

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097230.D
 Acq On : 1 Aug 2017 14:04
 Operator : SJ/JU
 Sample : I4488-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Quant Time: Aug 01 14:59:30 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

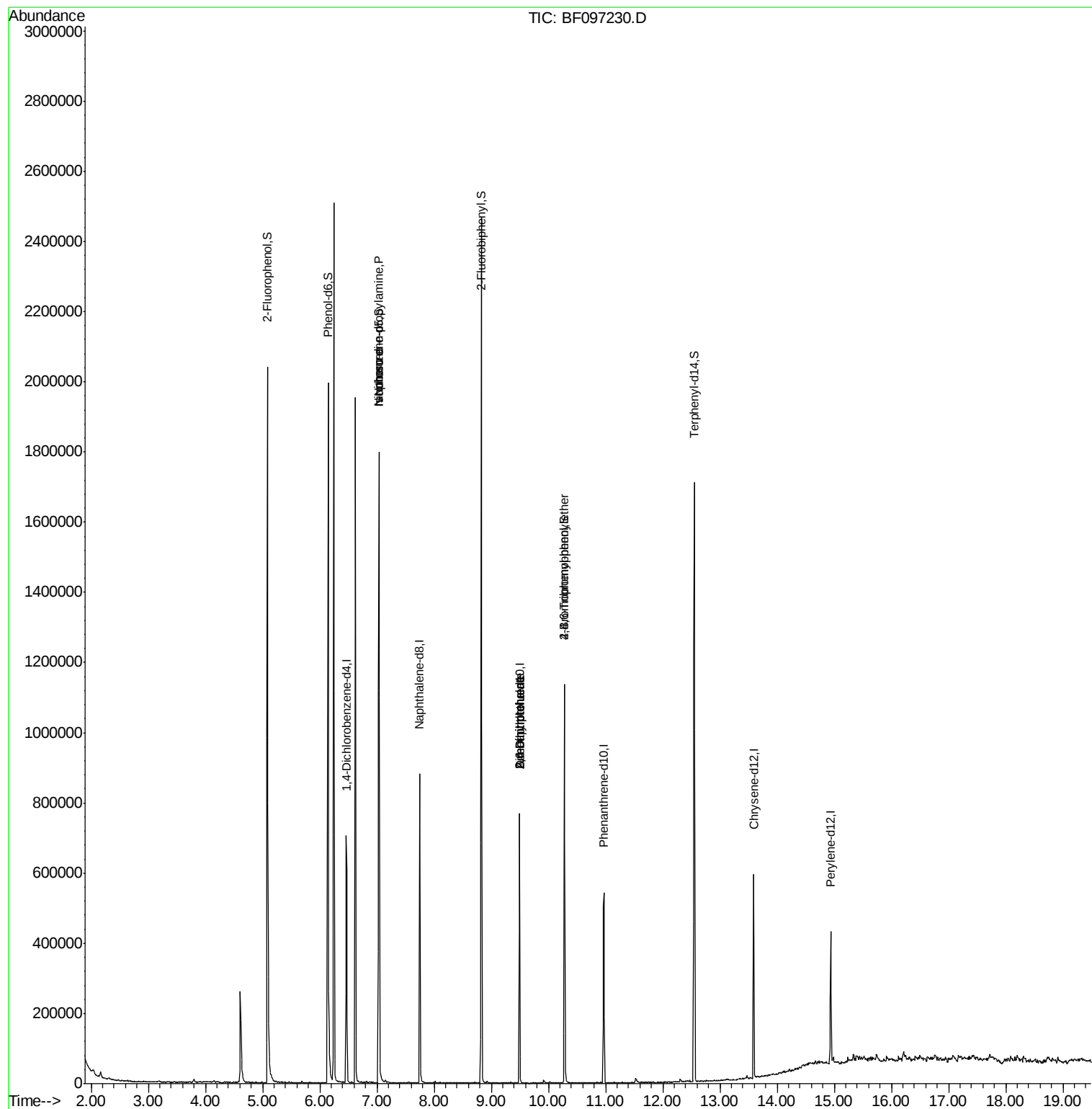
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	102163	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	395179	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	136027	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	198714	20.00	ng	0.00
75) Chrysene-d12	13.59	240	195940	20.00	ng	0.00
86) Perylene-d12	14.94	264	151205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	665349	98.18	ng	0.01
7) Phenol-d6	6.15	99	767970	99.26	ng	0.00
23) Nitrobenzene-d5	7.03	82	530440	78.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	114826	106.84	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	740363	92.37	ng	0.00
78) Terphenyl-d14	12.55	244	512987	53.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	71095	13.960	ng	# 84
25) Isophorone	7.03	82	522300	39.591	ng	# 67
49) Dimethylphthalate	9.49	163	39928	3.865	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	16460	7.513	ng	# 33
56) 2,4-Dinitrotoluene	9.49	165	16460	6.535	ng	# 32
66) 4-Bromophenyl-phenylether	10.28	248	7950	4.009	ng	# 1

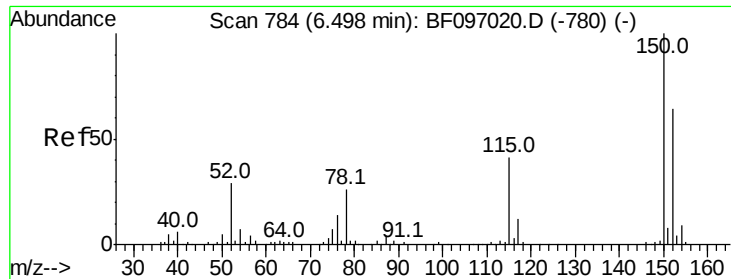
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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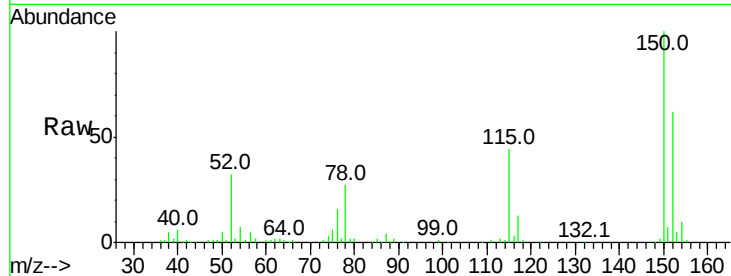


