

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097747.D
 Acq On : 16 Aug 2017 19:08
 Operator : SJ/JU
 Sample : I4793-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-C

Quant Time: Aug 17 01:24:10 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

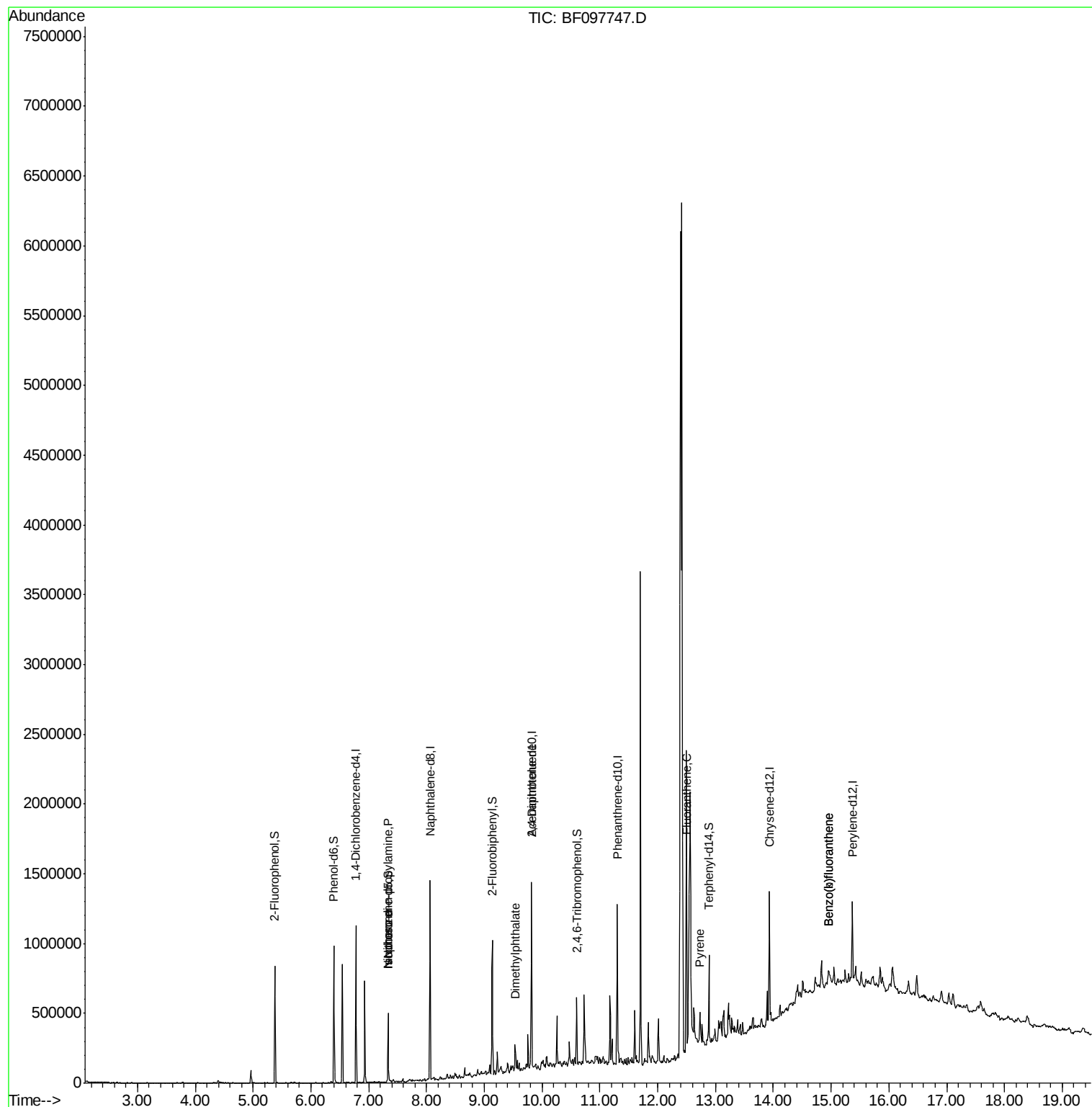
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	139343	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	535479	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	224221	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	363542	20.00	ng	0.00
75) Chrysene-d12	13.93	240	293755	20.00	ng	0.00
86) Perylene-d12	15.37	264	258840	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	209147	22.83	ng	-0.01
7) Phenol-d6	6.40	99	278364	22.36	ng	-0.01
23) Nitrobenzene-d5	7.33	82	161429	16.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	37455	19.25	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	260237	17.05	ng	0.00
78) Terphenyl-d14	12.89	244	165827	11.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	22285	2.62	ng	# 78
25) Isophorone	7.33	82	161167	7.86	ng	# 67
49) Dimethylphthalate	9.53	163	44315	2.70	ng	# 98
56) 2,4-Dinitrotoluene	9.82	165	30667	7.47	ng	# 34
74) Fluoranthene	12.51	202	46528	2.30	ng	95
77) Pyrene	12.74	202	50054	2.08	ng	94
87) Benzo(b)fluoranthene	14.96	252	51734	3.17	ng	# 72
88) Benzo(k)fluoranthene	14.96	252	51734	3.38	ng	# 77

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

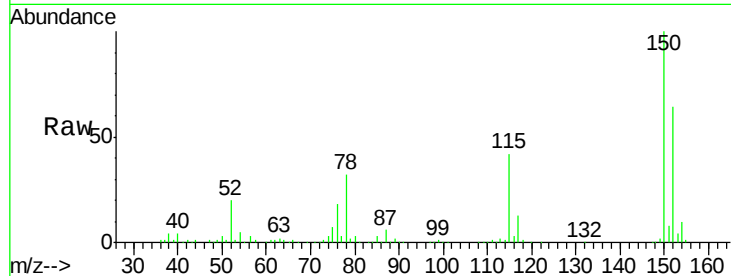
Tot Ion:152 Resp: 139343

Ion Ratio Lower Upper

152 100

150 156.5 126.2 189.2

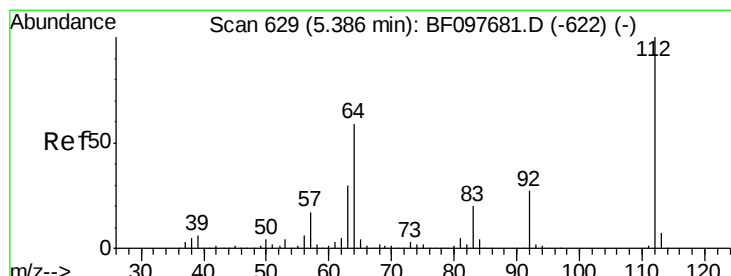
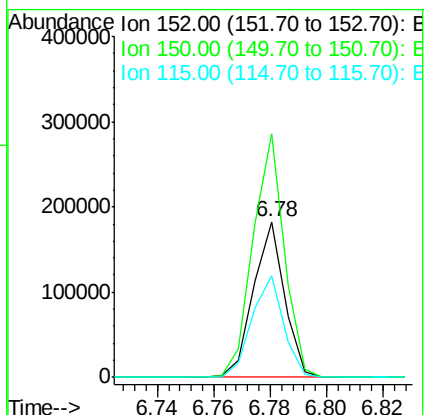
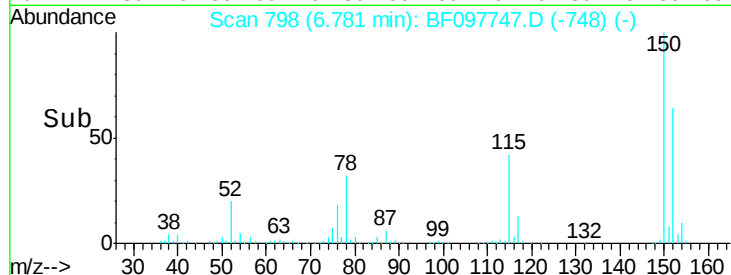
115 65.3 52.2 78.2



