

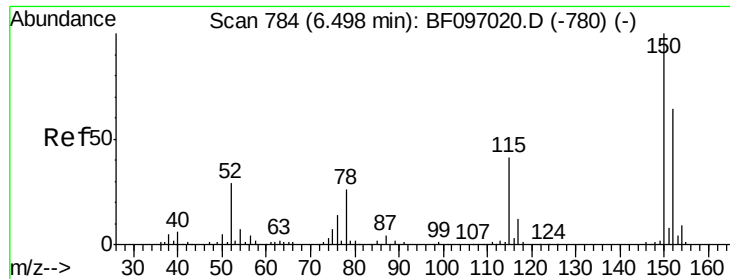
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097134.D
 Acq On : 27 Jul 2017 20:41
 Operator : SJ/JU
 Sample : I4442-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201-COMP

Quant Time: Jul 28 00:44:50 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	6.49	152	93701	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	400488	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	158263	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	257056	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	214114	20.00	ng	-0.02
86) Perylene-d12	14.96	264	181517	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	651001	104.73	ng	-0.01
7) Phenol-d6	6.15	99	784737	110.59	ng	-0.02
23) Nitrobenzene-d5	7.06	82	465743	68.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	140892	112.67	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	776407	83.26	ng	-0.02
78) Terphenyl-d14	12.57	244	542223	51.63	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	23705	2.82	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	7.06	70	61602	13.19	ng	# 88
25) Isophorone	7.06	82	464564	34.75	ng	# 67
49) Dimethylphthalate	9.25	163	108601	9.04	ng	98
56) 2,4-Dinitrotoluene	9.52	165	19692	6.72	ng	# 34
66) 4-Bromophenyl-phenylether	10.30	248	8756	3.41	ng	# 1
87) Benzo(b)fluoranthene	14.60	252	26513	2.43	ng	# 84
88) Benzo(k)fluoranthene	14.60	252	26513	2.55	ng	# 88

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

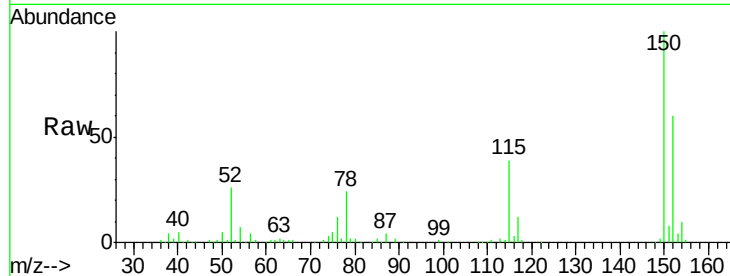


#1

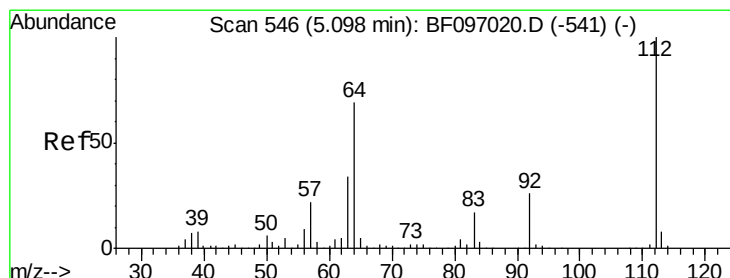
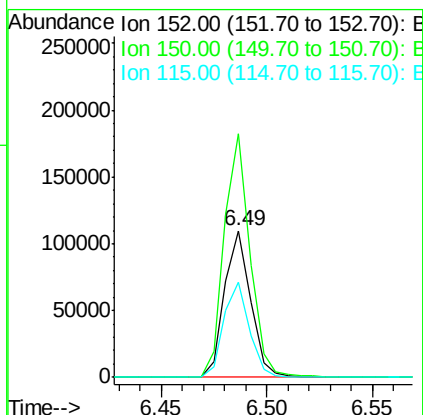
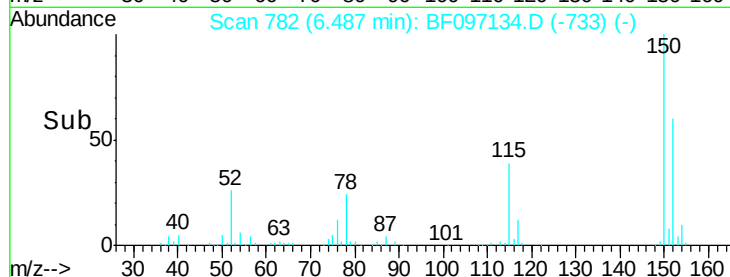
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Instrument :
BNA_F
ClientSampleId :
VNJ-201-COMP

Tot Ion:152 Resp: 93701
Ion Ratio Lower Upper
152 100
150 165.8 126.2 189.2
115 65.0 52.2 78.2



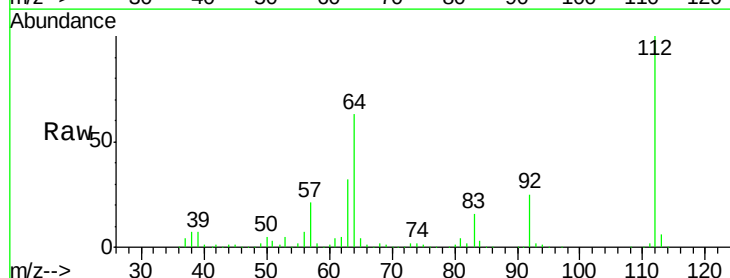
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



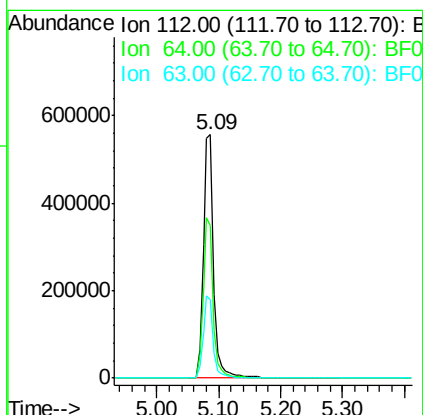
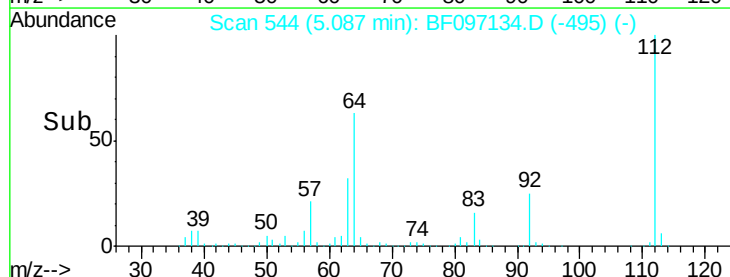
#5

