nov 12 09:43:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

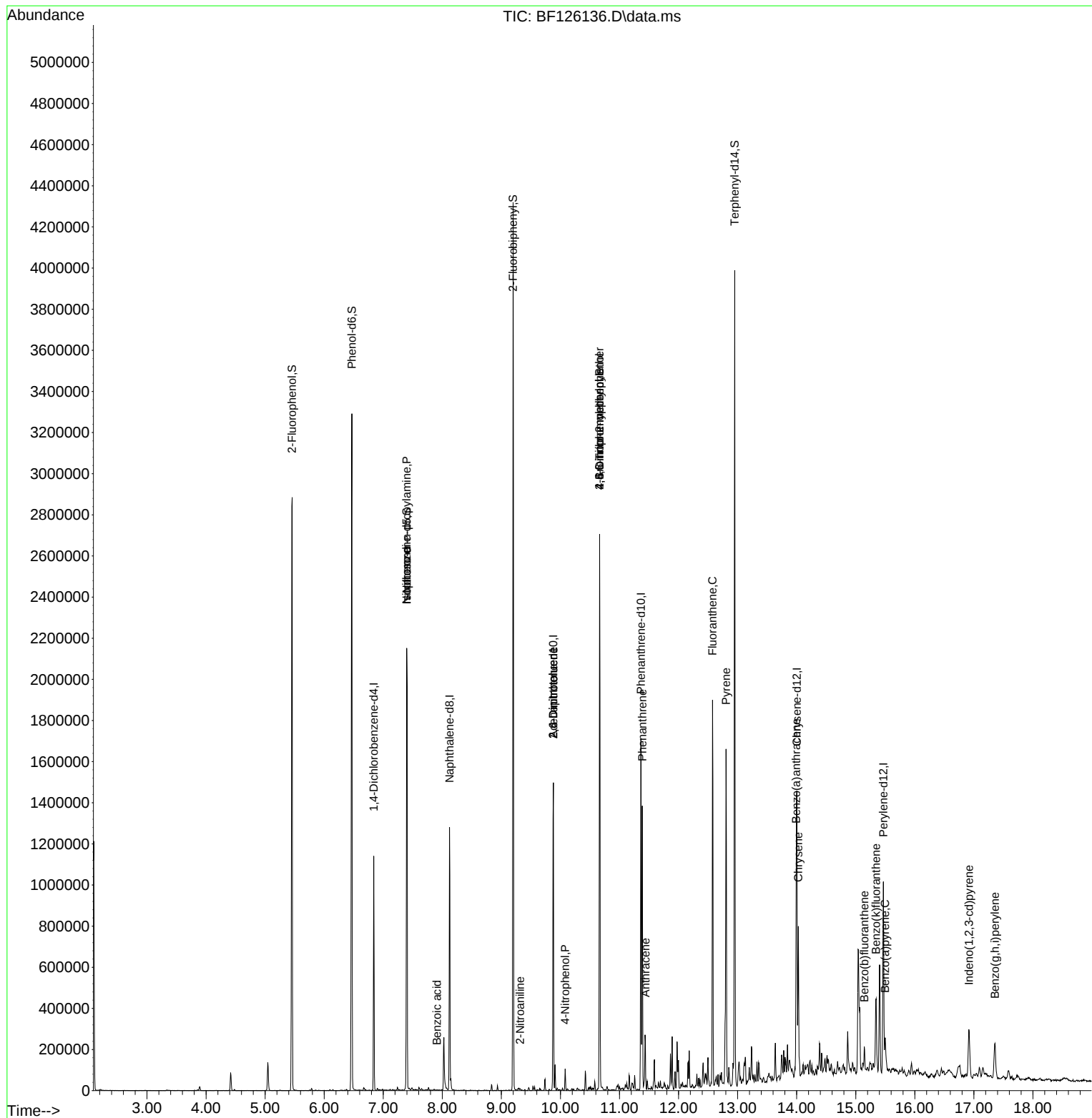
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	136751	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	503426	20.000	ng	#-0.02
39) Acenaphthene-d10	9.880	164	293965	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	536630	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	387080	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	409295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	685383	86.068	ng	0.00
7) Phenol-d6	6.469	99	917930	81.771	ng	-0.02
23) Nitrobenzene-d5	7.398	82	662234	62.037	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	274726	81.549	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1162161	53.425	ng	-0.02
79) Terphenyl-d14	12.951	244	1151987	47.991	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.386	77	111	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.398	70	95706	12.933	ng	# 64
25) Isophorone	7.398	82	659164	34.297	ng	# 59
32) Benzoic acid	7.910	122	205	9.180	ng	# 1
48) 2-Nitroaniline	9.316	65	116	2.868	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	37952	10.346	ng	# 28
56) 4-Nitrophenol	10.080	139	12939	4.359	ng	# 11
57) 2,4-Dinitrotoluene	9.880	165	37952	9.873	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.663	198	789	8.569	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	18373	2.827	ng	# 1
71) Phenanthrene	11.386	178	422632	14.523	ng	97
72) Anthracene	11.439	178	84157	2.897	ng	97
75) Fluoranthene	12.574	202	710845	21.935	ng	96
78) Pyrene	12.804	202	646624	20.831	ng	96
81) Benzo(a)anthracene	13.992	228	288151	10.836	ng	96
83) Chrysene	14.027	228	246373	9.957	ng	95
87) Indeno(1,2,3-cd)pyrene	16.915	276	158927	6.560	ng	# 83
88) Benzo(b)fluoranthene	15.145	252	54937	2.064	ng	97
89) Benzo(k)fluoranthene	15.345	252	159947	6.193	ng	99
90) Benzo(a)pyrene	15.498	252	65222	3.110	ng	94
92) Benzo(g,h,i)perylene	17.356	276	138522	7.259	ng	# 80

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

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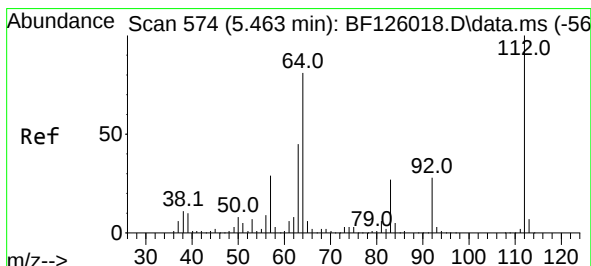
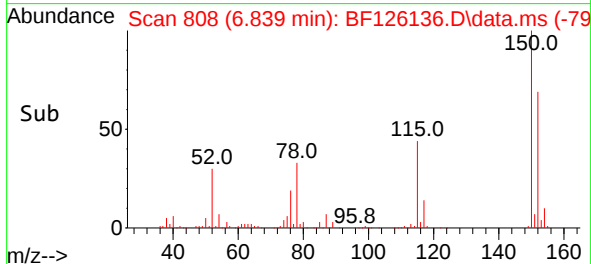
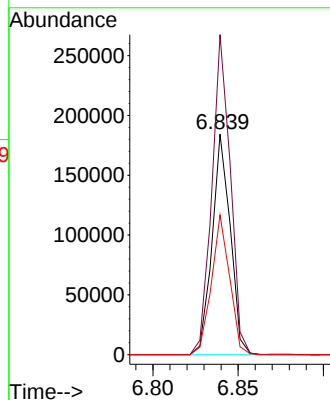
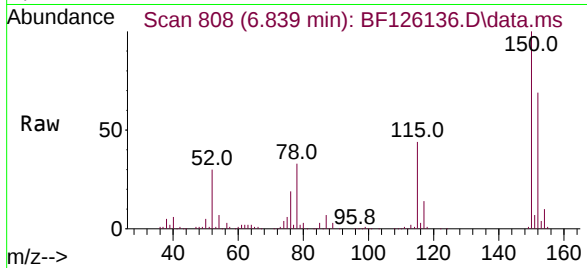




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

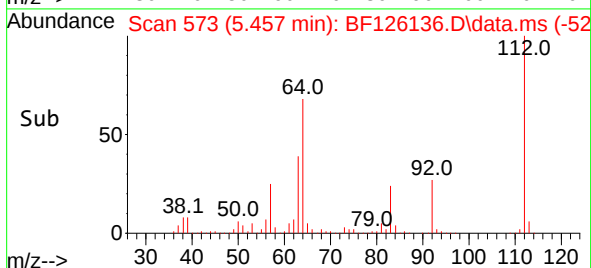
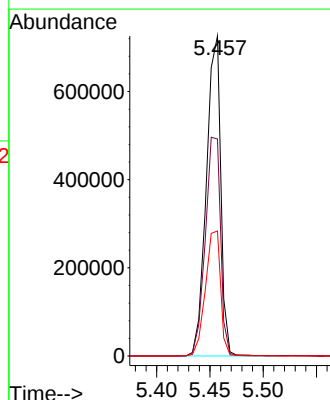
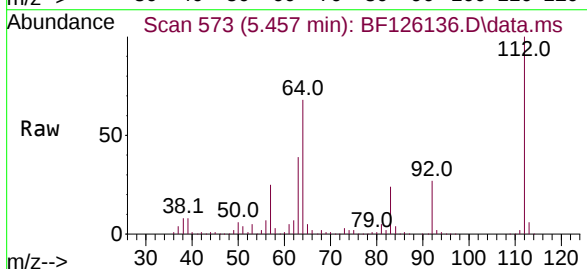
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

