

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
 Data File : BF090207.D
 Acq On : 23 Sep 2016 19:38
 Operator : UM/SJ
 Sample : H4887-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-17B

Quant Time: Sep 23 23:24:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

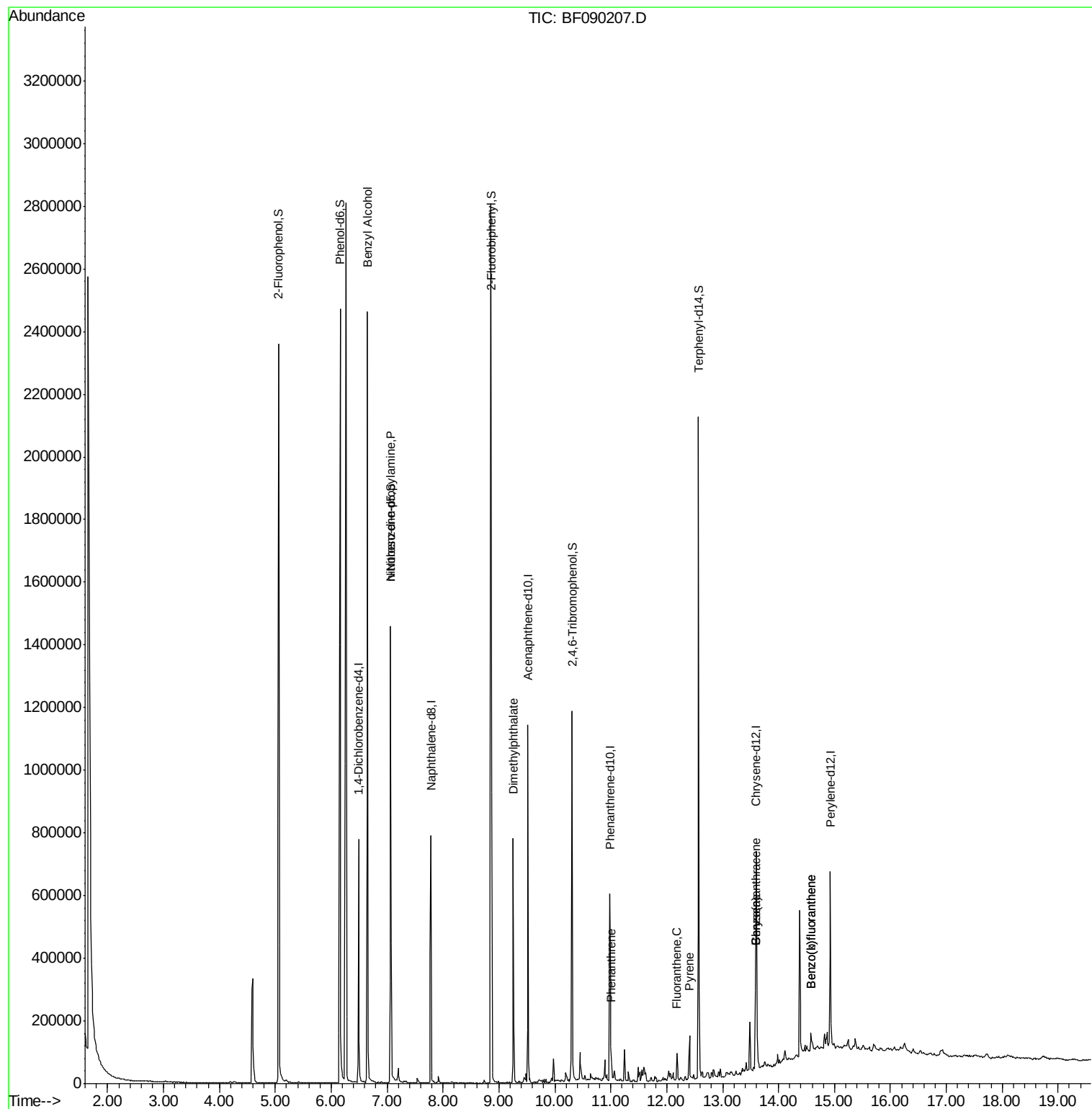
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	122602	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	453667	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	232710	20.00	ng	-0.03
63) Phenanthrene-d10	10.98	188	270572	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	249329	20.00	ng	-0.03
86) Perylene-d12	14.93	264	246663	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	847846	112.72	ng	-0.01
7) Phenol-d6	6.16	99	1203213	129.53	ng	-0.01
23) Nitrobenzene-d5	7.06	82	610047	77.95	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	226497	113.45	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	1040103	87.74	ng	-0.03
78) Terphenyl-d14	12.57	244	667667	67.99	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	6.65	79	11188	2.02	ng	# 45
19) n-Nitroso-di-n-propylamine	7.06	70	70682	12.95	ng	# 80
49) Dimethylphthalate	9.26	163	333535	22.50	ng	98
70) Phenanthrene	11.00	178	44454	3.51	ng	98
74) Fluoranthene	12.18	202	38725	2.85	ng	99
77) Pyrene	12.41	202	69864	4.09	ng	97
80) Benzo(a)anthracene	13.59	228	37200	2.77	ng	97
82) Chrysene	13.59	228	37200	2.85	ng	97
87) Benzo(b)fluoranthene	14.58	252	32363	2.37	ng	98
88) Benzo(k)fluoranthene	14.58	252	31657	2.47	ng	# 93

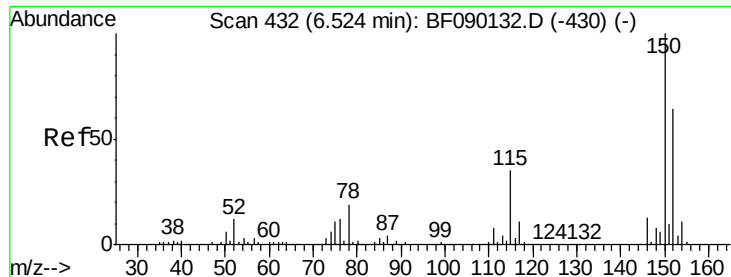
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-17B

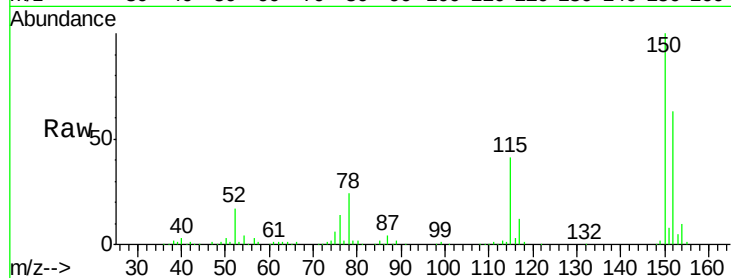
Tgt Ion:152 Resp: 122602

Ion Ratio Lower Upper

152 100

150 157.7 128.9 193.3

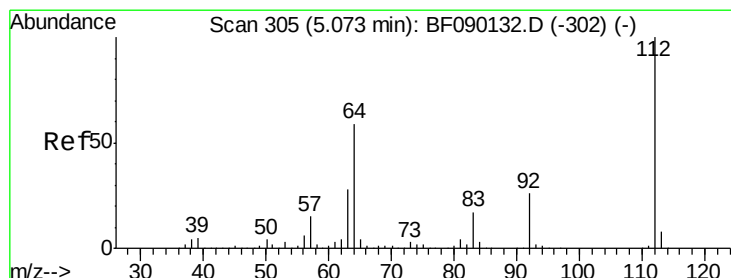
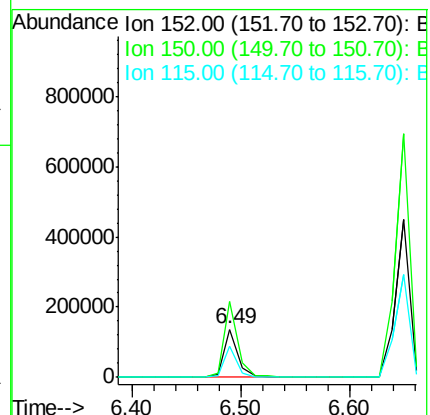
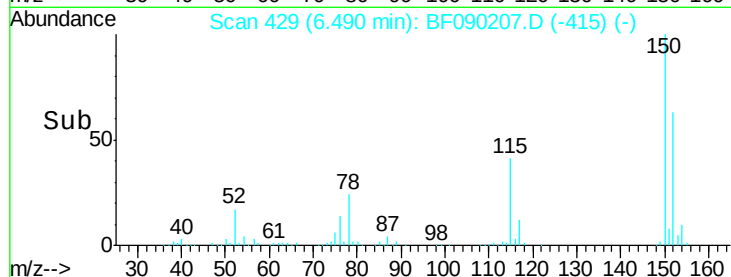
115 64.7 55.5 83.3