#1

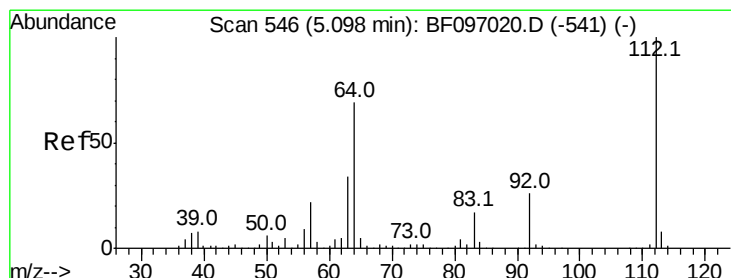
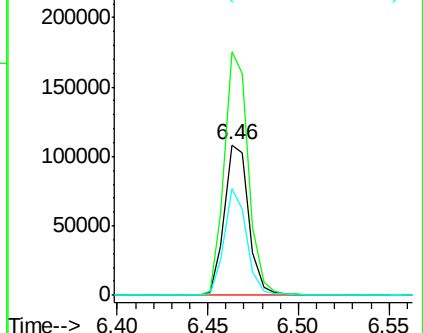
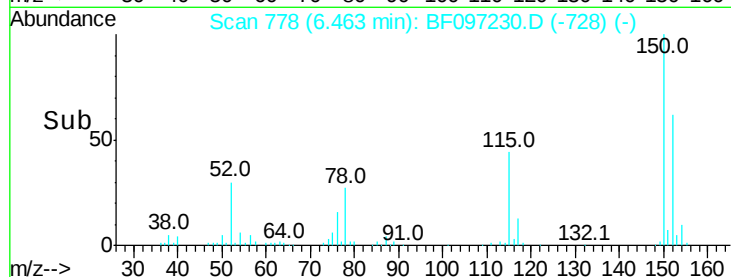
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF097230.D
Acq: 1 Aug 2017 14:04

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion:152 Resp: 102163
Ion Ratio Lower Upper
152 100
150 162.0 126.2 189.2
115 70.6 52.2 78.2



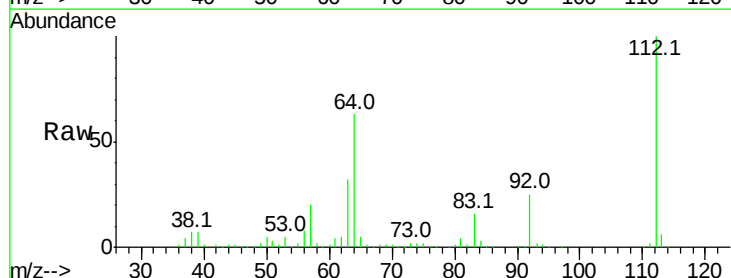
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



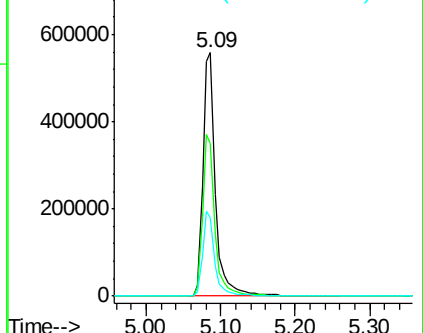
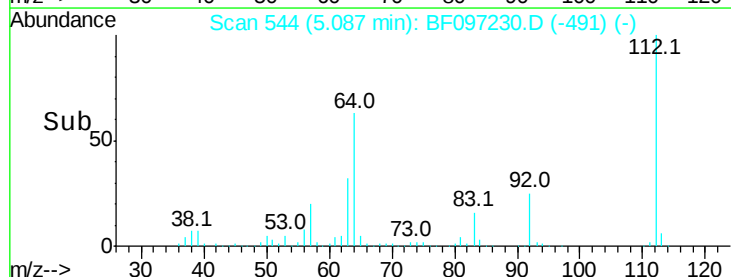
#5

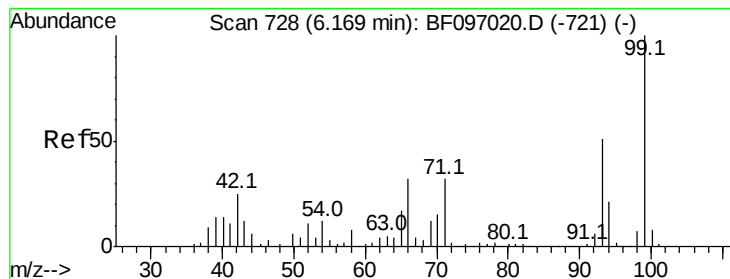
2-Fluorophenol
Concen: 98.177 ng
RT: 5.09 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF097230.D
Acq: 1 Aug 2017 14:04

Tgt Ion:112 Resp: 665349
Ion Ratio Lower Upper
112 100
64 62.6 46.0 69.0
63 32.2 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: 99.262 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-C

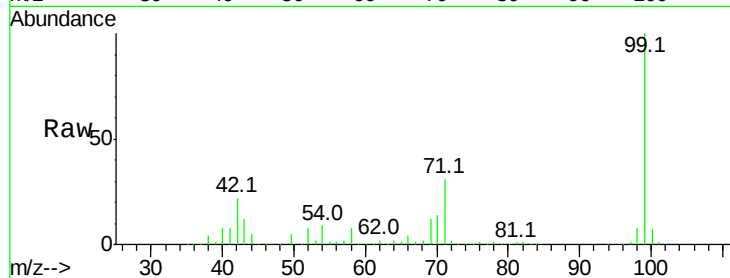
Tot Ion: 99 Resp: 767970

Ion Ratio Lower Upper

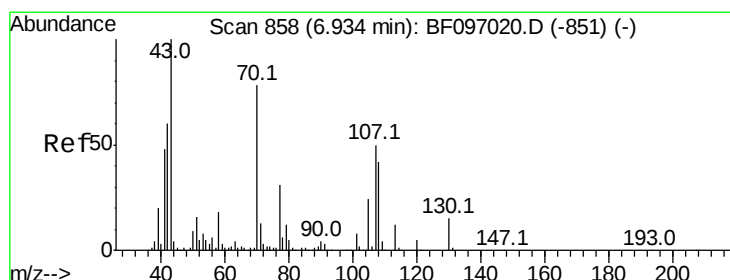
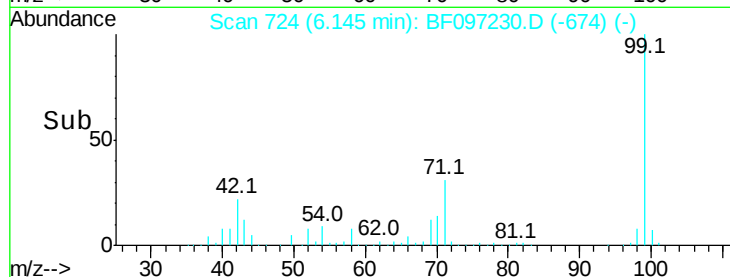
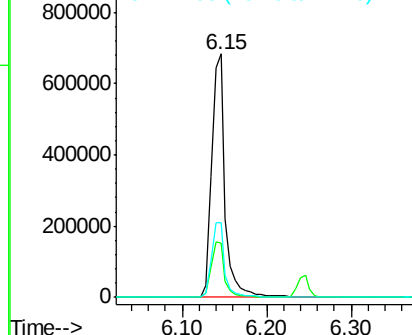
99 100

