

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093698.D
 Acq On : 16 Mar 2017 7:52
 Operator : SJ/MA
 Sample : I2162-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 031117-DSDC-F-U-M

Quant Time: Mar 16 08:12:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

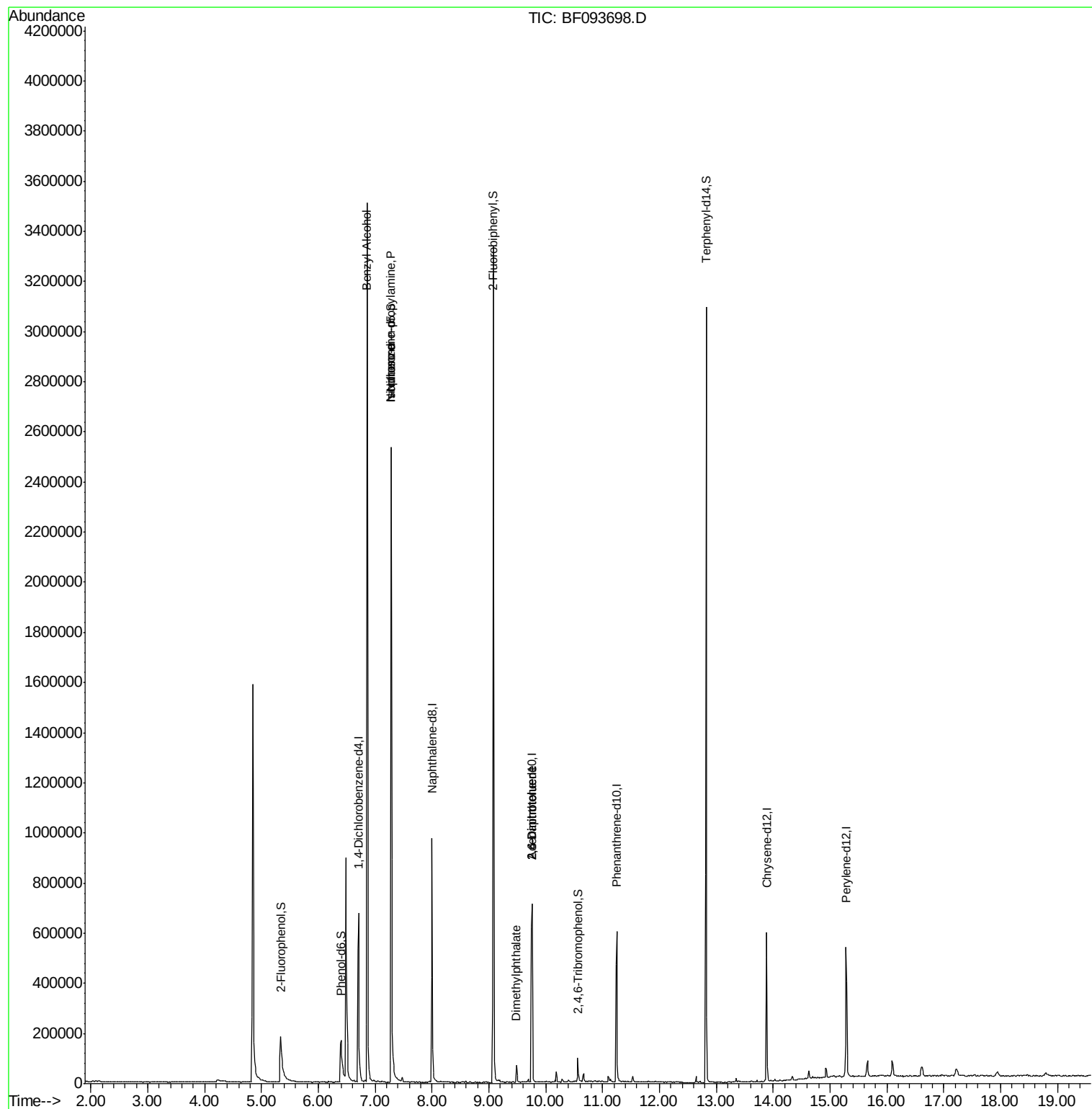
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	144611	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	530854	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	204122	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	313792	20.00	ng	0.00
75) Chrysene-d12	13.89	240	302885	20.00	ng	0.00
86) Perylene-d12	15.28	264	251997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	142917	16.45	ng	0.02
7) Phenol-d6	6.40	99	151512	13.83	ng	0.02
23) Nitrobenzene-d5	7.28	82	934969	97.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	13134	9.88	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1421081	129.49	ng	-0.01
78) Terphenyl-d14	12.83	244	943666	81.00	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.86	79	15645	2.00	ng	# 37
19) n-Nitroso-di-n-propylamine	7.28	70	122952	16.32	ng	# 84
25) Isophorone	7.28	82	904294	46.87	ng	# 65
49) Dimethylphthalate	9.49	163	35735	2.64	ng	99
50) 2,6-Dinitrotoluene	9.76	165	24715	8.32	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	24715	6.78	ng	# 21

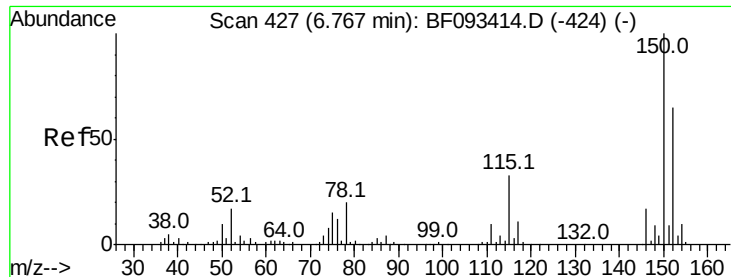
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA_F

ClientSampleId :