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: 112.72 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

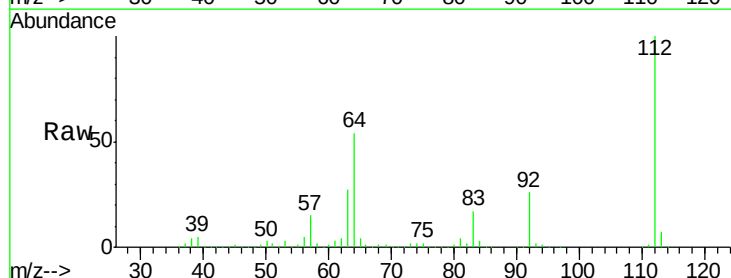
Tgt Ion:112 Resp: 847846

Ion Ratio Lower Upper

112 100

64 54.4 39.8 59.6

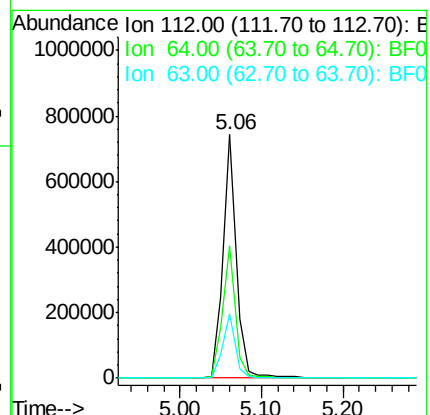
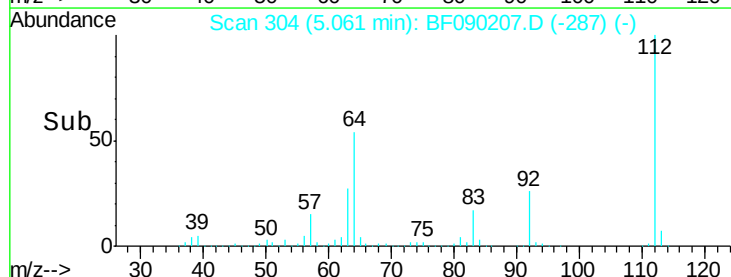
63 26.7 18.9 28.3

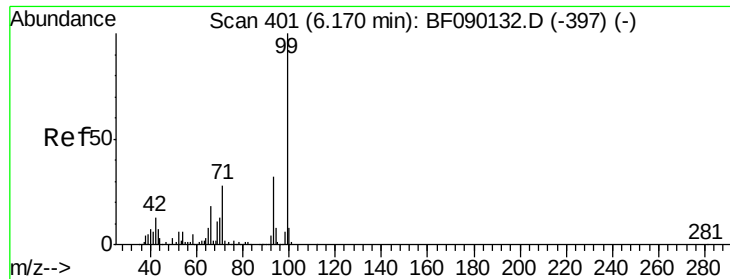


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.53 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-17B

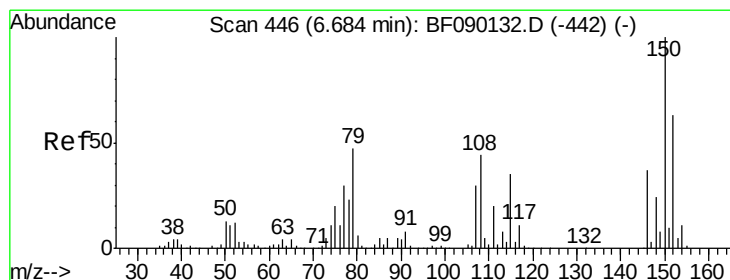
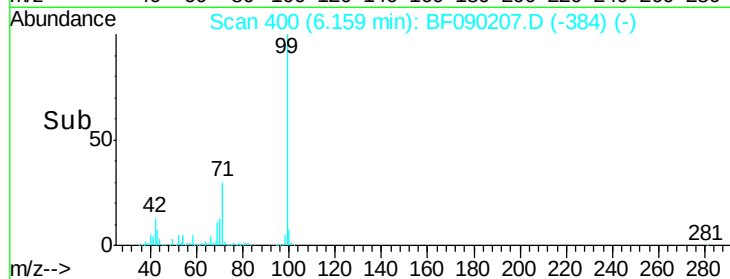
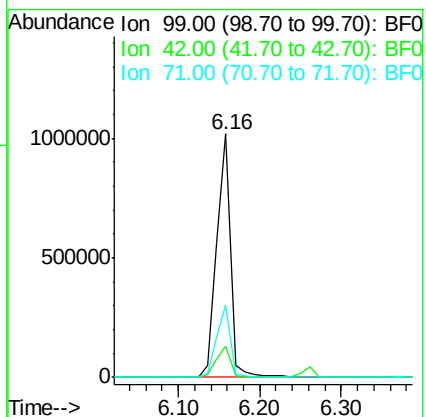
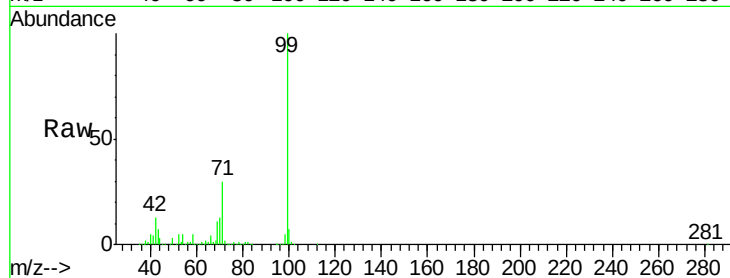
Tgt Ion: 99 Resp: 1203213

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

71 29.9 23.0 34.6



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.03 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

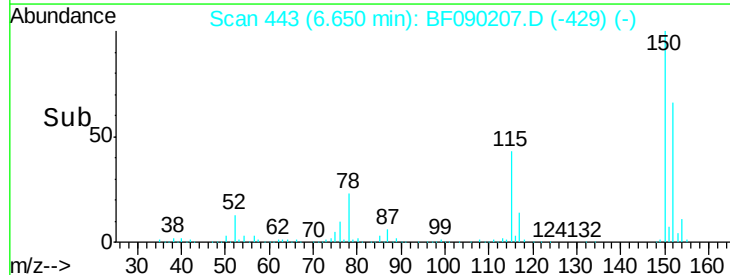
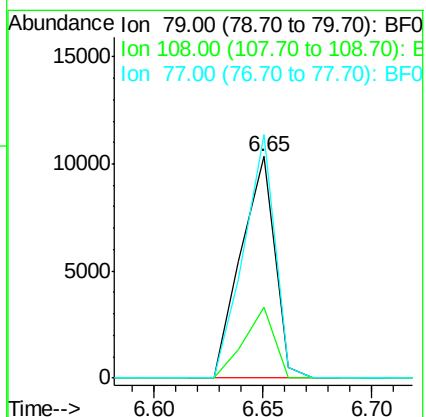
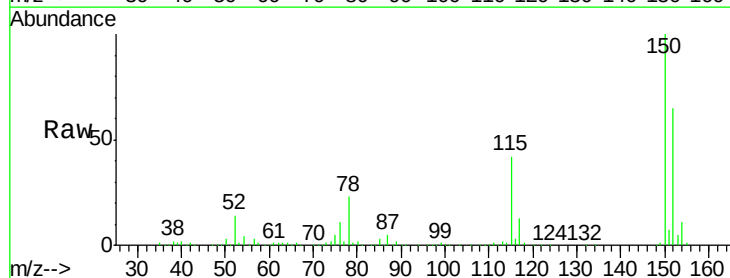
Tgt Ion: 79 Resp: 11188

