

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093990.D
 Acq On : 28 Mar 2017 13:27
 Operator : SJ/MA
 Sample : I2413-02DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-02DL

Quant Time: Mar 28 14:14:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

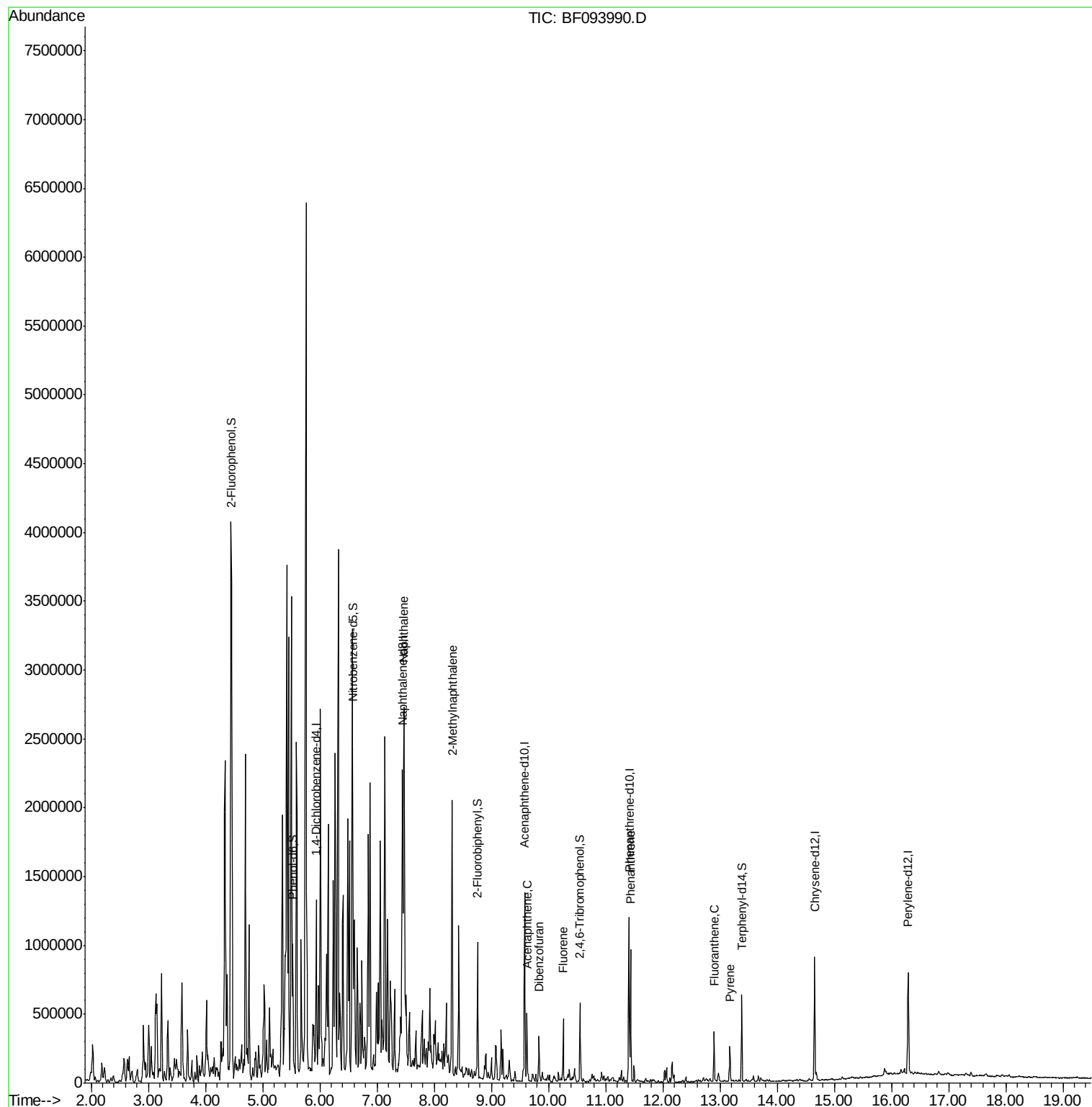
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	172400	20.00	ng	-0.01
21) Naphthalene-d8	7.45	136	664722	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	304008	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	482028	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	325040	20.00	ng	-0.02
86) Perylene-d12	16.29	264	291889	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	209083	20.48	ng	-0.02
7) Phenol-d6	5.53	99	320574	25.39	ng	-0.02
23) Nitrobenzene-d5	6.58	82	175381	15.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	53922	22.45	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	326543	16.38	ng	-0.02
78) Terphenyl-d14	13.38	244	193782	13.36	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.47	128	1183698	37.03	ng	100
37) 2-Methylnaphthalene	8.32	142	639510	30.01	ng	98
51) Acenaphthene	9.62	154	104513	5.61	ng	99
54) Dibenzofuran	9.83	168	119470	4.71	ng	99
57) Fluorene	10.26	166	130358	6.20	ng	99
70) Phenanthrene	11.44	178	410814	15.32	ng	99
74) Fluoranthene	12.90	202	152529	5.56	ng	97
77) Pyrene	13.17	202	105858	4.49	ng	97

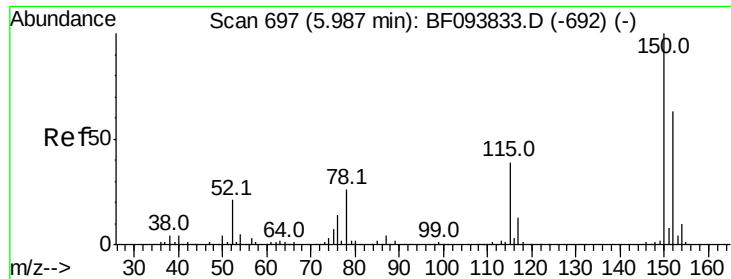
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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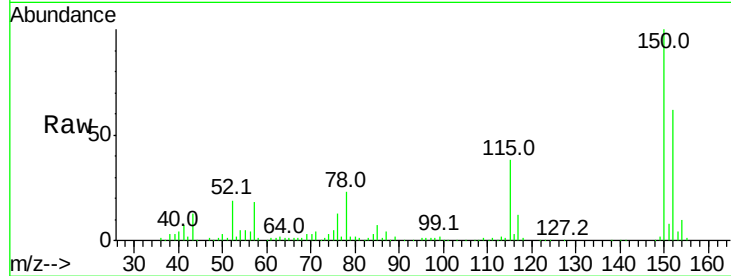


