

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010617\
 Data File : BF092129.D
 Acq On : 6 Jan 2017 20:55
 Operator : UM/SJ
 Sample : I1045-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP1

Quant Time: Jan 06 22:16:35 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

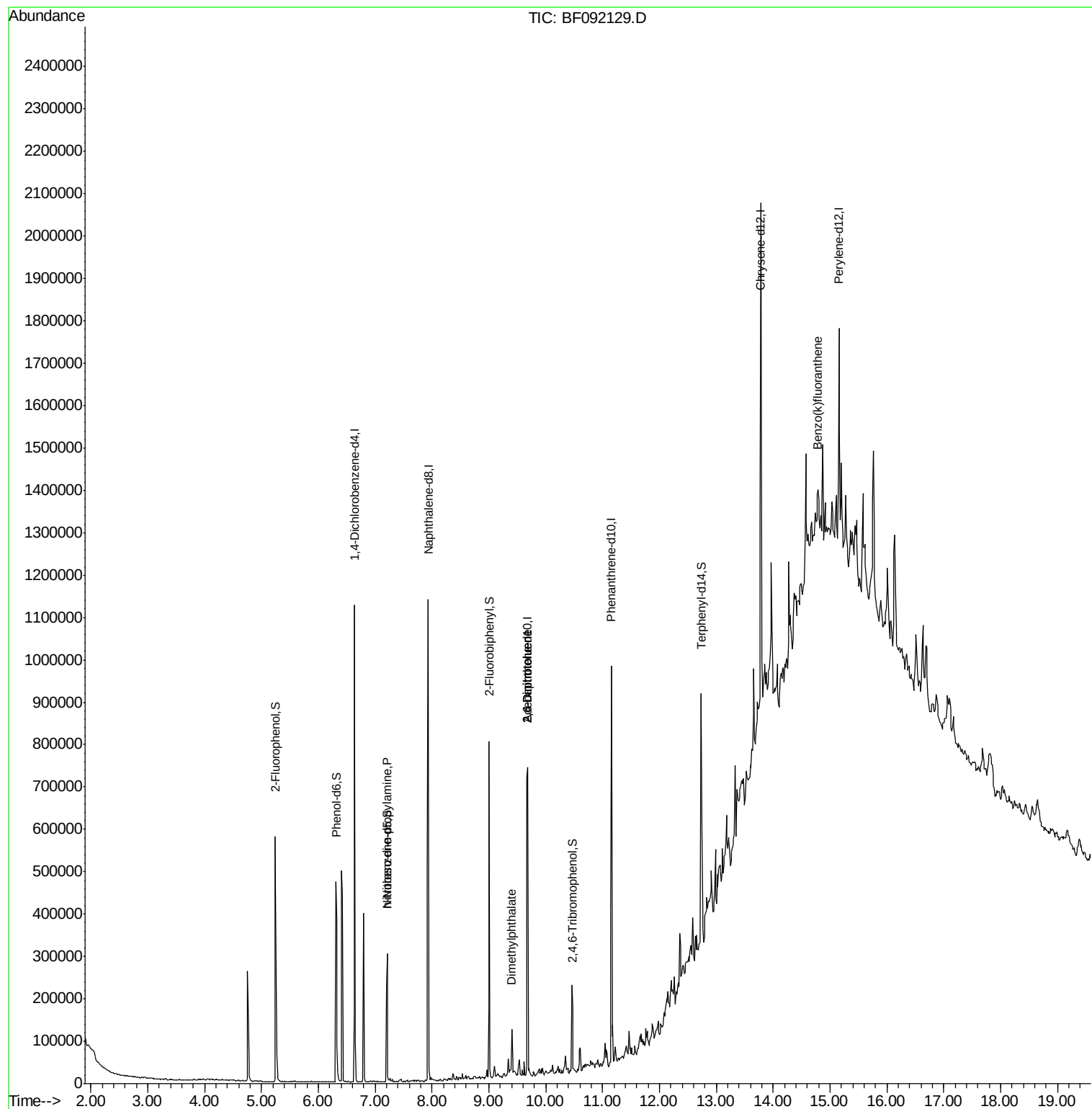
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	162809	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	574065	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	231192	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	368060	20.00	ng	0.00
75) Chrysene-d12	13.79	240	441930	20.00	ng	0.00
86) Perylene-d12	15.16	264	255069	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	205318	21.06	ng	0.01
7) Phenol-d6	6.31	99	238730	20.05	ng	0.00
23) Nitrobenzene-d5	7.21	82	138114	13.38	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	29630	15.49	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	242344	10.11	ng	0.00
78) Terphenyl-d14	12.73	244	202902	11.14	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.32	77	216	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.21	70	17644	2.23 ng	#	73
37) 2-Methylnaphthalene	8.64	142	2354	Below Cal		98
49) Dimethylphthalate	9.41	163	35879	2.43 ng		99
50) 2,6-Dinitrotoluene	9.68	165	30580	9.45 ng	#	30
56) 2,4-Dinitrotoluene	9.68	165	30580	7.53 ng	#	19
71) Anthracene	11.22	178	9572	Below Cal		97
73) Di-n-butylphthalate	11.73	149	2041	Below Cal	#	76
74) Fluoranthene	12.36	202	60873	Below Cal		98
76) Benzidine	12.52	184	1146	Below Cal	#	1
88) Benzo(k)fluoranthene	14.78	252	27526	2.03 ng	#	1

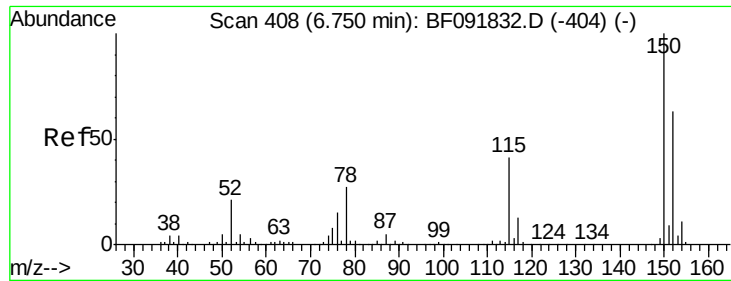
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

