

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110921\
 Data File : BF126096.D
 Acq On : 9 Nov 2021 23:08
 Operator : JU/CG
 Sample : M4523-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-BD

Quant Time: Nov 10 10:05:33 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)

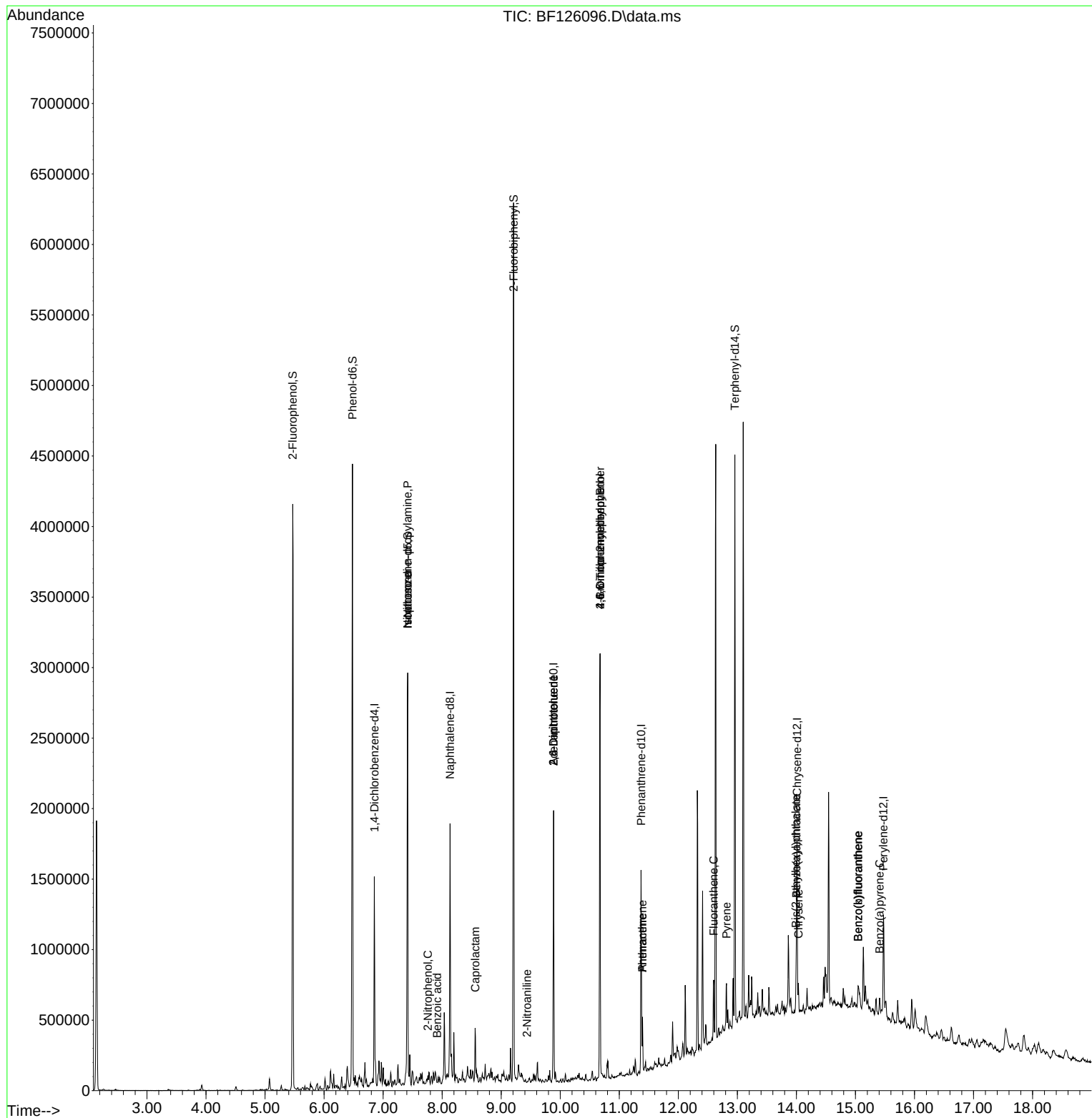
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	180244	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	635902	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	337250	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	481021	20.000	ng	0.00
76) Chrysene-d12	14.010	240	378985	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	328476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1007327	95.973	ng	0.00
7) Phenol-d6	6.481	99	1263370	85.387	ng	0.00
23) Nitrobenzene-d5	7.416	82	928184	68.837	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	327269	84.677	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1632930	65.432	ng	0.00
79) Terphenyl-d14	12.957	244	1207082	51.360	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	9659	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.416	70	142063	14.564	ng	# 58
25) Isophorone	7.416	82	918704	37.843	ng	# 59
26) 2-Nitrophenol	7.757	139	345	4.694	ng	# 1
32) Benzoic acid	7.916	122	538	9.221	ng	# 1
35) Caprolactam	8.563	113	7071	2.542	ng	# 35
48) 2-Nitroaniline	9.439	65	253	2.885	ng	# 27
51) 2,6-Dinitrotoluene	9.886	165	43726	10.390	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	43726	9.902	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.674	198	901	8.638	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	21074	3.617	ng	# 1
71) Phenanthrene	11.392	178	117383	4.500	ng	99
72) Anthracene	11.392	178	117383	4.507	ng	98
75) Fluoranthene	12.598	202	168824	5.812	ng	94
78) Pyrene	12.816	202	151981	5.001	ng	97
81) Benzo(a)anthracene	13.998	228	78314	3.008	ng	99
83) Chrysene	14.033	228	73105	3.018	ng	95
84) Bis(2-ethylhexyl)phtha...	13.992	149	43369	2.827	ng	# 99
88) Benzo(b)fluoranthene	15.045	252	111840	5.235	ng	# 93
89) Benzo(k)fluoranthene	15.045	252	111840	5.396	ng	# 92
90) Benzo(a)pyrene	15.409	252	54316	3.227	ng	96

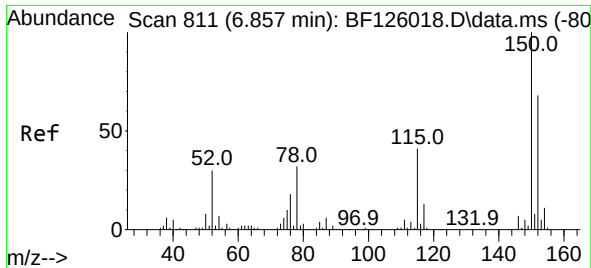
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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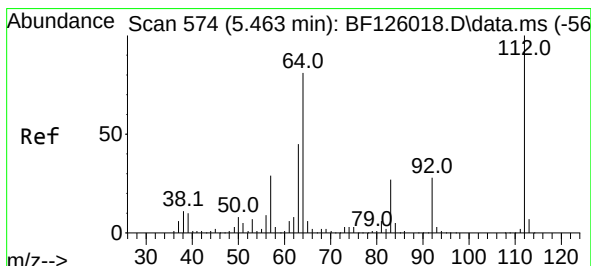
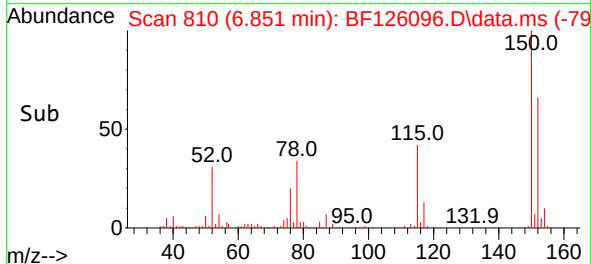
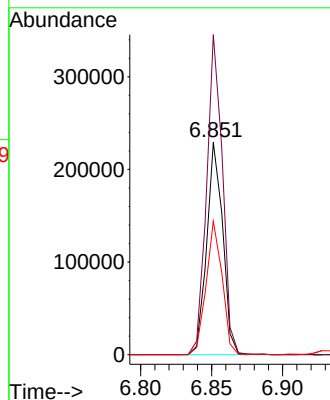
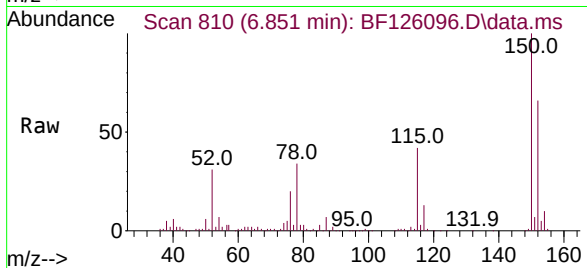




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

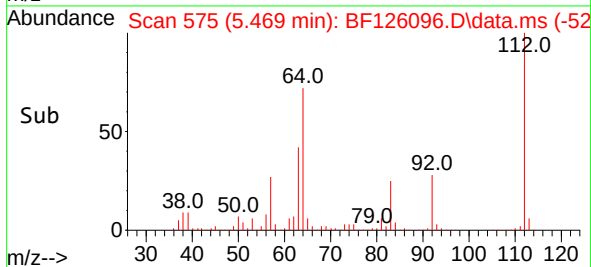
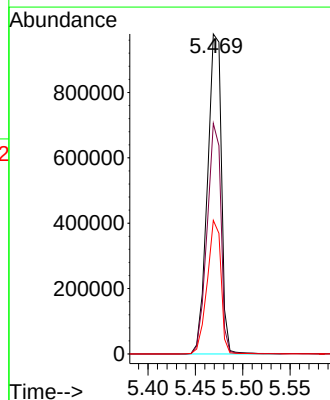
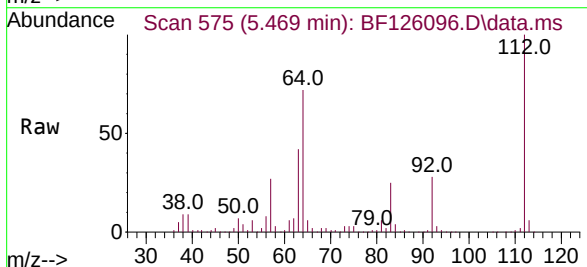
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-BD

