

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110420\
 Data File : BF122270.D
 Acq On : 4 Nov 2020 18:43
 Operator : JU/CG
 Sample : L4621-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B8-110320-10-20

Quant Time: Nov 05 00:22:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

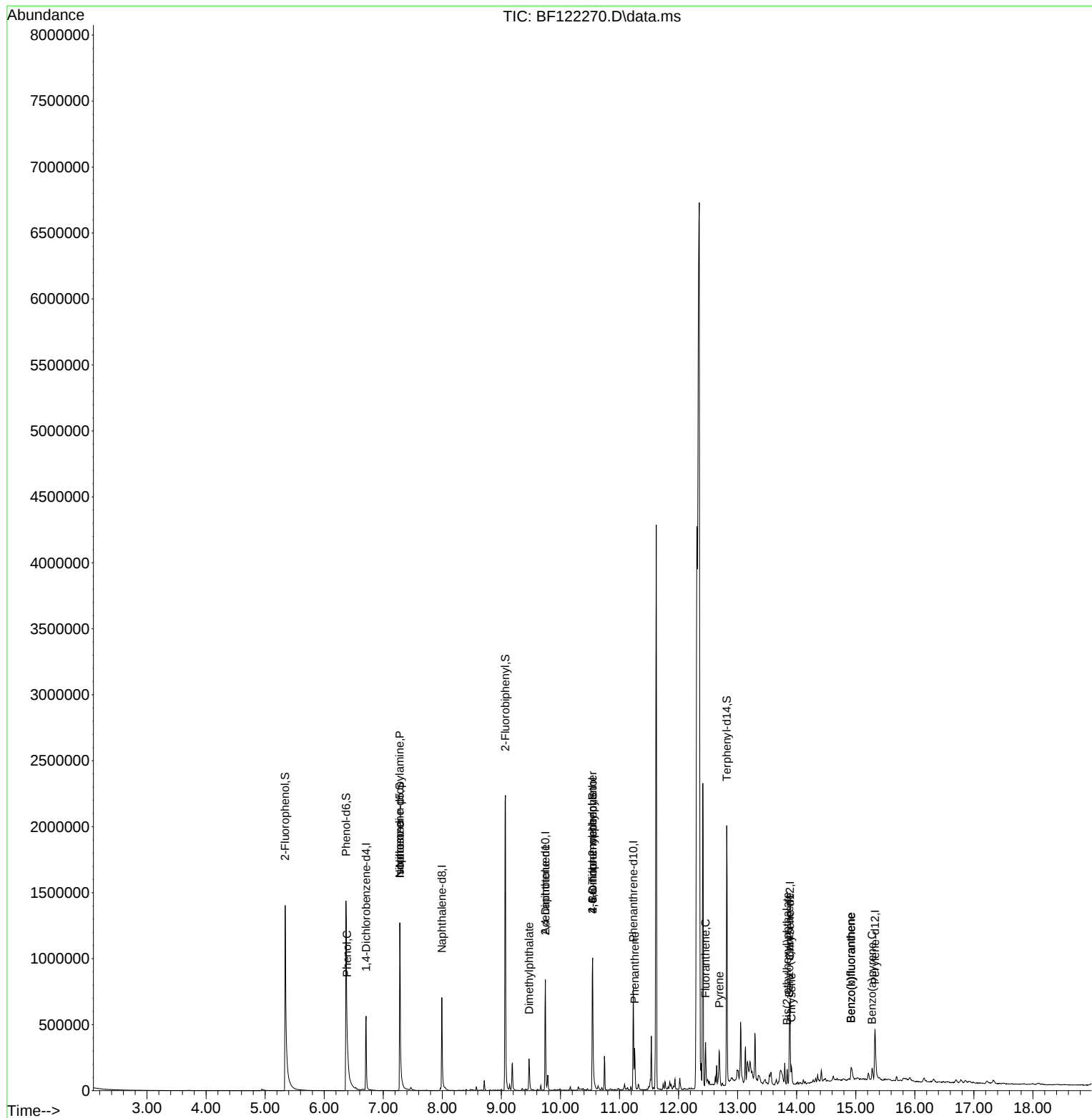
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	90560	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	355433	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	172376	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	270279	20.00	ng	0.00
76) Chrysene-d12	13.886	240	218574	20.00	ng	0.00
86) Perylene-d12	15.327	264	214240	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	614850	100.21	ng	0.00
7) Phenol-d6	6.369	99	773004	97.87	ng	0.00
23) Nitrobenzene-d5	7.281	82	499222	72.03	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	159055	74.59	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	792488	67.64	ng	0.00
79) Terphenyl-d14	12.815	244	590997	51.53	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.369	77	1151	Below Cal	#	3
10) Phenol	6.386	94	29350	3.60 ng	#	56
19) n-Nitroso-di-n-propyla...	7.281	70	66682	14.83 ng	#	79
25) Isophorone	7.281	82	500249	38.17 ng	#	67
50) Dimethylphthalate	9.469	163	109783	8.71 ng		99
57) 2,4-Dinitrotoluene	9.745	165	22083	6.49 ng	#	20
65) 4,6-Dinitro-2-methylph...	10.545	198	144	4.51 ng	#	1
67) 4-Bromophenyl-phenylether	10.545	248	9409	3.01 ng	#	1
71) Phenanthrene	11.257	178	121315	8.19 ng		98
75) Fluoranthene	12.457	202	134348	8.45 ng		97
78) Pyrene	12.692	202	121554	7.30 ng		99
81) Benzo(a)anthracene	13.874	228	50241	3.51 ng		97
83) Chrysene	13.910	228	46443	3.30 ng		99
84) Bis(2-ethylhexyl)phtha...	13.839	149	27609	3.08 ng		100
88) Benzo(b)fluoranthene	14.921	252	64806	4.48 ng	#	95
89) Benzo(k)fluoranthene	14.921	252	64806	4.71 ng	#	94
90) Benzo(a)pyrene	15.274	252	36181	2.89 ng		96

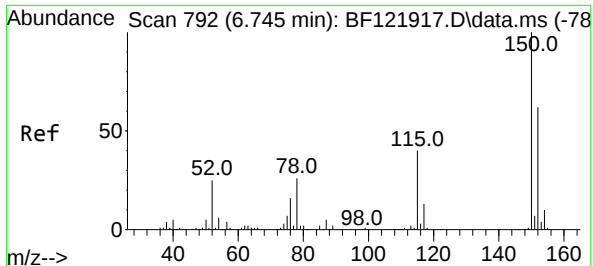
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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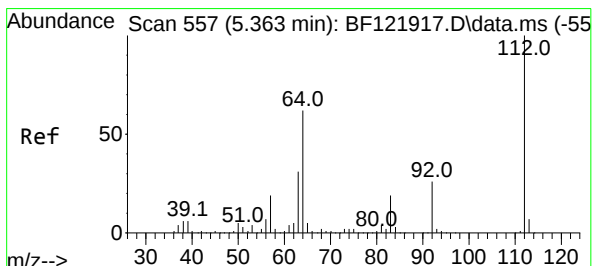
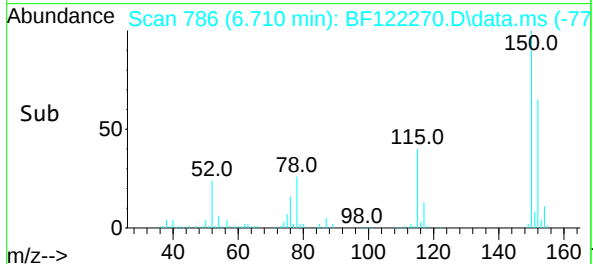
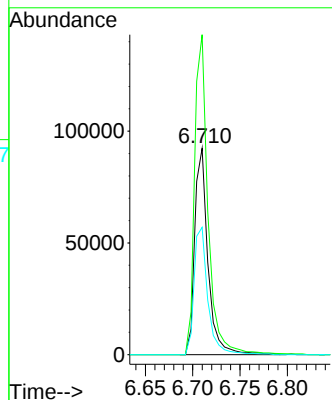
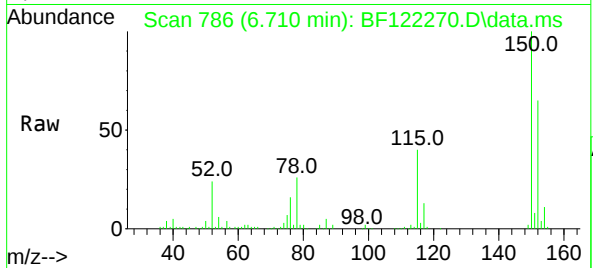