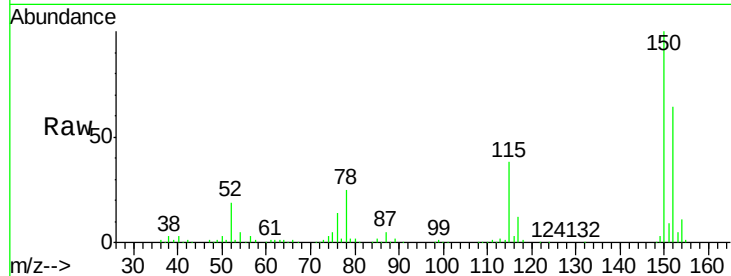
Tgt Ion:152 Resp: 162809

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

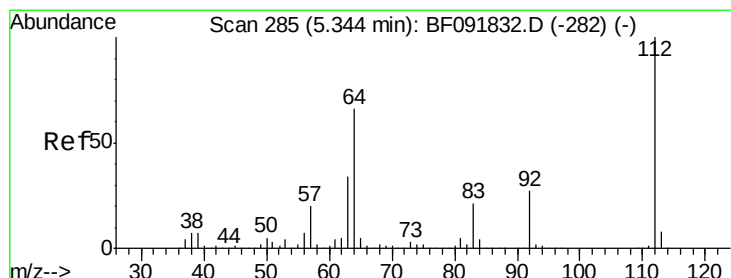
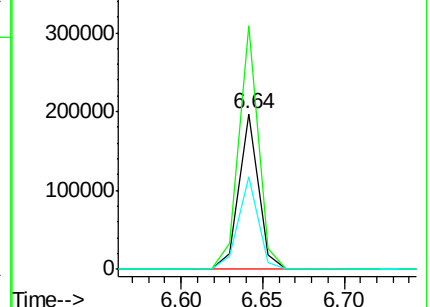
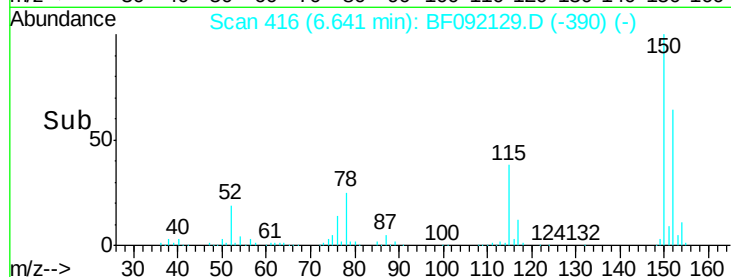
115 59.6 46.0 69.0



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: 21.06 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

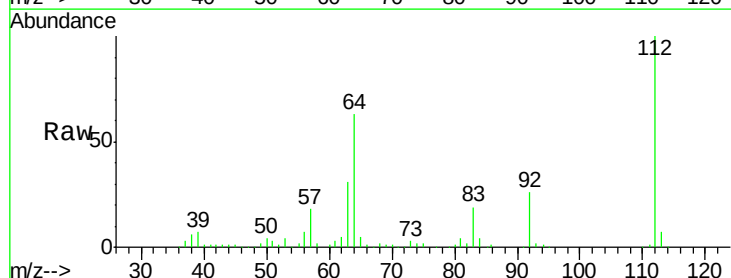
Tgt Ion:112 Resp: 205318

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

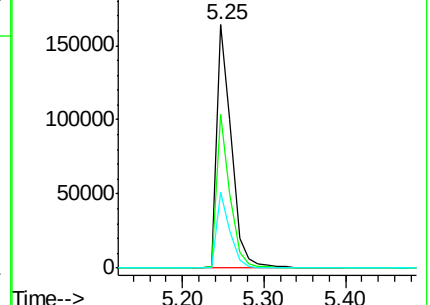
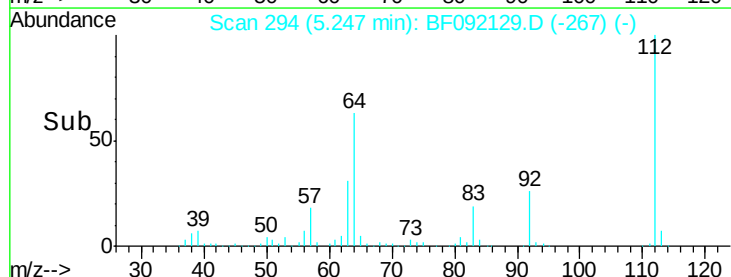
63 31.4 23.8 35.6

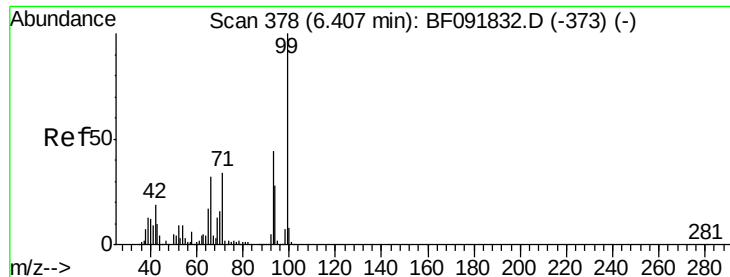


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.05 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

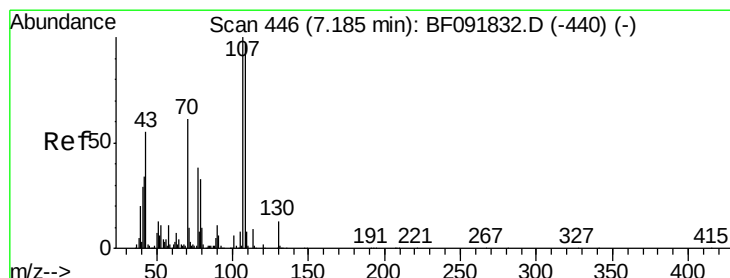
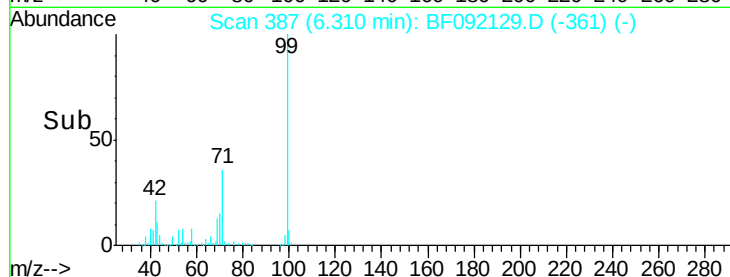
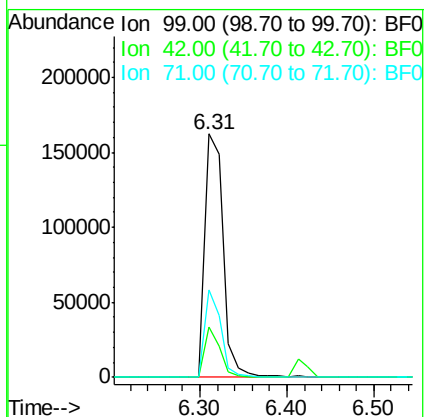
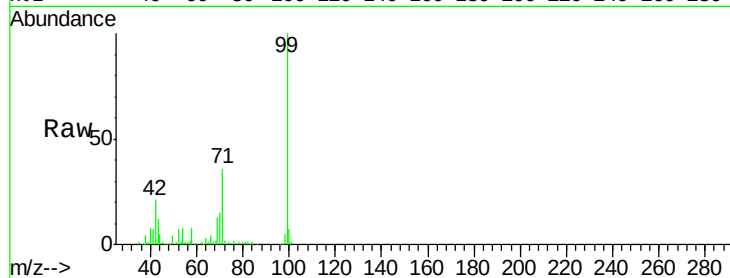
Tgt Ion: 99 Resp: 238730