031117-DSDC-F-U-M

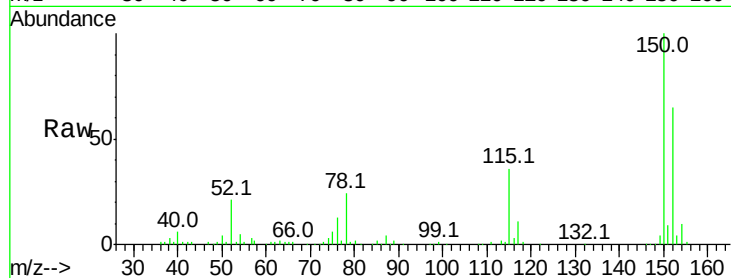
Tot Ion:152 Resp: 144611

Ion Ratio Lower Upper

152 100

150 152.8 124.9 187.3

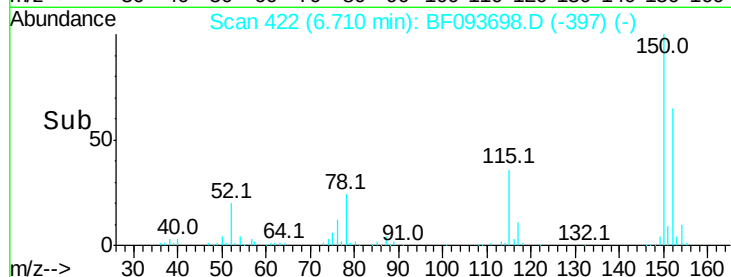
115 55.4 46.0 69.0



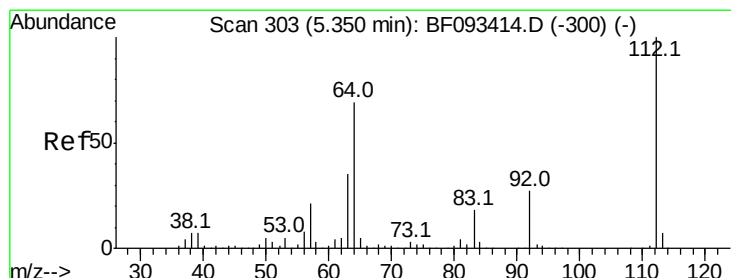
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 16.45 ng

RT: 5.34 min Scan# 302

Delta R.T. 0.02 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

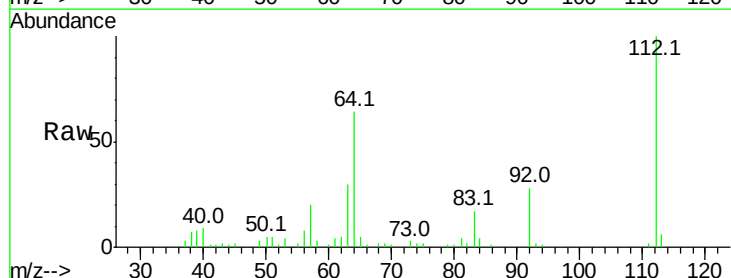
Tgt Ion:112 Resp: 142917

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

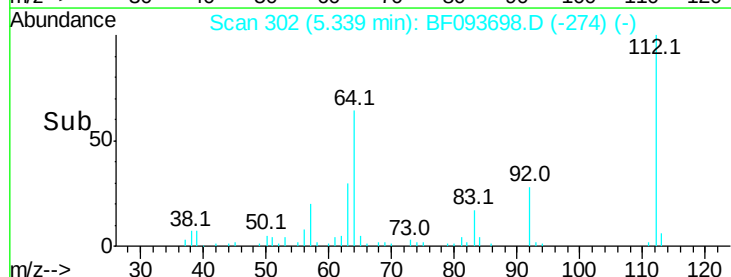
63 30.2 23.8 35.6



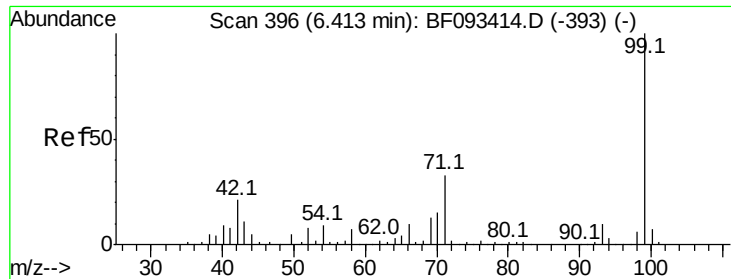
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 13.83 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA_F

ClientSampleId :

031117-DSDC-F-U-M

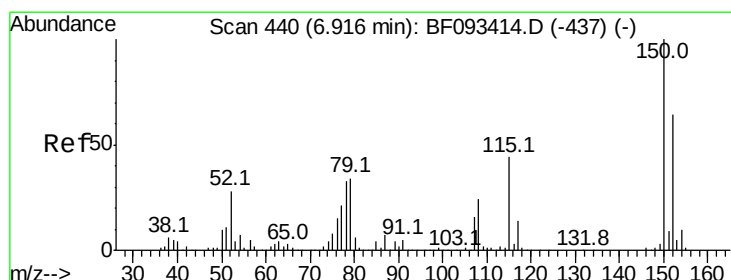
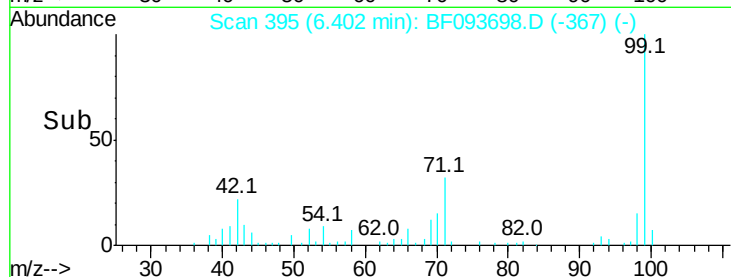
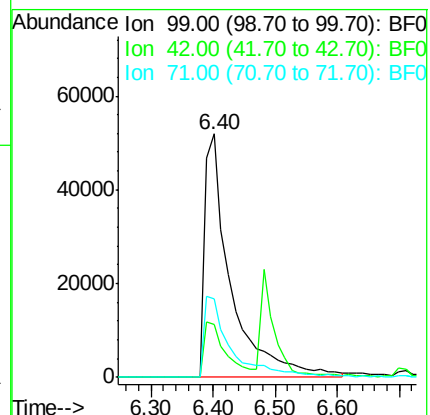
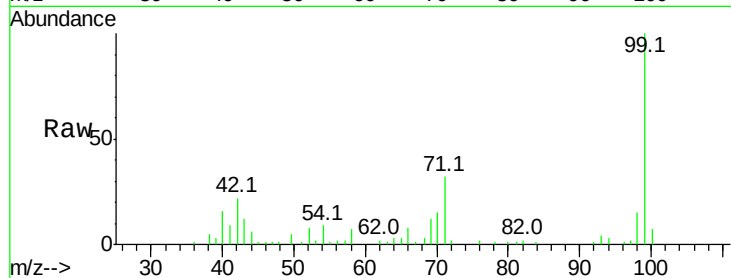
Tot Ion: 99 Resp: 151512