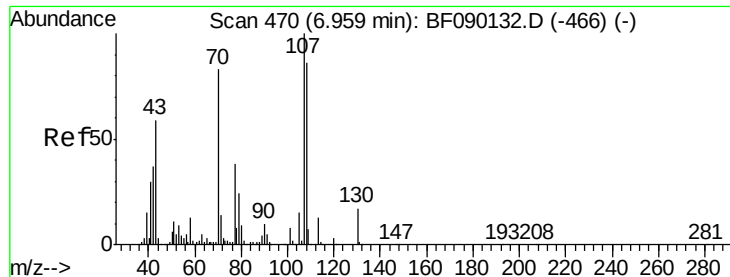
Ion Ratio Lower Upper

79 100

108 31.7 62.2 93.4#

77 109.8 51.4 77.0#

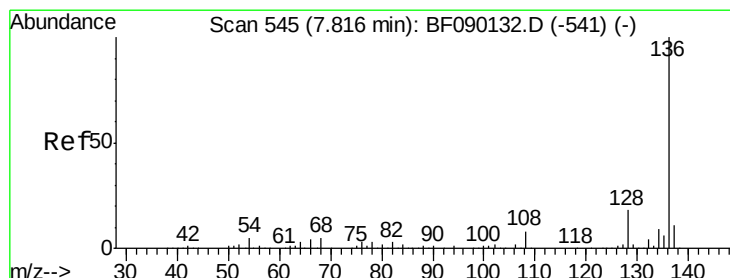
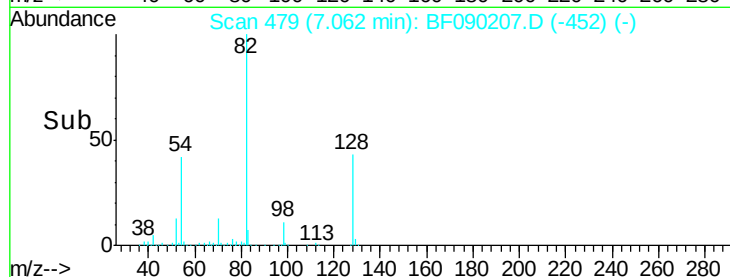
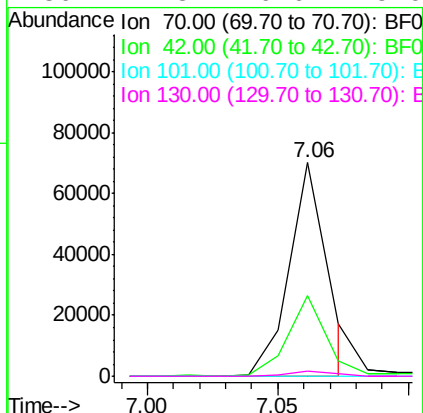
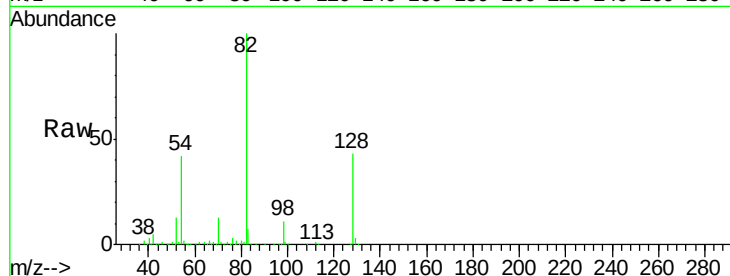




#19
n-Nitroso-di-n-propylamine
Concen: 12.95 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.10 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

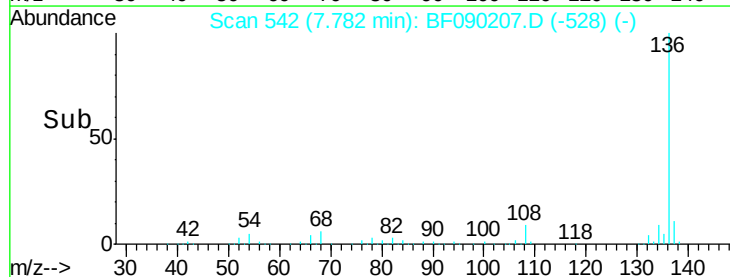
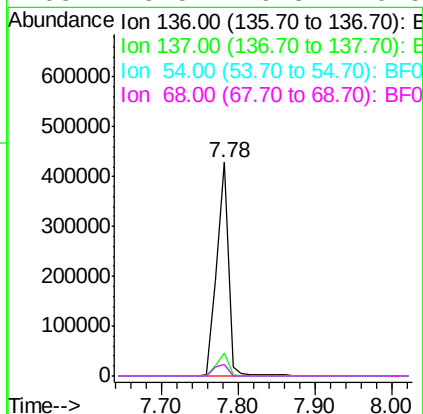
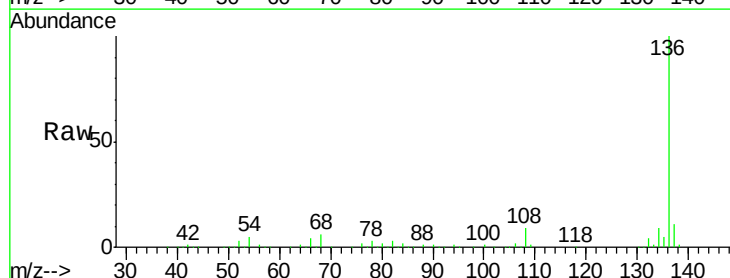
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-17B

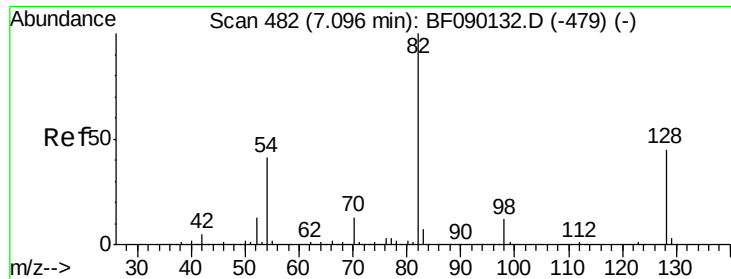
Tgt Ion: 70 Resp: 70682
Ion Ratio Lower Upper
70 100
42 37.6 35.1 52.7
101 0.0 7.5 11.3#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

Tgt Ion: 136 Resp: 453667
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.2 6.4 9.6#
68 5.5 6.3 9.5#

