

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121467.D
 Acq On : 28 Aug 2020 19:01
 Operator : JU/CG
 Sample : L3837-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP05-1218-01

Quant Time: Aug 29 00:35:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	312069	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1229932	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	641356	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1208182	20.00	ng	0.00
76) Chrysene-d12	14.02	240	861648	20.00	ng	0.00
86) Perylene-d12	15.49	264	779950	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1408914	75.75	ng	0.00
7) Phenol-d6	6.48	99	1879760	72.32	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1225391	68.11	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	544322	84.03	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2253336	56.69	ng	0.00
79) Terphenyl-d14	12.97	244	2318283	56.63	ng	0.00

Target Compounds

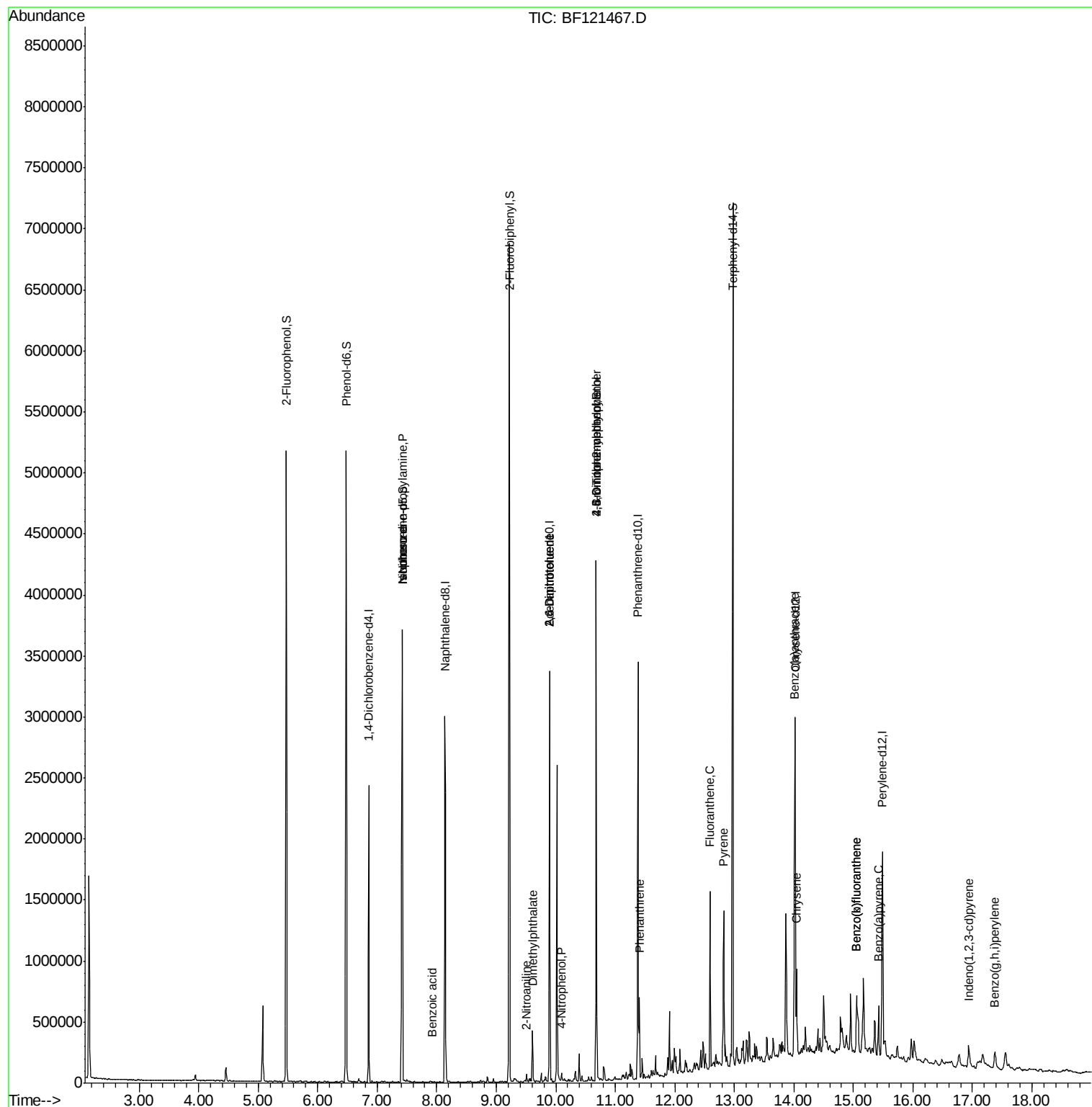
						Qvalue
9) Benzaldehyde	6.40	77	543	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.42	70	163298	11.242 ng	#	79
25) Isophorone	7.42	82	1222965	30.223 ng	#	64
32) Benzoic acid	7.92	122	344	6.702 ng	#	1
48) 2-Nitroaniline	9.51	65	239	6.666 ng	#	5
50) Dimethylphthalate	9.61	163	143841	3.265 ng		98
51) 2,6-Dinitrotoluene	9.90	165	85389	15.378 ng	#	24
56) 4-Nitrophenol	10.10	139	5808	8.472 ng	#	9
57) 2,4-Dinitrotoluene	9.90	165	85389	14.403 ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.68	198	1239	6.009 ng	#	1
67) 4-Bromophenyl-phenylether	10.68	248	31930	2.402 ng	#	1
71) Phenanthrene	11.40	178	207228	3.342 ng		97
75) Fluoranthene	12.59	202	494753	7.404 ng		96
78) Pyrene	12.82	202	473959	7.702 ng		96
81) Benzo(a)anthracene	14.01	228	285798	5.433 ng		95
83) Chrysene	14.04	228	228317	4.339 ng		96
87) Indeno(1,2,3-cd)pyrene	16.94	276	111065	2.314 ng		96
88) Benzo(b)fluoranthene	15.06	252	351560	6.929 ng		98
89) Benzo(k)fluoranthene	15.06	252	351560	7.450 ng		97
90) Benzo(a)pyrene	15.42	252	190079	4.166 ng		99
92) Benzo(a,h,i)perylene	17.38	276	111629	2.950 ng		97

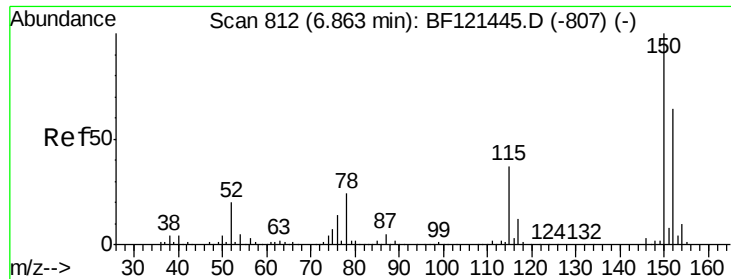
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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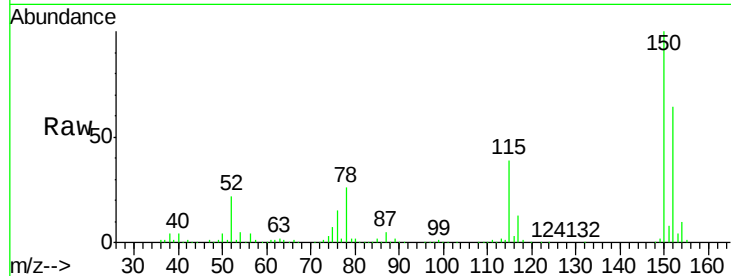


#1

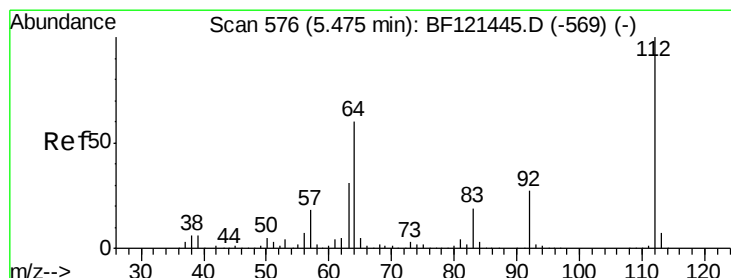
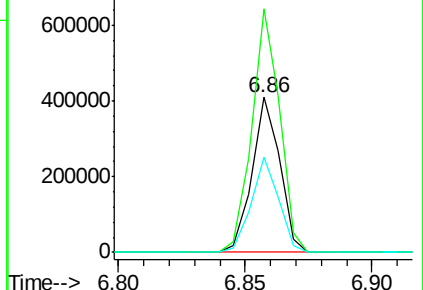
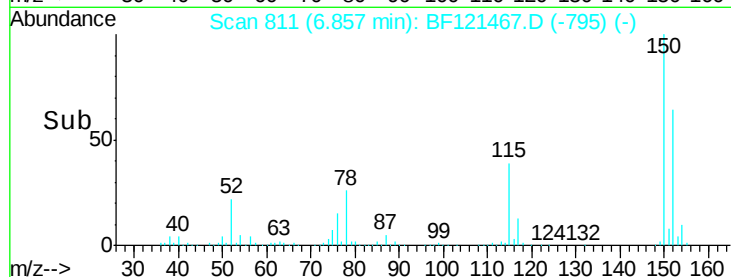
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP05-1218-01

Tot Ion:152 Resp: 312069
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.8 188.6
 115 61.8 46.6 69.8



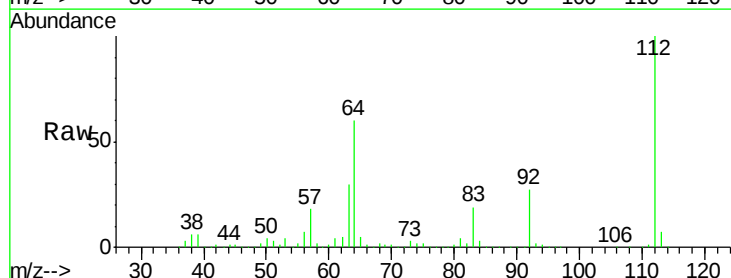
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



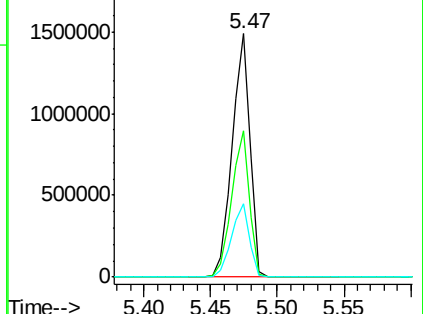
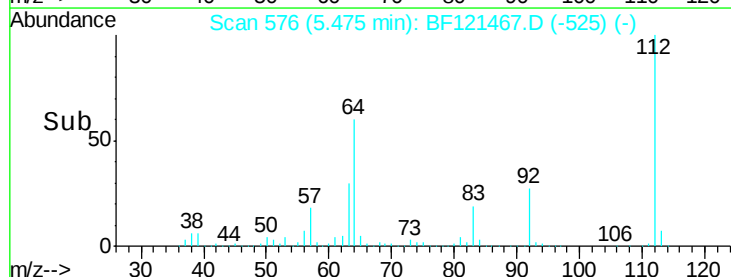
#5

