

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
 Data File : BF097731.D
 Acq On : 16 Aug 2017 10:36
 Operator : SJ/JU
 Sample : I4703-04
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-G9-SSW

Quant Time: Aug 16 12:16:16 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	136462	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	526081	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	212918	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	337128	20.00	ng	0.00
75) Chrysene-d12	13.93	240	295746	20.00	ng	0.00
86) Perylene-d12	15.37	264	223231	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	827715	92.26	ng	0.00
7) Phenol-d6	6.42	99	1090295	89.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	666960	68.87	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	154033	83.38	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	826976	57.06	ng	0.00
78) Terphenyl-d14	12.89	244	490441	34.58	ng	0.00

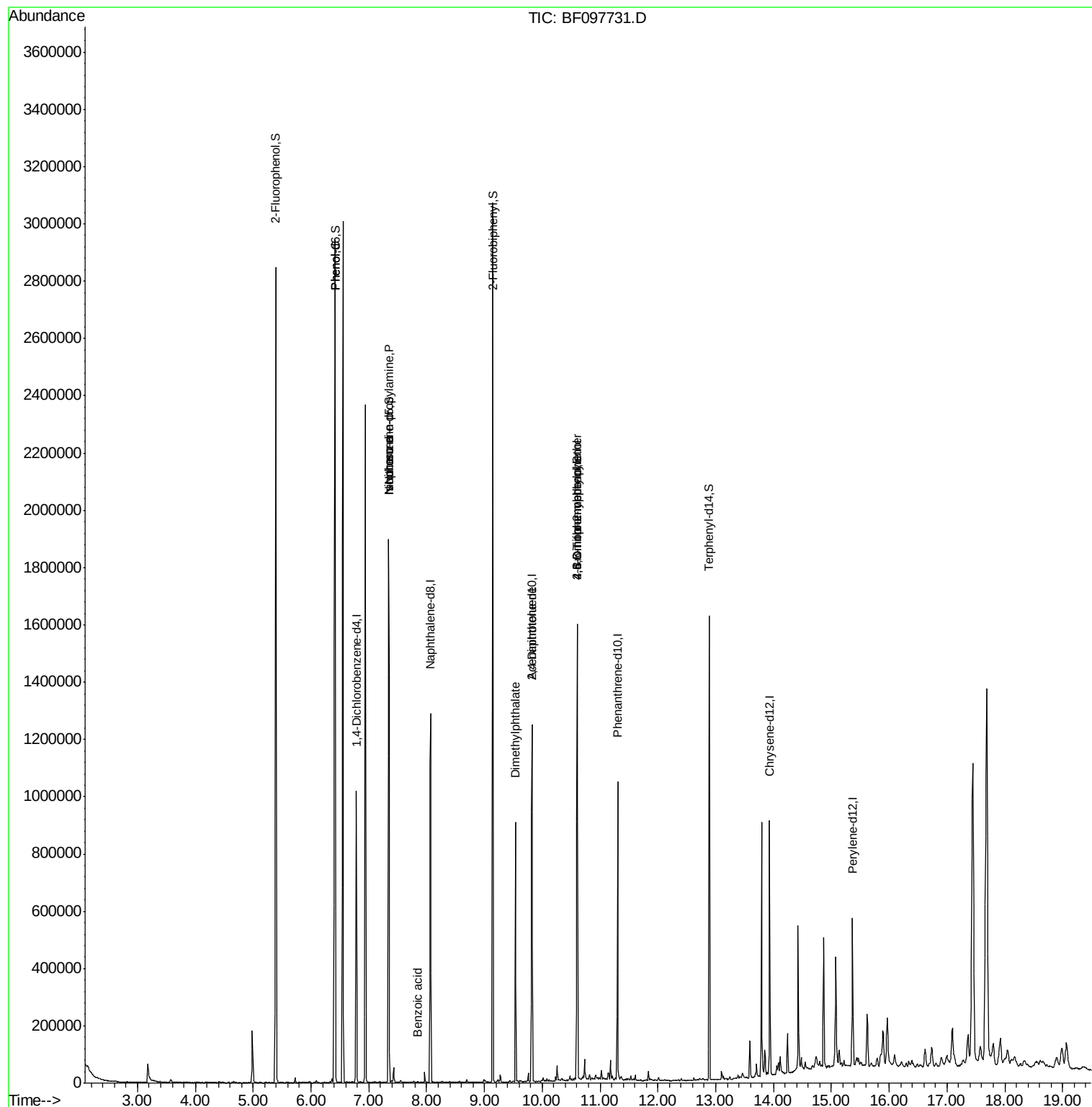
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	40859	2.866	ng	94
19) n-Nitroso-di-n-propylamine	7.35	70	90181	10.807	ng	# 72
25) Isophorone	7.35	82	666287	33.088	ng	# 67
32) Benzoic acid	7.85	122	133	6.423	ng	# 84
49) Dimethylphthalate	9.54	163	280766	18.040	ng	99
56) 2,4-Dinitrotoluene	9.82	165	26940	6.910	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	446	8.553	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	10735	3.066	ng	# 1

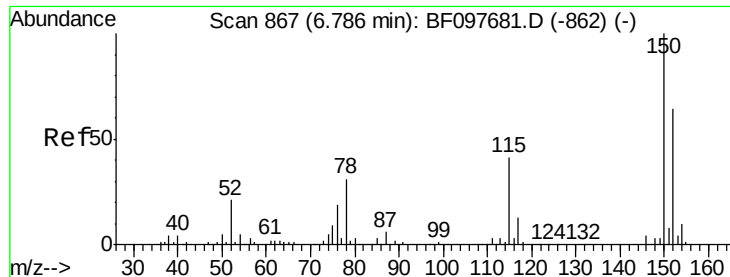
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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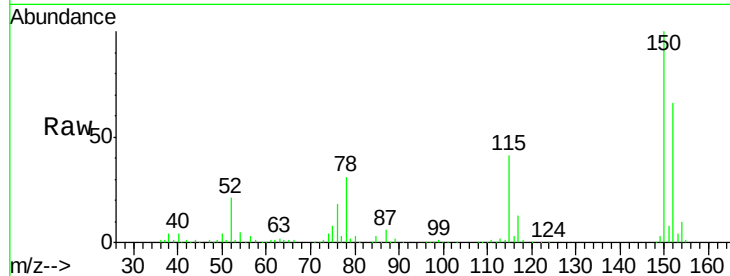


