

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092816\
 Data File : BF090281.D
 Acq On : 28 Sep 2016 15:38
 Operator : UM/SJ
 Sample : H4982-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4

Quant Time: Sep 28 17:53:34 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

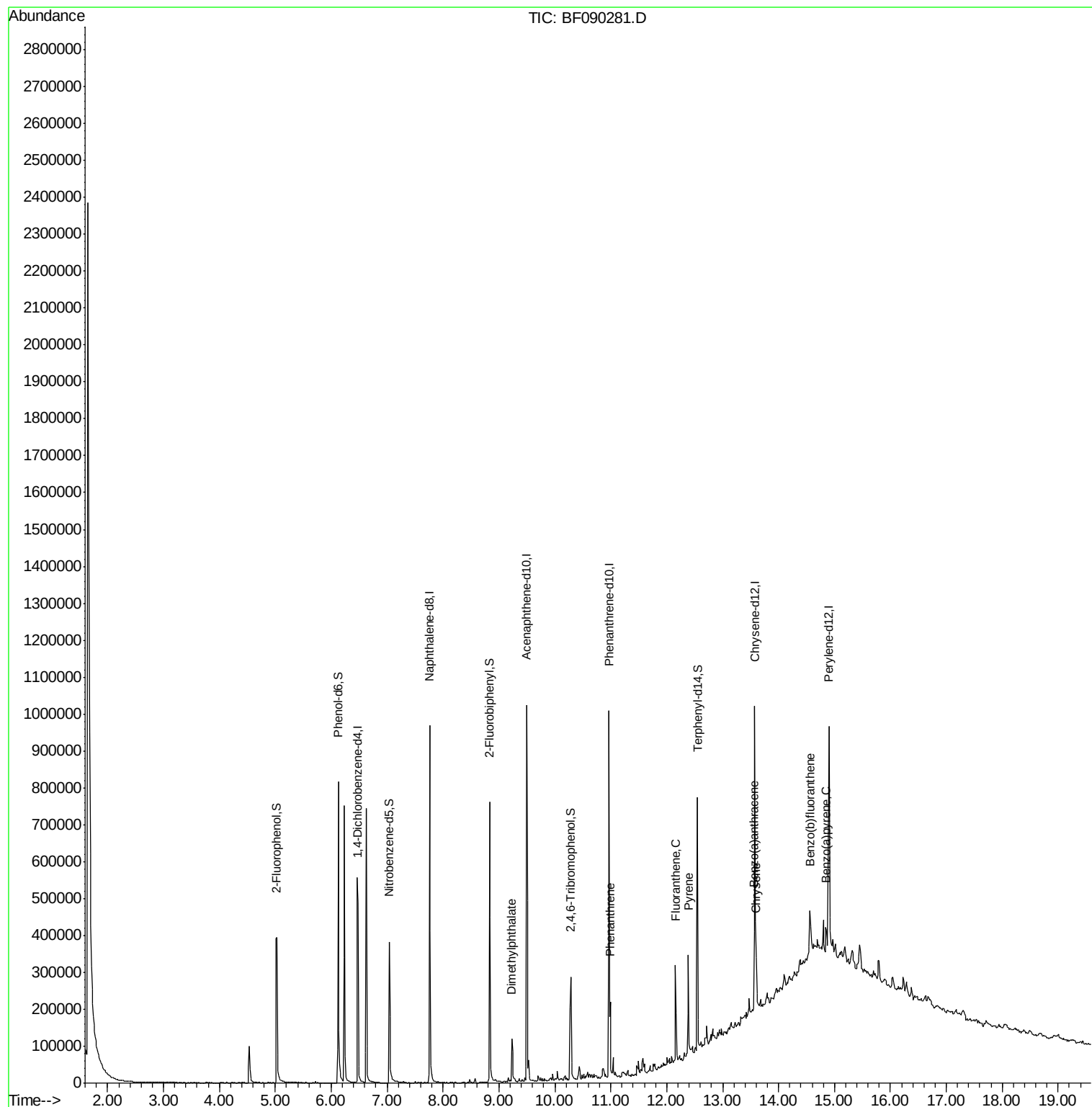
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	137659m	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	528284m	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	271508	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	428604	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	291514	20.00	ng	-0.02
86) Perylene-d12	14.90	264	270883	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	225638	26.72	ng	0.00
7) Phenol-d6	6.12	99	353120	33.86	ng	-0.01
23) Nitrobenzene-d5	7.04	82	181942m	19.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	50772	21.80	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	328128	23.73	ng	-0.02
78) Terphenyl-d14	12.55	244	218560	19.03	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.23	163	75743	4.38	ng	# 96
70) Phenanthrene	10.99	178	94839	4.73	ng	98
74) Fluoranthene	12.16	202	126542	5.88	ng	97
77) Pyrene	12.39	202	113357	5.68	ng	97
80) Benzo(a)anthracene	13.57	228	51943	3.31	ng	93
82) Chrysene	13.60	228	40225m	2.63	ng	
87) Benzo(b)fluoranthene	14.56	252	53613m	3.57	ng	
89) Benzo(a)pyrene	14.85	252	36372	2.58	ng	# 80

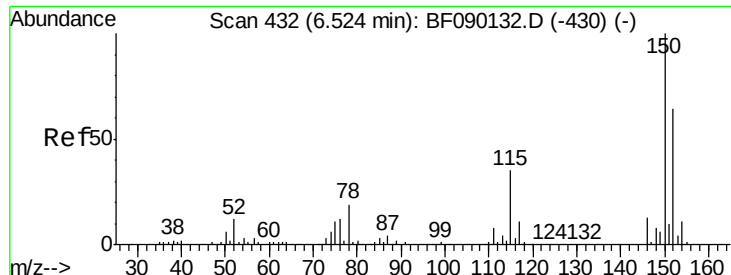
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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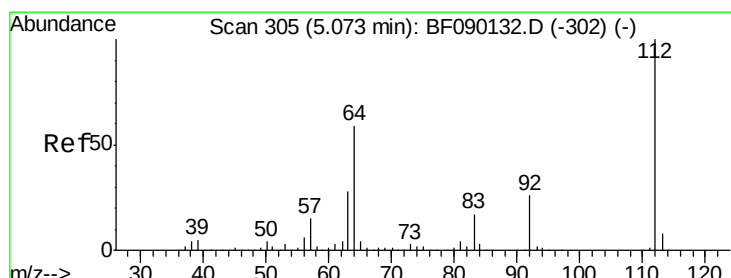
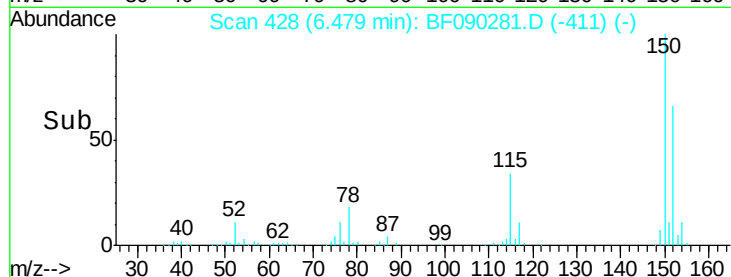
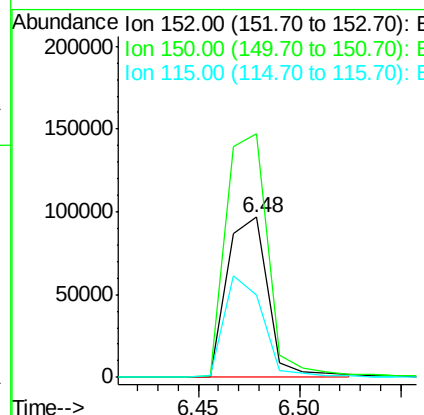
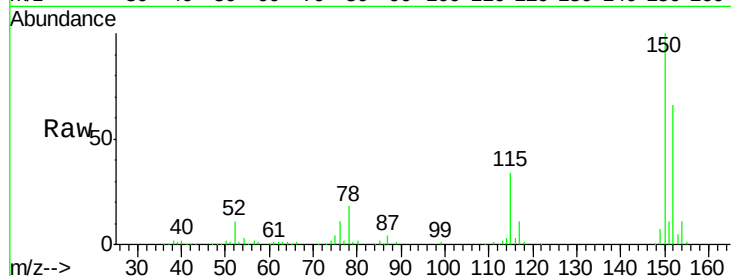