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

71 32.1 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

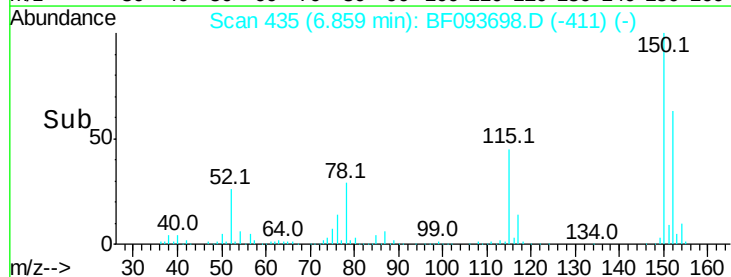
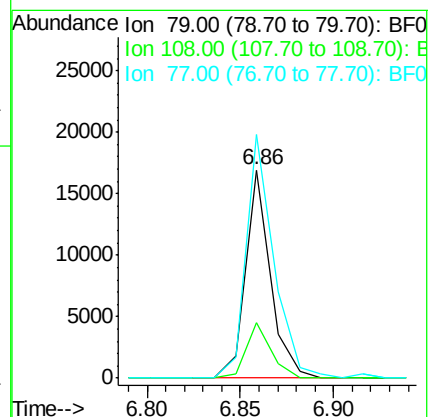
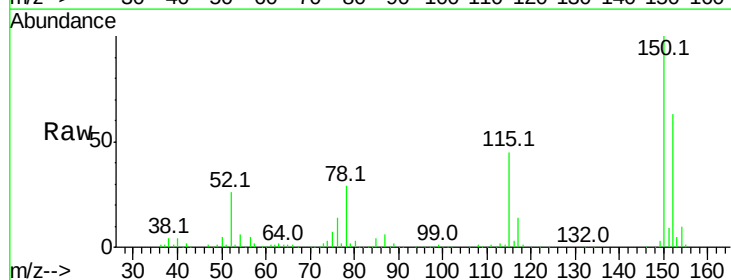
Tgt Ion: 79 Resp: 15645

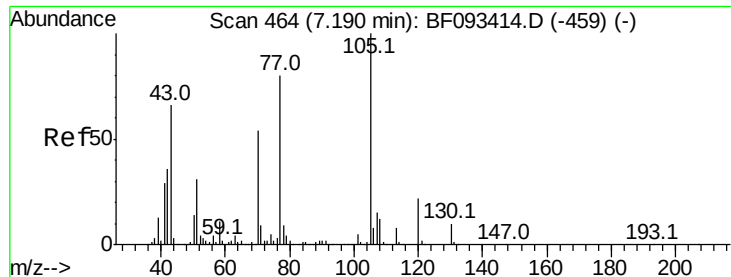
Ion Ratio Lower Upper

79 100

108 26.7 61.4 92.0#

77 117.1 50.9 76.3#

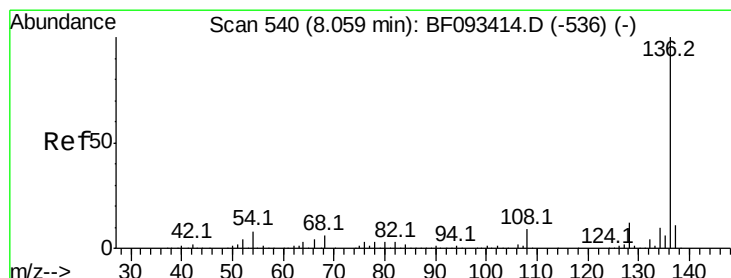
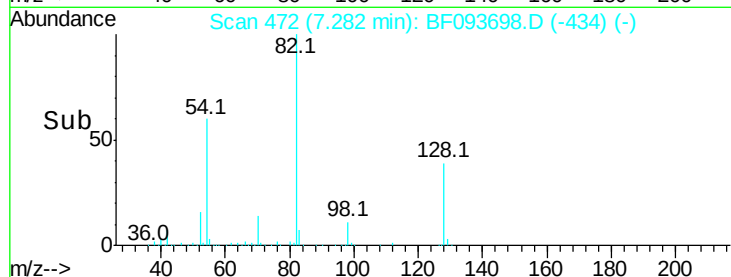
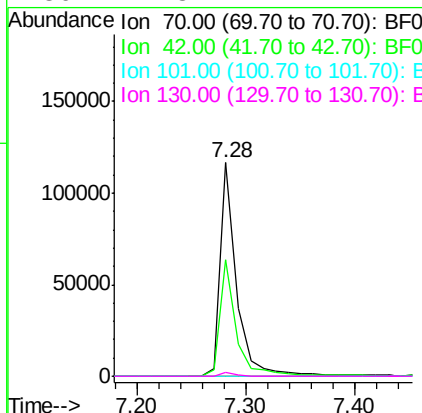
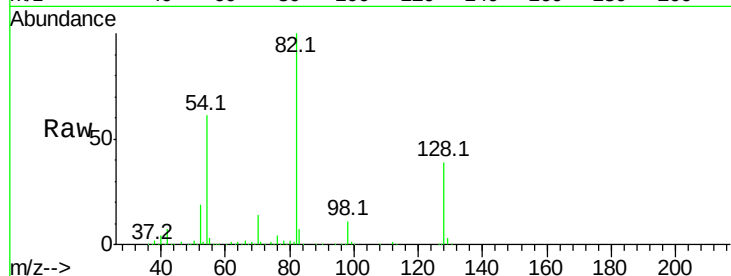




#19
n-Nitroso-di-n-propylamine
Concen: 16.32 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093698.D
Acq: 16 Mar 2017 7:52

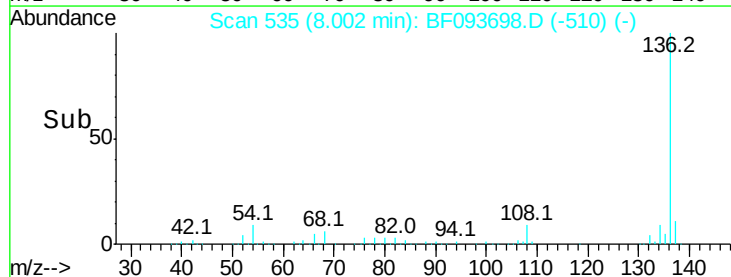
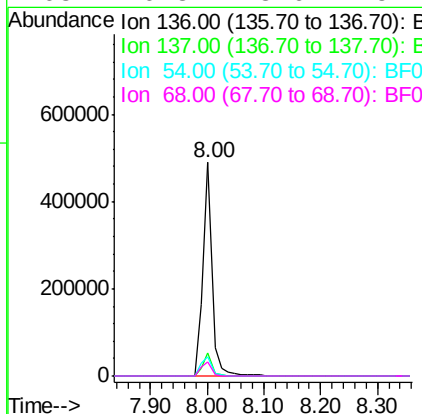
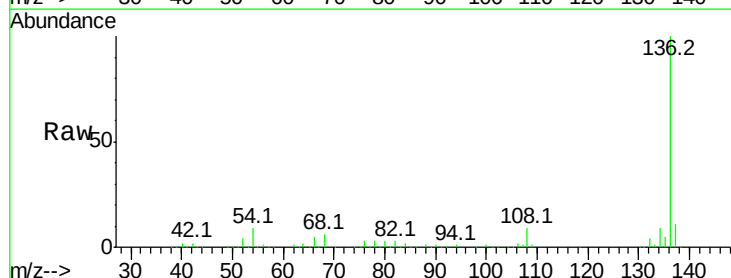
Instrument :
BNA_F
ClientSampleId :
031117-DSDC-F-U-M

