

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092164.D
 Acq On : 10 Jan 2017 3:17
 Operator : UM/SJ
 Sample : I1055-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-30

Quant Time: Jan 10 04:12:18 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	128423	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	465092	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	225998	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	352187	20.00	ng	0.00
75) Chrysene-d12	13.80	240	209131	20.00	ng	0.01
86) Perylene-d12	15.17	264	157129	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	465994	60.59	ng	0.01
7) Phenol-d6	6.32	99	406996	43.34	ng	0.01
23) Nitrobenzene-d5	7.21	82	691470	82.67	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	217988	116.55	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1094854	101.81	ng	0.00
78) Terphenyl-d14	12.75	244	921635	106.88	ng	0.00

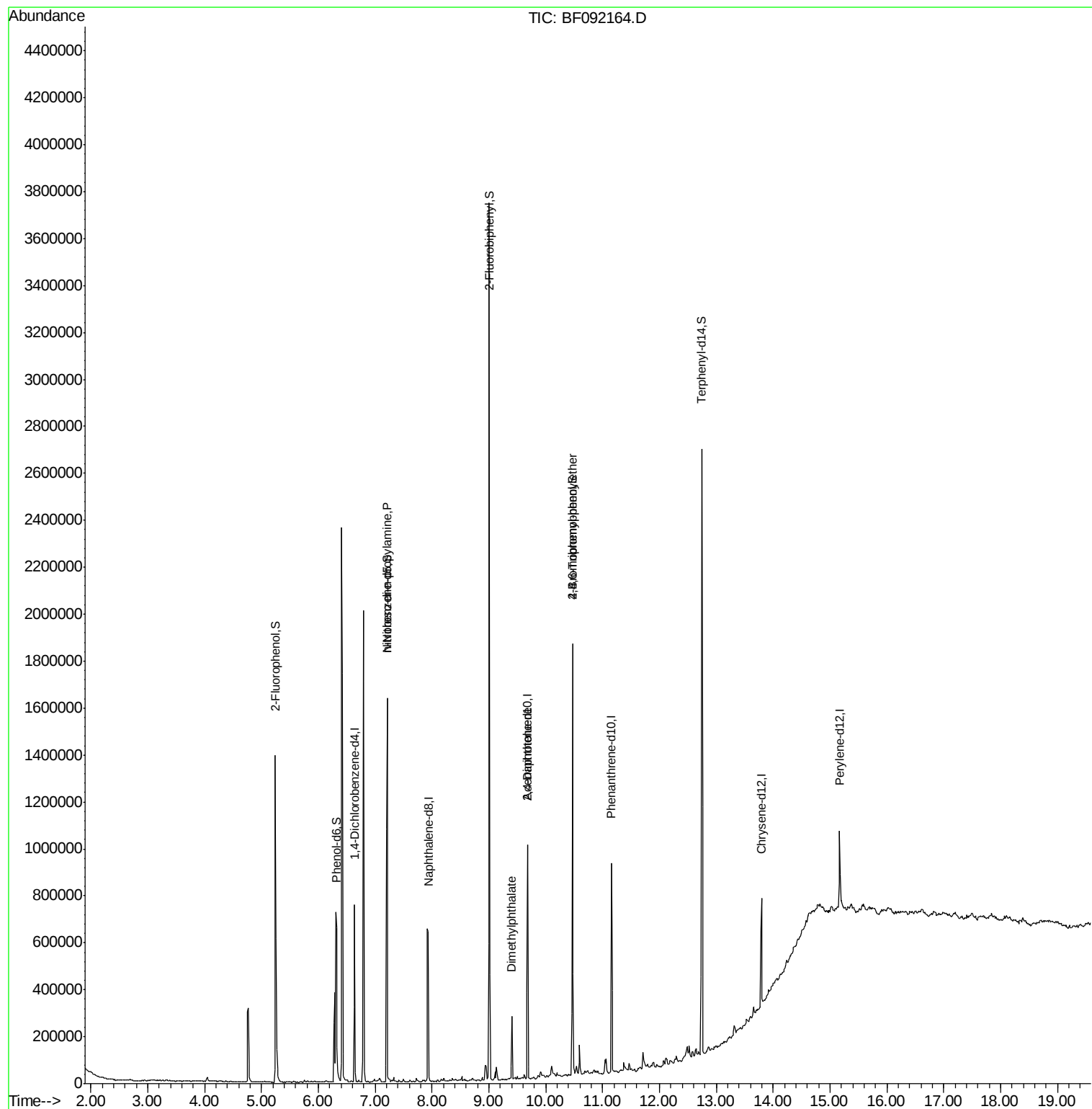
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	697	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.21	70	89938	14.40	ng	71
49) Dimethylphthalate	9.41	163	110110	7.62	ng	99
56) 2,4-Dinitrotoluene	9.68	165	29586	7.45	ng	20
66) 4-Bromophenyl-phenylether	10.47	248	13481	3.68	ng	1
71) Anthracene	11.24	178	614	Below Cal	#	37
73) Di-n-butylphthalate	11.73	149	4580	Below Cal	#	76
74) Fluoranthene	12.37	202	2483	Below Cal	#	60
76) Benzydine	12.52	184	664	Below Cal	#	1

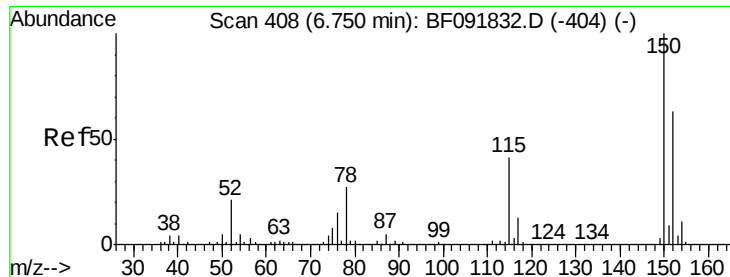
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