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.48 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

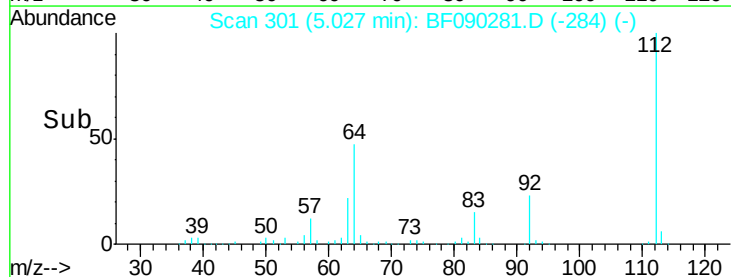
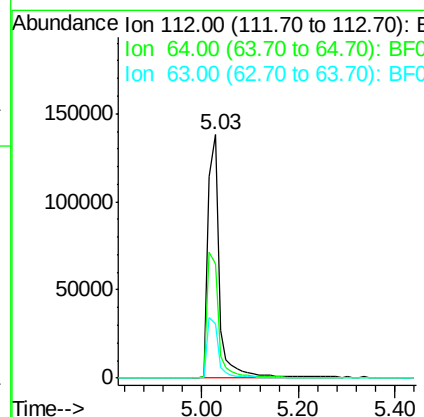
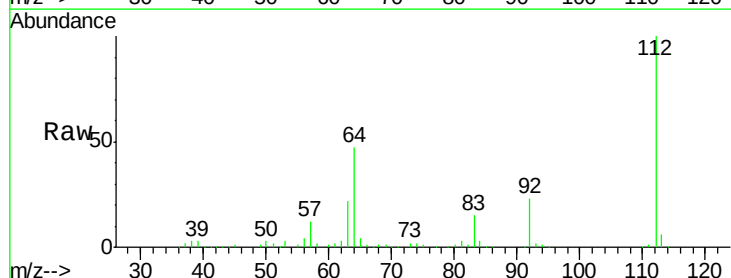
Instrument :
 BNA_F
 ClientSampleId :
 S-4

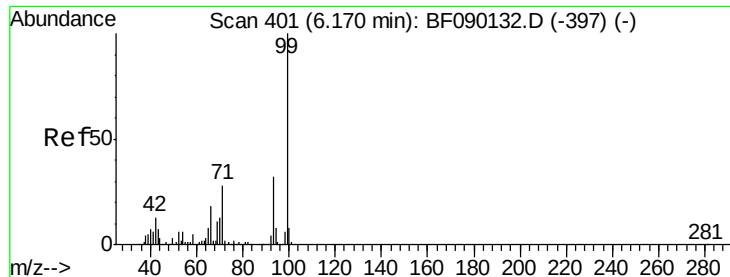
Tot Ion:152 Resp: 137659
 Ion Ratio Lower Upper
 152 100
 150 152.0 128.9 193.3
 115 51.5 55.5 83.3#



#5
 2-Fluorophenol
 Concen: 26.72 ng
 RT: 5.03 min Scan# 301
 Delta R.T. -0.00 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Tgt Ion:112 Resp: 225638
 Ion Ratio Lower Upper
 112 100
 64 47.1 39.8 59.6
 63 22.0 18.9 28.3





#7

Phenol-d6

Concen: 33.86 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampleId :

S-4

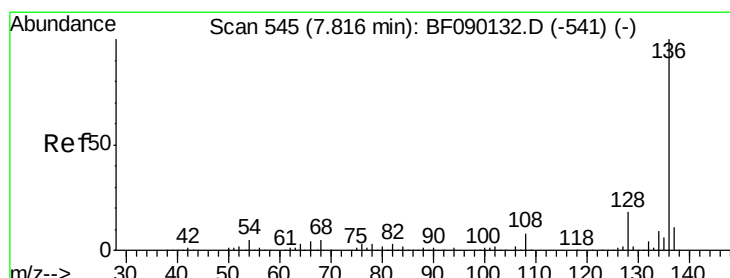
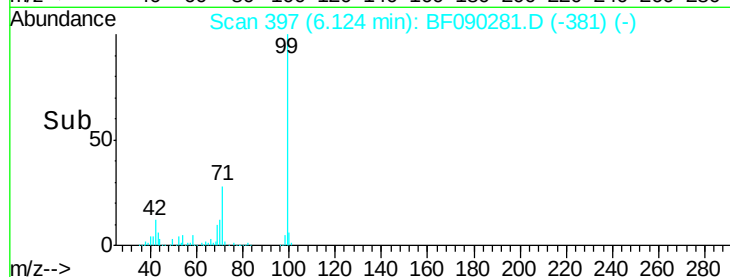
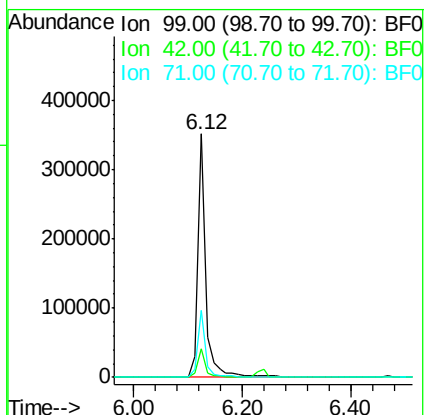
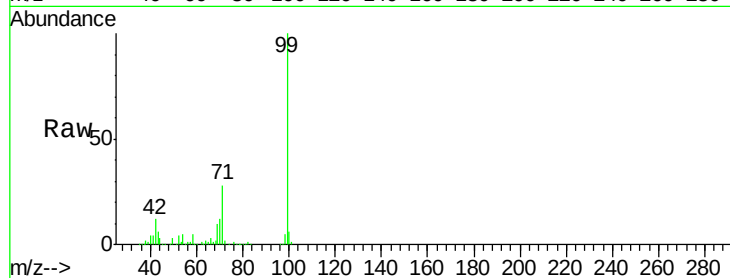
Tot Ion: 99 Resp: 353120

Ion Ratio Lower Upper

99 100

42 11.8 10.6 15.8

71 27.6 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Tgt Ion: 136 Resp: 528284