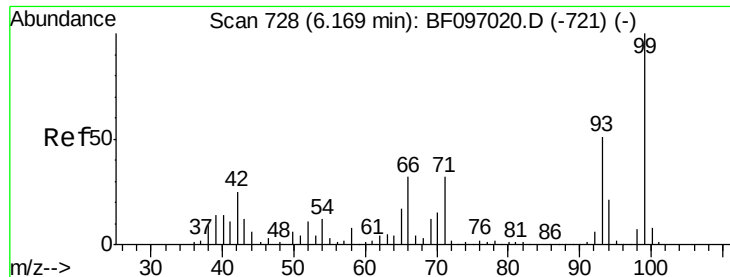
2-Fluorophenol
Concen: 104.73 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Tgt Ion:112 Resp: 651001
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 32.1 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: 110.59 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

Instrument :

BNA_F

ClientSampleId :

VNJ-201-COMP

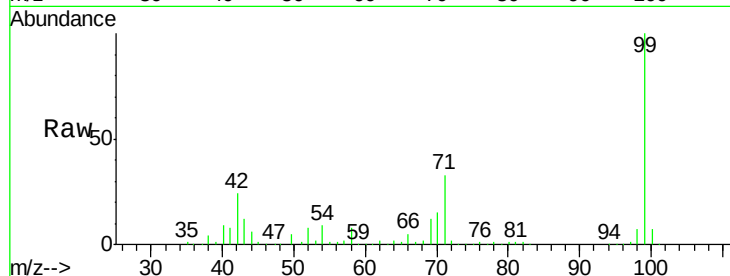
Tot Ion: 99 Resp: 784737

Ion Ratio Lower Upper

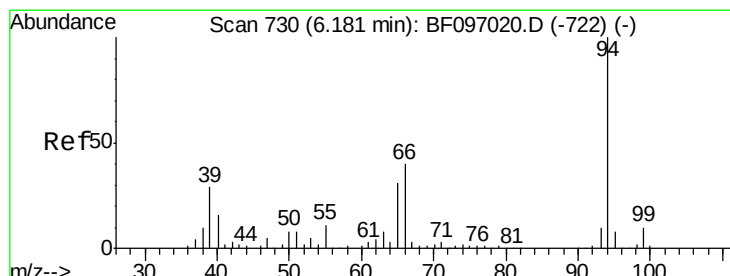
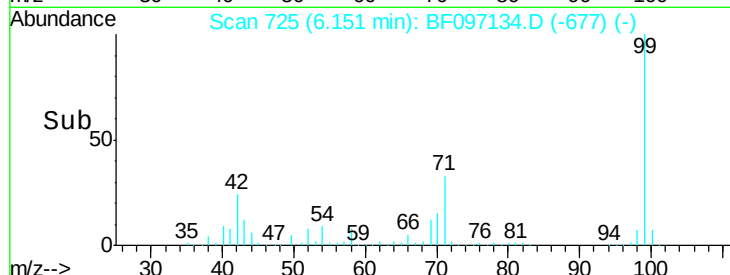
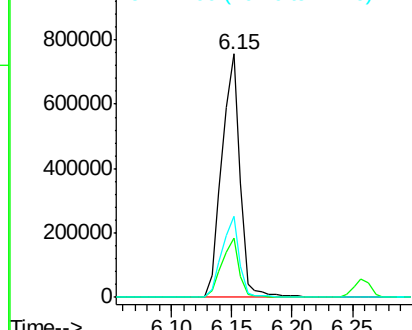
99 100

42 24.4 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



#10

Phenol

Concen: 2.82 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

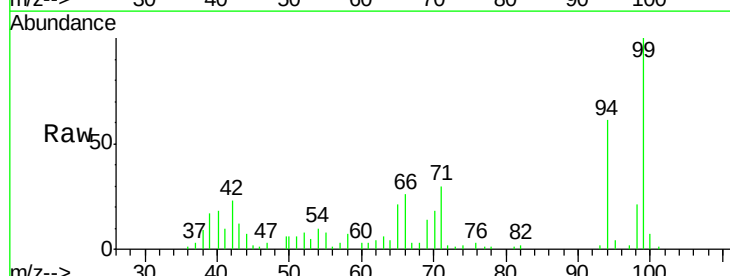
Tgt Ion: 94 Resp: 23705

Ion Ratio Lower Upper

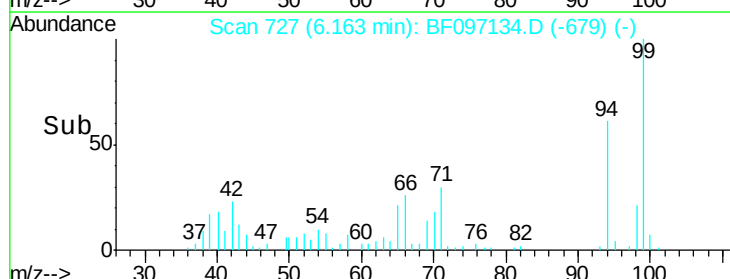
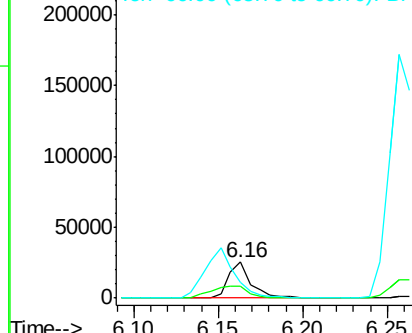
94 100

