

Data Path : Z:\HPCHEM1\BNA F\Data\BF100716\
 Data File : BF090445.D
 Acq On : 7 Oct 2016 14:55
 Operator : UM/SJ
 Sample : H5085-02DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 16:03:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

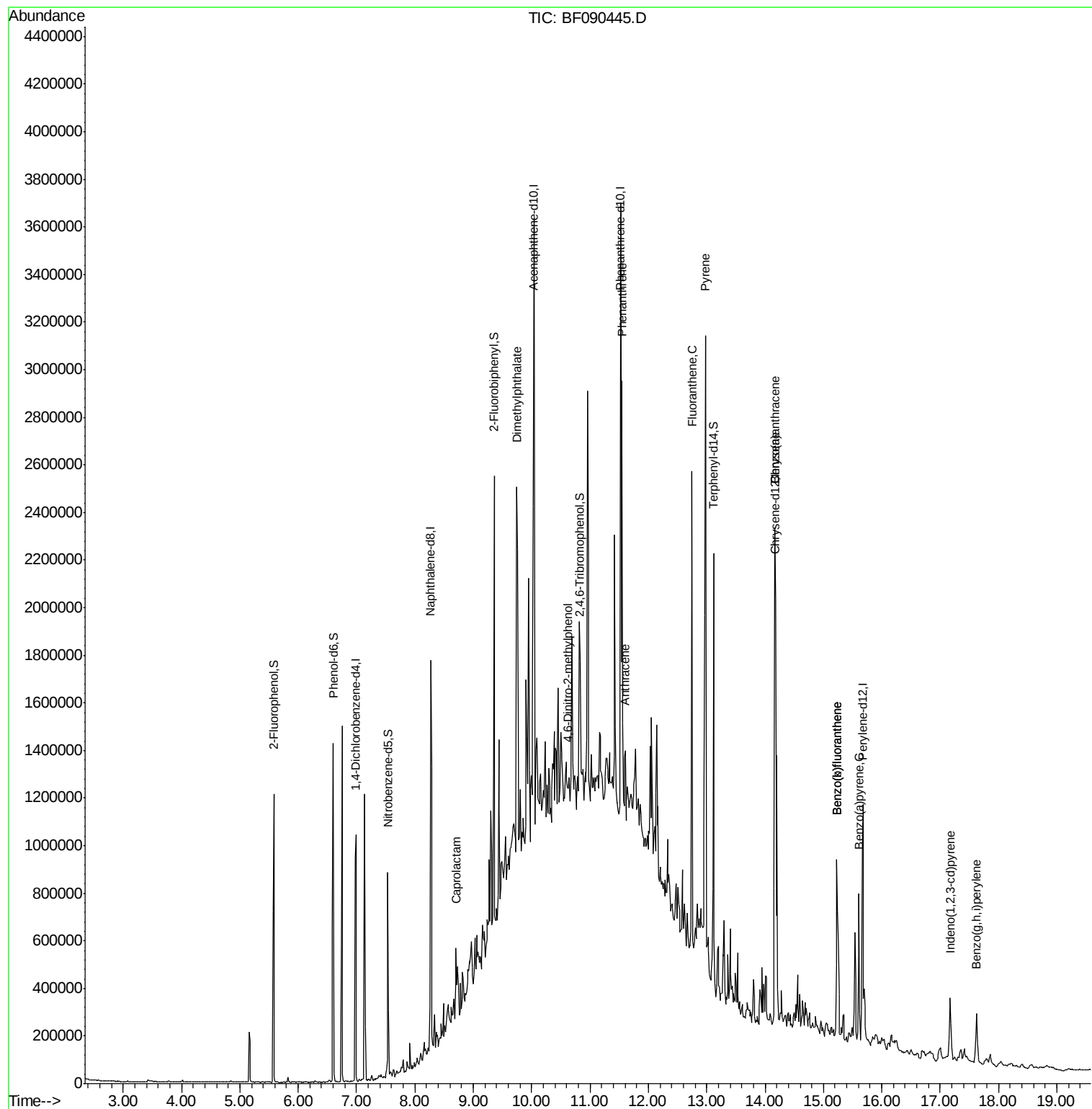
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	220344	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	949536	20.00	ng	-0.02
38) Acenaphthene-d10	10.04	164	552861	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	858326	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	639556	20.00	ng	-0.02
86) Perylene-d12	15.68	264	473056	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	386589	26.18	ng	-0.02
7) Phenol-d6	6.60	99	545329	28.20	ng	-0.02
23) Nitrobenzene-d5	7.54	82	304880	15.62	ng	-0.03
41) 2,4,6-Tribromophenol	10.83	330	104984	23.35	ng	-0.02
