

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\
 Data File : BF093509.D
 Acq On : 10 Mar 2017 7:43
 Operator : SJ/MA
 Sample : I2132-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-21

Quant Time: Mar 10 08:07:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

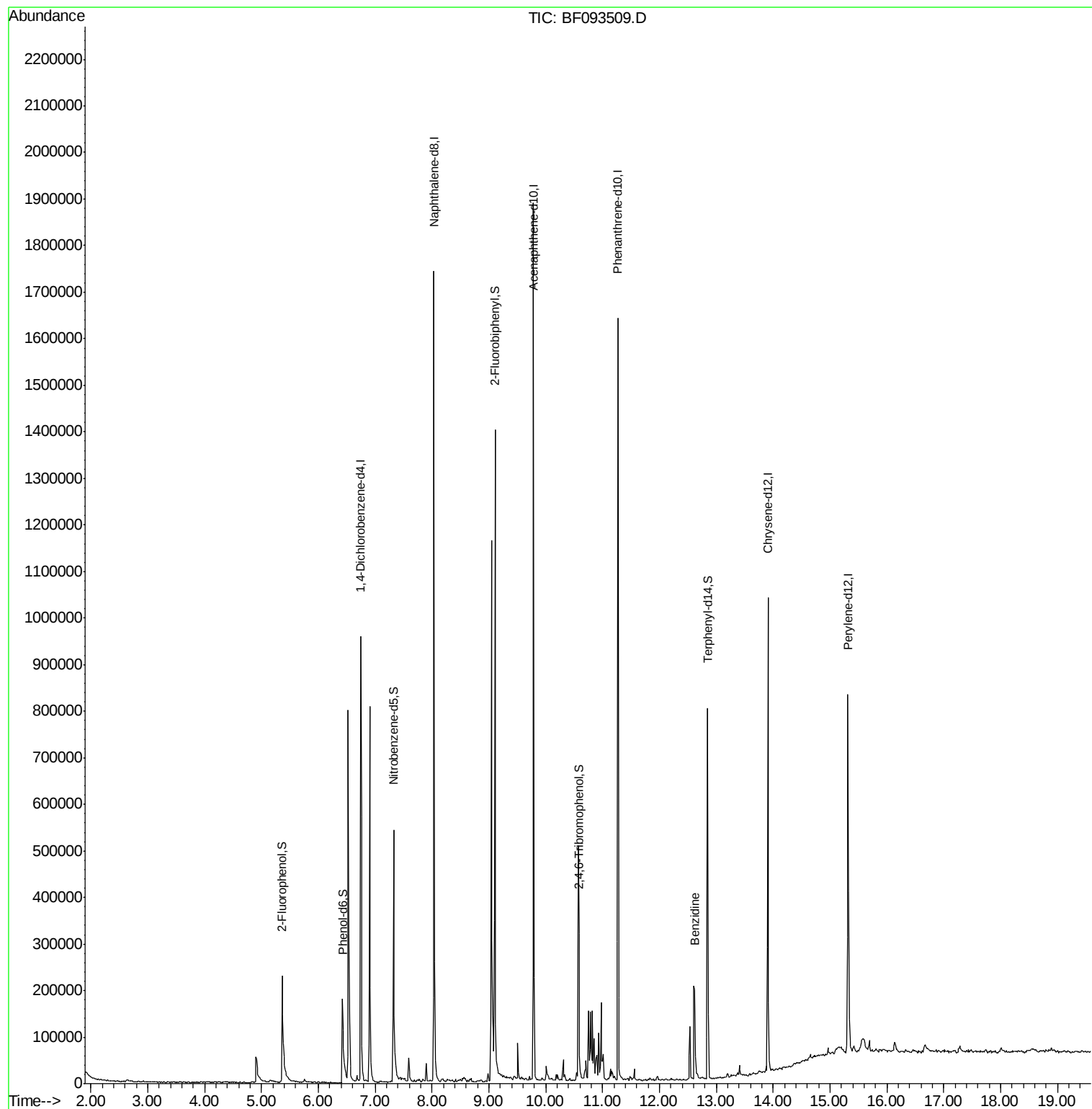
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	181502m	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	733946	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	339766	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	581108	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	358324	20.00	ng	-0.01
86) Perylene-d12	15.32	264	343605	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	132257	12.13	ng	0.01
7) Phenol-d6	6.42	99	121189	8.81	ng	0.01
23) Nitrobenzene-d5	7.33	82	232595	17.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	56086	25.34	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	424705	23.25	ng	-0.02
78) Terphenyl-d14	12.85	244	224520	16.29	ng	-0.02
Target Compounds						
76) Benzidine	12.62	184	128967	10.94	ng	Qvalue 97

