

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097332.D
 Acq On : 3 Aug 2017 22:28
 Operator : SJ/JU
 Sample : I4541-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Quant Time: Aug 04 01:09:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

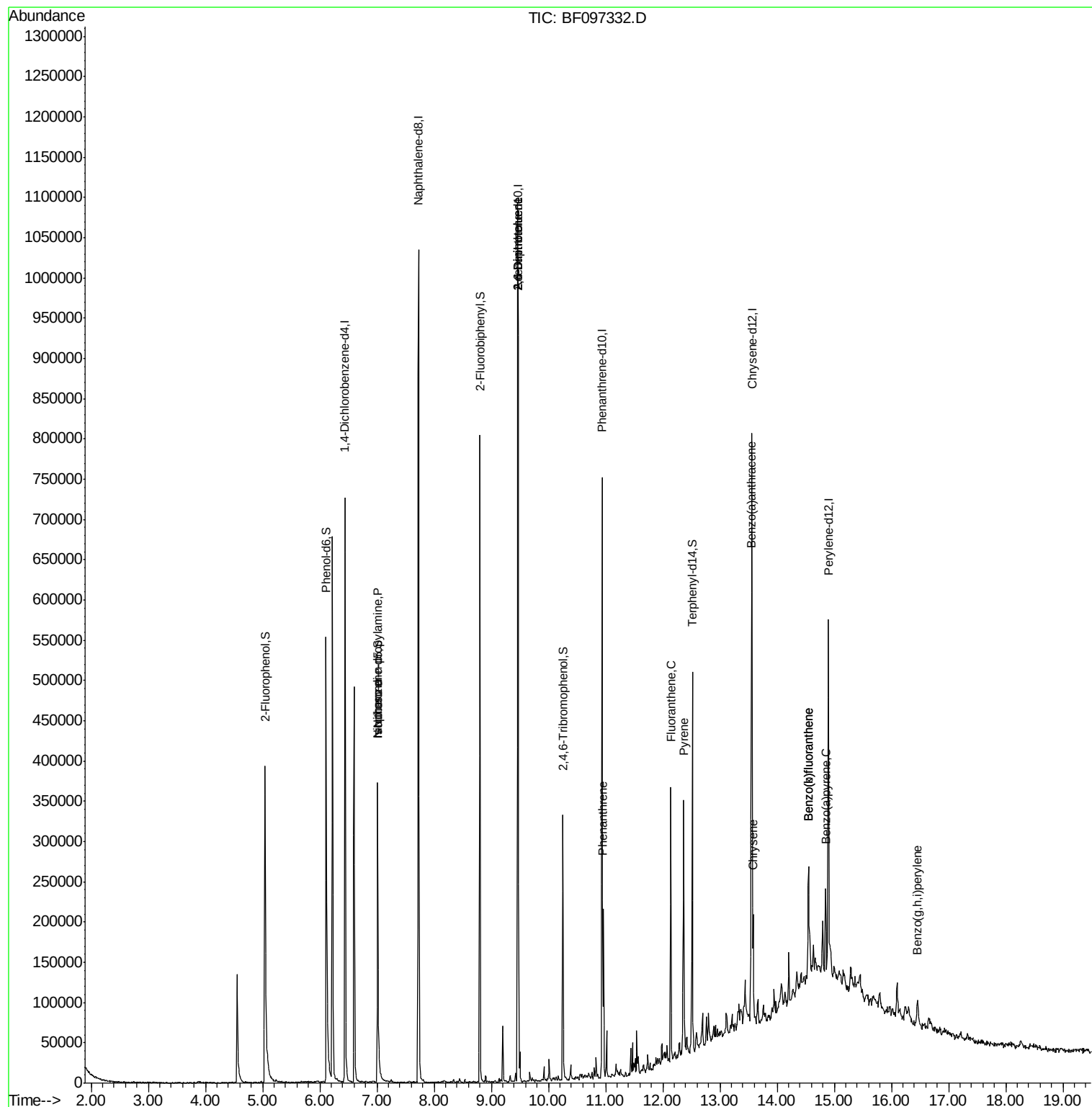
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	115008	20.00	ng	-0.06
21) Naphthalene-d8	7.73	136	461686	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	204688	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	275190	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	209313	20.00	ng	-0.07
86) Perylene-d12	14.90	264	168361	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	174120	22.82	ng	-0.06
7) Phenol-d6	6.11	99	238187	27.35	ng	-0.06
23) Nitrobenzene-d5	7.01	82	130659	16.60	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	33016	20.42	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	218584	18.12	ng	-0.07
78) Terphenyl-d14	12.52	244	132981	12.95	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.01	70	16702	2.913	ng	# 86
25) Isophorone	7.01	82	127455	8.270	ng	# 67
50) 2,6-Dinitrotoluene	9.46	165	26862	8.148	ng	# 34
56) 2,4-Dinitrotoluene	9.46	165	26862	7.088	ng	# 33
70) Phenanthrene	10.96	178	85620	5.807	ng	97
74) Fluoranthene	12.14	202	124319	8.606	ng	98
77) Pyrene	12.36	202	113360	6.615	ng	98
80) Benzo(a)anthracene	13.54	228	51380	3.794	ng	95
82) Chrysene	13.58	228	47684	3.606	ng	97
87) Benzo(b)fluoranthene	14.55	252	72169	7.131	ng	# 91
88) Benzo(k)fluoranthene	14.55	252	72169	7.483	ng	96
89) Benzo(a)pyrene	14.85	252	38663	4.174	ng	97
91) Benzo(a,h,i)perylene	16.46	276	19376	2.433	ng	97

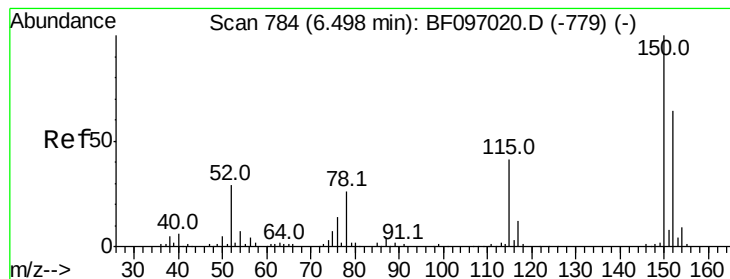
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.44 min Scan# 774

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

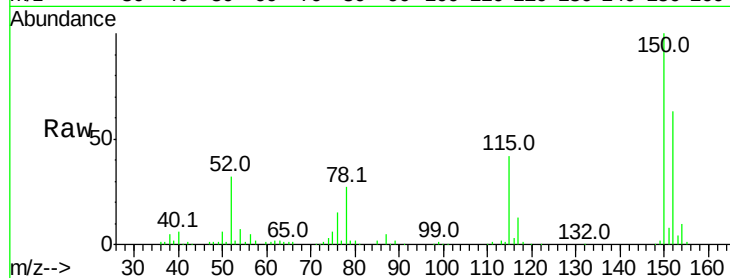
Tot Ion:152 Resp: 115008

Ion Ratio Lower Upper

152 100

150 158.0 126.2 189.2

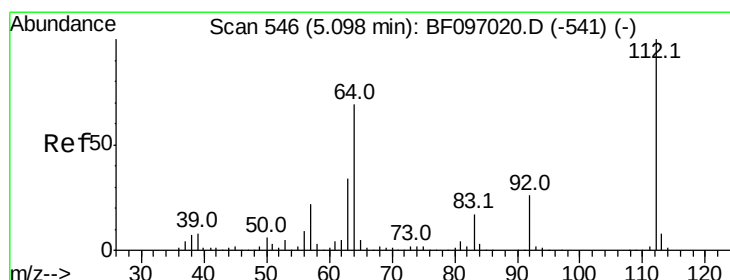
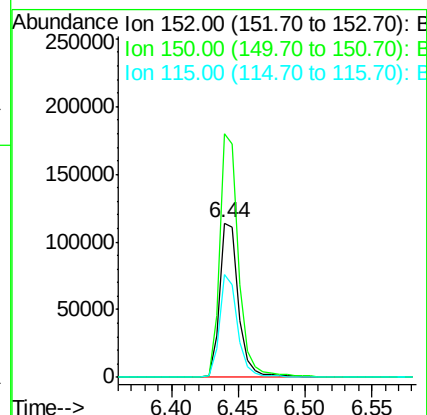
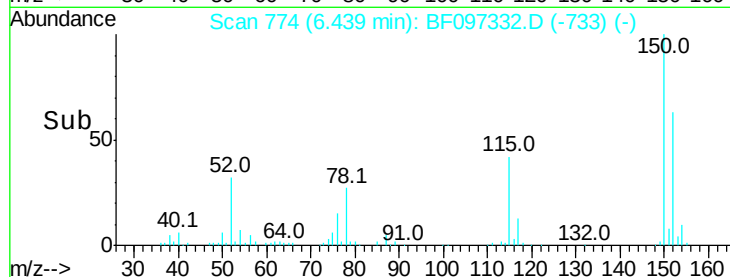
115 66.3 52.2 78.2



