

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092816\
 Data File : BF090284.D
 Acq On : 28 Sep 2016 18:21
 Operator : UM/SJ
 Sample : H4982-03 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-7

Quant Time: Sep 29 11:45:58 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

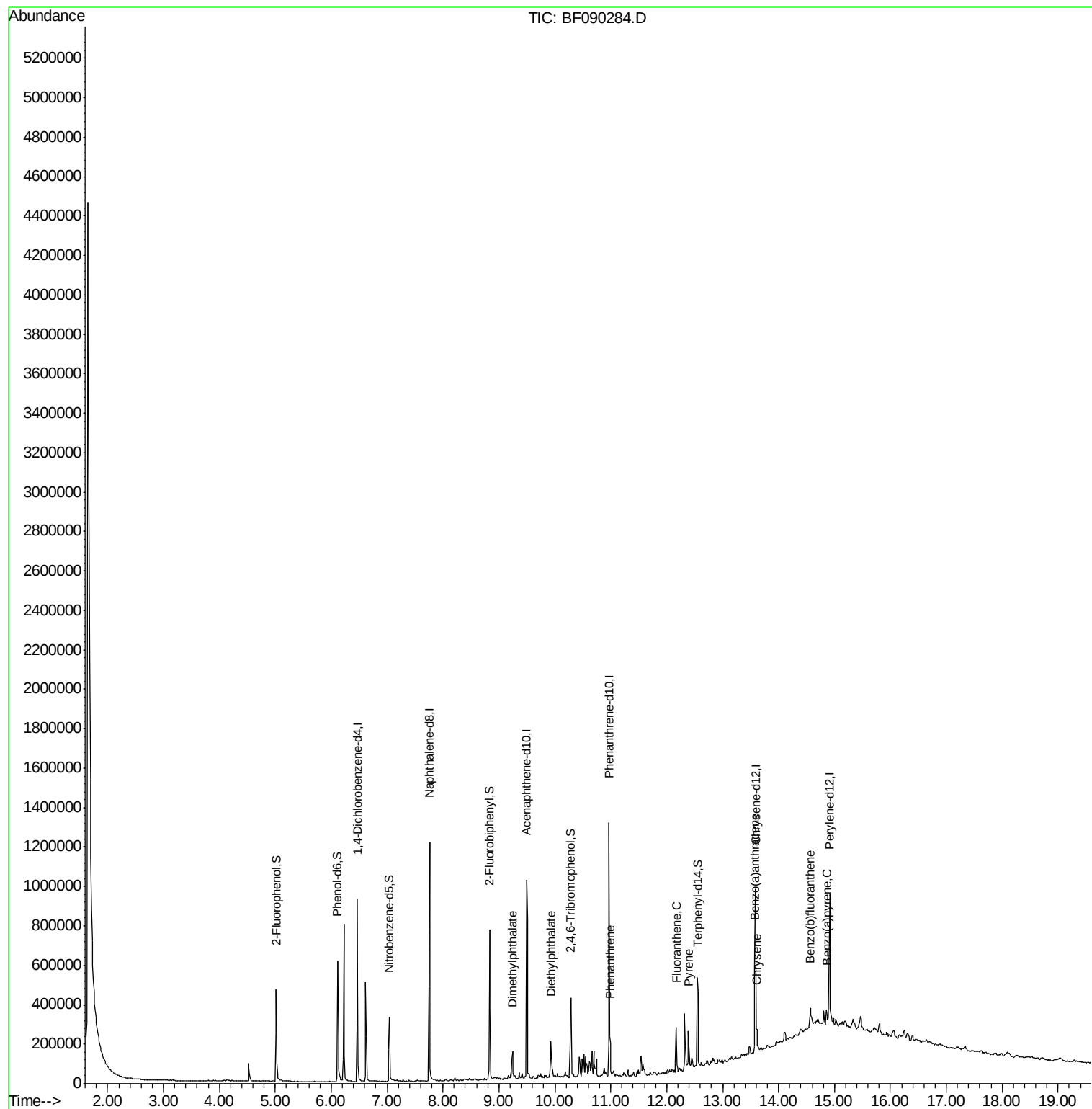
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.47	152	165555	20.00	ng	-0.01
21) Naphthalene-d8	7.76	136	644203	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	316994	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	457160	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	328990	20.00	ng	-0.01
86) Perylene-d12	14.91	264	303632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	205954	20.28	ng	-0.01
7) Phenol-d6	6.11	99	285195	22.74	ng	-0.02
23) Nitrobenzene-d5	7.04	82	160037	14.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	57408	21.11	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	300122	18.59	ng	-0.02
78) Terphenyl-d14	12.56	244	204727	15.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	87464	4.33	ng	100
59) Diethylphthalate	9.93	149	119536	6.13	ng	97
70) Phenanthrene	10.99	178	54361	2.54	ng	99
74) Fluoranthene	12.17	202	90835	3.96	ng	95
77) Pyrene	12.39	202	81711	3.63	ng	95
80) Benzo(a)anthracene	13.58	228	35706m	2.02	ng	
82) Chrysene	13.61	228	37757m	2.19	ng	
87) Benzo(b)fluoranthene	14.57	252	47918m	2.85	ng	
89) Benzo(a)pyrene	14.86	252	32149	2.03	ng	# 87

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

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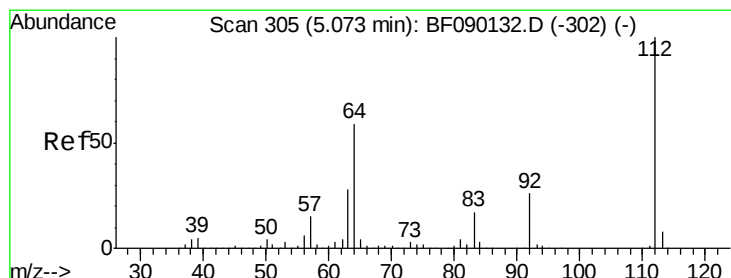
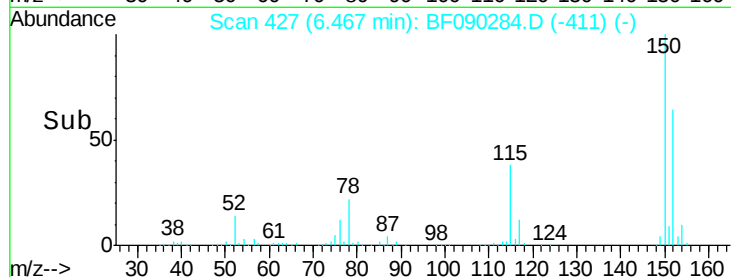
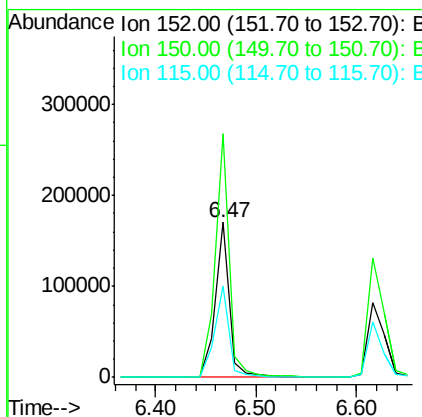
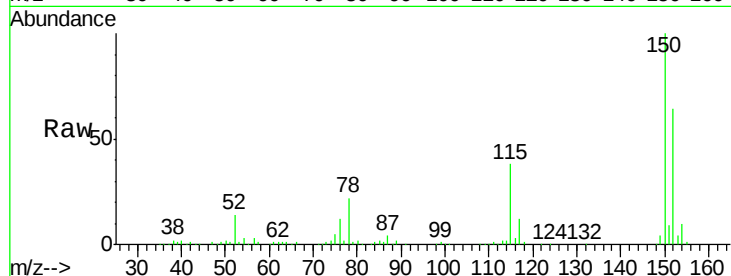