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

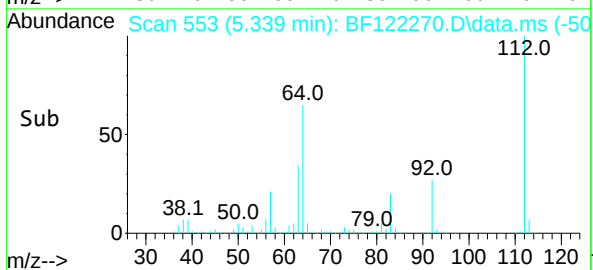
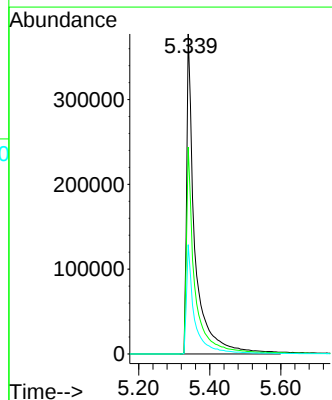
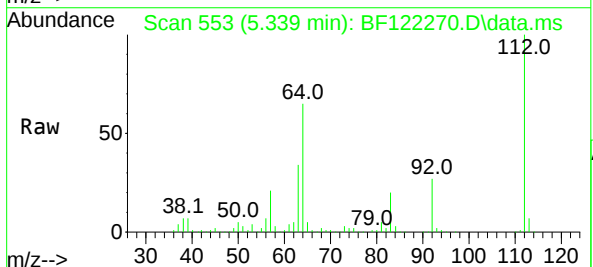
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20

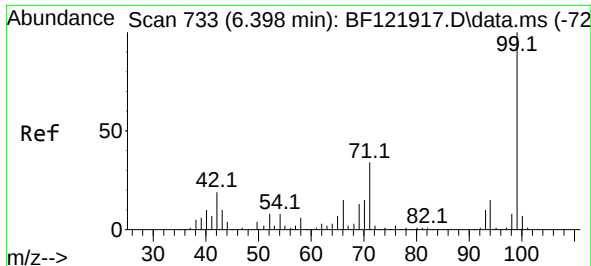
Tgt Ion:152 Resp: 90560
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 61.7 51.9 77.9



#5
2-Fluorophenol
Concen: 100.21 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Tgt Ion:112 Resp: 614850
Ion Ratio Lower Upper
112 100
64 64.6 50.4 75.6
63 34.2 25.8 38.6

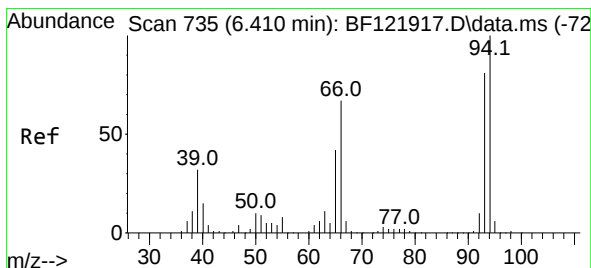
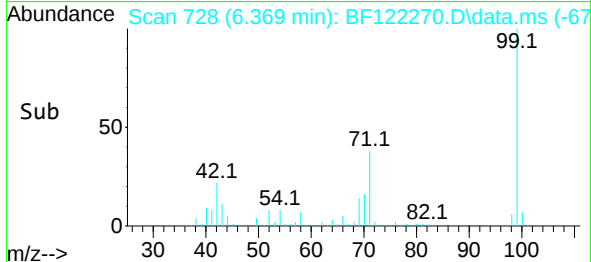
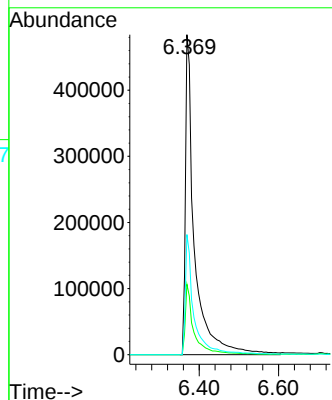
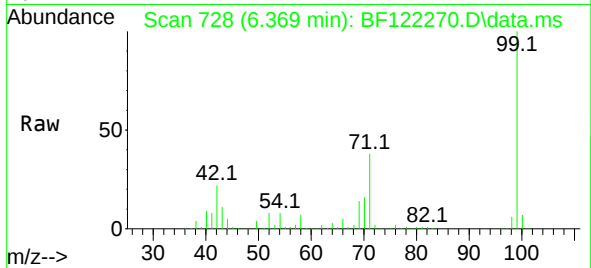




#7
Phenol-d6
Concen: 97.87 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

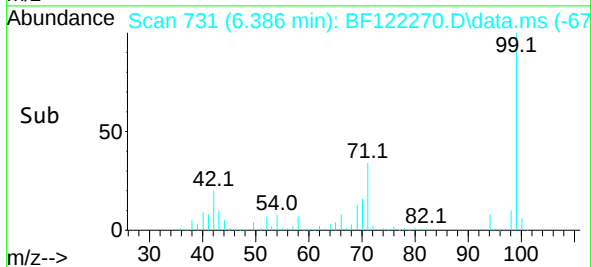
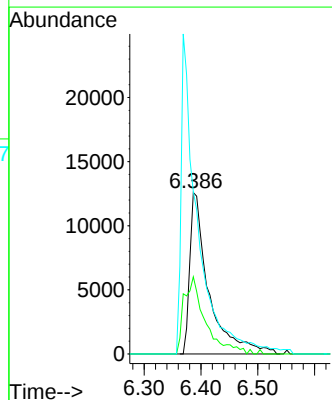
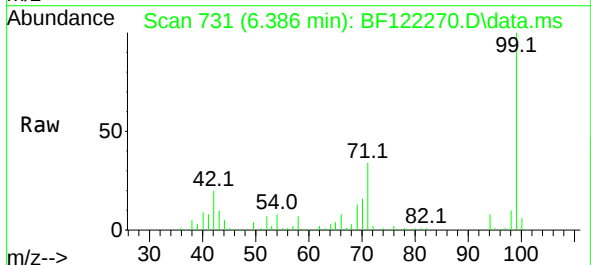
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20

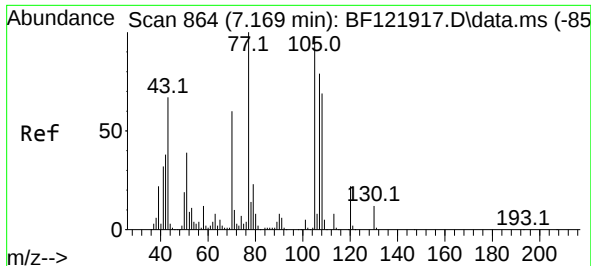
Tgt Ion: 99 Resp: 773004
Ion Ratio Lower Upper
99 100
42 22.0 15.9 23.9
71 37.6 27.1 40.7



#10
Phenol
Concen: 3.60 ng
RT: 6.386 min Scan# 731
Delta R.T. 0.005 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Tgt Ion: 94 Resp: 29350
Ion Ratio Lower Upper
94 100
65 47.8 17.1 57.1
66 100.5 36.0 76.0#

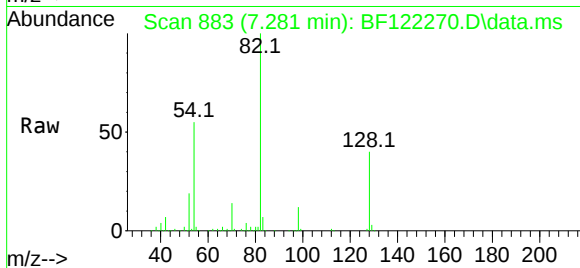




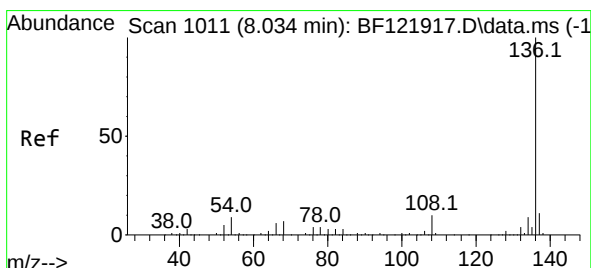
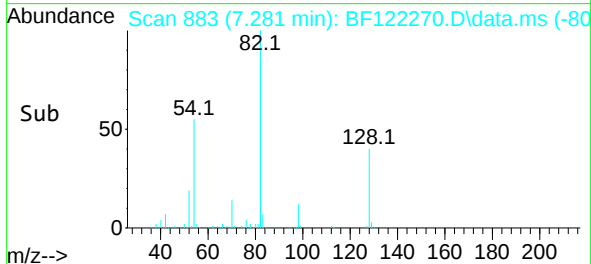
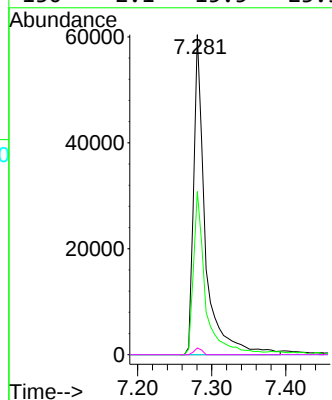
#19

n-Nitroso-di-n-propylamine
Concen: 14.83 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20