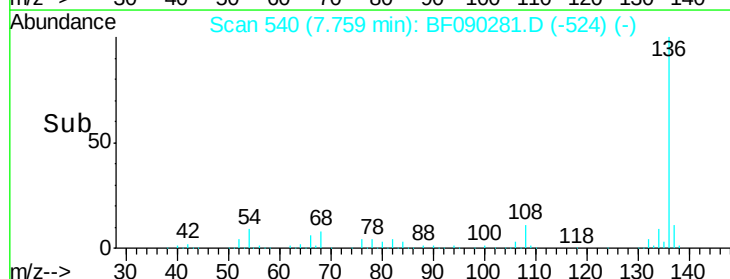
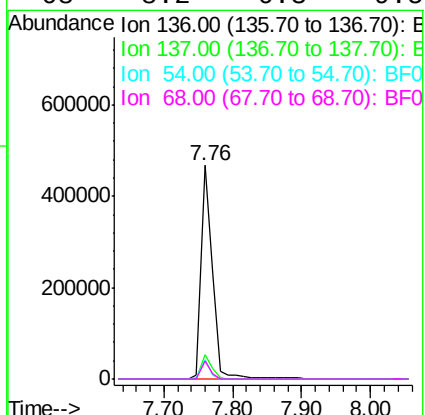
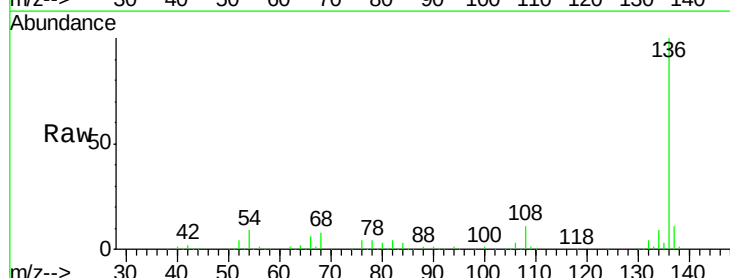
Ion Ratio Lower Upper

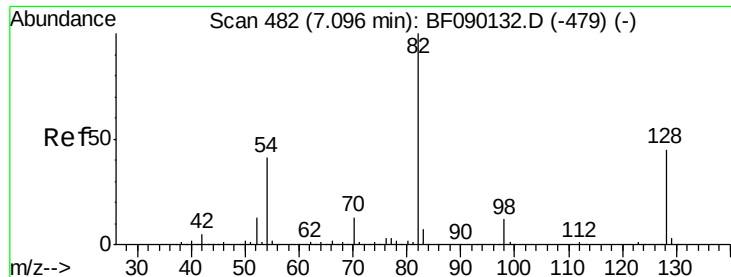
136 100

137 11.3 9.0 13.4

54 9.1 6.4 9.6

68 8.2 6.3 9.5

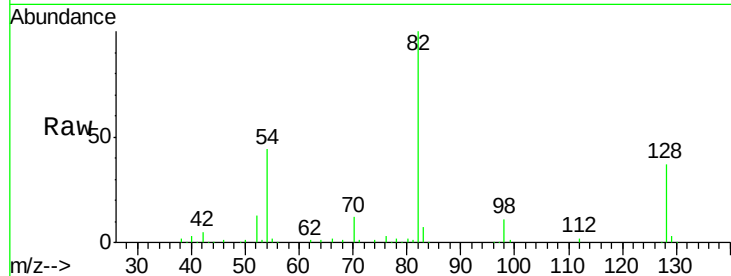




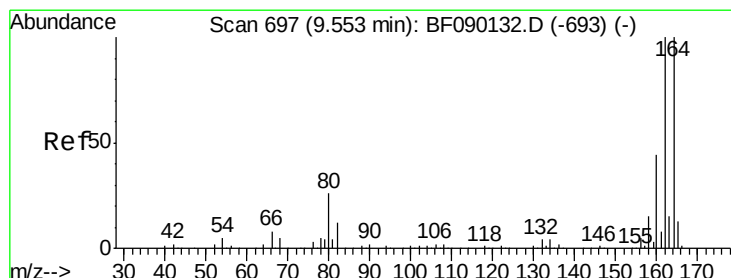
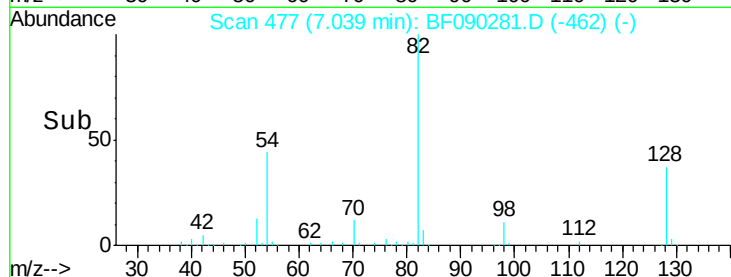
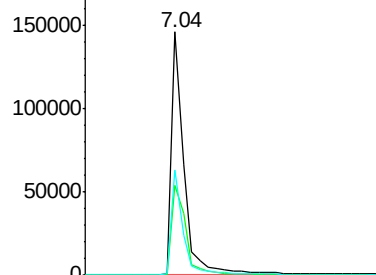
#23
 Nitrobenzene-d5
 Concen: 19.96 ng/ml
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Instrument :
 BNA_F
 ClientSampled :
 S-4

Tot Ion: 82 Resp: 181942
 Ion Ratio Lower Upper
 82 100
 128 37.1 37.5 56.3#
 54 43.5 31.9 47.9

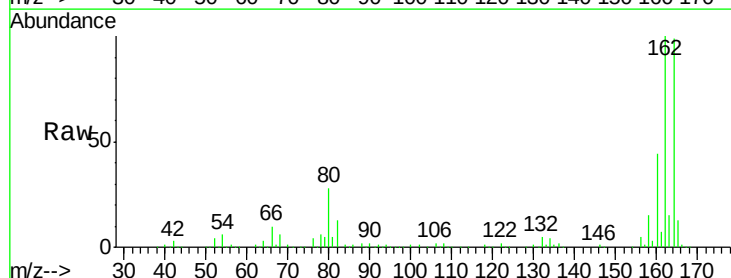


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

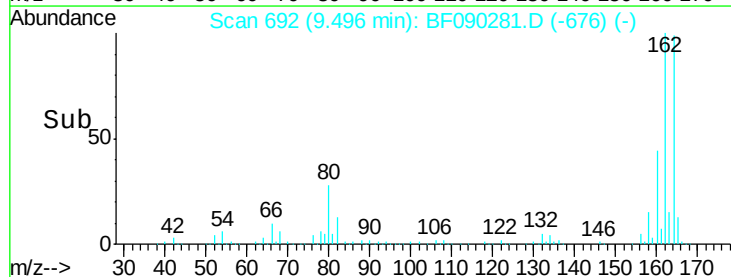
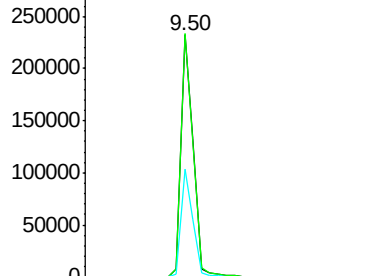