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.47 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

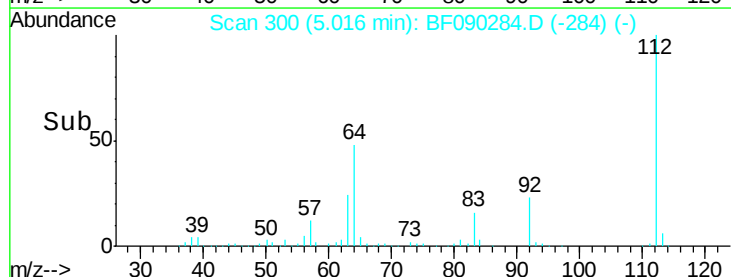
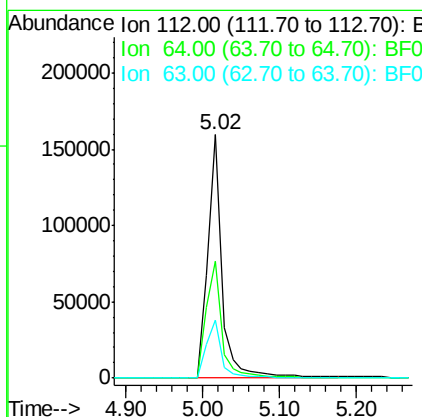
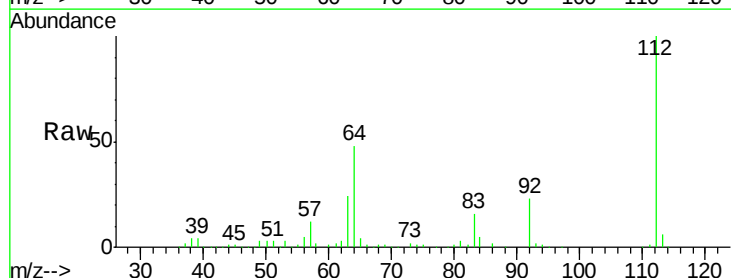
Instrument :
 BNA_F
 ClientSampleId :
 S-7

Tot Ion:152 Resp: 165555
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.9 193.3
 115 58.9 55.5 83.3



#5
 2-Fluorophenol
 Concen: 20.28 ng
 RT: 5.02 min Scan# 300
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Tgt Ion:112 Resp: 205954
 Ion Ratio Lower Upper
 112 100
 64 48.0 39.8 59.6
 63 23.6 18.9 28.3





#7

Phenol-d6

Concen: 22.74 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.02 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

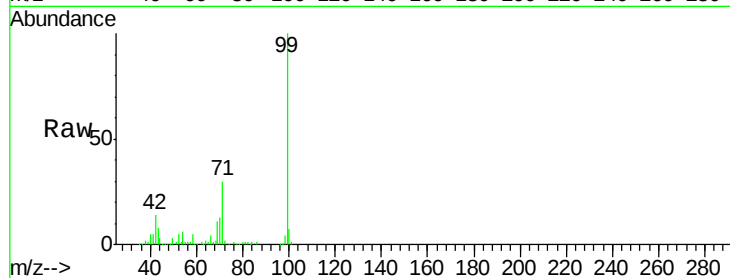
BNA_F

ClientSampleId :

S-7

Tot Ion: 99 Resp: 285195

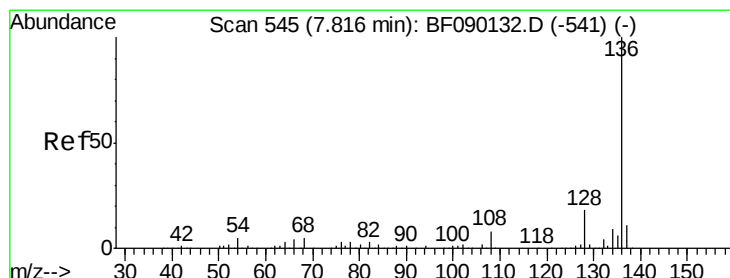
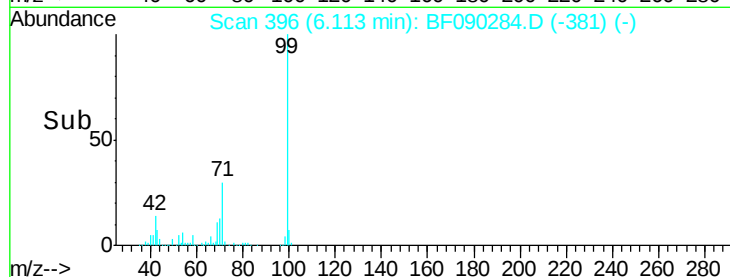
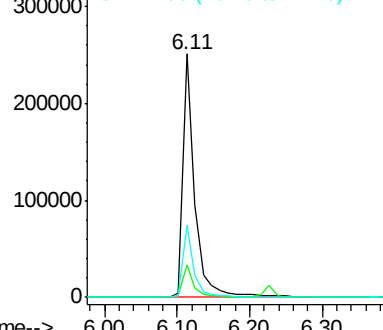
Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	15.8
71	29.6	23.0	34.6



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: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Tgt Ion: 136 Resp: 644203

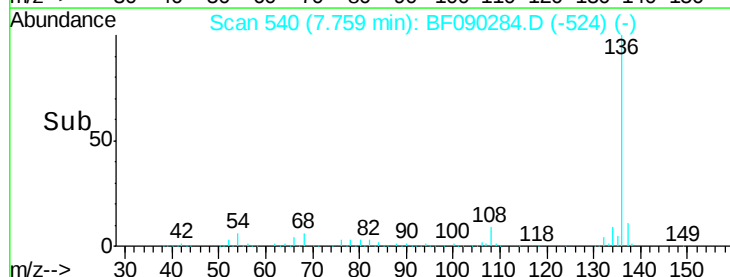
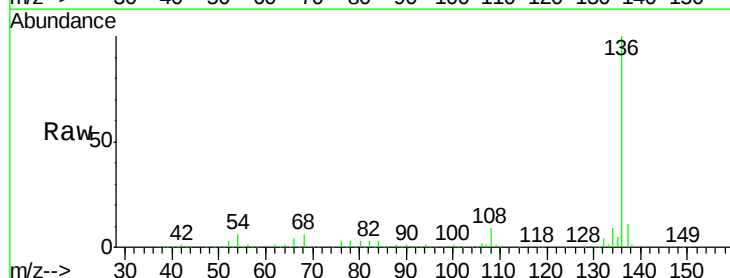
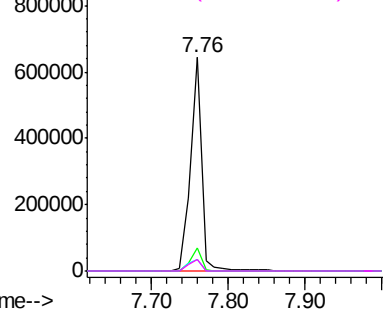
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	5.7	6.4	9.6#
68	5.6	6.3	9.5#

