

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097034.D
 Acq On : 25 Jul 2017 17:40
 Operator : SJ/JU
 Sample : I4402-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

Quant Time: Jul 26 01:03:37 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

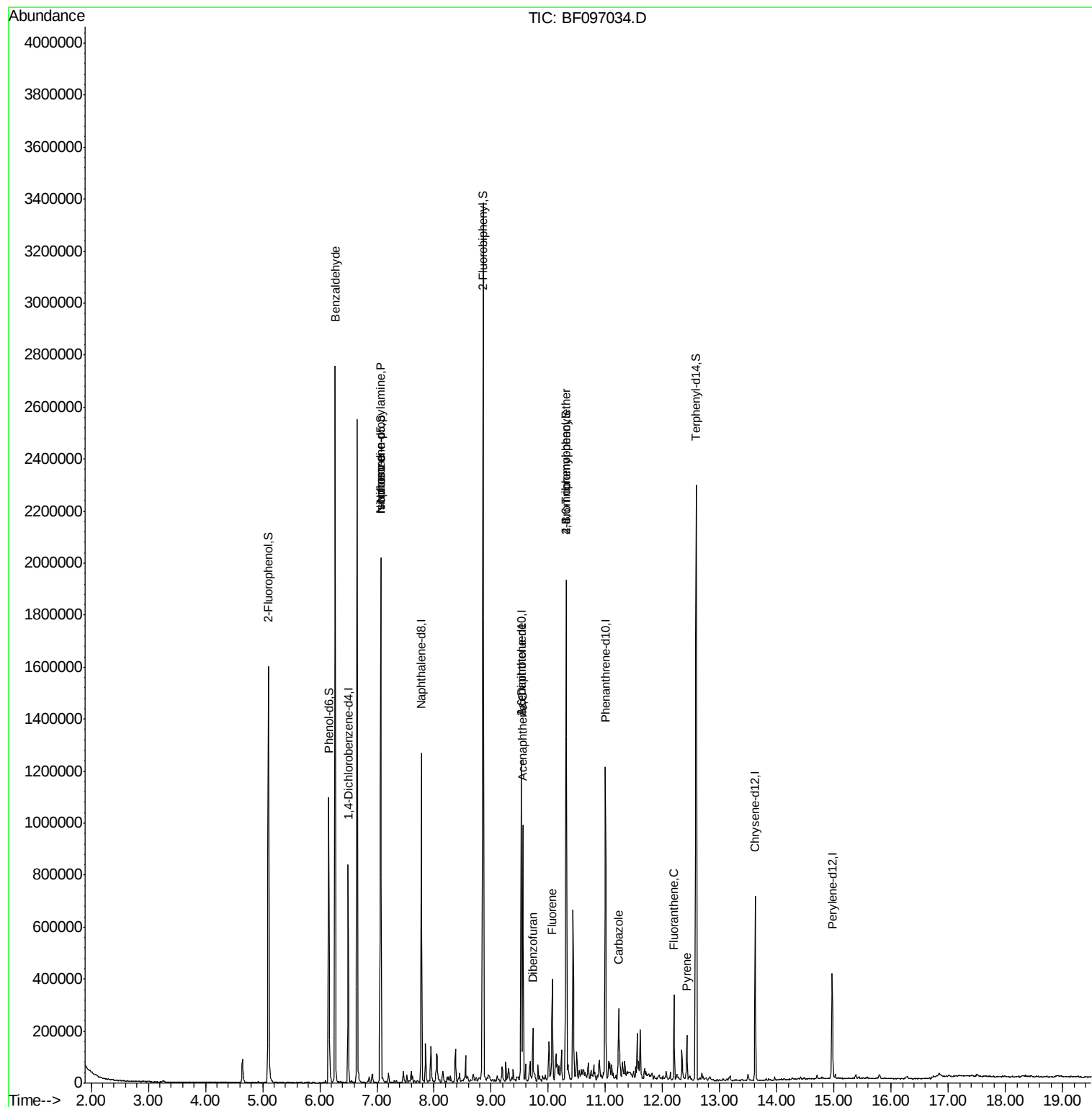
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	128659	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	564452	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	255872	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	405567	20.00	ng	0.00
75) Chrysene-d12	13.62	240	236345	20.00	ng	0.00
86) Perylene-d12	14.97	264	157498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	477113	55.90	ng	0.00
7) Phenol-d6	6.16	99	367035	37.67	ng	-0.01
23) Nitrobenzene-d5	7.07	82	709835	73.77	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	245742	121.56	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1311070	86.96	ng	0.00
78) Terphenyl-d14	12.59	244	835815	72.10	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	16872	2.93	ng	# 79
19) n-Nitroso-di-n-propylamine	7.07	70	95499	14.89	ng	# 86
25) Isophorone	7.07	82	691301	36.69	ng	# 67
50) 2,6-Dinitrotoluene	9.53	165	31923	7.75	ng	# 34
51) Acenaphthene	9.56	154	209097	14.38	ng	99
54) Dibenzofuran	9.73	168	72764	3.76	ng	99
57) Fluorene	10.07	166	95539	6.56	ng	# 97
66) 4-Bromophenyl-phenylether	10.32	248	15115	3.73	ng	# 1
72) Carbazole	11.23	167	80820	3.69	ng	96
74) Fluoranthene	12.20	202	129065	6.06	ng	96
77) Pyrene	12.43	202	59487	3.07	ng	98

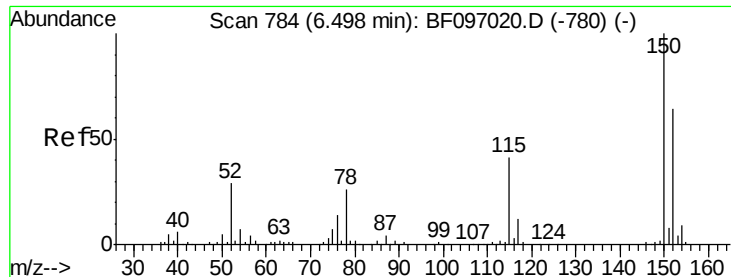
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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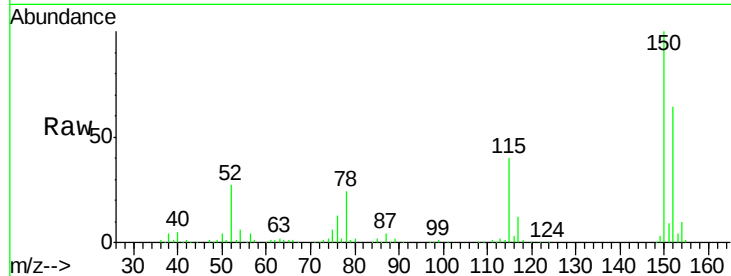


#1

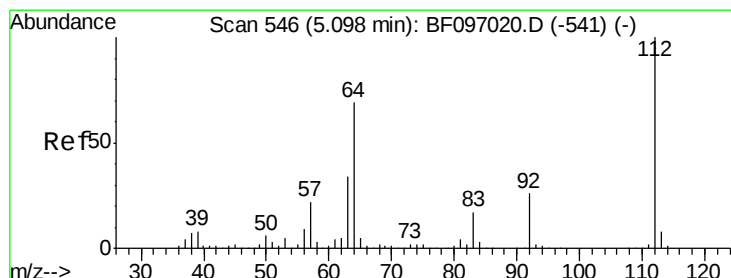
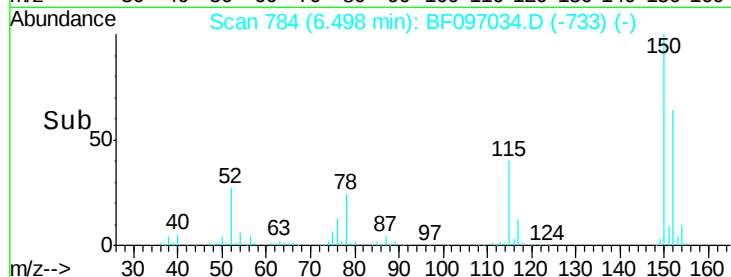
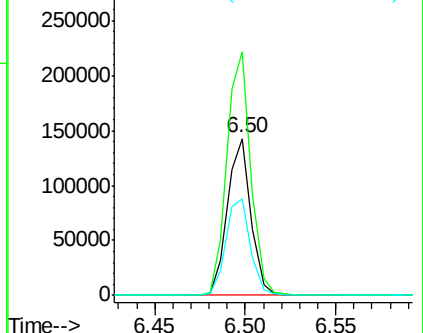
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-260783