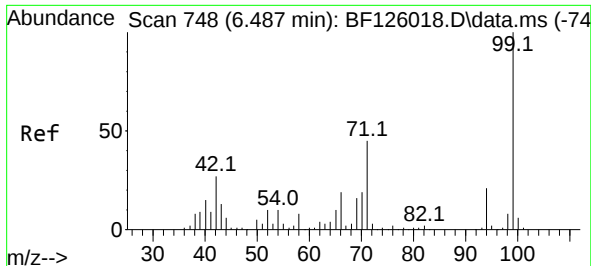
Tgt Ion:152 Resp: 136751
Ion Ratio Lower Upper
152 100
150 145.1 117.6 176.4
115 63.4 47.1 70.7



#5
2-Fluorophenol
Concen: 86.068 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:112 Resp: 685383
Ion Ratio Lower Upper
112 100
64 67.8 44.2 66.2#
63 39.0 26.2 39.2

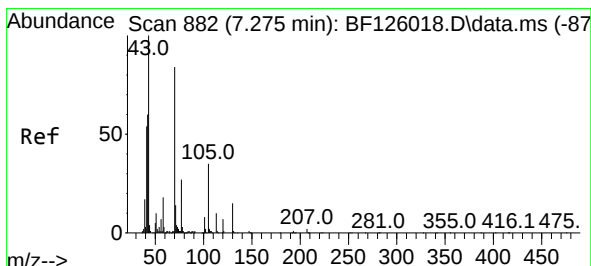
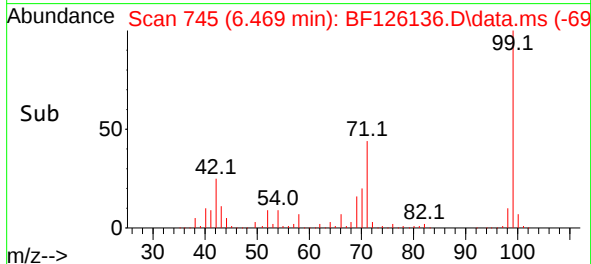
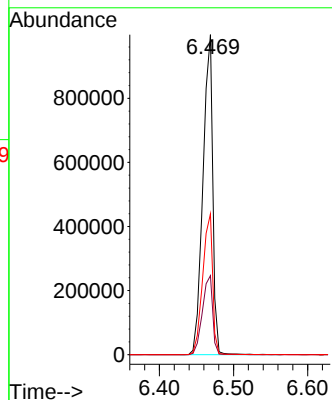
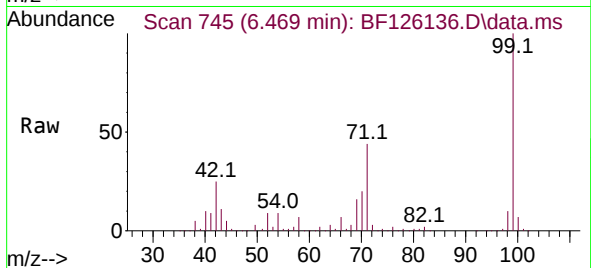




#7
Phenol-d6
Concen: 81.771 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

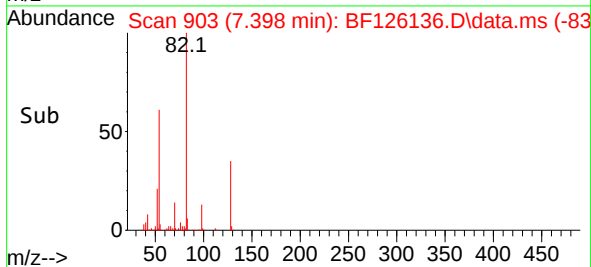
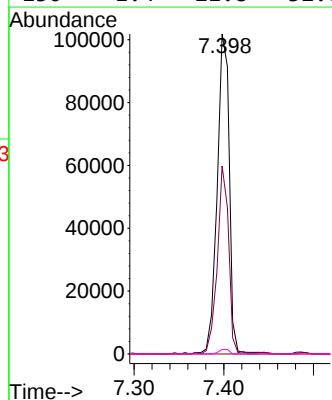
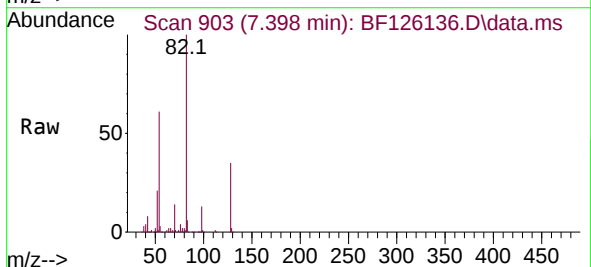
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

Tgt Ion: 99 Resp: 917930
Ion Ratio Lower Upper
99 100
42 24.7 23.5 35.3
71 44.0 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.933 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.123 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

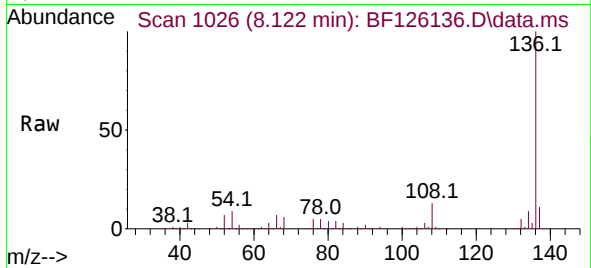
Tgt Ion: 70 Resp: 95706
Ion Ratio Lower Upper
70 100
42 58.8 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#



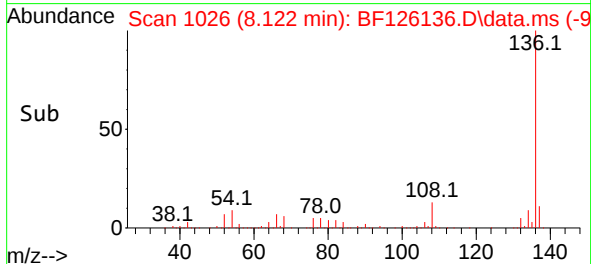
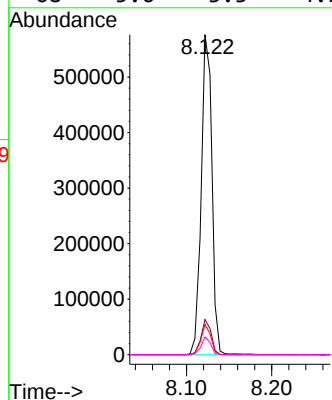


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

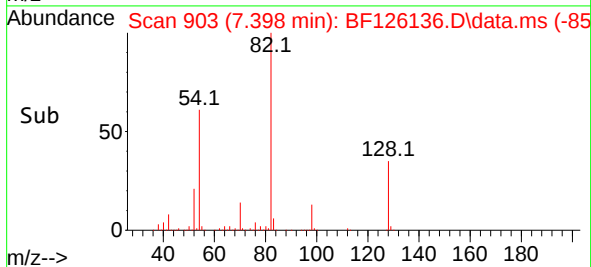
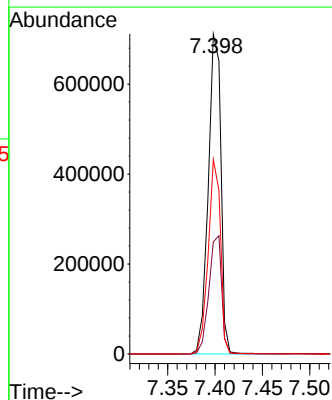
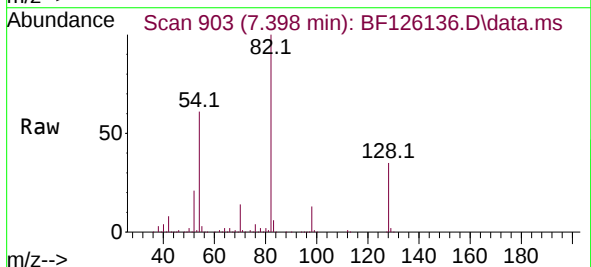


Tgt Ion:136 Resp: 503426
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.4 6.4 9.6
68 5.6 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 62.037 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.024 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion: 82 Resp: 662234
Ion Ratio Lower Upper
82 100
128 35.0 40.6 60.8#
54 60.8 49.6 74.4

