

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126138.D
 Acq On : 11 Nov 2021 21:59
 Operator : JU/CG
 Sample : M4639-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-5/5.5-6.5

Quant Time: Nov 12 09:43:59 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)

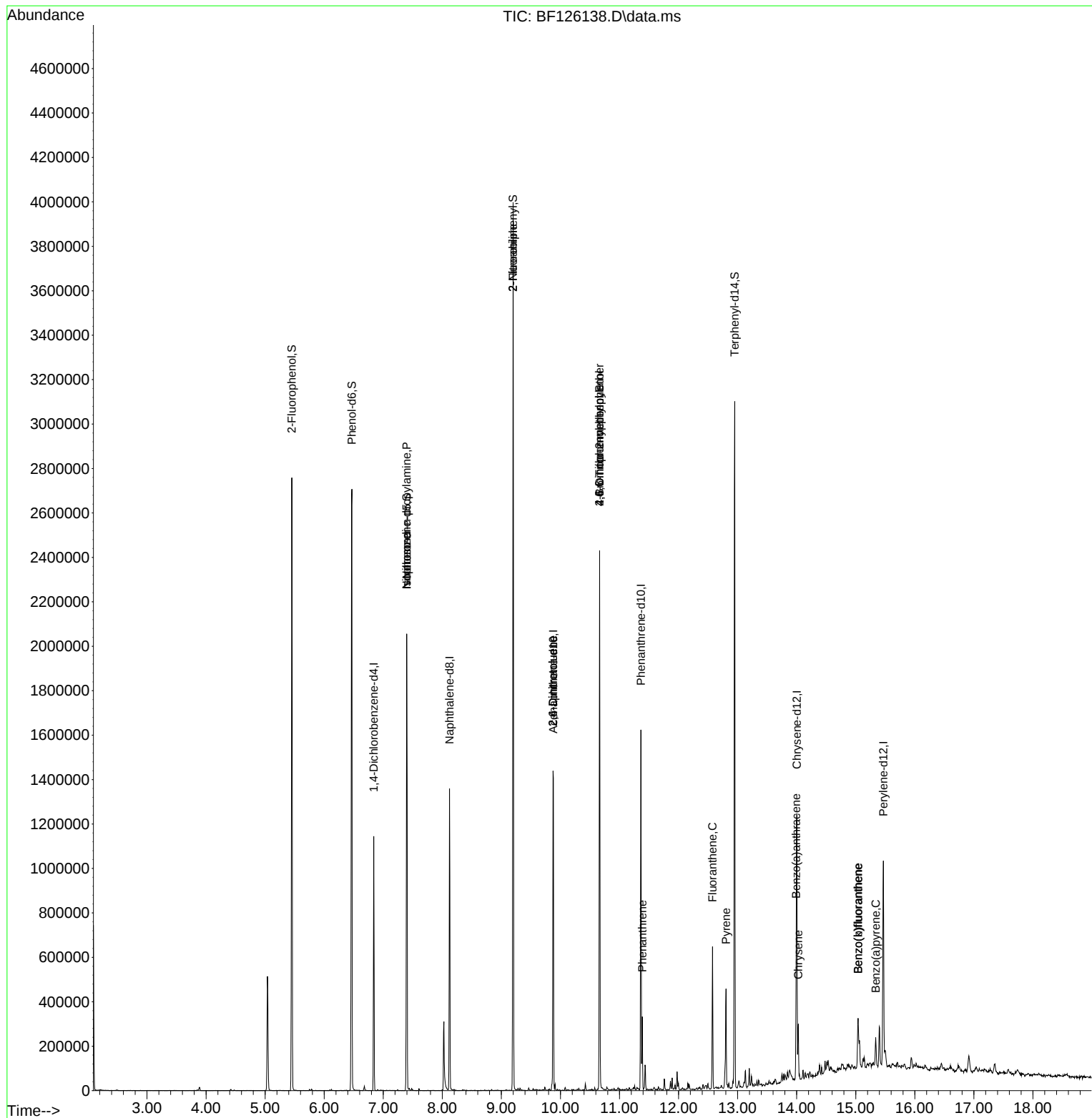
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	135700	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	510136	20.000	ng	#-0.02
39) Acenaphthene-d10	9.880	164	296230	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	518532	20.000	ng	#-0.01
76) Chrysene-d12	14.004	240	384545	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	408320	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	587992	74.410	ng	-0.01
7) Phenol-d6	6.469	99	802887	72.077	ng	-0.02
23) Nitrobenzene-d5	7.398	82	580073	53.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	235803	69.460	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1077412	49.150	ng	-0.02
79) Terphenyl-d14	12.951	244	992928	41.637	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.469	77	1676	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	81567	11.107	ng	# 61
25) Isophorone	7.398	82	580055	29.784	ng	# 59
48) 2-Nitroaniline	9.198	65	2048	3.176	ng	# 8
51) 2,6-Dinitrotoluene	9.875	165	38477	10.409	ng	# 28
57) 2,4-Dinitrotoluene	9.875	165	38477	9.914	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.663	198	745	8.563	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	16065	2.558	ng	# 1
71) Phenanthrene	11.386	178	106845	3.800	ng	99
75) Fluoranthene	12.574	202	224844	7.180	ng	94
78) Pyrene	12.804	202	178990	5.804	ng	98
81) Benzo(a)anthracene	13.992	228	100853	3.818	ng	98
83) Chrysene	14.027	228	96764	3.937	ng	98
88) Benzo(b)fluoranthene	15.039	252	163894	6.171	ng	# 95
89) Benzo(k)fluoranthene	15.039	252	163894	6.361	ng	100
90) Benzo(a)pyrene	15.339	252	54278	2.594	ng	98

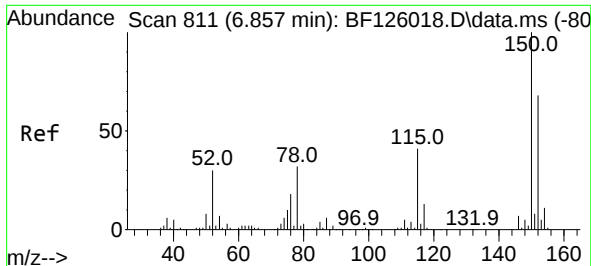
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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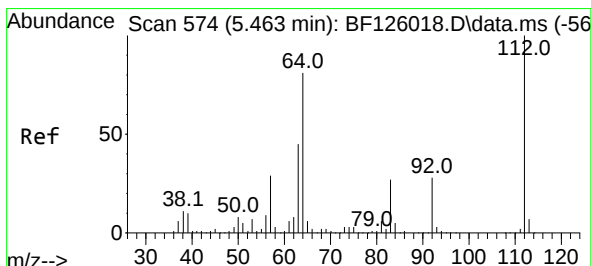
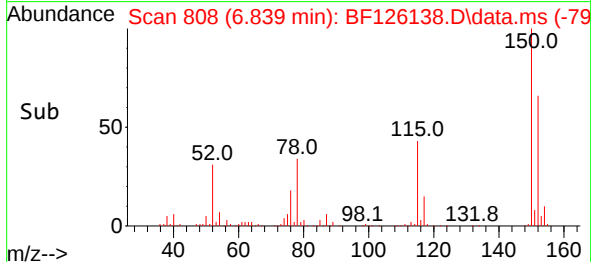
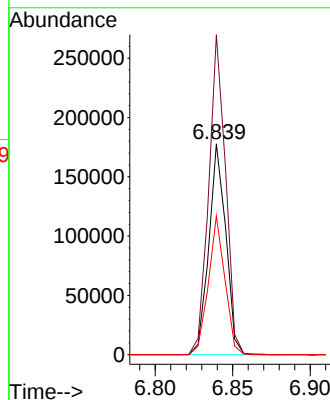
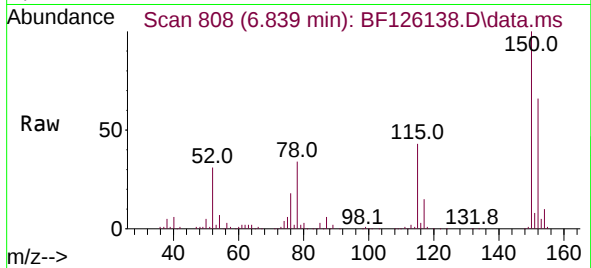