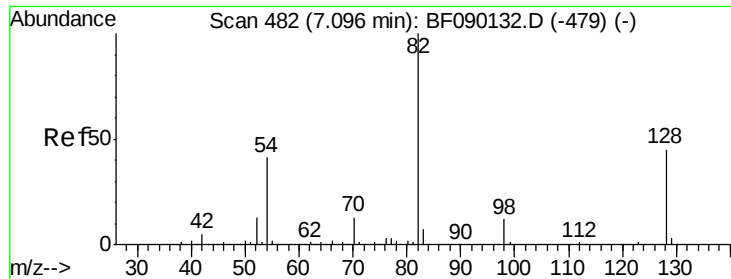
Abundance Ion 136.00 (135.70 to 136.70): E

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

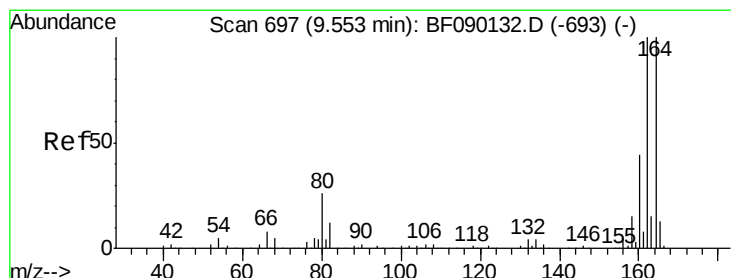
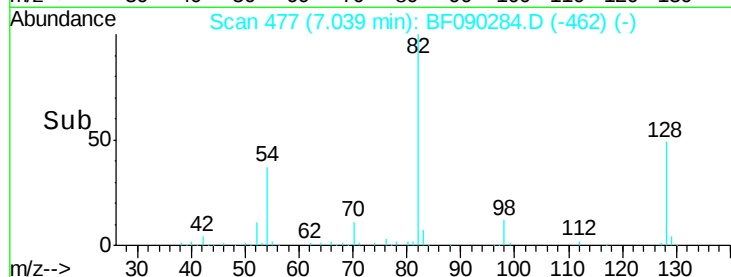
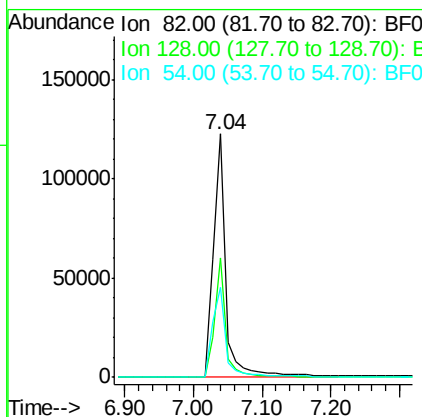
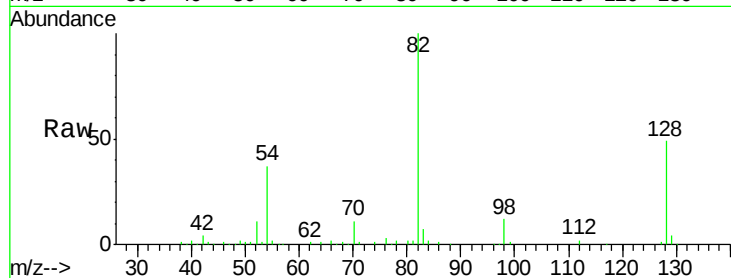




#23
 Nitrobenzene-d5
 Concen: 14.40 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

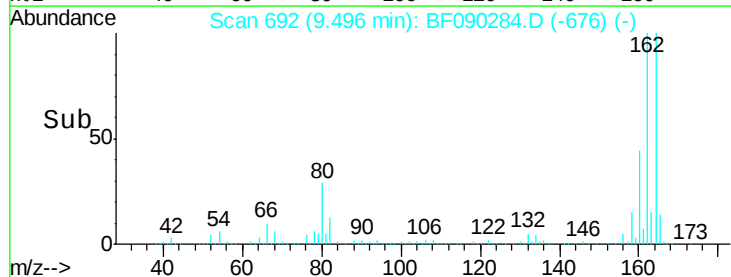
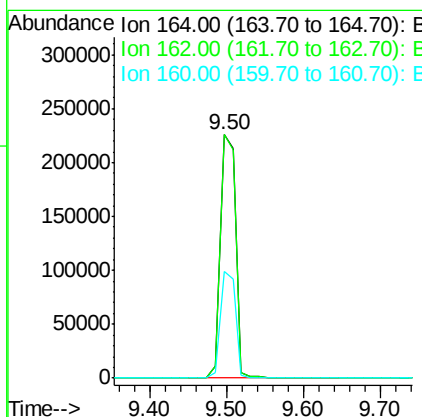
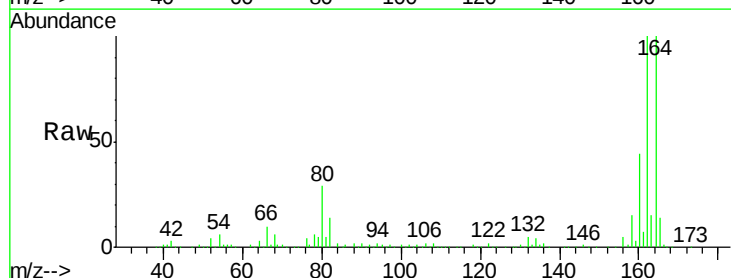
Instrument :
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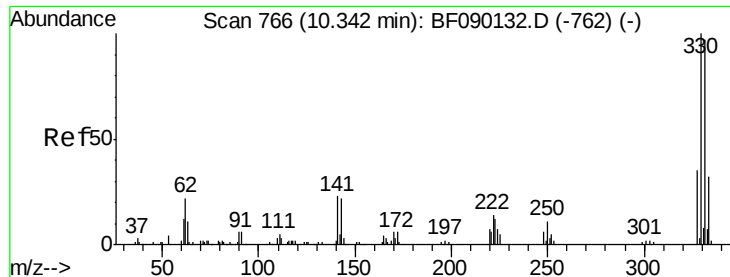
Tot Ion: 82 Resp: 160037
 Ion Ratio Lower Upper
 82 100
 128 49.2 37.5 56.3
 54 37.1 31.9 47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Tgt Ion: 164 Resp: 316994
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.4 122.2
 160 43.7 36.6 54.8