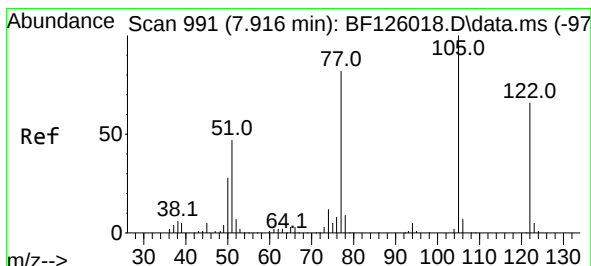
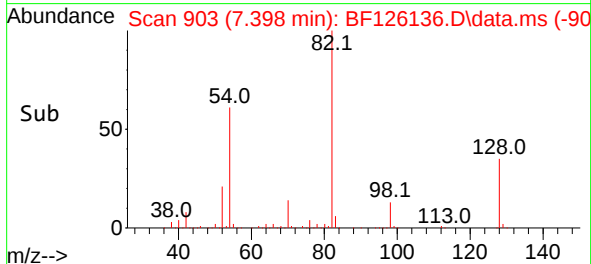
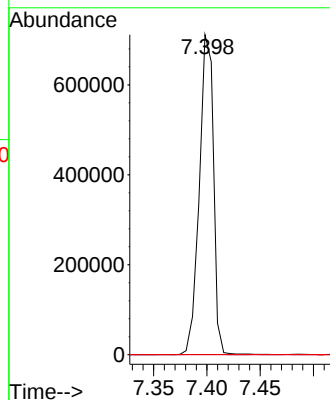
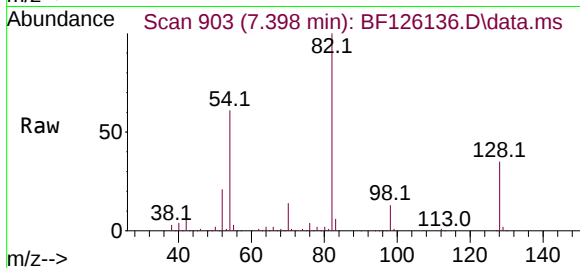




#25
Isophorone
Concen: 34.297 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.283 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

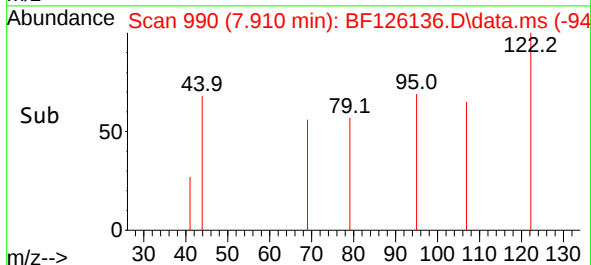
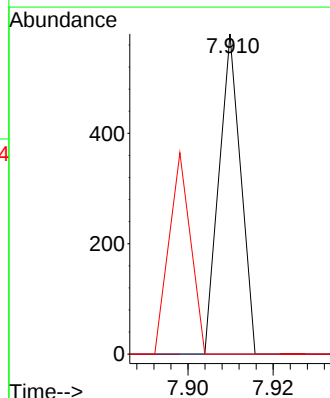
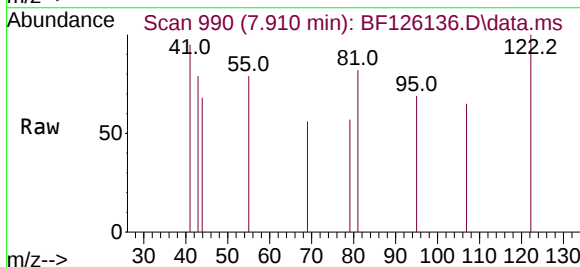
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

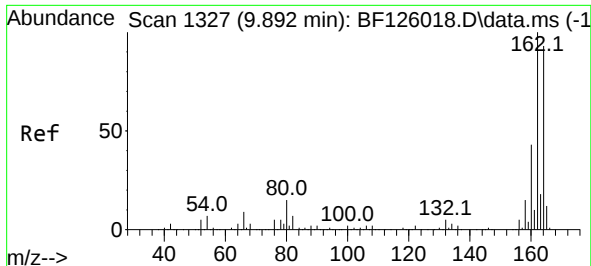
Tgt Ion: 82 Resp: 659164
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.180 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion: 122 Resp: 205
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

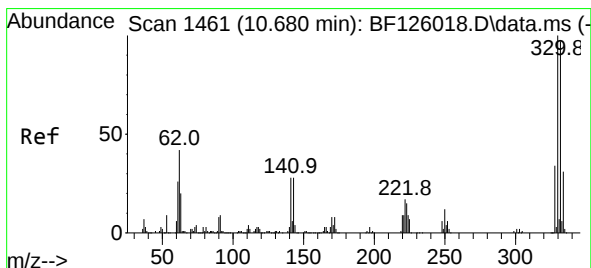
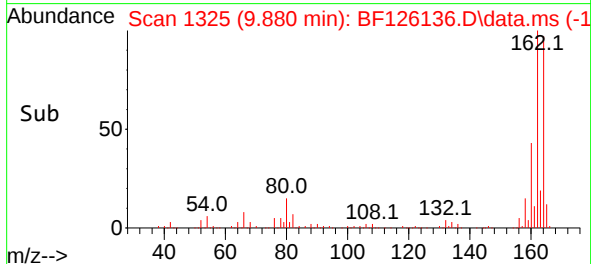
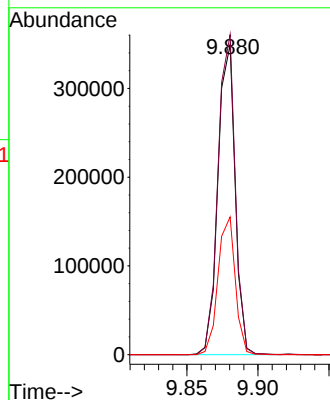
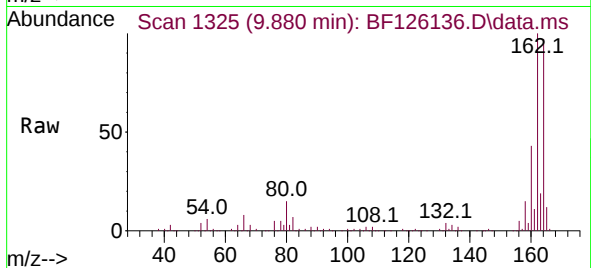
Tgt Ion:164 Resp: 293965

Ion Ratio Lower Upper

164 100

162 103.2 81.3 121.9

160 44.4 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 81.549 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.018 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

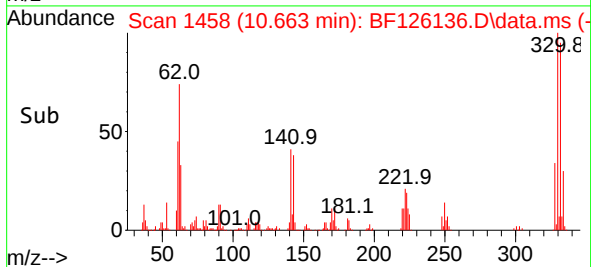
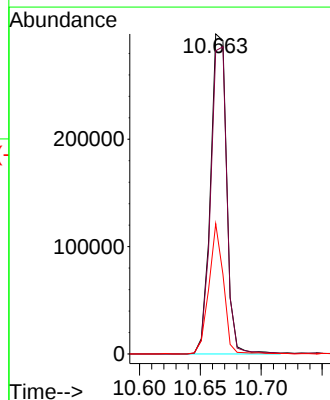
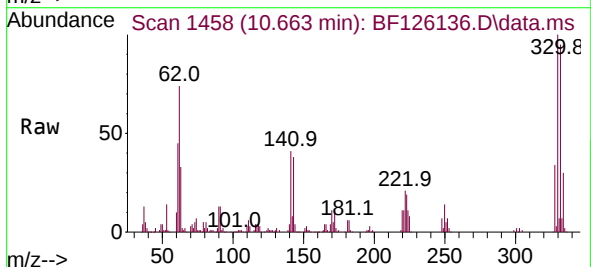
Tgt Ion:330 Resp: 274726

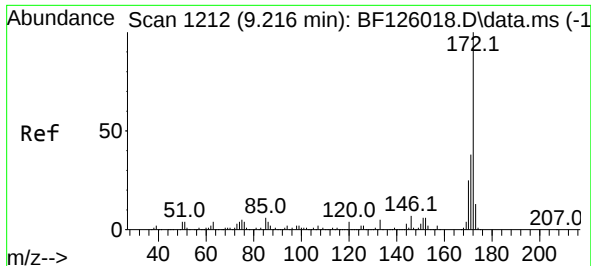
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

141 36.6 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 53.425 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

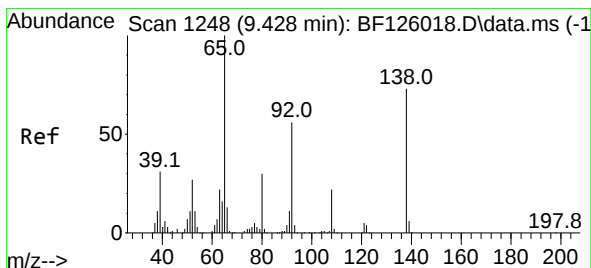
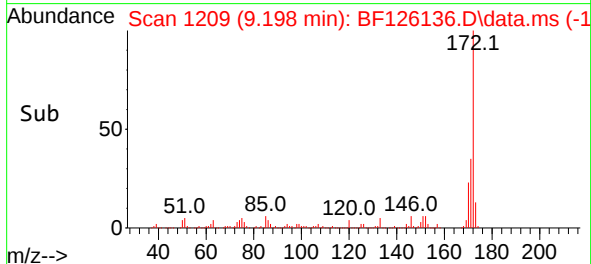
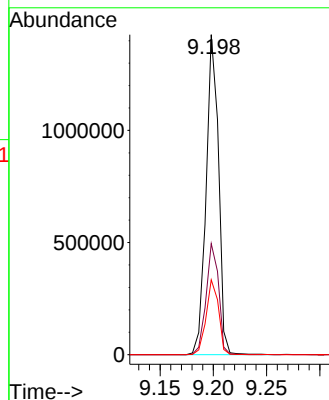
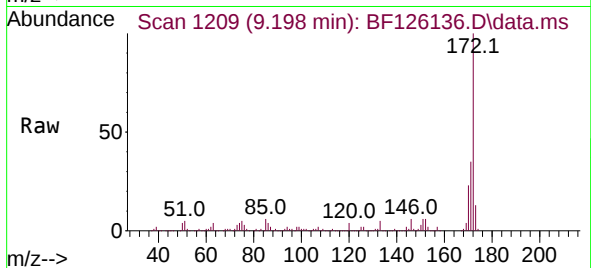
Tgt Ion:172 Resp: 1162161

