

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098112.D
 Acq On : 29 Aug 2017 15:51
 Operator : SJ/JU
 Sample : I4970-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-FRAC-TANKRE

Quant Time: Aug 30 04:32:48 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	6.73	152	132868	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	536808	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	247011	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	454670	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	271130	20.00	ng	-0.01
86) Perylene-d12	15.30	264	246450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	342109	39.16	ng	-0.02
7) Phenol-d6	6.36	99	309057	26.04	ng	-0.02
23) Nitrobenzene-d5	7.29	82	323846	32.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	103000	48.06	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	531405	31.61	ng	-0.02
78) Terphenyl-d14	12.83	244	545930	41.99	ng	-0.02

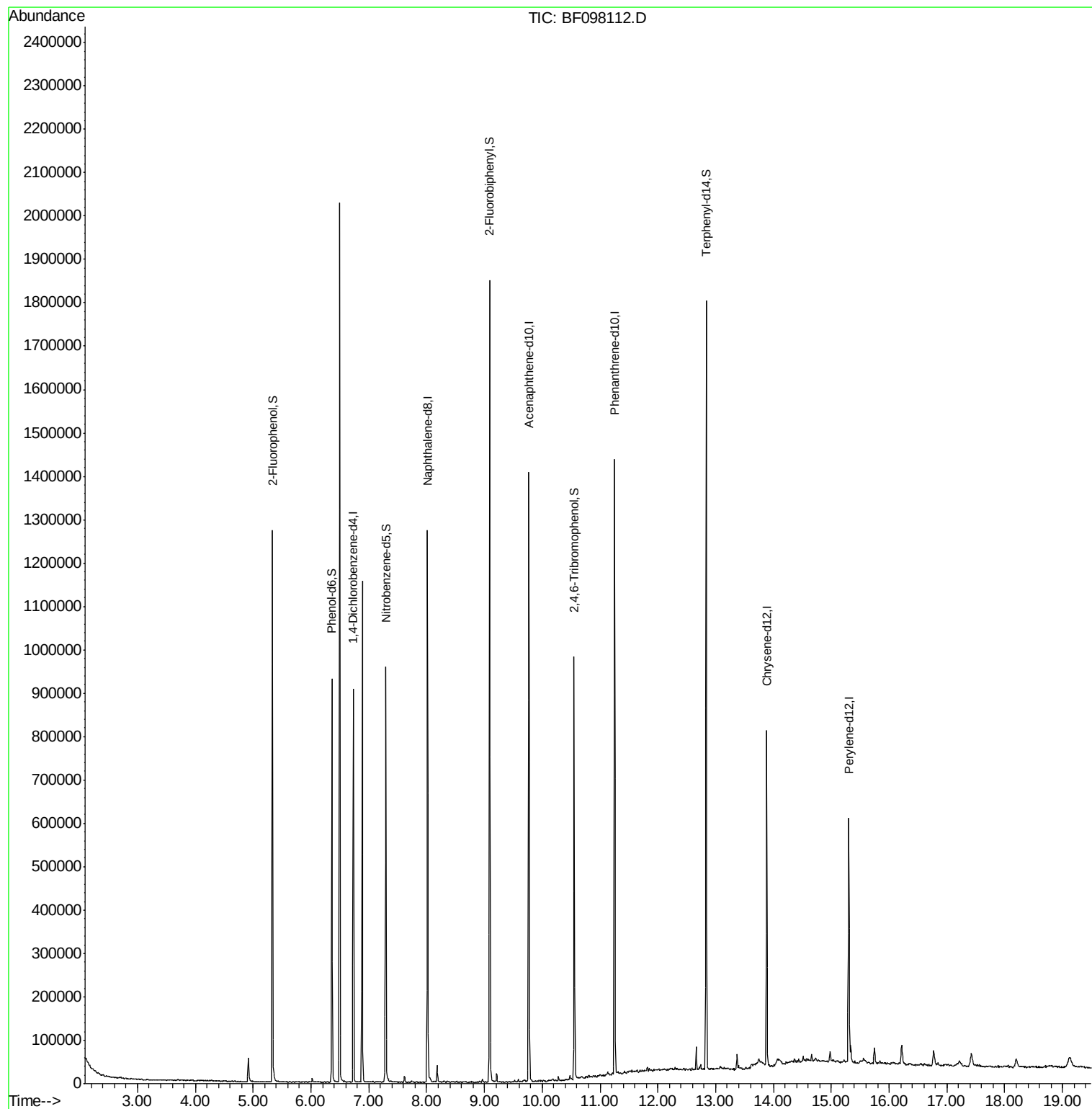
Target Compounds Qvalue

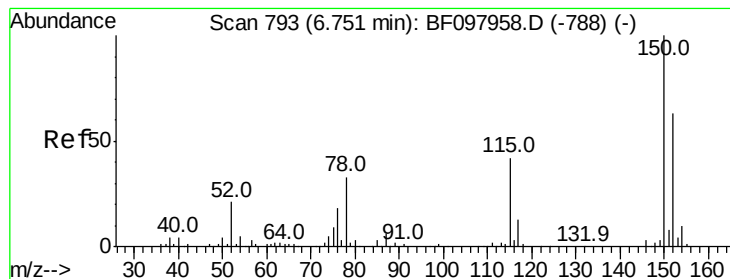
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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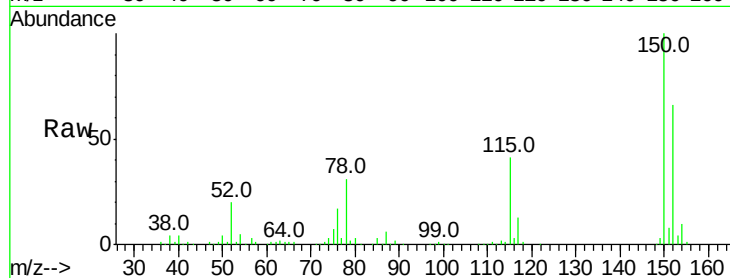


#1

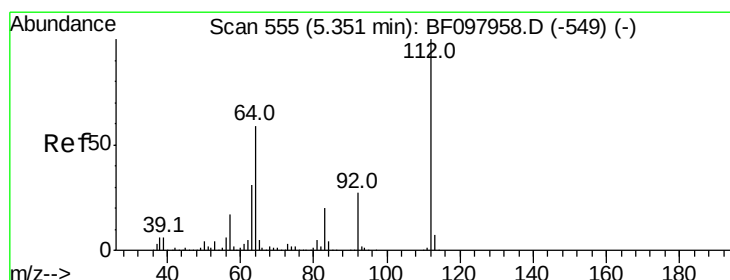
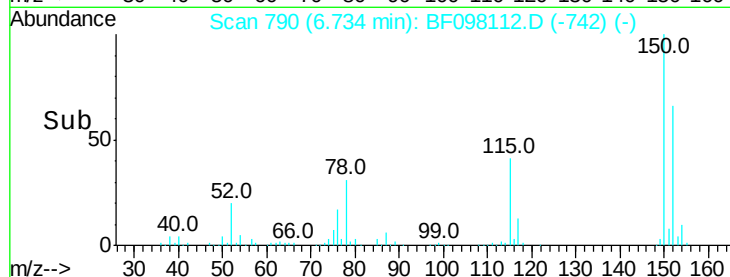
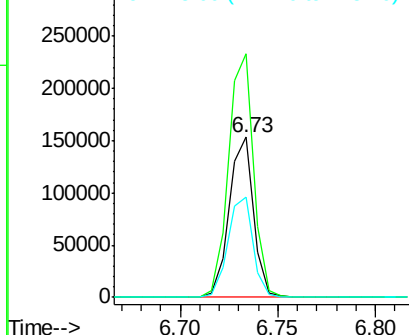
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Instrument :
BNA_F
ClientSampleId :
HAMILTON-FRAC-TANKRE

Tot Ion:152 Resp: 132868
Ion Ratio Lower Upper
152 100
150 152.2 126.2 189.2
115 62.6 52.2 78.2



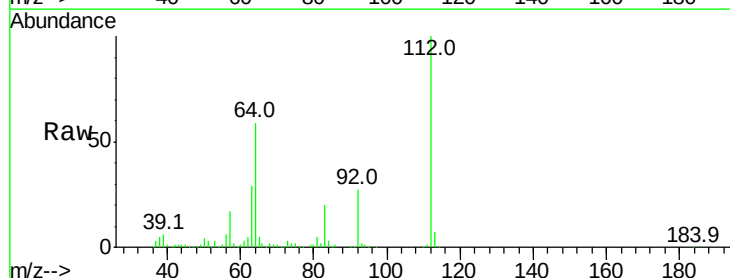
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



