

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093475.D
 Acq On : 9 Mar 2017 14:00
 Operator : SJ/MA
 Sample : I2123-02RE
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 14:23:52 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

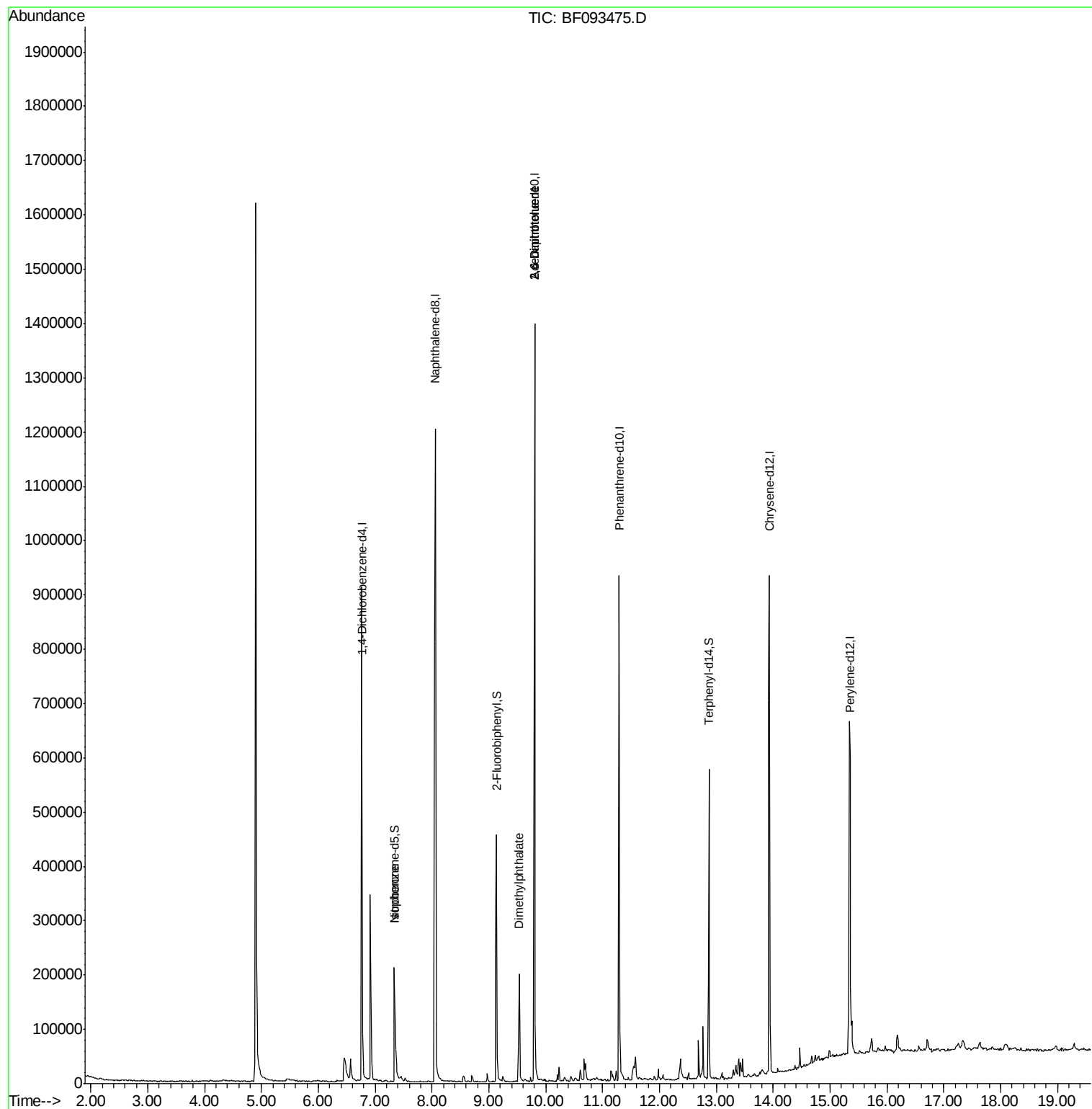
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	194474	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	731531	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	325822	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	501853	20.00	ng	0.01
75) Chrysene-d12	13.93	240	429628	20.00	ng	0.01
86) Perylene-d12	15.35	264	331578	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	5429	0.46	ng	0.13
7) Phenol-d6	6.45	99	12892	0.87	ng	0.03
23) Nitrobenzene-d5	7.34	82	119375	9.05	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	3499	1.65	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	184696	10.54	ng	0.00
78) Terphenyl-d14	12.87	244	176951	10.71	ng	0.00
Target Compounds						
25) Isophorone	7.34	82	119674	4.50	ng	# 65
49) Dimethylphthalate	9.53	163	100563	4.66	ng	99
50) 2,6-Dinitrotoluene	9.81	165	40608	8.57	ng	# 31
56) 2,4-Dinitrotoluene	9.81	165	40610	6.97	ng	# 20