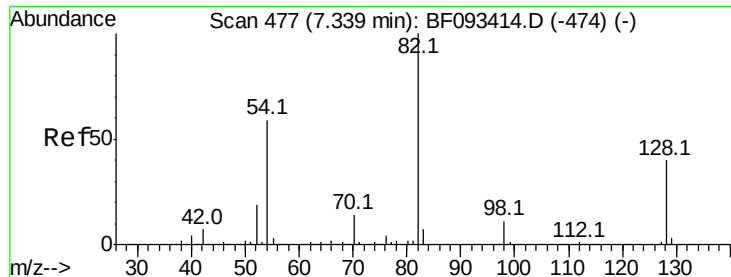
Tot Ion: 70 Resp: 122952
Ion Ratio Lower Upper
70 100
42 54.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093698.D
Acq: 16 Mar 2017 7:52

Tgt Ion:136 Resp: 530854
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.8 4.5 6.7#
68 6.3 3.6 5.4#

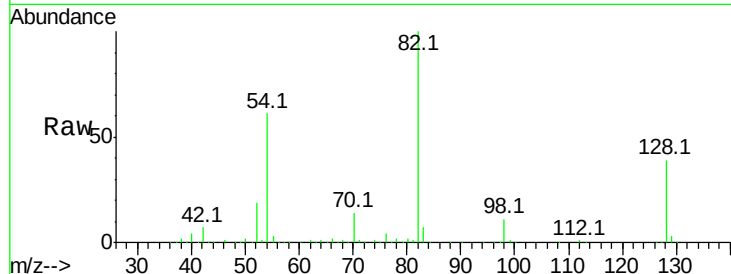




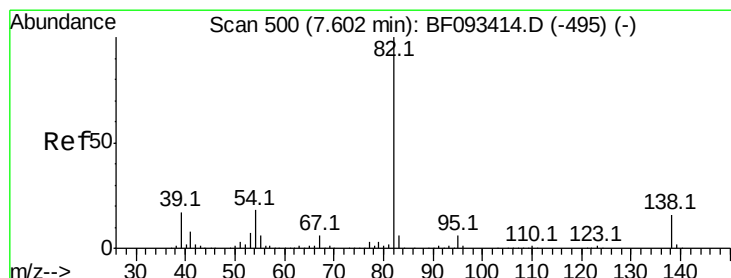
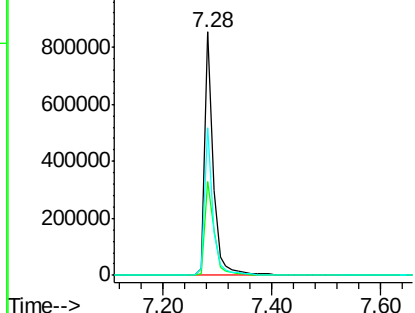
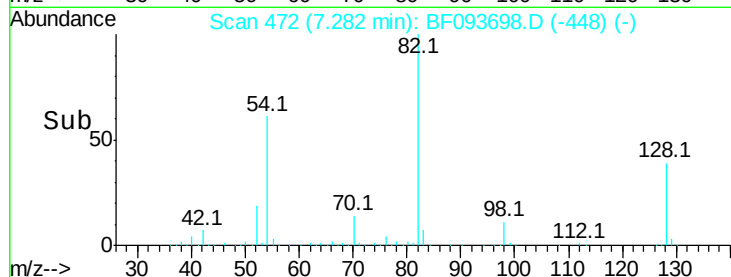
#23
 Nitrobenzene-d5
 Concen: 97.72 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093698.D
 Acq: 16 Mar 2017 7:52

Instrument :
 BNA_F
 ClientSampleId :
 031117-DSDC-F-U-M

Tot Ion	82	Resp	934969
Ion Ratio	Lower	Upper	
82	100		
128	38.8	34.6	52.0
54	60.7	39.5	59.3#

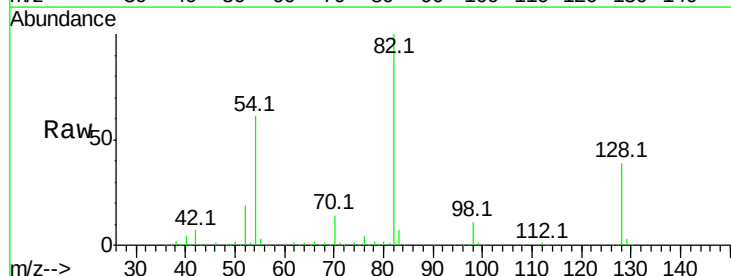


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

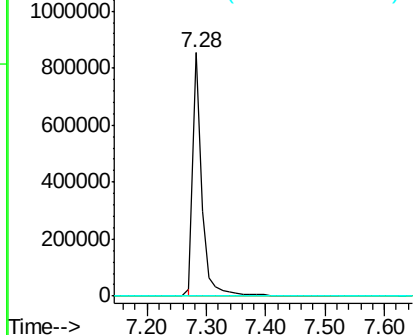
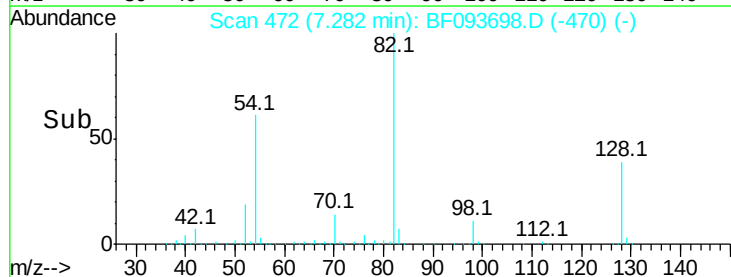


