

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
 Data File : BF090298.D
 Acq On : 29 Sep 2016 19:16
 Operator : UM/SJ
 Sample : H4982-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-32

Quant Time: Sep 30 00:58:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

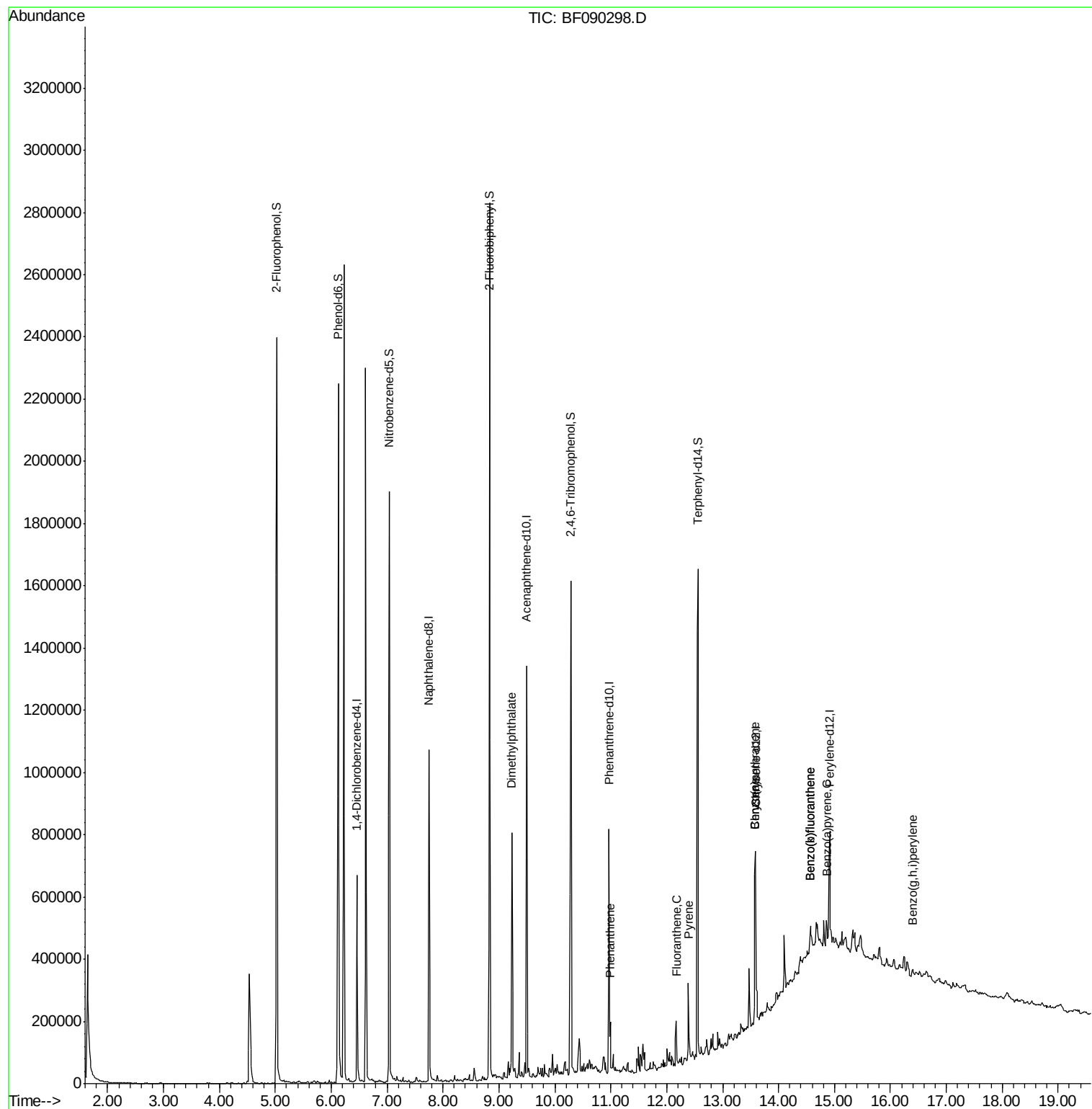
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	139345	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	521565	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	264570	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	348481	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	261468	20.00	ng	-0.01
86) Perylene-d12	14.91	264	196145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1002844	117.31	ng	0.00
7) Phenol-d6	6.12	99	1185784	112.32	ng	-0.01
23) Nitrobenzene-d5	7.04	82	777112	86.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	208949	92.06	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	1081915	80.28	ng	-0.02
78) Terphenyl-d14	12.56	244	731177	71.00	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.23	163	361776	21.47	ng	Qvalue # 98
70) Phenanthrene	10.99	178	73733	4.52	ng	97
74) Fluoranthene	12.17	202	71301	4.08	ng	92
77) Pyrene	12.39	202	99808	5.58	ng	97
80) Benzo(a)anthracene	13.58	228	40574	2.88	ng	# 82
82) Chrysene	13.58	228	40574	2.96	ng	# 86
87) Benzo(b)fluoranthene	14.57	252	52523	4.84	ng	# 86
88) Benzo(k)fluoranthene	14.57	252	52523	5.15	ng	# 80
89) Benzo(a)pyrene	14.86	252	31671	3.10	ng	# 82
91) Benzo(g,h,i)perylene	16.40	276	18640	2.39	ng	# 92

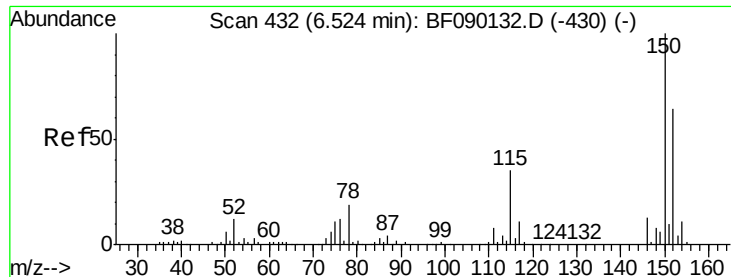
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
Data File : BF090298.D
Acq On : 29 Sep 2016 19:16
Operator : UM/SJ
Sample : H4982-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-32

Quant Time: Sep 30 00:58:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 2016
Response via : Initial Calibration



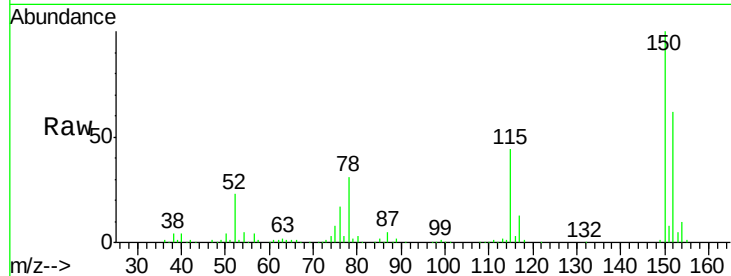


#1

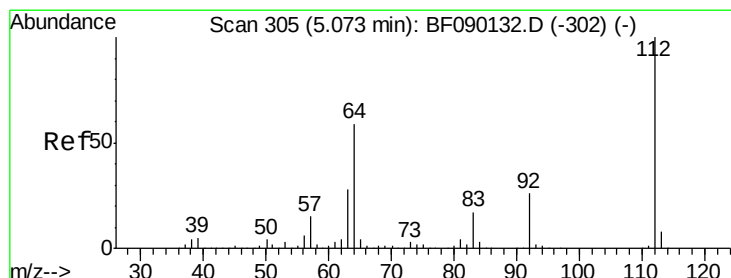
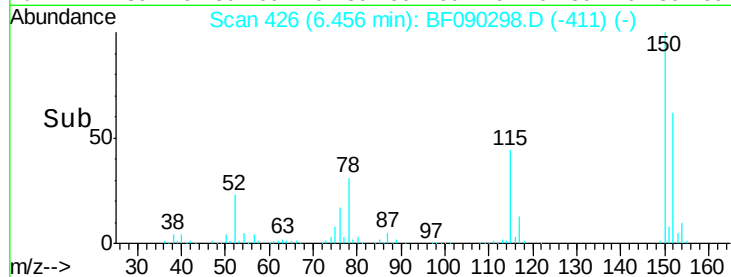
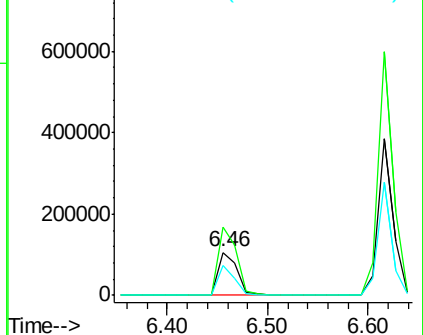
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 S-32

