

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097034.D
 Acq On : 25 Jul 2017 17:40
 Operator : SJ/JU
 Sample : I4402-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

Quant Time: Jul 26 01:26:53 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

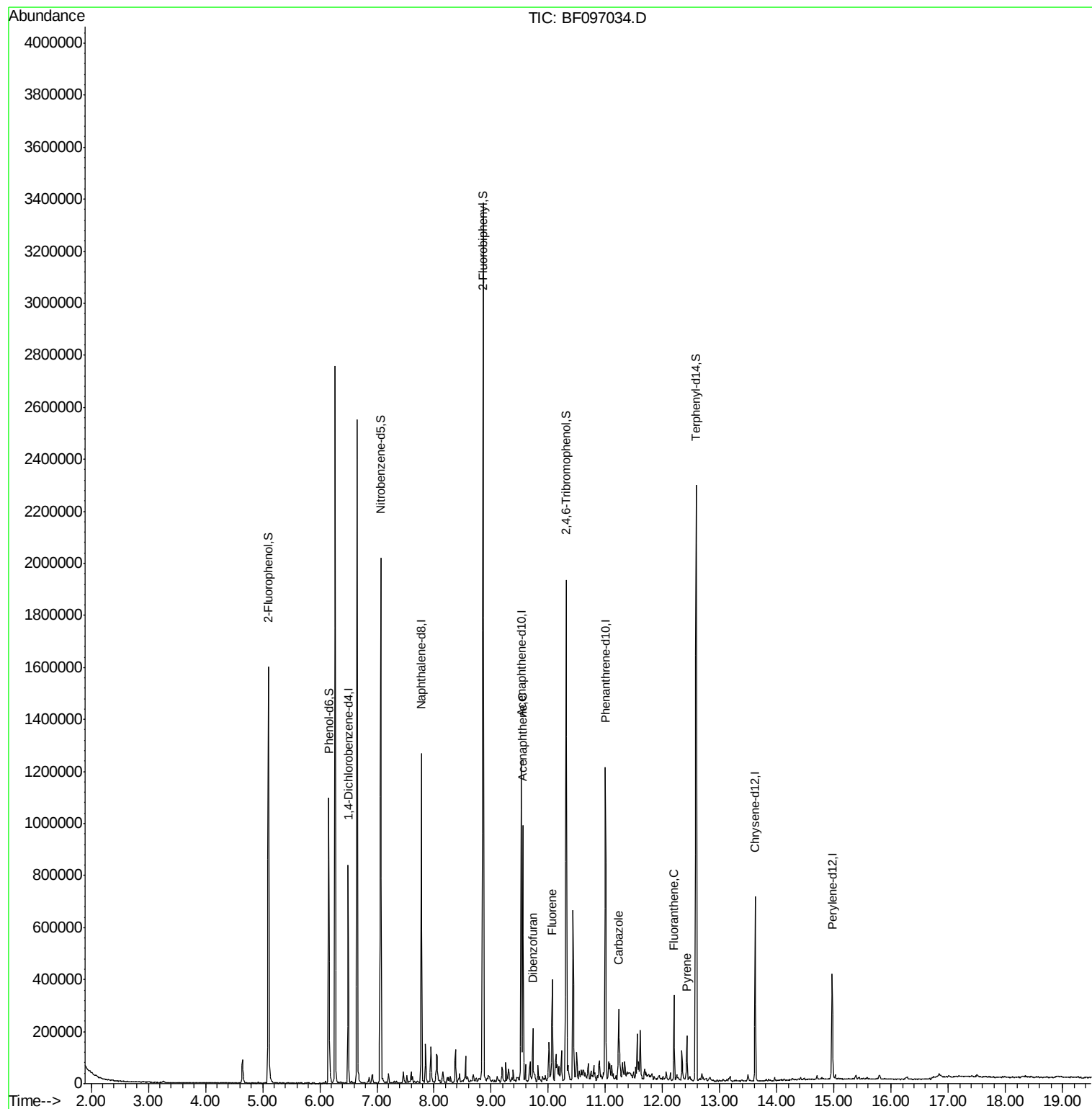
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	128659	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	564452	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	255872	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	405567	20.00	ng	0.00
75) Chrysene-d12	13.62	240	236345	20.00	ng	0.00
86) Perylene-d12	14.97	264	157498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	477113	55.90	ng	0.00
7) Phenol-d6	6.16	99	367035	37.67	ng	-0.01
23) Nitrobenzene-d5	7.07	82	709835	73.77	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	245742	121.56	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1311070	86.96	ng	0.00
78) Terphenyl-d14	12.59	244	835815	72.10	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.56	154	209097	14.380	ng	99
54) Dibenzofuran	9.73	168	72764	3.757	ng	99
57) Fluorene	10.07	166	95539	6.563	ng	# 97
72) Carbazole	11.23	167	80820	3.692	ng	96
74) Fluoranthene	12.20	202	129065	6.063	ng	96
77) Pyrene	12.43	202	59487	3.074	ng	98

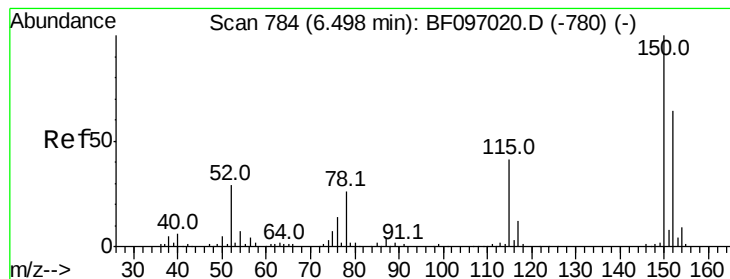
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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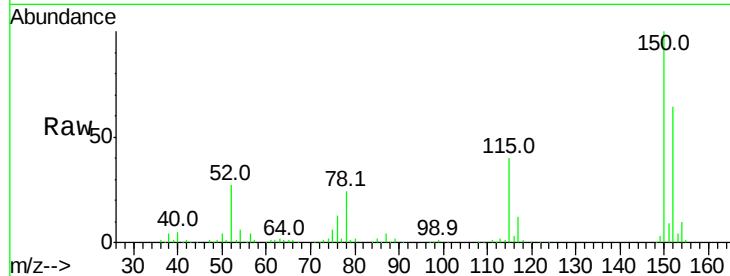