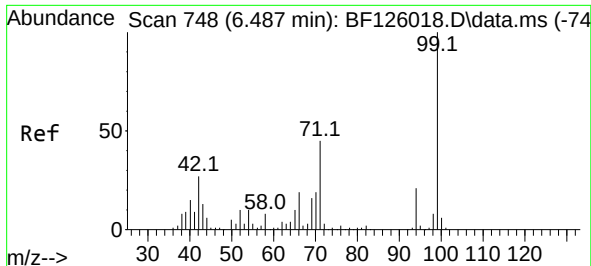
Tgt Ion:152 Resp: 180244
Ion Ratio Lower Upper
152 100
150 150.7 117.6 176.4
115 62.9 47.1 70.7



#5
2-Fluorophenol
Concen: 95.973 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:112 Resp: 1007327
Ion Ratio Lower Upper
112 100
64 72.1 44.2 66.2#
63 41.8 26.2 39.2#

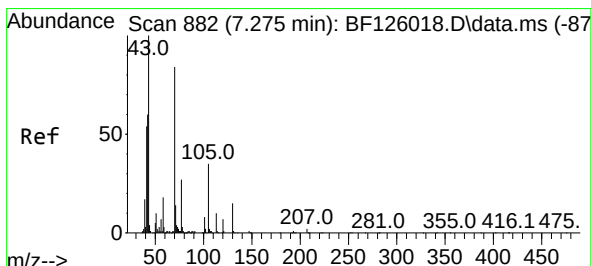
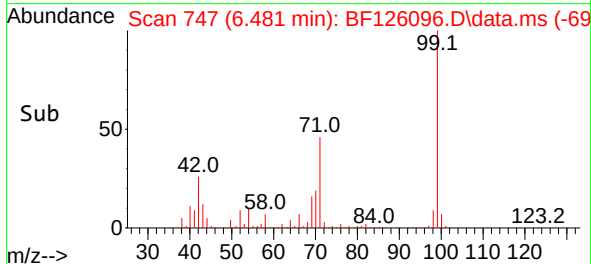
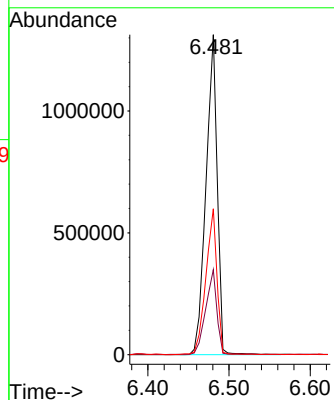
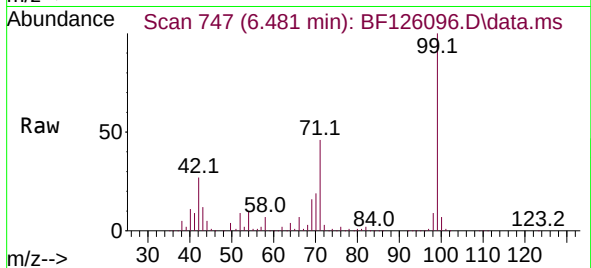




#7
Phenol-d6
Concen: 85.387 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

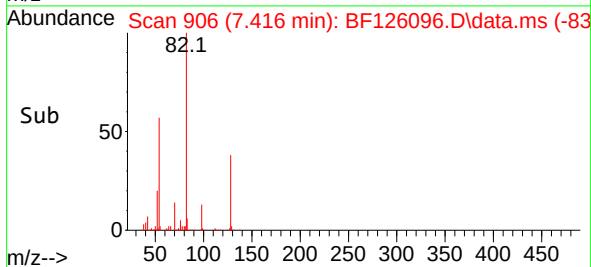
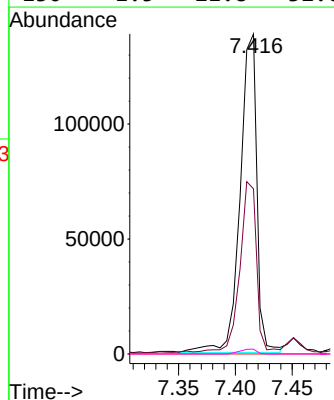
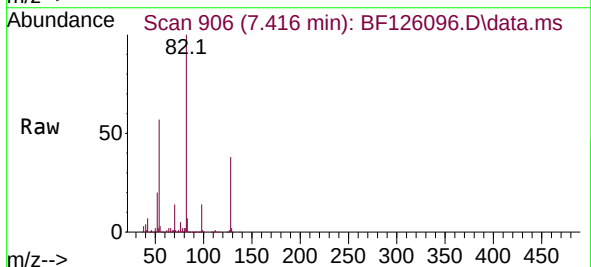
Instrument :
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ClientSampleId :
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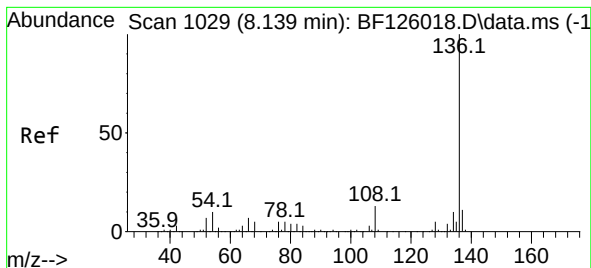
Tgt Ion: 99 Resp: 1263370
Ion Ratio Lower Upper
99 100
42 26.5 23.5 35.3
71 45.6 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 14.564 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion: 70 Resp: 142063
Ion Ratio Lower Upper
70 100
42 51.6 72.2 108.2#
101 0.0 7.8 11.8#
130 1.5 21.8 32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.133 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-BD

Tgt Ion:136 Resp: 635902

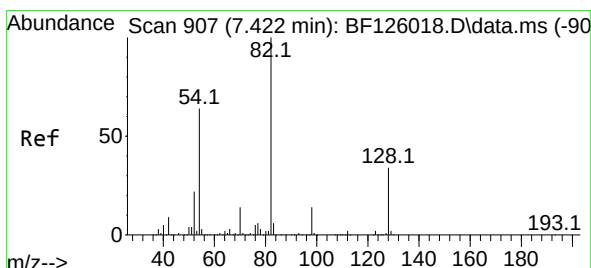
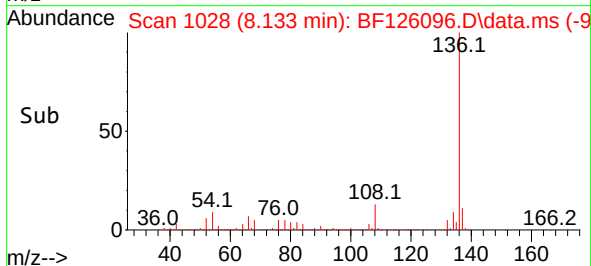
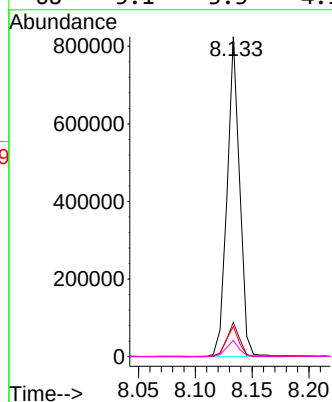
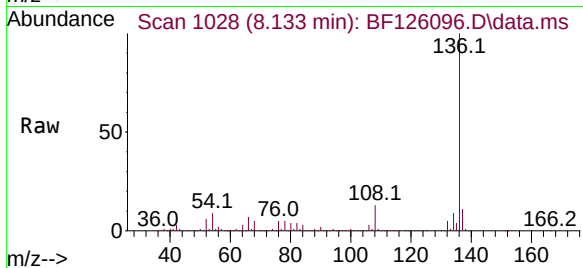
Ion Ratio Lower Upper

136 100

137 10.8 9.8 14.6

54 9.4 6.4 9.6

68 5.1 3.3 4.9#



#23

Nitrobenzene-d5

Concen: 68.837 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

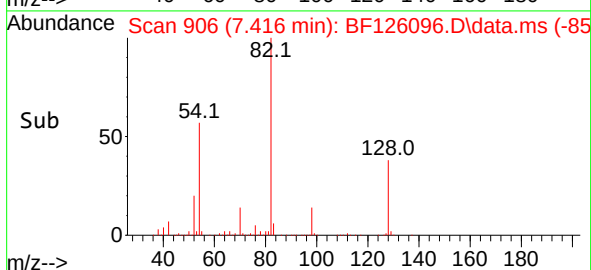
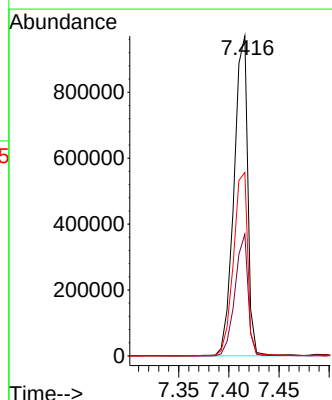
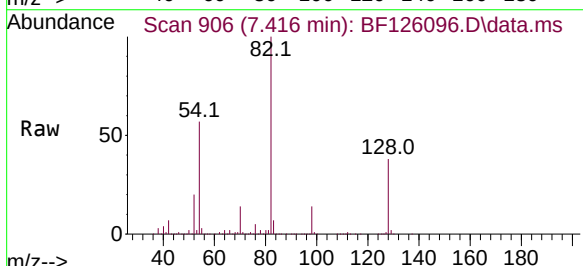
Tgt Ion: 82 Resp: 928184