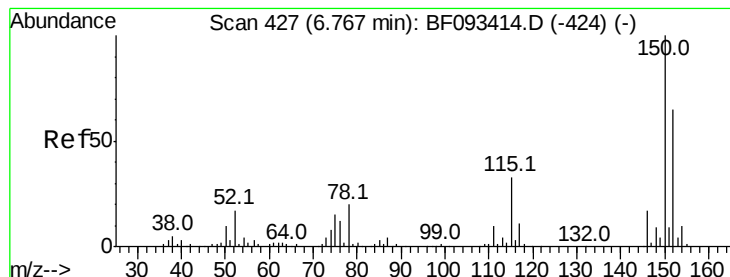
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampled :

W-21

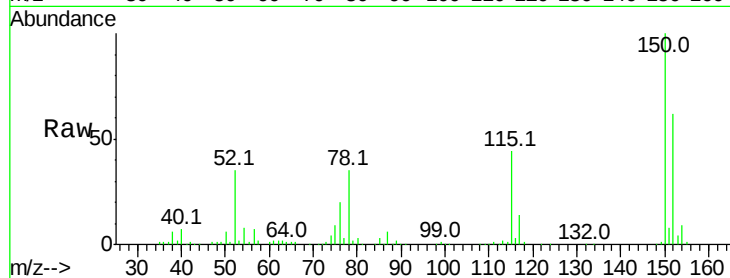
Tot Ion:152 Resp: 181502

Ion Ratio Lower Upper

152 100

150 160.4 124.9 187.3

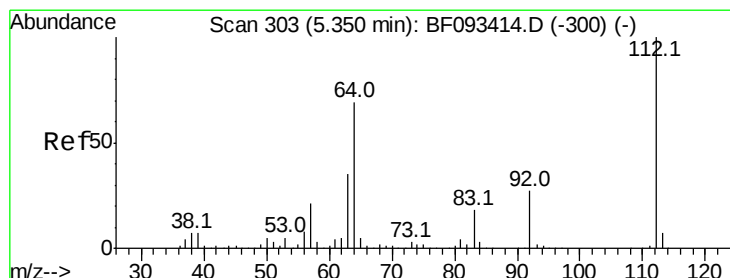
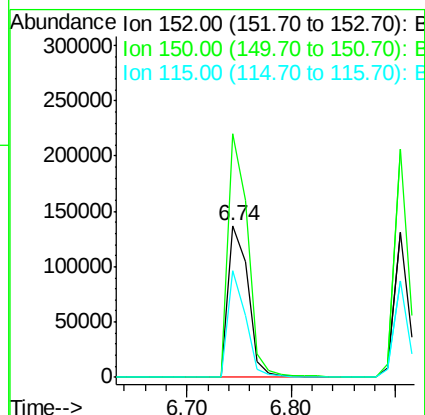
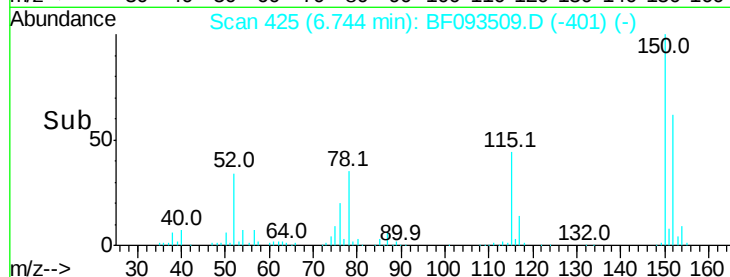
115 70.3 46.0 69.0#



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: 12.13 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

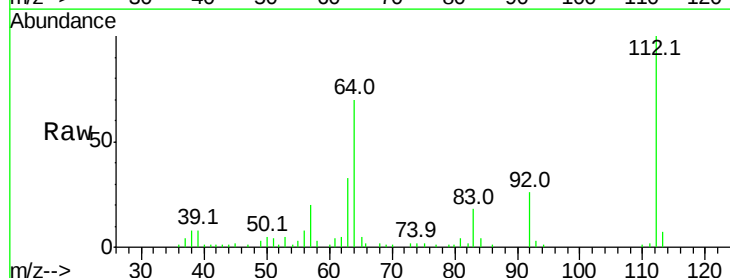
Tgt Ion:112 Resp: 132257

Ion Ratio Lower Upper

112 100

64 70.2 46.1 69.1#

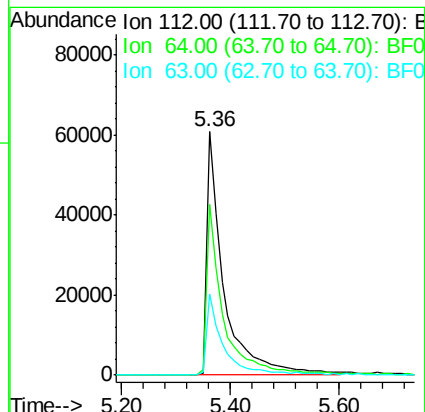
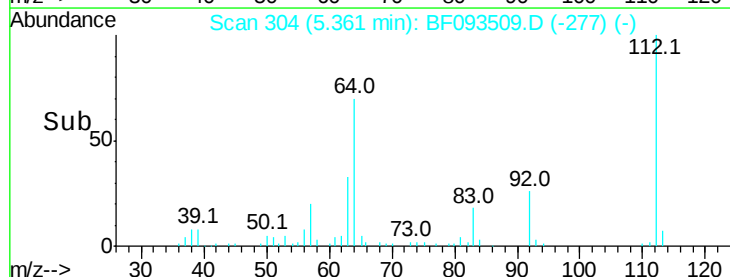
63 33.3 23.8 35.6