#1

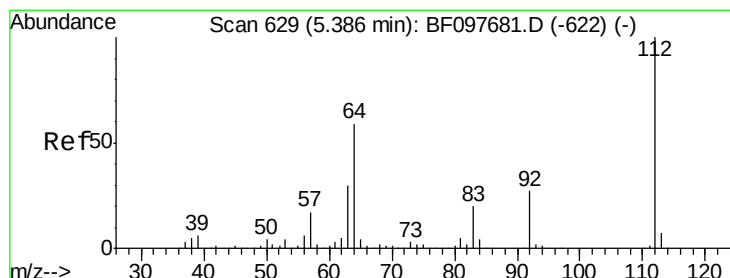
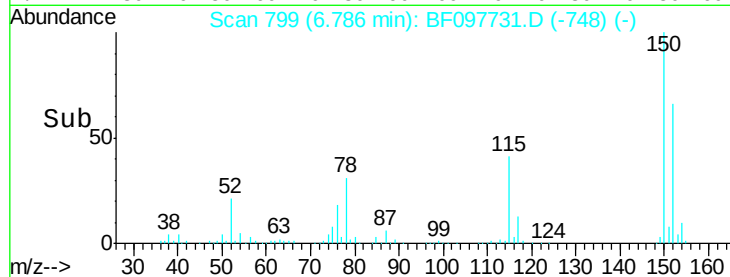
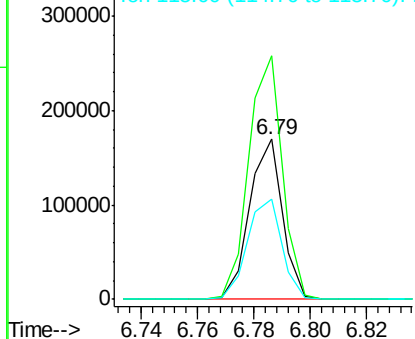
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF097731.D
 Acq: 16 Aug 2017 10:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-G9-SSW

Tgt Ion:152 Resp: 136462
 Ion Ratio Lower Upper
 152 100
 150 152.0 126.2 189.2
 115 62.5 52.2 78.2



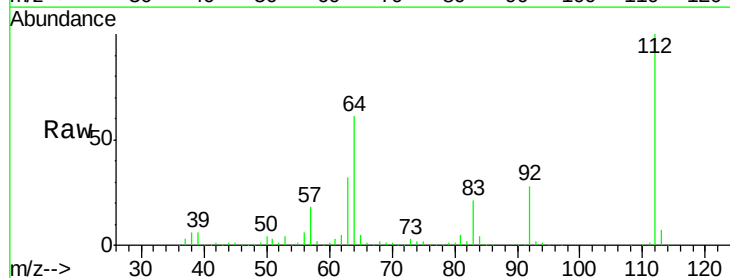
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



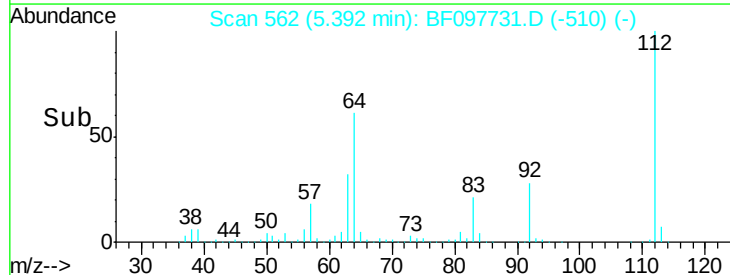
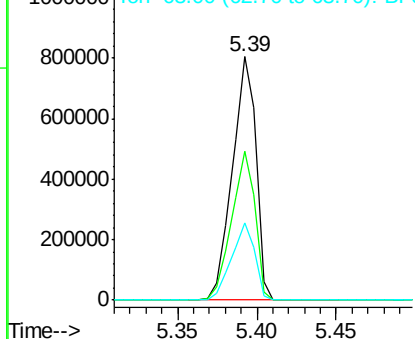
#5

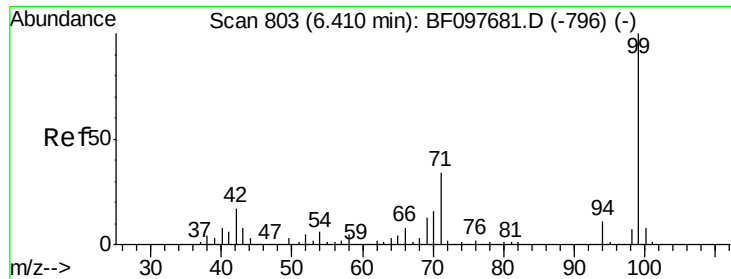
2-Fluorophenol
 Concen: 92.261 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF097731.D
 Acq: 16 Aug 2017 10:36

Tgt Ion:112 Resp: 827715
 Ion Ratio Lower Upper
 112 100
 64 61.0 46.0 69.0
 63 31.5 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: 89.445 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Instrument :

BNA_F

ClientSampleId :

E2-G9-SSW

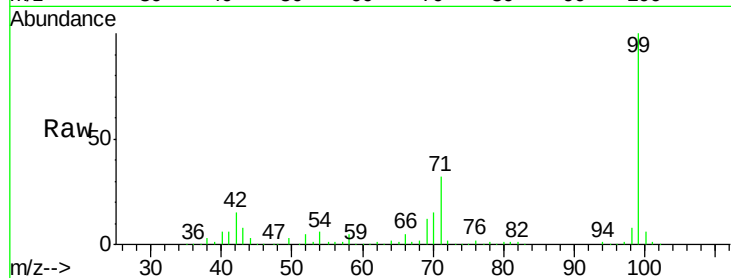
Tgt Ion: 99 Resp: 1090295

Ion Ratio Lower Upper

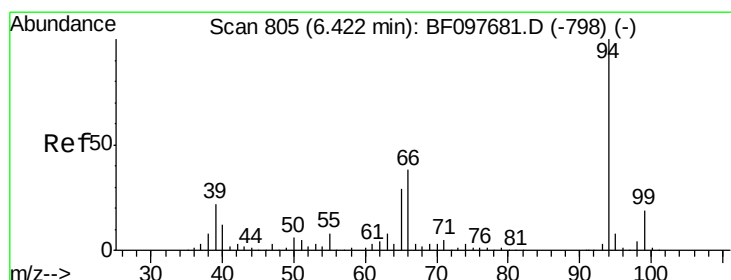
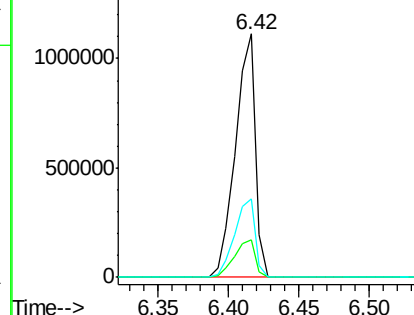
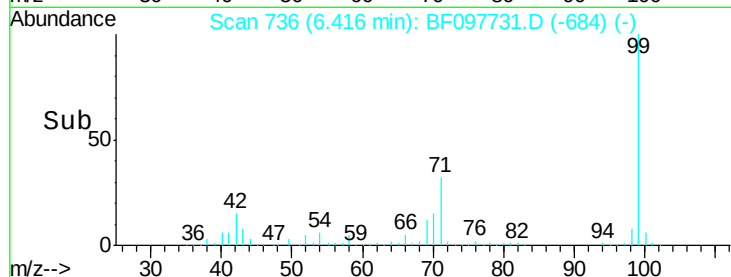
99 100

42 15.2 13.5 20.3

71 32.3 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: 2.866 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