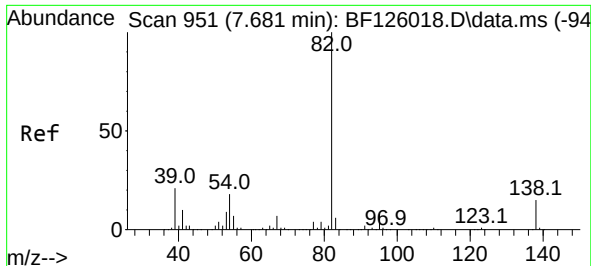
Ion Ratio Lower Upper

82 100

128 38.0 40.6 60.8#

54 57.4 49.6 74.4

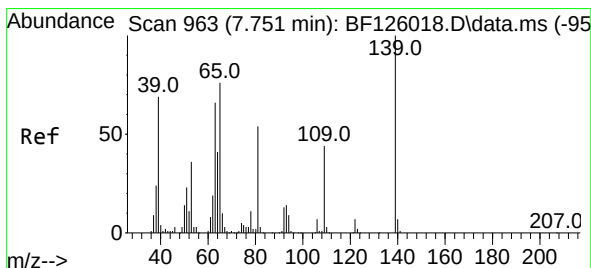
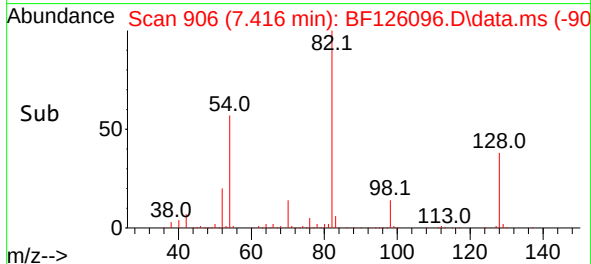
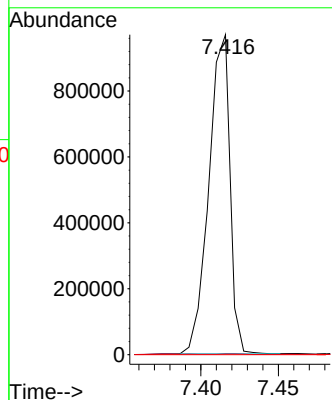
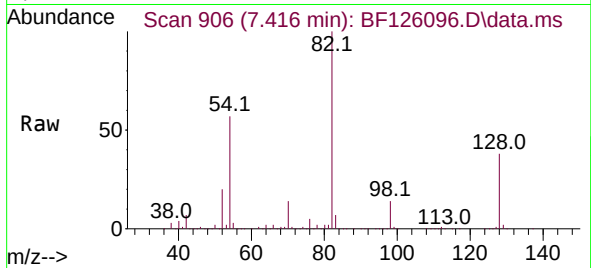




#25
Isophorone
Concen: 37.843 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

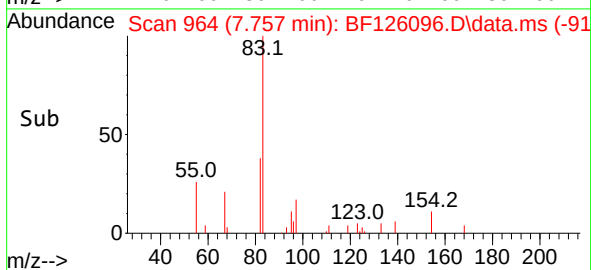
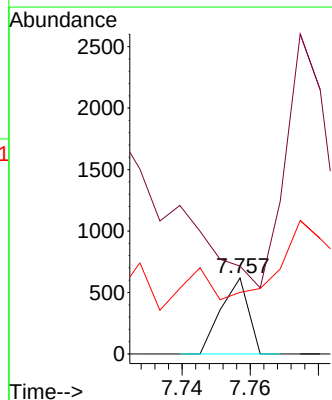
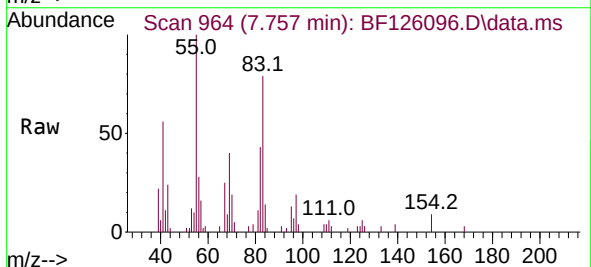
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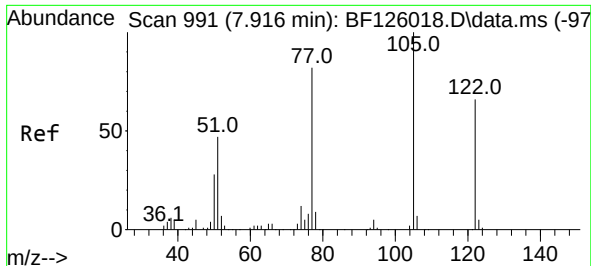
Tgt Ion: 82 Resp: 918704
Ion Ratio Lower Upper
82 100
95 0.2 6.5 9.7#
138 0.0 18.4 27.6#



#26
2-Nitrophenol
Concen: 4.694 ng
RT: 7.757 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:139 Resp: 345
Ion Ratio Lower Upper
139 100
109 115.5 26.0 39.0#
65 81.1 31.0 46.4#

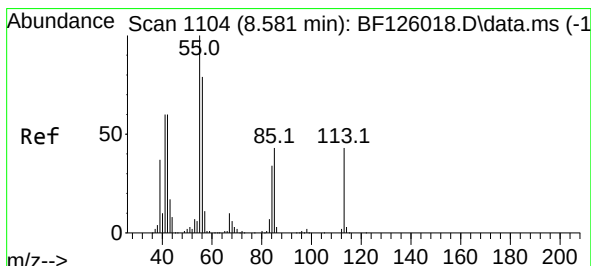
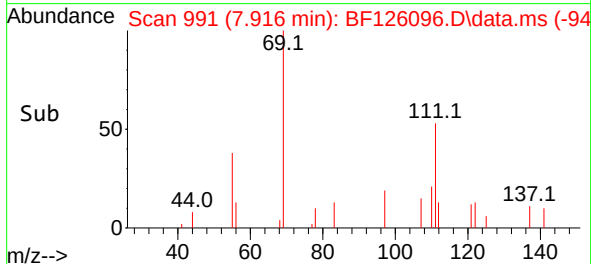
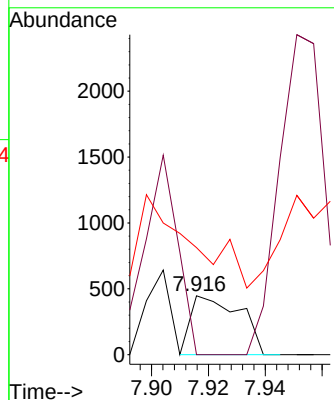
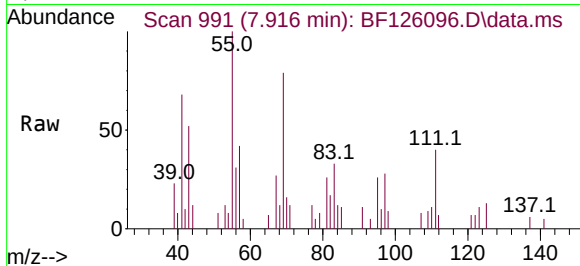




#32
Benzoic acid
Concen: 9.221 ng
RT: 7.916 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

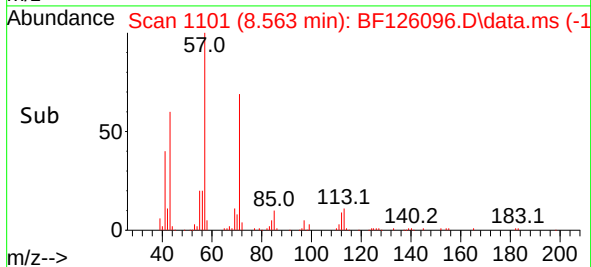
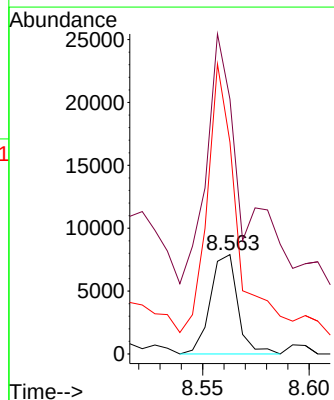
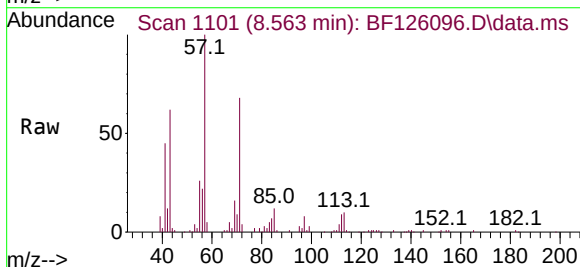
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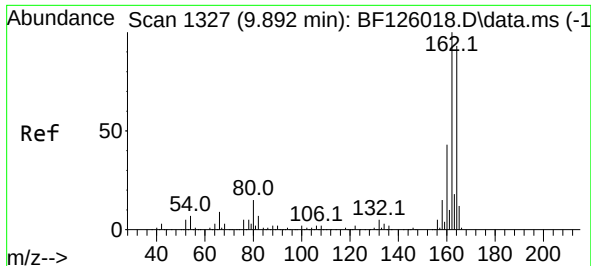
Tgt Ion:122 Resp: 538
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 181.9 59.6 99.6#