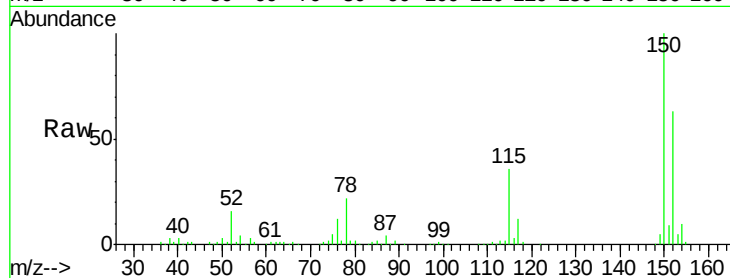
Tgt Ion:152 Resp: 128423

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

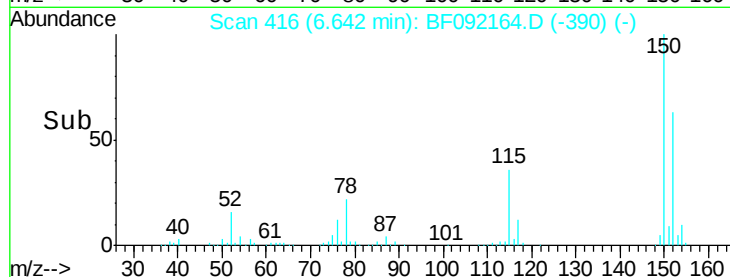
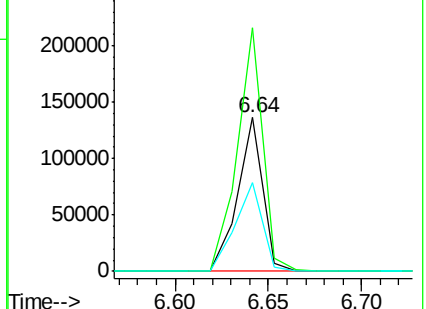
115 57.6 46.0 69.0



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: 60.59 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

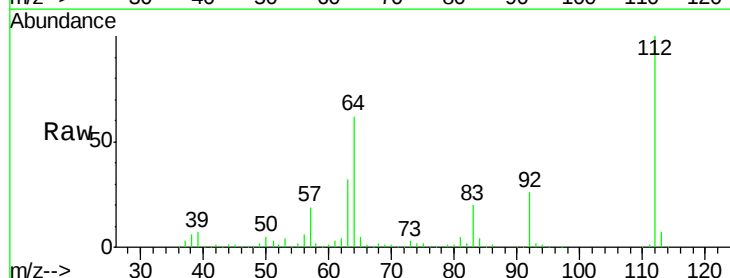
Tgt Ion:112 Resp: 465994

Ion Ratio Lower Upper

112 100

64 62.1 46.1 69.1

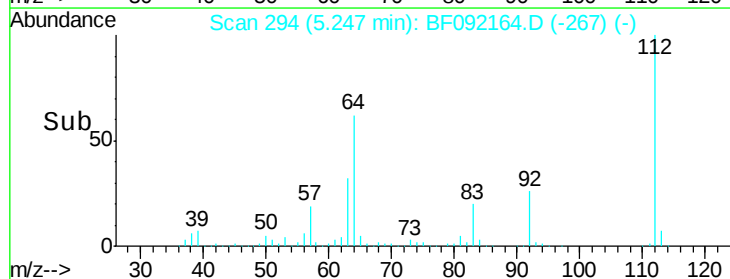
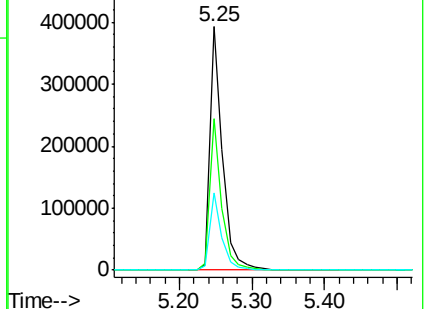
63 31.8 23.8 35.6



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: 43.34 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

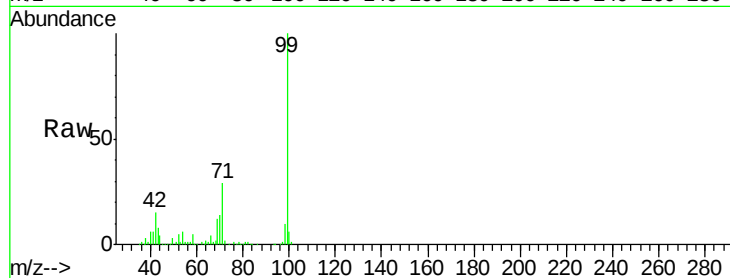
Tgt Ion: 99 Resp: 406996

Ion Ratio Lower Upper

99 100

42 15.0 15.6 23.4#

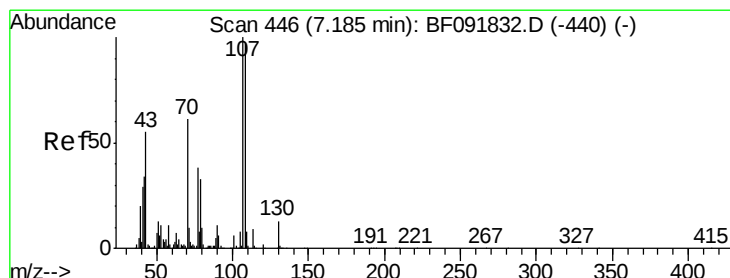
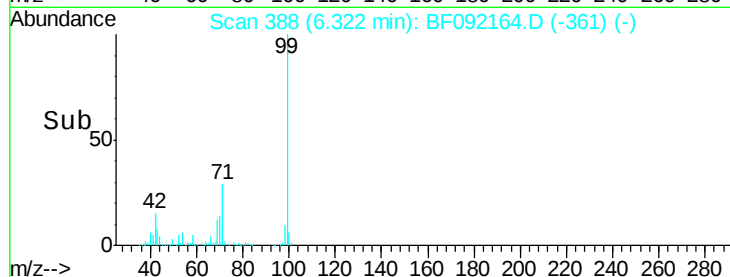
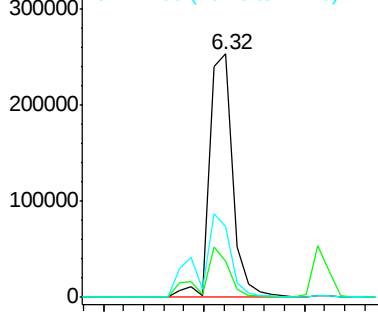
71 29.2 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.40 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