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

71 35.8 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.23 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Tgt Ion: 70 Resp: 17644

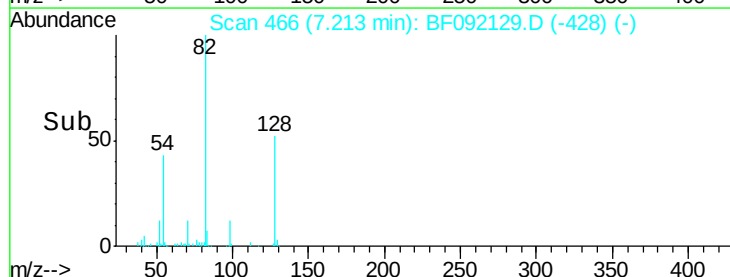
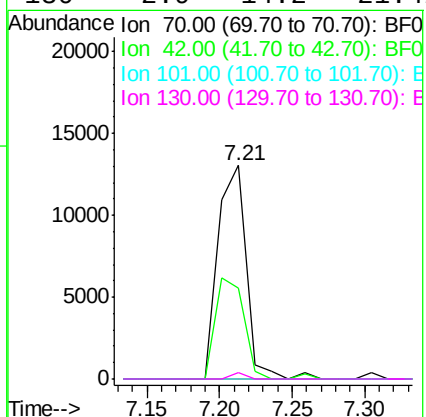
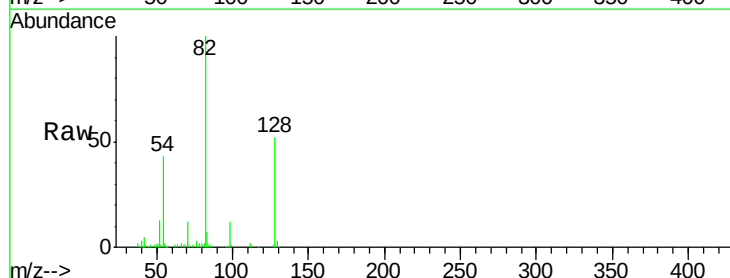
Ion Ratio Lower Upper

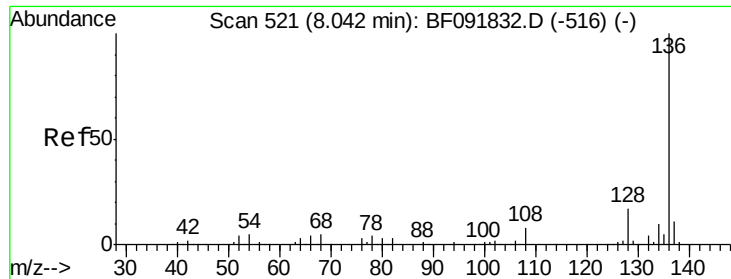
70 100

42 42.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.9 14.2 21.4#

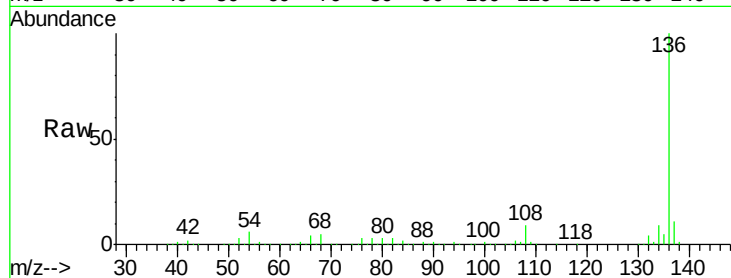




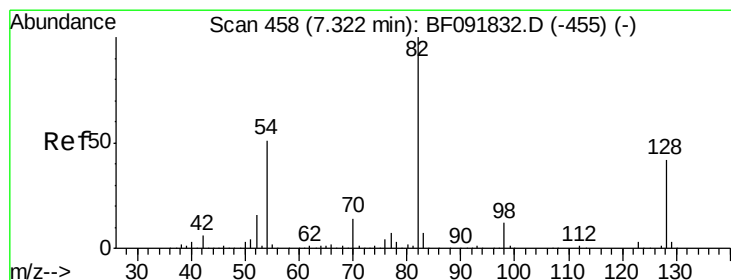
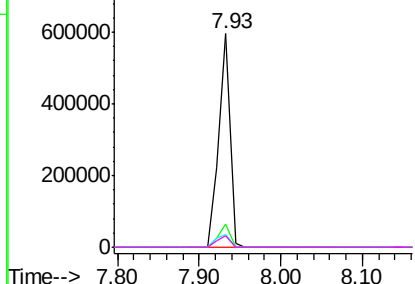
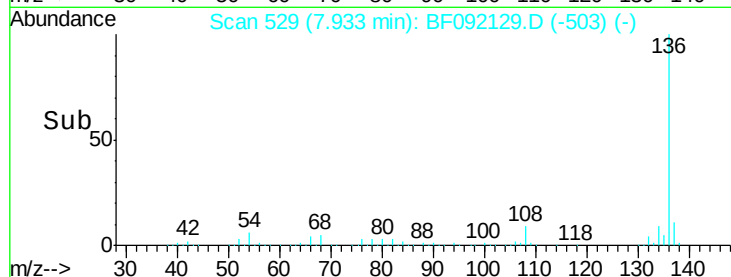
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

Instrument :
BNA_F
ClientSampleId :
RAP-SP1

Tgt Ion: 136 Resp: 574065
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 6.1 4.5 6.7
68 5.4 3.6 5.4