#1

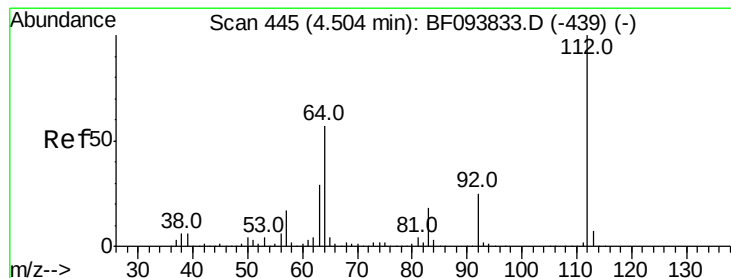
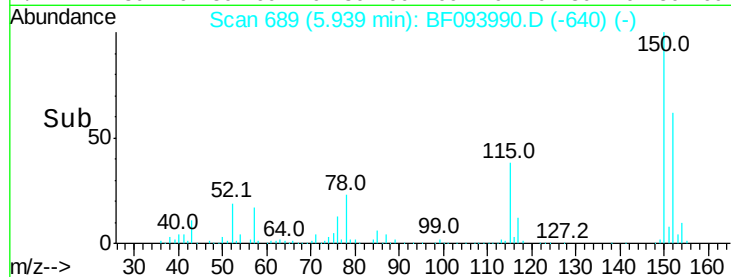
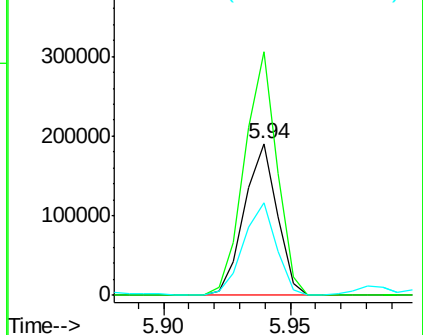
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.94 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF093990.D
Acq: 28 Mar 2017 13:27

Instrument :
BNA_F
ClientSampleId :
TS-02DL

Tot Ion:152 Resp: 172400
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 60.7 52.2 78.2



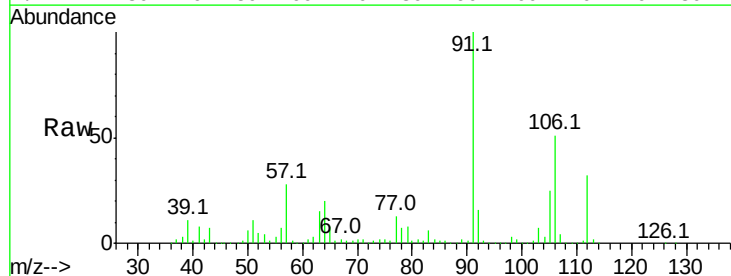
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



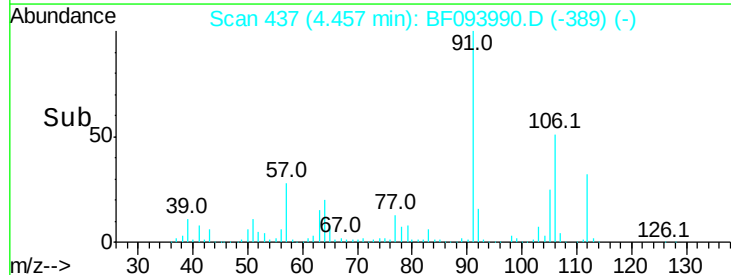
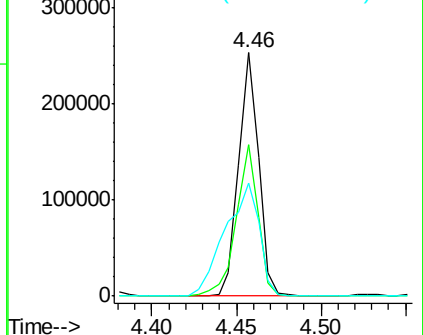
#5

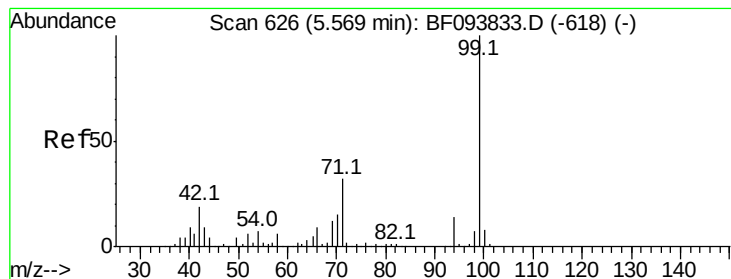
2-Fluorophenol
Concen: 20.48 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF093990.D
Acq: 28 Mar 2017 13:27

Tgt Ion:112 Resp: 209083
Ion Ratio Lower Upper
112 100
64 62.1 46.0 69.0
63 46.3 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: 25.39 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

Instrument :

BNA_F

ClientSampleId :

TS-02DL

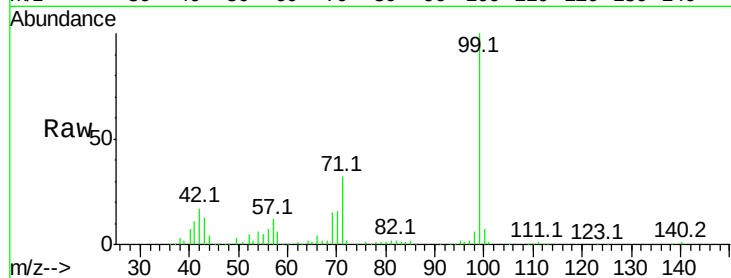
Tot Ion: 99 Resp: 320574

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

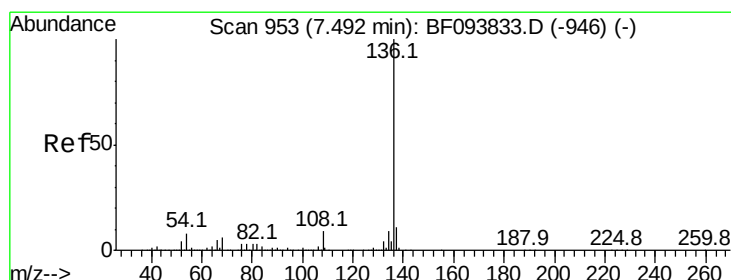
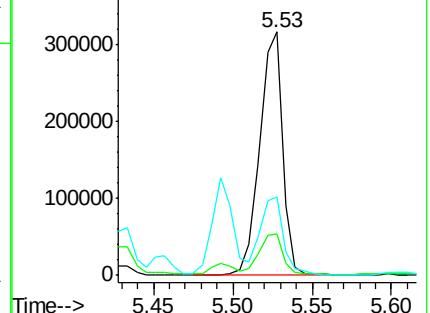
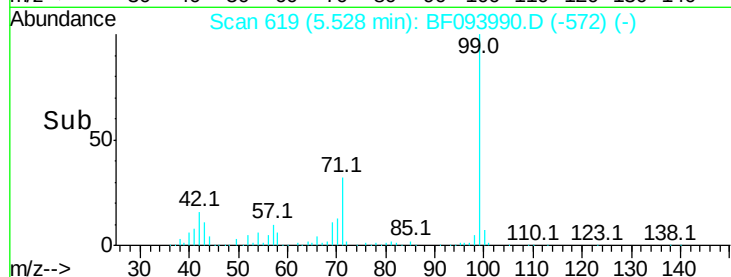
71 32.5 24.5 36.7



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: 20.00 ng

RT: 7.45 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

Tgt Ion: 136 Resp: 664722

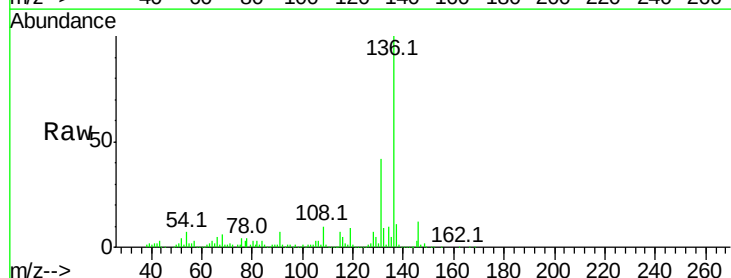
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

