

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126025.D
 Acq On : 3 Nov 2021 18:16
 Operator : JU/CG
 Sample : M4470-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:09:47 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)

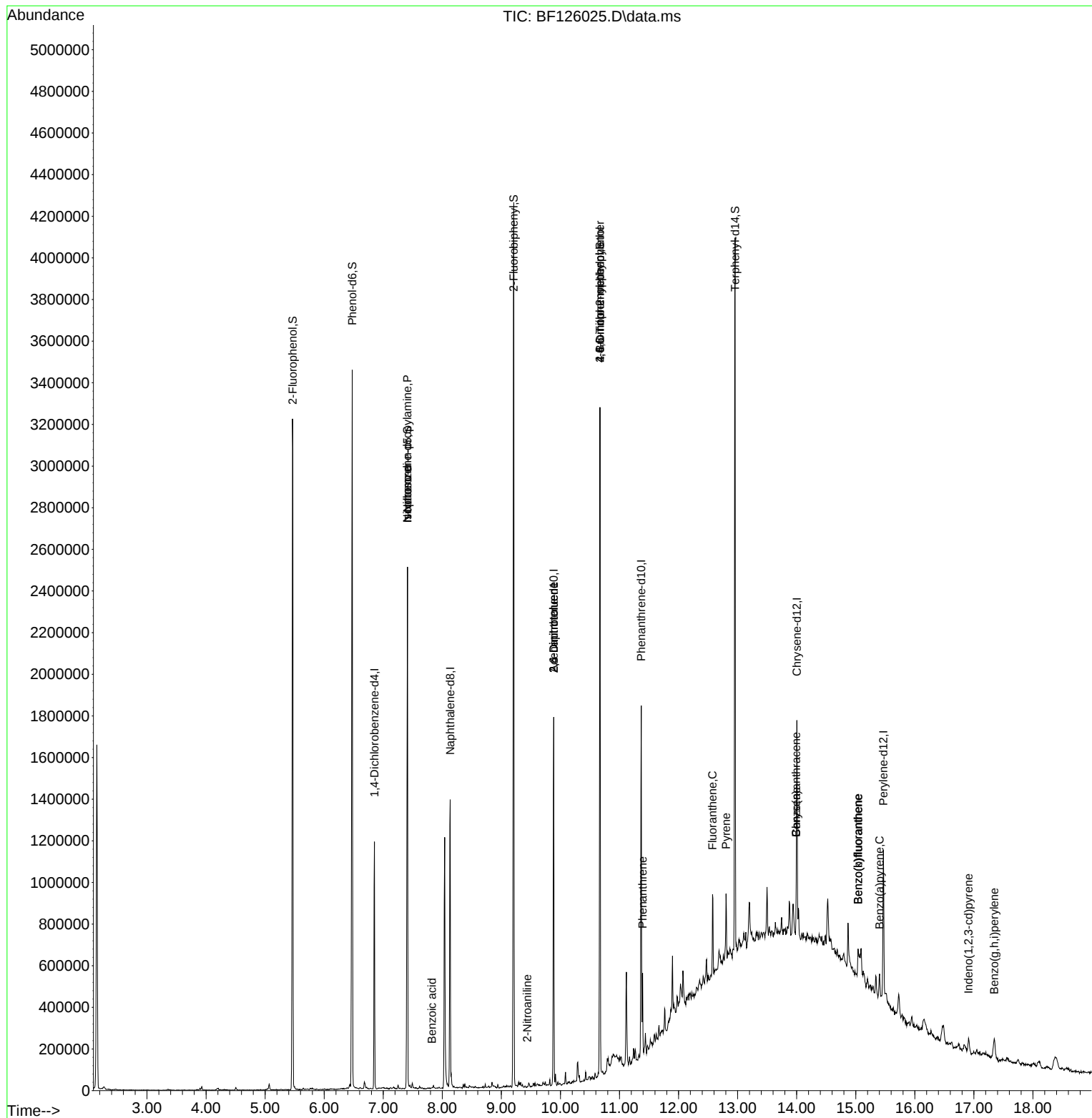
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	149960	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	555943	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	328323	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	544669	20.000	ng	0.00
76) Chrysene-d12	14.004	240	319548	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	321740	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	741544	84.919	ng	0.00
7) Phenol-d6	6.475	99	958581	77.871	ng	-0.01
23) Nitrobenzene-d5	7.410	82	721953	61.243	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	306681	81.508	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	1310590	53.943	ng	0.00
79) Terphenyl-d14	12.957	244	1081984	54.601	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	820	Below Cal	#	71
19) n-Nitroso-di-n-propyla...	7.410	70	104990	12.937	ng	# 63
25) Isophorone	7.410	82	717191	33.791	ng	# 59
32) Benzoic acid	7.822	122	580	9.240	ng	# 65
48) 2-Nitroaniline	9.439	65	246	2.885	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	42185	10.296	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	42185	9.841	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	491	8.472	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	20301	3.077	ng	# 1
71) Phenanthrene	11.392	178	141460	4.789	ng	98
75) Fluoranthene	12.574	202	153443	4.665	ng	96
78) Pyrene	12.804	202	122703	4.788	ng	96
81) Benzo(a)anthracene	13.992	228	60286	2.746	ng	# 91
83) Chrysene	13.992	228	60286	2.951	ng	92
87) Indeno(1,2,3-cd)pyrene	16.909	276	41409	2.174	ng	# 80
88) Benzo(b)fluoranthene	15.039	252	96640	4.618	ng	98
89) Benzo(k)fluoranthene	15.039	252	96640	4.760	ng	# 96
90) Benzo(a)pyrene	15.404	252	48053	2.914	ng	98
92) Benzo(g,h,i)perylene	17.345	276	42933	2.862	ng	# 86

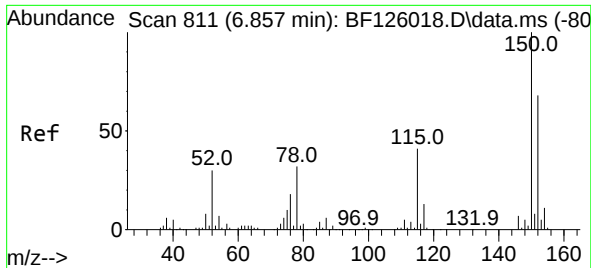
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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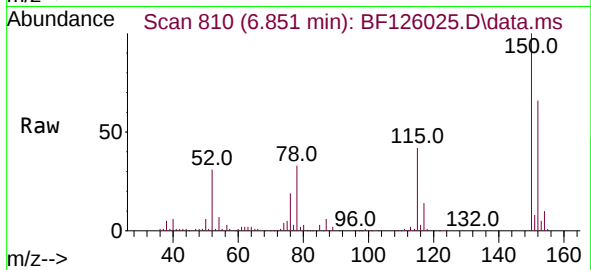
Quant Time: Nov 04 10:09:47 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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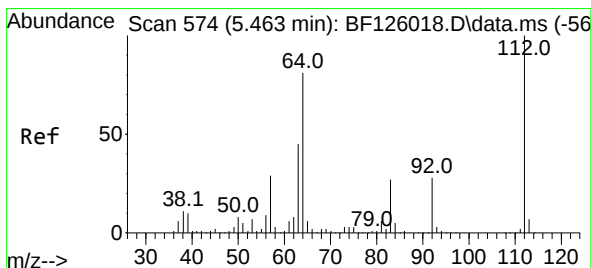
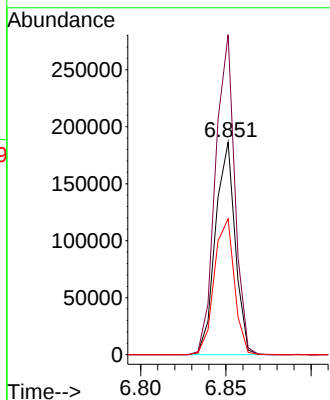
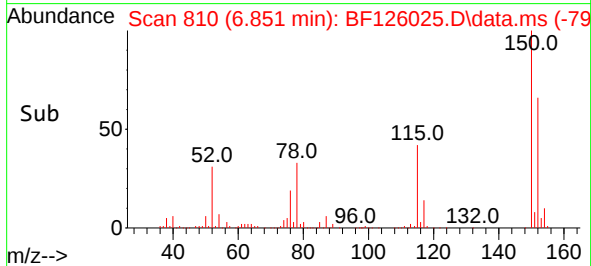


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

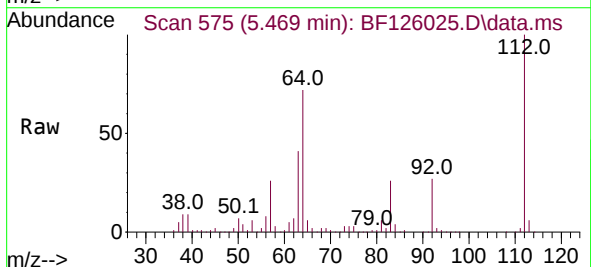
Instrument :
BNA_F
ClientSampleId :