Tgt Ion: 70 Resp: 89938

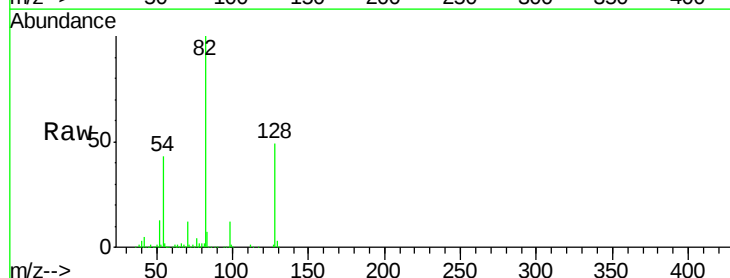
Ion Ratio Lower Upper

70 100

42 40.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#

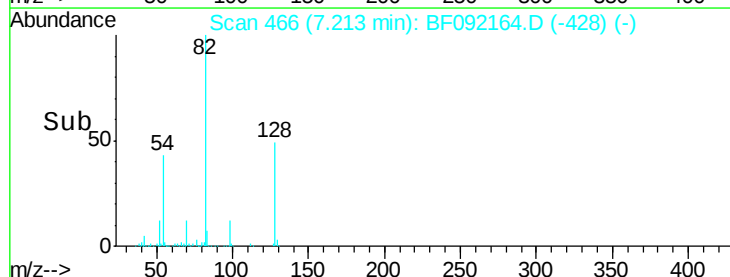
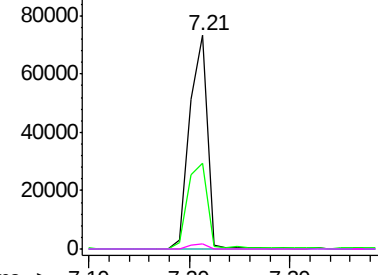


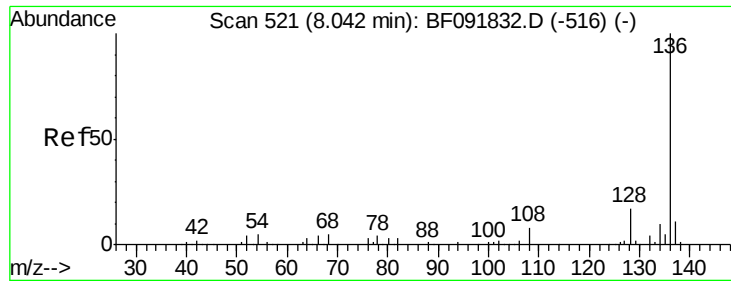
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

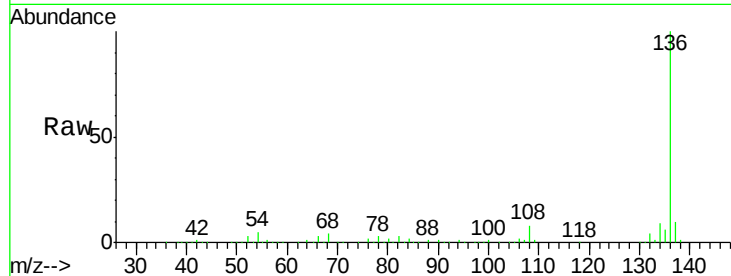




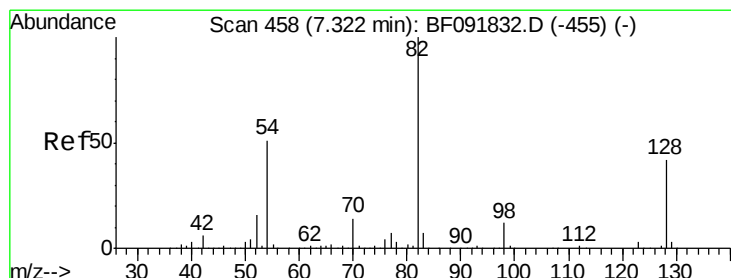
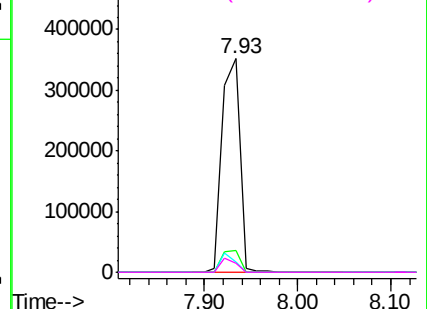
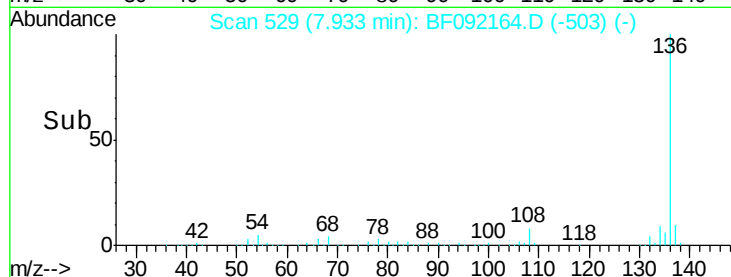
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF092164.D
Acq: 10 Jan 2017 3:17

Instrument :
BNA_F
ClientSampleId :
W-30

Tgt Ion:	136	Resp:	465092
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	4.8	4.5	6.7
68	4.4	3.6	5.4

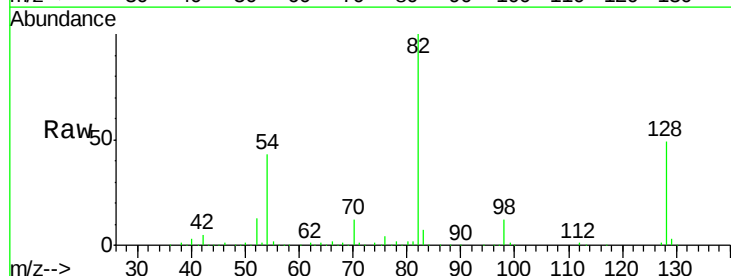


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

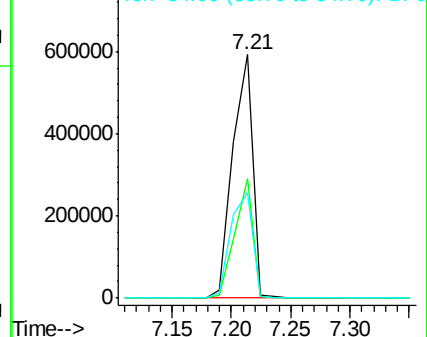
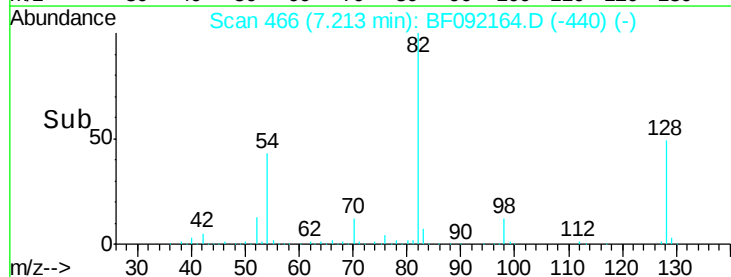


