

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097116.D
 Acq On : 27 Jul 2017 10:25
 Operator : SJ/JU
 Sample : I4443-14 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M8-BASE

Quant Time: Jul 27 11:41:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

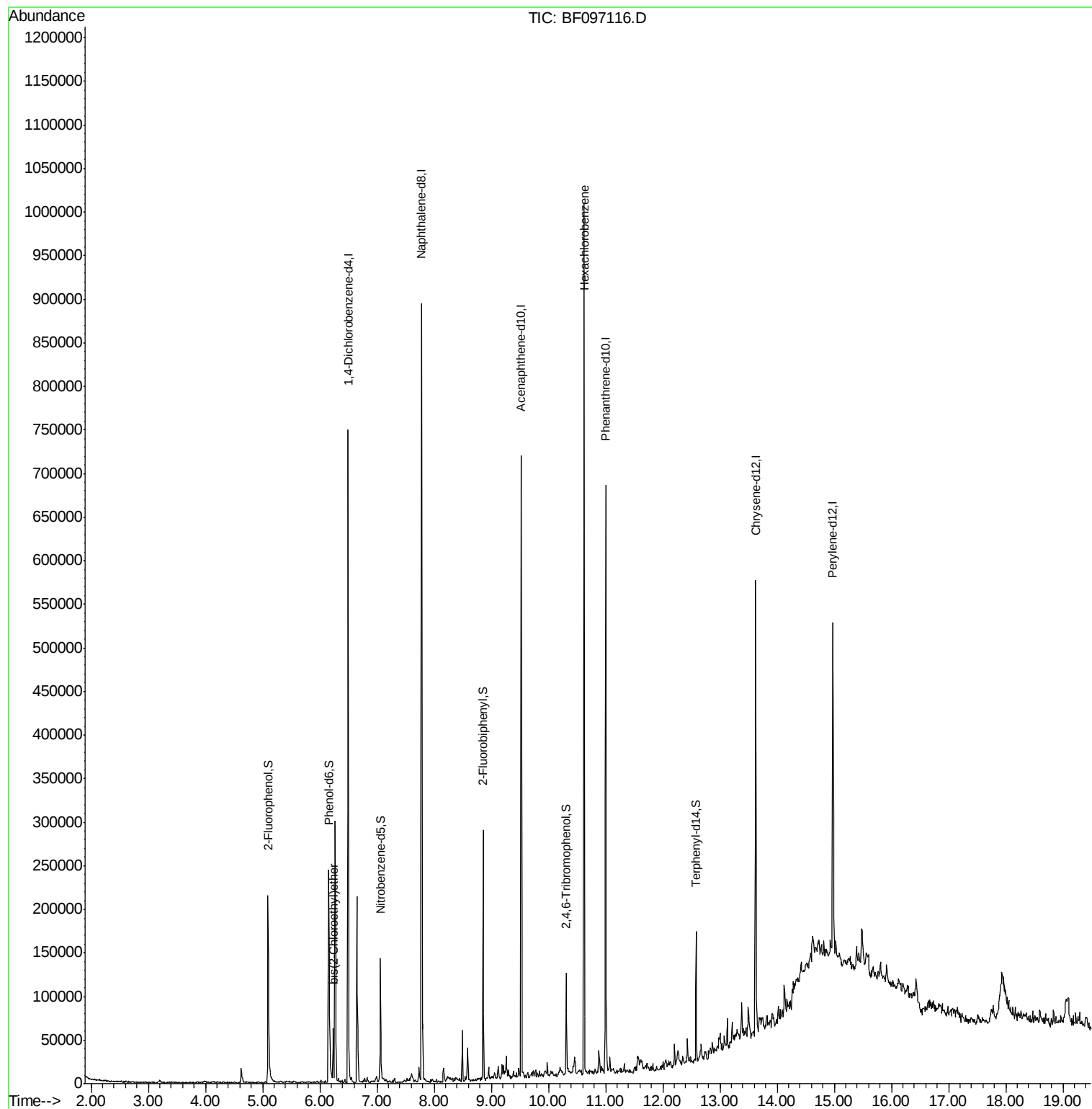
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	105017	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	422881	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	140682	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	214946	20.00	ng	0.00
75) Chrysene-d12	13.63	240	179030	20.00	ng	0.00
86) Perylene-d12	14.97	264	150507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	77351	11.10	ng	0.00
7) Phenol-d6	6.16	99	96298	12.11	ng	-0.01
23) Nitrobenzene-d5	7.06	82	48096	6.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	11577	10.42	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	84572	10.20	ng	-0.01
78) Terphenyl-d14	12.58	244	39499	4.50	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.23	93	17377	2.329	ng	92
67) Hexachlorobenzene	10.62	284	122721	51.017	ng	# 87