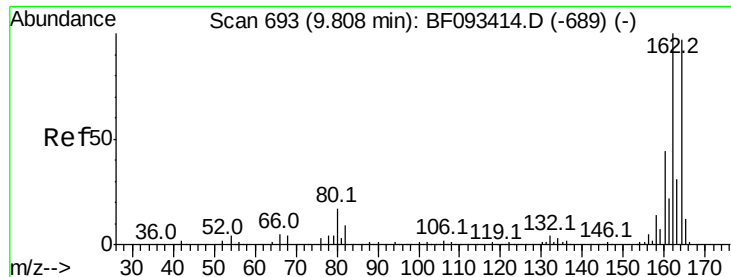
#25
 Isophorone
 Concen: 46.87 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093698.D
 Acq: 16 Mar 2017 7:52

Tgt Ion	82	Resp	904294
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

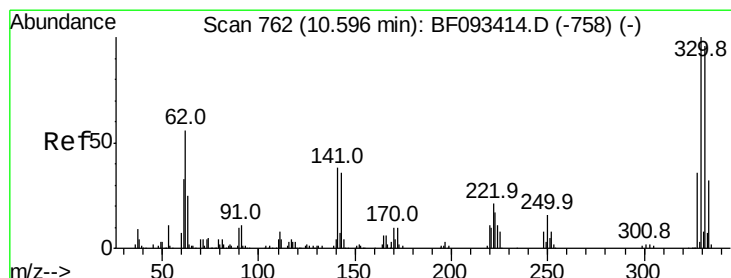
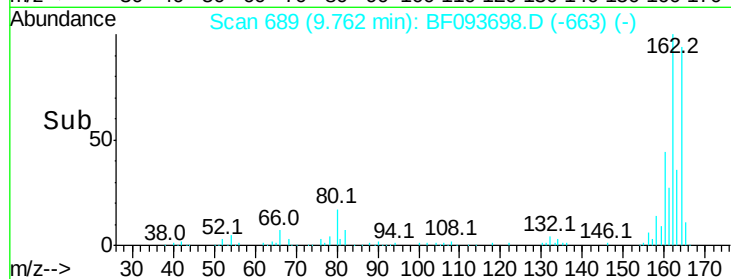
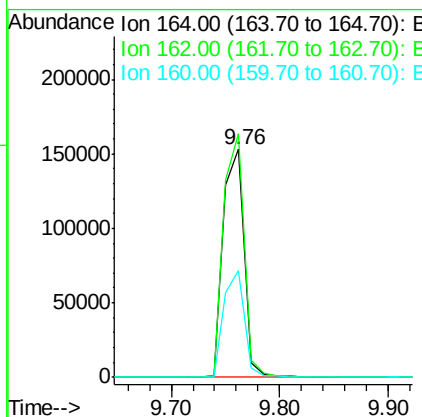
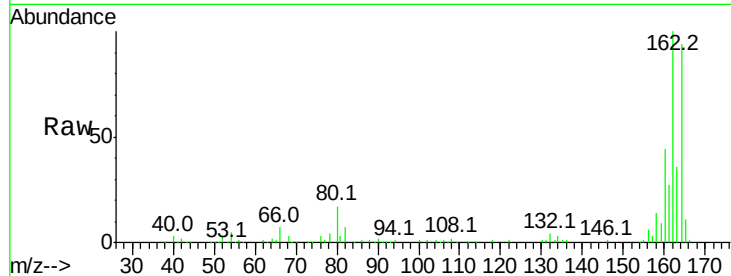




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093698.D
Acq: 16 Mar 2017 7:52

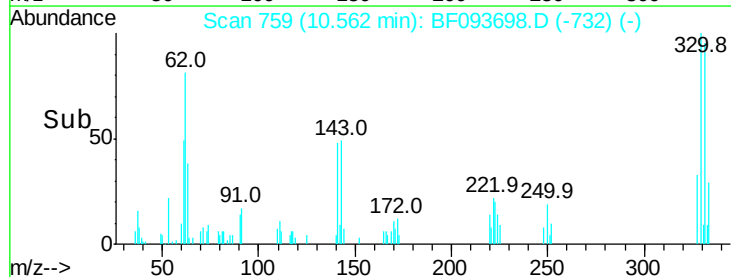
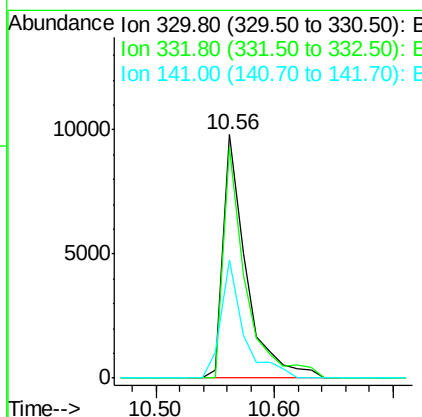
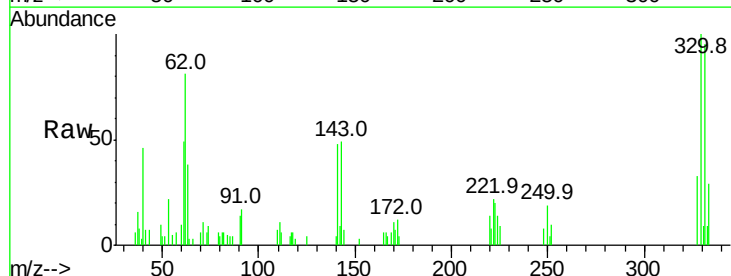
Instrument :
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ClientSampleId :
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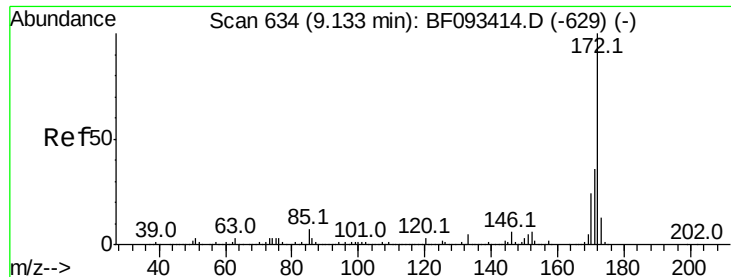
Tot Ion:164 Resp: 204122
Ion Ratio Lower Upper
164 100
162 106.8 80.2 120.2
160 46.9 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 9.88 ng
RT: 10.56 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF093698.D
Acq: 16 Mar 2017 7:52

Tgt Ion:330 Resp: 13134
Ion Ratio Lower Upper
330 100
332 91.0 77.4 116.2
141 47.6 34.1 51.1