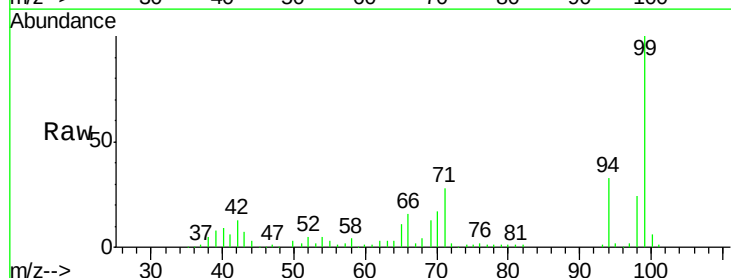
Tgt Ion: 94 Resp: 40859

Ion Ratio Lower Upper

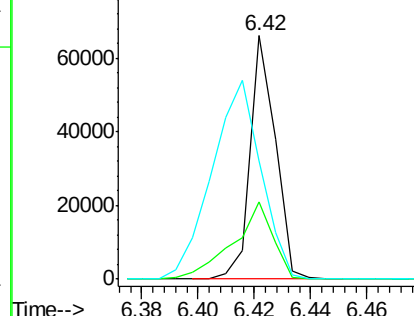
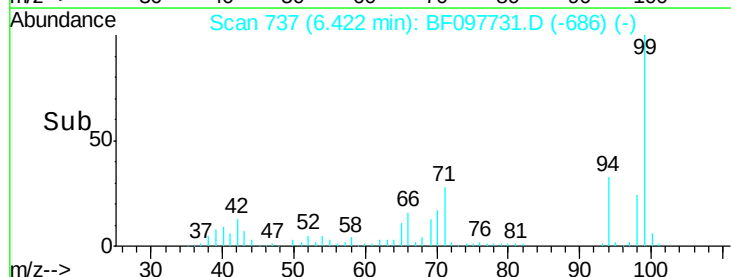
94 100

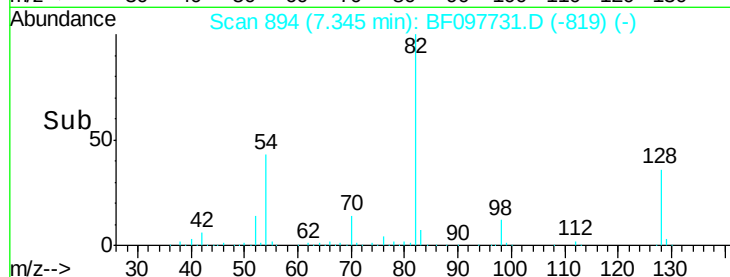
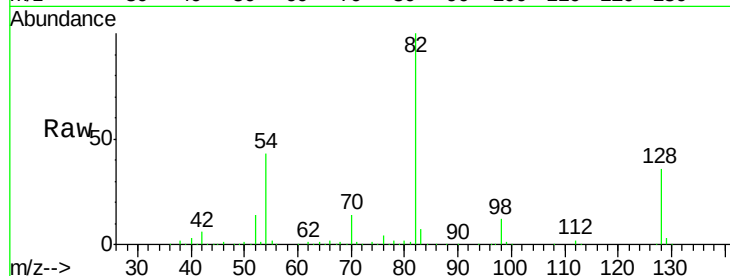
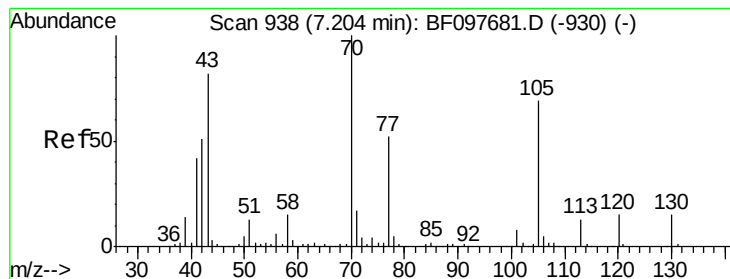
65 31.5 9.9 49.9

66 48.3 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: 10.807 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

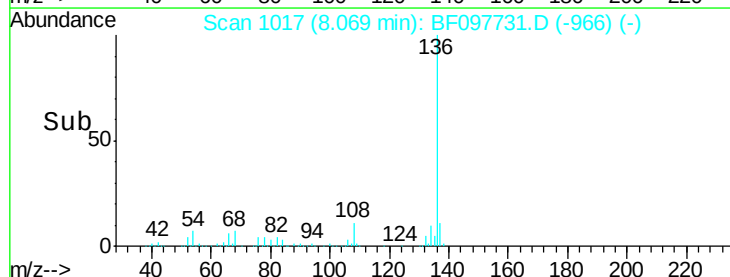
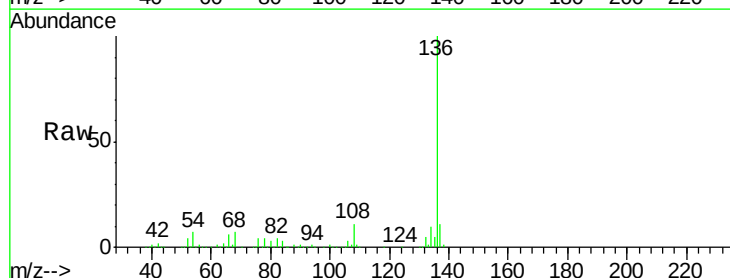
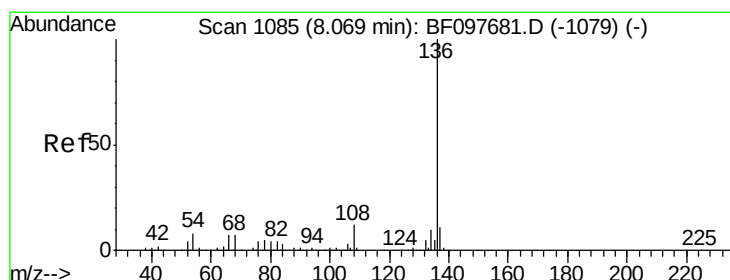
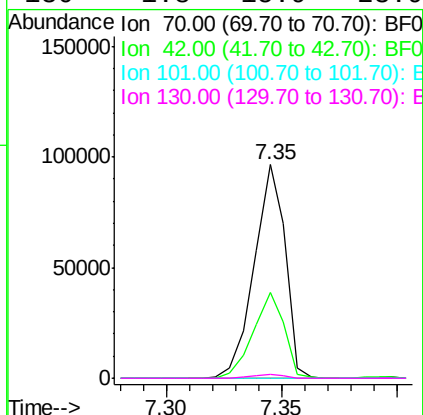
Instrument :

BNA_F

ClientSampleId :

E2-G9-SSW

Tgt Ion:	70	Resp:	90181
Ion	Ratio	Lower	Upper
70	100		
42	40.4	47.2	70.8#
101	0.0	7.2	10.8#
130	1.8	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.000 ng

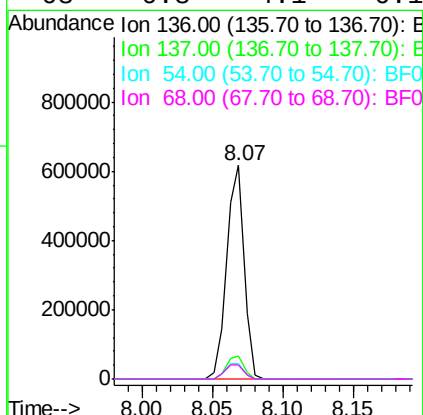
RT: 8.07 min Scan# 1017

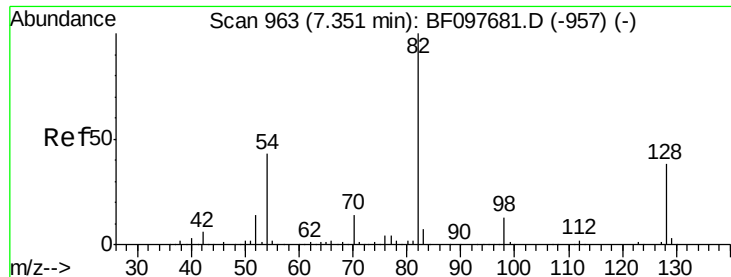
Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Tgt Ion:	136	Resp:	526081
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.3	4.9	7.3
68	6.8	4.1	6.1#