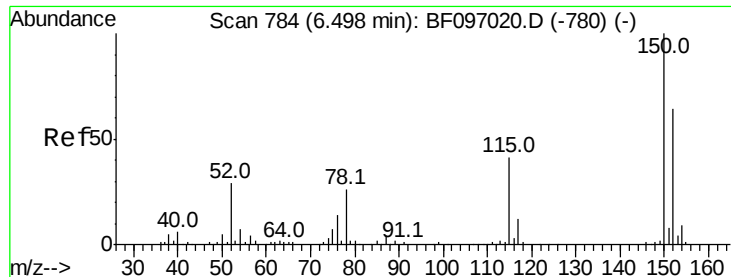
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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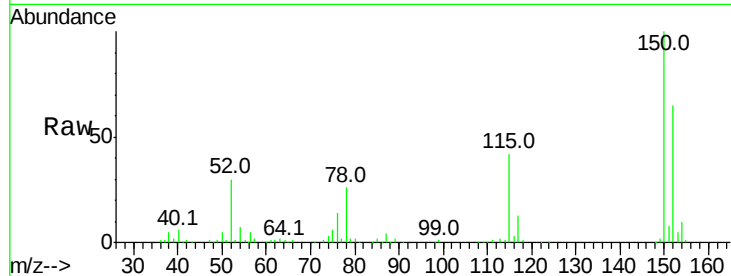


#1

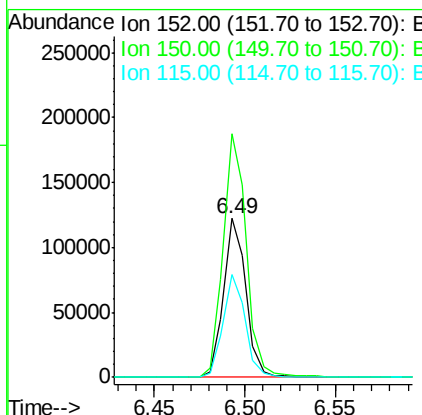
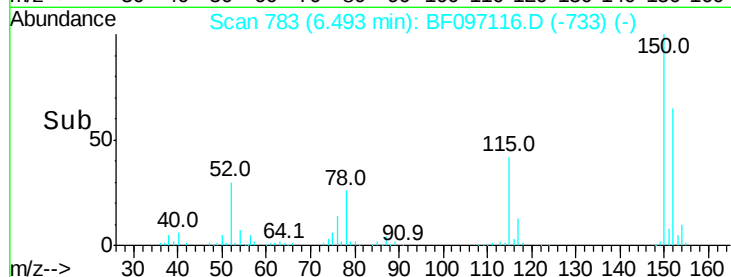
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :
E2-M8-BASE

Tot Ion:152 Resp: 105017
Ion Ratio Lower Upper
152 100
150 153.0 126.2 189.2
115 64.5 52.2 78.2



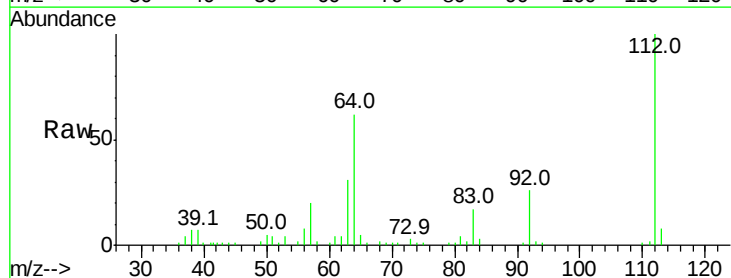
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



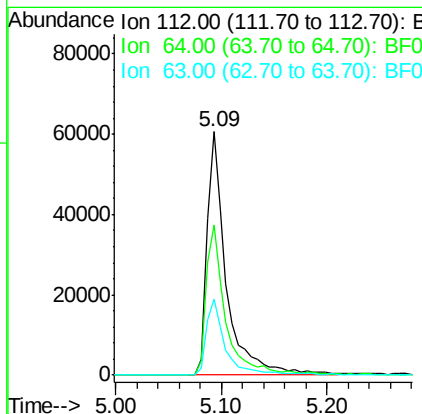
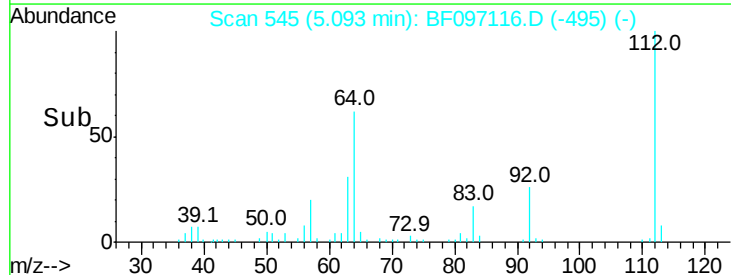
#5

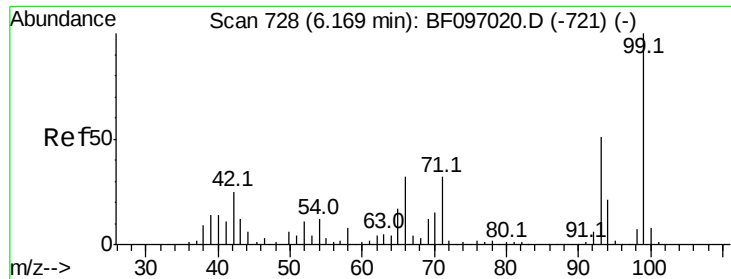
2-Fluorophenol
Concen: 11.104 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Tgt Ion:112 Resp: 77351
Ion Ratio Lower Upper
112 100
64 61.7 46.0 69.0
63 31.0 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: 12.109 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