Tgt Ion:152 Resp: 139345
 Ion Ratio Lower Upper
 152 100
 150 160.4 128.9 193.3
 115 71.0 55.5 83.3



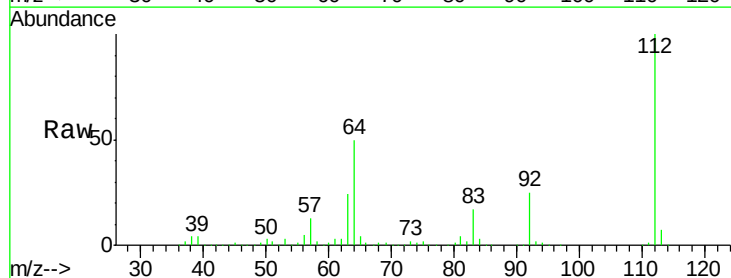
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



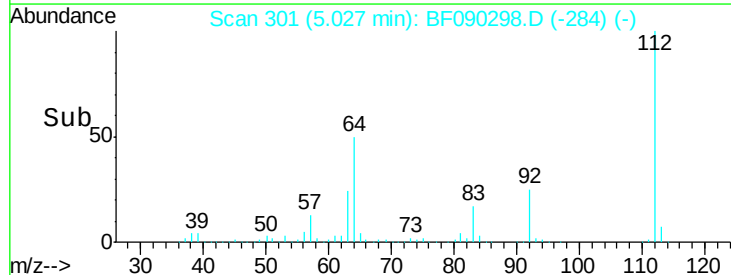
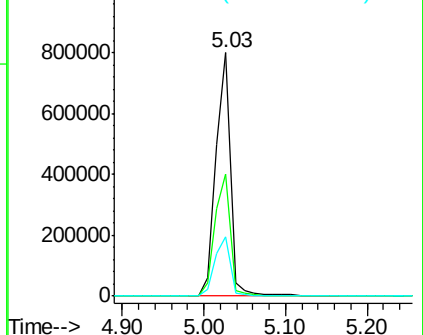
#5

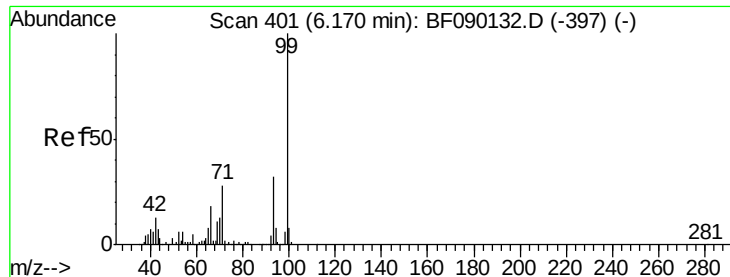
2-Fluorophenol
 Concen: 117.31 ng
 RT: 5.03 min Scan# 301
 Delta R.T. -0.00 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Tgt Ion:112 Resp: 1002844
 Ion Ratio Lower Upper
 112 100
 64 49.9 39.8 59.6
 63 24.5 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: 112.32 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

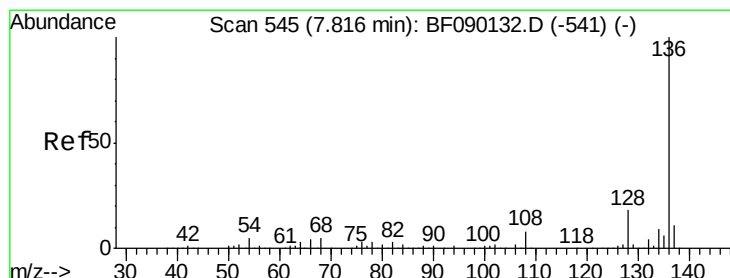
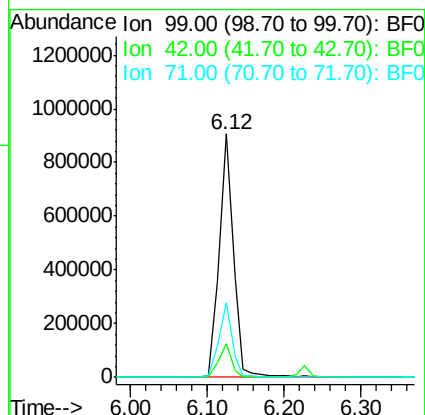
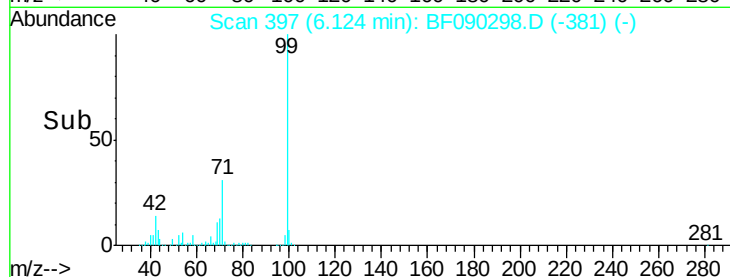
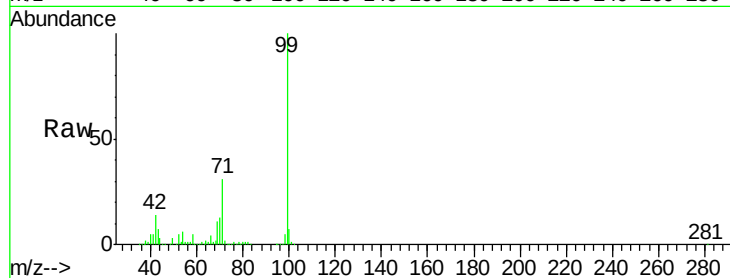
Tgt Ion: 99 Resp: 1185784

Ion Ratio Lower Upper

99 100

42 13.8 10.6 15.8

71 30.6 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Tgt Ion: 136 Resp: 521565

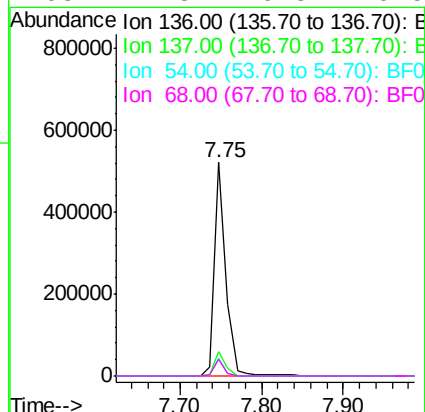
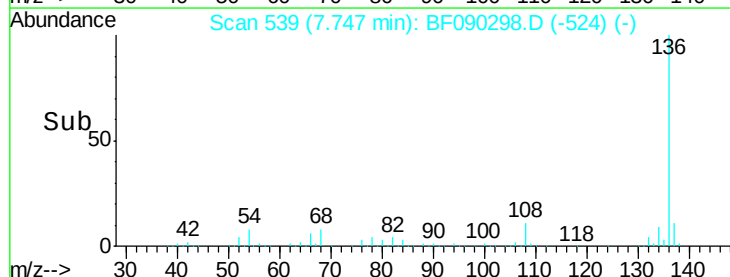
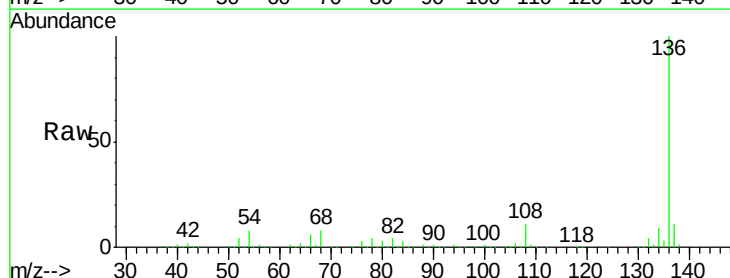
Ion Ratio Lower Upper

