

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094315.D
 Acq On : 10 Apr 2017 17:05
 Operator : SJ/MA
 Sample : PB98146BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:48:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

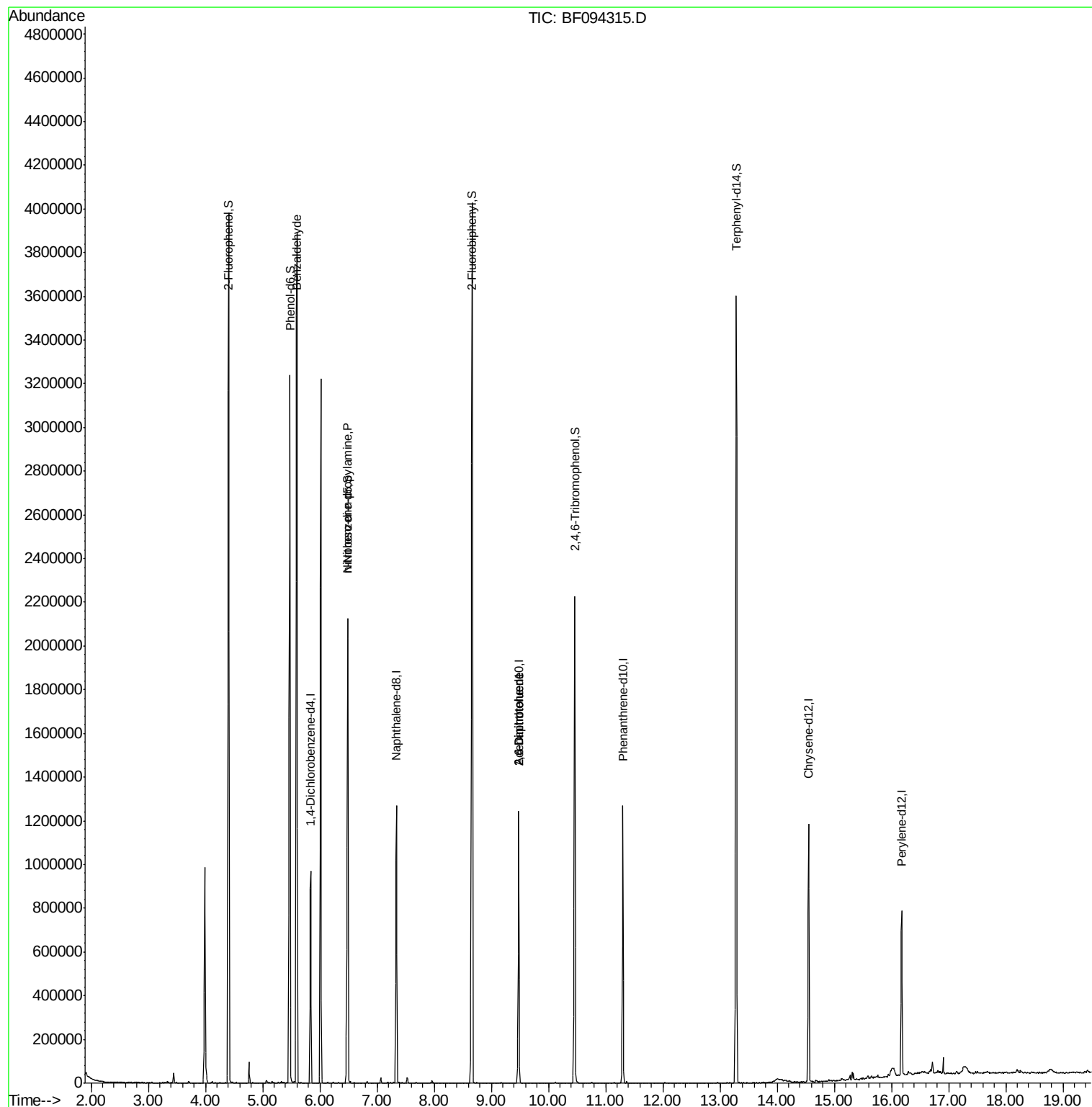
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	161103	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	655370	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	298251	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	546362	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	444939	20.00	ng	-0.02
86) Perylene-d12	16.18	264	295983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1229173	128.87	ng	0.02
7) Phenol-d6	5.48	99	1572757	133.29	ng	0.02
23) Nitrobenzene-d5	6.49	82	985728	85.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	335395	142.31	ng	-0.01
44) 2-Fluorobiphenyl	8.66	172	1767649	90.40	ng	-0.02
78) Terphenyl-d14	13.29	244	1540381	77.60	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.60	77	26395	3.31	ng	Qvalue 81
19) n-Nitroso-di-n-propylamine	6.49	70	130496	17.21	ng	# 77
50) 2,6-Dinitrotoluene	9.47	165	38235	7.87	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	38235	6.26	ng	# 33

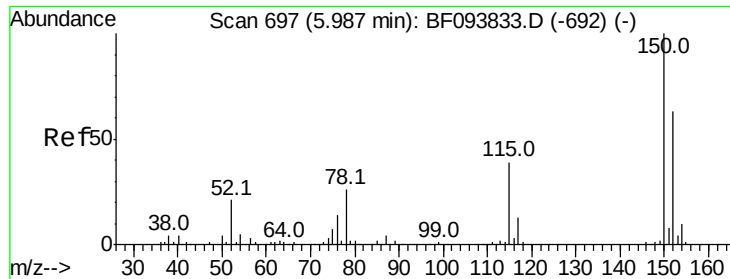
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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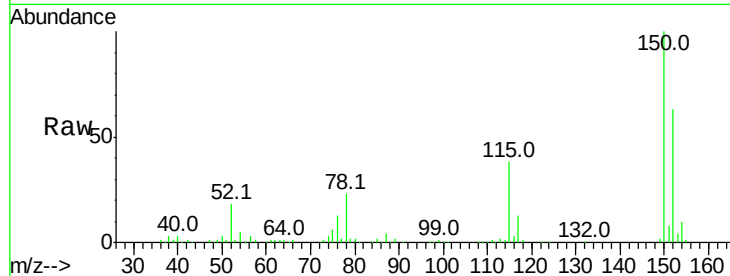