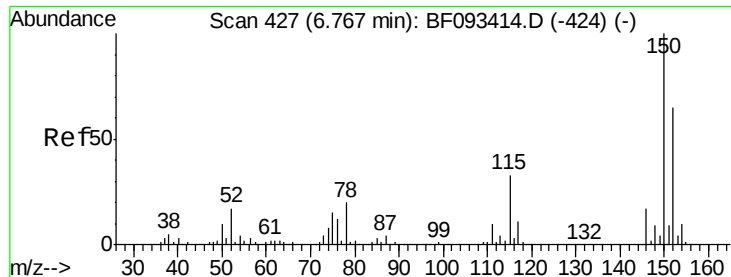
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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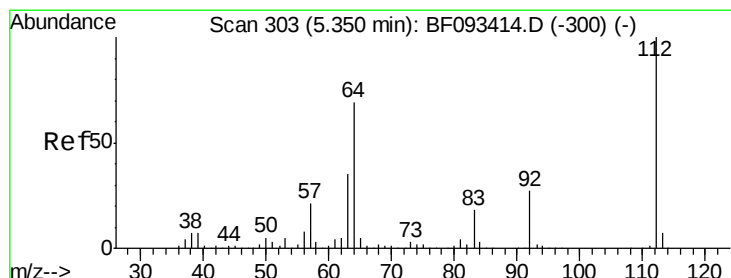
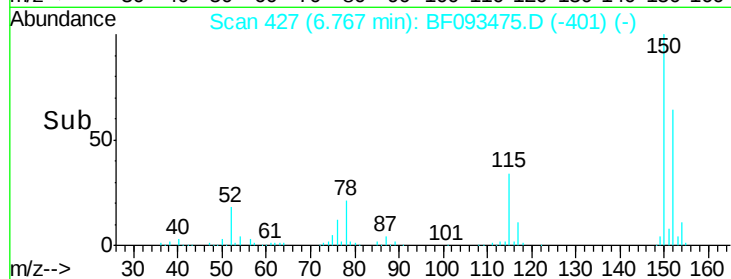
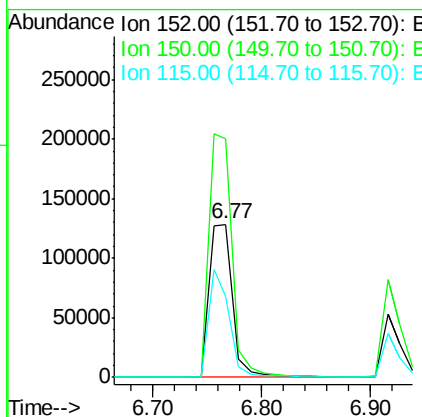
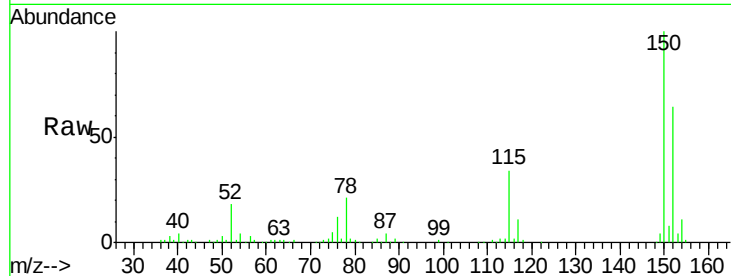


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Instrument :
BNA_F
ClientSampleId :

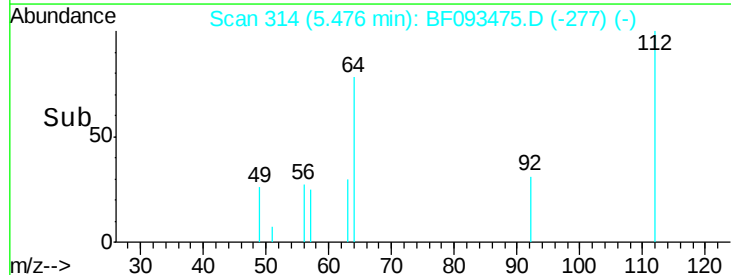
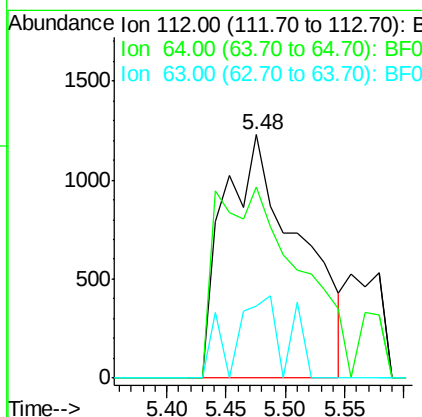
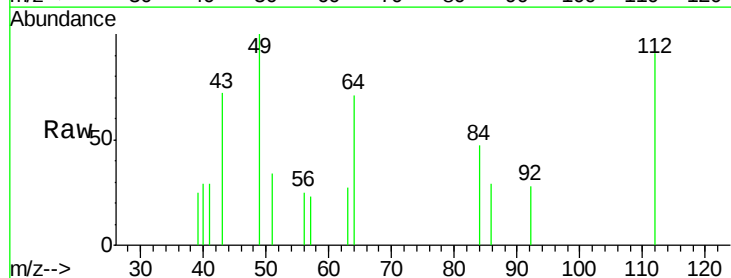
Tot Ion:152 Resp: 194474
Ion Ratio Lower Upper
152 100
150 155.4 124.9 187.3
115 52.6 46.0 69.0

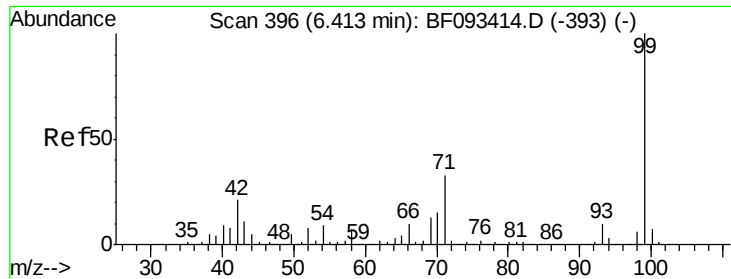


#5

2-Fluorophenol
Concen: 0.46 ng
RT: 5.48 min Scan# 314
Delta R.T. 0.13 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Tgt Ion:112 Resp: 5429
Ion Ratio Lower Upper
112 100
64 78.4 46.1 69.1#
63 29.9 23.8 35.6





#7

Phenol-d6

Concen: 0.87 ng

RT: 6.45 min Scan# 399

Delta R.T. 0.03 min

Lab File: BF093475.D

Acq: 9 Mar 2017 14:00

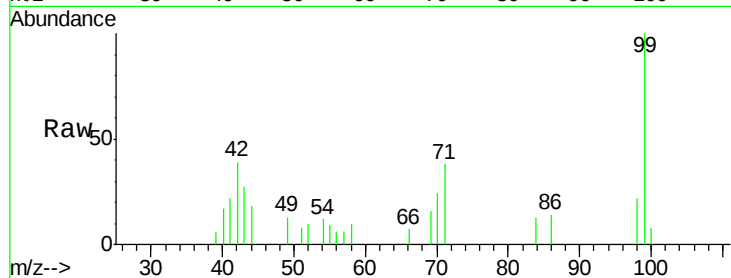
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 12892