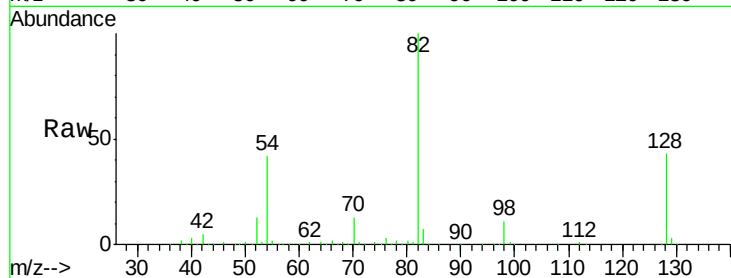




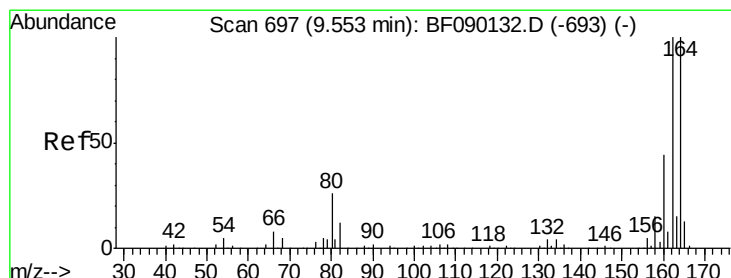
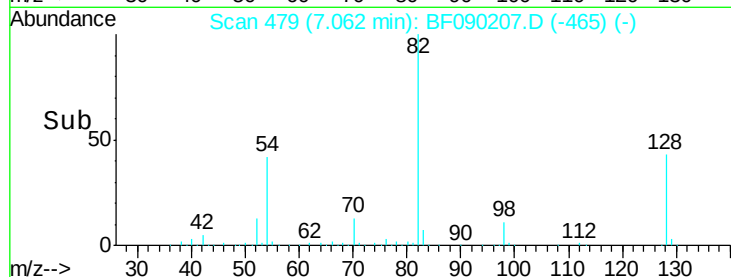
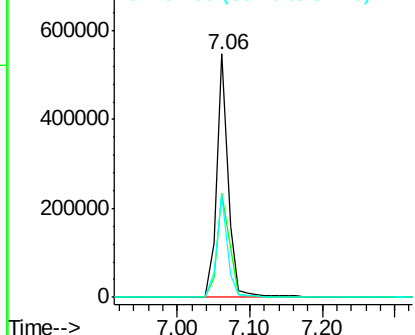
#23
 Nitrobenzene-d5
 Concen: 77.95 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-17B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.5	56.3
54	42.2	31.9	47.9

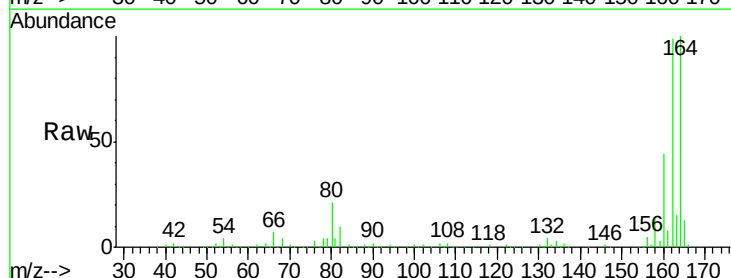


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

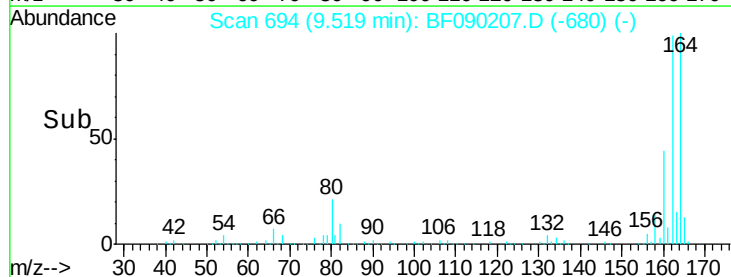
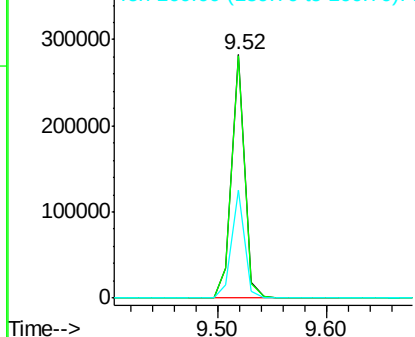


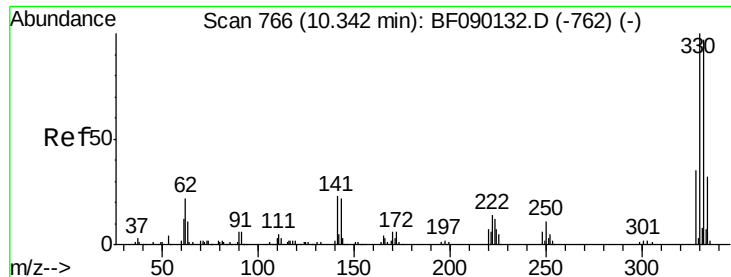
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.4	122.2
160	44.2	36.6	54.8



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

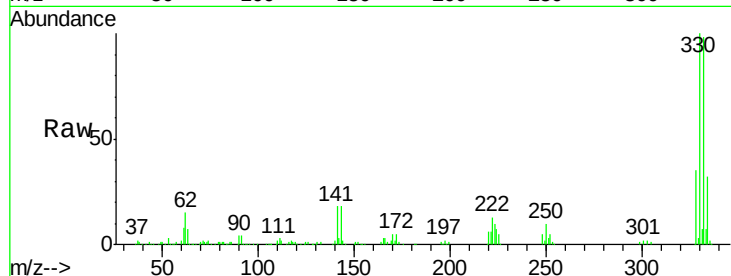




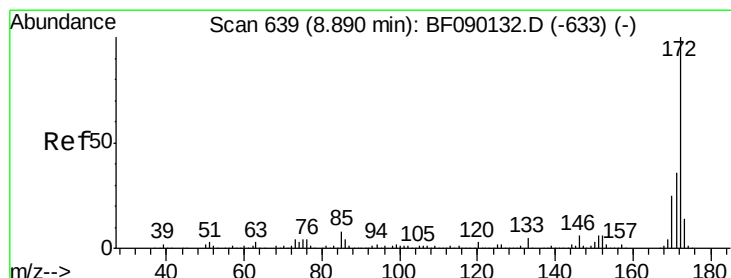
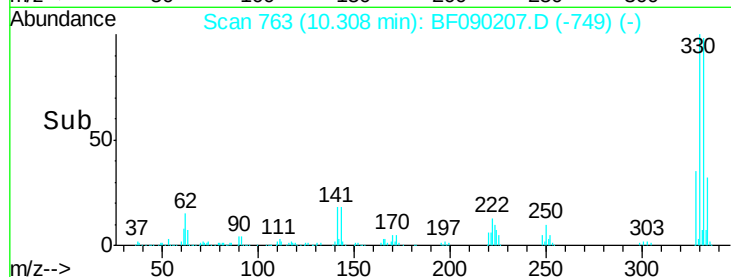
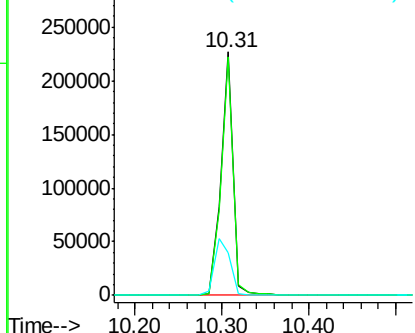
#41
 2,4,6-Tribromophenol
 Concen: 113.45 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-17B

Tgt Ion:330 Resp: 226497
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.1 117.1
 141 30.6 23.9 35.9

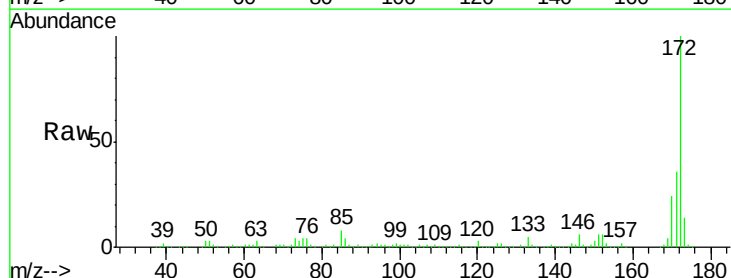


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

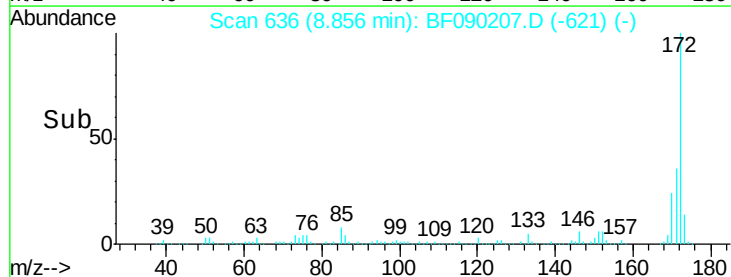
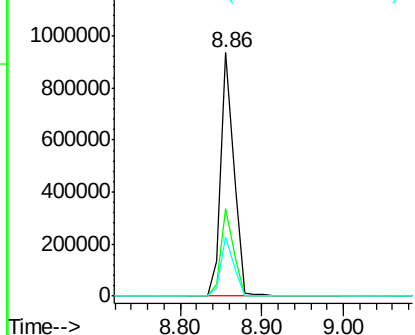


