

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097921.D
 Acq On : 21 Aug 2017 22:38
 Operator : SJ/JU
 Sample : I4890-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6

Quant Time: Aug 22 04:05:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

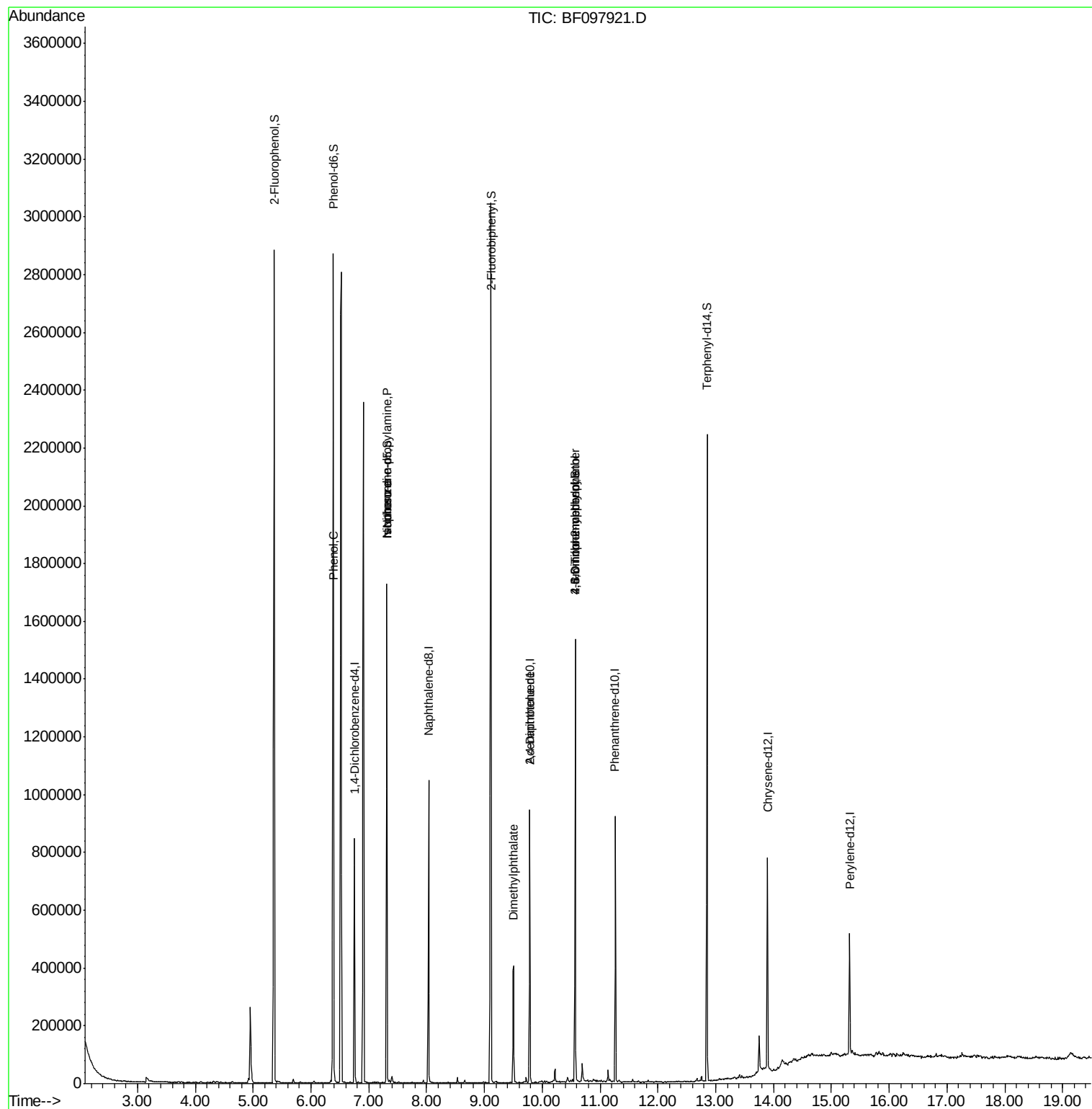
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	115598	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	445144	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	171678	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	288392	20.00	ng	0.00
75) Chrysene-d12	13.90	240	247842	20.00	ng	0.00
86) Perylene-d12	15.32	264	178299	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	840685	110.62	ng	0.01
7) Phenol-d6	6.39	99	1121088	108.57	ng	0.00
23) Nitrobenzene-d5	7.31	82	677272	82.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	158645	106.50	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	920755	78.80	ng	0.00
78) Terphenyl-d14	12.85	244	652568	54.91	ng	0.00
Target Compounds						
10) Phenol	6.40	94	44839	3.71	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	7.31	70	90908	12.86	ng	# 72
25) Isophorone	7.31	82	661541	38.83	ng	# 67
49) Dimethylphthalate	9.50	163	153660	12.24	ng	98
56) 2,4-Dinitrotoluene	9.78	165	21730	6.91	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.57	198	295	8.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	10537	3.52	ng	# 1

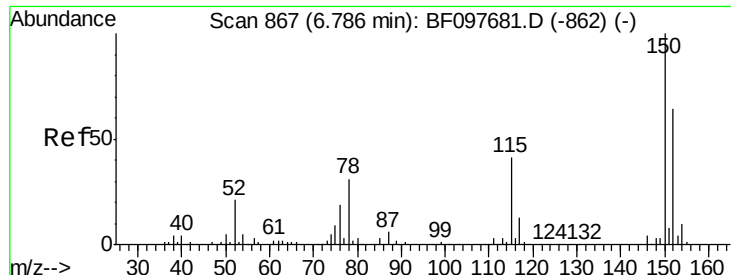
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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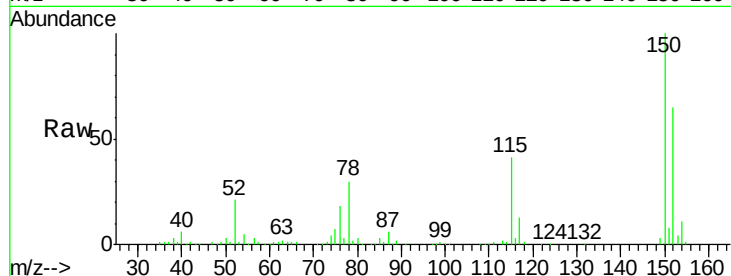