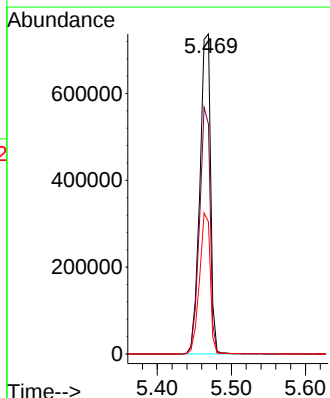
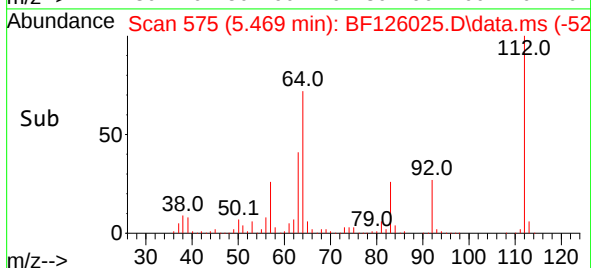
Tgt Ion:152 Resp: 149960
Ion Ratio Lower Upper
152 100
150 150.7 117.6 176.4
115 64.0 47.1 70.7

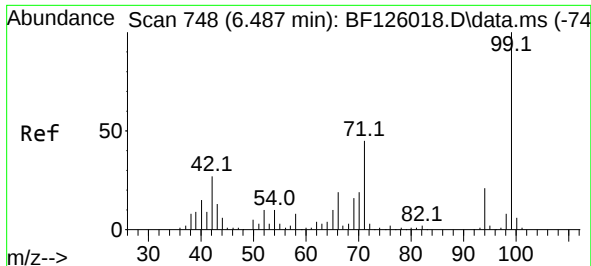


#5
2-Fluorophenol
Concen: 84.919 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



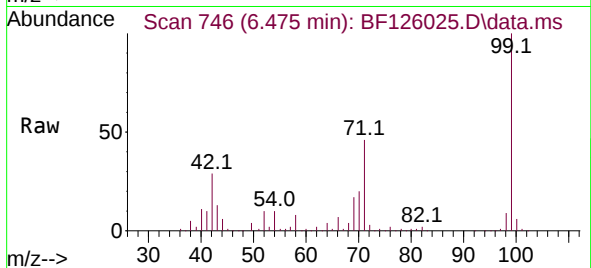
Tgt Ion:112 Resp: 741544
Ion Ratio Lower Upper
112 100
64 71.8 44.2 66.2#
63 41.3 26.2 39.2#



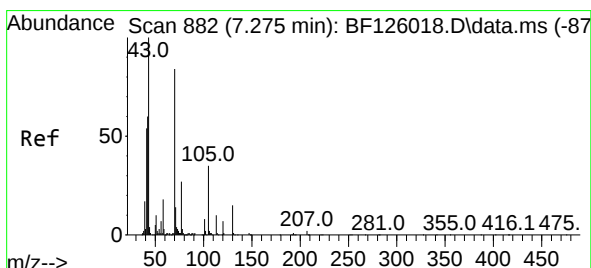
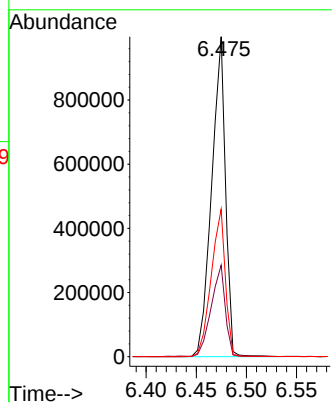
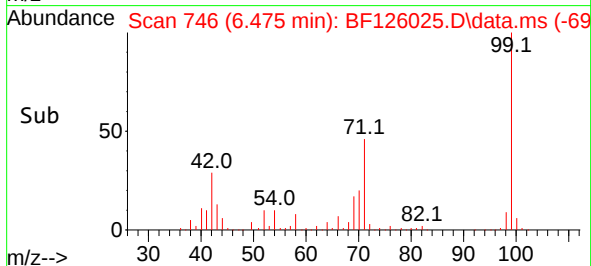


#7
Phenol-d6
Concen: 77.871 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

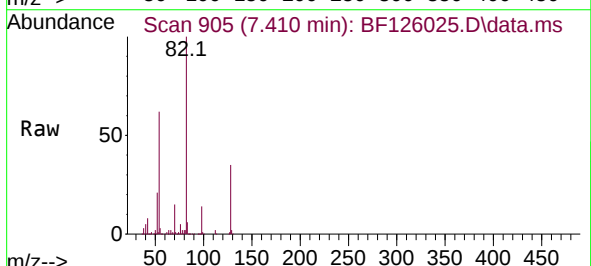
Instrument :
BNA_F
ClientSampleId :



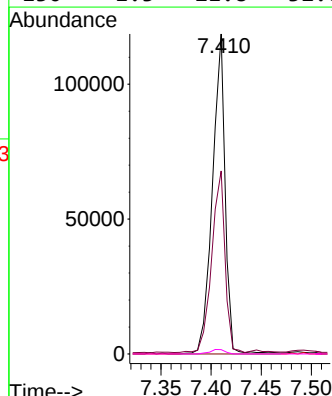
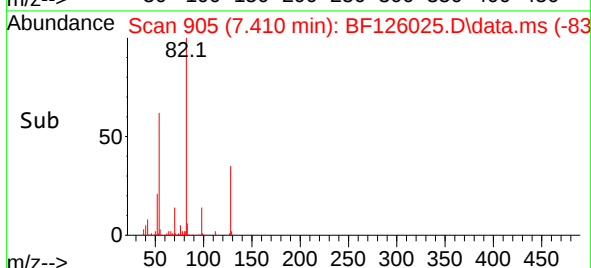
Tgt Ion: 99 Resp: 958581
Ion Ratio Lower Upper
99 100
42 28.6 23.5 35.3
71 46.1 25.6 38.4#

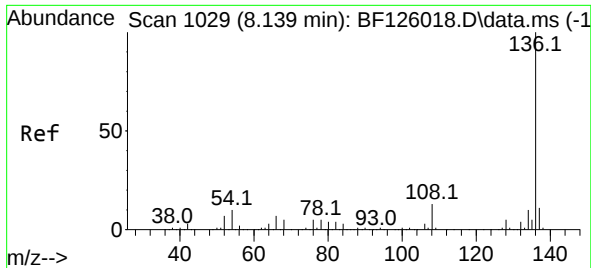


#19
n-Nitroso-di-n-propylamine
Concen: 12.937 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



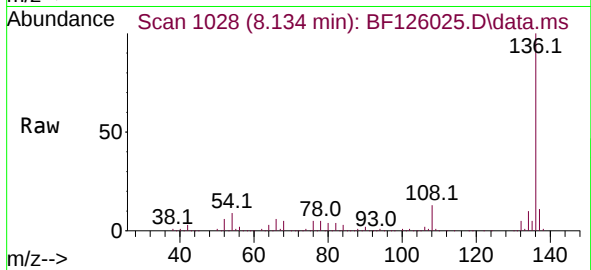
Tgt Ion: 70 Resp: 104990
Ion Ratio Lower Upper
70 100
42 57.2 72.2 108.2#
101 0.0 7.8 11.8#
130 1.3 21.8 32.6#



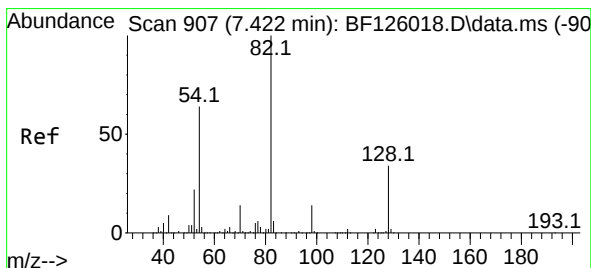
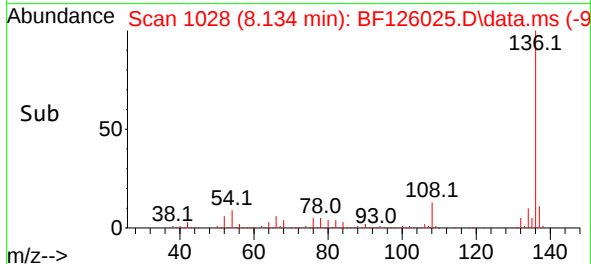
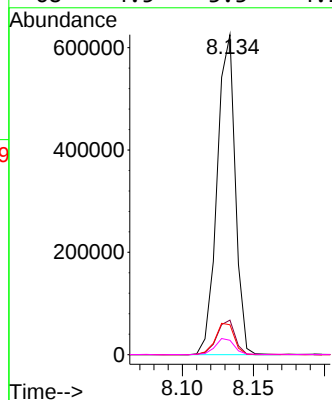


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 10
Delta R.T. -0.005 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Instrument :
BNA_F
ClientSampleId :