#1

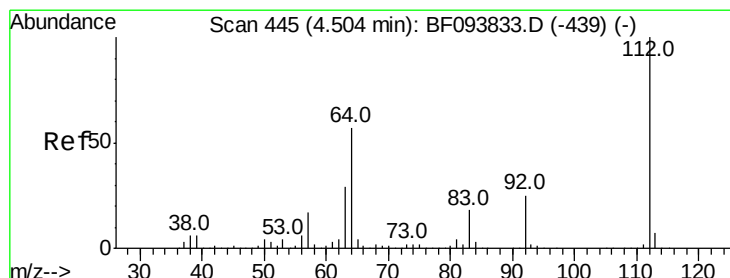
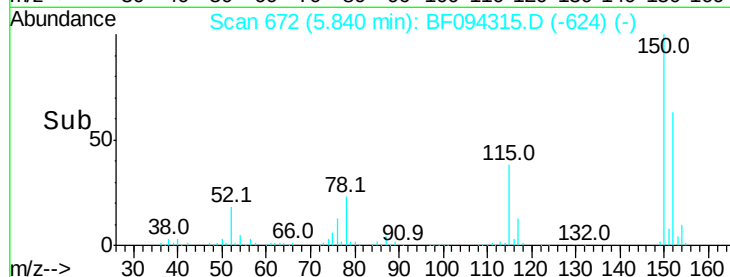
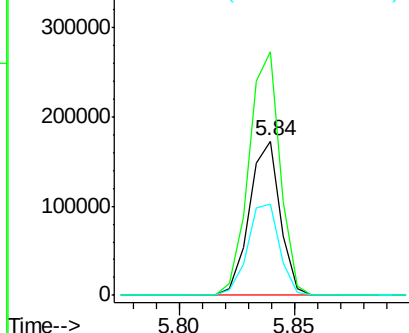
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094315.D
Acq: 10 Apr 2017 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161103
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 59.4 52.2 78.2



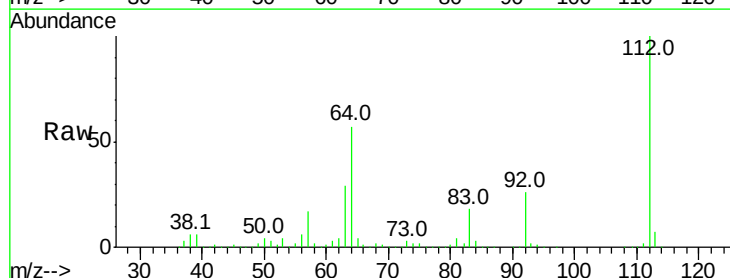
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



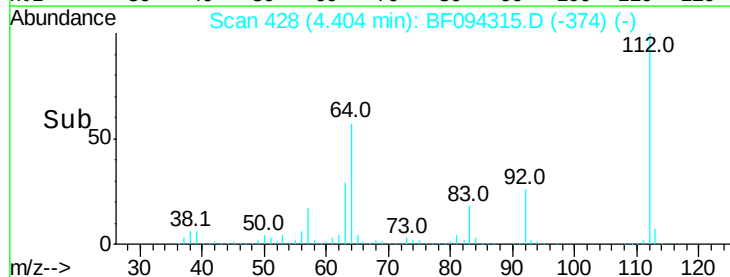
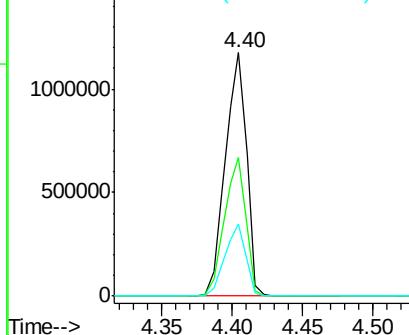
#5

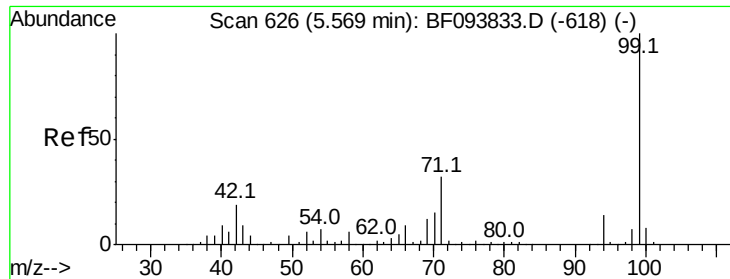
2-Fluorophenol
Concen: 128.87 ng
RT: 4.40 min Scan# 428
Delta R.T. 0.02 min
Lab File: BF094315.D
Acq: 10 Apr 2017 17:05

Tgt Ion:112 Resp: 1229173
Ion Ratio Lower Upper
112 100
64 57.2 46.0 69.0
63 29.4 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: 133.29 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094315.D

Acq: 10 Apr 2017 17:05

Instrument :

BNA_F

ClientSampleId :