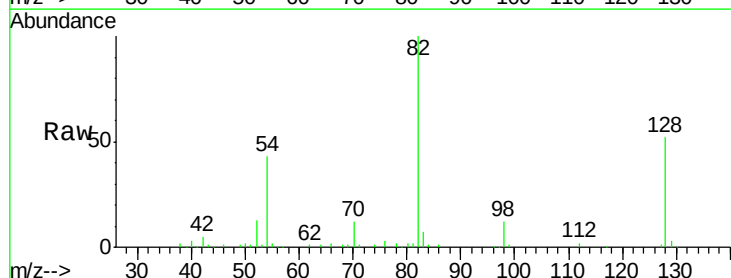


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

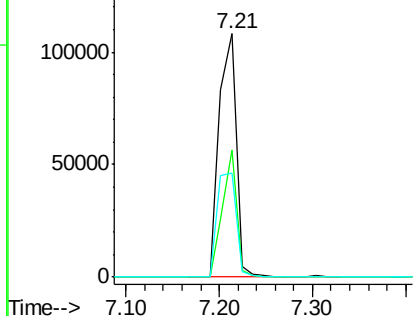
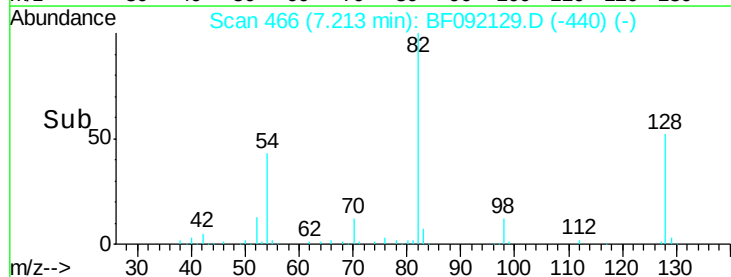


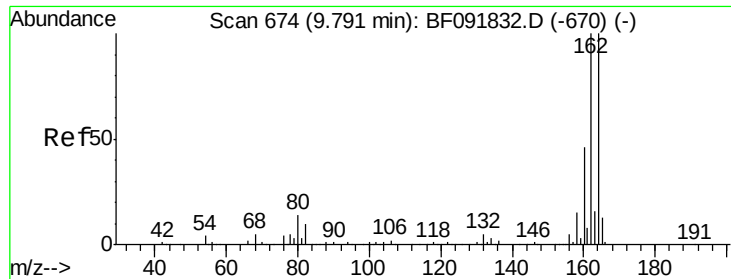
#23
Nitrobenzene-d5
Concen: 13.38 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

Tgt Ion: 82 Resp: 138114
Ion Ratio Lower Upper
82 100
128 52.0 34.6 52.0#
54 42.6 39.5 59.3



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: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

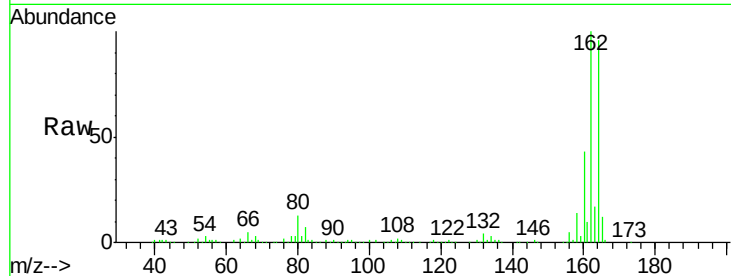
Tgt Ion:164 Resp: 231192

Ion Ratio Lower Upper

164 100

162 104.0 80.2 120.2

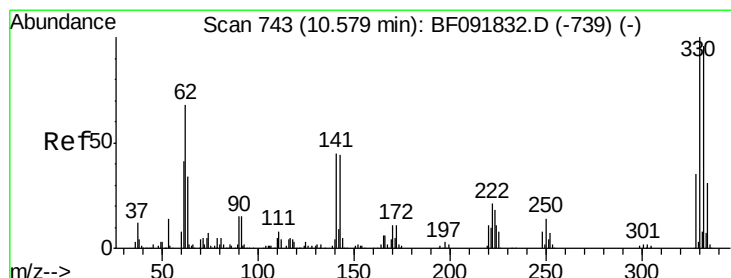
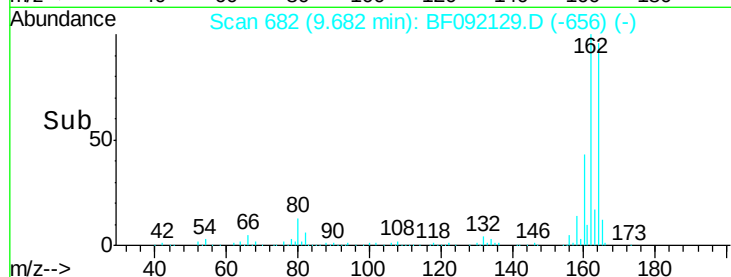
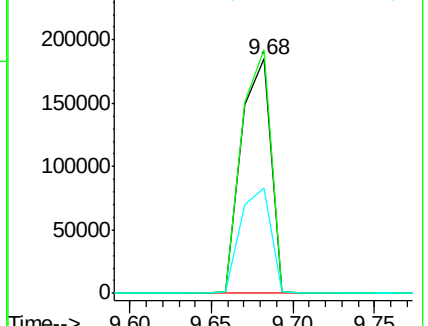
160 45.0 36.9 55.3



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: 15.49 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

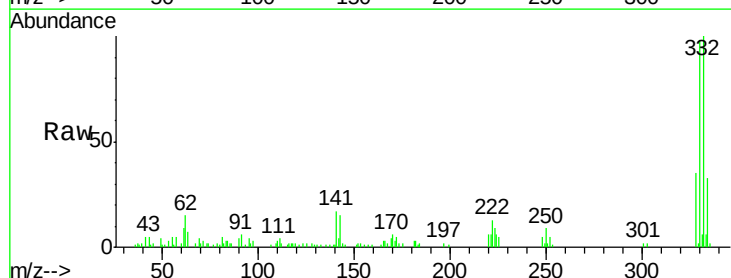
Tgt Ion:330 Resp: 29630

Ion Ratio Lower Upper

330 100

332 100.3 77.4 116.2

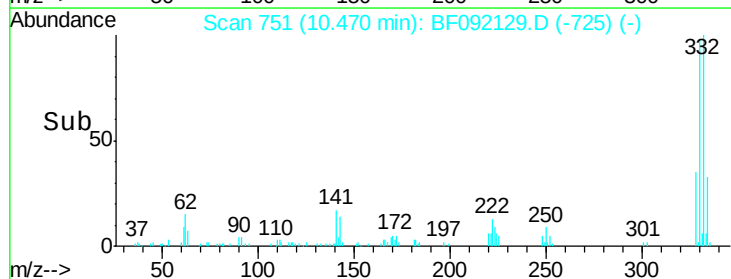
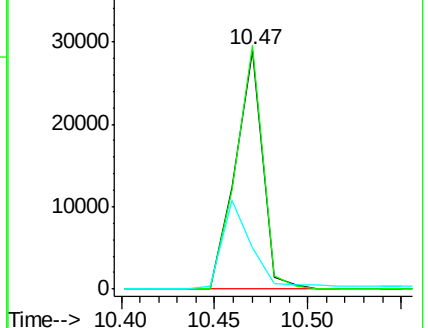
141 43.3 34.1 51.1