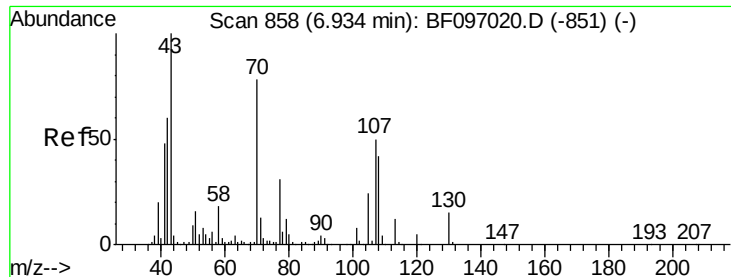
65 34.2 9.9 49.9

66 42.8 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

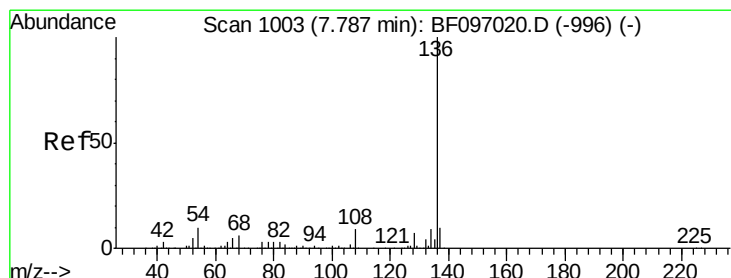
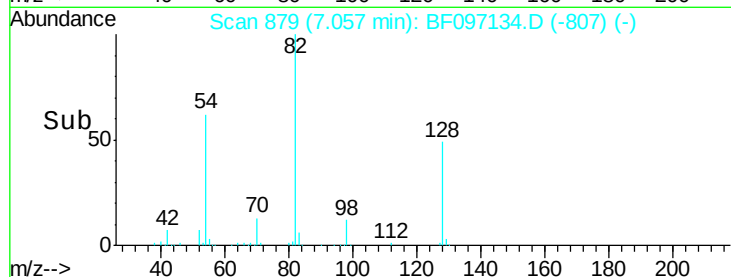
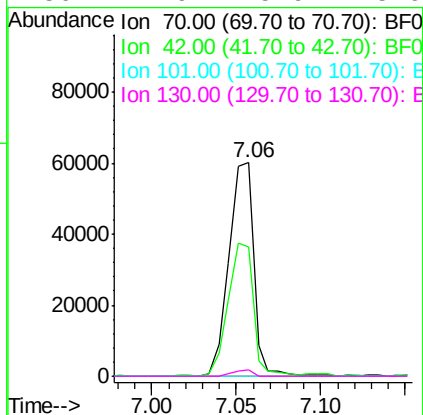
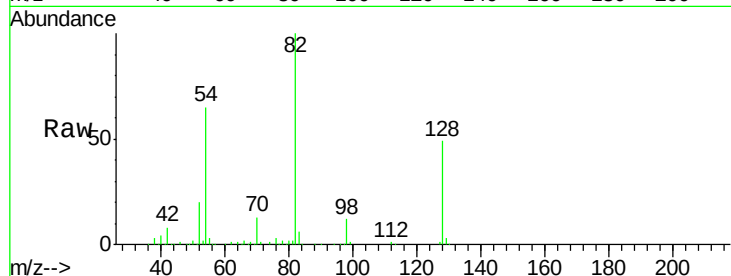




#19
n-Nitroso-di-n-propylamine
Concen: 13.19 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

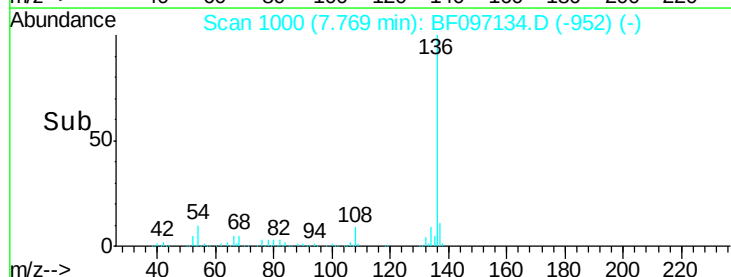
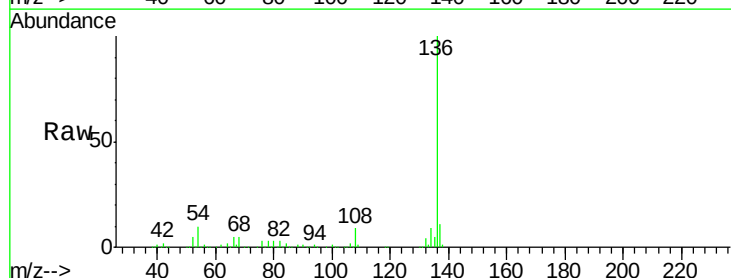
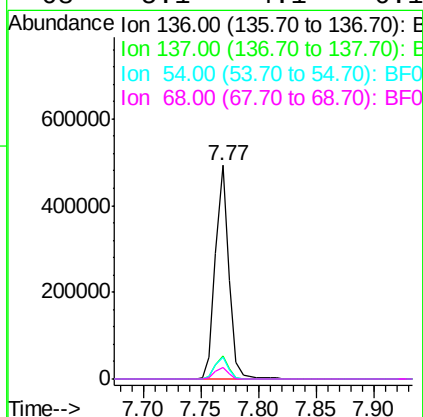
Instrument :
BNA_F
ClientSampleId :
VNJ-201-COMP

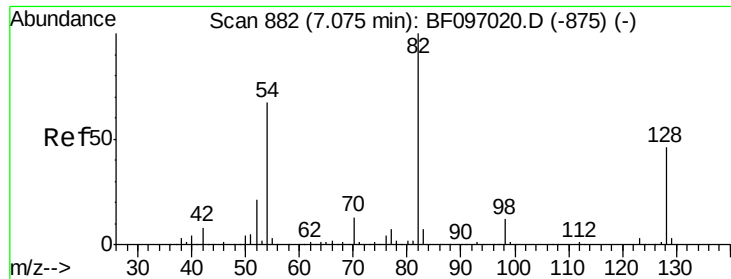
Tot Ion: 70 Resp: 61602
Ion Ratio Lower Upper
70 100
42 60.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Tgt Ion:136 Resp: 400488
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.0 4.9 7.3#
68 5.1 4.1 6.1

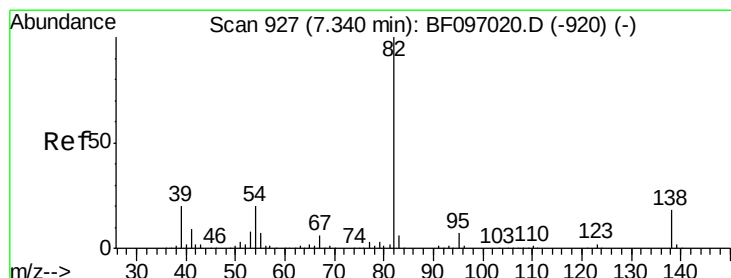
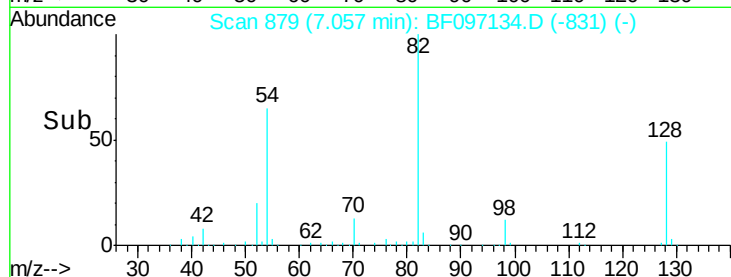
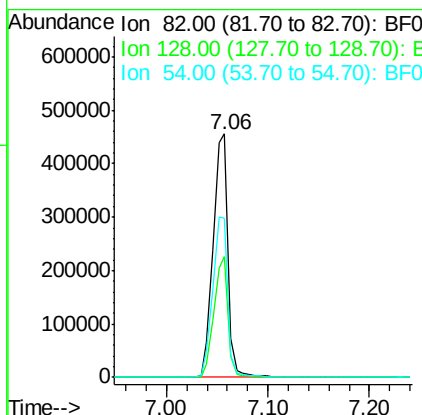
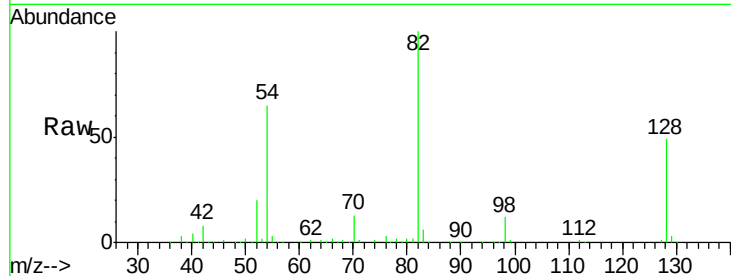