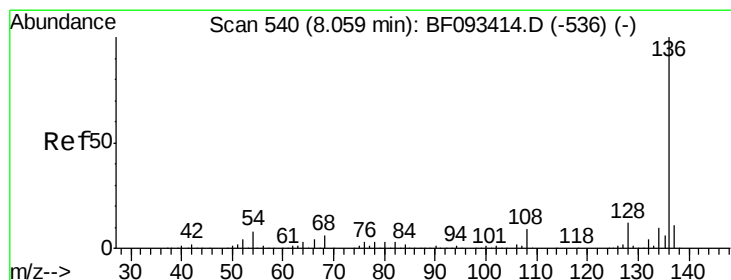
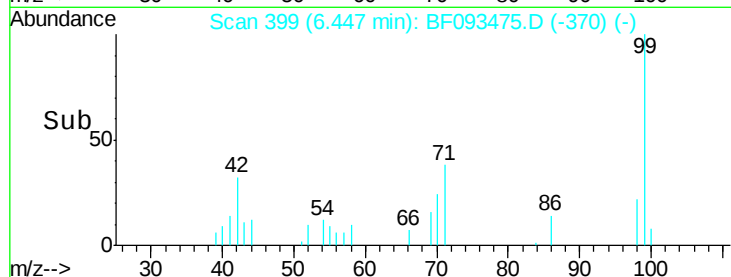
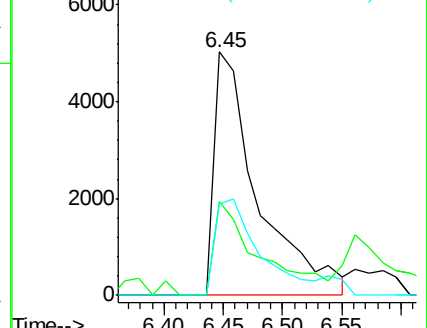
Ion	Ratio	Lower	Upper
99	100		
42	38.8	15.6	23.4#
71	37.7	27.5	41.3



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: 8.06 min Scan# 540

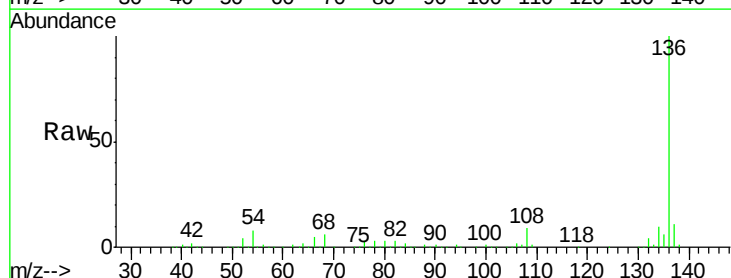
Delta R.T. -0.00 min

Lab File: BF093475.D

Acq: 9 Mar 2017 14:00

Tgt Ion: 136 Resp: 731531

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.2	4.5	6.7#
68	5.9	3.6	5.4#

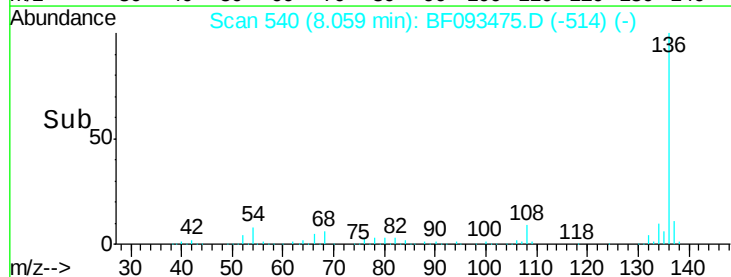
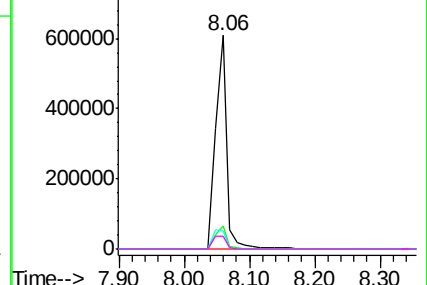


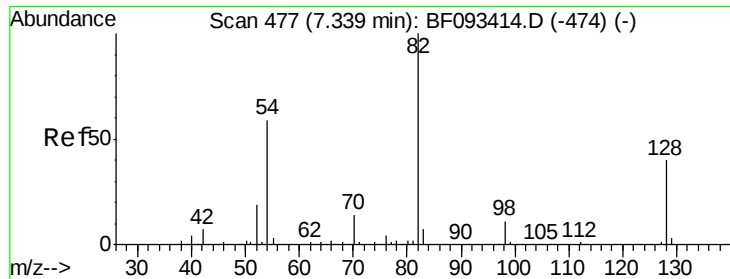
Abundance Ion 136.00 (135.70 to 136.70): E