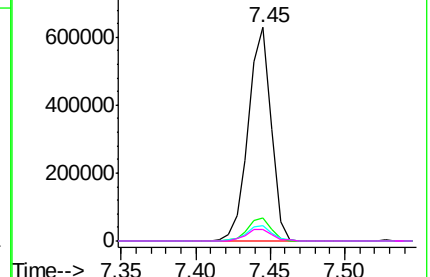
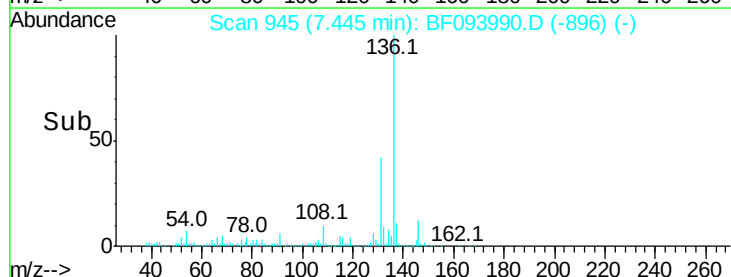


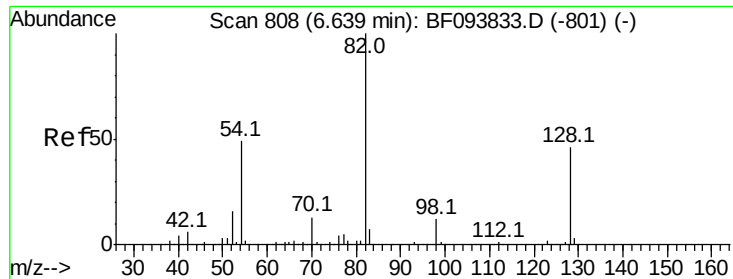
Abundance Ion 136.00 (135.70 to 136.70): E

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

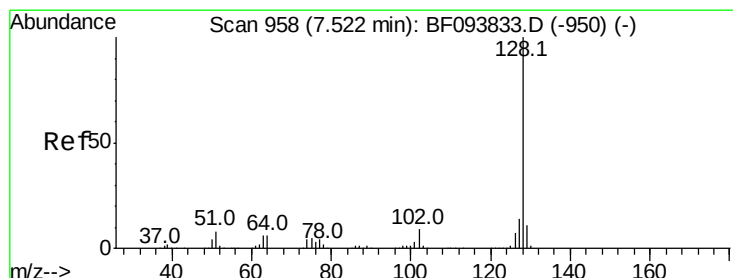
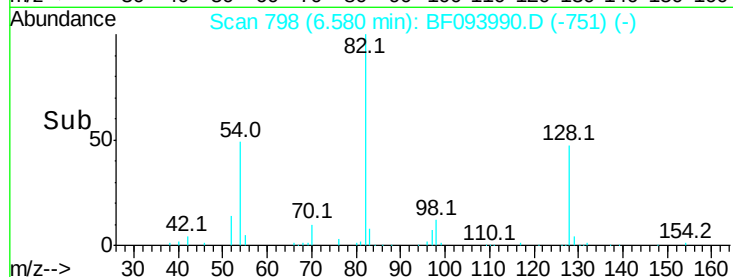
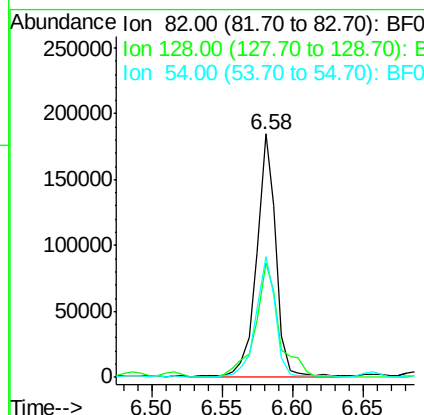
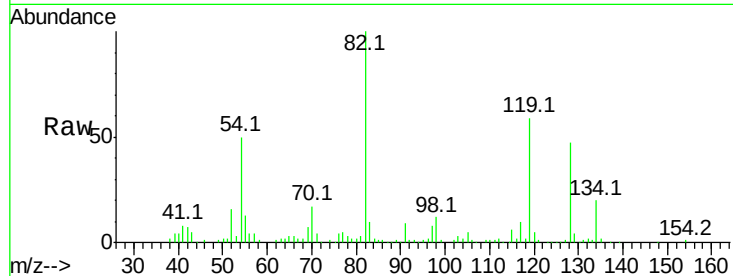




#23
Nitrobenzene-d5
Concen: 15.06 ng
RT: 6.58 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF093990.D
Acq: 28 Mar 2017 13:27

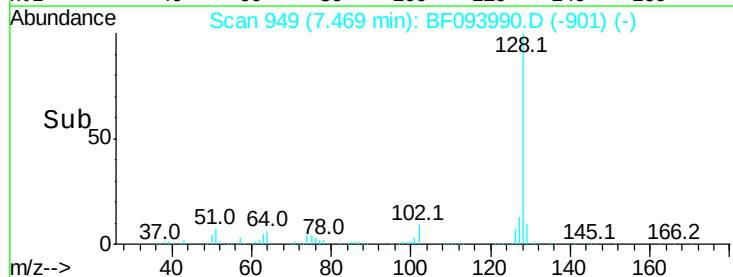
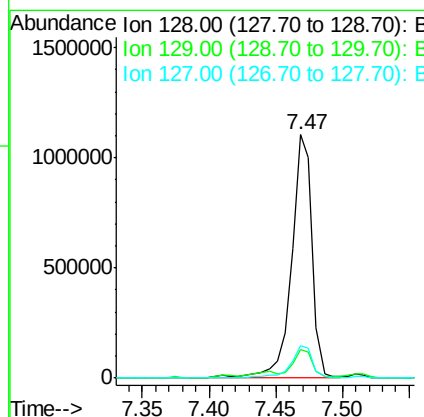
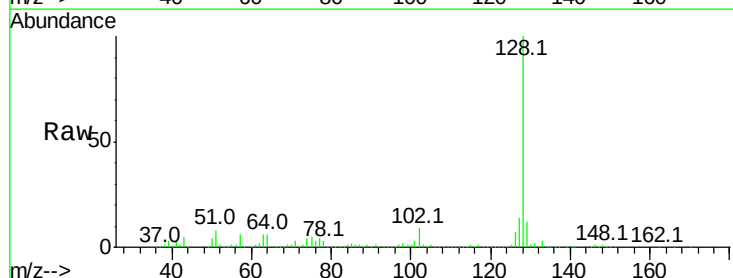
Instrument :
BNA_F
ClientSampleID :
TS-02DL