#1

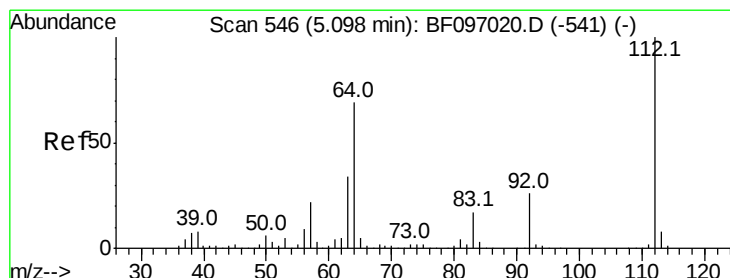
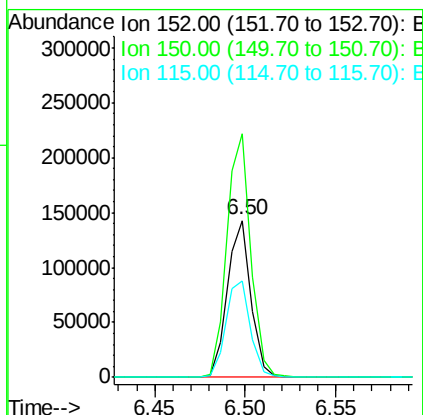
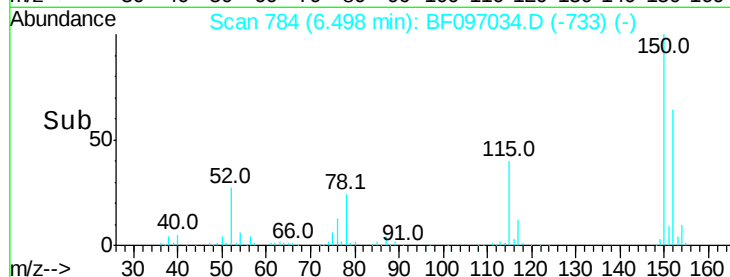
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-260783

Tot Ion:152 Resp: 128659
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 61.6 52.2 78.2



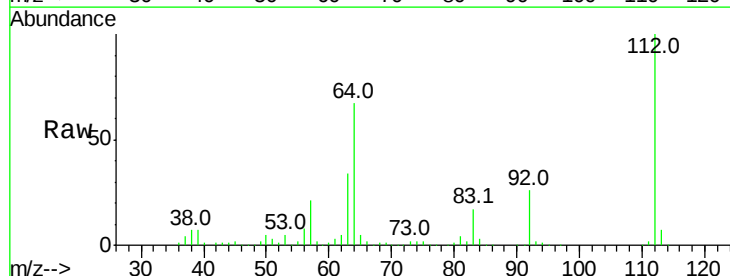
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



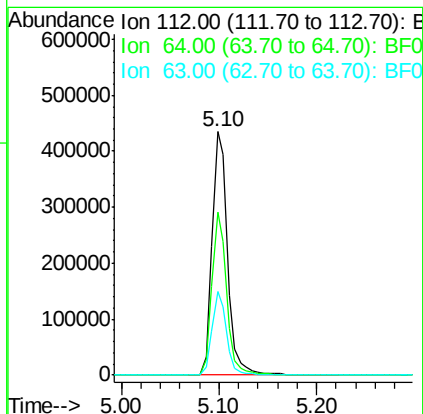
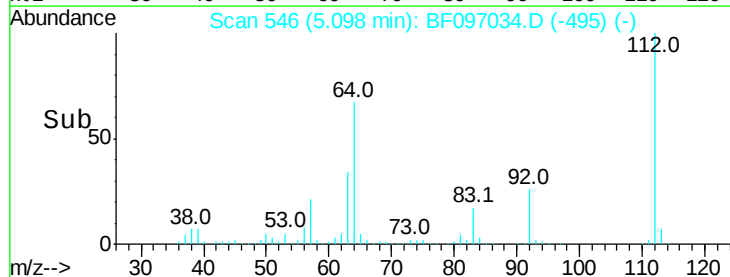
#5

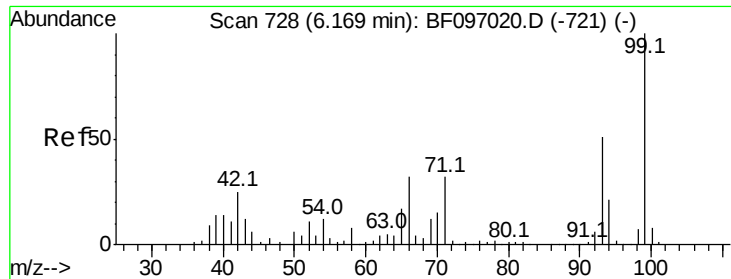
2-Fluorophenol
Concen: 55.903 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097034.D
Acq: 25 Jul 2017 17:40

Tgt Ion:112 Resp: 477113
Ion Ratio Lower Upper
112 100
64 67.0 46.0 69.0
63 34.4 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: 37.670 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

