

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097232.D
 Acq On : 1 Aug 2017 15:00
 Operator : SJ/JU
 Sample : I4482-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Quant Time: Aug 01 15:44:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 01 14:57:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	111780	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	438064	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	151063	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	236005	20.00	ng	0.00
75) Chrysene-d12	13.60	240	174250	20.00	ng	0.00
86) Perylene-d12	14.95	264	170510	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.07	112	652910	88.05	ng	0.00
7) Phenol-d6	6.14	99	838528	99.06	ng	-0.01
23) Nitrobenzene-d5	7.03	82	473993	63.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	97032	81.30	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	671387	75.43	ng	0.00
78) Terphenyl-d14	12.55	244	425711	49.81	ng	0.00

Target Compounds

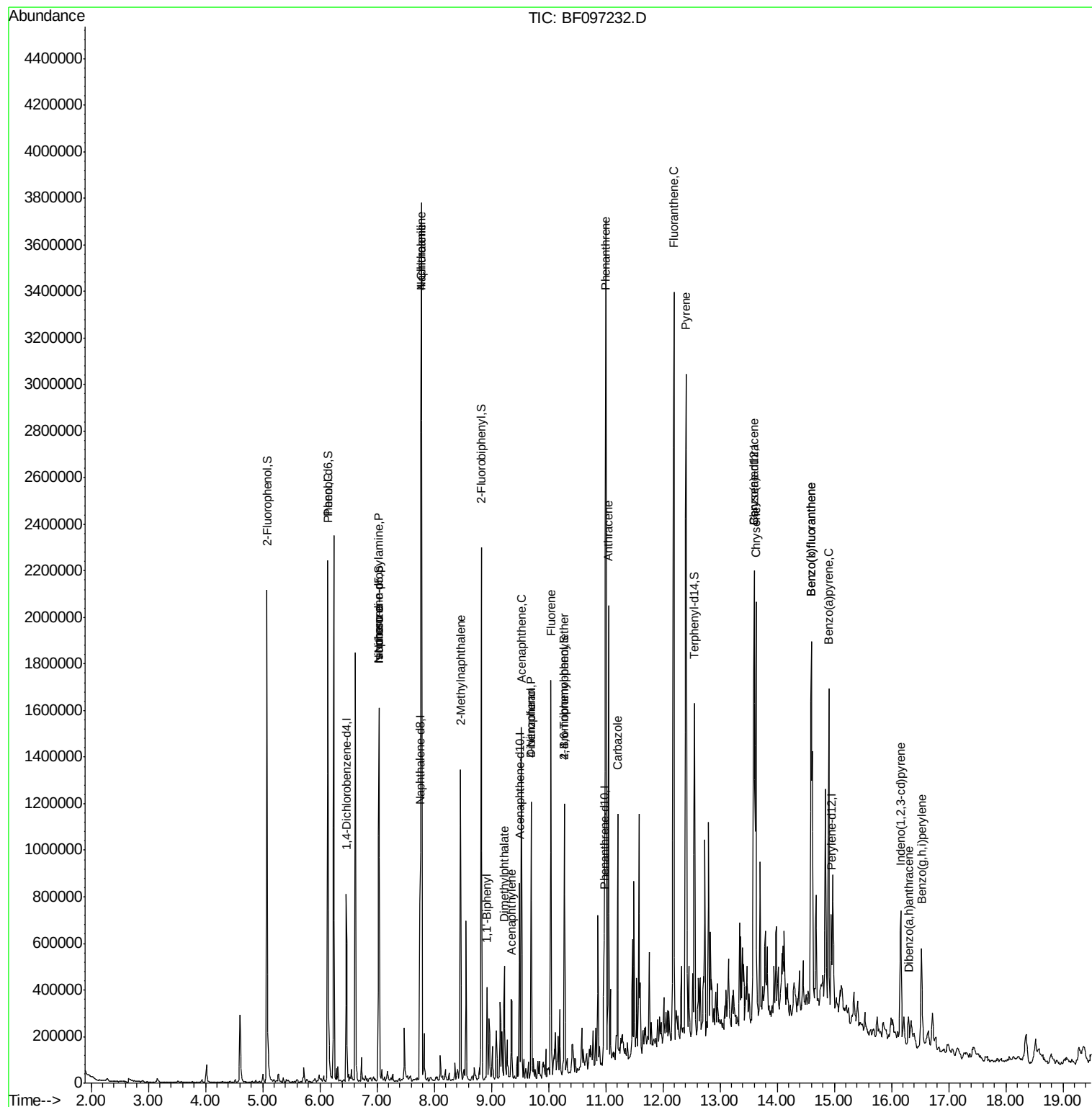
						Qvalue
10) Phenol	6.15	94	63284	6.303	ng	96
19) n-Nitroso-di-n-propylamine	7.03	70	63535	11.403	ng	# 85
25) Isophorone	7.03	82	425192	29.075	ng	# 67
31) Naphthalene	7.77	128	1966809	95.246	ng	99
33) 4-Chloroaniline	7.77	127	266908	31.766	ng	# 32
37) 2-Methylnaphthalene	8.46	142	347019	26.542	ng	98
45) 1,1'-Biphenyl	8.92	154	100895	7.820	ng	95
48) Acenaphthylene	9.35	152	127387	8.741	ng	98
49) Dimethylphthalate	9.23	163	169340	14.762	ng	98
51) Acenaphthene	9.53	154	308121	35.892	ng	100
54) Dibenzofuran	9.70	168	431992	37.779	ng	99
55) 4-Nitrophenol	9.70	139	163795	91.203	ng	# 27
57) Fluorene	10.04	166	435545	50.679	ng	98
66) 4-Bromophenyl-phenylether	10.28	248	6079	2.581	ng	# 1
70) Phenanthrene	11.00	178	2006424	158.670	ng	100
71) Anthracene	11.05	178	723964	55.898	ng	99
72) Carbazole	11.21	167	421855	33.119	ng	98
74) Fluoranthene	12.19	202	1822023	147.080	ng	100
77) Pyrene	12.41	202	1526448	107.004	ng	99
80) Benzo(a)anthracene	13.59	228	897657	79.617	ng	99
82) Chrysene	13.63	228	710608	64.546	ng	97
85) Indeno(1,2,3-cd)pyrene	16.16	276	317048	33.585	ng	94
87) Benzo(b)fluoranthene	14.60	252	1169825	114.132	ng	# 97
88) Benzo(k)fluoranthene	14.60	252	1169825	119.772	ng	99
89) Benzo(a)pyrene	14.90	252	612428	65.285	ng	97
90) Dibenzo(a,h)anthracene	16.30	278	64436	8.376	ng	95
91) Benzo(g,h,i)perylene	16.53	276	282823	35.059	ng	98

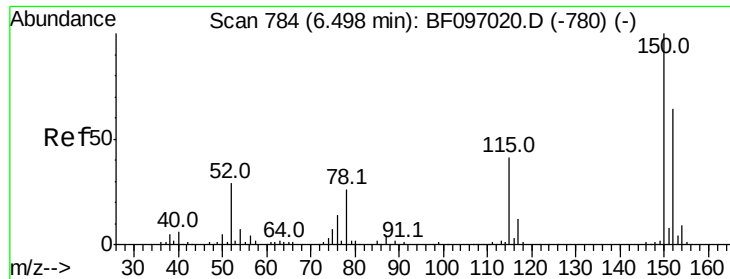
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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VNJ-227-230-235

Quant Time: Aug 01 15:44:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 01 14:57:42 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

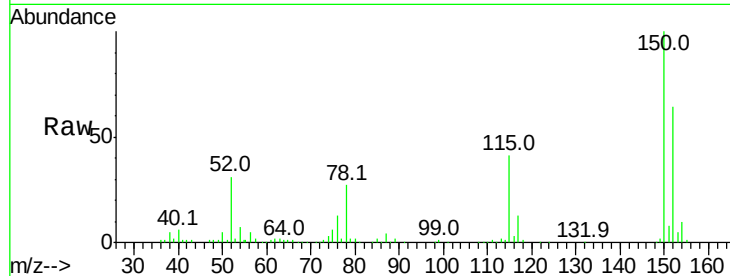
Tot Ion:152 Resp: 111780

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

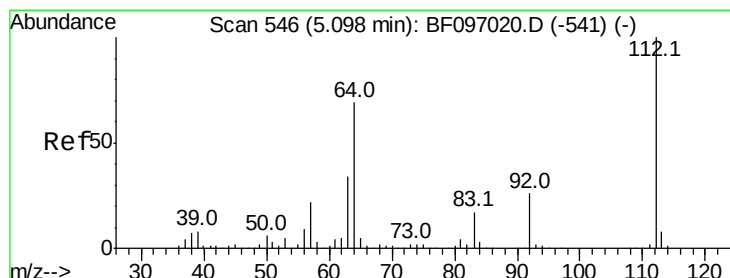
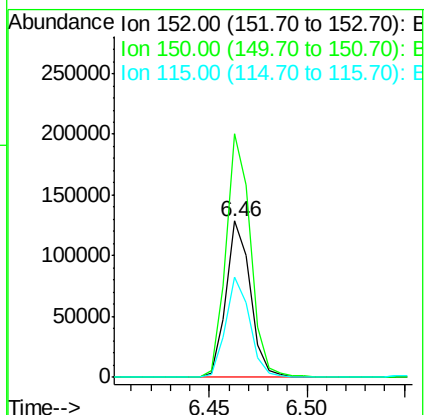
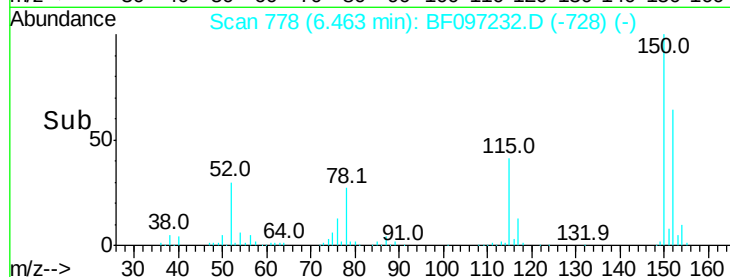
115 64.5 52.2 78.2



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: 88.053 ng

RT: 5.07 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

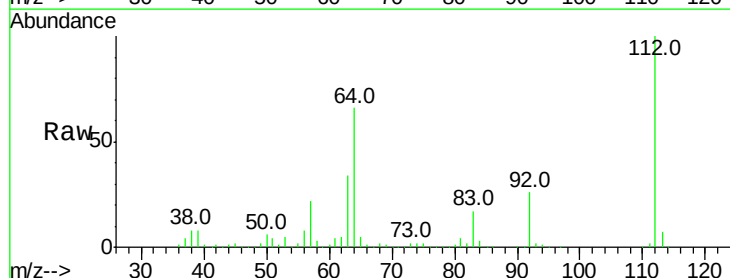
Tgt Ion:112 Resp: 652910

Ion Ratio Lower Upper

112 100

64 65.6 46.0 69.0

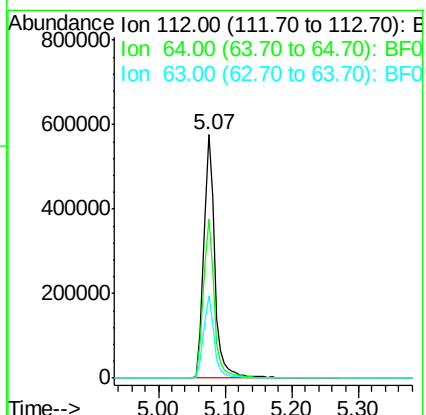
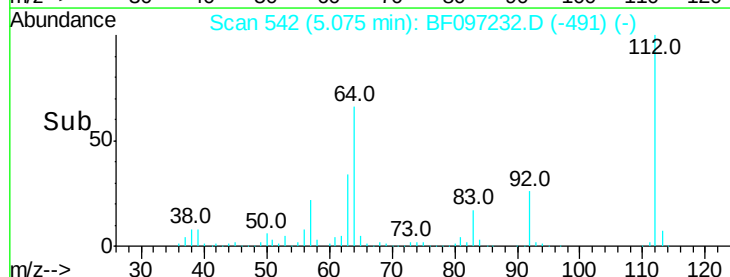
63 33.8 23.4 35.0

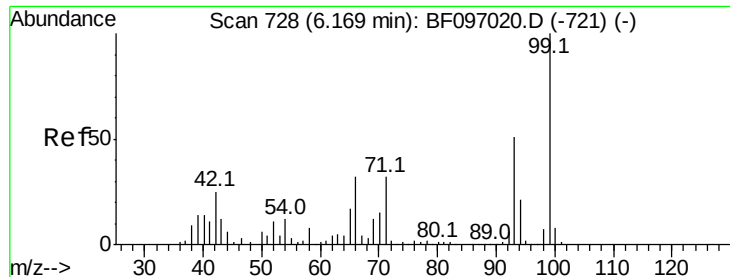


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.057 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