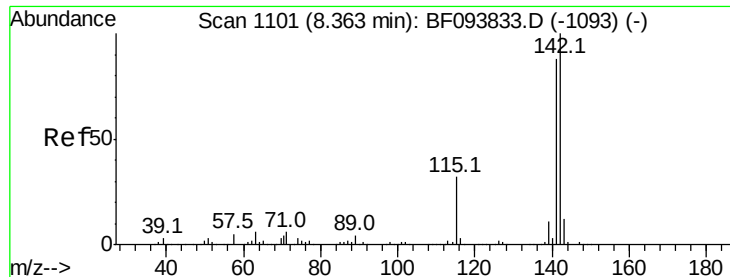
Tot Ion: 82 Resp: 175381
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 49.7 42.2 63.2



#31
Naphthalene
Concen: 37.03 ng
RT: 7.47 min Scan# 949
Delta R.T. -0.02 min
Lab File: BF093990.D
Acq: 28 Mar 2017 13:27

Tgt Ion:128 Resp: 1183698
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.6 10.8 16.2

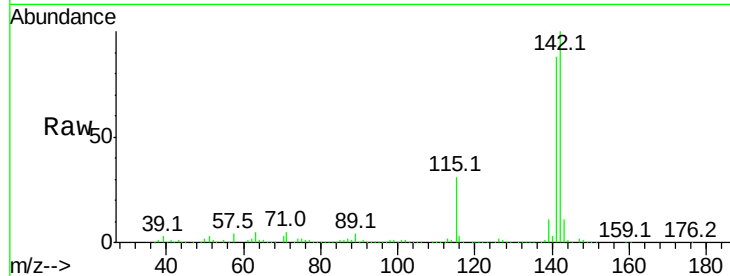




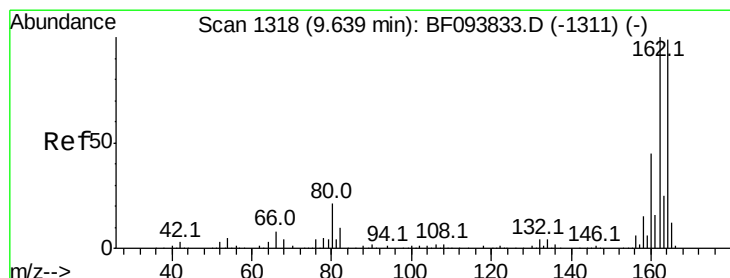
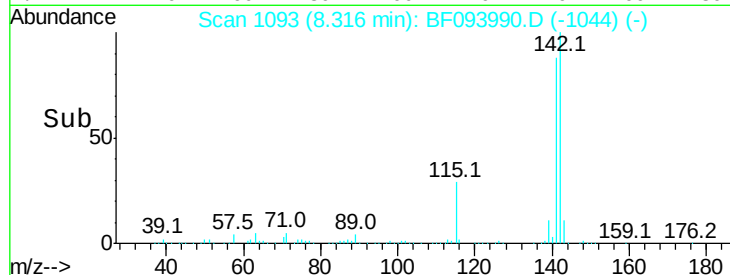
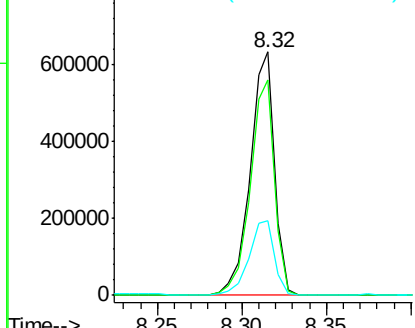
#37
 2-Methylnaphthalene
 Concen: 30.01 ng
 RT: 8.32 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TS-02DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9
115	30.7	27.1	40.7

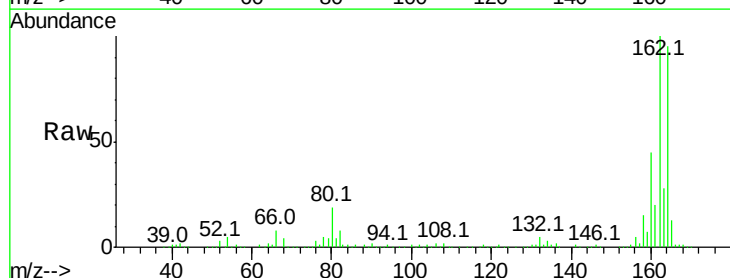


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

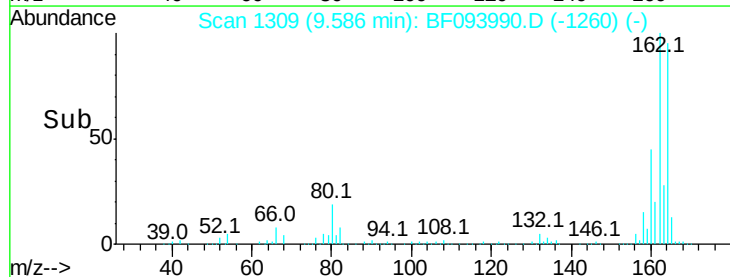
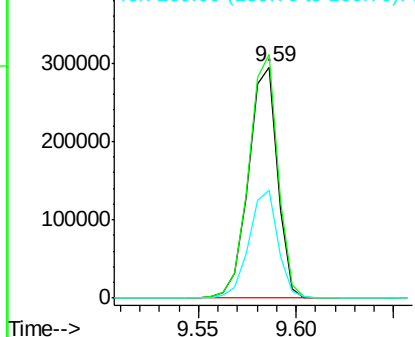


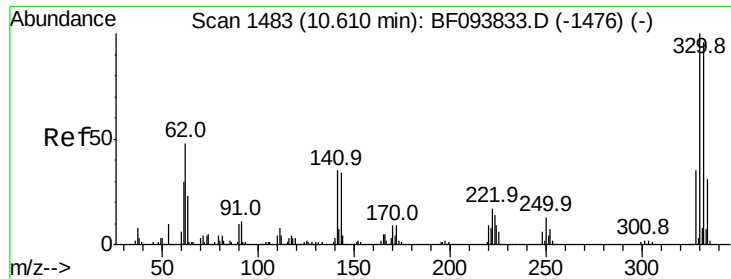
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	46.9	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