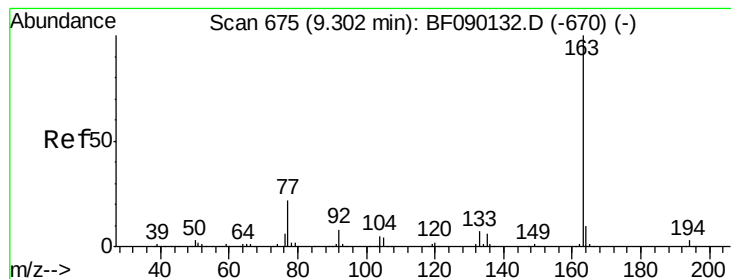
#44
 2-Fluorobiphenyl
 Concen: 87.74 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

Tgt Ion:172 Resp: 1040103
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 24.1 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





#49

Dimethylphthalate

Concen: 22.50 ng

RT: 9.26 min Scan# 671

Delta R.T. -0.05 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-17B

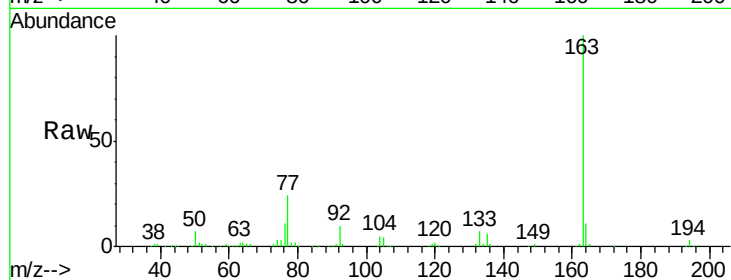
Tgt Ion:163 Resp: 333535

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

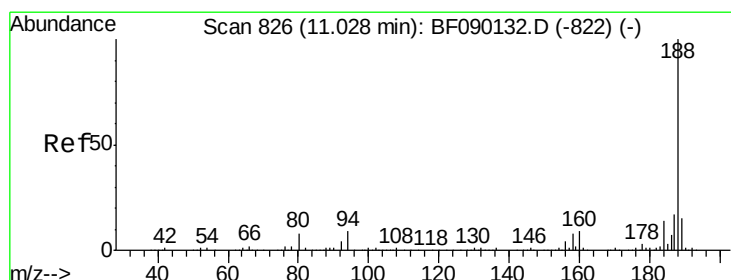
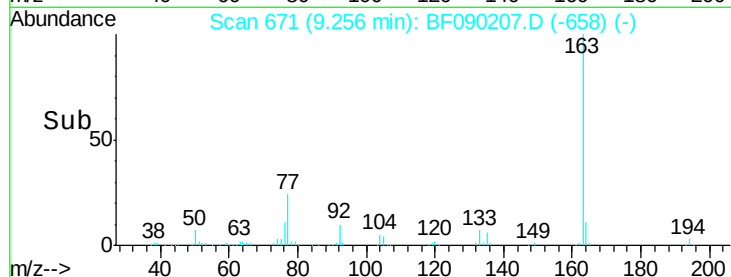
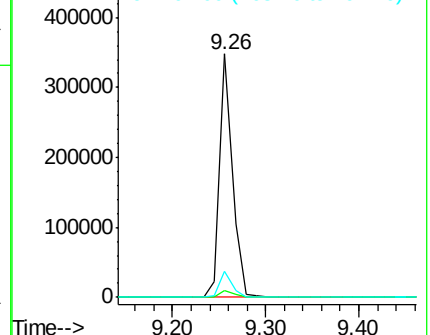
164 10.7 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

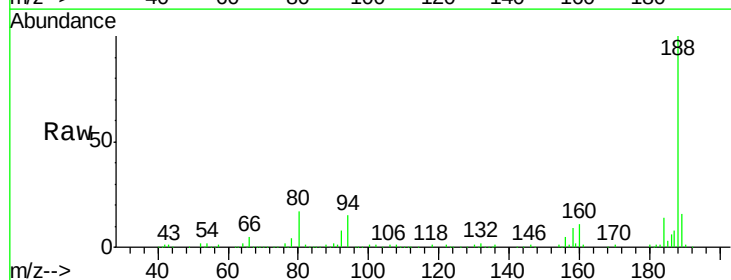
Tgt Ion:188 Resp: 270572

Ion Ratio Lower Upper

188 100

94 15.4 10.5 15.7

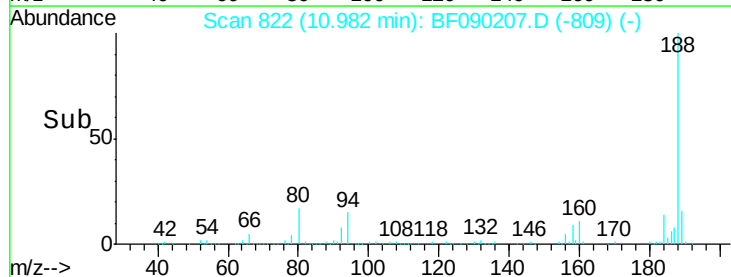
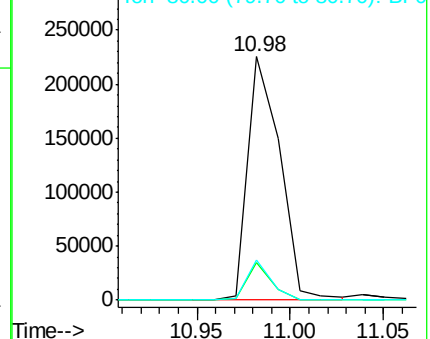
80 16.7 11.2 16.8