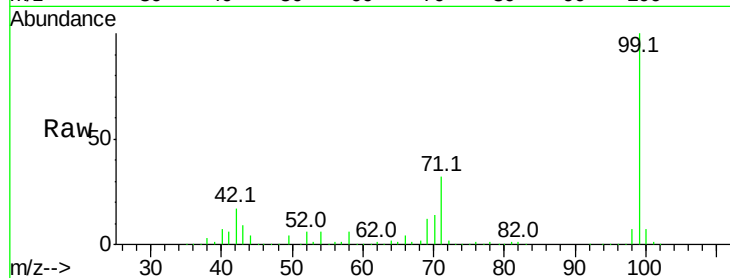
Tot Ion: 99 Resp: 1572757

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

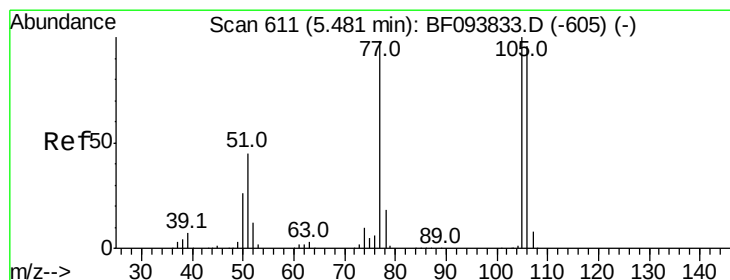
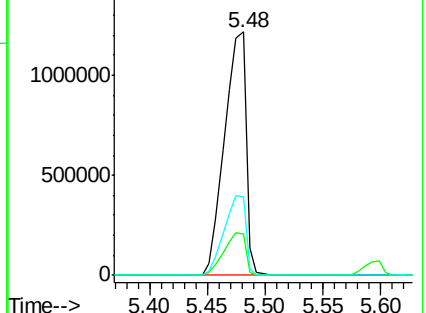
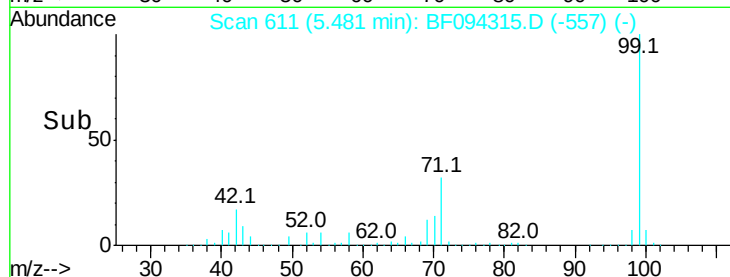
71 32.3 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.31 ng

RT: 5.60 min Scan# 631

Delta R.T. 0.25 min

Lab File: BF094315.D

Acq: 10 Apr 2017 17:05

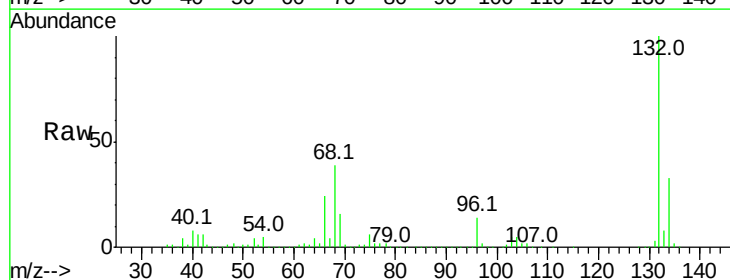
Tgt Ion: 77 Resp: 26395

Ion Ratio Lower Upper

77 100

105 85.9 83.8 123.8

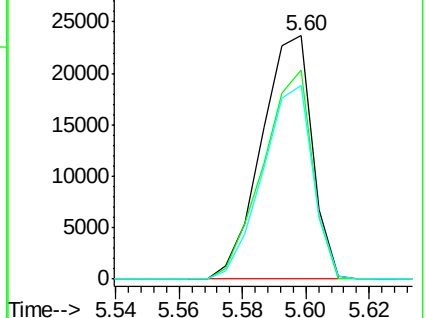
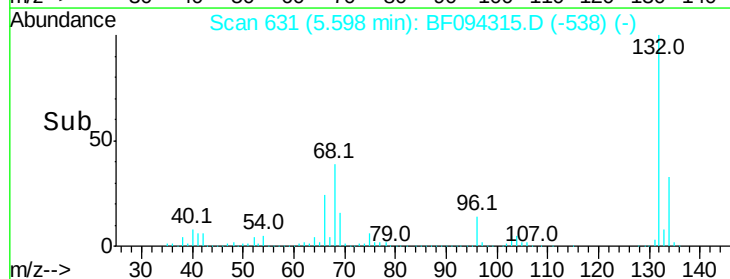
106 79.4 79.1 119.1