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.018 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

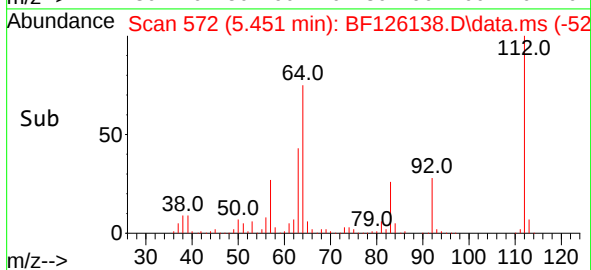
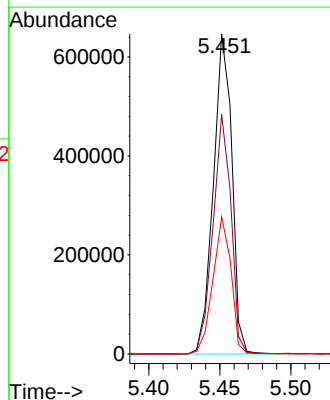
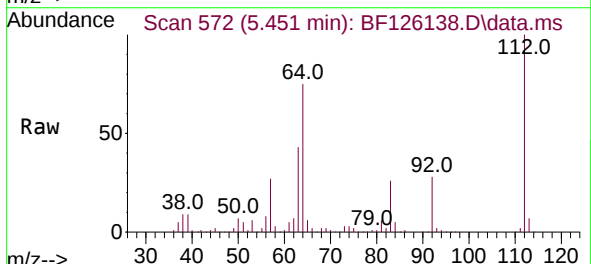
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

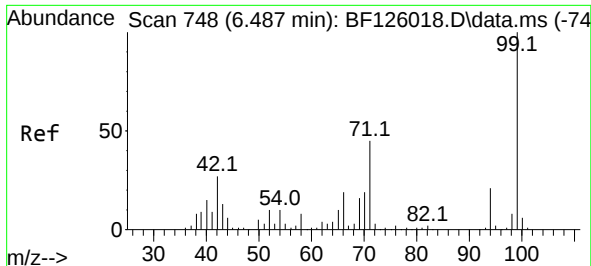
Tgt Ion:152 Resp: 135700
Ion Ratio Lower Upper
152 100
150 151.8 117.6 176.4
115 65.8 47.1 70.7



#5
2-Fluorophenol
Concen: 74.410 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion:112 Resp: 587992
Ion Ratio Lower Upper
112 100
64 74.8 44.2 66.2#
63 42.8 26.2 39.2#

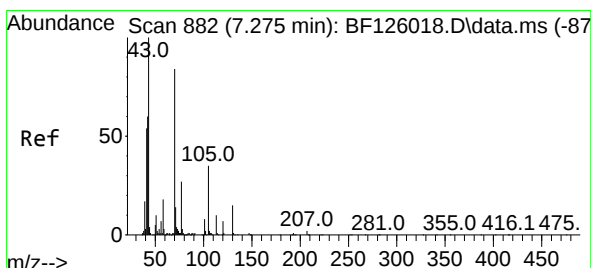
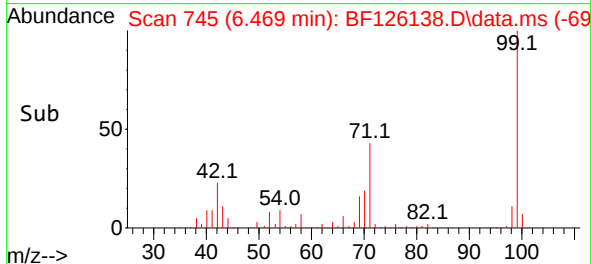
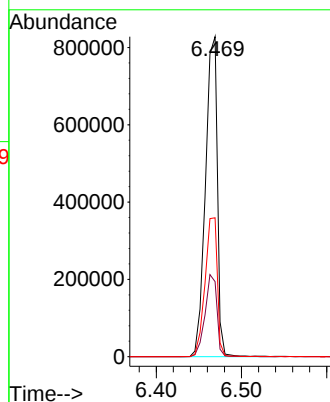
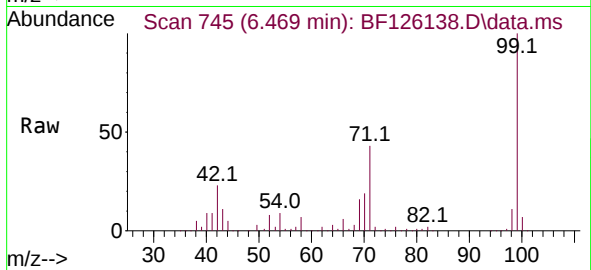




#7
Phenol-d6
Concen: 72.077 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

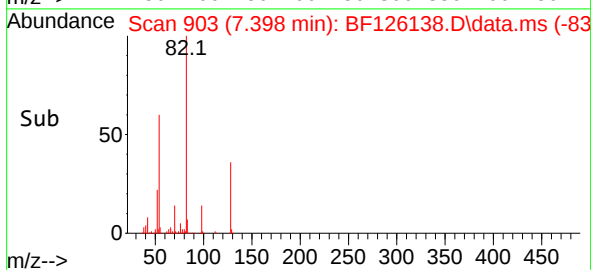
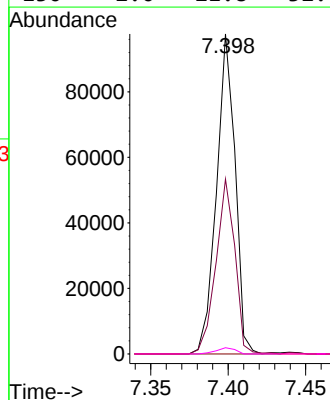
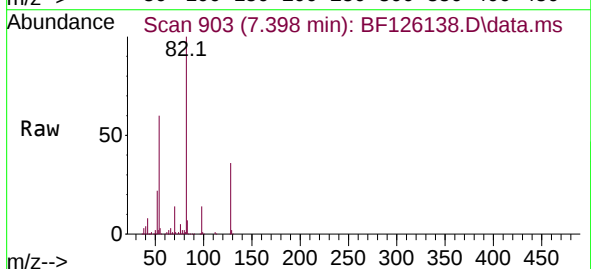
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

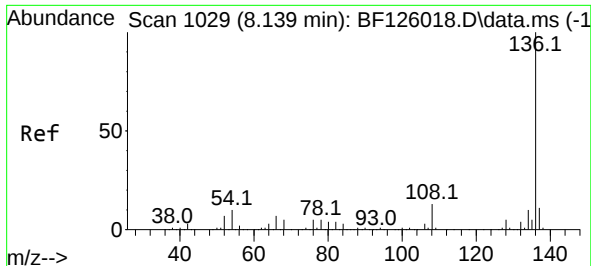
Tgt Ion: 99 Resp: 802887
Ion Ratio Lower Upper
99 100
42 23.5 23.5 35.3#
71 43.4 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 11.107 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.123 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion: 70 Resp: 81567
Ion Ratio Lower Upper
70 100
42 54.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.0 21.8 32.6#