42 22.4 13.5 20.3#

71 30.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.960 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.12 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Tgt Ion: 70 Resp: 71095

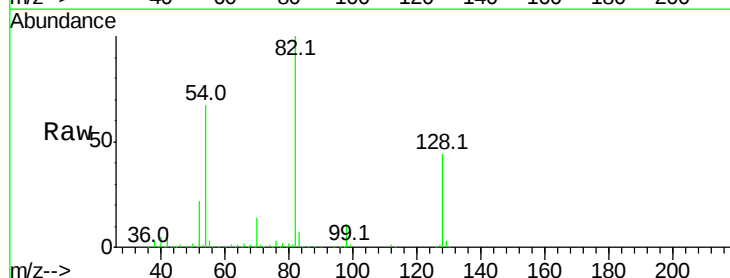
Ion Ratio Lower Upper

70 100

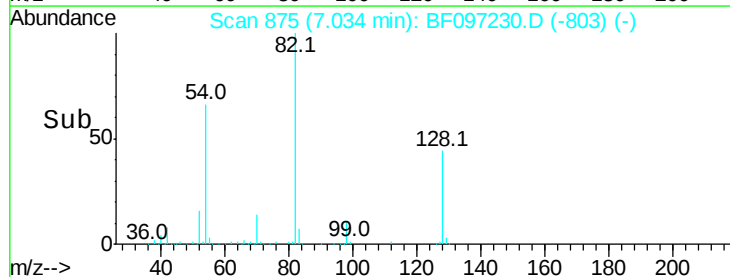
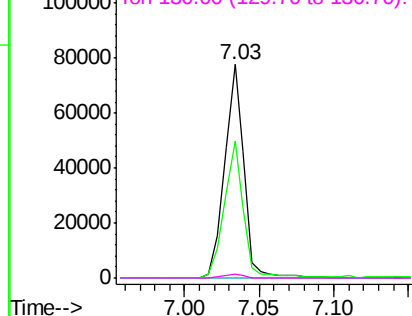
42 64.3 47.2 70.8

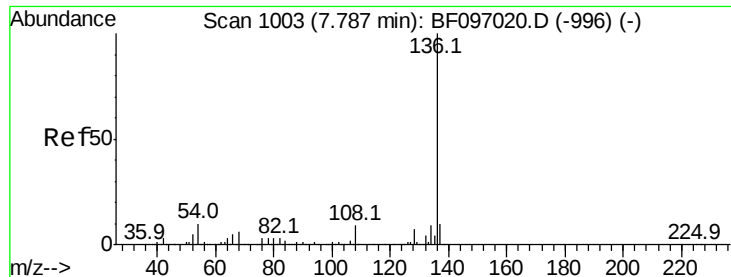
101 0.0 7.2 10.8#

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): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-C

Tot Ion:136 Resp: 395179

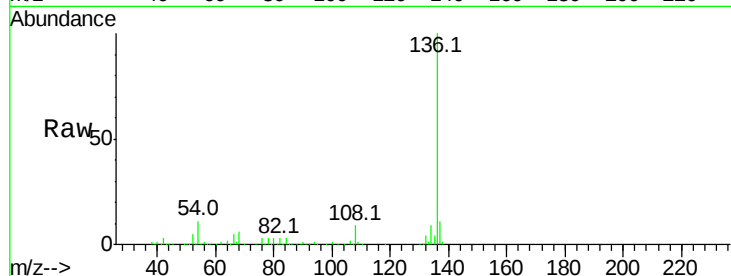
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.7 4.9 7.3#

68 5.9 4.1 6.1

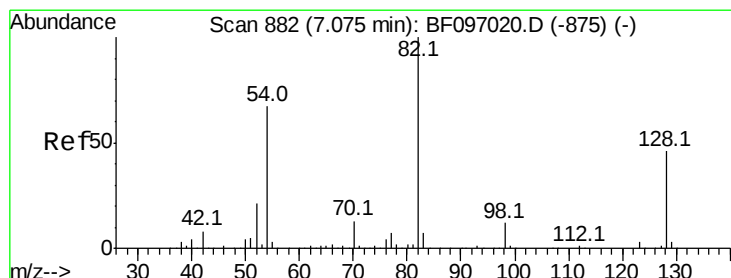
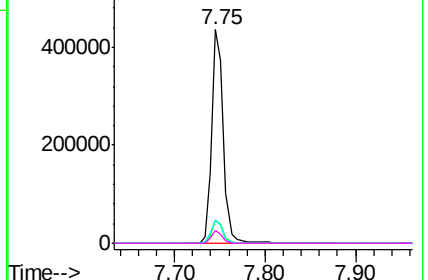
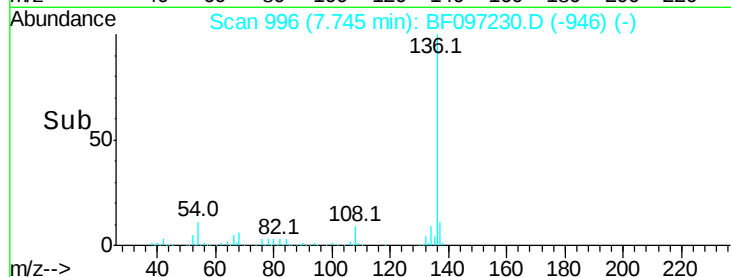


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.743 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