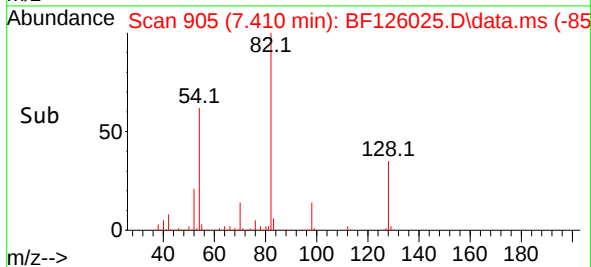
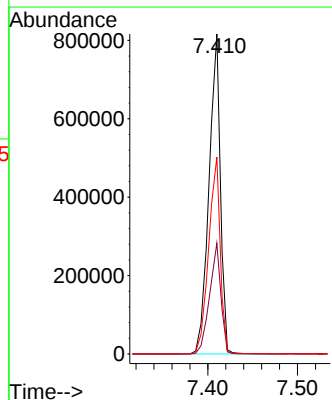
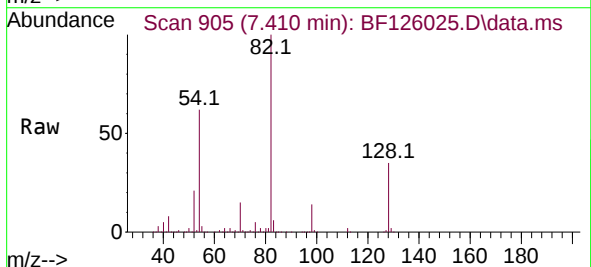


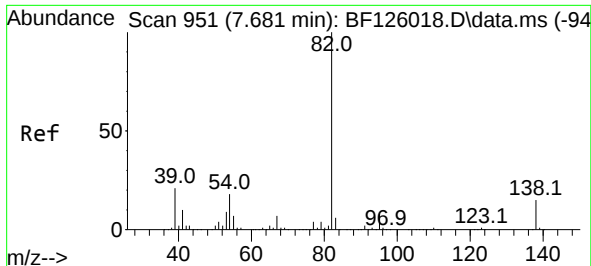
Tgt Ion:136 Resp: 555943
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.4 6.4 9.6
68 4.5 3.3 4.9



#23
Nitrobenzene-d5
Concen: 61.243 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Tgt Ion: 82 Resp: 721953
Ion Ratio Lower Upper
82 100
128 34.6 40.6 60.8#
54 61.5 49.6 74.4

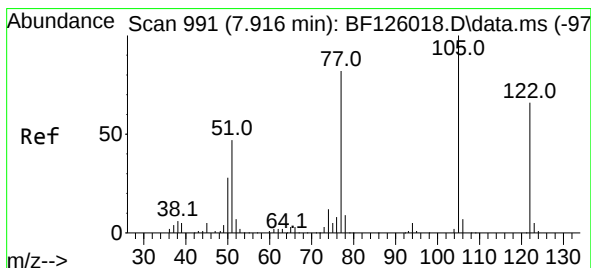
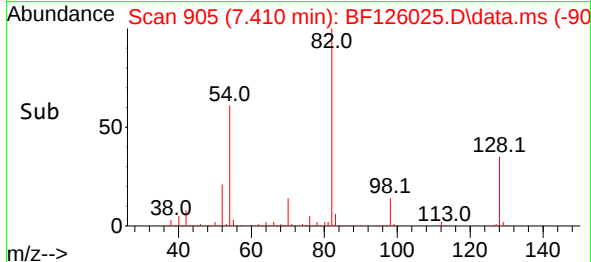
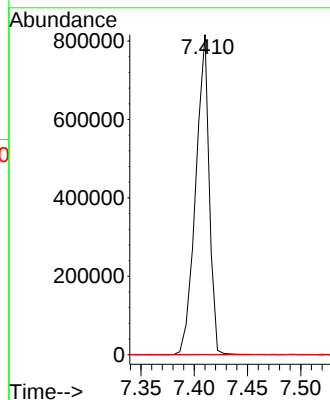
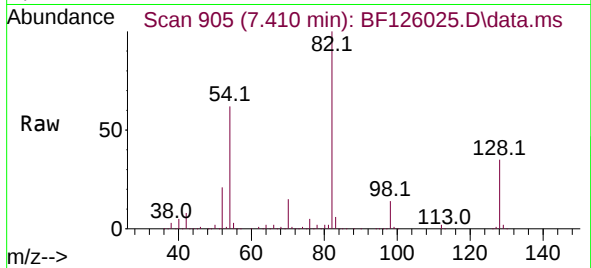




#25
Isophorone
Concen: 33.791 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

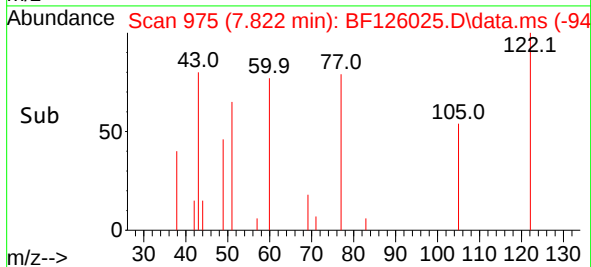
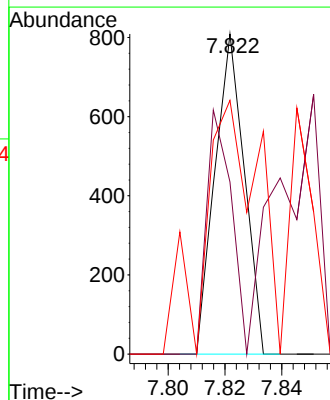
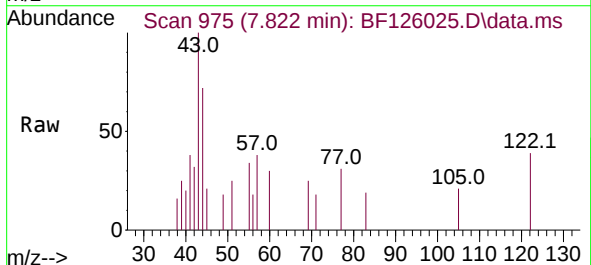
Instrument :
BNA_F
ClientSampleId :

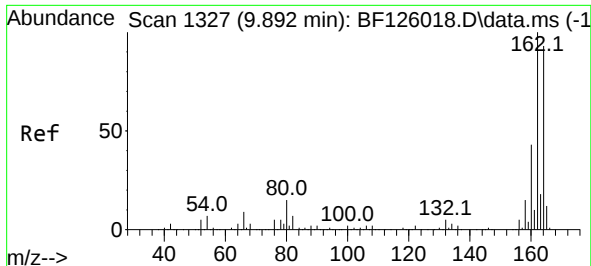
Tgt Ion: 82 Resp: 717191
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.240 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.094 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Tgt Ion: 122 Resp: 580
Ion Ratio Lower Upper
122 100
105 53.8 97.6 137.6#
77 79.2 59.6 99.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

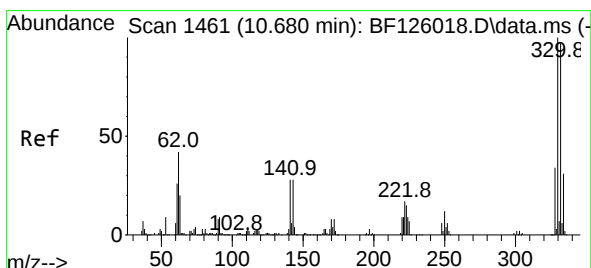
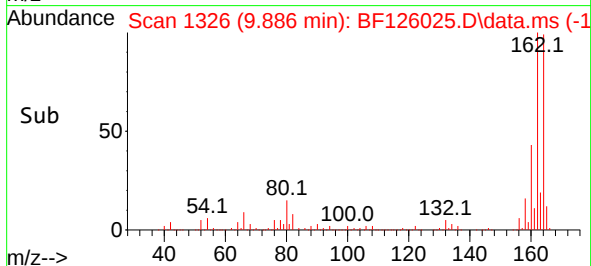
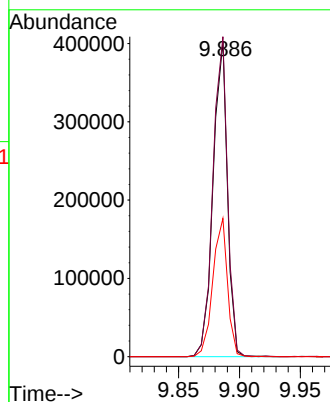
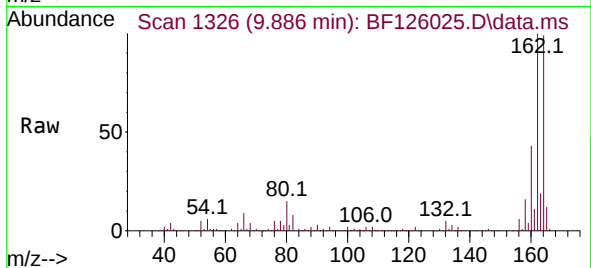
Tgt Ion:164 Resp: 328323

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

160 43.8 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 81.508 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