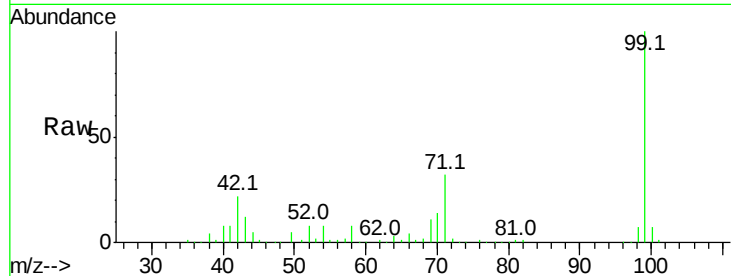
Tot Ion: 99 Resp: 367035

Ion Ratio Lower Upper

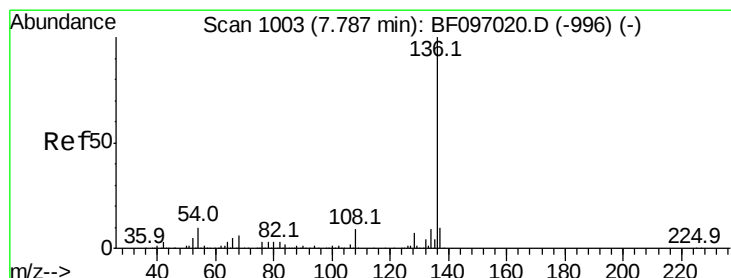
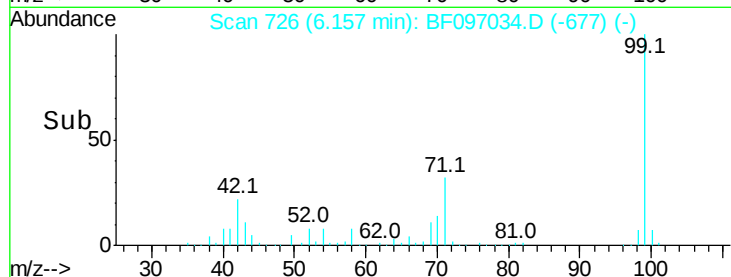
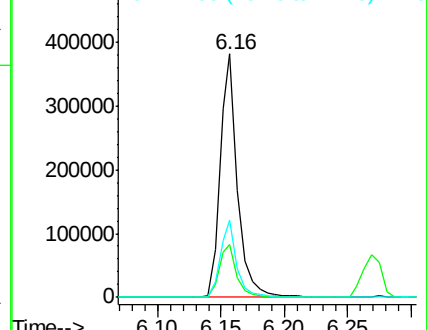
99 100

42 21.5 13.5 20.3#

71 31.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Tgt Ion: 136 Resp: 564452

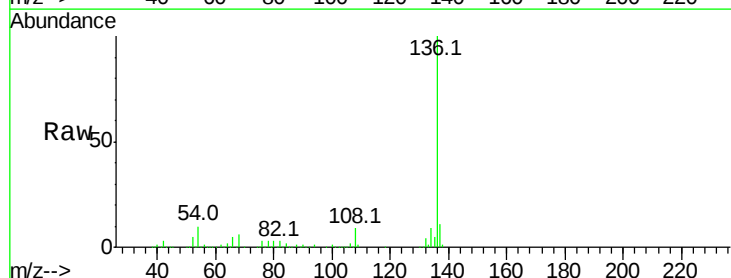
Ion Ratio Lower Upper

136 100

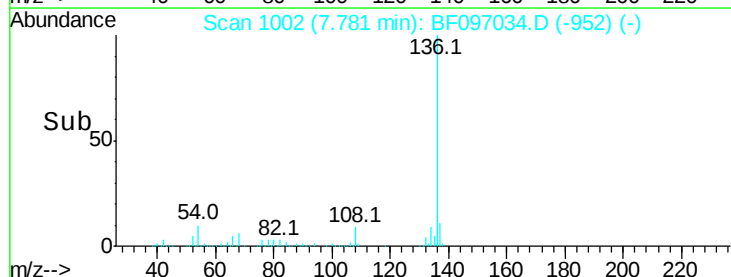
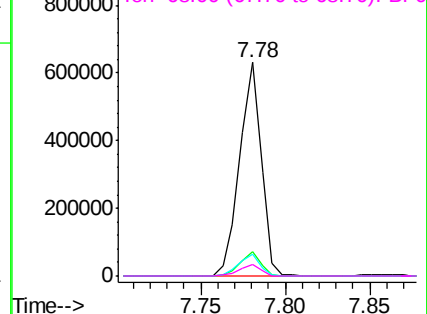
137 11.2 8.5 12.7

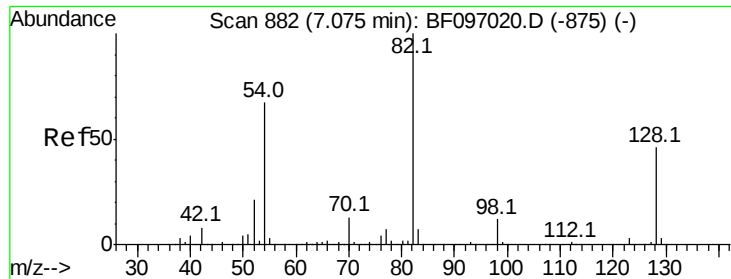
54 10.1 4.9 7.3#

68 5.7 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

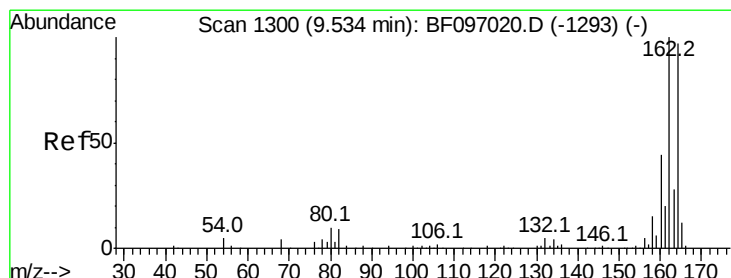
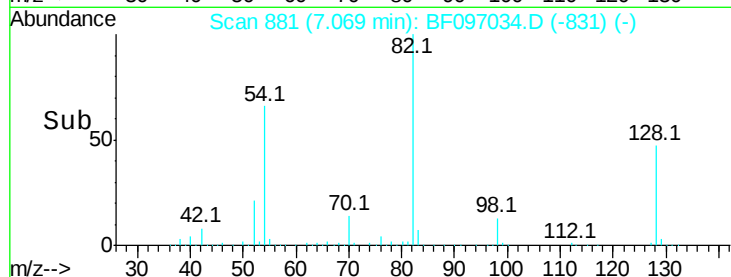
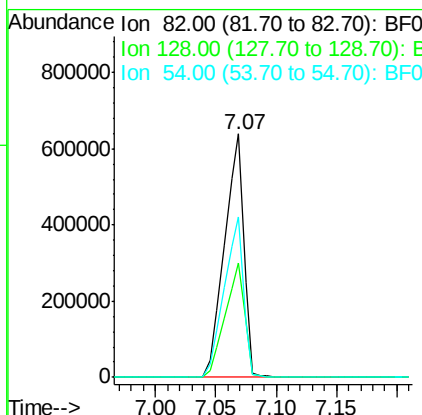
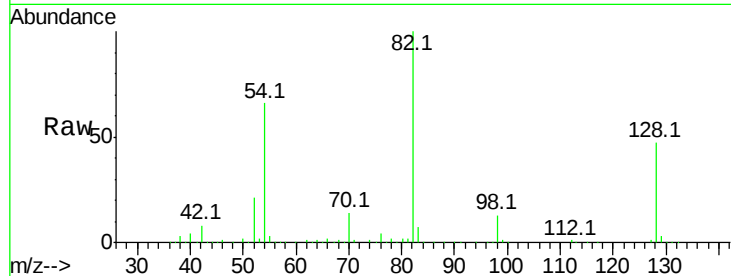




#23
 Nitrobenzene-d5
 Concen: 73.774 ng
 RT: 7.07 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