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: 22.83 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

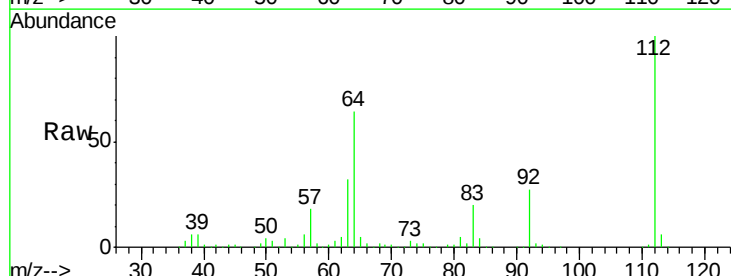
Tgt Ion:112 Resp: 209147

Ion Ratio Lower Upper

112 100

64 64.4 46.0 69.0

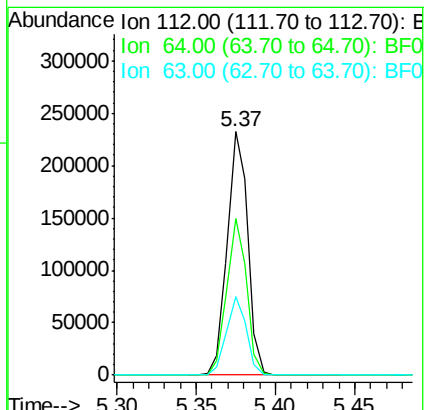
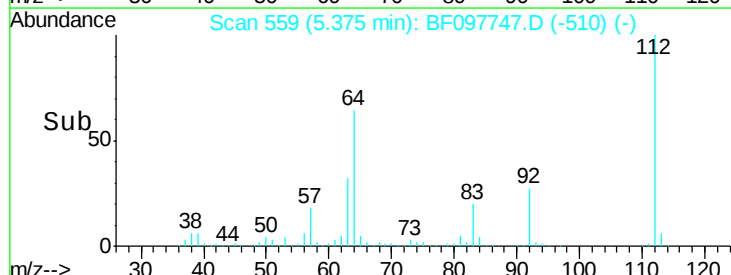
63 32.4 23.4 35.0

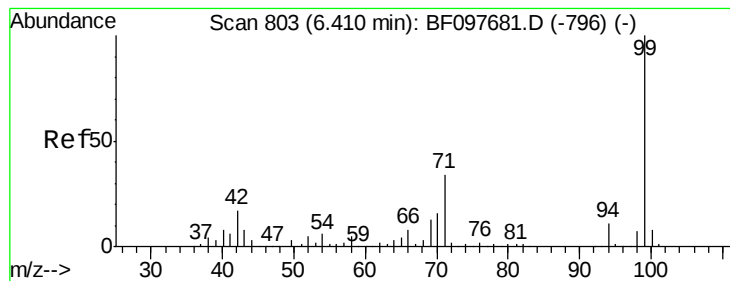


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.36 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

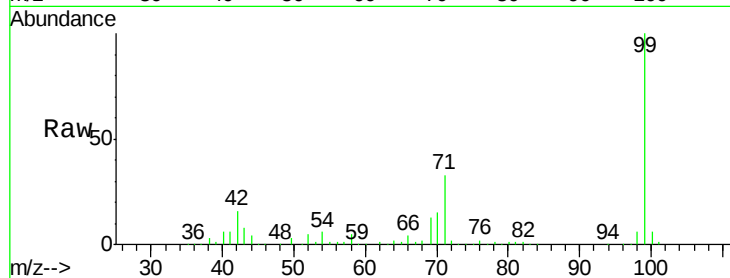
Tot Ion: 99 Resp: 278364

Ion Ratio Lower Upper

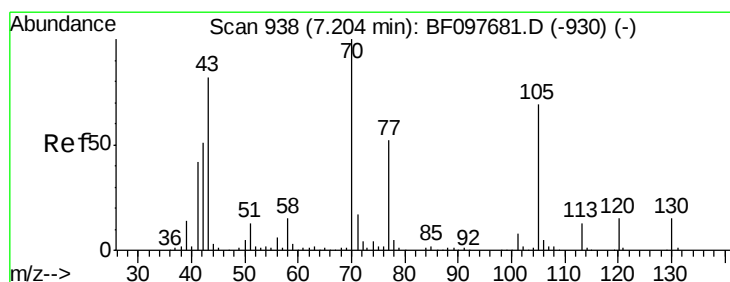
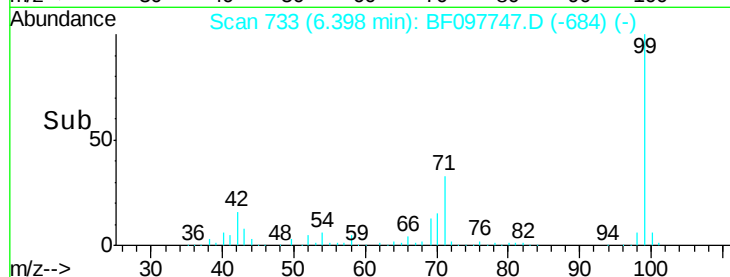
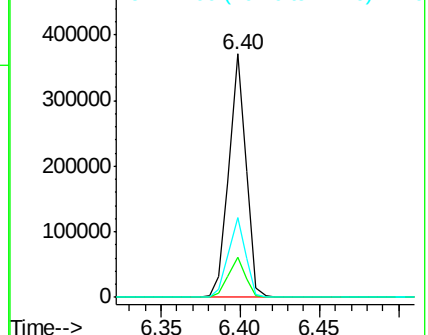
99 100

42 16.4 13.5 20.3

71 32.7 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: 2.62 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Tgt Ion: 70 Resp: 22285