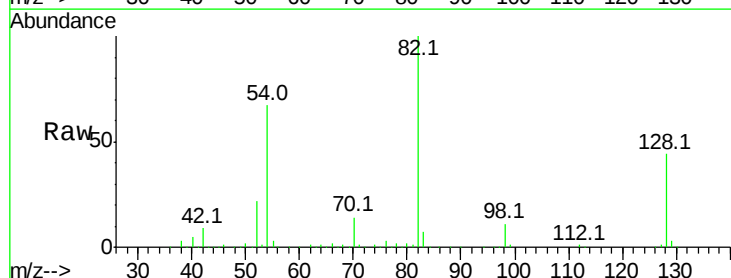
Tgt Ion: 82 Resp: 530440

Ion Ratio Lower Upper

82 100

128 43.6 34.0 51.0

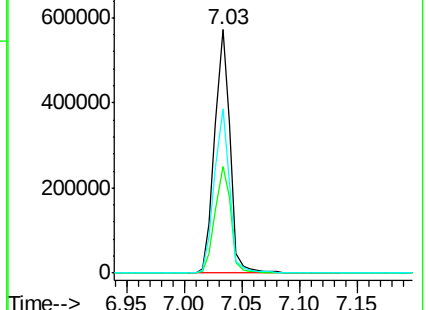
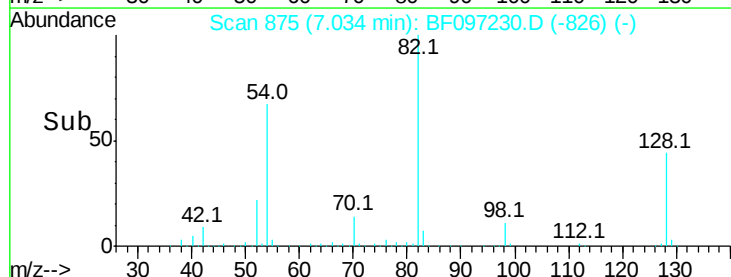
54 67.4 42.2 63.2#

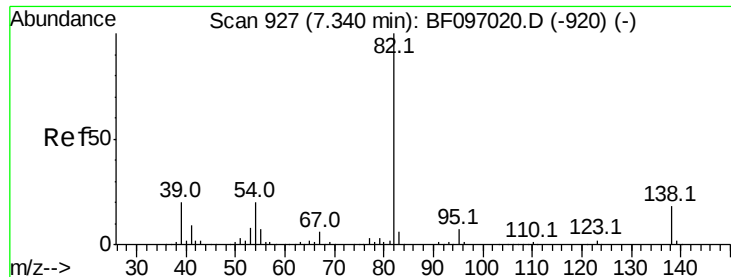


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.591 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.28 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Instrument :

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ClientSampleId :

CL-02-072717-C

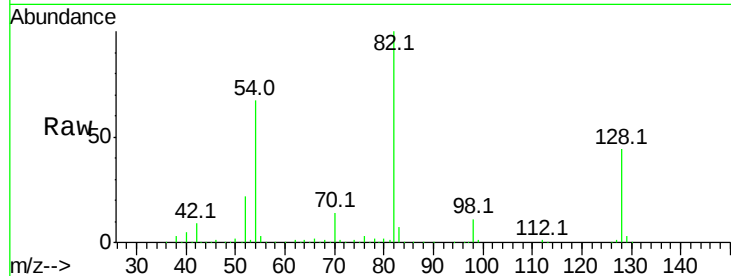
Tot Ion: 82 Resp: 522300

Ion Ratio Lower Upper

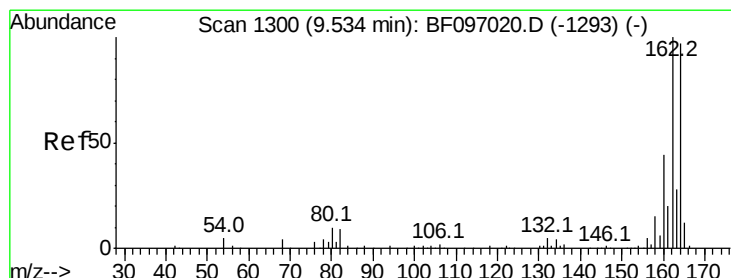
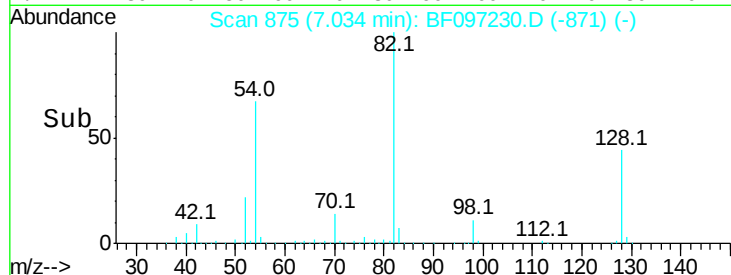
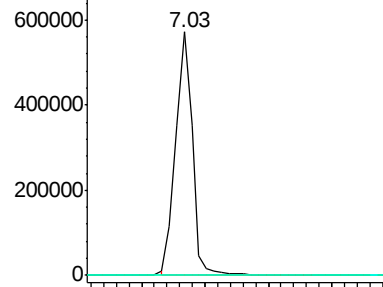
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

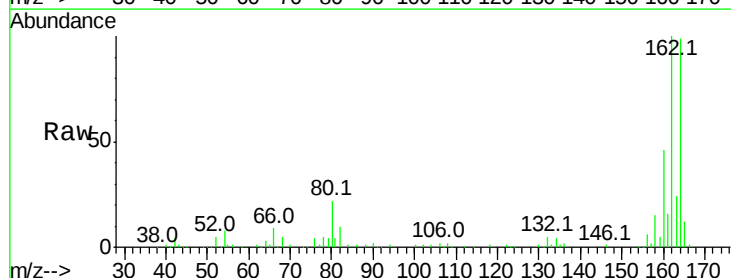
Tgt Ion: 164 Resp: 136027

Ion Ratio Lower Upper

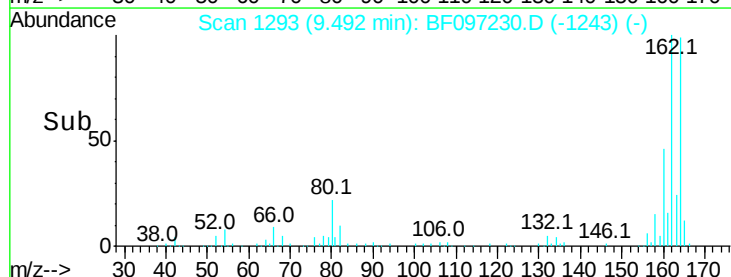
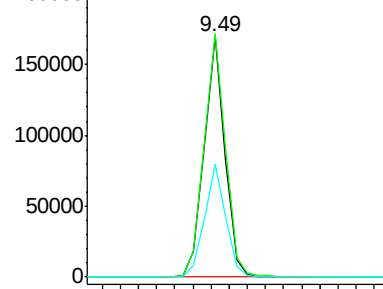
164 100