#1

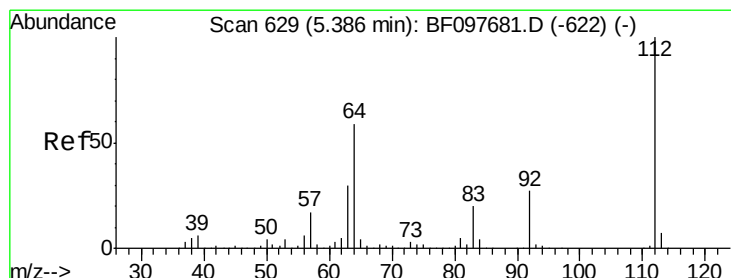
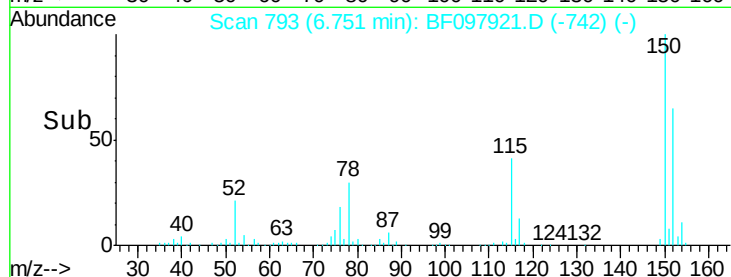
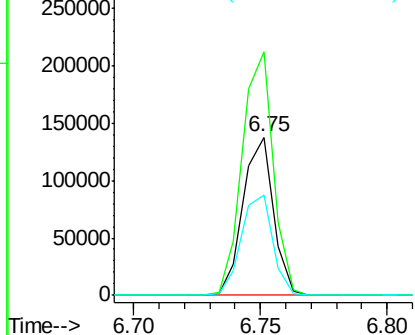
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097921.D
Acq: 21 Aug 2017 22:38

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6

Tot Ion:152 Resp: 115598
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 63.5 52.2 78.2



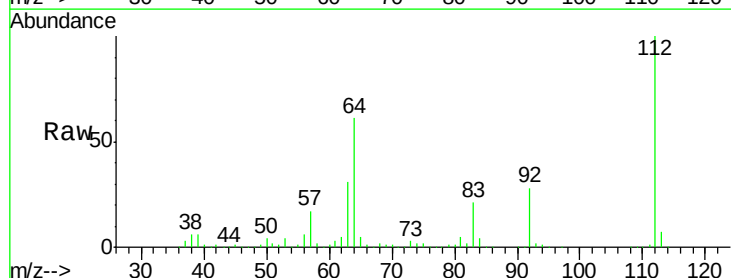
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



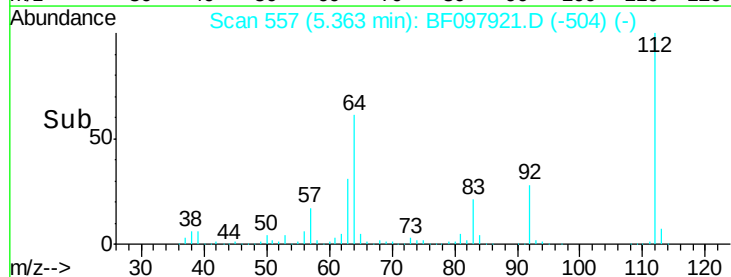
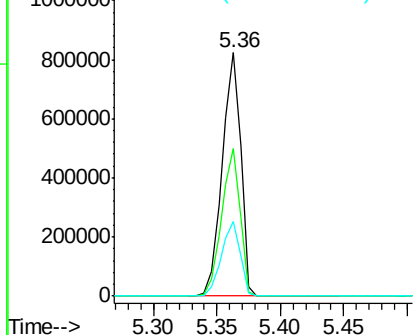
#5

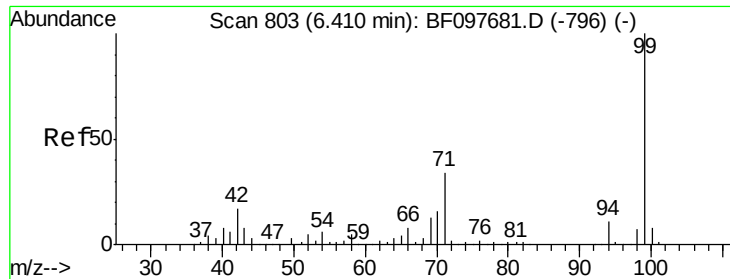
2-Fluorophenol
Concen: 110.62 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097921.D
Acq: 21 Aug 2017 22:38

Tgt Ion:112 Resp: 840685
Ion Ratio Lower Upper
112 100
64 60.6 46.0 69.0
63 30.9 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: 108.57 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6

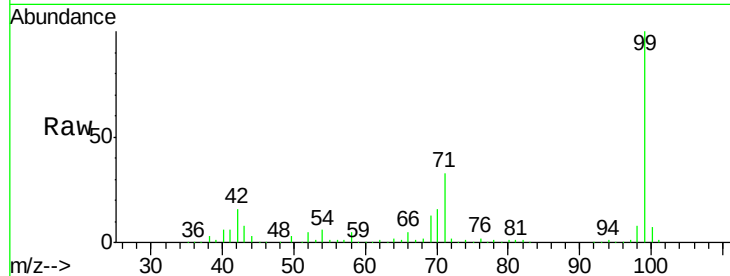
Tot Ion: 99 Resp: 1121088

Ion Ratio Lower Upper

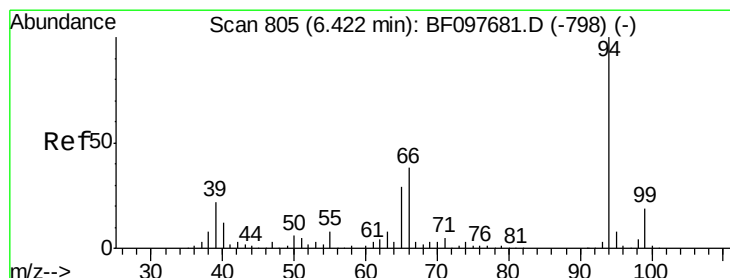
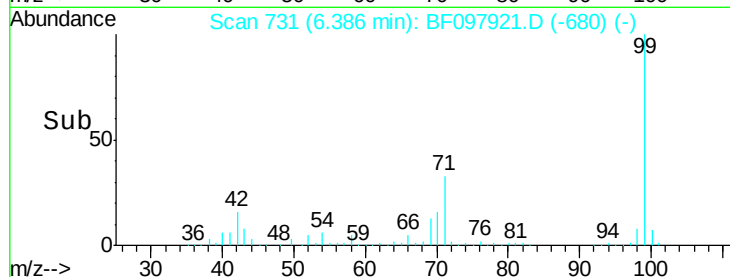
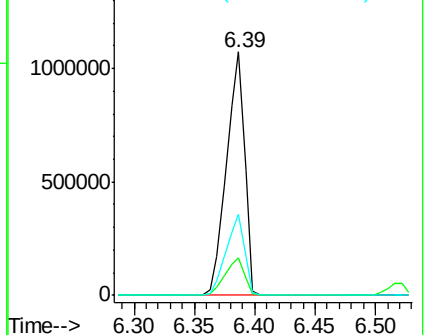
99 100