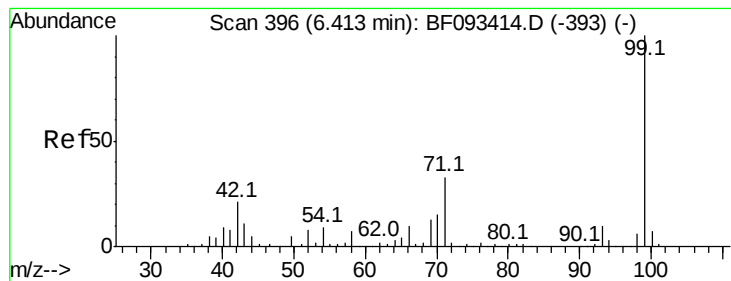


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.81 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampleId :

W-21

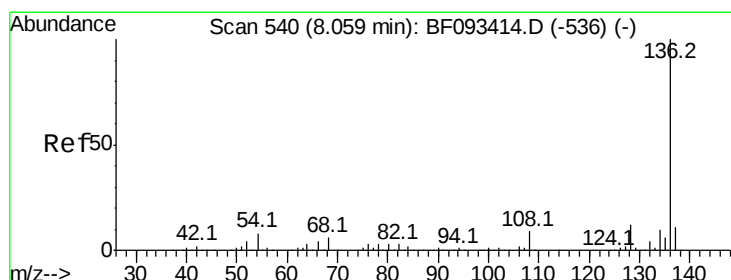
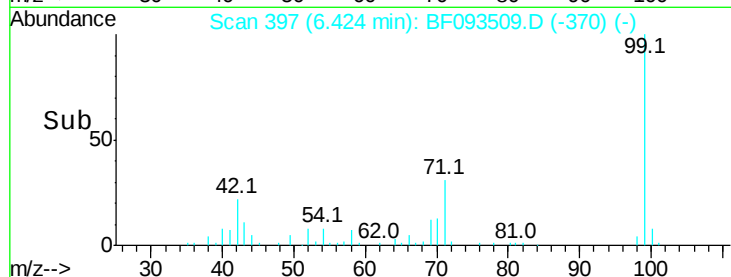
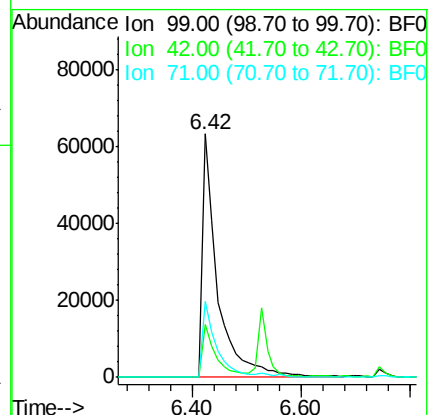
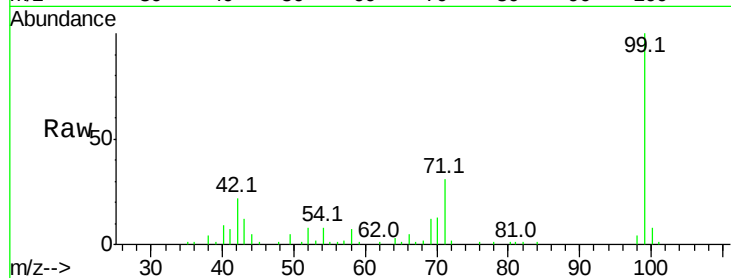
Tot Ion: 99 Resp: 121189

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

71 31.0 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 538

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Tgt Ion: 136 Resp: 733946

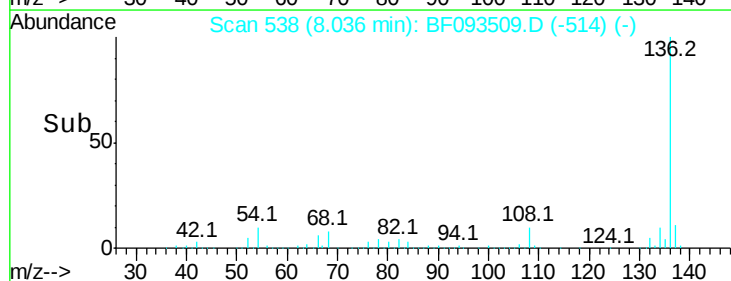
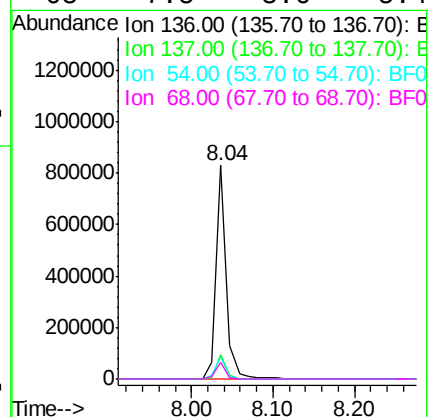
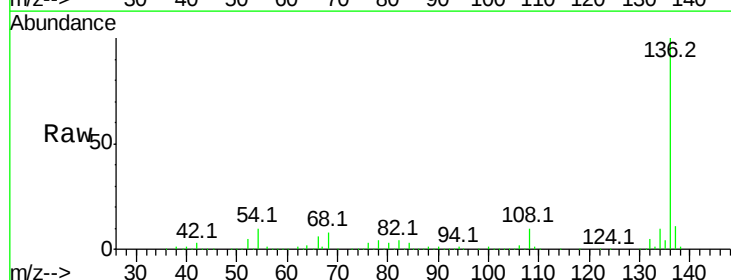
Ion Ratio Lower Upper