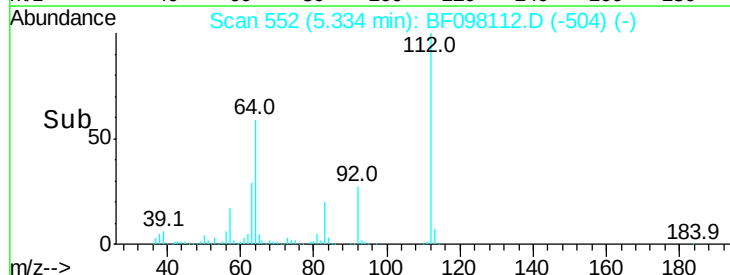
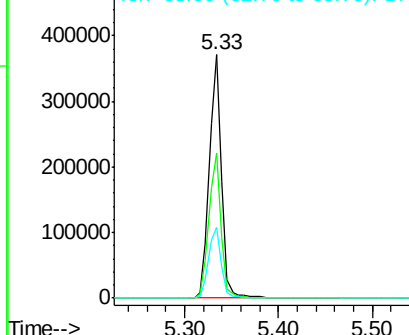
#5

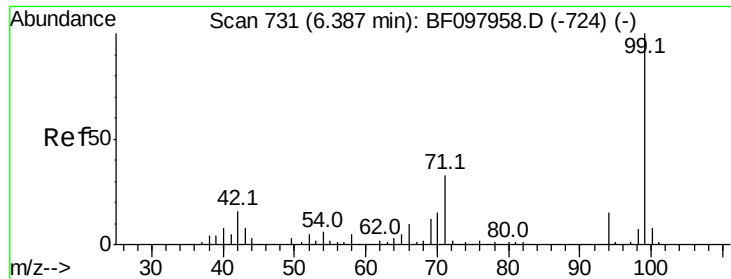
2-Fluorophenol
Concen: 39.165 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Tgt Ion:112 Resp: 342109
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 29.3 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: 26.040 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANKRE

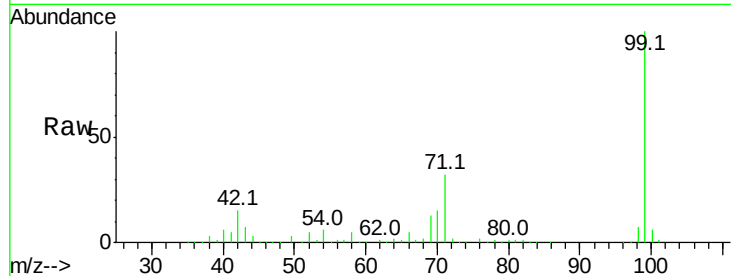
Tot Ion: 99 Resp: 309057

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

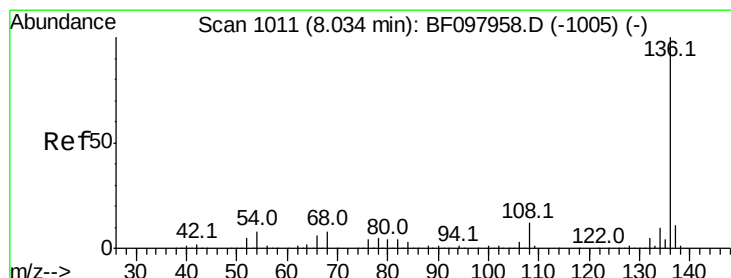
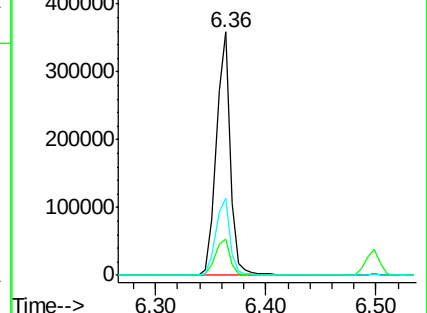
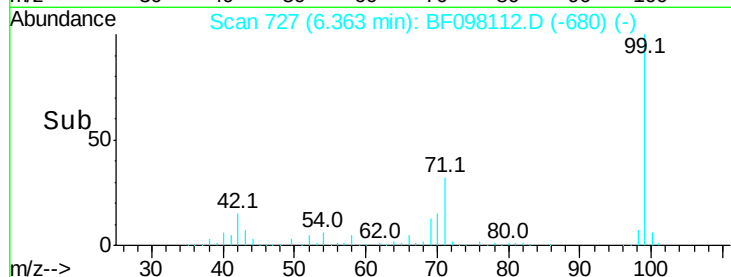
71 31.8 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Tgt Ion: 136 Resp: 536808