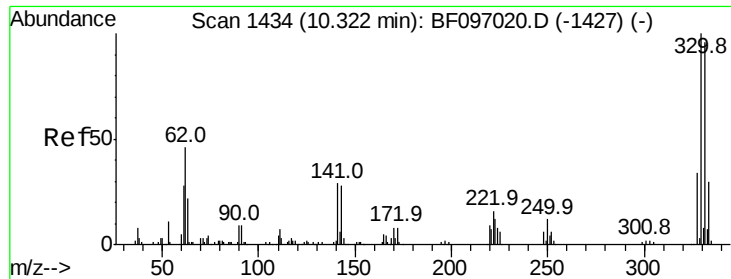
162 101.1 82.6 123.8

160 46.8 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

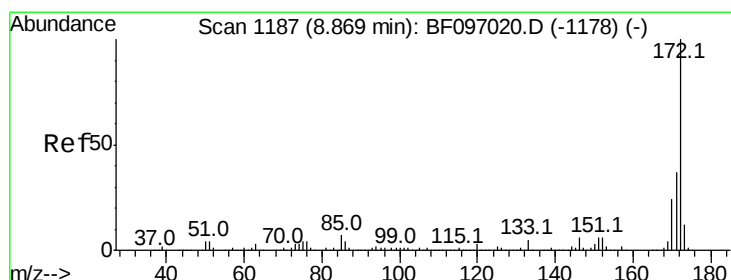
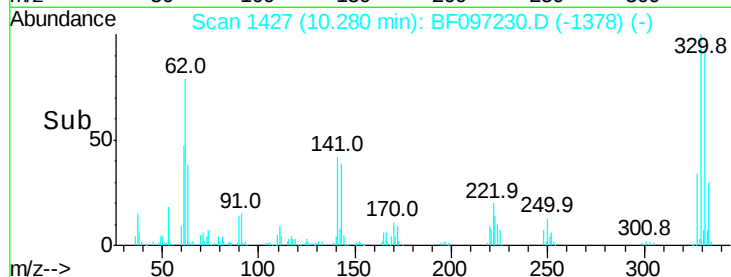
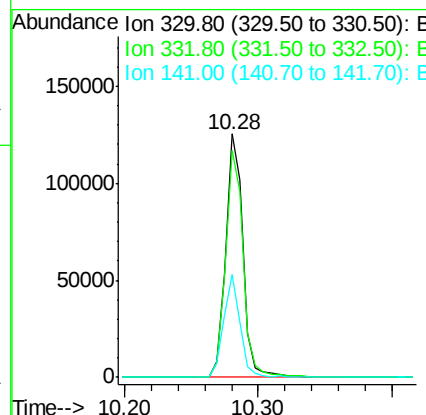
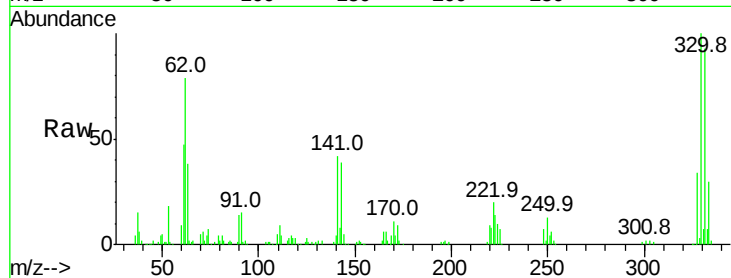




#41
 2,4,6-Tribromophenol
 Concen: 106.840 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

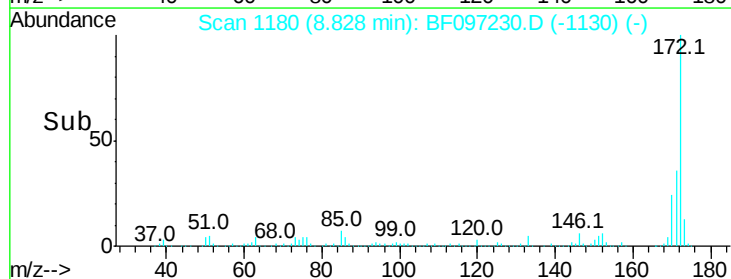
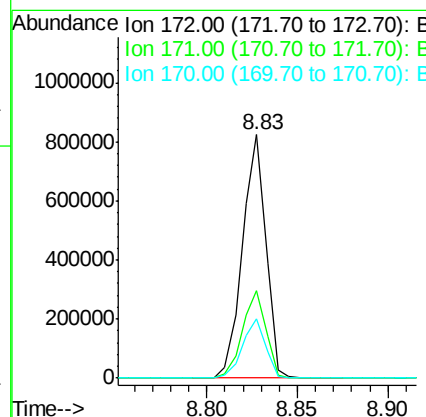
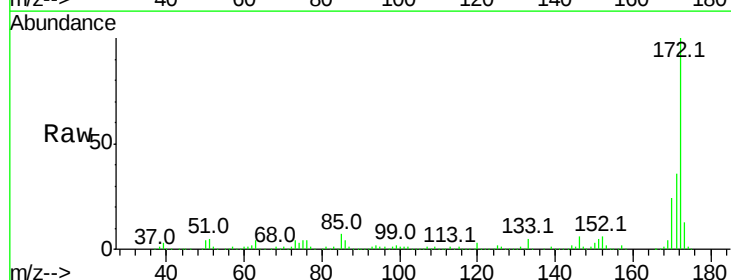
Instrument :
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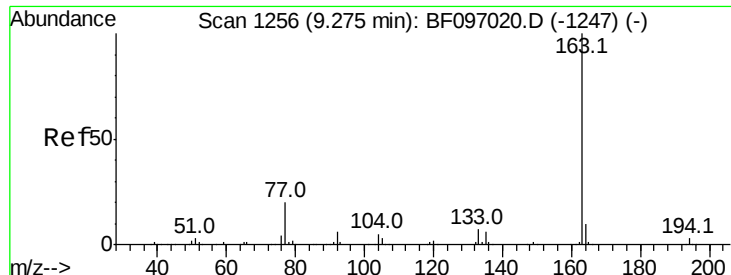
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	40.1	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 92.369 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.2	19.8	29.8





#49

Dimethylphthalate

Concen: 3.865 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.25 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-C