#44

2-Fluorobiphenyl

Concen: 129.49 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

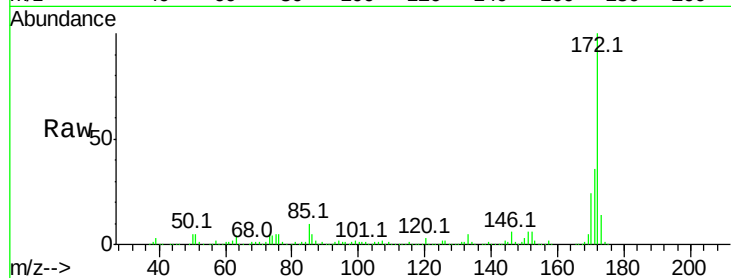
BNA_F

ClientSampleId :

031117-DSDC-F-U-M

Tot Ion:172 Resp: 1421081

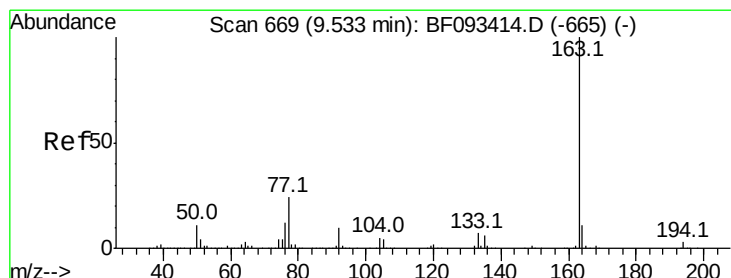
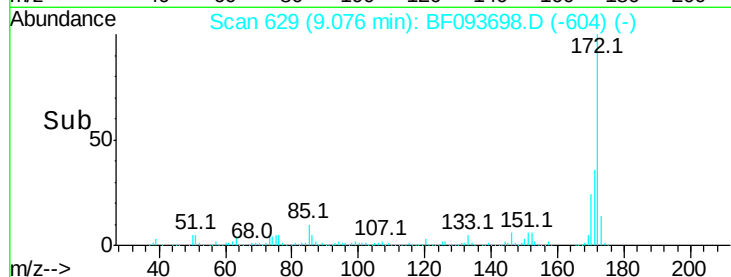
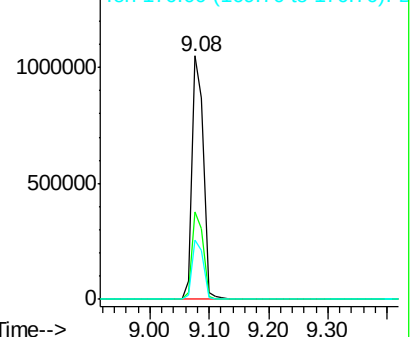
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.4	20.2	30.4



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



#49

Dimethylphthalate

Concen: 2.64 ng

RT: 9.49 min Scan# 665

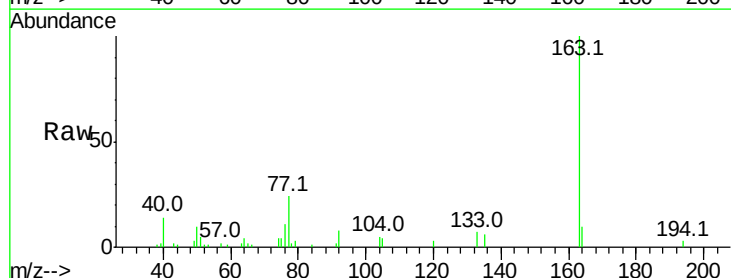
Delta R.T. -0.01 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Tgt Ion:163 Resp: 35735

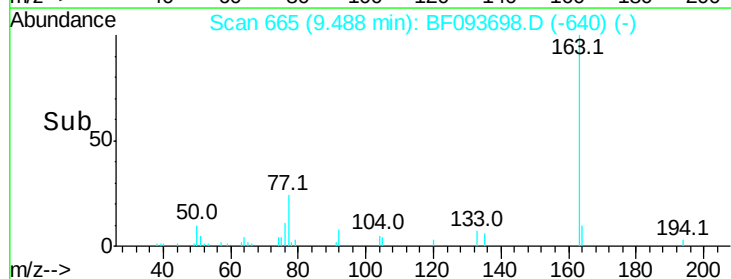
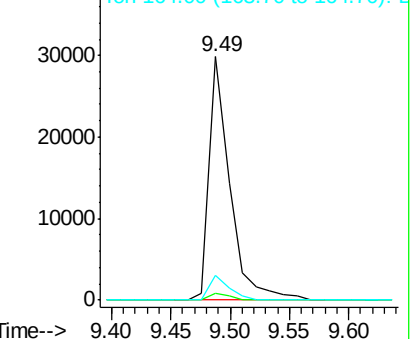
Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.2	8.0	12.0

