

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097876.D
 Acq On : 19 Aug 2017 14:03
 Operator : SJ/JU
 Sample : I4852-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Quant Time: Aug 21 02:37:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	165017	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	705624	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	327116	20.00	ng	-0.03
63) Phenanthrene-d10	11.27	188	590487	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	342641	20.00	ng	-0.04
86) Perylene-d12	15.33	264	311114	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	958619	88.36	ng	-0.02
7) Phenol-d6	6.40	99	1392479	94.47	ng	-0.01
23) Nitrobenzene-d5	7.33	82	898424	69.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	281567	99.20	ng	-0.03
44) 2-Fluorobiphenyl	9.12	172	1319073	59.24	ng	-0.02
78) Terphenyl-d14	12.86	244	945193	57.53	ng	-0.03

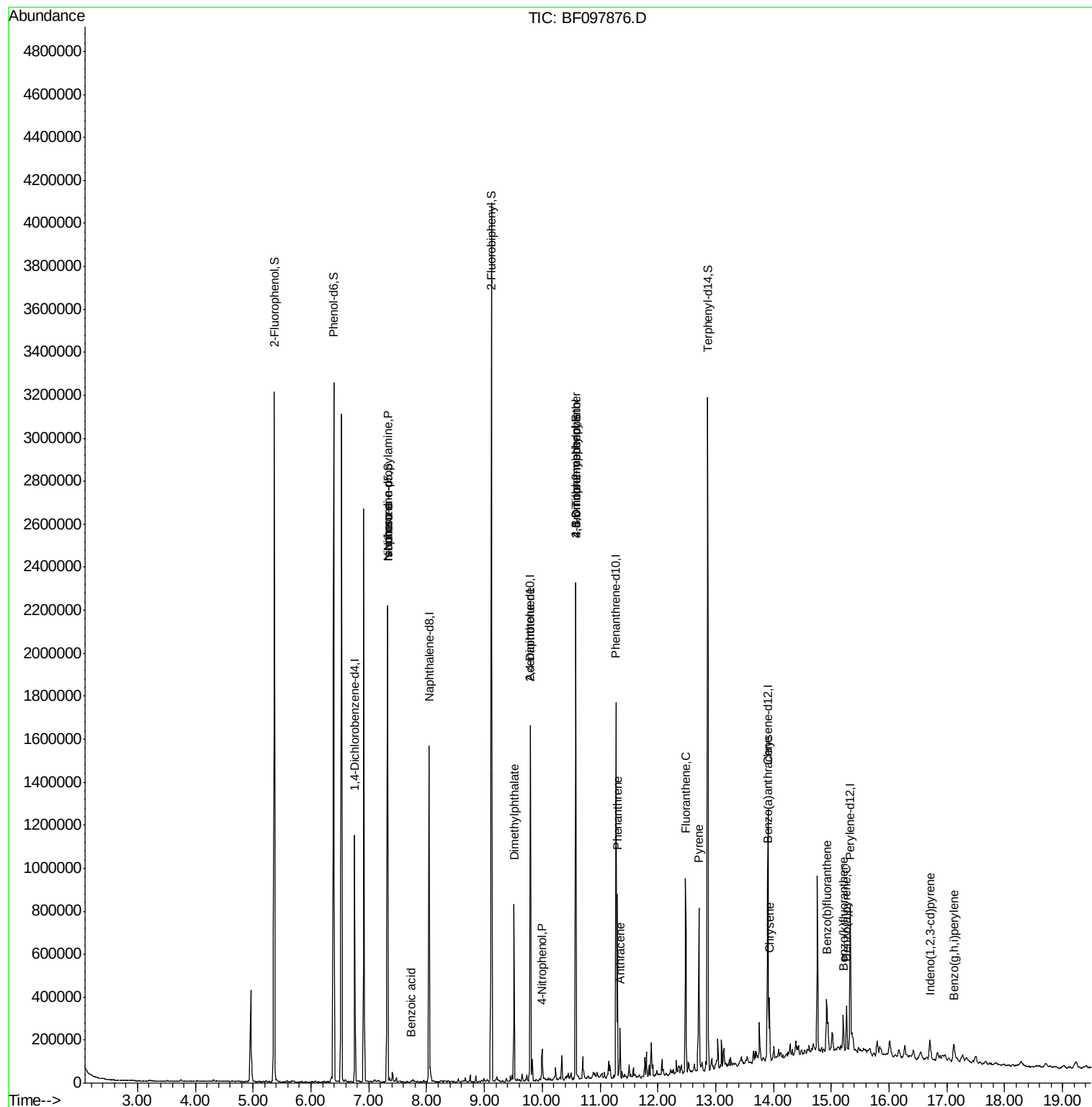
Target Compounds						Qvalue	
19) n-Nitroso-di-n-propylamine	7.33	70	120828	11.97	ng	#	71
25) Isophorone	7.33	82	891287	33.00	ng	#	67
32) Benzoic acid	7.73	122	229	6.43	ng	#	56
49) Dimethylphthalate	9.52	163	302329	12.64	ng		98
55) 4-Nitrophenol	10.00	139	11244	2.29	ng	#	29
56) 2,4-Dinitrotoluene	9.79	165	43184	7.21	ng	#	33
64) 4,6-Dinitro-2-methylphenol	10.58	198	700	8.53	ng	#	1
66) 4-Bromophenyl-phenylether	10.58	248	18469	3.01	ng	#	1
70) Phenanthrene	11.30	178	258981	8.23	ng		98
71) Anthracene	11.35	178	71742	2.25	ng		99
74) Fluoranthene	12.48	202	327830	9.98	ng		98
77) Pyrene	12.71	202	282254	10.07	ng		97
80) Benzo(a)anthracene	13.89	228	119697	5.83	ng		98
82) Chrysene	13.93	228	104475	5.11	ng		97
85) Indeno(1,2,3-cd)pyrene	16.70	276	57063	3.80	ng	#	91
87) Benzo(b)fluoranthene	14.92	252	179412	9.15	ng		99
88) Benzo(k)fluoranthene	15.21	252	62521	3.39	ng		97
89) Benzo(a)pyrene	15.26	252	97236	5.60	ng		99
91) Benzo(a,h,i)perylene	17.12	276	53422	3.62	ng		96

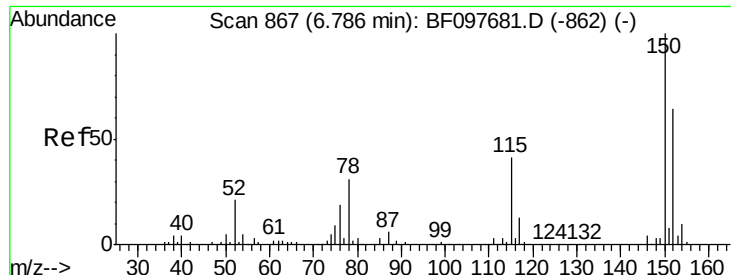
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

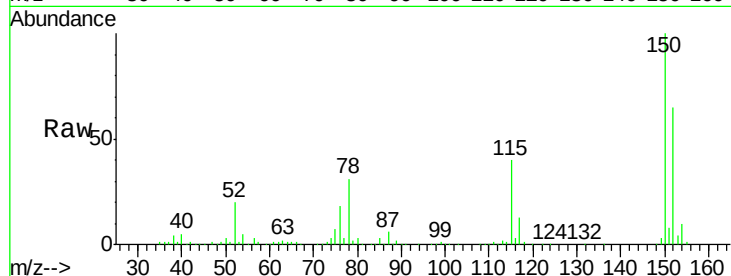
Tot Ion:152 Resp: 165017

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

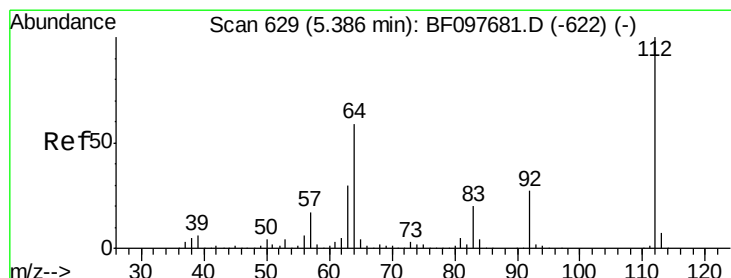
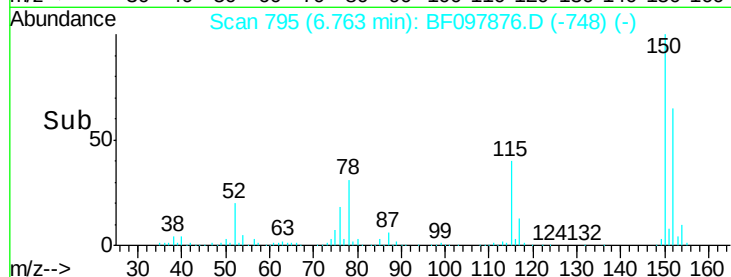
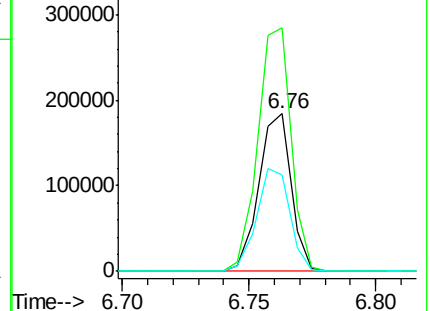
115 61.6 52.2 78.2



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: 88.36 ng

RT: 5.37 min Scan# 558

Delta R.T. -0.02 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

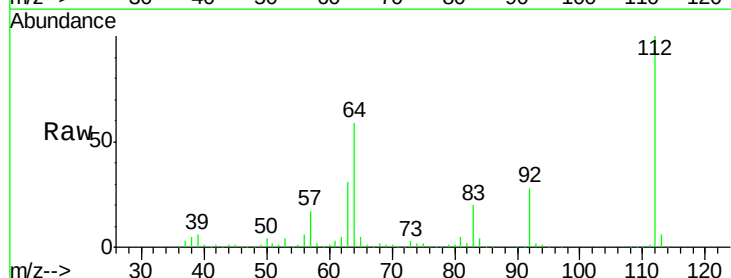
Tgt Ion:112 Resp: 958619

Ion Ratio Lower Upper

112 100

64 59.1 46.0 69.0

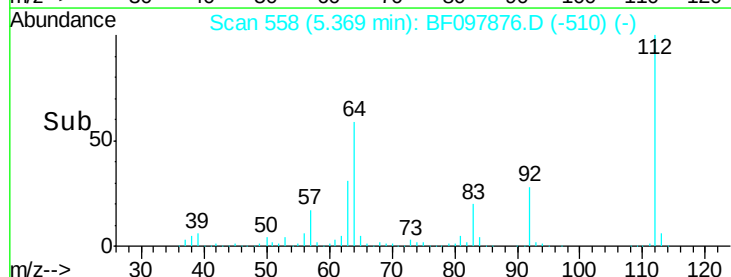
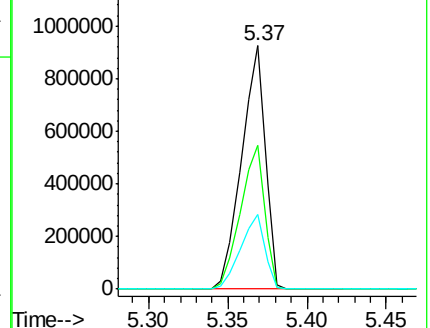
63 30.7 23.4 35.0