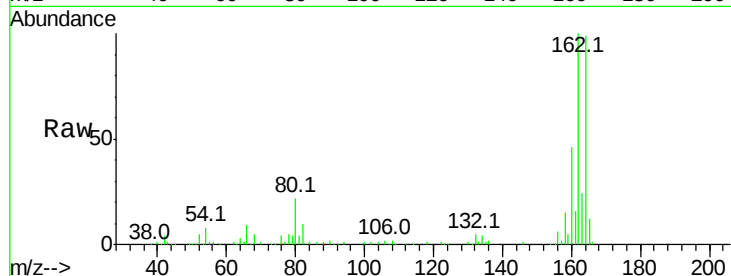
Tot Ion:163 Resp: 39928

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

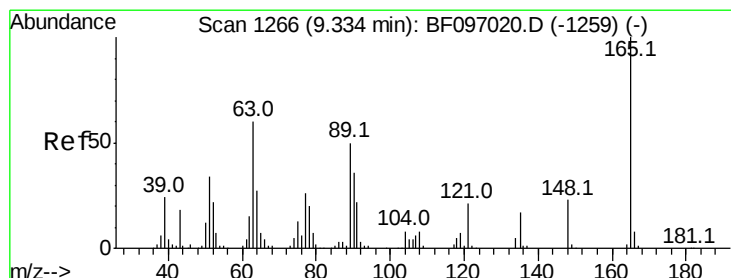
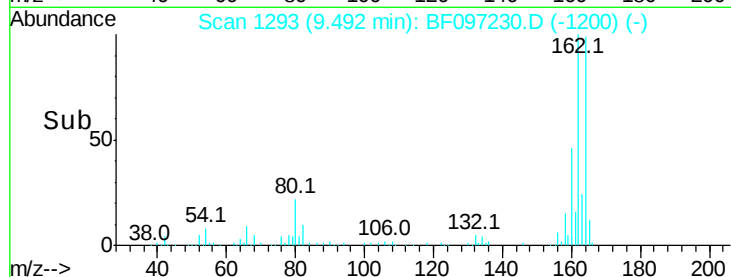
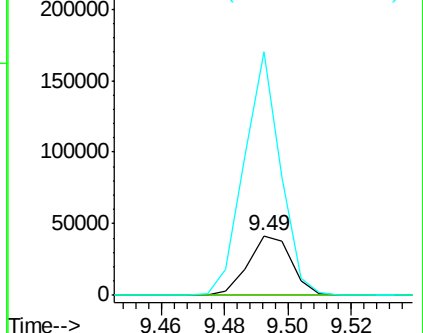
164 408.5 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 7.513 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.19 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

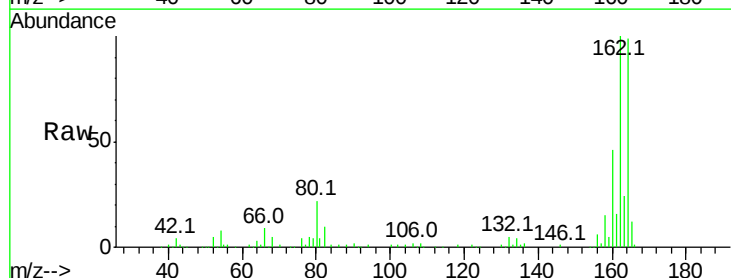
Tgt Ion:165 Resp: 16460

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

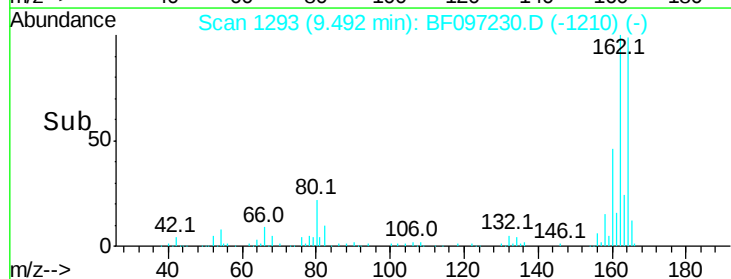
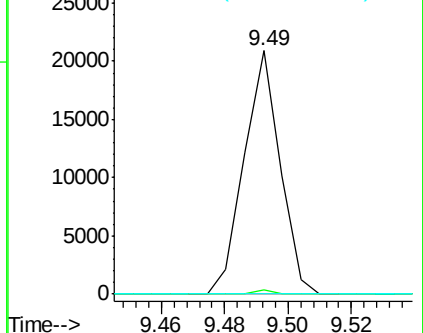
89 0.0 37.1 55.7#