Tot Ion:152 Resp: 128659
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 61.6 52.2 78.2



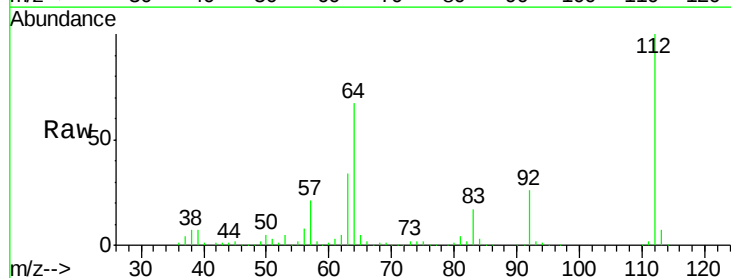
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



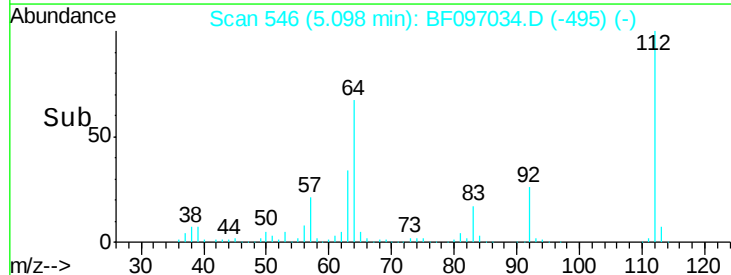
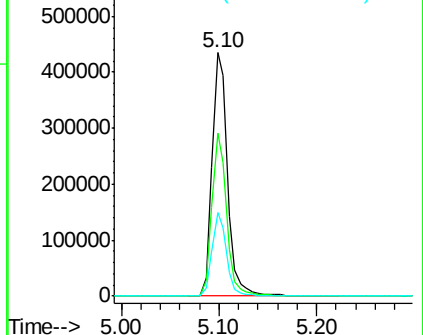
#5

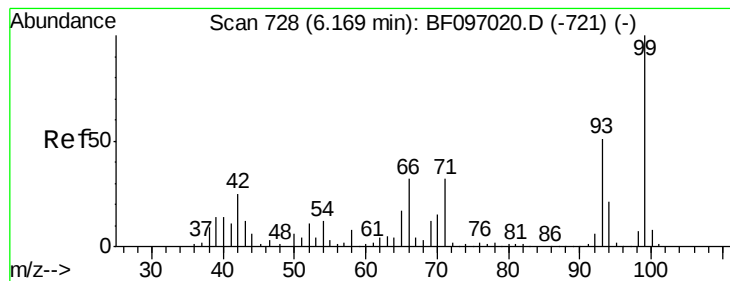
2-Fluorophenol
Concen: 55.90 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion:112 Resp: 477113
Ion Ratio Lower Upper
112 100
64 67.0 46.0 69.0
63 34.4 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: 37.67 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

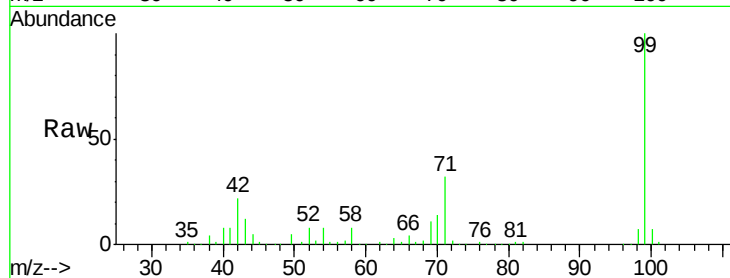
Tot Ion: 99 Resp: 367035

Ion Ratio Lower Upper

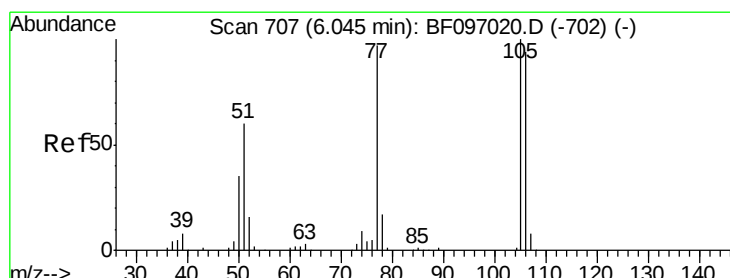
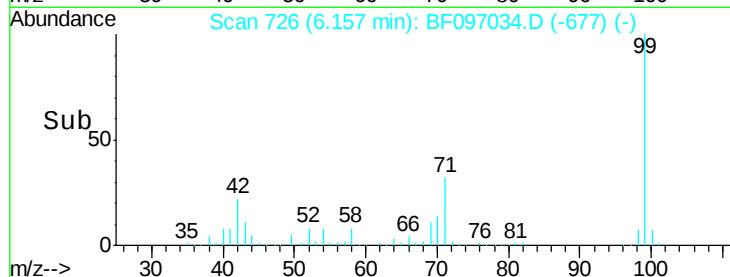
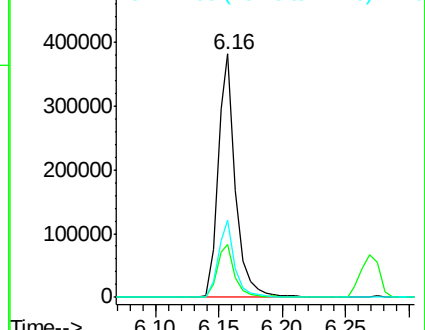
99 100

42 21.5 13.5 20.3#

71 31.7 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



#9

Benzaldehyde

Concen: 2.93 ng

RT: 6.27 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

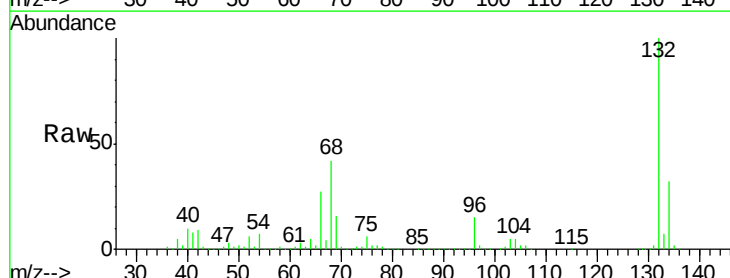
Tgt Ion: 77 Resp: 16872

Ion Ratio Lower Upper

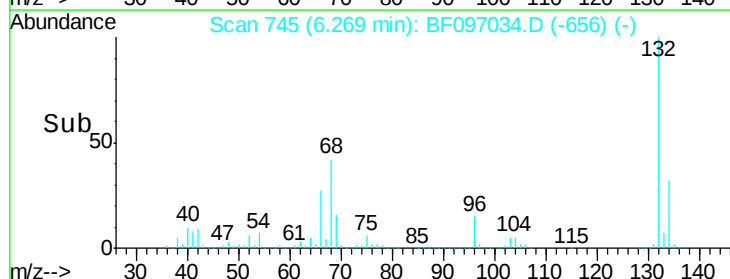
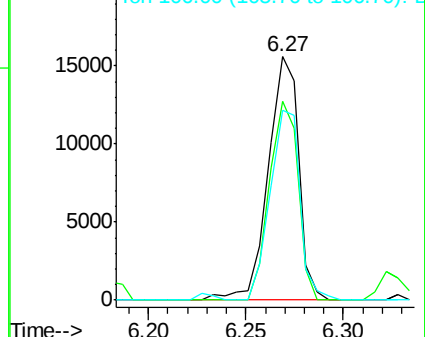
77 100