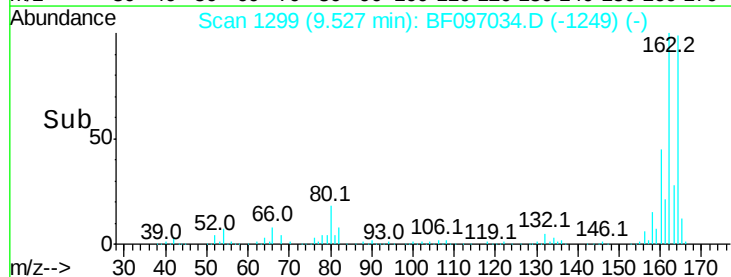
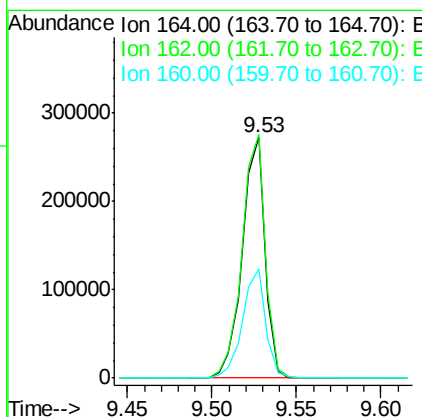
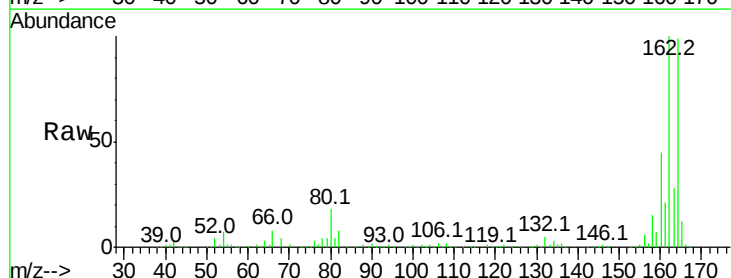
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

Tot Ion: 82 Resp: 709835
 Ion Ratio Lower Upper
 82 100
 128 47.0 34.0 51.0
 54 65.7 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Tgt Ion:164 Resp: 255872
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 123.8
 160 45.7 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 121.556 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

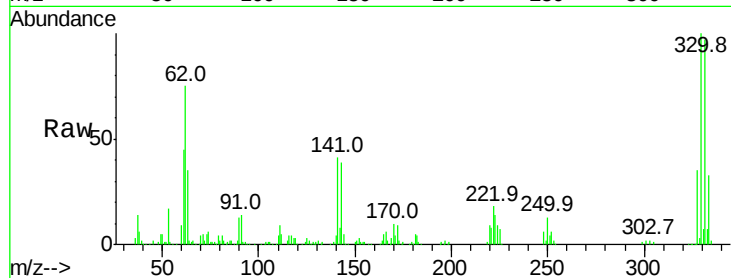
Tot Ion:330 Resp: 245742

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

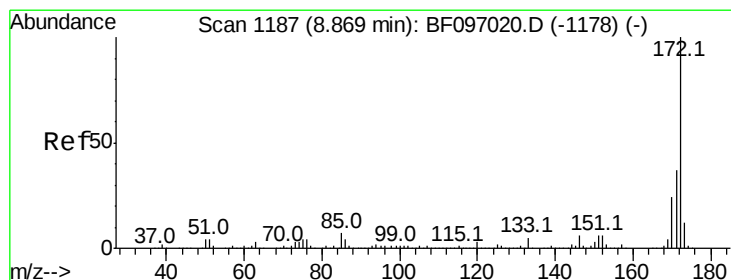
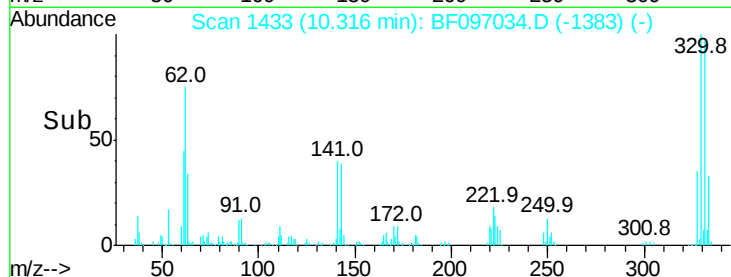
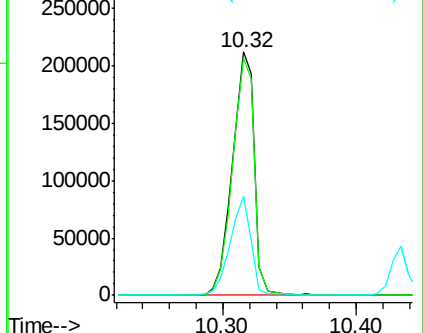
141 38.9 31.4 47.2



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: 86.958 ng

RT: 8.86 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

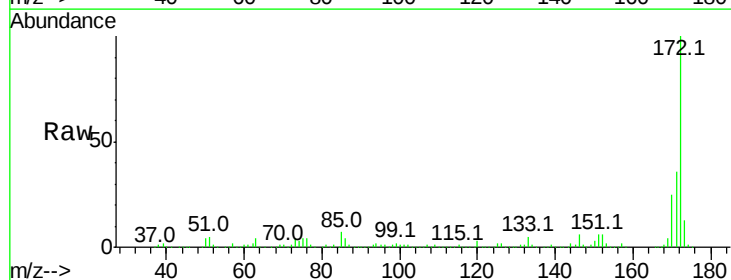
Tgt Ion:172 Resp: 1311070

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

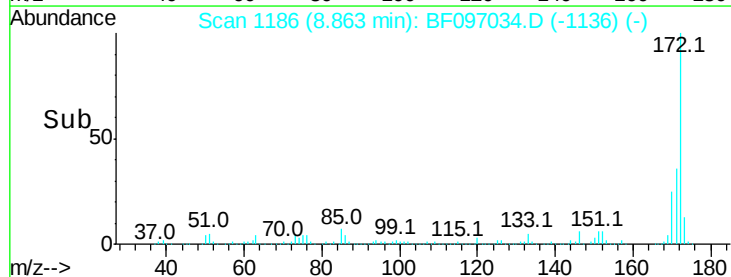
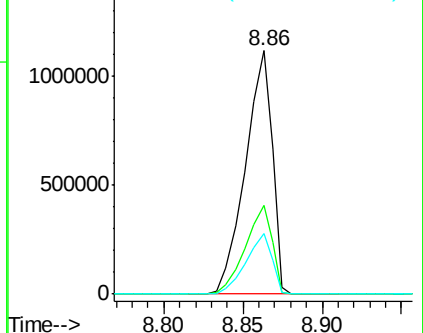
170 24.7 19.8 29.8