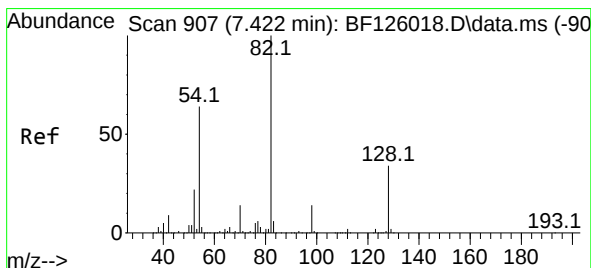
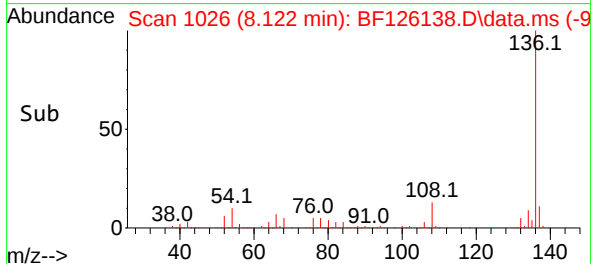
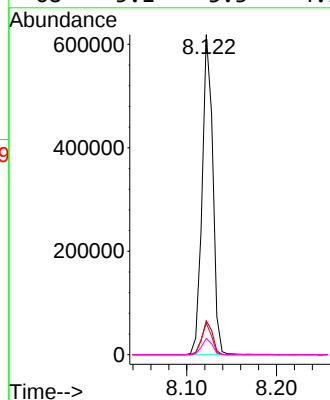
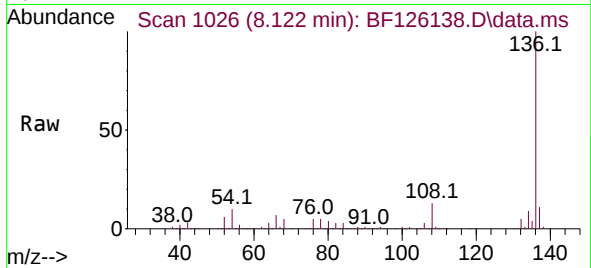




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

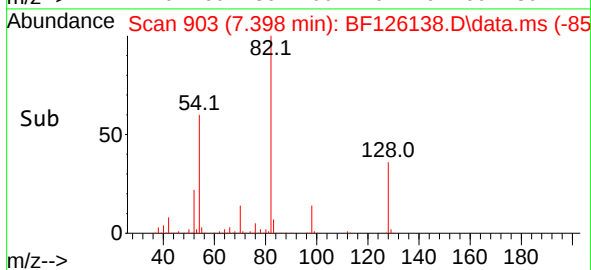
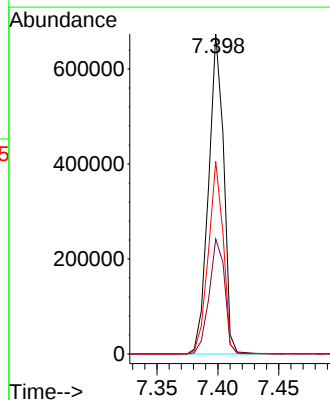
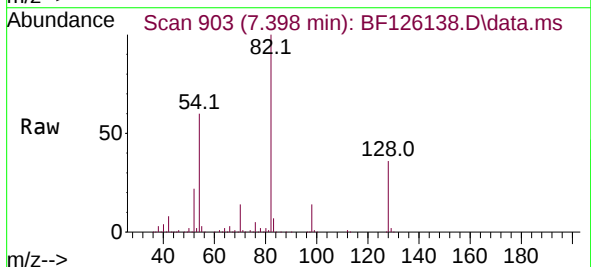
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

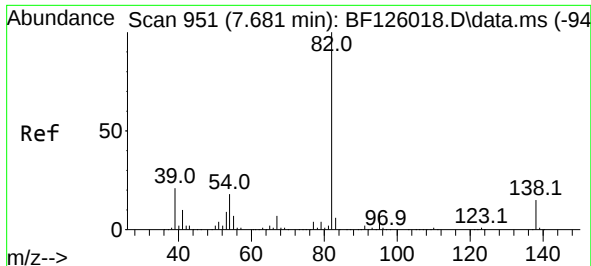
Tgt Ion:136 Resp: 510136
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.9 6.4 9.6#
68 5.1 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 53.626 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.024 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion: 82 Resp: 580073
Ion Ratio Lower Upper
82 100
128 36.0 40.6 60.8#
54 60.2 49.6 74.4

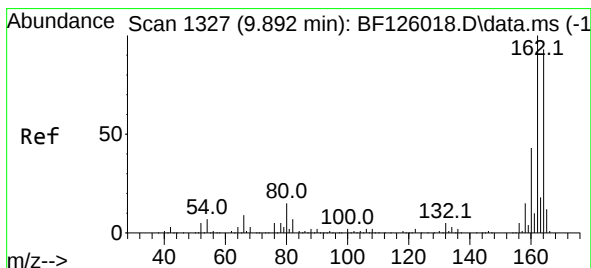
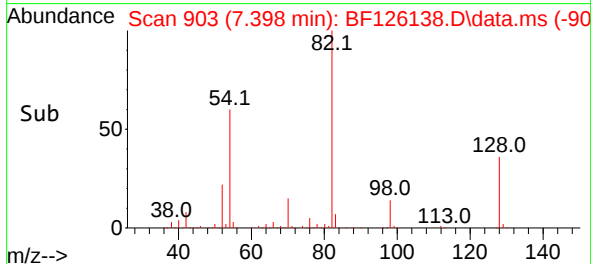
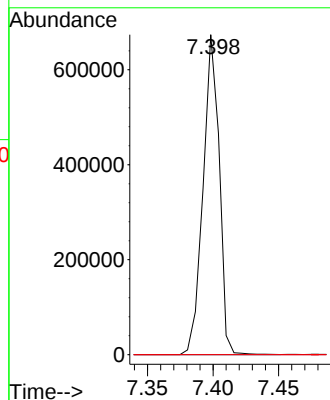
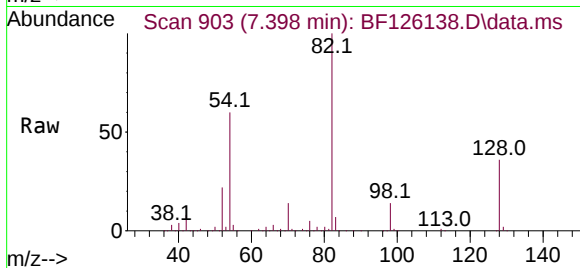




#25
Isophorone
Concen: 29.784 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.283 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

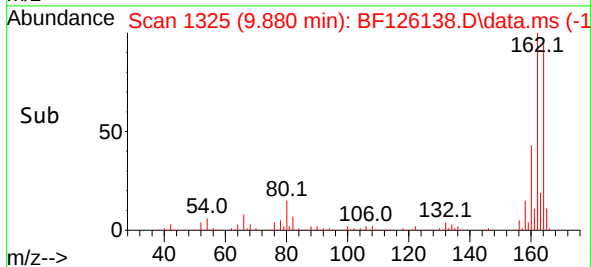
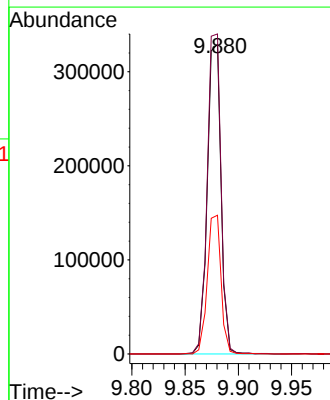
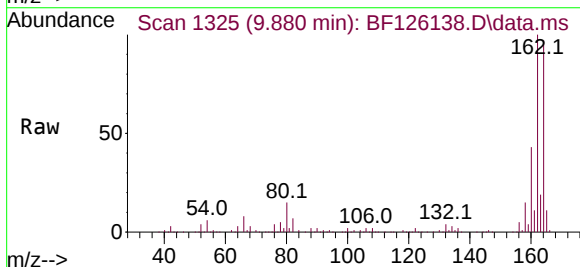
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

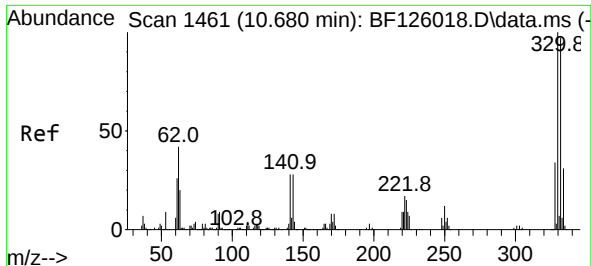
Tgt Ion: 82 Resp: 580055
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion: 164 Resp: 296230
Ion Ratio Lower Upper
164 100
162 103.3 81.3 121.9
160 44.8 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 69.460 ng