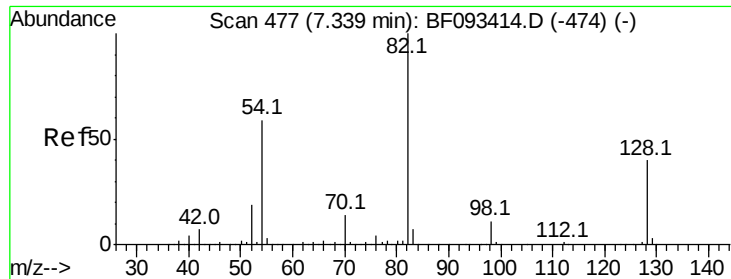
136 100

137 11.3 8.4 12.6

54 10.4 4.5 6.7#

68 7.5 3.6 5.4#

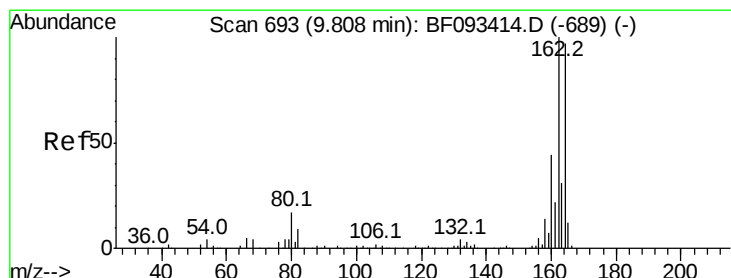
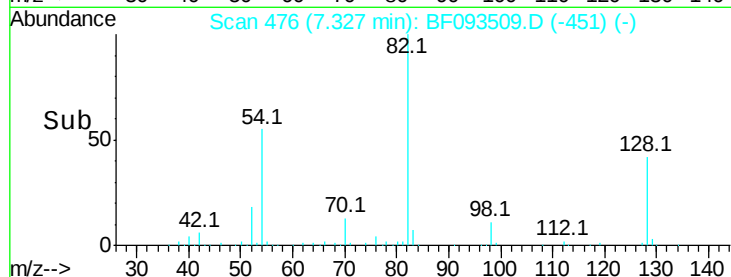
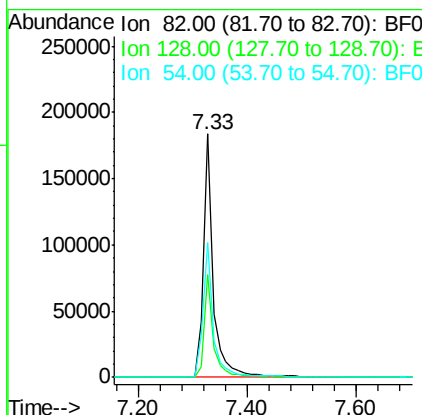
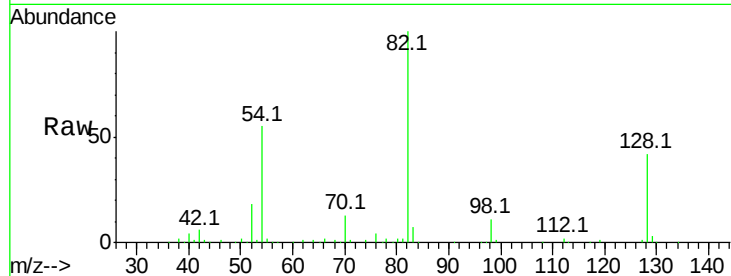




#23
 Nitrobenzene-d5
 Concen: 17.58 ng
 RT: 7.33 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF093509.D
 Acq: 10 Mar 2017 7:43