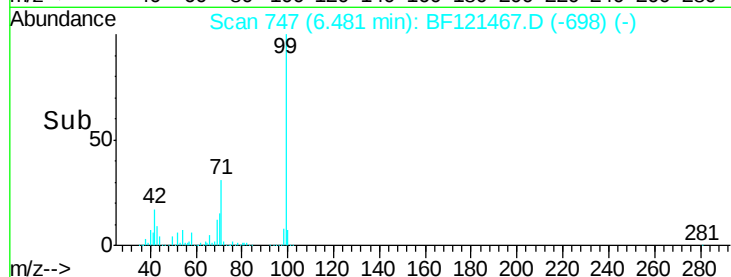
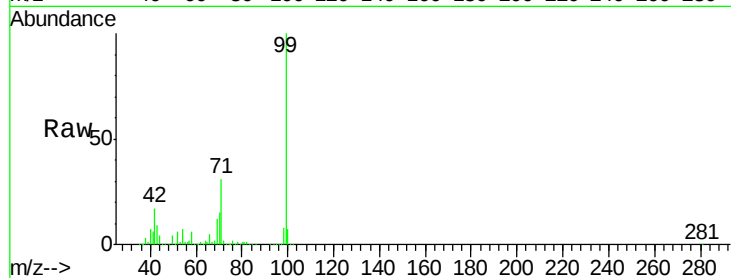
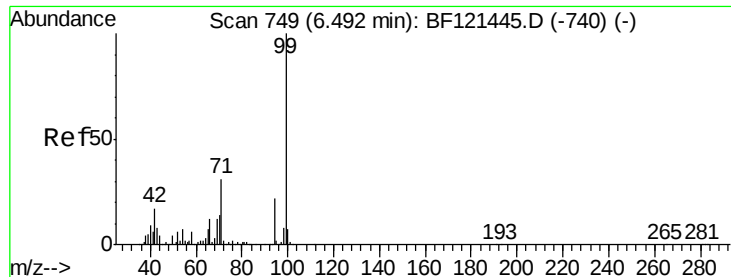
2-Fluorophenol
 Concen: 75.746 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

Tgt Ion:112 Resp: 1408914
 Ion Ratio Lower Upper
 112 100
 64 60.0 48.2 72.2
 63 30.4 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 72.316 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Instrument :

BNA_F

ClientSampleId :

789UMR-TP05-1218-01

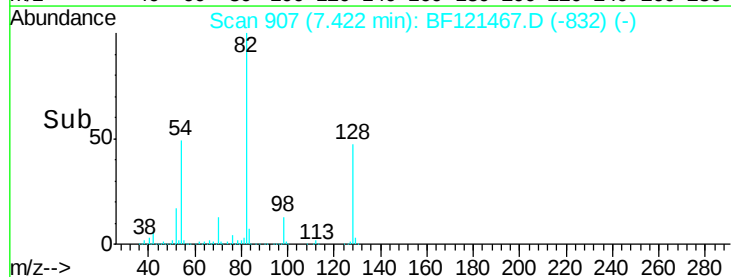
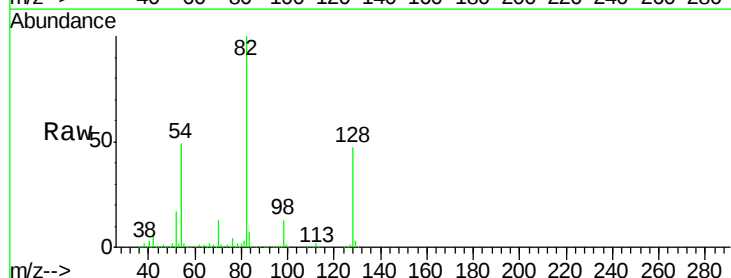
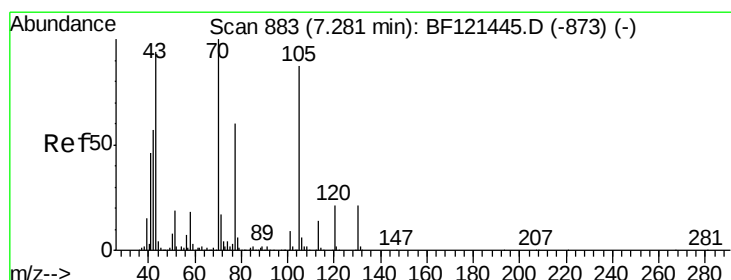
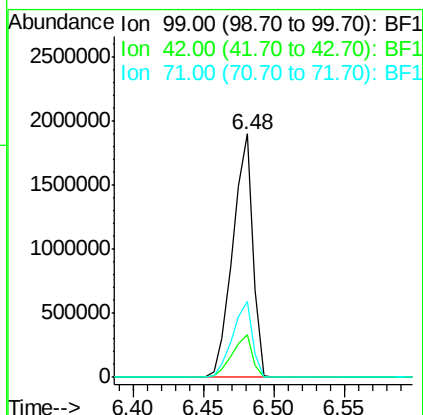
Tot Ion: 99 Resp: 1879760

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

71 31.2 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.242 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Tgt Ion: 70 Resp: 163298

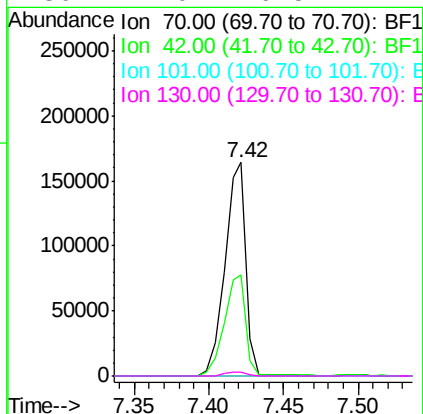
Ion Ratio Lower Upper

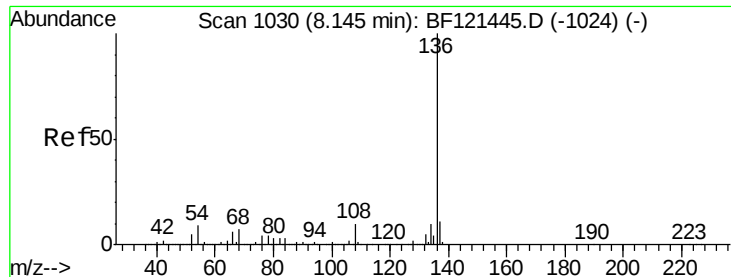
70 100

42 47.2 45.8 68.6

101 0.0 7.5 11.3#

130 2.0 16.5 24.7#

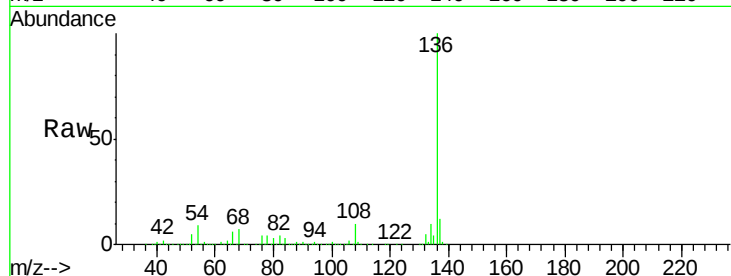




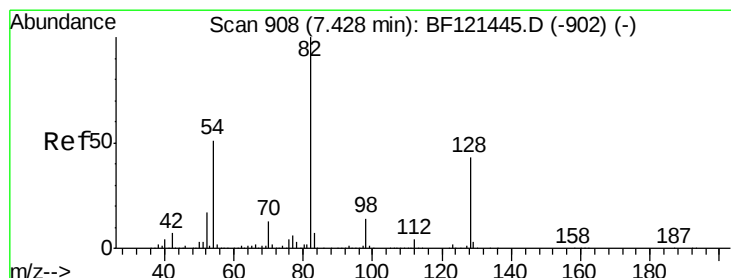
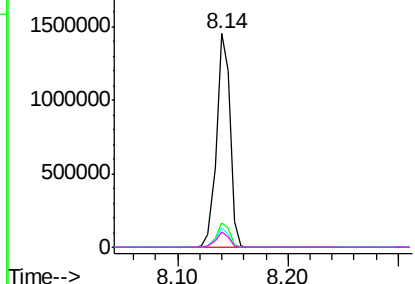
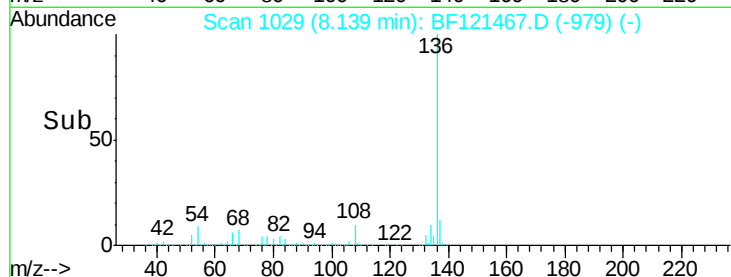
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

Tot Ion:136	Resp: 1229932
Ion Ratio	Lower Upper
136 100	
137 11.6	9.1 13.7
54 8.8	7.0 10.4
68 7.0	5.5 8.3

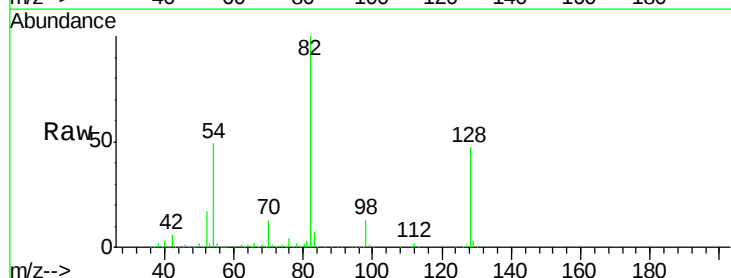


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

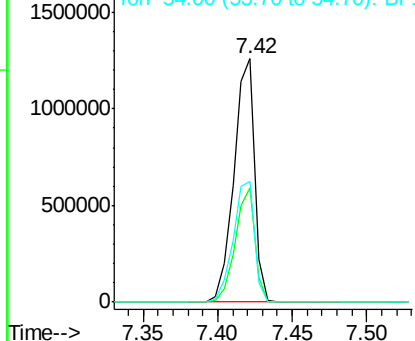
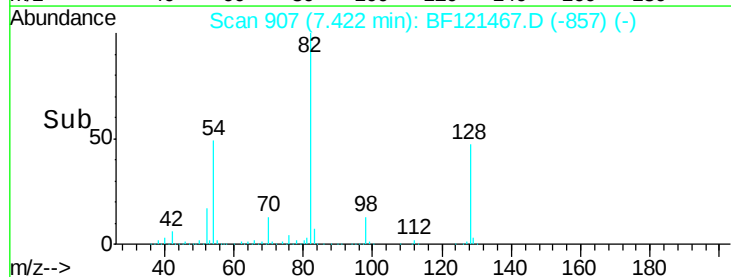