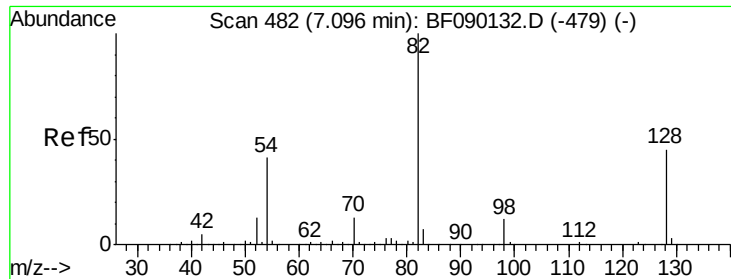
136 100

137 11.2 9.0 13.4

54 8.5 6.4 9.6

68 7.8 6.3 9.5

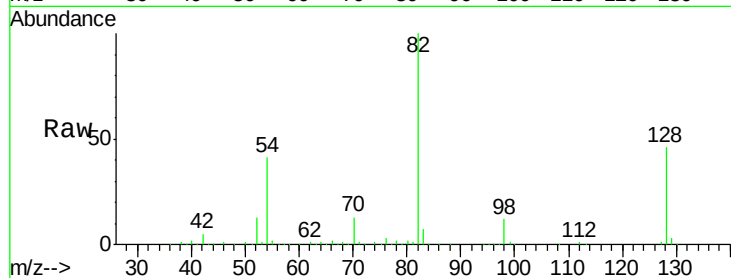




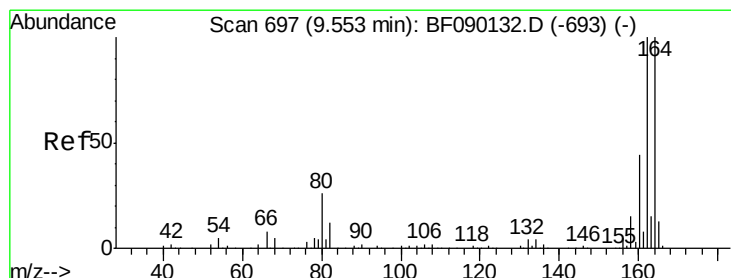
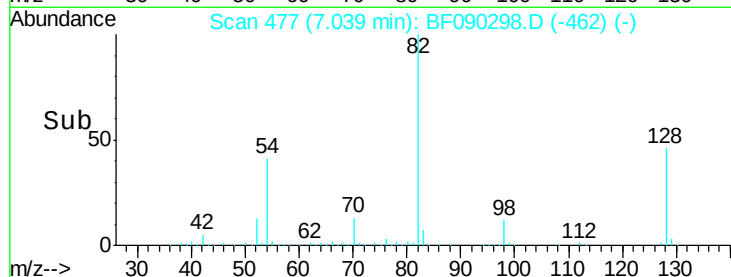
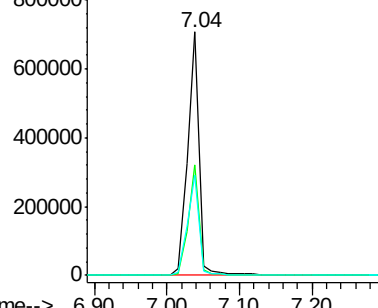
#23
 Nitrobenzene-d5
 Concen: 86.37 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Instrument :
 BNA_F
 ClientSampled :
 S-32

Tgt Ion: 82 Resp: 777112
 Ion Ratio Lower Upper
 82 100
 128 45.6 37.5 56.3
 54 41.3 31.9 47.9

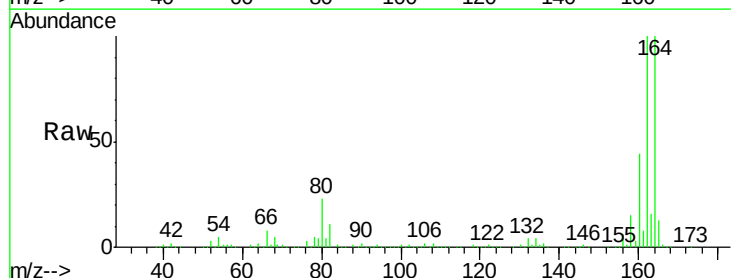


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

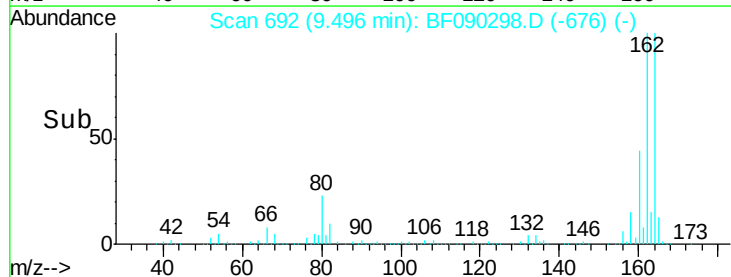
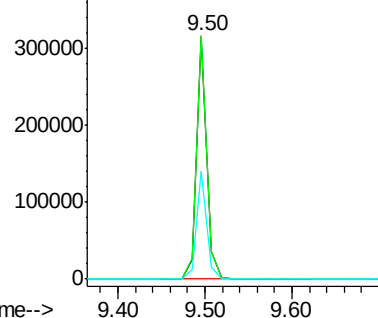


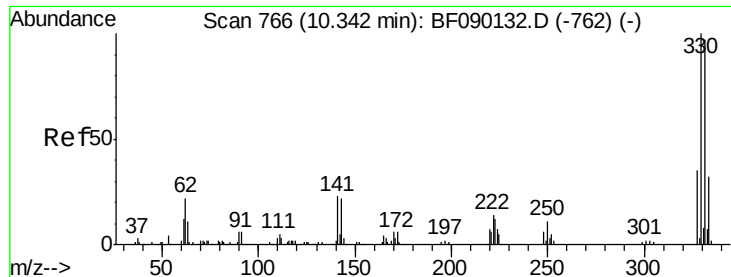
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Tgt Ion: 164 Resp: 264570
 Ion Ratio Lower Upper
 164 100
 162 100.3 81.4 122.2
 160 44.4 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