Ion Ratio Lower Upper

172 100

171 34.7 26.5 39.7

170 23.4 18.8 28.2



#48

2-Nitroaniline

Concen: 2.868 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.112 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

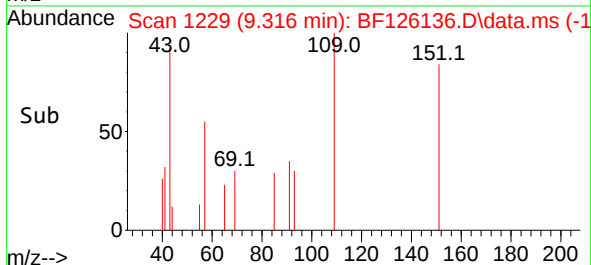
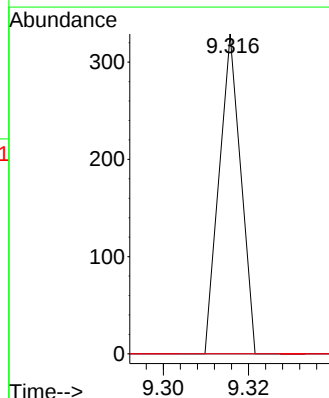
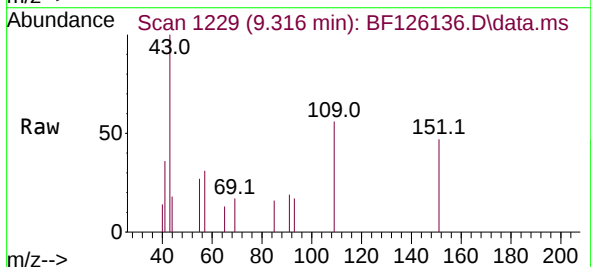
Tgt Ion: 65 Resp: 116

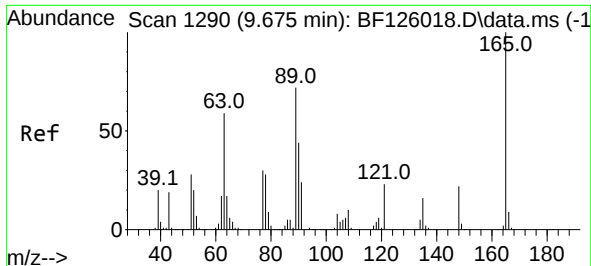
Ion Ratio Lower Upper

65 100

92 0.0 55.5 83.3#

138 0.0 93.5 140.3#

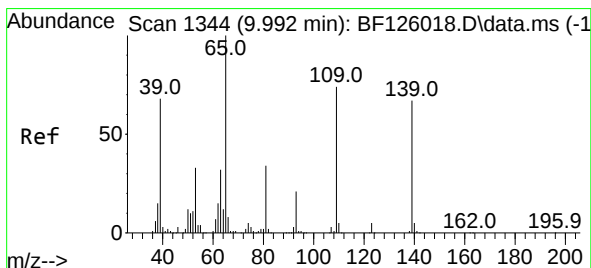
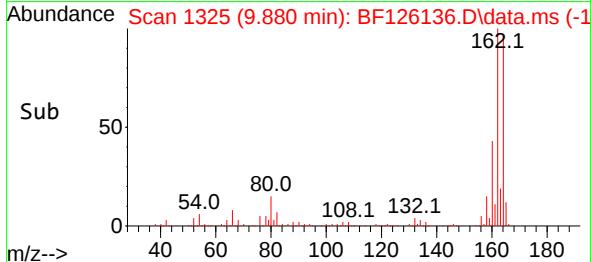
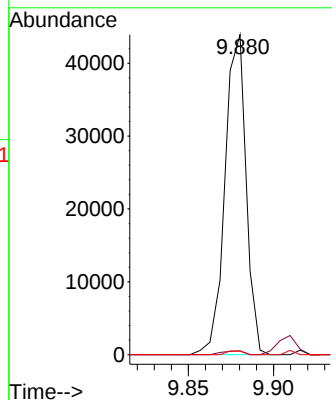
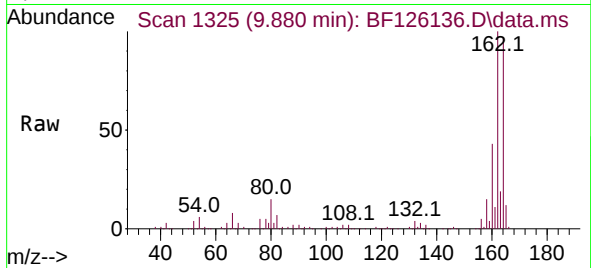




#51
2,6-Dinitrotoluene
Concen: 10.346 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.205 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

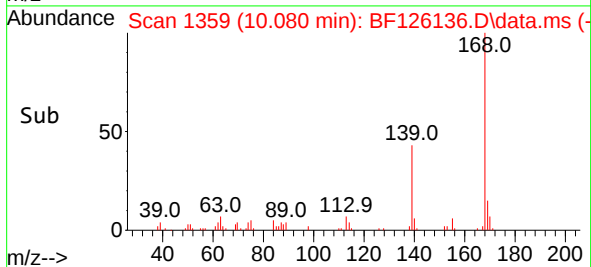
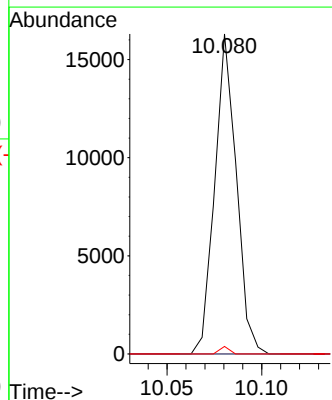
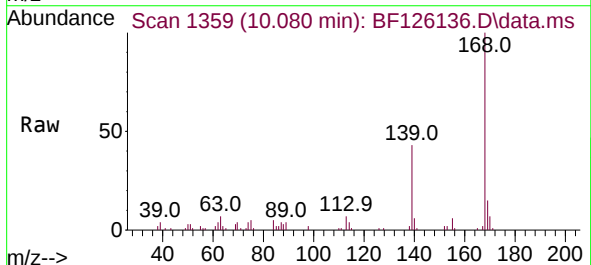
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

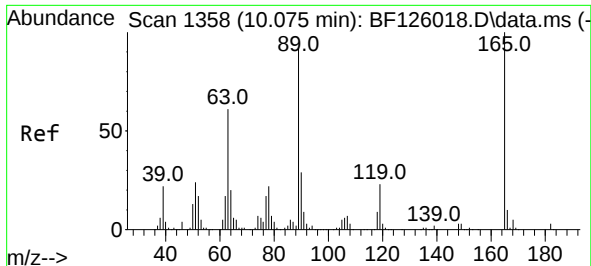
Tgt Ion:165 Resp: 37952
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.1 40.6 60.8#



#56
4-Nitrophenol
Concen: 4.359 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.088 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:139 Resp: 12939
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 2.3 58.4 98.4#

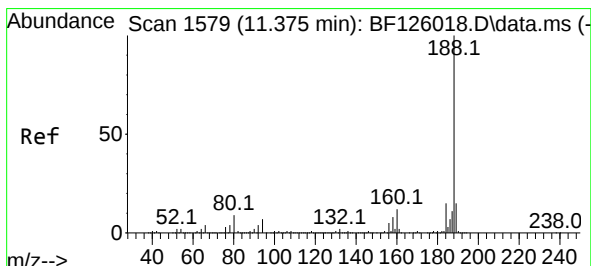
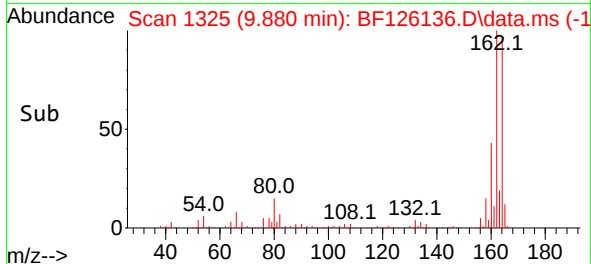
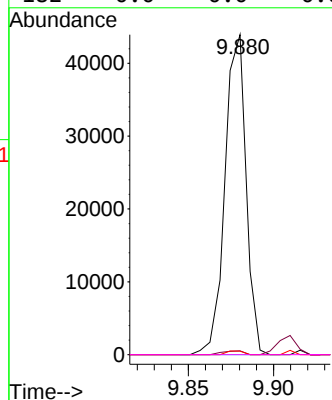
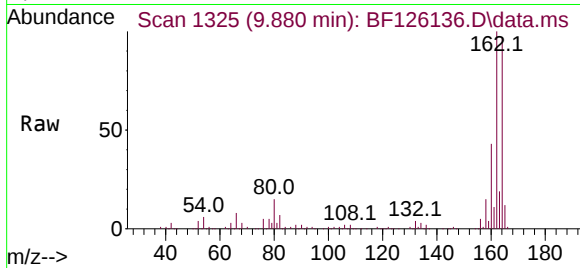