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

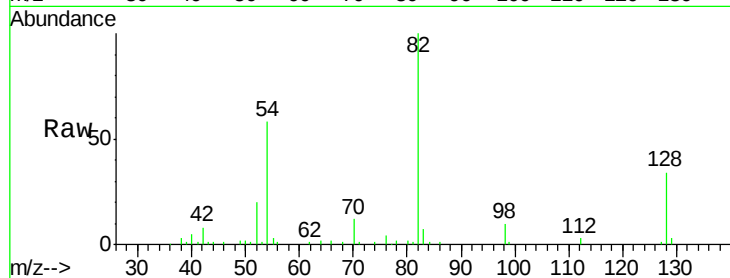




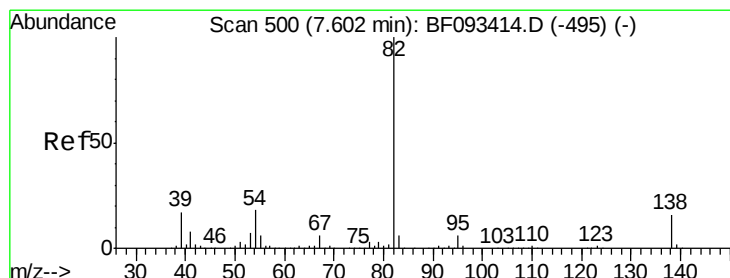
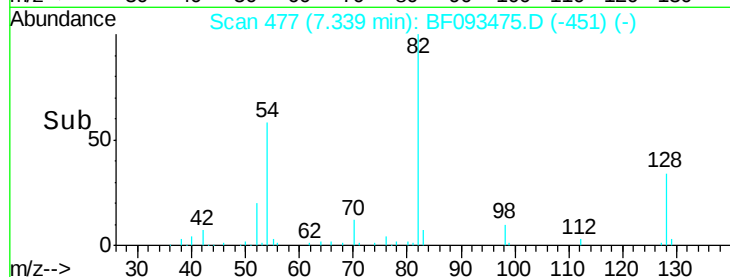
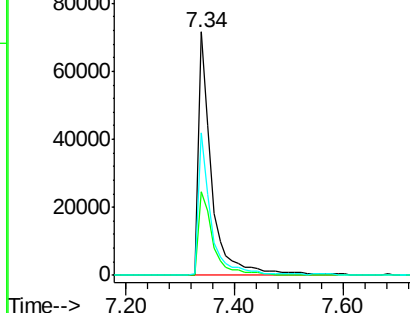
#23
Nitrobenzene-d5
Concen: 9.05 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 119375
Ion Ratio Lower Upper
82 100
128 34.2 34.6 52.0#
54 58.4 39.5 59.3

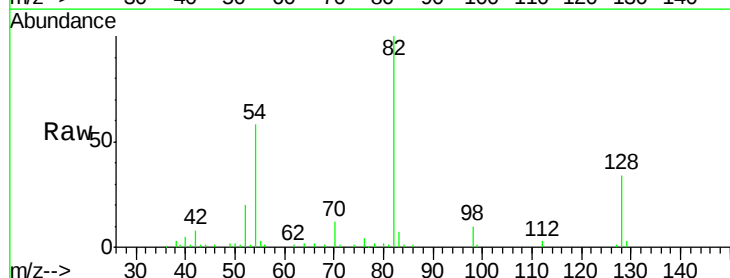


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

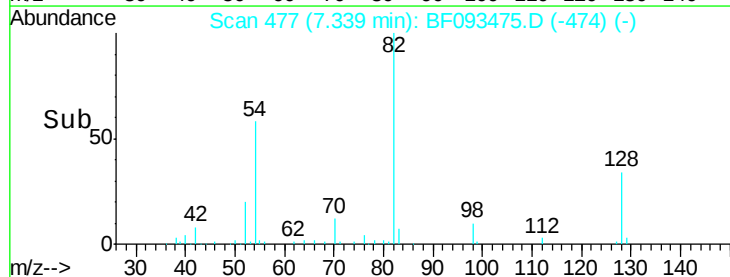
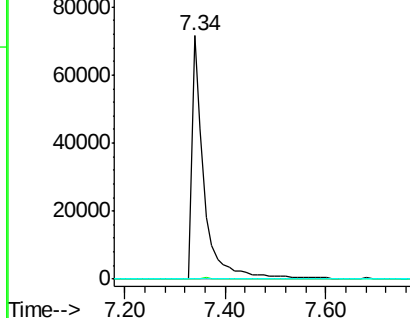


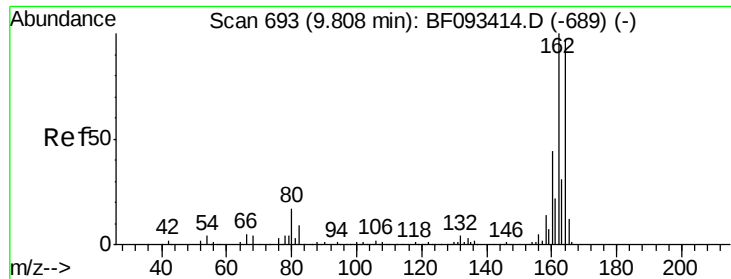
#25
Isophorone
Concen: 4.50 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.26 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Tgt Ion: 82 Resp: 119674
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: 9.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093475.D

Acq: 9 Mar 2017 14:00

Instrument :

BNA_F

ClientSampleId :