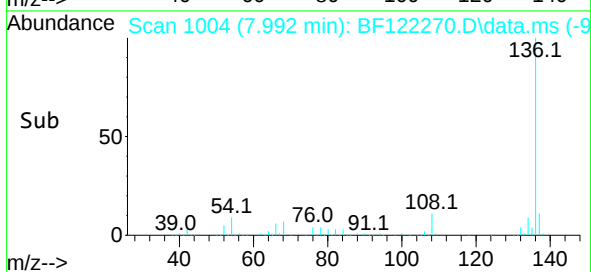
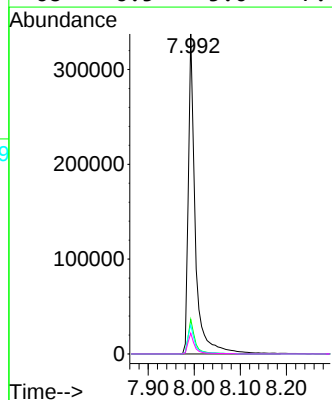
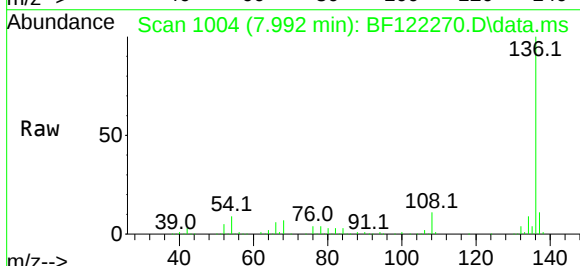
Tgt Ion: 70 Resp: 66682
Ion Ratio Lower Upper
70 100
42 51.0 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

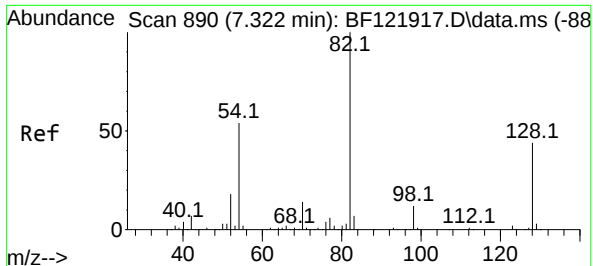


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Tgt Ion: 136 Resp: 355433
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.1 10.7
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 72.03 ng

RT: 7.281 min Scan# 883

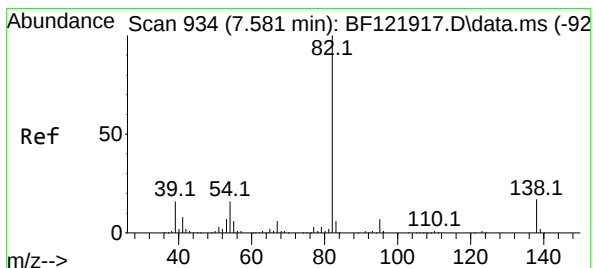
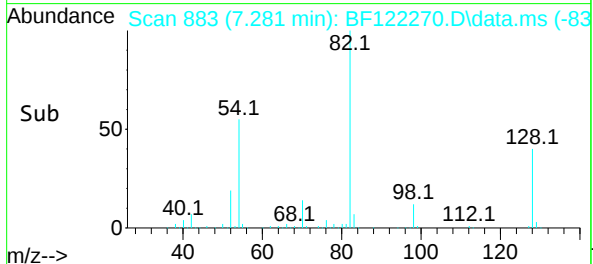
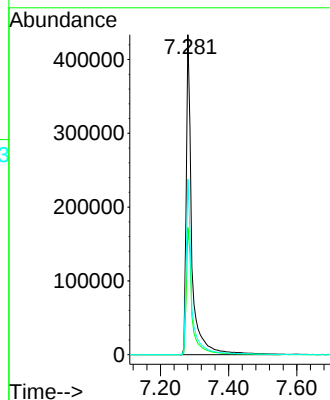
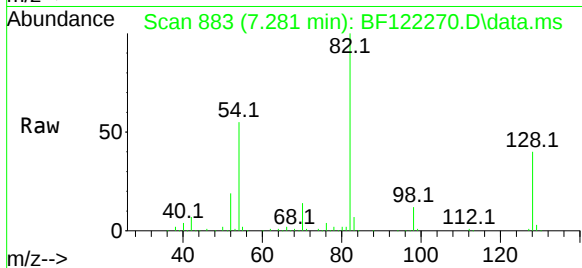
Delta R.T. -0.006 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

Tgt Ion: 82 Resp: 499222

Ion	Ratio	Lower	Upper
82	100		
128	39.8	35.0	52.4
54	54.8	43.9	65.9



#25

Isophorone

Concen: 38.17 ng

RT: 7.281 min Scan# 883

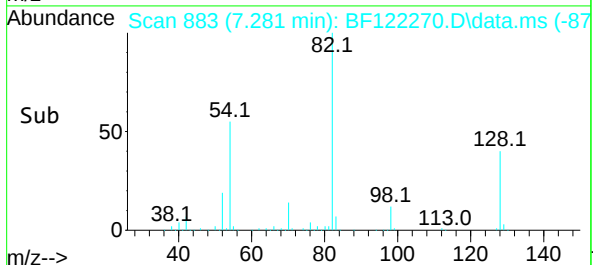
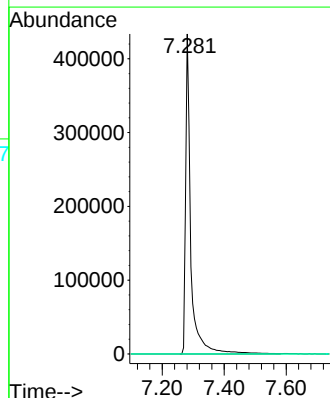
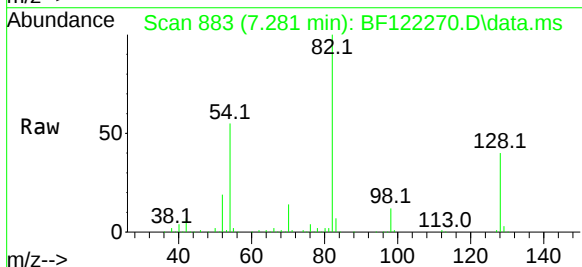
Delta R.T. -0.265 min

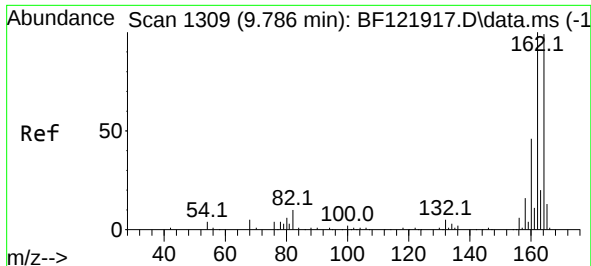
Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