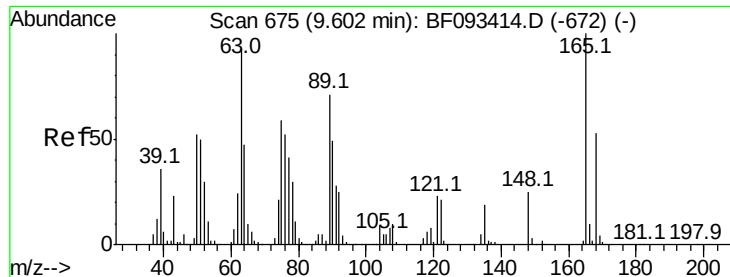


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

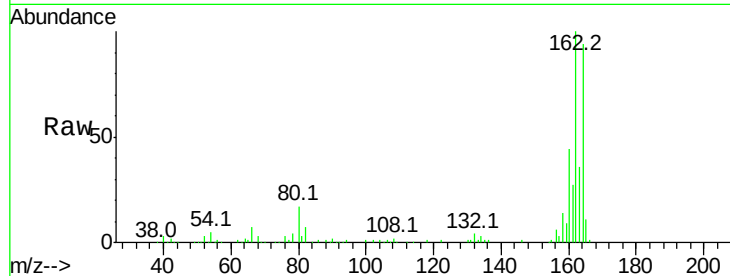




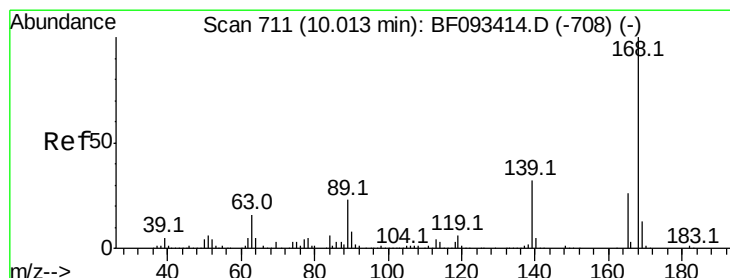
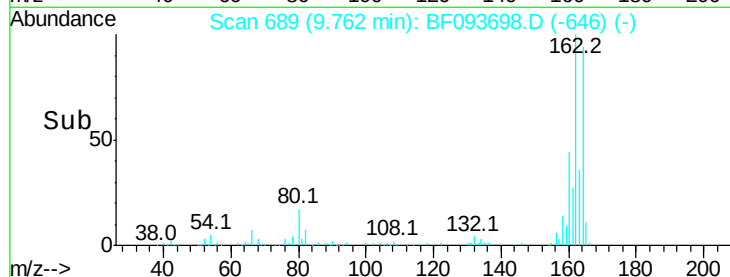
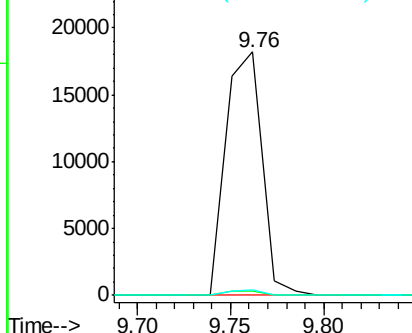
#50
2,6-Dinitrotoluene
Concen: 8.32 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.19 min
Lab File: BF093698.D
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Tot Ion:165 Resp: 24715
Ion Ratio Lower Upper
165 100
63 1.7 36.2 54.4#
89 2.0 40.2 60.4#

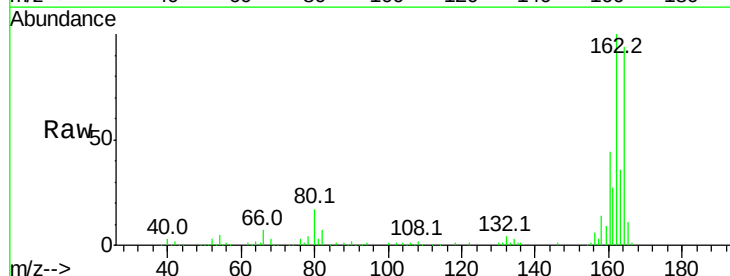


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

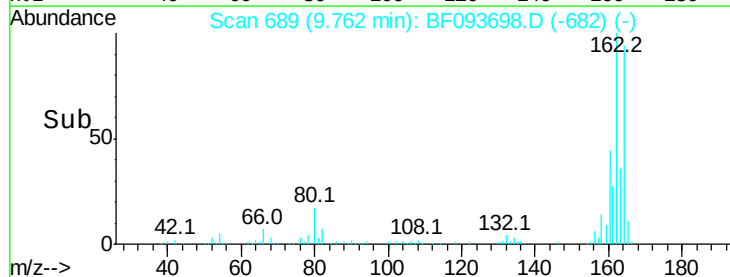
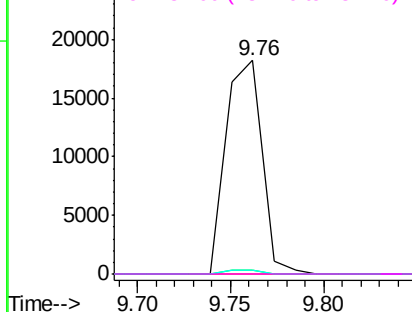


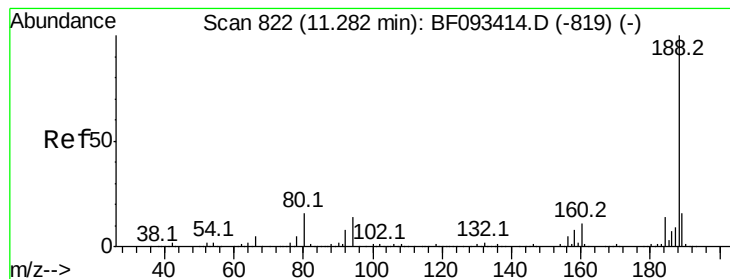
#56
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.22 min
Lab File: BF093698.D
Acq: 16 Mar 2017 7:52

Tgt Ion:165 Resp: 24715
Ion Ratio Lower Upper
165 100
63 1.7 40.2 60.4#
89 2.0 62.5 93.7#
182 0.0 1.8 2.8#



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: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA_F

ClientSampleId :

031117-DSDC-F-U-M

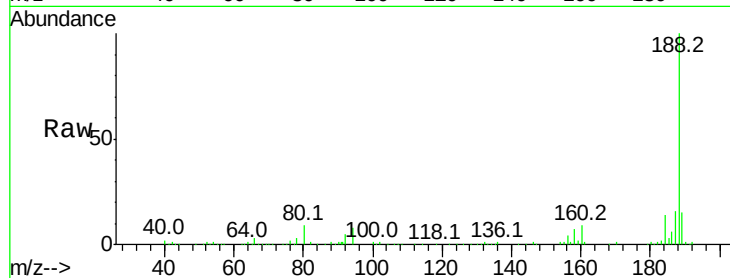
Tot Ion:188 Resp: 313792

Ion Ratio Lower Upper

188 100

94 8.4 10.0 15.0#

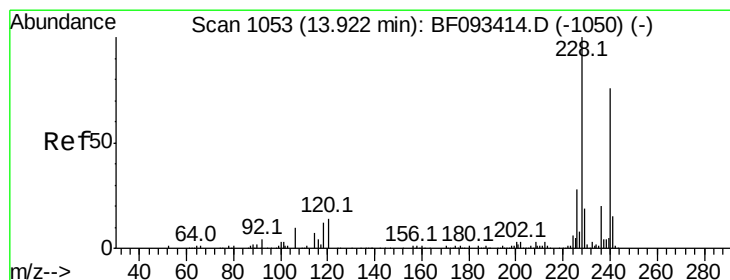
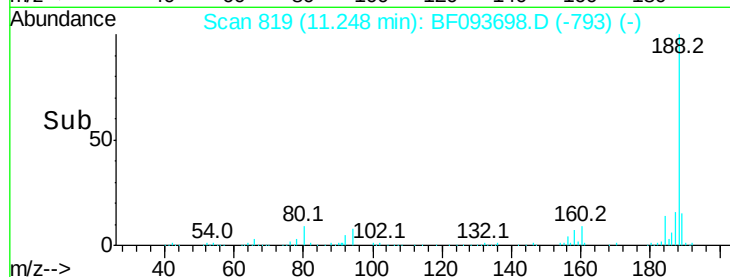
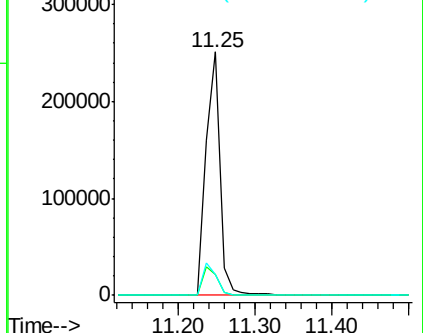
80 8.8 11.2 16.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