42 15.7 13.5 20.3

71 33.3 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: 3.71 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

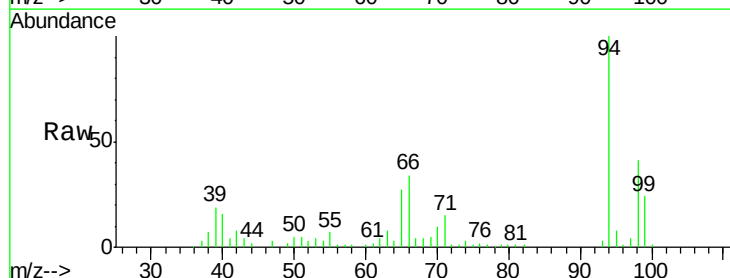
Tgt Ion: 94 Resp: 44839

Ion Ratio Lower Upper

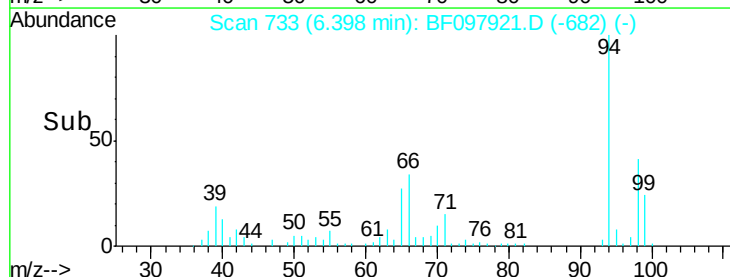
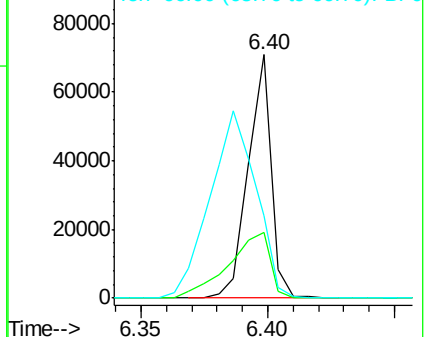
94 100

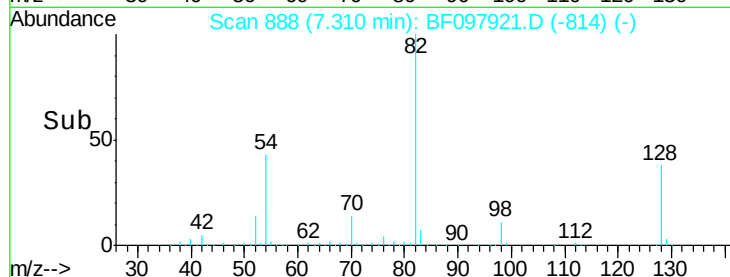
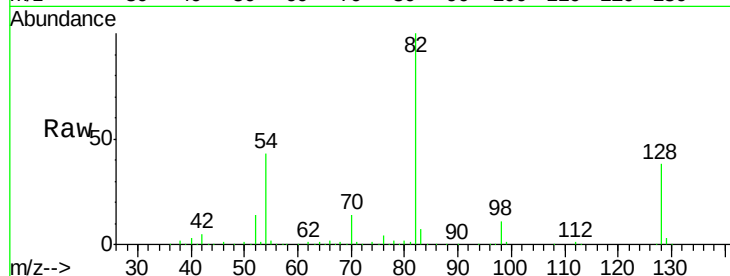
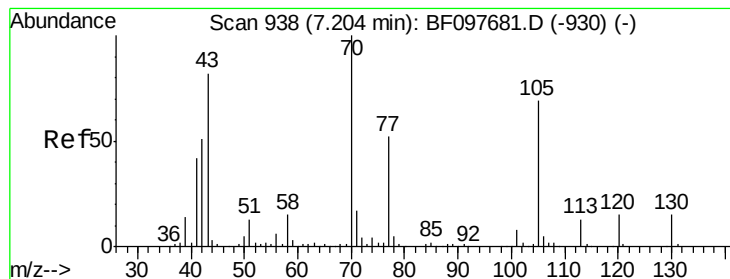
65 26.9 9.9 49.9

66 34.0 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: 12.86 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6

Tot Ion: 70 Resp: 90908

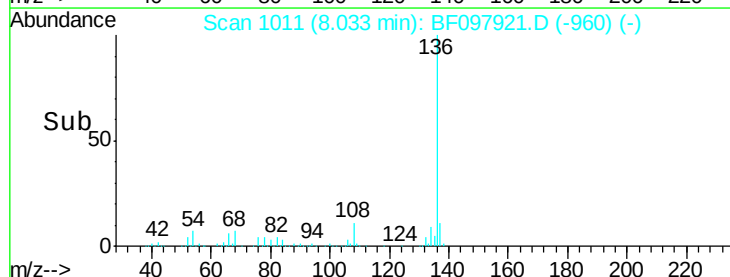
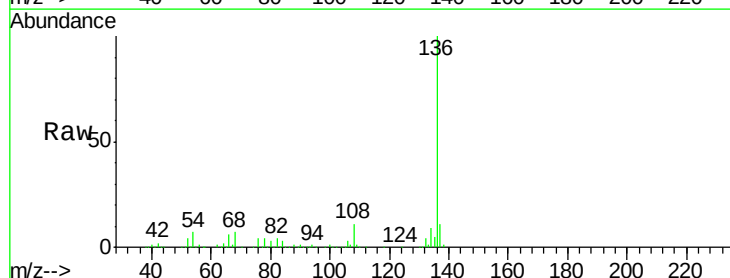
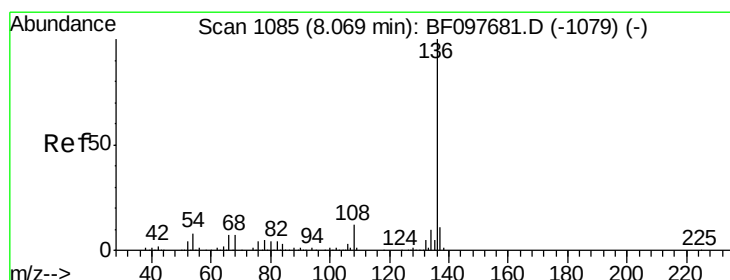
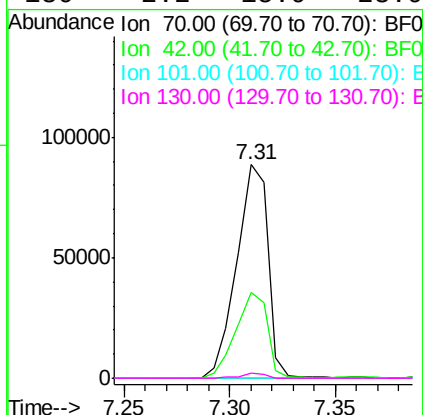
Ion Ratio Lower Upper