44) 2-Fluorobiphenyl	9.35	172	556030	16.76	ng	-0.02
78) Terphenyl-d14	13.12	244	521363	18.33	ng	-0.02
Target Compounds						Qvalue
35) Caprolactam	8.70	113	9764	2.35	ng	# 2
49) Dimethylphthalate	9.74	163	181375	5.12	ng	# 96
64) 4,6-Dinitro-2-methylphenol	10.61	198	2588	5.83	ng	# 1
70) Phenanthrene	11.55	178	625465	14.23	ng	97
71) Anthracene	11.61	178	147055	3.28	ng	96
74) Fluoranthene	12.75	202	1049987	24.36	ng	90
77) Pyrene	12.98	202	1174137	27.53	ng	98
80) Benzo(a)anthracene	14.17	228	564310	15.73	ng	100
82) Chrysene	14.17	228	564310	17.09	ng	97
85) Indeno(1,2,3-cd)pyrene	17.17	276	165133	7.01	ng	98
87) Benzo(b)fluoranthene	15.23	252	530056	17.59	ng	# 94
88) Benzo(k)fluoranthene	15.23	252	530056	18.73	ng	99
89) Benzo(a)pyrene	15.61	252	297426	11.45	ng	99
91) Benzo(a,h,i)perylene	17.62	276	165621	7.81	ng	# 93