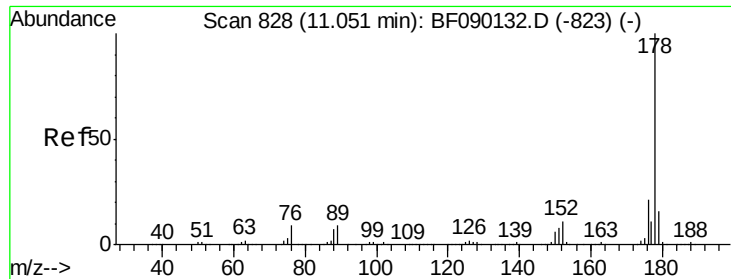


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

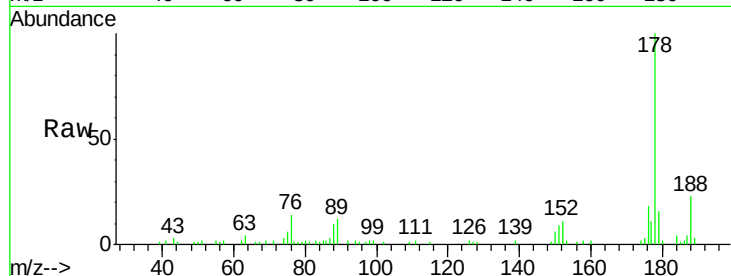




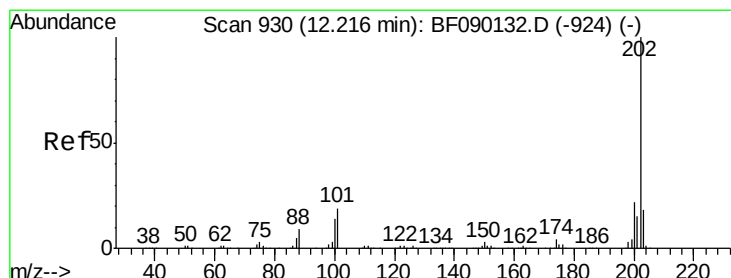
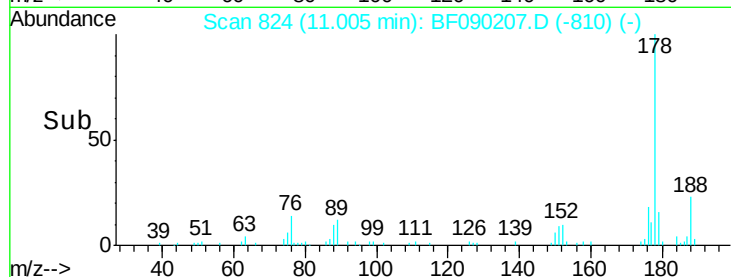
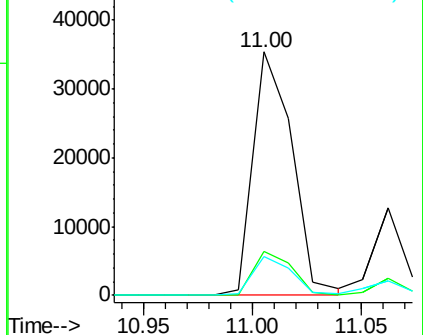
#70
Phenanthrene
Concen: 3.51 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.05 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-17B

Tgt Ion:178 Resp: 44454
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 16.1 12.9 19.3

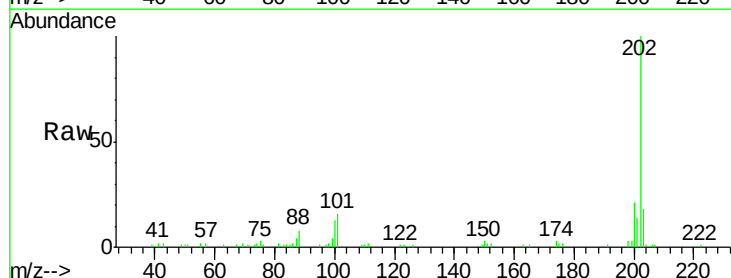


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

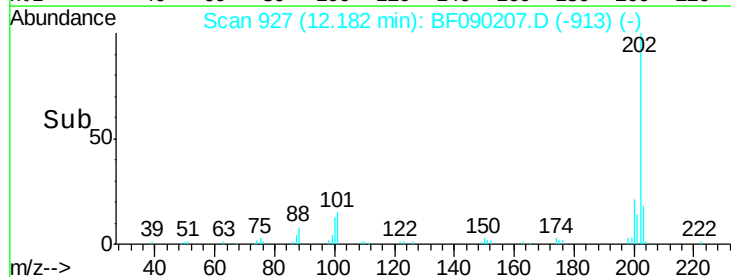
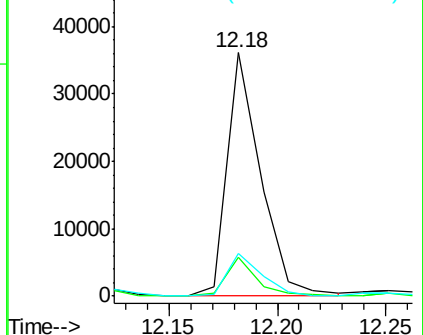


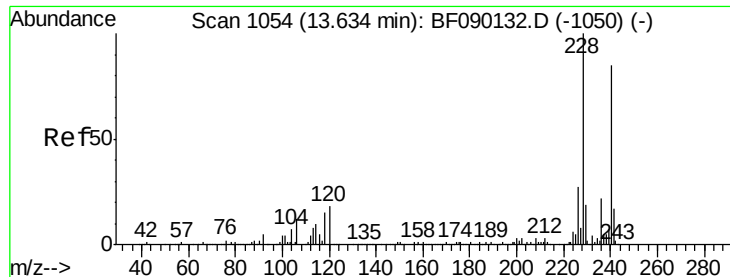
#74
Fluoranthene
Concen: 2.85 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

Tgt Ion:202 Resp: 38725
Ion Ratio Lower Upper
202 100
101 15.9 0.0 36.1
203 17.5 0.0 38.2



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: 13.60 min Scan# 1051

Delta R.T. -0.03 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-17B

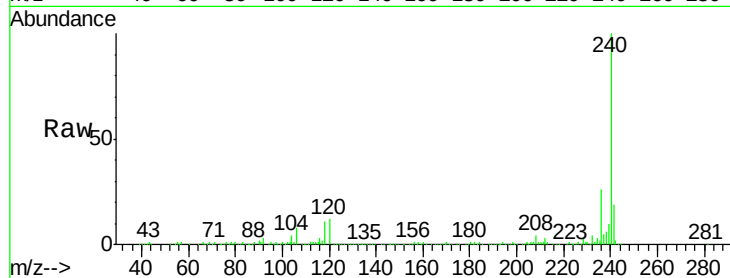
Tgt Ion:240 Resp: 249329

Ion Ratio Lower Upper

240 100

120 12.0 10.6 16.0

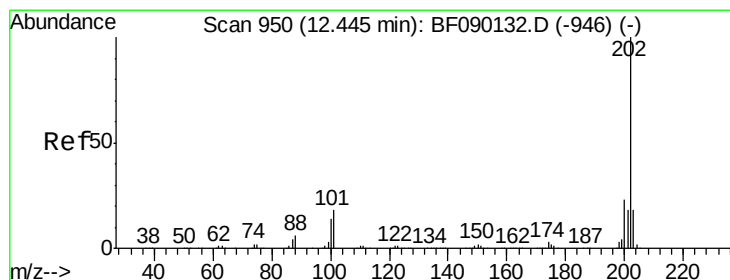
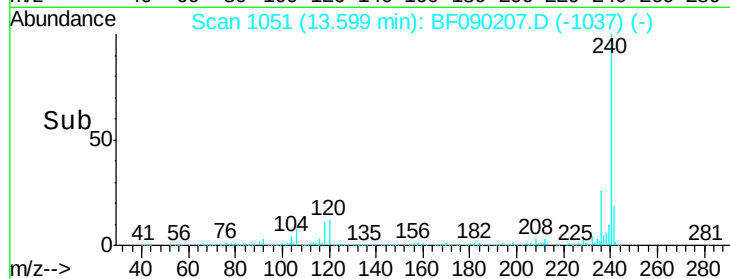
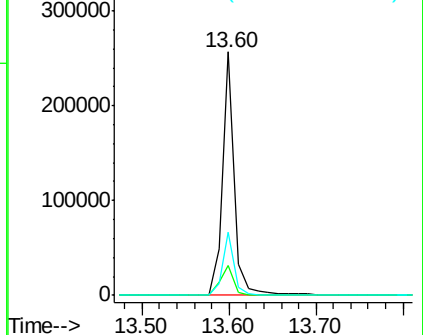
236 26.2 21.6 32.4