#23
 Nitrobenzene-d5
 Concen: 68.22 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

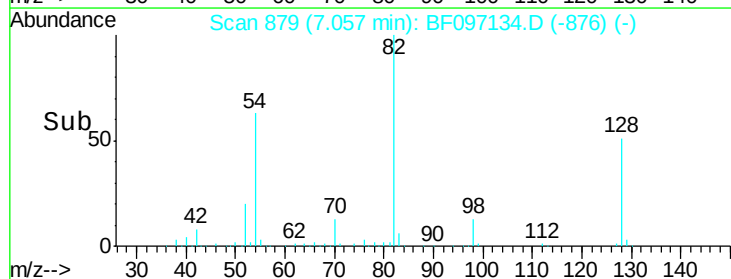
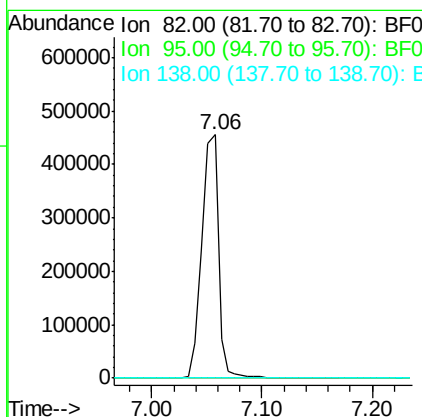
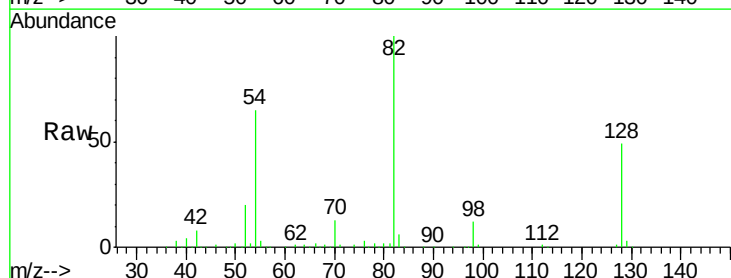
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201-COMP

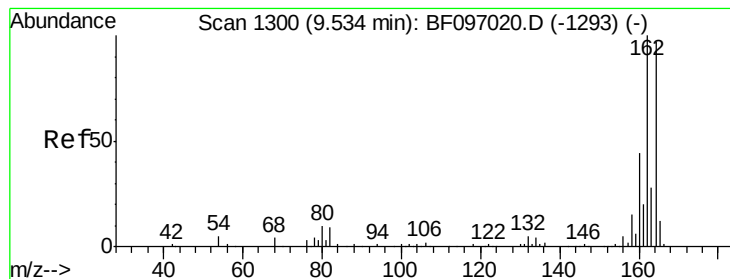
Tot Ion: 82 Resp: 465743
 Ion Ratio Lower Upper
 82 100
 128 49.4 34.0 51.0
 54 65.1 42.2 63.2#



#25
 Isophorone
 Concen: 34.75 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

Tgt Ion: 82 Resp: 464564
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

Instrument :

BNA_F

ClientSampleId :

VNJ-201-COMP

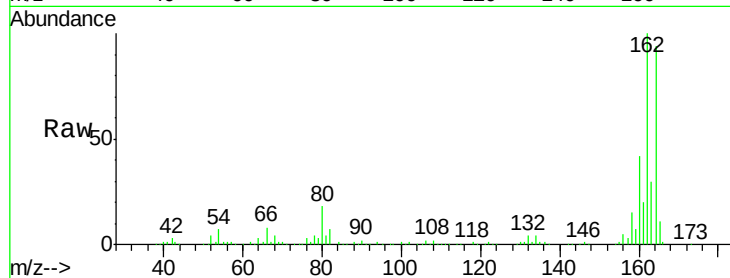
Tot Ion:164 Resp: 158263

Ion Ratio Lower Upper

164 100

162 106.8 82.6 123.8

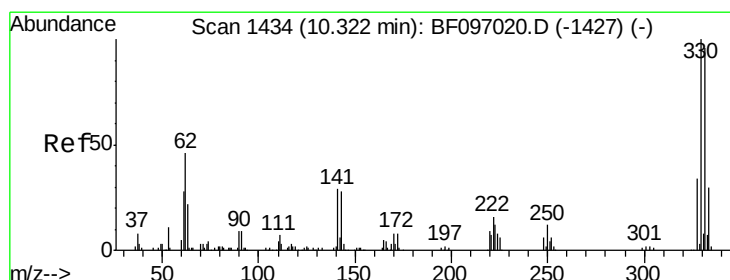
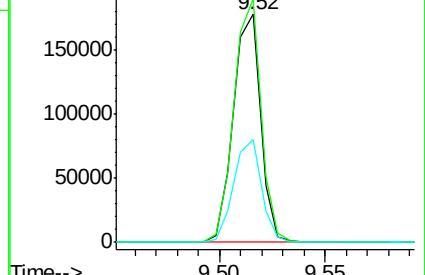
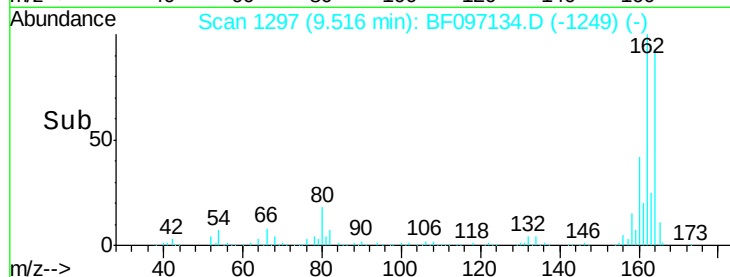
160 45.0 36.2 54.2