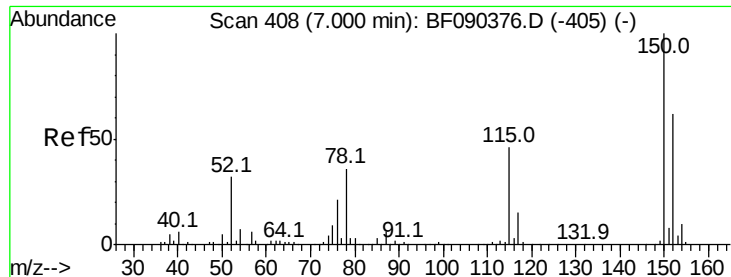
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.99 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

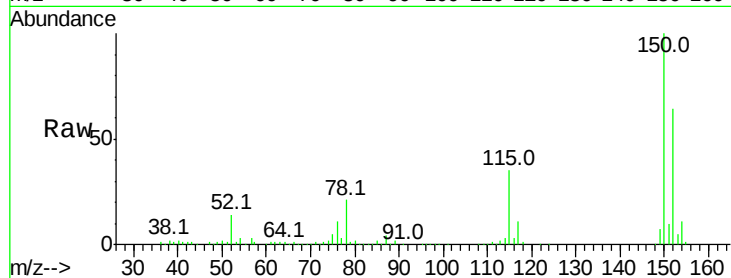
Tot Ion:152 Resp: 220344

Ion Ratio Lower Upper

152 100

150 155.6 124.6 186.8

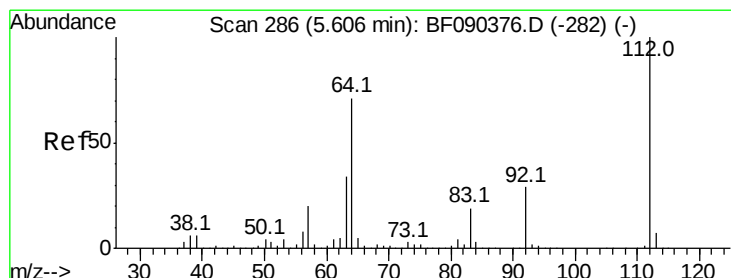
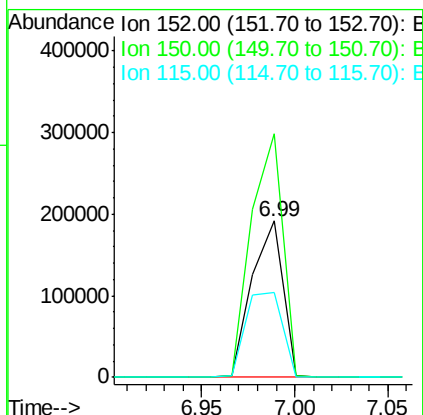
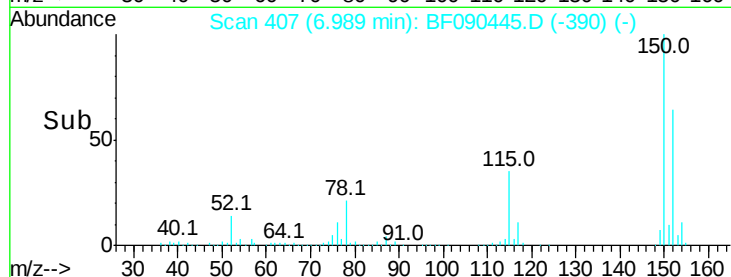
115 54.3 46.2 69.4



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: 26.18 ng

RT: 5.58 min Scan# 284

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

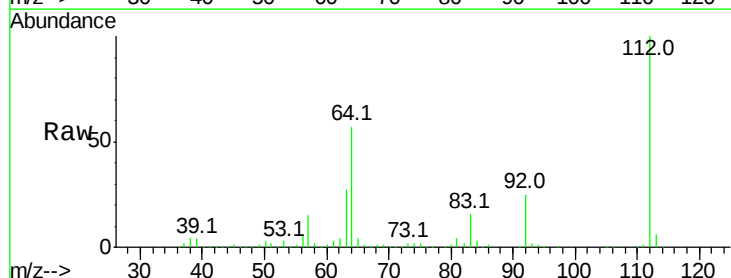
Tgt Ion:112 Resp: 386589

Ion Ratio Lower Upper

112 100

64 57.3 57.9 86.9#

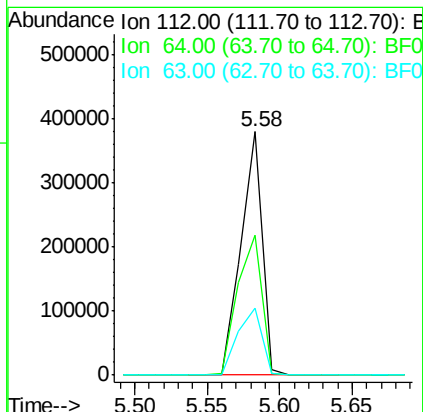
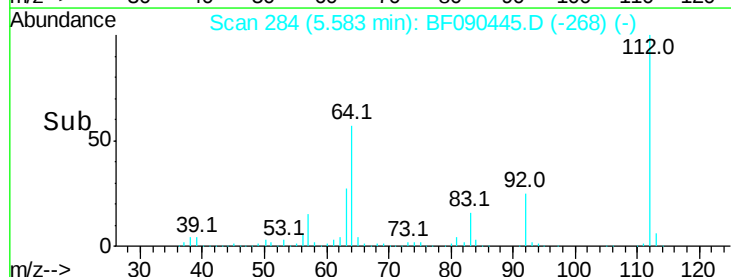
63 27.3 29.6 44.4#