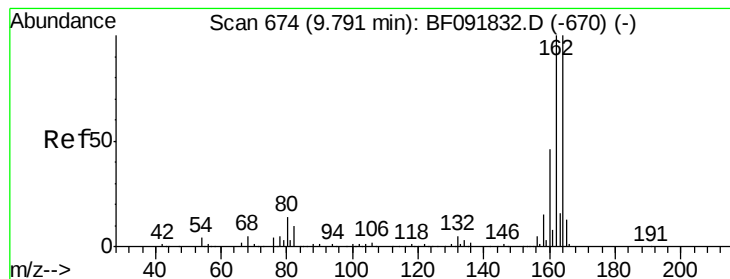
#23
Nitrobenzene-d5
Concen: 82.67 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF092164.D
Acq: 10 Jan 2017 3:17

Tgt Ion:	82	Resp:	691470
Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.6	52.0
54	43.4	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
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: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

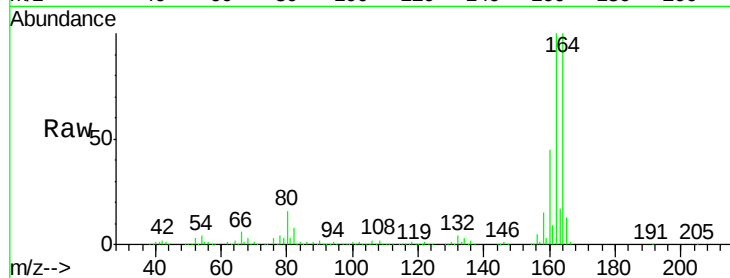
Tgt Ion:164 Resp: 225998

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.2

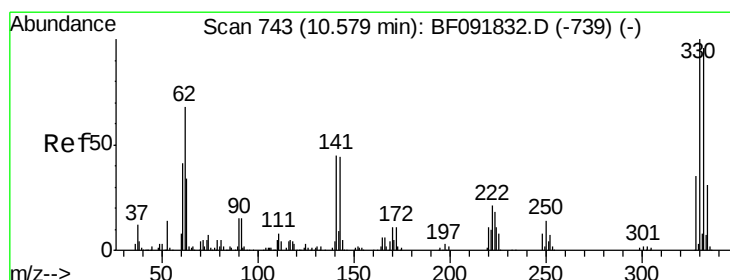
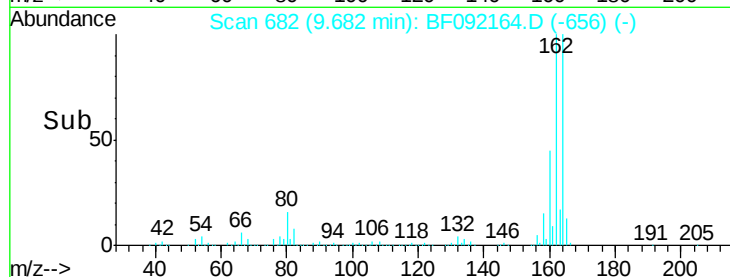
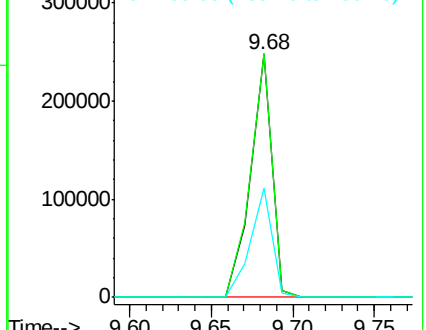
160 44.9 36.9 55.3



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: 116.55 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

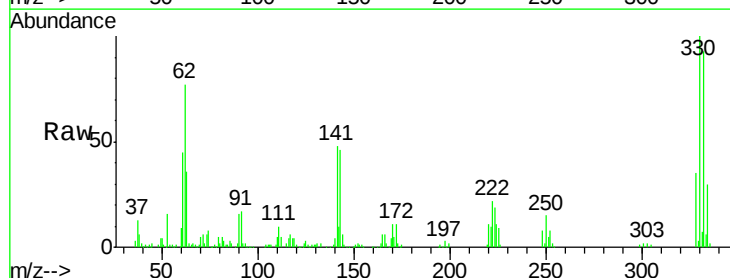
Tgt Ion:330 Resp: 217988

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

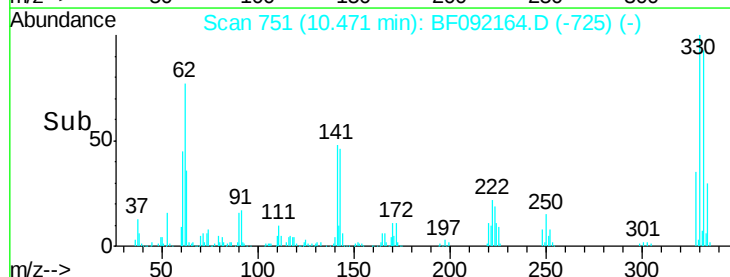
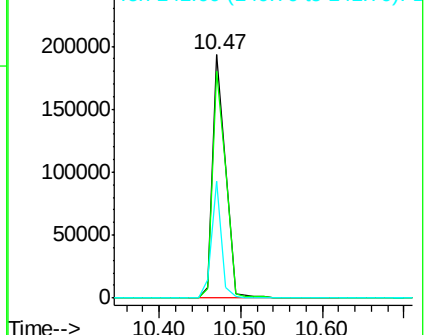
141 38.0 34.1 51.1