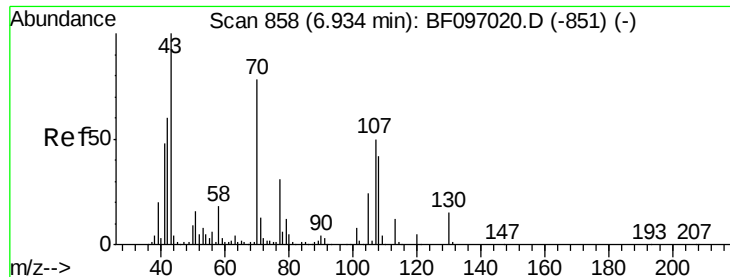
105 81.8 83.8 123.8#

106 78.2 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

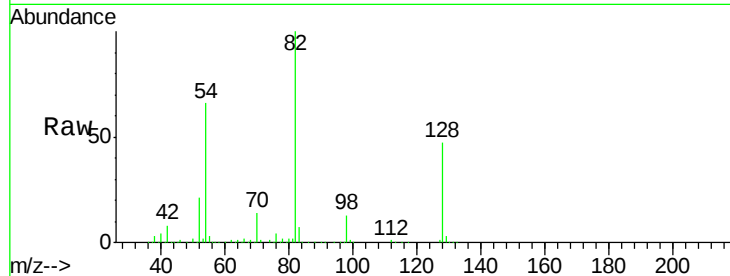




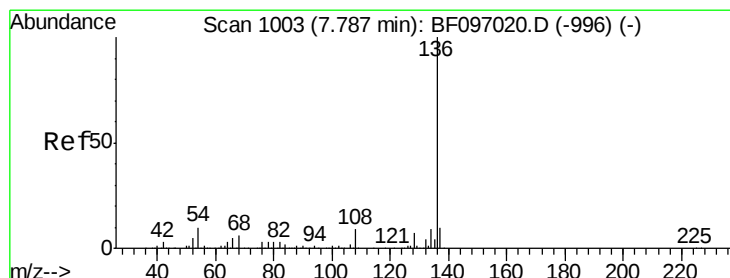
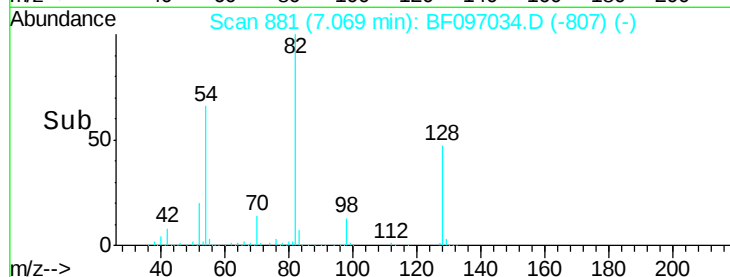
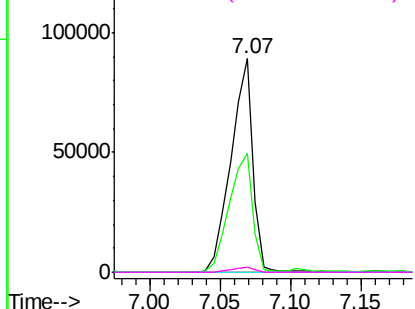
#19
n-Nitroso-di-n-propylamine
Concen: 14.89 ng
RT: 7.07 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-260783

Tot Ion: 70 Resp: 95499
Ion Ratio Lower Upper
70 100
42 55.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#

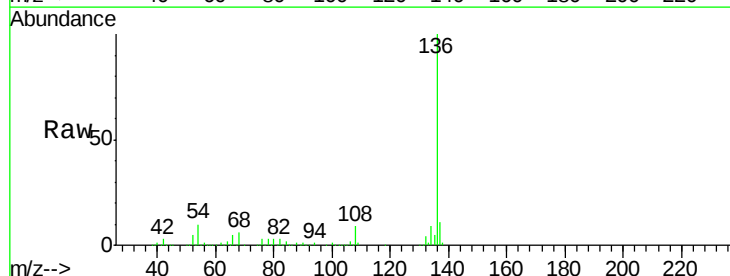


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

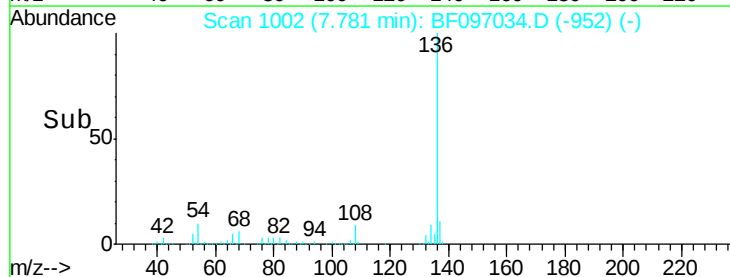
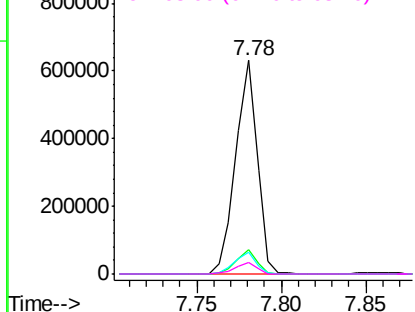


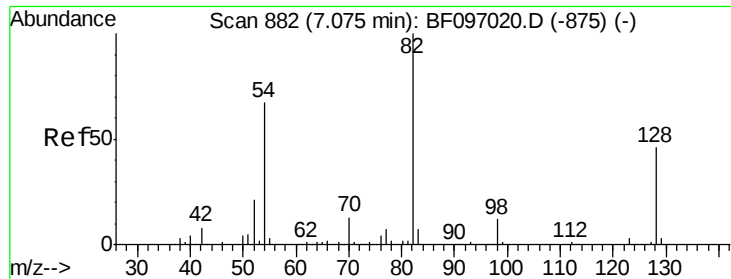
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion:136 Resp: 564452
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.1 4.9 7.3#
68 5.7 4.1 6.1



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

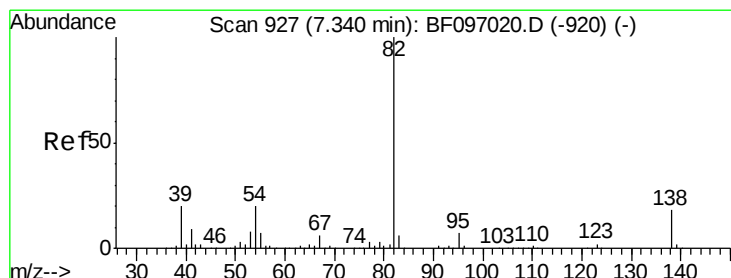
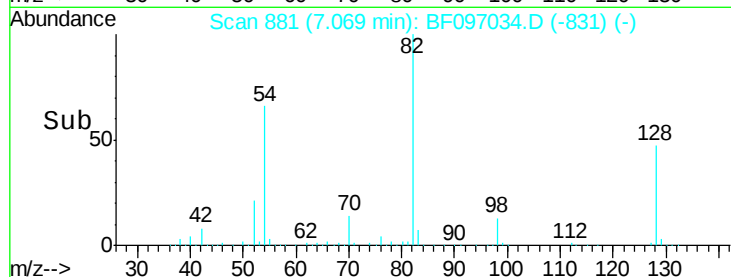
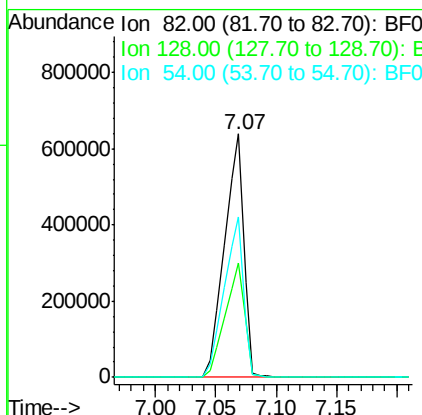
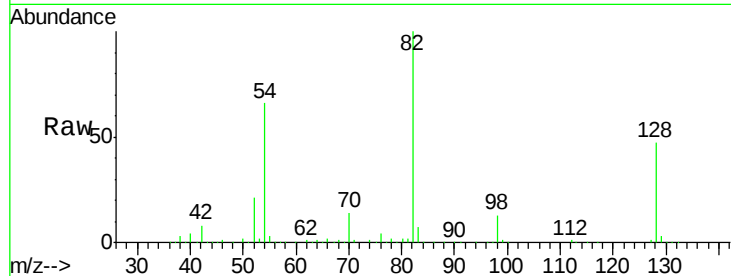