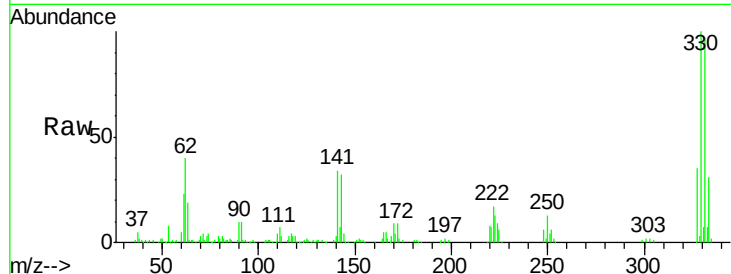




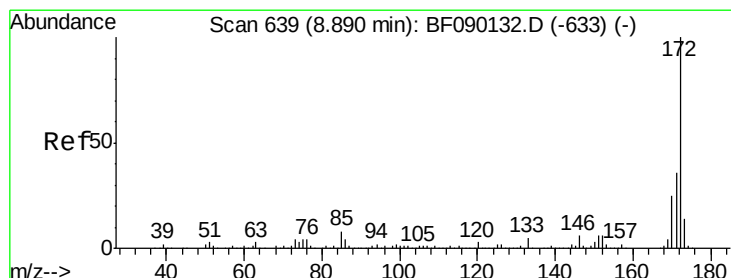
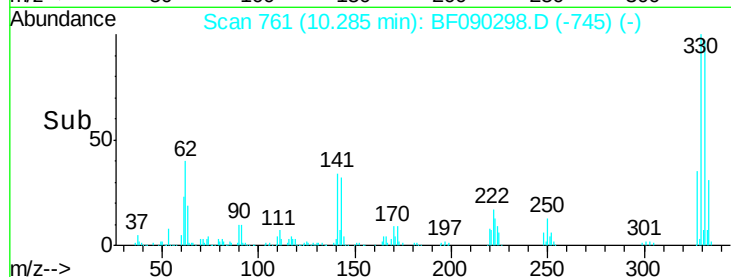
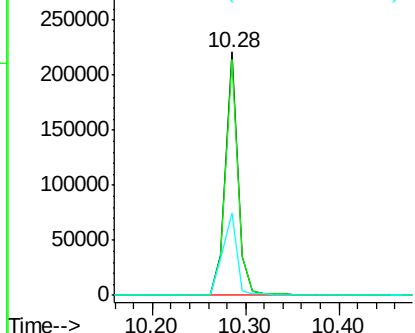
#41
 2,4,6-Tribromophenol
 Concen: 92.06 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 S-32

Tgt Ion:330 Resp: 208949
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.1 117.1
 141 38.2 23.9 35.9#

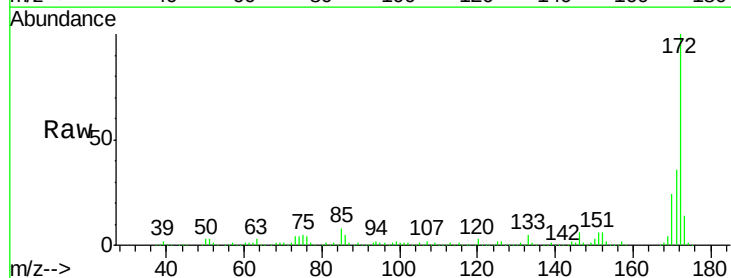


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

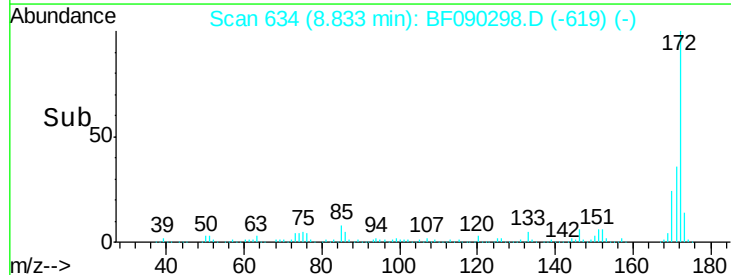
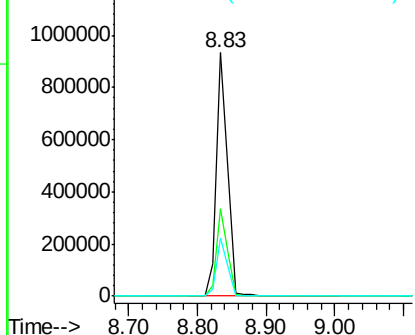


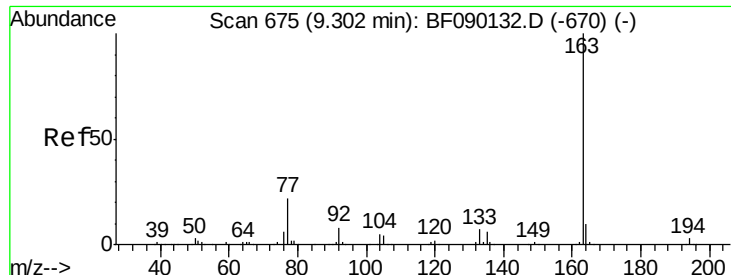
#44
 2-Fluorobiphenyl
 Concen: 80.28 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090298.D
 Acq: 29 Sep 2016 19:16

Tgt Ion:172 Resp: 1081915
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.2 43.8
 170 24.0 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: 21.47 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

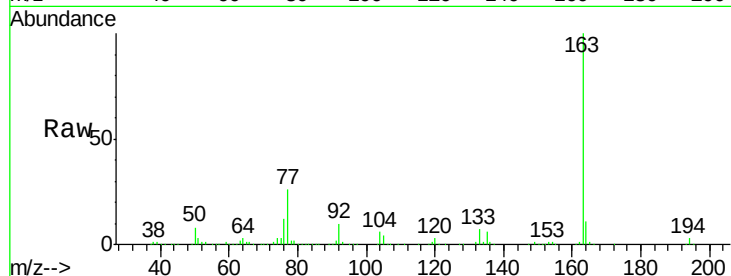
Tgt Ion:163 Resp: 361776

Ion Ratio Lower Upper

163 100

194 2.8 2.8 4.2#

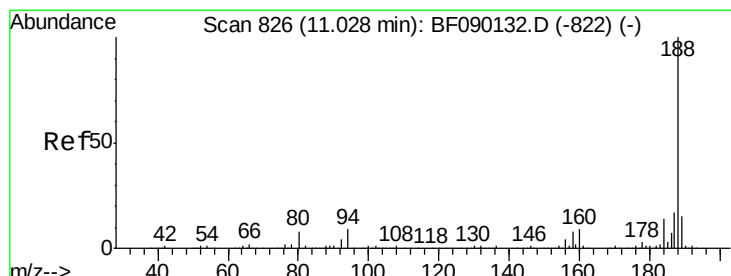
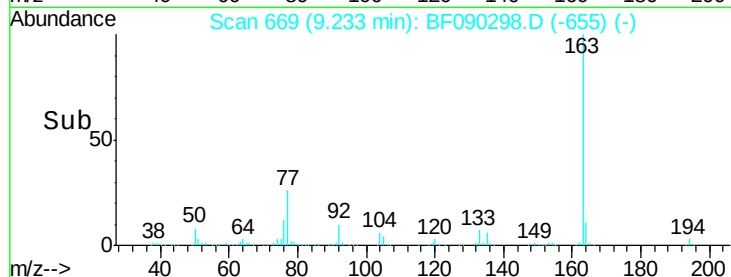
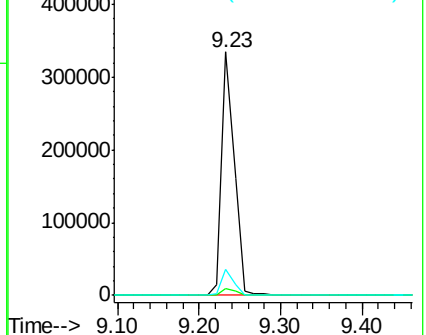
164 10.9 8.1 12.1



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: 10.97 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

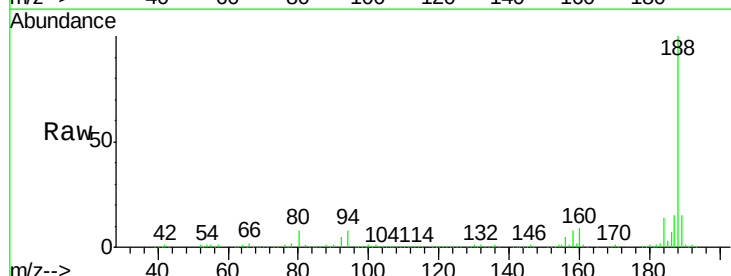
Tgt Ion:188 Resp: 348481

Ion Ratio Lower Upper

188 100

94 8.5 10.5 15.7#

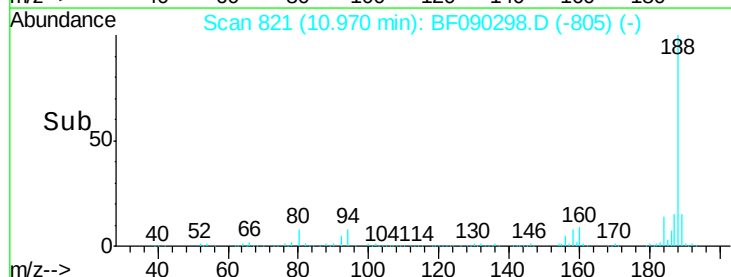
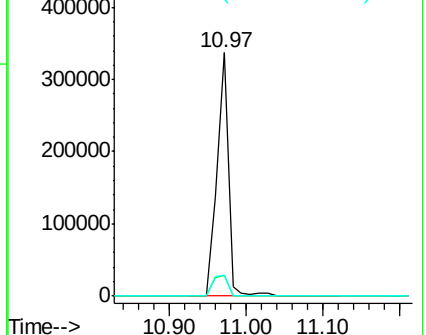
80 8.4 11.2 16.8#