E2-M8-BASE

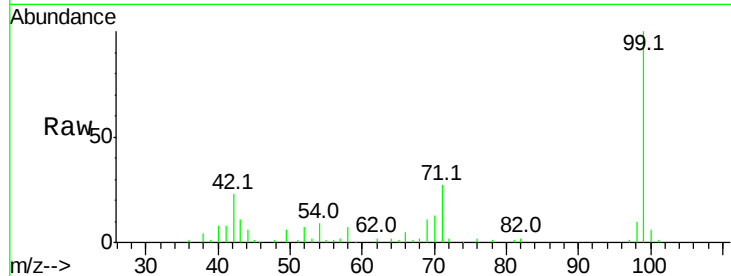
Tot Ion: 99 Resp: 96298

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

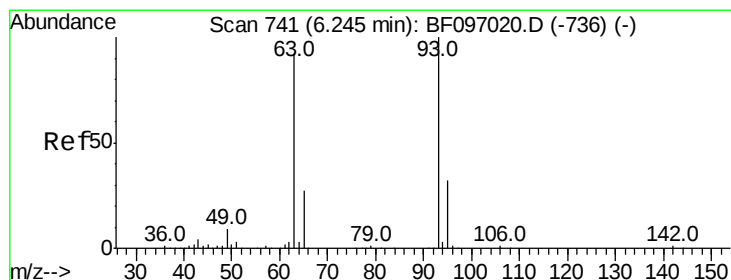
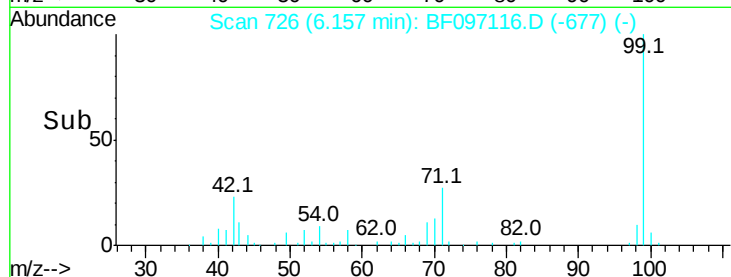
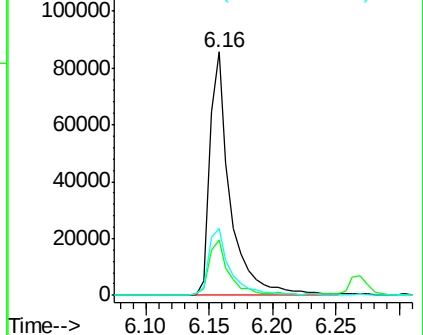
71 27.4 24.5 36.7



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



#11

bis(2-Chloroethyl)ether

Concen: 2.329 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

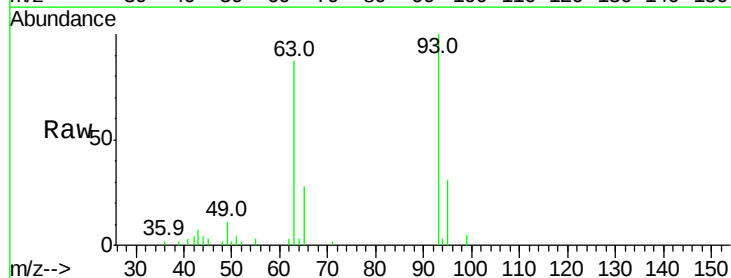
Tgt Ion: 93 Resp: 17377

Ion Ratio Lower Upper

93 100

63 87.4 59.2 99.2

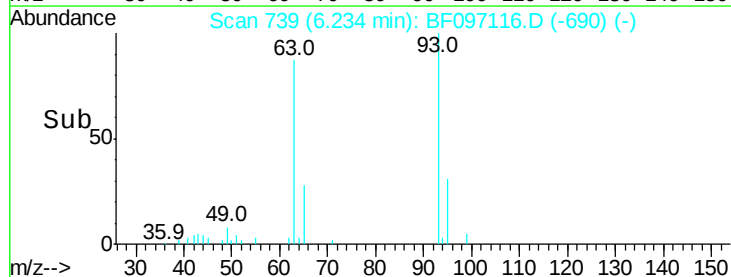
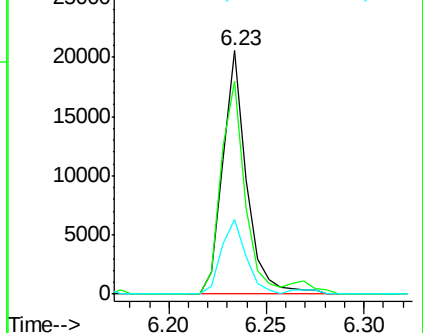
95 30.8 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