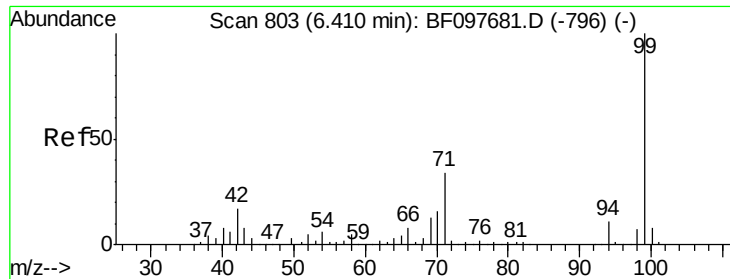


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.47 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

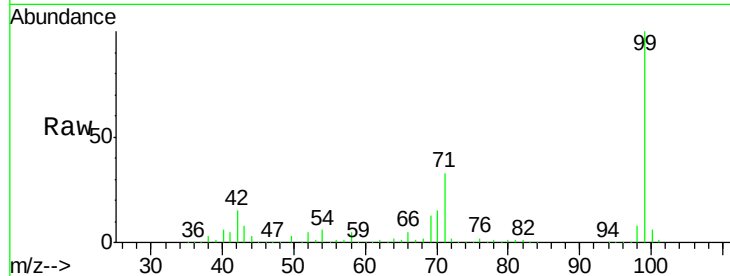
Tot Ion: 99 Resp: 1392479

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

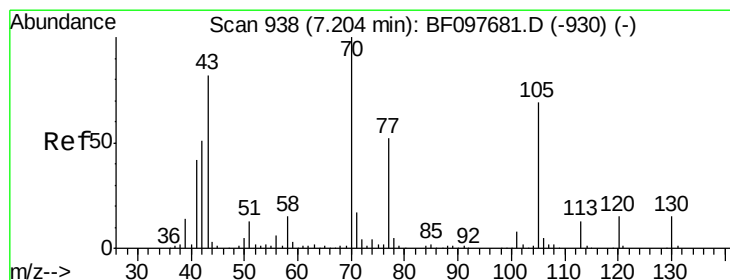
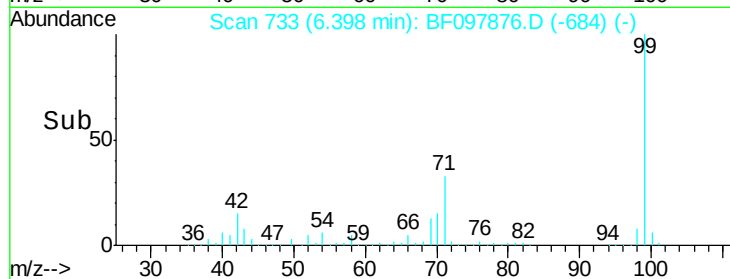
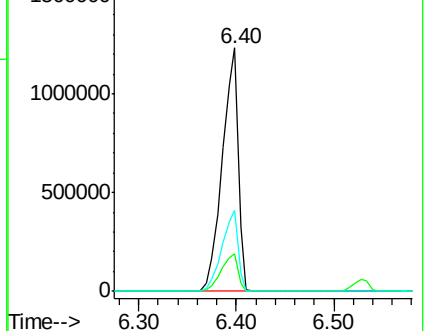
71 33.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.97 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.12 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion: 70 Resp: 120828

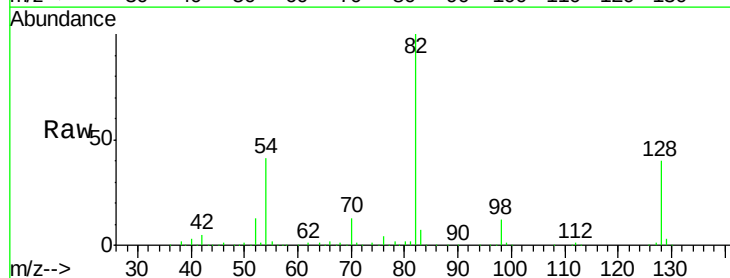
Ion Ratio Lower Upper

70 100

42 39.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

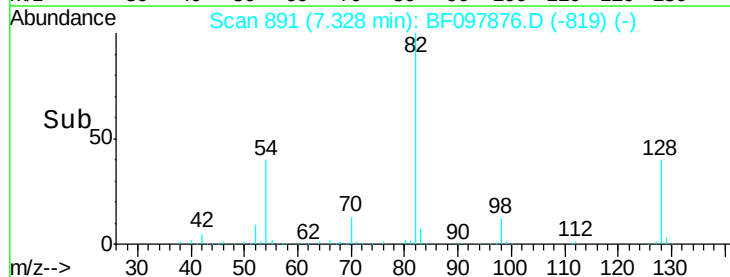
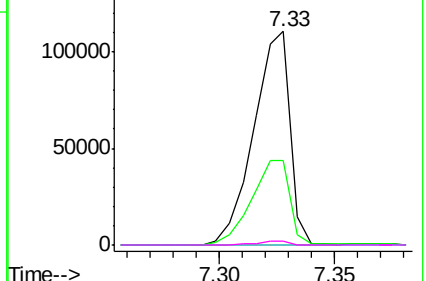


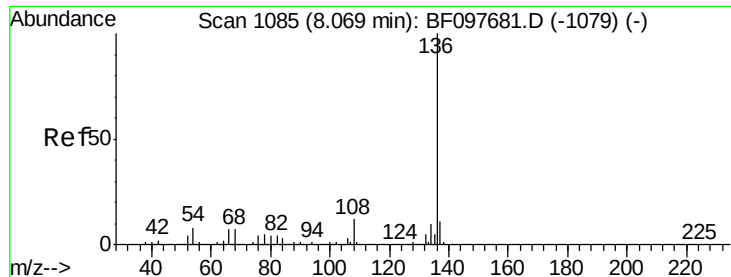
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

Tot Ion:136 Resp: 705624

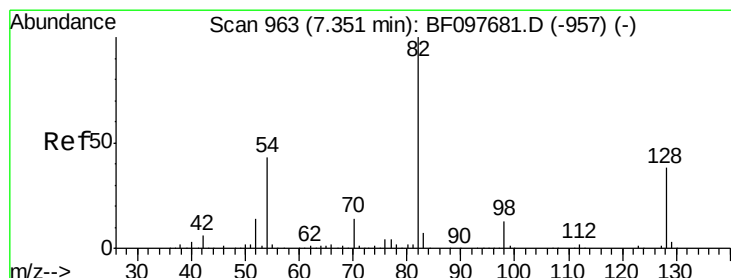
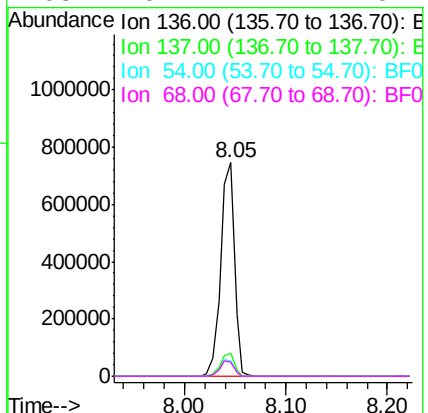
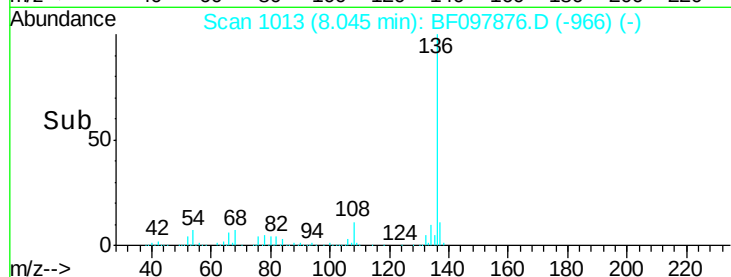
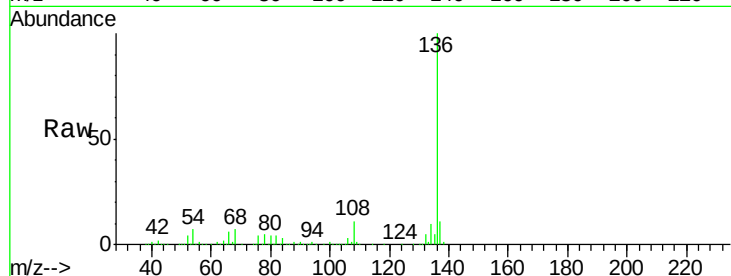
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.0 4.9 7.3

68 6.7 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 69.17 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

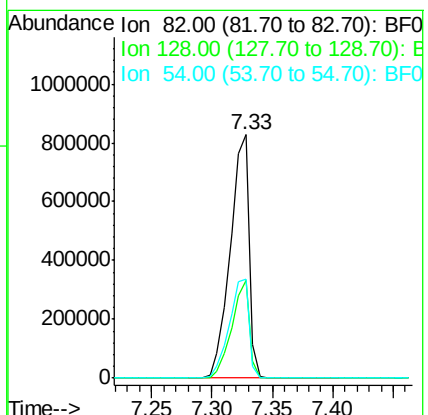
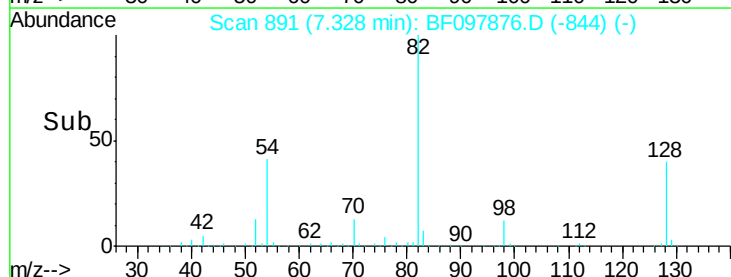
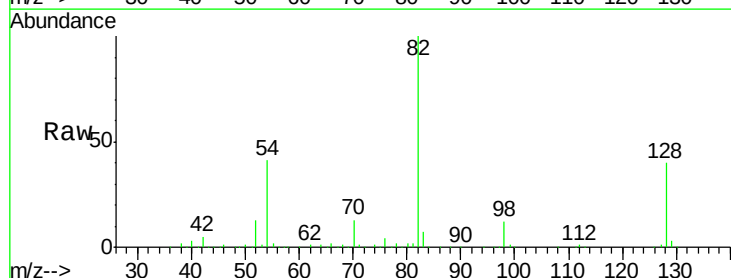
Tgt Ion: 82 Resp: 898424