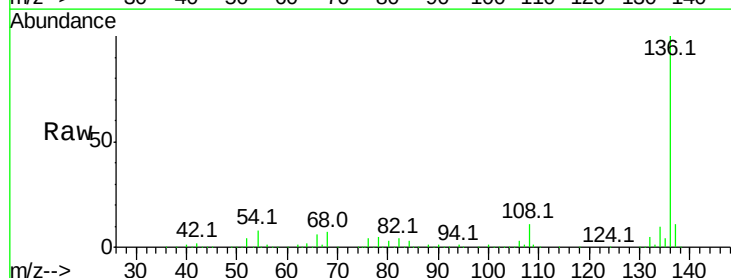
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 7.2 4.1 6.1#

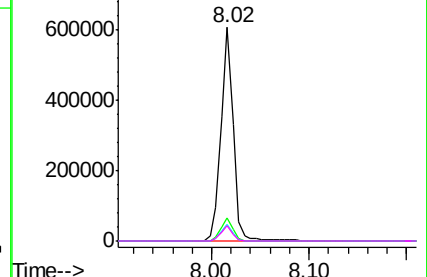
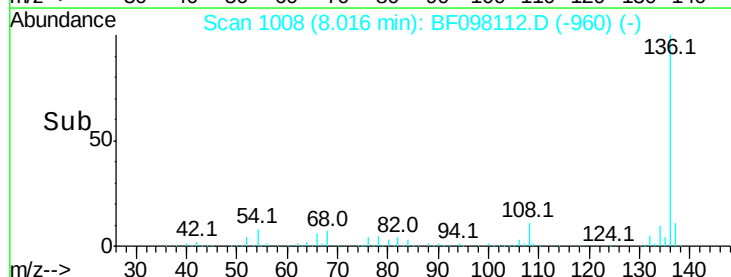


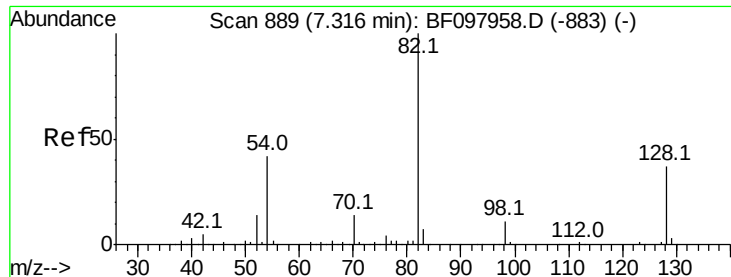
Abundance Ion 136.00 (135.70 to 136.70): E

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

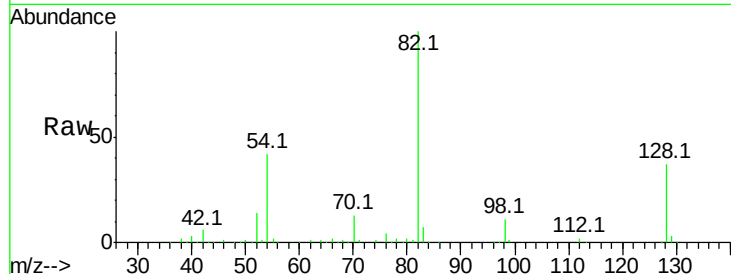




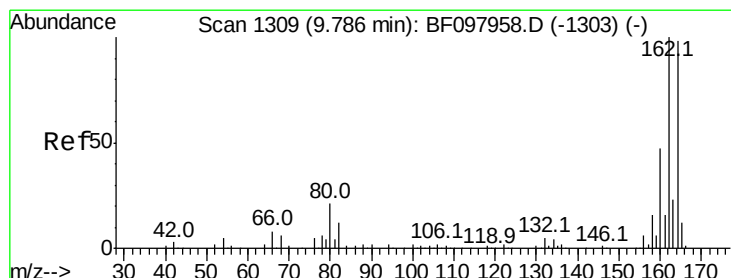
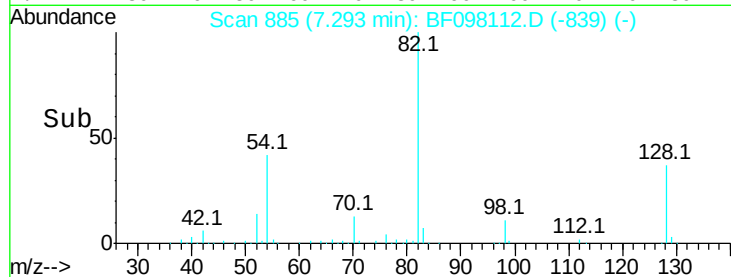
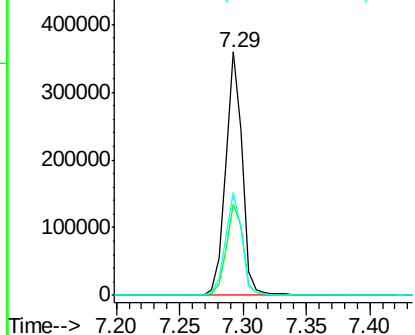
#23
Nitrobenzene-d5
Concen: 32.773 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Instrument :
BNA_F
ClientSampleId :
HAMILTON-FRAC-TANKRE