70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

Tgt Ion: 136 Resp: 445144

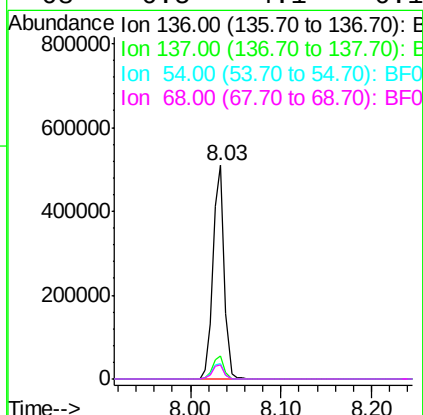
Ion Ratio Lower Upper

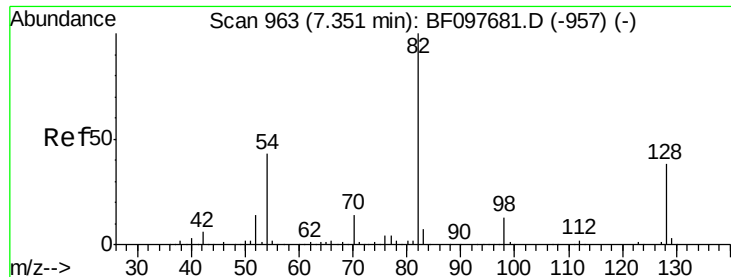
136 100

137 10.6 8.5 12.7

54 7.0 4.9 7.3

68 6.5 4.1 6.1#

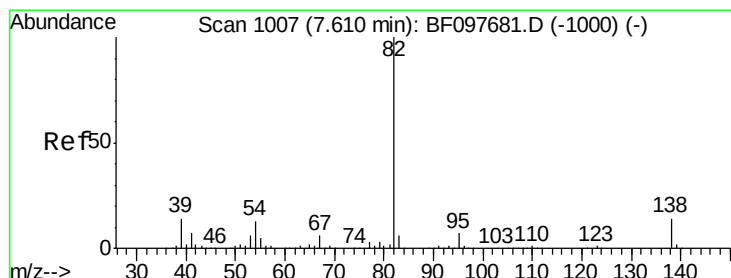
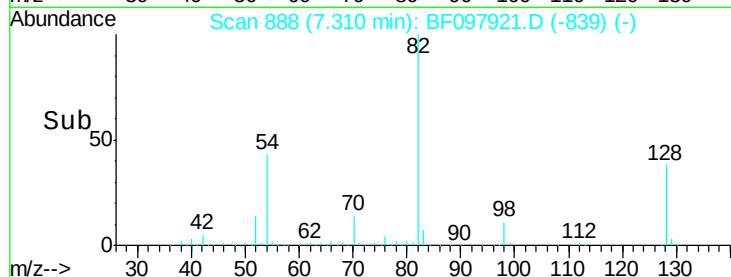
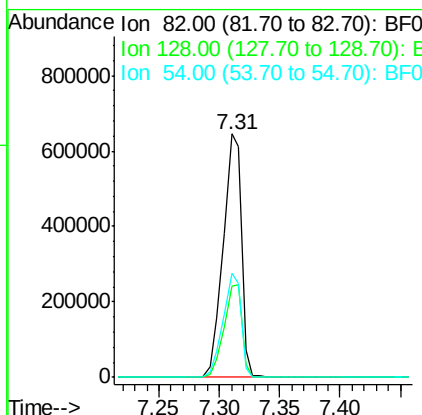
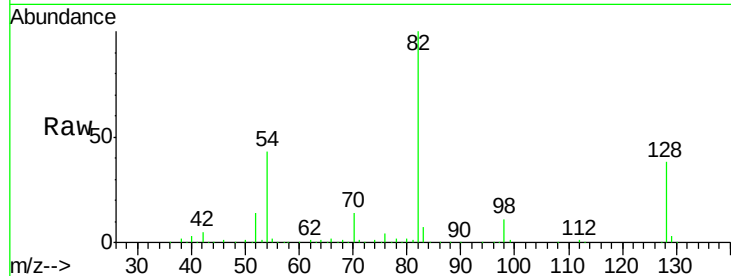




#23
 Nitrobenzene-d5
 Concen: 82.65 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

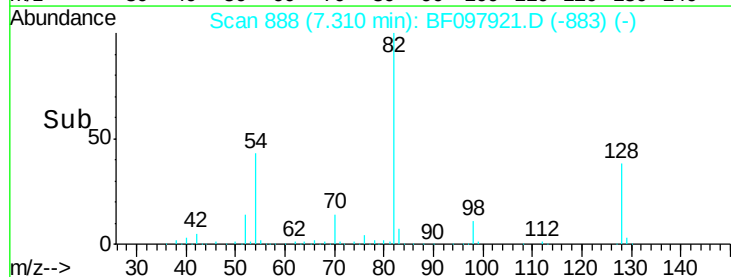
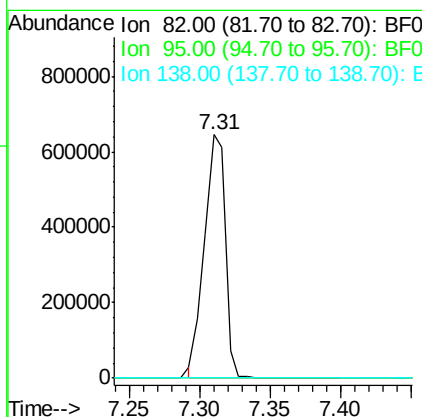
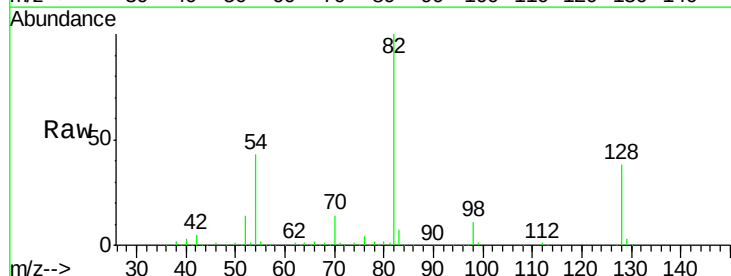
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6