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: 22.823 ng

RT: 5.04 min Scan# 536

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

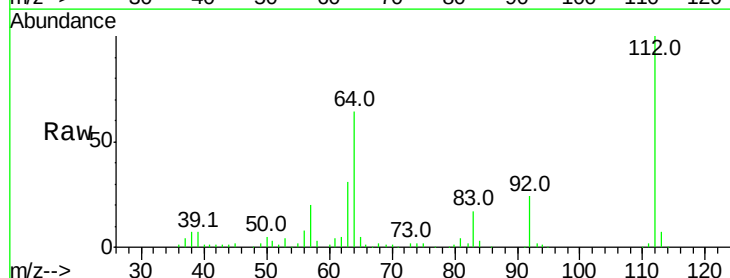
Tgt Ion:112 Resp: 174120

Ion Ratio Lower Upper

112 100

64 64.4 46.0 69.0

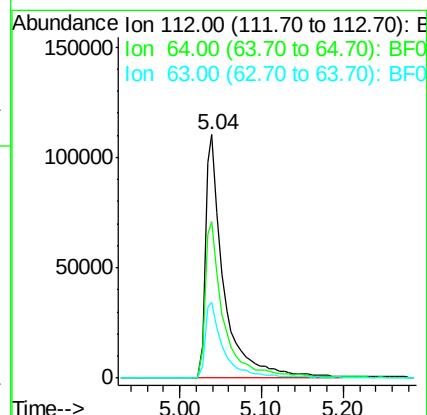
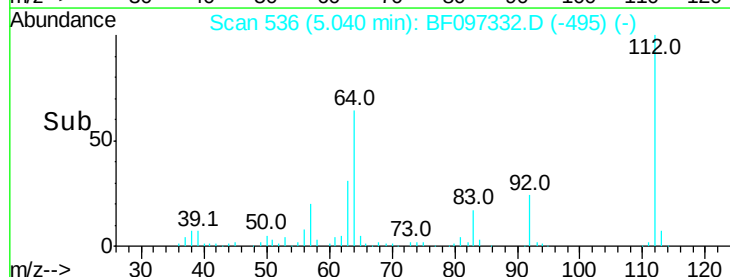
63 31.3 23.4 35.0

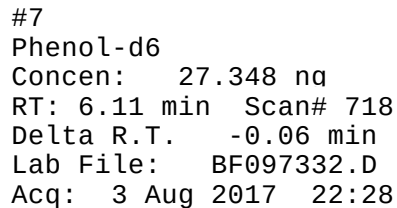


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

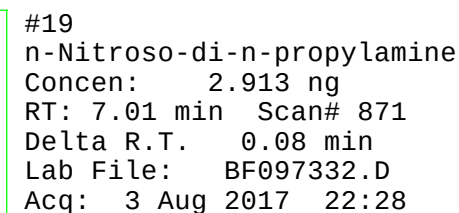
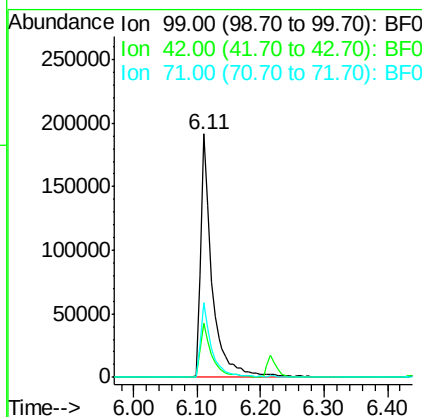
Ion 63.00 (62.70 to 63.70): BF0



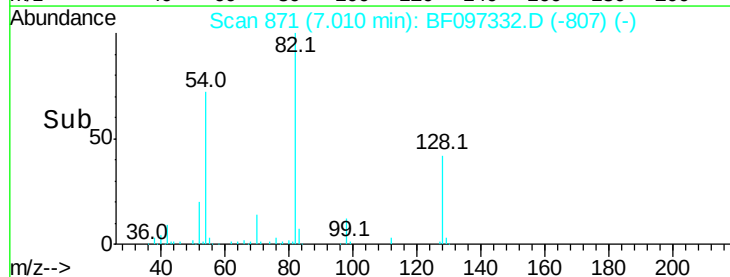
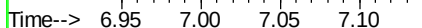
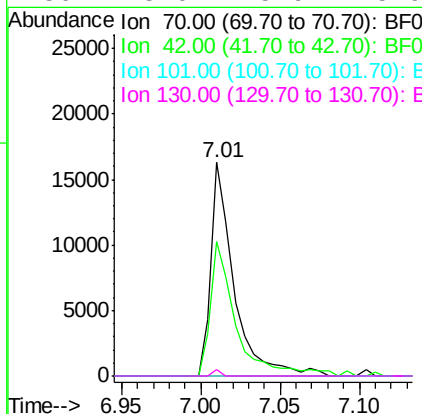


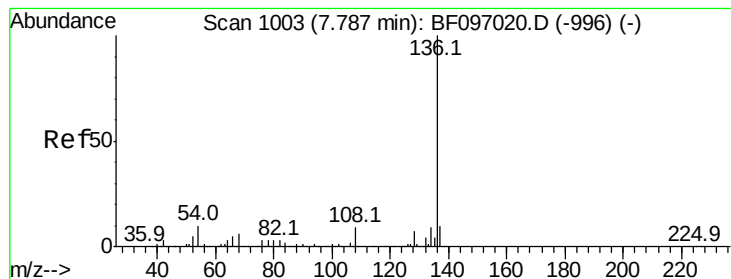
Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tot	Ion: 99	Resp:	238187
Ion	Ratio	Lower	Upper
99	100		
42	22.5	13.5	20.3#
71	30.9	24.5	36.7



Tgt	Ion: 70	Resp:	16702
Ion	Ratio	Lower	Upper
70	100		
42	62.9	47.2	70.8
101	0.0	7.2	10.8#
130	3.0	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 993

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

Tot Ion:136 Resp: 461686

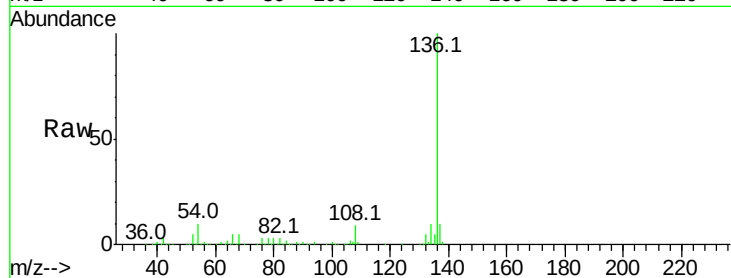
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 9.9 4.9 7.3#

68 5.3 4.1 6.1

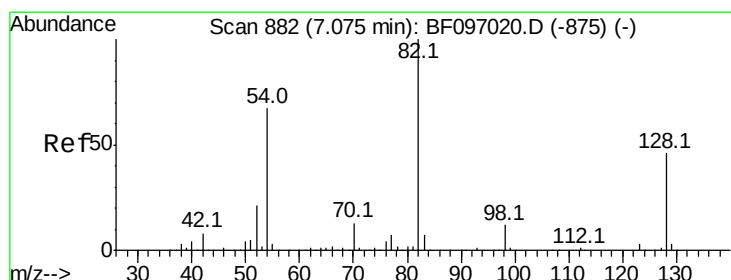
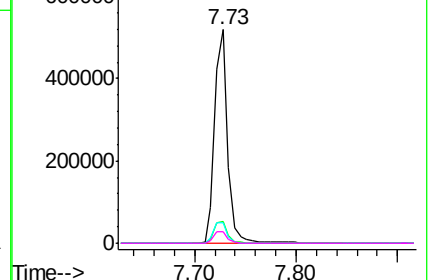
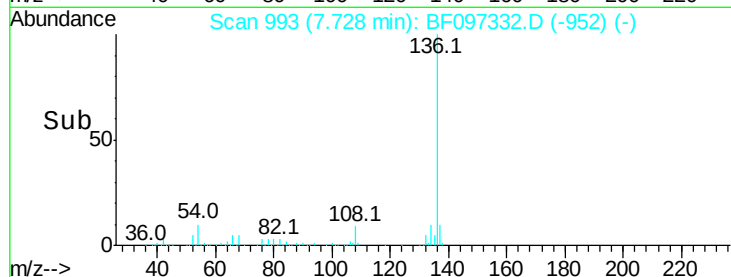