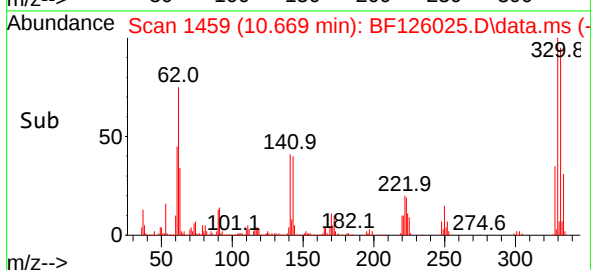
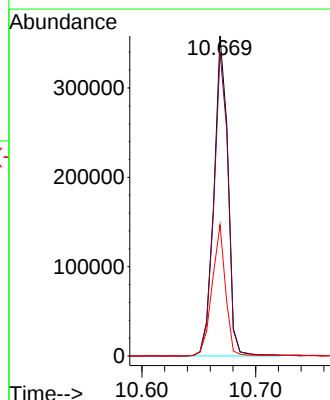
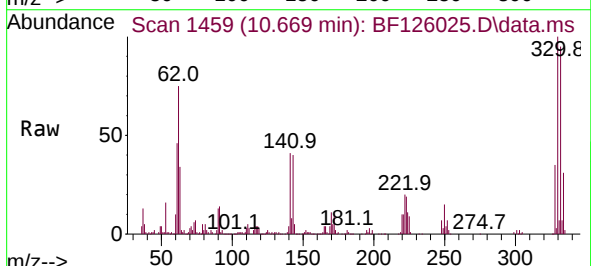
Tgt Ion:330 Resp: 306681

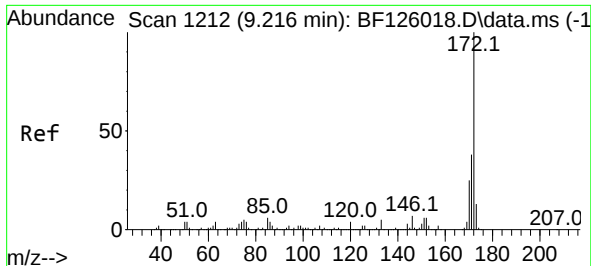
Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

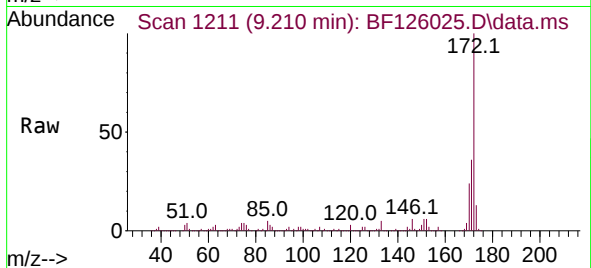
141 39.7 44.6 66.8#



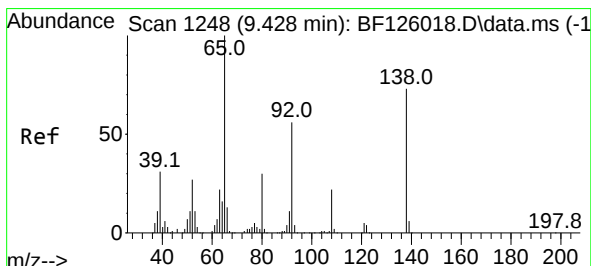
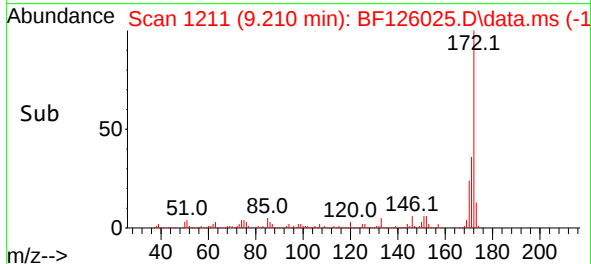
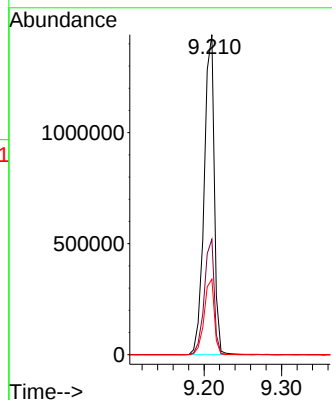


#45
2-Fluorobiphenyl
Concen: 53.943 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Instrument :
BNA_F
ClientSampleId :

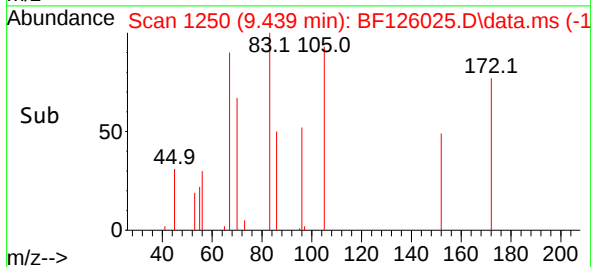
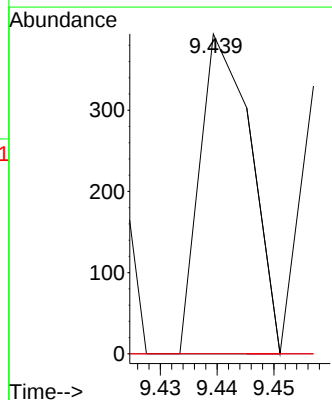
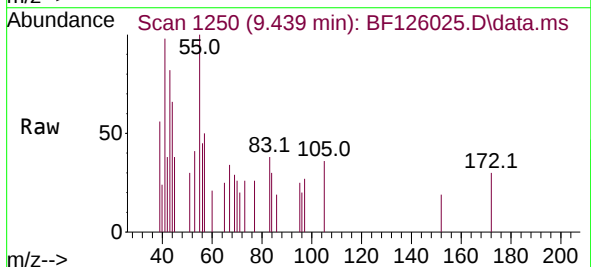


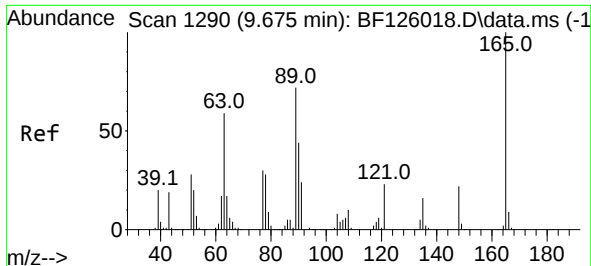
Tgt Ion:172 Resp: 1310590
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 23.6 18.8 28.2



#48
2-Nitroaniline
Concen: 2.885 ng
RT: 9.439 min Scan# 1250
Delta R.T. 0.011 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Tgt Ion: 65 Resp: 246
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: 10.296 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.211 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

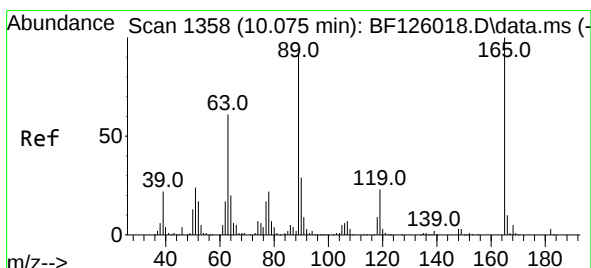
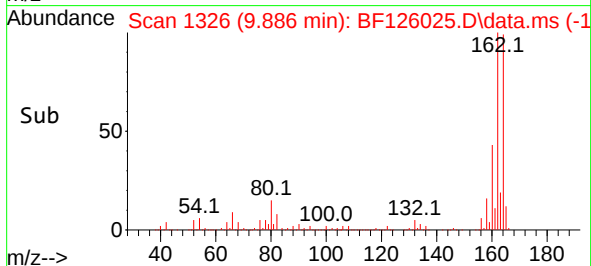
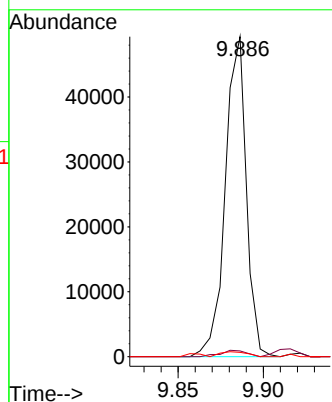
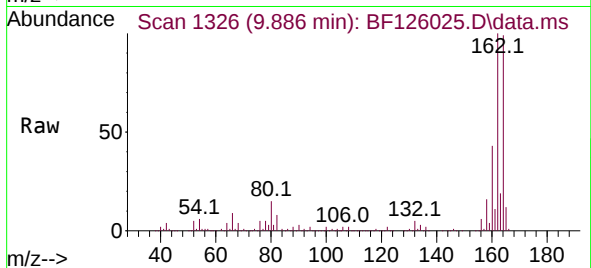
Tgt Ion:165 Resp: 42185

Ion Ratio Lower Upper

165 100

63 1.8 42.6 63.8#

89 1.3 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 9.841 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.189 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Tgt Ion:165 Resp: 42185