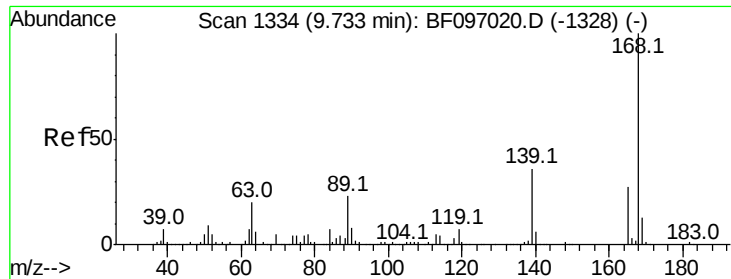


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

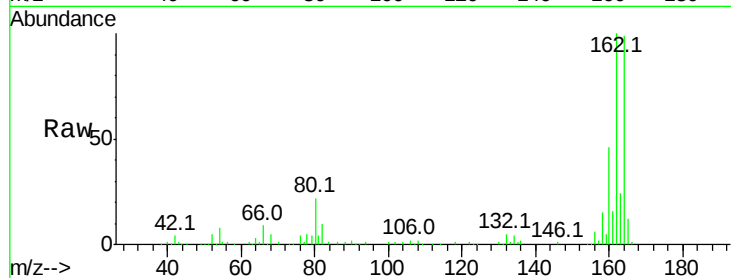




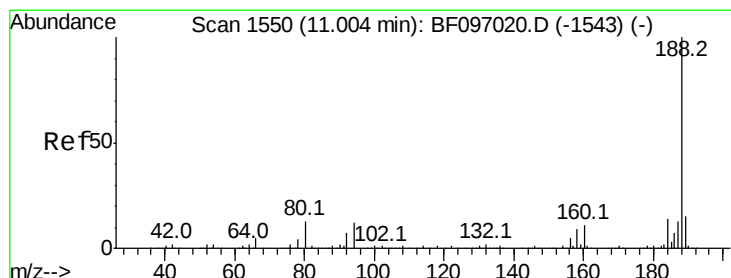
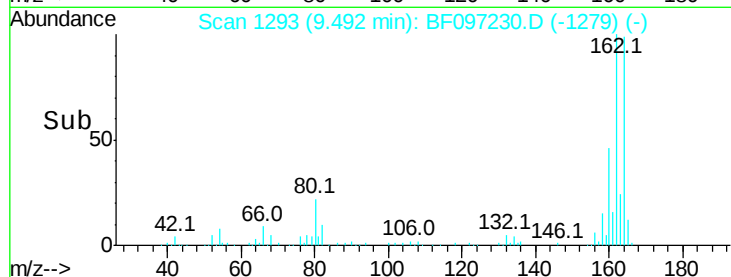
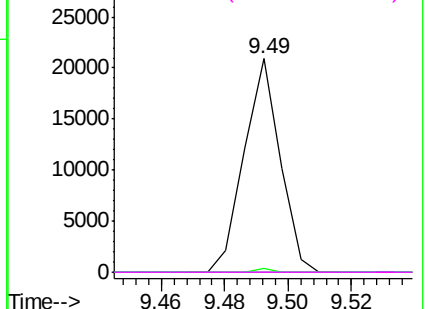
#56
 2,4-Dinitrotoluene
 Concen: 6.535 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.22 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Tot Ion:165 Resp: 16460
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

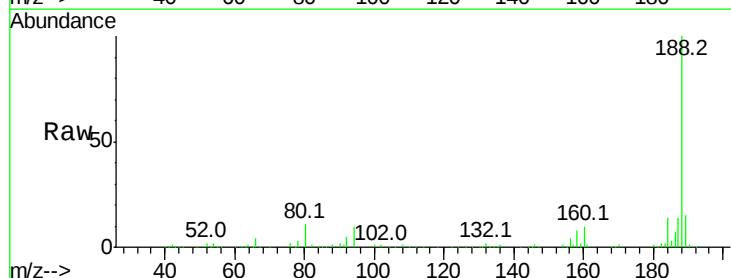


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

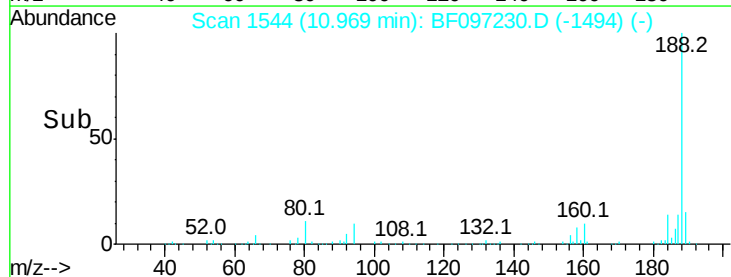
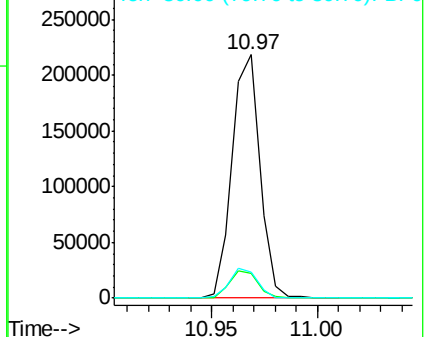


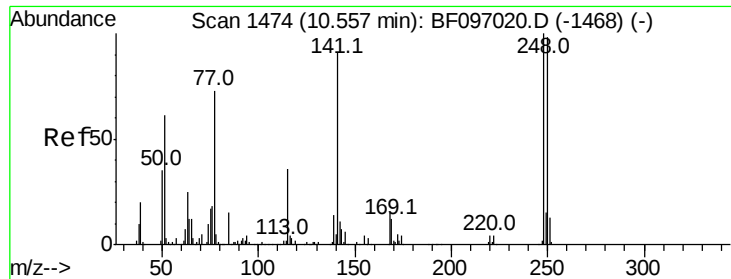
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.97 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

Tgt Ion:188 Resp: 198714
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.9 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

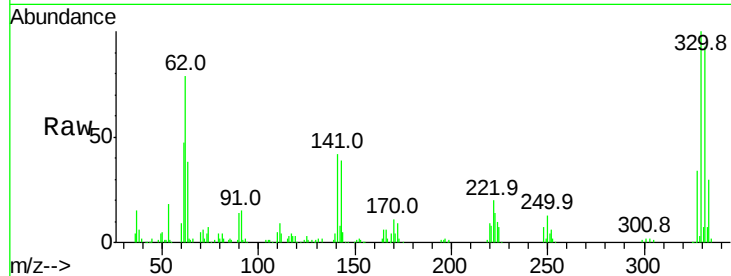




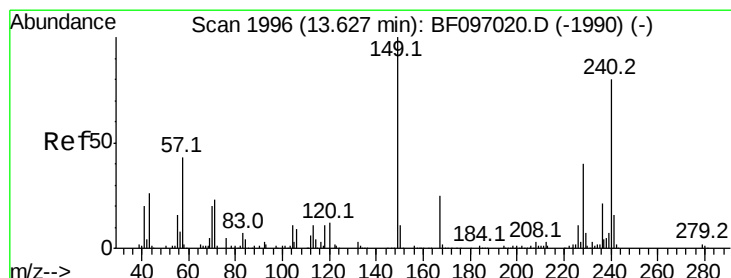
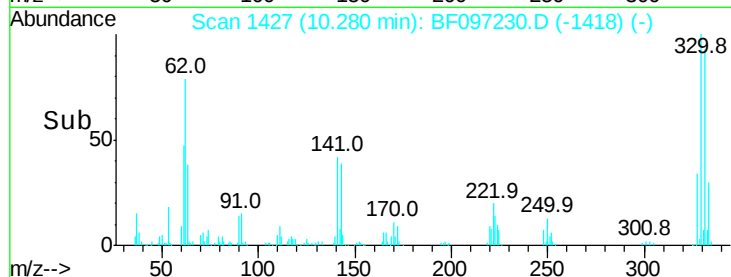
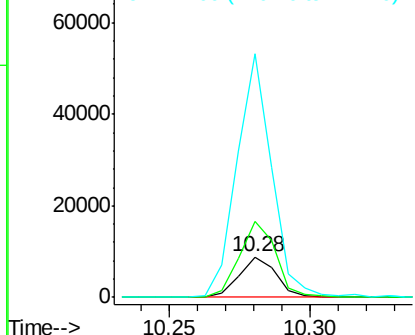
#66
 4-Bromophenyl-phenylether
 Concen: 4.009 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Tot Ion:248 Resp: 7950
 Ion Ratio Lower Upper
 248 100
 250 187.7 76.8 115.2#
 141 604.0 68.6 103.0#