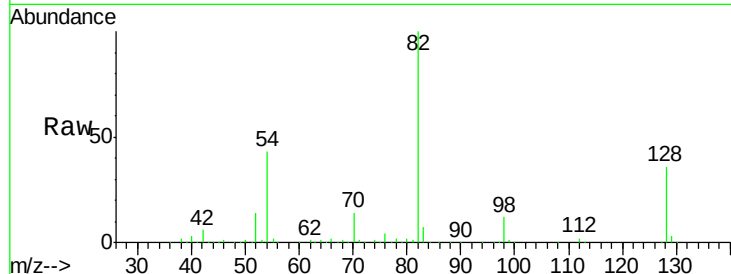




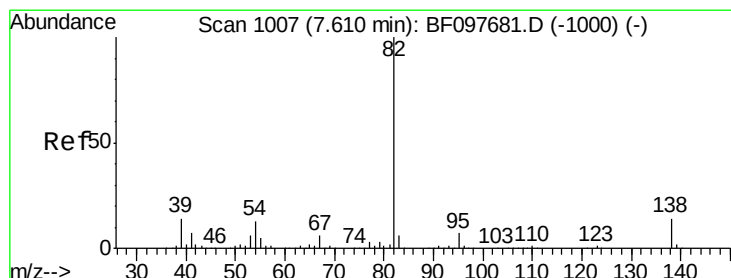
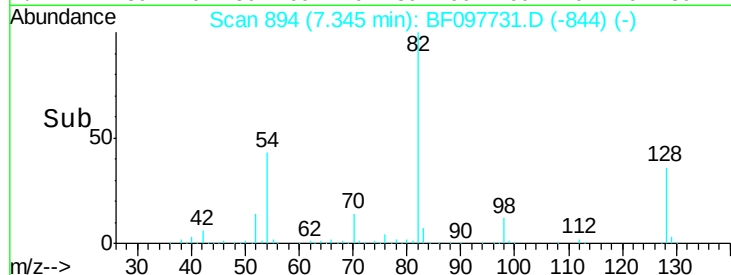
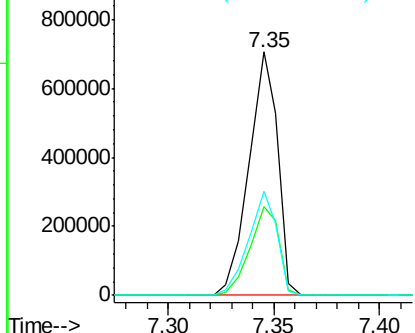
#23
 Nitrobenzene-d5
 Concen: 68.872 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097731.D
 Acq: 16 Aug 2017 10:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-G9-SSW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.5	34.0	51.0
54	42.7	42.2	63.2

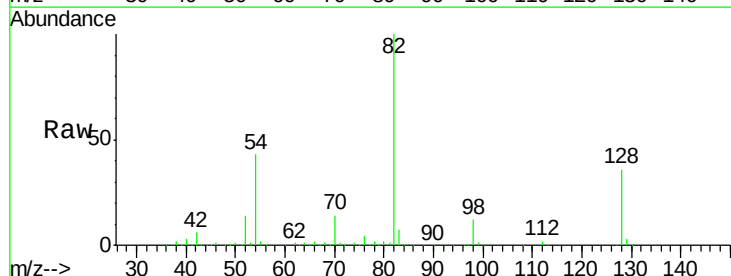


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

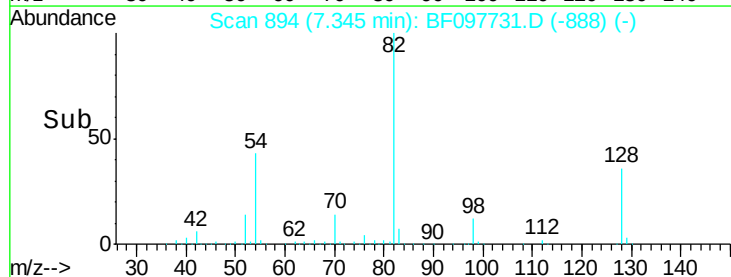
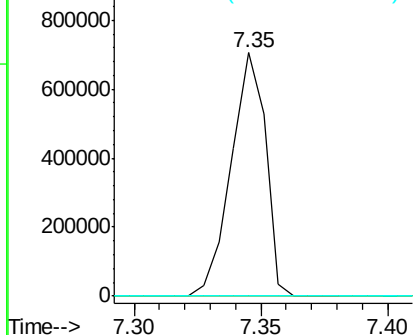


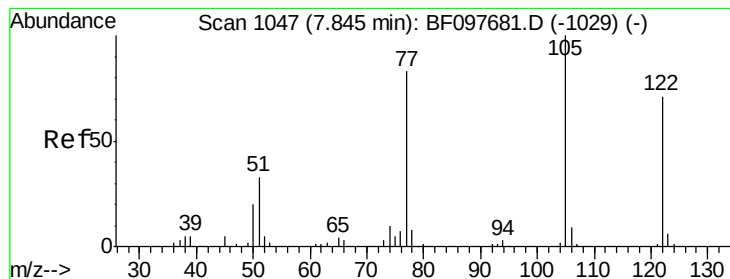
#25
 Isophorone
 Concen: 33.088 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF097731.D
 Acq: 16 Aug 2017 10:36

Tgt 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): BF0





#32

Benzoic acid

Concen: 6.423 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

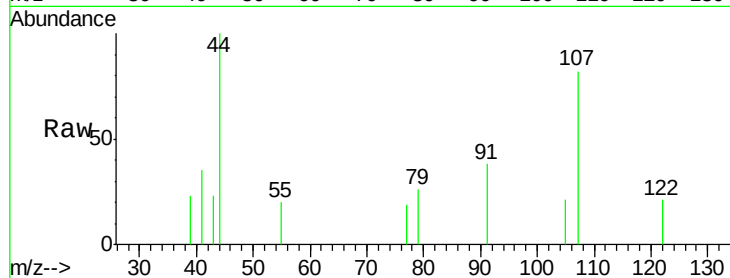
Instrument :

BNA_F

ClientSampleId :