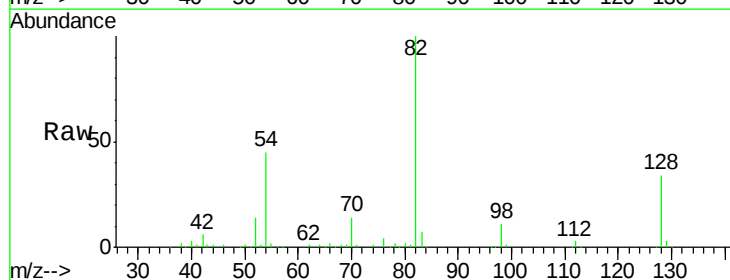
Ion Ratio Lower Upper

70 100

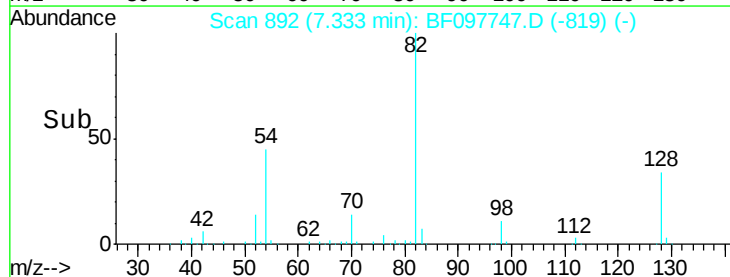
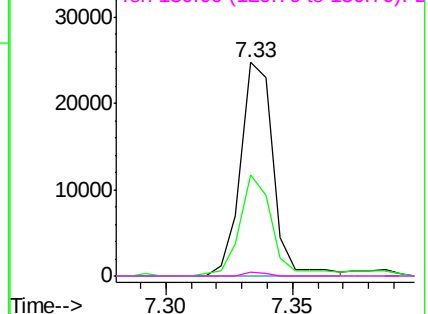
42 47.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 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: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

Tot Ion:136 Resp: 535479

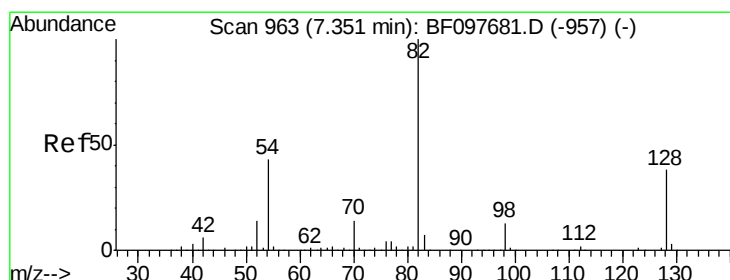
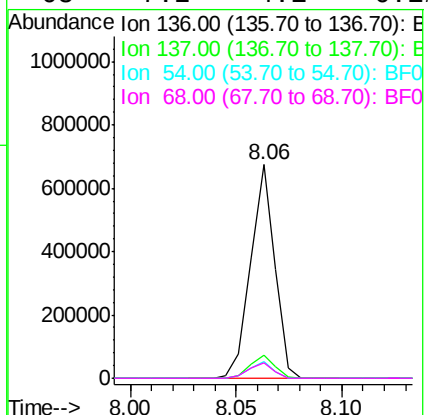
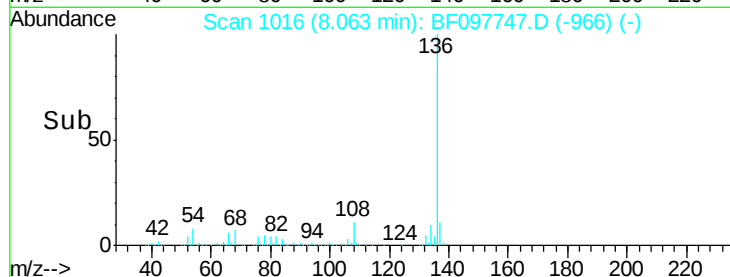
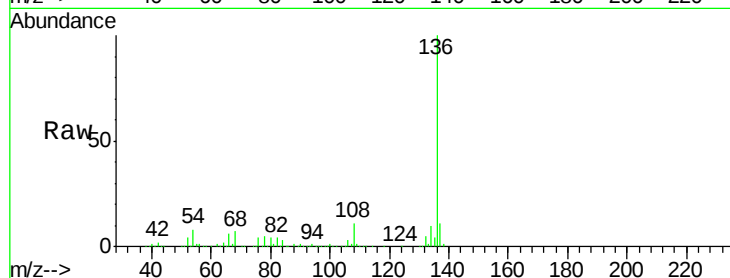
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.8 4.9 7.3#

68 7.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 16.38 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

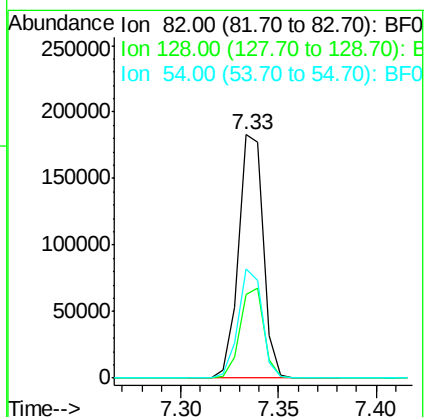
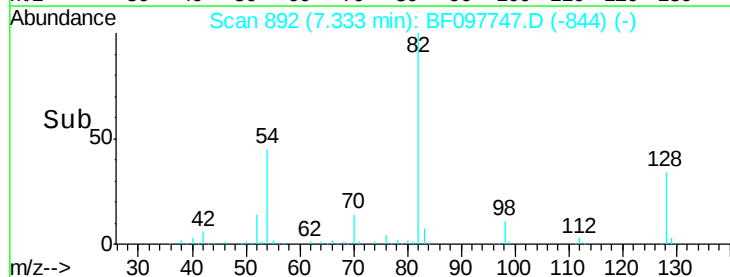
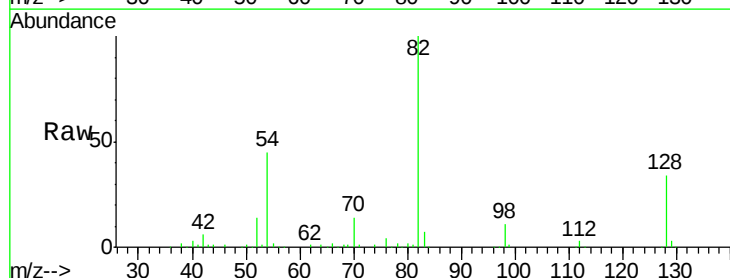
Tgt Ion: 82 Resp: 161429