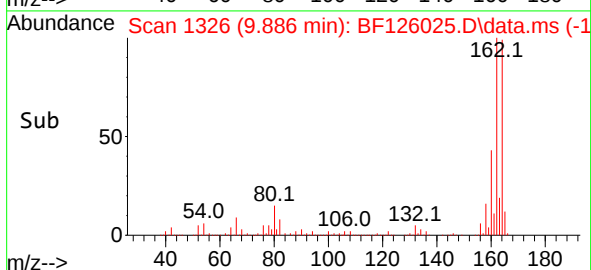
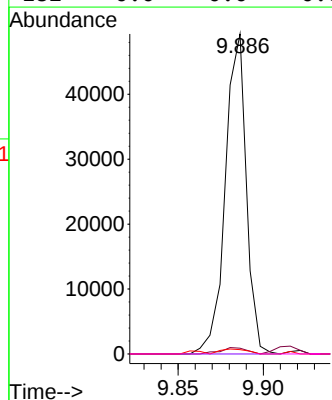
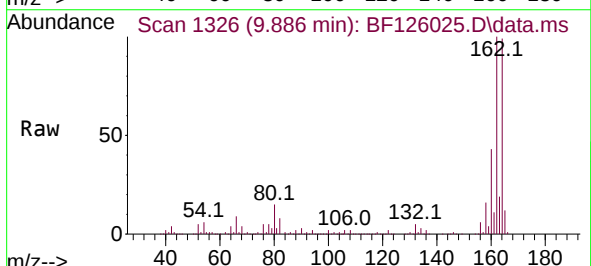
Ion Ratio Lower Upper

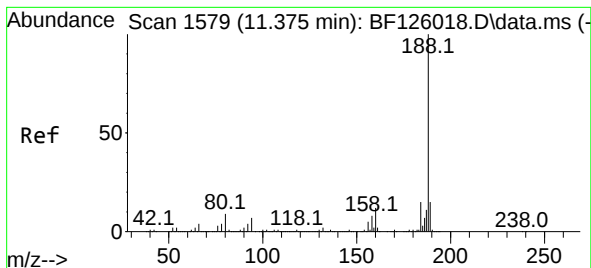
165 100

63 1.8 40.9 61.3#

89 1.3 59.7 89.5#

182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

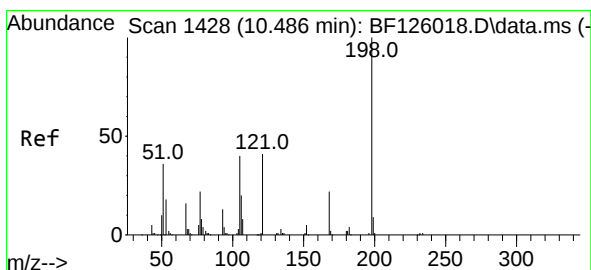
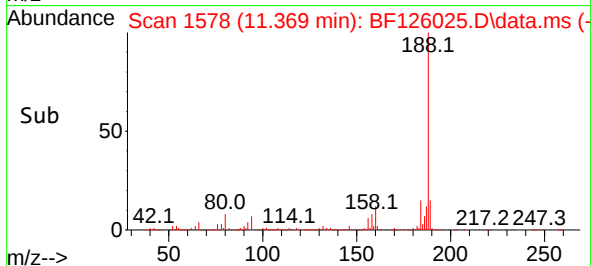
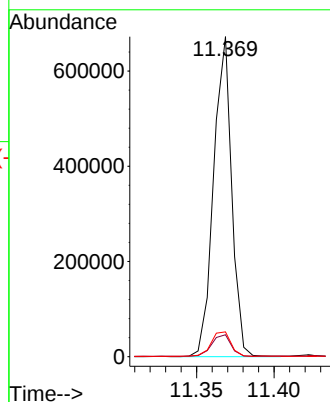
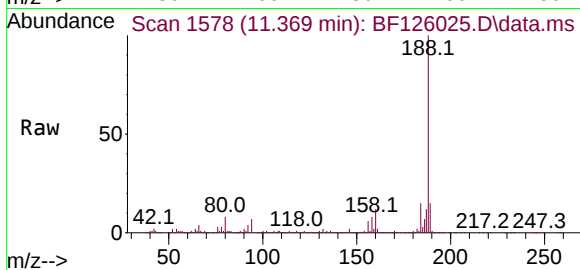
Tgt Ion:188 Resp: 544669

Ion Ratio Lower Upper

188 100

94 6.8 6.7 10.1

80 7.8 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.472 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.183 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

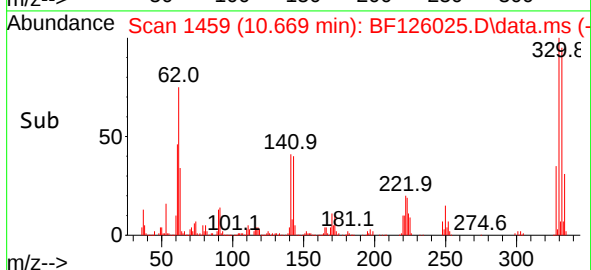
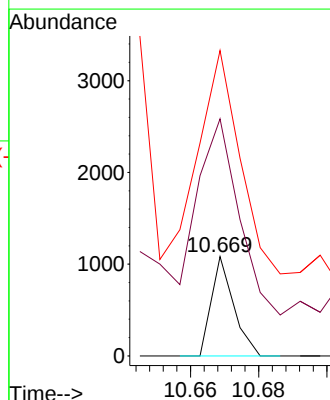
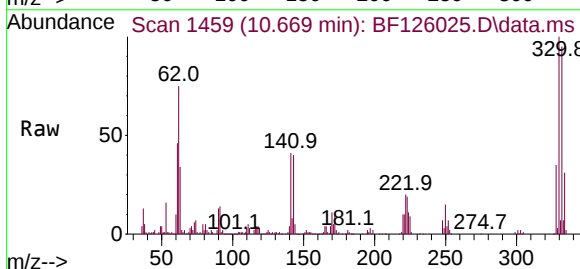
Tgt Ion:198 Resp: 491

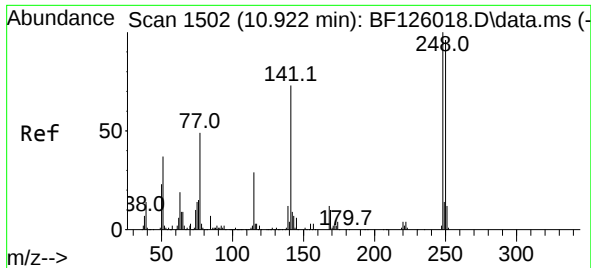
Ion Ratio Lower Upper

198 100

51 238.9 45.3 85.3#

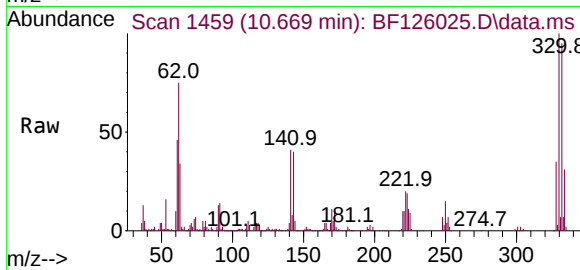
105 307.8 30.6 70.6#



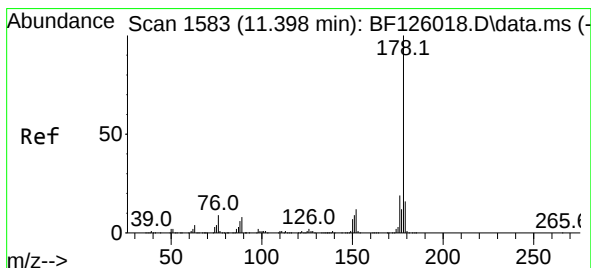
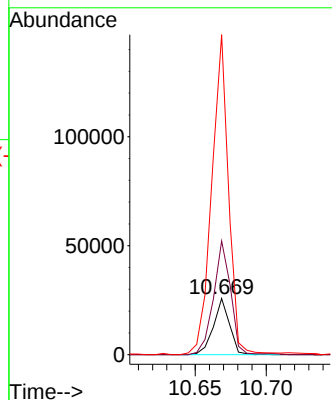
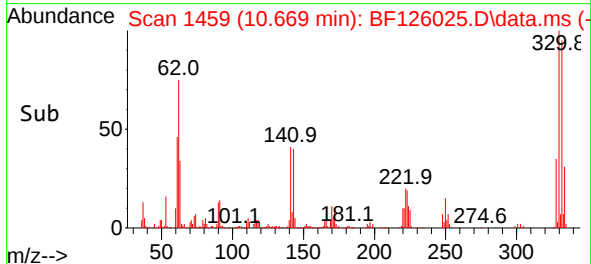


#67
4-Bromophenyl-phenylether
Concen: 3.077 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

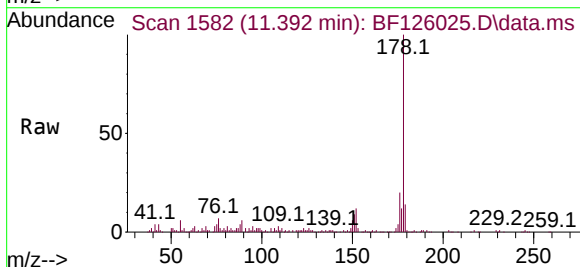
Instrument :
BNA_F
ClientSampleId :