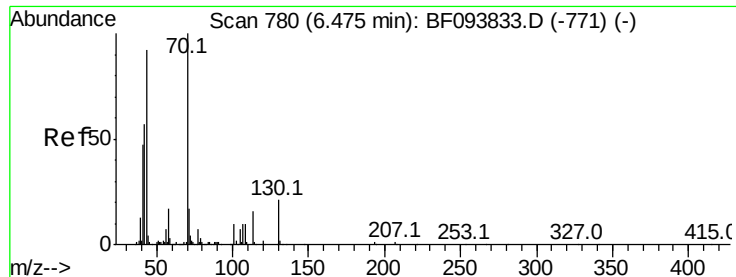


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 17.21 ng

RT: 6.49 min Scan# 782

Delta R.T. 0.14 min

Lab File: BF094315.D

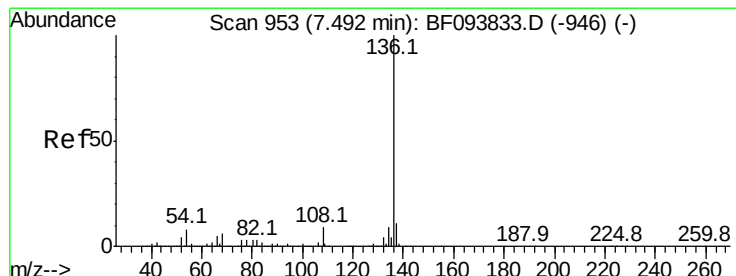
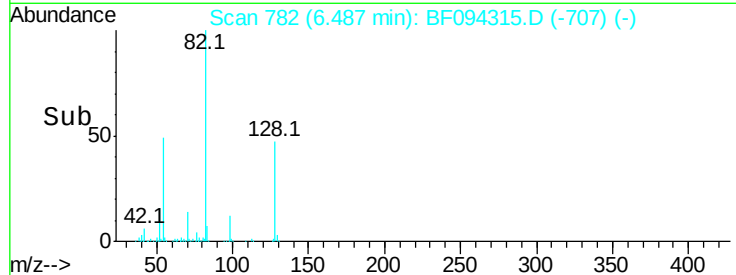
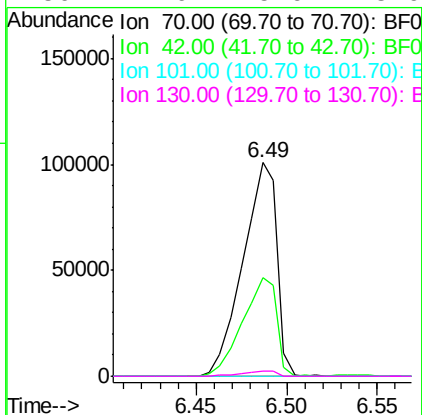
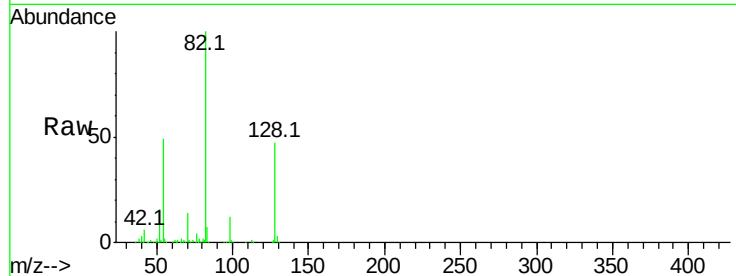
Acq: 10 Apr 2017 17:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	130496
Ion	Ratio	Lower	Upper
70	100		
42	46.1	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

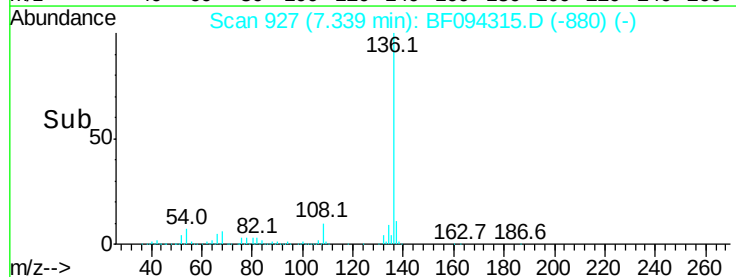
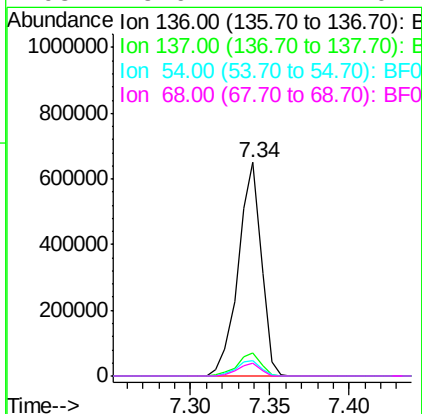
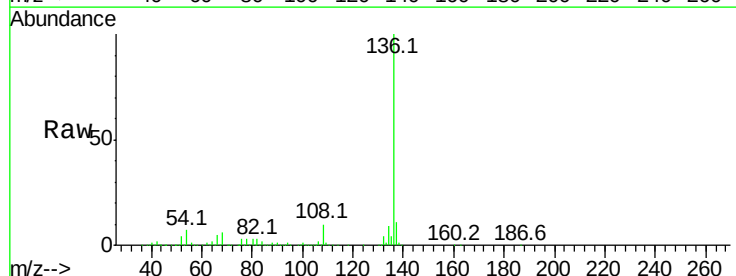
RT: 7.34 min Scan# 927

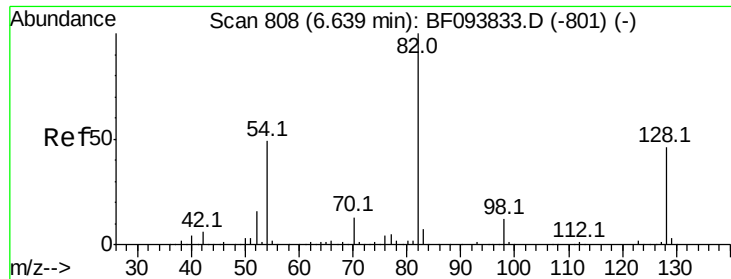
Delta R.T. -0.02 min

Lab File: BF094315.D

Acq: 10 Apr 2017 17:05

Tgt Ion:	136	Resp:	655370
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.1	4.9	7.3
68	5.9	4.1	6.1