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



#77

Pyrene

Concen: 4.09 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

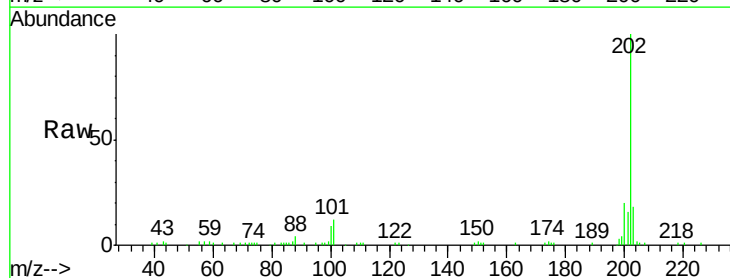
Tgt Ion:202 Resp: 69864

Ion Ratio Lower Upper

202 100

200 20.1 17.9 26.9

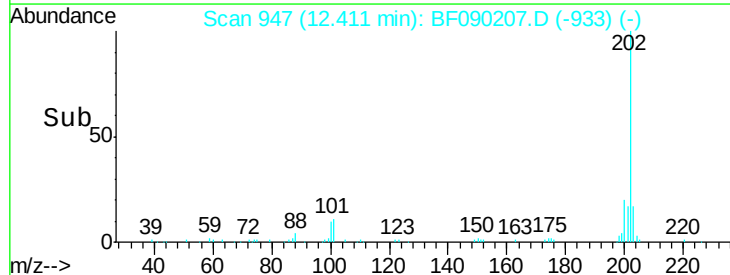
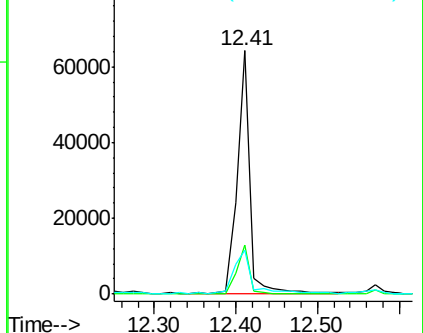
203 18.1 14.2 21.4

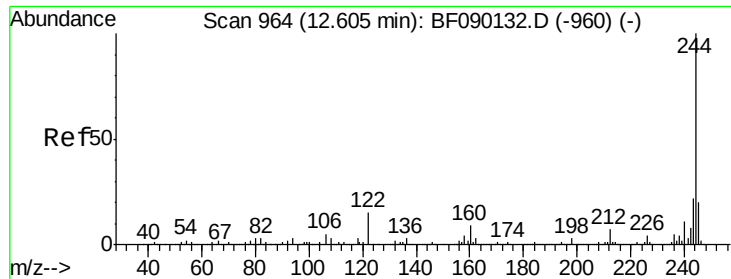


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

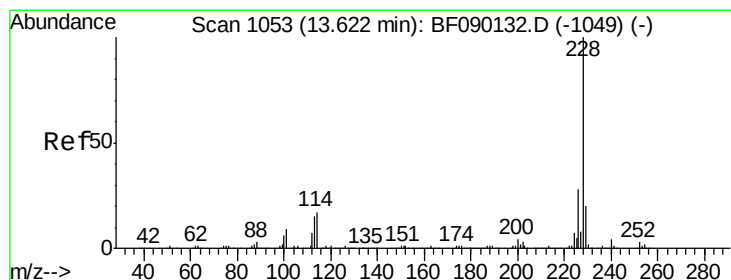
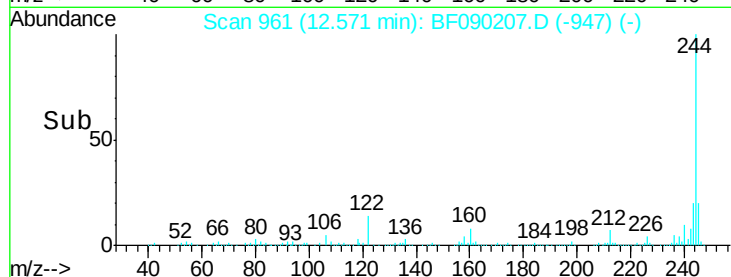
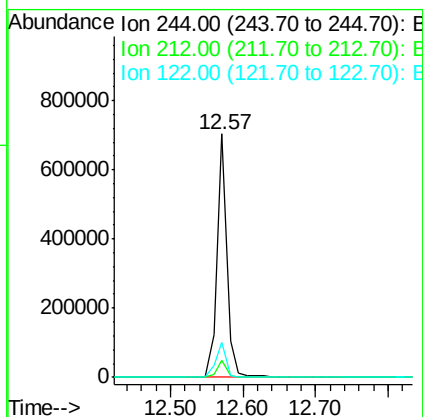
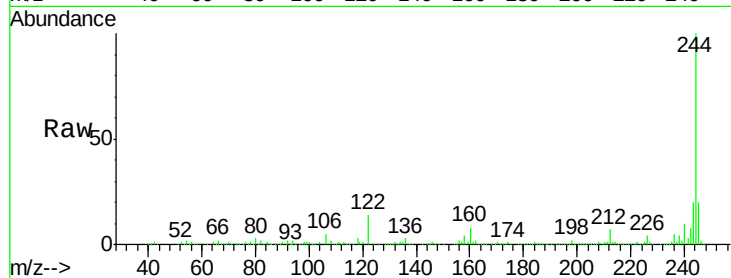




#78
 Terphenyl-d14
 Concen: 67.99 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

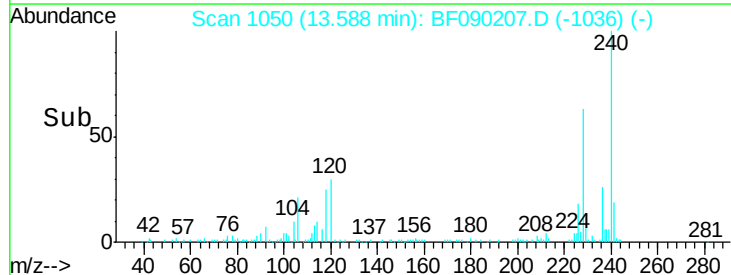
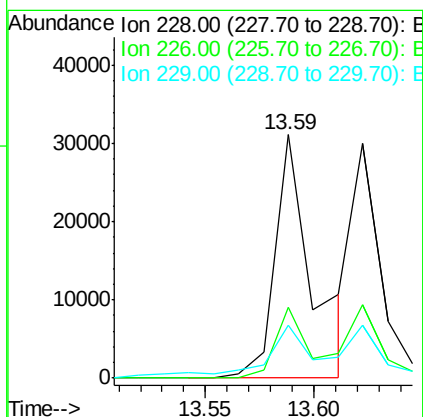
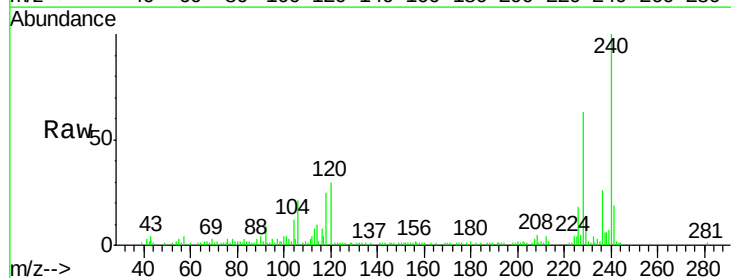
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-17B

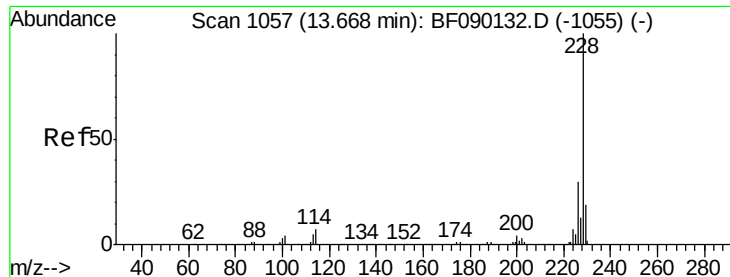
Tgt Ion:244 Resp: 667667
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 14.5 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 2.77 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. -0.03 min
 Lab File: BF090207.D
 Acq: 23 Sep 2016 19:38

Tgt Ion:228 Resp: 37200
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.0 33.0
 229 21.5 16.2 24.2