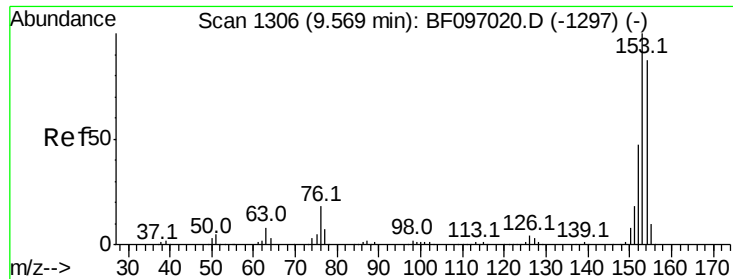


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 14.380 ng

RT: 9.56 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

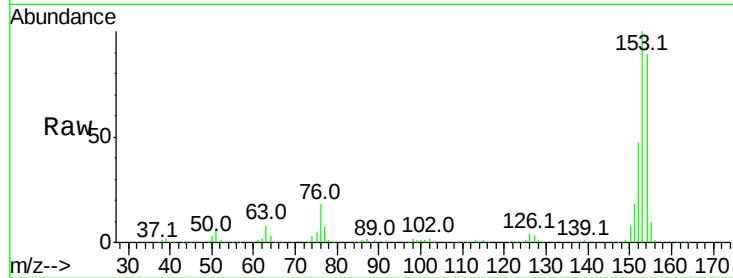
Tot Ion:154 Resp: 209097

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

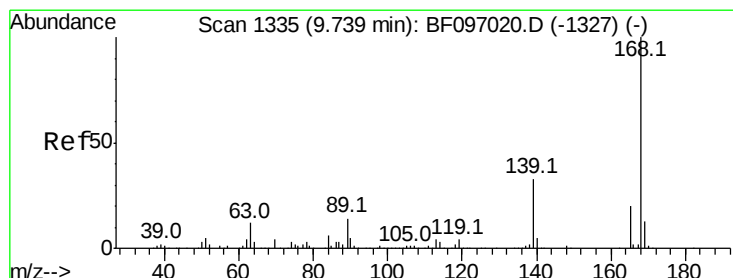
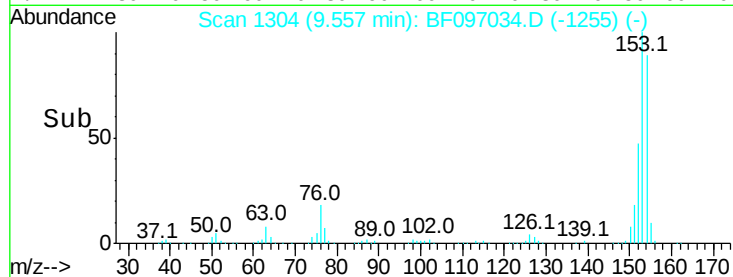
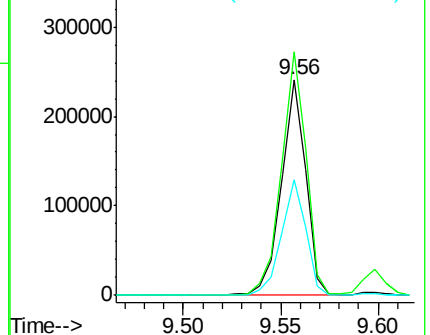
152 53.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.757 ng

RT: 9.73 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

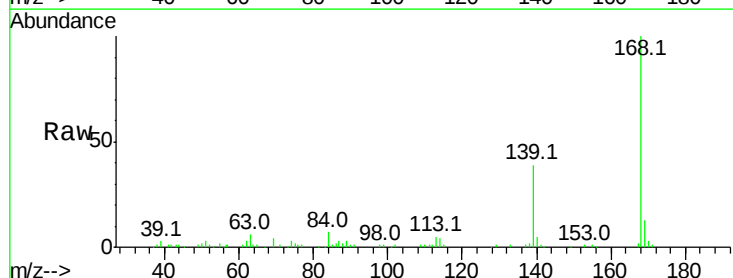
Tgt Ion:168 Resp: 72764

Ion Ratio Lower Upper

168 100

139 39.2 30.6 45.8

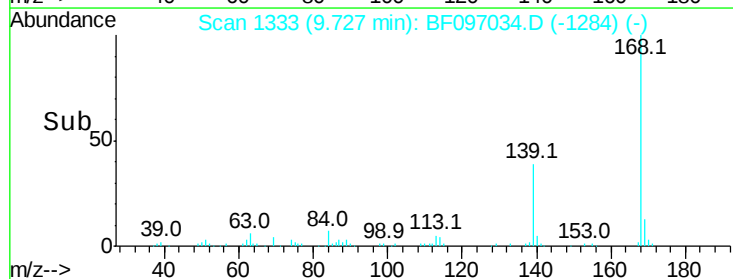
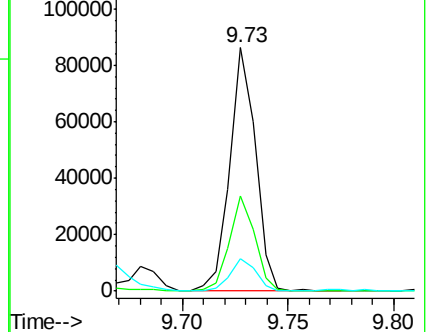
169 13.2 10.8 16.2