Tot Ion: 82 Resp: 323846
Ion Ratio Lower Upper
82 100
128 37.4 34.0 51.0
54 42.2 42.2 63.2

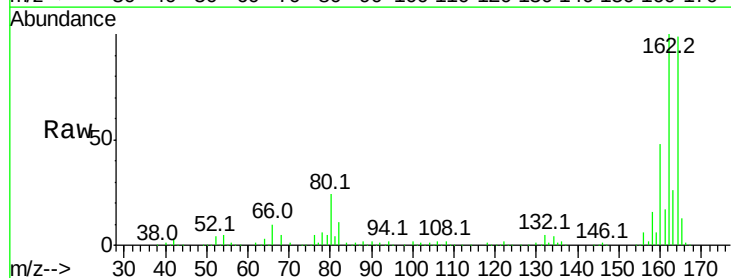


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

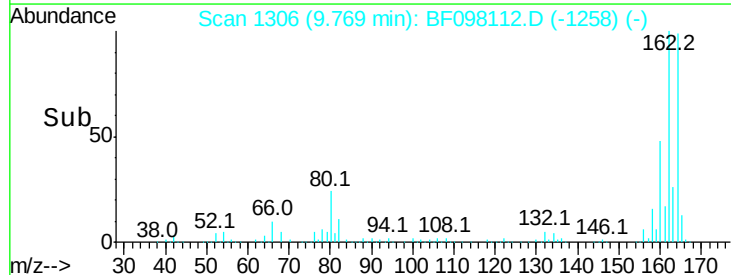
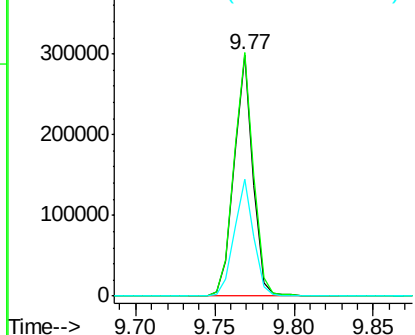


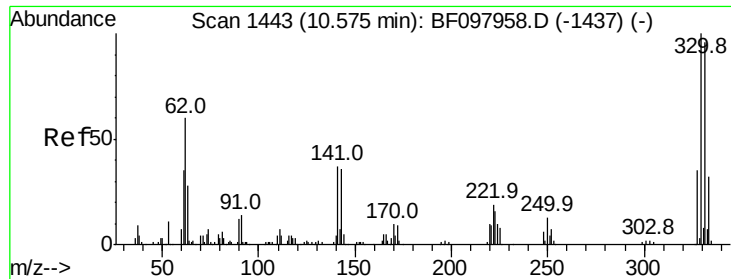
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Tgt Ion:164 Resp: 247011
Ion Ratio Lower Upper
164 100
162 100.8 82.6 123.8
160 48.2 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