#35
Caprolactam
Concen: 2.542 ng
RT: 8.563 min Scan# 1101
Delta R.T. -0.018 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:113 Resp: 7071
Ion Ratio Lower Upper
113 100
55 256.4 154.1 194.1#
56 213.1 108.7 148.7#

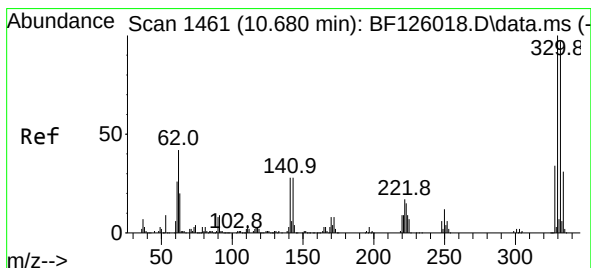
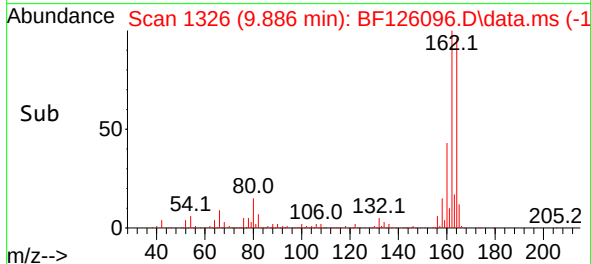
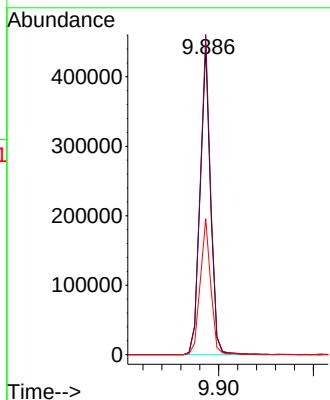
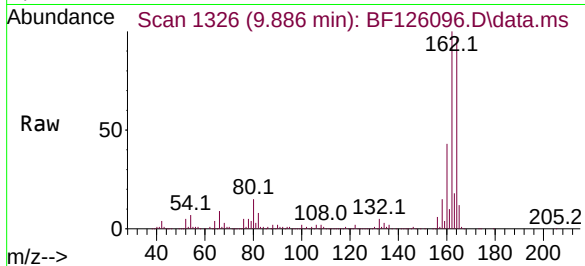




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

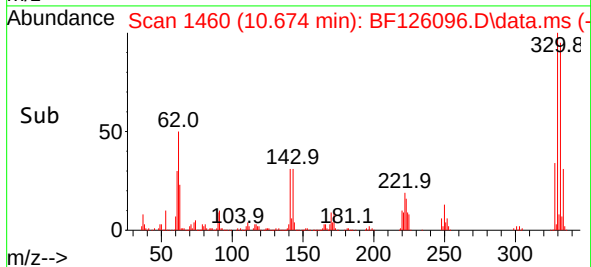
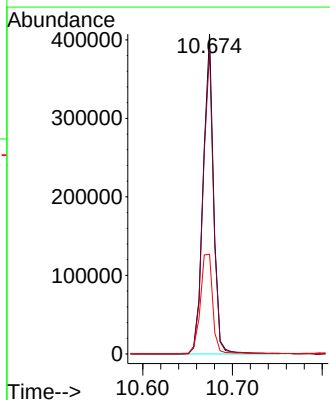
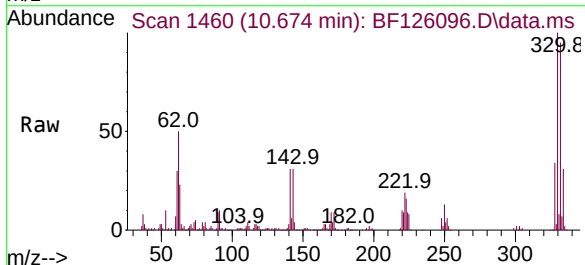
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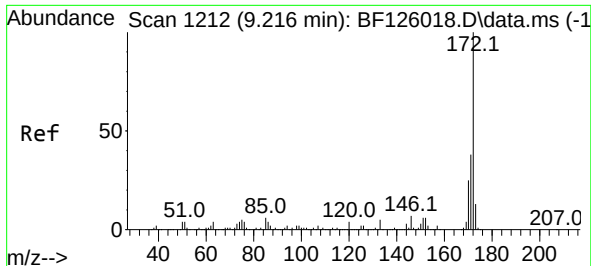
Tgt Ion:164 Resp: 337250
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 44.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 84.677 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:330 Resp: 327269
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 37.1 44.6 66.8#

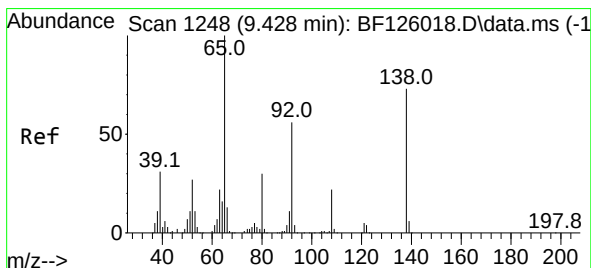
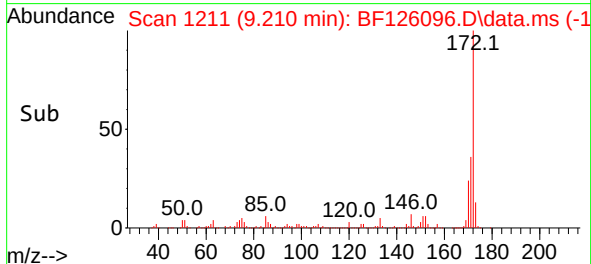
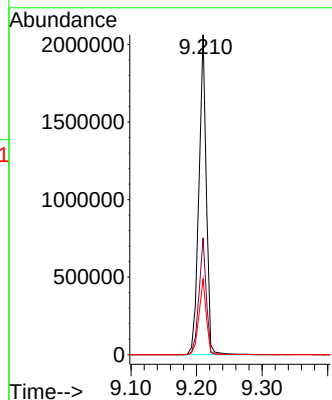
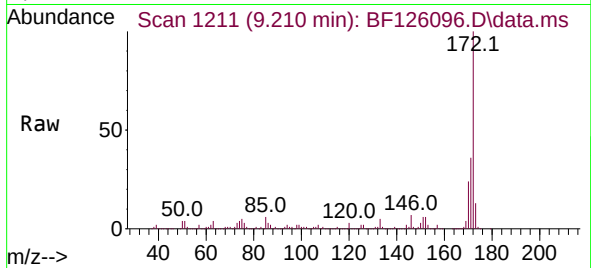




#45
2-Fluorobiphenyl
Concen: 65.432 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

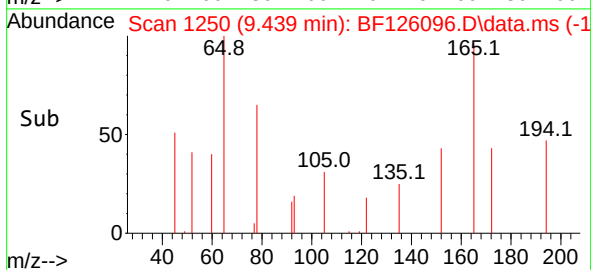
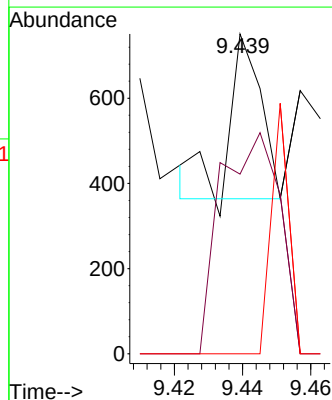
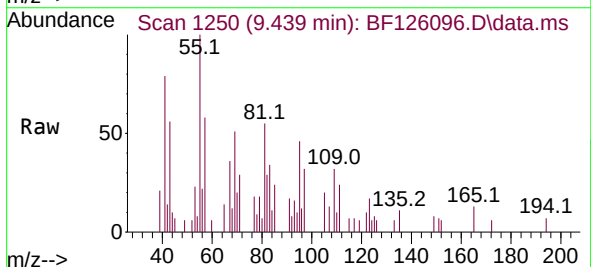
Instrument :
BNA_F
ClientSampleId :
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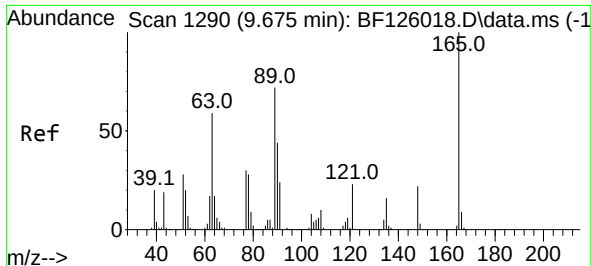
Tgt Ion:172 Resp: 1632930
Ion Ratio Lower Upper
172 100
171 36.5 26.5 39.7
170 23.6 18.8 28.2