#23
Nitrobenzene-d5
Concen: 73.77 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

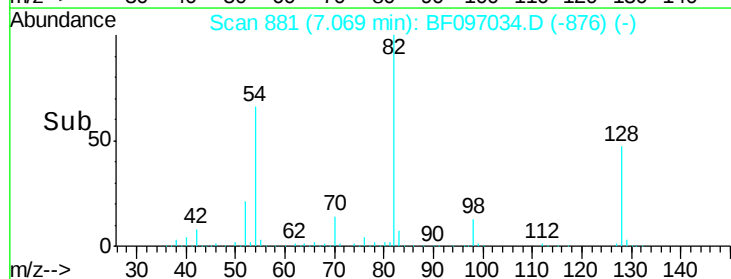
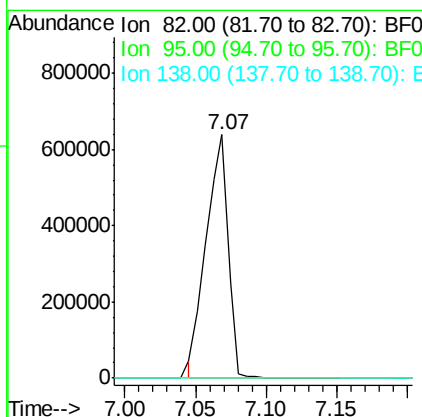
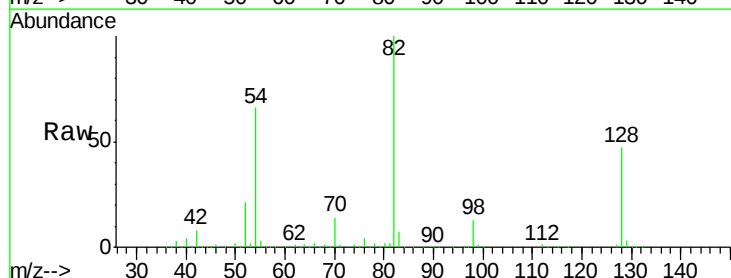
Instrument :
BNA_F
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FRAC-TANK-260783

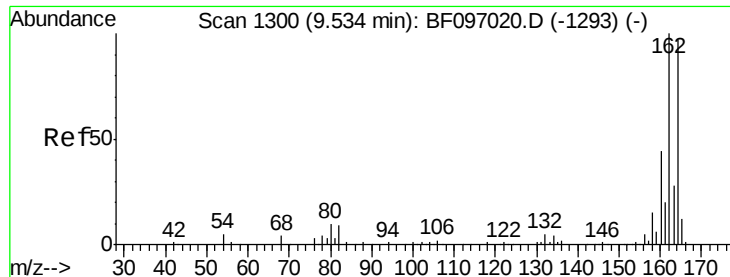
Tot Ion: 82 Resp: 709835
Ion Ratio Lower Upper
82 100
128 47.0 34.0 51.0
54 65.7 42.2 63.2#



#25
Isophorone
Concen: 36.69 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion: 82 Resp: 691301
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: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

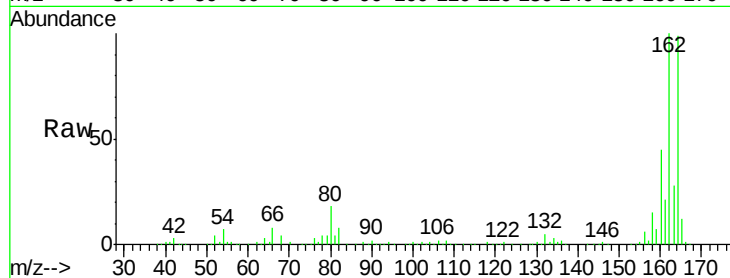
Tot Ion:164 Resp: 255872

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

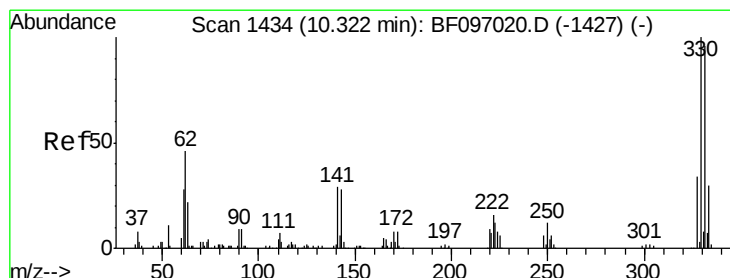
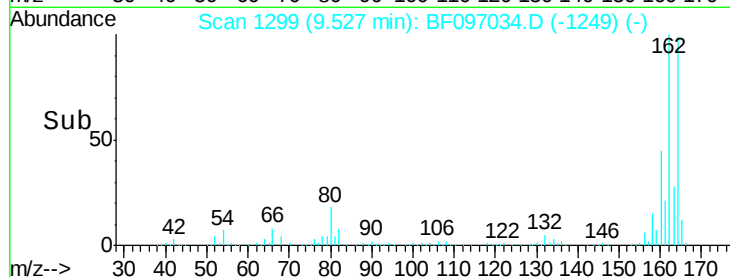
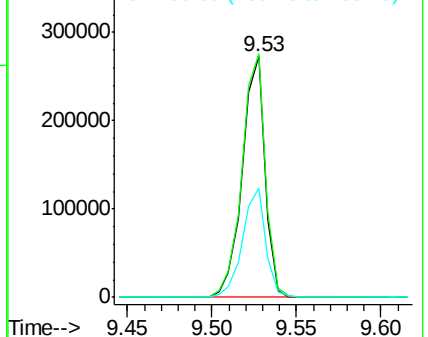
160 45.7 36.2 54.2



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: 121.56 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

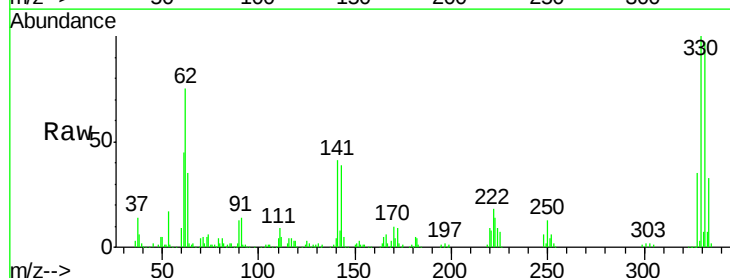
Tgt Ion:330 Resp: 245742

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

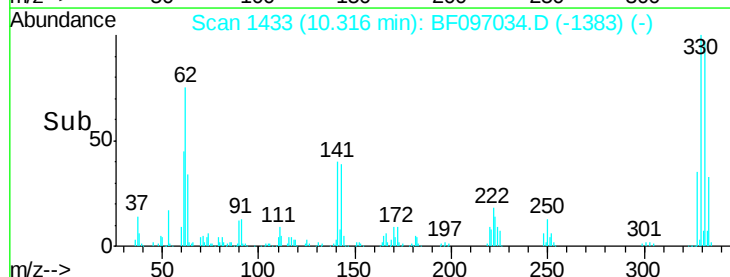
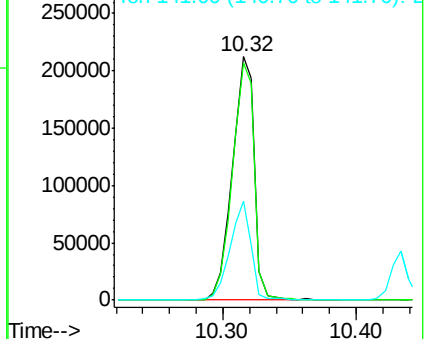
141 38.9 31.4 47.2