RT: 10.663 min Scan# 1461

Delta R.T. -0.018 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

TT-5/5.5-6.5

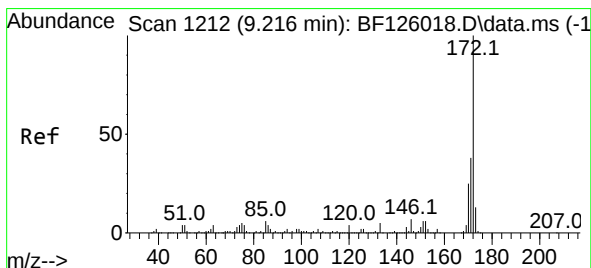
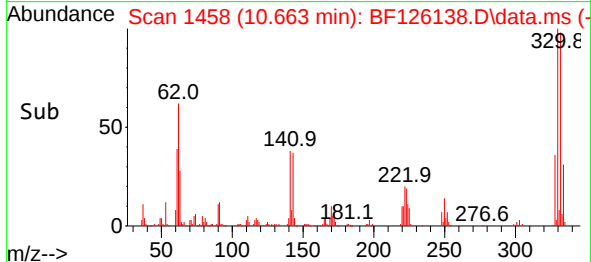
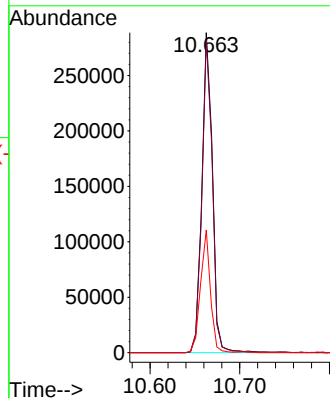
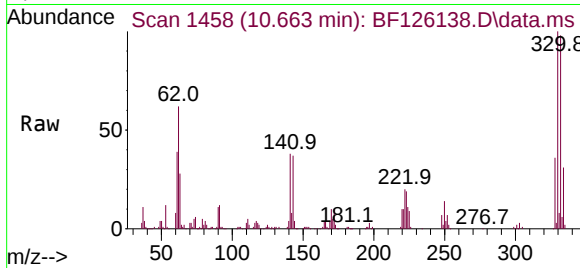
Tgt Ion:330 Resp: 235803

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

141 36.3 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 49.150 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.018 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

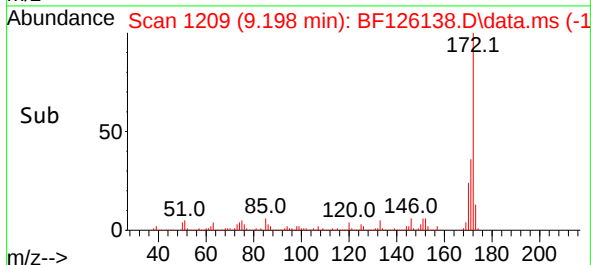
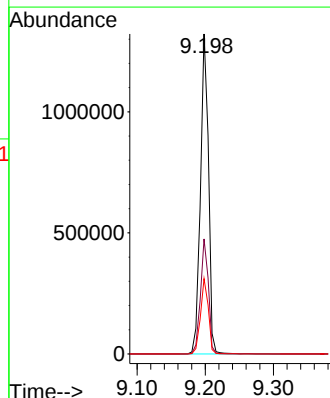
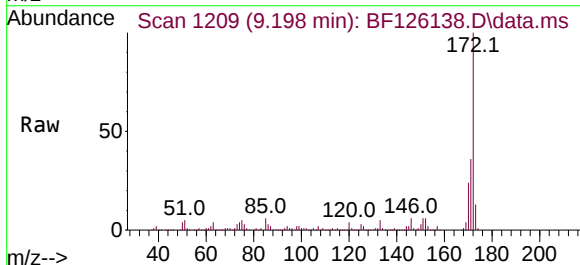
Tgt Ion:172 Resp: 1077412

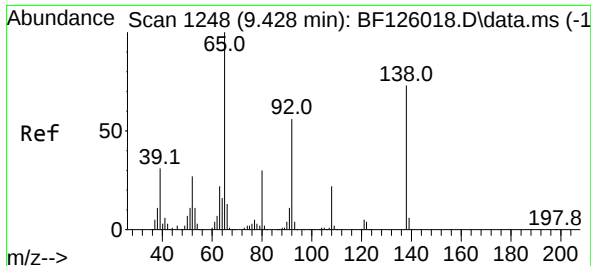
Ion Ratio Lower Upper

172 100

171 36.0 26.5 39.7

170 23.6 18.8 28.2





#48

2-Nitroaniline

Concen: 3.176 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.230 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

Instrument :

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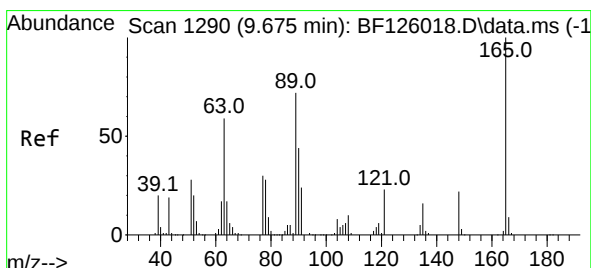
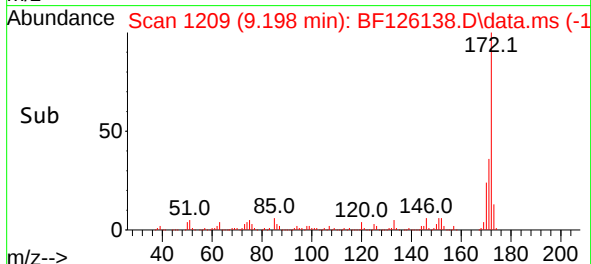
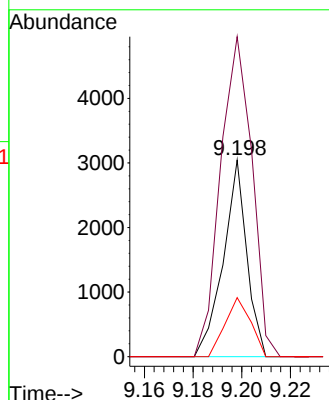
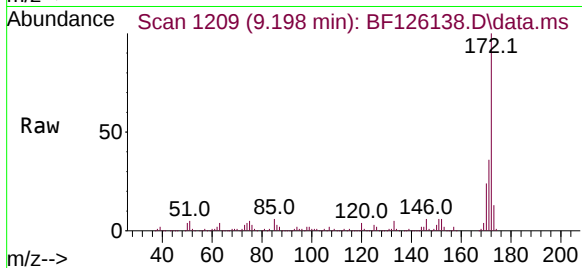
Tgt Ion: 65 Resp: 2048

Ion Ratio Lower Upper

65 100

92 162.7 55.5 83.3#

138 30.0 93.5 140.3#



#51

2,6-Dinitrotoluene

Concen: 10.409 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.200 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

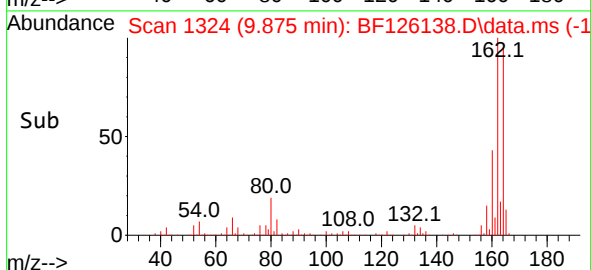
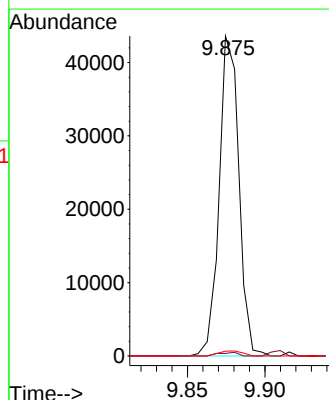
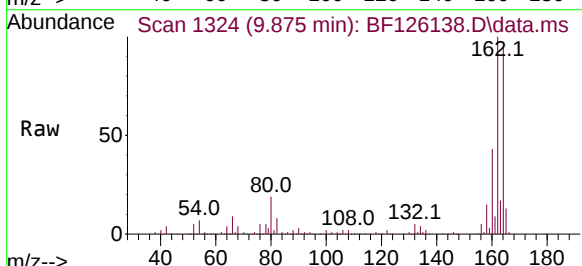
Tgt Ion: 165 Resp: 38477