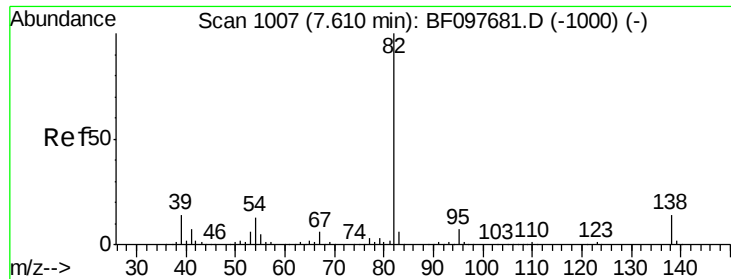
Ion Ratio Lower Upper

82 100

128 34.2 34.0 51.0

54 44.7 42.2 63.2





#25

Isophorone

Concen: 7.86 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

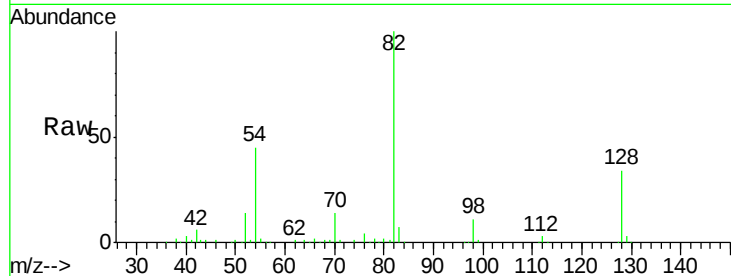
Tot Ion: 82 Resp: 161167

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

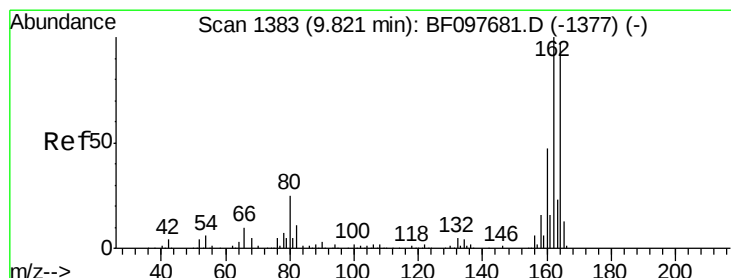
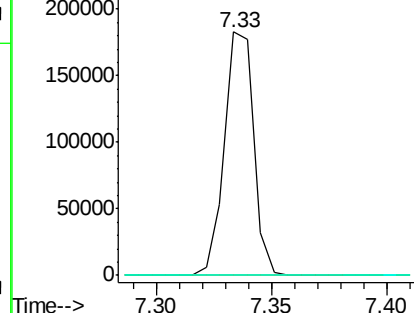
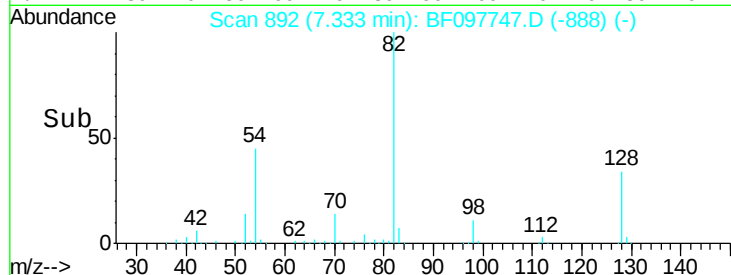
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

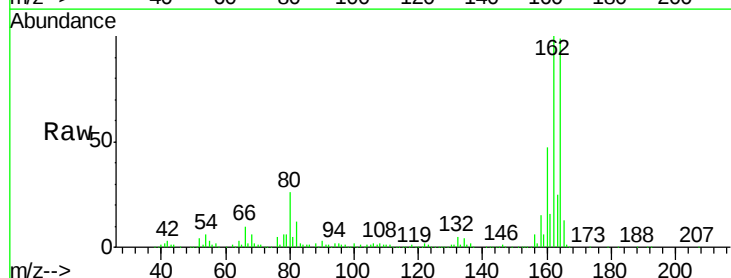
Tgt Ion:164 Resp: 224221

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

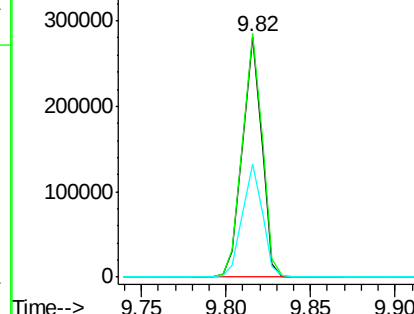
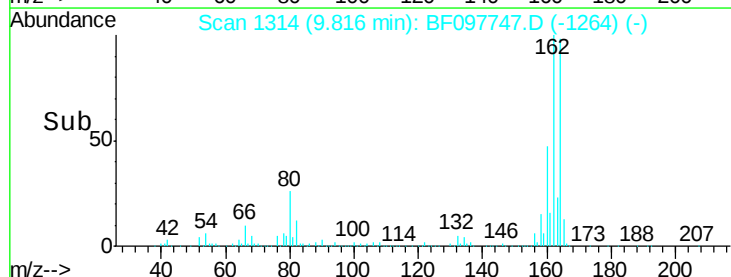
160 47.3 36.2 54.2

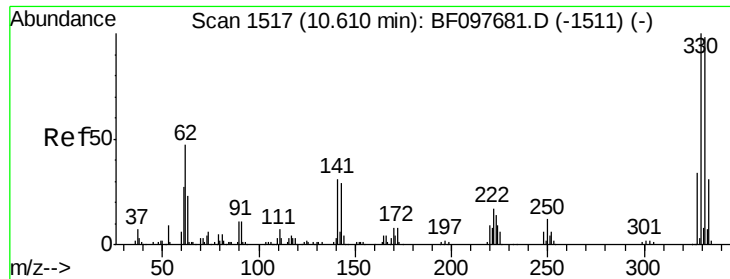


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

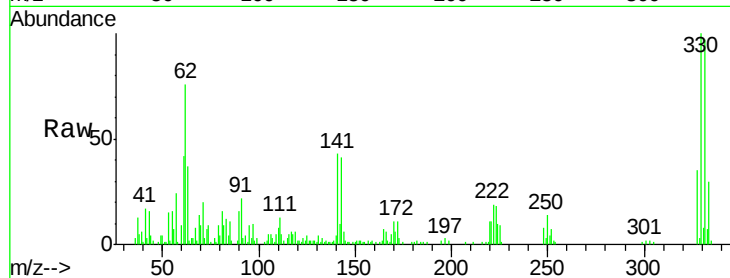




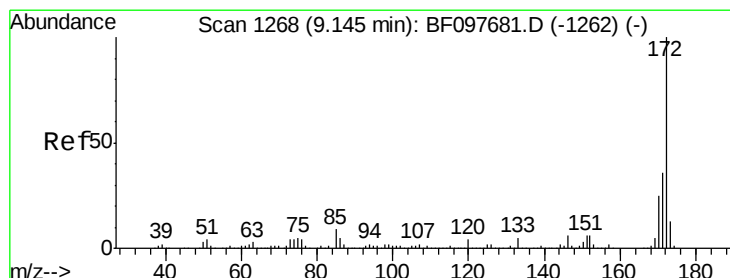
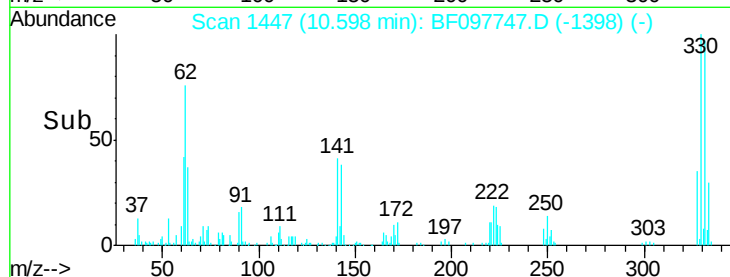
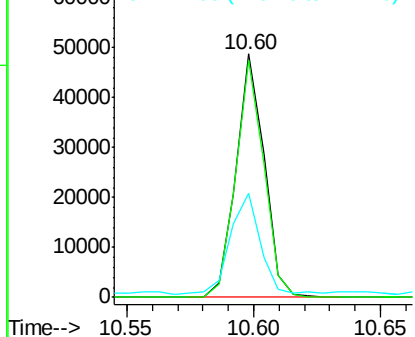
#41
 2,4,6-Tribromophenol
 Concen: 19.25 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097747.D
 Acq: 16 Aug 2017 19:08