#57
2,4-Dinitrotoluene
Concen: 9.873 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

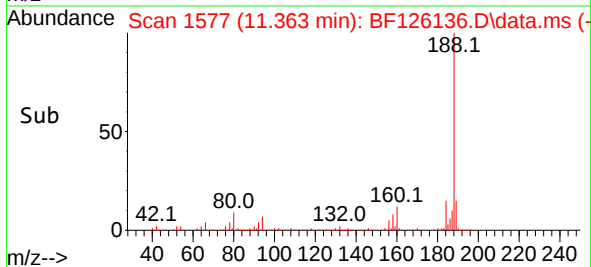
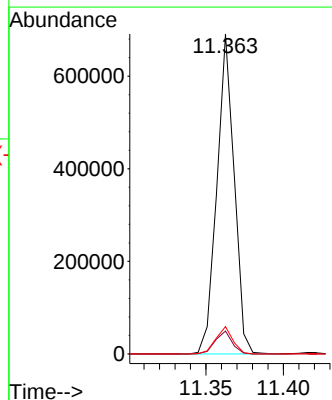
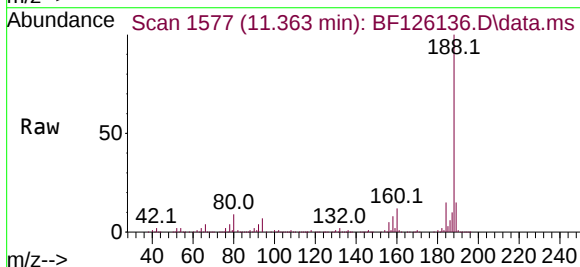
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

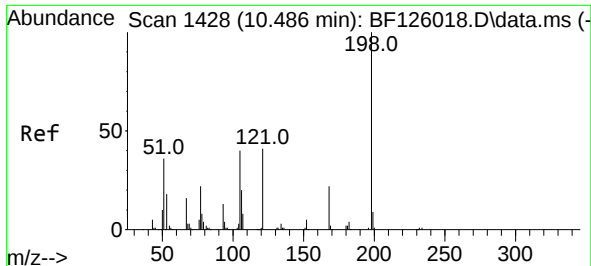
Tgt Ion:165 Resp: 37952
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:188 Resp: 536630
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 8.5 7.5 11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 8.569 ng

RT: 10.663 min Scan# 1428

Delta R.T. 0.177 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

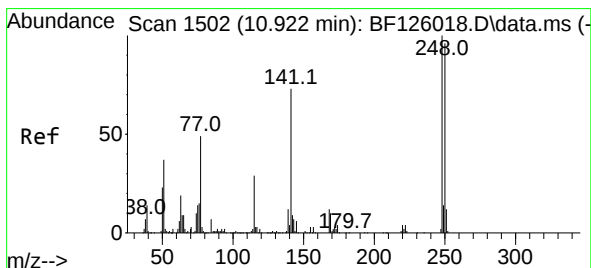
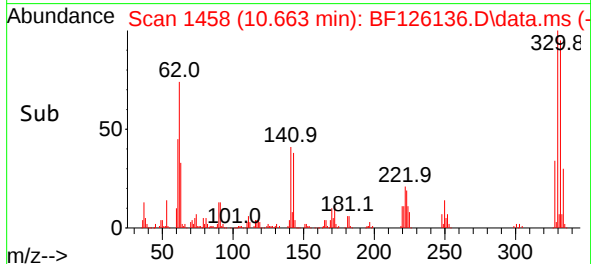
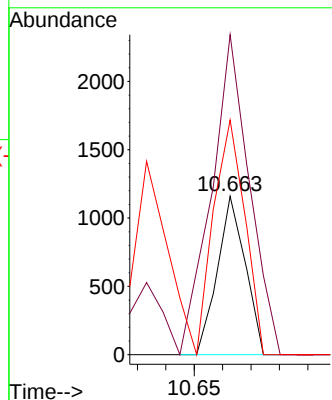
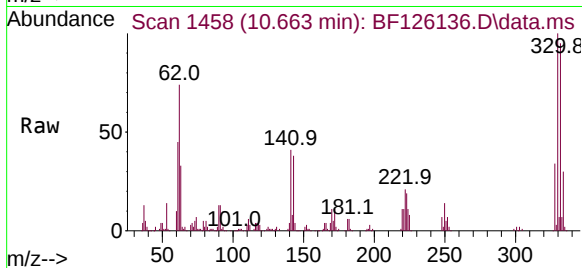
Tgt Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 201.9 45.3 85.3#

105 148.1 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 2.827 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.259 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

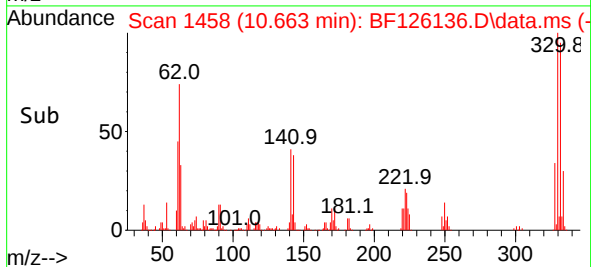
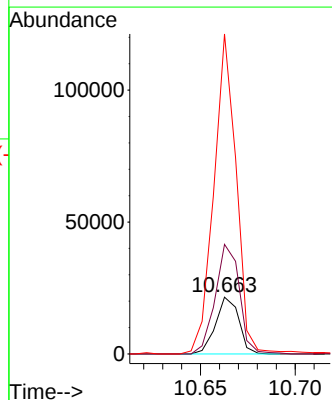
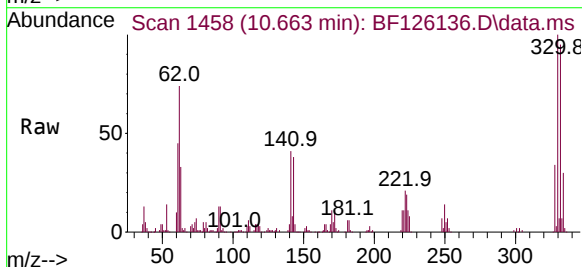
Tgt Ion:248 Resp: 18373

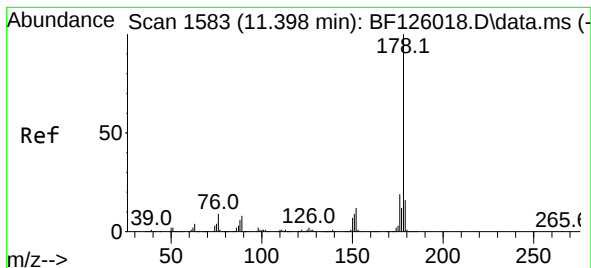
Ion Ratio Lower Upper

248 100

250 193.0 74.2 111.4#

141 563.6 60.4 90.6#





#71

Phenanthrene

Concen: 14.523 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

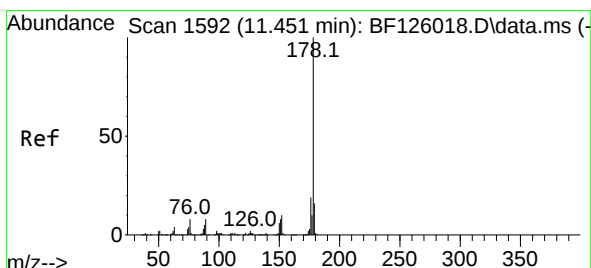
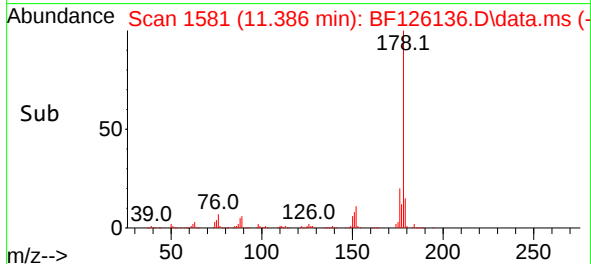
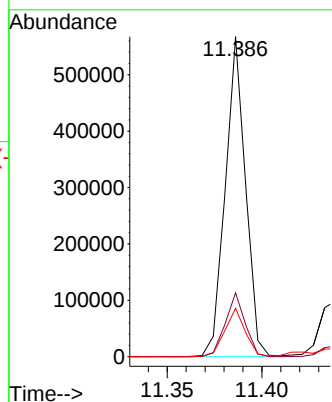
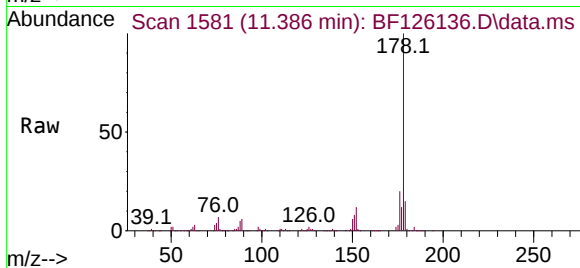
Tgt Ion:178 Resp: 422632