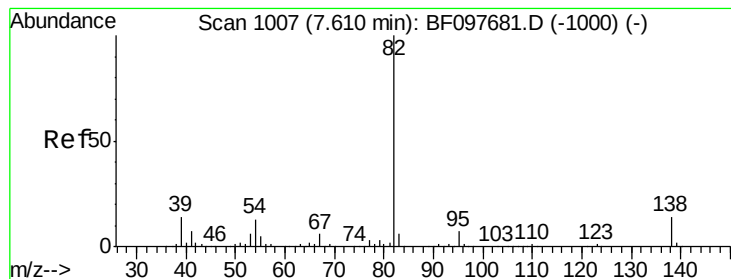
Ion Ratio Lower Upper

82 100

128 40.0 34.0 51.0

54 40.9 42.2 63.2#





#25

Isophorone

Concen: 33.00 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.28 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

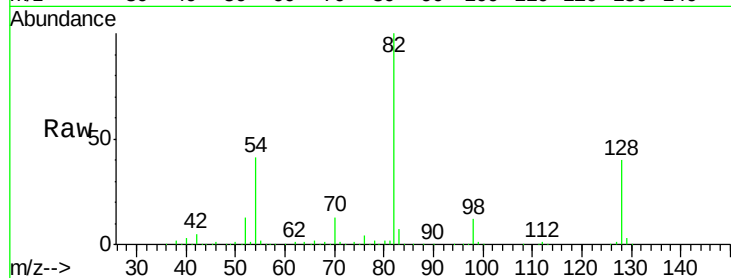
Tot Ion: 82 Resp: 891287

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

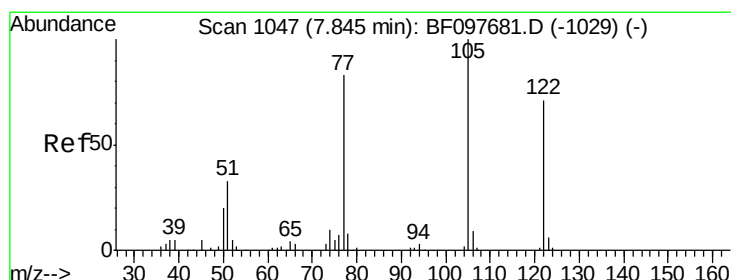
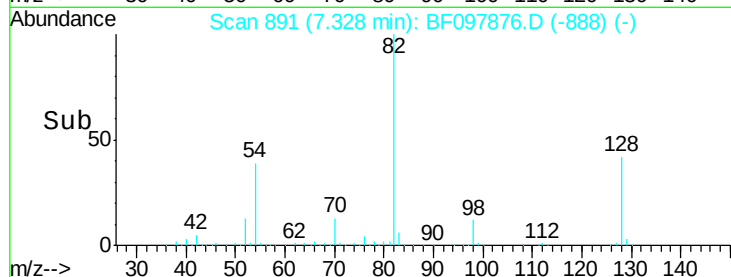
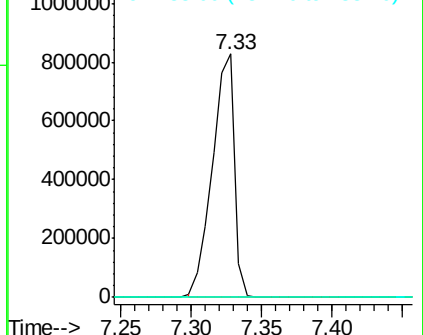
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.43 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.11 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

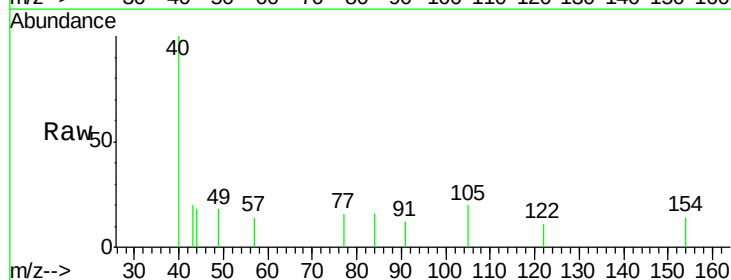
Tgt Ion: 122 Resp: 229

Ion Ratio Lower Upper

122 100

105 172.3 103.3 143.3#

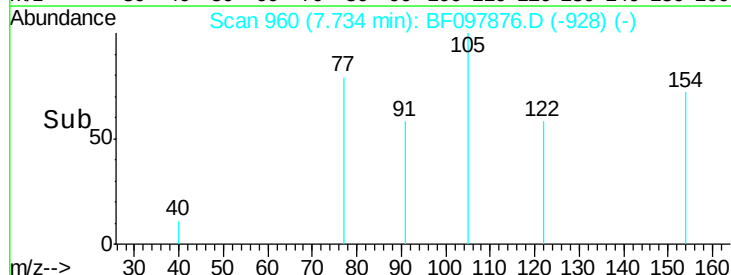
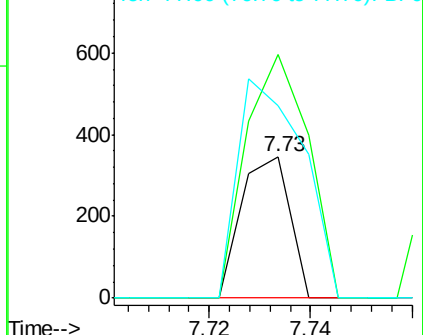
77 136.4 73.7 113.7#

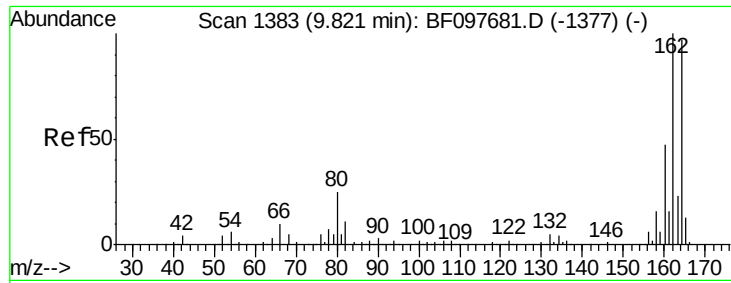


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

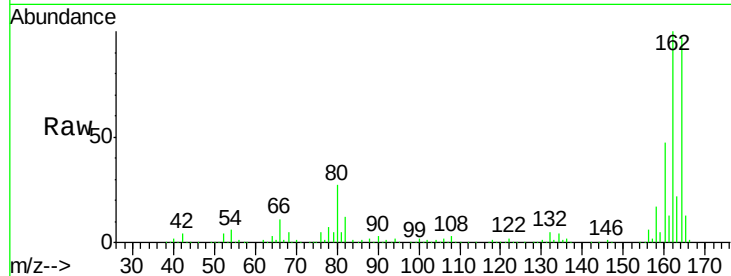




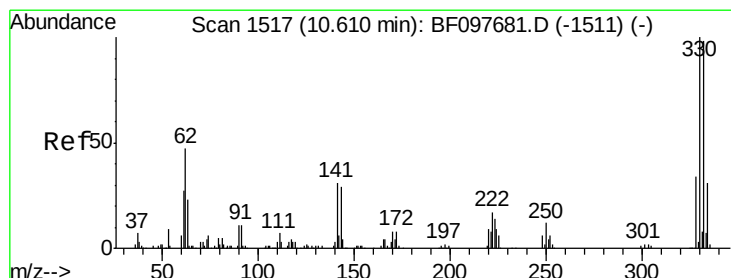
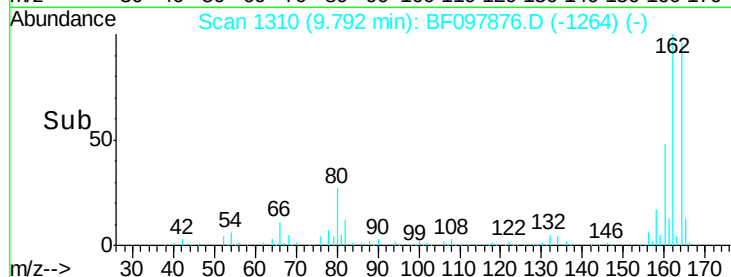
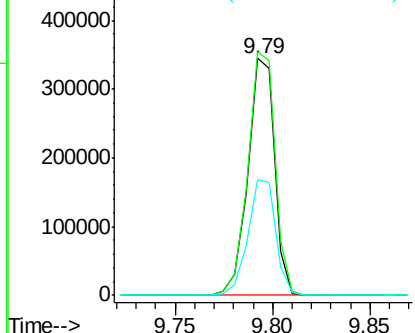
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Tot Ion:164 Resp: 327116
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.6 123.8
 160 48.7 36.2 54.2

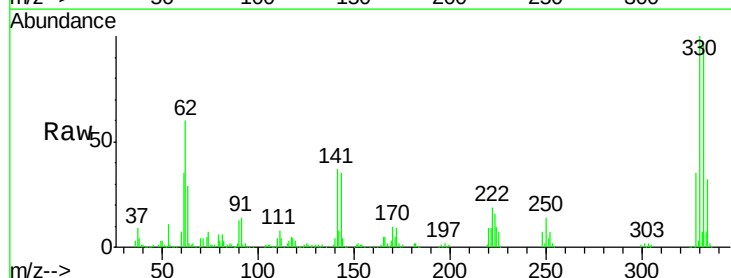


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

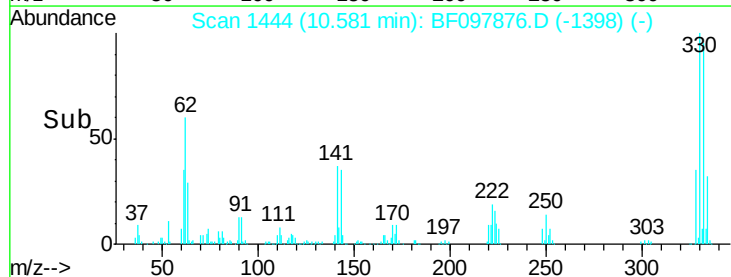
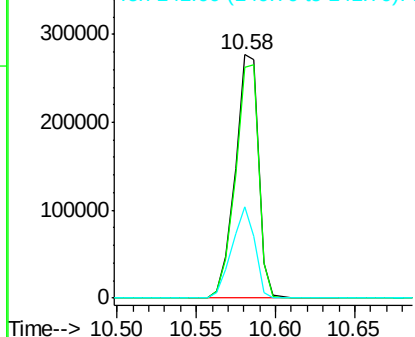