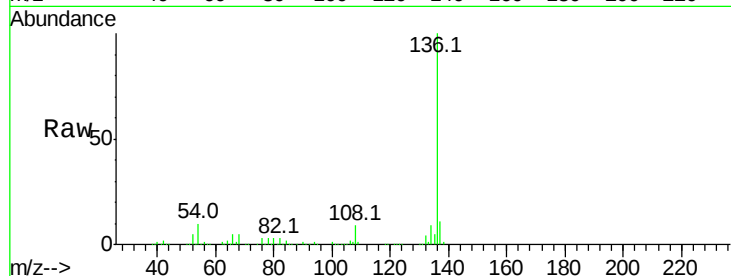




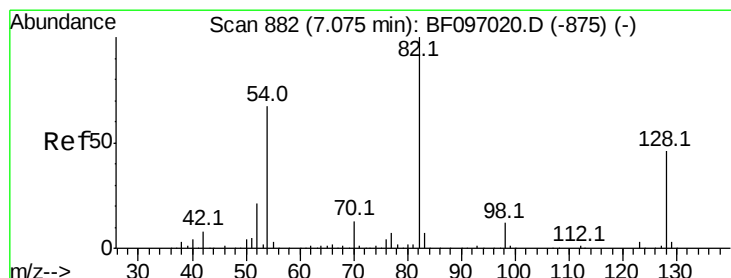
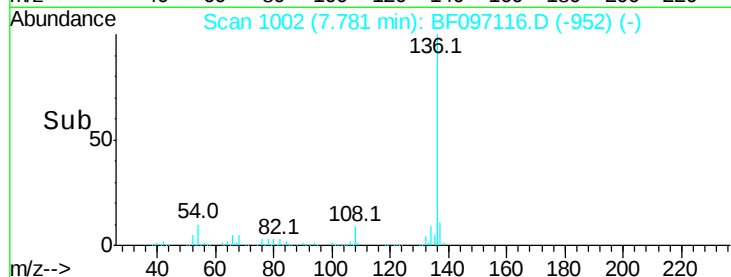
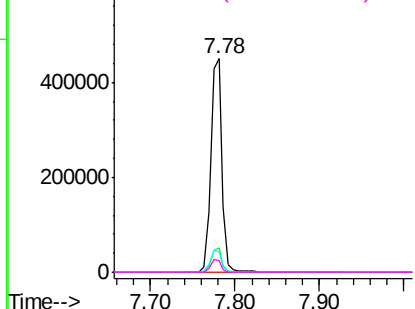
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :
E2-M8-BASE

Tot Ion:136	Resp:	422881
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.5 12.7
54	9.9	4.9 7.3#
68	5.3	4.1 6.1

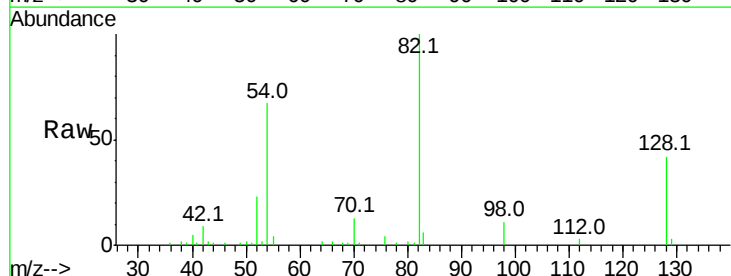


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

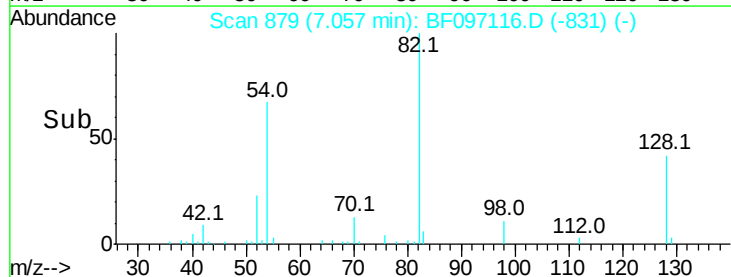
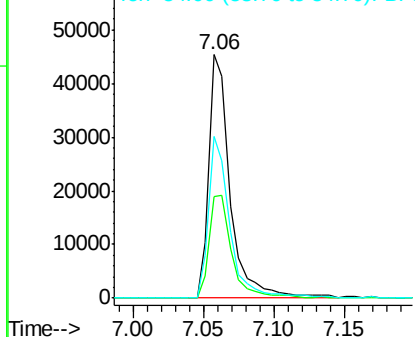