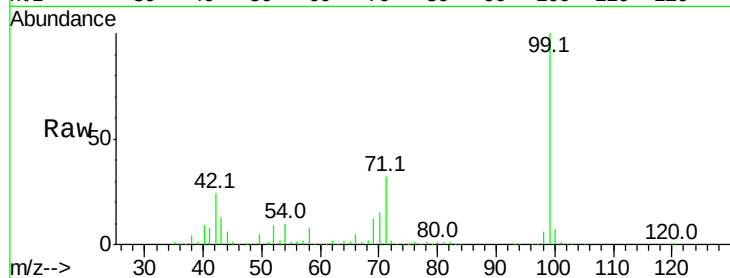
Tot Ion: 99 Resp: 838528

Ion Ratio Lower Upper

99 100

42 24.4 13.5 20.3#

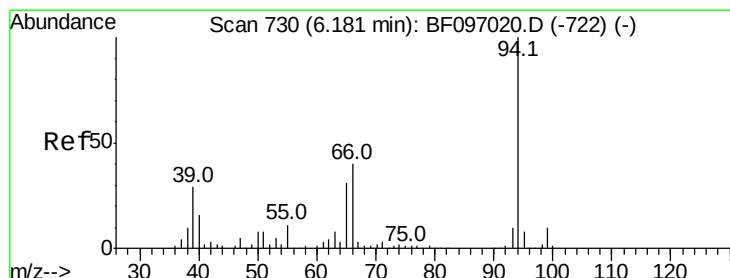
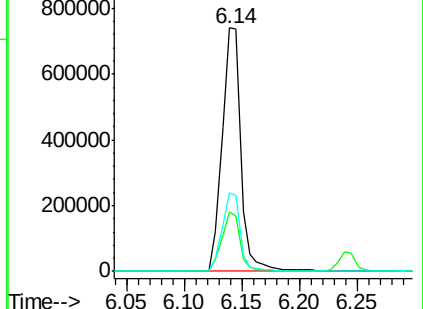
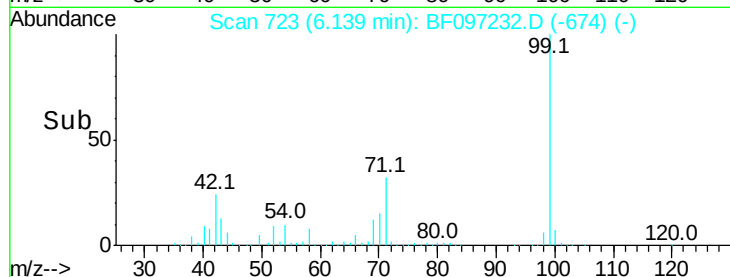
71 32.4 24.5 36.7



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



#10

Phenol

Concen: 6.303 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

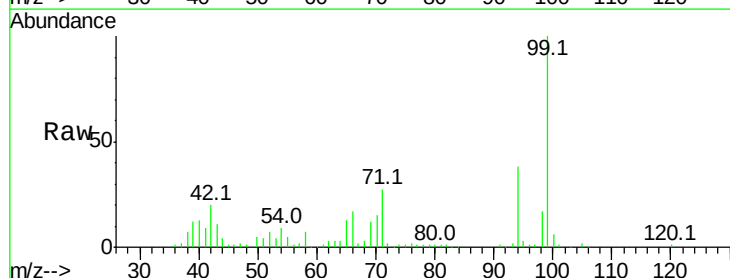
Tgt Ion: 94 Resp: 63284

Ion Ratio Lower Upper

94 100

65 33.3 9.9 49.9

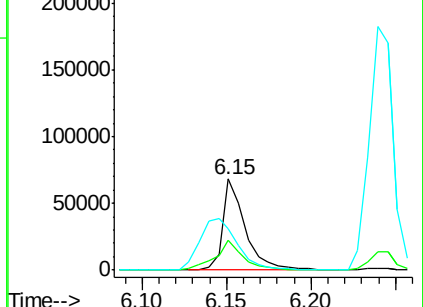
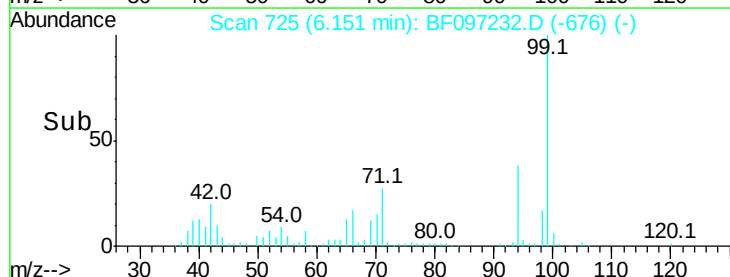
66 45.0 23.1 63.1

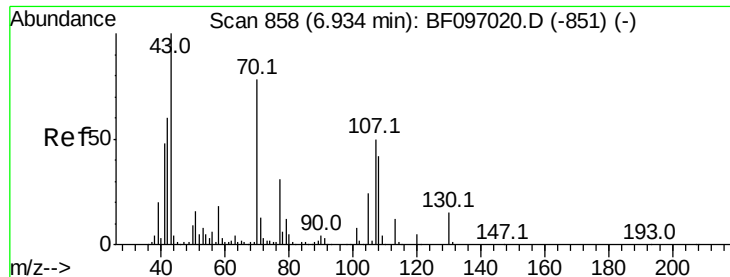


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

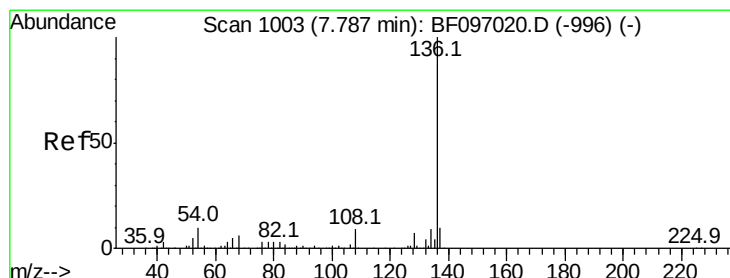
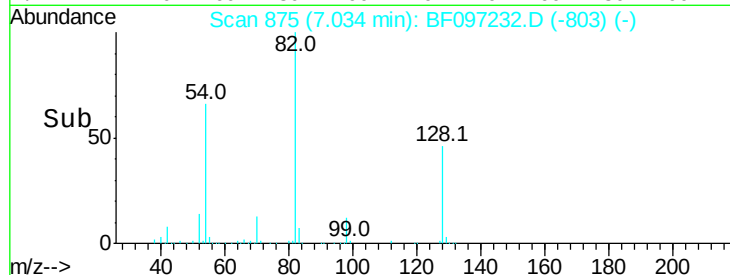
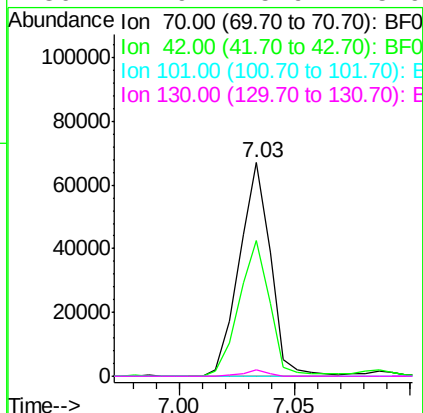
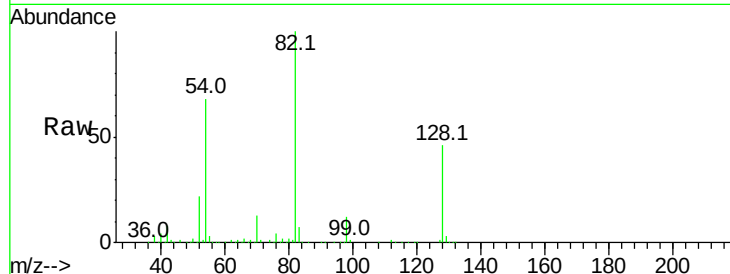




#19
n-Nitroso-di-n-propylamine
Concen: 11.403 ng
RT: 7.03 min Scan# 875
Delta R.T. 0.12 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

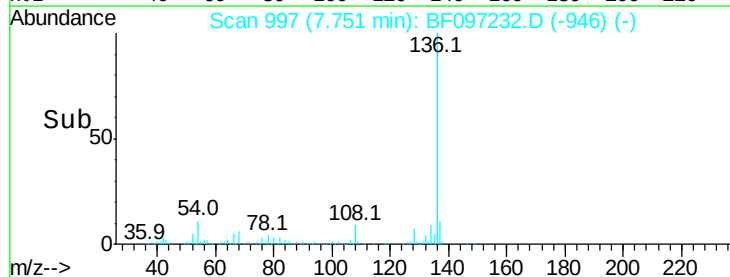
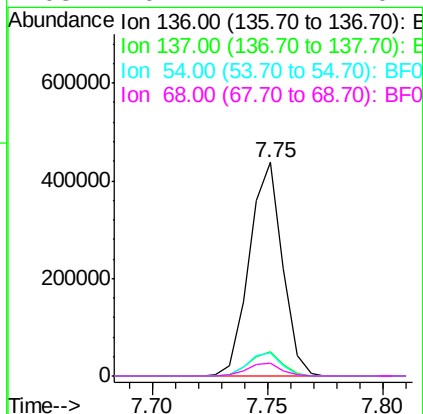
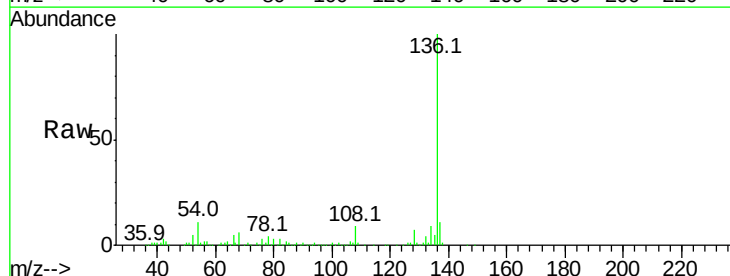
Instrument :
BNA_F
ClientSampleId :
VNJ-227-230-235

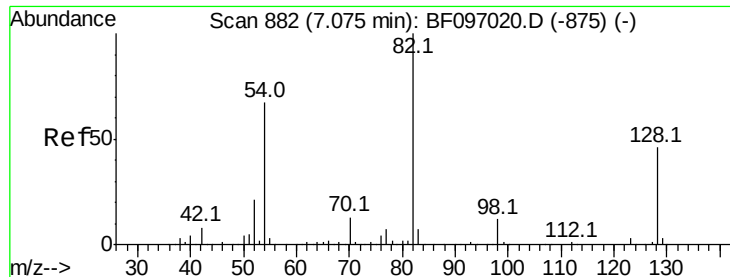
Tot Ion: 70 Resp: 63535
Ion Ratio Lower Upper
70 100
42 63.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Tgt Ion:136 Resp: 438064
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.6 4.9 7.3#
68 6.1 4.1 6.1

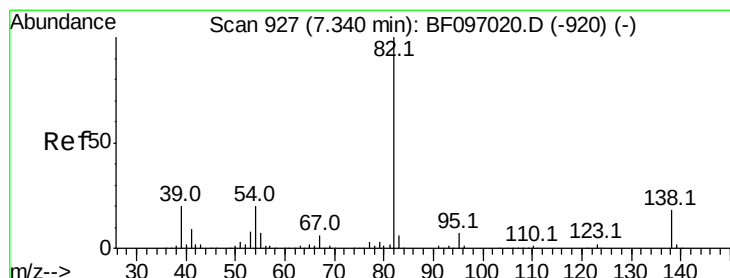
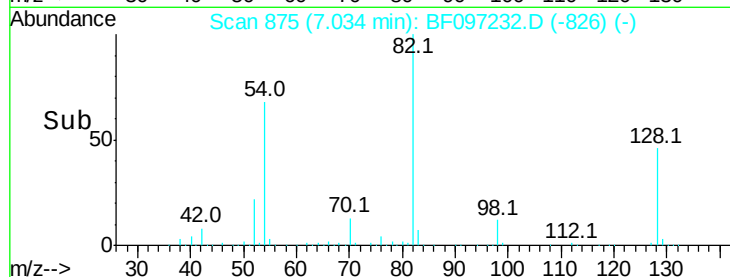
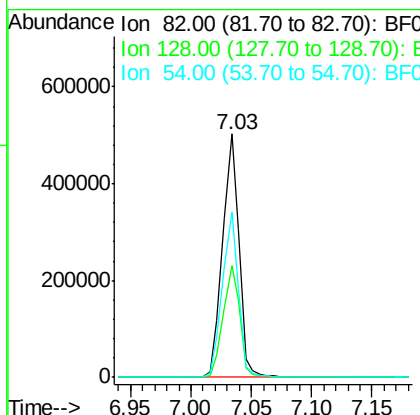
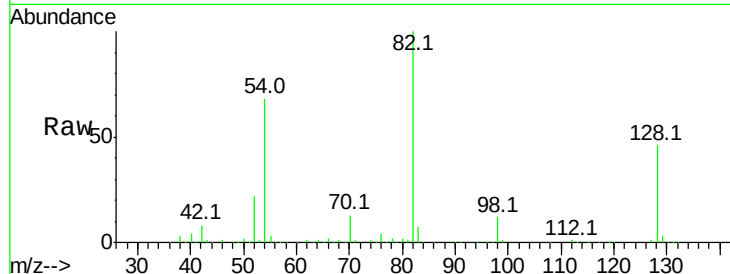




#23
Nitrobenzene-d5
Concen: 63.475 ng
RT: 7.03 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