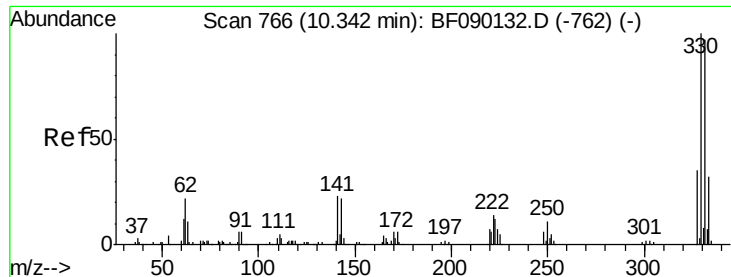
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Tgt Ion: 164 Resp: 271508
 Ion Ratio Lower Upper
 164 100
 162 100.6 81.4 122.2
 160 44.7 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF0
 Ion 162.00 (161.70 to 162.70): BF0
 Ion 160.00 (159.70 to 160.70): BF0

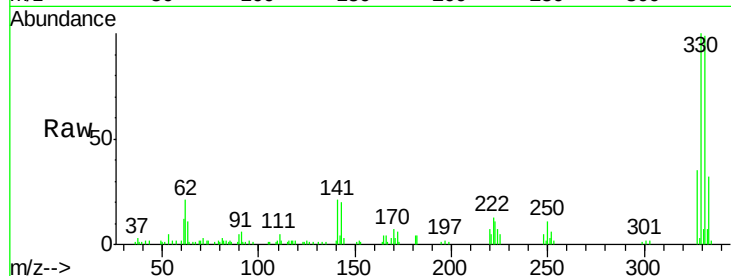




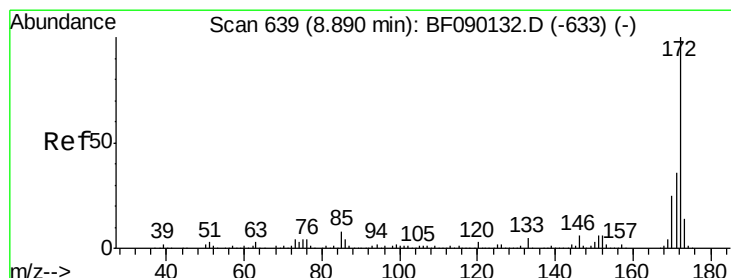
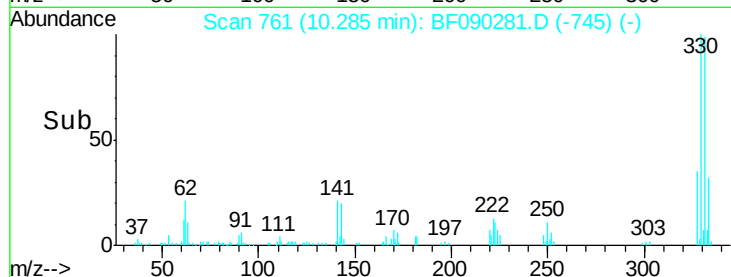
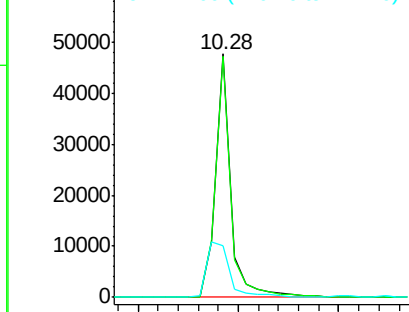
#41
 2,4,6-Tribromophenol
 Concen: 21.80 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Instrument :
 BNA_F
 ClientSampleId :
 S-4

Tot Ion:330 Resp: 50772
 Ion Ratio Lower Upper
 330 100
 332 98.7 78.1 117.1
 141 34.3 23.9 35.9

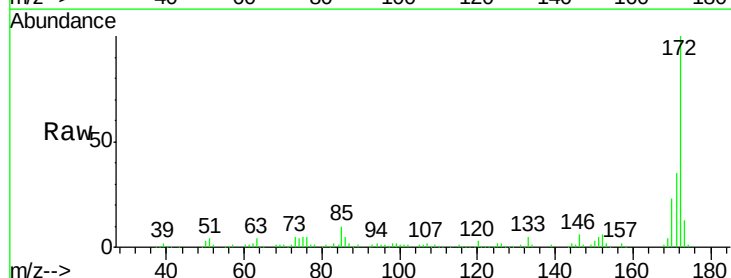


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

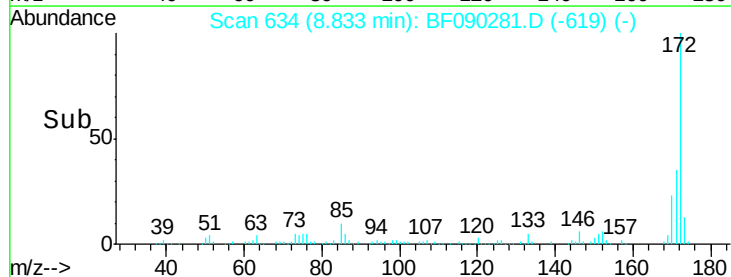
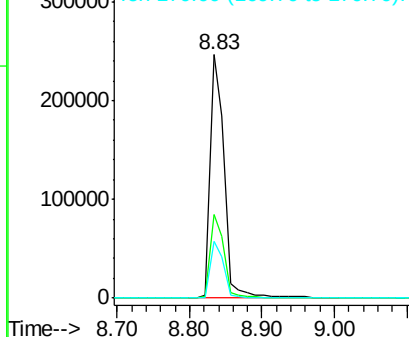


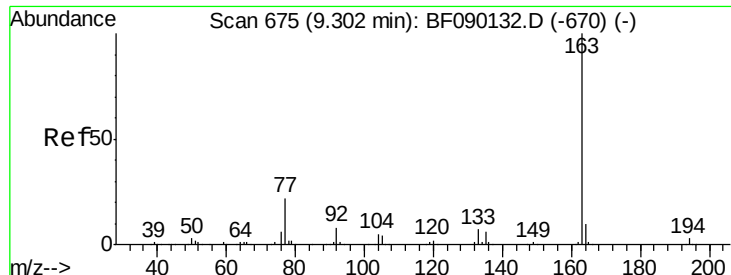
#44
 2-Fluorobiphenyl
 Concen: 23.73 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Tgt Ion:172 Resp: 328128
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.2 43.8
 170 23.1 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: 4.38 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampleId :

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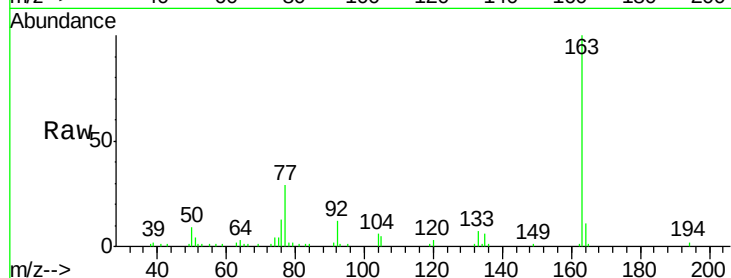
Tot Ion:163 Resp: 75743