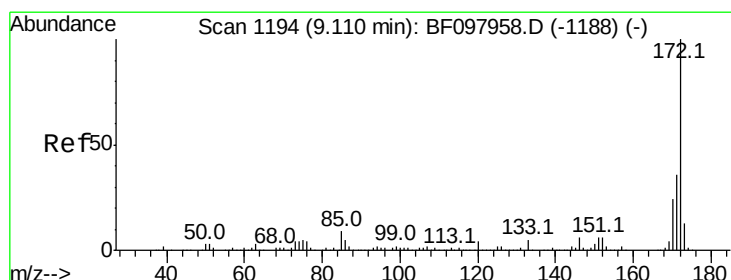
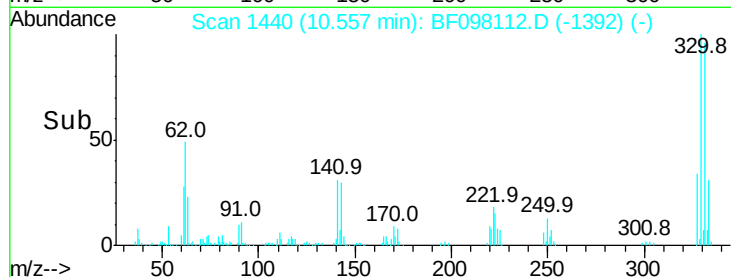
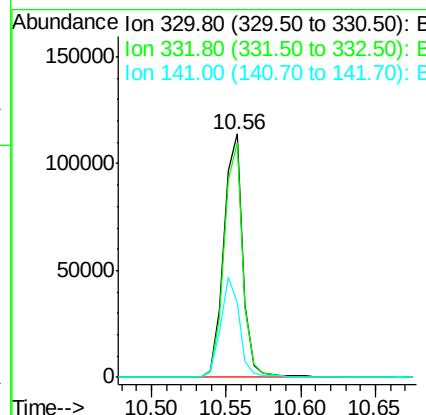
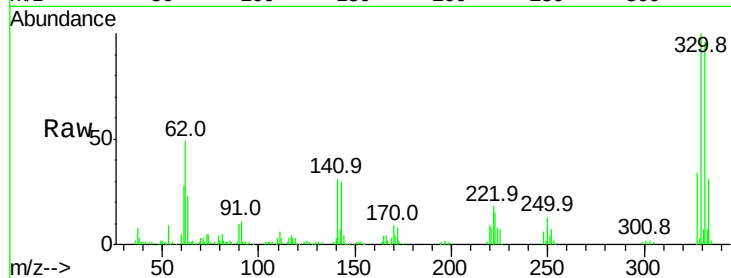




#41
 2,4,6-Tribromophenol
 Concen: 48.058 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

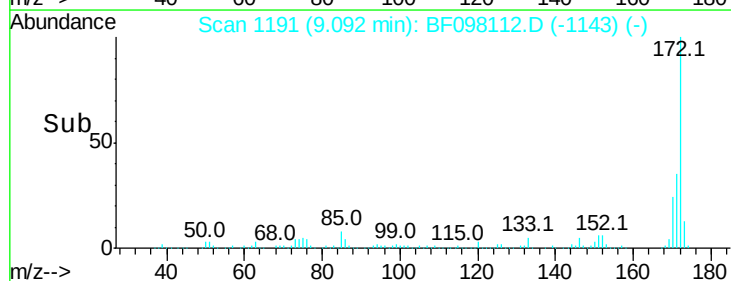
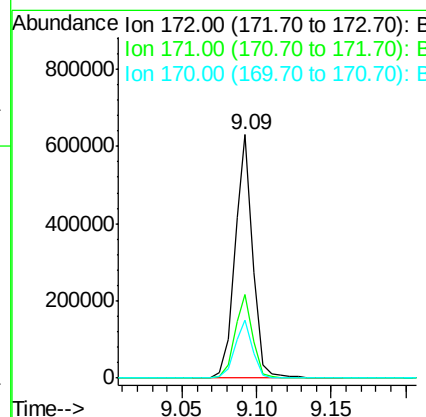
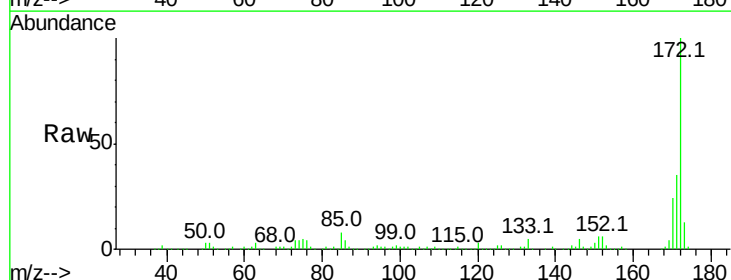
Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-FRAC-TANKRE

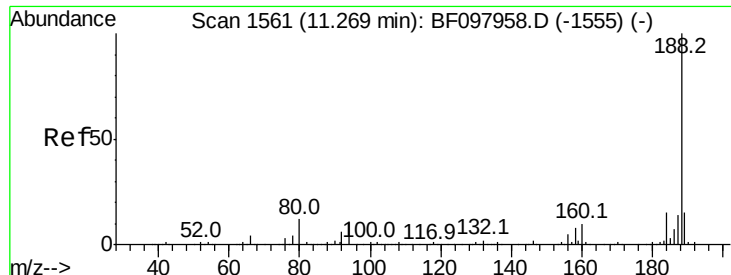
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	40.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 31.608 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.9	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Instrument :

BNA_F

ClientSampleId :