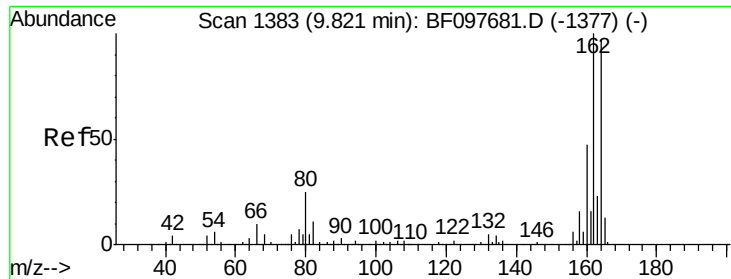
Tot Ion	82	Resp	677272
Ion Ratio	Lower	Upper	
82	100		
128	37.6	34.0	51.0
54	42.5	42.2	63.2



#25
 Isophorone
 Concen: 38.83 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.27 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

Tgt Ion	82	Resp	661541
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

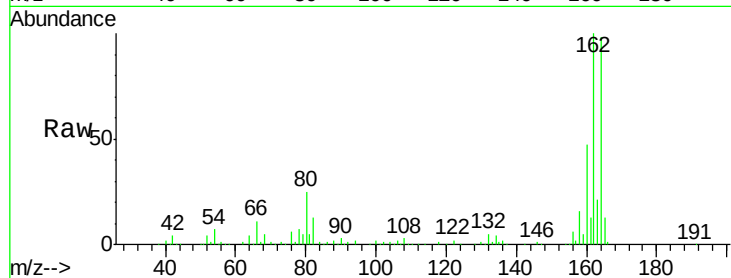




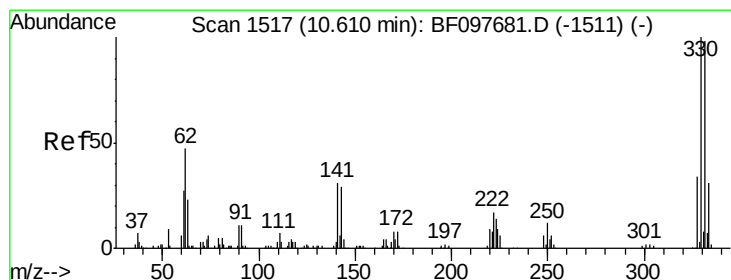
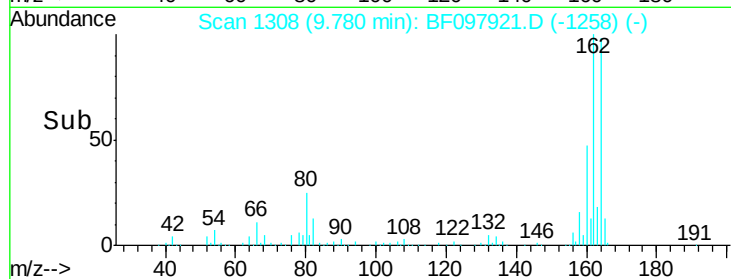
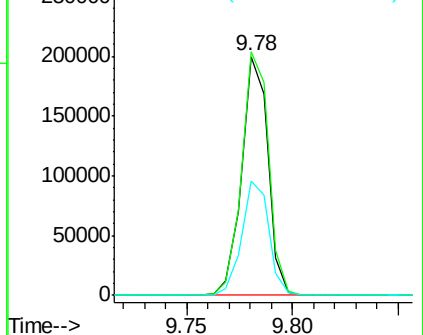
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6

Tot Ion:164 Resp: 171678
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 48.0 36.2 54.2

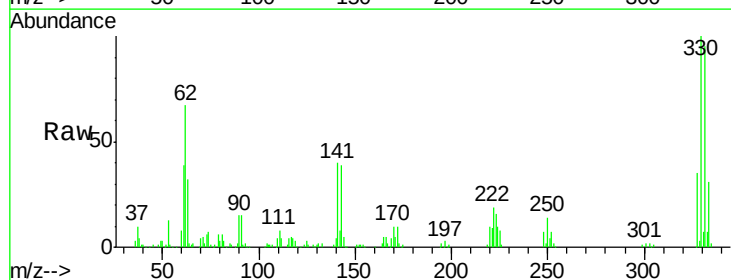


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

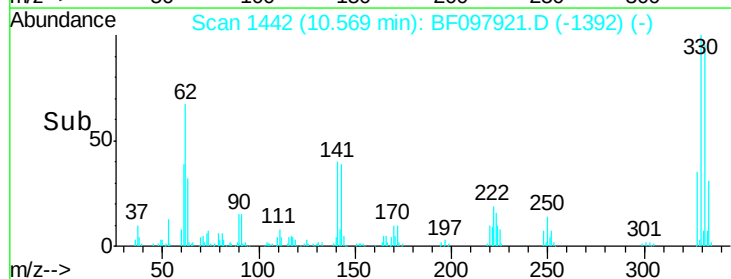
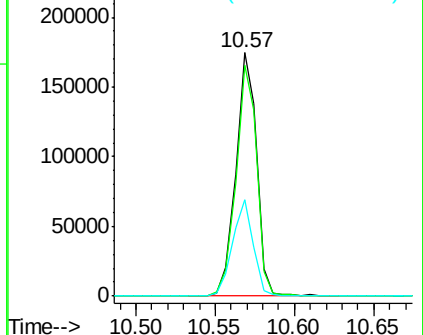


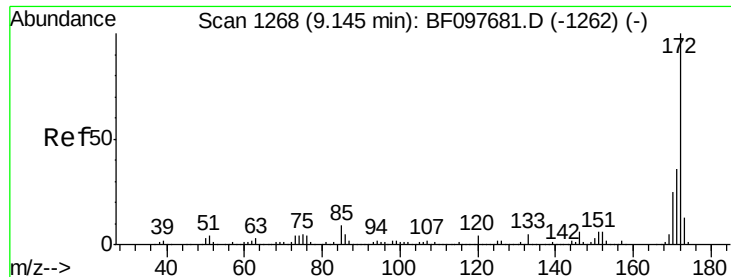
#41
 2,4,6-Tribromophenol
 Concen: 106.50 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

Tgt Ion:330 Resp: 158645
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.9 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