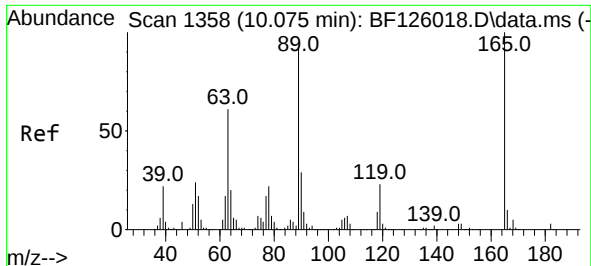
Ion Ratio Lower Upper

165 100

63 0.8 42.6 63.8#

89 1.5 40.6 60.8#

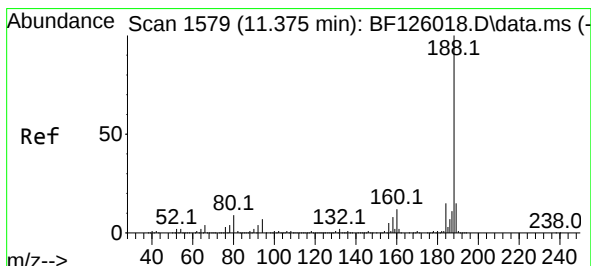
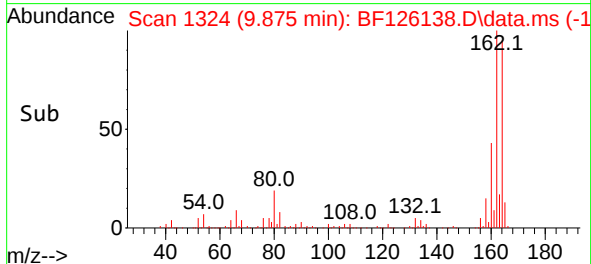
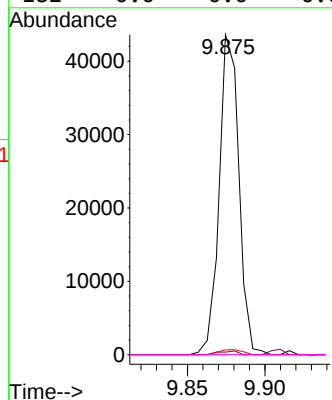
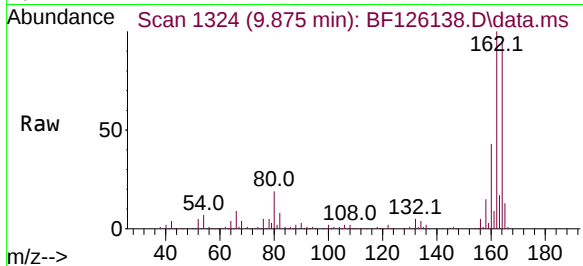




#57
2,4-Dinitrotoluene
Concen: 9.914 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

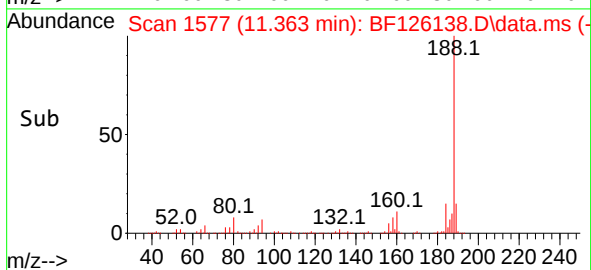
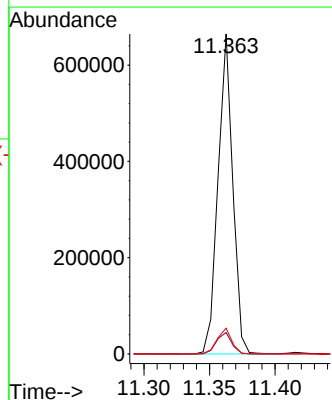
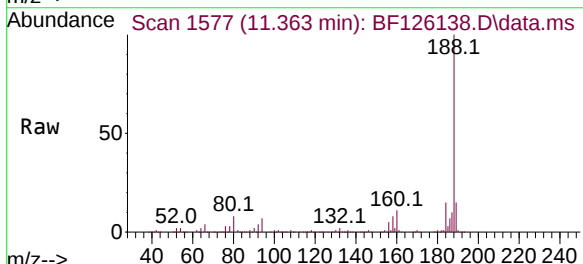
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

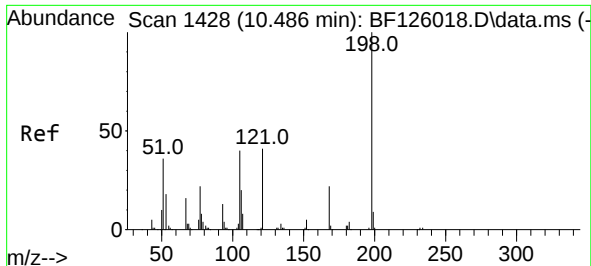
Tgt Ion:165 Resp: 38477
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion:188 Resp: 518532
Ion Ratio Lower Upper
188 100
94 6.7 6.7 10.1#
80 8.1 7.5 11.3

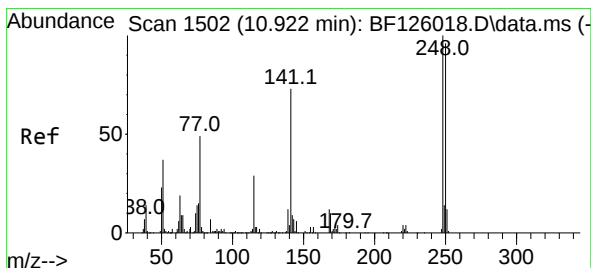
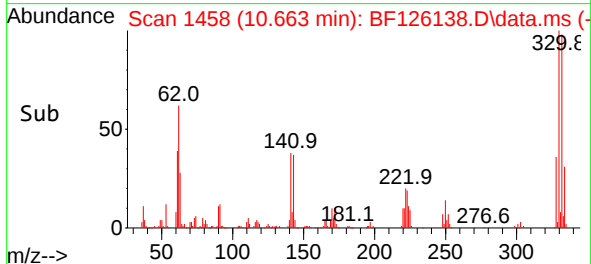
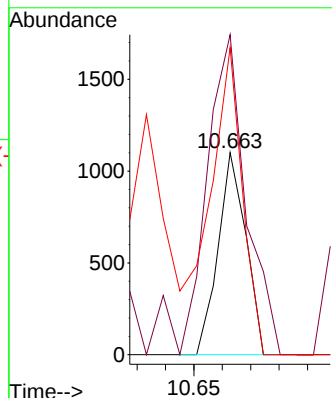
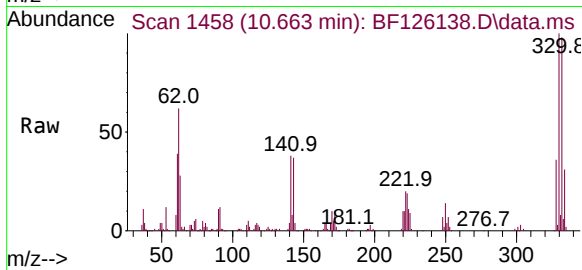




#65
4,6-Dinitro-2-methylphenol
Concen: 8.563 ng
RT: 10.663 min Scan# 1428
Delta R.T. 0.177 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