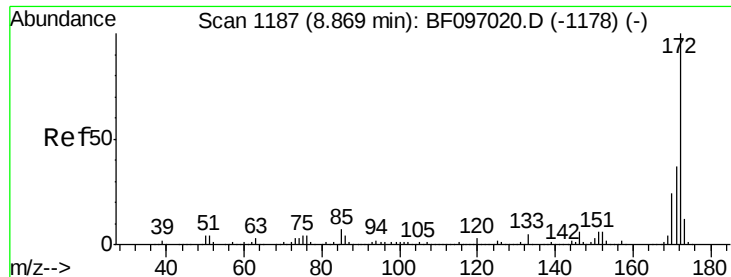


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

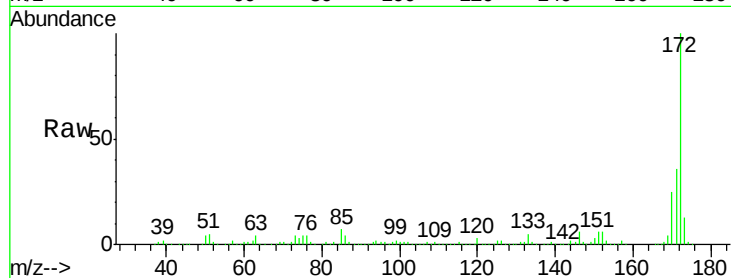




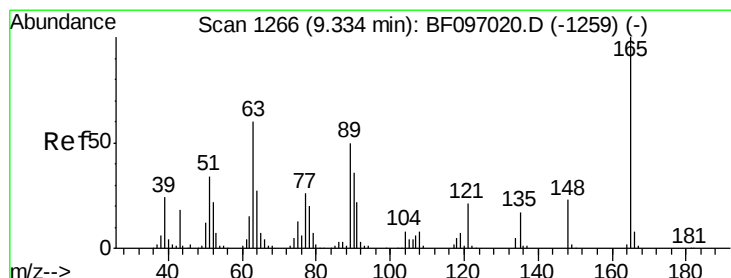
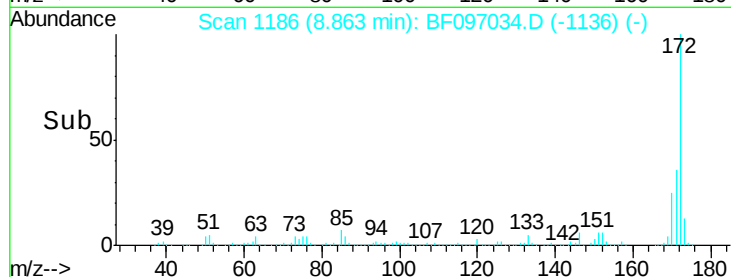
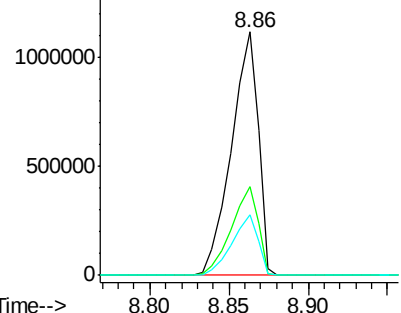
#44
 2-Fluorobiphenyl
 Concen: 86.96 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Instrument :
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Tot Ion:172 Resp: 1311070
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.7 19.8 29.8

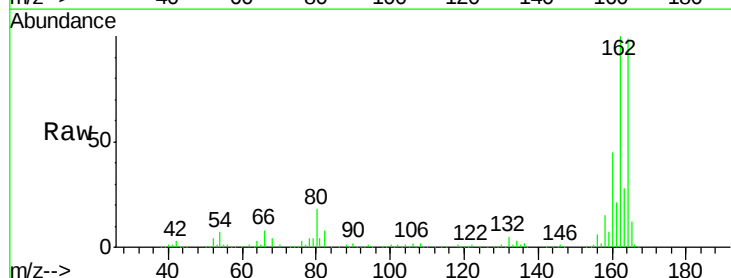


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

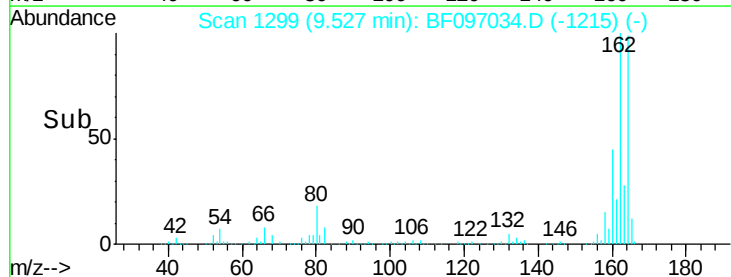
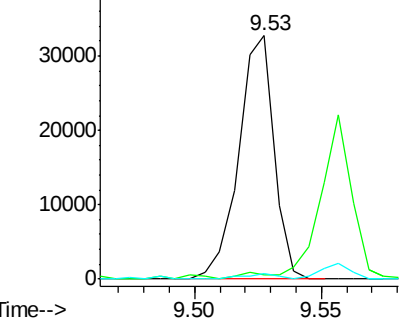


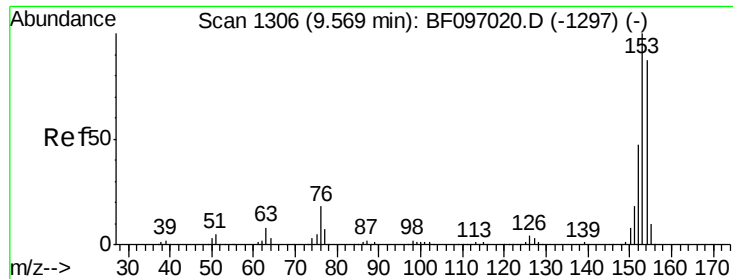
#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Tgt Ion:165 Resp: 31923
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 2.1 37.1 55.7#



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





#51

Acenaphthene

Concen: 14.38 ng

RT: 9.56 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

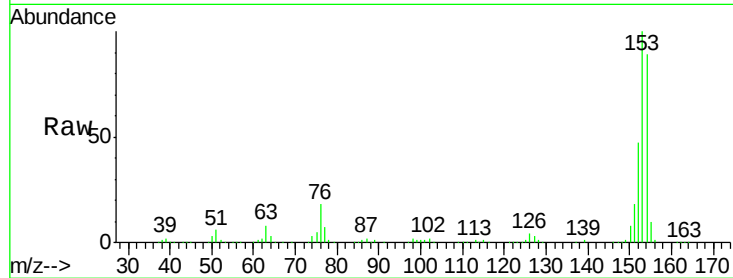
Tot Ion:154 Resp: 209097

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

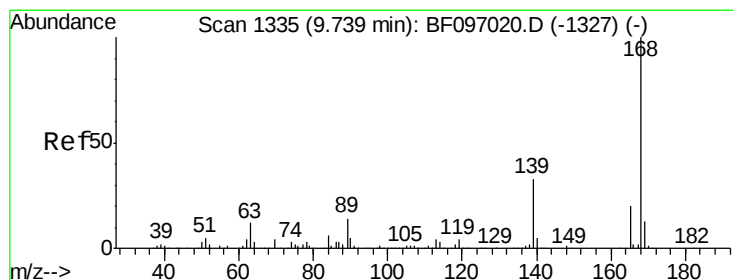
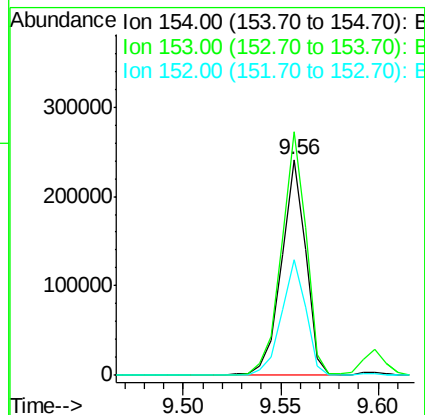
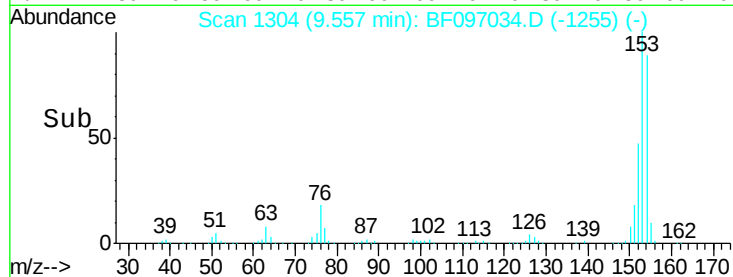
152 53.4 43.6 65.4