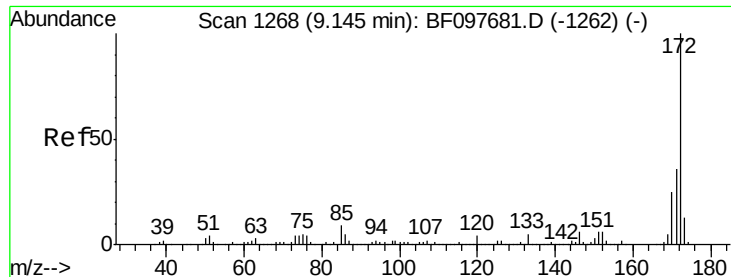
#41
 2,4,6-Tribromophenol
 Concen: 99.20 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion:330 Resp: 281567
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 37.3 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



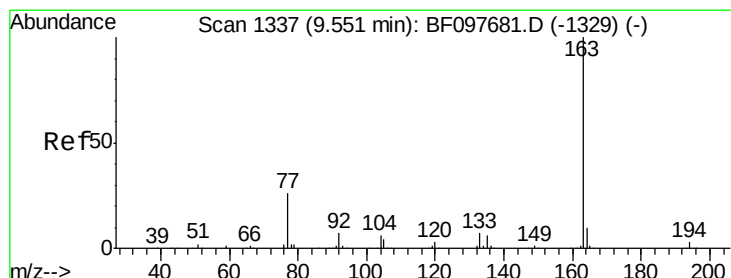
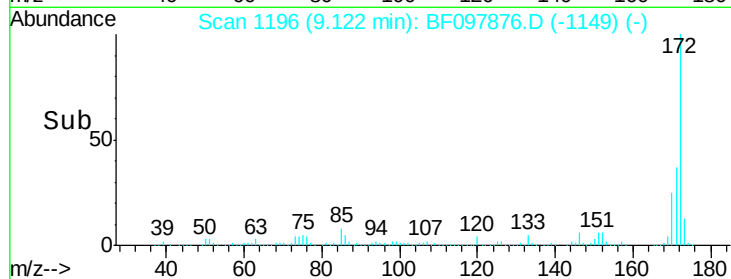
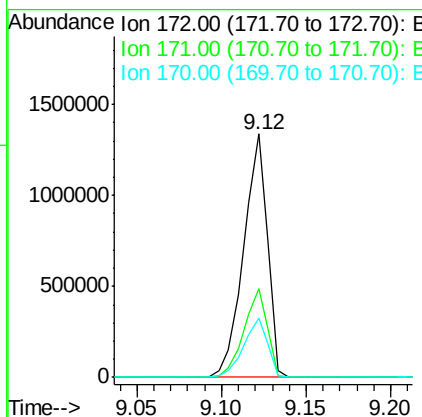
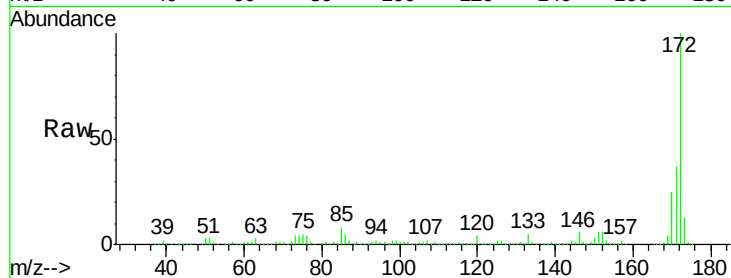


#44
 2-Fluorobiphenyl
 Concen: 59.24 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Tot Ion:172 Resp: 1319073

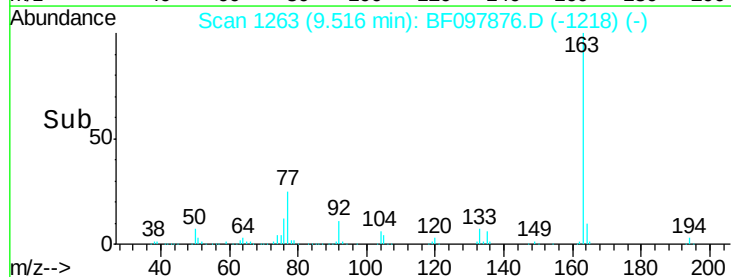
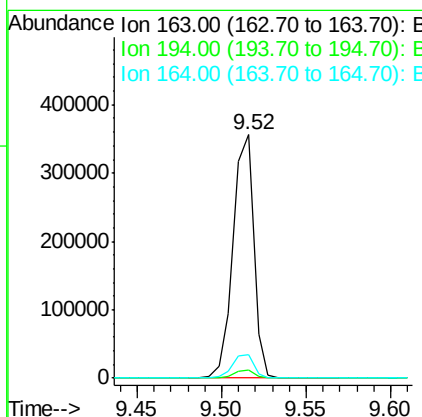
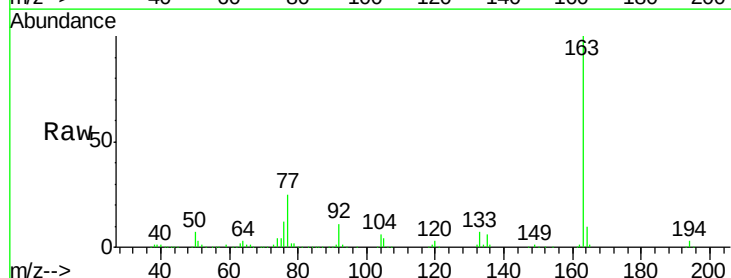
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.6	19.8	29.8

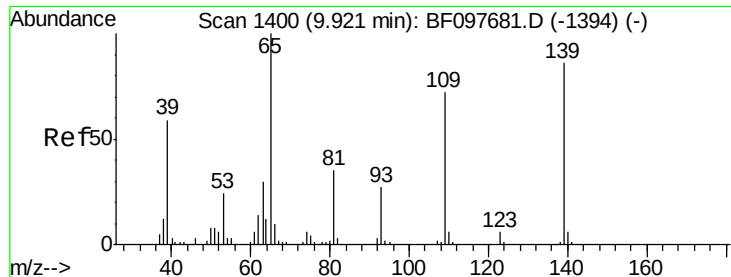


#49
 Dimethylphthalate
 Concen: 12.64 ng
 RT: 9.52 min Scan# 1263
 Delta R.T. -0.04 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion:163 Resp: 302329

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.4	12.6





#55

4-Nitrophenol

Concen: 2.29 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.08 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

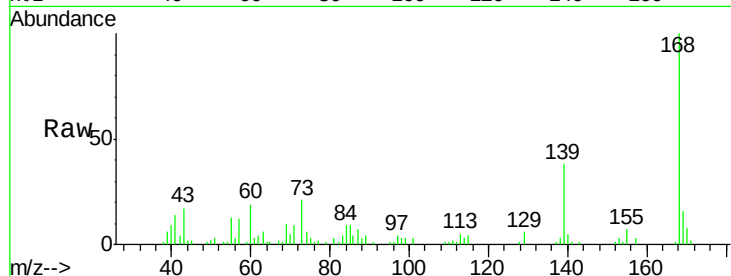
Tot Ion:139 Resp: 11244

Ion Ratio Lower Upper

139 100

109 2.7 34.1 74.1#

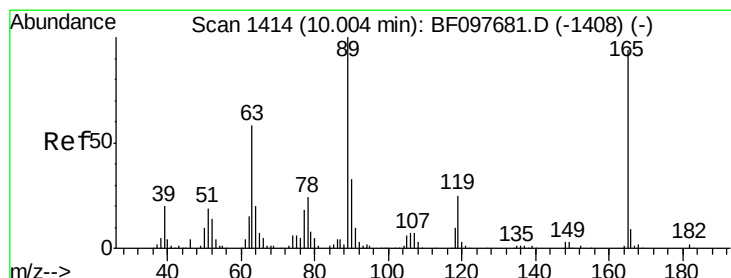
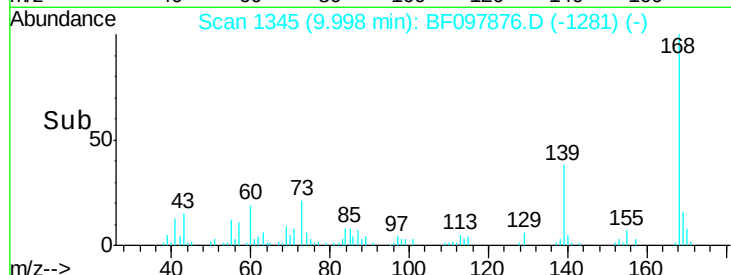
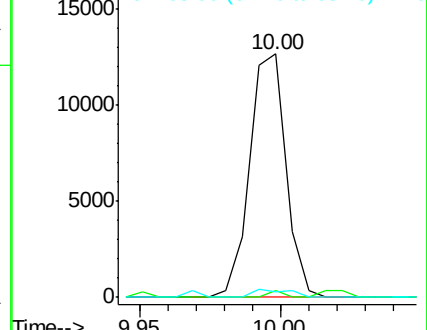
65 2.5 31.4 71.4#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 7.21 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.21 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion:165 Resp: 43184

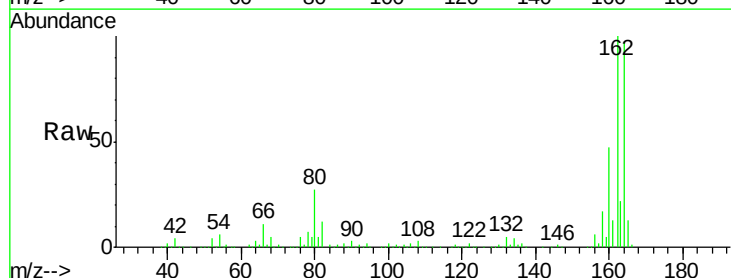
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

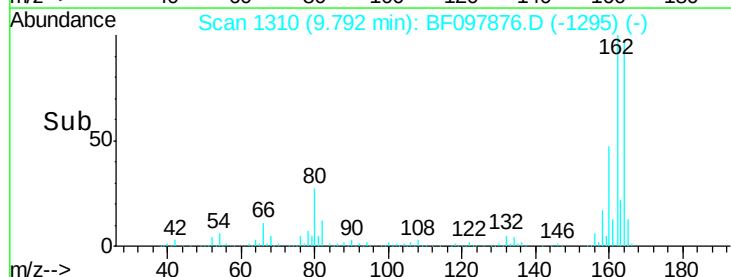
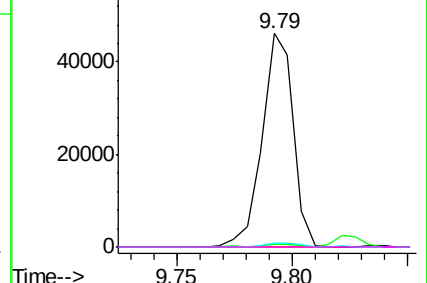