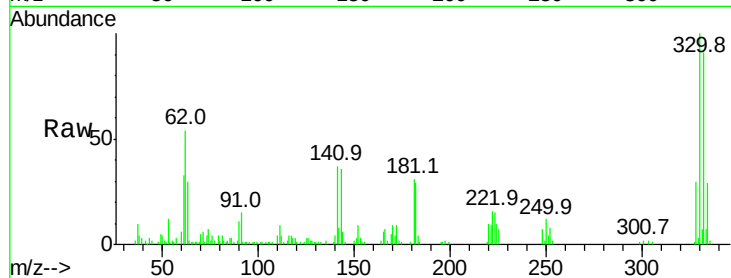




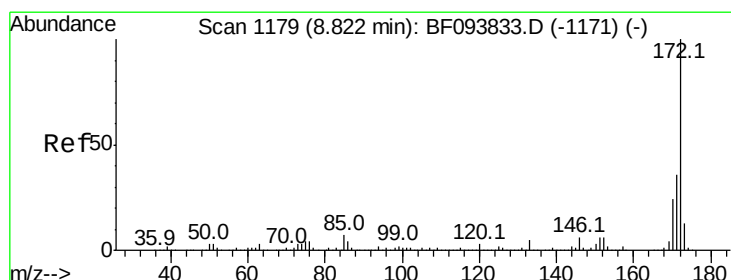
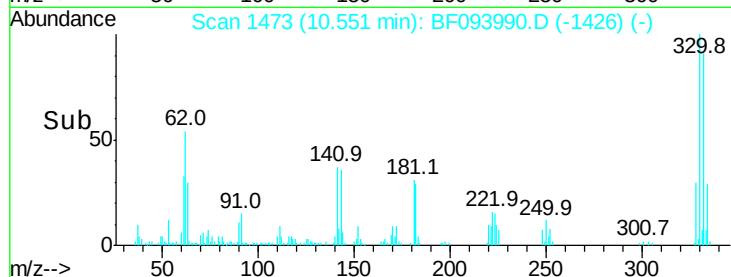
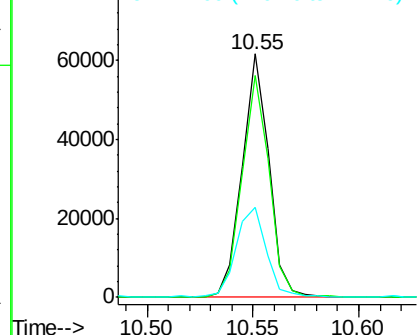
#41
 2,4,6-Tribromophenol
 Concen: 22.45 ng
 RT: 10.55 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TS-02DL

Tot Ion:330 Resp: 53922
 Ion Ratio Lower Upper
 330 100
 332 93.1 76.6 115.0
 141 42.1 31.4 47.2

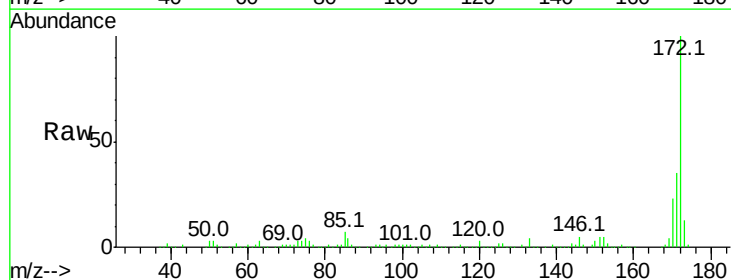


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

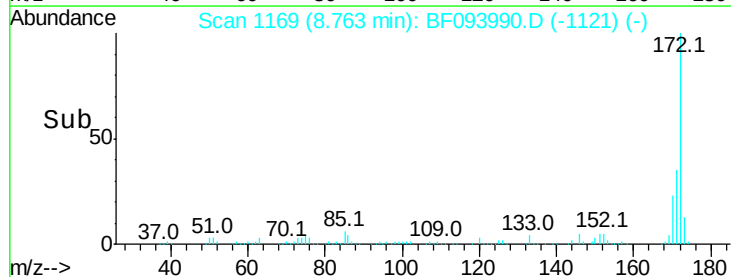
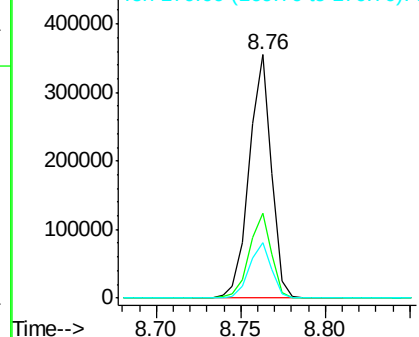


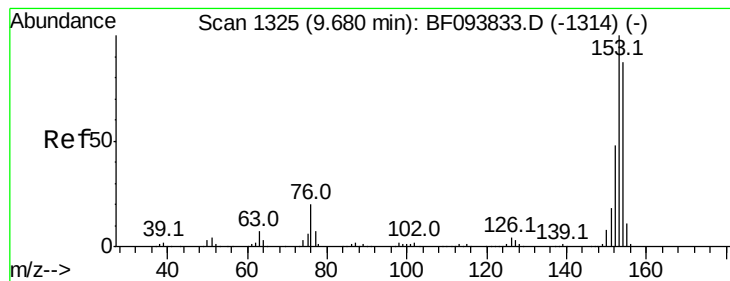
#44
 2-Fluorobiphenyl
 Concen: 16.38 ng
 RT: 8.76 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Tgt Ion:172 Resp: 326543
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.0 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: 5.61 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

Instrument :

BNA_F

ClientSampleId :

TS-02DL

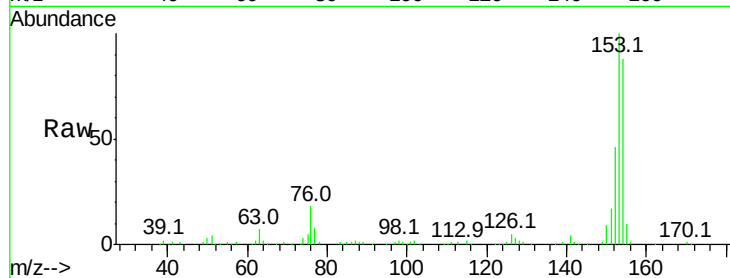
Tot Ion:154 Resp: 104513

Ion Ratio Lower Upper

154 100

153 113.9 90.5 135.7

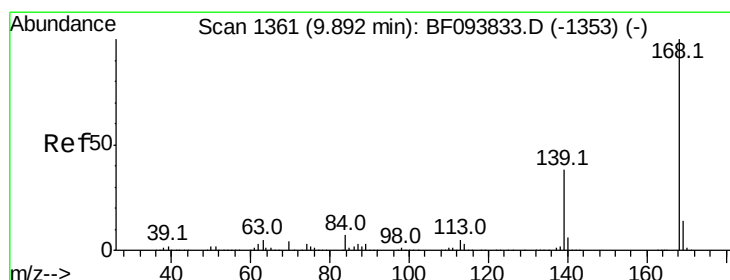
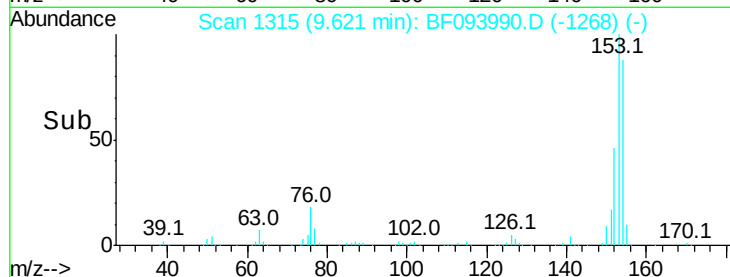
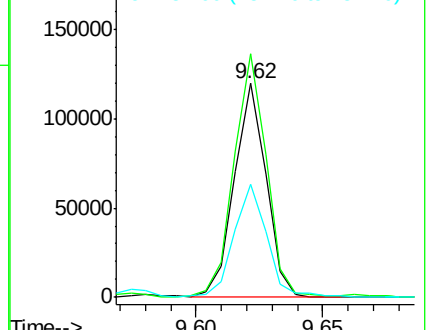
152 52.9 43.6 65.4