#48
2-Nitroaniline
Concen: 2.885 ng
RT: 9.439 min Scan# 1250
Delta R.T. 0.011 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion: 65 Resp: 253
Ion Ratio Lower Upper
65 100
92 56.2 55.5 83.3
138 0.0 93.5 140.3#

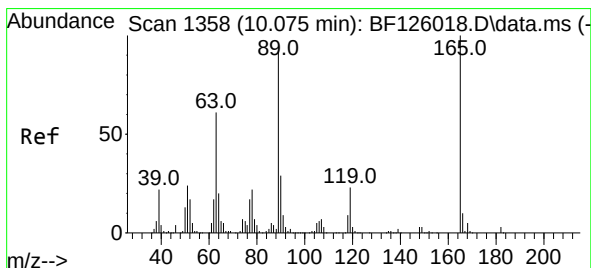
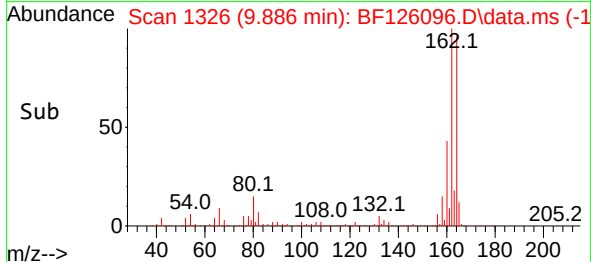
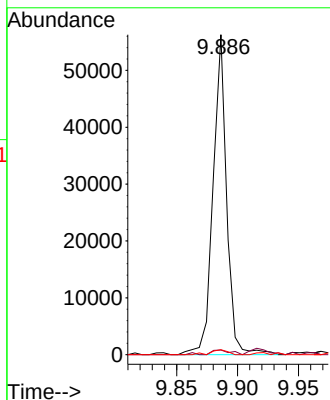
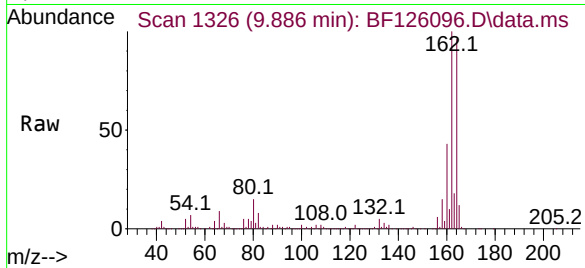




#51
2,6-Dinitrotoluene
Concen: 10.390 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

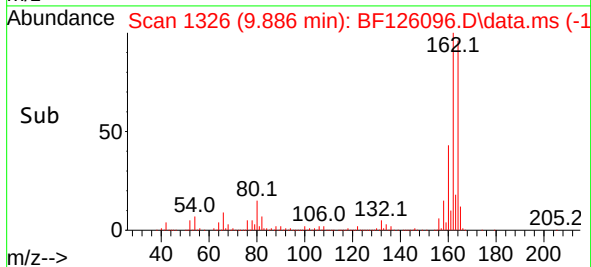
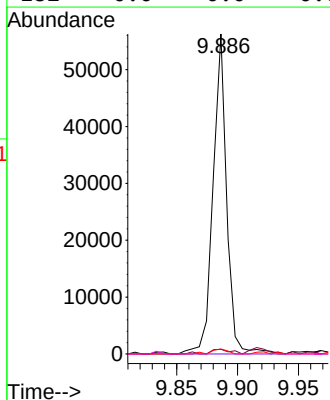
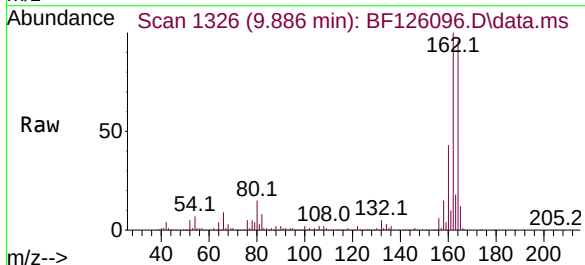
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-BD

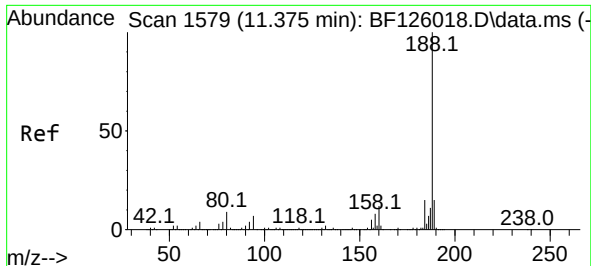
Tgt Ion:165 Resp: 43726
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.5 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.902 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:165 Resp: 43726
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0

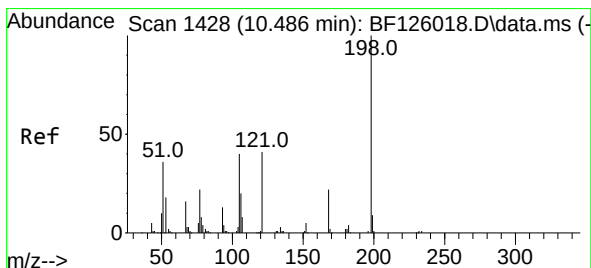
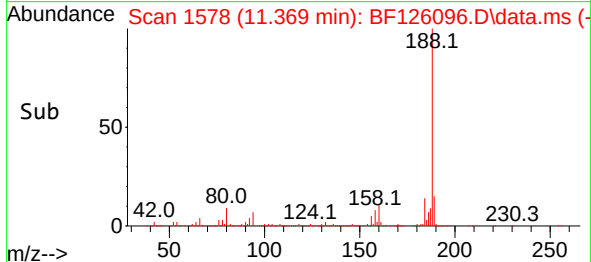
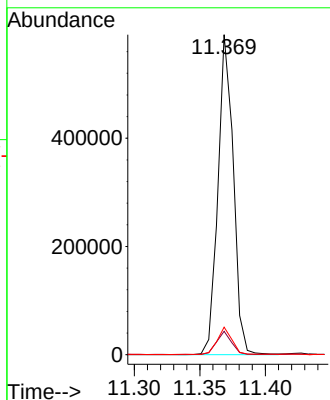
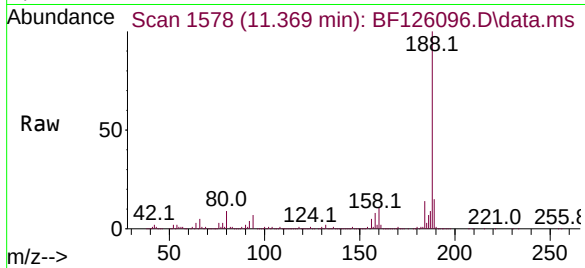




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

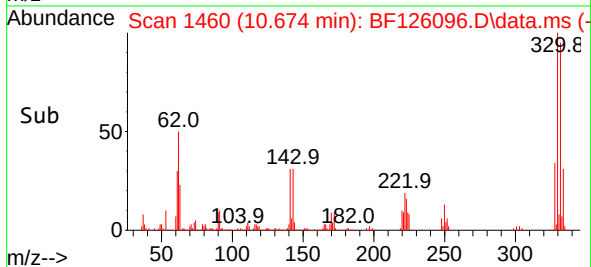
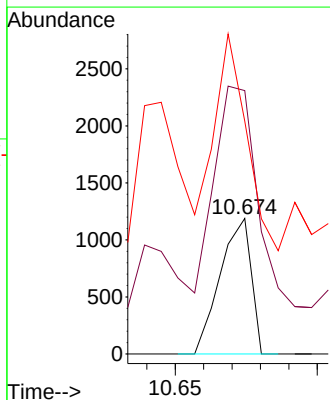
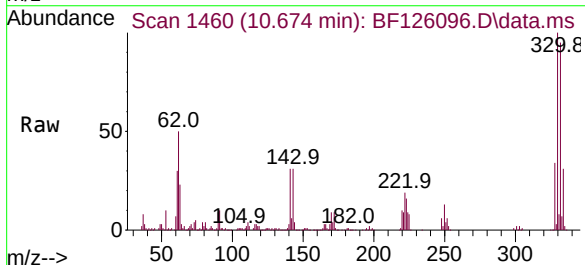
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-BD

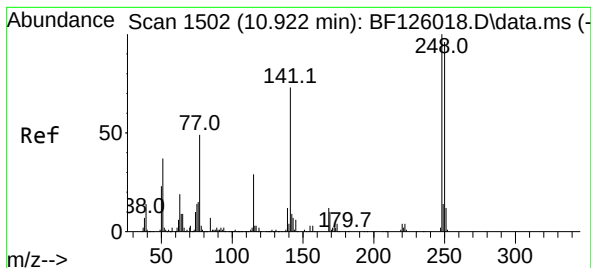
Tgt Ion:188 Resp: 481021
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.6 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.638 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:198 Resp: 901
Ion Ratio Lower Upper
198 100
51 194.4 45.3 85.3#
105 171.9 30.6 70.6#