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	44.1	31.4	47.2

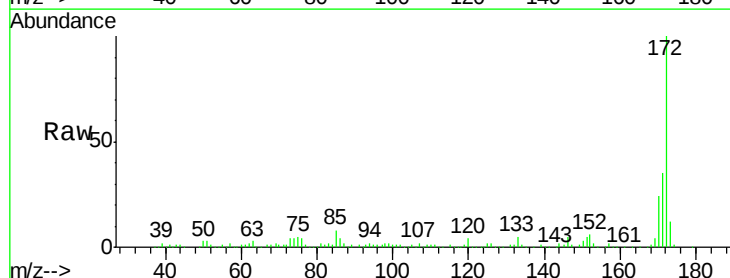


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

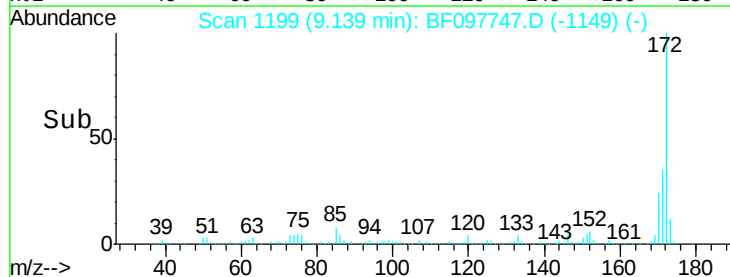
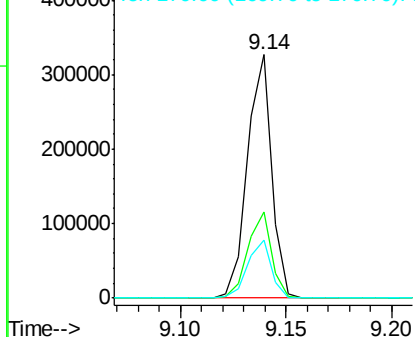


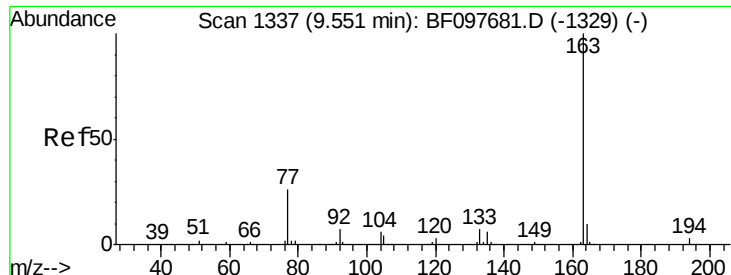
#44
 2-Fluorobiphenyl
 Concen: 17.05 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097747.D
 Acq: 16 Aug 2017 19:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.6	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

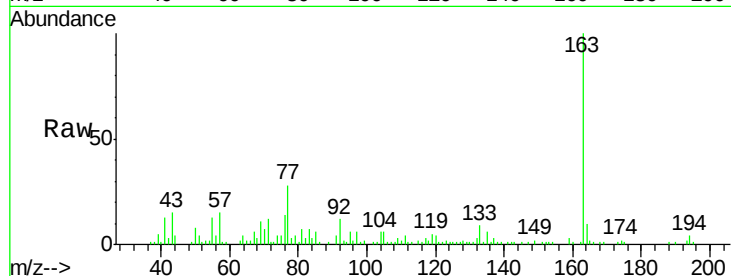




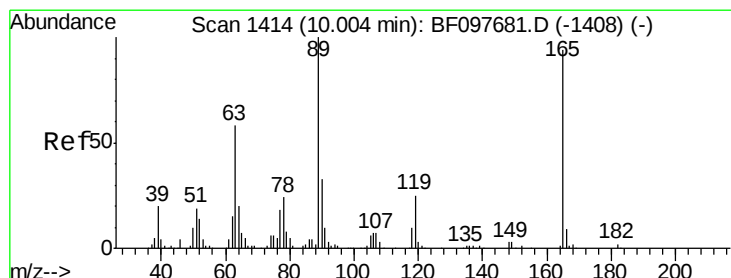
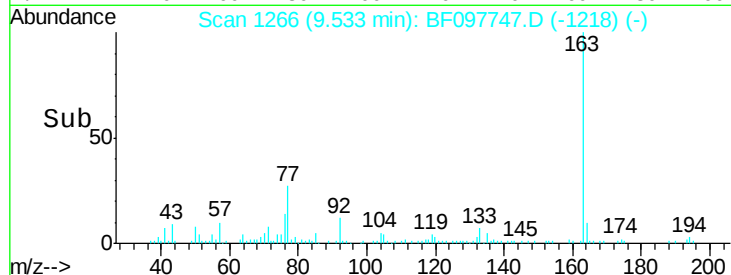
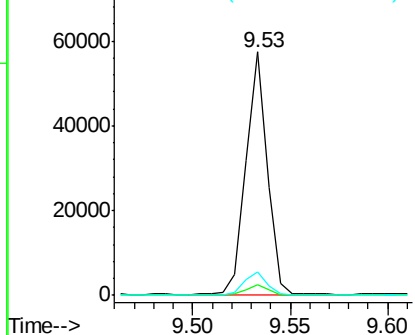
#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097747.D
Acq: 16 Aug 2017 19:08

Instrument :
BNA_F
ClientSampleId :
EO-02-081417-C

Tot Ion:163 Resp: 44315
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.7 8.4 12.6

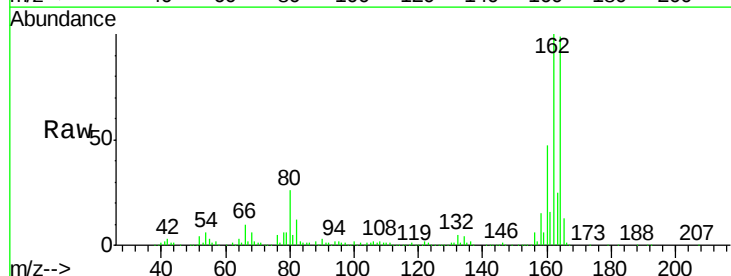


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

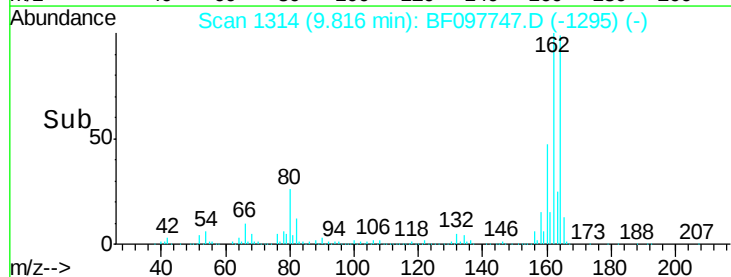
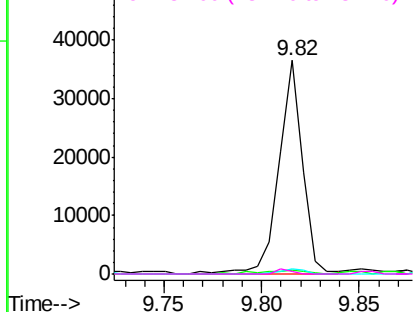