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: 3.76 ng

RT: 9.73 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

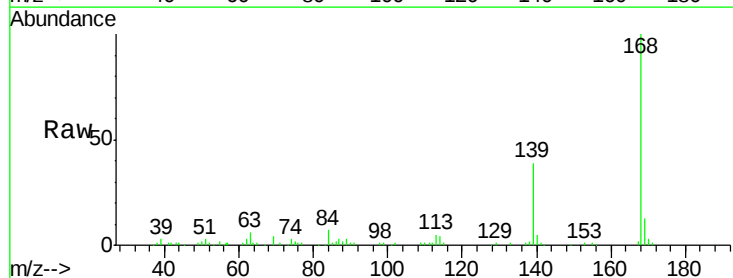
Tgt Ion:168 Resp: 72764

Ion Ratio Lower Upper

168 100

139 39.2 30.6 45.8

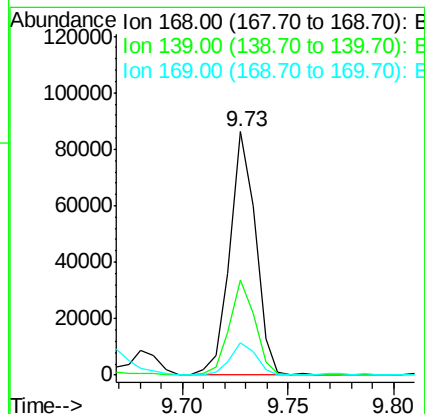
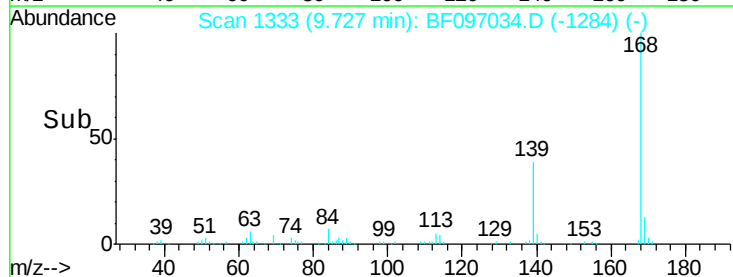
169 13.2 10.8 16.2

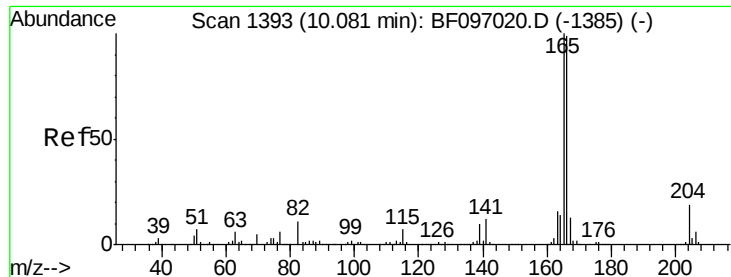


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

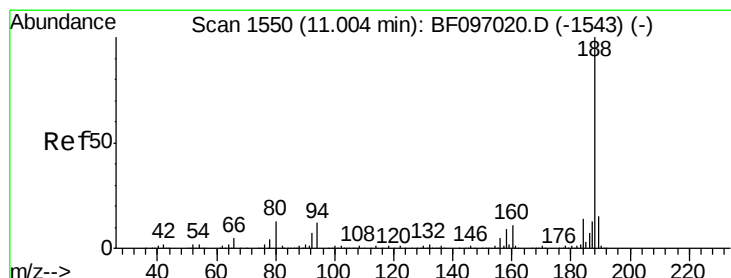
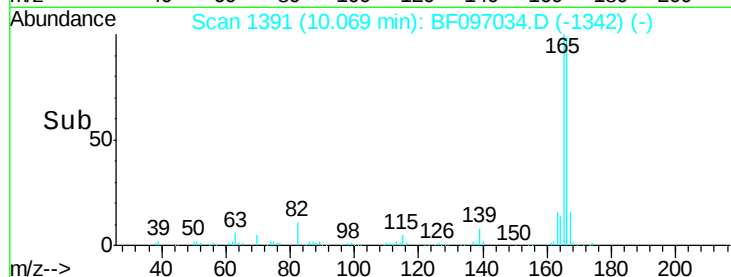
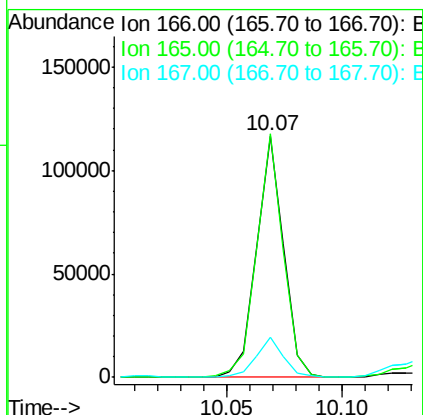
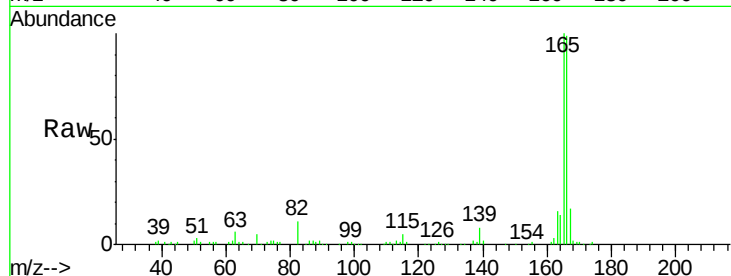




#57
Fluorene
 Concen: 6.56 ng
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

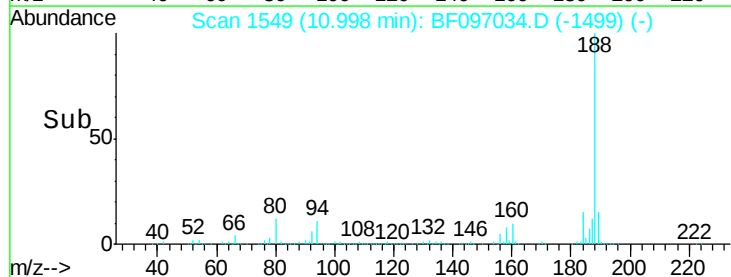
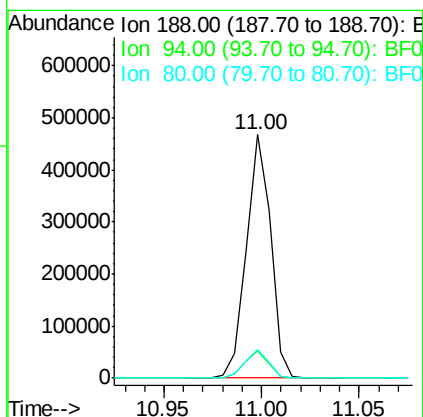
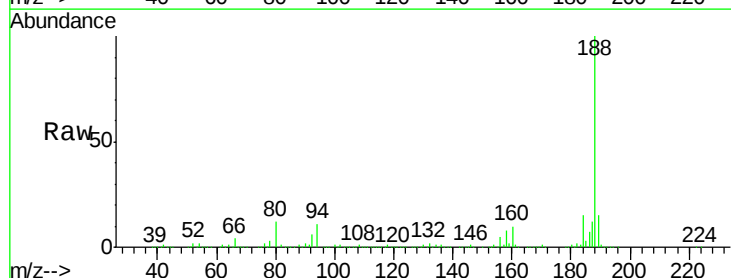
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

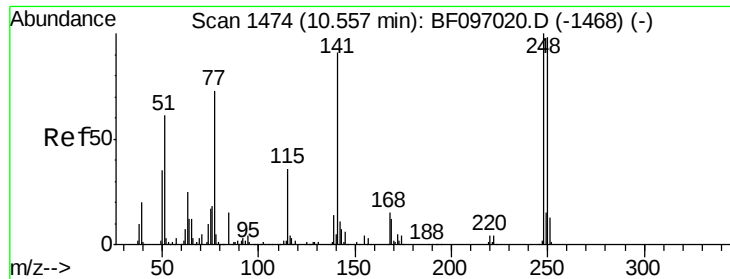
Tot Ion:166 Resp: 95539
 Ion Ratio Lower Upper
 166 100
 165 101.0 78.8 118.2
 167 16.8 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Tgt Ion:188 Resp: 405567
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.5 10.2 15.2