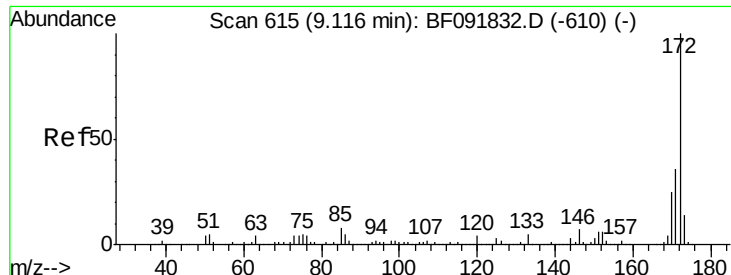


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

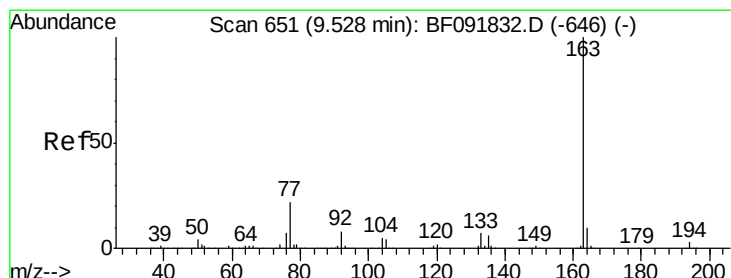
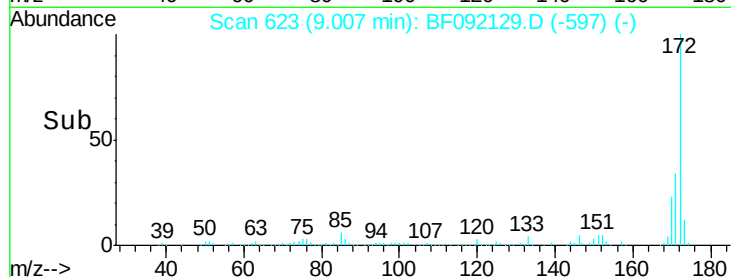
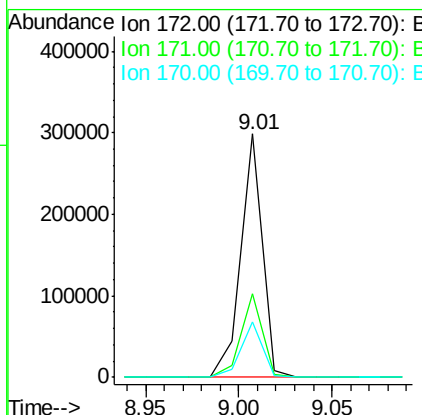
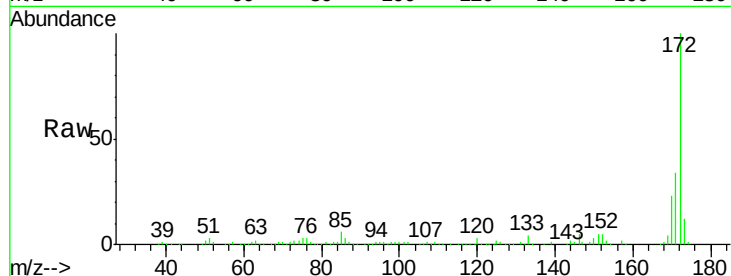




#44
2-Fluorobiphenyl
Concen: 10.11 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

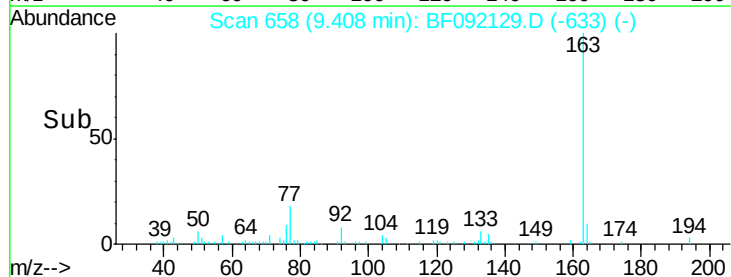
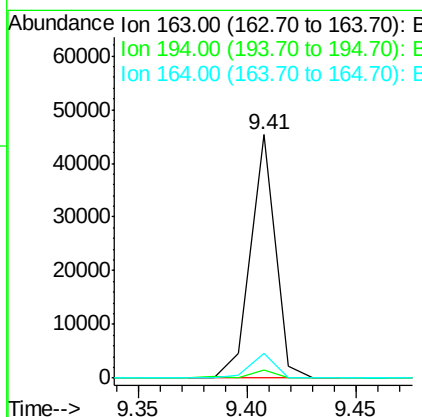
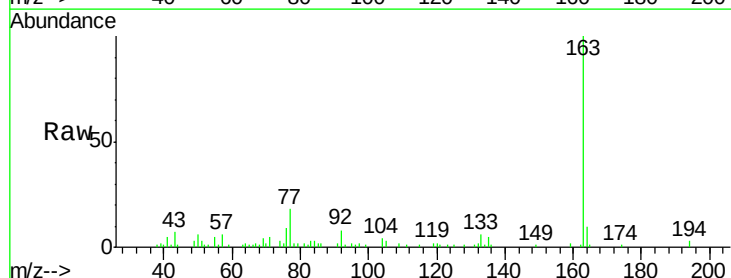
Instrument :
BNA_F
ClientSampleId :
RAP-SP1

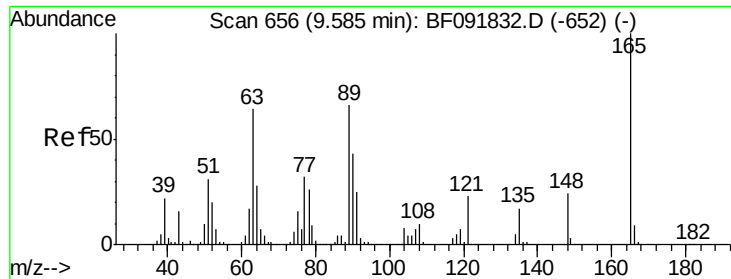
Tgt Ion:172 Resp: 242344
Ion Ratio Lower Upper
172 100
171 34.3 29.4 44.0
170 22.5 20.2 30.4