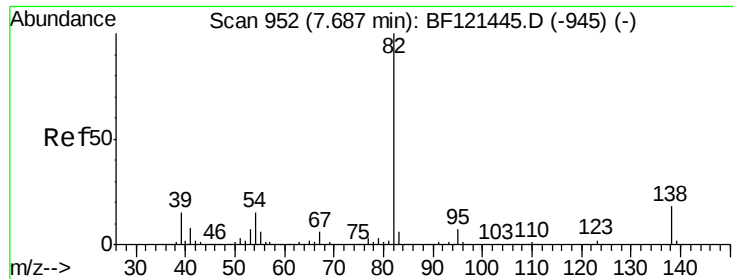
#23
Nitrobenzene-d5
Concen: 68.113 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Tgt Ion: 82	Resp: 1225391
Ion Ratio	Lower Upper
82 100	
128 47.1	34.1 51.1
54 49.4	41.0 61.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.223 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Instrument :

BNA_F

ClientSampleId :

789UMR-TP05-1218-01

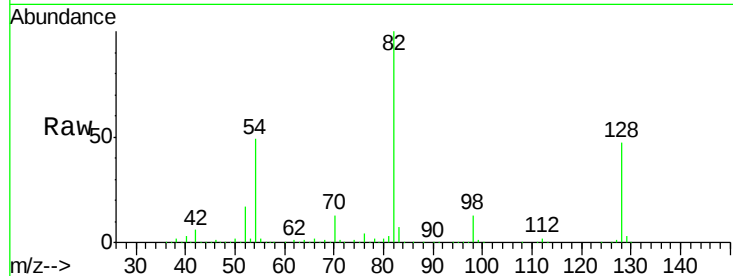
Tot Ion: 82 Resp: 1222965

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

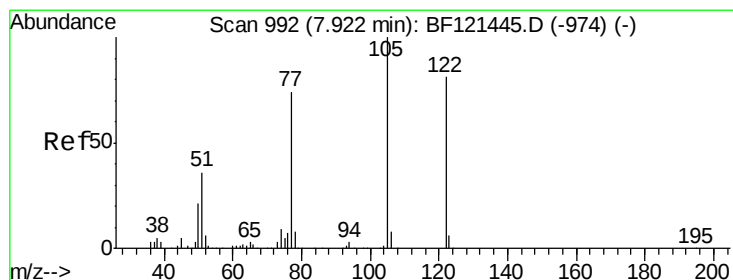
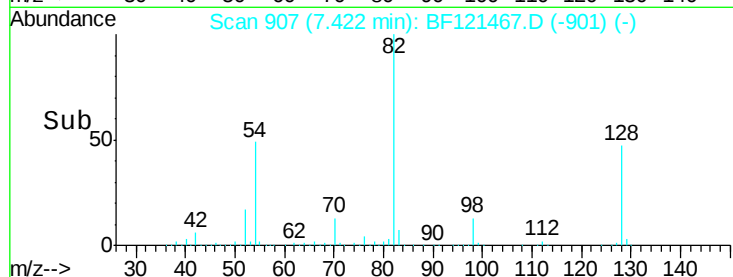
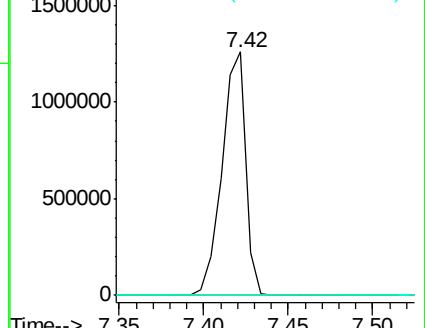
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.702 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

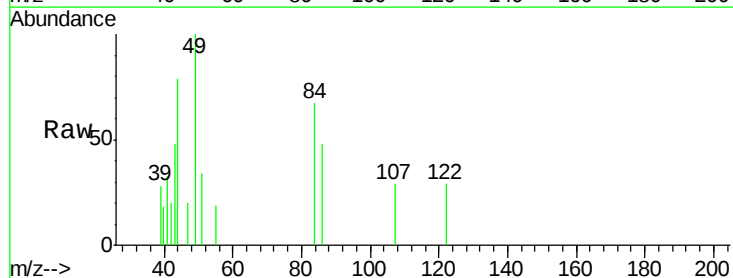
Tgt Ion: 122 Resp: 344

Ion Ratio Lower Upper

122 100

105 0.0 100.8 140.8#

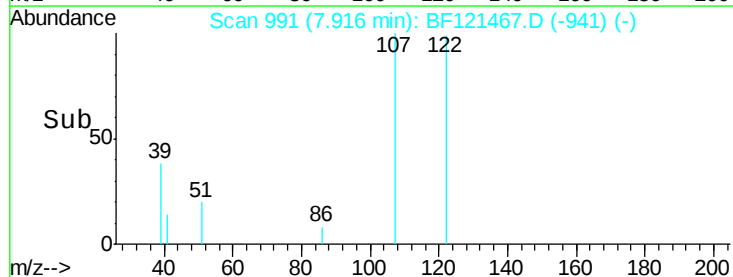
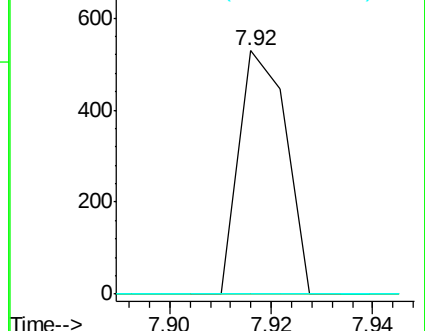
77 0.0 71.5 111.5#

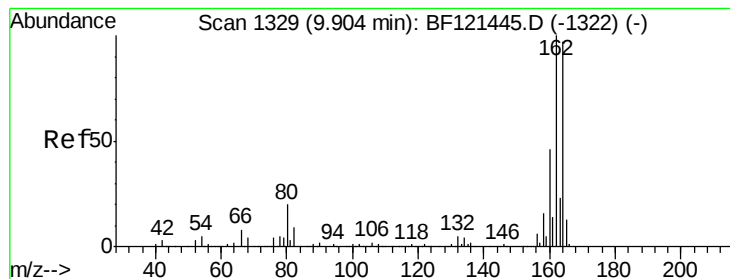


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF121467.D

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ClientSampleId :

789UMR-TP05-1218-01

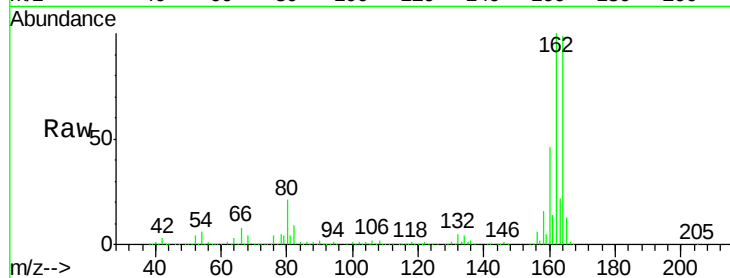
Tot Ion:164 Resp: 641356

Ion Ratio Lower Upper

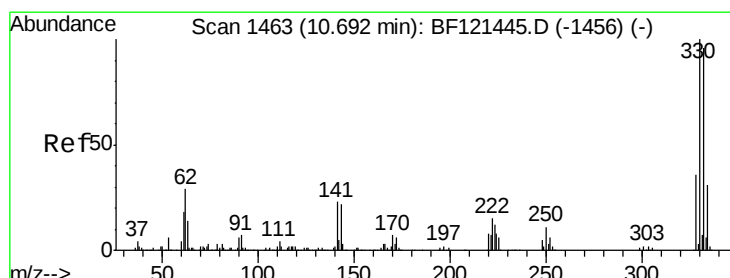
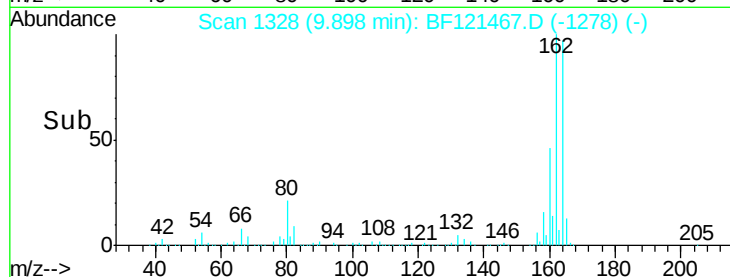
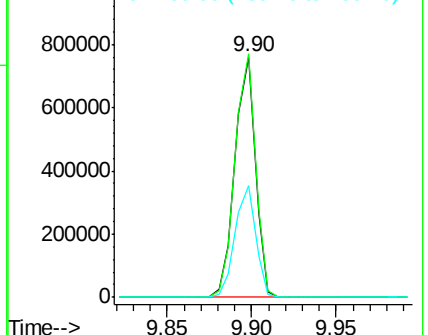
164 100

162 101.4 82.4 123.6

160 46.6 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 84.026 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

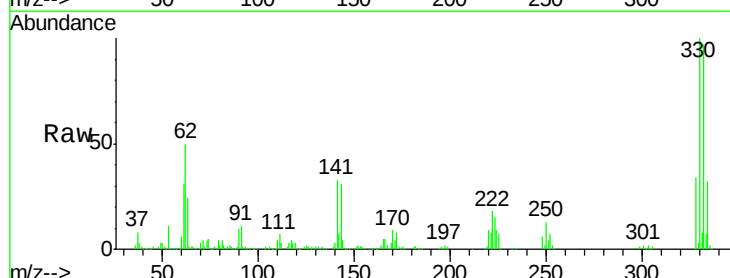
Tgt Ion:330 Resp: 544322

Ion Ratio Lower Upper

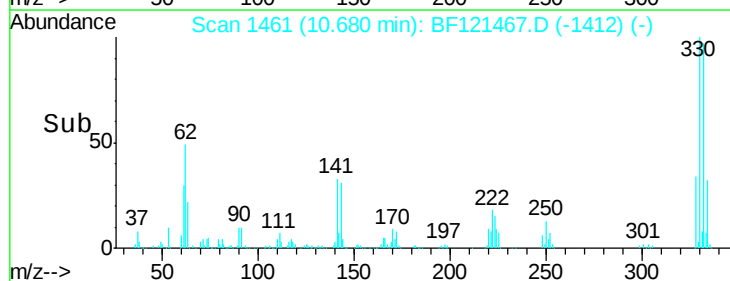
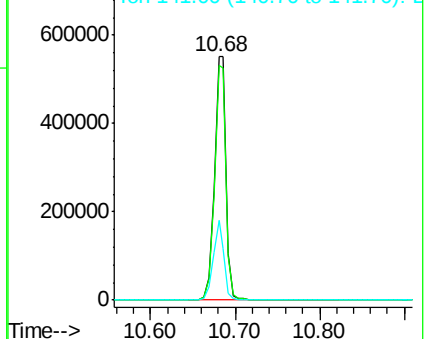
330 100