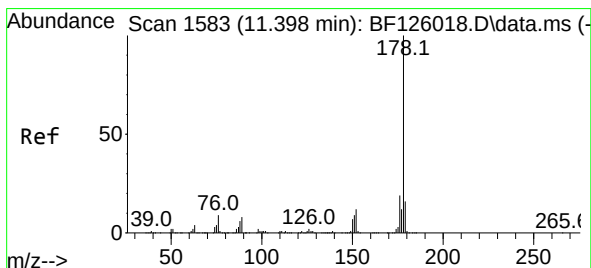
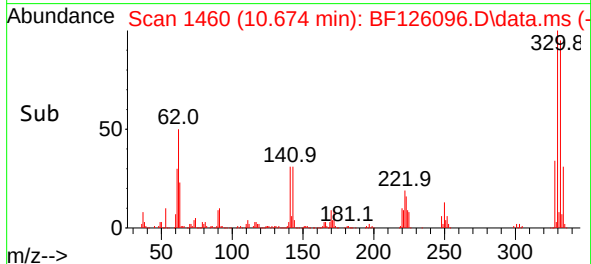
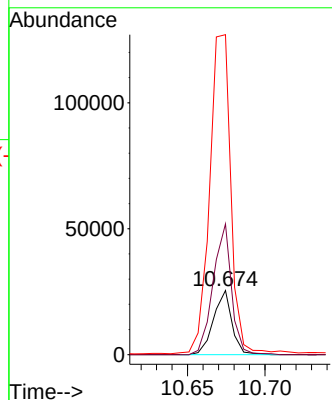
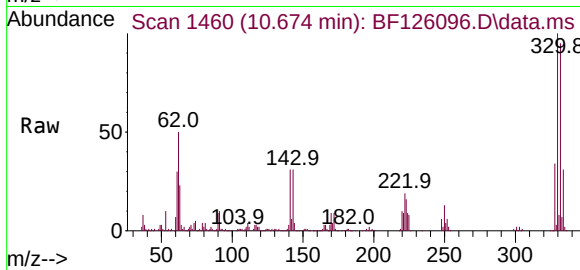




#67
4-Bromophenyl-phenylether
Concen: 3.617 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

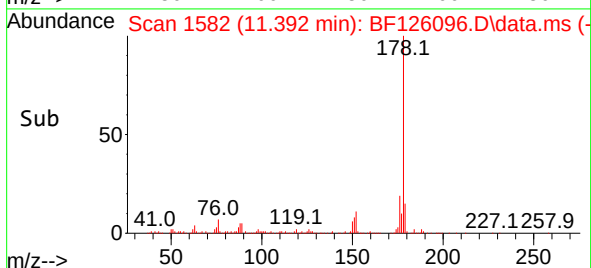
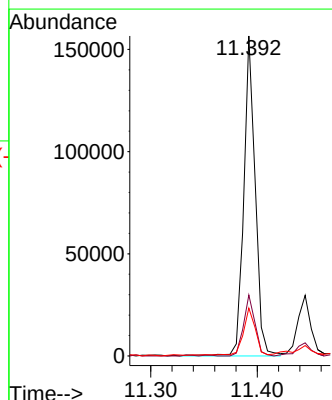
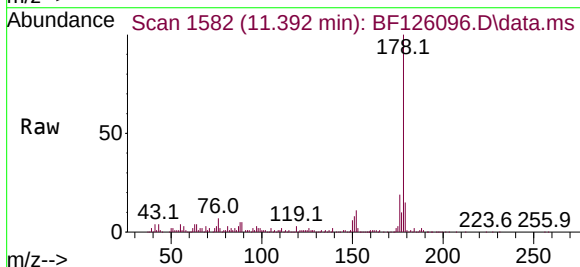
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-BD

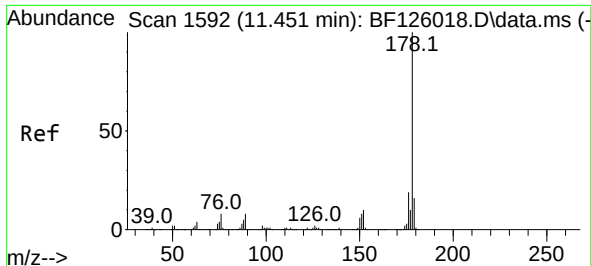
Tgt Ion:248 Resp: 21074
Ion Ratio Lower Upper
248 100
250 203.9 74.2 111.4#
141 499.1 60.4 90.6#



#71
Phenanthrene
Concen: 4.500 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:178 Resp: 117383
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.0 11.5 17.3

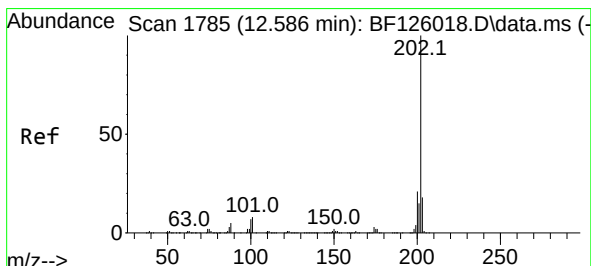
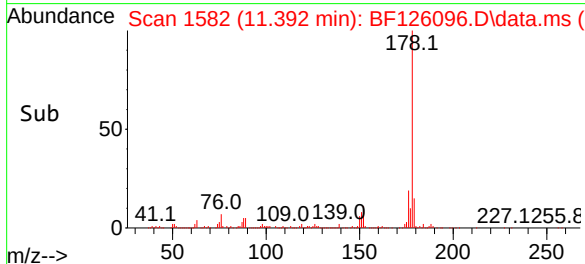
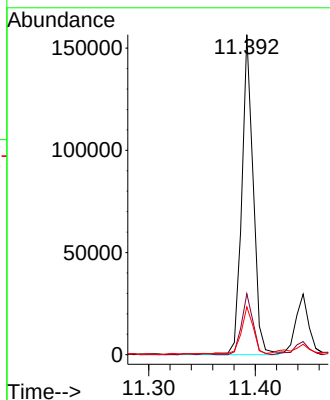
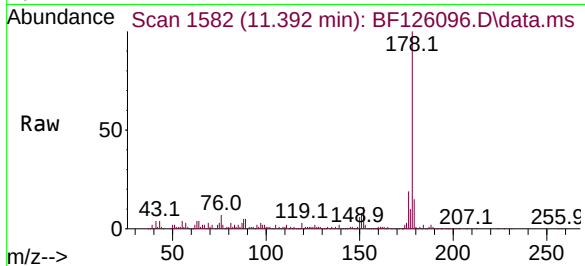




#72
 Anthracene
 Concen: 4.507 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF126096.D
 Acq: 9 Nov 2021 23:08

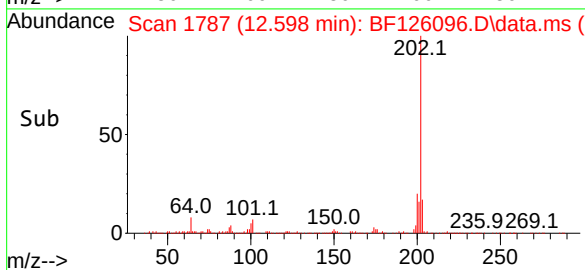
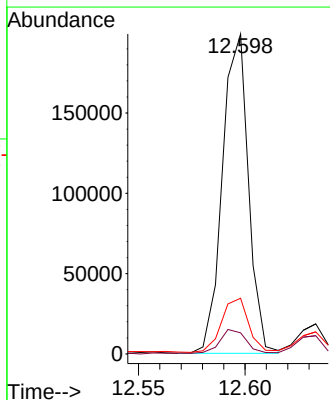
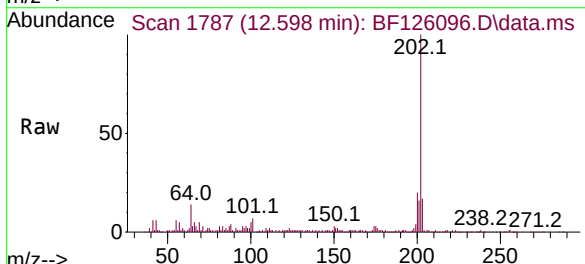
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-BD

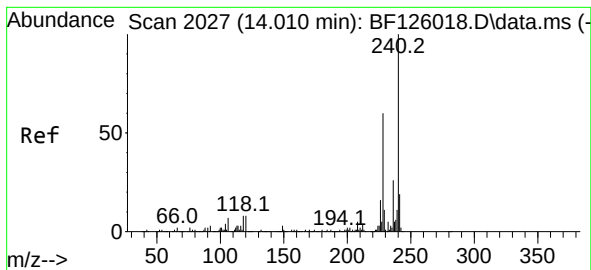
Tgt Ion:178 Resp: 117383
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.3 21.5
 179 15.0 12.2 18.4



#75
 Fluoranthene
 Concen: 5.812 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.012 min
 Lab File: BF126096.D
 Acq: 9 Nov 2021 23:08

Tgt Ion:202 Resp: 168824
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 30.7
 203 17.4 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-BD

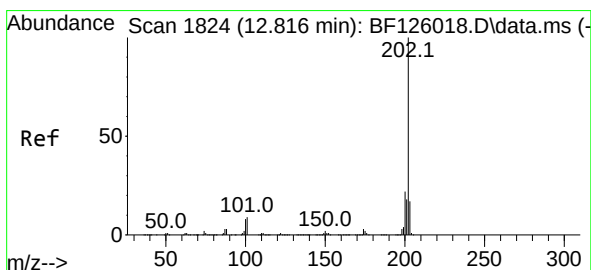
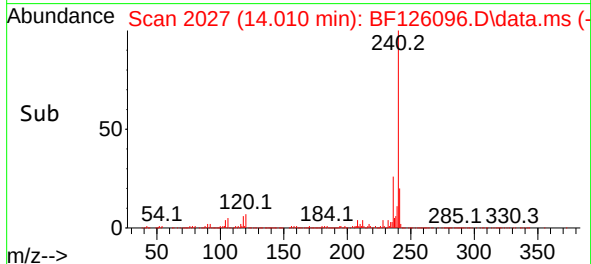
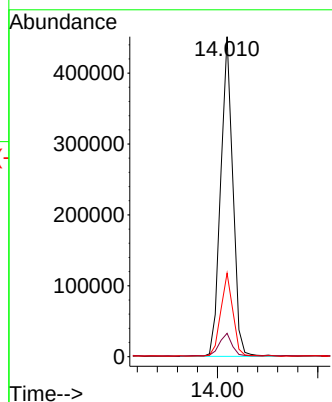
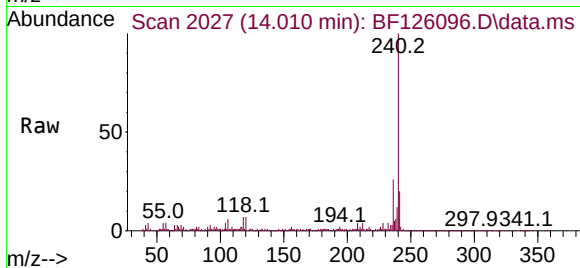
Tgt Ion:240 Resp: 378985