E2-G9-SSW

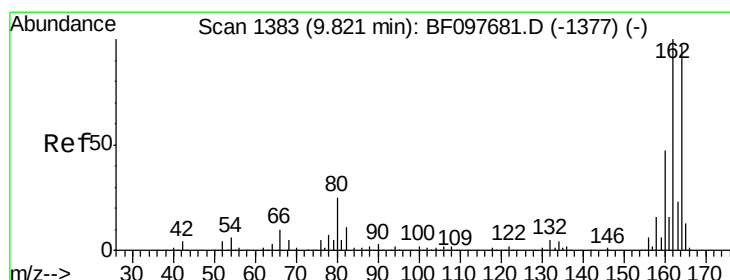
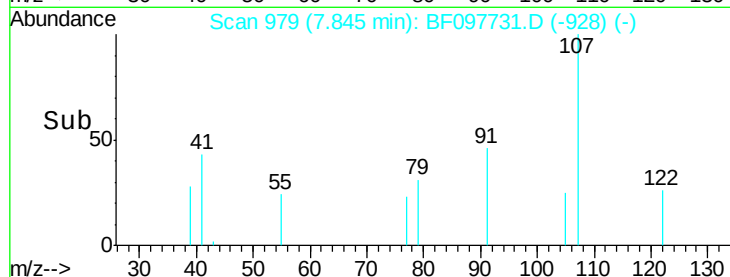
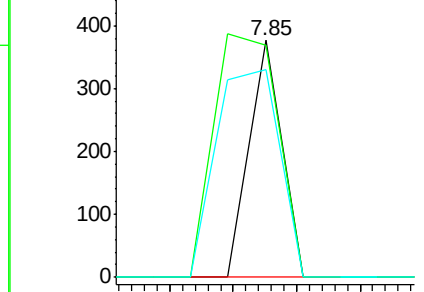
Tgt Ion:	122	Resp:	133
Ion	Ratio	Lower	Upper
122	100		
105	97.9	103.3	143.3#
77	87.5	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

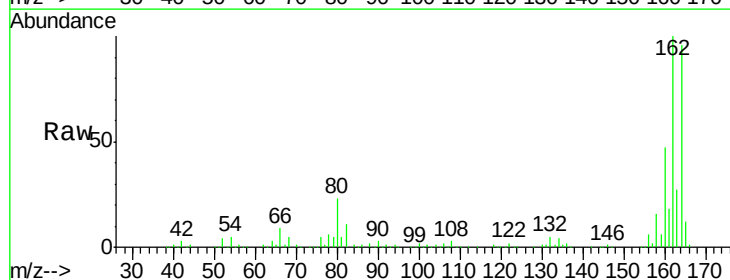
RT: 9.82 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

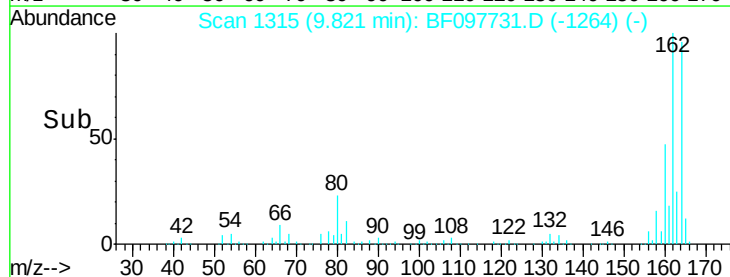
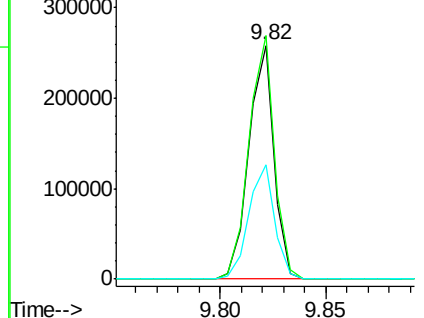
Tgt Ion:	164	Resp:	212918
Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	48.7	36.2	54.2

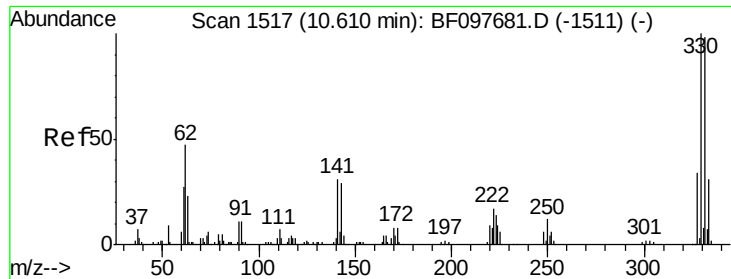


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 83.378 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Instrument :

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ClientSampleId :

E2-G9-SSW

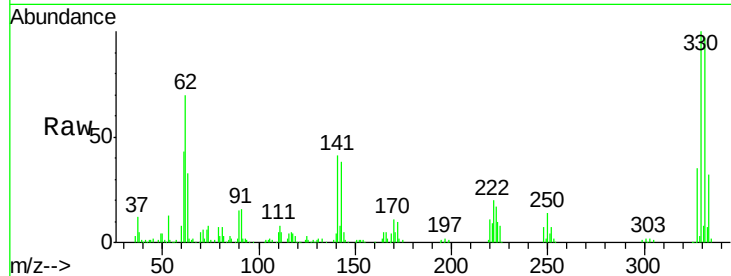
Tgt Ion:330 Resp: 154033

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

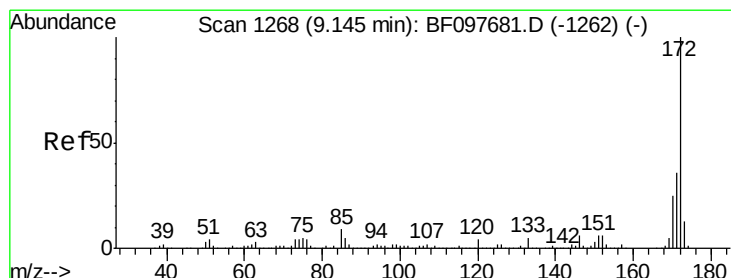
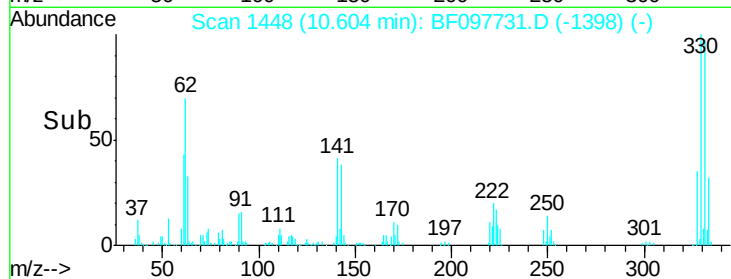
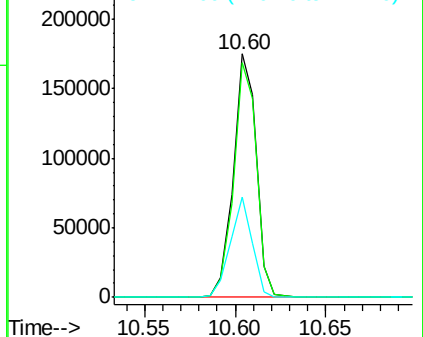
141 39.7 31.4 47.2