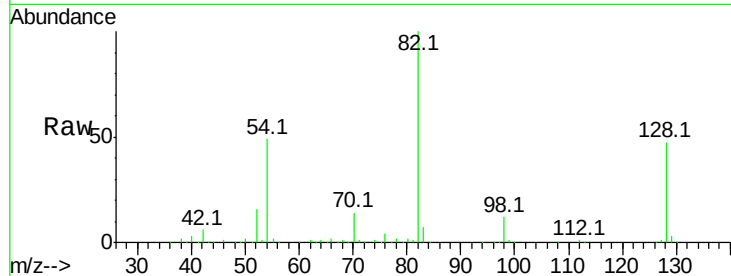




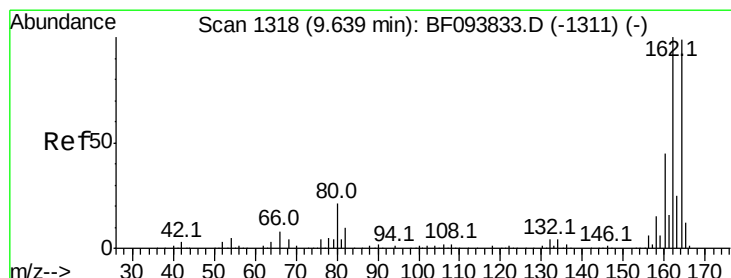
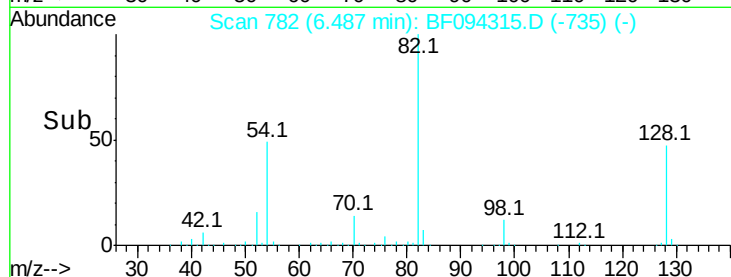
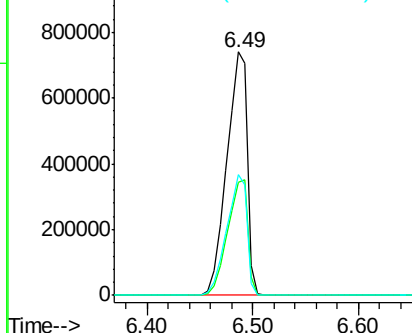
#23
 Nitrobenzene-d5
 Concen: 85.84 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	49.3	42.2	63.2

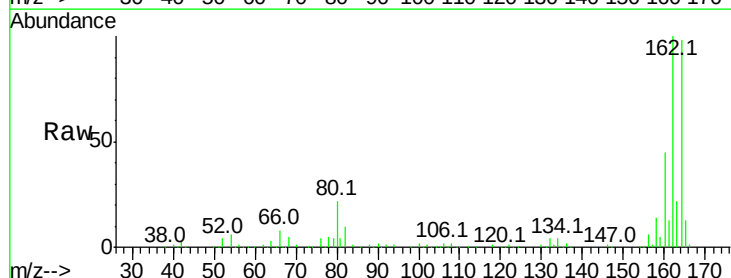


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

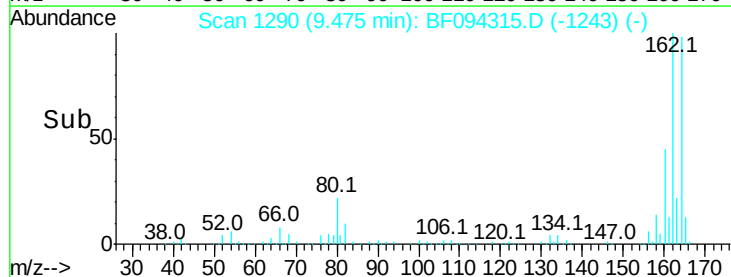
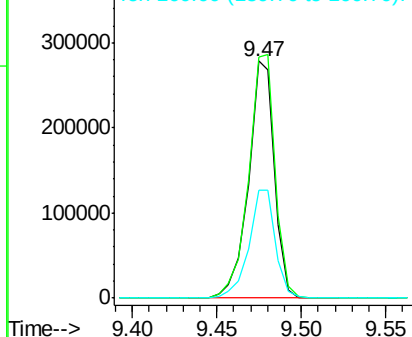


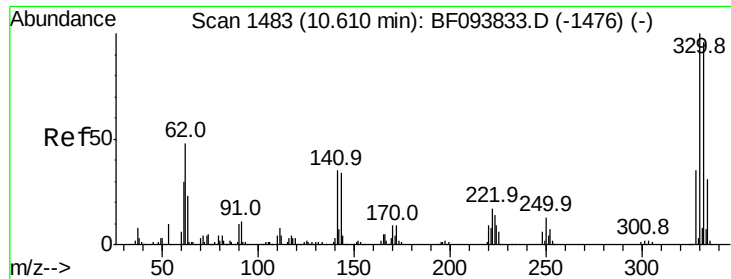
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	45.5	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: 142.31 ng

RT: 10.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF094315.D

Acq: 10 Apr 2017 17:05

Instrument :

BNA_F

ClientSampleId :

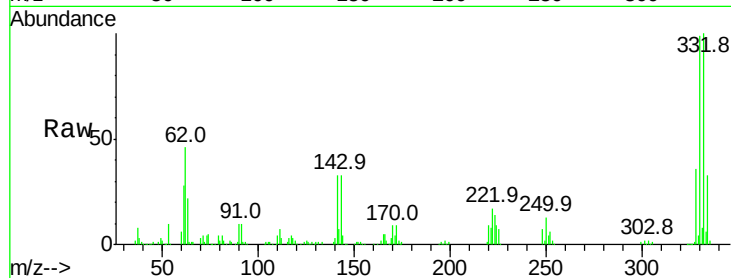
Tot Ion:330 Resp: 335395

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

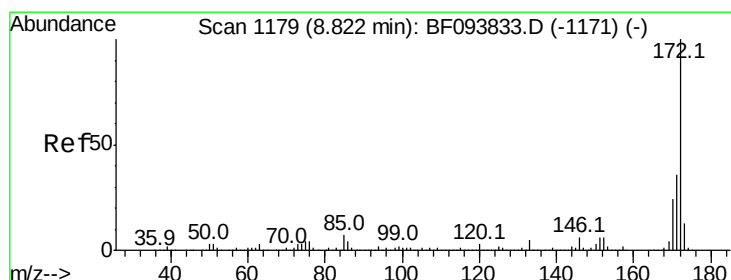
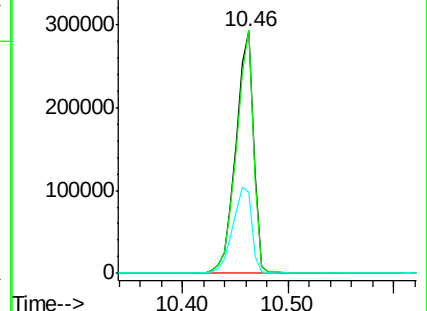
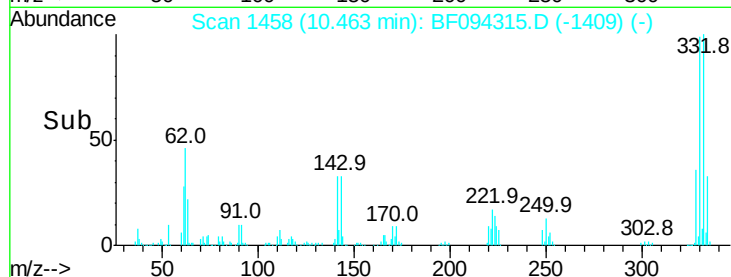
141 38.6 31.4 47.2