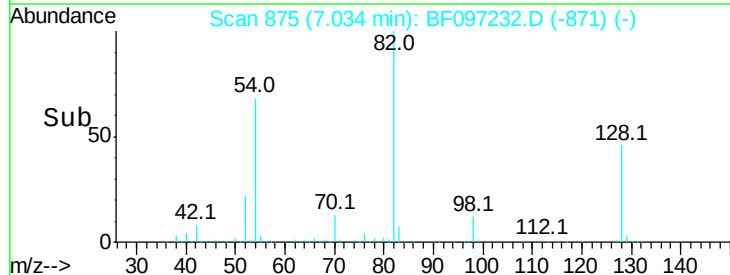
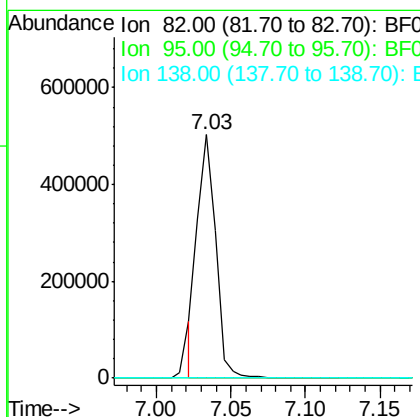
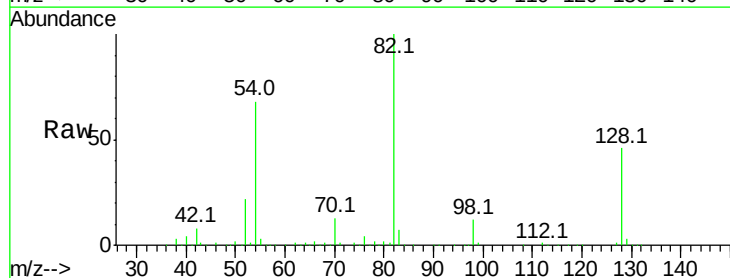
Instrument :
BNA_F
ClientSampleId :
VNJ-227-230-235

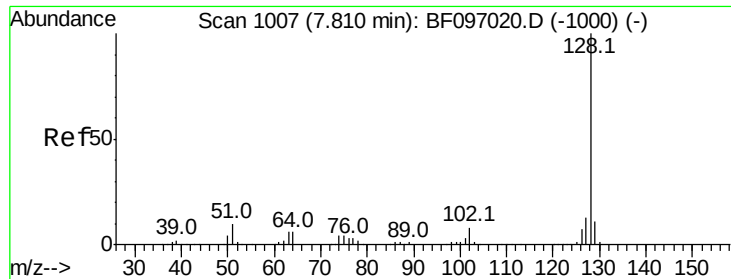
Tot Ion: 82 Resp: 473993
Ion Ratio Lower Upper
82 100
128 45.9 34.0 51.0
54 68.3 42.2 63.2#



#25
Isophorone
Concen: 29.075 ng
RT: 7.03 min Scan# 875
Delta R.T. -0.28 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Tgt Ion: 82 Resp: 425192
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 95.246 ng

RT: 7.77 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

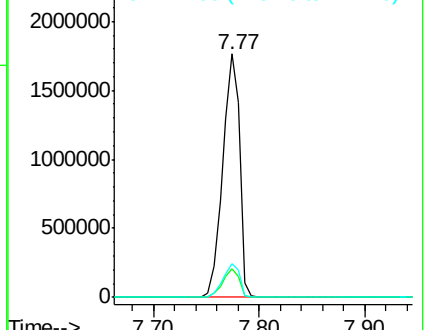
Tot Ion:128 Resp: 1966809

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.8	10.8	16.2

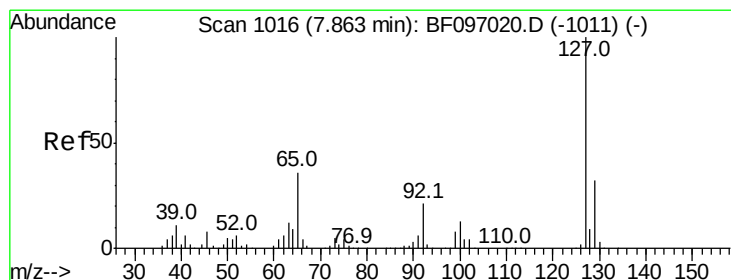
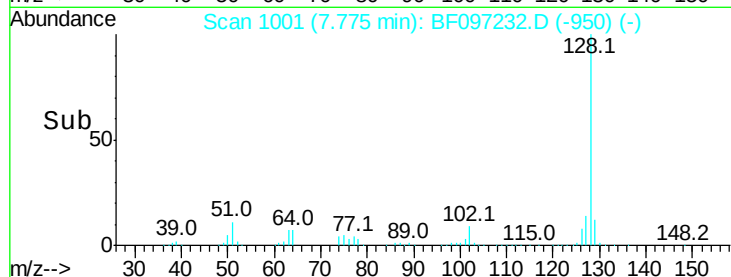
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#33

4-Chloroaniline

Concen: 31.766 ng

RT: 7.77 min Scan# 1001

Delta R.T. -0.06 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Tgt Ion:127 Resp: 266908

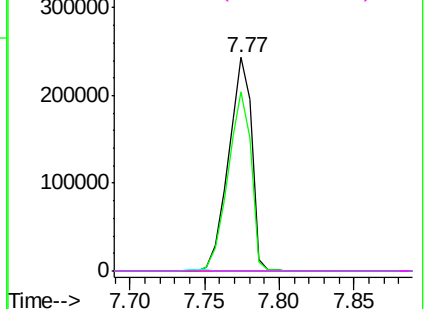
Ion	Ratio	Lower	Upper
127	100		
129	83.7	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

Abundance Ion 127.00 (126.70 to 127.70): E

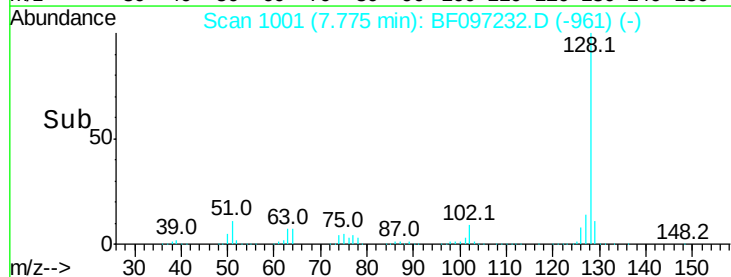
Ion 129.00 (128.70 to 129.70): E

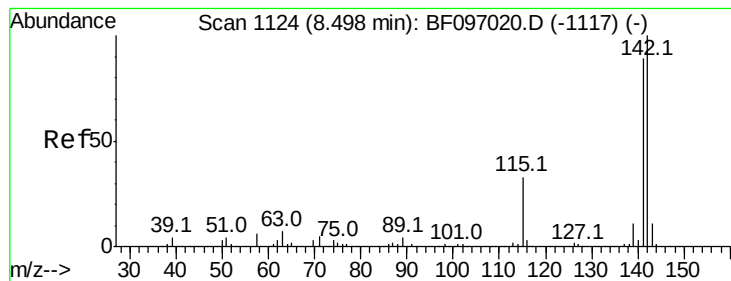
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time-->





#37

2-Methylnaphthalene

Concen: 26.542 ng

RT: 8.46 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

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VNJ-227-230-235

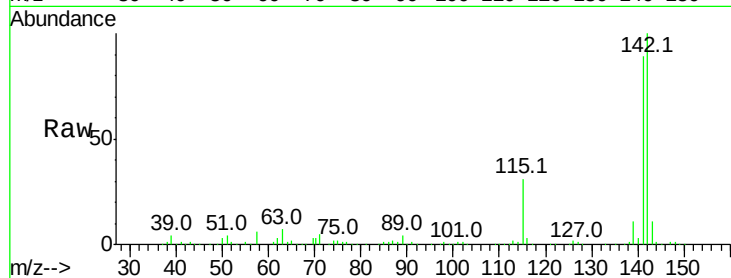
Tot Ion:142 Resp: 347019

Ion Ratio Lower Upper

142 100

141 89.4 71.3 106.9

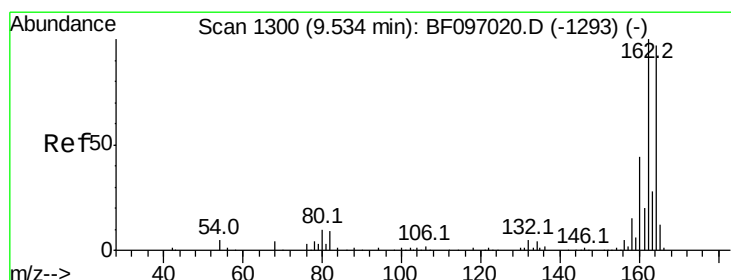
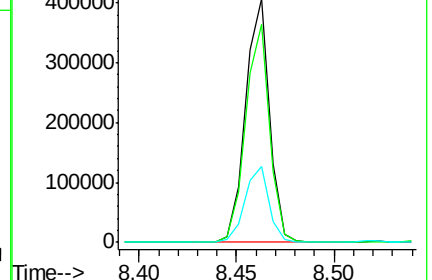
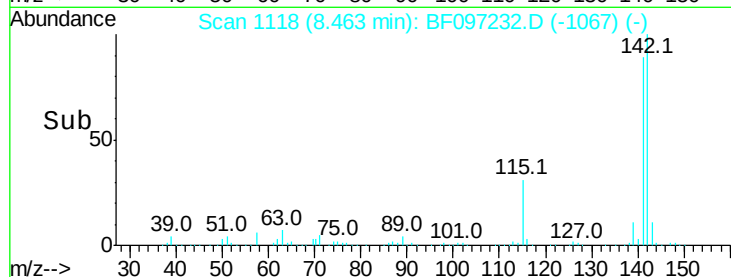
115 31.2 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

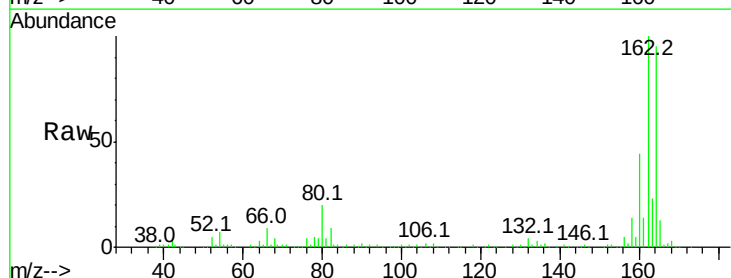
Tgt Ion:164 Resp: 151063

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

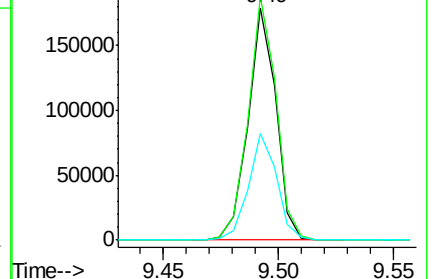
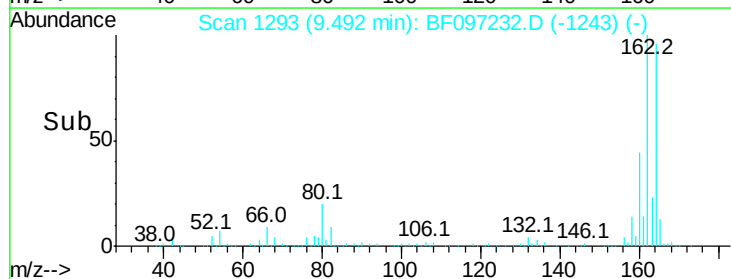
160 45.7 36.2 54.2

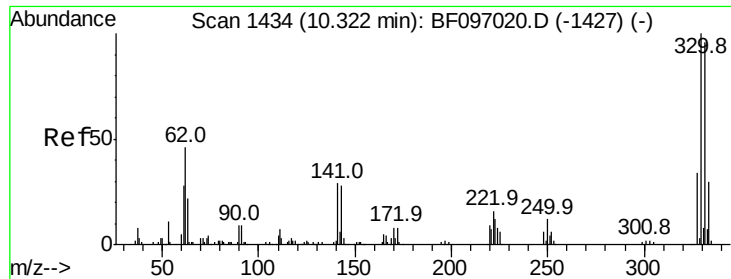


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

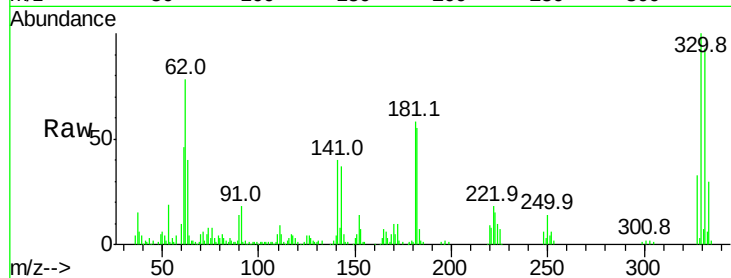




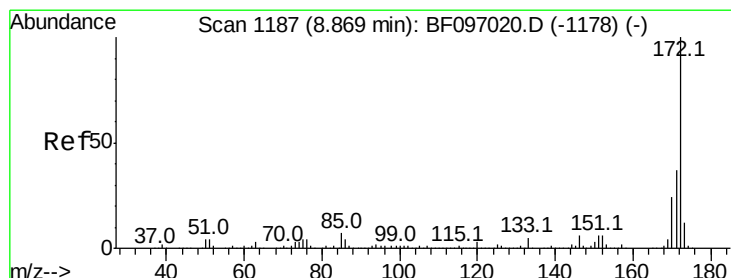
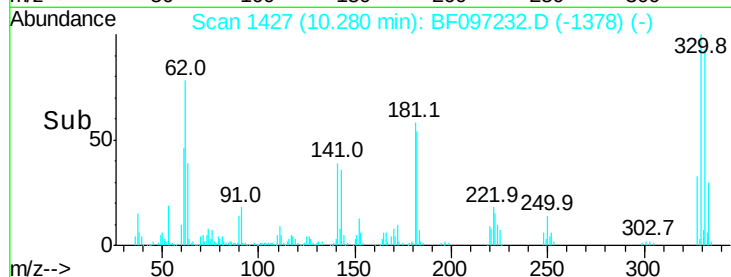
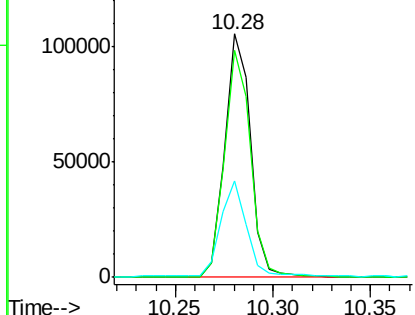
#41
 2,4,6-Tribromophenol
 Concen: 81.297 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	115.0
141	40.5	31.4	47.2