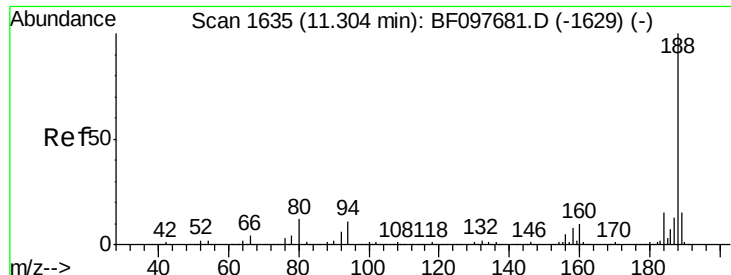
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

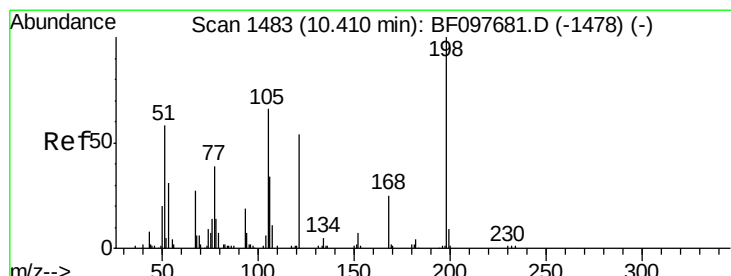
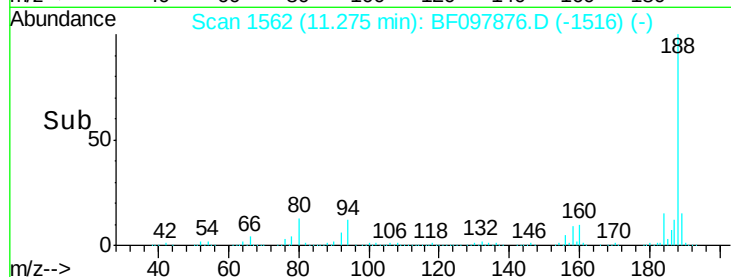
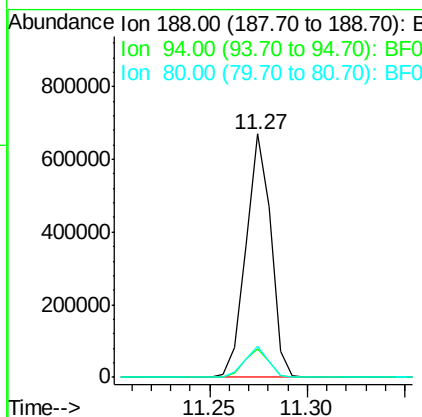
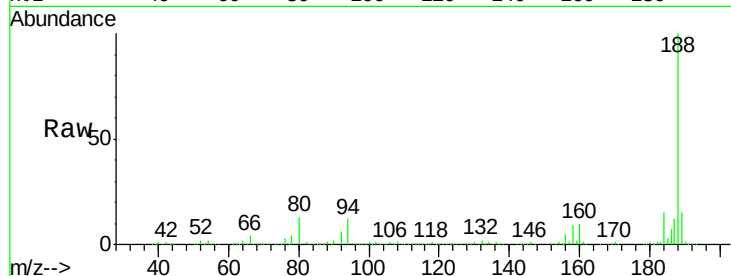




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

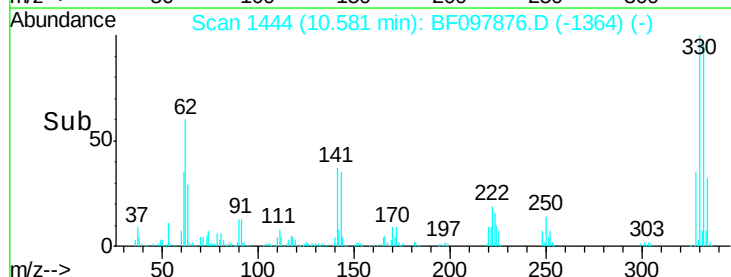
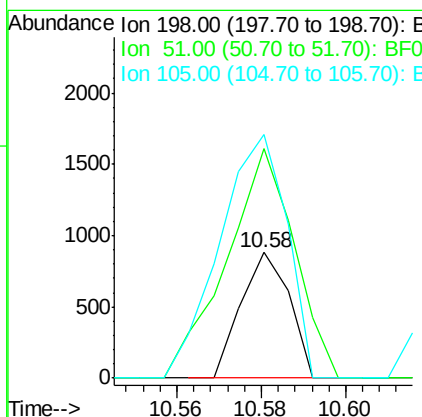
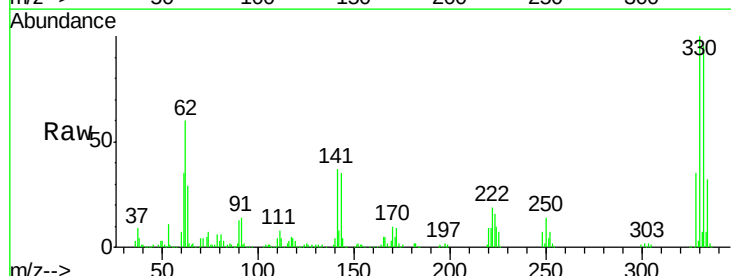
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

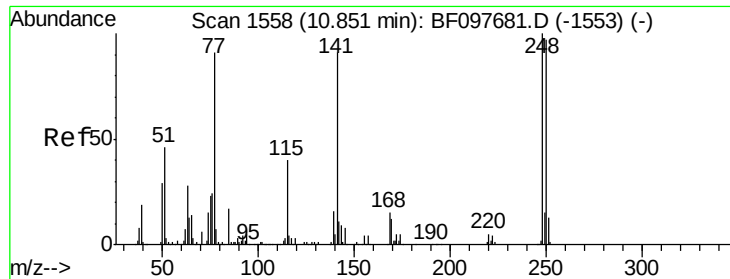
Tot Ion:188 Resp: 590487
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 12.7 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.53 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.17 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion:198 Resp: 700
 Ion Ratio Lower Upper
 198 100
 51 182.9 53.2 93.2#
 105 193.7 45.8 85.8#

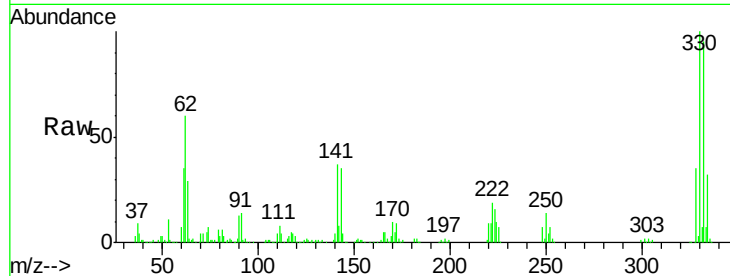




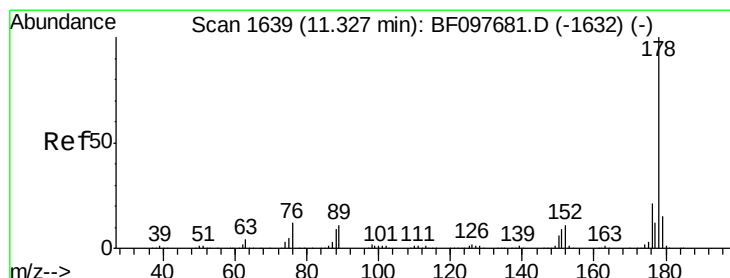
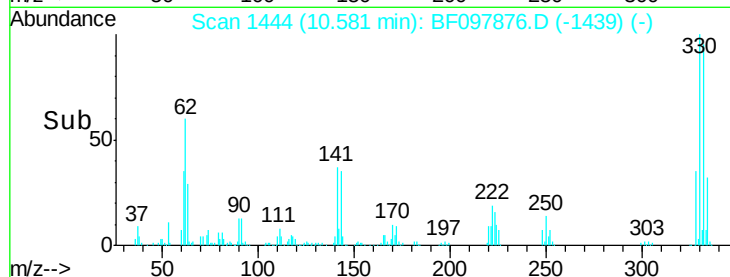
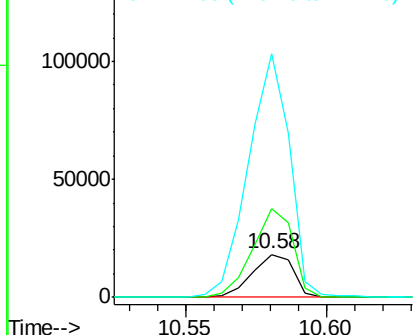
#66
 4-Bromophenyl-phenylether
 Concen: 3.01 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.27 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Tot Ion:248 Resp: 18469
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.8 115.2#
 141 564.6 68.6 103.0#

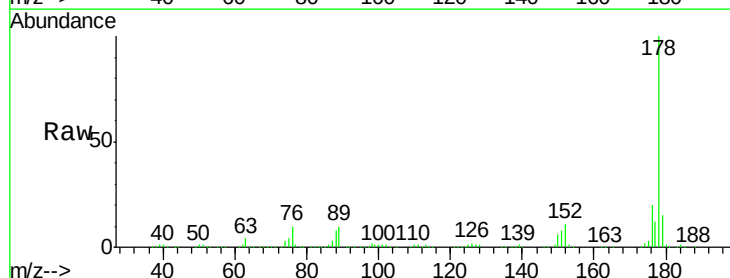


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

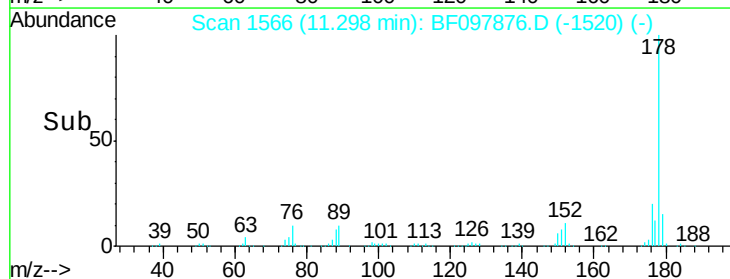
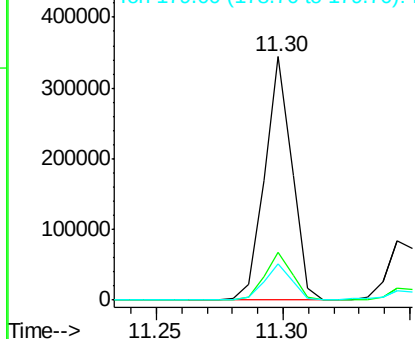