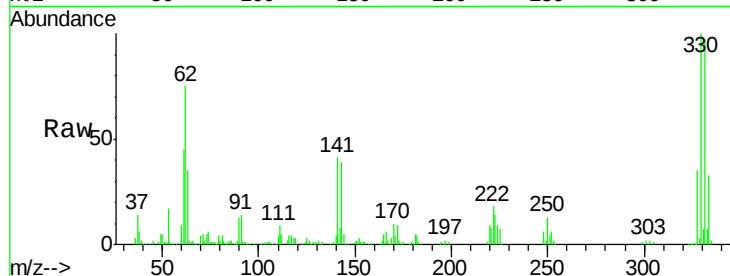




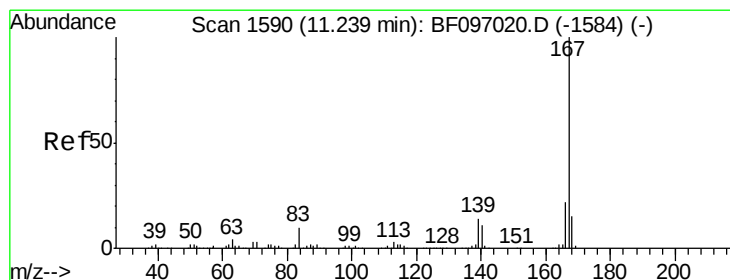
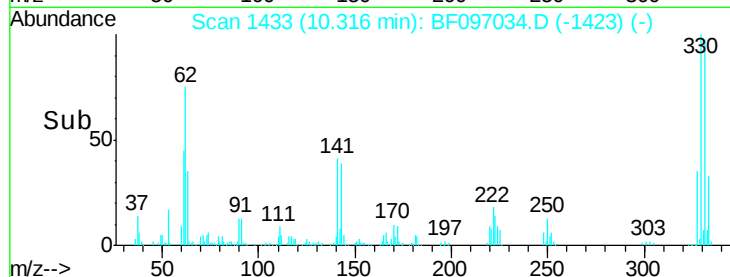
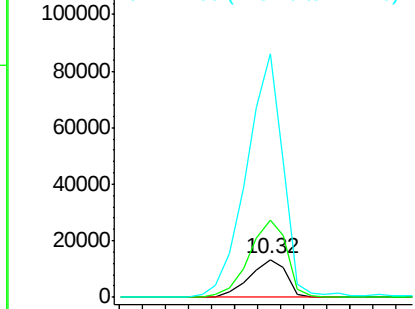
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.24 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-260783

Tot Ion:248 Resp: 15115
Ion Ratio Lower Upper
248 100
250 203.2 76.8 115.2#
141 639.6 68.6 103.0#

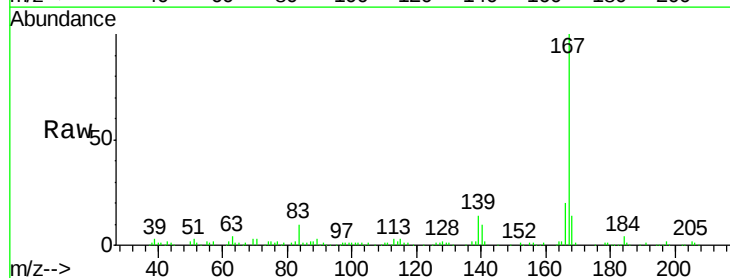


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

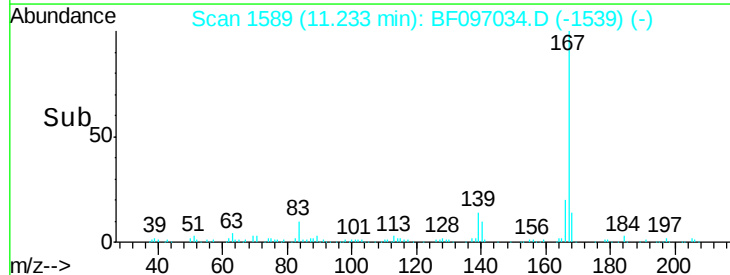
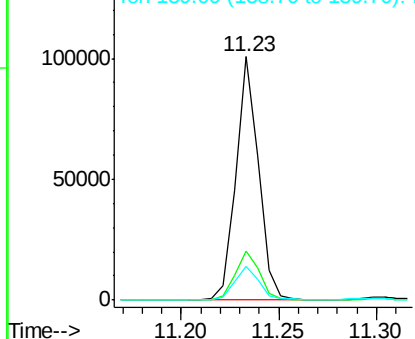


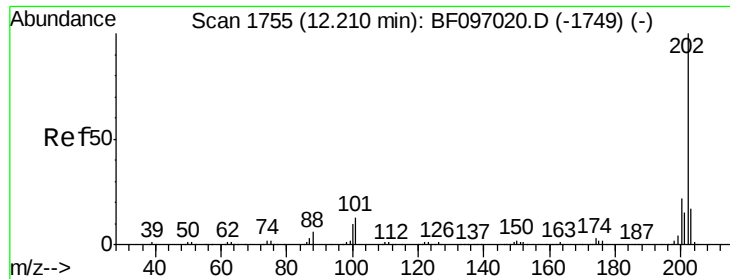
#72
Carbazole
Concen: 3.69 ng
RT: 11.23 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion:167 Resp: 80820
Ion Ratio Lower Upper
167 100
166 20.2 18.1 27.1
139 13.8 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

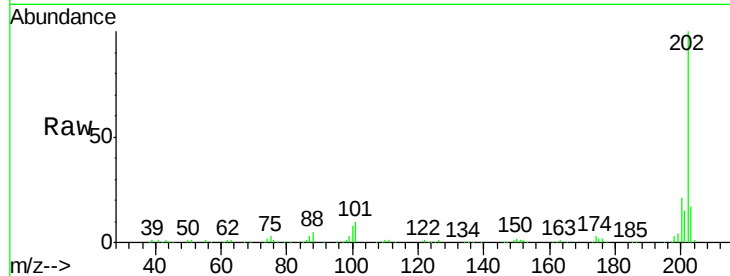




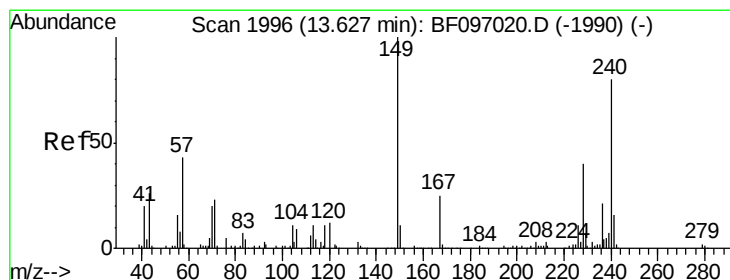
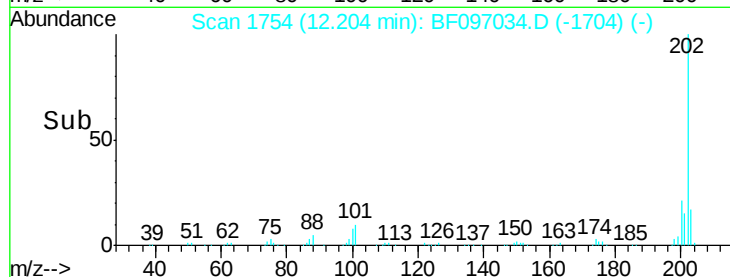
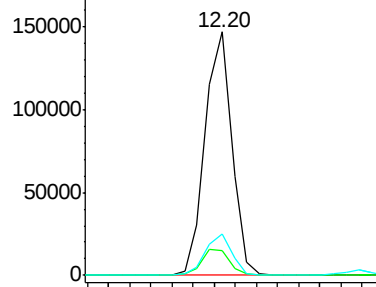
#74
Fluoranthene
Concen: 6.06 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-260783