#49
Dimethylphthalate
Concen: 2.43 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

Tgt Ion:163 Resp: 35879
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.3 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 9.45 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.21 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

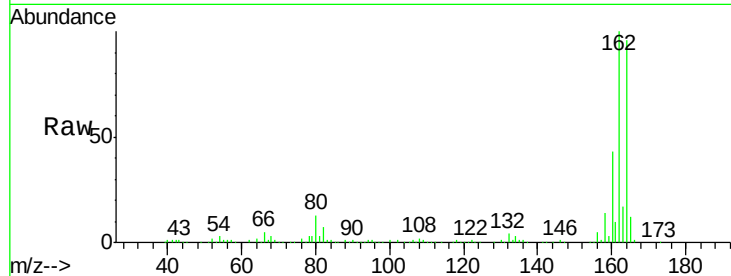
Tgt Ion:165 Resp: 30580

Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.4#

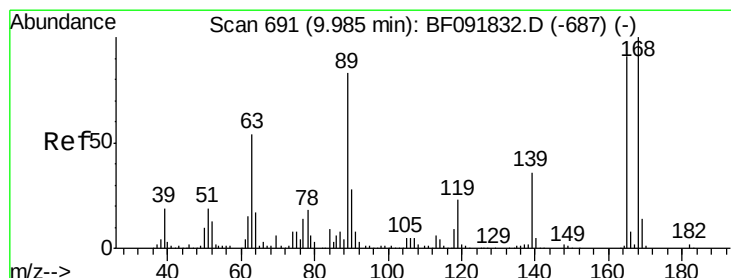
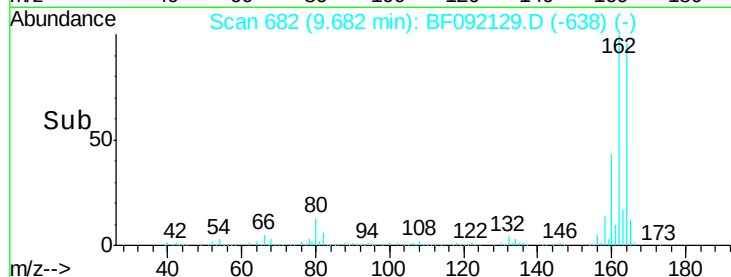
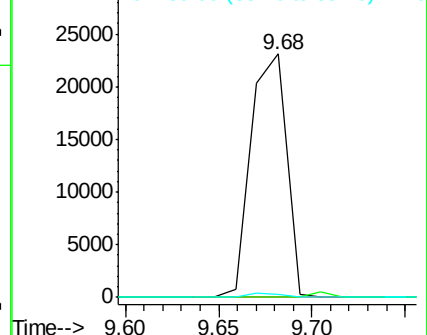
89 1.4 40.2 60.4#



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: 7.53 ng

RT: 9.68 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Tgt Ion:165 Resp: 30580

Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.4#

89 1.4 62.5 93.7#

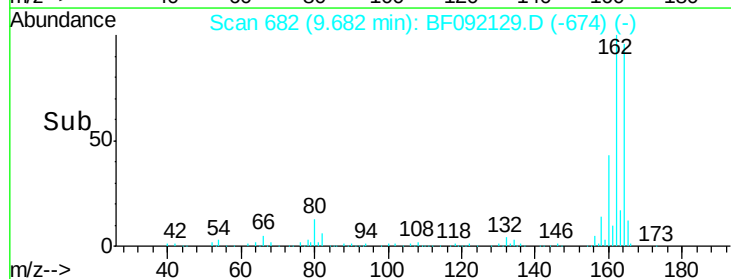
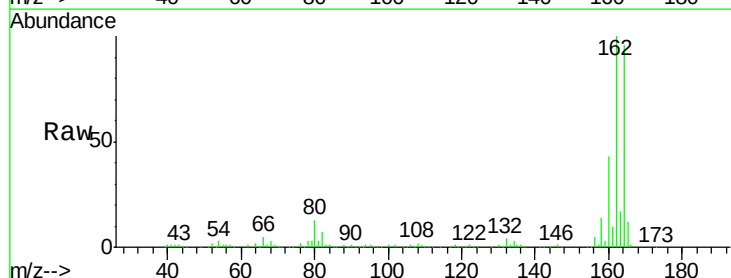
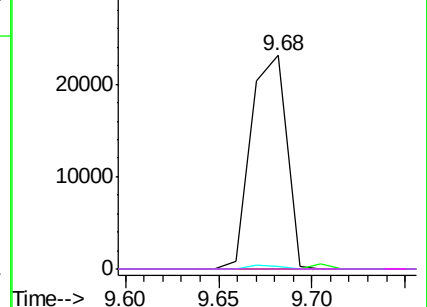
182 0.0 1.8 2.8#

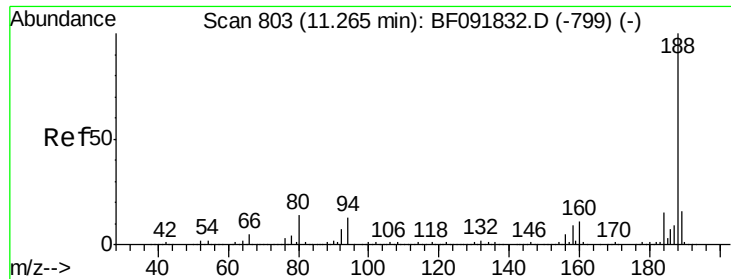
Abundance Ion 165.00 (164.70 to 165.70): E