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: 90.40 ng

RT: 8.66 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF094315.D

Acq: 10 Apr 2017 17:05

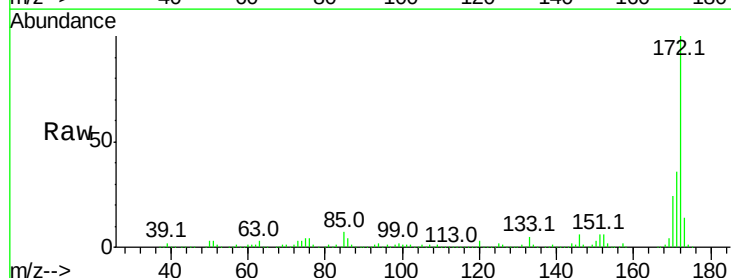
Tgt Ion:172 Resp: 1767649

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

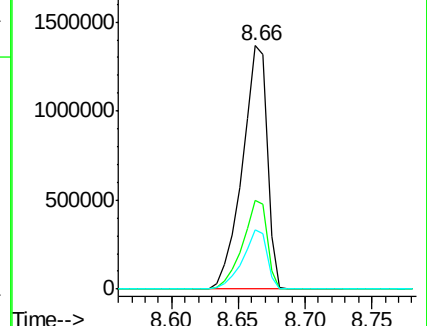
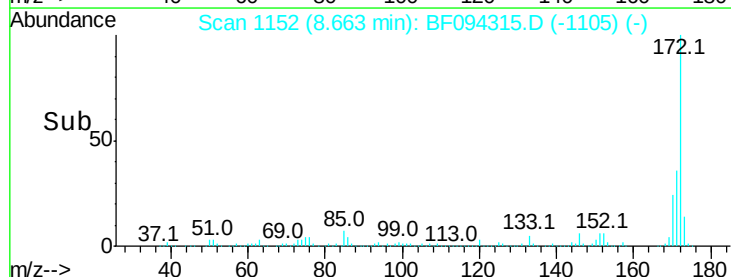
170 24.4 19.8 29.8

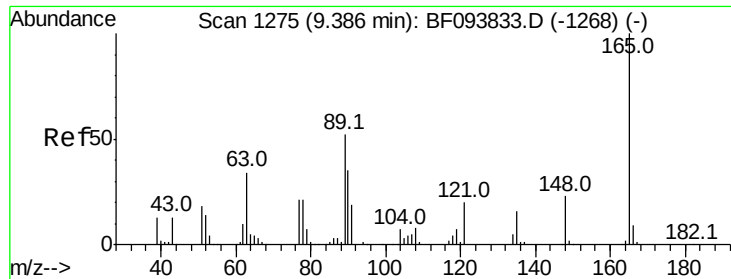


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

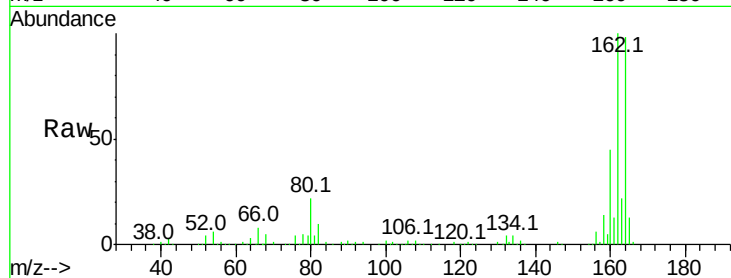




#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. 0.22 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

Instrument :
 BNA_F
 ClientSampleId :

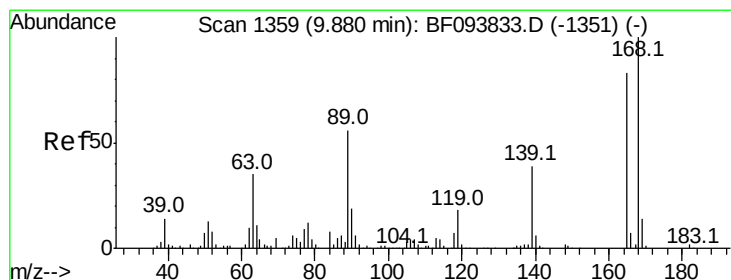
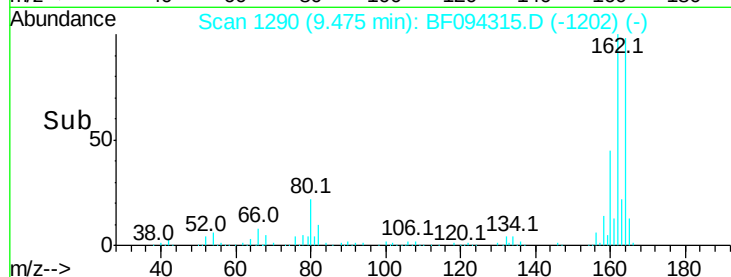
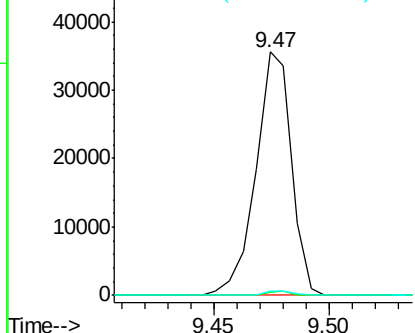
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.7	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.28 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