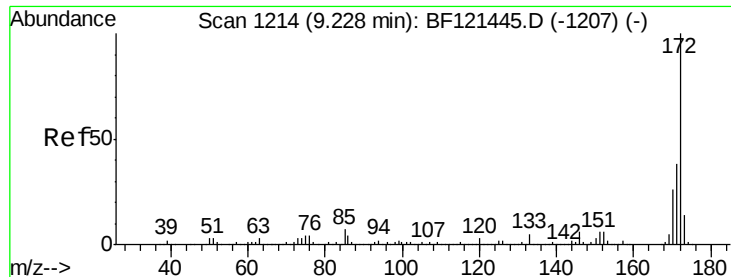
332 95.7 76.2 114.2

141 30.2 24.6 36.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

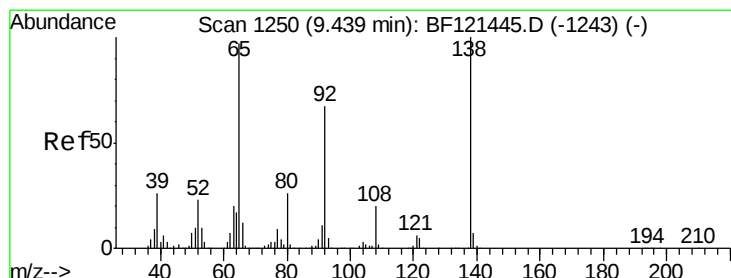
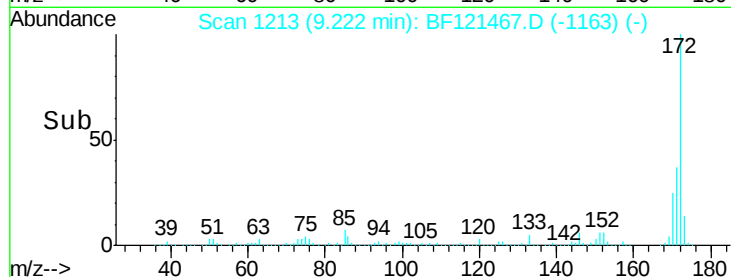
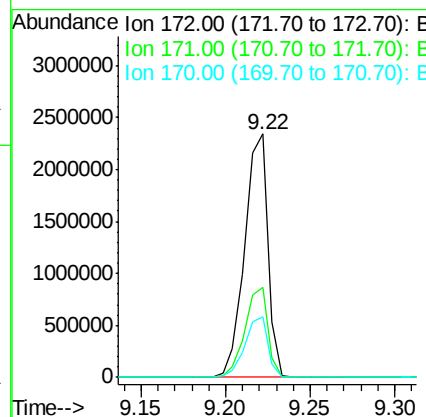
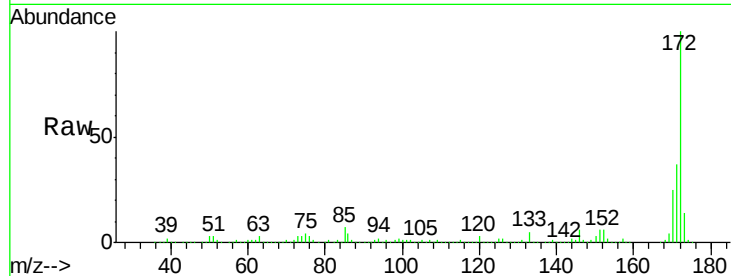




#45
 2-Fluorobiphenyl
 Concen: 56.690 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

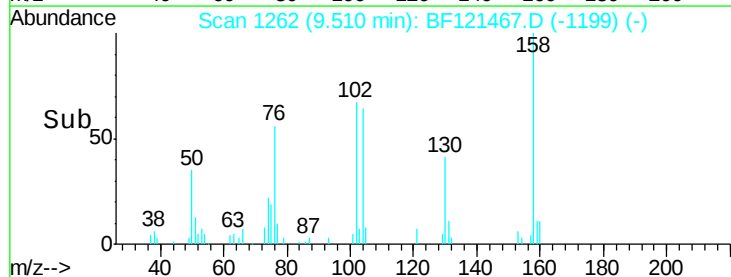
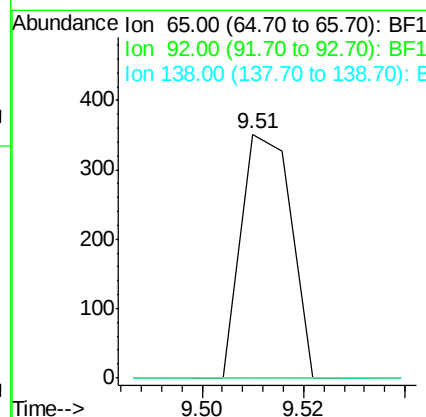
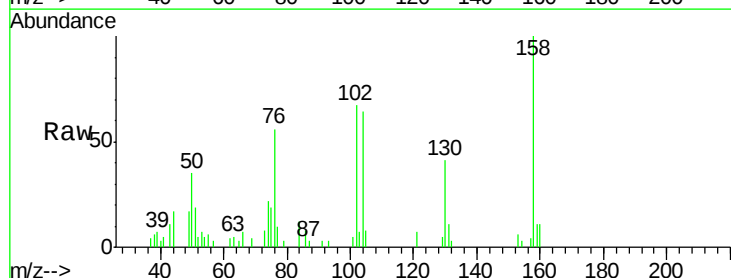
Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP05-1218-01

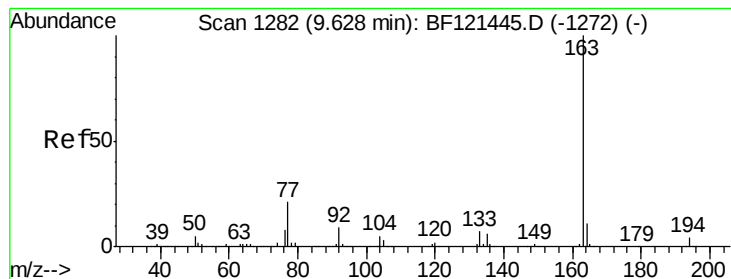
Tot Ion:172 Resp: 2253336
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.6 45.8
 170 25.1 20.6 31.0



#48
 2-Nitroaniline
 Concen: 6.666 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. 0.07 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

Tgt Ion: 65 Resp: 239
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.6 83.4#
 138 0.0 82.9 124.3#





#50

Dimethylphthalate

Concen: 3.265 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Instrument :

BNA_F

ClientSampleId :

789UMR-TP05-1218-01

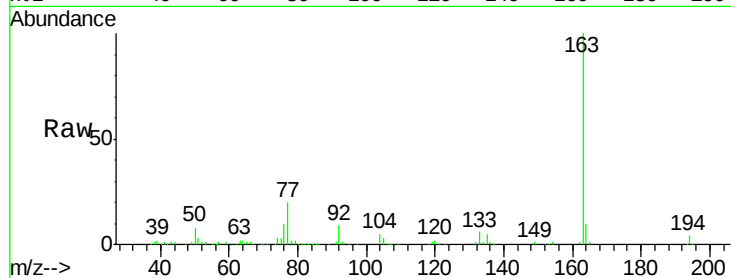
Tot Ion:163 Resp: 143841

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

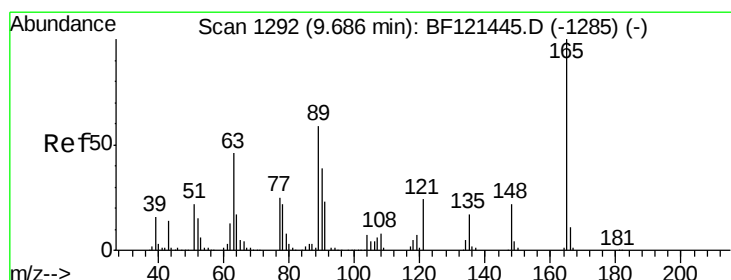
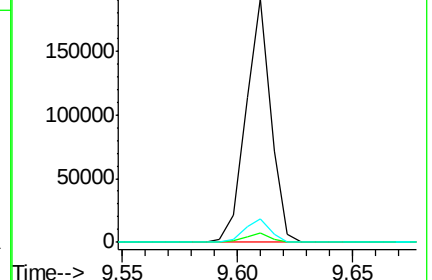
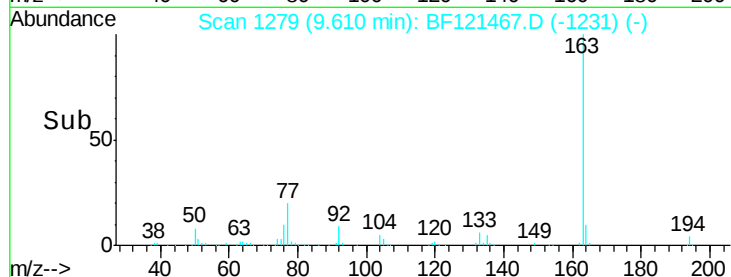
164 9.7 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 15.378 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

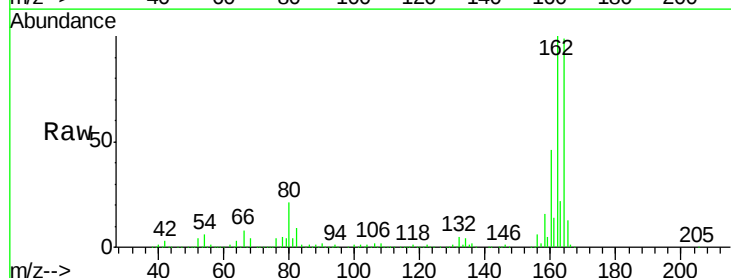
Tgt Ion:165 Resp: 85389

Ion Ratio Lower Upper

165 100

63 1.0 43.6 65.4#

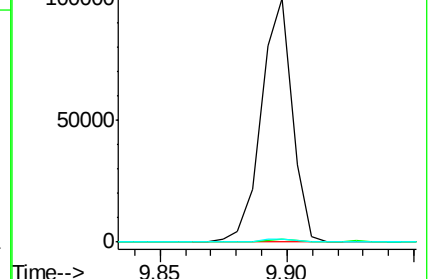
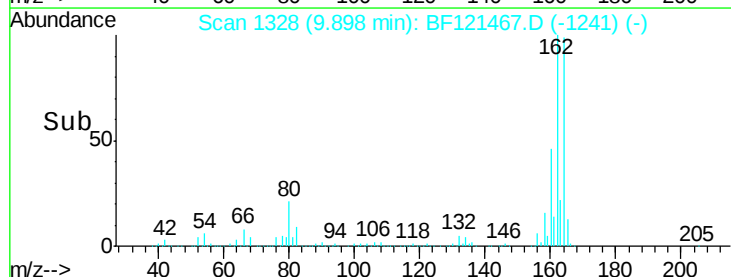
89 1.4 47.4 71.2#