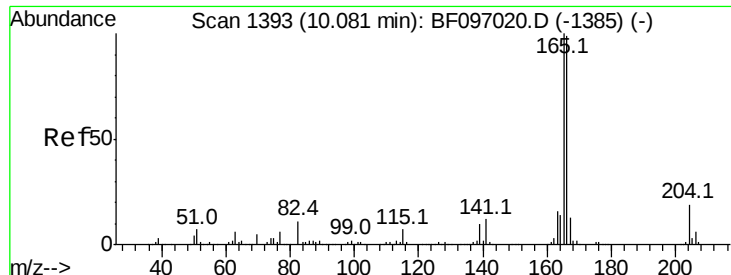


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

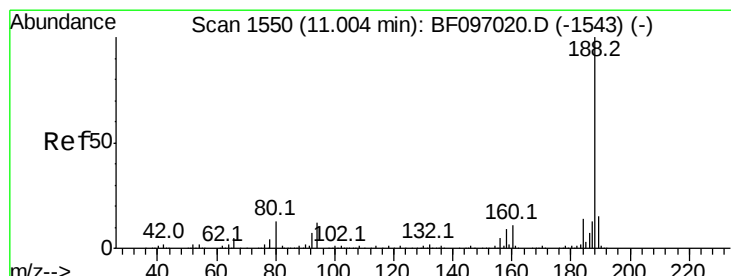
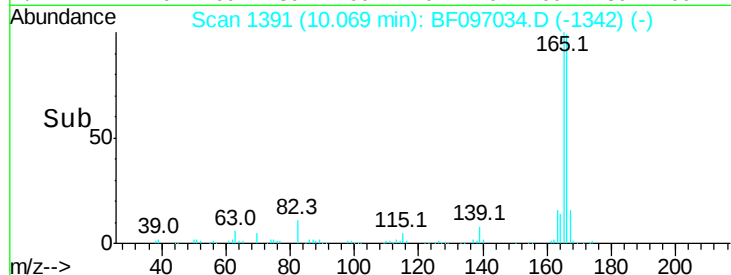
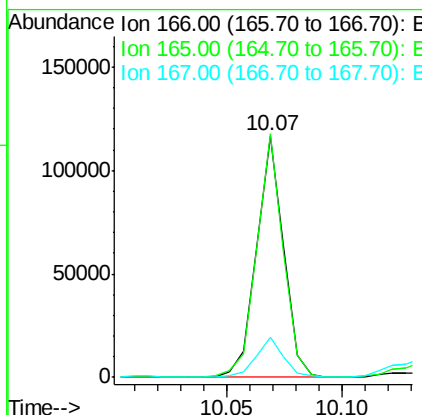
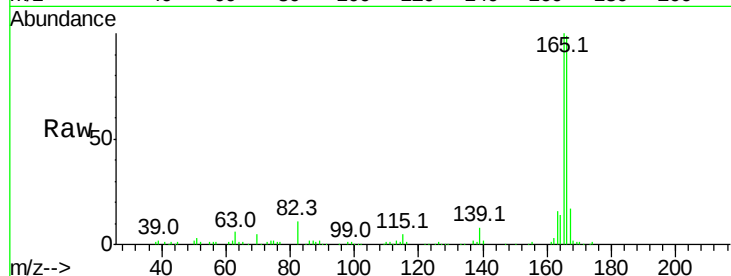




#57
Fluorene
 Concen: 6.563 ng
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

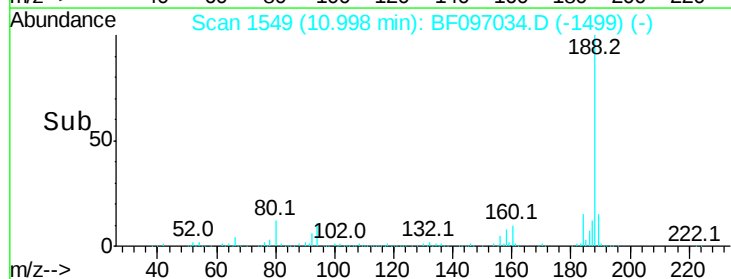
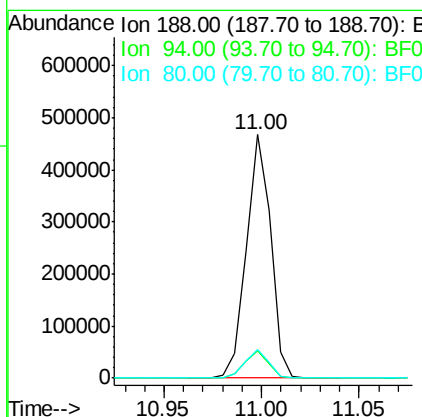
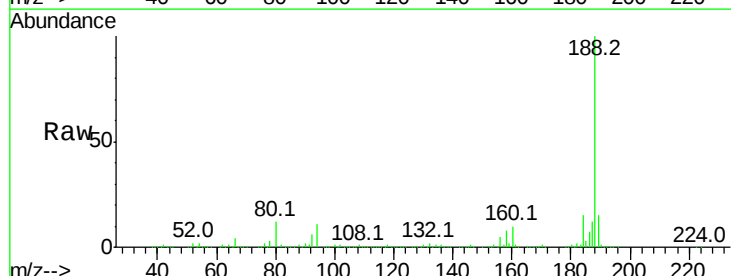
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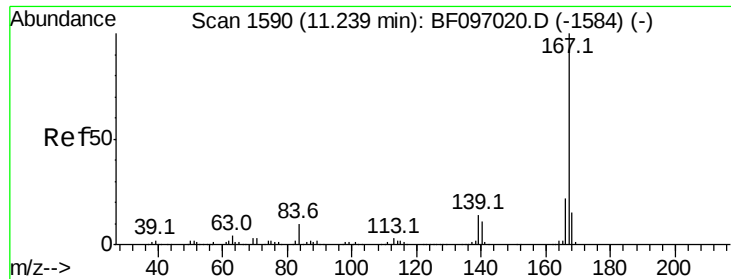
Tot Ion:166 Resp: 95539
 Ion Ratio Lower Upper
 166 100
 165 101.0 78.8 118.2
 167 16.8 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Tgt Ion:188 Resp: 405567
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.5 10.2 15.2