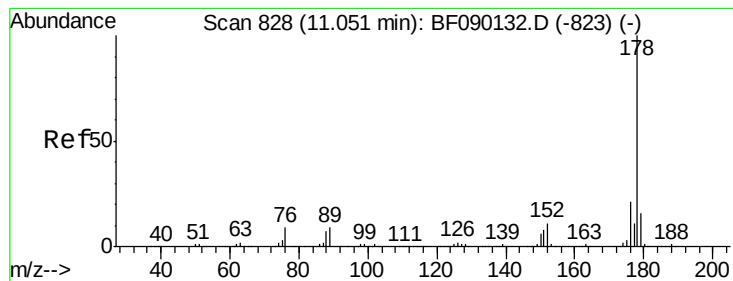


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.52 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

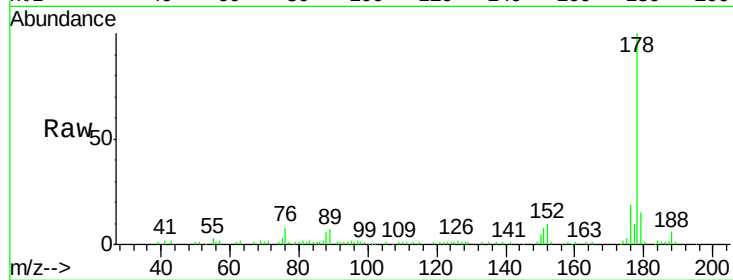
Tgt Ion:178 Resp: 73733

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

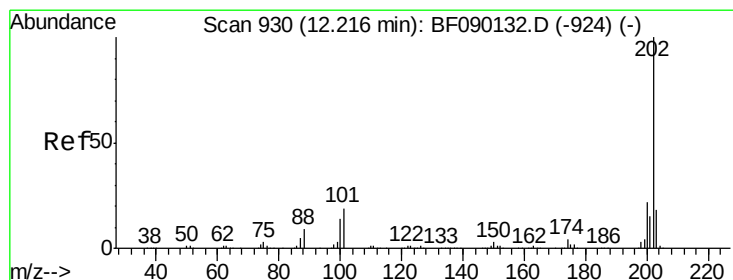
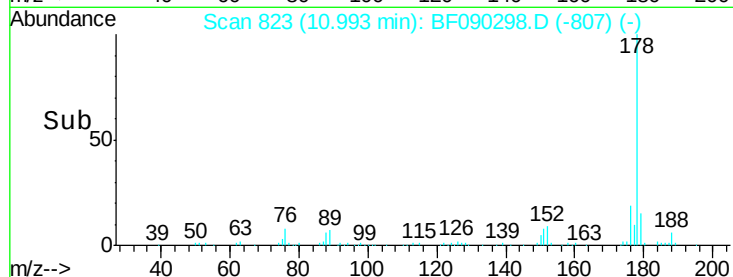
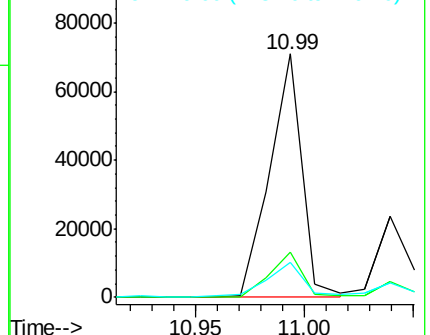
179 14.5 12.9 19.3



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: 4.08 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

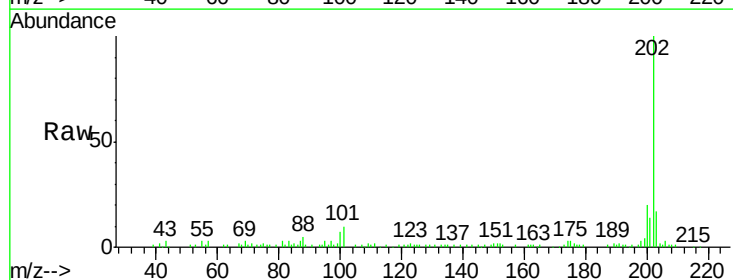
Tgt Ion:202 Resp: 71301

Ion Ratio Lower Upper

202 100

101 9.5 0.0 36.1

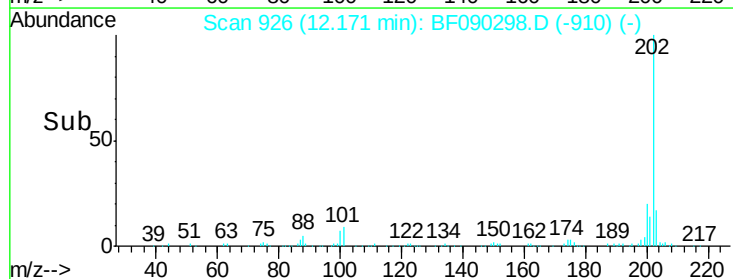
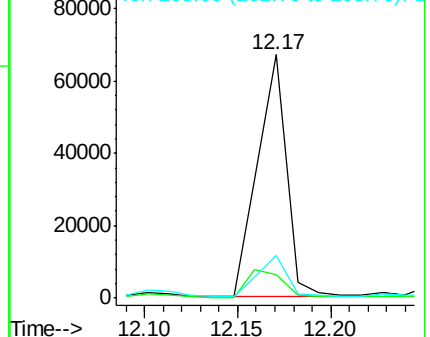
203 17.3 0.0 38.2