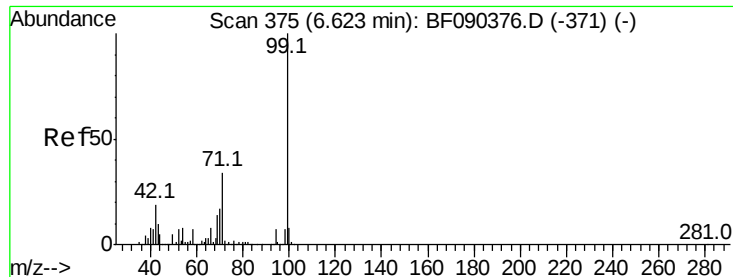


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.20 ng

RT: 6.60 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

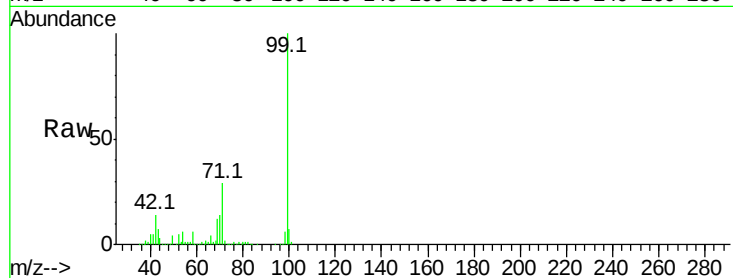
Tot Ion: 99 Resp: 545329

Ion Ratio Lower Upper

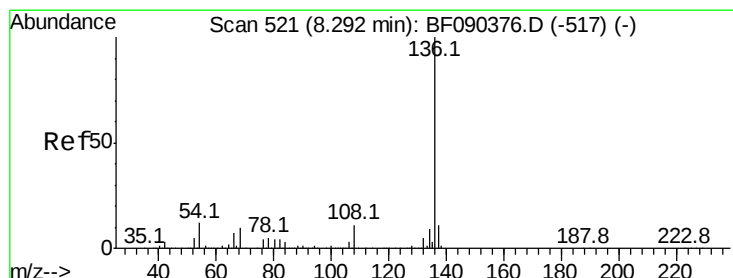
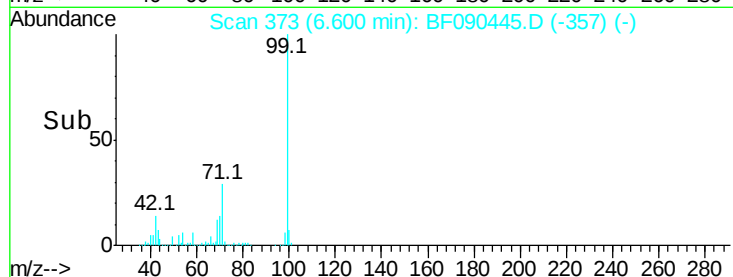
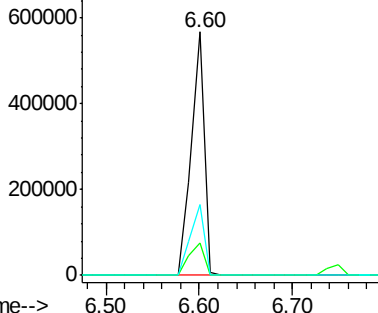
99 100

42 13.5 20.0 30.0#

71 29.3 27.9 41.9



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: 8.27 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion: 136 Resp: 949536