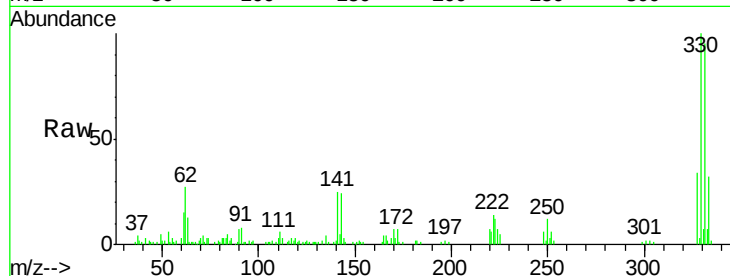




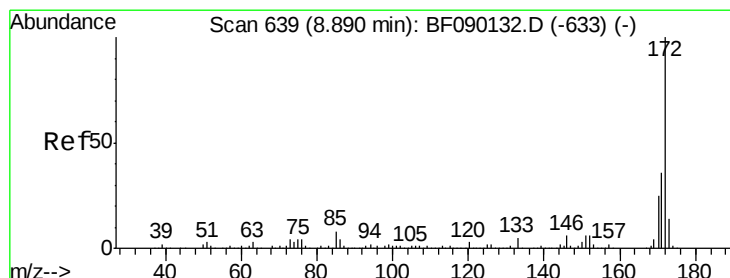
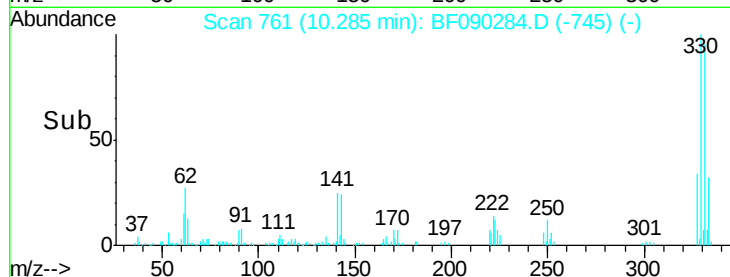
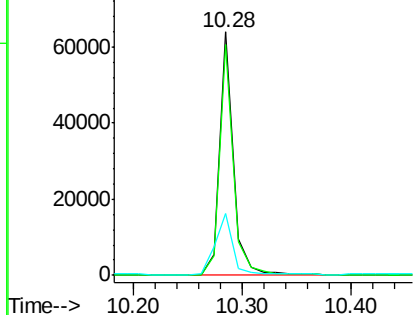
#41
 2,4,6-Tribromophenol
 Concen: 21.11 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Instrument :
 BNA_F
 ClientSampleId :
 S-7

Tot Ion:330 Resp: 57408
 Ion Ratio Lower Upper
 330 100
 332 94.8 78.1 117.1
 141 34.6 23.9 35.9

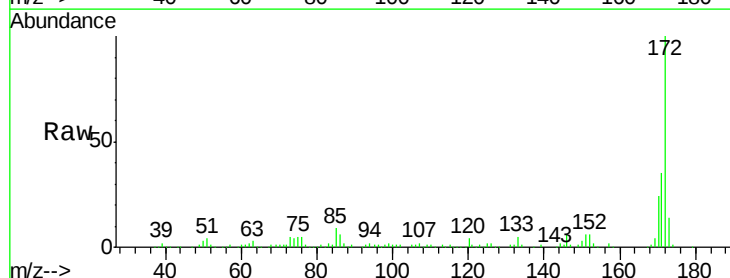


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

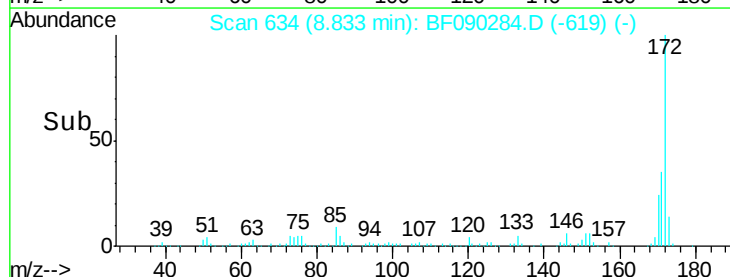
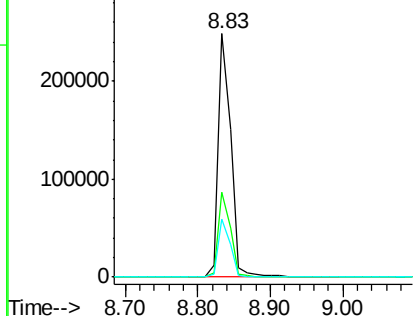


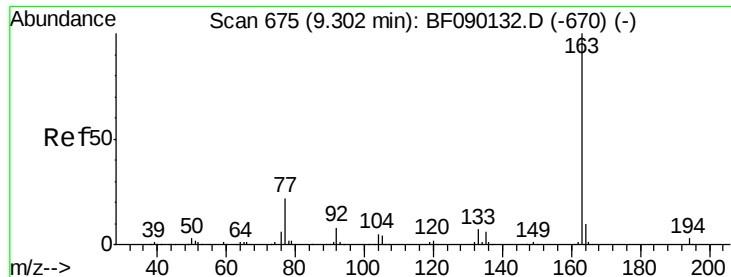
#44
 2-Fluorobiphenyl
 Concen: 18.59 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Tgt Ion:172 Resp: 300122
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.2 43.8
 170 23.6 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: 4.33 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

S-7

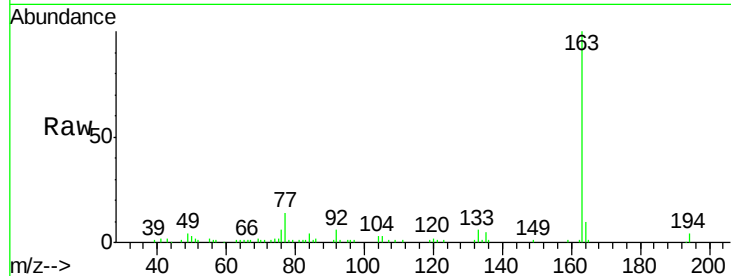
Tot Ion:163 Resp: 87464

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

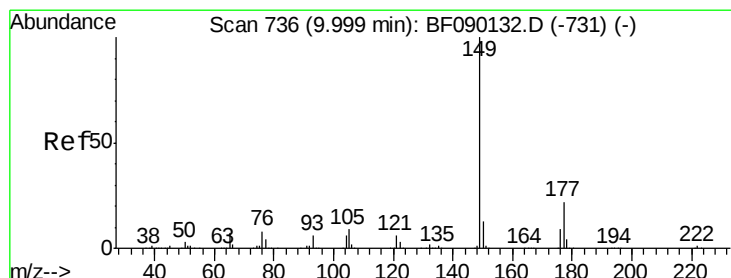
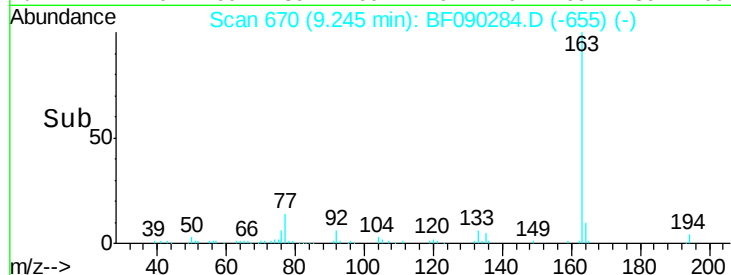
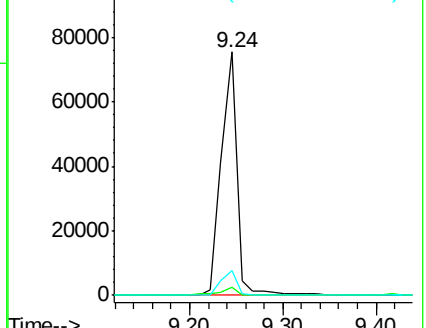
164 10.0 8.1 12.1