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

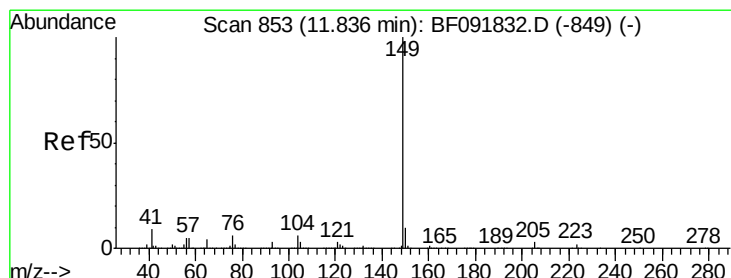
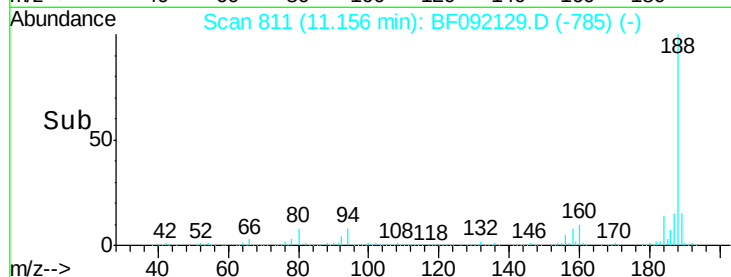
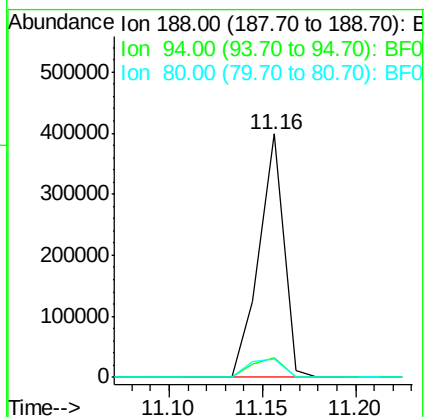
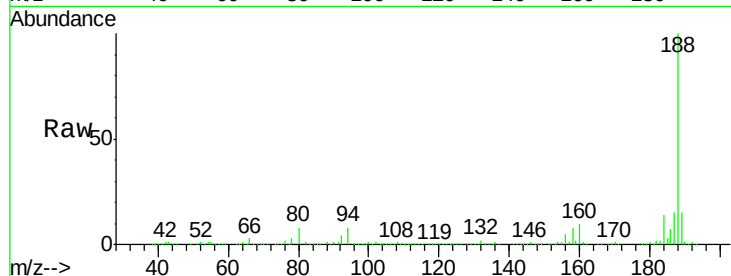




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

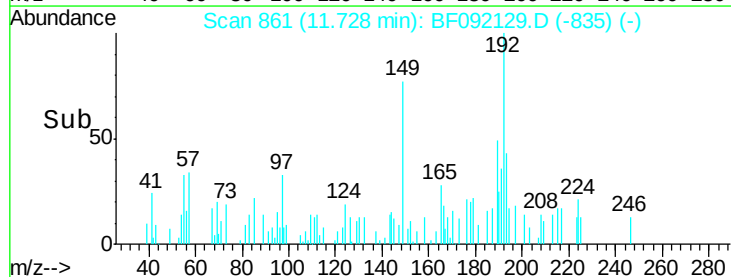
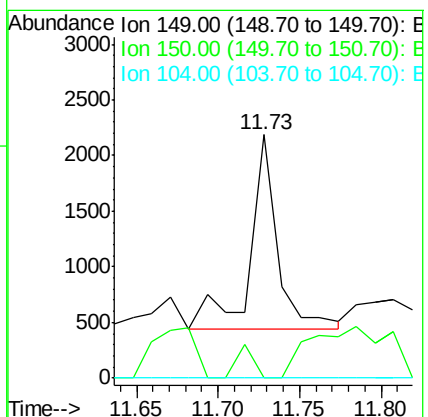
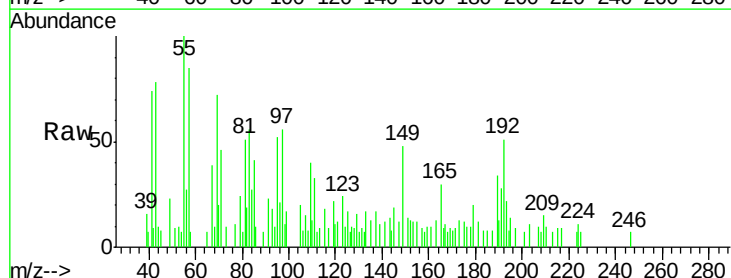
Instrument :
BNA_F
ClientSampled :
RAP-SP1

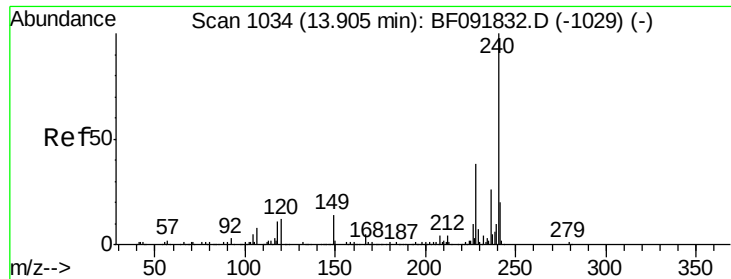
Tgt Ion:188 Resp: 368060
Ion Ratio Lower Upper
188 100
94 7.8 10.0 15.0#
80 7.7 11.2 16.8#



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.73 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF092129.D
Acq: 6 Jan 2017 20:55

Tgt Ion:149 Resp: 2041
Ion Ratio Lower Upper
149 100
150 0.0 8.1 12.1#
104 0.0 4.6 7.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

Instrument :

BNA_F

ClientSampleId :

RAP-SP1

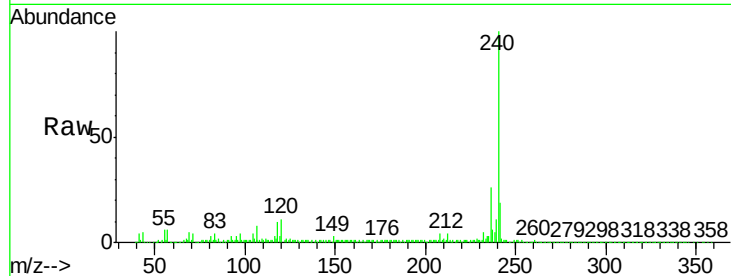
Tgt Ion:240 Resp: 441930

Ion Ratio Lower Upper

240 100

120 11.1 12.9 19.3#

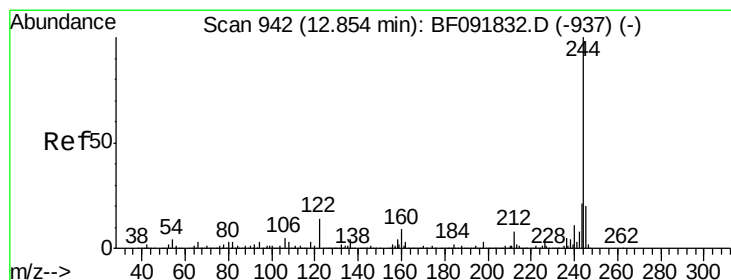
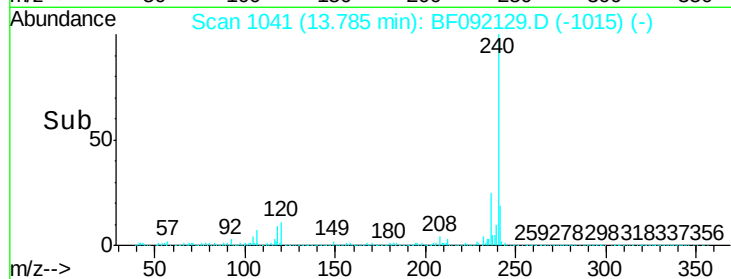
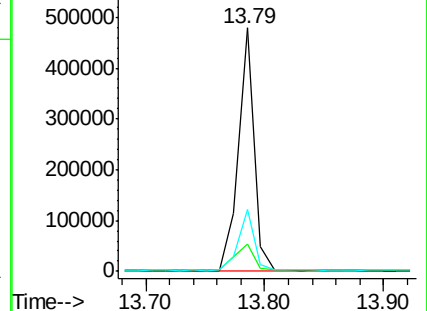
236 25.5 20.9 31.3