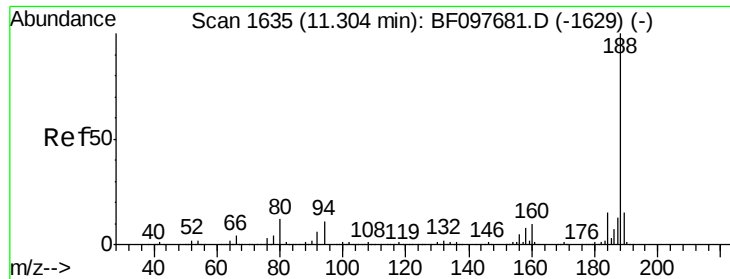
#56
2,4-Dinitrotoluene
Concen: 7.47 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097747.D
Acq: 16 Aug 2017 19:08

Tgt Ion:165 Resp: 30667
Ion Ratio Lower Upper
165 100
63 2.1 25.4 38.0#
89 2.5 46.4 69.6#
182 1.3 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

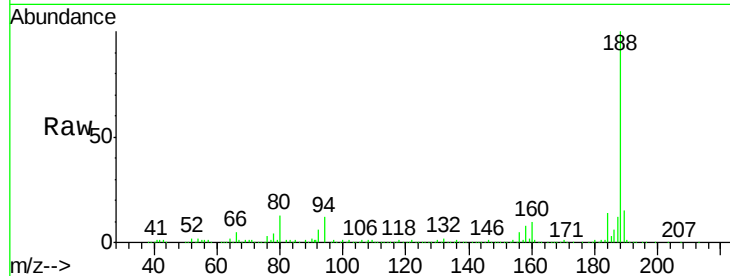




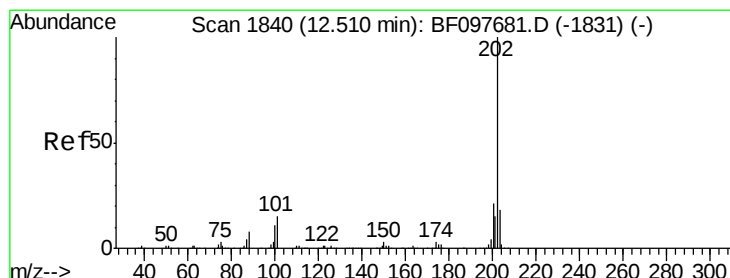
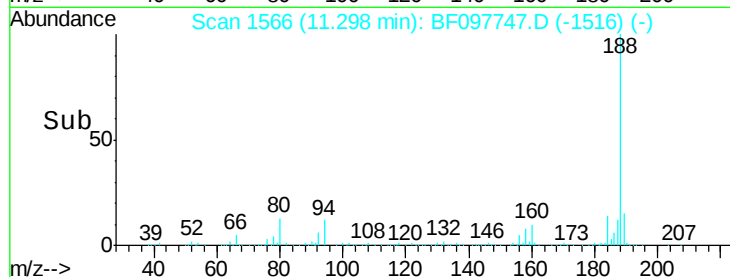
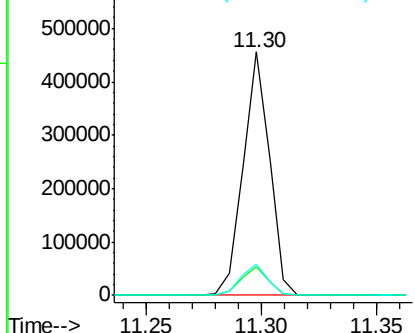
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097747.D
Acq: 16 Aug 2017 19:08

Instrument :
BNA_F
ClientSampleId :
EO-02-081417-C

Tot Ion:188 Resp: 363542
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.2
80 12.8 10.2 15.2

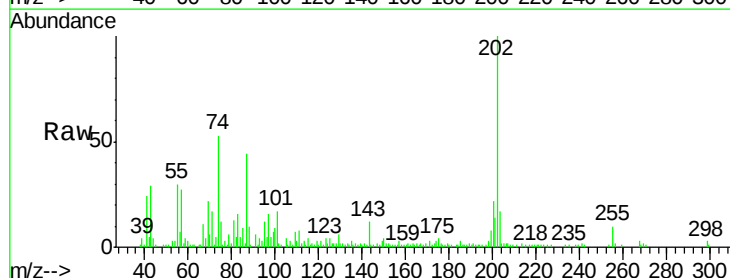


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

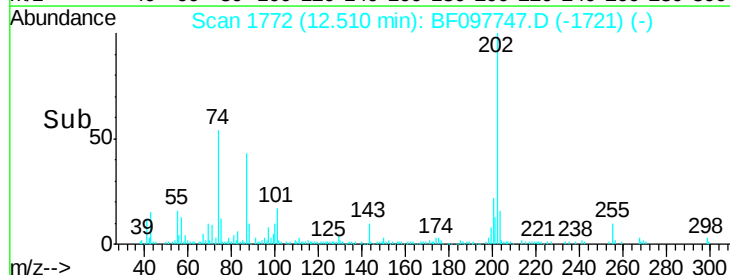
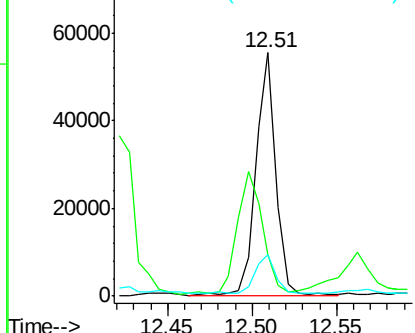


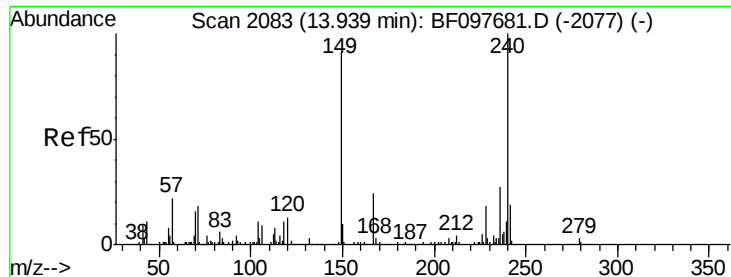
#74
Fluoranthene
Concen: 2.30 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097747.D
Acq: 16 Aug 2017 19:08

Tgt Ion:202 Resp: 46528
Ion Ratio Lower Upper
202 100
101 16.9 0.0 33.2
203 16.9 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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