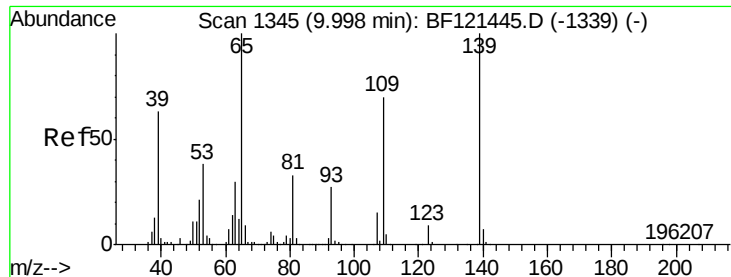


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

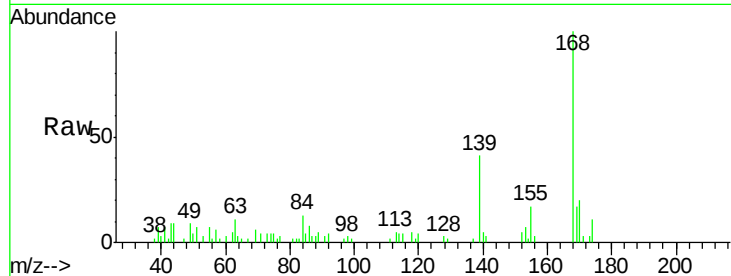




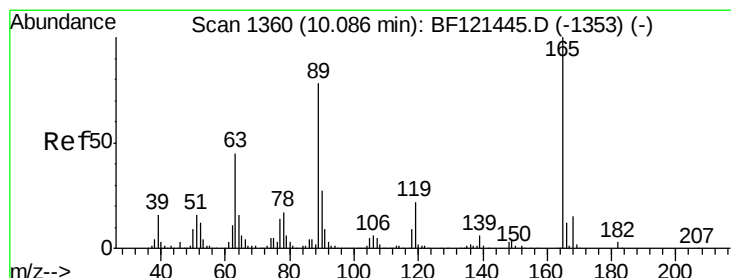
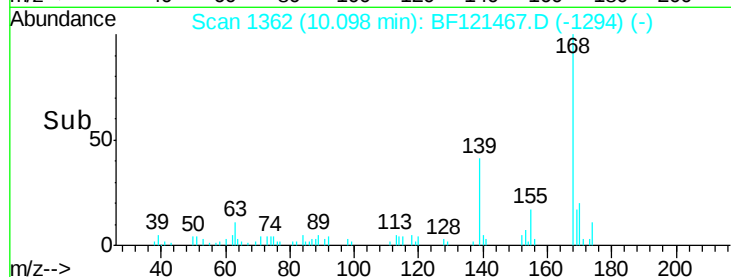
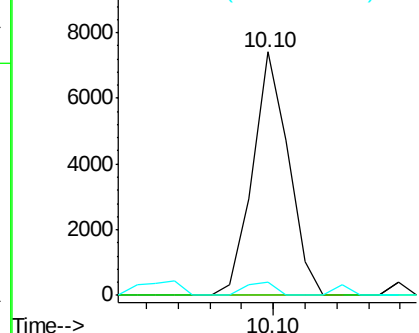
#56
4-Nitrophenol
Concen: 8.472 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.10 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	50.5	90.5#
65	5.4	80.2	120.2#



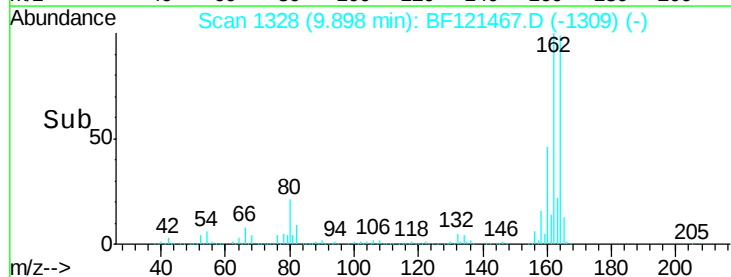
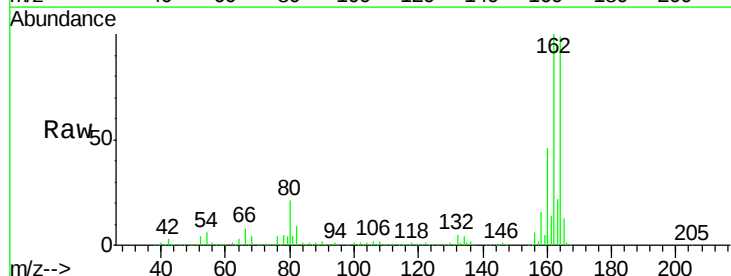
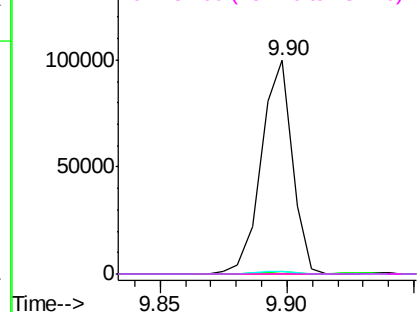
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

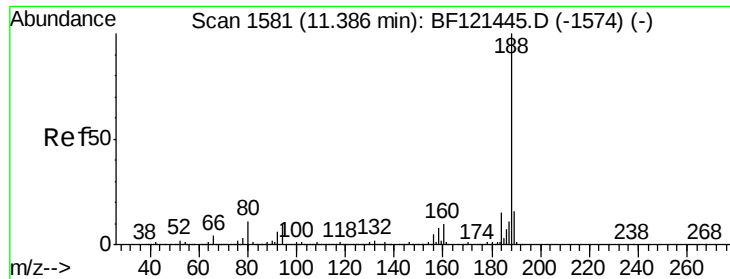


#57
2,4-Dinitrotoluene
Concen: 14.403 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.0	54.0#
89	1.4	62.6	93.8#
182	0.0	2.2	3.2#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

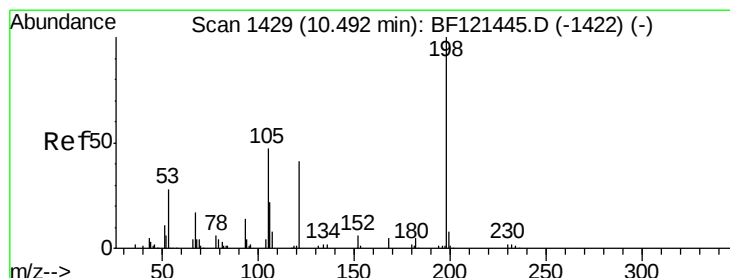
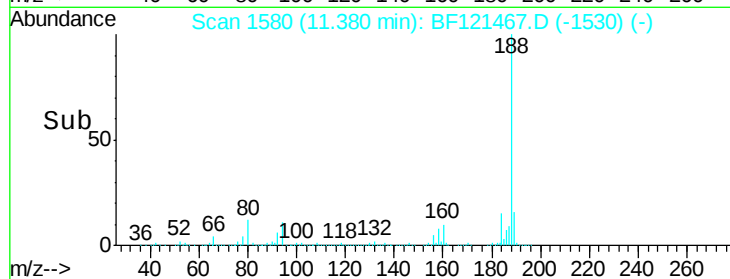
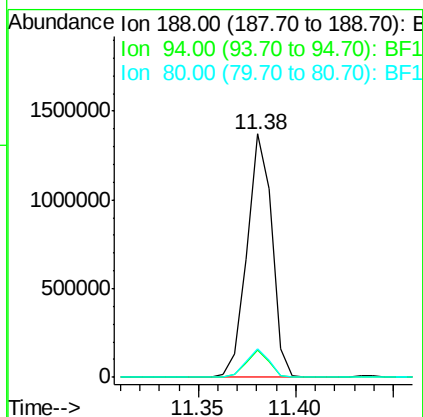
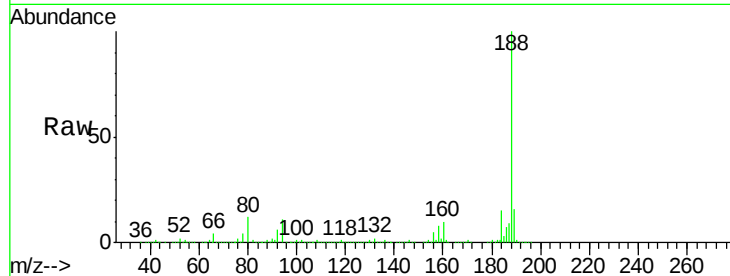




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

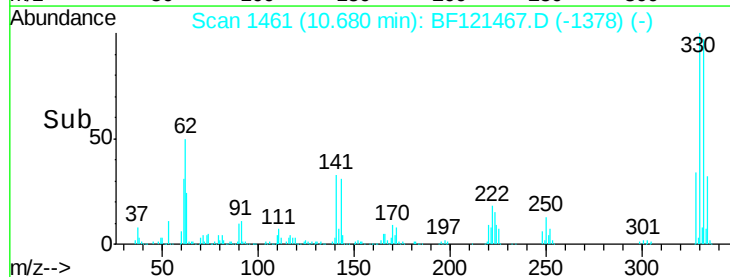
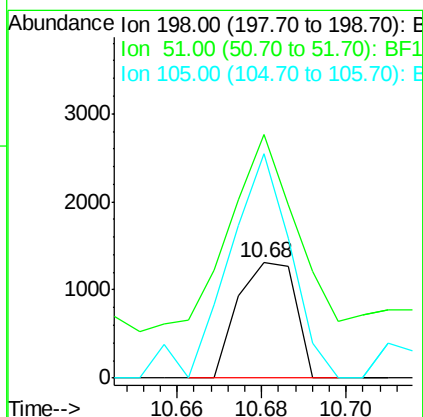
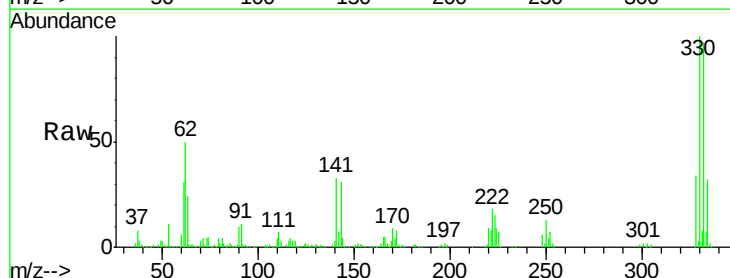
Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

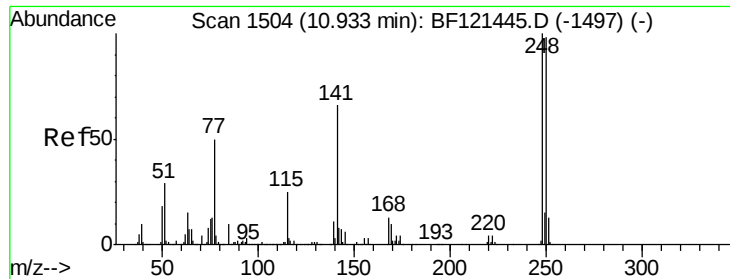
Tot Ion:188 Resp: 1208182
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 11.8 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 6.009 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.19 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Tgt Ion:198 Resp: 1239
Ion Ratio Lower Upper
198 100
51 211.7 29.0 69.0#
105 195.2 29.1 69.1#