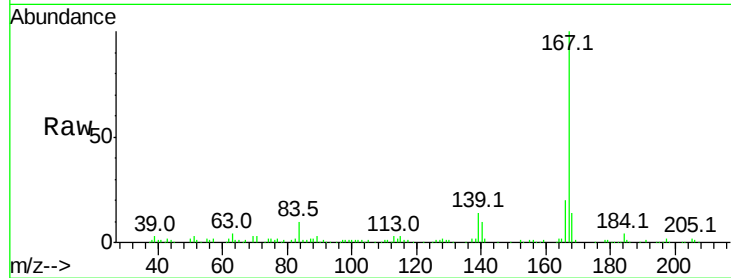




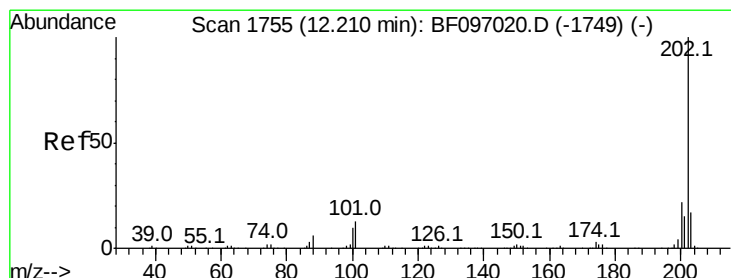
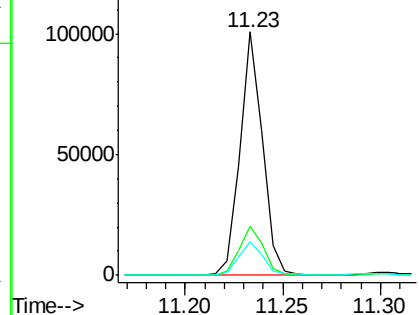
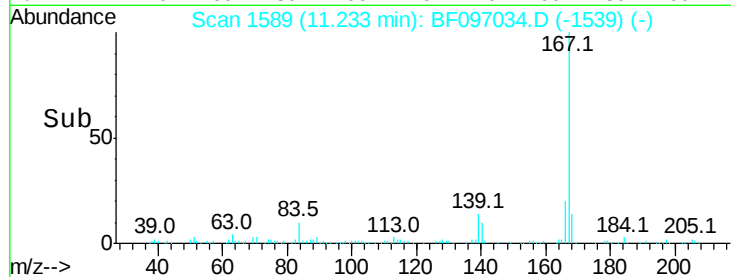
#72
 Carbazole
 Concen: 3.692 ng
 RT: 11.23 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-260783

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.2	18.1	27.1
139	13.8	11.7	17.5

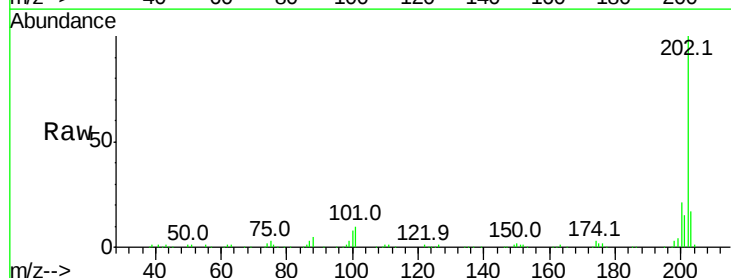


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

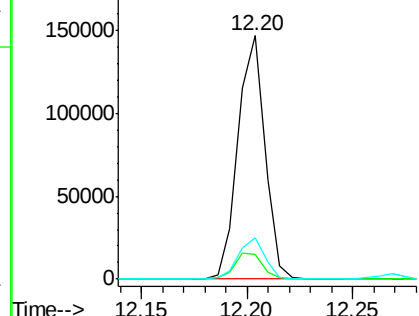
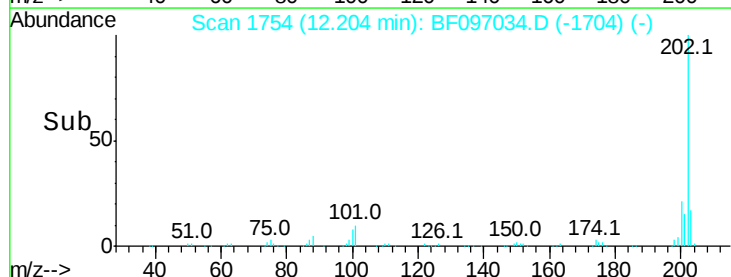


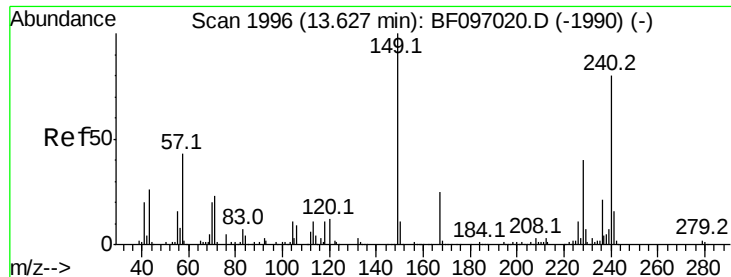
#74
 Fluoranthene
 Concen: 6.063 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097034.D
 Acq: 25 Jul 2017 17:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.2
203	17.1	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: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

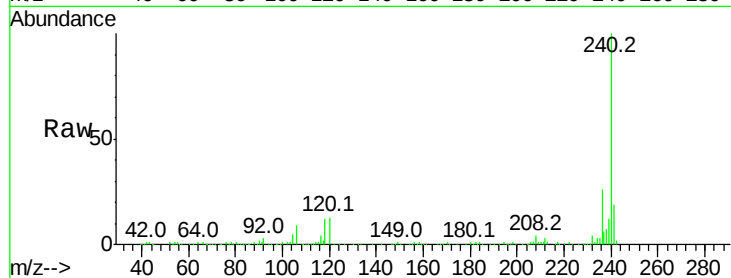
Tot Ion:240 Resp: 236345

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

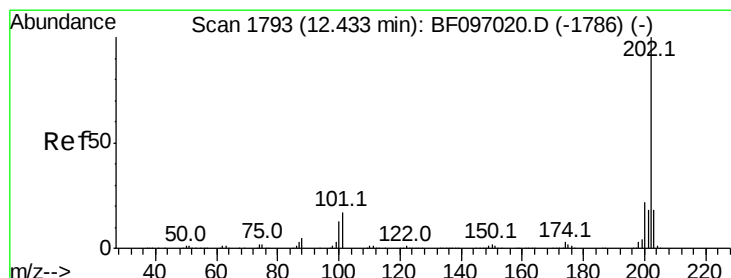
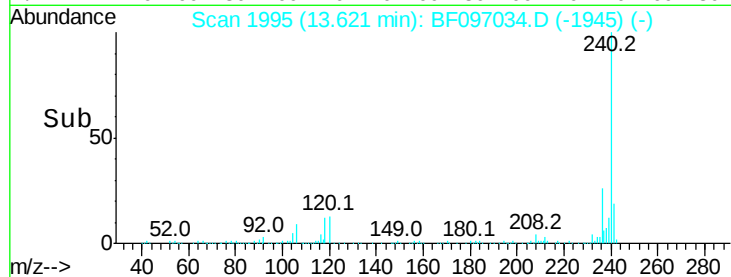
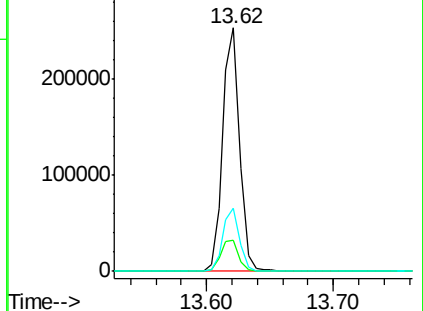
236 25.9 20.5 30.7