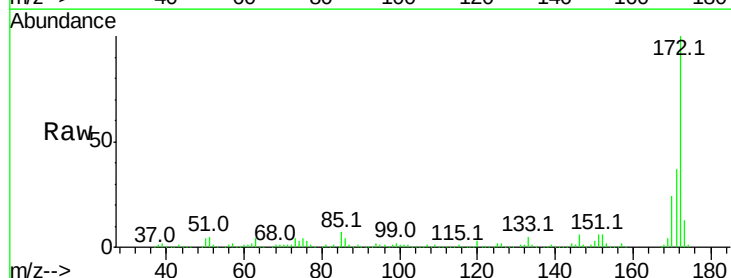


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

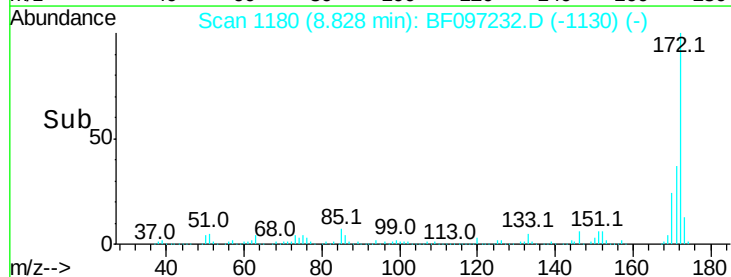
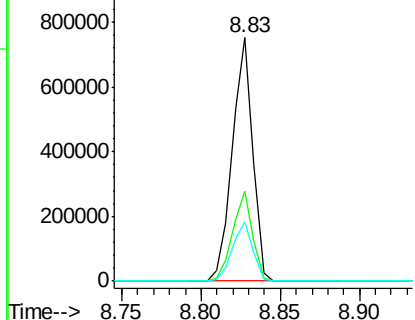


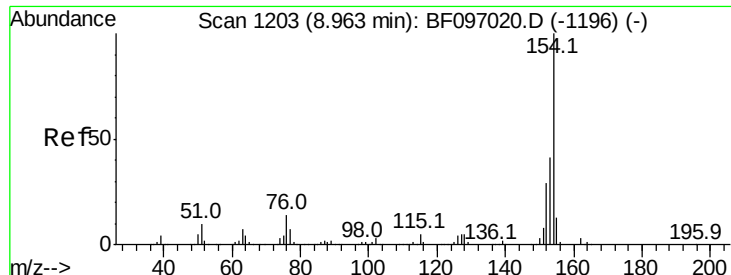
#44
 2-Fluorobiphenyl
 Concen: 75.426 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.4	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





#45

1,1'-Biphenyl

Concen: 7.820 ng

RT: 8.92 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

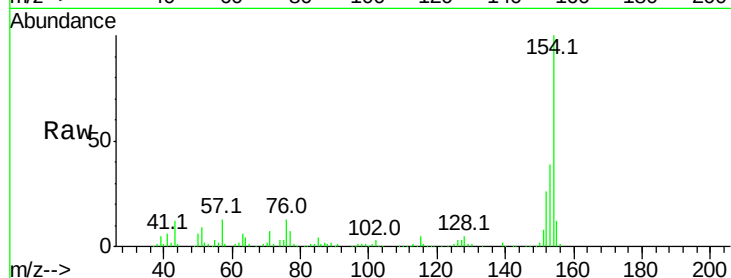
Tot Ion:154 Resp: 100895

Ion Ratio Lower Upper

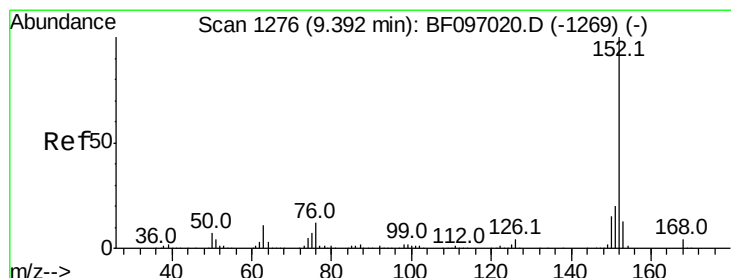
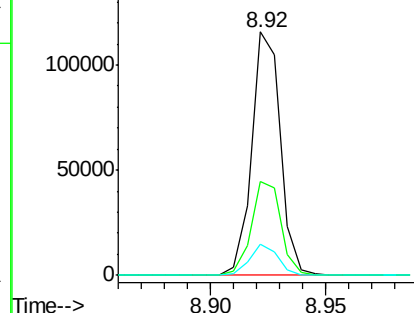
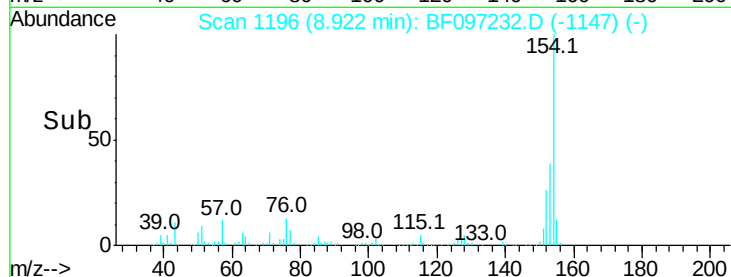
154 100

153 38.8 21.2 61.2

76 13.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 8.741 ng

RT: 9.35 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

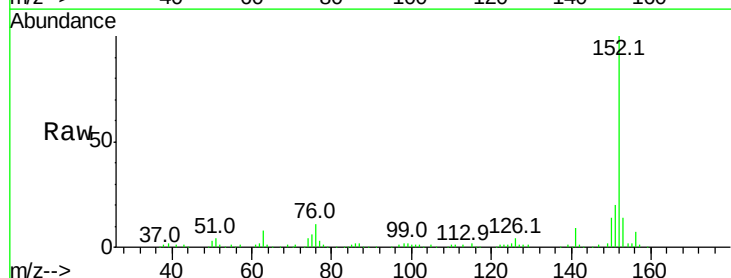
Tgt Ion:152 Resp: 127387

Ion Ratio Lower Upper

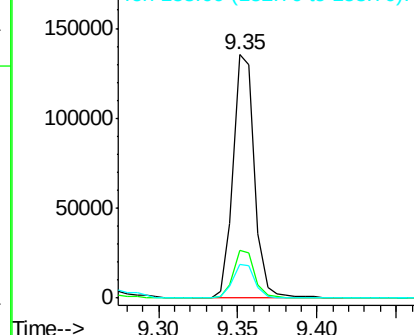
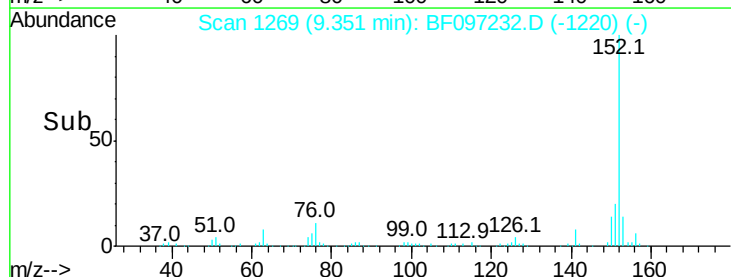
152 100

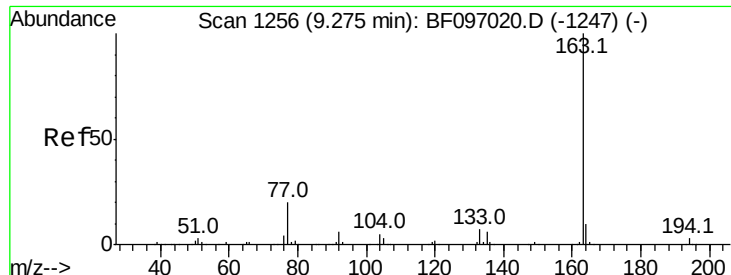
151 19.8 16.8 25.2

153 13.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

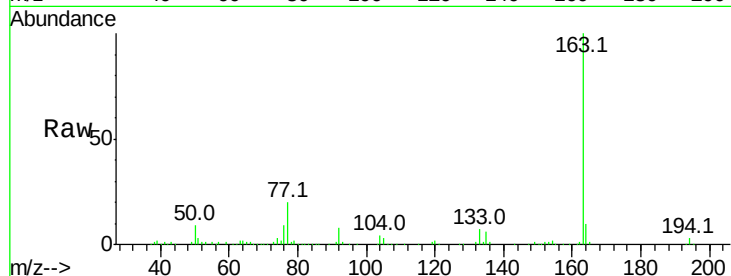




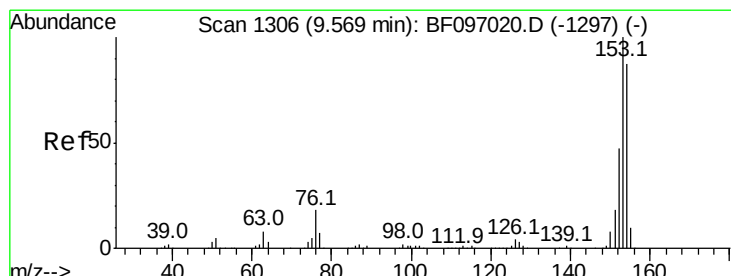
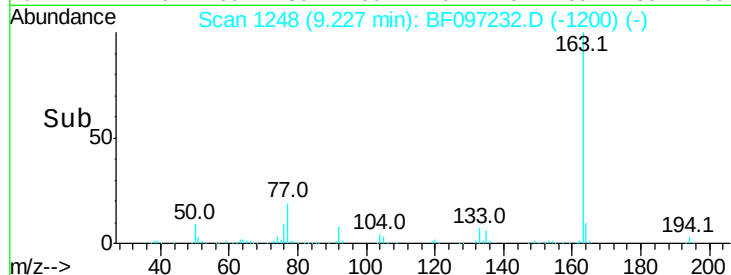
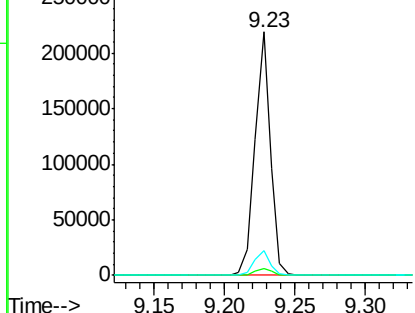
#49
Dimethylphthalate
Concen: 14.762 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Instrument :
BNA_F
ClientSampleId :
VNJ-227-230-235

Tot Ion:163 Resp: 169340
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 9.9 8.4 12.6

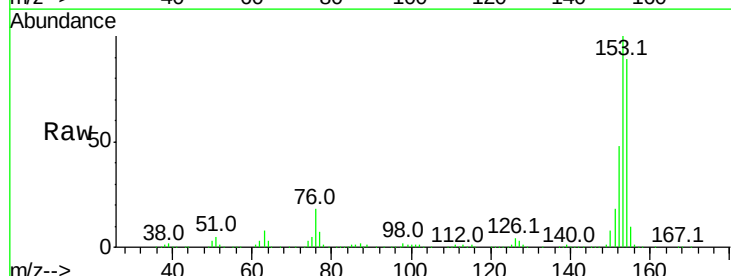


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

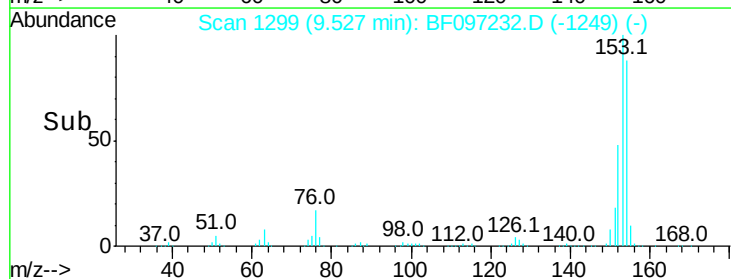
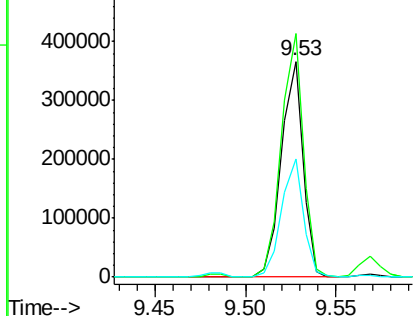


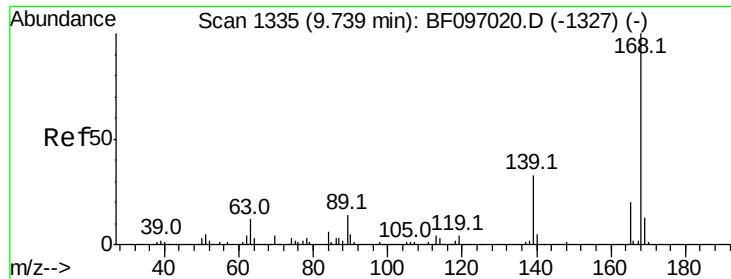
#51
Acenaphthene
Concen: 35.892 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Tgt Ion:154 Resp: 308121
Ion Ratio Lower Upper
154 100
153 112.8 90.5 135.7
152 54.5 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