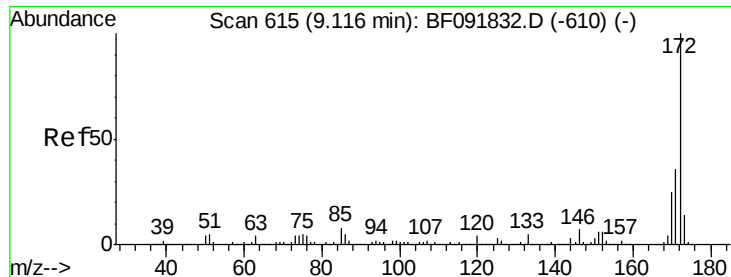


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

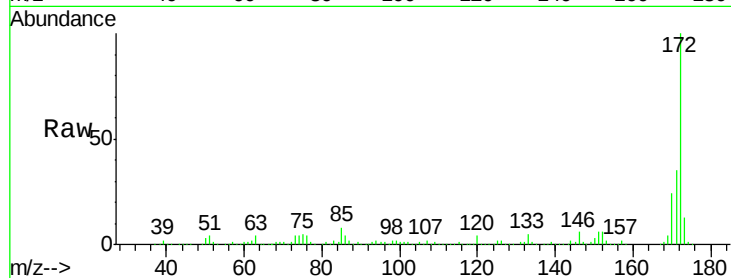




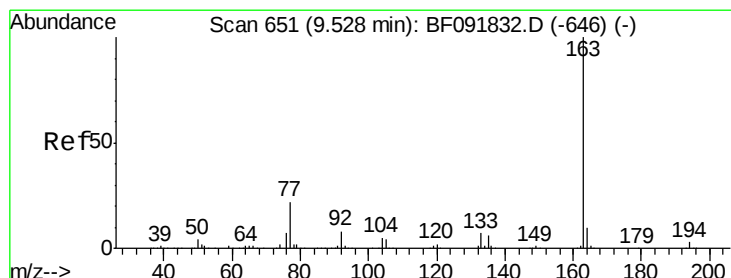
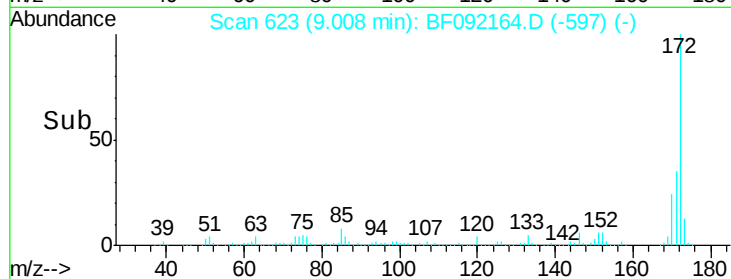
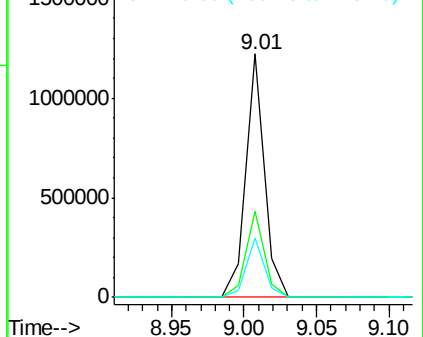
#44
 2-Fluorobiphenyl
 Concen: 101.81 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092164.D
 Acq: 10 Jan 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :
 W-30

Tgt Ion:172 Resp: 1094854
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 24.2 20.2 30.4

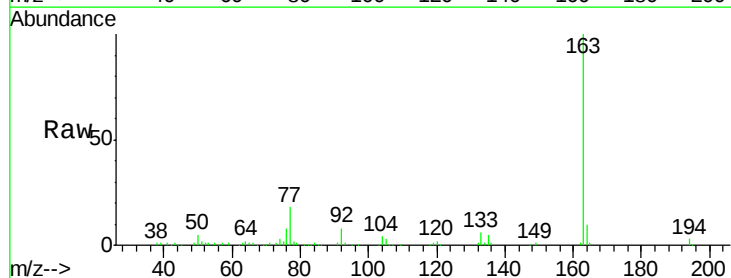


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

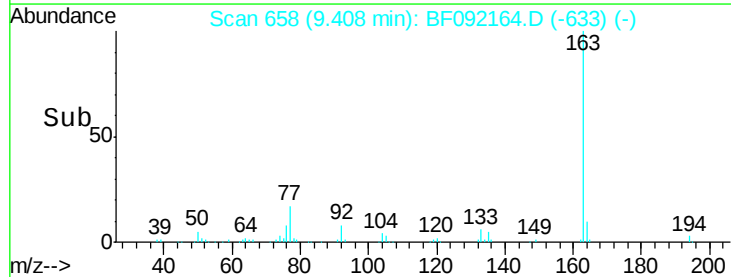
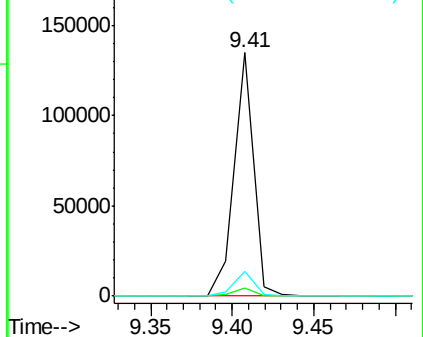


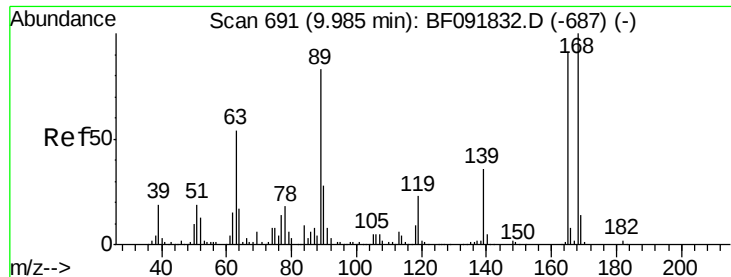
#49
 Dimethylphthalate
 Concen: 7.62 ng
 RT: 9.41 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF092164.D
 Acq: 10 Jan 2017 3:17

Tgt Ion:163 Resp: 110110
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 10.1 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

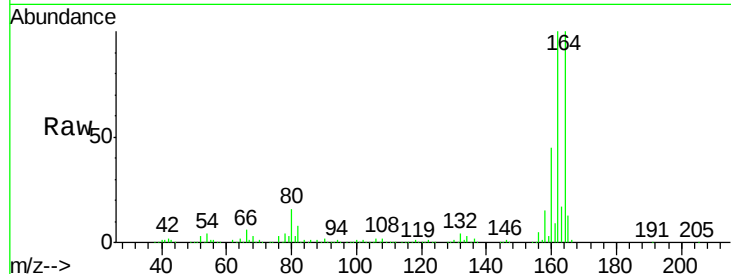




#56
 2,4-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.68 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF092164.D
 Acq: 10 Jan 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :
 W-30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