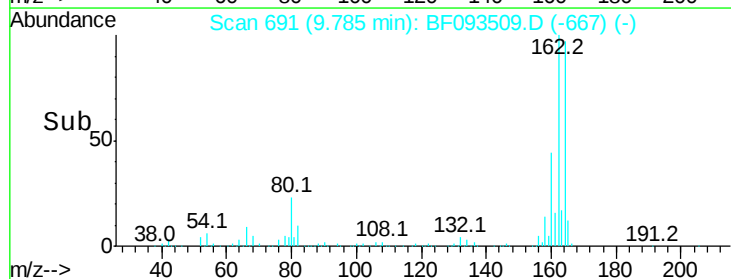
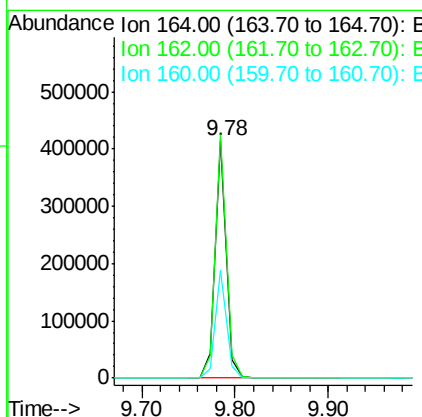
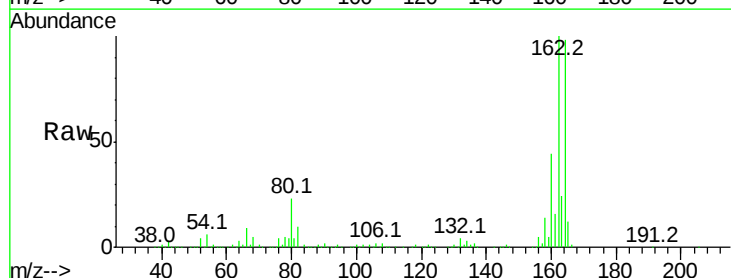
Instrument :
 BNA_F
 ClientSampled :
 W-21

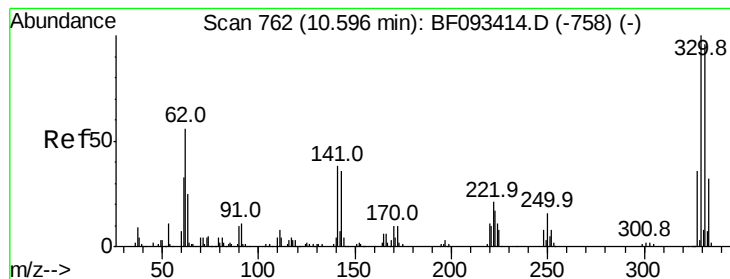
Tot Ion	82	Resp	232595
Ion Ratio	Lower	Upper	
82	100		
128	42.4	34.6	52.0
54	55.4	39.5	59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF093509.D
 Acq: 10 Mar 2017 7:43

Tgt Ion	164	Resp	339766
Ion Ratio	Lower	Upper	
164	100		
162	102.5	80.2	120.2
160	45.2	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 25.34 ng

RT: 10.58 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampleId :

W-21

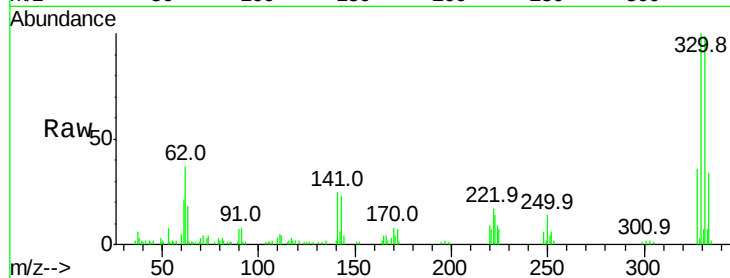
Tot Ion:330 Resp: 56086

Ion Ratio Lower Upper

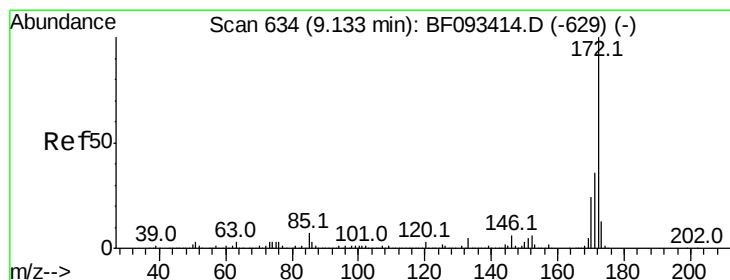
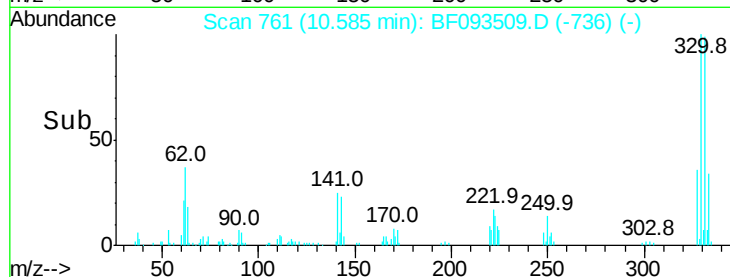
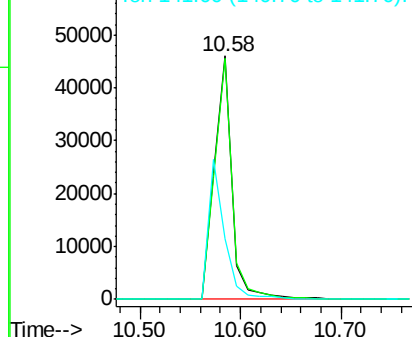
330 100