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: 112.67 ng

RT: 10.30 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

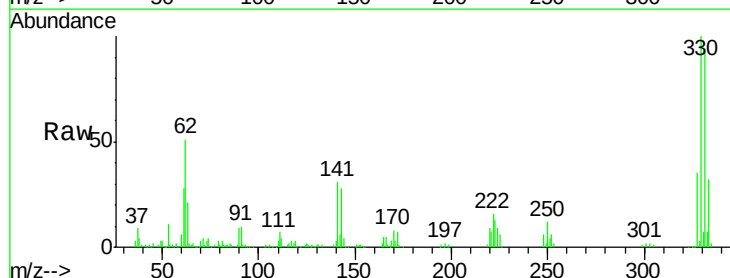
Tgt Ion:330 Resp: 140892

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

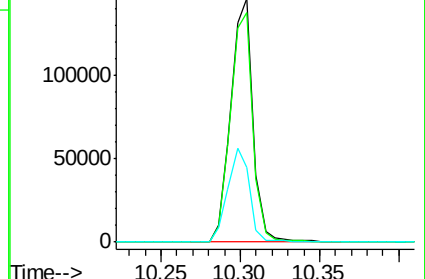
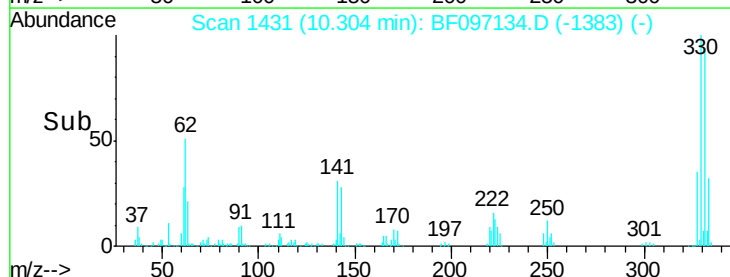
141 38.5 31.4 47.2

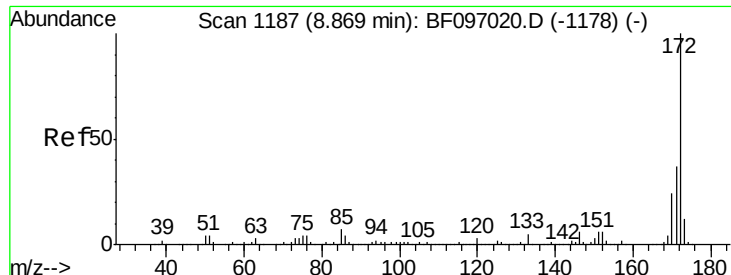


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

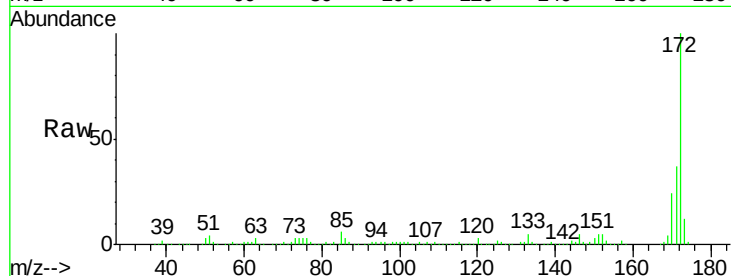




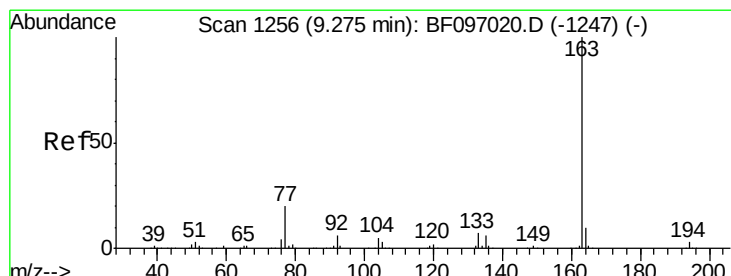
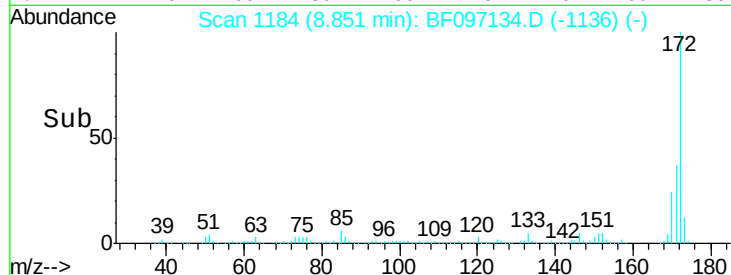
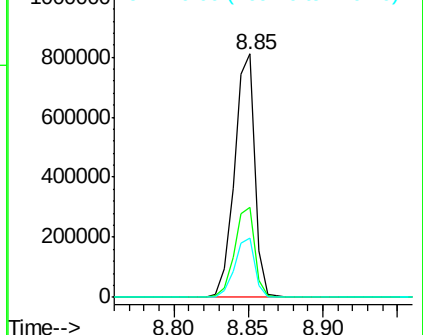
#44
2-Fluorobiphenyl
Concen: 83.26 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Instrument :
BNA_F
ClientSampleId :
VNJ-201-COMP

Tot Ion:172 Resp: 776407
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.4 19.8 29.8

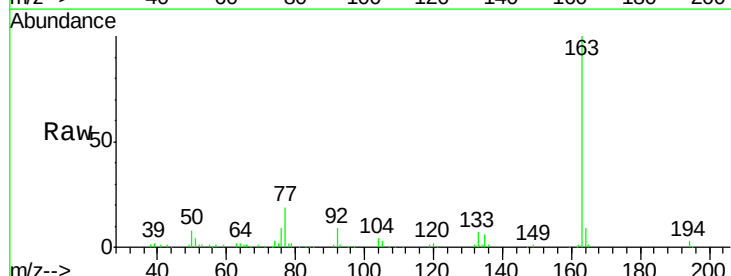


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

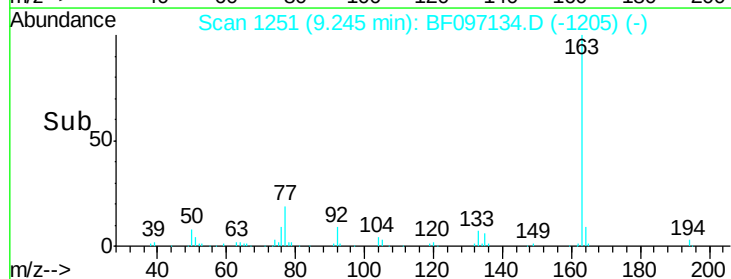
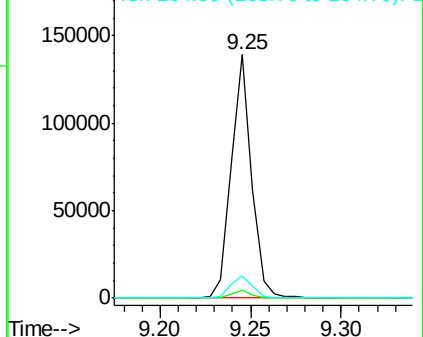