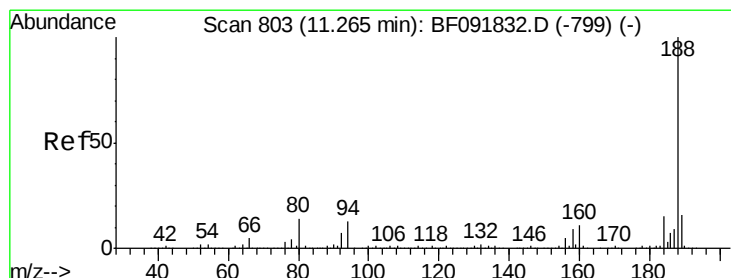
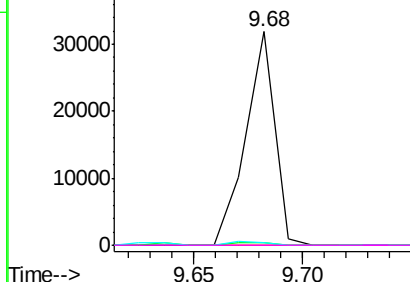
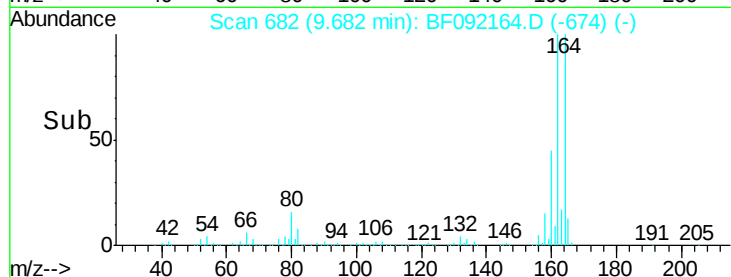


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

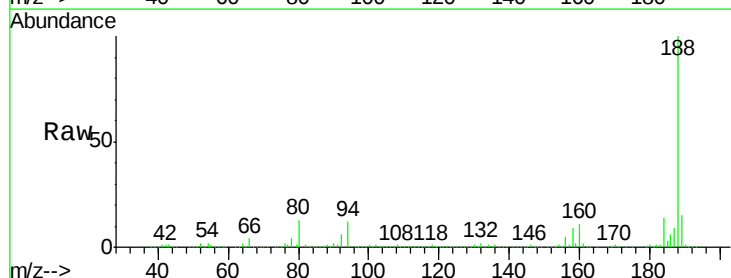
Ion 89.00 (88.70 to 89.70): BF0

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: BF092164.D
 Acq: 10 Jan 2017 3:17

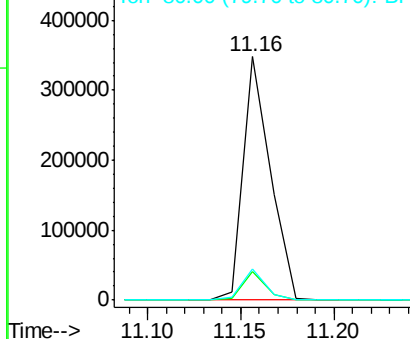
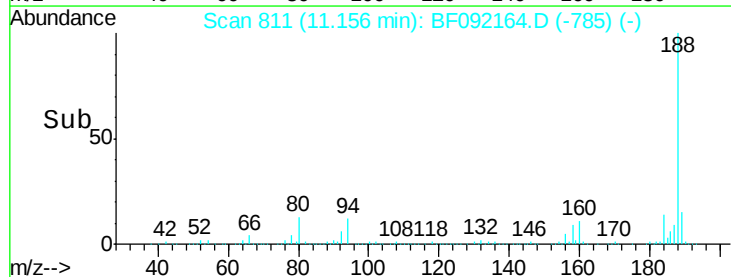
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	10.0	15.0
80	13.1	11.2	16.8