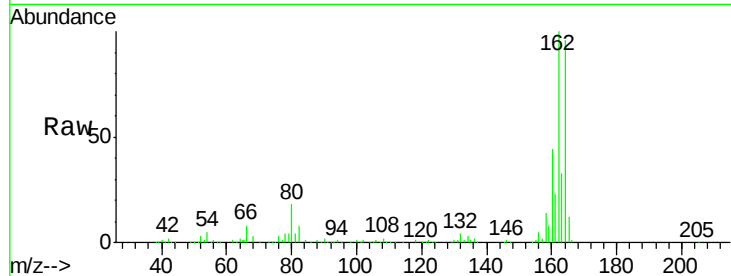
Tot Ion:164 Resp: 325822

Ion Ratio Lower Upper

164 100

162 103.8 80.2 120.2

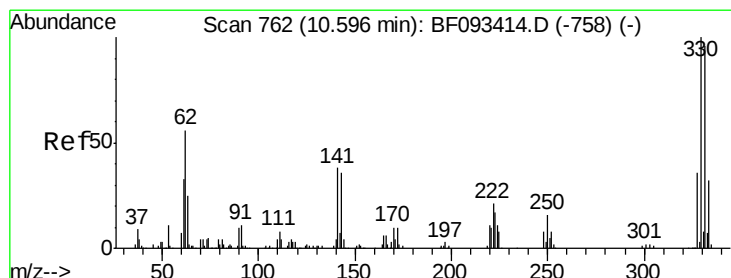
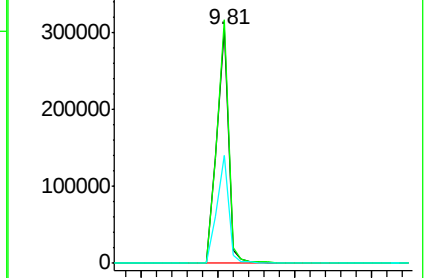
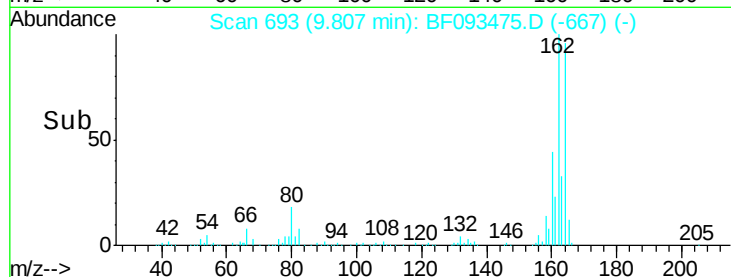
160 45.9 36.9 55.3



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: 1.65 ng

RT: 10.61 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF093475.D

Acq: 9 Mar 2017 14:00

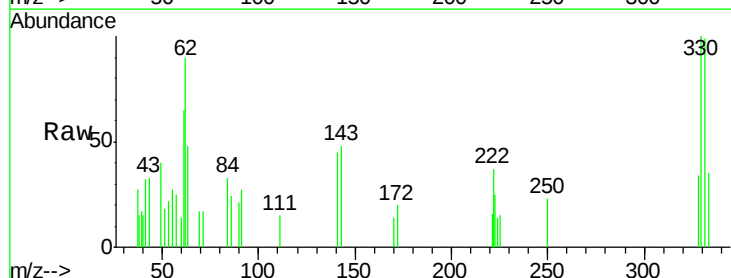
Tgt Ion:330 Resp: 3499

Ion Ratio Lower Upper

330 100

332 91.9 77.4 116.2

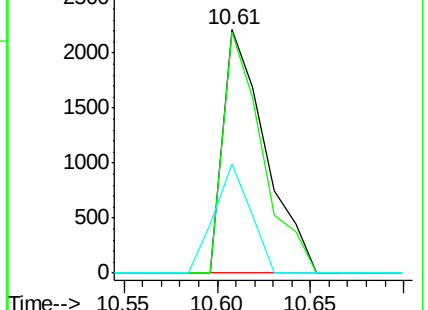
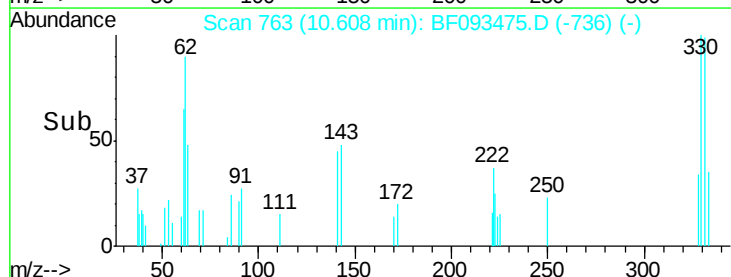
141 38.5 34.1 51.1

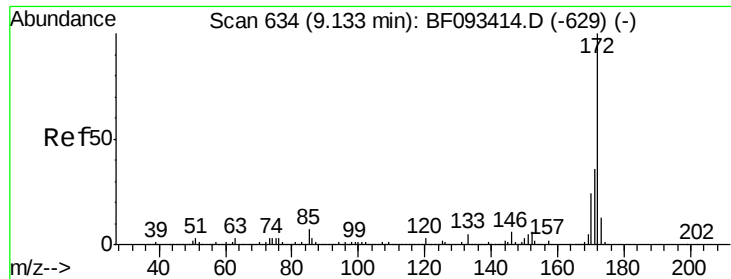


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

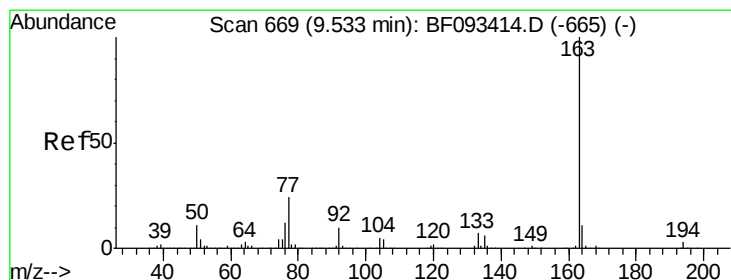
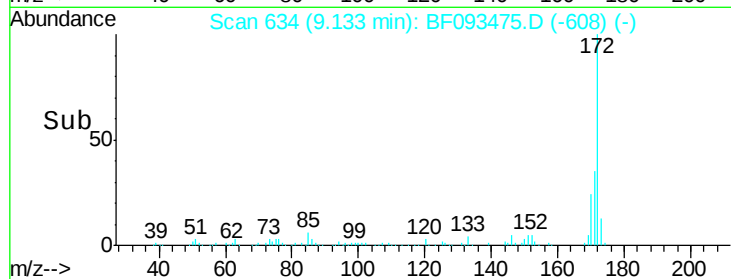
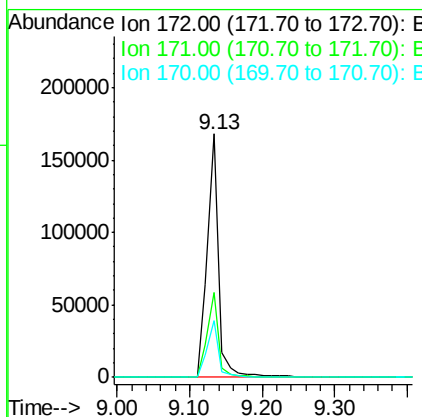
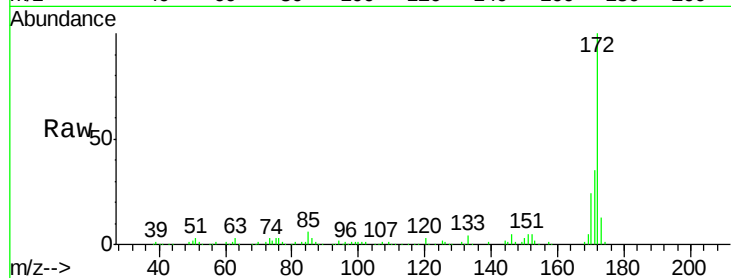