Ion Ratio Lower Upper

163 100

194 2.4 2.8 4.2#

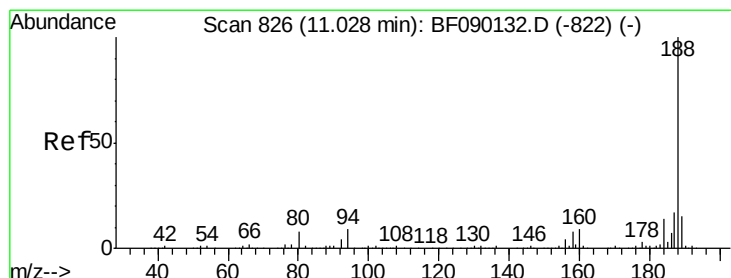
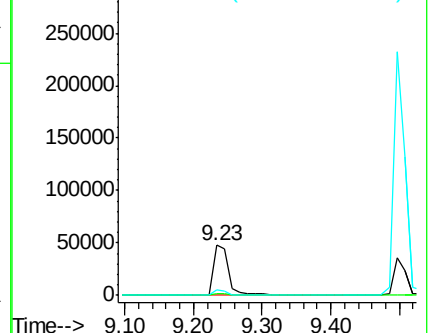
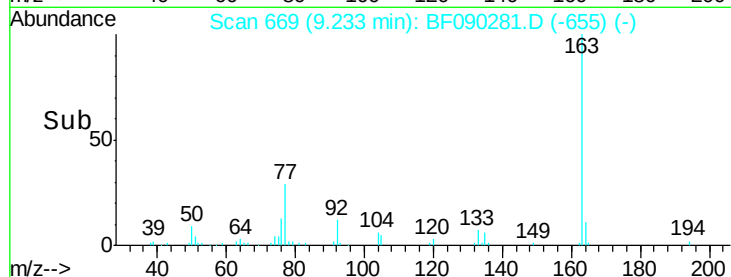
164 11.5 8.1 12.1



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: BF090281.D

Acq: 28 Sep 2016 15:38

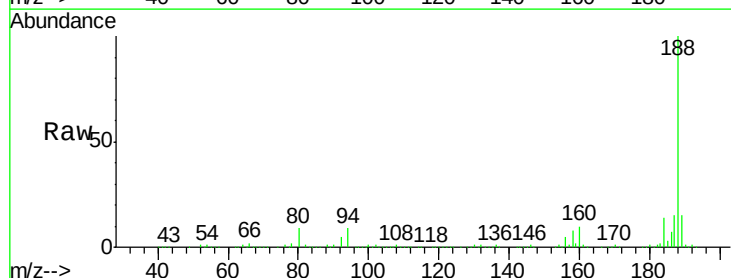
Tgt Ion:188 Resp: 428604

Ion Ratio Lower Upper

188 100

94 8.6 10.5 15.7#

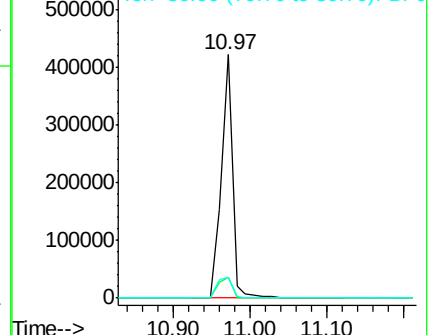
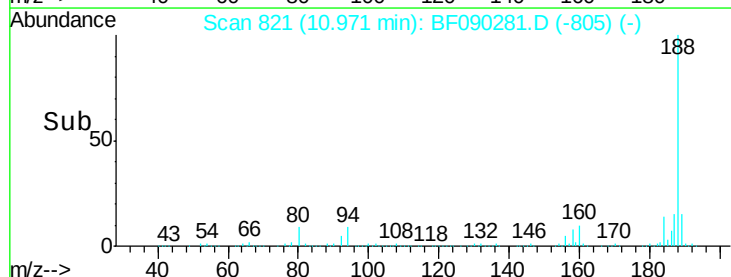
80 8.8 11.2 16.8#

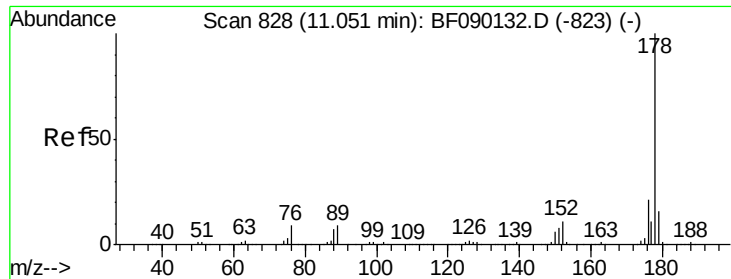


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

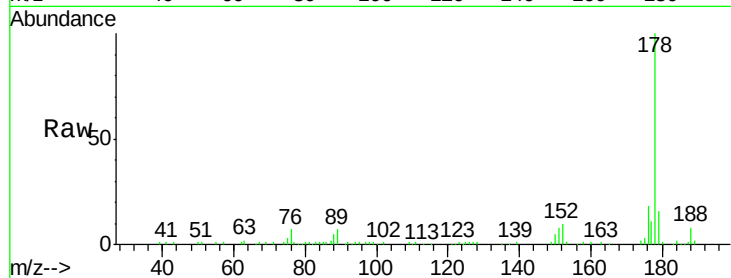




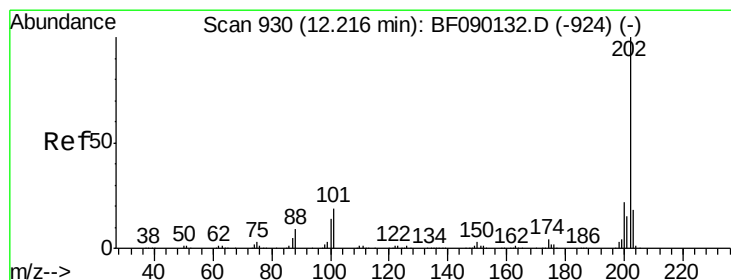
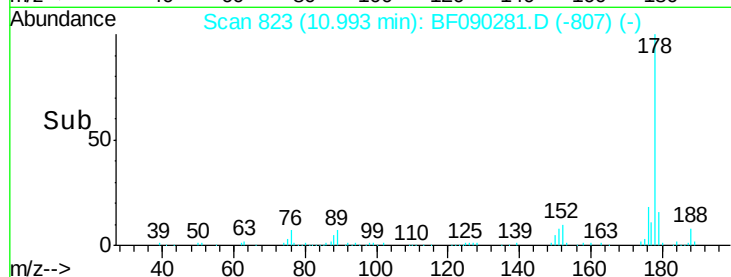
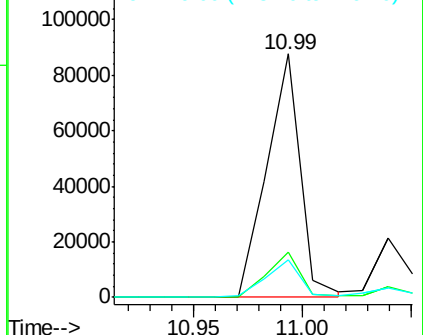
#70
Phenanthrene
Concen: 4.73 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Instrument :
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Tot Ion:178 Resp: 94839
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.5 12.9 19.3