#82

Chrysene

Concen: 2.85 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-17B

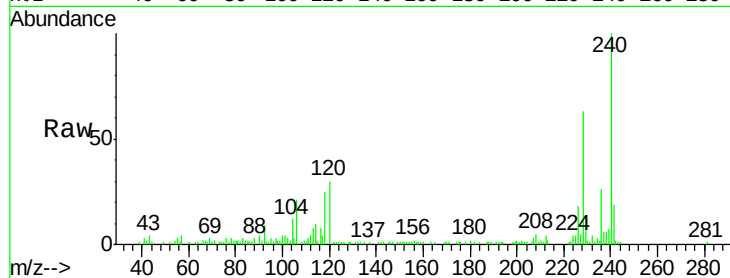
Tgt Ion:228 Resp: 37200

Ion Ratio Lower Upper

228 100

226 29.0 24.6 37.0

229 21.5 16.2 24.4

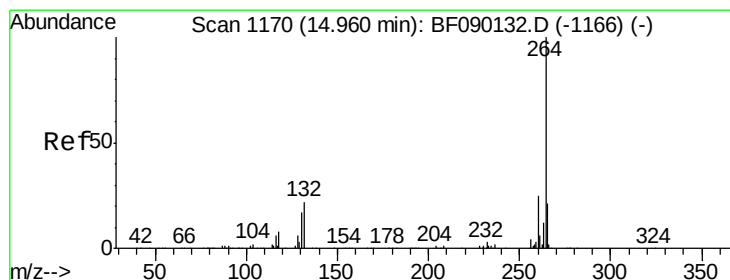
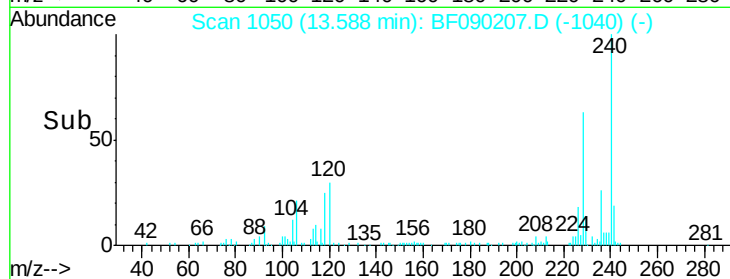
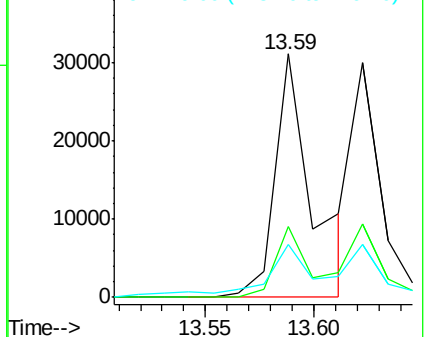


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.03 min

Lab File: BF090207.D

Acq: 23 Sep 2016 19:38

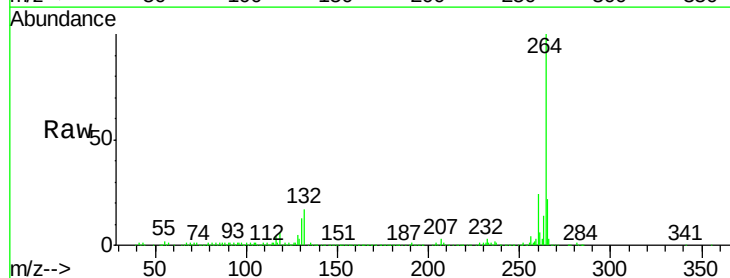
Tgt Ion:264 Resp: 246663

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.4 17.0 25.4

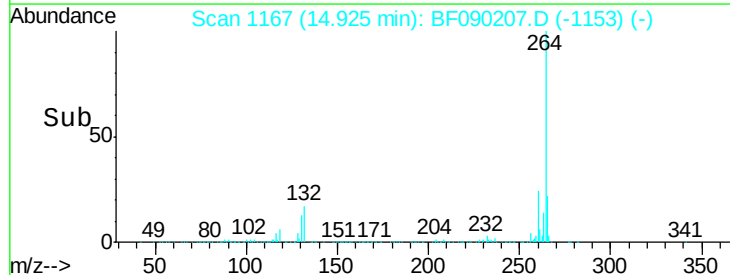
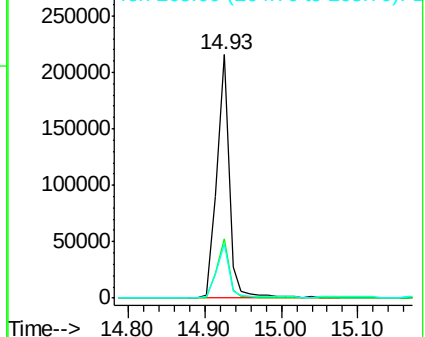


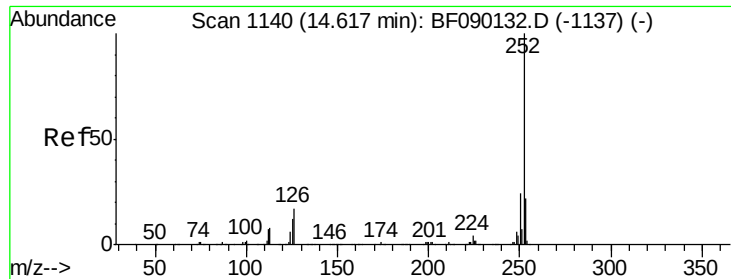
Abundance

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

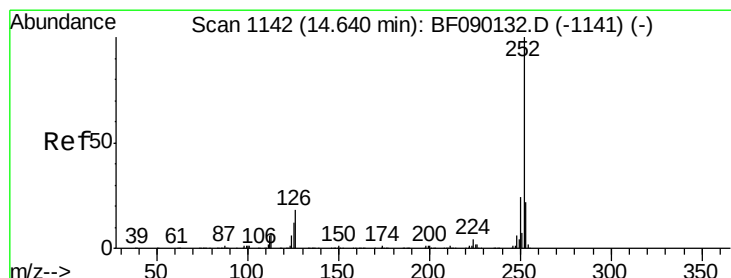
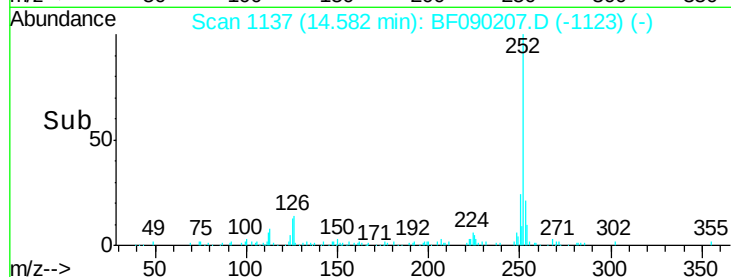
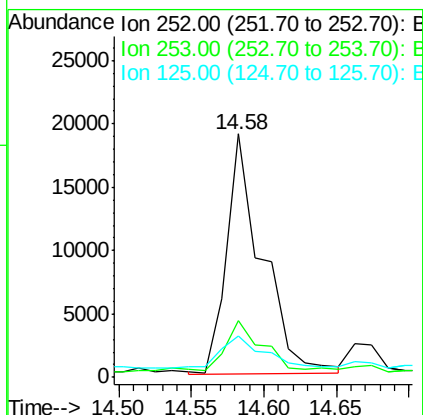
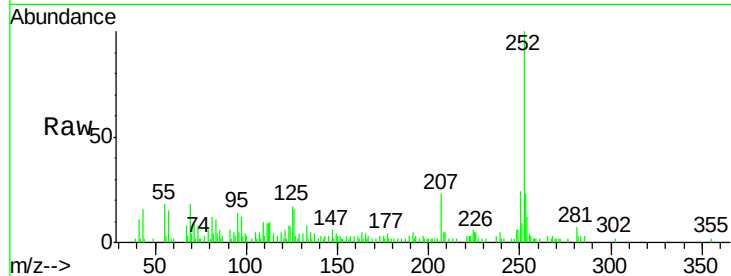




#87
Benzo(b)fluoranthene
Concen: 2.37 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-17B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	17.1	12.7	19.1



#88
Benzo(k)fluoranthene
Concen: 2.47 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.06 min
Lab File: BF090207.D
Acq: 23 Sep 2016 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	17.1	7.8	11.6#