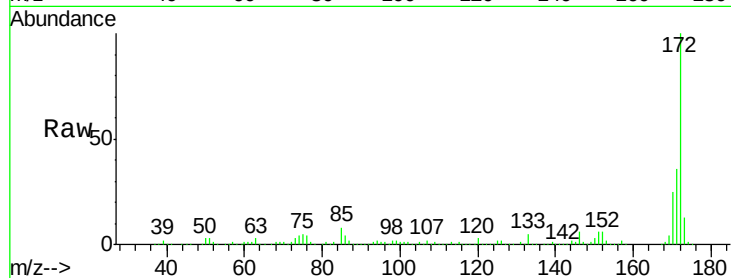




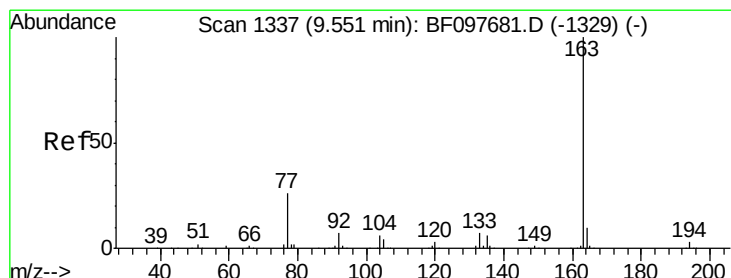
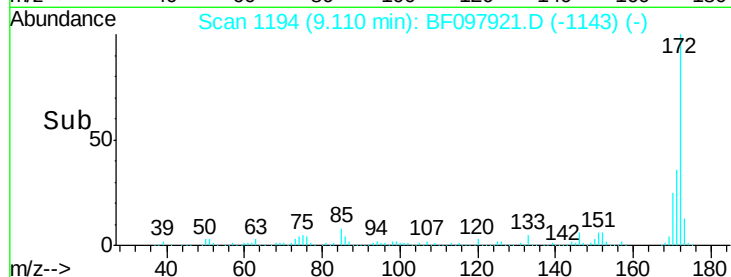
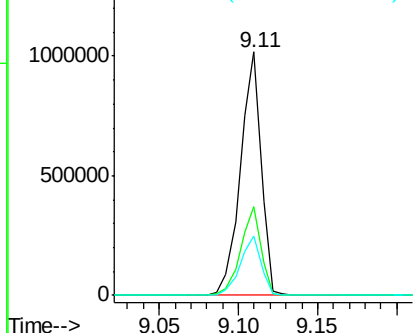
#44
2-Fluorobiphenyl
Concen: 78.80 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF097921.D
Acq: 21 Aug 2017 22:38

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6

Tot Ion:172 Resp: 920755
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.5 19.8 29.8

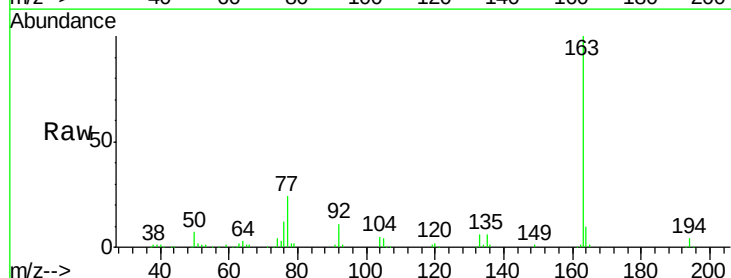


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

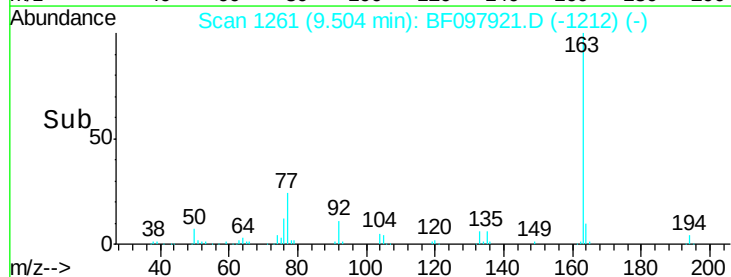
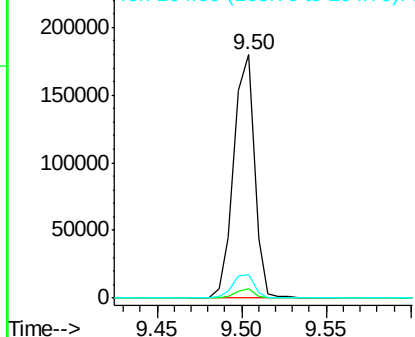


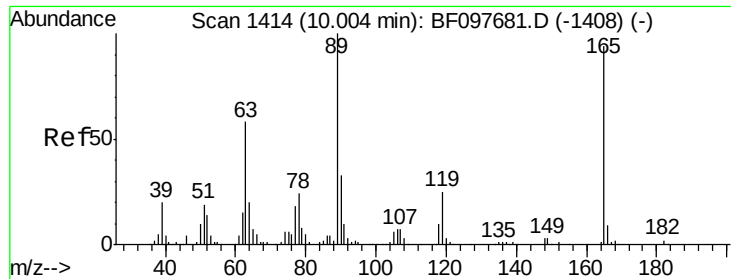
#49
Dimethylphthalate
Concen: 12.24 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097921.D
Acq: 21 Aug 2017 22:38

Tgt Ion:163 Resp: 153660
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.7 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: 6.91 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.19 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6

Tot Ion:165 Resp: 21730

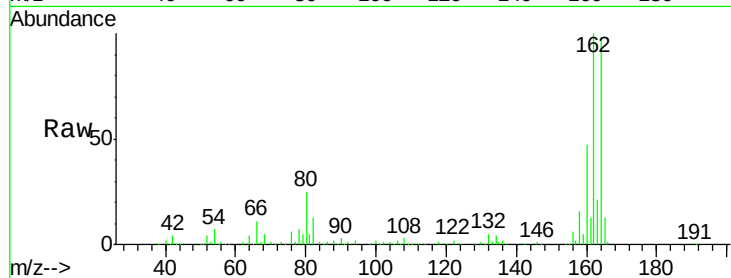
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

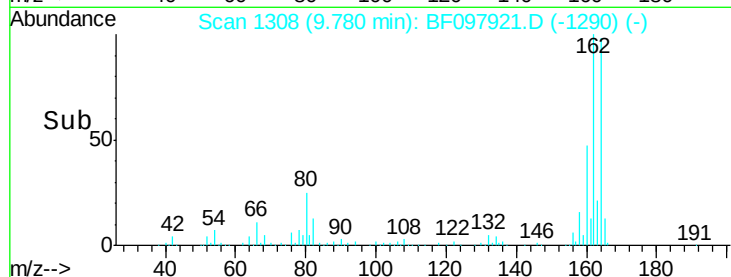


Abundance Ion 165.00 (164.70 to 165.70): E

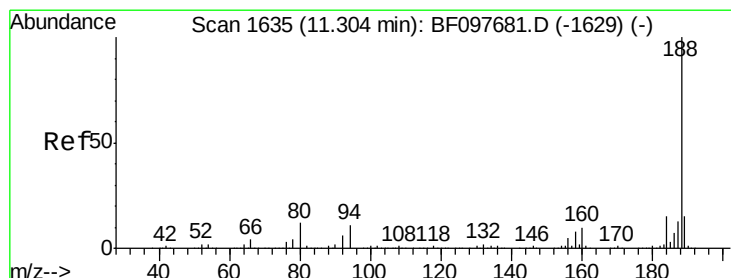
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