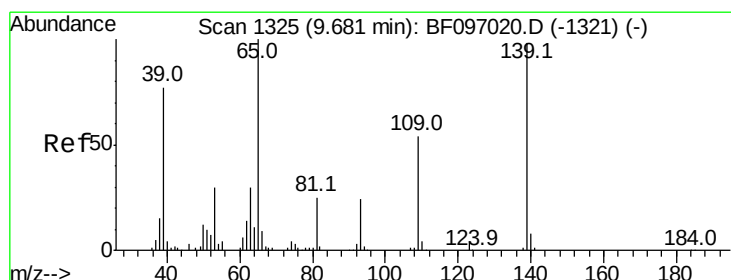
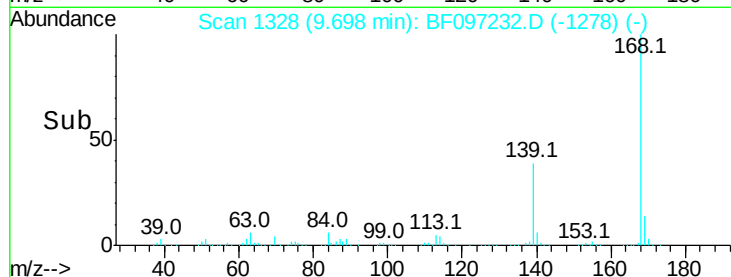
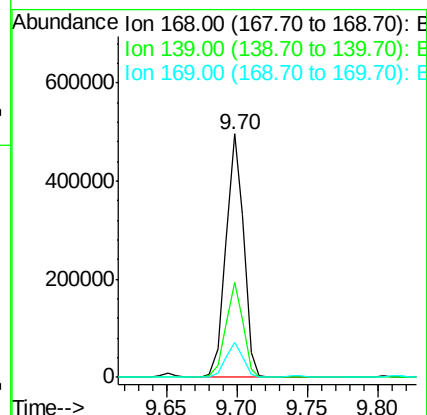
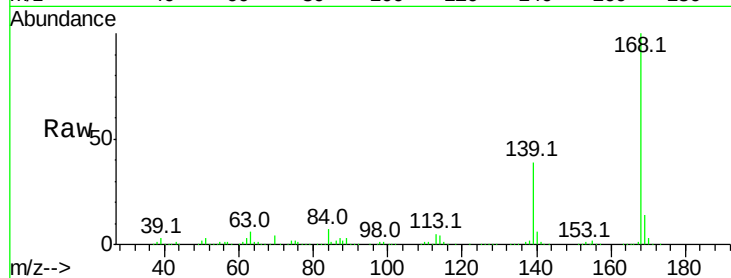




#54
Dibenzofuran
Concen: 37.779 ng
RT: 9.70 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

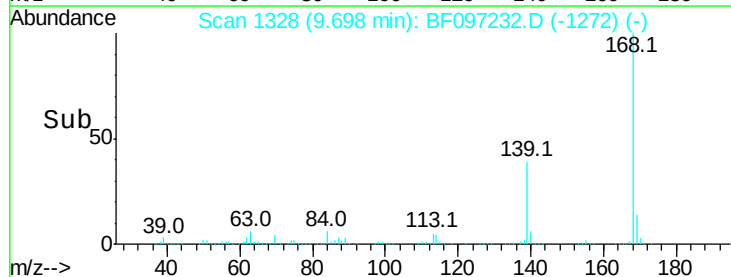
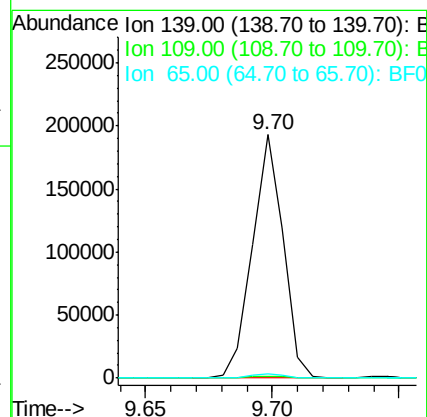
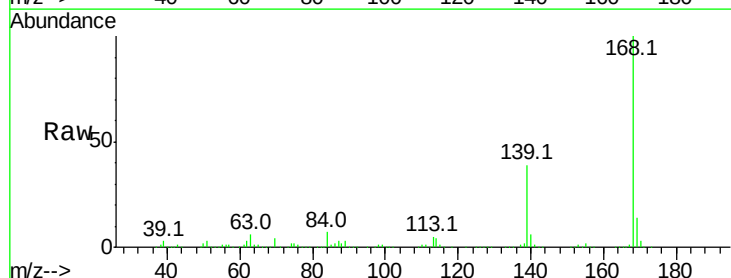
Instrument :
BNA_F
ClientSampleId :
VNJ-227-230-235

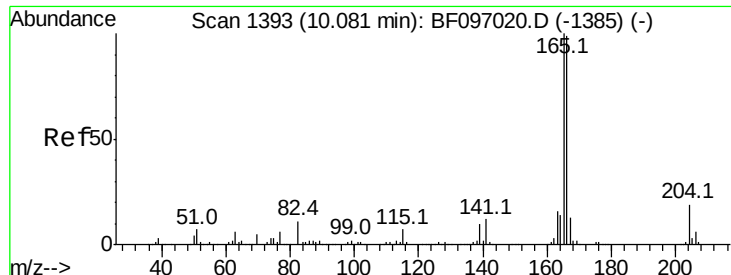
Tot Ion:168 Resp: 431992
Ion Ratio Lower Upper
168 100
139 38.9 30.6 45.8
169 14.2 10.8 16.2



#55
4-Nitrophenol
Concen: 91.203 ng
RT: 9.70 min Scan# 1328
Delta R.T. 0.03 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Tgt Ion:139 Resp: 163795
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.9 31.4 71.4#





#57

Fluorene

Concen: 50.679 ng

RT: 10.04 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

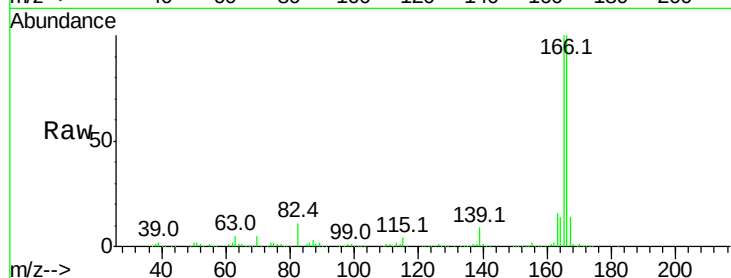
Tot Ion:166 Resp: 435545

Ion Ratio Lower Upper

166 100

165 100.1 78.8 118.2

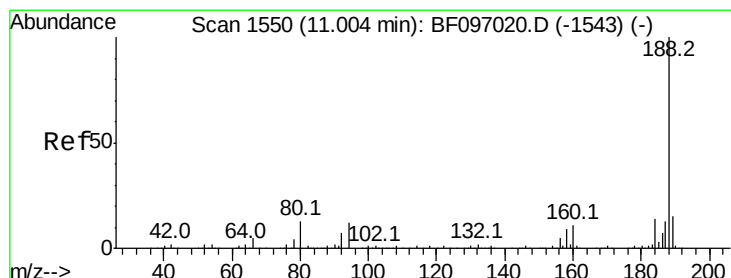
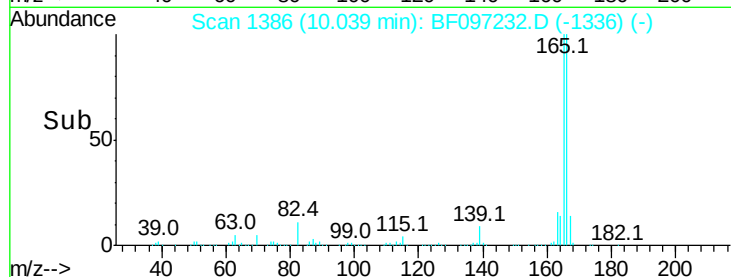
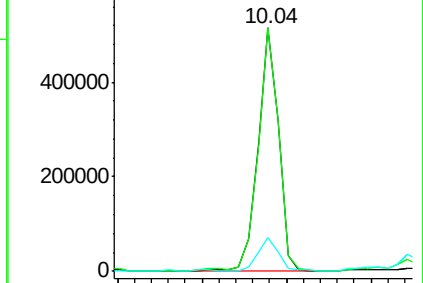
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.97 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

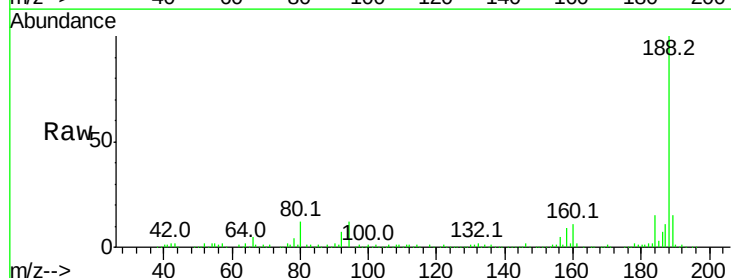
Tgt Ion:188 Resp: 236005

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

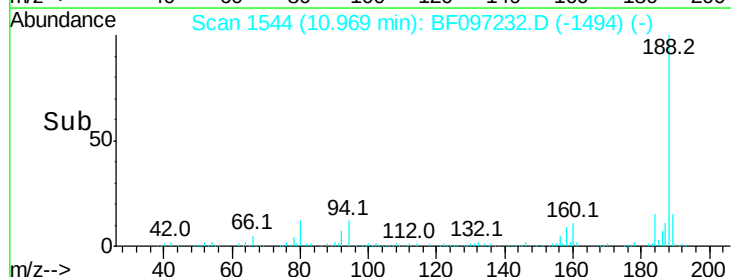
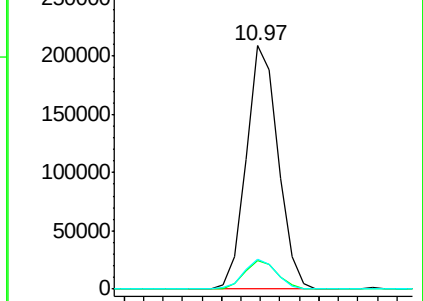
80 12.4 10.2 15.2

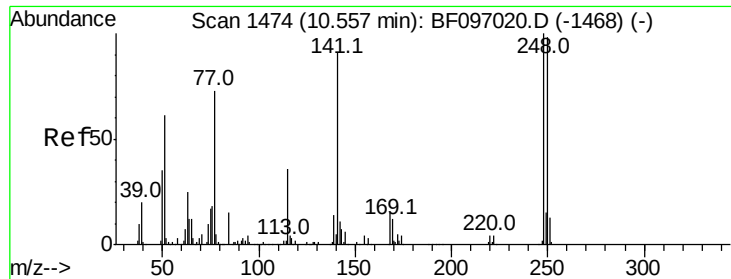


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

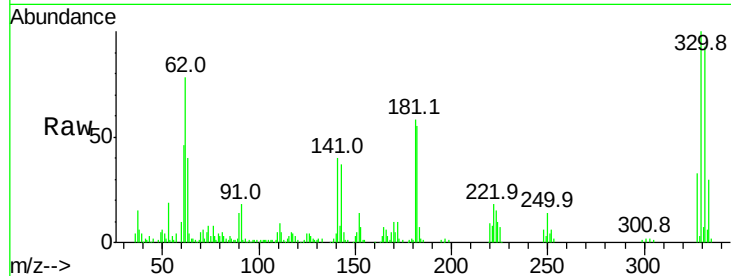




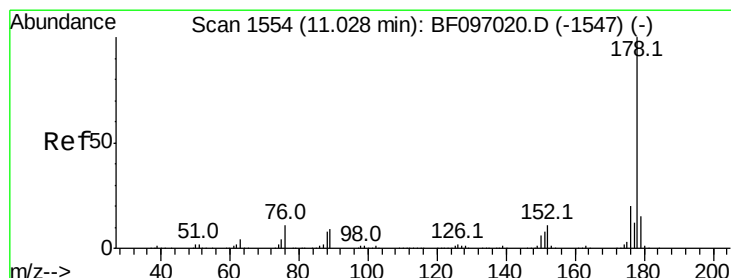
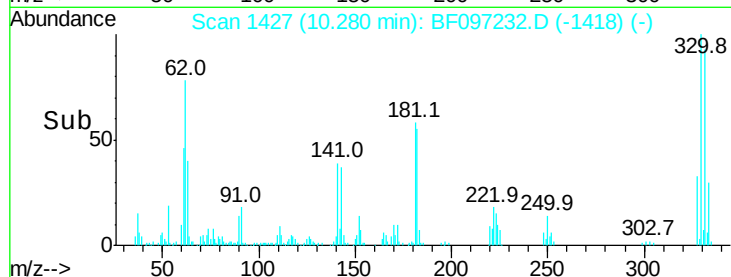
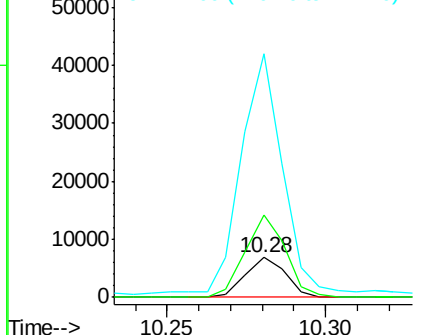
#66
 4-Bromophenyl-phenylether
 Concen: 2.581 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Tot Ion:248 Resp: 6079
 Ion Ratio Lower Upper
 248 100
 250 208.8 76.8 115.2#
 141 613.0 68.6 103.0#