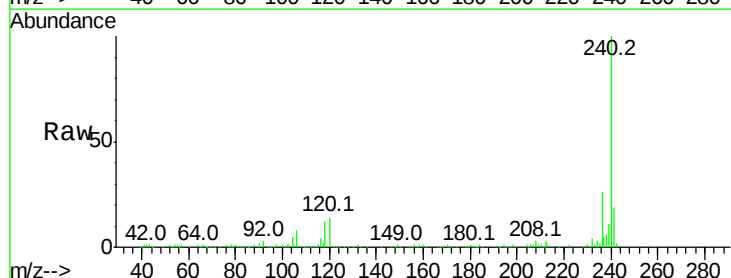


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

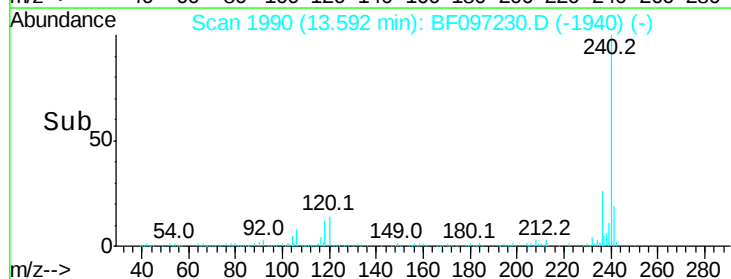
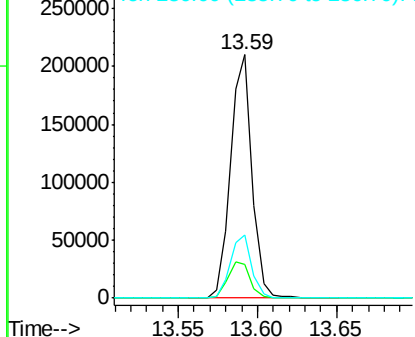


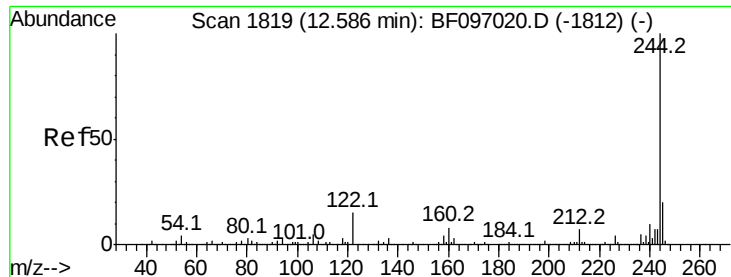
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.59 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF097230.D
 Acq: 1 Aug 2017 14:04

Tgt Ion:240 Resp: 195940
 Ion Ratio Lower Upper
 240 100
 120 13.7 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





#78

Terphenyl-d14

Concen: 53.379 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Instrument :

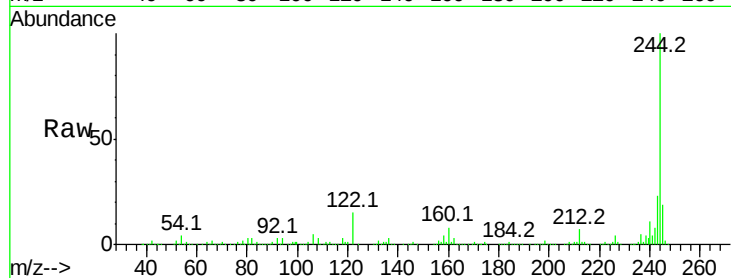
BNA_F

ClientSampleId :

CL-02-072717-C

Tot Ion:244 Resp: 512987

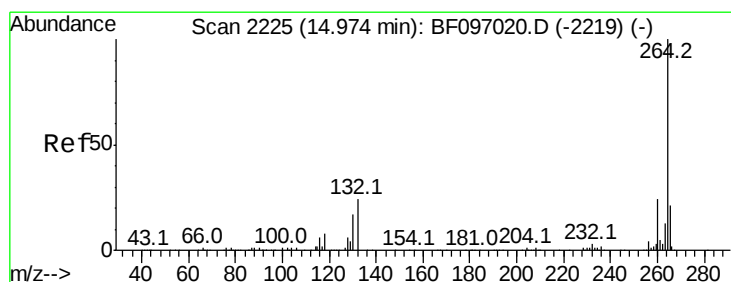
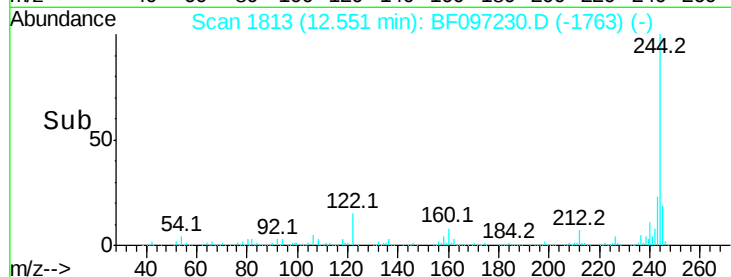
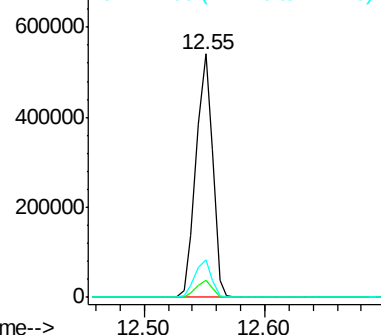
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	15.2	10.3	15.5



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: 20.000 ng

RT: 14.94 min Scan# 2219

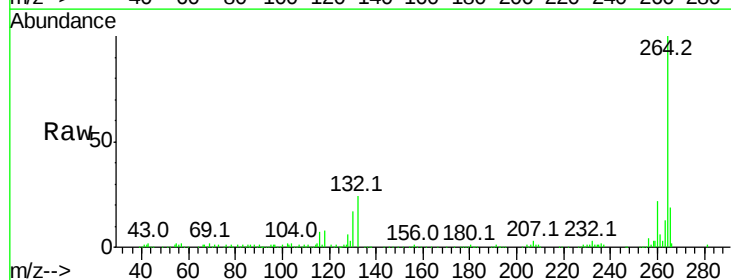
Delta R.T. 0.00 min

Lab File: BF097230.D

Acq: 1 Aug 2017 14:04

Tgt Ion:264 Resp: 151205

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	19.4	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