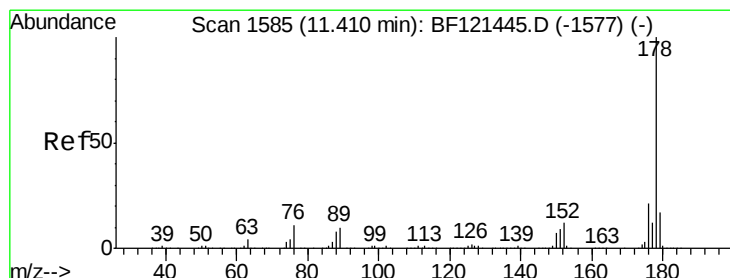
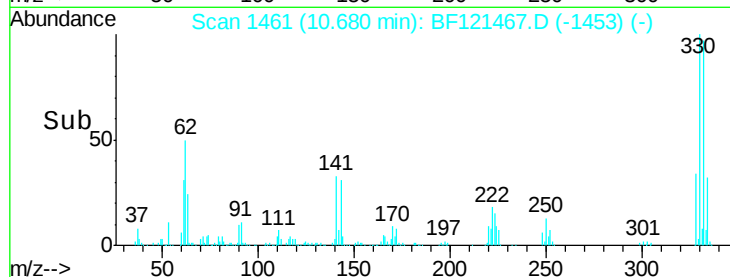
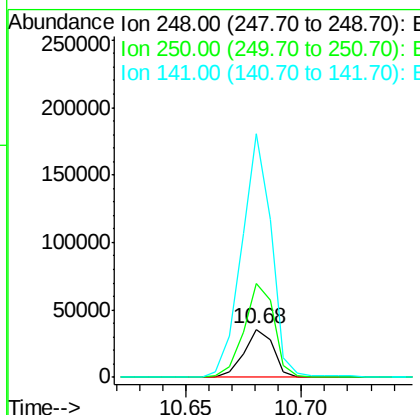
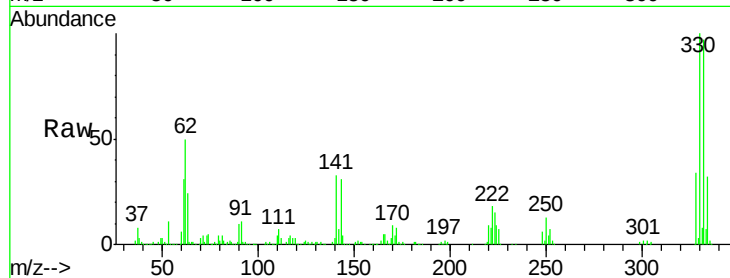




#67
 4-Bromophenyl-phenylether
 Concen: 2.402 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

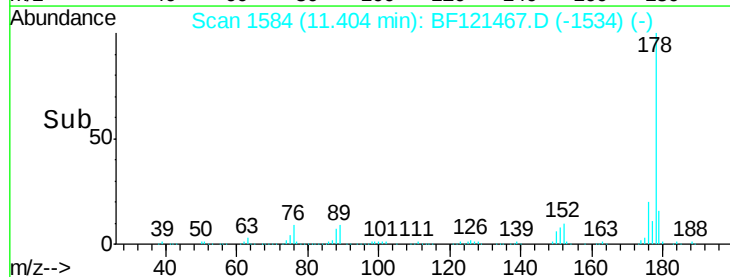
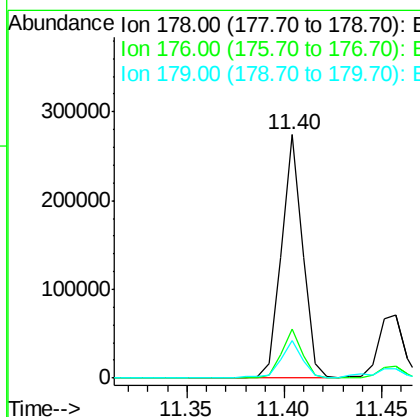
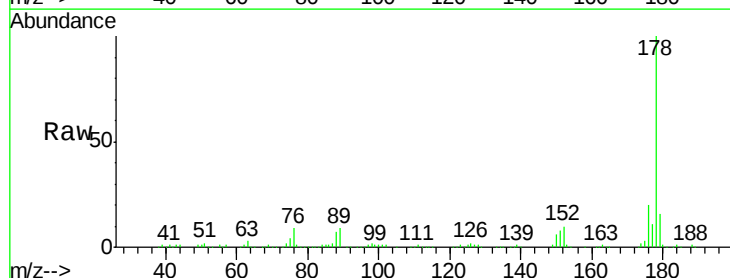
Instrument :
 BNA_F
 ClientSampleId :
 789UMR-TP05-1218-01

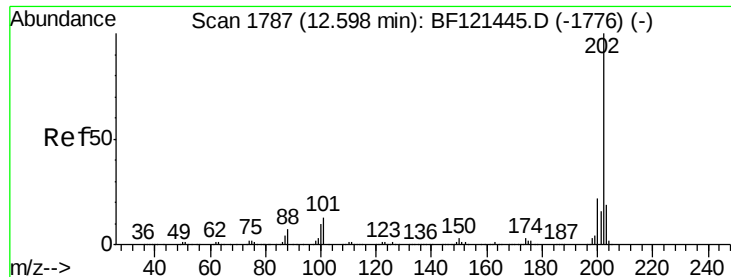
Tot Ion	Ratio	Lower	Upper
248	100		
250	196.8	78.7	118.1#
141	508.8	52.6	78.8#



#71
 Phenanthrene
 Concen: 3.342 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF121467.D
 Acq: 28 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.9	25.3
179	15.6	13.4	20.0





#75

Fluoranthene

Concen: 7.404 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

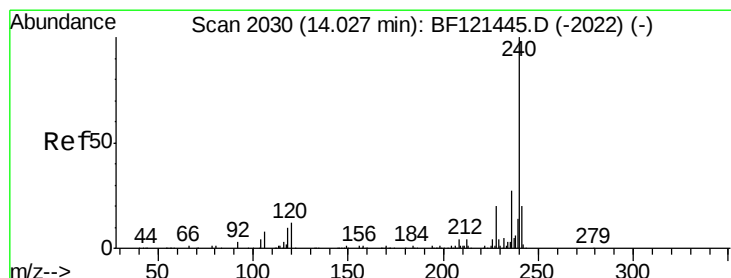
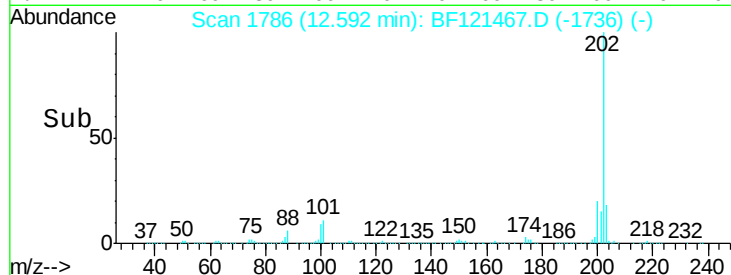
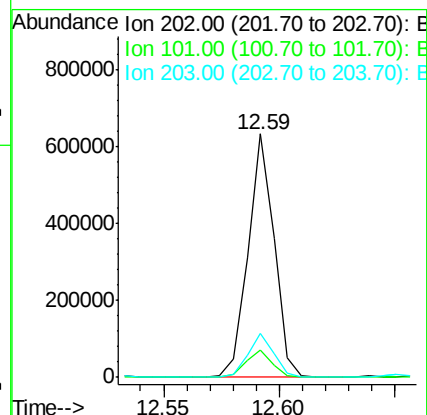
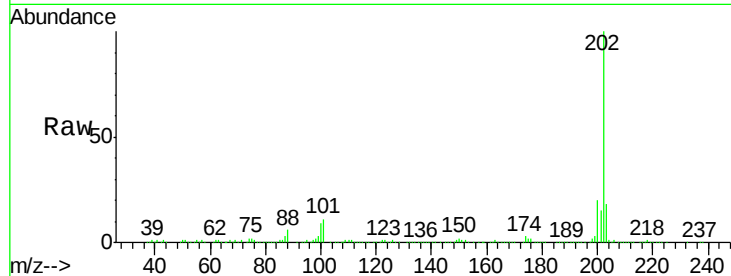
Instrument :

BNA_F

ClientSampleId :

789UMR-TP05-1218-01

Tot Ion:	202	Resp:	494753
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.3
203	18.0	0.0	39.1



#76

Chrysene-d12

Concen: 20.000 ng

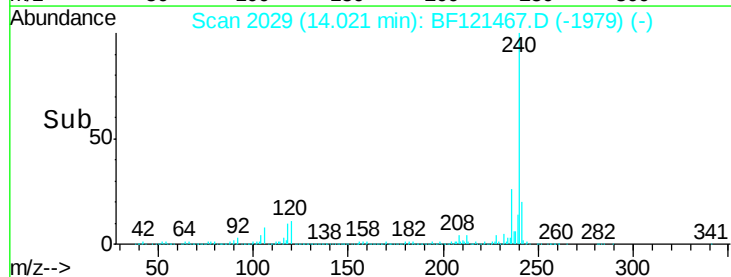
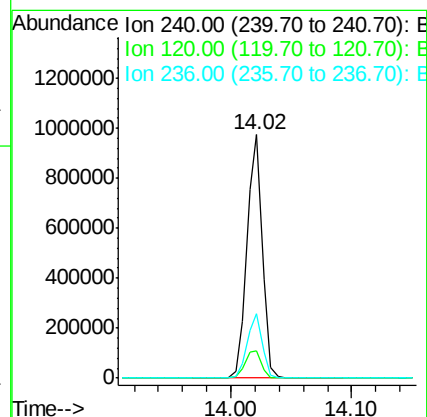
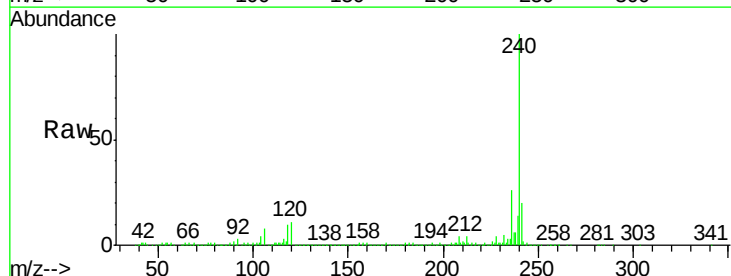
RT: 14.02 min Scan# 2029

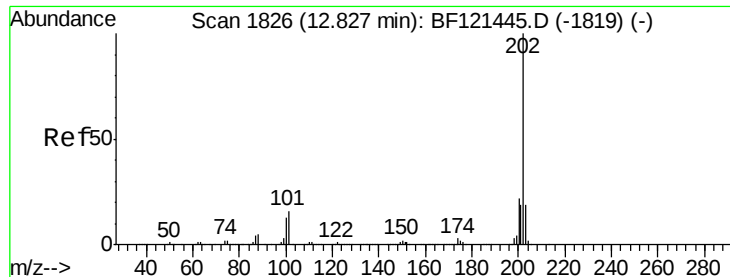
Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Tgt Ion:	240	Resp:	861648
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.2	21.8	32.6