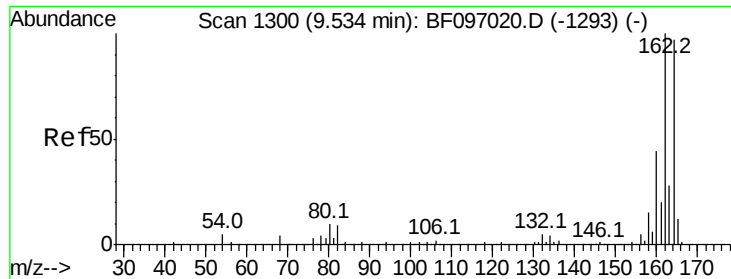
#23
Nitrobenzene-d5
Concen: 6.672 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Tgt Ion: 82	Resp:	48096
Ion	Ratio	Lower Upper
82	100	
128	41.9	34.0 51.0
54	66.6	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: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

E2-M8-BASE

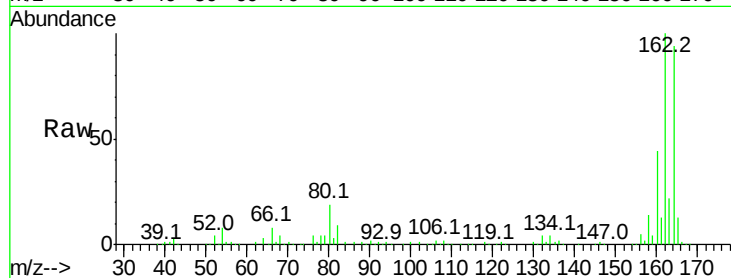
Tot Ion:164 Resp: 140682

Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

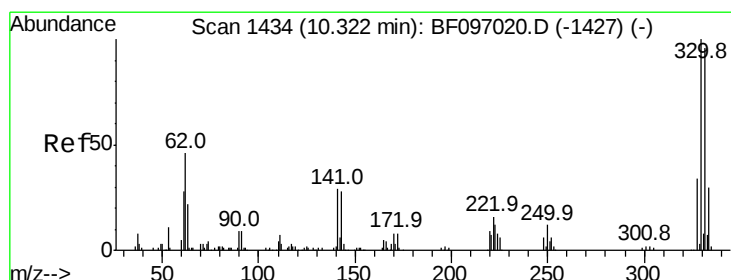
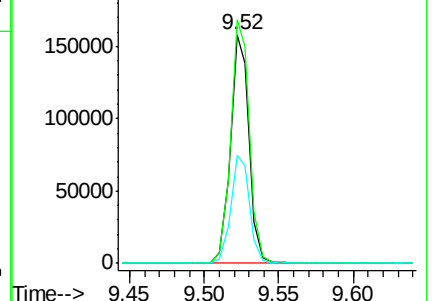
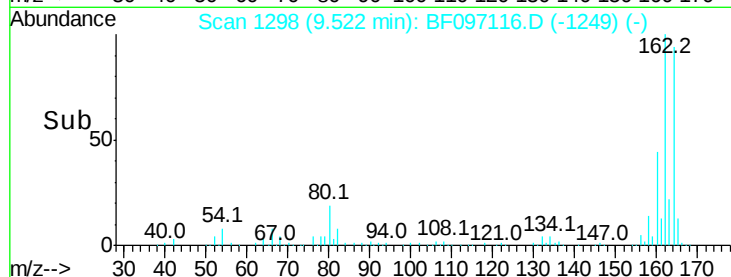
160 47.1 36.2 54.2



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: 10.415 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

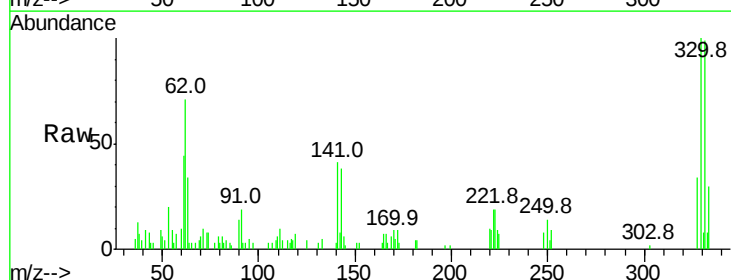
Tgt Ion:330 Resp: 11577

Ion Ratio Lower Upper

330 100

332 89.7 76.6 115.0

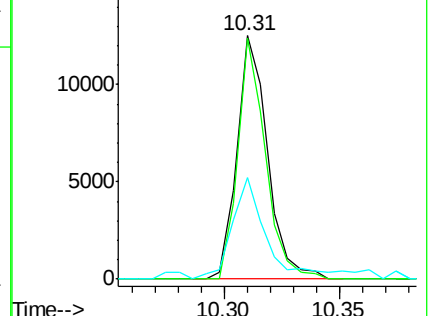
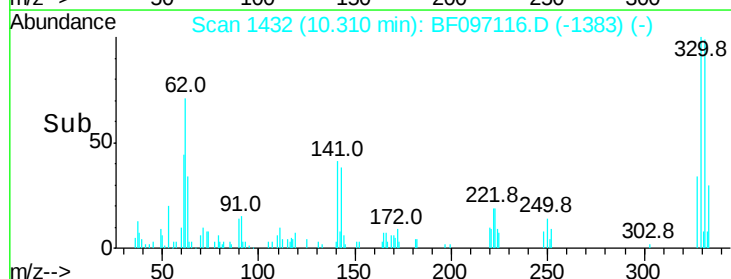
141 45.6 31.4 47.2