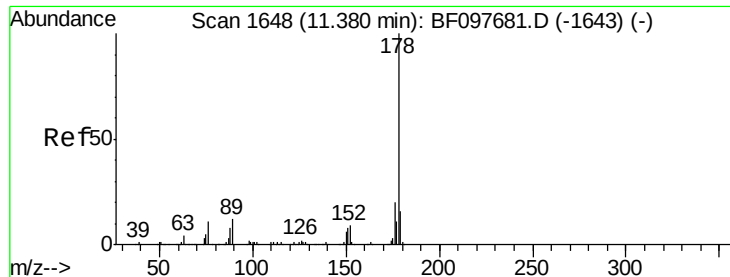
#70
 Phenanthrene
 Concen: 8.23 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion:178 Resp: 258981
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 14.9 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

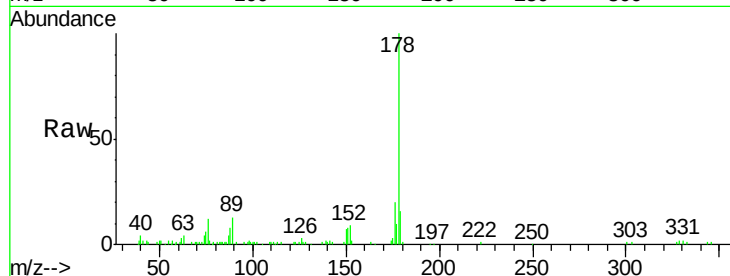




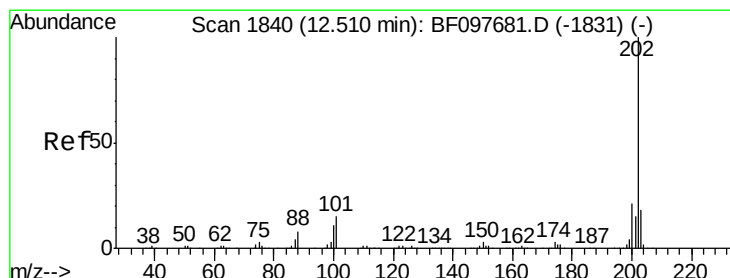
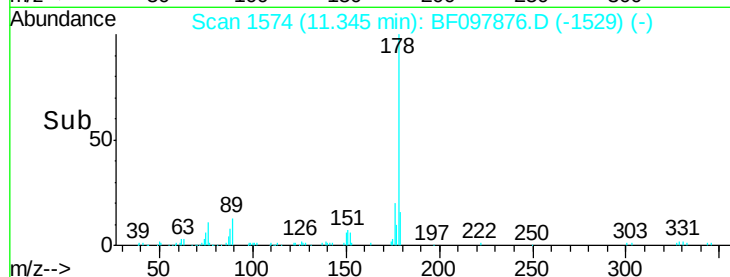
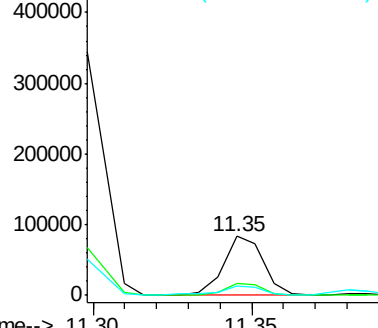
#71
 Anthracene
 Concen: 2.25 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.04 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Tot Ion:178 Resp: 71742
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 16.3 12.7 19.1

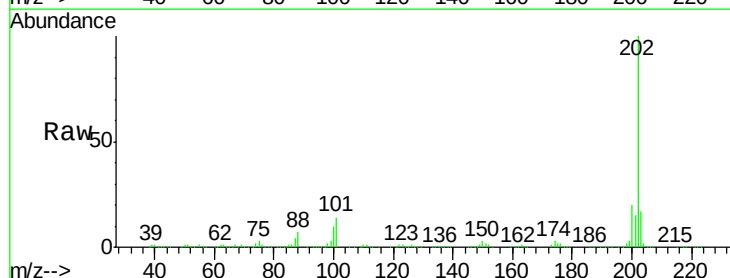


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

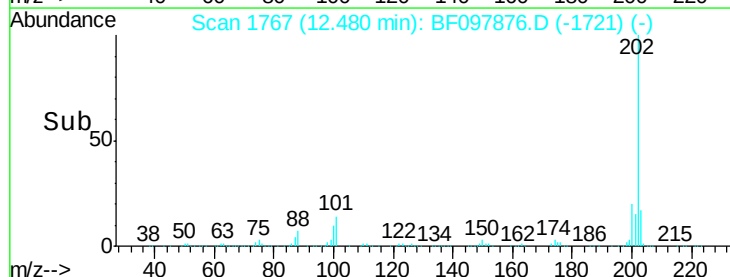
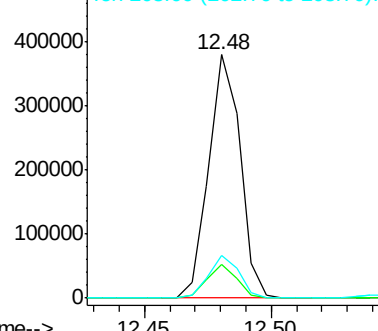


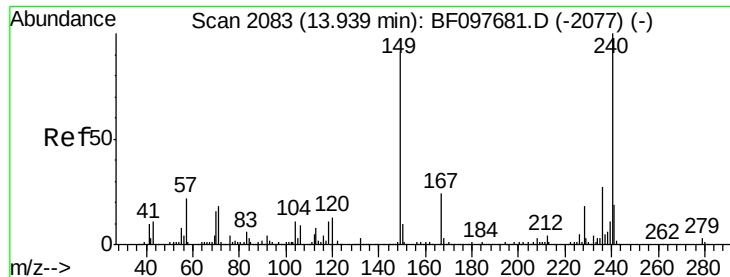
#74
 Fluoranthene
 Concen: 9.98 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion:202 Resp: 327830
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

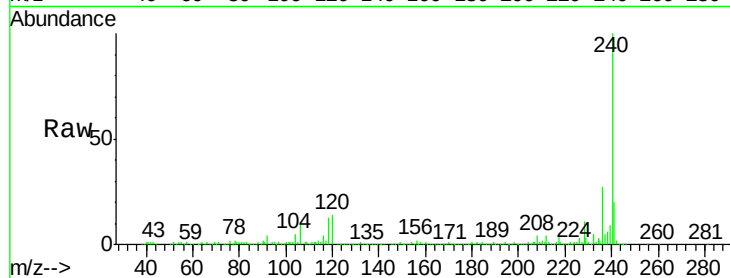
Tot Ion:240 Resp: 342641

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

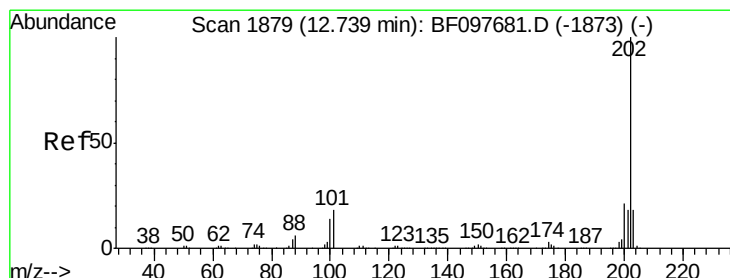
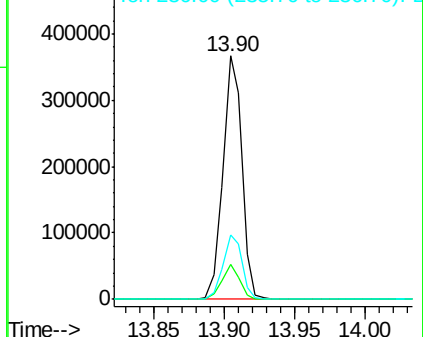
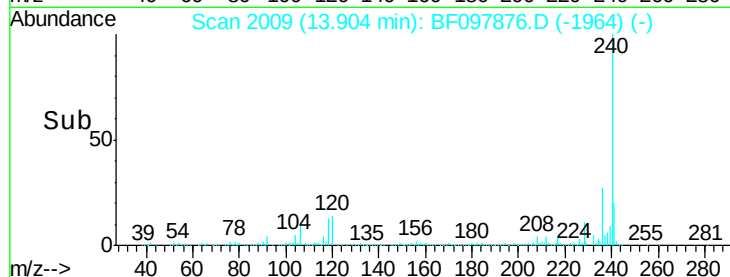
236 26.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.07 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

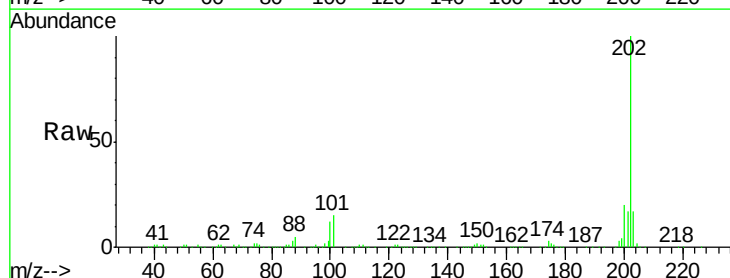
Tgt Ion:202 Resp: 282254

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

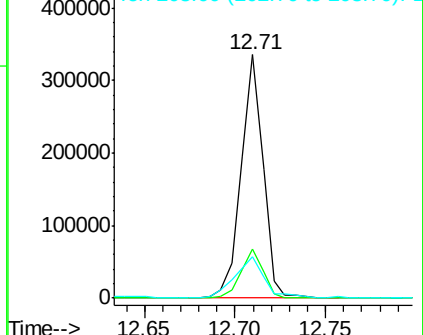
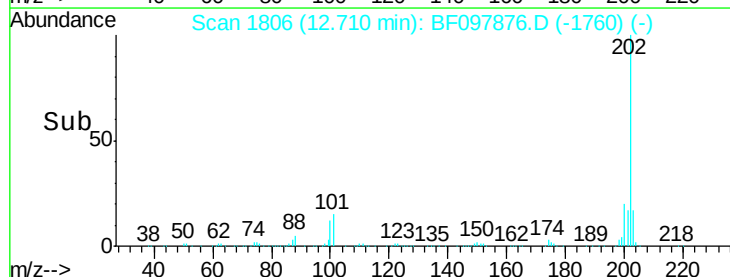
203 17.1 14.4 21.6

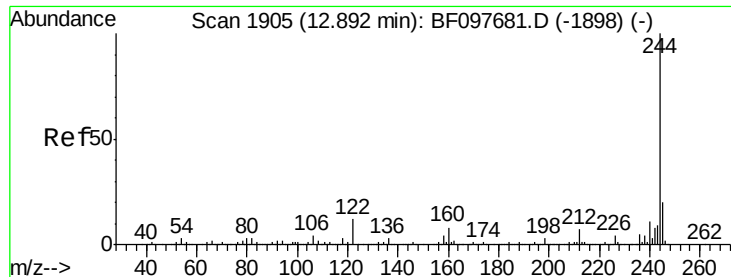


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.53 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.03 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