Tgt Ion: 82 Resp: 500249

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

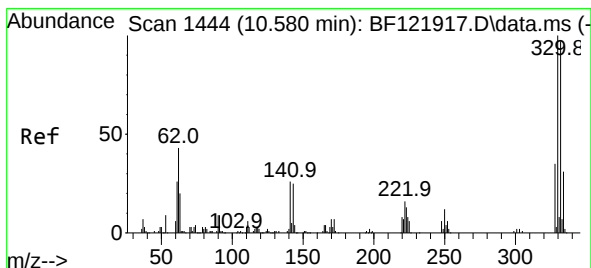
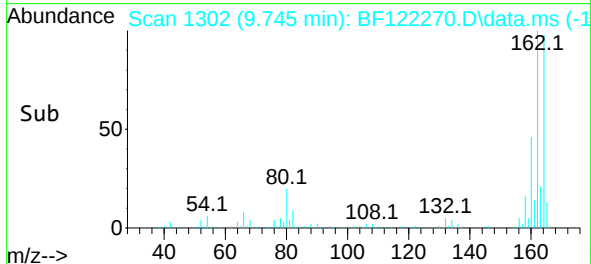
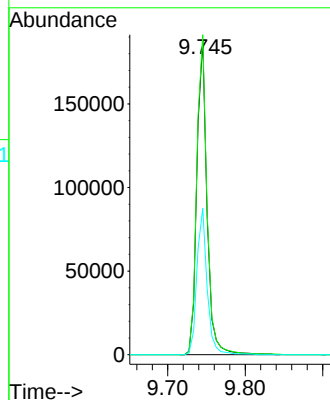
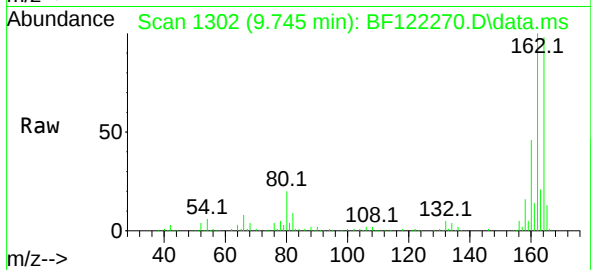
Tgt Ion:164 Resp: 172376

Ion Ratio Lower Upper

164 100

162 101.6 83.2 124.8

160 46.4 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 74.59 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.000 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

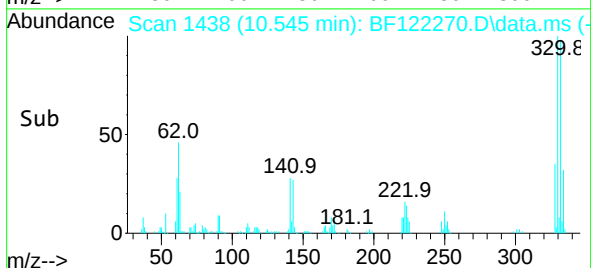
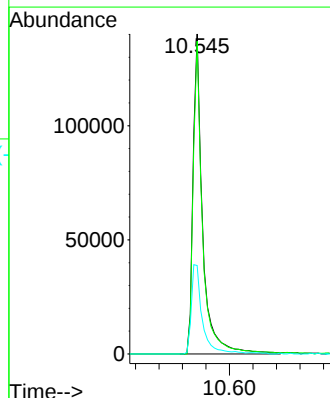
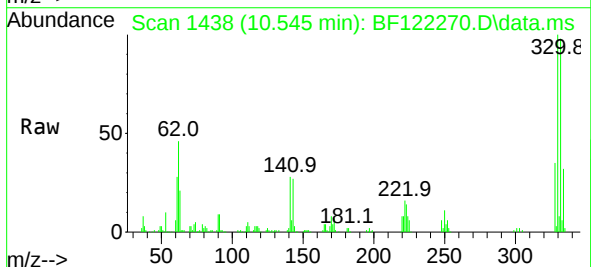
Tgt Ion:330 Resp: 159055

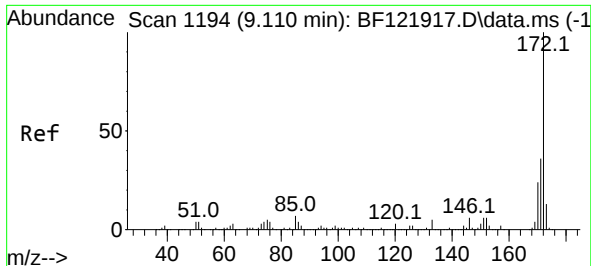
Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 32.5 22.3 33.5

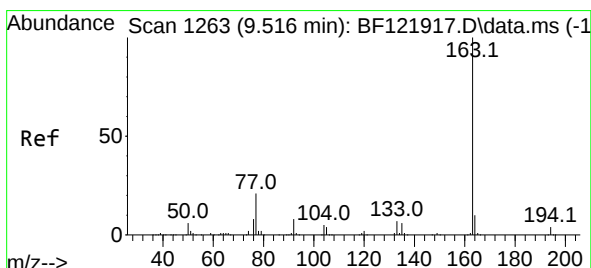
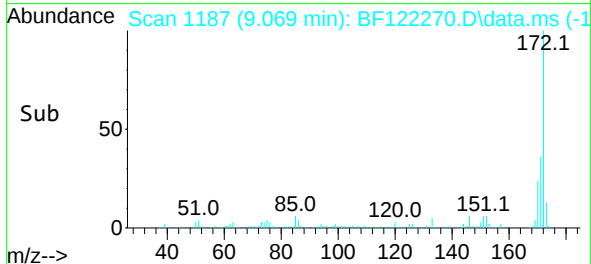
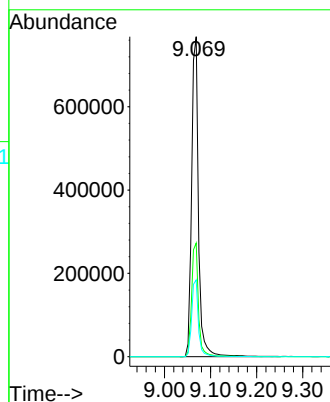
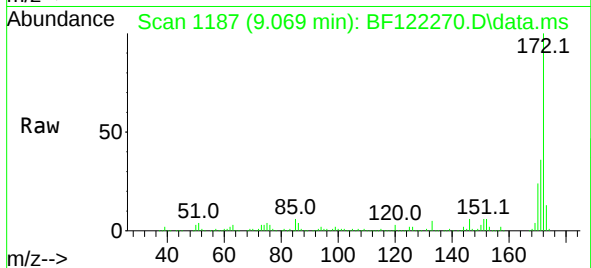




#45
2-Fluorobiphenyl
Concen: 67.64 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

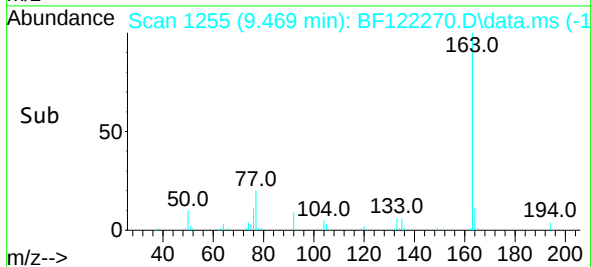
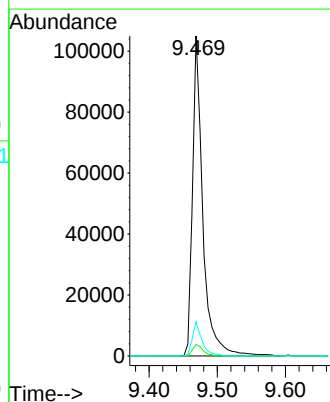
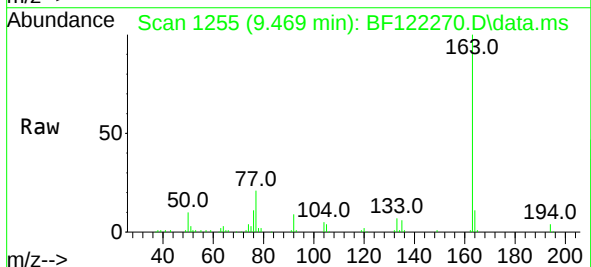
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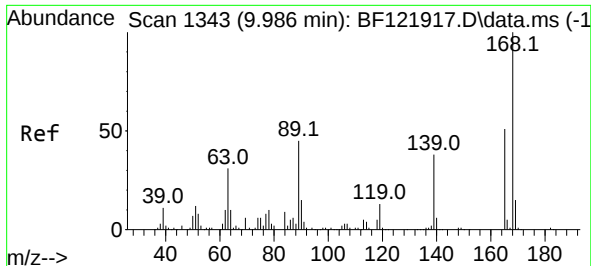
Tgt Ion:172 Resp: 792488
Ion Ratio Lower Upper
172 100
171 35.5 29.1 43.7
170 24.0 19.8 29.6



#50
Dimethylphthalate
Concen: 8.71 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