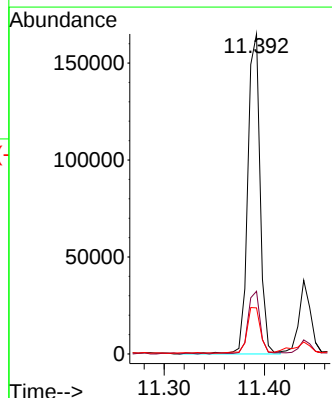
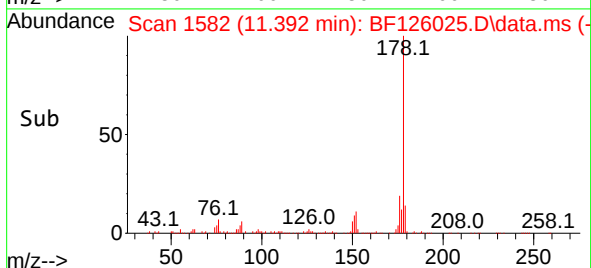
Tgt Ion:248 Resp: 20301
Ion Ratio Lower Upper
248 100
250 202.8 74.2 111.4#
141 570.3 60.4 90.6#

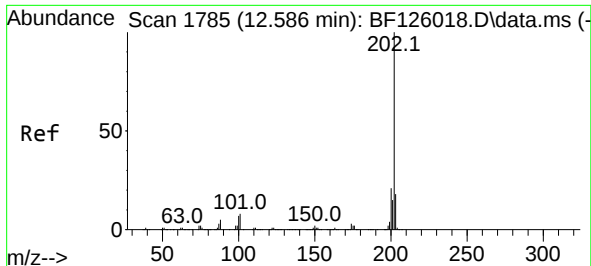


#71
Phenanthrene
Concen: 4.789 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



Tgt Ion:178 Resp: 141460
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 14.4 11.5 17.3

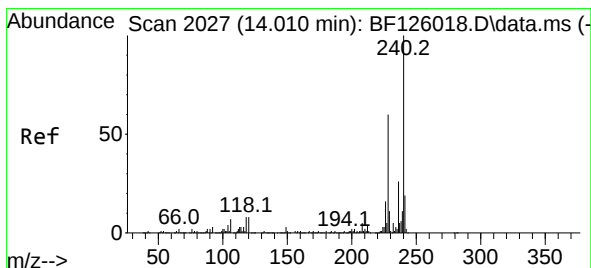
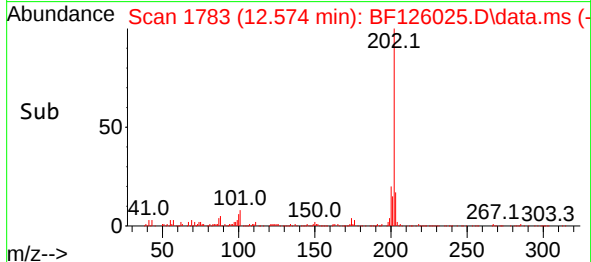
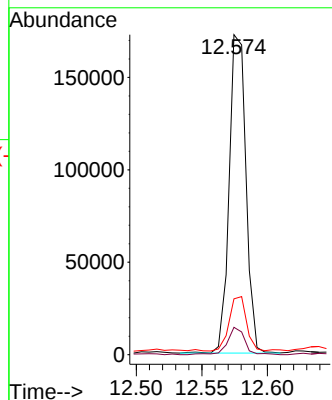
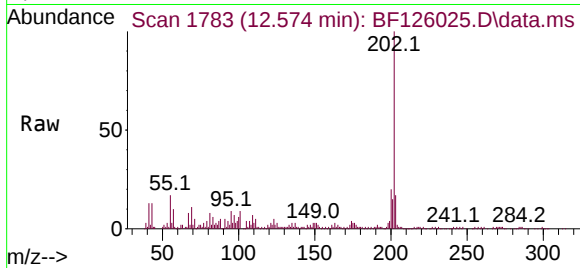




#75
Fluoranthene
Concen: 4.665 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

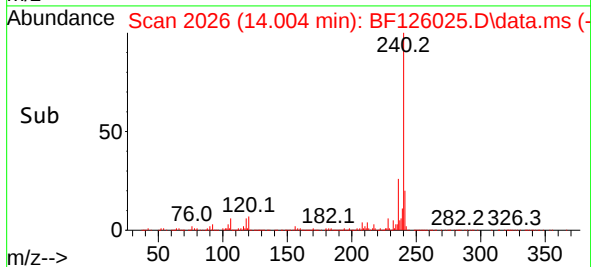
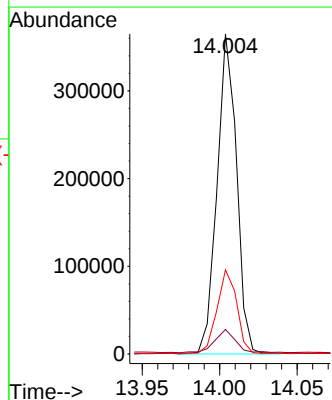
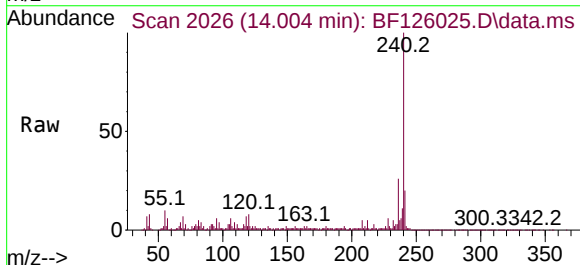
Instrument :
BNA_F
ClientSampleId :

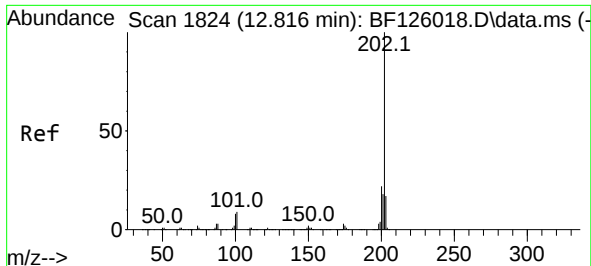
Tgt Ion:202 Resp: 153443
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

Tgt Ion:240 Resp: 319548
Ion Ratio Lower Upper
240 100
120 7.7 10.8 16.2#
236 26.3 21.6 32.4

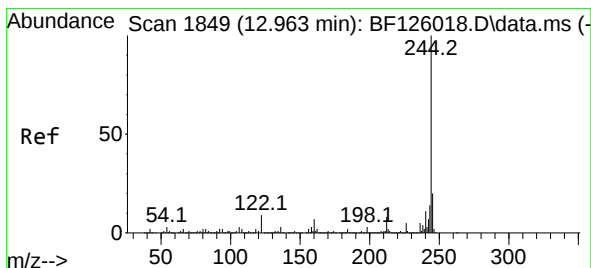
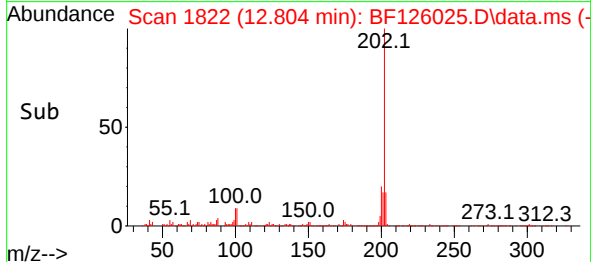
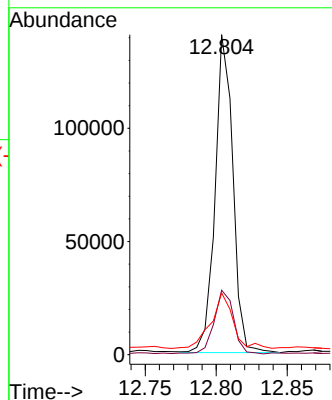
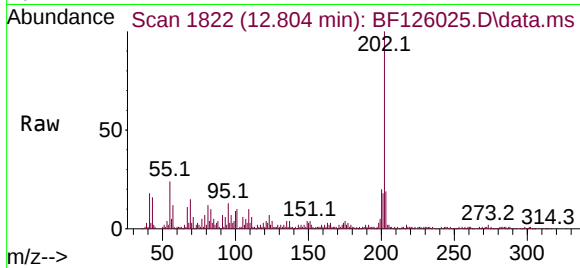