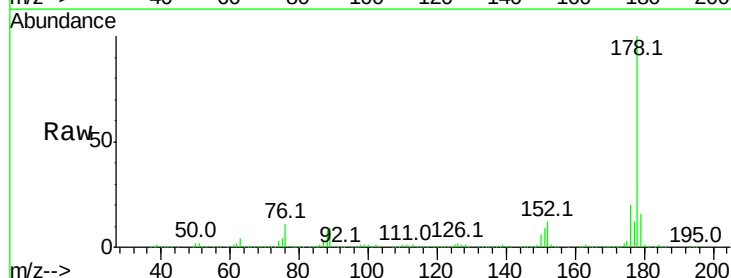


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

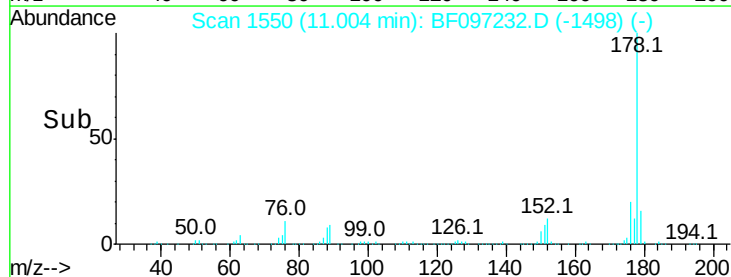
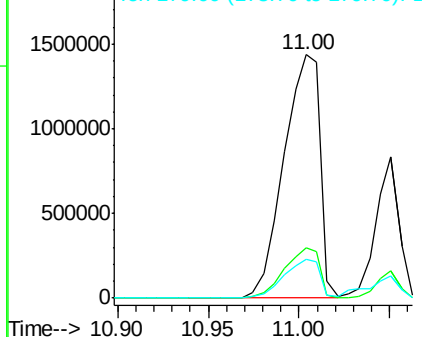


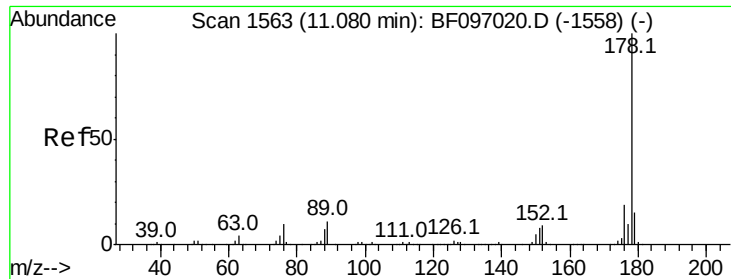
#70
 Phenanthrene
 Concen: 158.670 ng
 RT: 11.00 min Scan# 1550
 Delta R.T. 0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Tgt Ion:178 Resp: 2006424
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 15.9 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

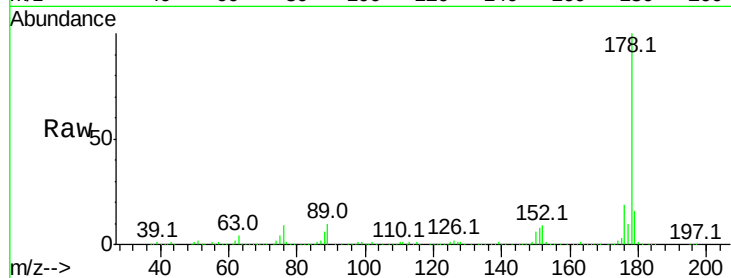




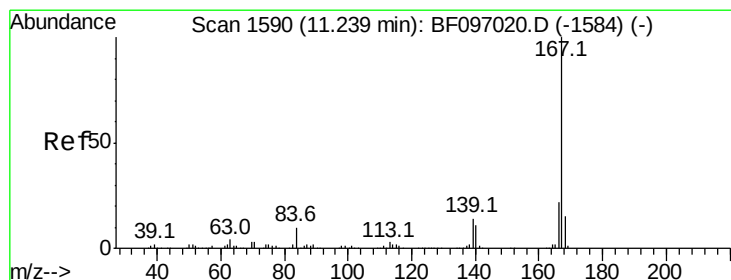
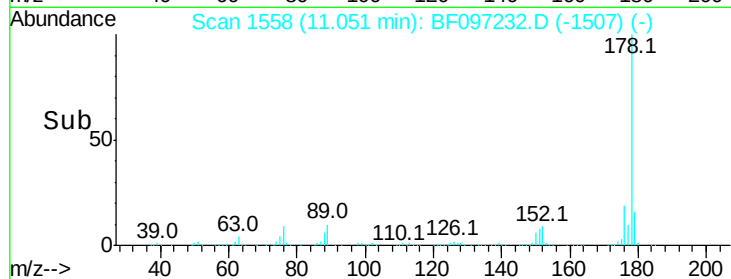
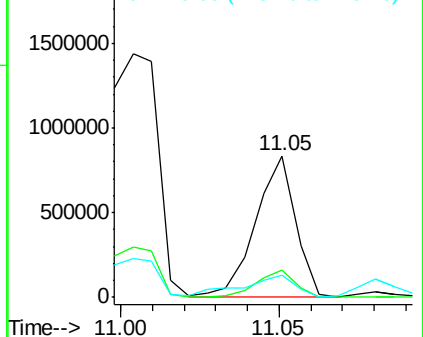
#71
 Anthracene
 Concen: 55.898 ng
 RT: 11.05 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Tot Ion:178 Resp: 723964
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.6 12.7 19.1

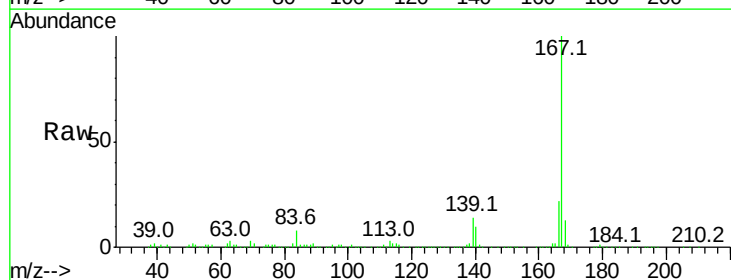


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

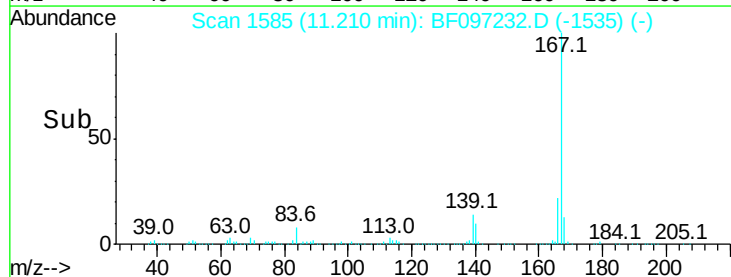
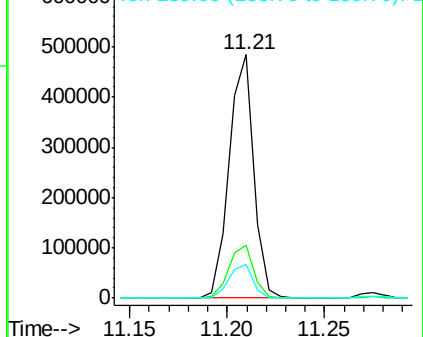


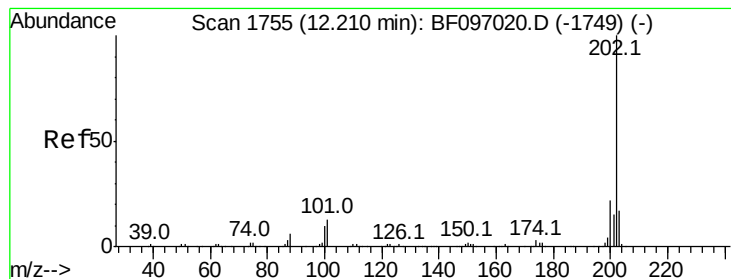
#72
 Carbazole
 Concen: 33.119 ng
 RT: 11.21 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Tgt Ion:167 Resp: 421855
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.1 27.1
 139 13.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 147.080 ng

RT: 12.19 min Scan# 1752

Delta R.T. 0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

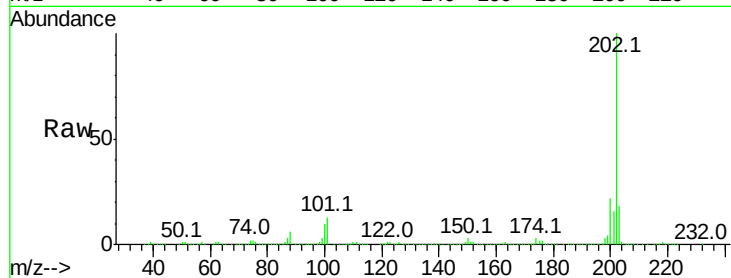
Tot Ion:202 Resp: 1822023

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

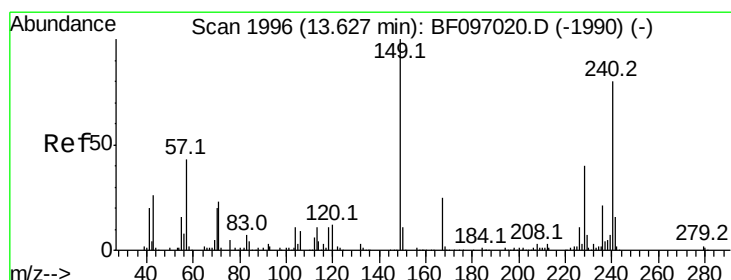
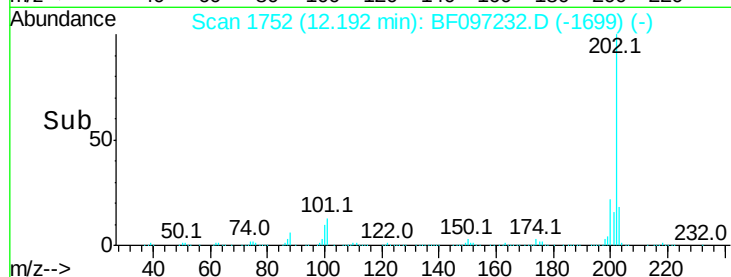
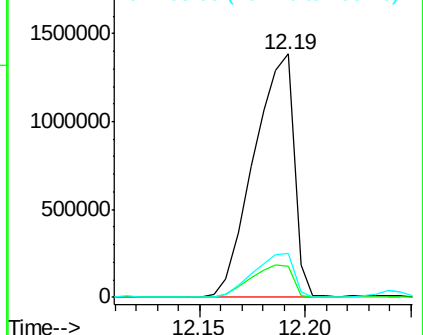
203 17.9 0.0 38.1



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: 20.000 ng

RT: 13.60 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

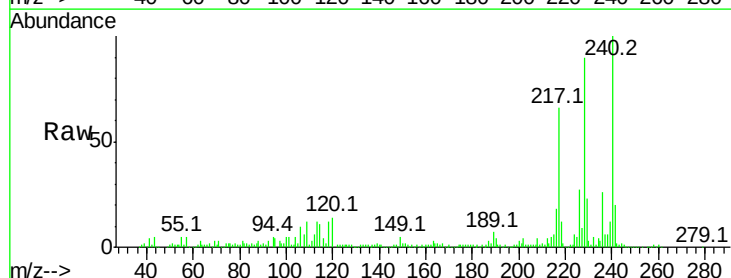
Tgt Ion:240 Resp: 174250

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

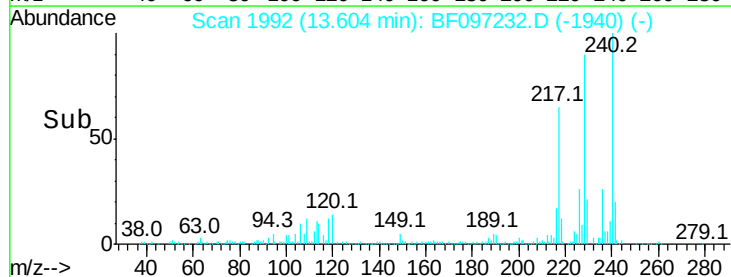
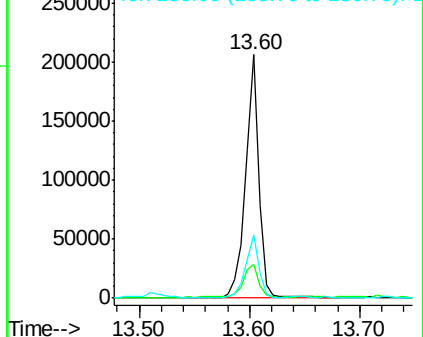
236 26.0 20.5 30.7