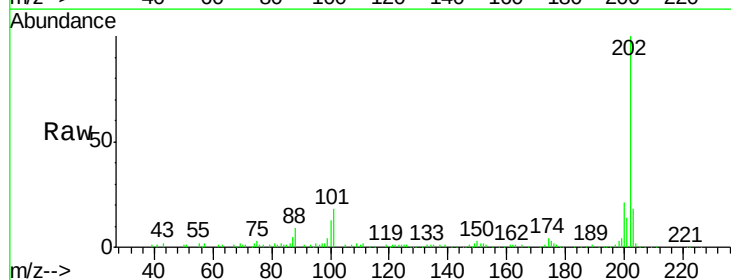


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

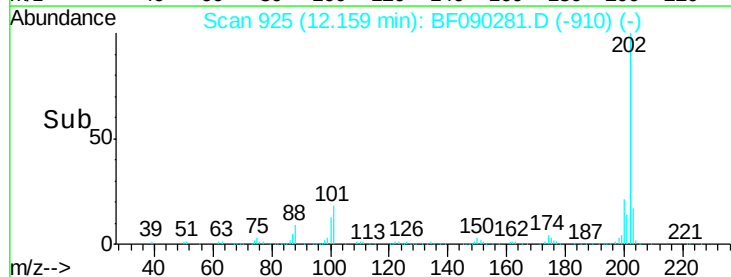
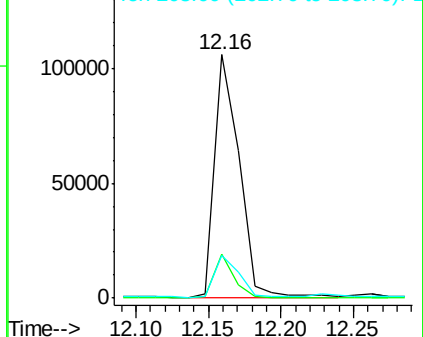


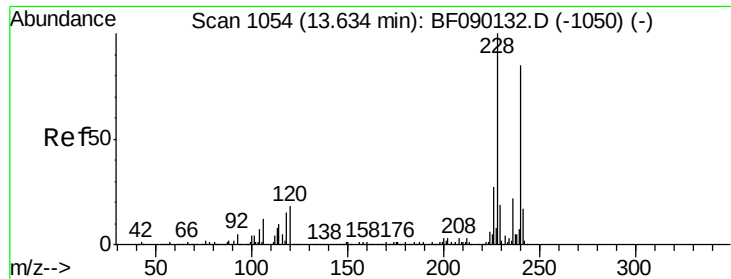
#74
Fluoranthene
Concen: 5.88 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090281.D
Acq: 28 Sep 2016 15:38

Tgt Ion:202 Resp: 126542
Ion Ratio Lower Upper
202 100
101 18.2 0.0 36.1
203 17.6 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: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampled :

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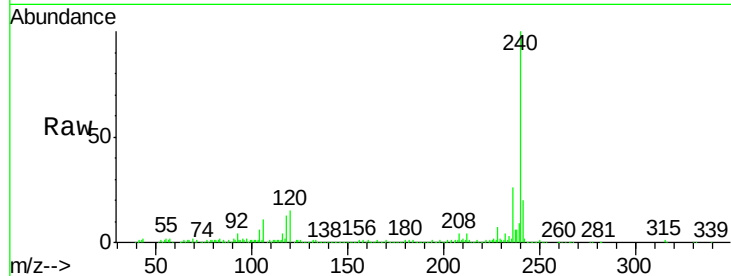
Tot Ion:240 Resp: 291514

Ion Ratio Lower Upper

240 100

120 15.4 10.6 16.0

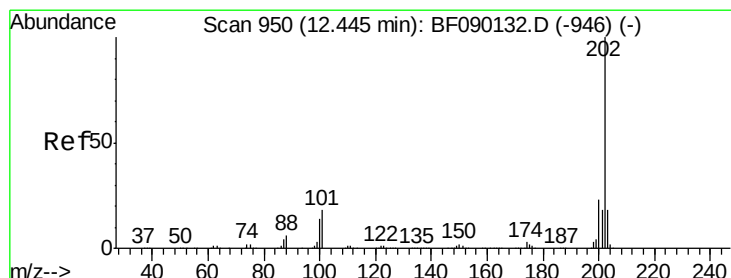
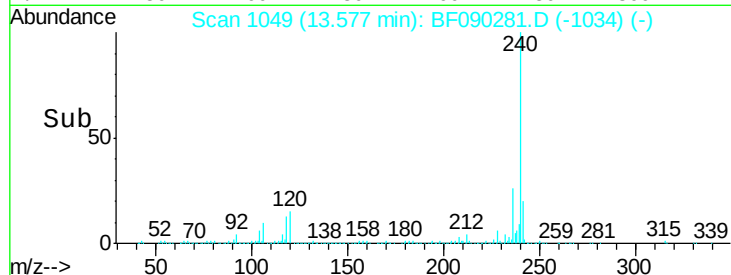
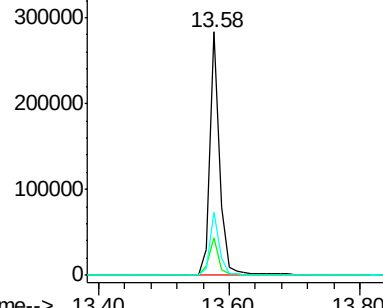
236 25.9 21.6 32.4



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: 5.68 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

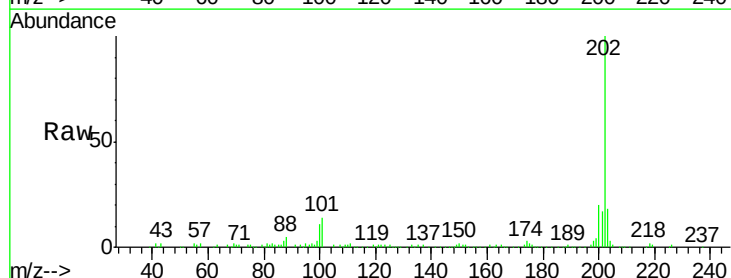
Tgt Ion:202 Resp: 113357

Ion Ratio Lower Upper

202 100

200 20.4 17.9 26.9

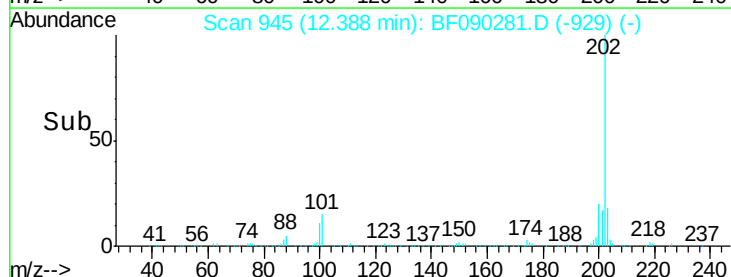
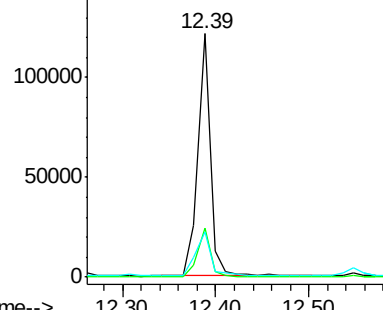
203 18.4 14.2 21.4