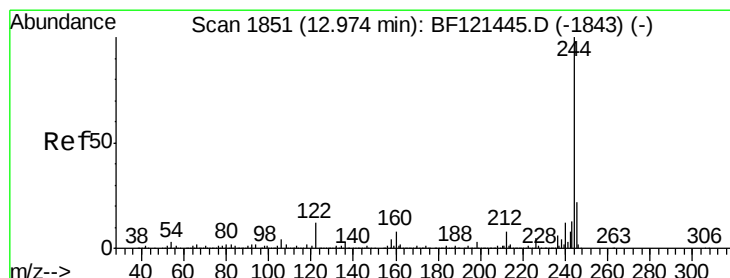
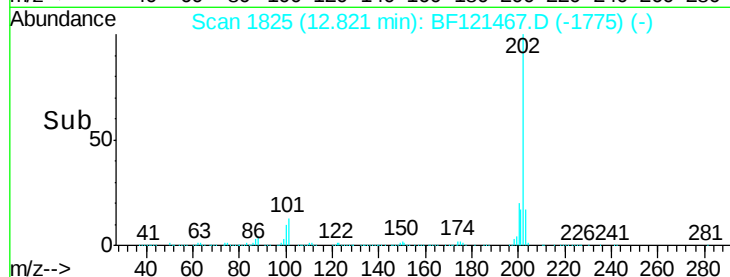
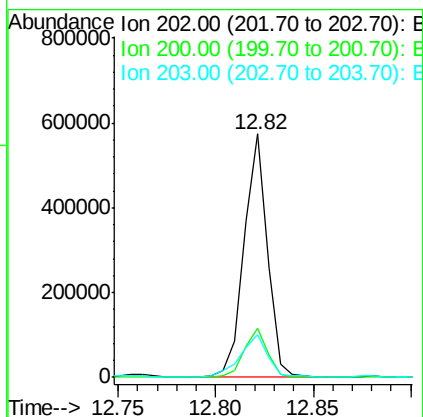
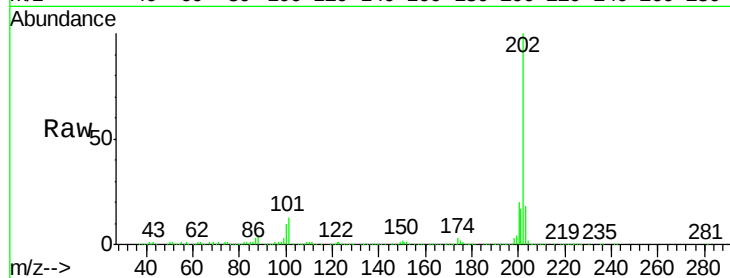




#78
Pvrene
Concen: 7.702 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

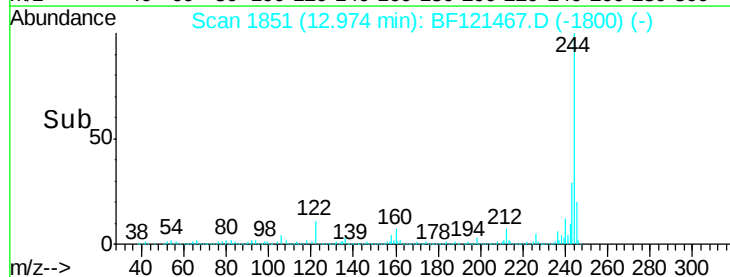
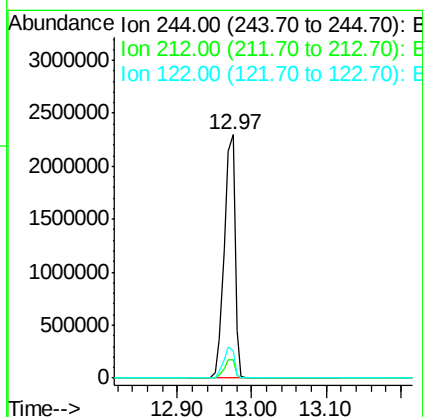
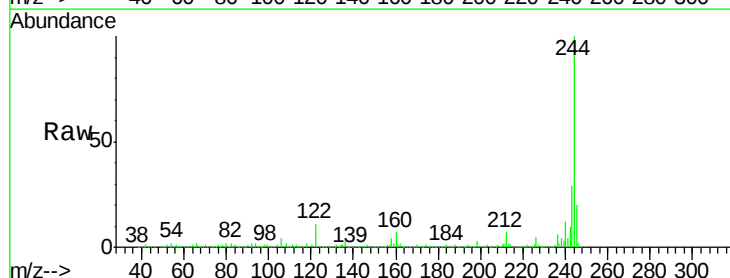
Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

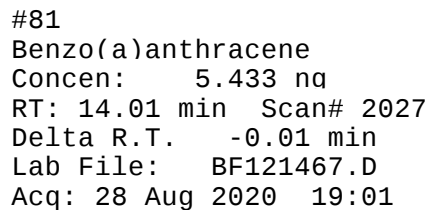
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.0	27.0
203	17.6	15.3	22.9



#79
Terphenyl-d14
Concen: 56.634 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

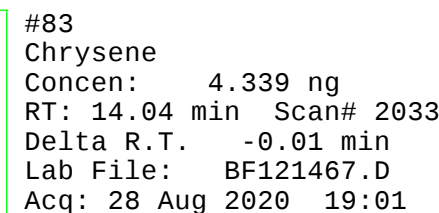
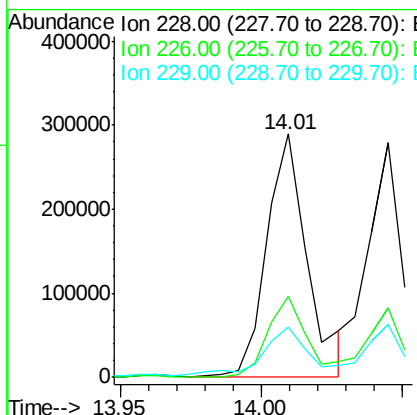
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	11.2	9.5	14.3



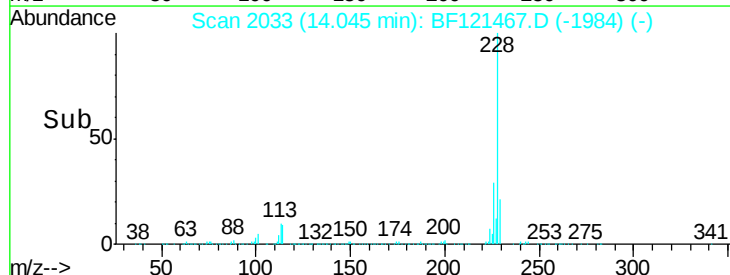
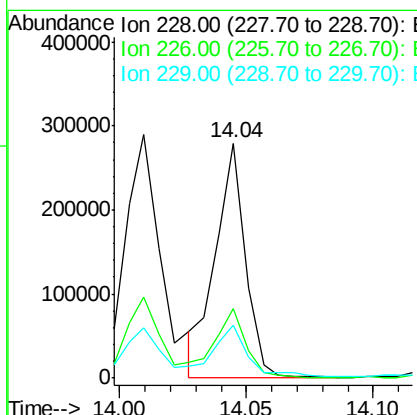


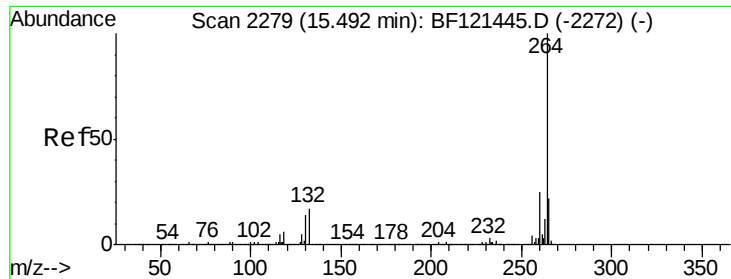
Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

Tot	Ion:228	Resp:	285798
Ion	Ratio	Lower	Upper
228	100		
226	33.4	23.0	34.4
229	20.6	16.6	24.8



Tgt	Ion:228	Resp:	228317
Ion	Ratio	Lower	Upper
228	100		
226	29.8	26.2	39.2
229	22.3	16.6	25.0



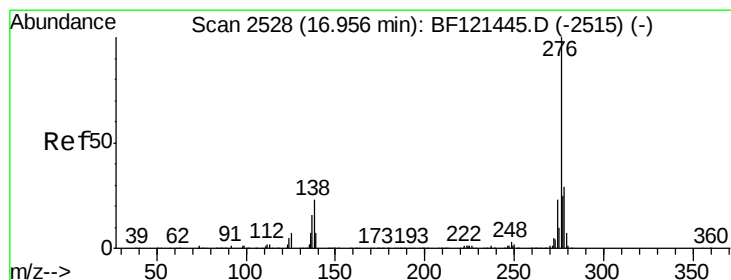
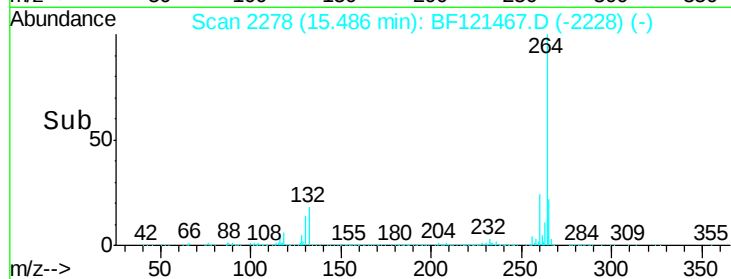
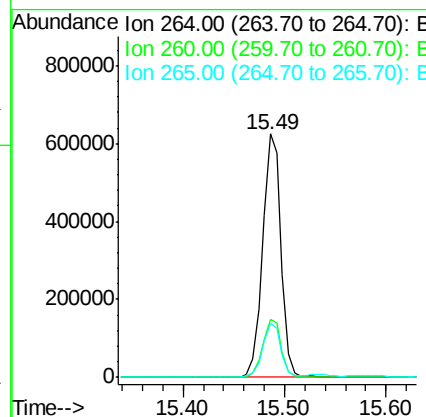
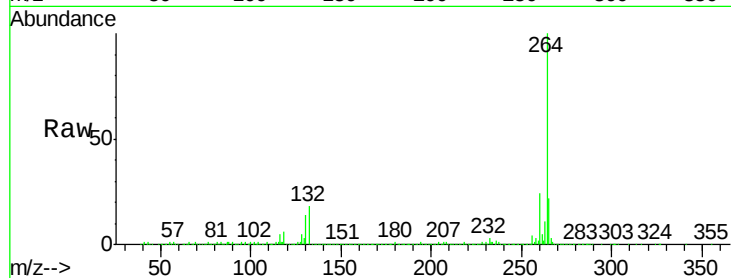