Ion Ratio Lower Upper

178 100

176 20.0 14.7 22.1

179 15.2 11.5 17.3



#72

Anthracene

Concen: 2.897 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

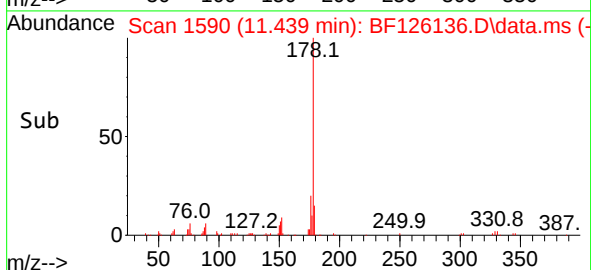
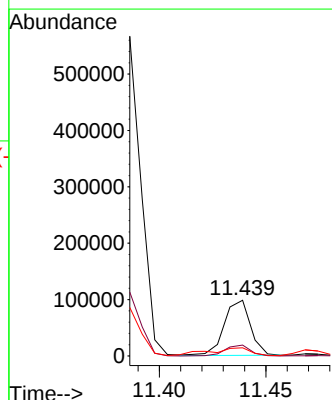
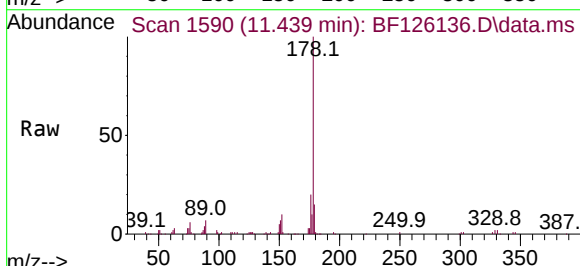
Tgt Ion:178 Resp: 84157

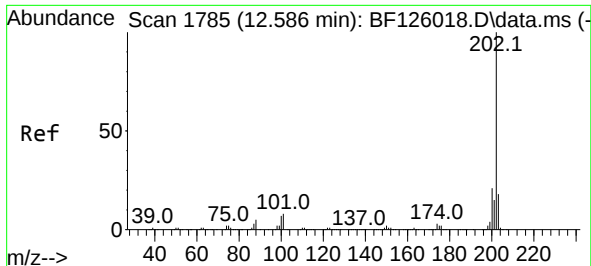
Ion Ratio Lower Upper

178 100

176 19.6 14.3 21.5

179 14.8 12.2 18.4

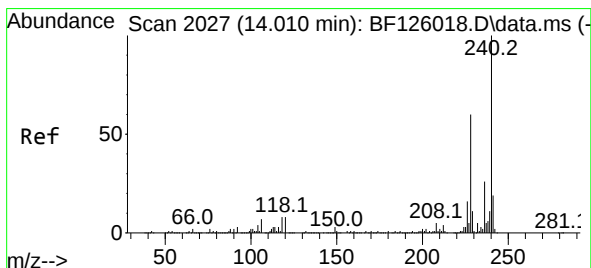
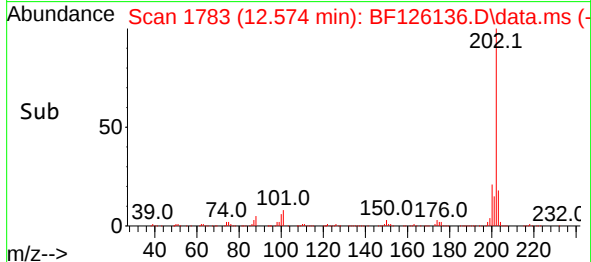
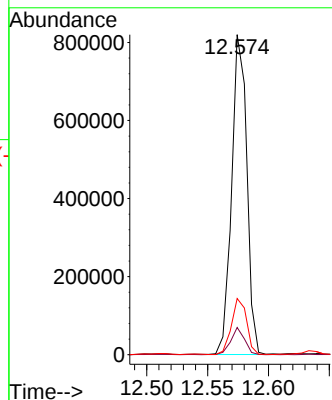
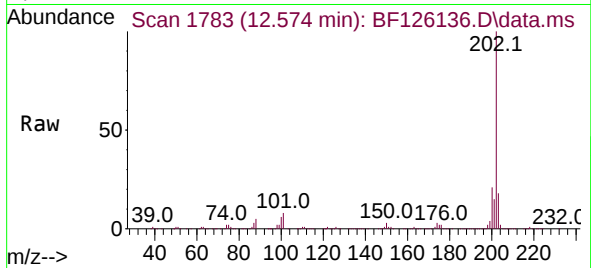




#75
Fluoranthene
Concen: 21.935 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

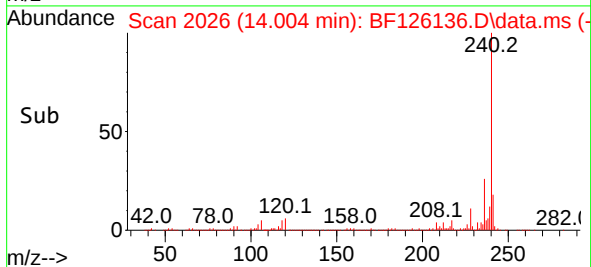
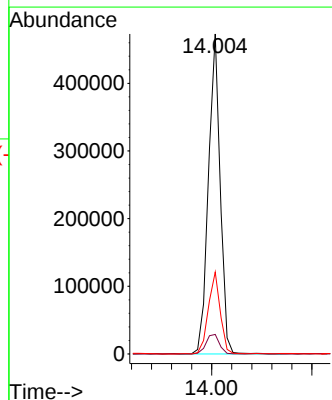
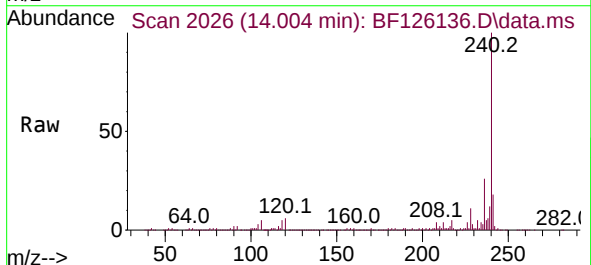
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

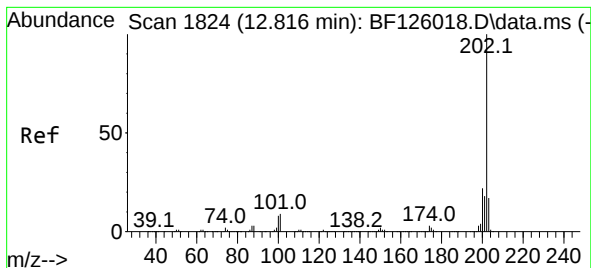
Tgt Ion:202 Resp: 710845
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:240 Resp: 387080
Ion Ratio Lower Upper
240 100
120 6.1 10.8 16.2#
236 25.6 21.6 32.4





#78

Pyrene

Concen: 20.831 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

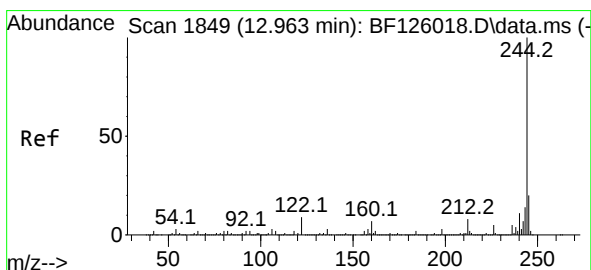
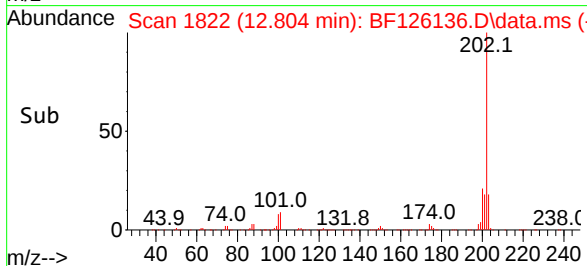
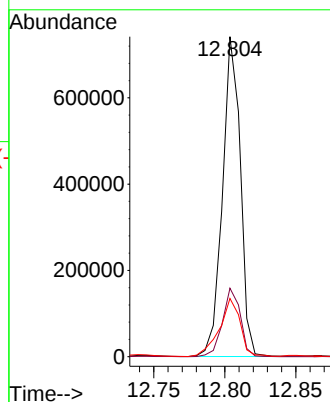
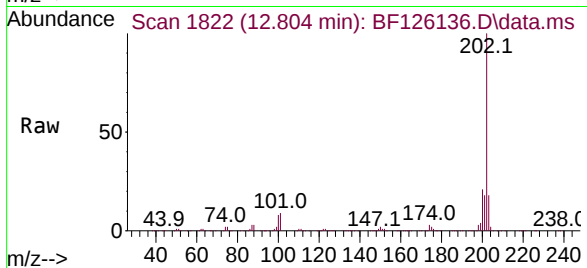
Tgt Ion:202 Resp: 646624