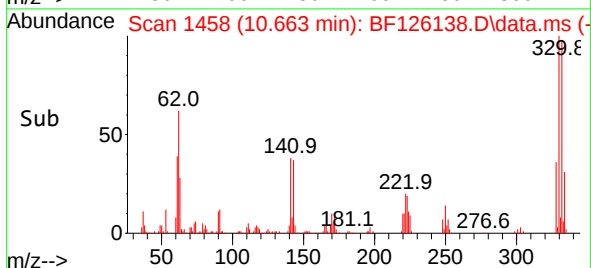
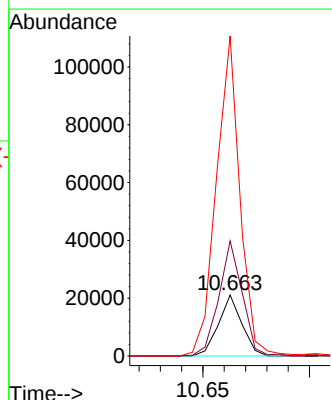
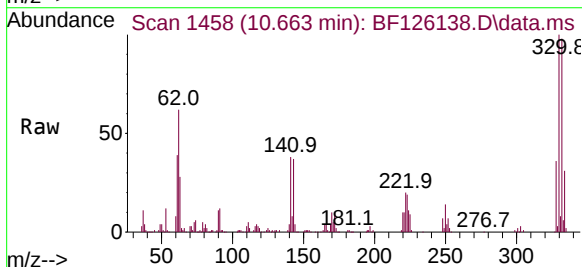
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

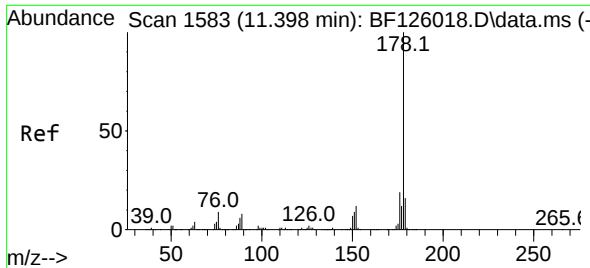
Tgt Ion:198 Resp: 745
Ion Ratio Lower Upper
198 100
51 158.3 45.3 85.3#
105 152.0 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 2.558 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.259 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion:248 Resp: 16065
Ion Ratio Lower Upper
248 100
250 188.6 74.2 111.4#
141 524.4 60.4 90.6#

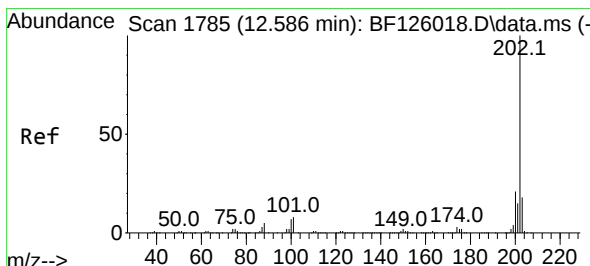
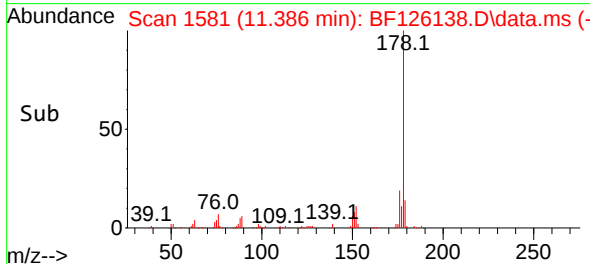
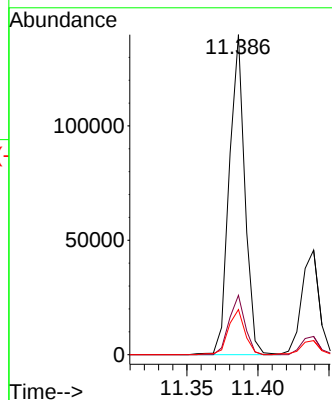
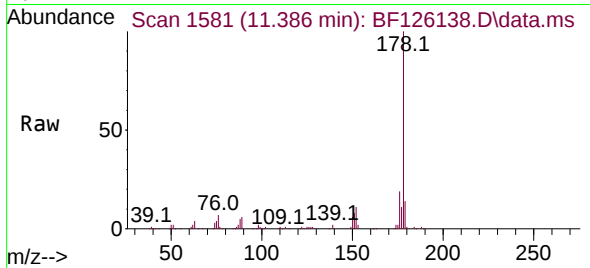




#71
Phenanthrene
Concen: 3.800 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

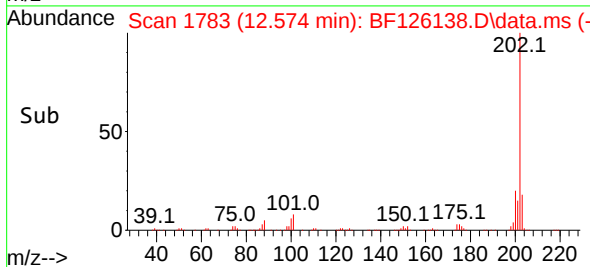
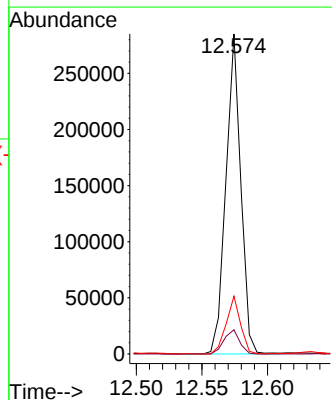
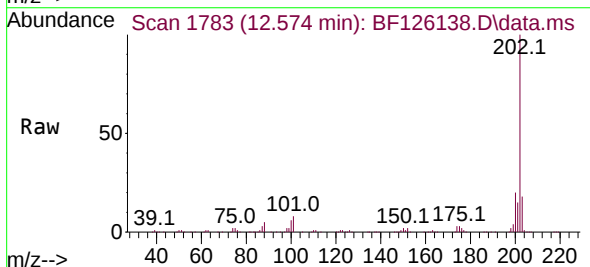
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

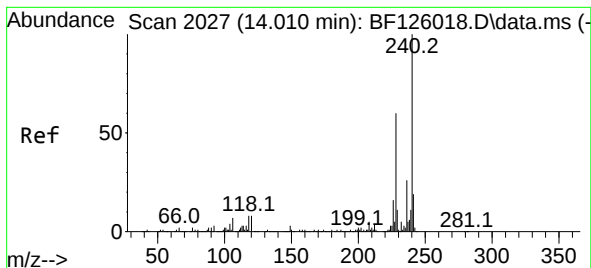
Tgt Ion:178 Resp: 106845
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.1 11.5 17.3



#75
Fluoranthene
Concen: 7.180 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion:202 Resp: 224844
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.7
203 18.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

TT-5/5.5-6.5

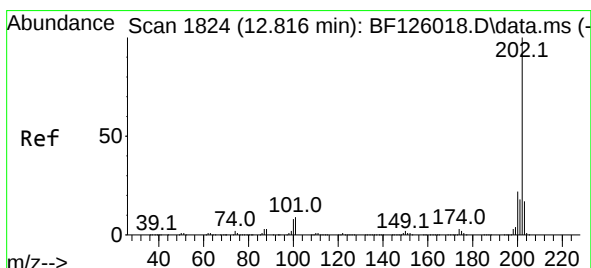
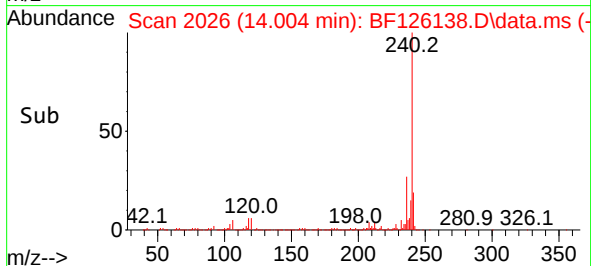
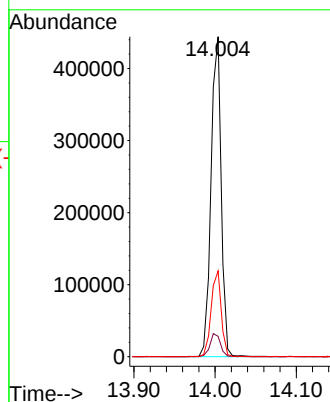
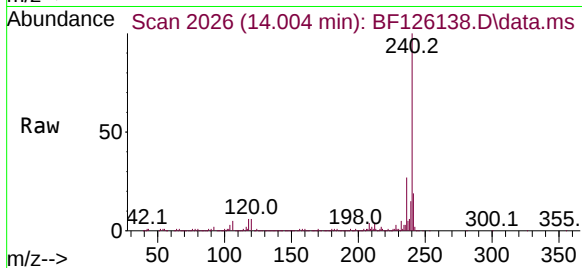
Tgt Ion:240 Resp: 384545