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



#59

Diethylphthalate

Concen: 6.13 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

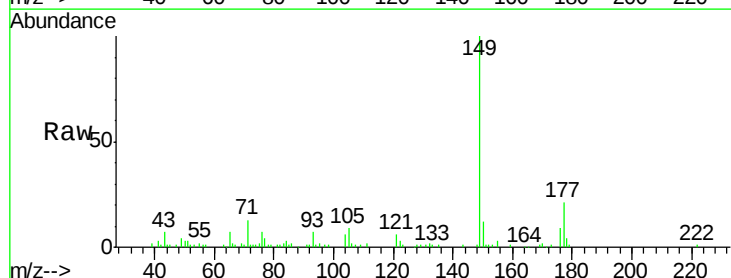
Tgt Ion:149 Resp: 119536

Ion Ratio Lower Upper

149 100

177 21.2 15.8 23.6

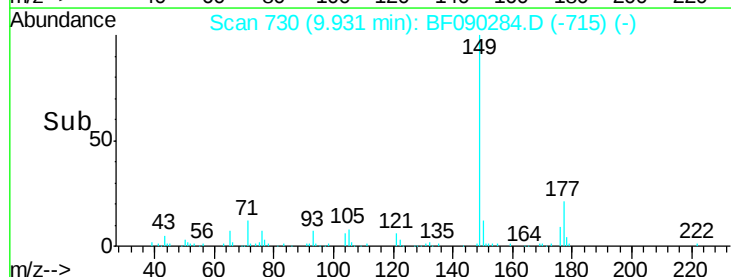
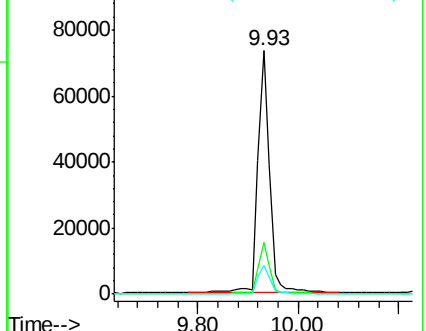
150 11.9 10.4 15.6

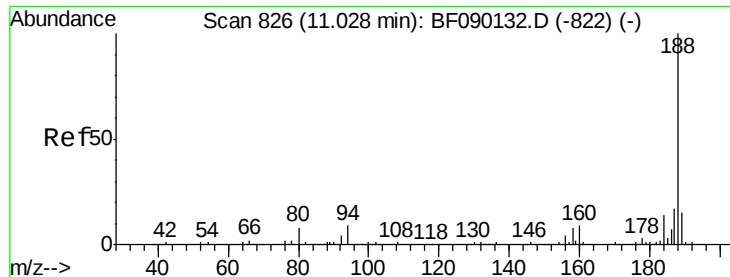


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

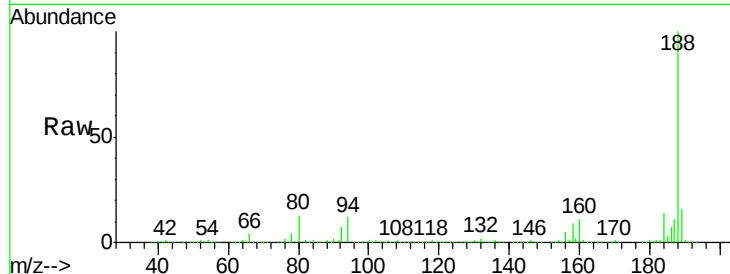




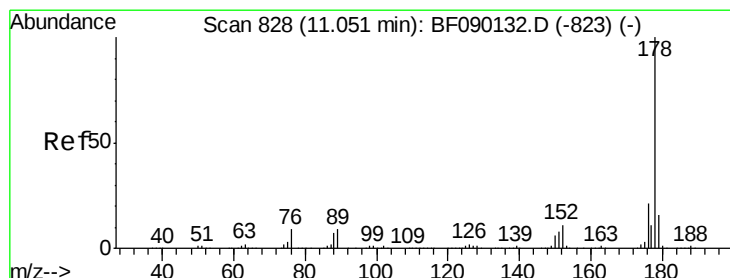
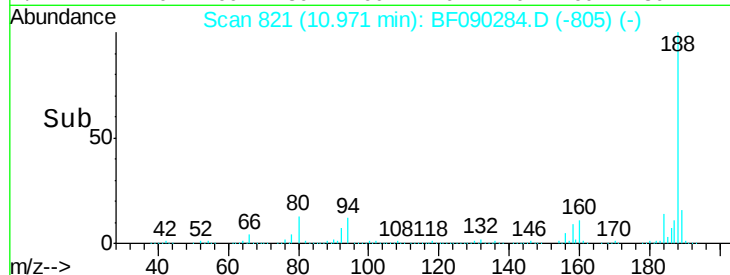
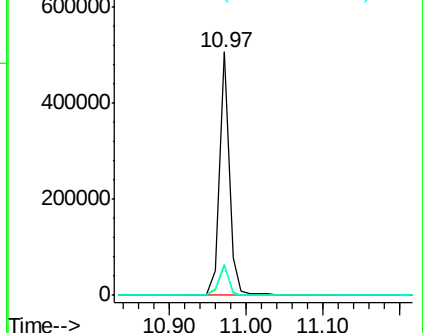
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Instrument :
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ClientSampleId :
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Tot Ion:188 Resp: 457160
Ion Ratio Lower Upper
188 100
94 12.5 10.5 15.7
80 12.8 11.2 16.8

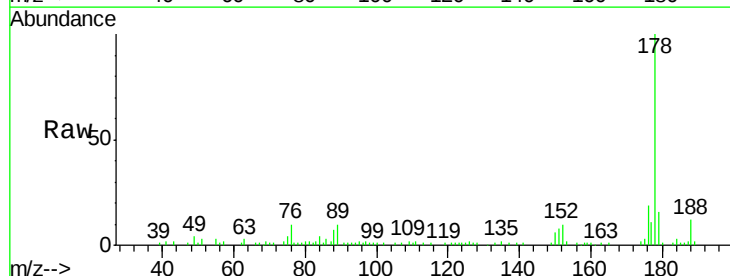


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

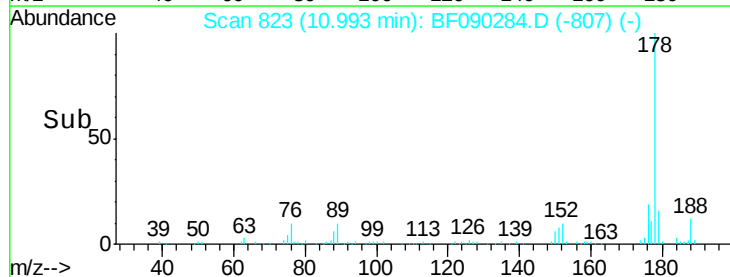
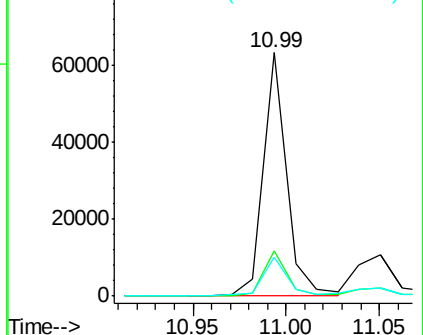


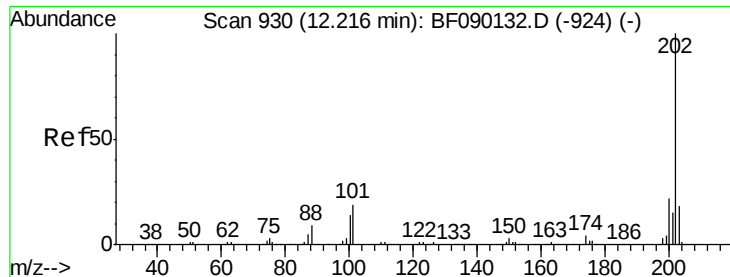
#70
Phenanthrene
Concen: 2.54 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion:178 Resp: 54361
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 16.0 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