#78
Pyrene
Concen: 4.788 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

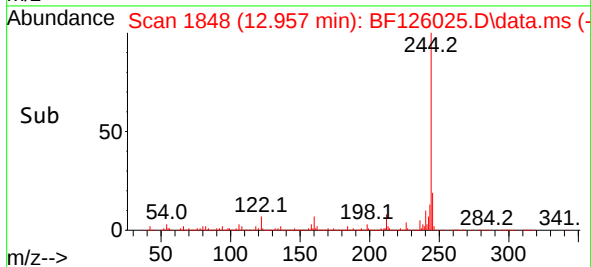
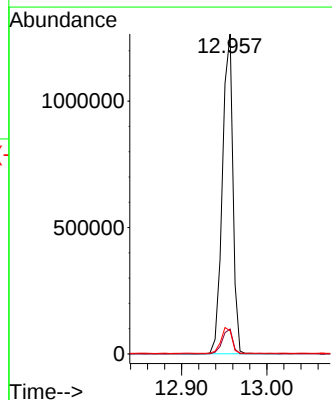
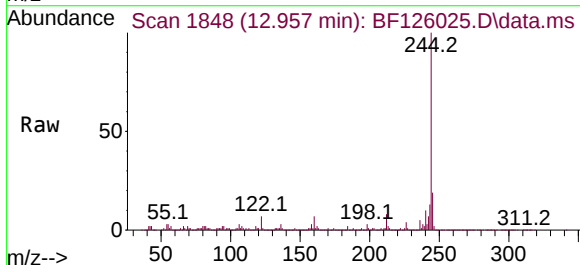
Instrument :
BNA_F
ClientSampleId :

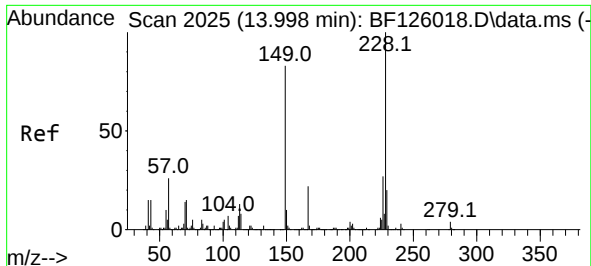
Tgt Ion:202 Resp: 122703
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 19.3 13.4 20.0



#79
Terphenyl-d14
Concen: 54.601 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

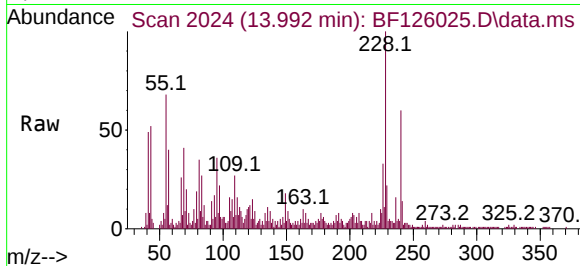
Tgt Ion:244 Resp: 1081984
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 7.3 9.0 13.4#



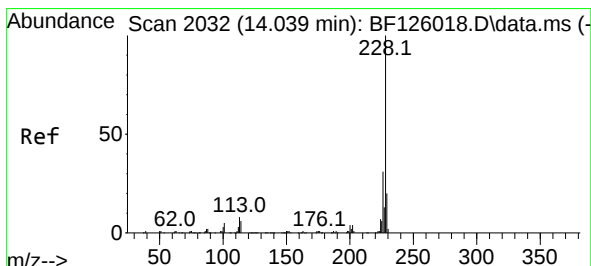
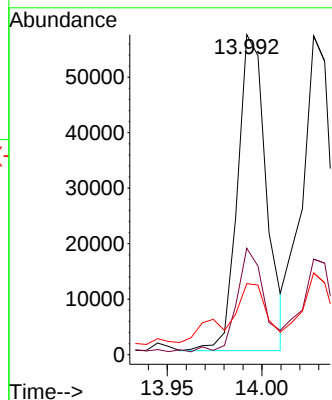
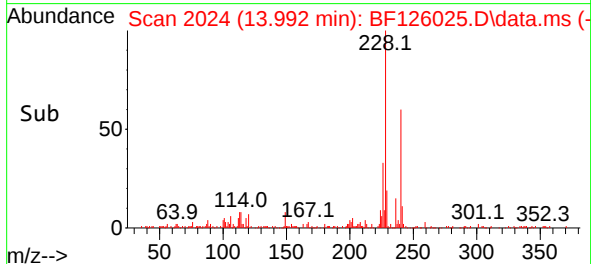


#81
Benzo(a)anthracene
Concen: 2.746 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16

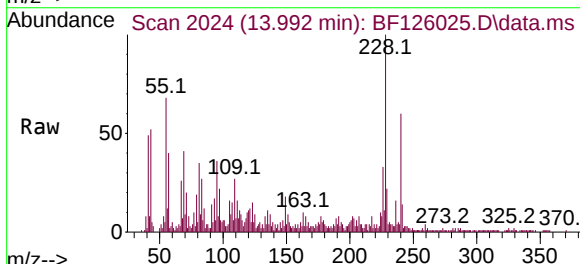
Instrument :
BNA_F
ClientSampleId :



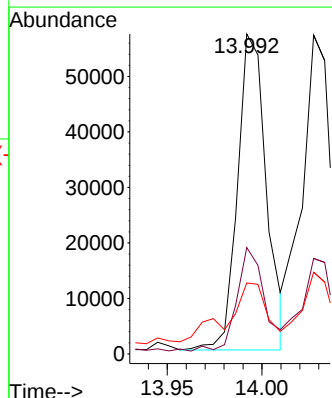
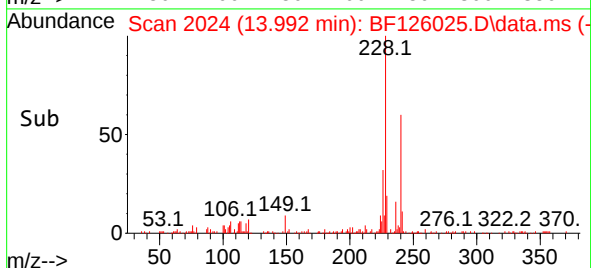
Tgt Ion:228 Resp: 60286
Ion Ratio Lower Upper
228 100
226 33.3 21.6 32.4#
229 22.2 15.6 23.4

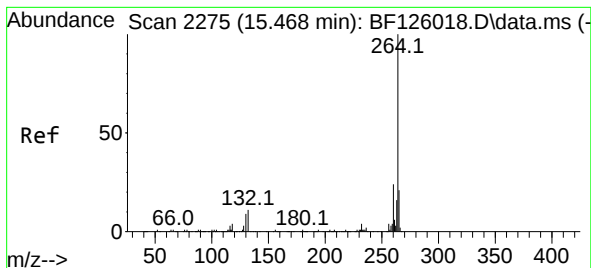


#83
Chrysene
Concen: 2.951 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.047 min
Lab File: BF126025.D
Acq: 3 Nov 2021 18:16



Tgt Ion:228 Resp: 60286
Ion Ratio Lower Upper
228 100
226 33.3 22.6 34.0
229 22.2 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: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

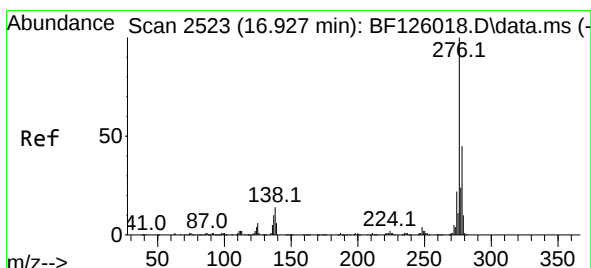
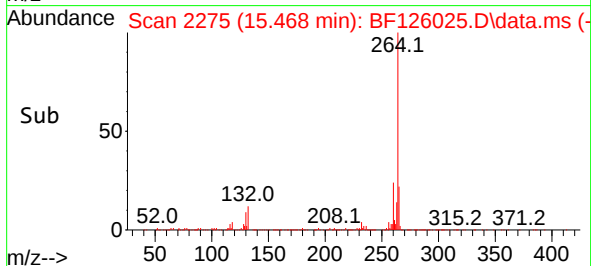
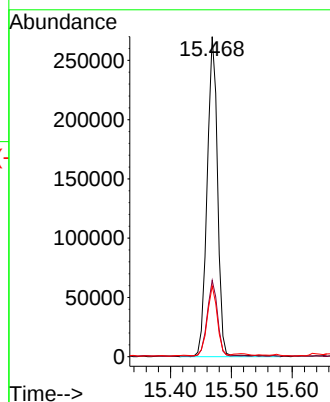
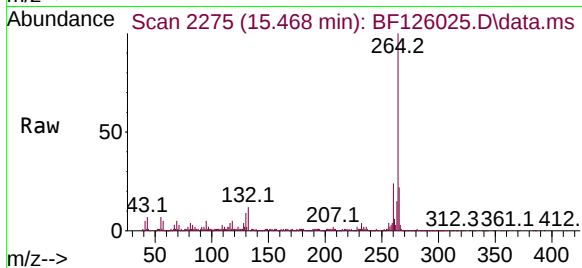
Tgt Ion:264 Resp: 321740

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 22.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.174 ng