Ion Ratio Lower Upper

240 100

120 6.3 10.8 16.2#

236 26.8 21.6 32.4



#78

Pyrene

Concen: 5.804 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

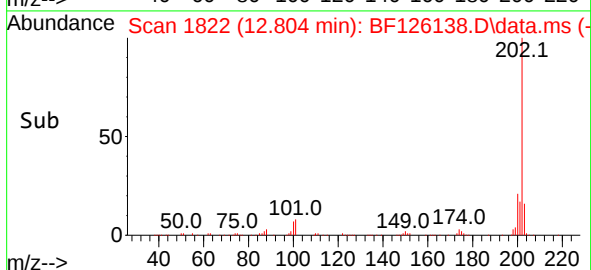
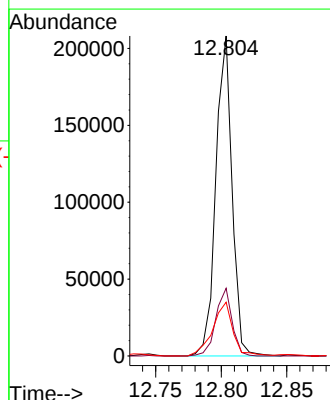
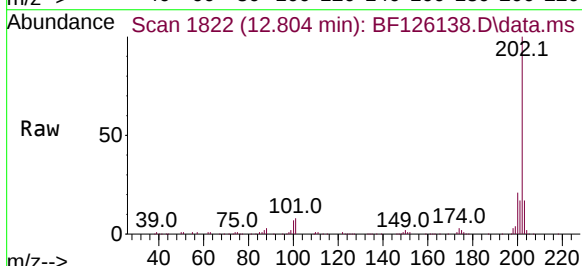
Tgt Ion:202 Resp: 178990

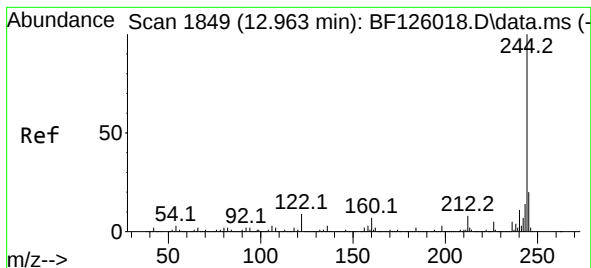
Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 16.8 13.4 20.0





#79

Terphenyl-d14

Concen: 41.637 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

TT-5/5.5-6.5

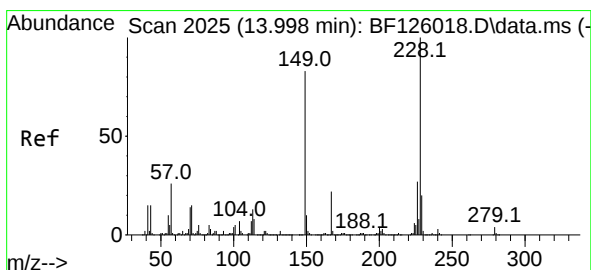
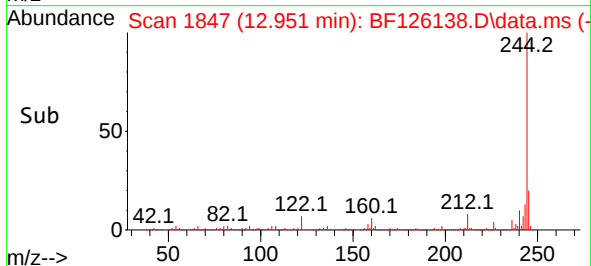
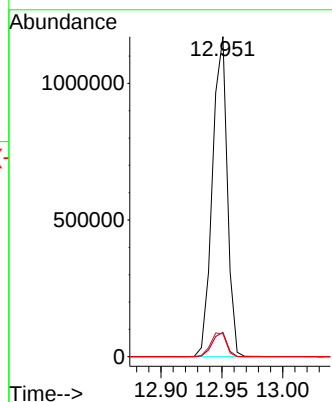
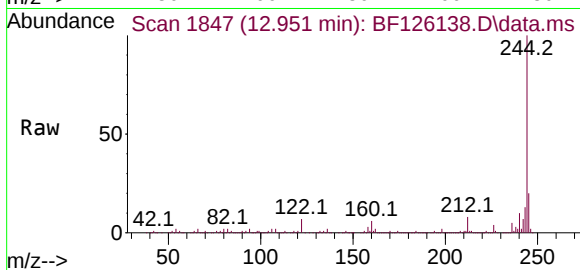
Tgt Ion:244 Resp: 992928

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 7.2 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 3.818 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

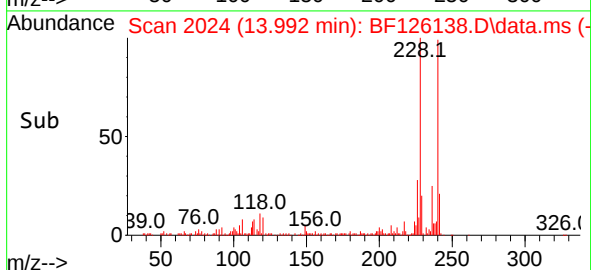
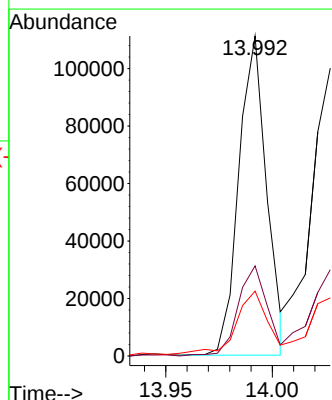
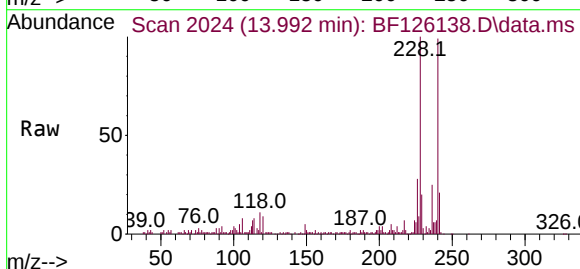
Tgt Ion:228 Resp: 100853

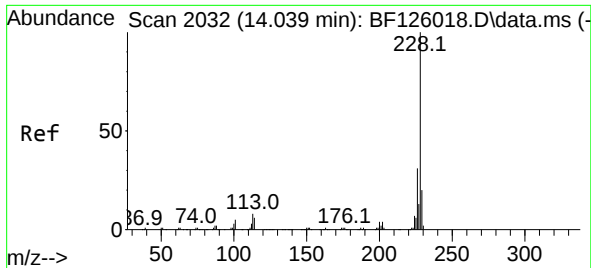
Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 20.3 15.6 23.4





#83

Chrysene

Concen: 3.937 ng

RT: 14.027 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

TT-5/5.5-6.5

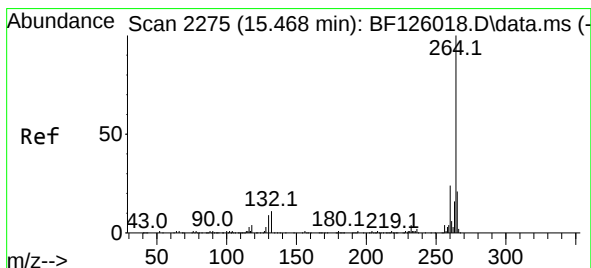
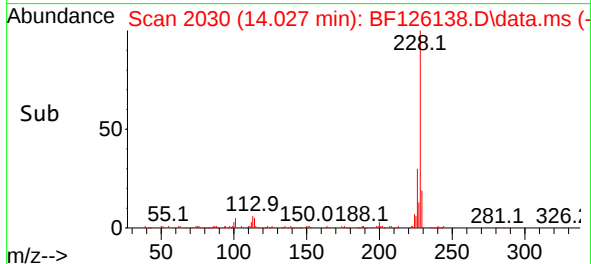
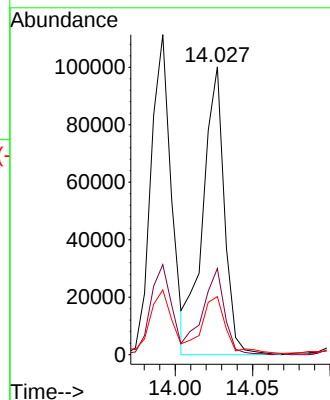
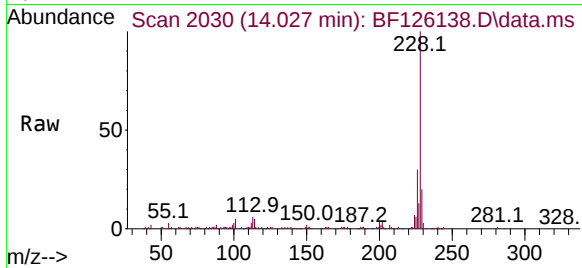
Tgt Ion:228 Resp: 96764