HAMILTON-FRAC-TANKRE

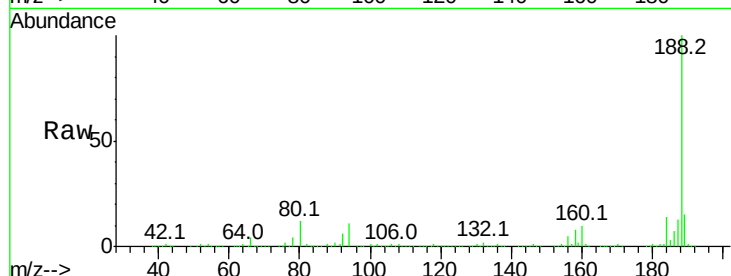
Tot Ion:188 Resp: 454670

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

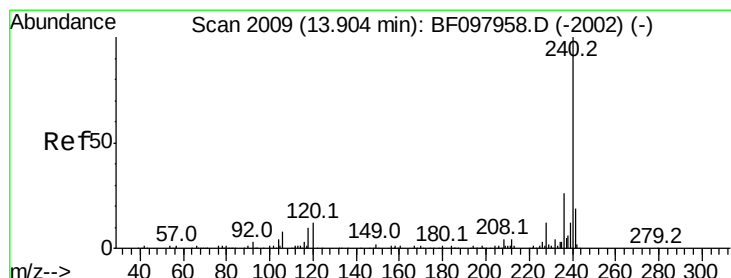
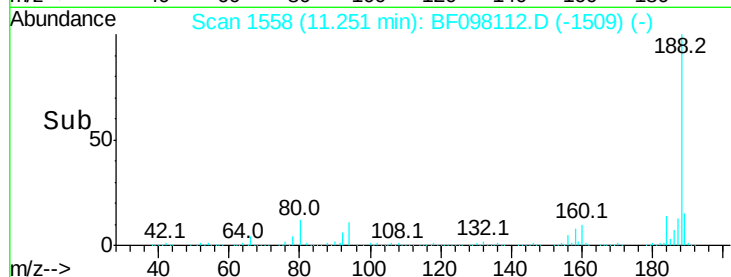
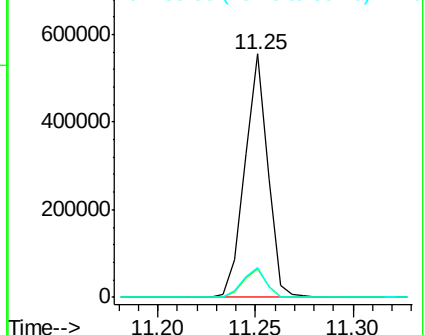
80 12.4 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

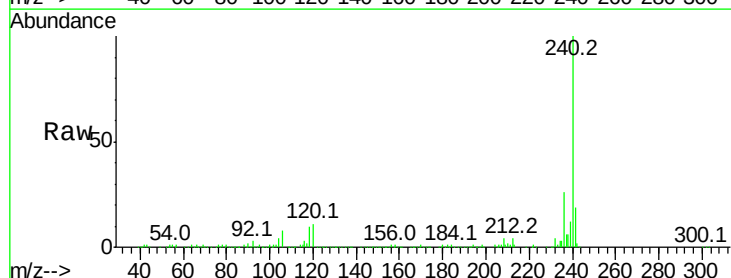
Tgt Ion:240 Resp: 271130

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

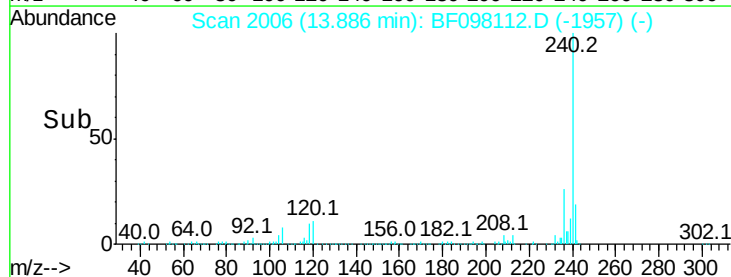
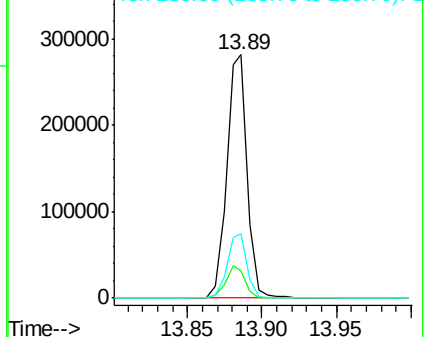
236 26.2 20.5 30.7