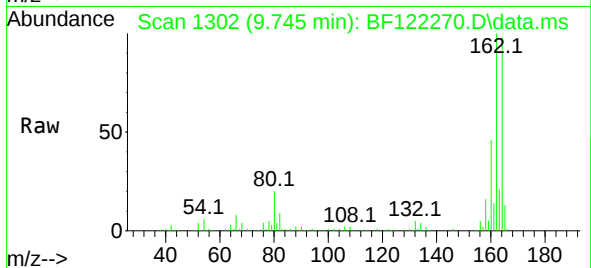
Tgt Ion:163 Resp: 109783
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 10.7 8.2 12.4



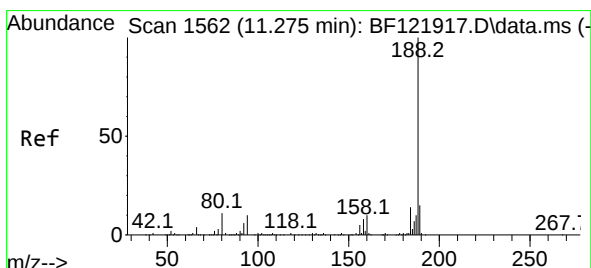
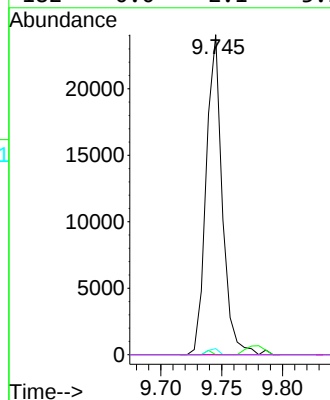
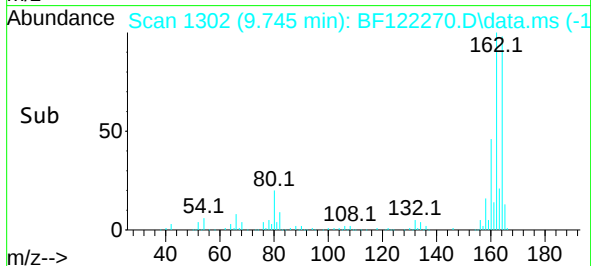


#57
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

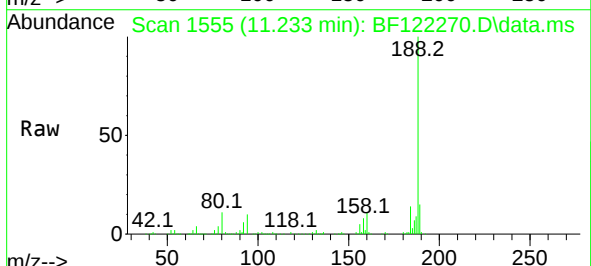
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20



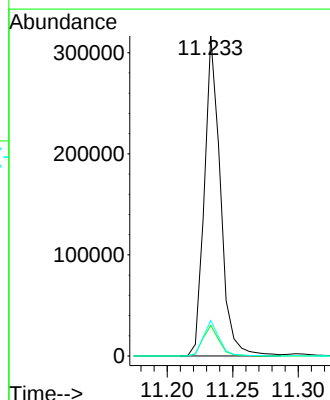
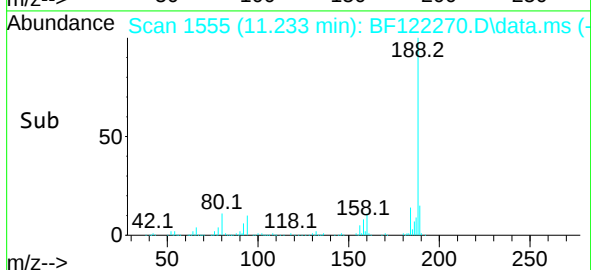
Tgt Ion:165 Resp: 22083
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 1.9 61.8 92.8#
182 0.0 2.1 3.1#

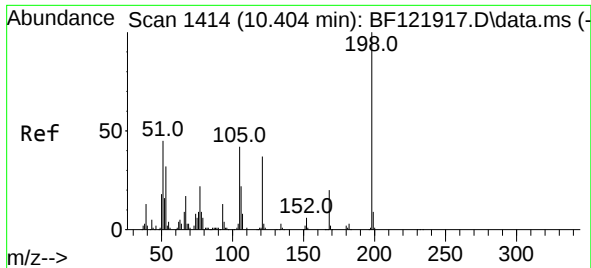


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43



Tgt Ion:188 Resp: 270279
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 11.1 9.1 13.7

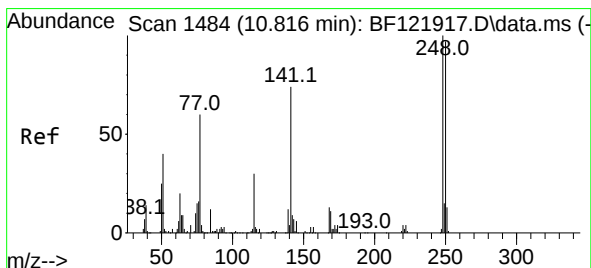
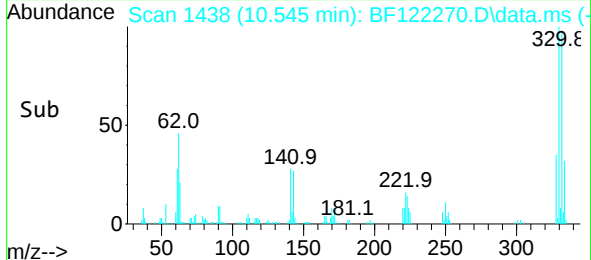
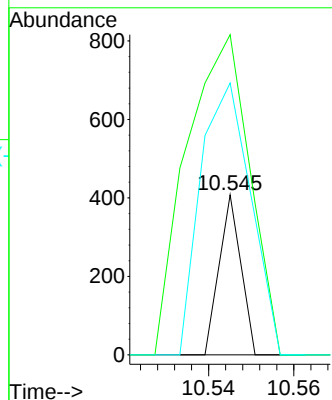
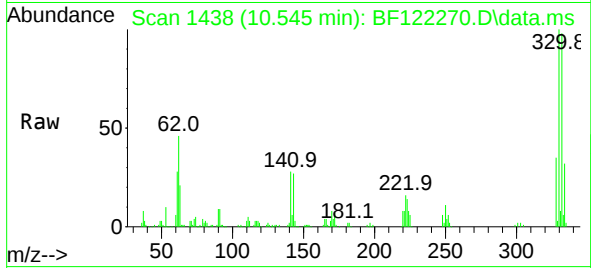




#65
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.170 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

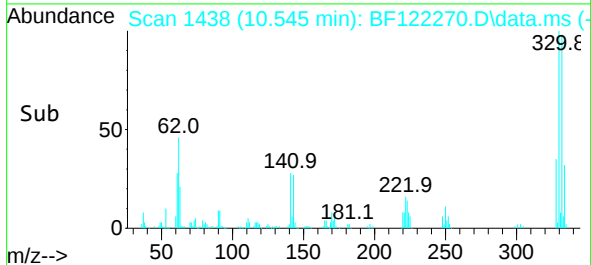
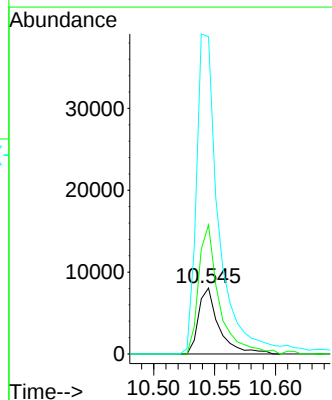
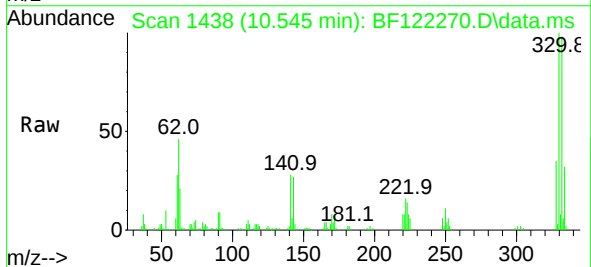
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20

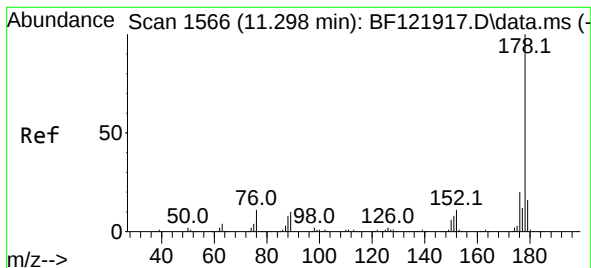
Tgt Ion:198 Resp: 144
Ion Ratio Lower Upper
198 100
51 200.0 29.6 69.6#
105 169.9 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.01 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.230 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Tgt Ion:248 Resp: 9409
Ion Ratio Lower Upper
248 100
250 195.5 77.0 115.6#
141 480.8 53.7 80.5#