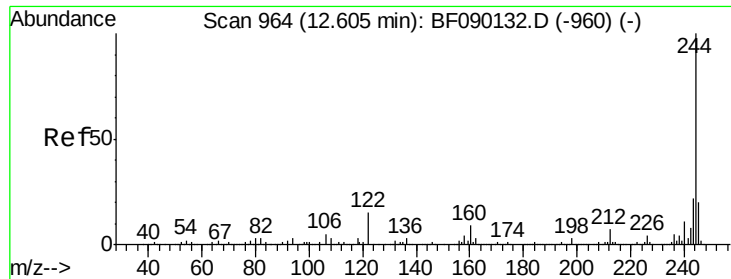


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

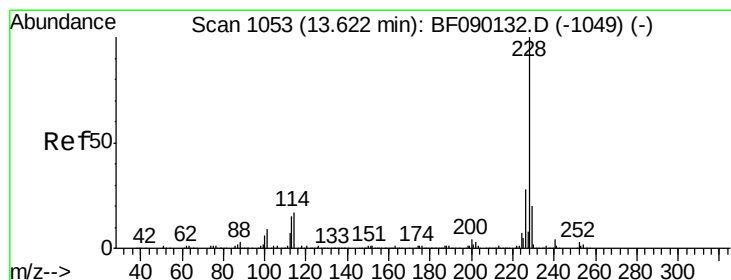
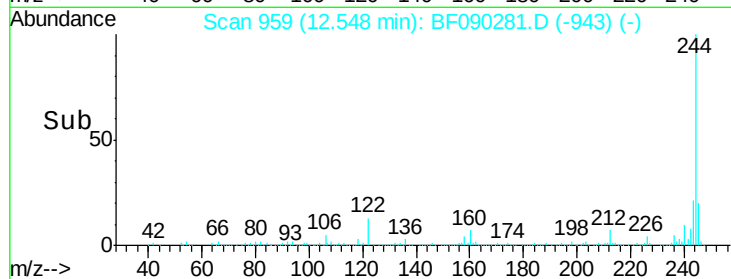
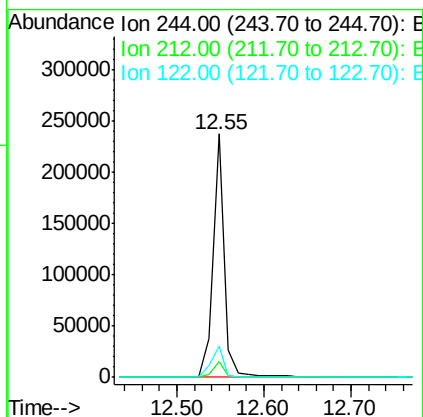
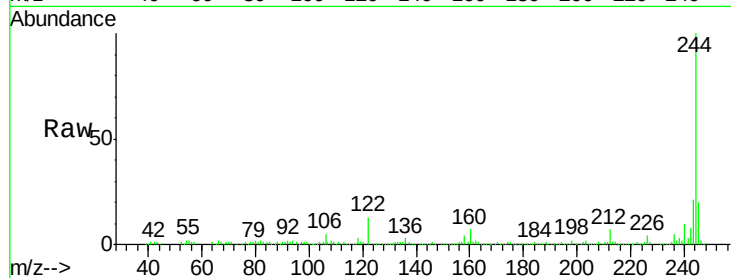




#78
 Terphenyl-d14
 Concen: 19.03 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

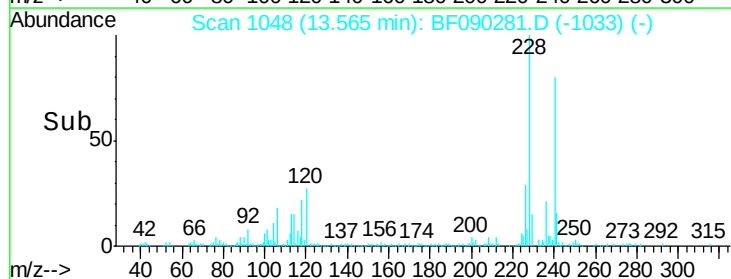
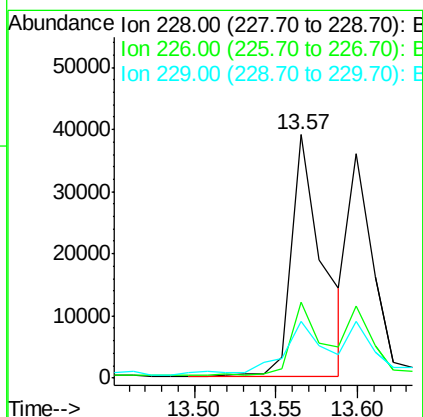
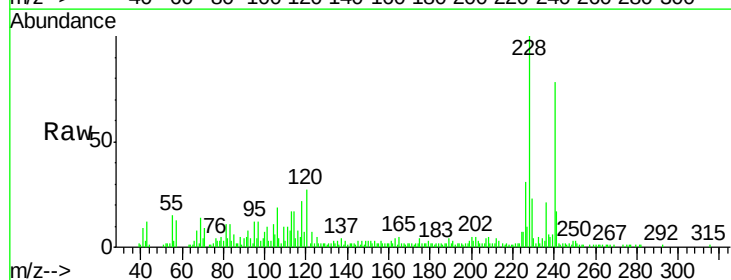
Instrument :
 BNA_F
 ClientSampleId :
 S-4

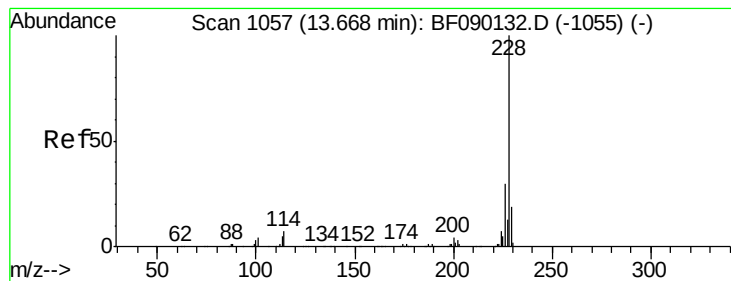
Tot Ion:244 Resp: 218560
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 12.5 9.4 14.0



#80
 Benzo(a)anthracene
 Concen: 3.31 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090281.D
 Acq: 28 Sep 2016 15:38

Tgt Ion:228 Resp: 51943
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.0 33.0
 229 23.3 16.2 24.2





#82

Chrysene

Concen: 2.63 ng/mL

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

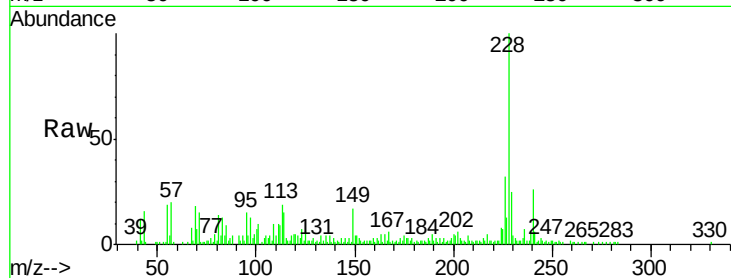
BNA_F

ClientSampleId :