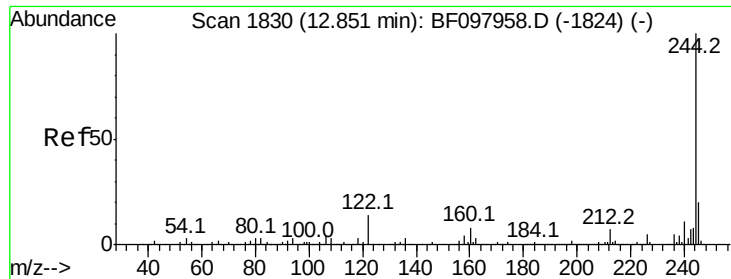


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 41.989 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Instrument :

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ClientSampleId :

HAMILTON-FRAC-TANKRE

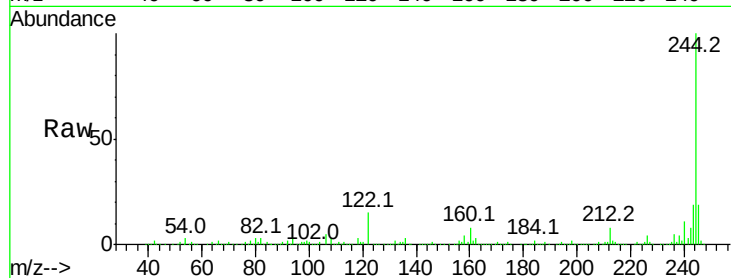
Tot Ion:244 Resp: 545930

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 14.6 10.3 15.5

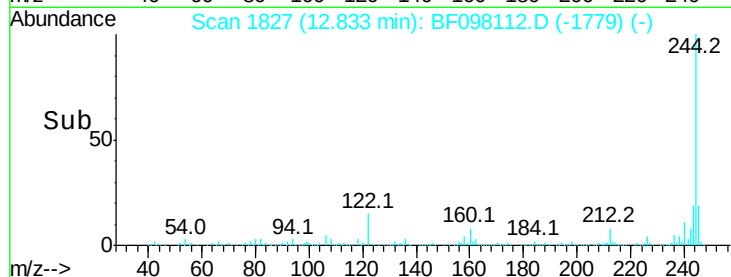


Abundance Ion 244.00 (243.70 to 244.70): E

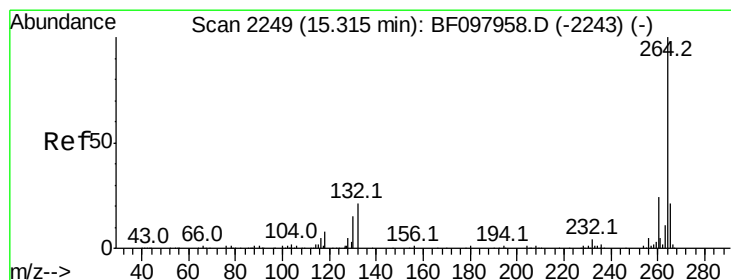
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.83



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

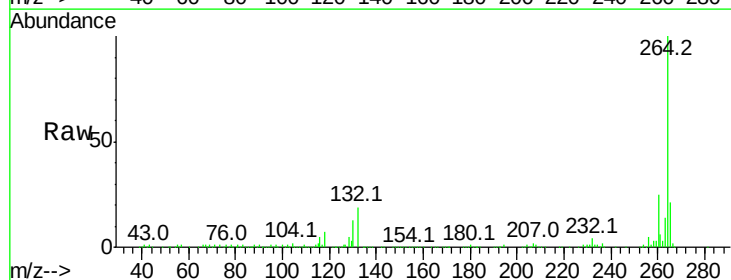
Tgt Ion:264 Resp: 246450

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.2 17.2 25.8

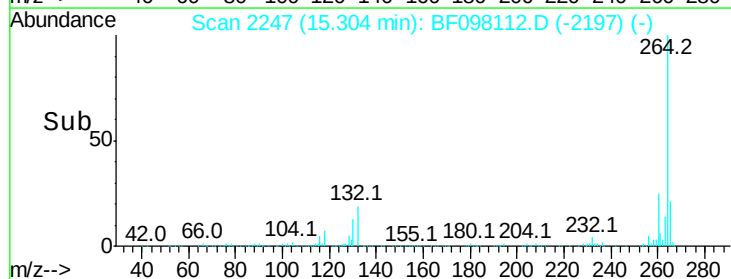


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.30



Time-->