#44
2-Fluorobiphenyl
Concen: 10.54 ng
RT: 9.13 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

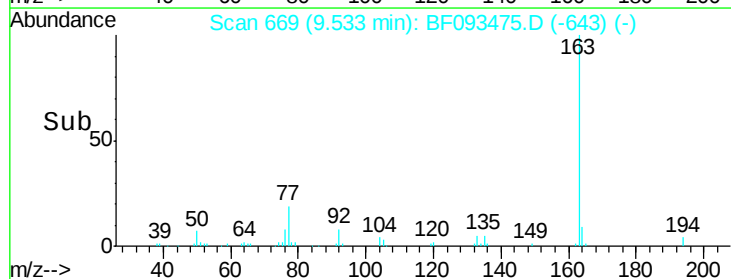
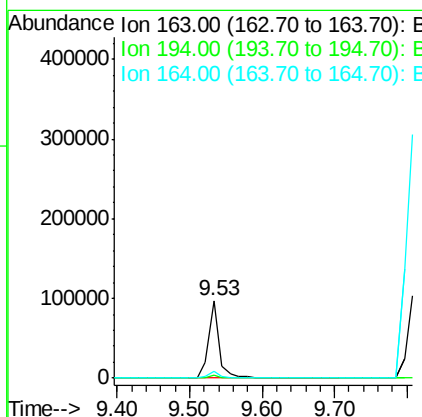
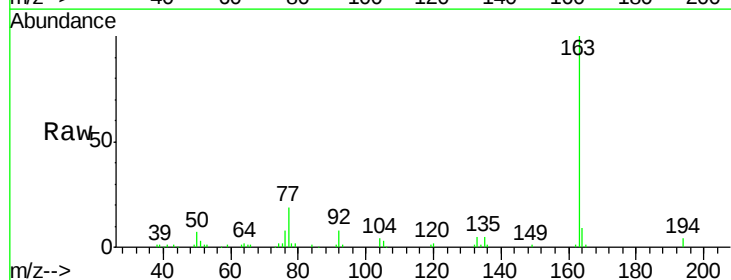
Instrument :
BNA_F
ClientSampleId :

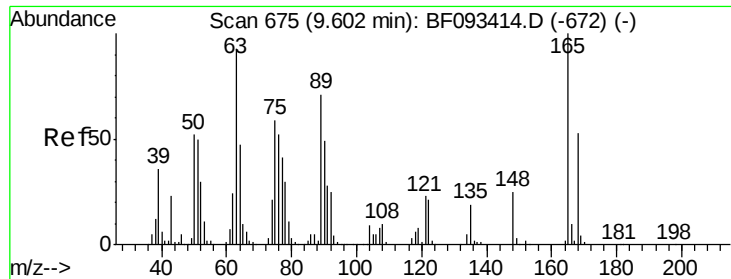
Tot Ion:172 Resp: 184696
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.5 20.2 30.4



#49
Dimethylphthalate
Concen: 4.66 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Tgt Ion:163 Resp: 100563
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 9.5 8.0 12.0

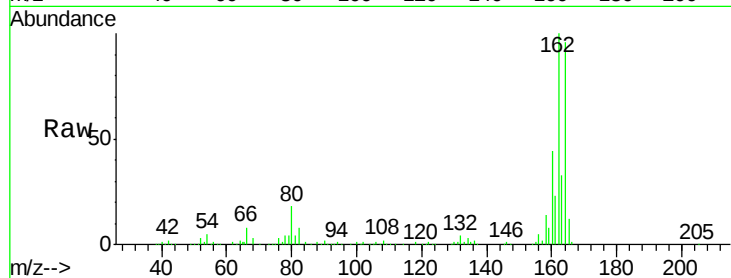




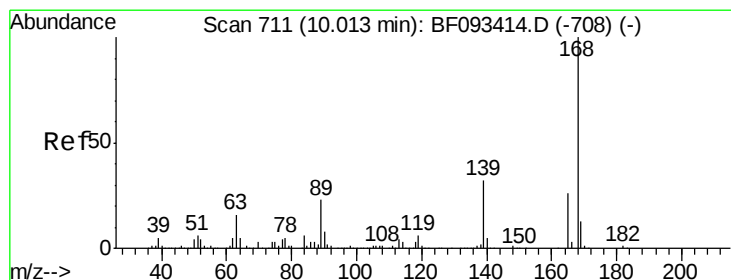
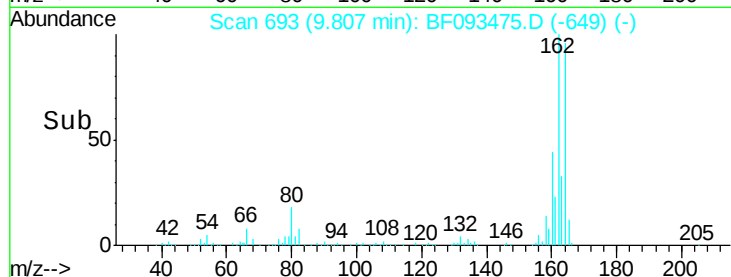
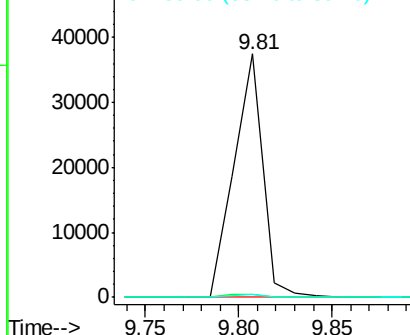
#50
2,6-Dinitrotoluene
Concen: 8.57 ng
RT: 9.81 min Scan# 693
Delta R.T. 0.21 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 40608
Ion Ratio Lower Upper
165 100
63 1.0 36.2 54.4#
89 1.4 40.2 60.4#