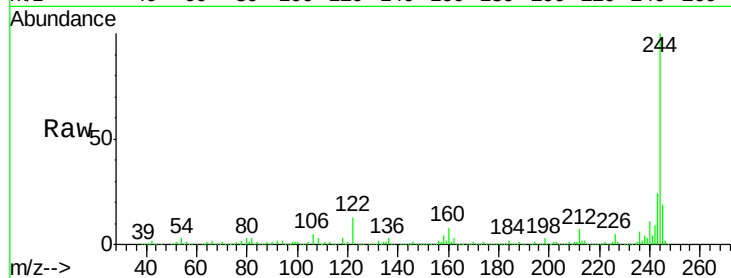
Tot Ion:244 Resp: 945193

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

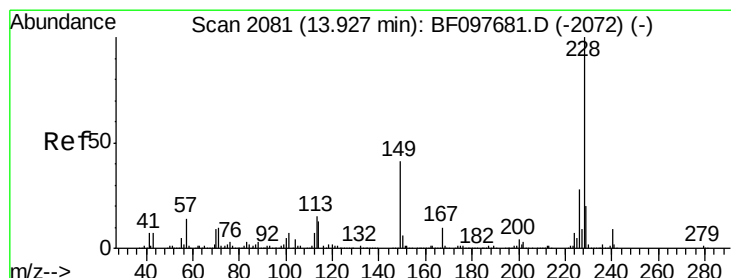
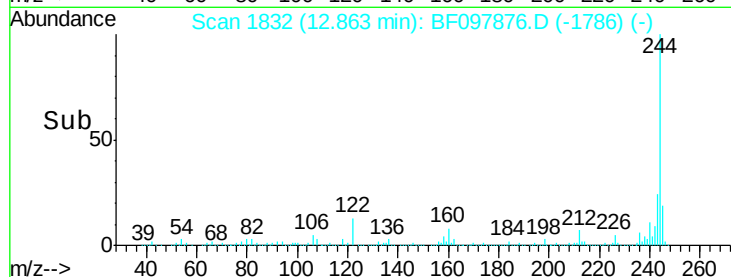
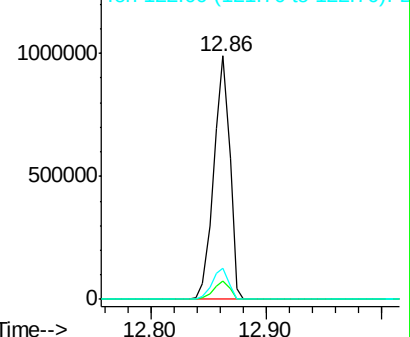
122 13.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.83 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

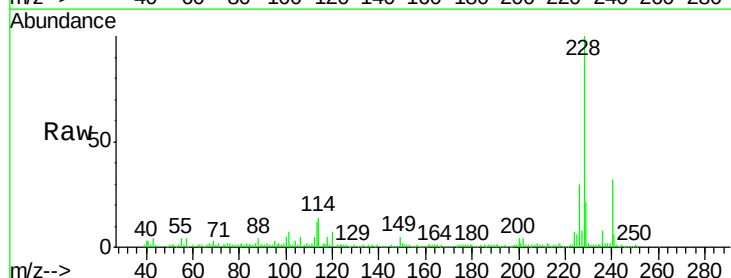
Tgt Ion:228 Resp: 119697

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

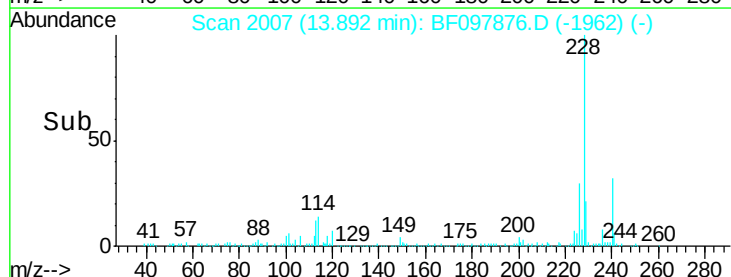
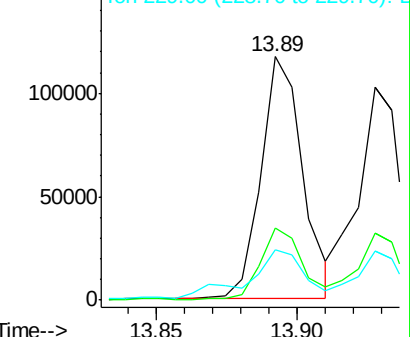
229 20.9 16.3 24.5

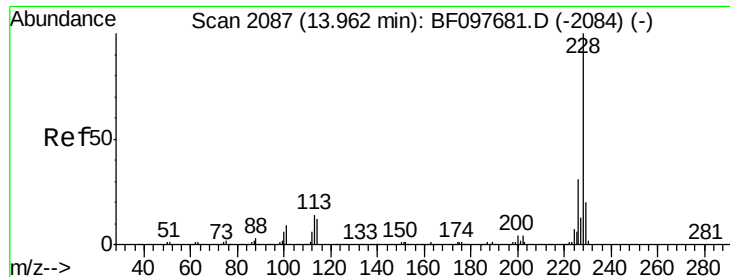


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.11 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

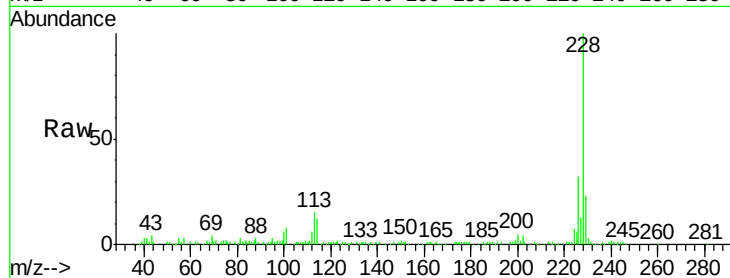
Tot Ion:228 Resp: 104475

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

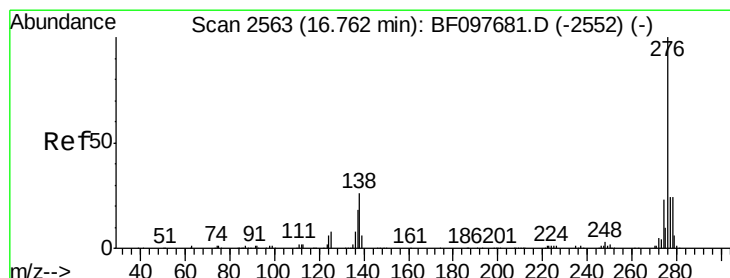
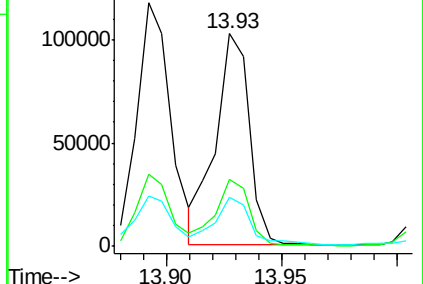
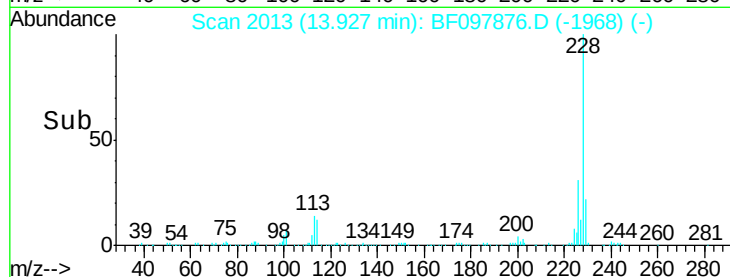
229 23.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.80 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.06 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

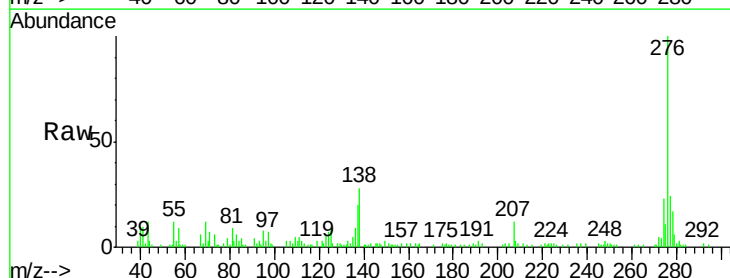
Tgt Ion:276 Resp: 57063

Ion Ratio Lower Upper

276 100

138 26.5 27.8 41.6#

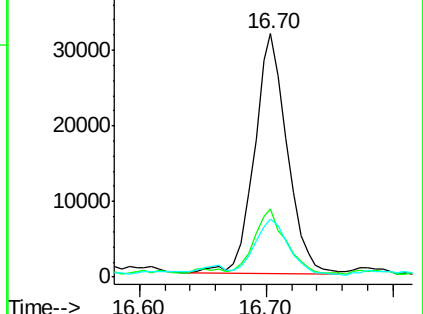
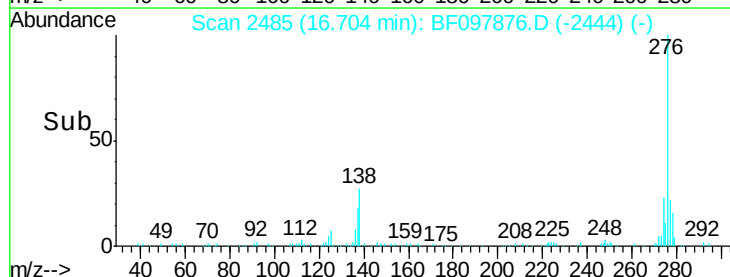
277 24.2 20.2 30.4