S-4

Tot Ion: 228 Resp: 40225

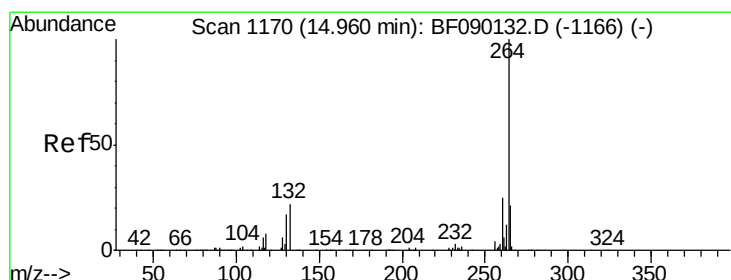
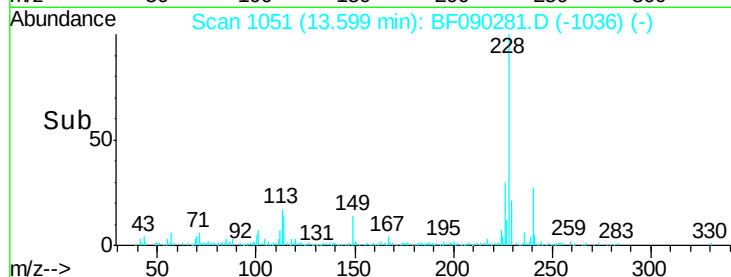
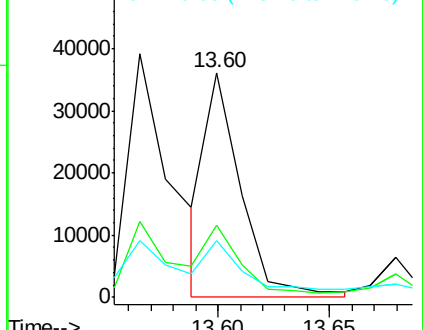
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.6	37.0
229	25.1	16.2	24.4



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: 14.90 min Scan# 1165

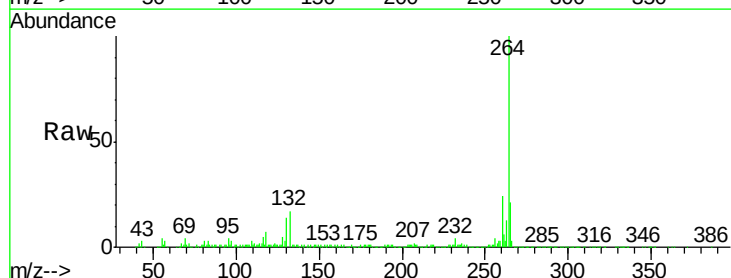
Delta R.T. -0.01 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Tgt Ion: 264 Resp: 270883

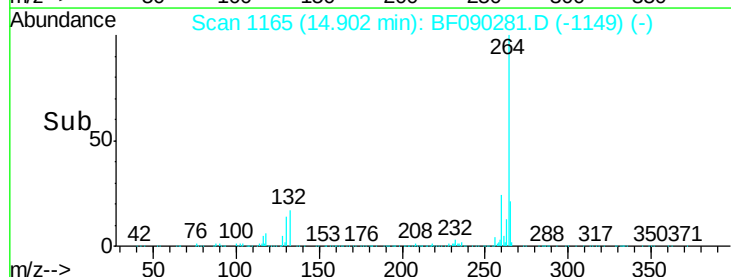
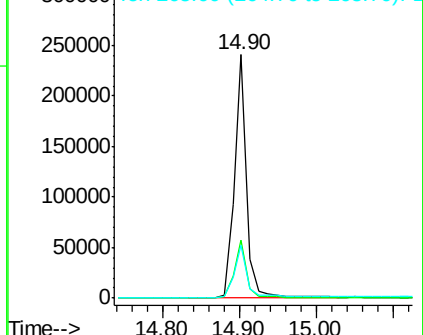
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.5	17.0	25.4

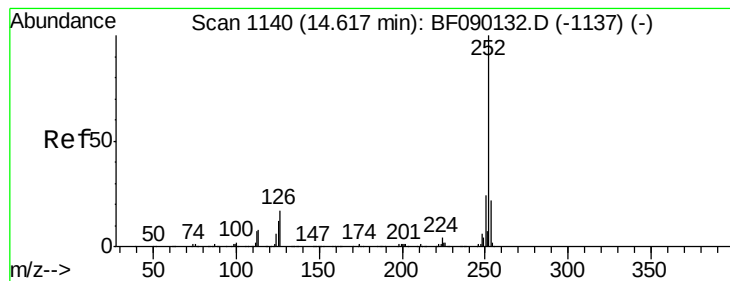


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.57 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

Instrument :

BNA_F

ClientSampled :

S-4

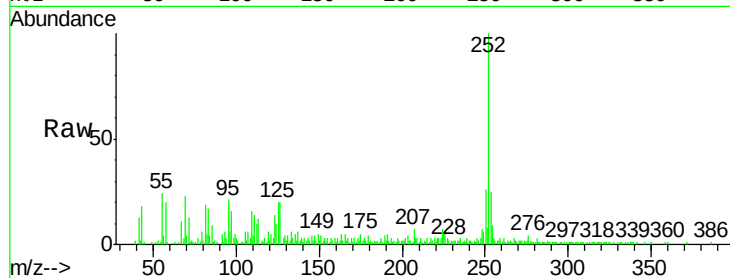
Tot Ion:252 Resp: 53613

Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

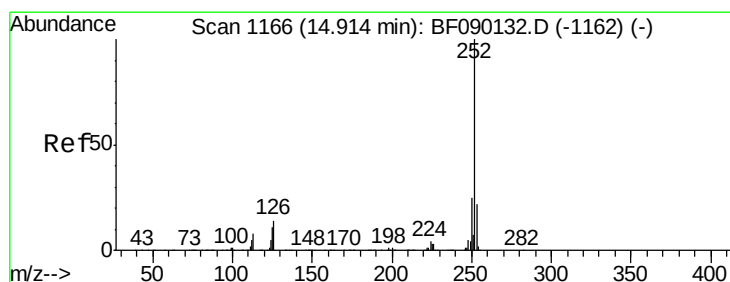
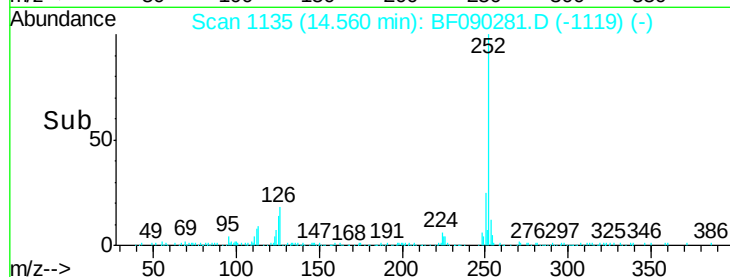
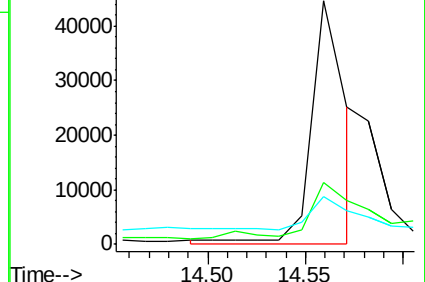
125 19.7 12.7 19.1#



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



#89

Benzo(a)pyrene

Concen: 2.58 ng

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF090281.D

Acq: 28 Sep 2016 15:38

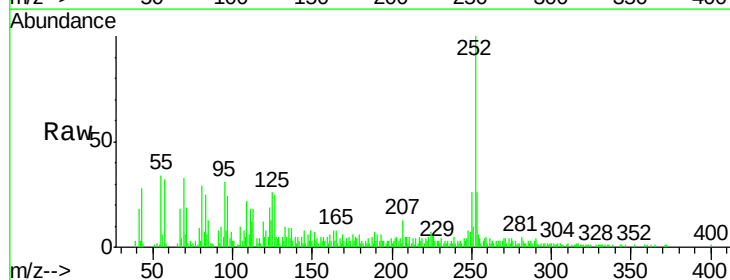
Tgt Ion:252 Resp: 36372

Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.0

125 26.0 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