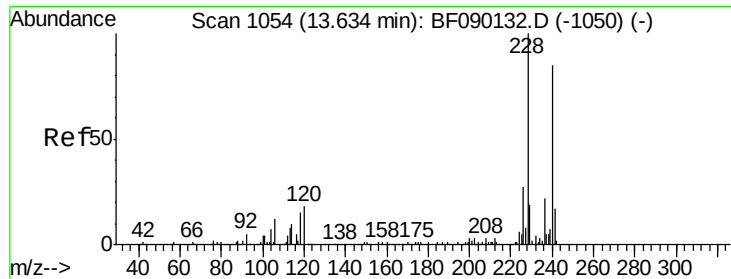


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

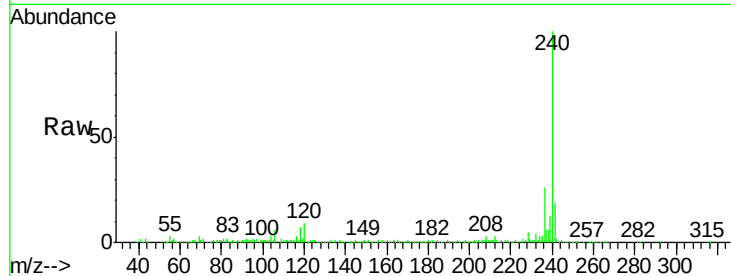
Tgt Ion:240 Resp: 261468

Ion Ratio Lower Upper

240 100

120 9.0 10.6 16.0#

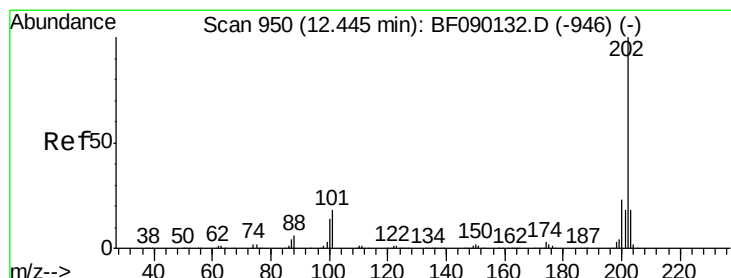
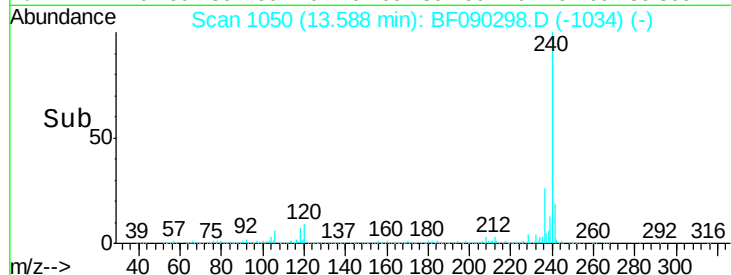
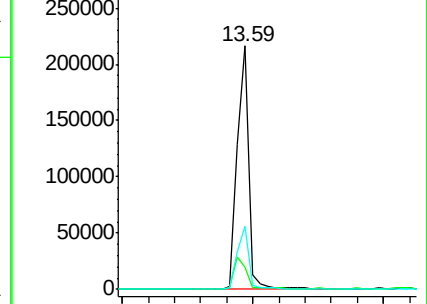
236 26.1 21.6 32.4



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: 5.58 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

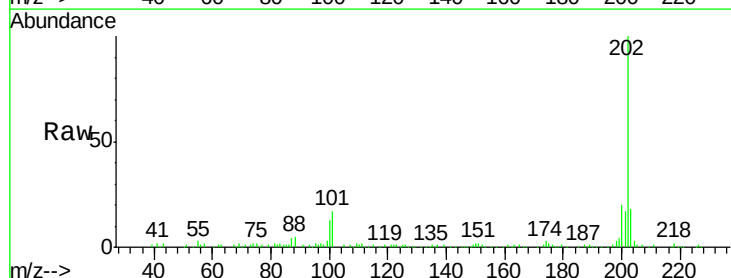
Tgt Ion:202 Resp: 99808

Ion Ratio Lower Upper

202 100

200 20.3 17.9 26.9

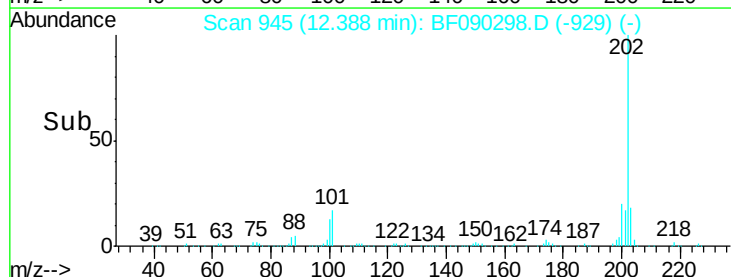
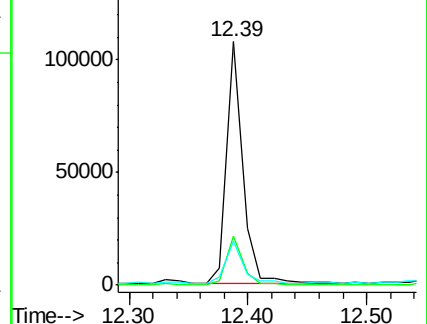
203 18.2 14.2 21.4

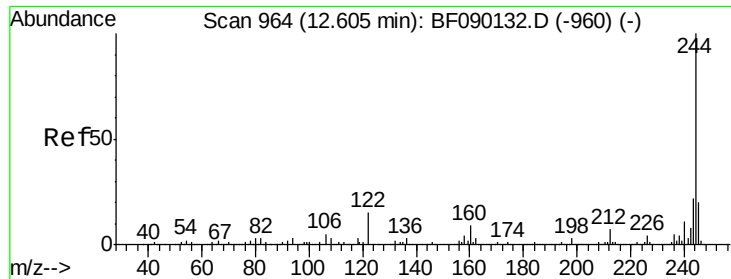


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.00 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

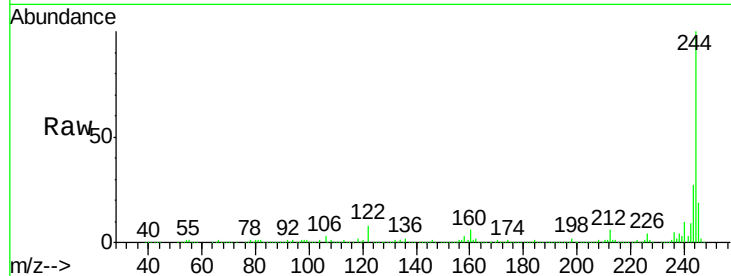
Tgt Ion:244 Resp: 731177

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

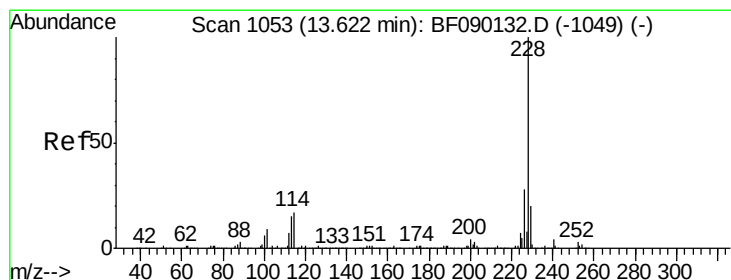
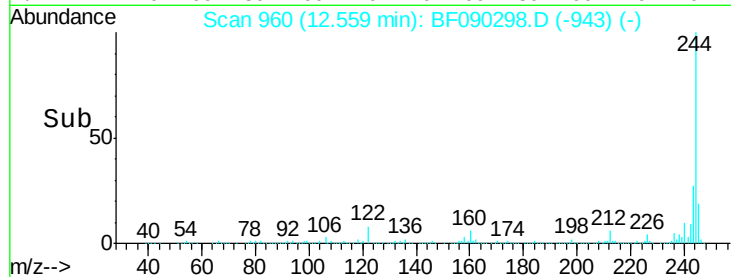
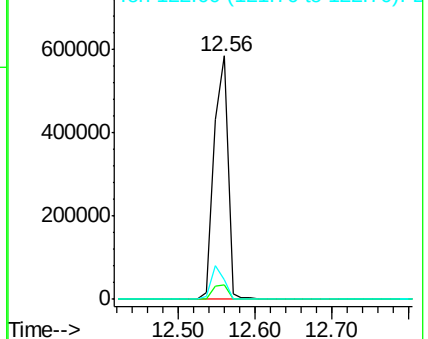
122 8.2 9.4 14.0#