Ion Ratio Lower Upper

240 100

120 7.3 10.8 16.2#

236 26.1 21.6 32.4



#78

Pyrene

Concen: 5.001 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.001 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

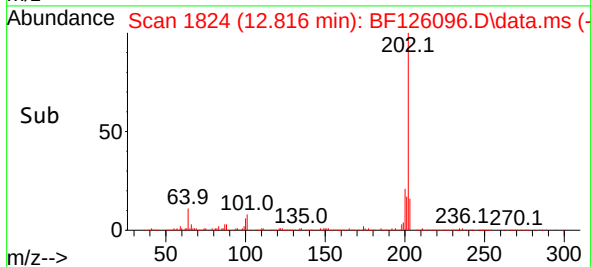
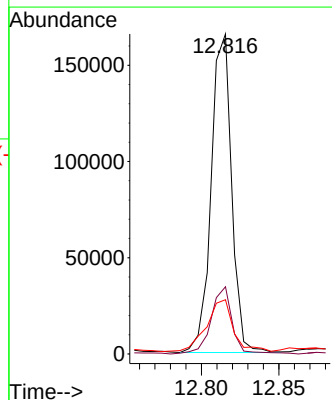
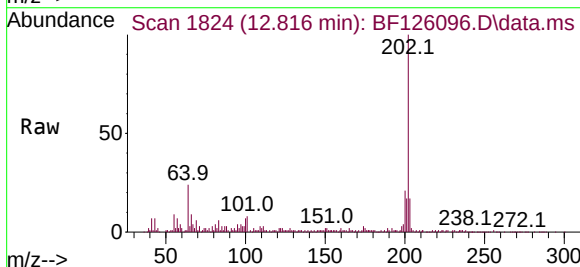
Tgt Ion:202 Resp: 151981

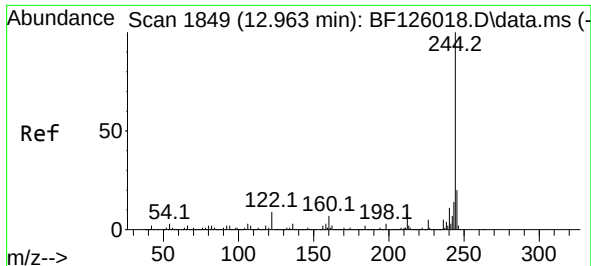
Ion Ratio Lower Upper

202 100

200 21.0 15.3 22.9

203 16.9 13.4 20.0

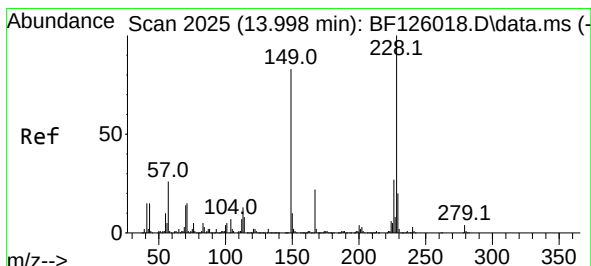
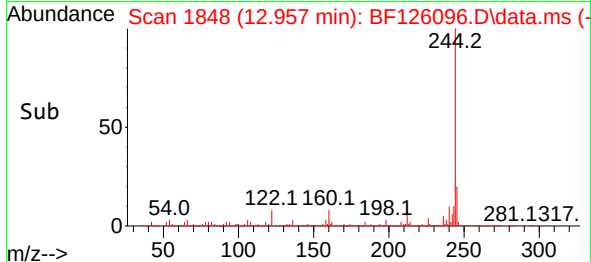
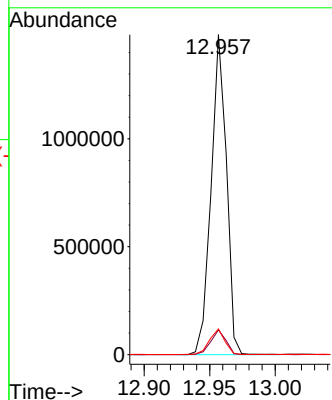
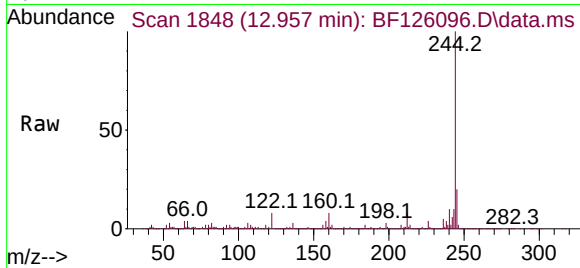




#79
 Terphenyl-d14
 Concen: 51.360 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126096.D
 Acq: 9 Nov 2021 23:08

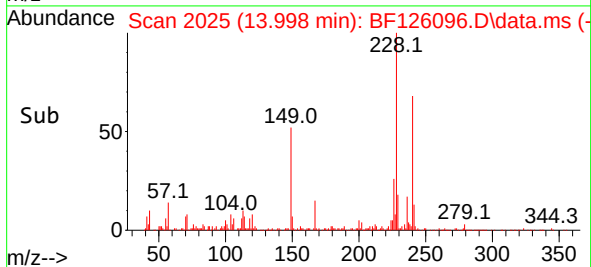
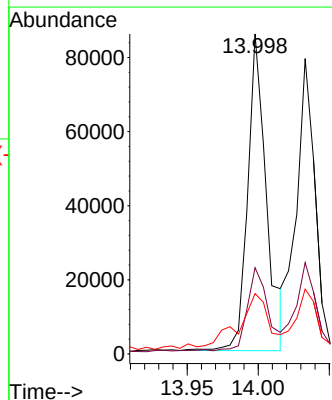
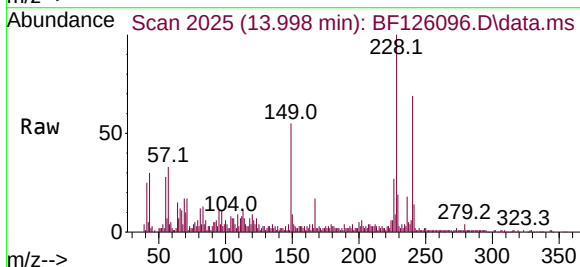
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-BD

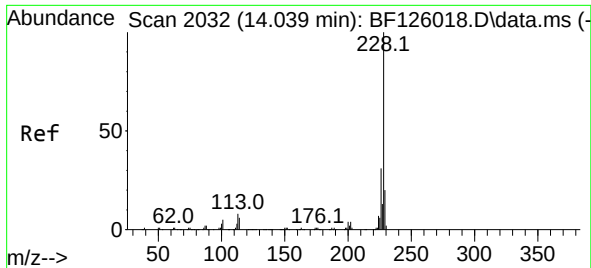
Tgt Ion:244 Resp: 1207082
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 8.0 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 3.008 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126096.D
 Acq: 9 Nov 2021 23:08

Tgt Ion:228 Resp: 78314
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.6 32.4
 229 18.9 15.6 23.4





#83

Chrysene

Concen: 3.018 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-BD

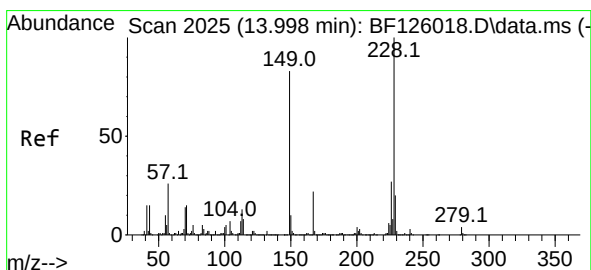
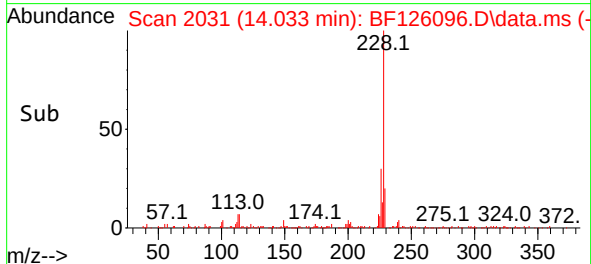
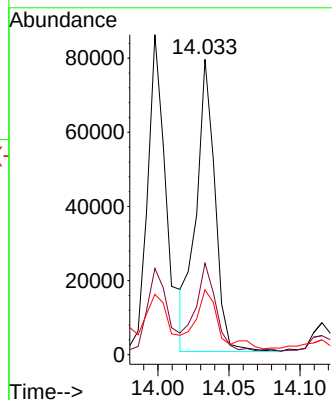
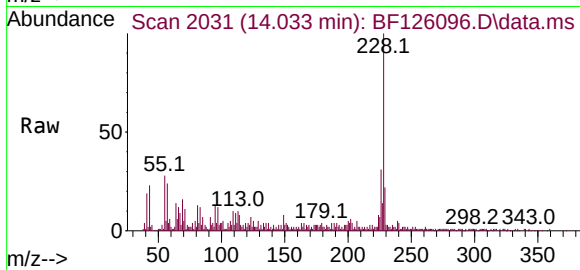
Tgt Ion:228 Resp: 73105