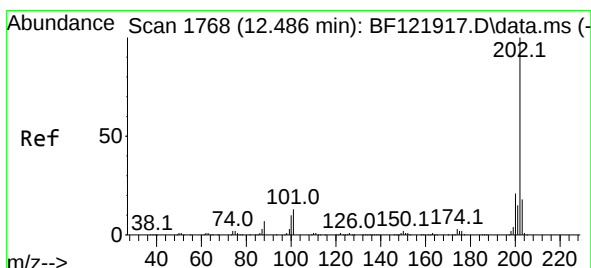
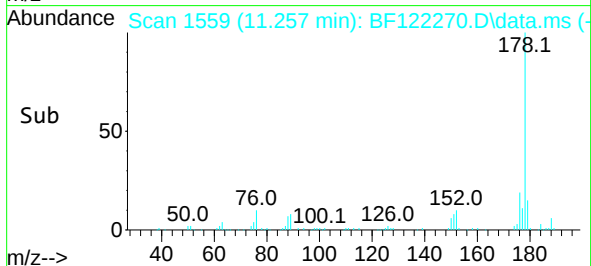
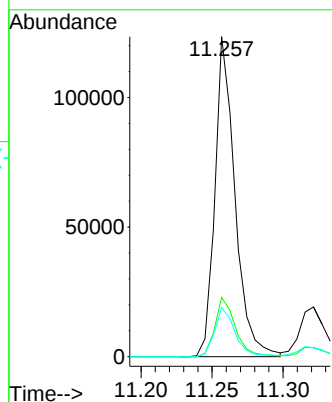
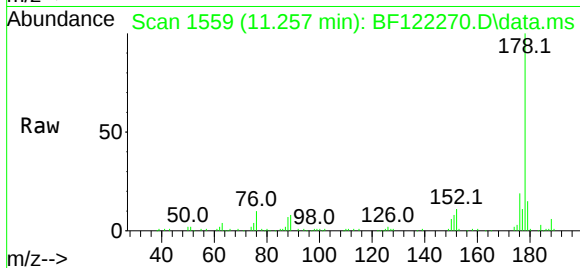




#71
Phenanthrene
Concen: 8.19 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

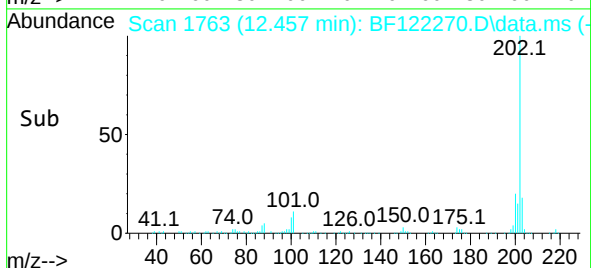
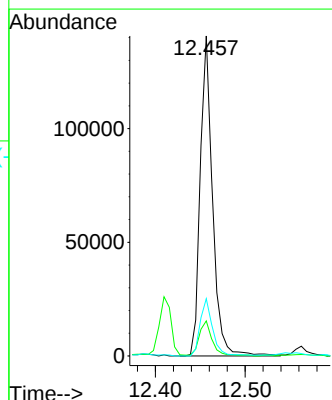
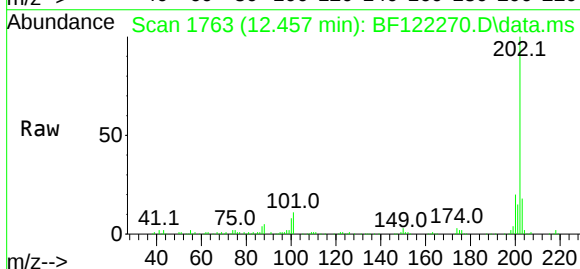
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20

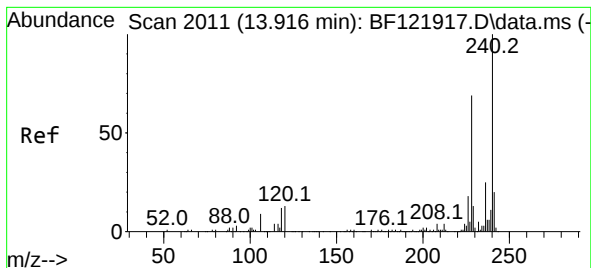
Tgt Ion:178 Resp: 121315
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.3 12.2 18.4



#75
Fluoranthene
Concen: 8.45 ng
RT: 12.457 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

Tgt Ion:202 Resp: 134348
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 17.9 0.0 37.9

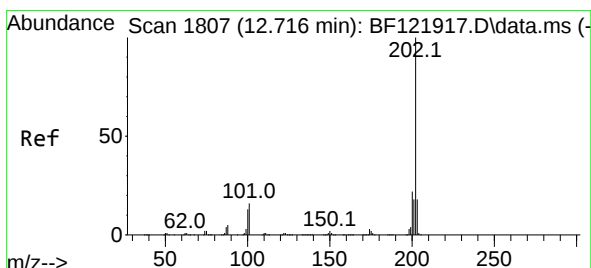
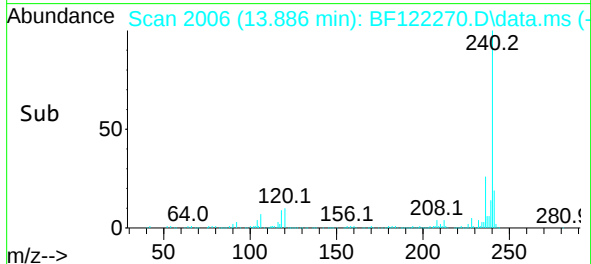
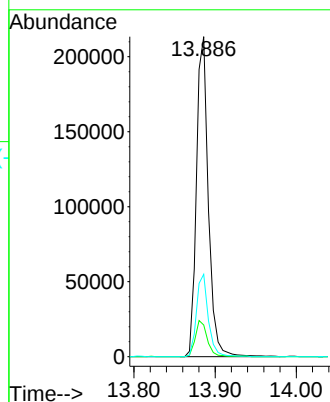
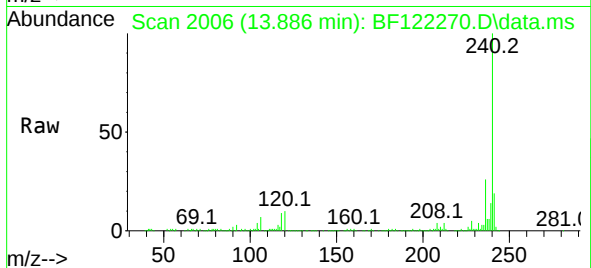




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

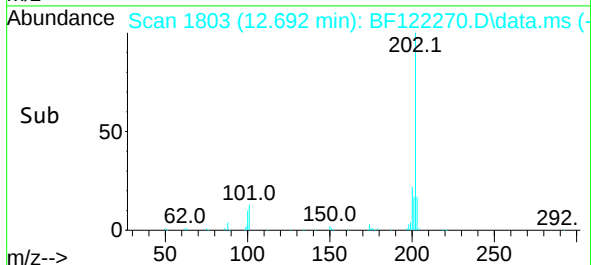
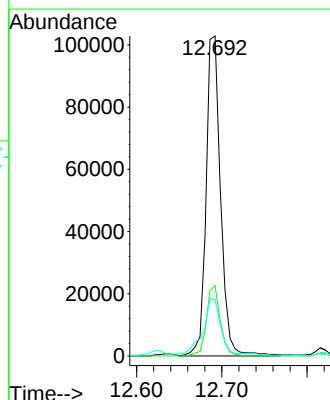
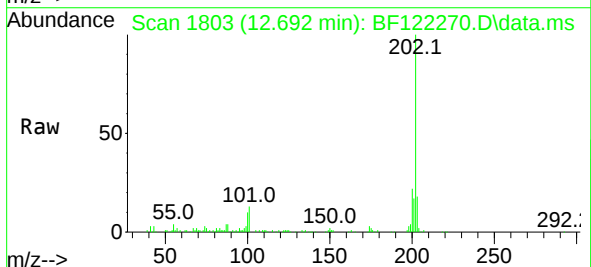
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20