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 16.602 ng

RT: 7.01 min Scan# 871

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

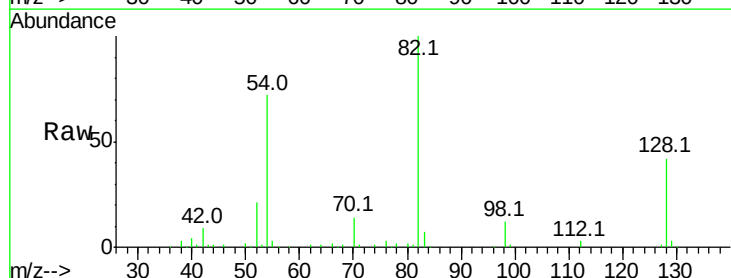
Tgt Ion: 82 Resp: 130659

Ion Ratio Lower Upper

82 100

128 41.9 34.0 51.0

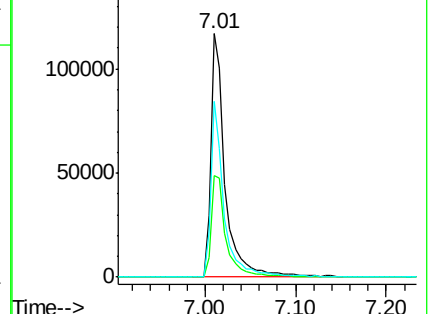
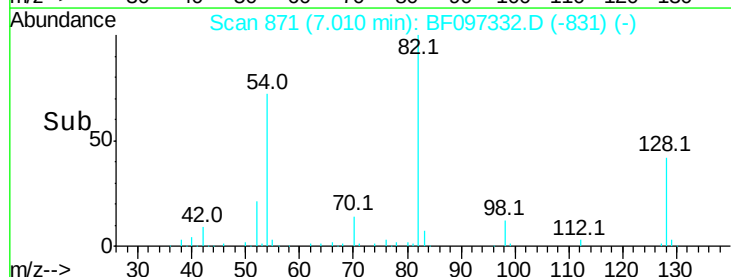
54 71.9 42.2 63.2#

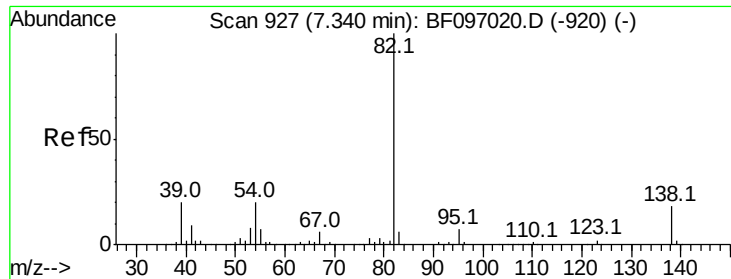


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.270 ng

RT: 7.01 min Scan# 871

Delta R.T. -0.33 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

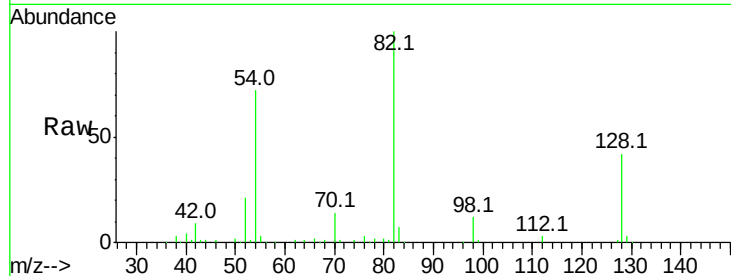
Tot Ion: 82 Resp: 127455

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

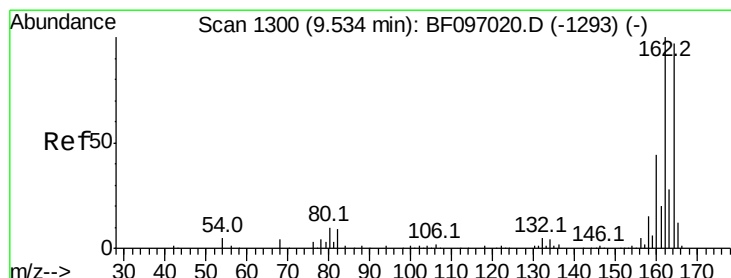
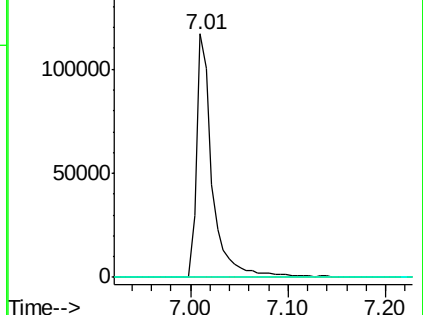
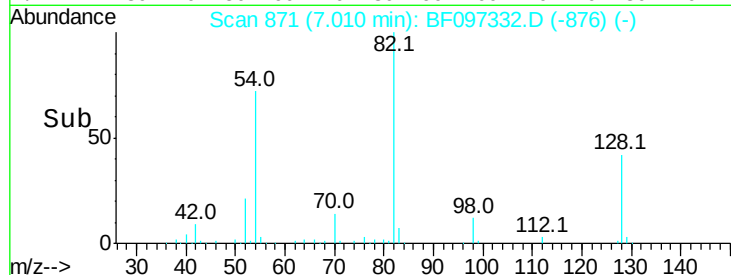
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.07 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

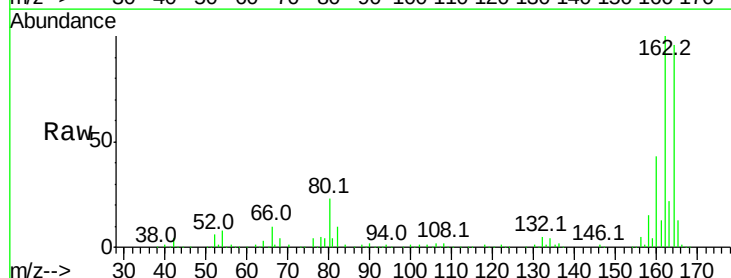
Tgt Ion:164 Resp: 204688

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

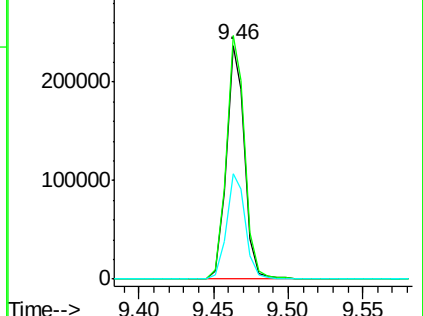
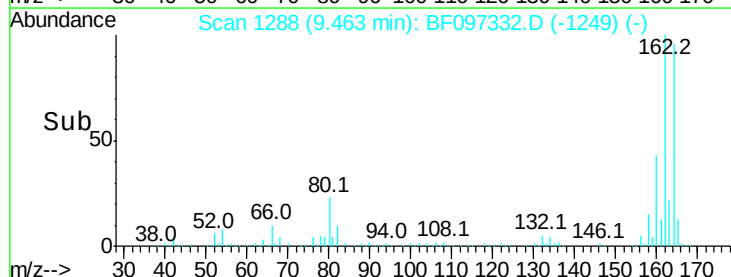
160 45.1 36.2 54.2