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



#80

Benzo(a)anthracene

Concen: 2.88 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

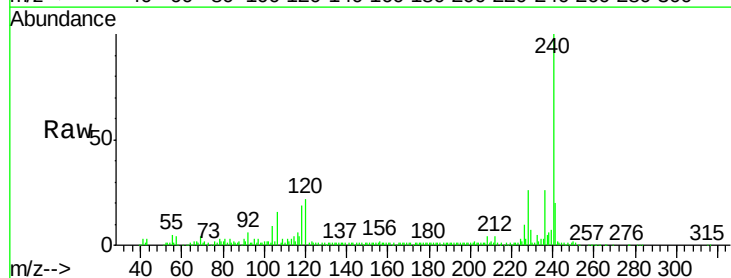
Tgt Ion:228 Resp: 40574

Ion Ratio Lower Upper

228 100

226 39.7 22.0 33.0#

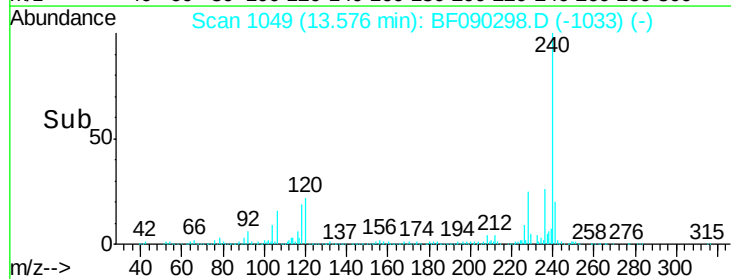
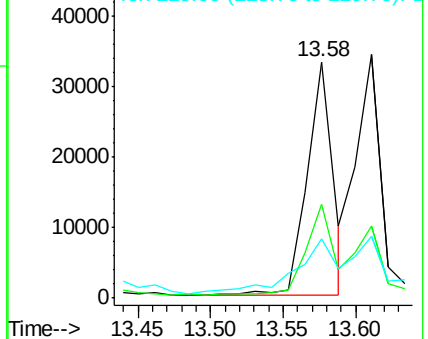
229 25.0 16.2 24.2#

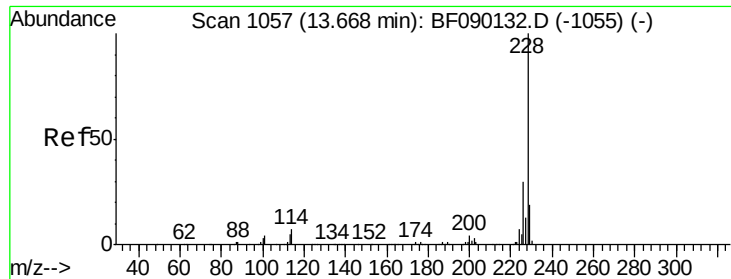


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.96 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.05 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

Instrument :

BNA_F

ClientSampleId :

S-32

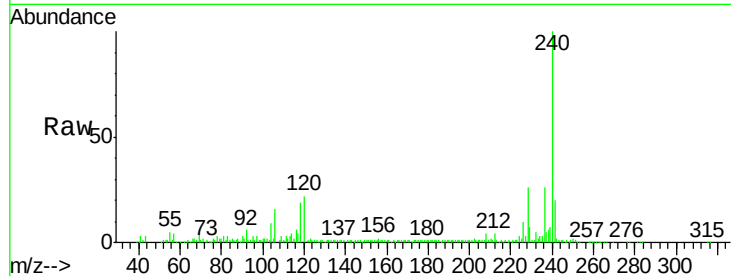
Tgt Ion:228 Resp: 40574

Ion Ratio Lower Upper

228 100

226 39.7 24.6 37.0#

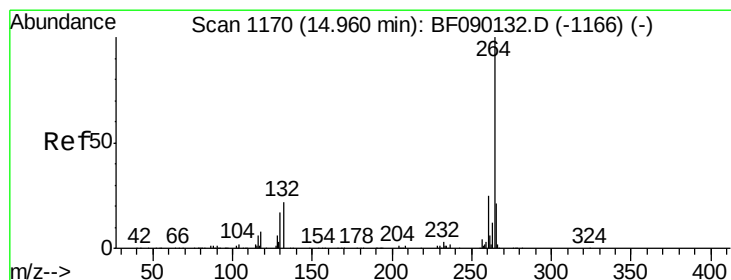
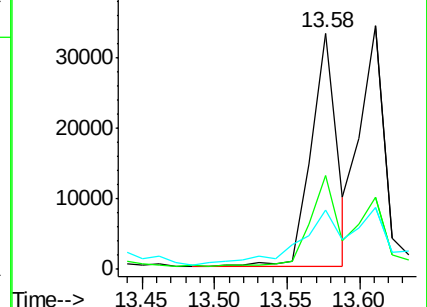
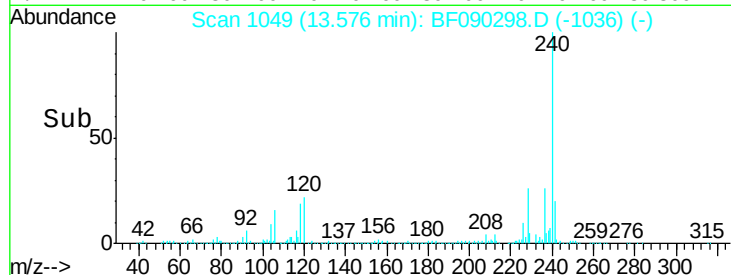
229 25.0 16.2 24.4#



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: 14.91 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF090298.D

Acq: 29 Sep 2016 19:16

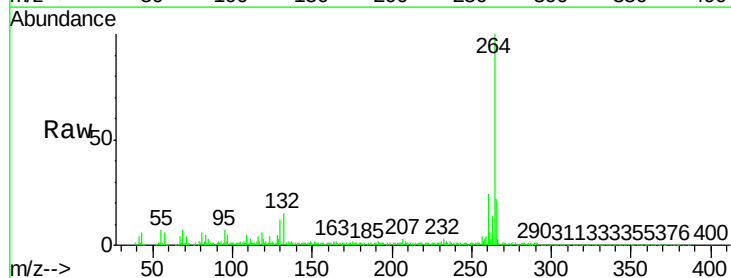
Tgt Ion:264 Resp: 196145

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

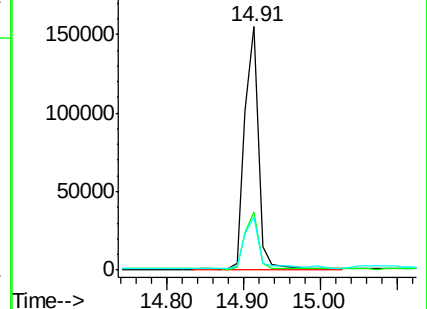
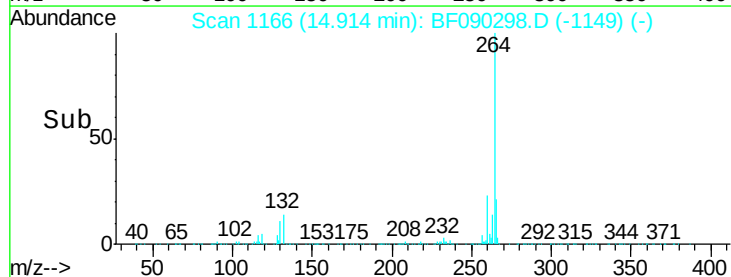
265 21.6 17.0 25.4