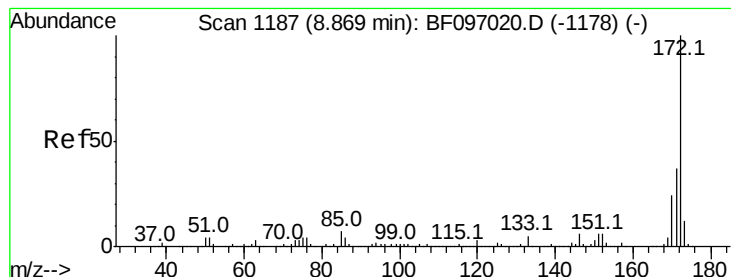


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 10.202 ng

RT: 8.86 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

E2-M8-BASE

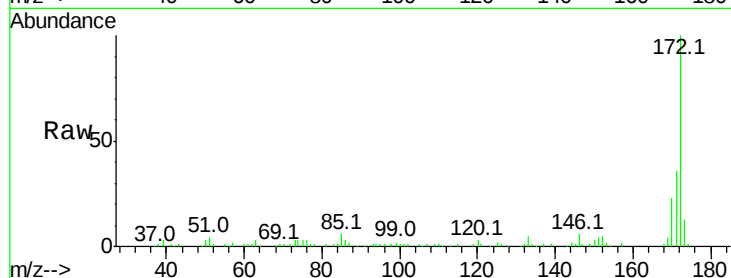
Tot Ion:172 Resp: 84572

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

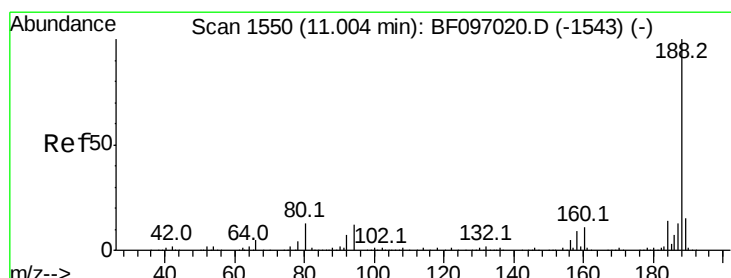
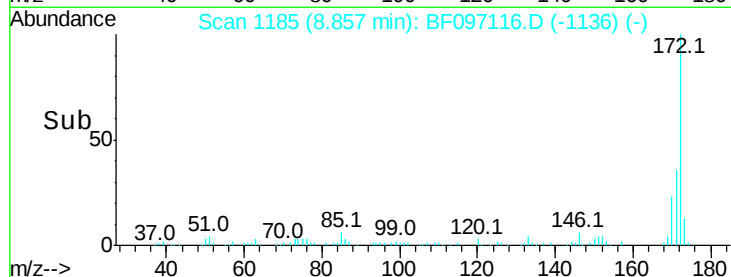
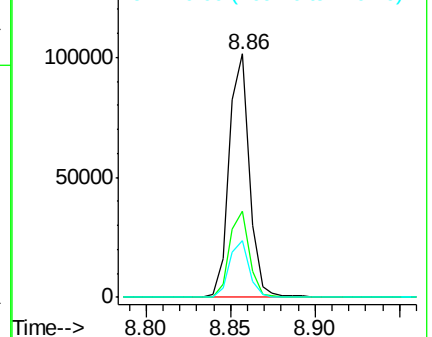
170 23.4 19.8 29.8



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

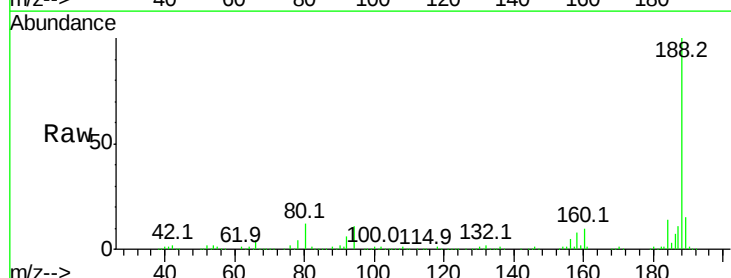
Tgt Ion:188 Resp: 214946

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

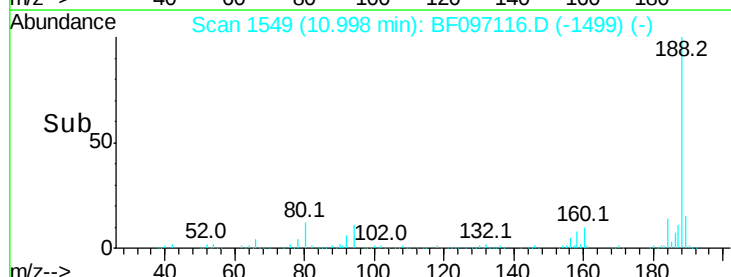
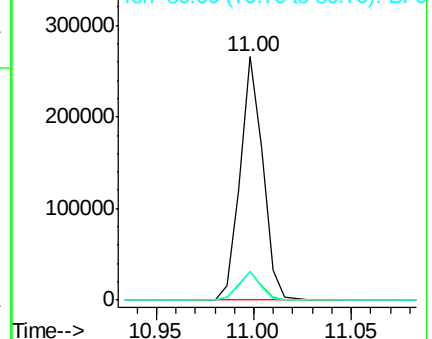
80 11.7 10.2 15.2