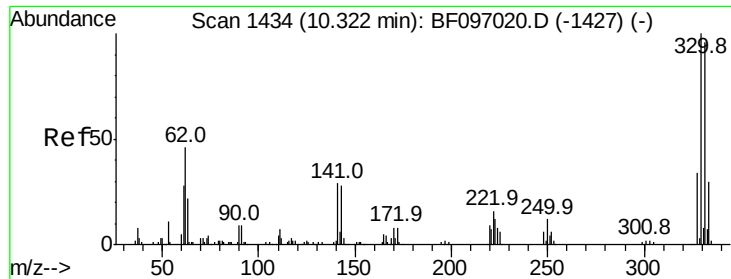


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

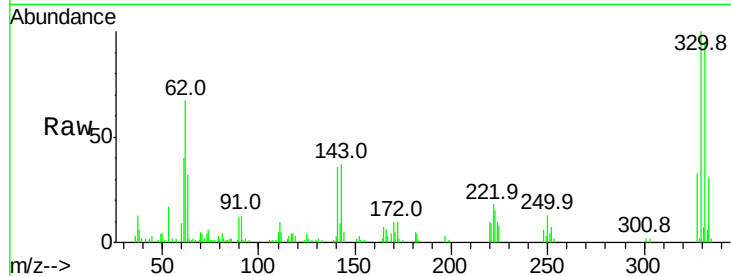




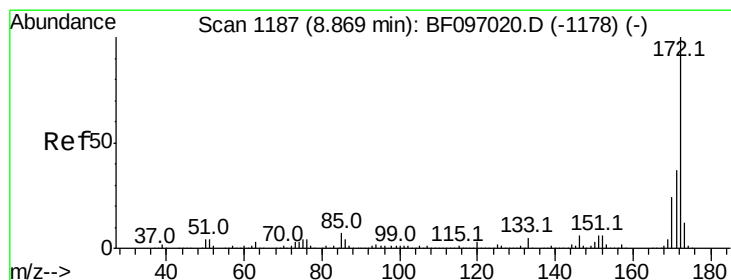
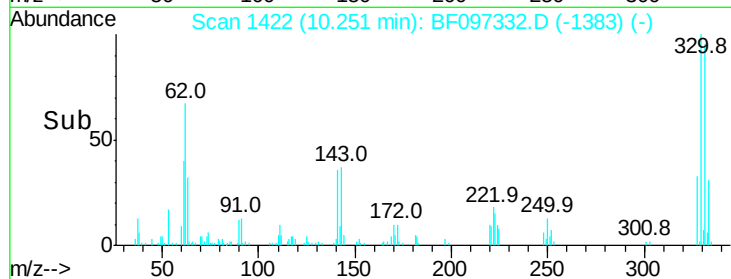
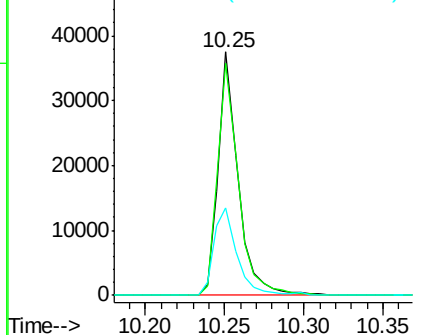
#41
 2,4,6-Tribromophenol
 Concen: 20.415 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	115.0
141	42.1	31.4	47.2

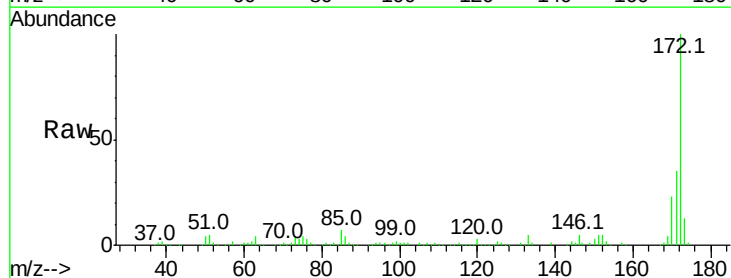


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

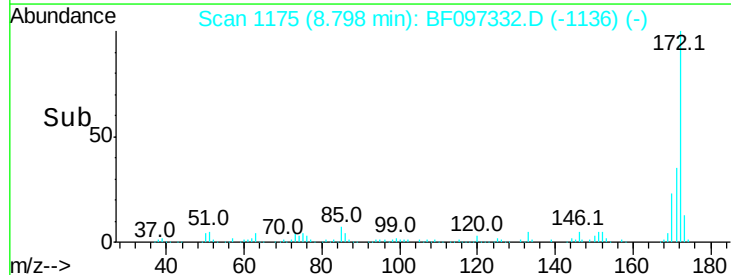
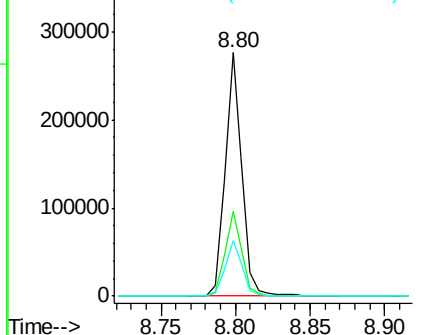


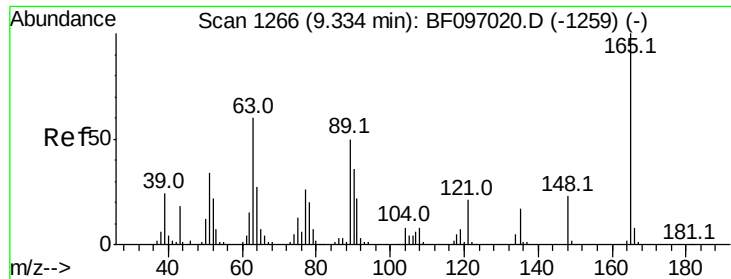
#44
 2-Fluorobiphenyl
 Concen: 18.123 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	22.8	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

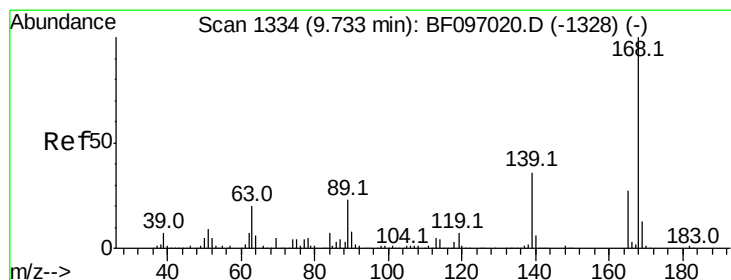
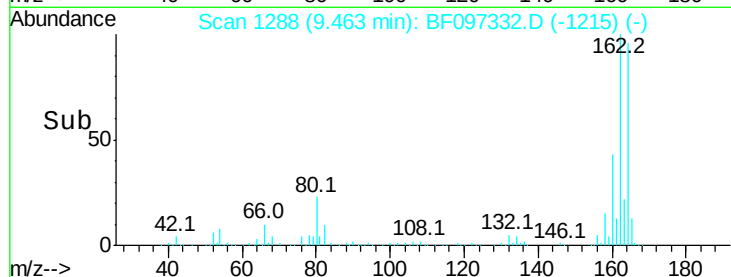
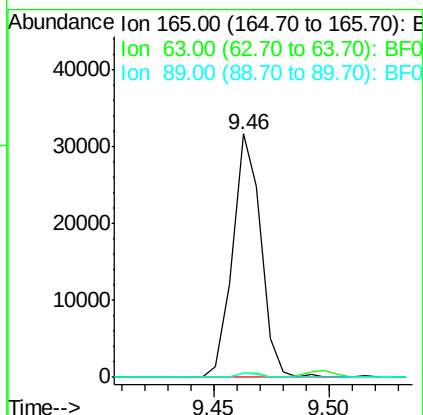
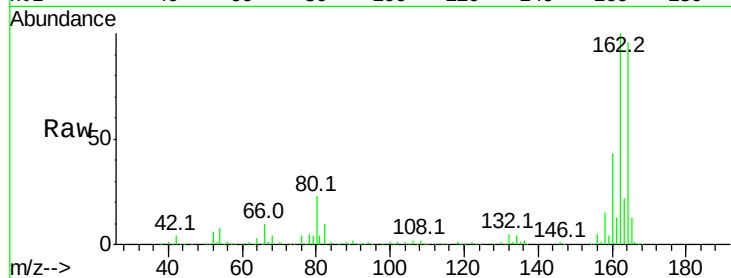




#50
 2,6-Dinitrotoluene
 Concen: 8.148 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. 0.13 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

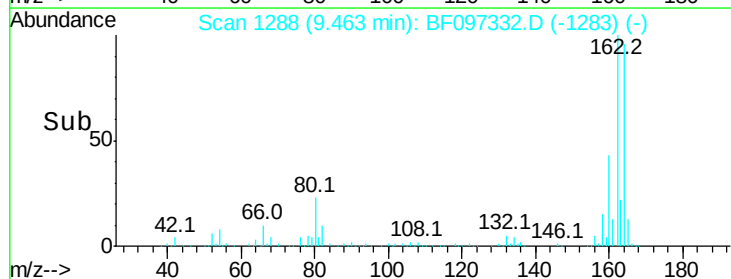
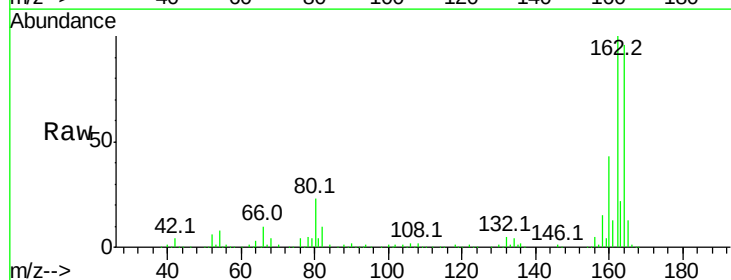
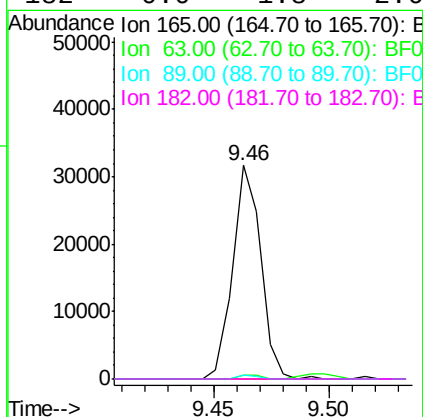
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