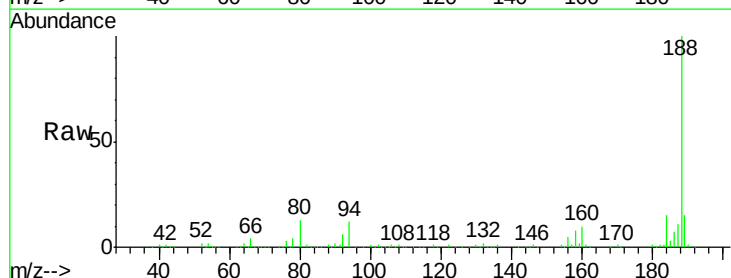
Tgt Ion:188 Resp: 288392

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

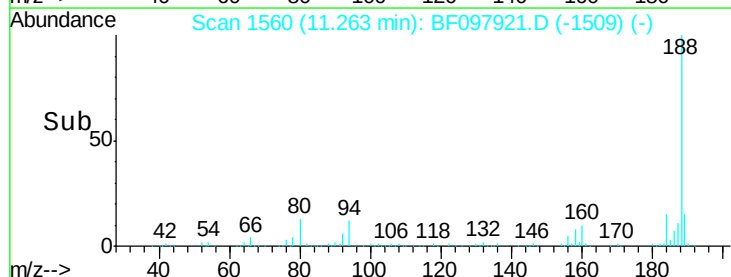
80 12.9 10.2 15.2



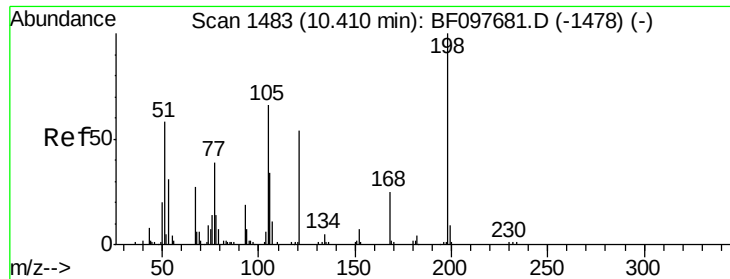
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



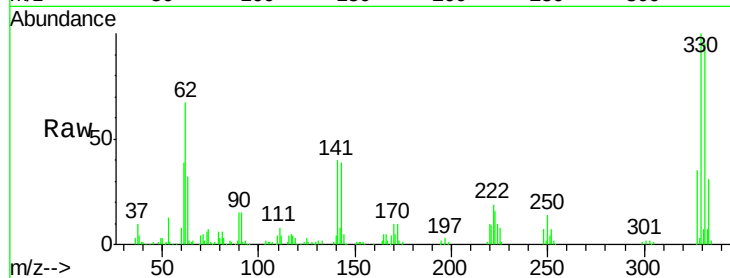
Time-->



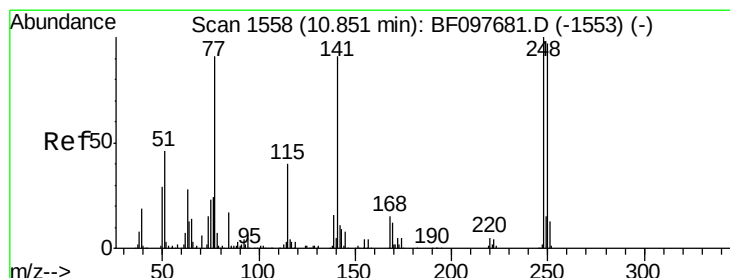
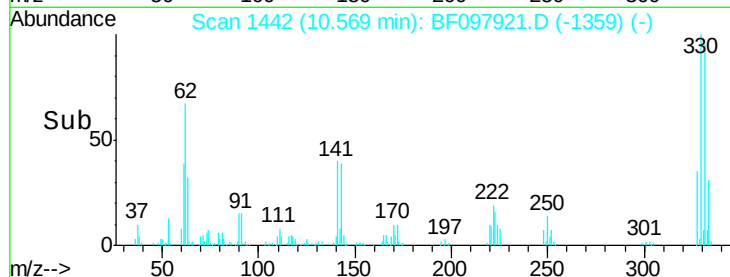
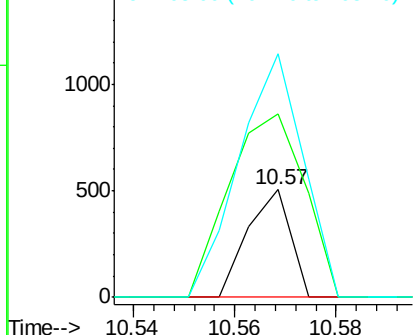
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.50 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6

Tot Ion	Ratio	Lower	Upper
198	100		
51	171.1	53.2	93.2#
105	226.3	45.8	85.8#

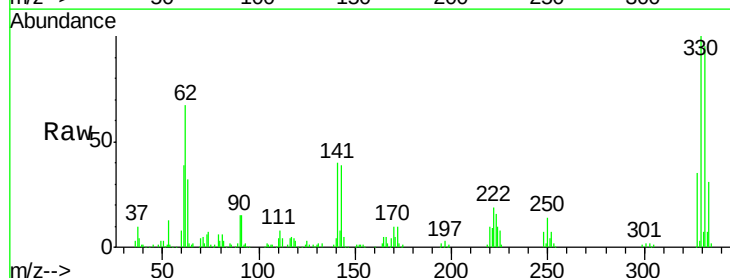


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

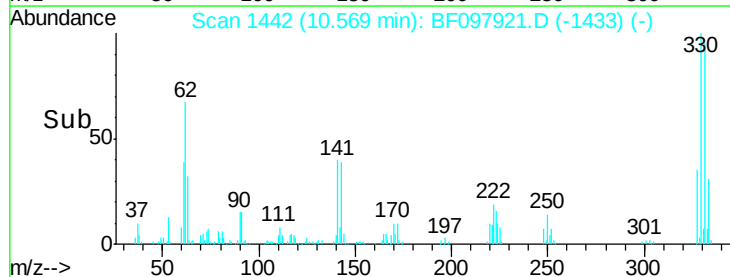
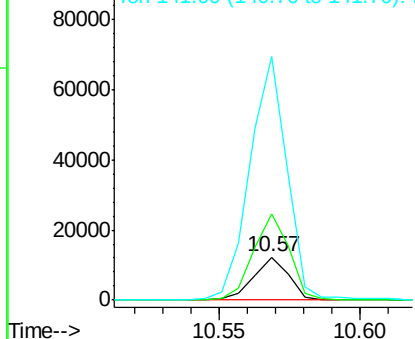