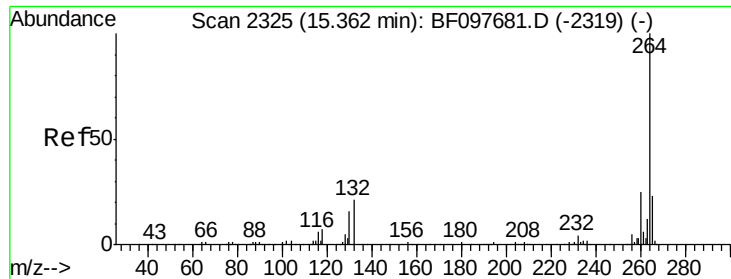


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



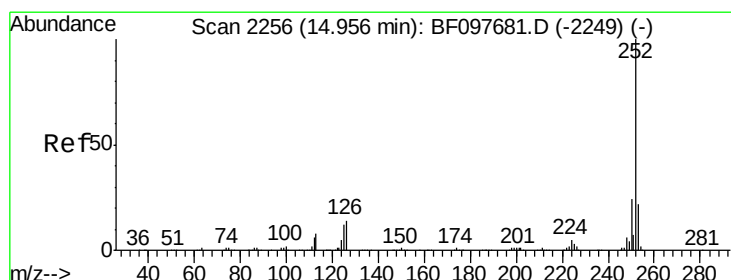
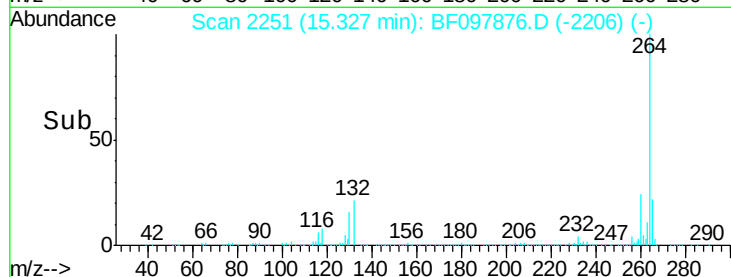
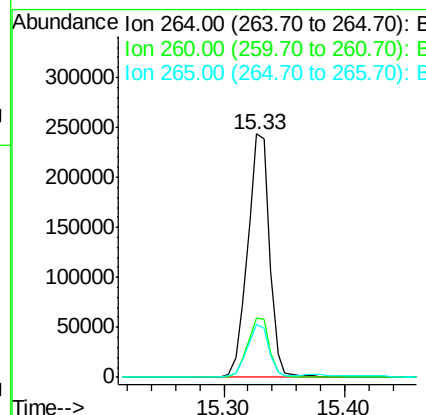
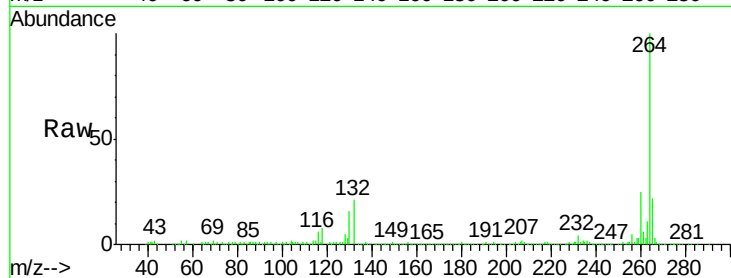


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion:264 Resp: 311114

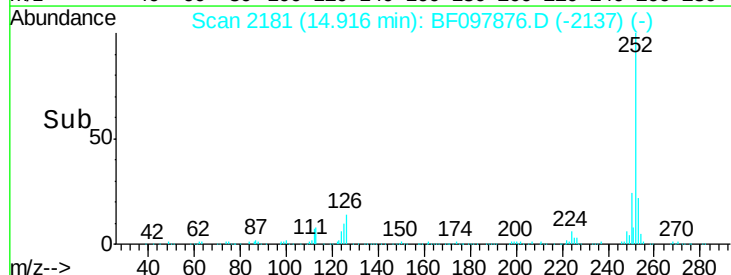
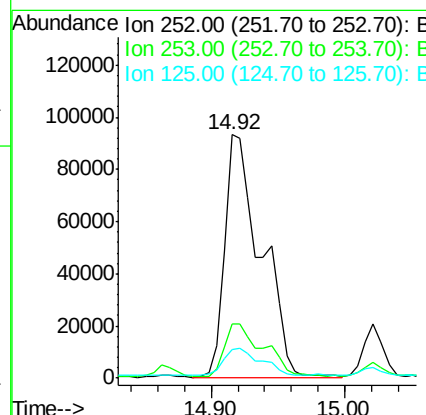
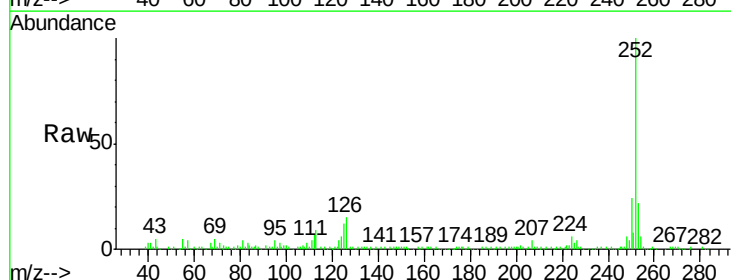
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.9	17.2	25.8

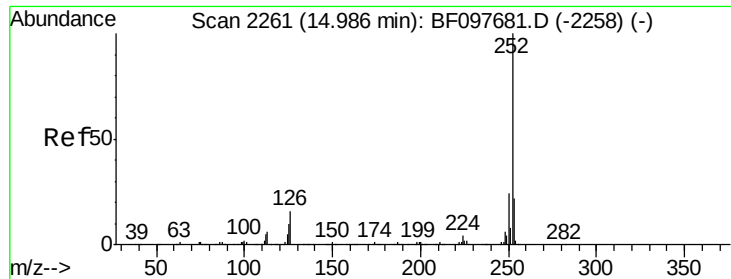


#87
Benzo(b)fluoranthene
Concen: 9.15 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion:252 Resp: 179412

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.6	9.8	14.8

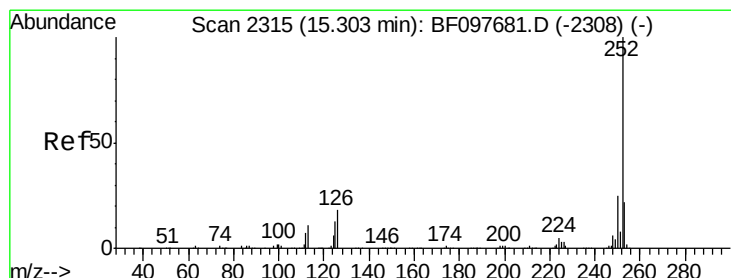
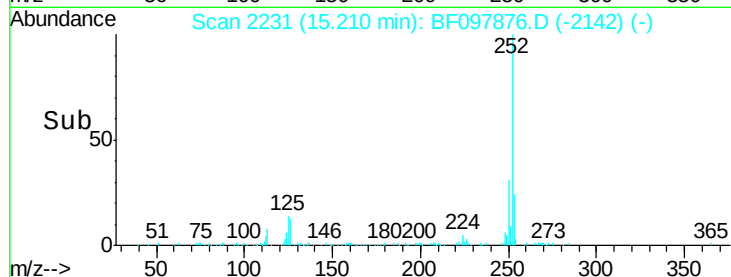
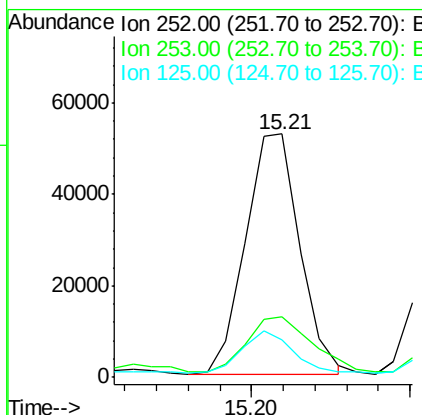
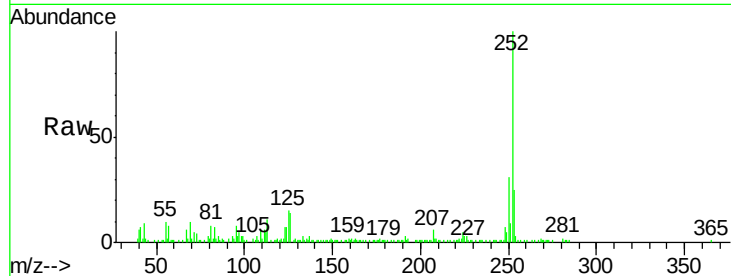




#88
Benzo(k)fluoranthene
Concen: 3.39 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.22 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

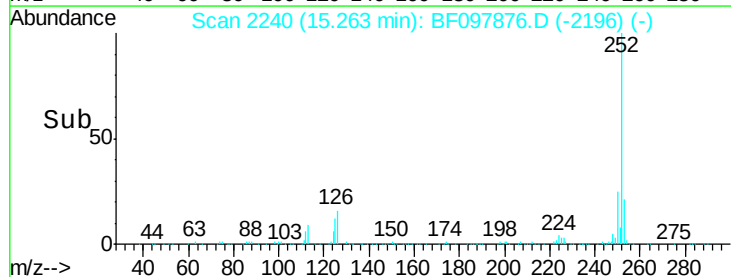
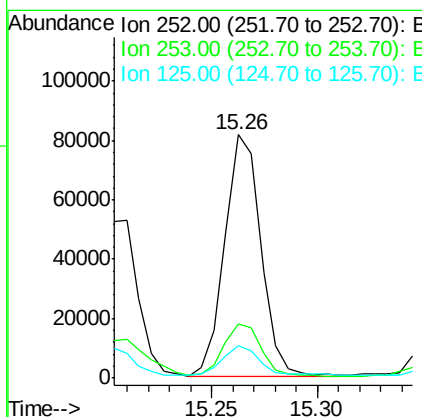
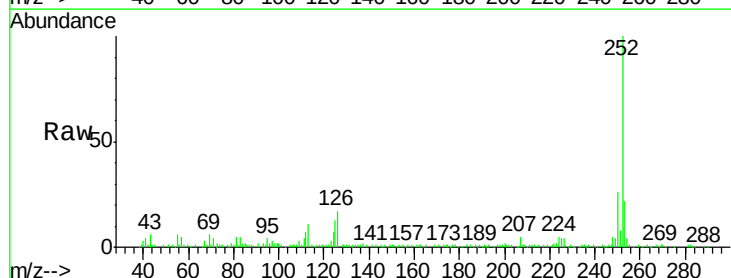
Instrument :
BNA_F
ClientSampleId :
VNJ-242

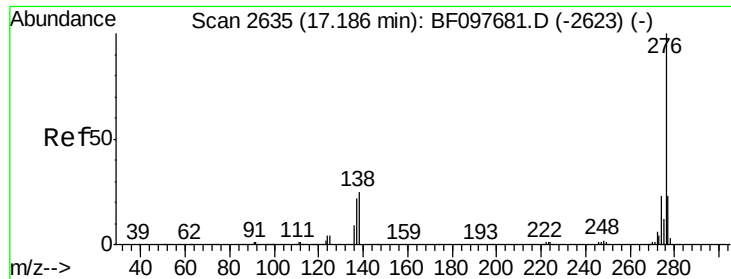
Tot Ion:252 Resp: 62521
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 15.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.60 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion:252 Resp: 97236
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.5 11.0 16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.62 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. -0.07 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Tot Ion:276	Resp:	53422
Ion Ratio	Lower	Upper
276	100	
277	23.9	18.6 28.0
138	28.7	25.4 38.0