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: 4.71 ng

RT: 9.83 min Scan# 1351

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

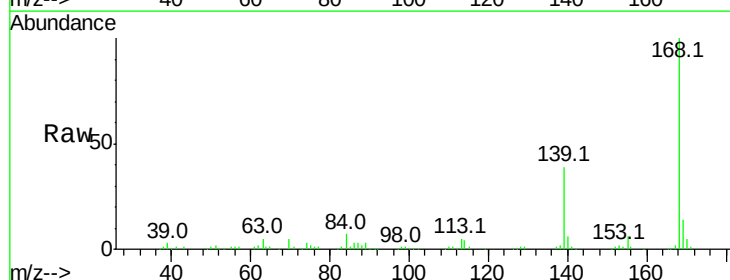
Tgt Ion:168 Resp: 119470

Ion Ratio Lower Upper

168 100

139 38.9 30.6 45.8

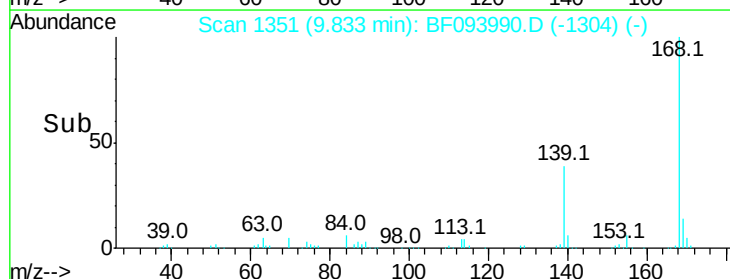
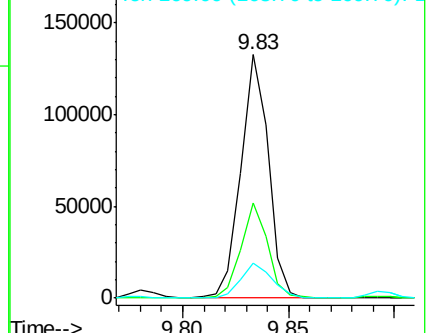
169 14.3 10.8 16.2

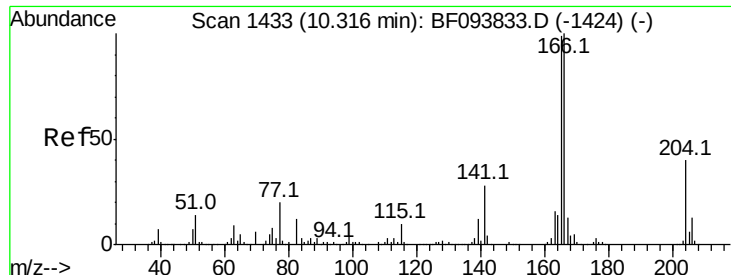


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

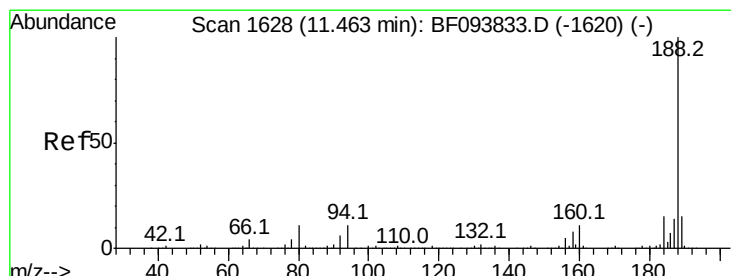
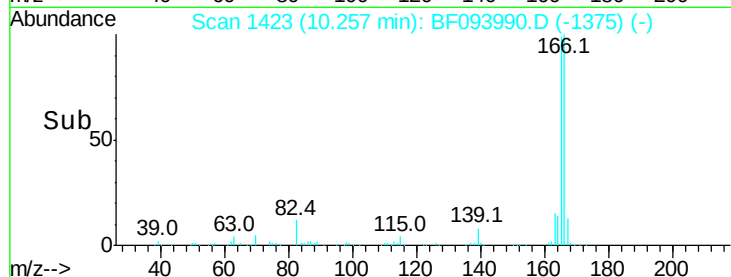
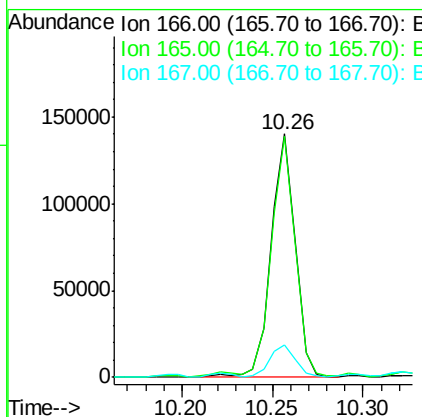
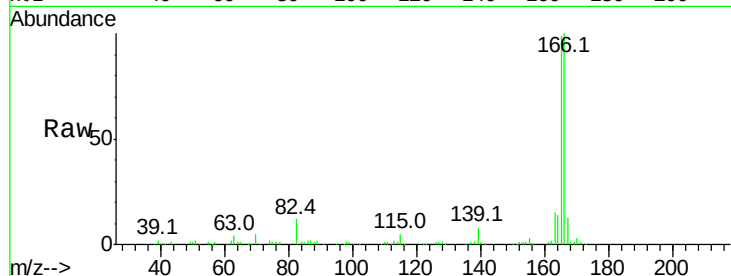




#57
Fluorene
 Concen: 6.20 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

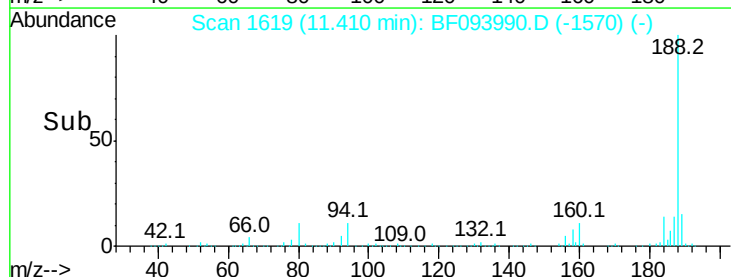
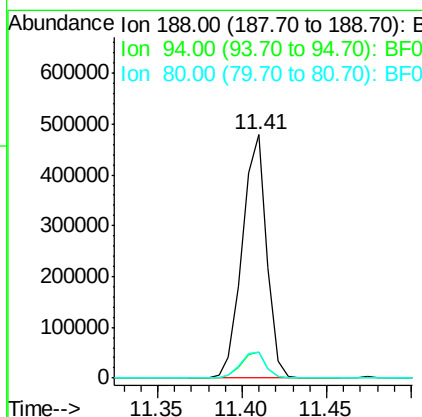
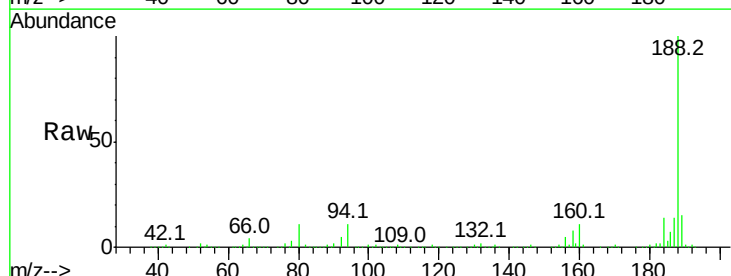
Instrument :
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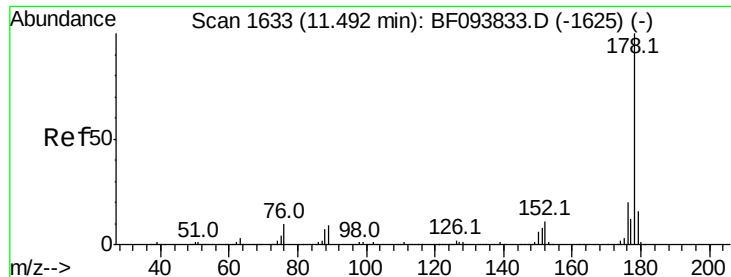
Tot Ion:166 Resp: 130358
 Ion Ratio Lower Upper
 166 100
 165 99.2 78.8 118.2
 167 13.1 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Tgt Ion:188 Resp: 482028
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 10.9 10.2 15.2