332 98.4 77.4 116.2

141 52.1 34.1 51.1#



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: 23.25 ng

RT: 9.11 min Scan# 632

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

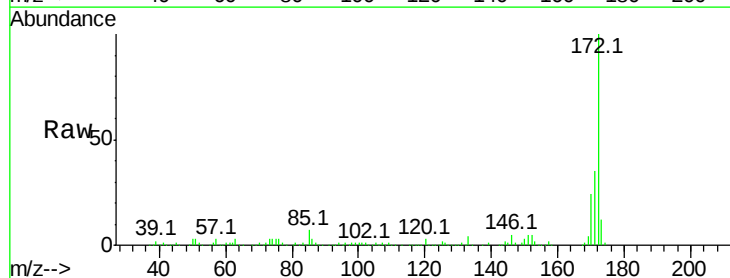
Tgt Ion:172 Resp: 424705

Ion Ratio Lower Upper

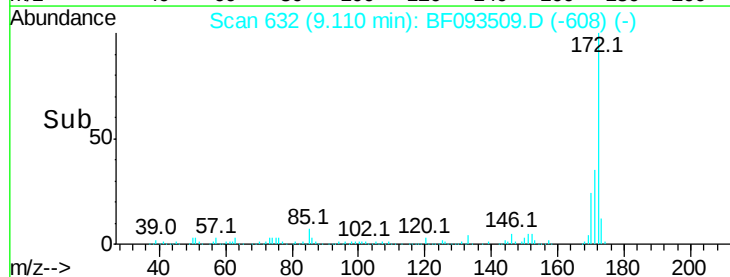
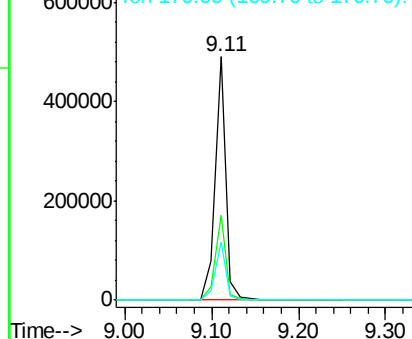
172 100

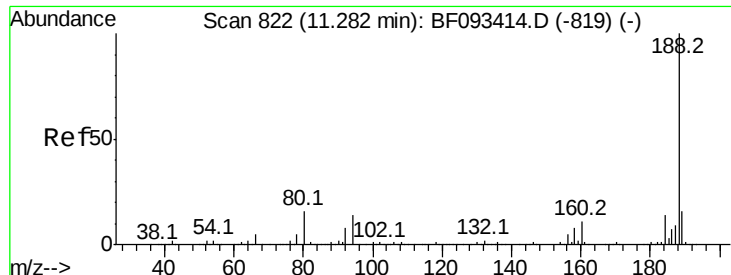
171 34.9 29.4 44.0

170 24.1 20.2 30.4



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

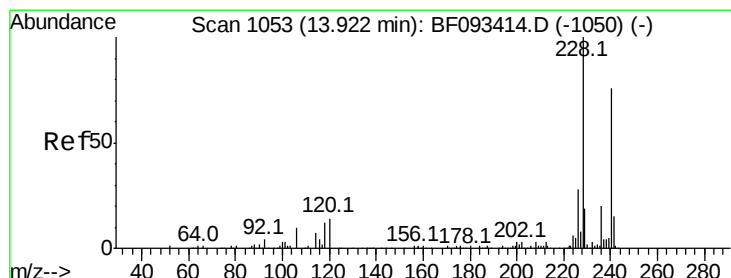
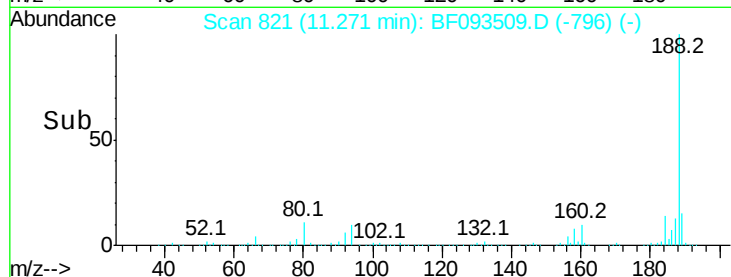
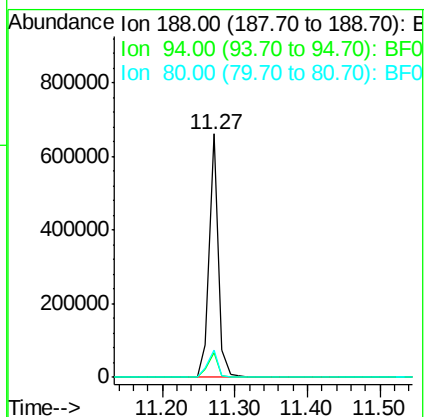
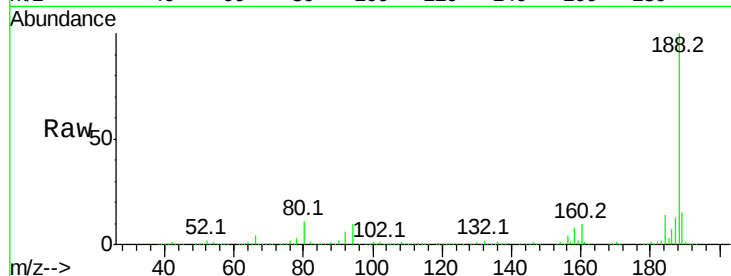