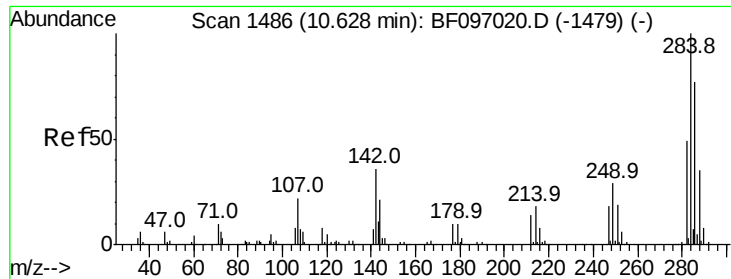


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

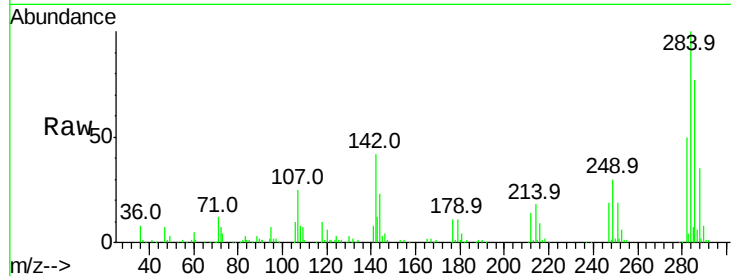




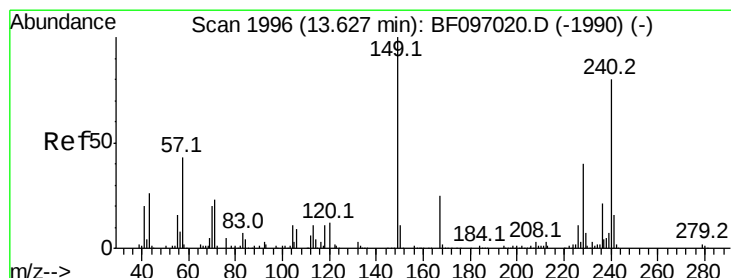
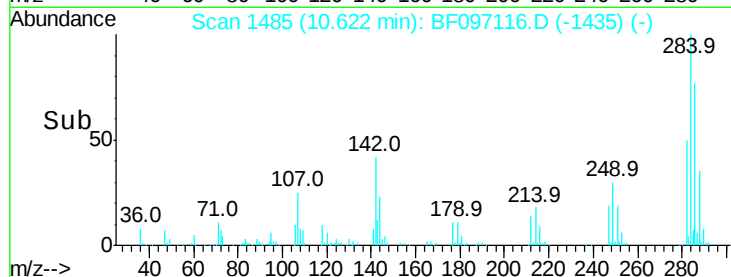
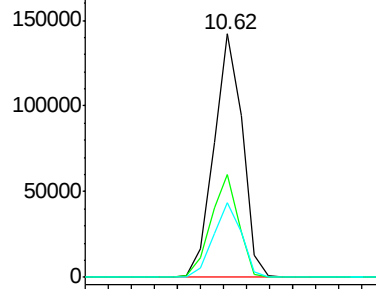
#67
Hexachlorobenzene
Concen: 51.017 ng
RT: 10.62 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Instrument :
BNA_F
ClientSampleId :
E2-M8-BASE

Tot Ion:284 Resp: 122721
Ion Ratio Lower Upper
284 100
142 42.5 22.8 34.2#
249 30.4 24.0 36.0

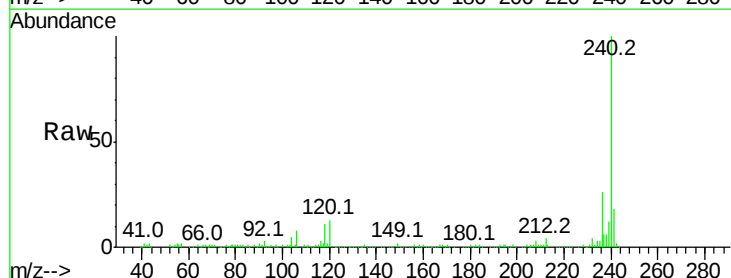


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

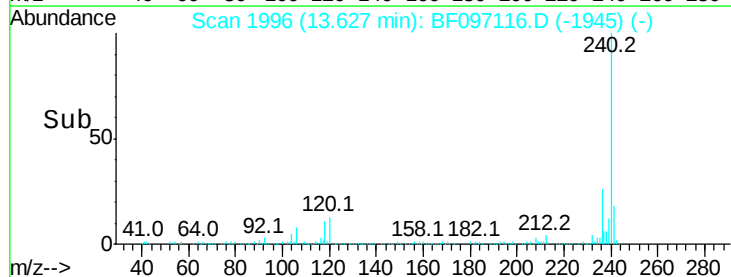
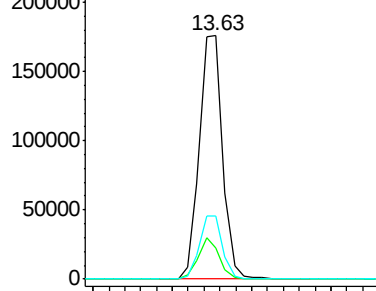