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: 57.064 ng

RT: 9.14 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

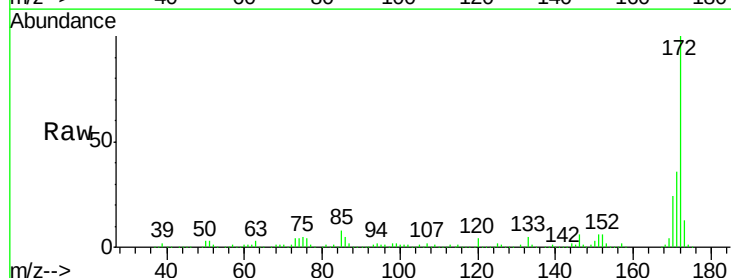
Tgt Ion:172 Resp: 826976

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

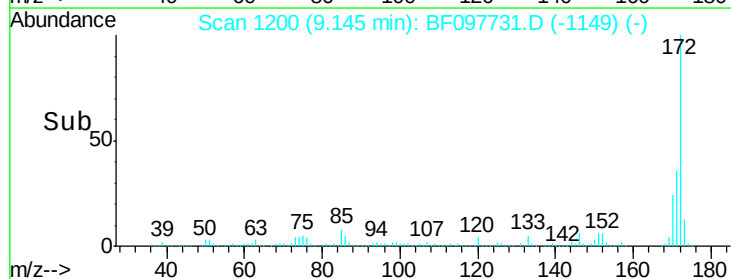
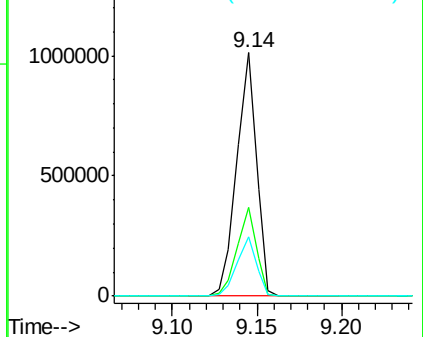
170 24.4 19.8 29.8

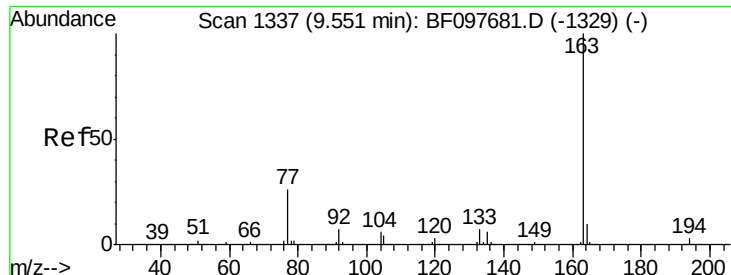


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

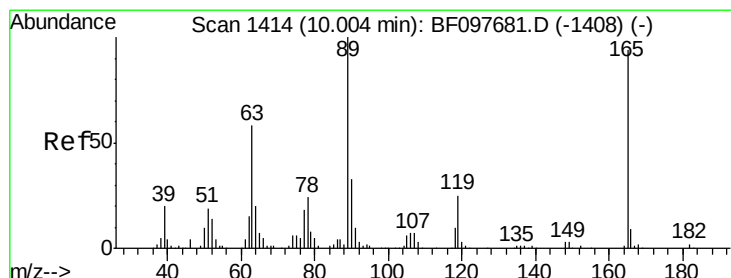
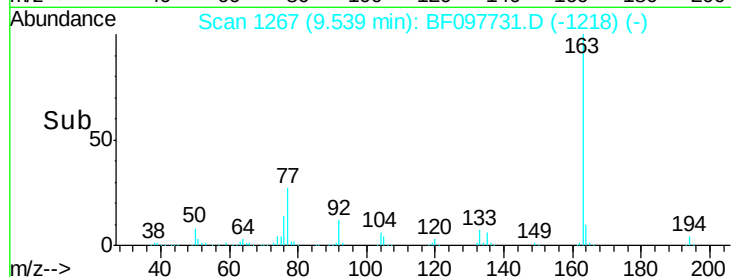
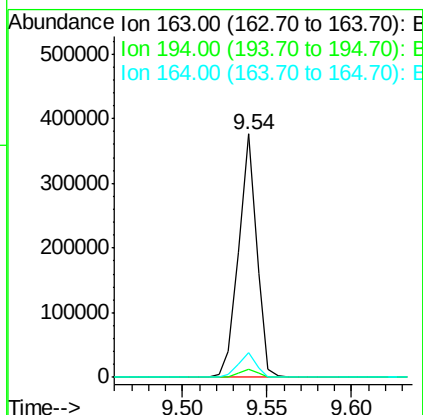
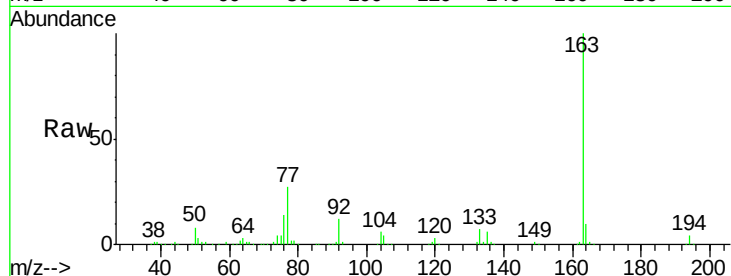




#49
Dimethylphthalate
Concen: 18.040 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097731.D
Acq: 16 Aug 2017 10:36

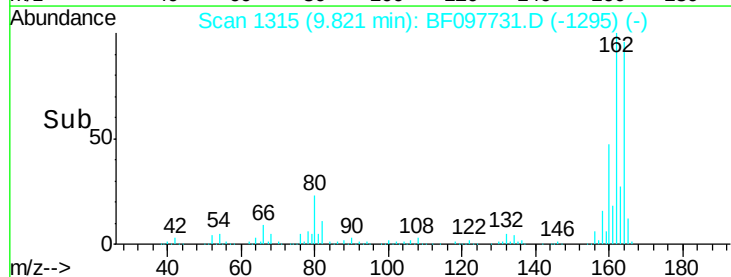
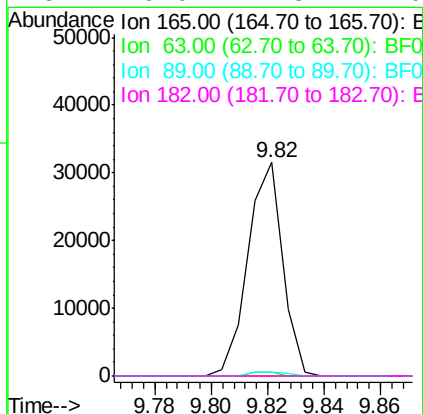
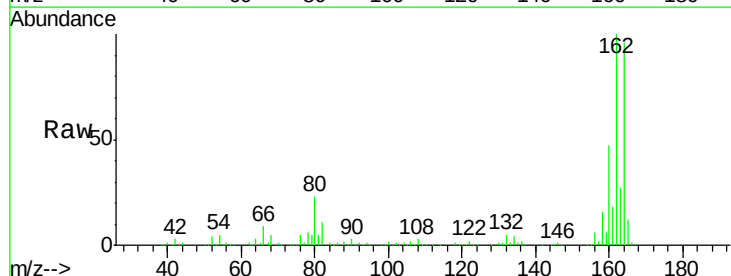
Instrument :
BNA_F
ClientSampleId :
E2-G9-SSW