RT: 16.909 min Scan# 2520

Delta R.T. -0.018 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

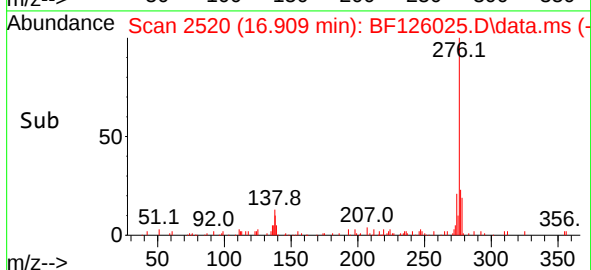
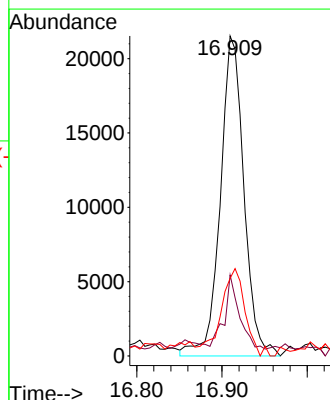
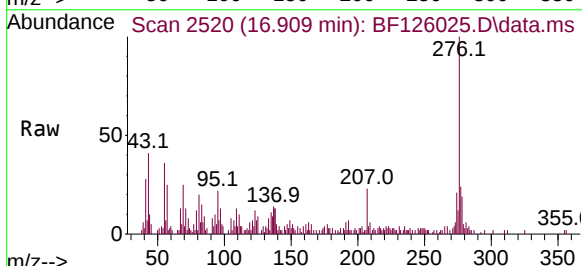
Tgt Ion:276 Resp: 41409

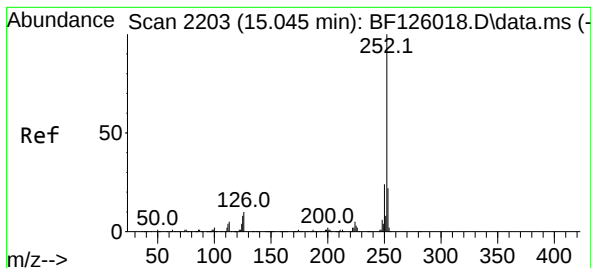
Ion Ratio Lower Upper

276 100

138 14.7 24.1 36.1#

277 28.2 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 4.618 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

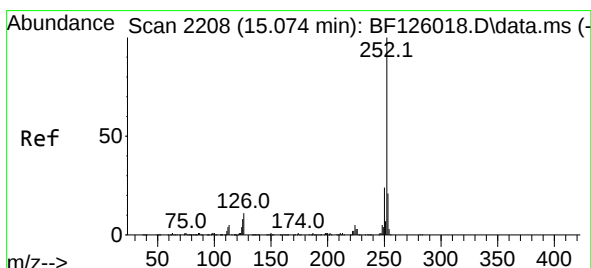
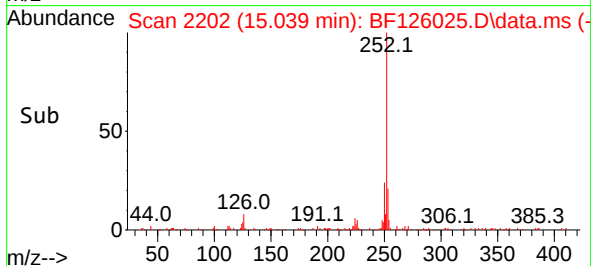
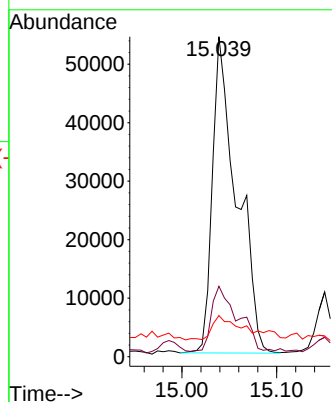
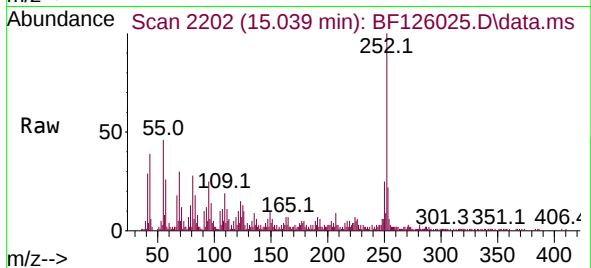
Tgt Ion:252 Resp: 96640

Ion Ratio Lower Upper

252 100

253 22.0 16.8 25.2

125 12.9 9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 4.760 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.035 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

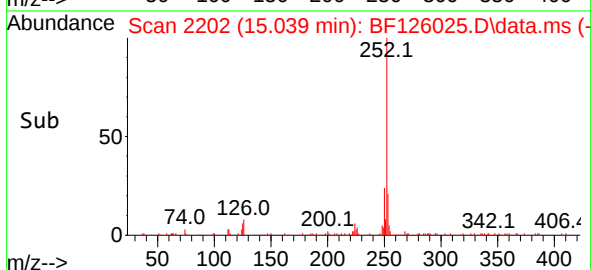
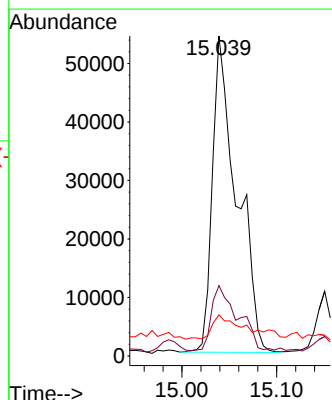
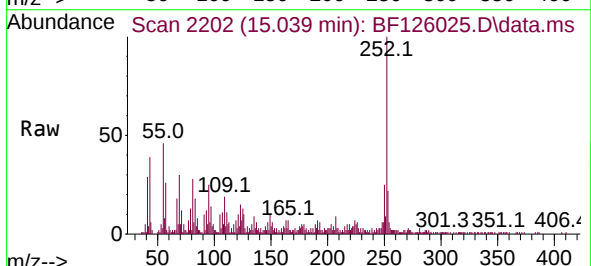
Tgt Ion:252 Resp: 96640

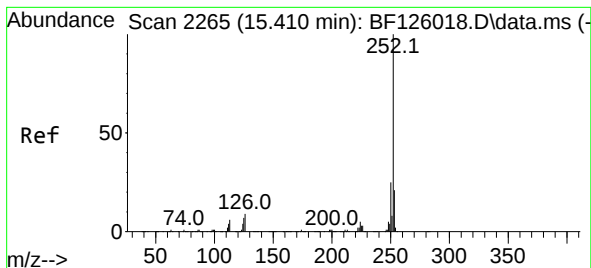
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 12.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.914 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Instrument :

BNA_F

ClientSampleId :

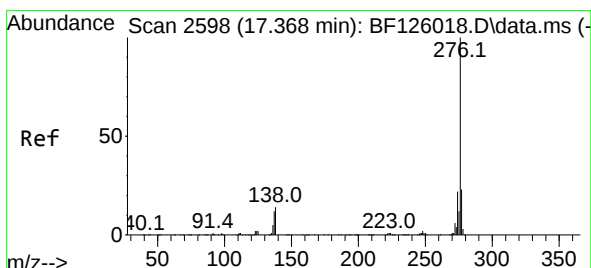
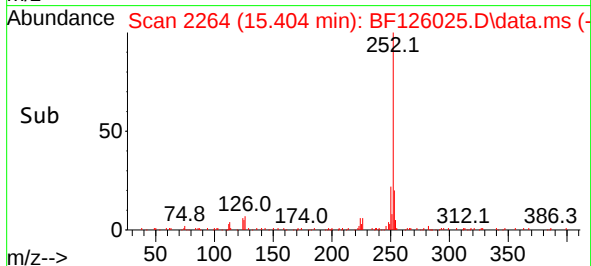
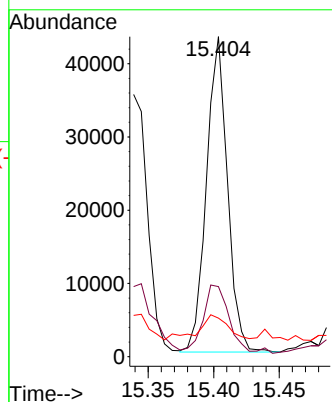
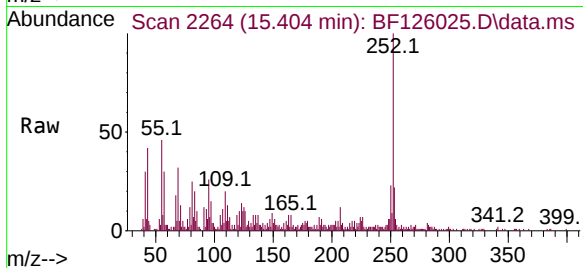
Tgt Ion:252 Resp: 48053

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

125 12.0 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 2.862 ng

RT: 17.345 min Scan# 2594

Delta R.T. -0.023 min

Lab File: BF126025.D

Acq: 3 Nov 2021 18:16

Tgt Ion:276 Resp: 42933

Ion Ratio Lower Upper

276 100

277 23.7 22.0 33.0

138 17.0 22.2 33.4#