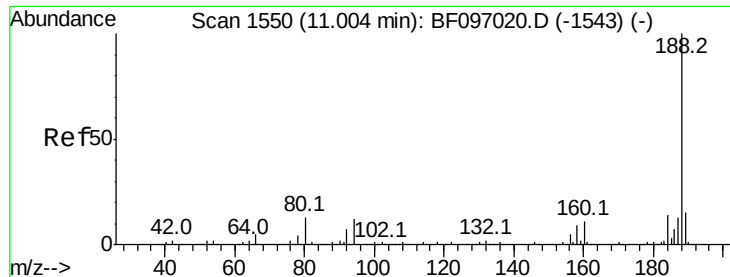
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.088 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.27 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.94 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

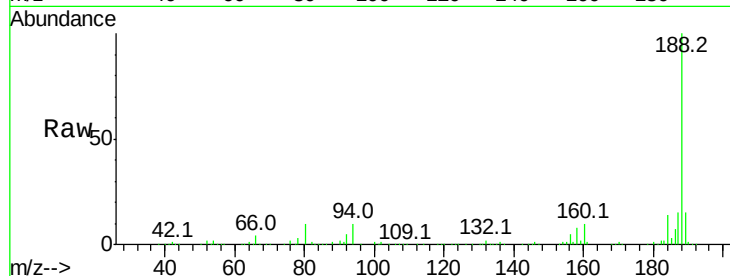
Tot Ion:188 Resp: 275190

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

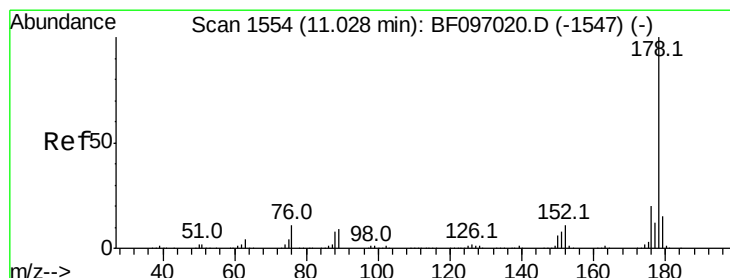
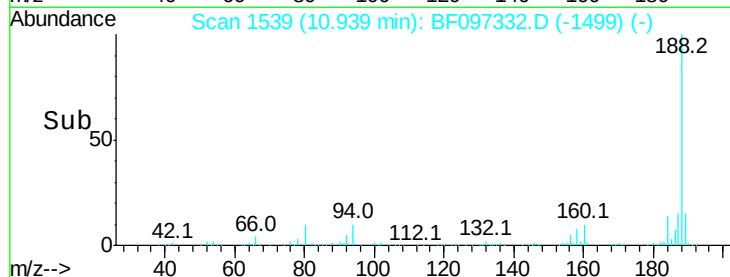
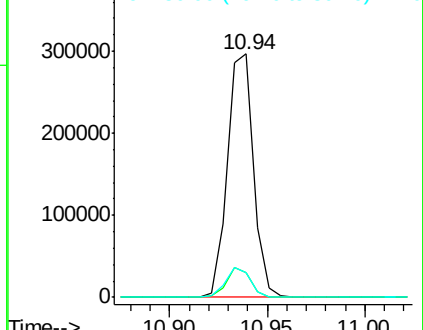
80 10.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.807 ng

RT: 10.96 min Scan# 1543

Delta R.T. -0.06 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

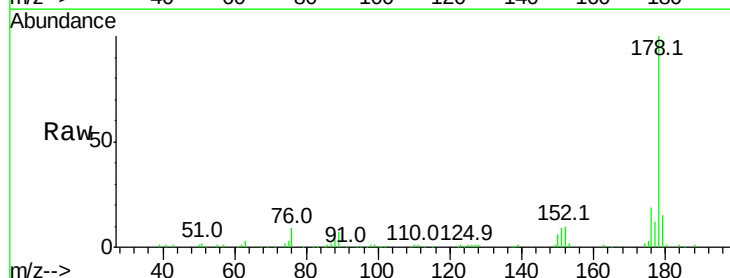
Tgt Ion:178 Resp: 85620

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

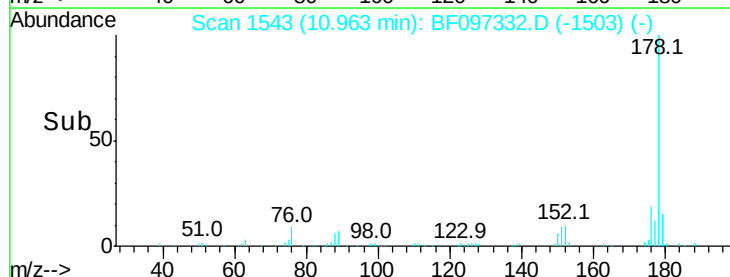
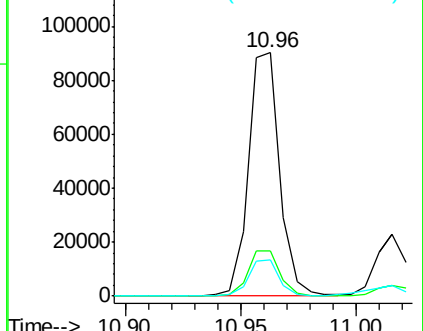
179 15.1 12.6 19.0

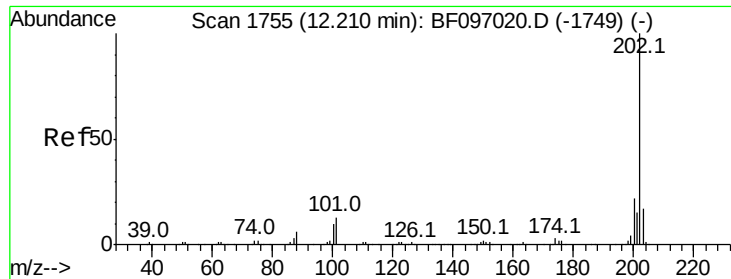


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

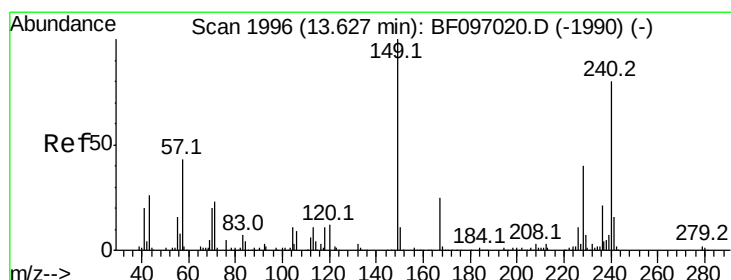
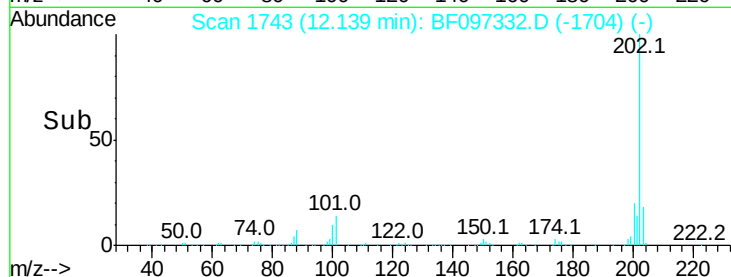
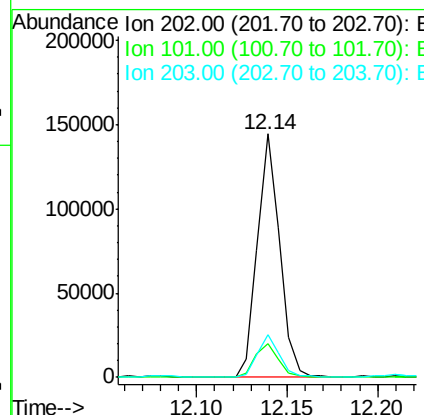
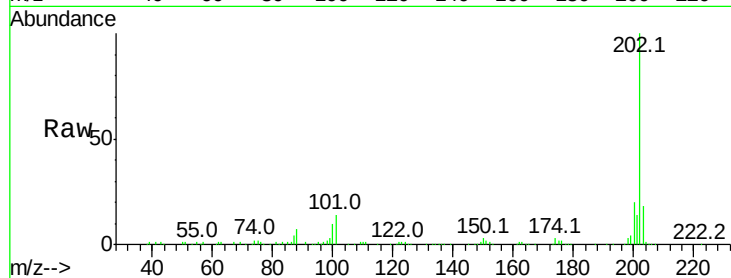