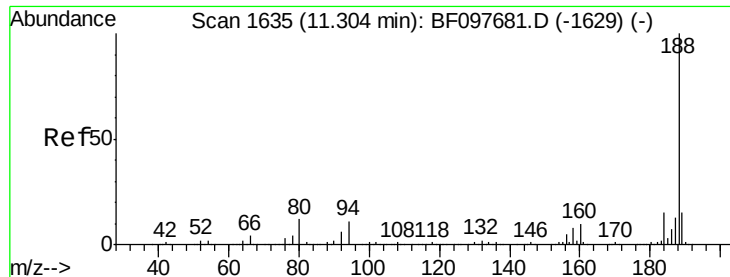
Tgt Ion:163 Resp: 280766
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.910 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.18 min
Lab File: BF097731.D
Acq: 16 Aug 2017 10:36

Tgt Ion:165 Resp: 26940
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 2.0 46.4 69.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Instrument :

BNA_F

ClientSampleId :

E2-G9-SSW

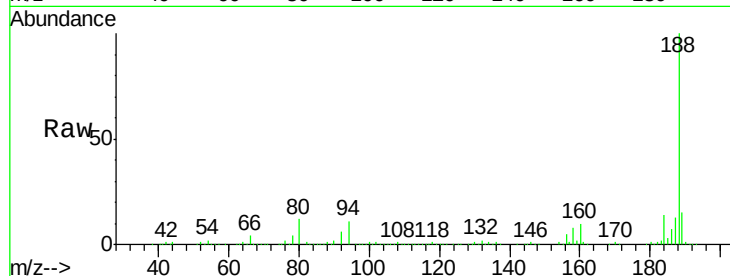
Tgt Ion:188 Resp: 337128

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

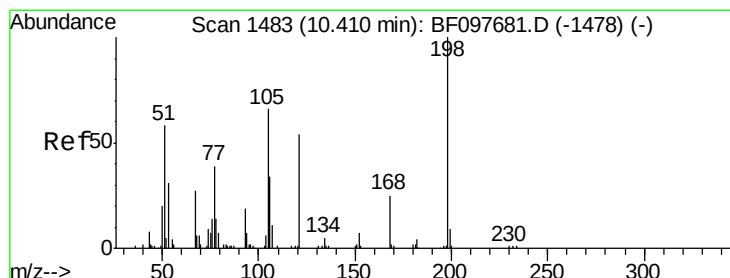
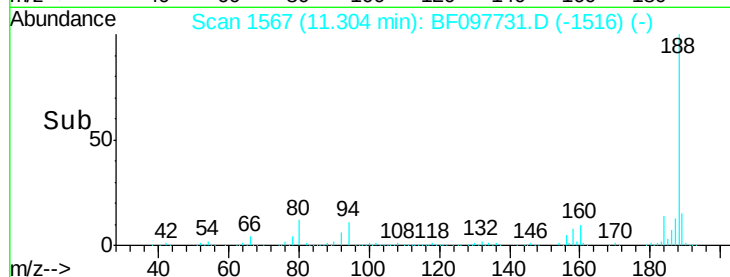
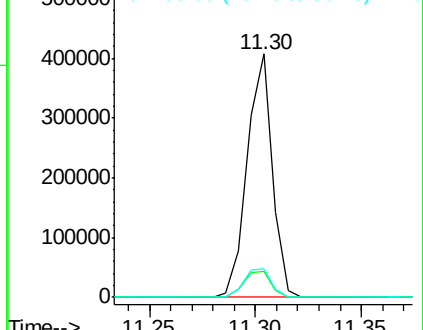
80 11.9 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.553 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.19 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

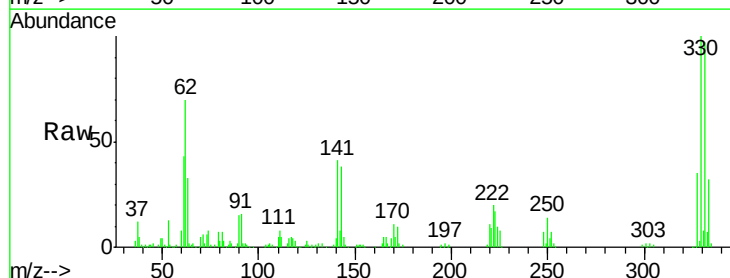
Tgt Ion:198 Resp: 446

Ion Ratio Lower Upper

198 100

51 192.7 53.2 93.2#

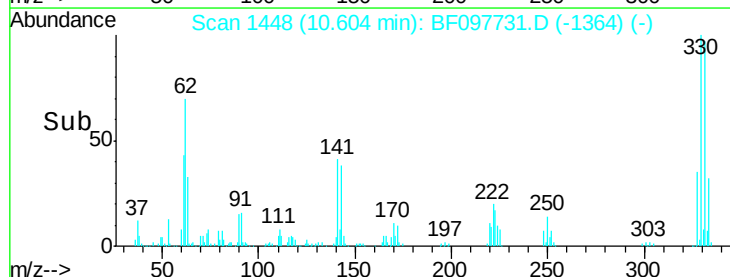
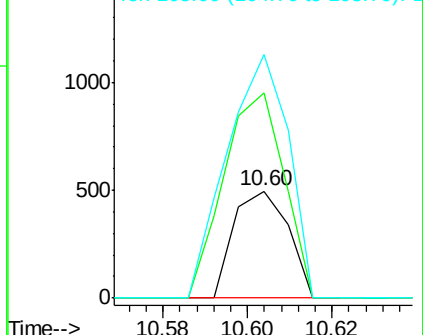
105 228.3 45.8 85.8#