Ion Ratio Lower Upper

202 100

200 21.4 15.3 22.9

203 18.2 13.4 20.0



#79

Terphenyl-d14

Concen: 47.991 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

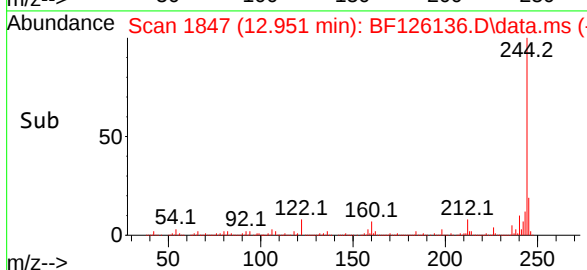
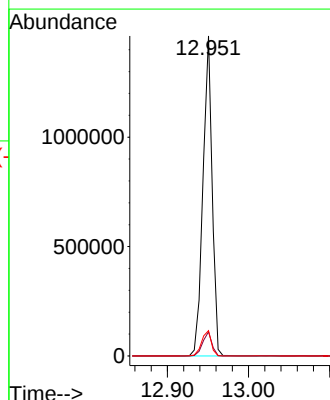
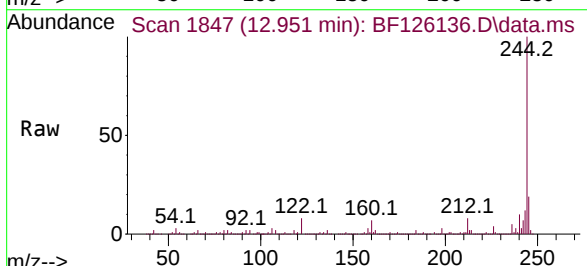
Tgt Ion:244 Resp: 1151987

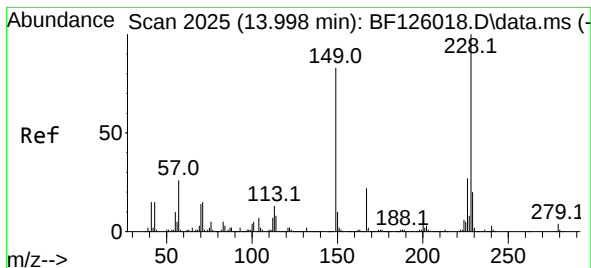
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 7.9 9.0 13.4#

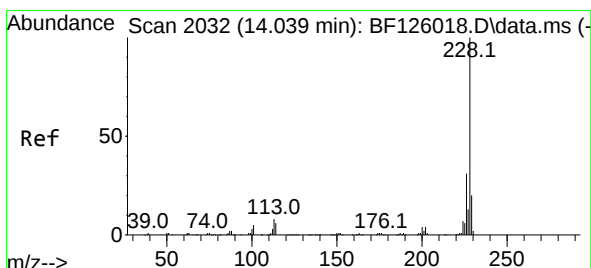
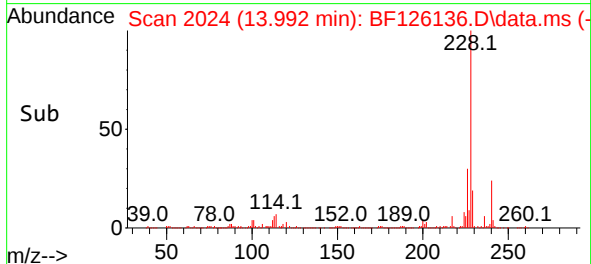
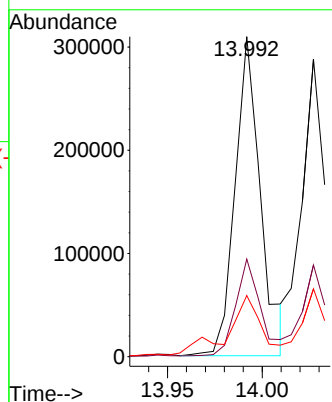
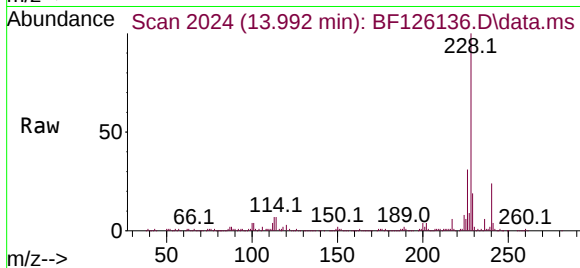




#81
Benzo(a)anthracene
Concen: 10.836 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

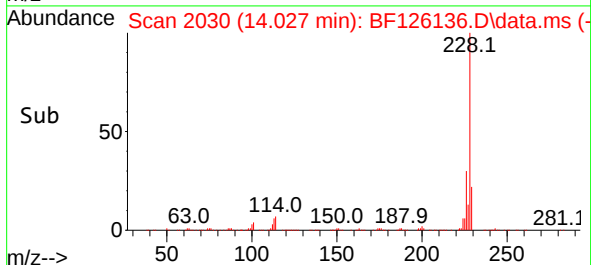
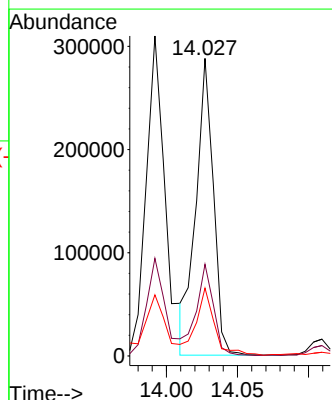
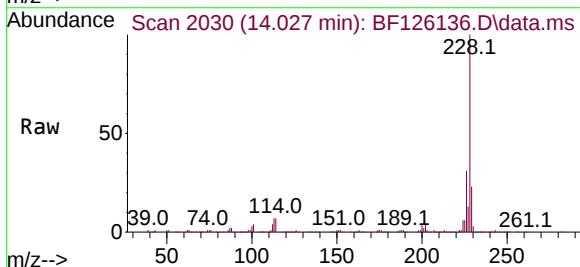
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

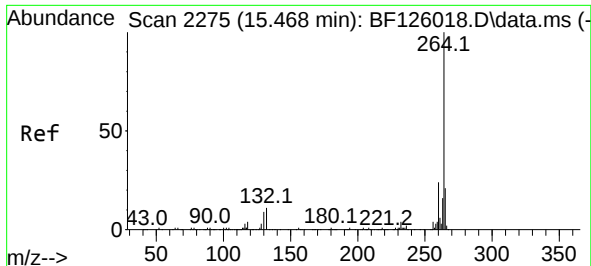
Tgt Ion:228 Resp: 288151
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 19.1 15.6 23.4



#83
Chrysene
Concen: 9.957 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:228 Resp: 246373
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 22.8 15.9 23.9

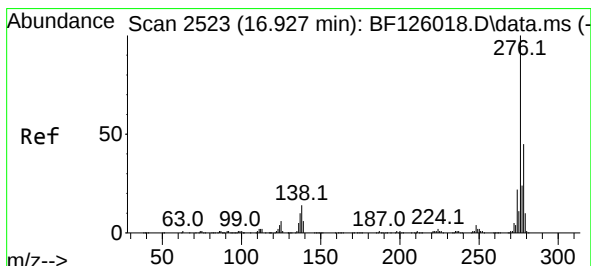
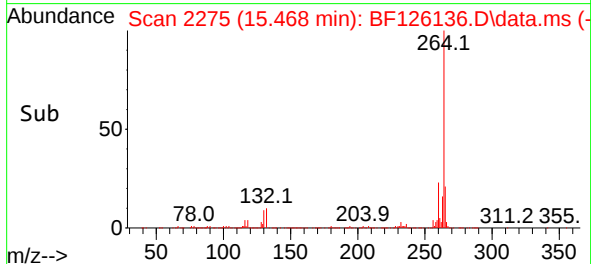
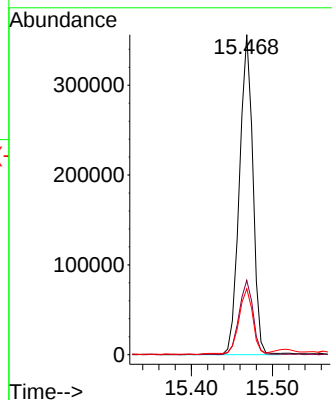
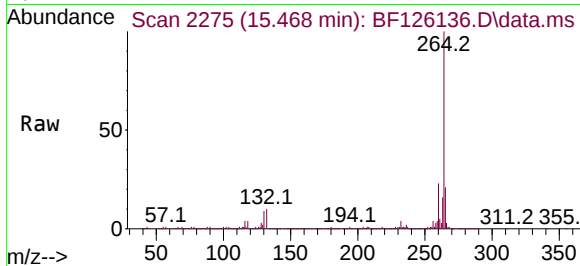