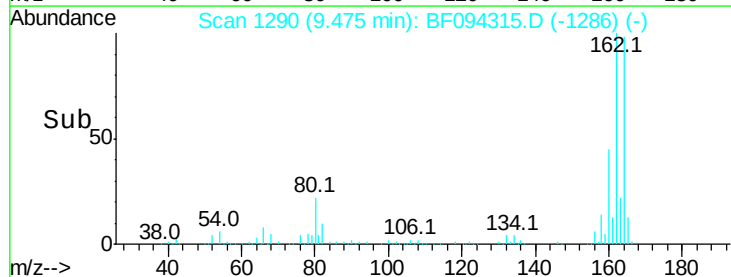
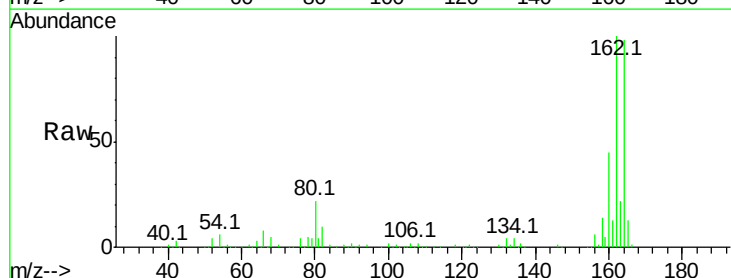
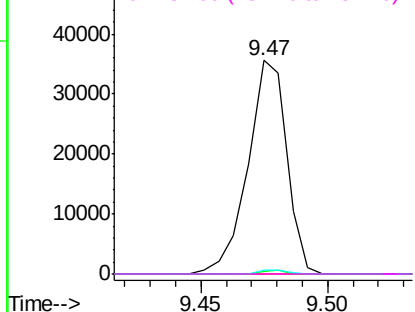
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

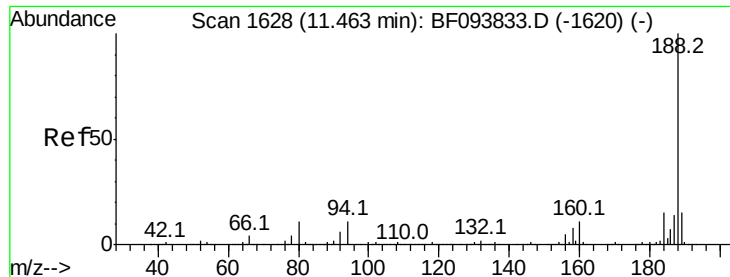
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

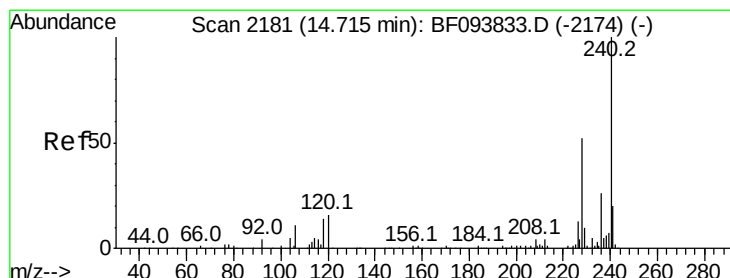
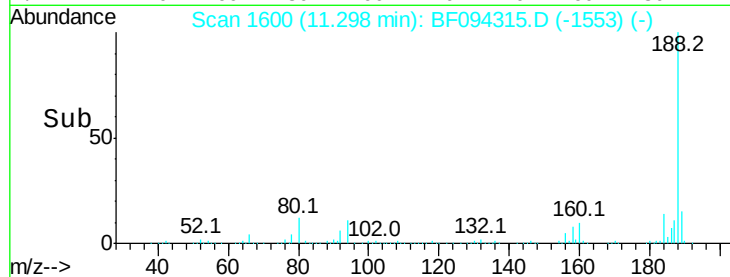
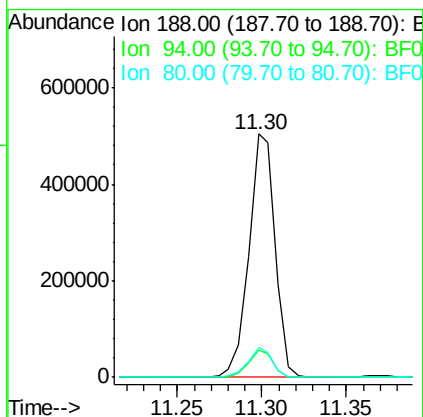
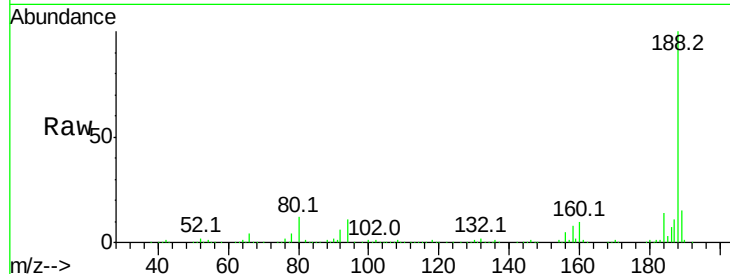




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF094315.D
Acq: 10 Apr 2017 17:05