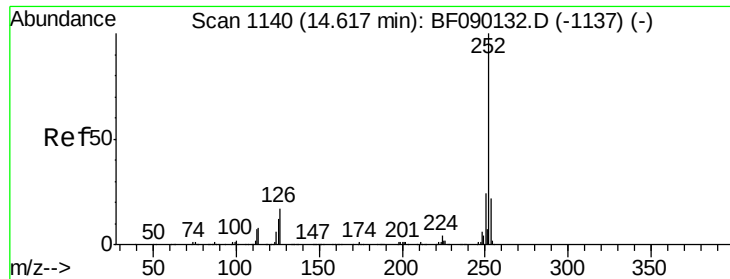


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

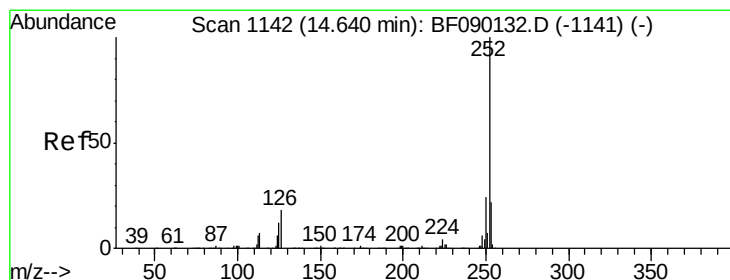
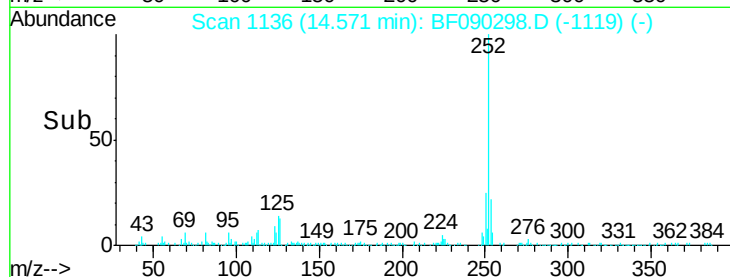
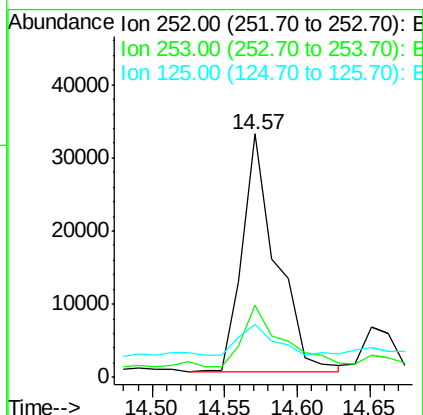
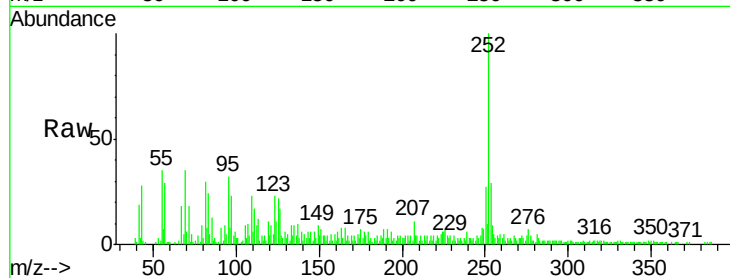




#87
Benzo(b)fluoranthene
Concen: 4.84 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF090298.D
Acq: 29 Sep 2016 19:16

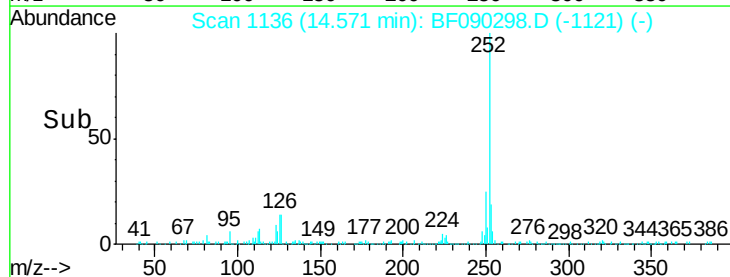
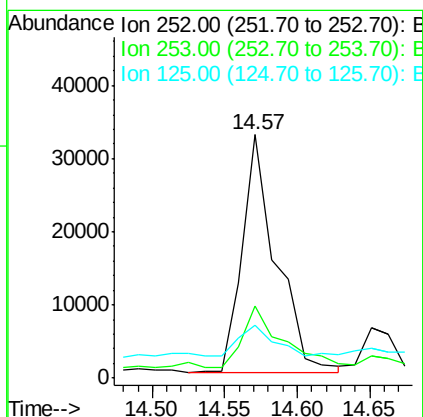
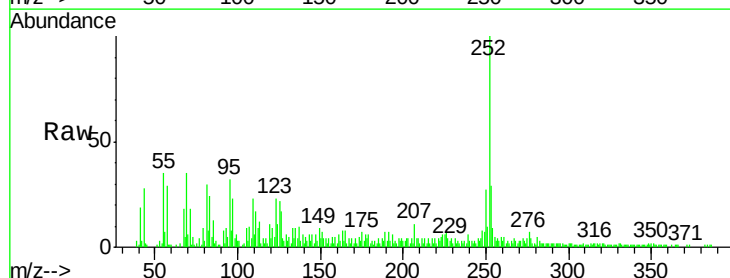
Instrument :
BNA_F
ClientSampleId :
S-32

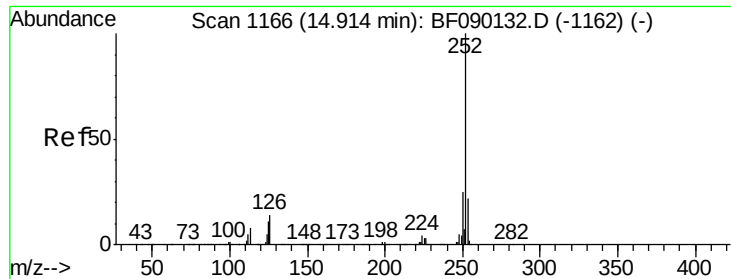
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.9	26.9#
125	21.7	12.7	19.1#



#88
Benzo(k)fluoranthene
Concen: 5.15 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090298.D
Acq: 29 Sep 2016 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.8	26.8#
125	21.7	7.8	11.6#

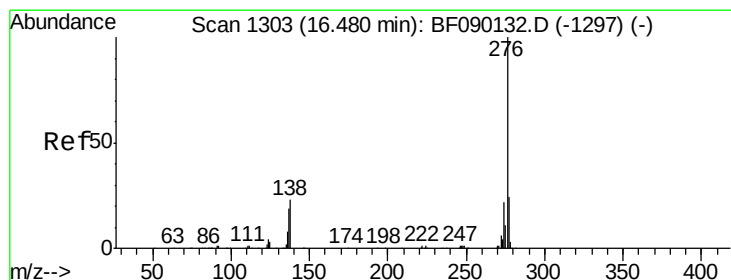
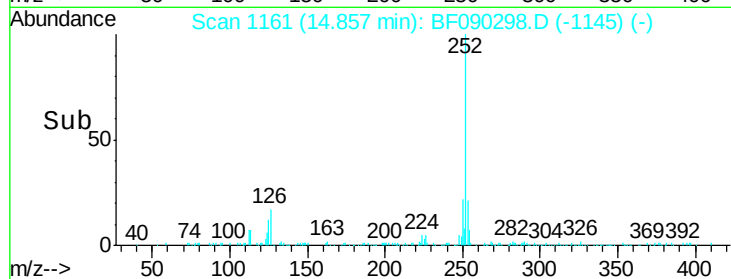
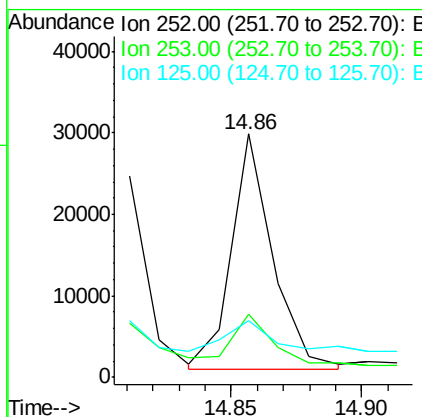
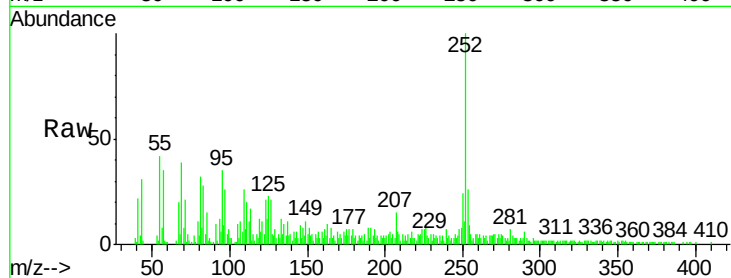




#89
Benzo(a)pyrene
Concen: 3.10 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090298.D
Acq: 29 Sep 2016 19:16

Instrument :
BNA_F
ClientSampled :
S-32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.0#
125	23.5	7.7	11.5#



#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 16.40 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF090298.D
Acq: 29 Sep 2016 19:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	18.9	28.3#
138	30.9	23.3	34.9