#70

Phenanthrene

Concen: 15.32 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

Instrument :

BNA_F

ClientSampleId :

TS-02DL

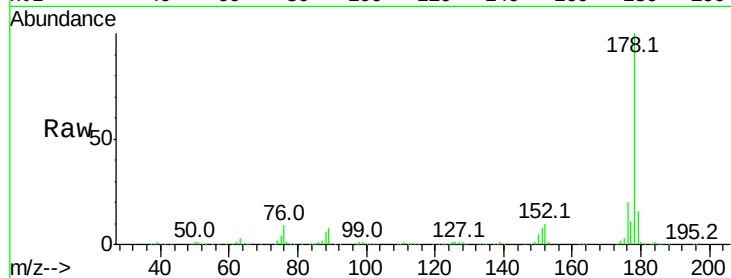
Tot Ion:178 Resp: 410814

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

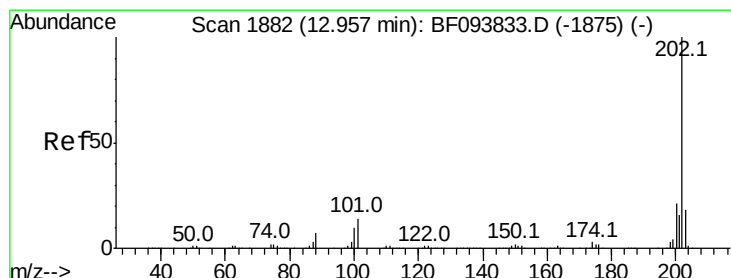
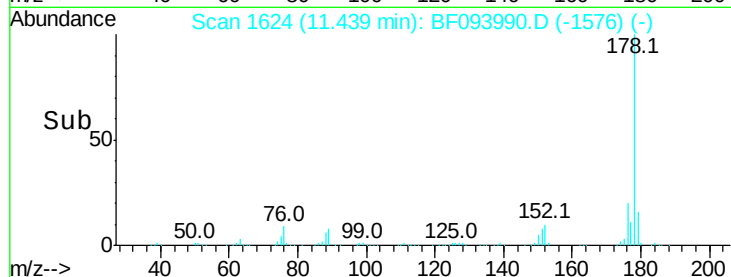
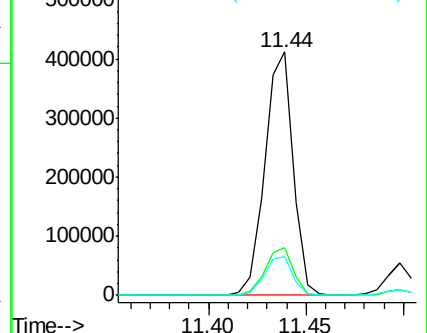
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.56 ng

RT: 12.90 min Scan# 1872

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

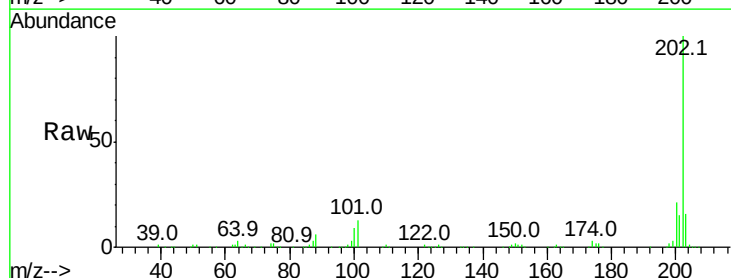
Tgt Ion:202 Resp: 152529

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

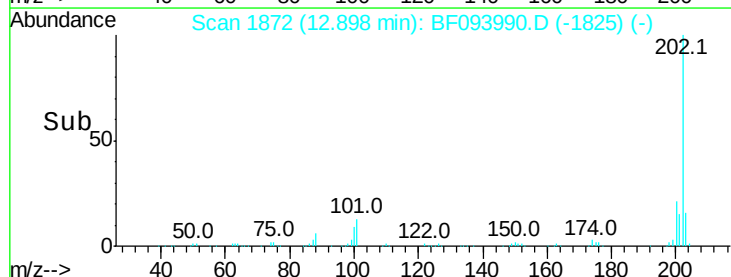
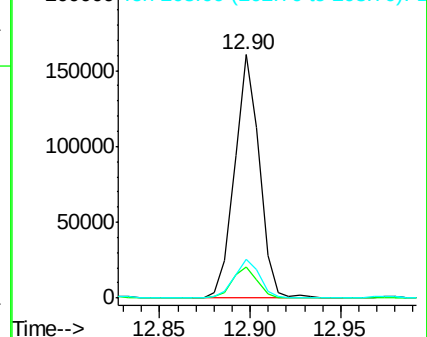
203 16.1 0.0 38.1

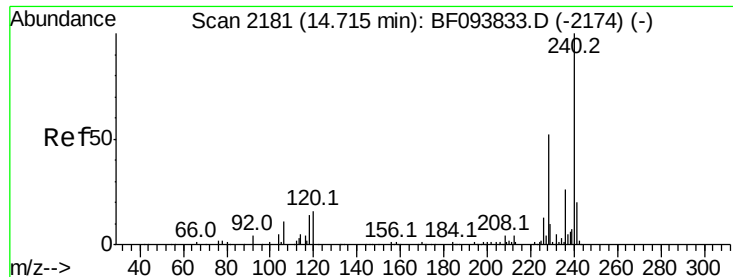


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

Instrument :

BNA_F

ClientSampleId :