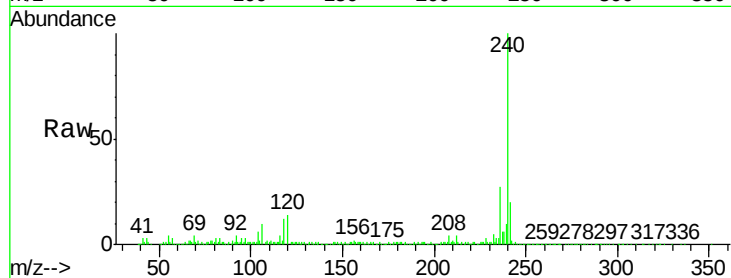
Tot Ion:240 Resp: 293755

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

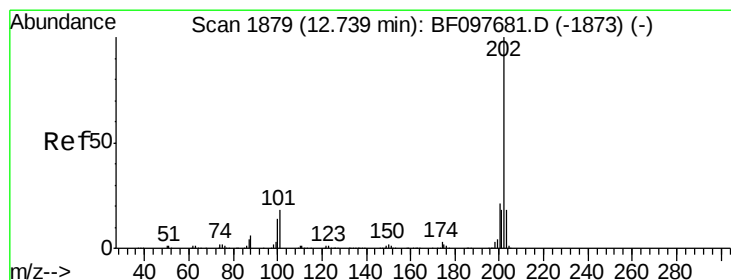
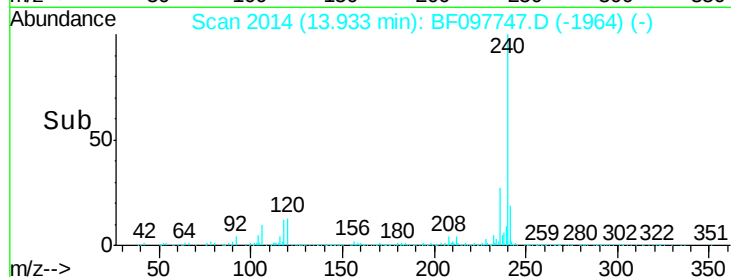
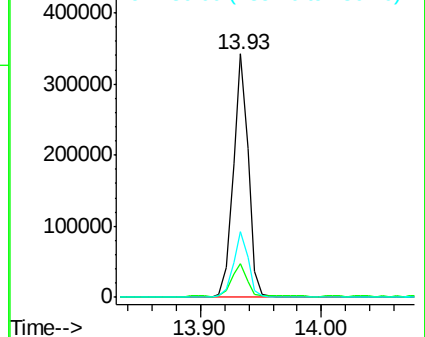
236 26.7 20.5 30.7



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

Pyrene

Concen: 2.08 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

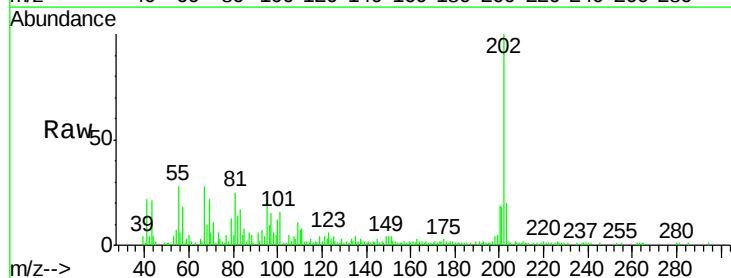
Tgt Ion:202 Resp: 50054

Ion Ratio Lower Upper

202 100

200 18.7 17.6 26.4

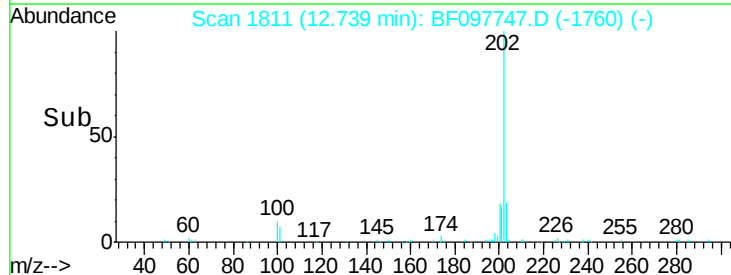
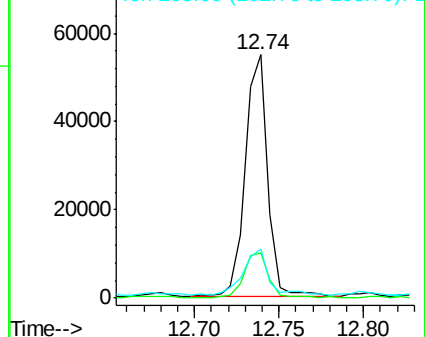
203 20.3 14.4 21.6

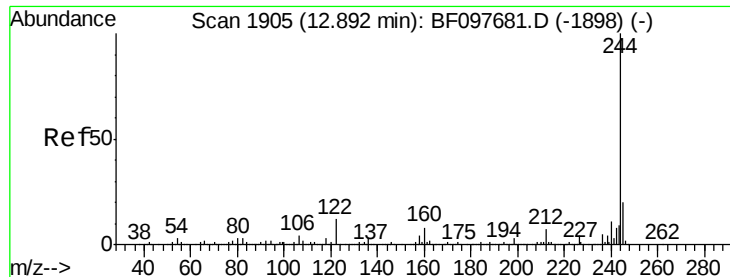


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.77 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

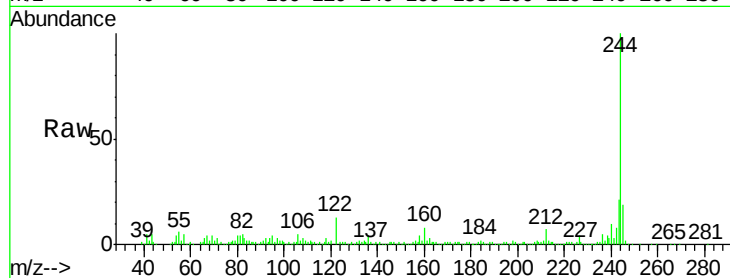
BNA_F

ClientSampleId :

EO-02-081417-C

Tot Ion:244 Resp: 165827

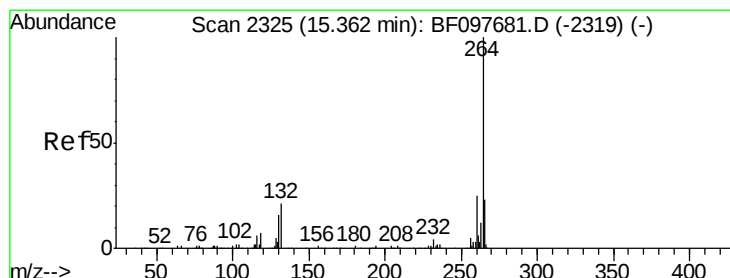
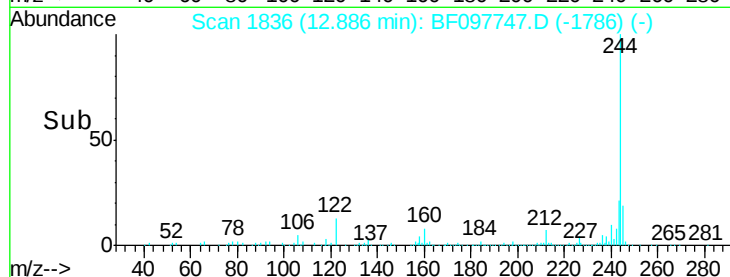
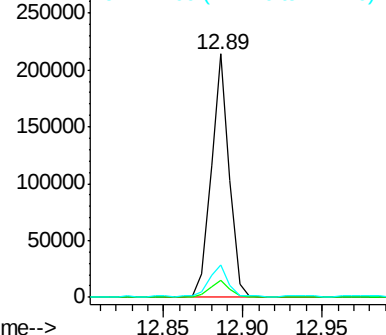
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.5	10.3	15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 2258