#74
 Fluoranthene
 Concen: 8.606 ng
 RT: 12.14 min Scan# 1743
 Delta R.T. -0.07 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

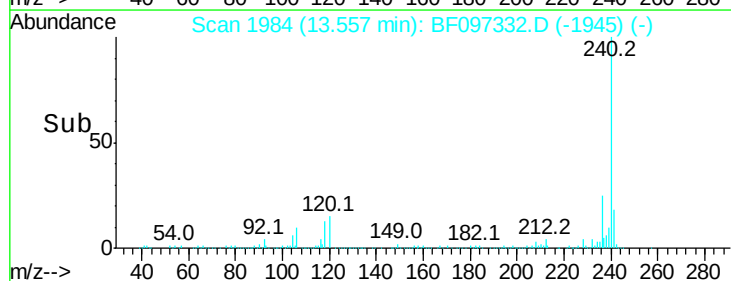
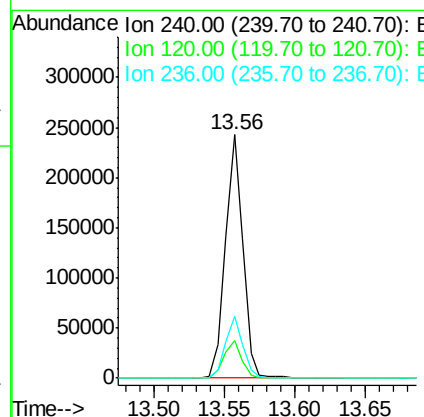
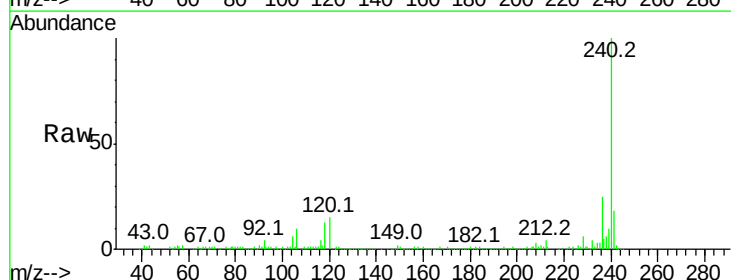
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

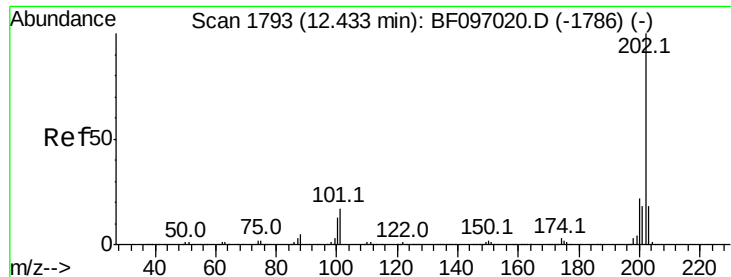
Tot Ion:	202	Resp:	124319
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.56 min Scan# 1984
 Delta R.T. -0.07 min
 Lab File: BF097332.D
 Acq: 3 Aug 2017 22:28

Tgt Ion:	240	Resp:	209313
Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.4	20.5	30.7

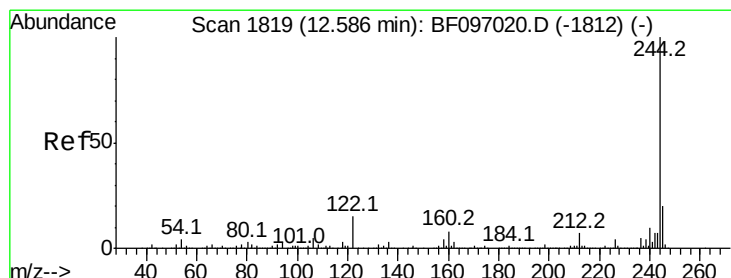
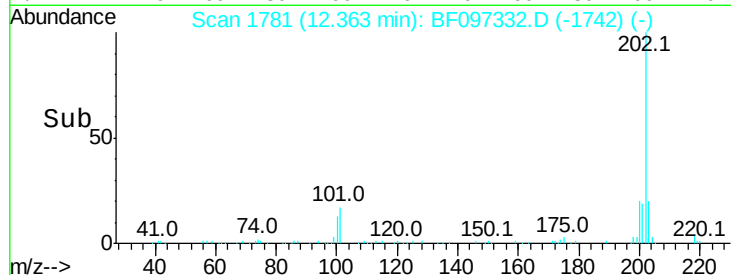
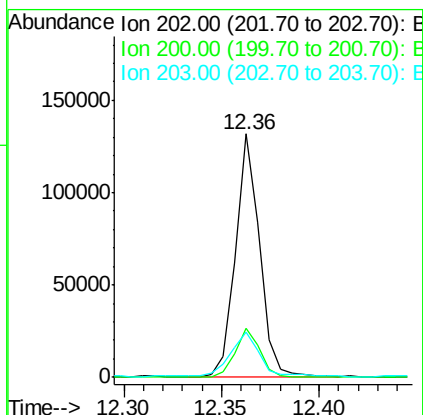
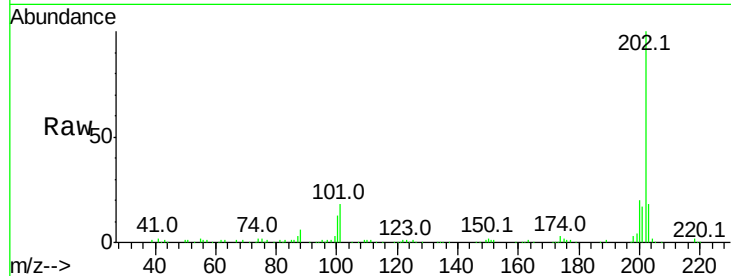




#77
Pvrene
Concen: 6.615 ng
RT: 12.36 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

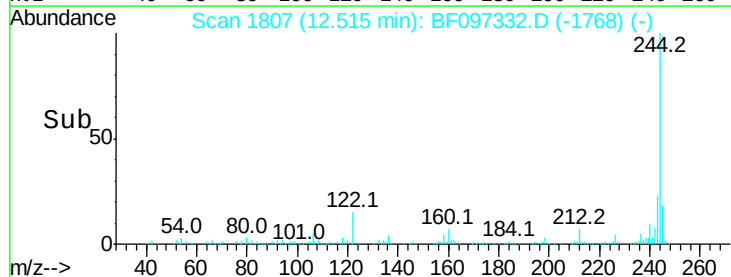
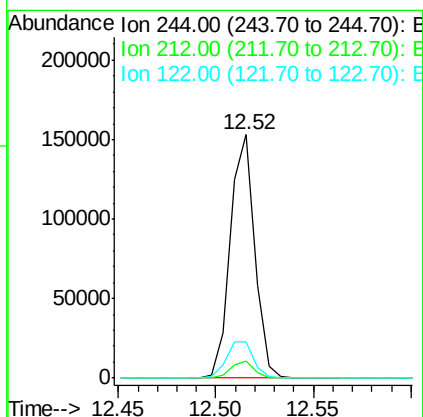
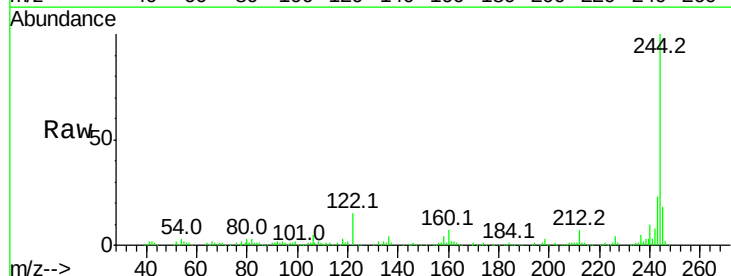
Instrument :
BNA_F
ClientSampleId :
VNJ-220

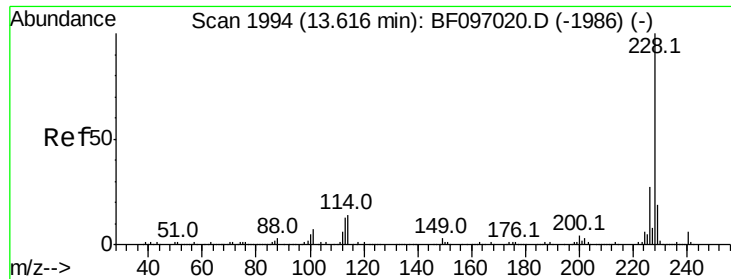
Tot Ion:202 Resp: 113360
Ion Ratio Lower Upper
202 100
200 20.2 17.6 26.4
203 18.4 14.4 21.6