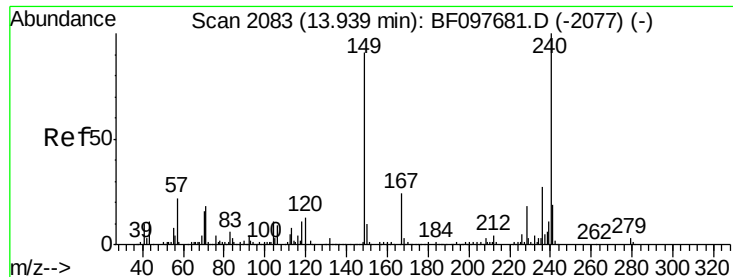
#66
 4-Bromophenyl-phenylether
 Concen: 3.52 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097921.D
 Acq: 21 Aug 2017 22:38

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.0	76.8	115.2#
141	569.7	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: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6

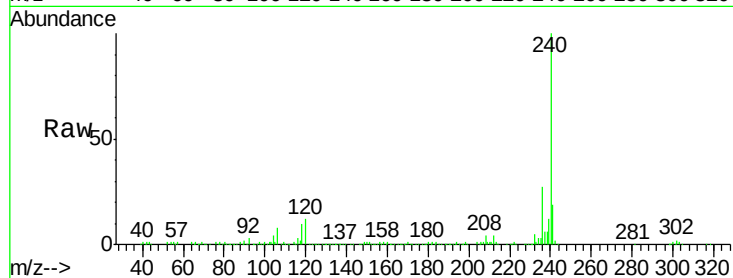
Tot Ion:240 Resp: 247842

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

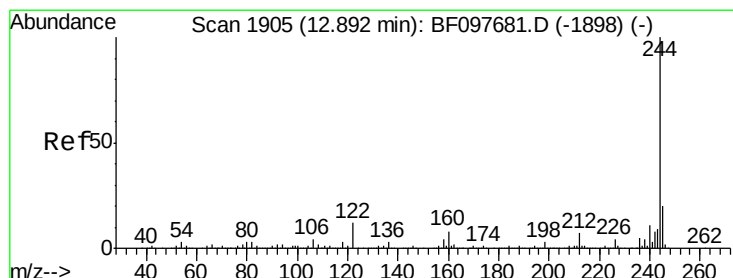
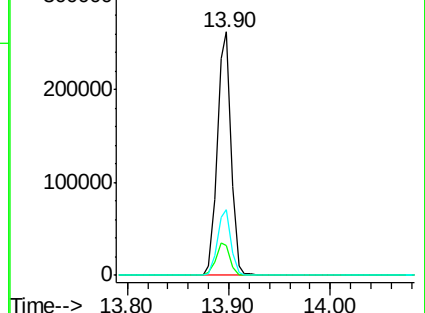
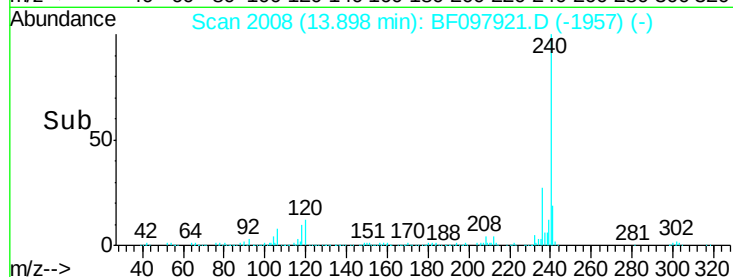
236 27.1 20.5 30.7



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: 54.91 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097921.D

Acq: 21 Aug 2017 22:38

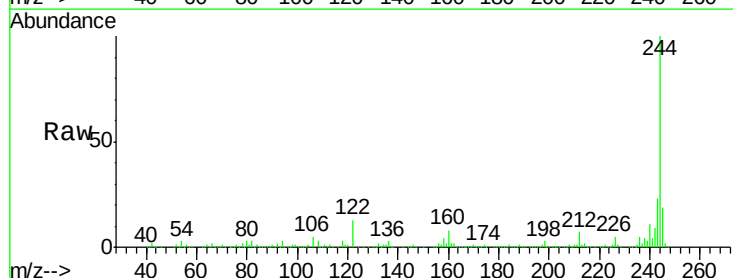
Tgt Ion:244 Resp: 652568

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

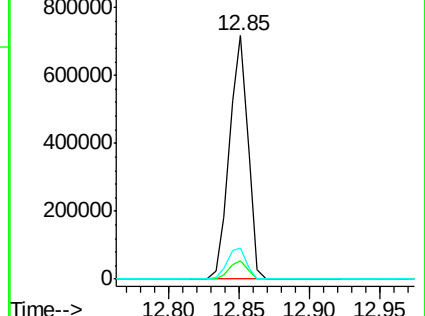
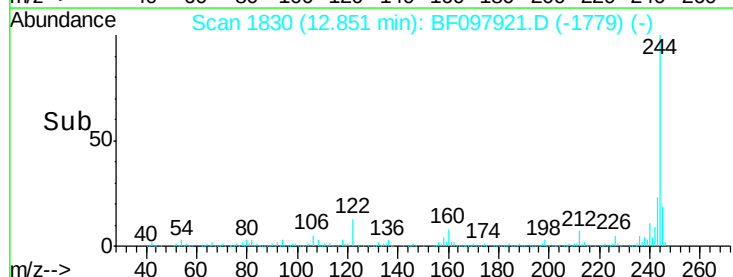
122 12.9 10.3 15.5

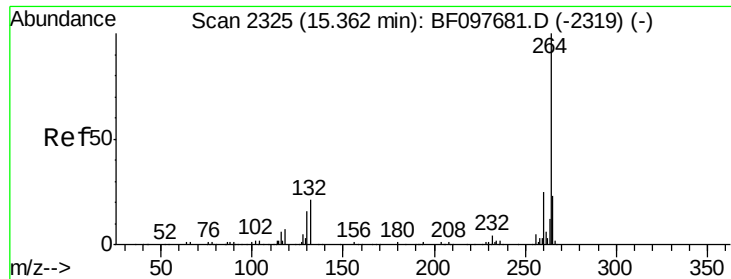


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097921.D
Acq: 21 Aug 2017 22:38

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.3	19.5	29.3	
265	22.6	17.2	25.8	