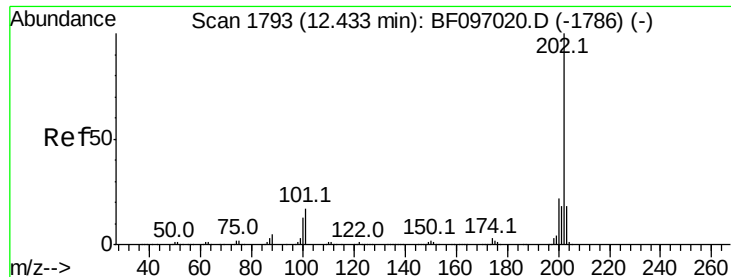


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

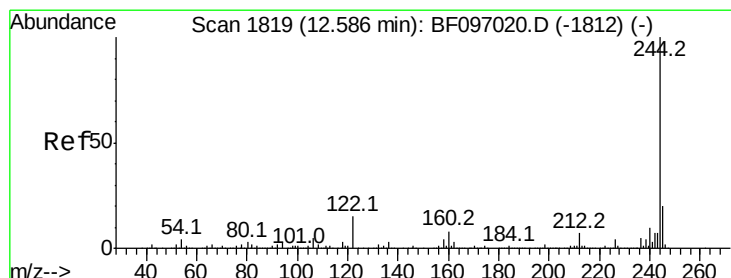
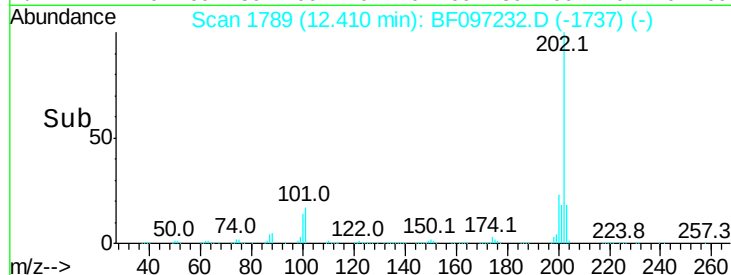
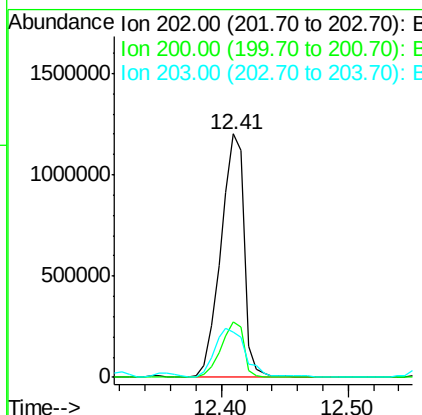
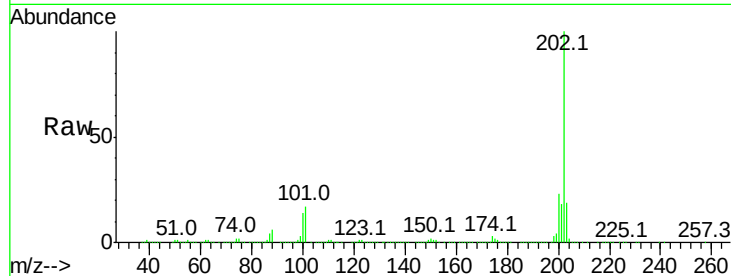




#77
Pvrene
Concen: 107.004 ng
RT: 12.41 min Scan# 1789
Delta R.T. 0.01 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

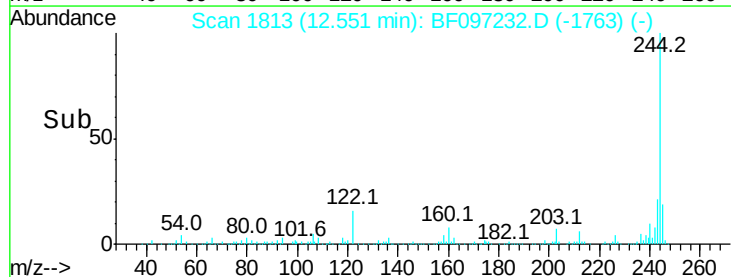
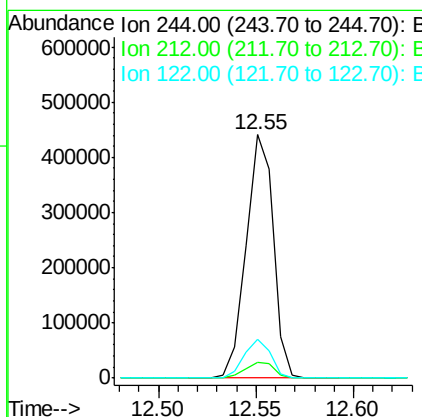
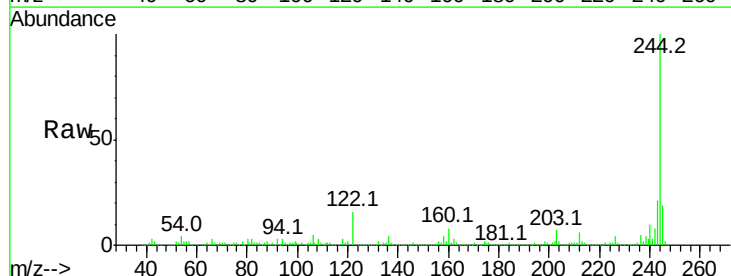
Instrument :
BNA_F
ClientSampleId :
VNJ-227-230-235

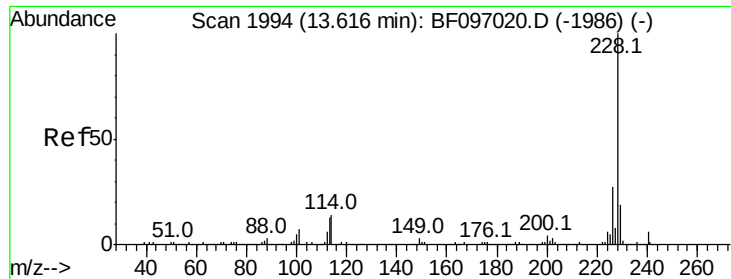
Tot Ion:202 Resp: 1526448
Ion Ratio Lower Upper
202 100
200 22.6 17.6 26.4
203 18.7 14.4 21.6



#78
Terphenyl-d14
Concen: 49.811 ng
RT: 12.55 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF097232.D
Acq: 1 Aug 2017 15:00

Tgt Ion:244 Resp: 425711
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 16.1 10.3 15.5#





#80

Benzo(a)anthracene

Concen: 79.617 ng

RT: 13.59 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

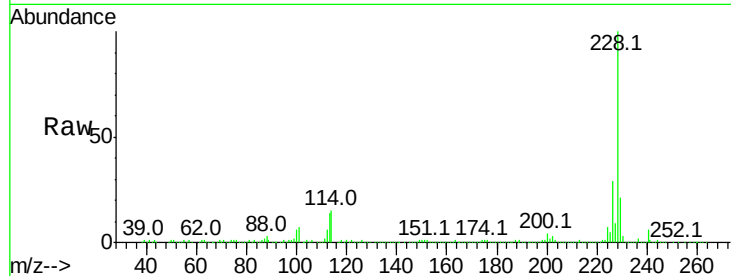
BNA_F

ClientSampleId :

VNJ-227-230-235

Tot Ion:228 Resp: 897657

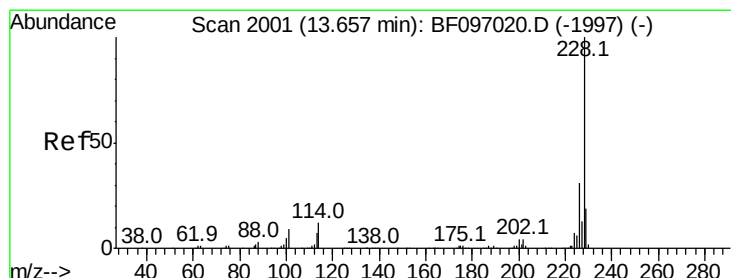
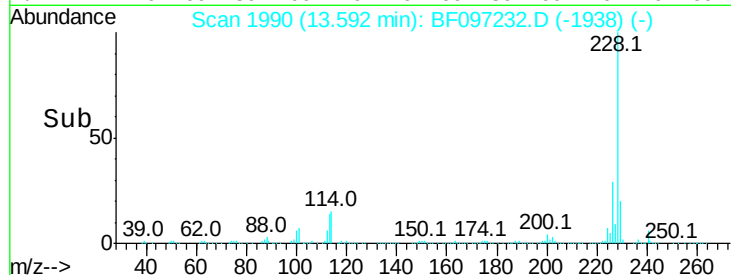
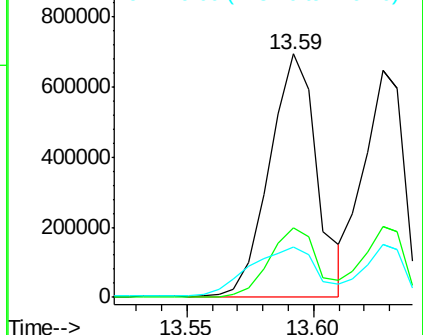
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.8	16.3	24.5



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: 64.546 ng

RT: 13.63 min Scan# 1996

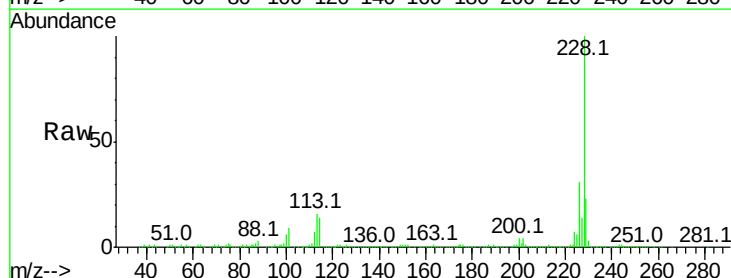
Delta R.T. 0.00 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Tgt Ion:228 Resp: 710608

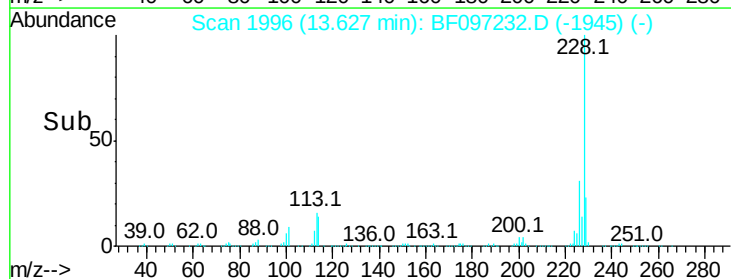
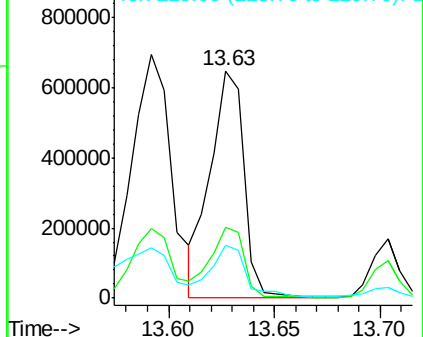
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	23.3	15.8	23.6

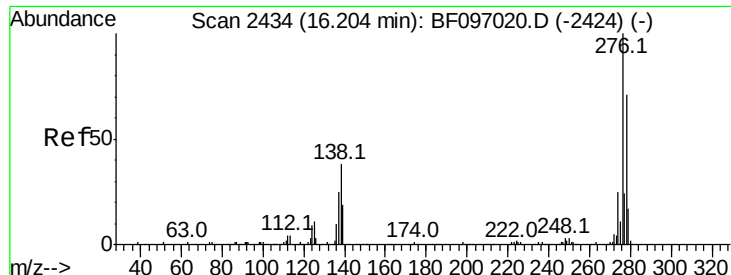


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

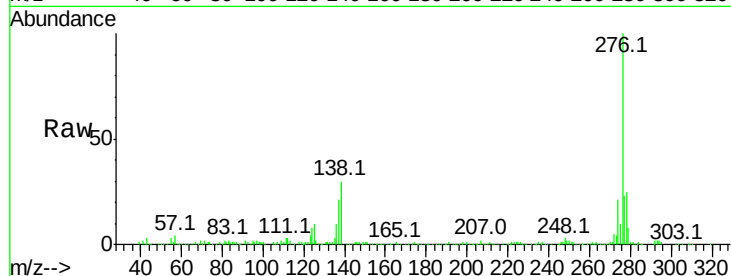




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.585 ng
 RT: 16.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	22.3	20.2	30.4

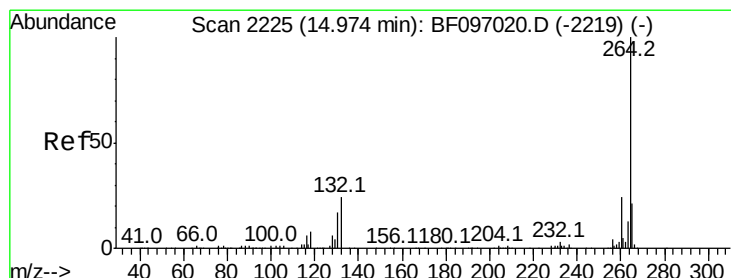
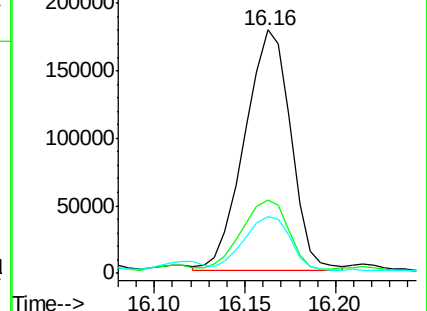
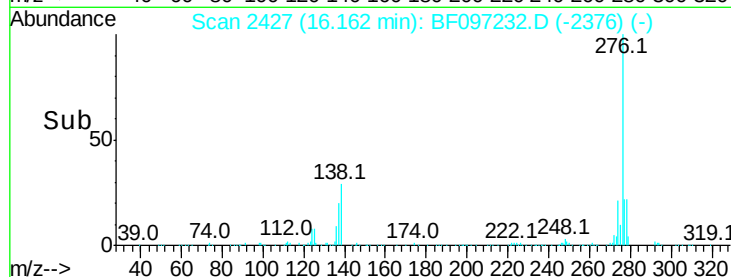