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

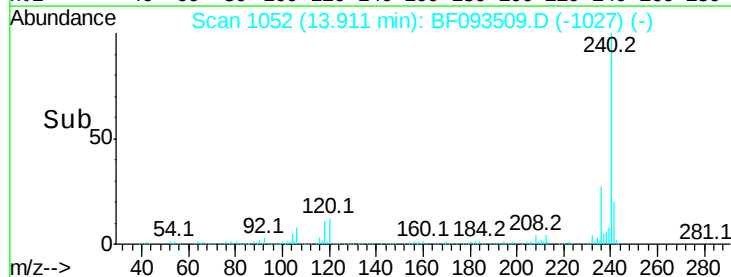
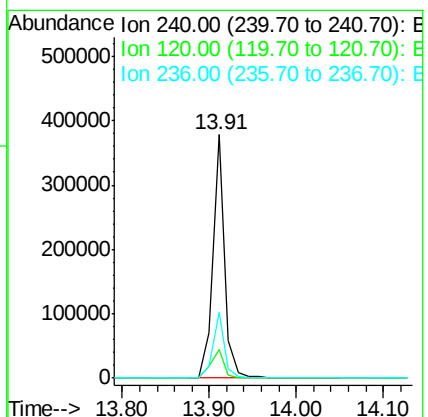
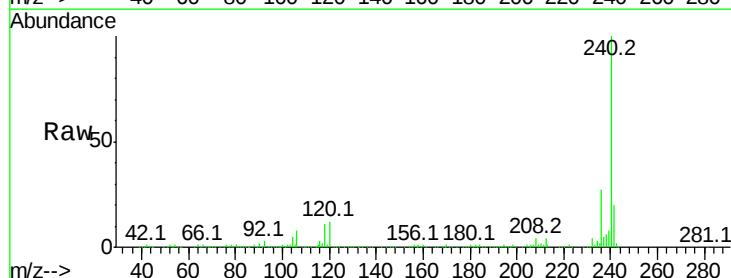
Instrument :
BNA_F
ClientSampleId :
W-21

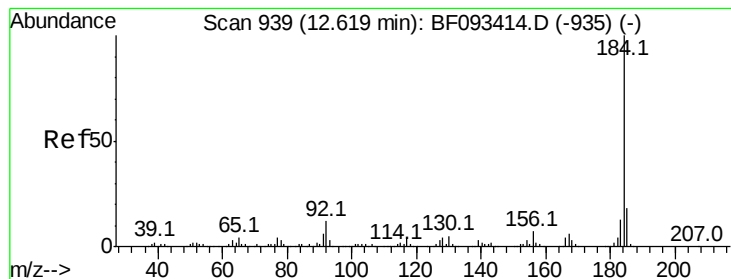
Tot Ion:188 Resp: 581108
Ion Ratio Lower Upper
188 100
94 10.3 10.0 15.0
80 11.2 11.2 16.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Tgt Ion:240 Resp: 358324
Ion Ratio Lower Upper
240 100
120 11.9 12.9 19.3#
236 26.9 20.9 31.3





#76

Benzidine

Concen: 10.94 ng

RT: 12.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampled :