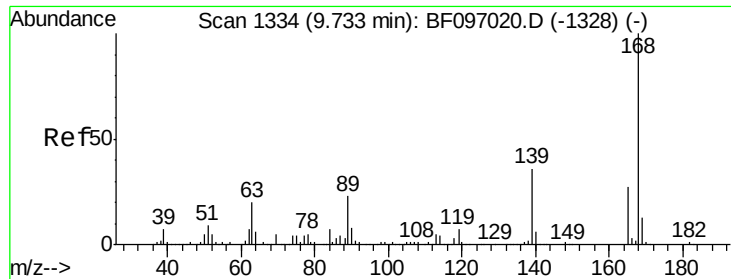
#49
Dimethylphthalate
Concen: 9.04 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Tgt Ion:163 Resp: 108601
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.3 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

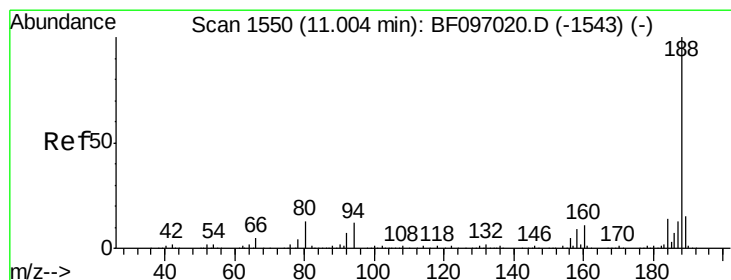
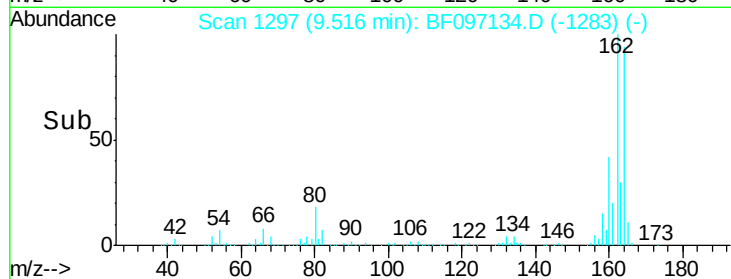
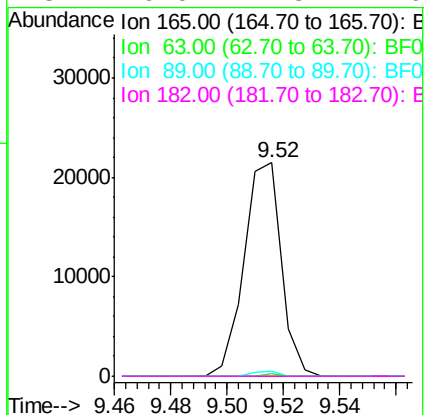
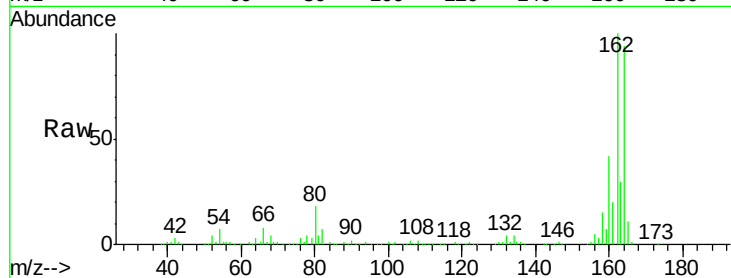




#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

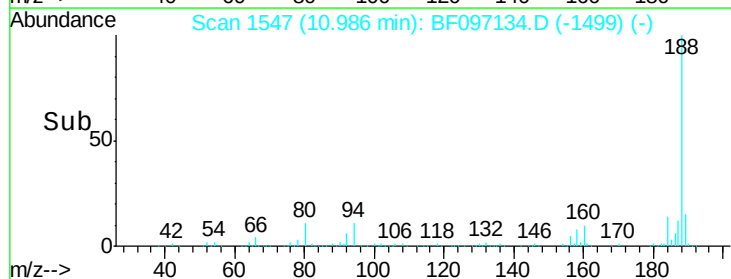
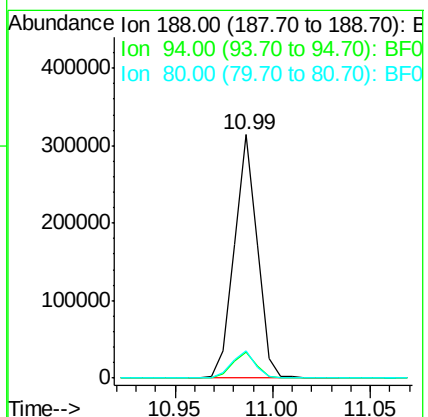
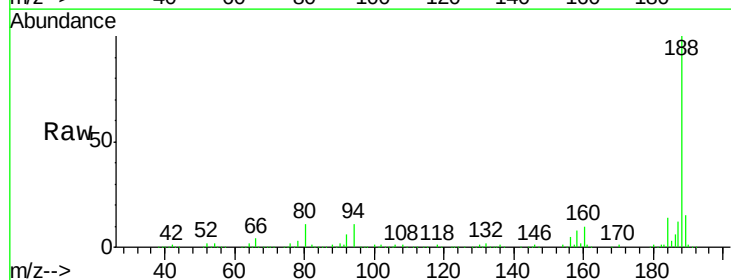
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201-COMP

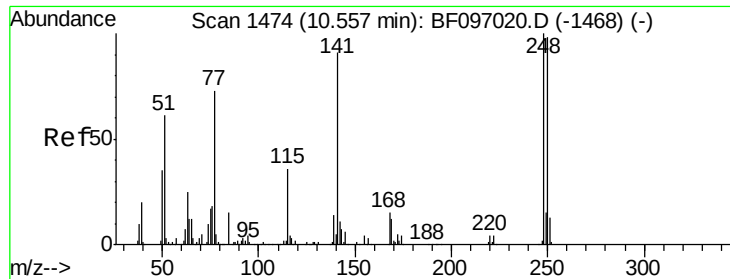
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.3	10.2	15.2