#78
Terphenyl-d14
Concen: 12.953 ng
RT: 12.52 min Scan# 1807
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:244 Resp: 132981
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.794 ng

RT: 13.54 min Scan# 1982

Delta R.T. -0.07 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

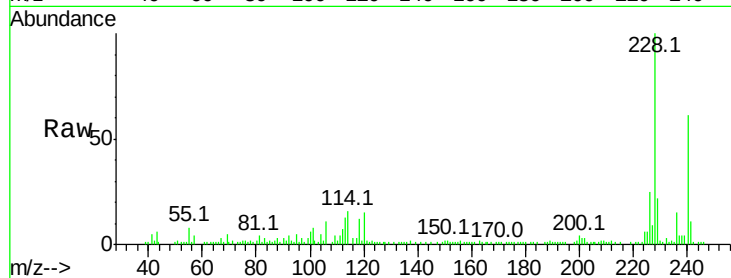
Tot Ion:228 Resp: 51380

Ion Ratio Lower Upper

228 100

226 25.3 22.6 33.8

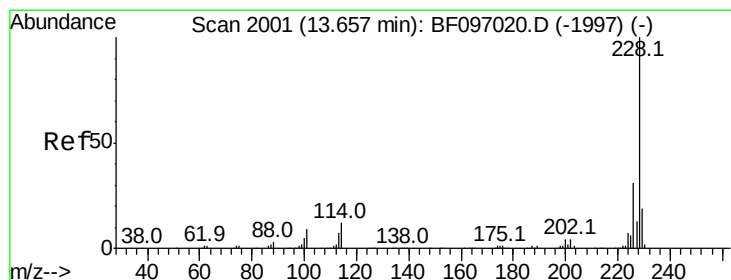
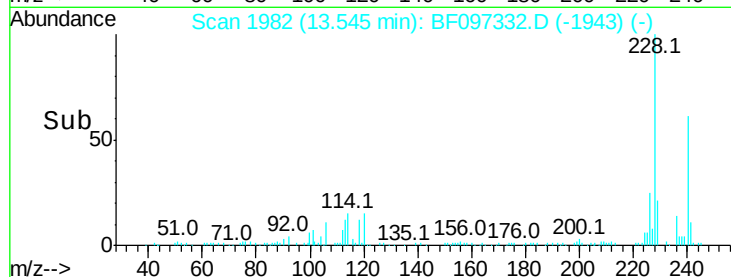
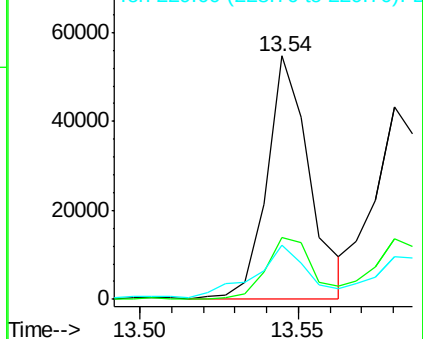
229 22.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.606 ng

RT: 13.58 min Scan# 1988

Delta R.T. -0.08 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

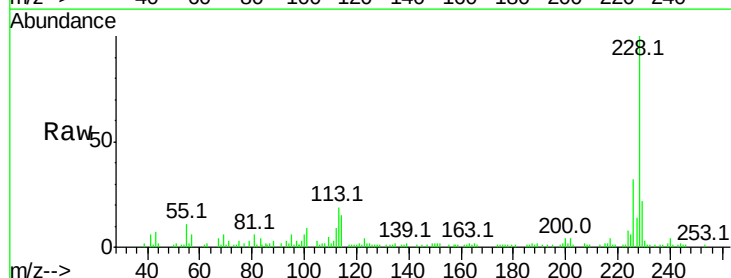
Tgt Ion:228 Resp: 47684

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

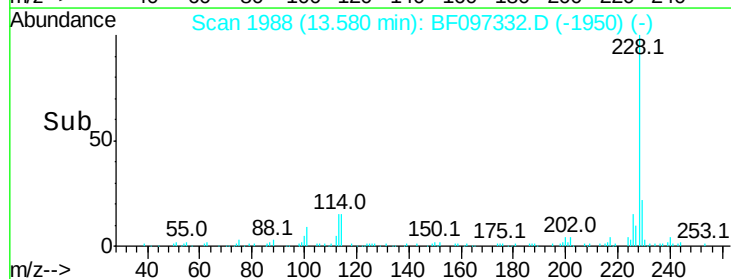
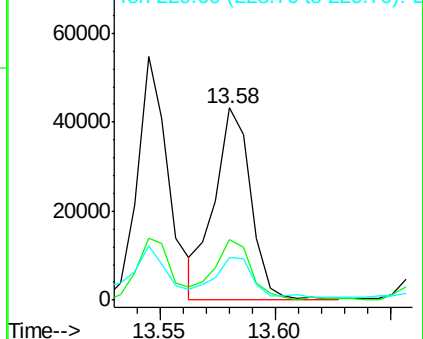
229 22.3 15.8 23.6

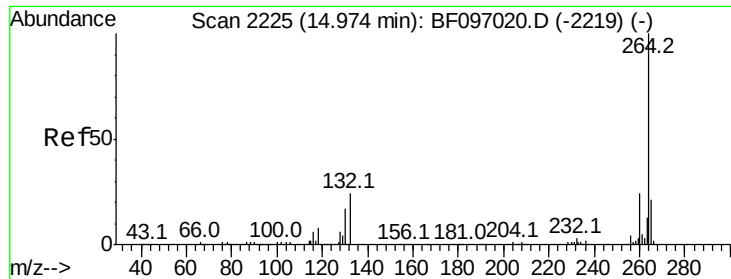


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

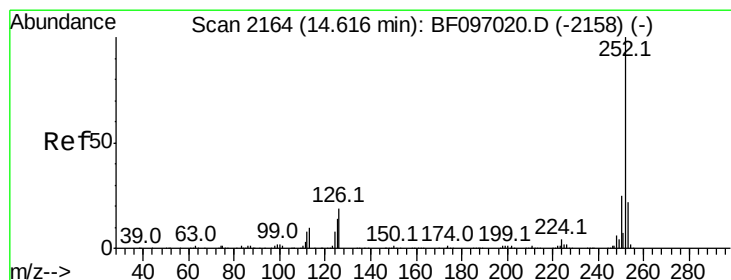
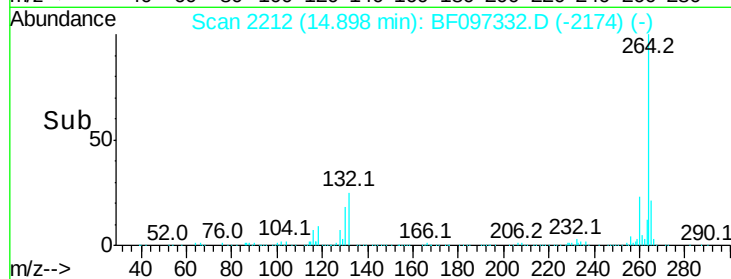
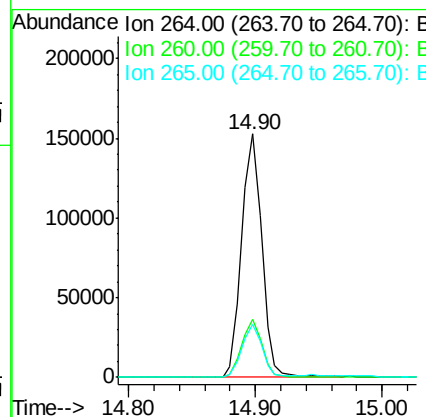
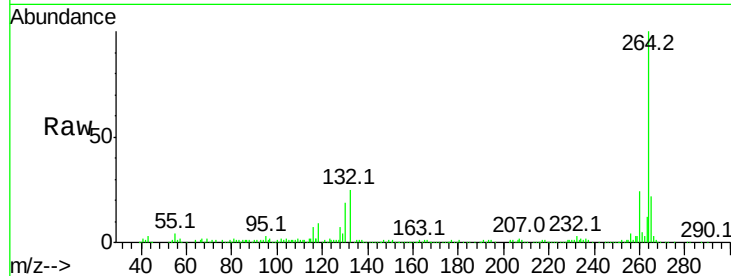




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2212
Delta R.T. -0.08 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