Abundance

Ion 276.00 (275.70 to 276.70): E

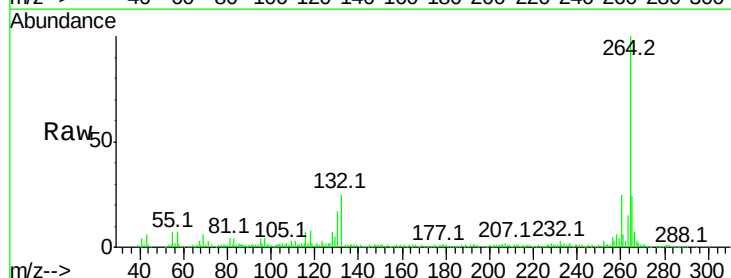
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.95 min Scan# 2221
 Delta R.T. 0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	23.9	17.2	25.8

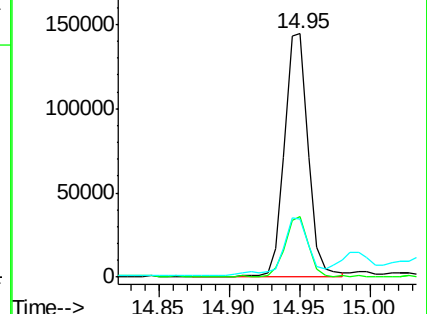
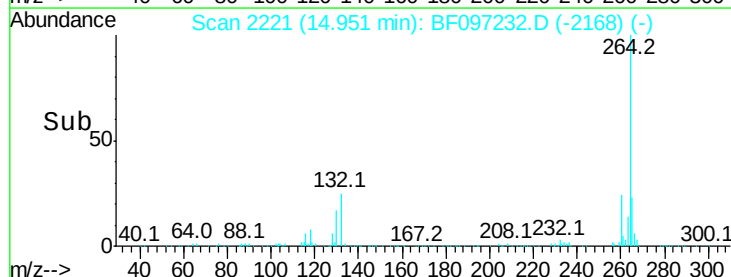


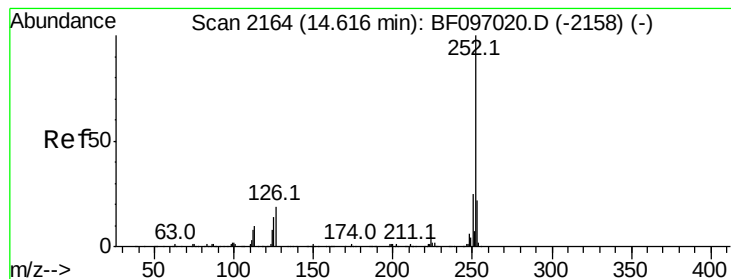
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 114.132 ng

RT: 14.60 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

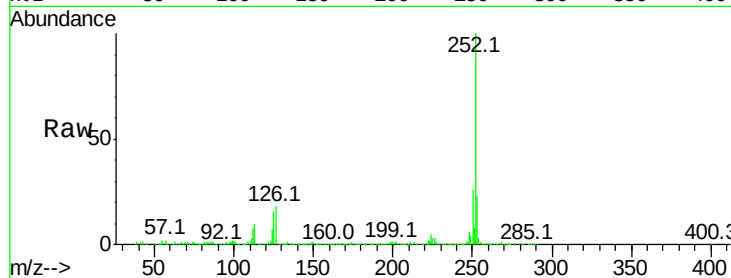
Tot Ion:252 Resp: 1169825

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

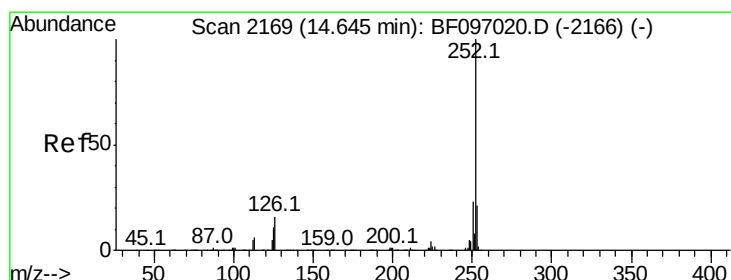
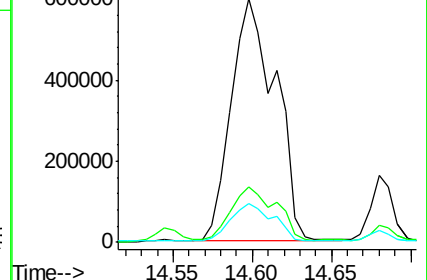
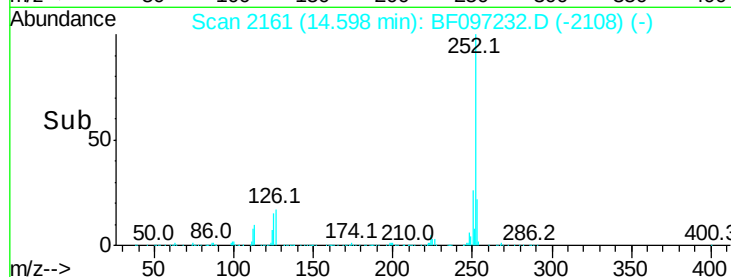
125 15.9 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 119.772 ng

RT: 14.60 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

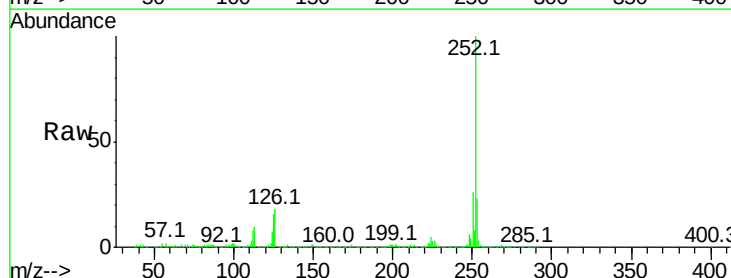
Tgt Ion:252 Resp: 1169825

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

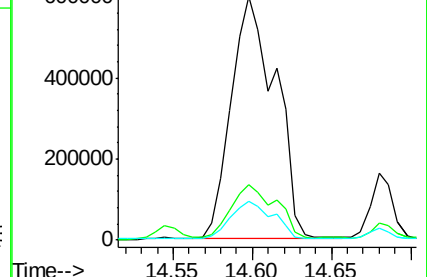
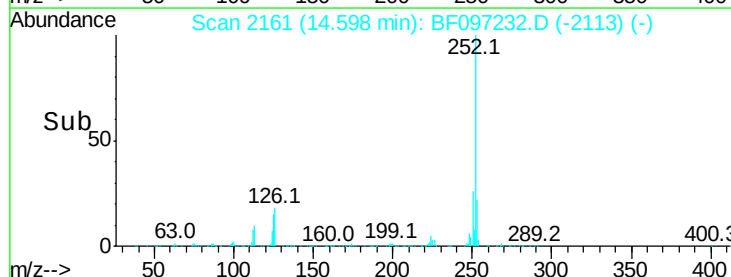
125 15.9 13.1 19.7

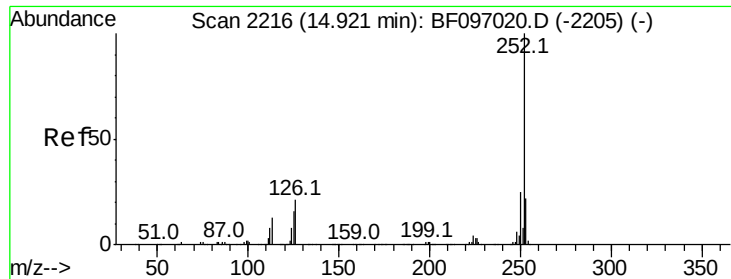


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 65.285 ng

RT: 14.90 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

Instrument :

BNA_F

ClientSampleId :

VNJ-227-230-235

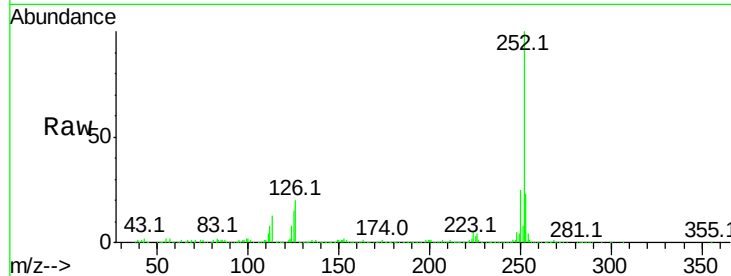
Tot Ion:252 Resp: 612428

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

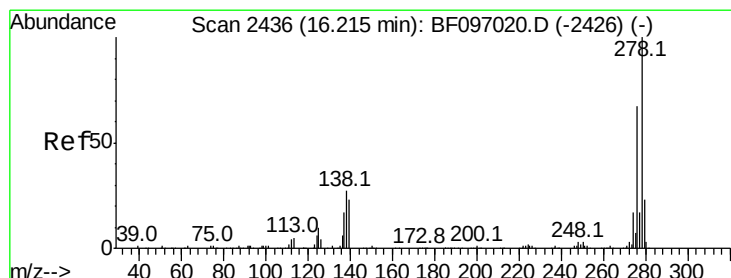
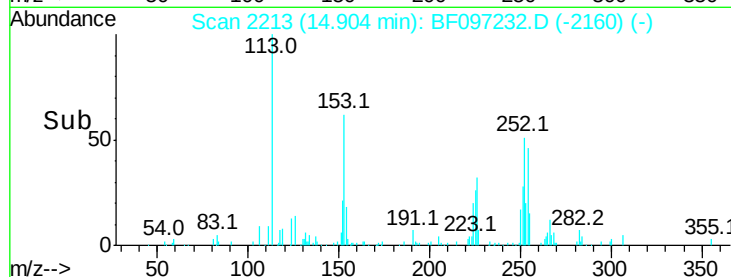
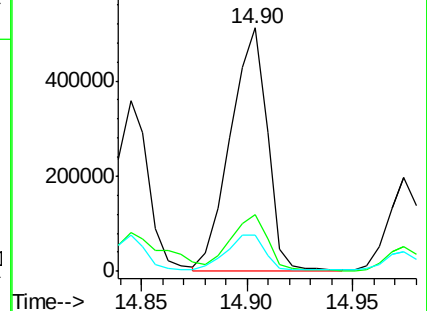
125 14.8 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 8.376 ng

RT: 16.30 min Scan# 2450

Delta R.T. 0.13 min

Lab File: BF097232.D

Acq: 1 Aug 2017 15:00

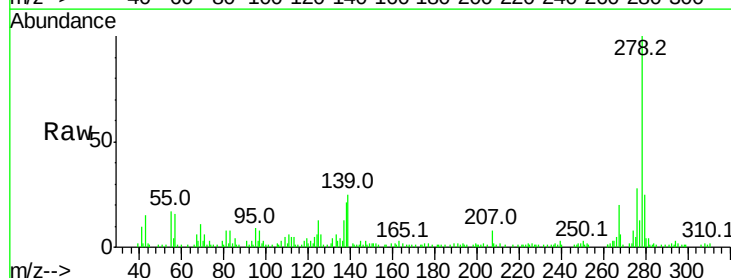
Tgt Ion:278 Resp: 64436

Ion Ratio Lower Upper

278 100

139 24.6 16.6 24.8

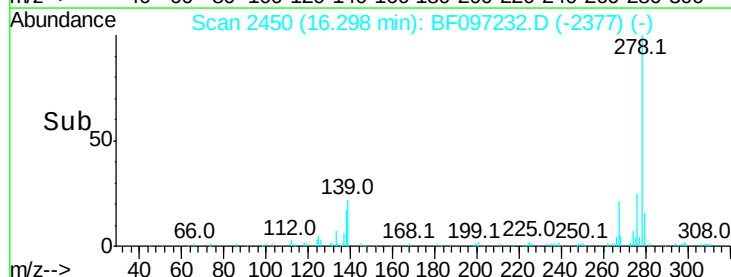
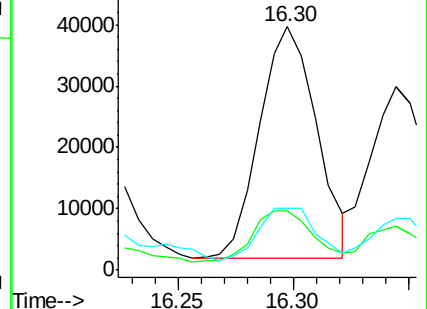
279 25.4 19.3 28.9

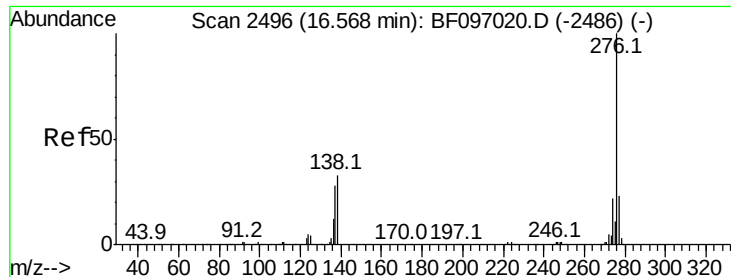


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 35.059 ng
 RT: 16.53 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BF097232.D
 Acq: 1 Aug 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227-230-235

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	30.9	25.4	38.0