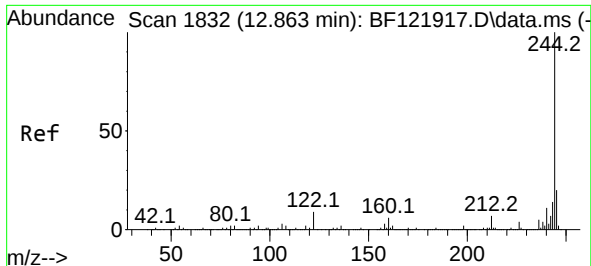
Tgt Ion:240 Resp: 218574
Ion Ratio Lower Upper
240 100
120 9.9 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 7.30 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.012 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

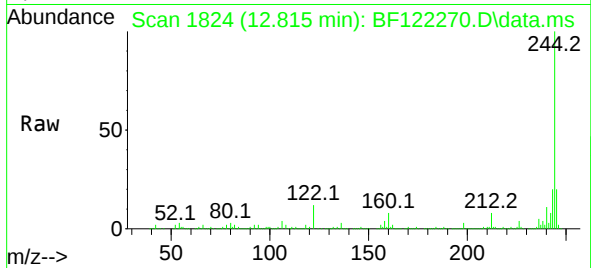
Tgt Ion:202 Resp: 121554
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 17.6 14.6 21.8



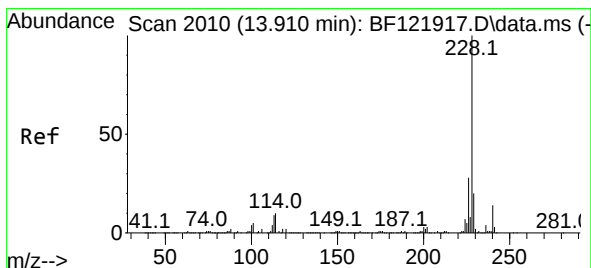
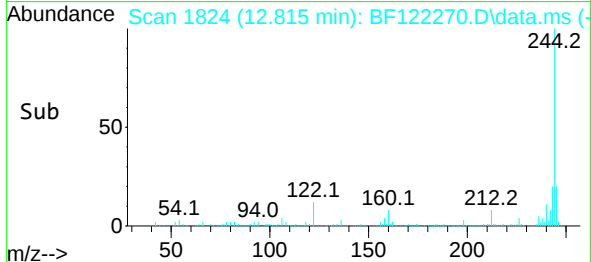
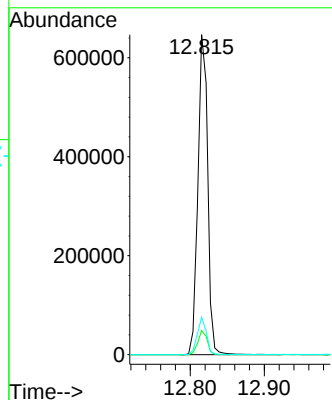


#79
 Terphenyl-d14
 Concen: 51.53 ng
 RT: 12.815 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122270.D
 Acq: 4 Nov 2020 18:43

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B8-110320-10-20

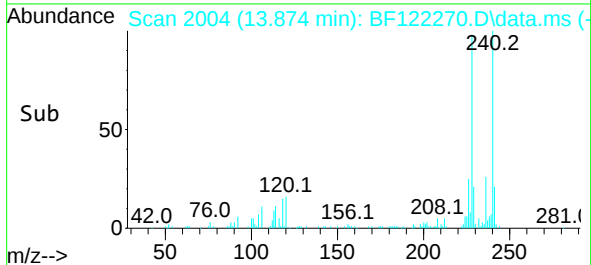
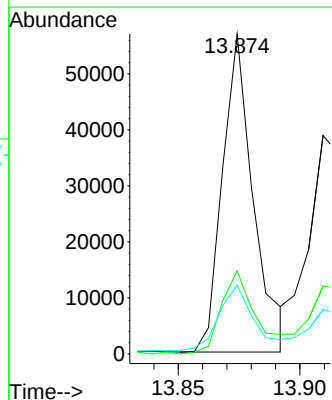
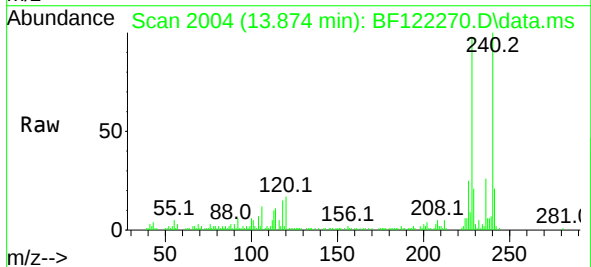


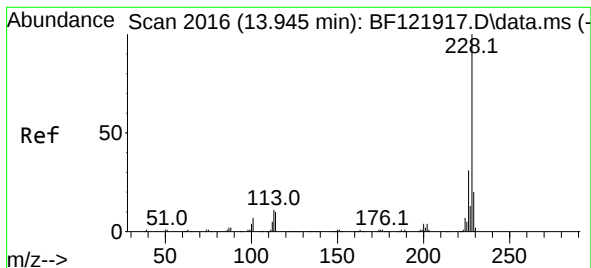
Tgt Ion:244 Resp: 590997
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 11.7 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 3.51 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122270.D
 Acq: 4 Nov 2020 18:43

Tgt Ion:228 Resp: 50241
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.3 33.5
 229 21.4 16.2 24.4





#83

Chrysene

Concen: 3.30 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

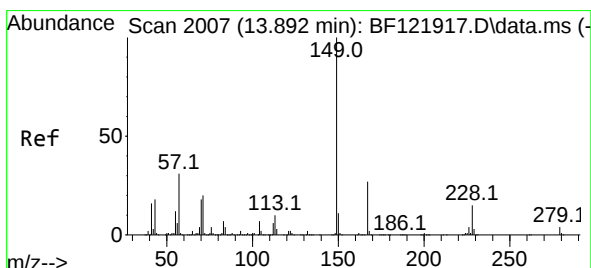
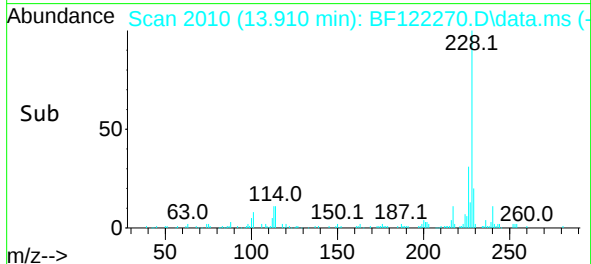
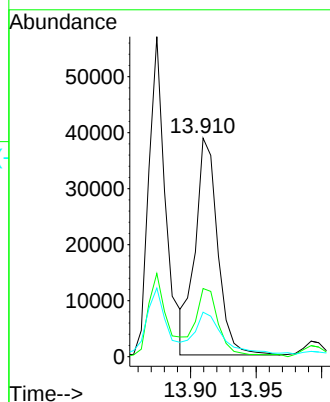
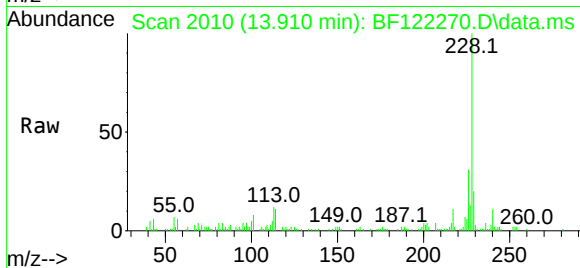
Tgt Ion:228 Resp: 46443

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 20.4 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.08 ng

RT: 13.839 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

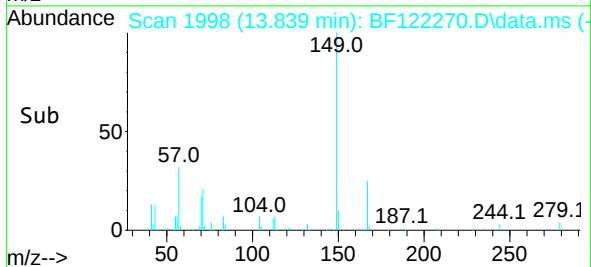
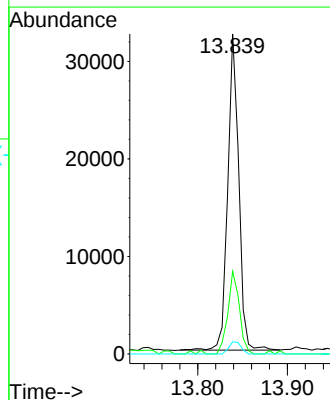
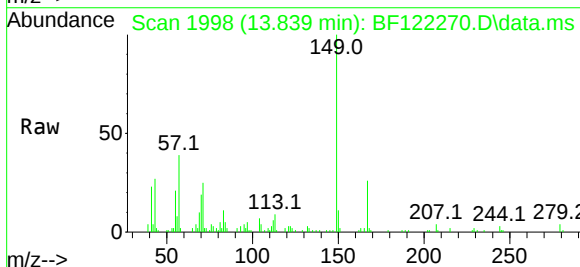
Tgt Ion:149 Resp: 27609