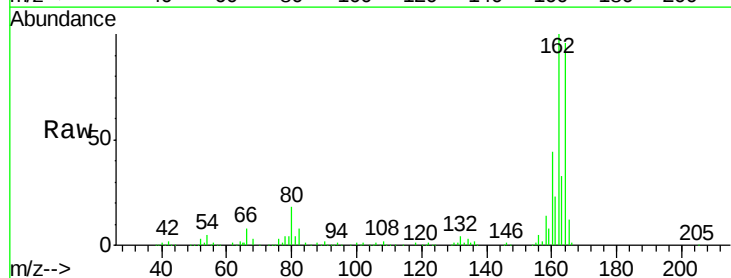


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

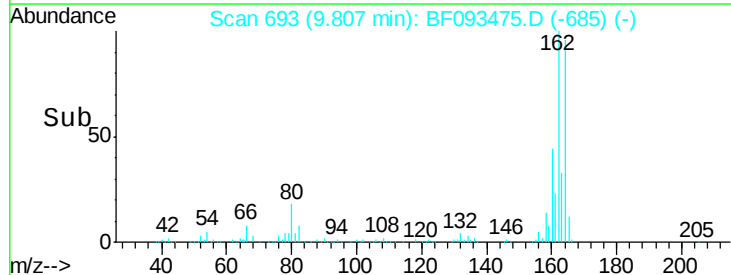
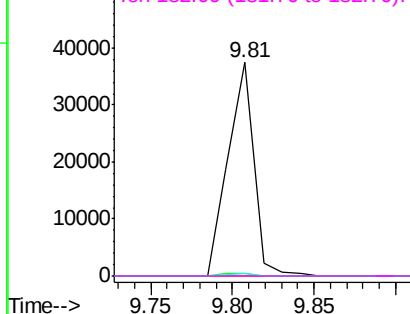


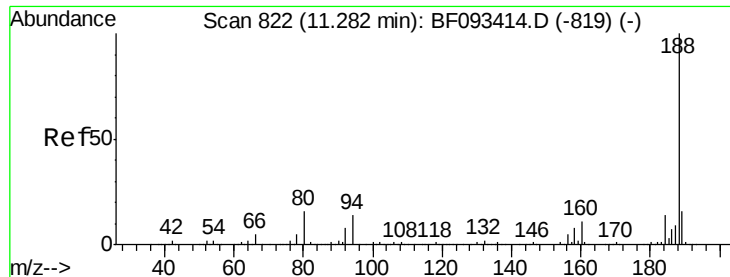
#56
2,4-Dinitrotoluene
Concen: 6.97 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.21 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Tgt Ion:165 Resp: 40610
Ion Ratio Lower Upper
165 100
63 1.0 40.2 60.4#
89 1.4 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

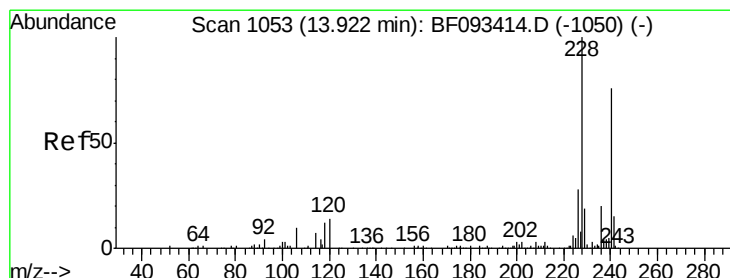
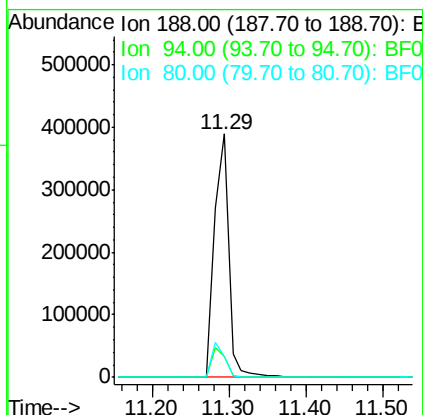
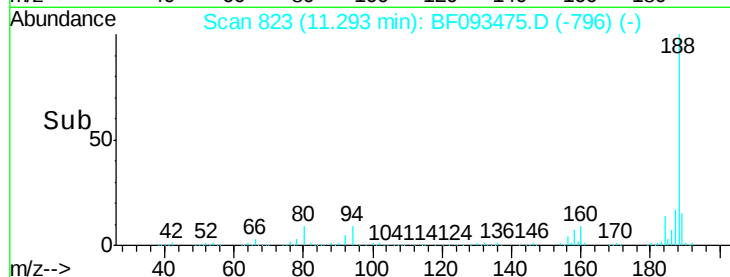
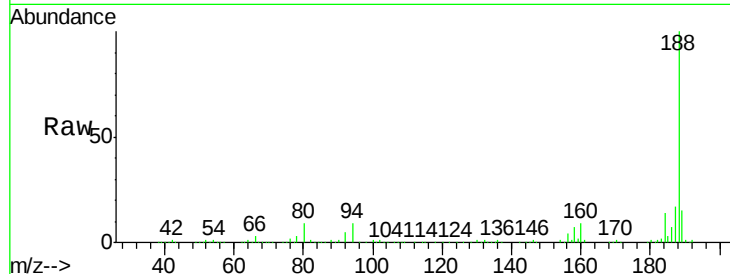