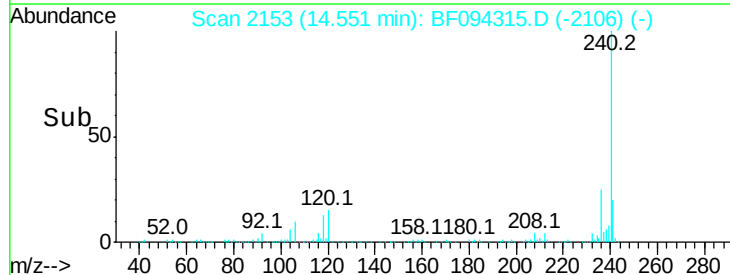
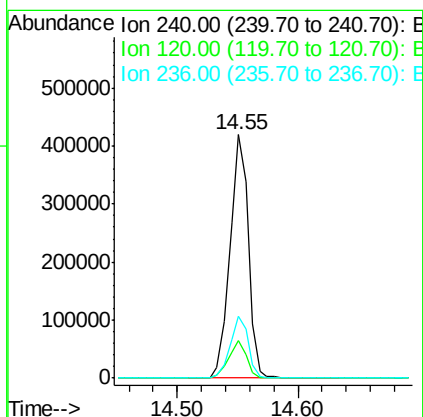
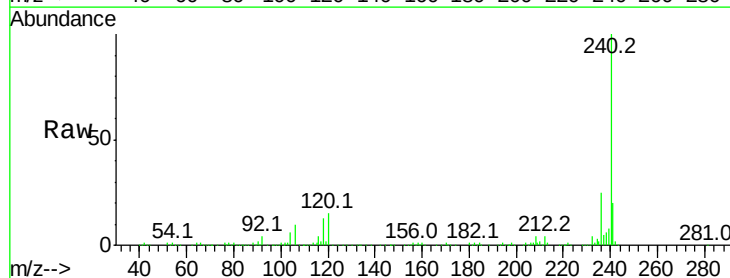
Instrument :
BNA_F
ClientSampleId :

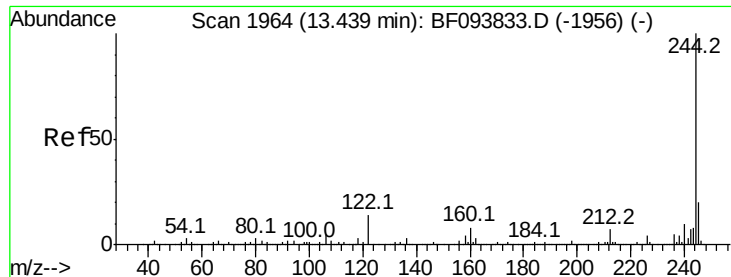
Tot Ion:188 Resp: 546362
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.4 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.02 min
Lab File: BF094315.D
Acq: 10 Apr 2017 17:05

Tgt Ion:240 Resp: 444939
Ion Ratio Lower Upper
240 100
120 15.4 5.8 8.8#
236 25.3 20.5 30.7

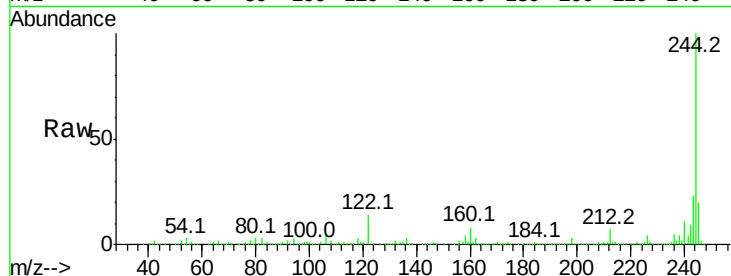




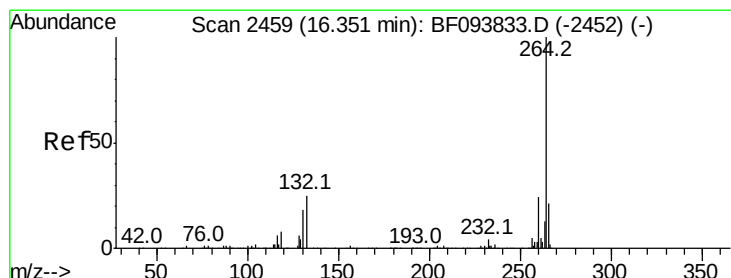
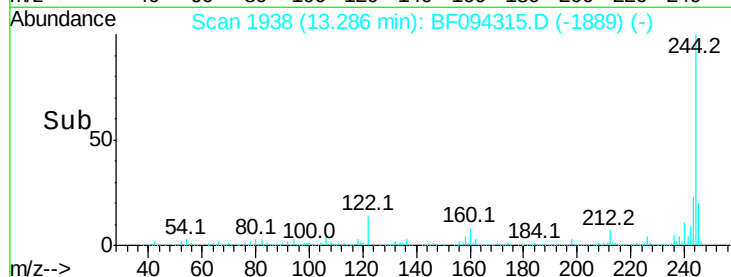
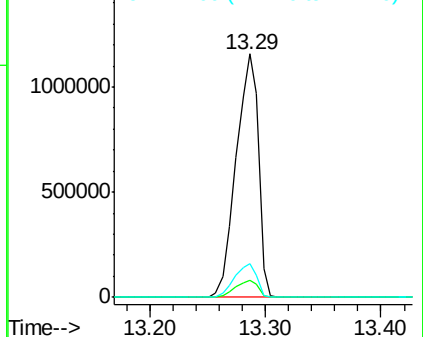
#78
 Terphenyl-d14
 Concen: 77.60 ng
 RT: 13.29 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1540381
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.0 10.3 15.5

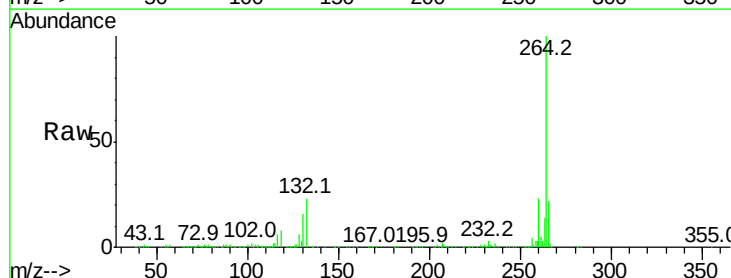


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BF094315.D
 Acq: 10 Apr 2017 17:05

Tgt Ion:264 Resp: 295983
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.8 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