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.2
203	17.1	0.0	38.1

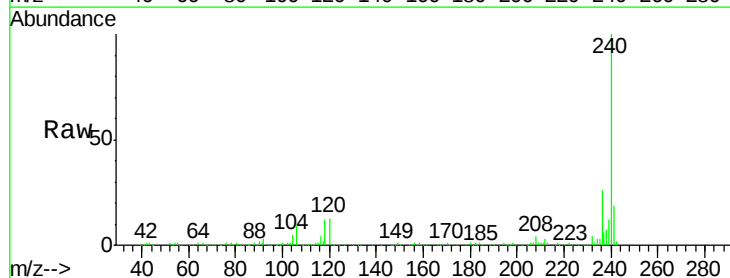


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

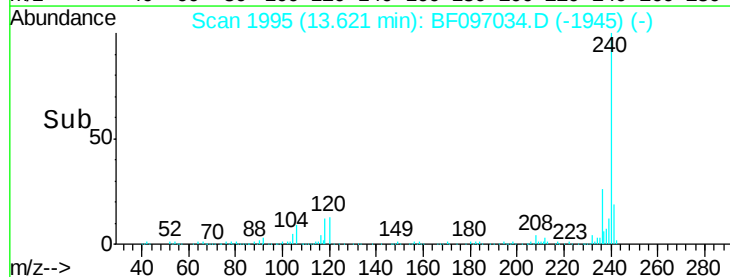
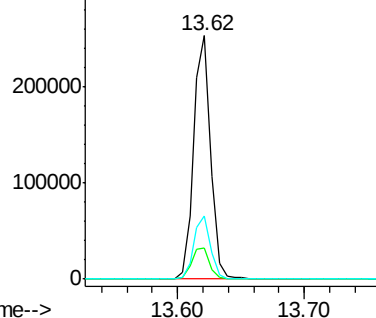


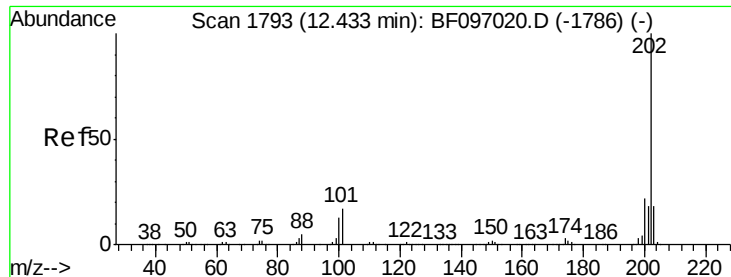
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.8	8.8#
236	25.9	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: 3.07 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

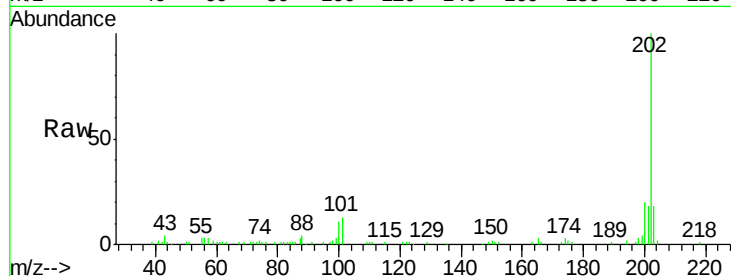
Tot Ion:202 Resp: 59487

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

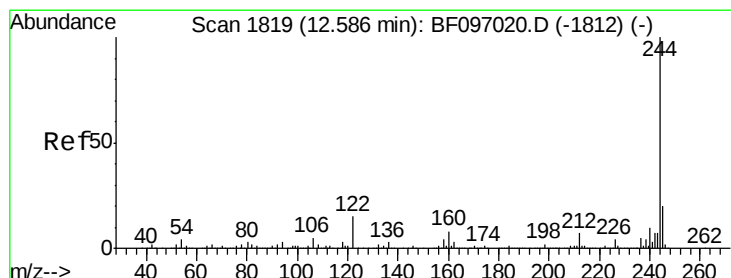
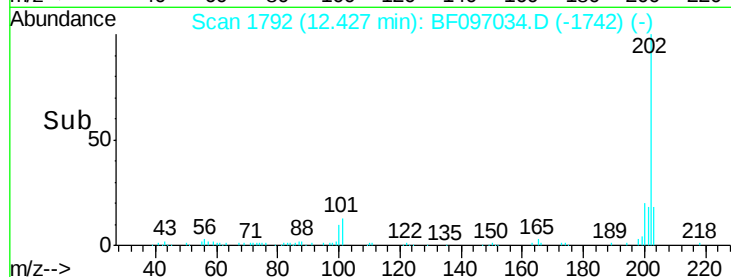
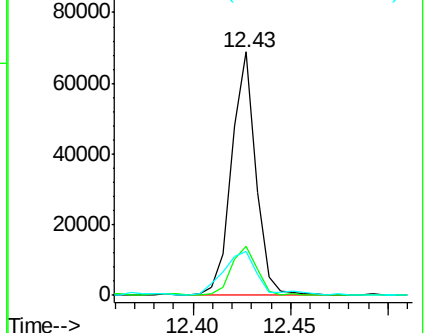
203 18.3 14.4 21.6



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: 72.10 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

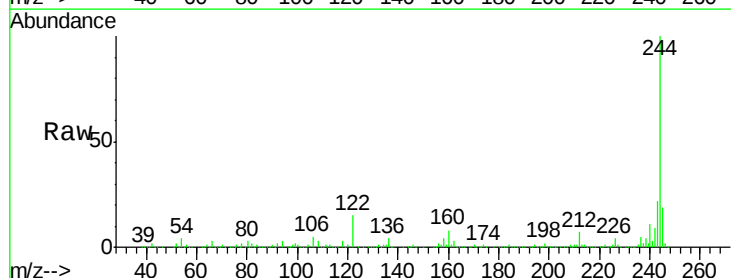
Tgt Ion:244 Resp: 835815

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

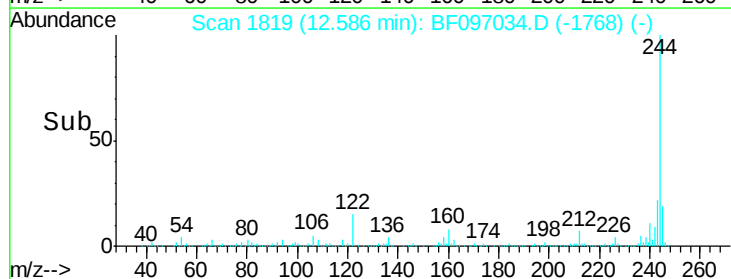
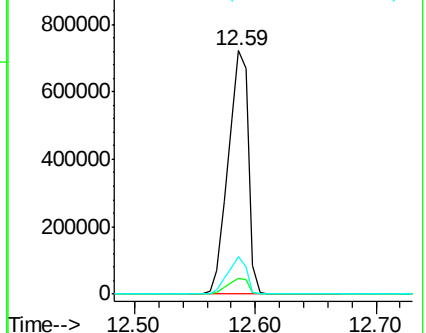
122 15.5 10.3 15.5

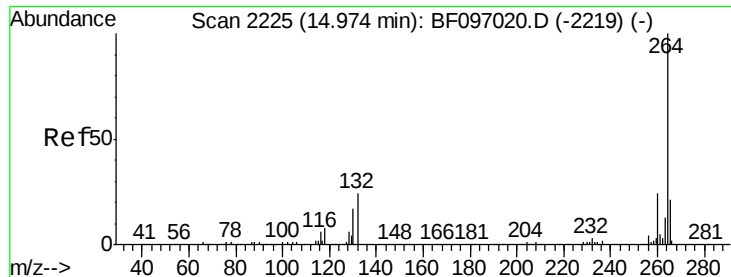


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

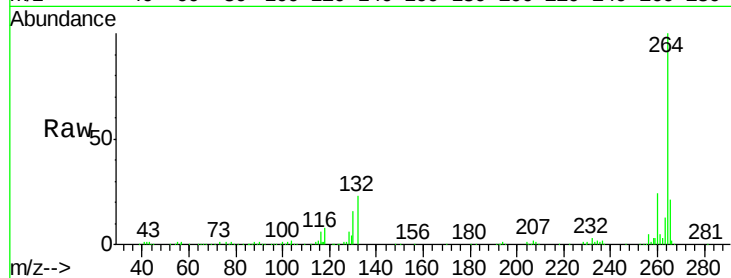




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.0	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