TS-02DL

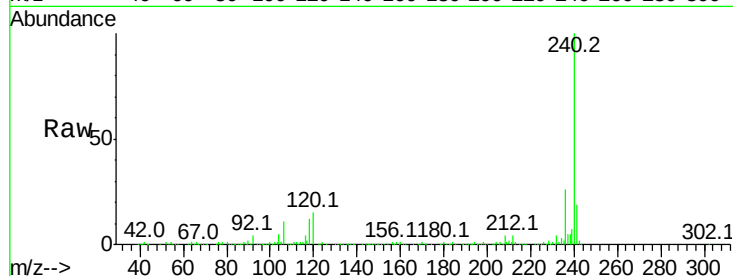
Tot Ion:240 Resp: 325040

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

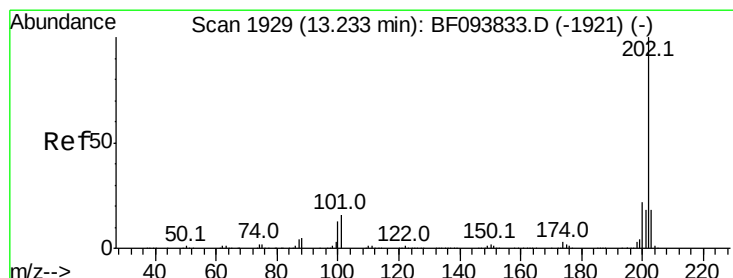
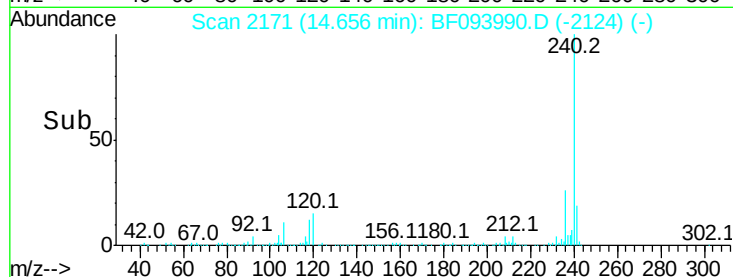
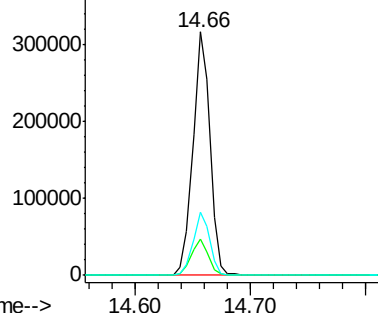
236 25.9 20.5 30.7



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: 4.49 ng

RT: 13.17 min Scan# 1919

Delta R.T. -0.02 min

Lab File: BF093990.D

Acq: 28 Mar 2017 13:27

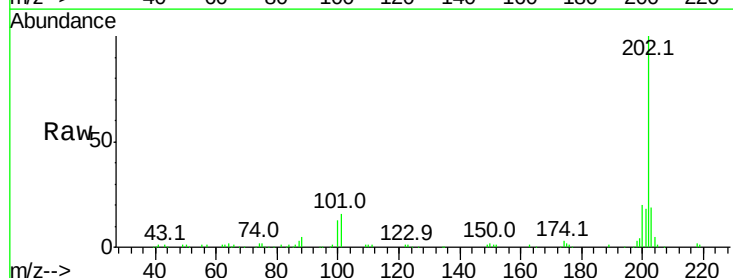
Tgt Ion:202 Resp: 105858

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

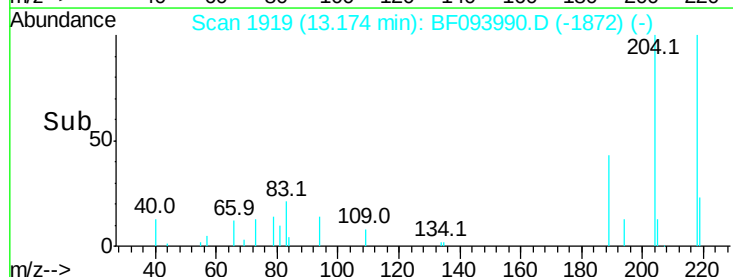
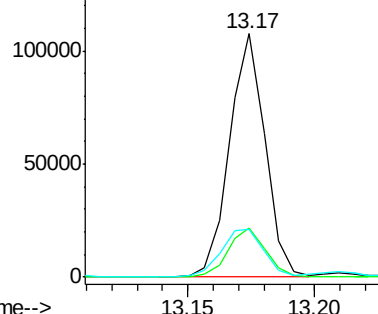
203 19.4 14.4 21.6

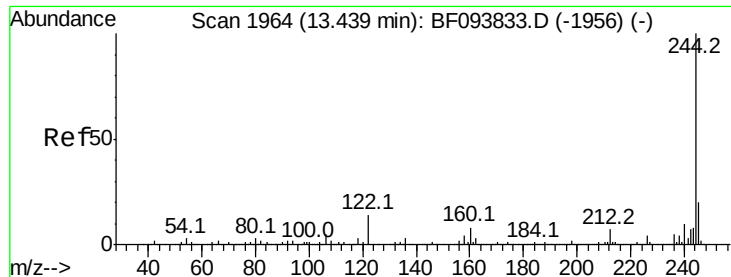


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

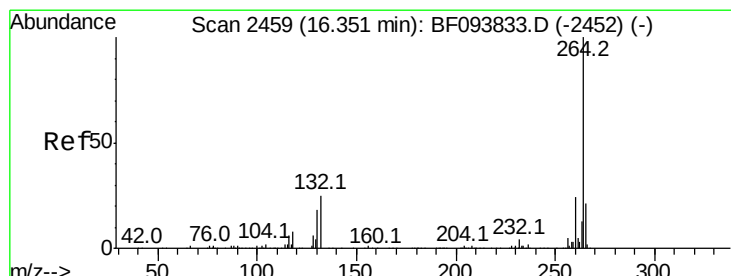
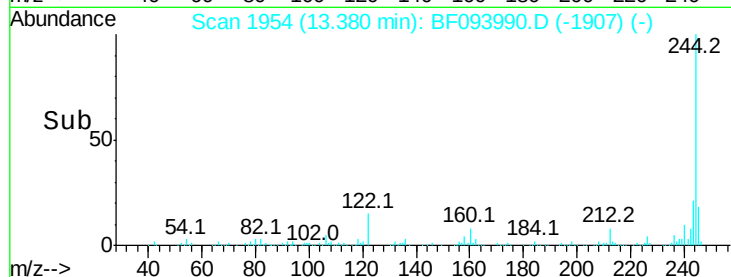
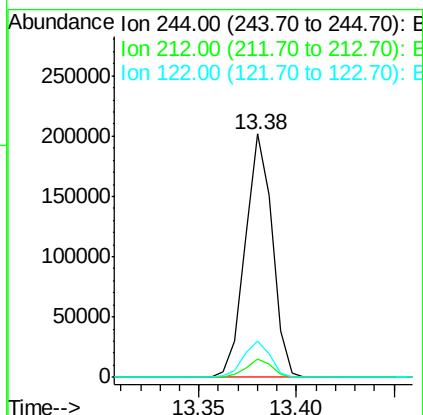
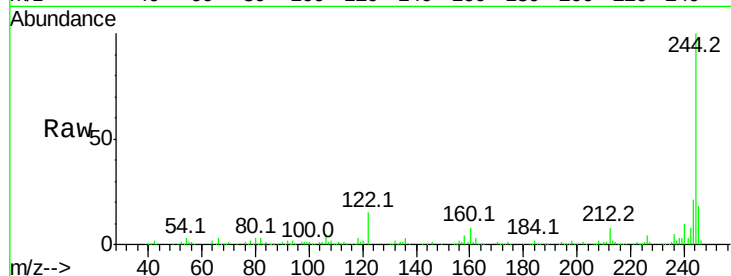




#78
 Terphenyl-d14
 Concen: 13.36 ng
 RT: 13.38 min Scan# 1954
 Delta R.T. -0.02 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TS-02DL

Tot Ion:244 Resp: 193782
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 15.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BF093990.D
 Acq: 28 Mar 2017 13:27

Tgt Ion:264 Resp: 291889
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 21.3 17.2 25.8