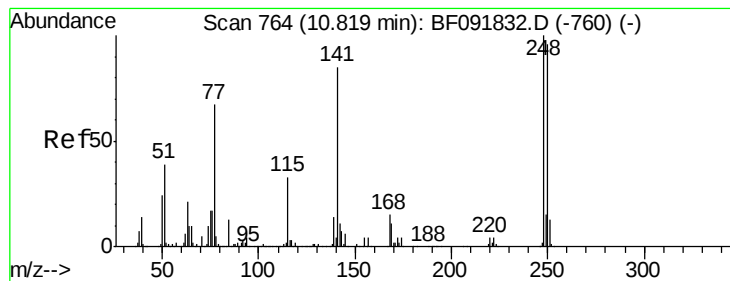


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.68 ng

RT: 10.47 min Scan# 751

Delta R.T. -0.24 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

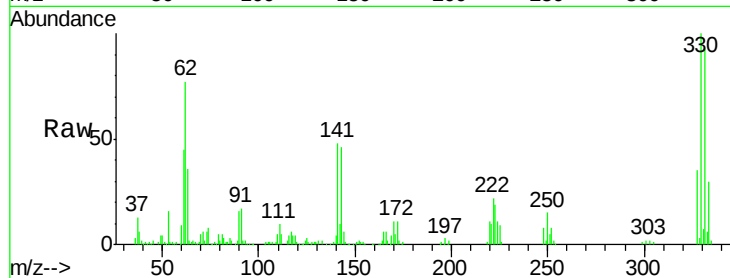
Tgt Ion:248 Resp: 13481

Ion Ratio Lower Upper

248 100

250 191.8 76.9 115.3#

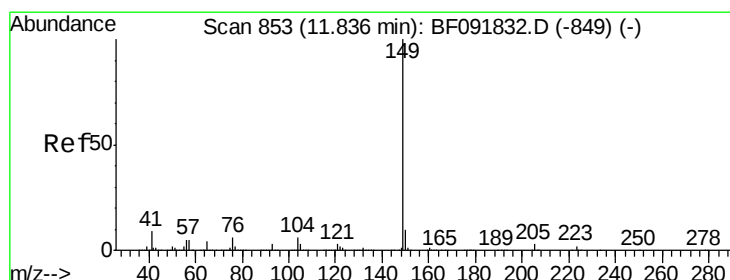
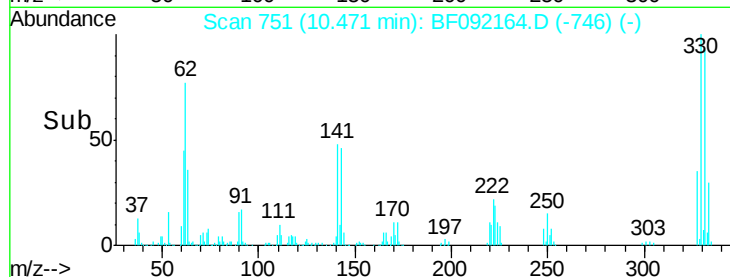
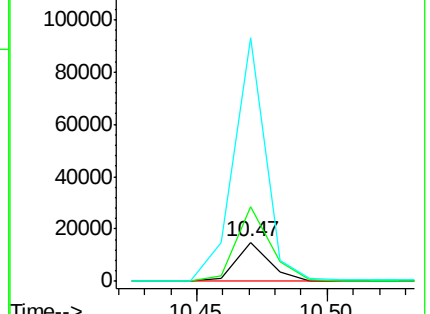
141 624.0 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

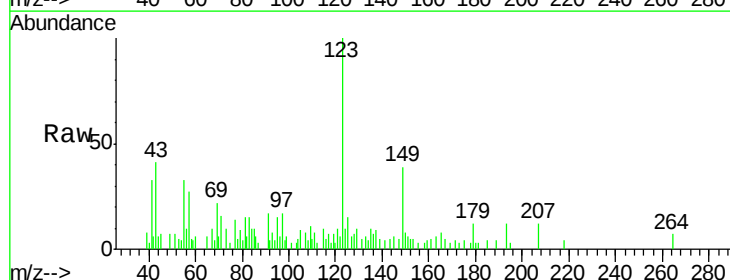
Tgt Ion:149 Resp: 4580

Ion Ratio Lower Upper

149 100

150 19.6 8.1 12.1#

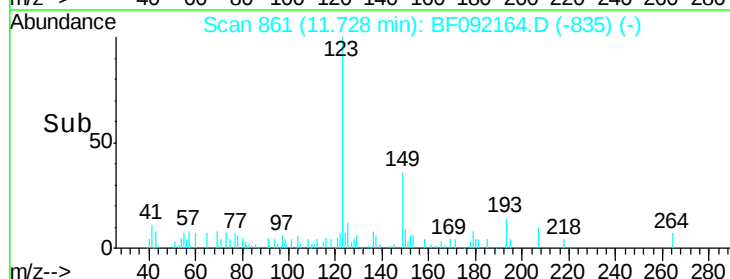
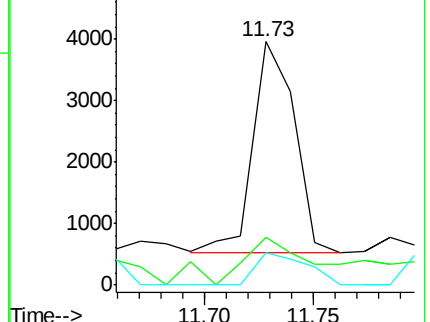
104 13.2 4.6 7.0#

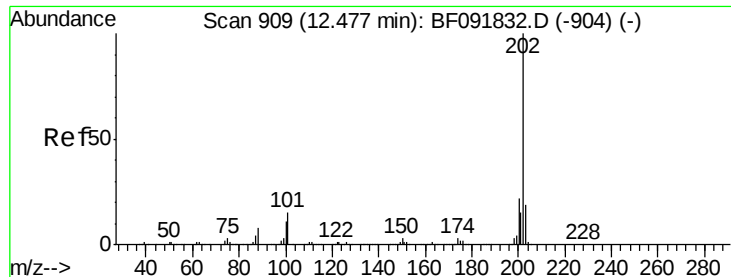


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

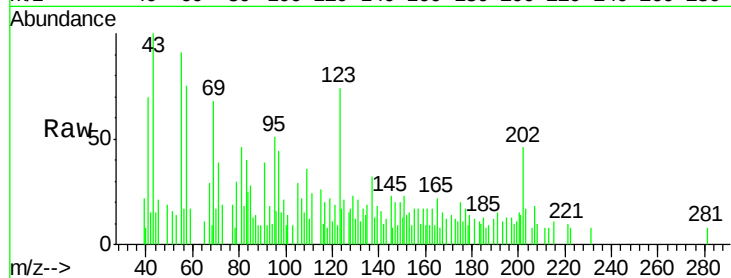
Tgt Ion:202 Resp: 2483

Ion Ratio Lower Upper

202 100

101 30.7 0.0 34.6

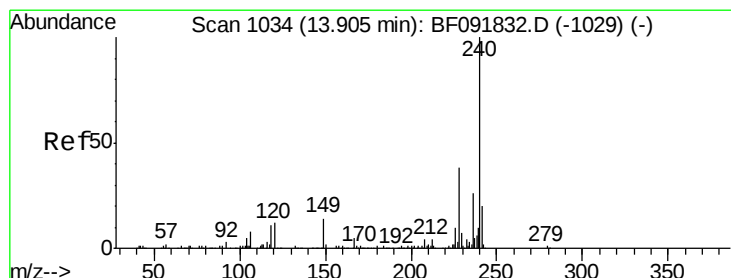
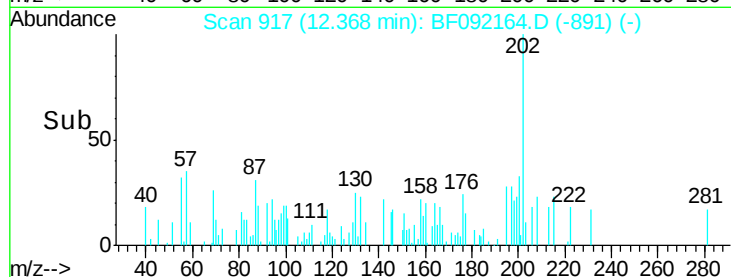
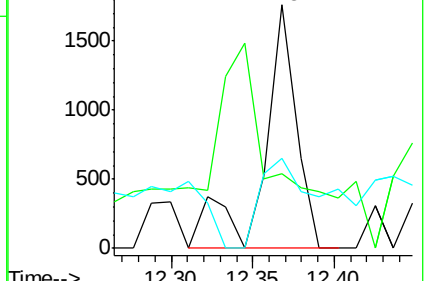
203 37.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