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: 11.14 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092129.D

Acq: 6 Jan 2017 20:55

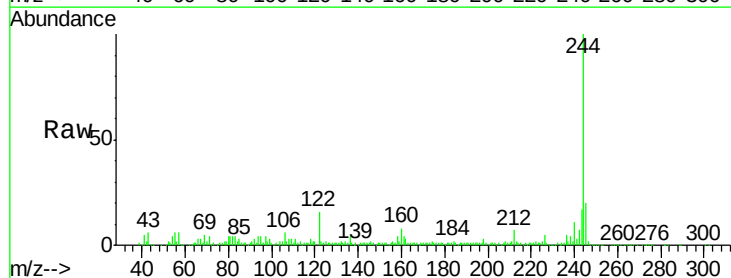
Tgt Ion:244 Resp: 202902

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

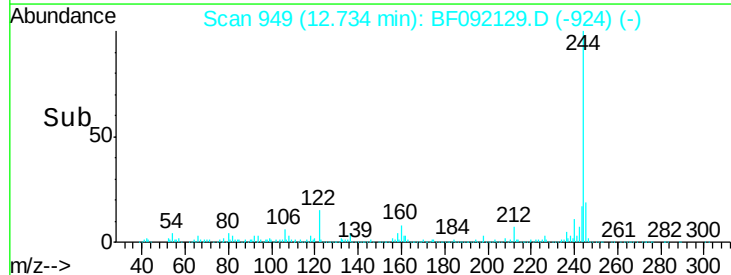
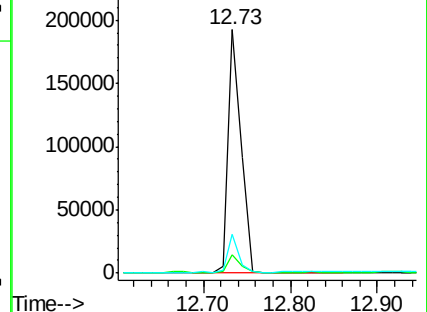
122 15.7 11.4 17.2

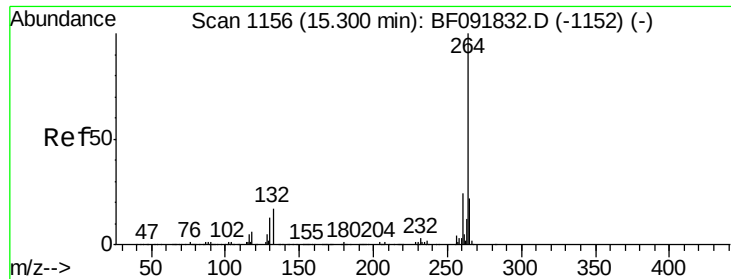


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

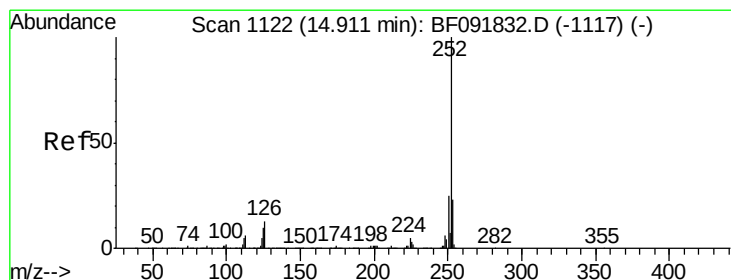
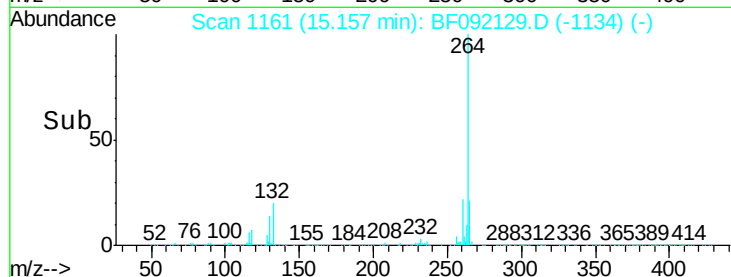
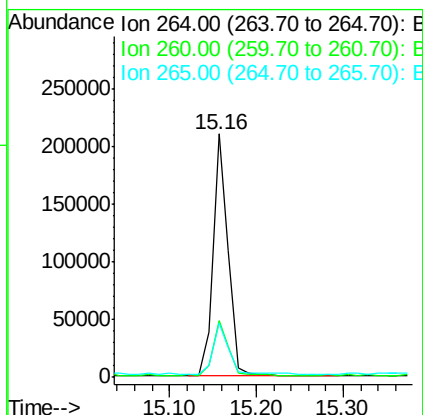
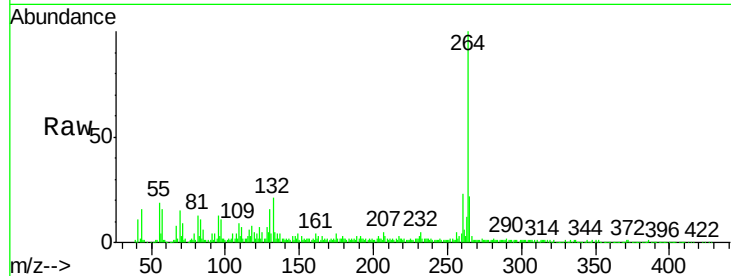




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.16 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BF092129.D
 Acq: 6 Jan 2017 20:55

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP1

Tgt Ion: 264 Resp: 255069
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.4 17.4 26.0



#88
 Benzo(k)fluoranthene
 Concen: 2.03 ng
 RT: 14.78 min Scan# 1128
 Delta R.T. -0.02 min
 Lab File: BF092129.D
 Acq: 6 Jan 2017 20:55

Tgt Ion: 252 Resp: 27526
 Ion Ratio Lower Upper
 252 100
 253 66.3 18.5 27.7#
 125 81.6 8.9 13.3#