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

Tot Ion:264 Resp: 779950

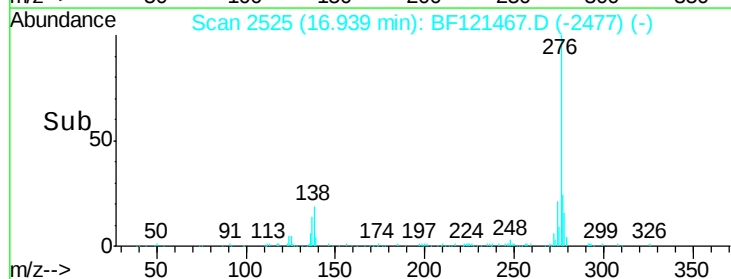
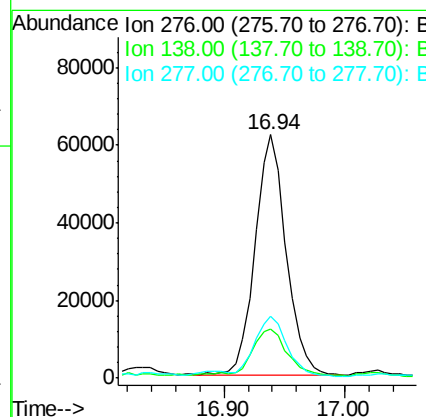
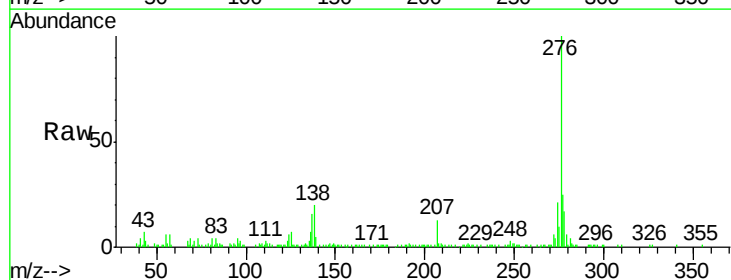
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.1	17.8	26.6

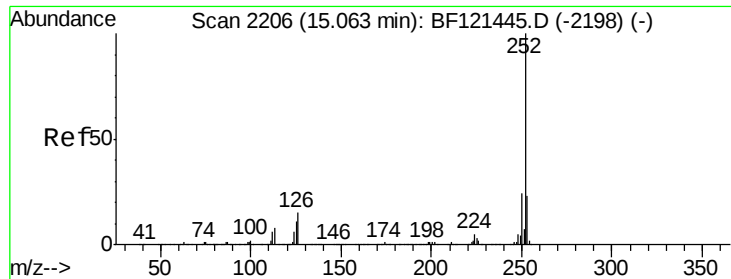


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.314 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Tgt Ion:276 Resp: 111065

Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.6	31.0
277	25.9	20.5	30.7

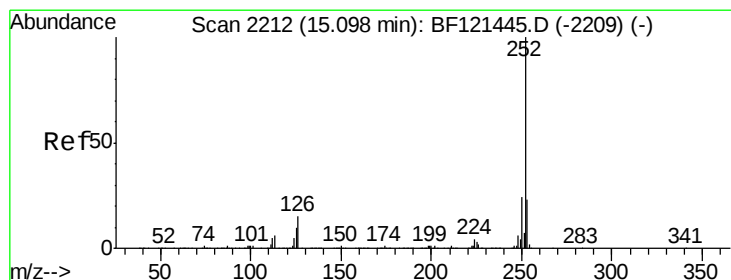
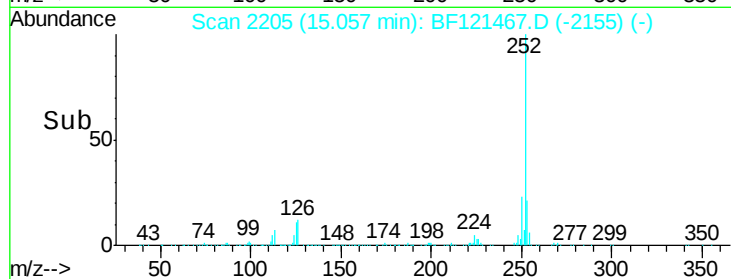
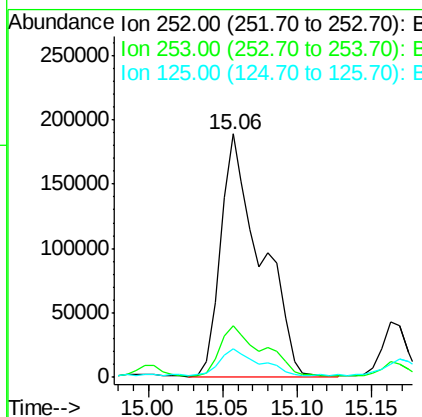
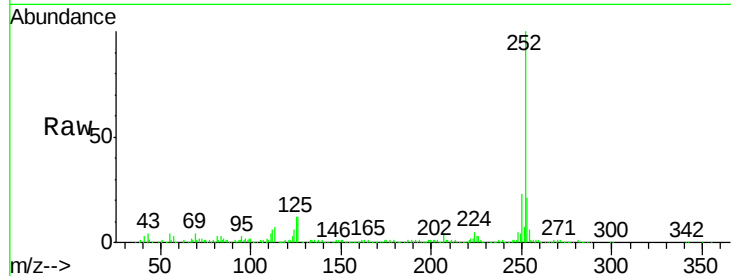




#88
Benzo(b)fluoranthene
Concen: 6.929 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

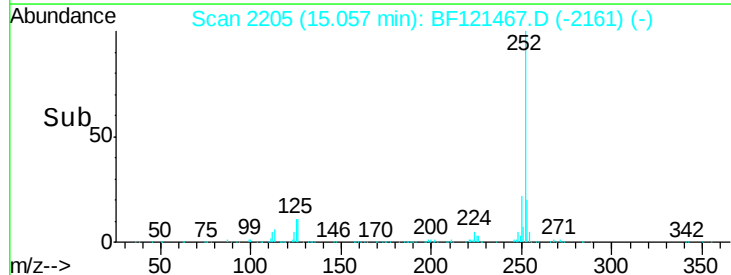
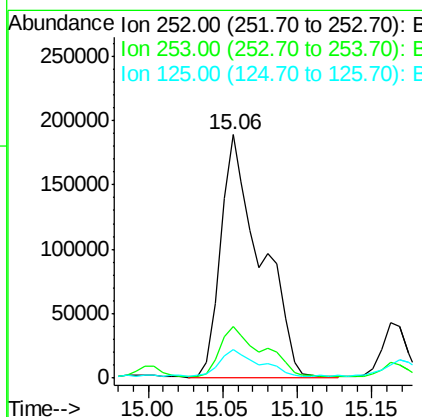
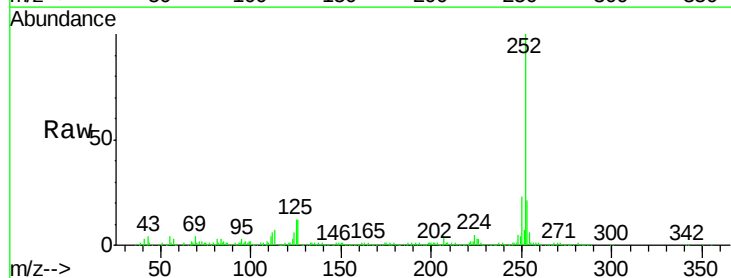
Instrument :
BNA_F
ClientSampleId :
789UMR-TP05-1218-01

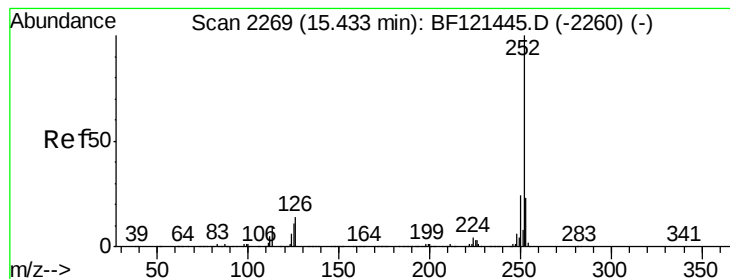
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.3	27.5
125	11.7	9.2	13.8



#89
Benzo(k)fluoranthene
Concen: 7.450 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF121467.D
Acq: 28 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.3	27.5
125	11.7	8.5	12.7





#90

Benzo(a)pyrene

Concen: 4.166 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Instrument :

BNA_F

ClientSampleId :

789UMR-TP05-1218-01

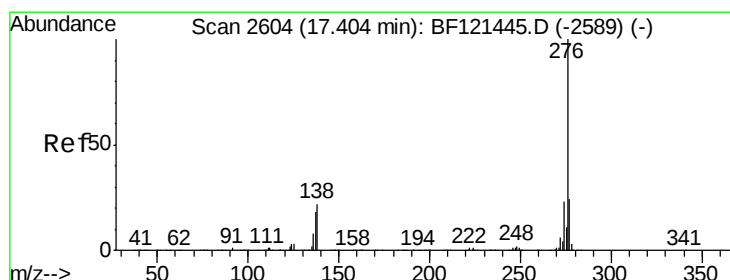
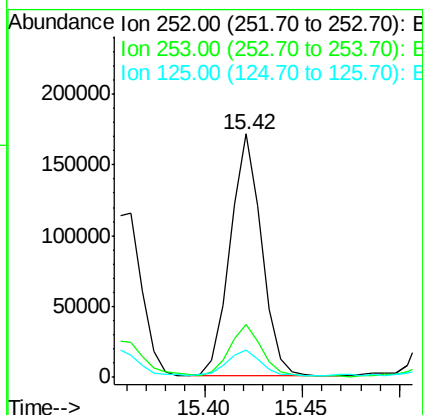
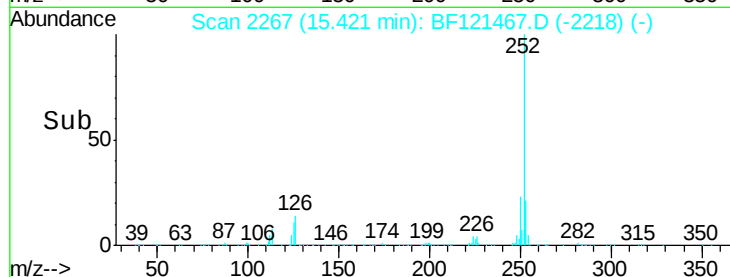
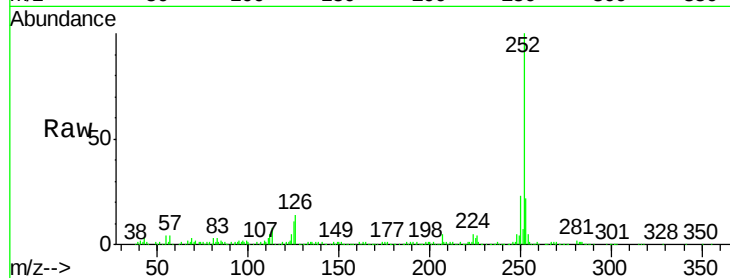
Tot Ion:252 Resp: 190079

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 11.5 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 2.950 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.02 min

Lab File: BF121467.D

Acq: 28 Aug 2020 19:01

Tgt Ion:276 Resp: 111629

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 22.9 17.4 26.0