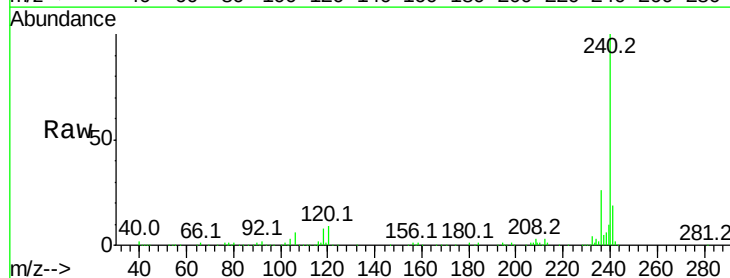
Tgt Ion:240 Resp: 302885

Ion Ratio Lower Upper

240 100

120 9.0 12.9 19.3#

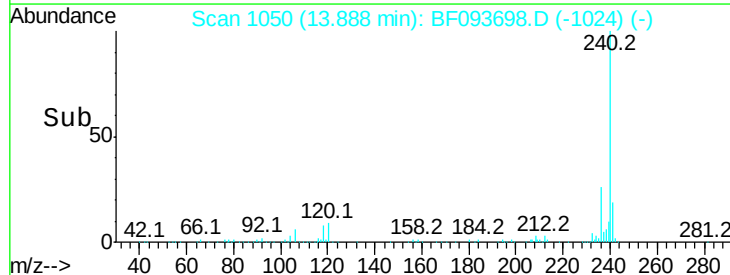
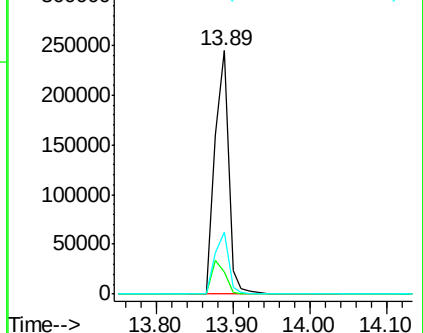
236 25.6 20.9 31.3

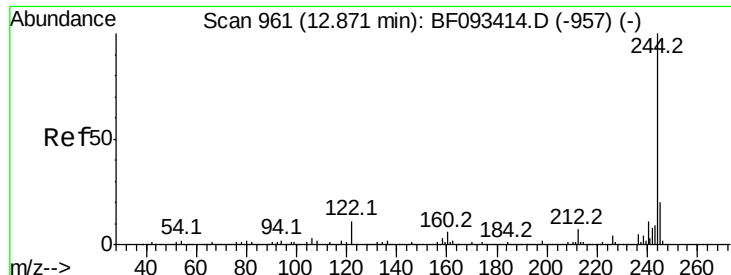


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.00 ng

RT: 12.83 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

Instrument :

BNA_F

ClientSampleId :

031117-DSDC-F-U-M

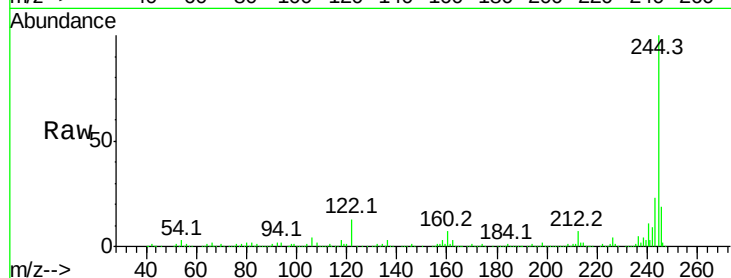
Tot Ion:244 Resp: 943666

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

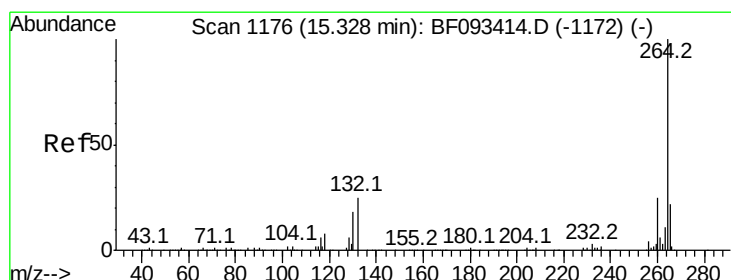
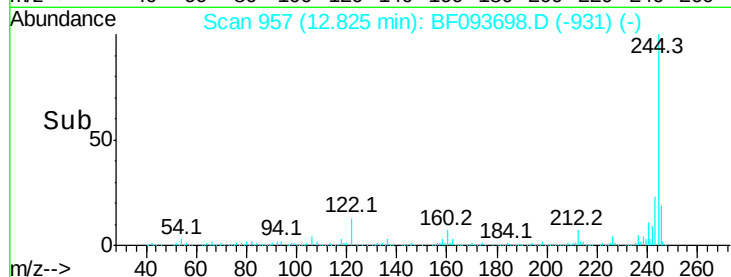
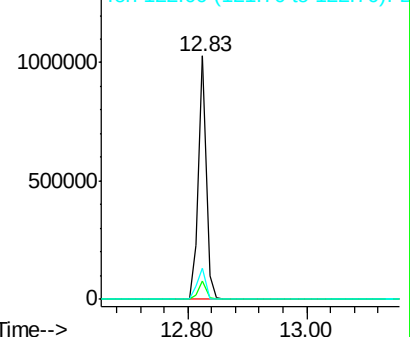
122 12.5 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF093698.D

Acq: 16 Mar 2017 7:52

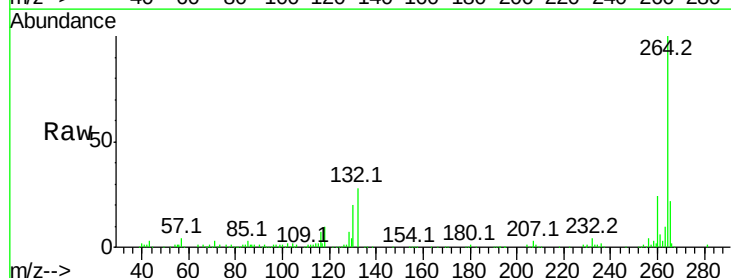
Tgt Ion:264 Resp: 251997

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.6 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