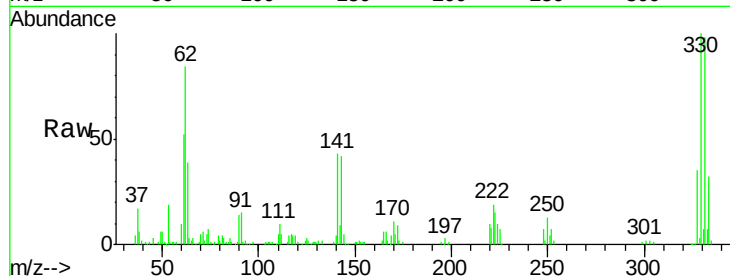




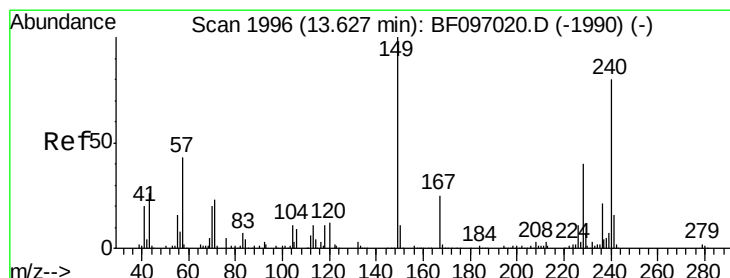
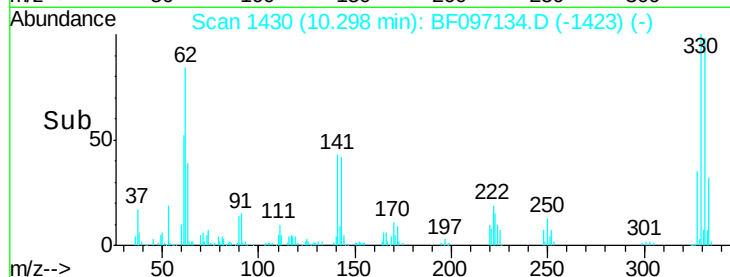
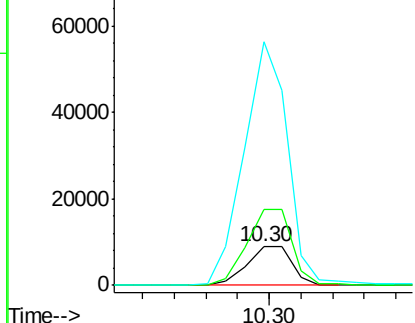
#66
 4-Bromophenyl-phenylether
 Concen: 3.41 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201-COMP

Tot Ion:248 Resp: 8756
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.8 115.2#
 141 628.4 68.6 103.0#

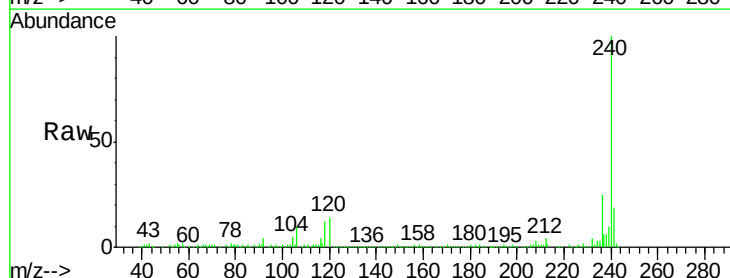


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

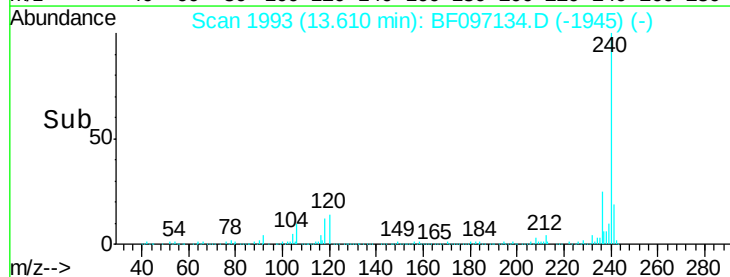
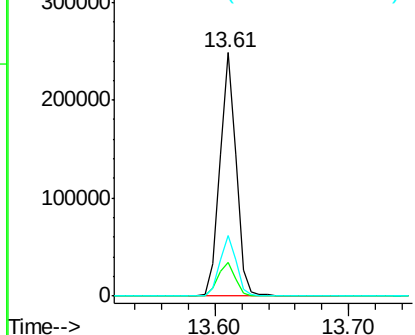


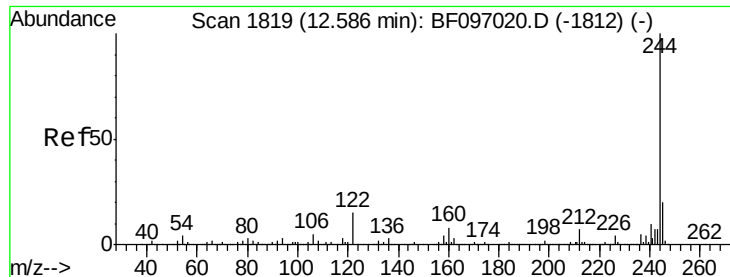
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.61 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097134.D
 Acq: 27 Jul 2017 20:41

Tgt Ion:240 Resp: 214114
 Ion Ratio Lower Upper
 240 100
 120 14.0 5.8 8.8#
 236 25.0 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





#78

Terphenyl-d14

Concen: 51.63 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

Instrument :

BNA_F

ClientSampleId :