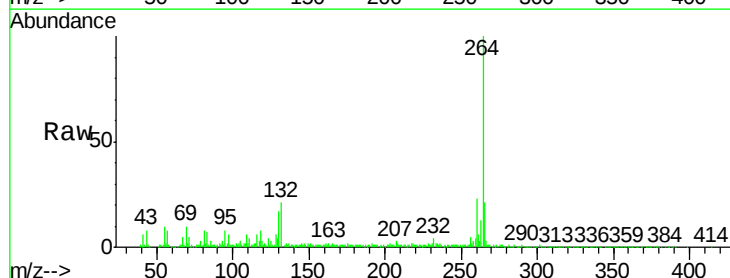
Delta R.T. 0.01 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Tgt Ion:264 Resp: 258840

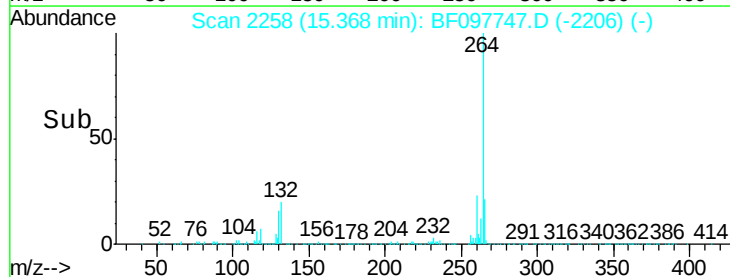
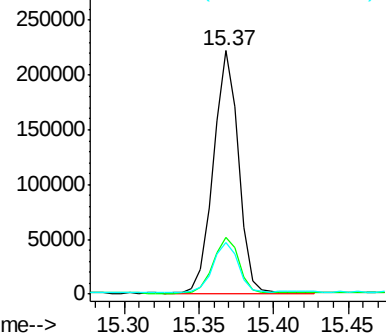
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.4	17.2	25.8

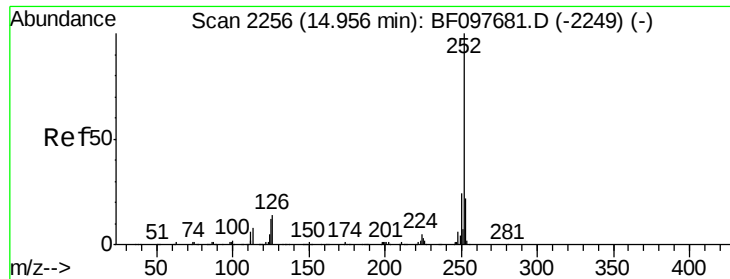


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.17 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-C

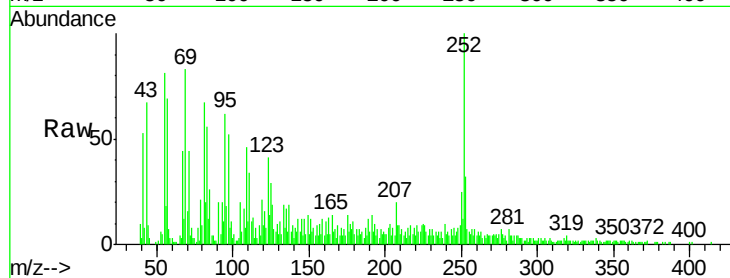
Tot Ion:252 Resp: 51734

Ion Ratio Lower Upper

252 100

253 32.1 18.1 27.1#

125 29.2 9.8 14.8#

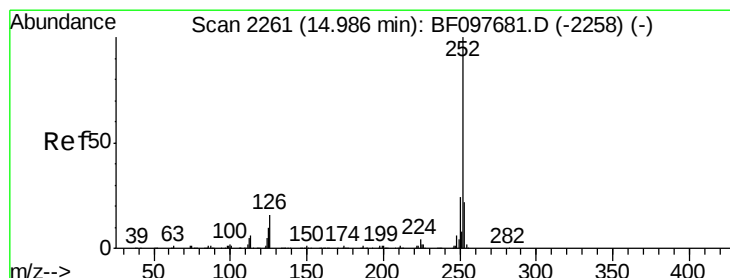
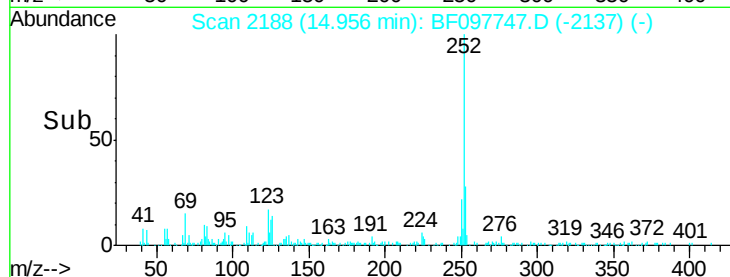
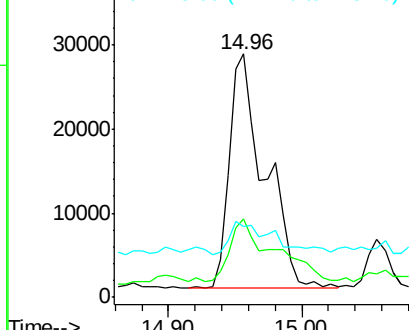


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.38 ng

RT: 14.96 min Scan# 2188

Delta R.T. -0.03 min

Lab File: BF097747.D

Acq: 16 Aug 2017 19:08

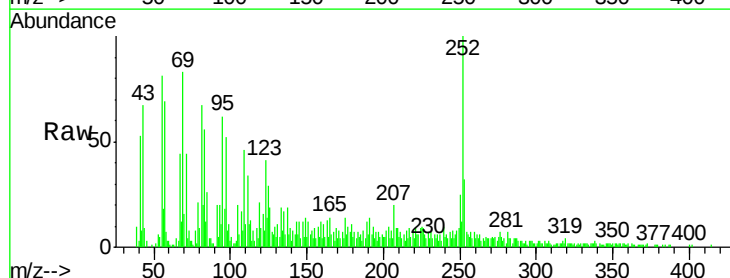
Tgt Ion:252 Resp: 51734

Ion Ratio Lower Upper

252 100

253 32.1 18.4 27.6#

125 29.2 13.1 19.7#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