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: 3.074 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

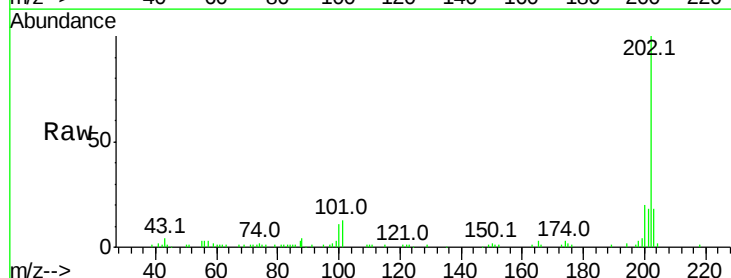
Tgt Ion:202 Resp: 59487

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

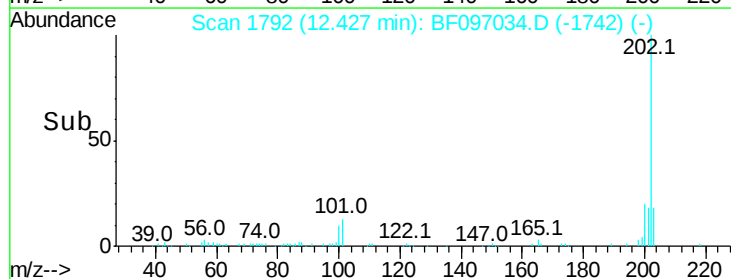
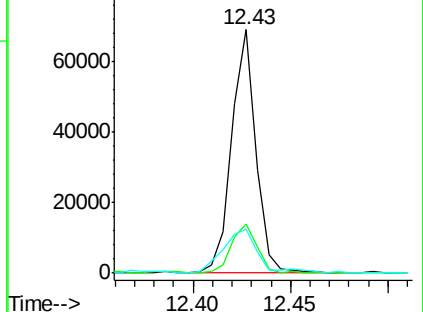
203 18.3 14.4 21.6

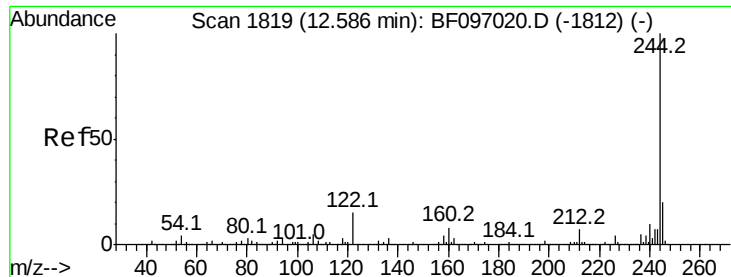


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.102 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-260783

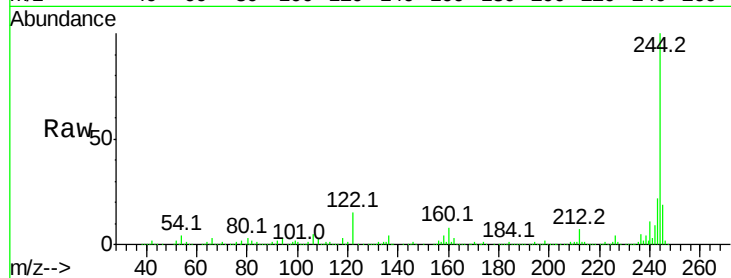
Tot Ion:244 Resp: 835815

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

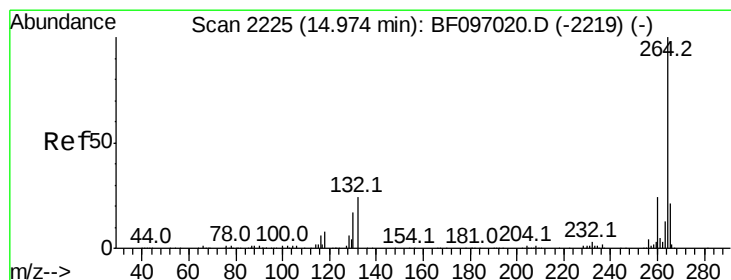
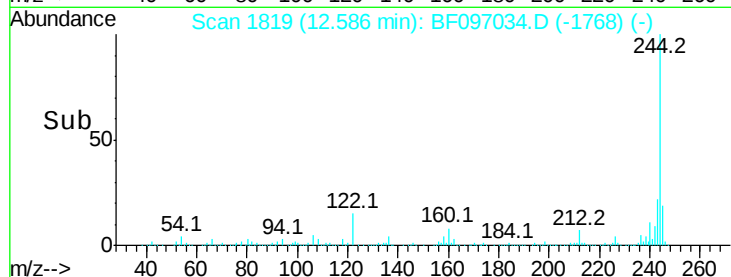
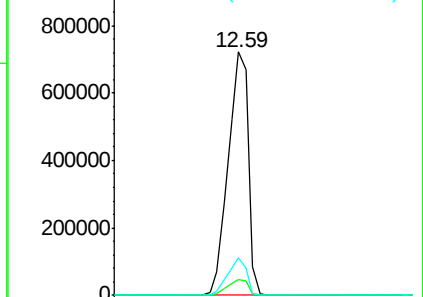
122 15.5 10.3 15.5



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: 20.000 ng

RT: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097034.D

Acq: 25 Jul 2017 17:40

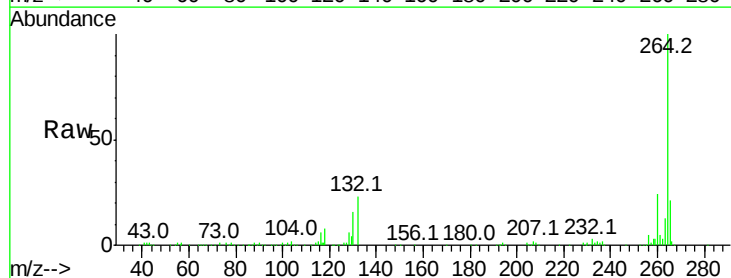
Tgt Ion:264 Resp: 157498

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.0 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