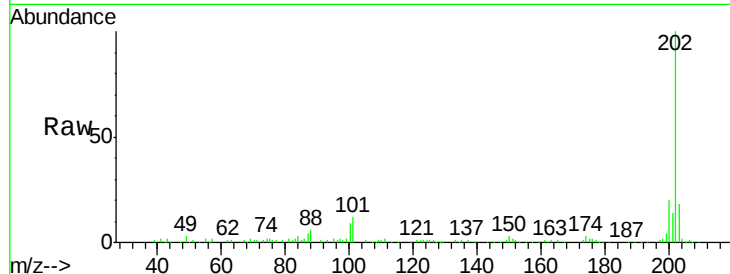




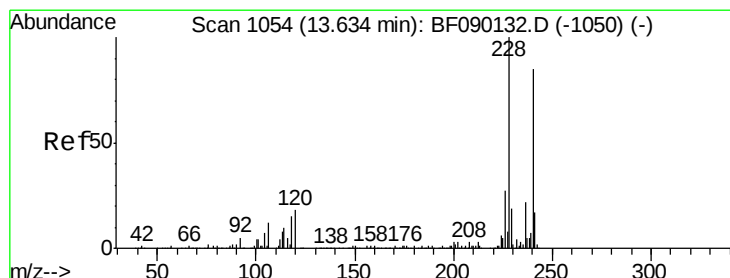
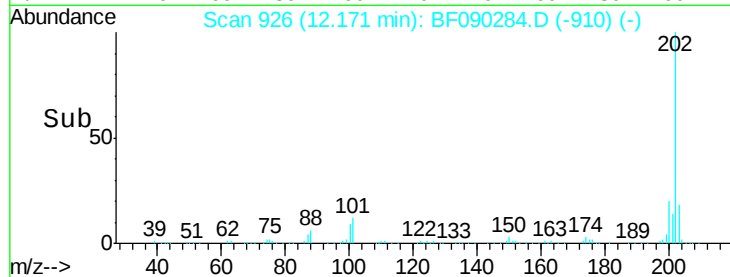
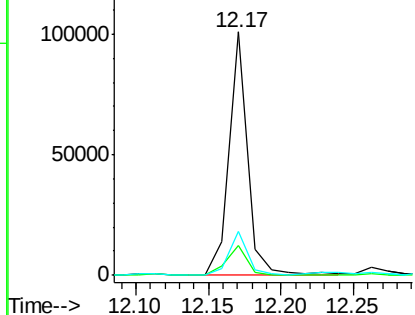
#74
 Fluoranthene
 Concen: 3.96 ng
 RT: 12.17 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	36.1
203	17.8	0.0	38.2

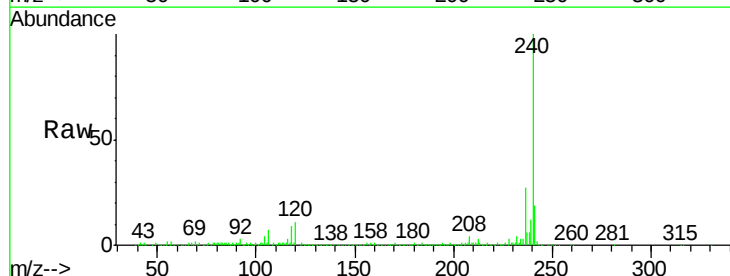


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

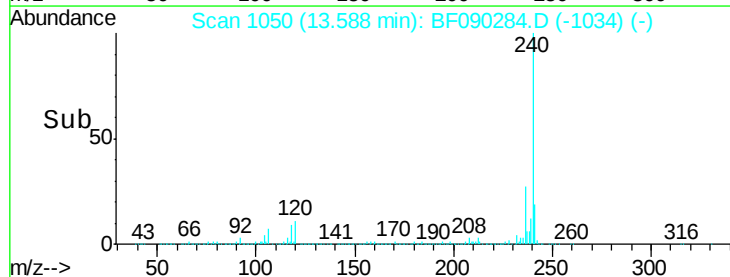
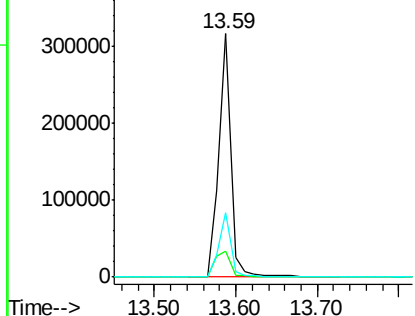


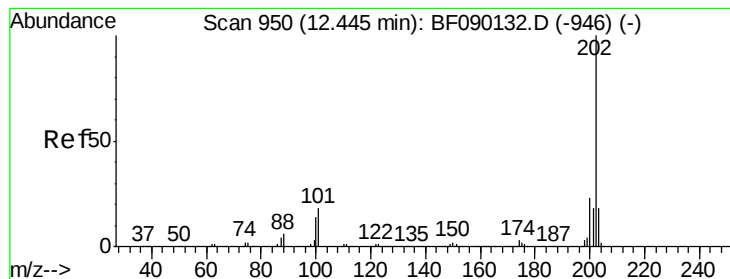
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.6	16.0
236	26.5	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

Pvrene

Concen: 3.63 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :
BNA_F
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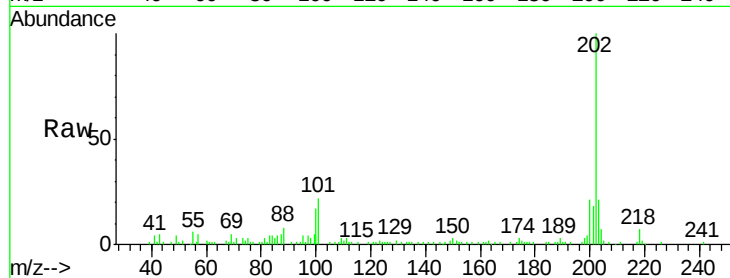
Tot Ion:202 Resp: 81711

Ion Ratio Lower Upper

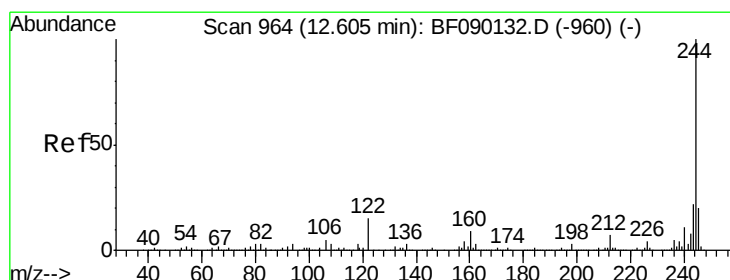
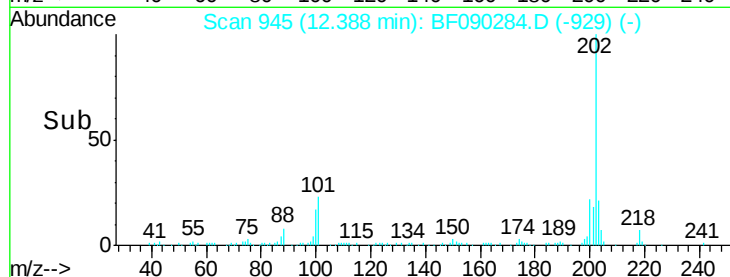
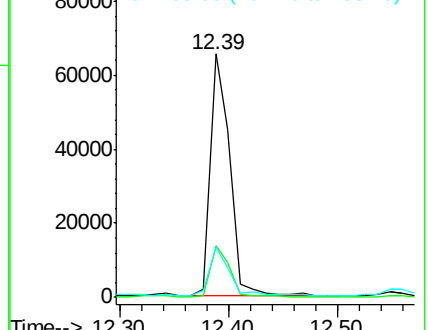
202 100