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

229 20.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF126138.D

Acq: 11 Nov 2021 21:59

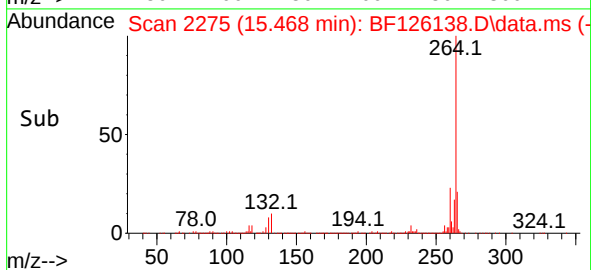
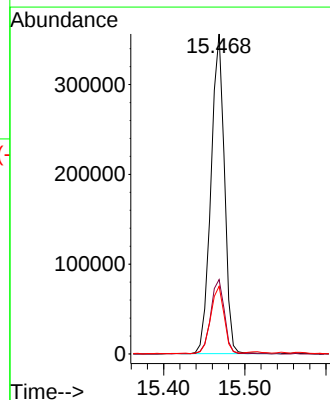
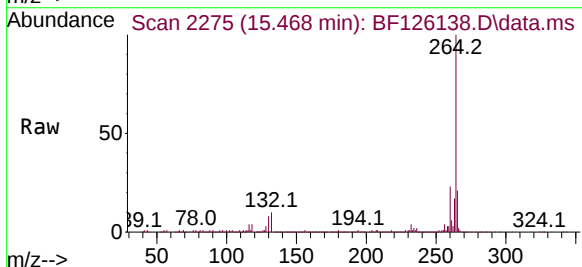
Tgt Ion:264 Resp: 408320

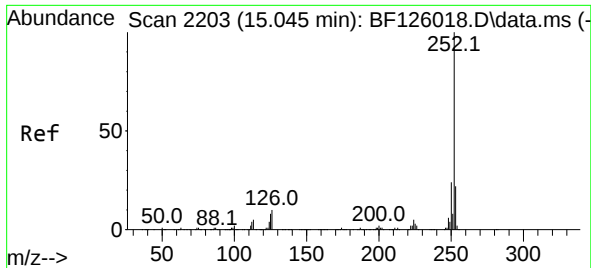
Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 21.1 17.2 25.8

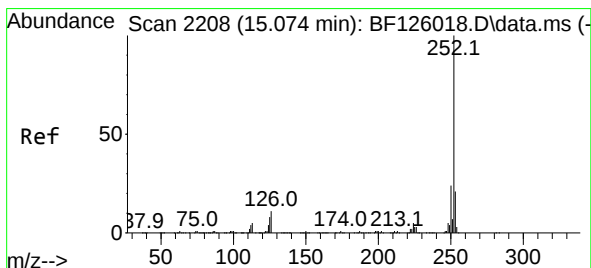
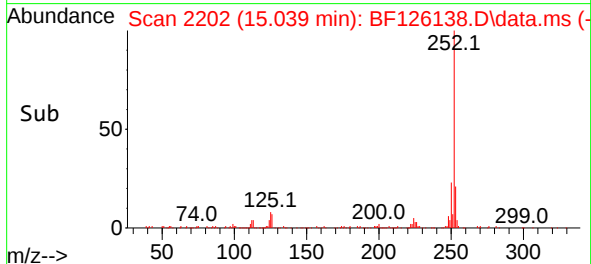
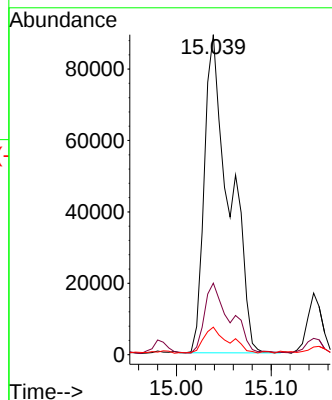
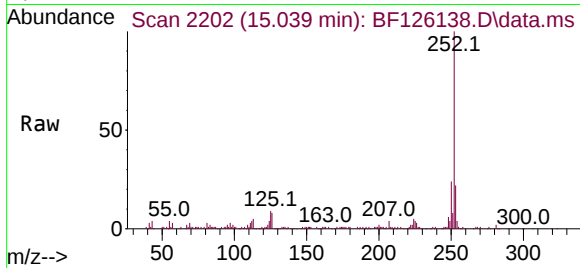




#88
Benzo(b)fluoranthene
Concen: 6.171 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

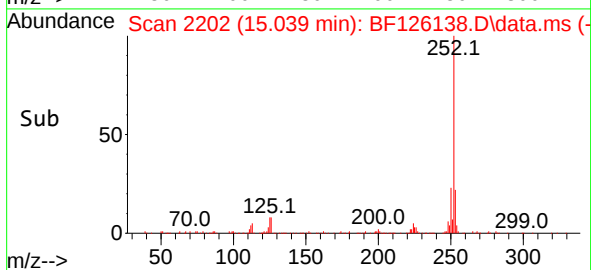
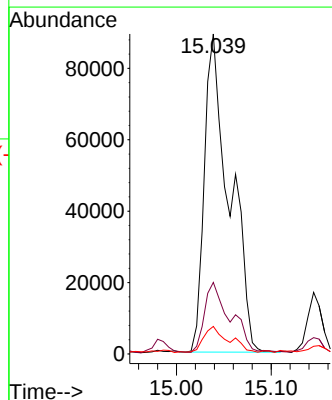
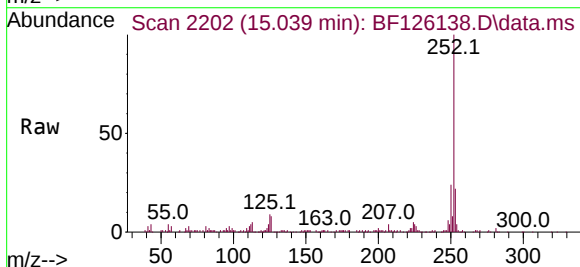
Instrument :
BNA_F
ClientSampleId :
TT-5/5.5-6.5

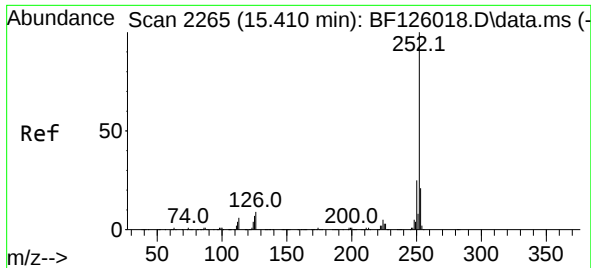
Tgt Ion:252 Resp: 163894
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 8.6 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 6.361 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.035 min
Lab File: BF126138.D
Acq: 11 Nov 2021 21:59

Tgt Ion:252 Resp: 163894
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 8.6 7.2 10.8





#90
 Benzo(a)pyrene
 Concen: 2.594 ng
 RT: 15.339 min Scan# 21
 Delta R.T. -0.071 min
 Lab File: BF126138.D
 Acq: 11 Nov 2021 21:59

Instrument :
 BNA_F
 ClientSampleId :
 TT-5/5.5-6.5

Tgt Ion:252 Resp: 54278
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.4 27.6
 125 10.0 9.9 14.9