Ion Ratio Lower Upper

228 100

226 30.9 22.6 34.0

229 21.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.827 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

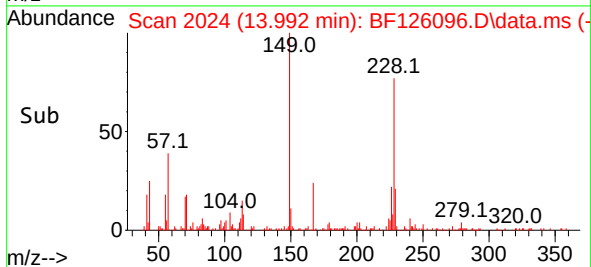
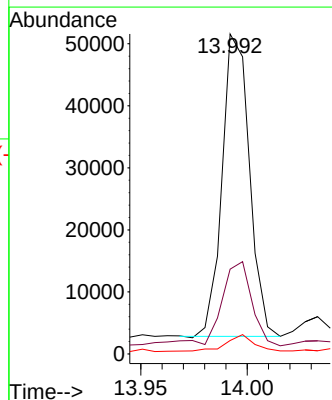
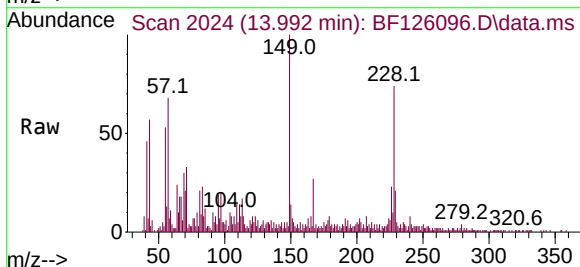
Tgt Ion:149 Resp: 43369

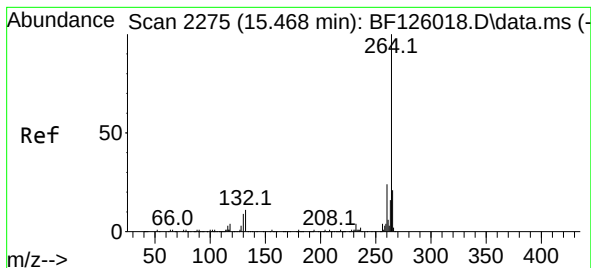
Ion Ratio Lower Upper

149 100

167 26.5 21.4 32.0

279 4.2 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-BD

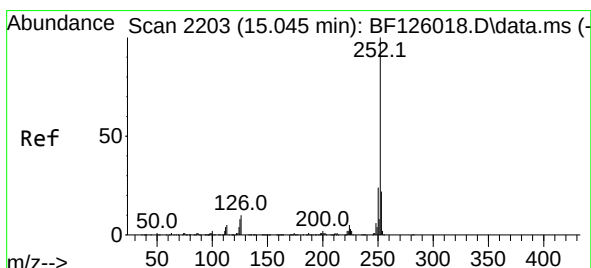
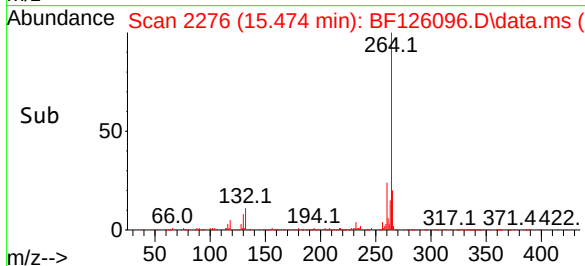
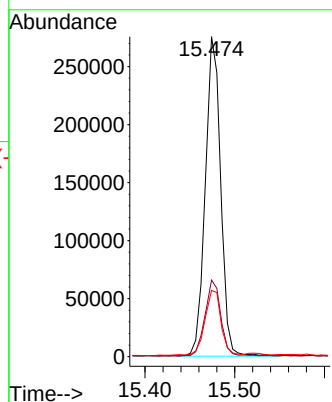
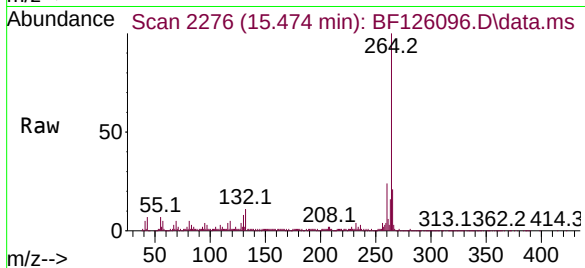
Tgt Ion:264 Resp: 328476

Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

265 20.7 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 5.235 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126096.D

Acq: 9 Nov 2021 23:08

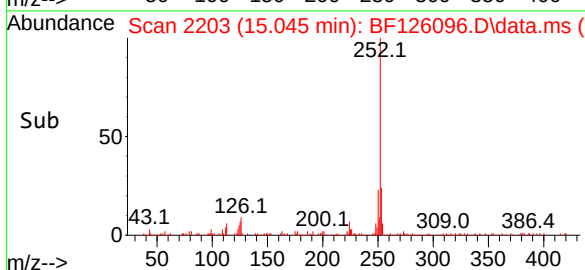
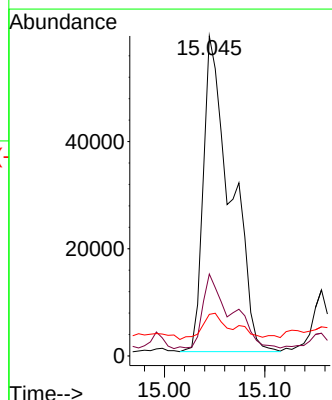
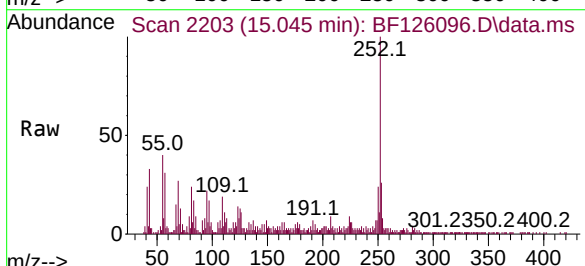
Tgt Ion:252 Resp: 111840

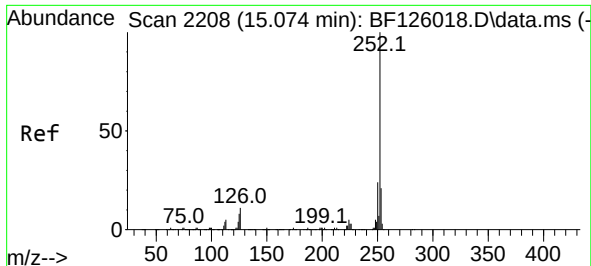
Ion Ratio Lower Upper

252 100

253 25.6 16.8 25.2#

125 13.0 9.8 14.8

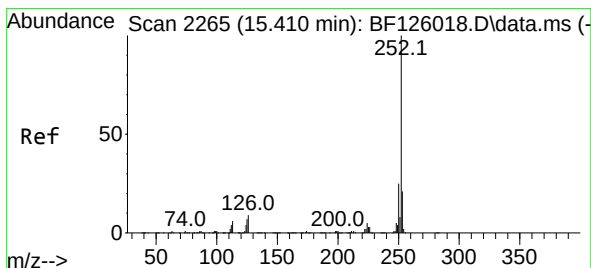
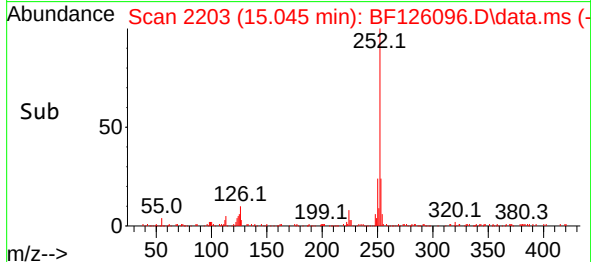
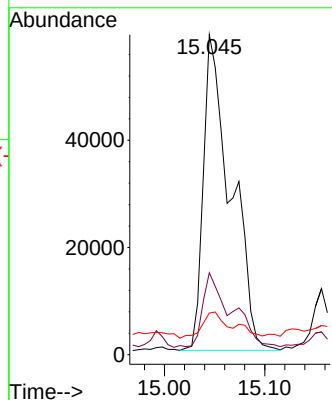
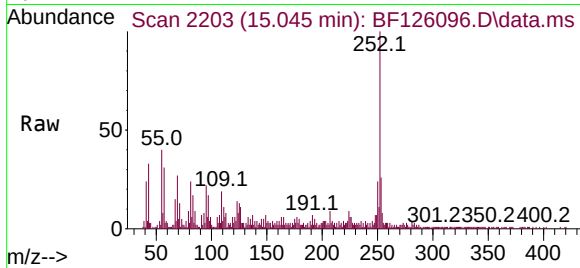




#89
Benzo(k)fluoranthene
Concen: 5.396 ng
RT: 15.045 min Scan# 211
Delta R.T. -0.030 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-BD

Tgt Ion:252 Resp: 111840
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 13.0 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.227 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.001 min
Lab File: BF126096.D
Acq: 9 Nov 2021 23:08

Tgt Ion:252 Resp: 54316
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 13.9 9.9 14.9