200 21.1 17.9 26.9

203 20.8 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: 15.80 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

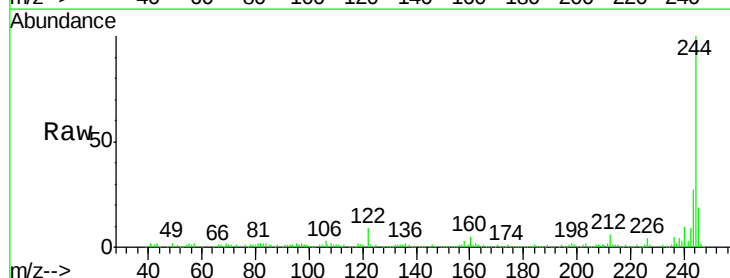
Tgt Ion:244 Resp: 204727

Ion Ratio Lower Upper

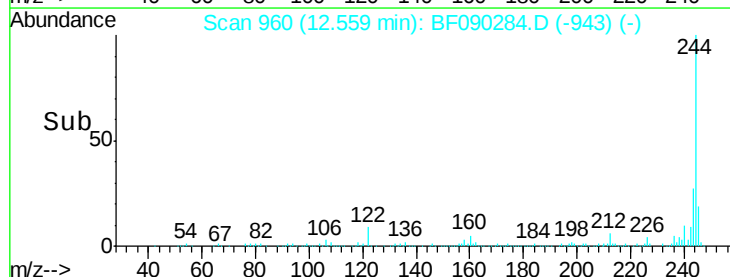
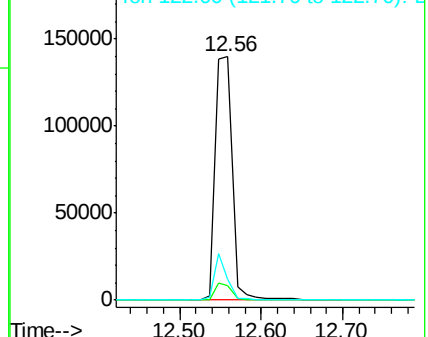
244 100

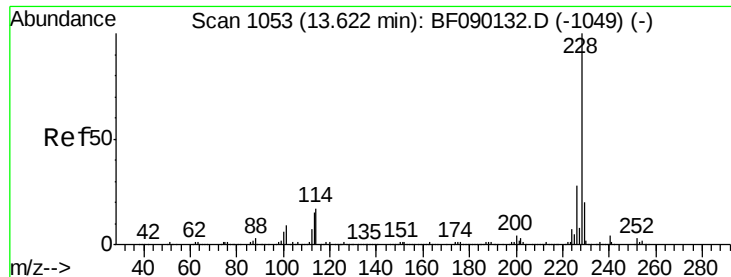
212 6.1 5.8 8.8

122 8.5 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: 2.02 ng m

RT: 13.58 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

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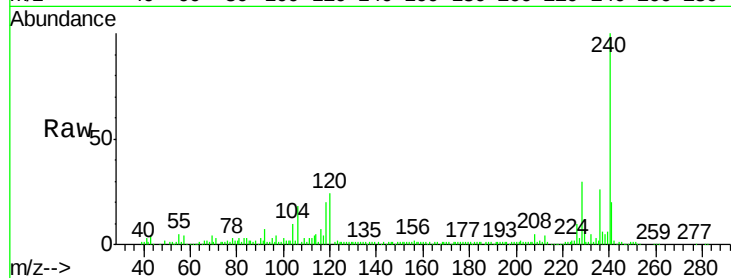
Tot Ion:228 Resp: 35706

Ion Ratio Lower Upper

228 100

226 35.0 22.0 33.0#

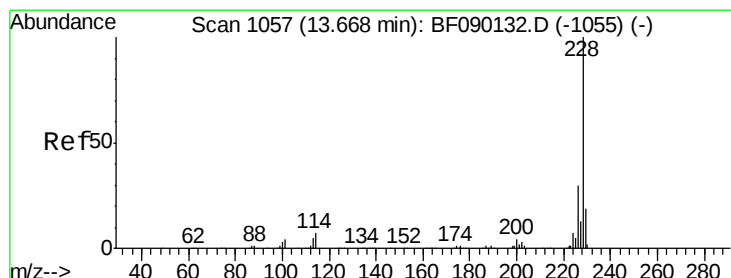
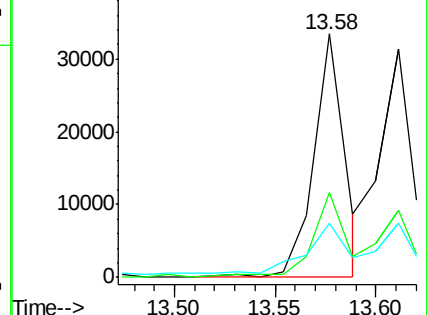
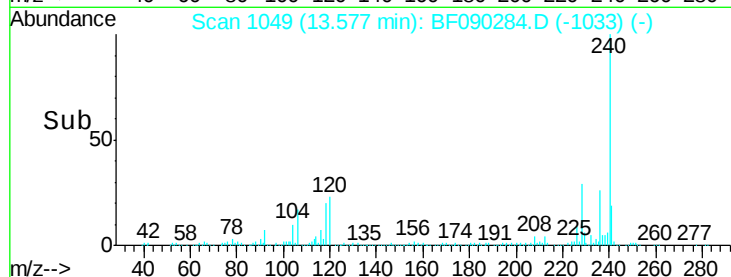
229 22.1 16.2 24.2



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: 2.19 ng m

RT: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

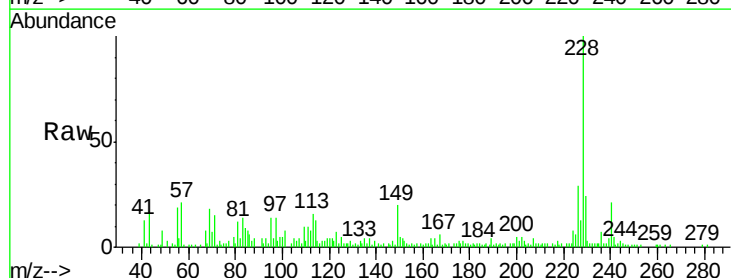
Tgt Ion:228 Resp: 37757

Ion Ratio Lower Upper

228 100

226 29.2 24.6 37.0

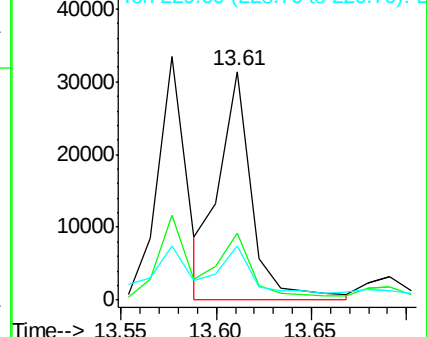
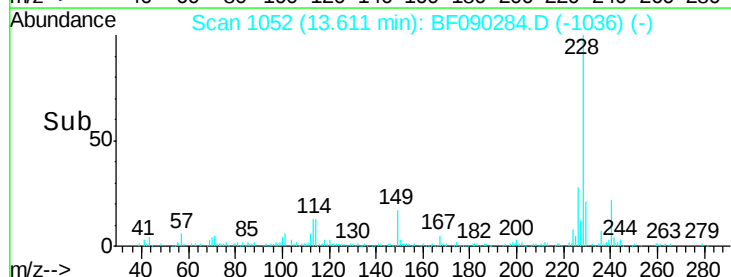
229 23.7 16.2 24.4