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

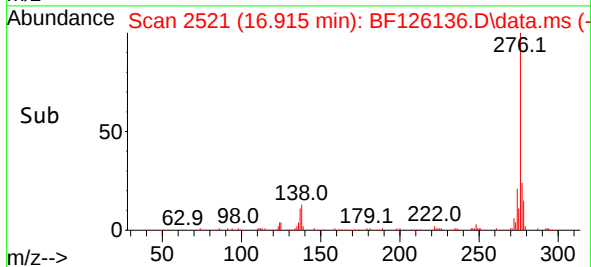
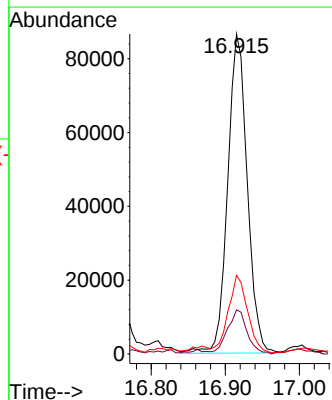
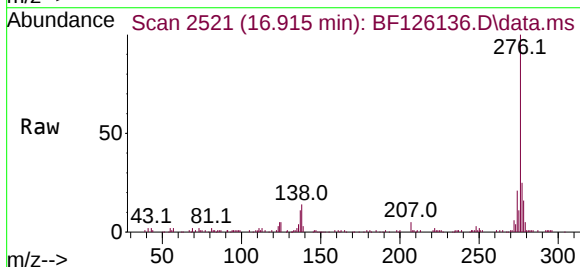
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

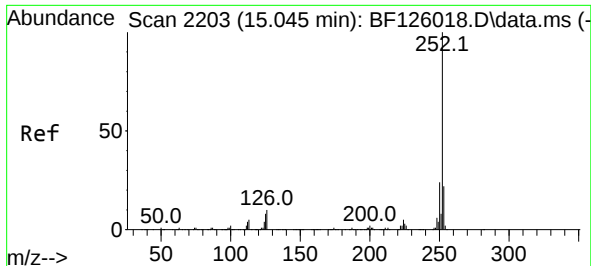
Tgt Ion:264 Resp: 409295
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 20.6 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.560 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:276 Resp: 158927
Ion Ratio Lower Upper
276 100
138 13.8 24.1 36.1#
277 23.8 18.8 28.2

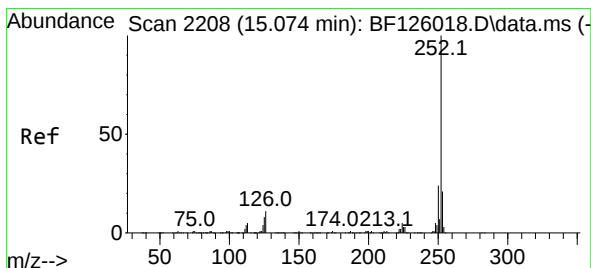
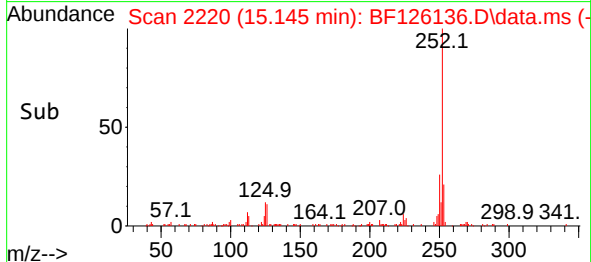
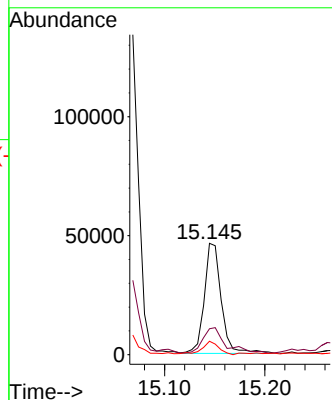
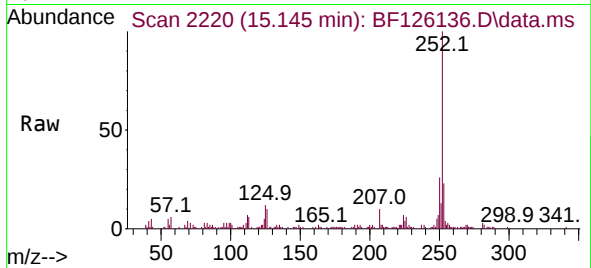




#88
Benzo(b)fluoranthene
Concen: 2.064 ng
RT: 15.145 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

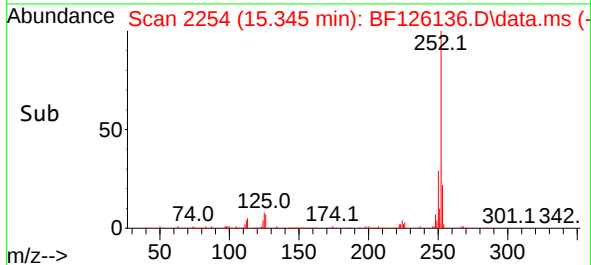
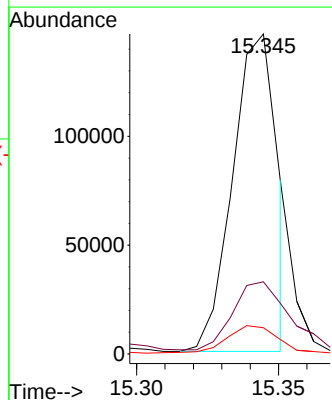
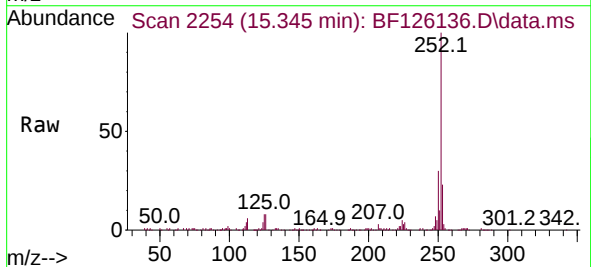
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

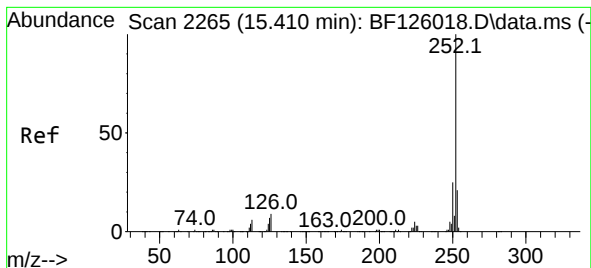
Tgt Ion:252 Resp: 54937
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 12.1 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 6.193 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.270 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:252 Resp: 159947
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 3.110 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

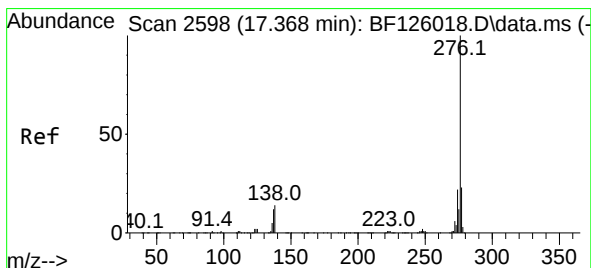
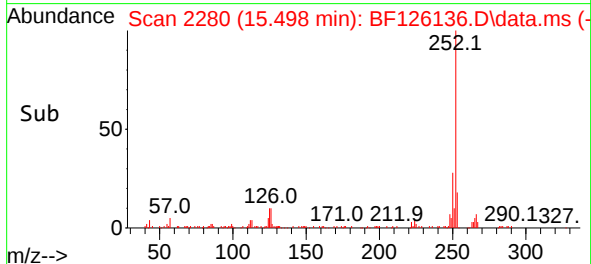
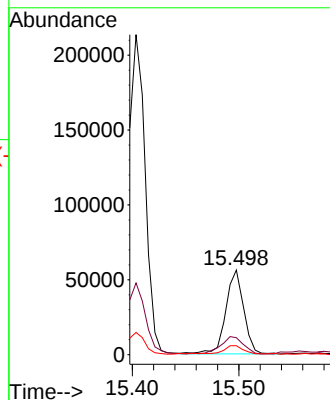
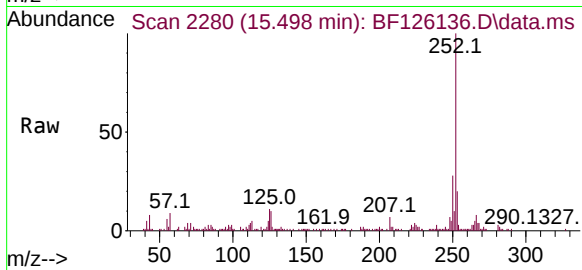
Tgt Ion:252 Resp: 65222

Ion Ratio Lower Upper

252 100

253 20.1 18.4 27.6

125 10.5 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 7.259 ng

RT: 17.356 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF126136.D

Acq: 11 Nov 2021 20:55

Tgt Ion:276 Resp: 138522

Ion Ratio Lower Upper

276 100

277 21.4 22.0 33.0#

138 12.8 22.2 33.4#