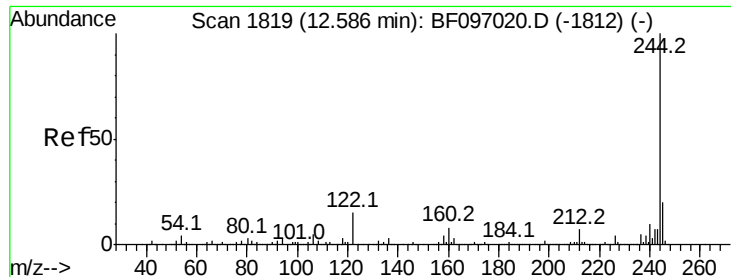
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.63 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BF097116.D
Acq: 27 Jul 2017 10:25

Tgt Ion:240 Resp: 179030
Ion Ratio Lower Upper
240 100
120 13.0 5.8 8.8#
236 26.1 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: 4.498 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

Instrument :

BNA_F

ClientSampleId :

E2-M8-BASE

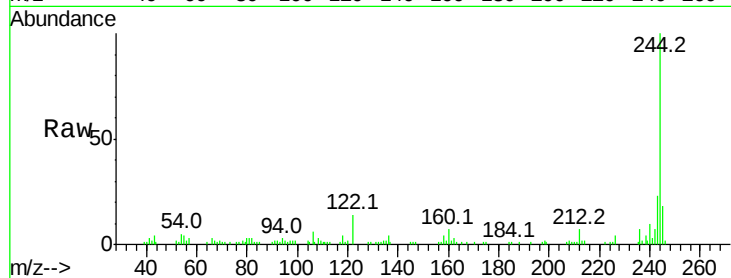
Tot Ion:244 Resp: 39499

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

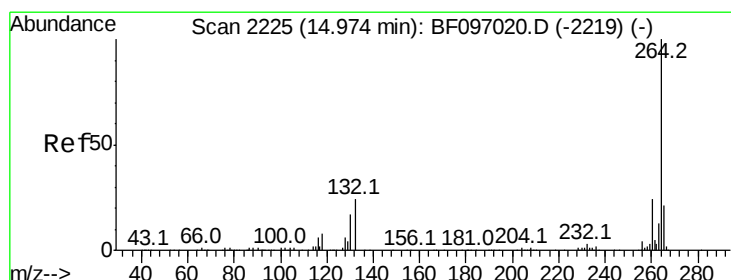
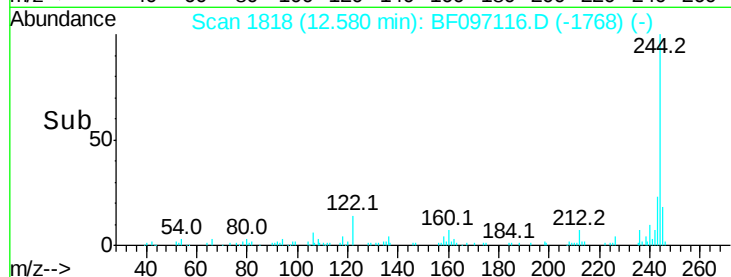
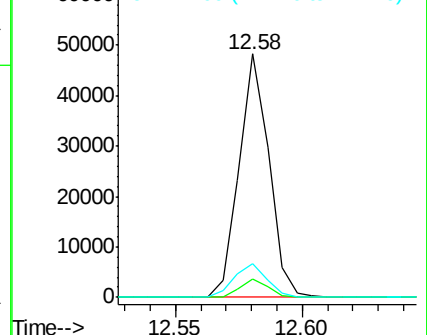
122 13.8 10.3 15.5



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: 14.97 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF097116.D

Acq: 27 Jul 2017 10:25

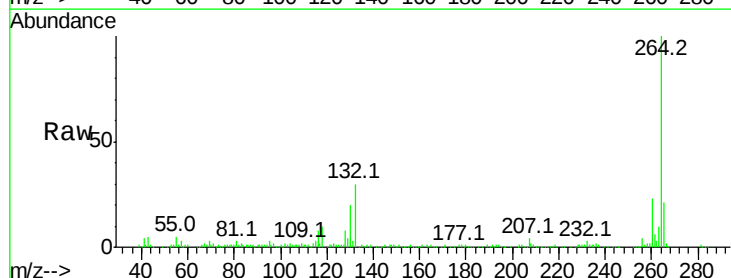
Tgt Ion:264 Resp: 150507

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 20.5 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