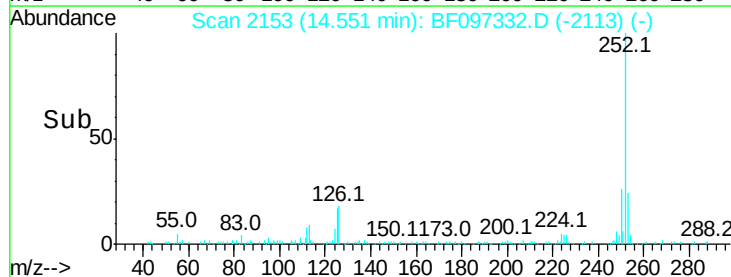
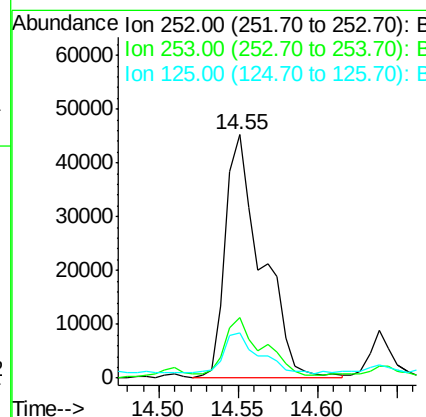
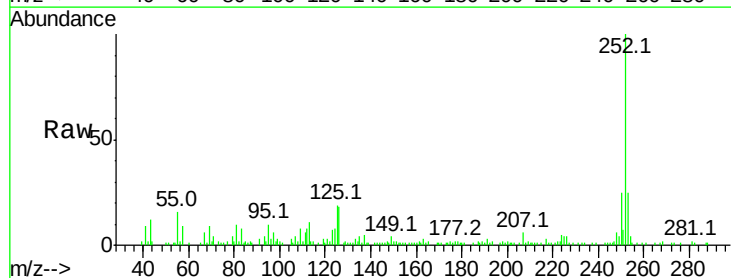
Instrument :
BNA_F
ClientSampleId :
VNJ-220

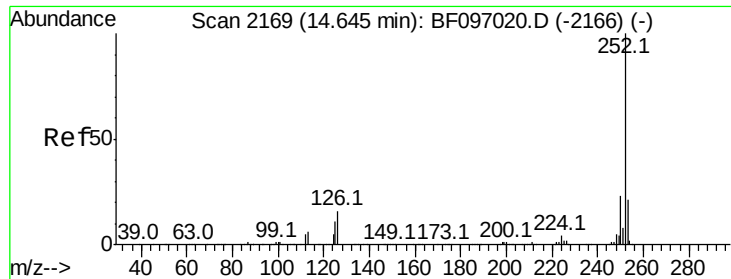
Tot Ion:264 Resp: 168361
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.131 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:252 Resp: 72169
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 18.6 9.8 14.8#

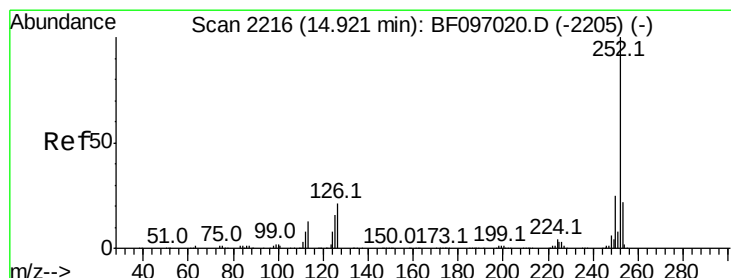
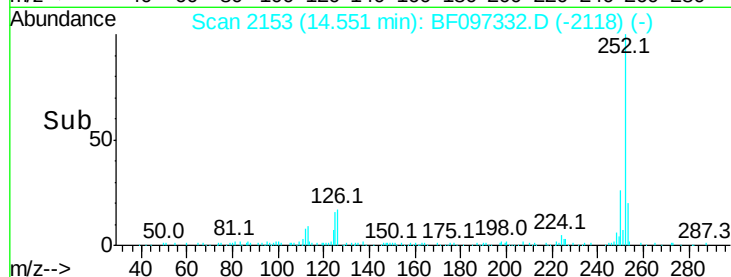
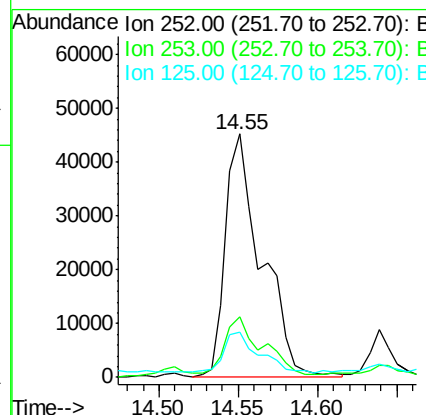
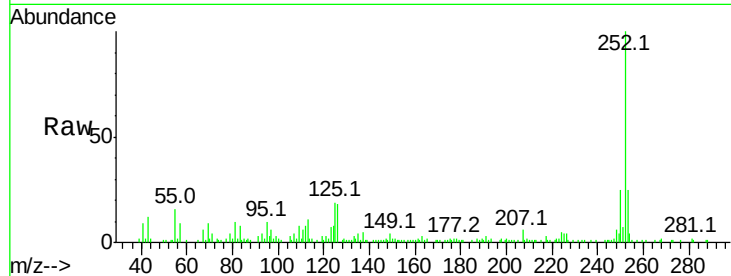




#88
Benzo(k)fluoranthene
Concen: 7.483 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.09 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

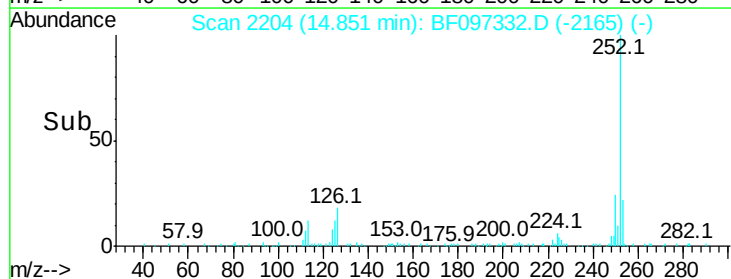
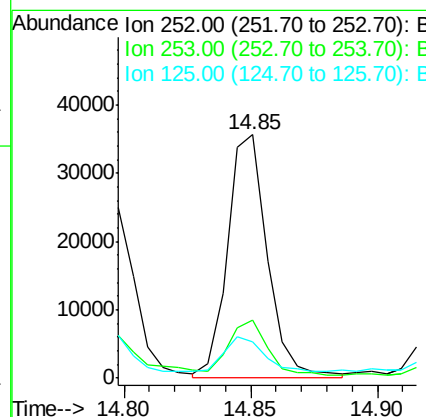
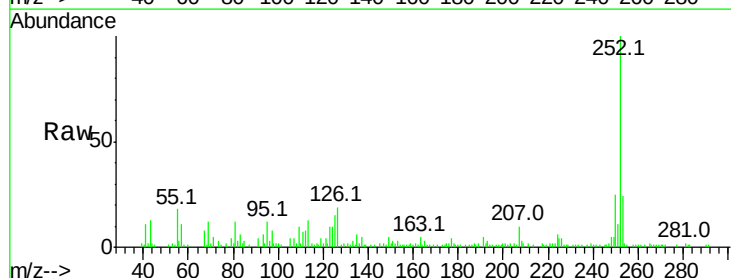
Instrument :
BNA_F
ClientSampleId :
VNJ-220

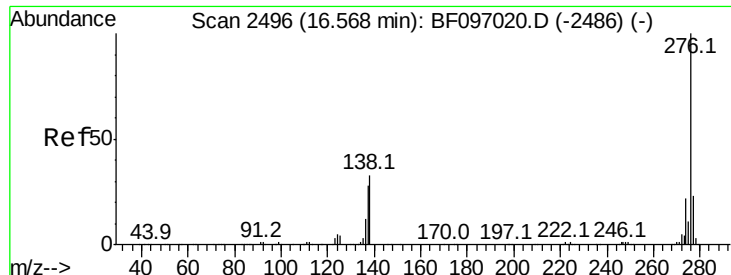
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	18.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.174 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.8	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.433 ng

RT: 16.46 min Scan# 2477

Delta R.T. -0.11 min

Lab File: BF097332.D

Acq: 3 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

VNJ-220

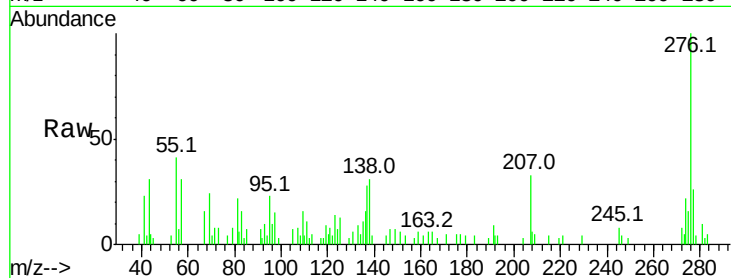
Tot Ion: 276 Resp: 19376

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 31.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