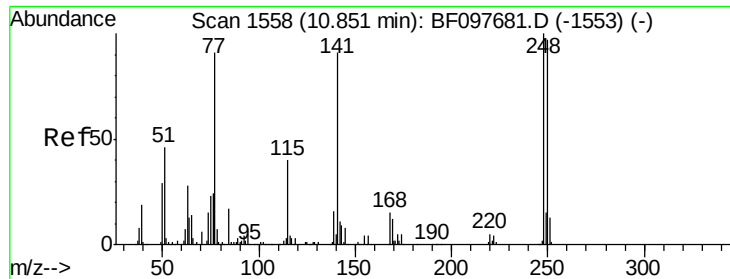


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

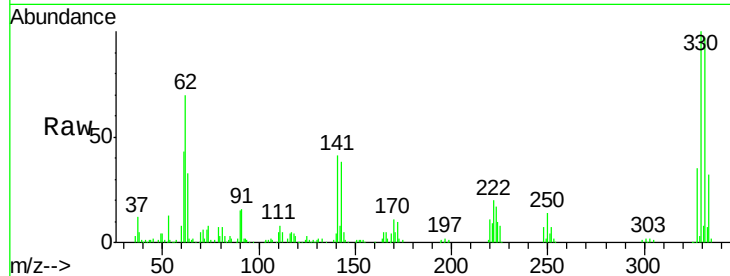




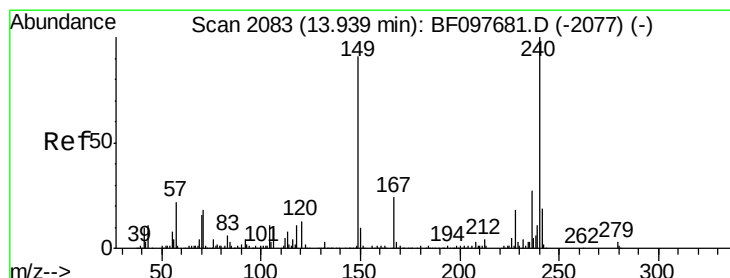
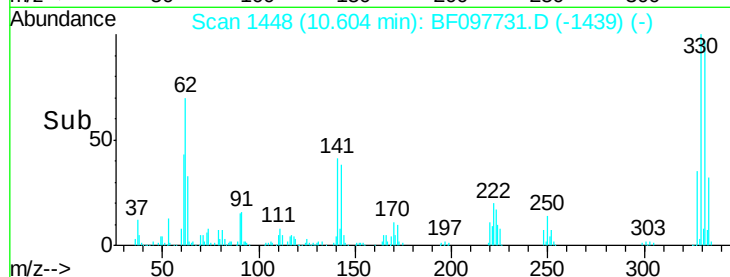
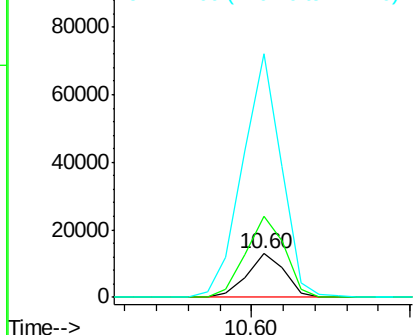
#66
4-Bromophenyl-phenylether
Concen: 3.066 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF097731.D
Acq: 16 Aug 2017 10:36

Instrument :
BNA_F
ClientSampleId :
E2-G9-SSW

Tgt Ion:248 Resp: 10735
Ion Ratio Lower Upper
248 100
250 186.3 76.8 115.2#
141 559.9 68.6 103.0#

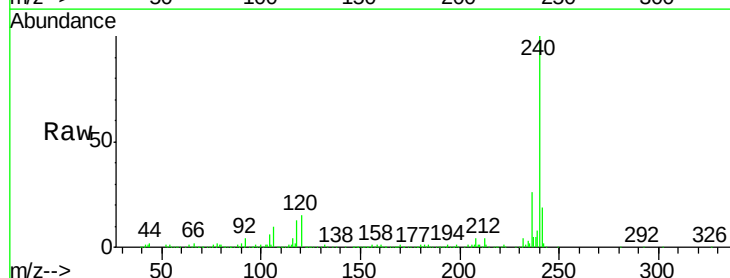


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

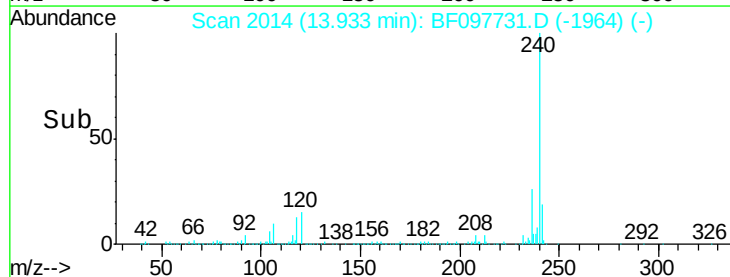
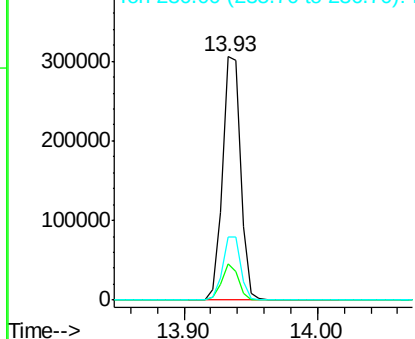


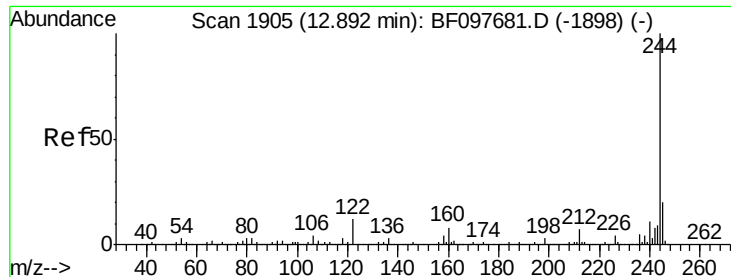
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097731.D
Acq: 16 Aug 2017 10:36

Tgt Ion:240 Resp: 295746
Ion Ratio Lower Upper
240 100
120 15.1 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





#78

Terphenyl-d14

Concen: 34.582 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Instrument :

BNA_F

ClientSampleId :

E2-G9-SSW

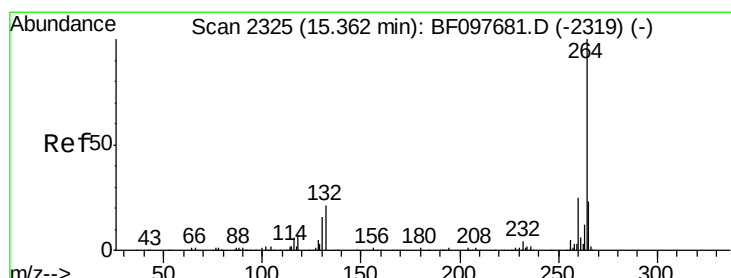
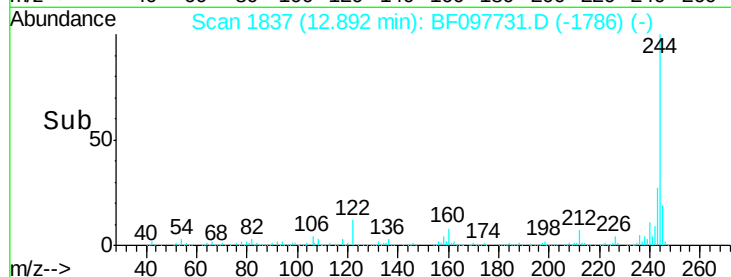
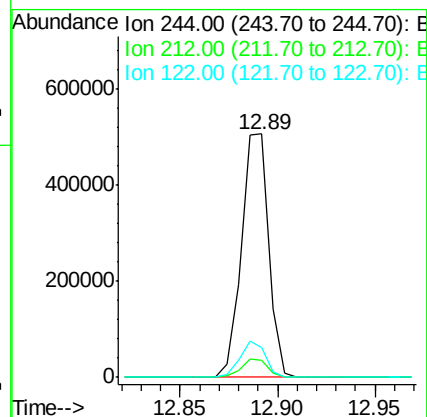
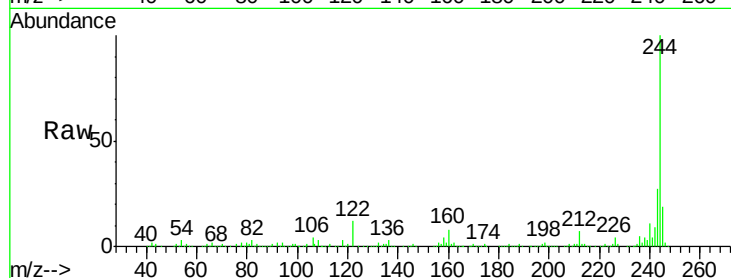
Tgt Ion:244 Resp: 490441

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 12.3 10.3 15.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF097731.D

Acq: 16 Aug 2017 10:36

Tgt Ion:264 Resp: 223231

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.4 17.2 25.8