VNJ-201-COMP

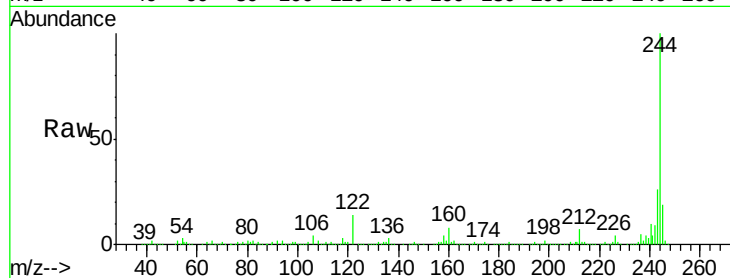
Tot Ion:244 Resp: 542223

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

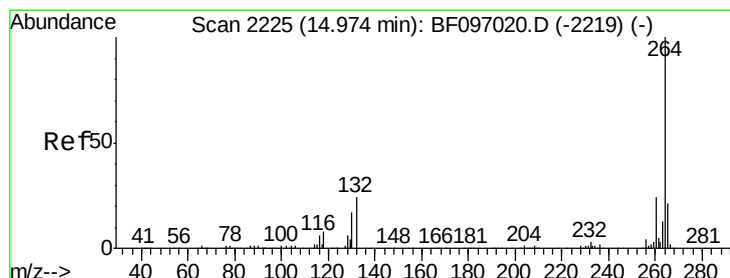
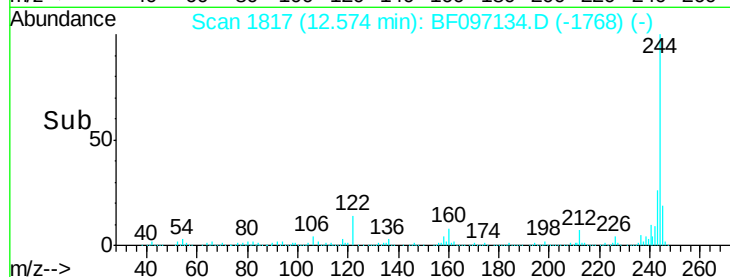
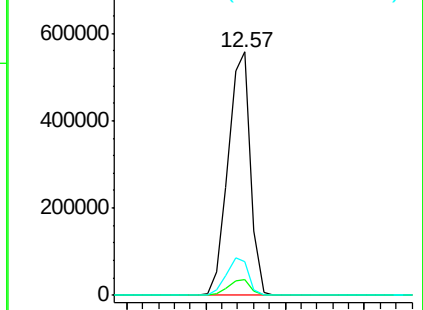
122 13.7 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.96 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF097134.D

Acq: 27 Jul 2017 20:41

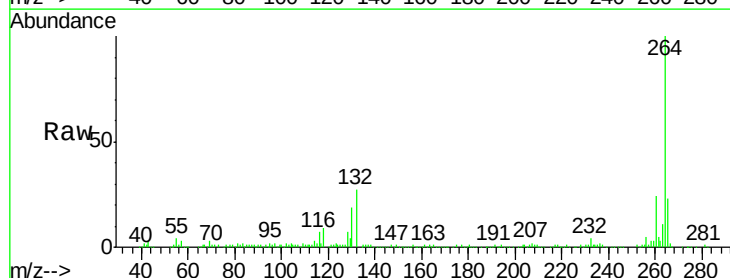
Tgt Ion:264 Resp: 181517

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

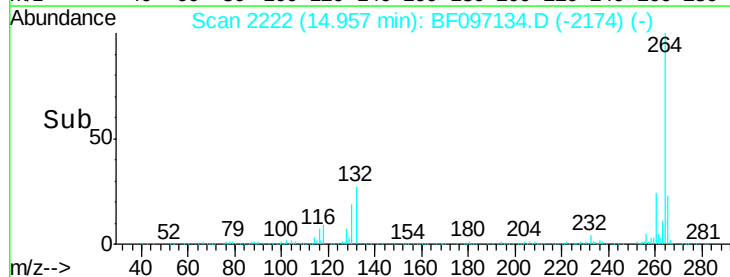
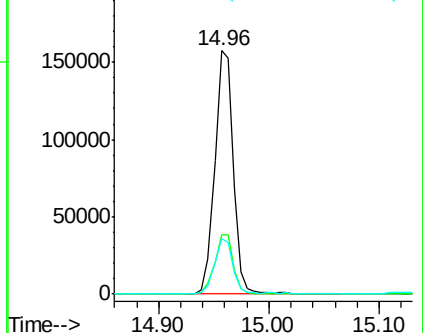
265 22.8 17.2 25.8

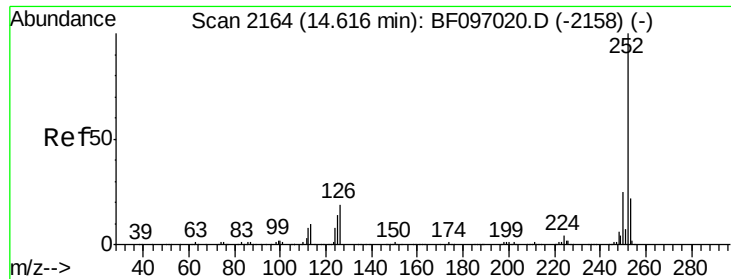


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

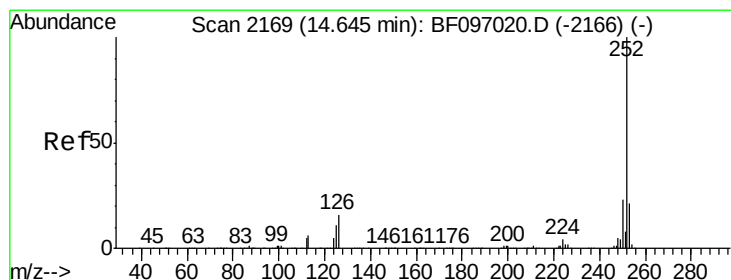
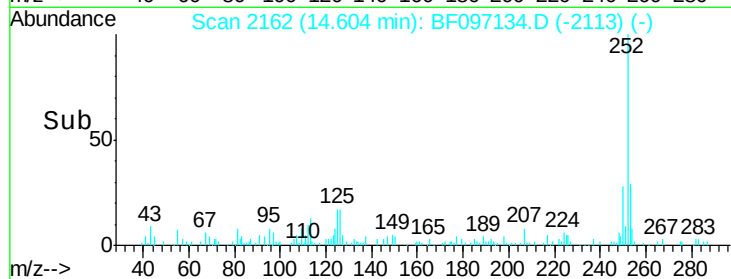
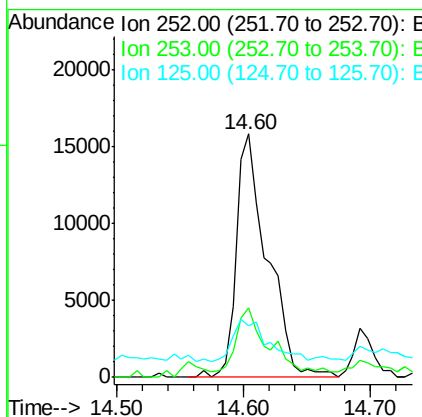
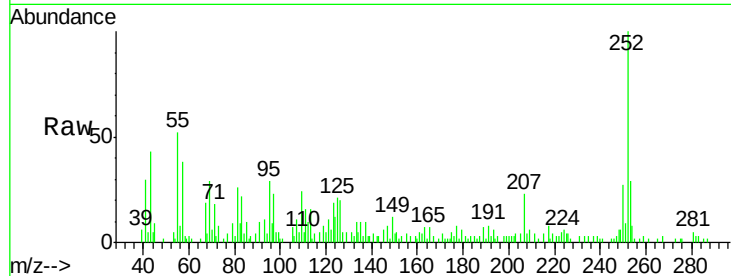




#87
Benzo(b)fluoranthene
Concen: 2.43 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Instrument :
BNA_F
ClientSampleId :
VNJ-201-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.1	27.1#
125	21.3	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 2.55 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097134.D
Acq: 27 Jul 2017 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.4	27.6#
125	21.3	13.1	19.7#