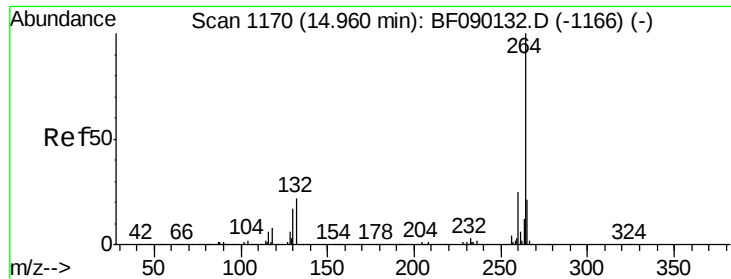


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

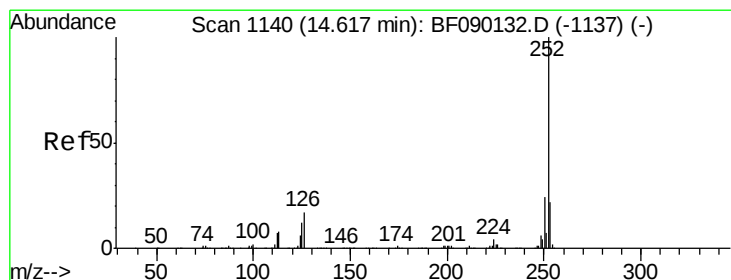
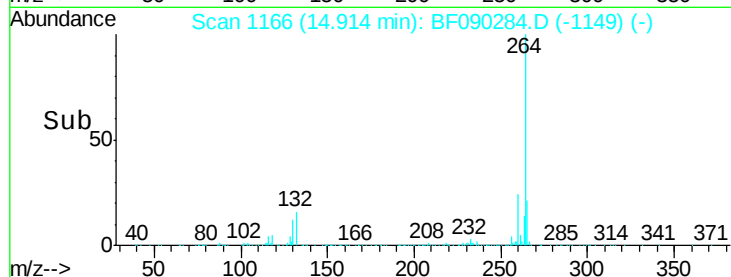
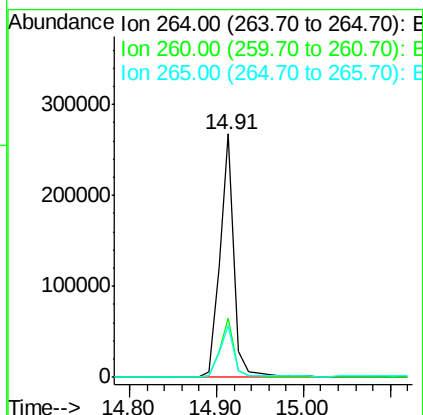
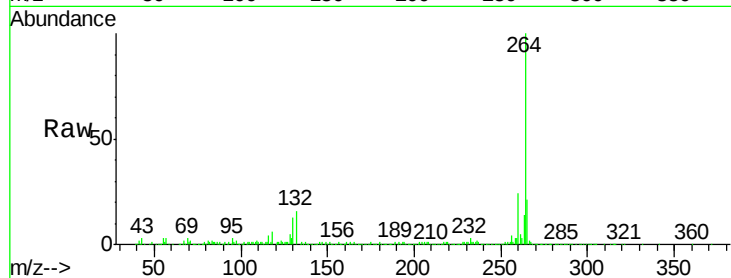




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

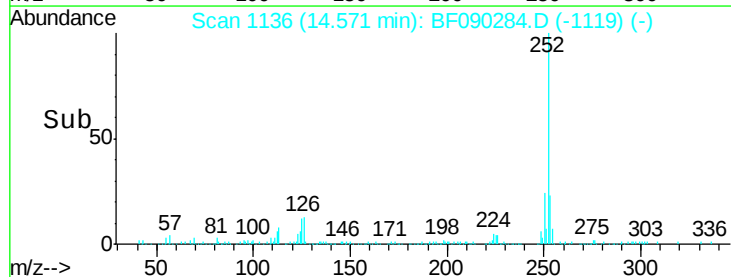
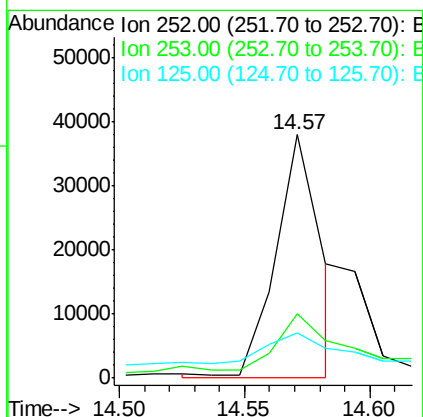
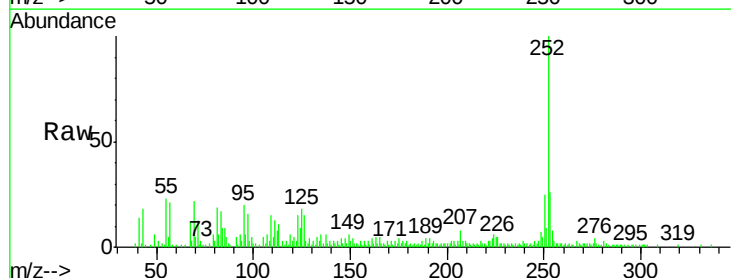
Instrument :
BNA_F
ClientSampleId :
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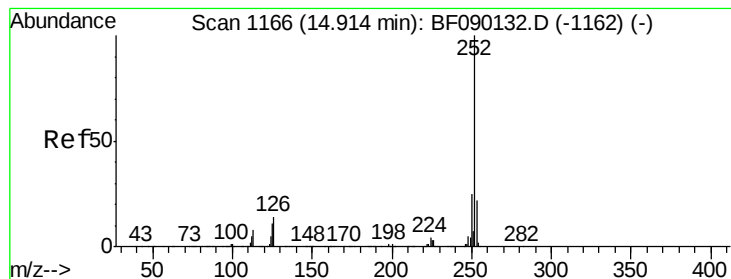
Tot Ion:264 Resp: 303632
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.4 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 2.85 ng m
RT: 14.57 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion:252 Resp: 47918
Ion Ratio Lower Upper
252 100
253 26.3 17.9 26.9
125 18.4 12.7 19.1

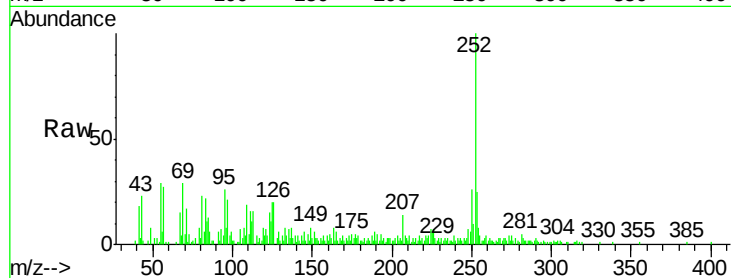




#89
 Benzo(a)pyrene
 Concen: 2.03 ng
 RT: 14.86 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Instrument :
 BNA_F
 ClientSampleId :
 S-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	20.5	7.7	11.5



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