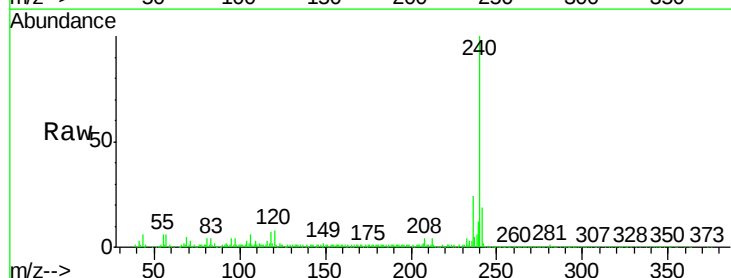
Tgt Ion:240 Resp: 209131

Ion Ratio Lower Upper

240 100

120 8.2 12.9 19.3#

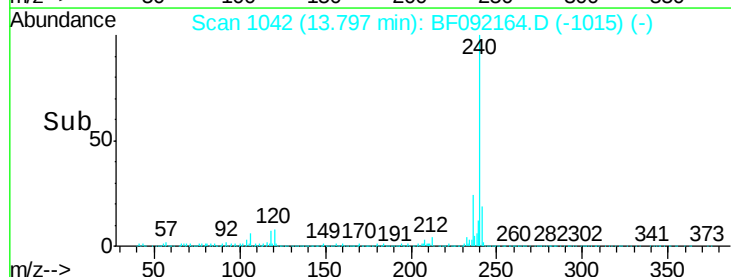
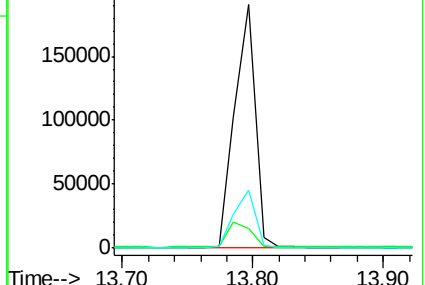
236 23.9 20.9 31.3

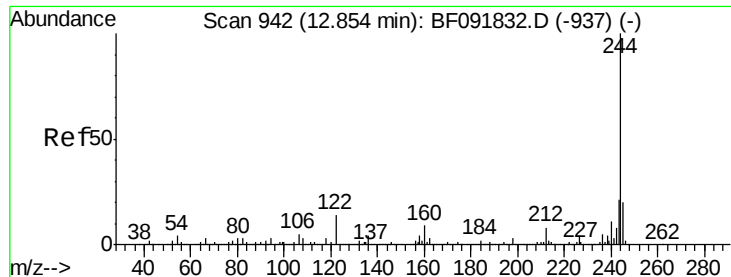


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 106.88 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

Instrument :

BNA_F

ClientSampleId :

W-30

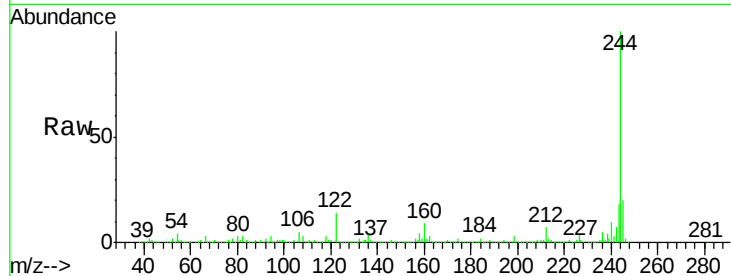
Tgt Ion:244 Resp: 921635

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

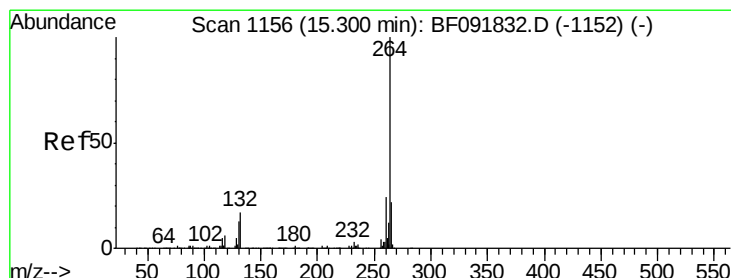
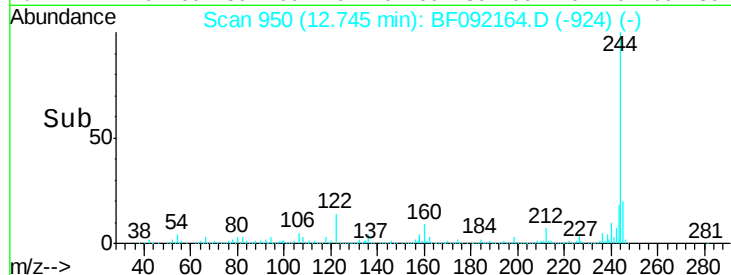
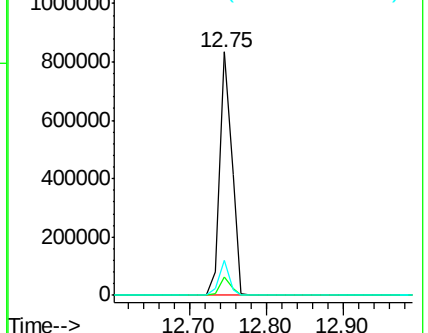
122 14.2 11.4 17.2



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: 15.17 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BF092164.D

Acq: 10 Jan 2017 3:17

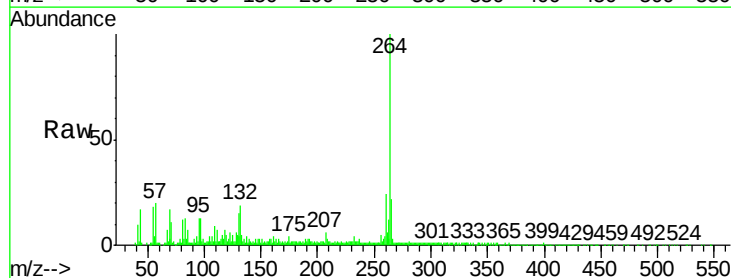
Tgt Ion:264 Resp: 157129

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.3 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