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

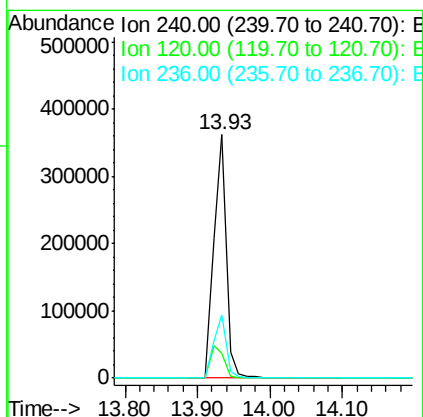
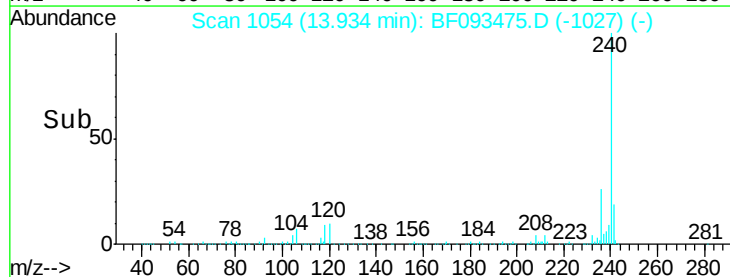
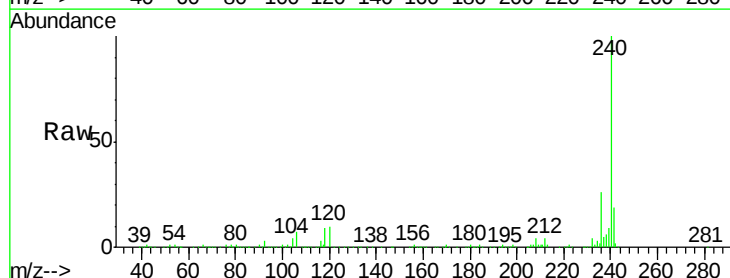
Instrument :
BNA_F
ClientSampled :

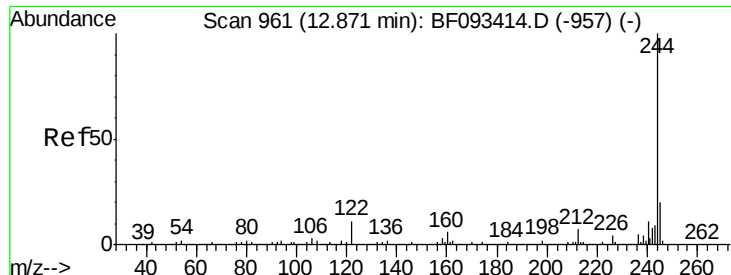
Tot Ion:188 Resp: 501853
Ion Ratio Lower Upper
188 100
94 8.7 10.0 15.0#
80 8.8 11.2 16.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1054
Delta R.T. 0.01 min
Lab File: BF093475.D
Acq: 9 Mar 2017 14:00

Tgt Ion:240 Resp: 429628
Ion Ratio Lower Upper
240 100
120 9.9 12.9 19.3#
236 26.2 20.9 31.3

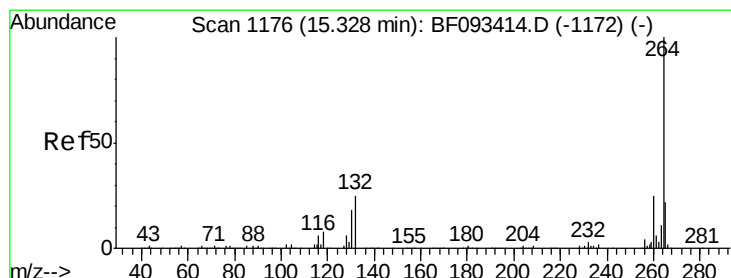
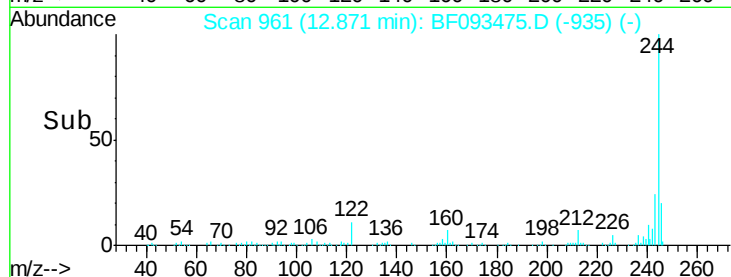
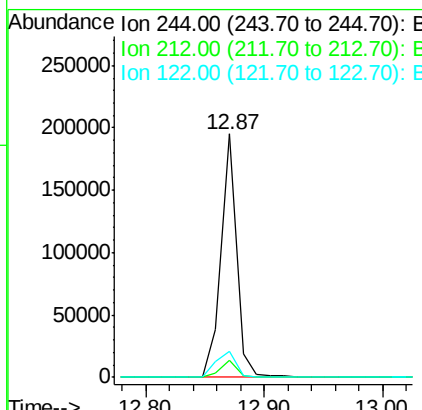
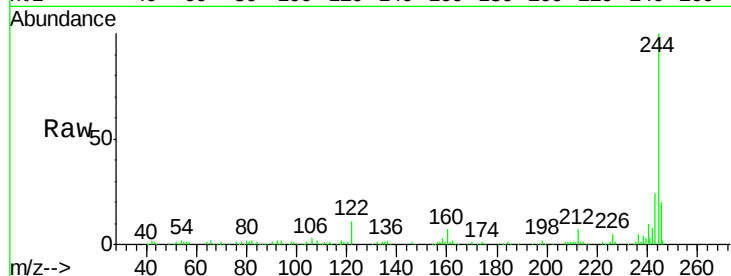




#78
 Terphenyl-d14
 Concen: 10.71 ng
 RT: 12.87 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF093475.D
 Acq: 9 Mar 2017 14:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 176951
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 10.7 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1178
 Delta R.T. 0.02 min
 Lab File: BF093475.D
 Acq: 9 Mar 2017 14:00

Tgt Ion:264 Resp: 331578
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 20.6 17.4 26.0