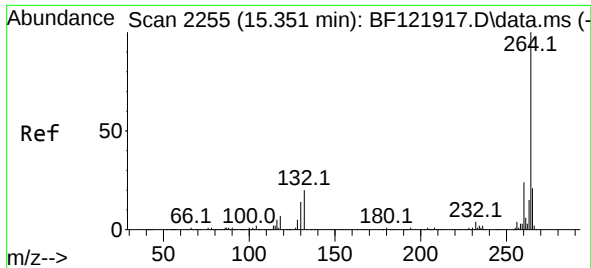
Ion Ratio Lower Upper

149 100

167 25.9 20.9 31.3

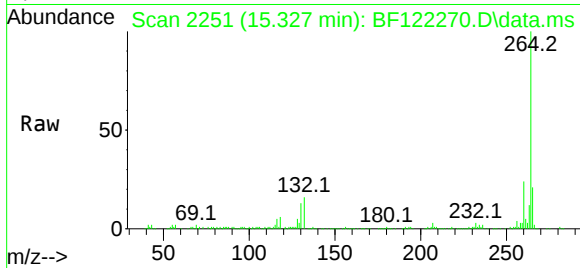
279 3.8 3.2 4.8



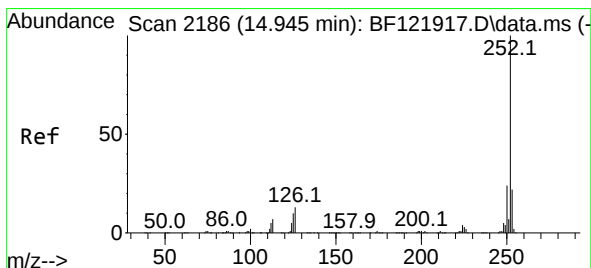
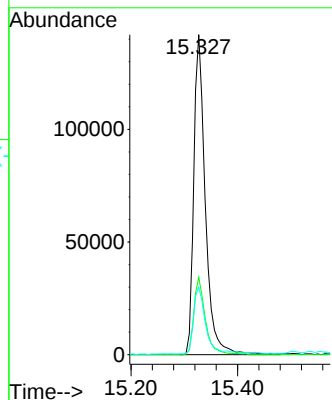
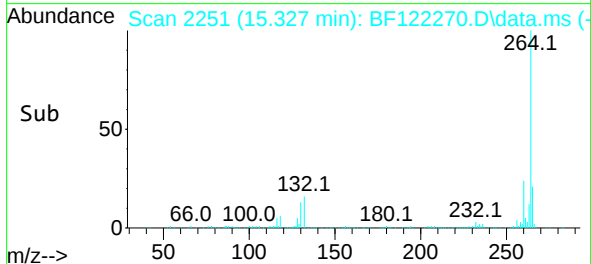


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.023 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43

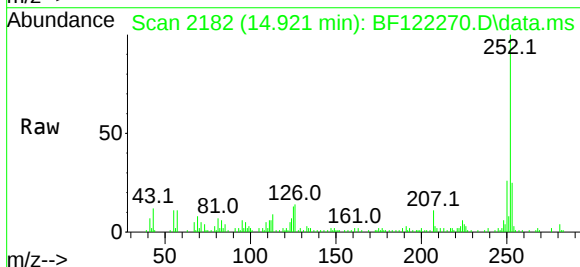
Instrument :
BNA_F
ClientSampleId :
PAV-B8-110320-10-20



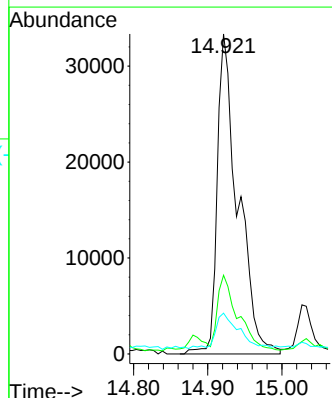
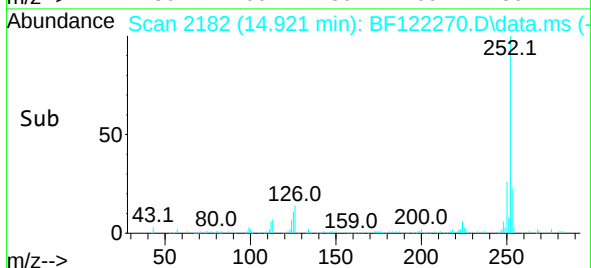
Tgt Ion:264 Resp: 214240
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.2 17.3 25.9

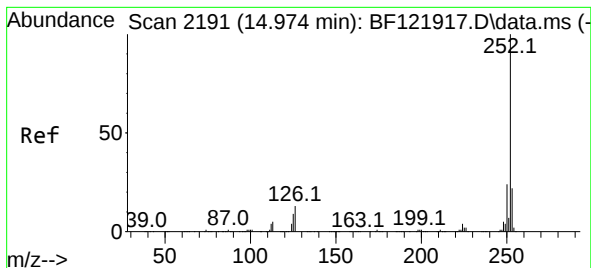


#88
Benzo(b)fluoranthene
Concen: 4.48 ng
RT: 14.921 min Scan# 2182
Delta R.T. 0.023 min
Lab File: BF122270.D
Acq: 4 Nov 2020 18:43



Tgt Ion:252 Resp: 64806
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 12.8 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 4.71 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

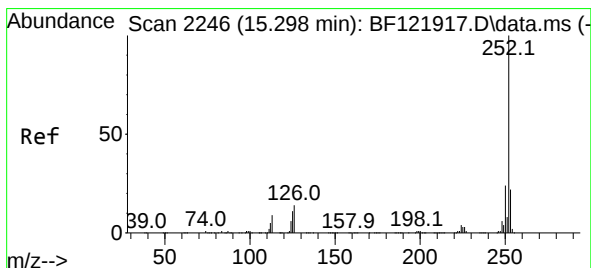
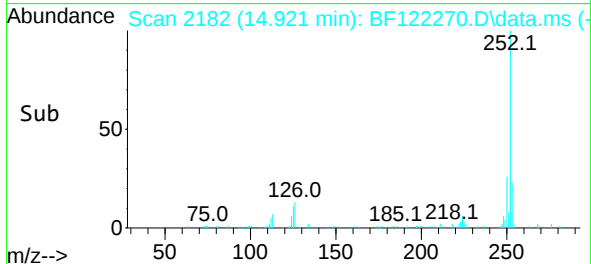
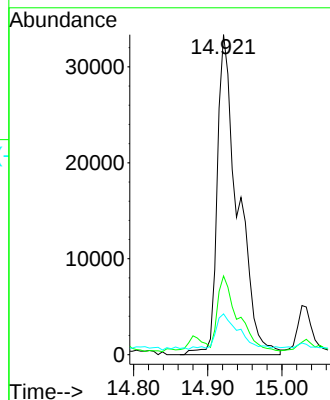
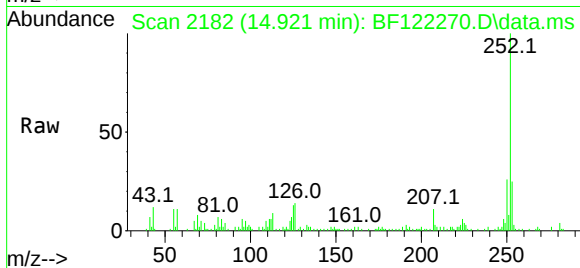
Tgt Ion:252 Resp: 64806

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

125 12.8 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 2.89 ng

RT: 15.274 min Scan# 2242

Delta R.T. 0.023 min

Lab File: BF122270.D

Acq: 4 Nov 2020 18:43

Tgt Ion:252 Resp: 36181

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 12.5 8.6 13.0