W-21

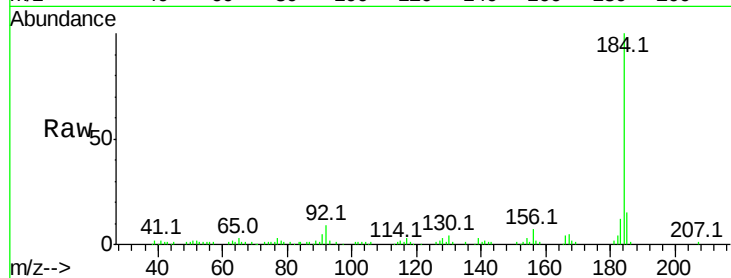
Tot Ion:184 Resp: 128967

Ion Ratio Lower Upper

184 100

185 14.9 13.4 20.0

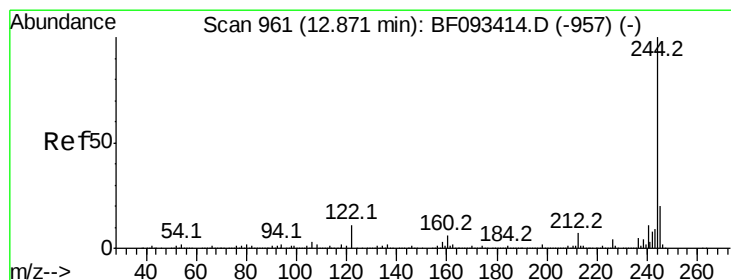
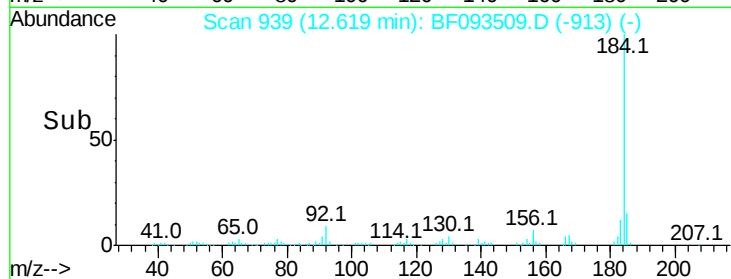
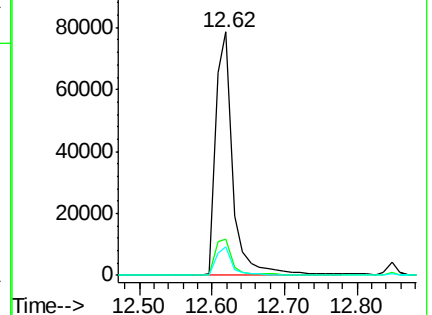
183 11.7 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 16.29 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

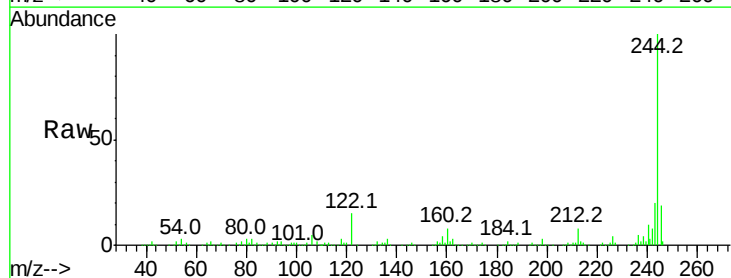
Tgt Ion:244 Resp: 224520

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

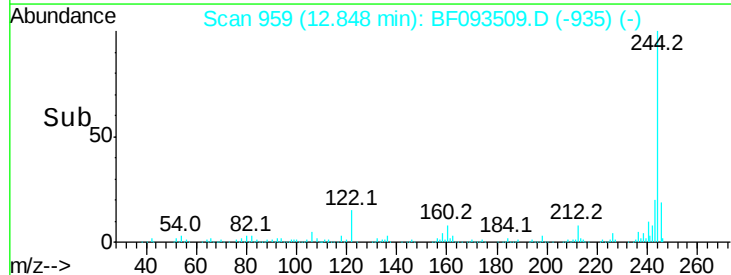
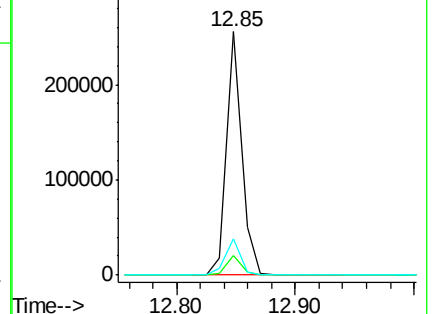
122 14.7 11.4 17.2

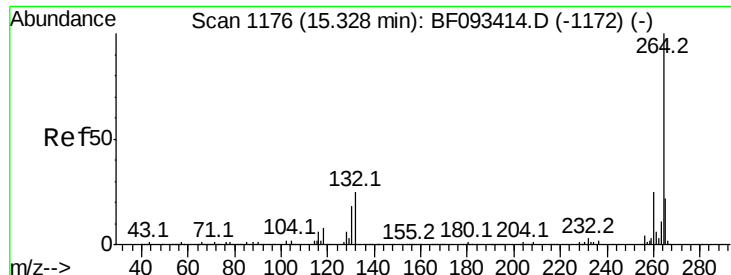


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

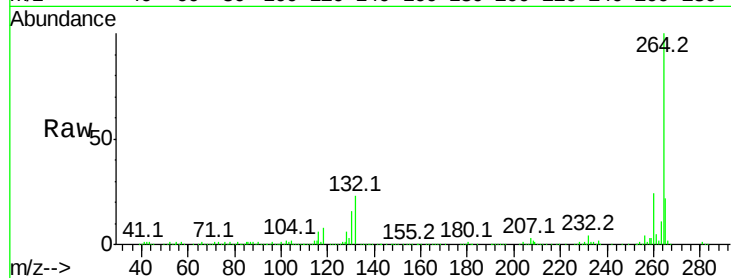




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Instrument :
BNA_F
ClientSampleId :
W-21

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.4	26.0



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