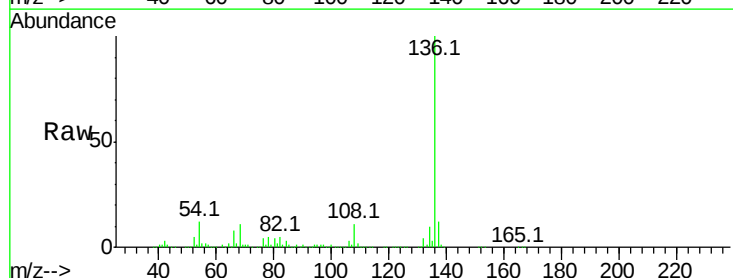
Ion Ratio Lower Upper

136 100

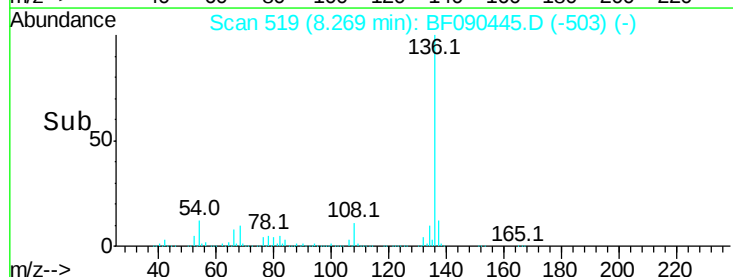
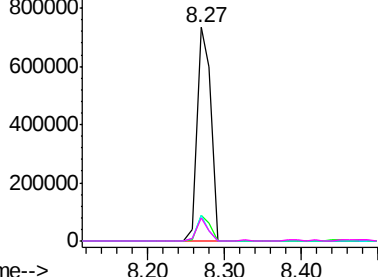
137 11.8 9.0 13.6

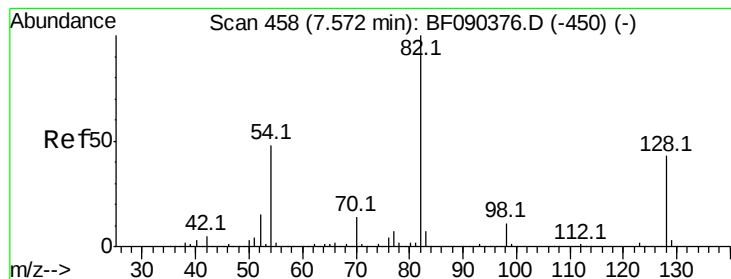
54 12.3 6.6 10.0#

68 10.6 5.0 7.6#



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: 15.62 ng

RT: 7.54 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF090445.D

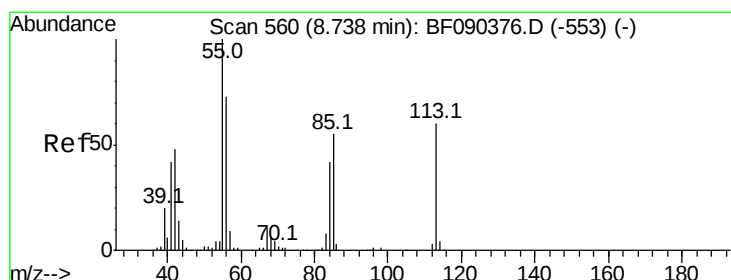
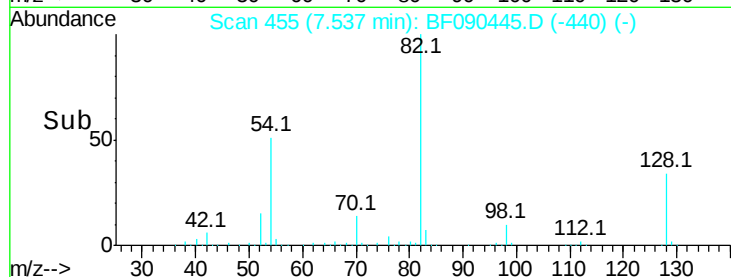
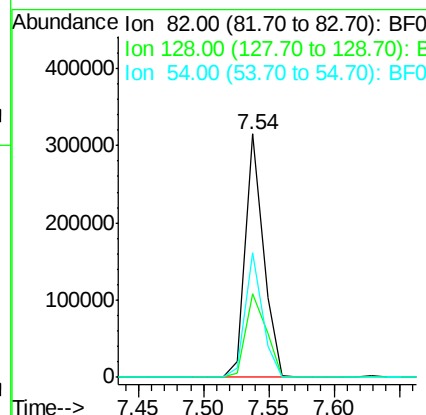
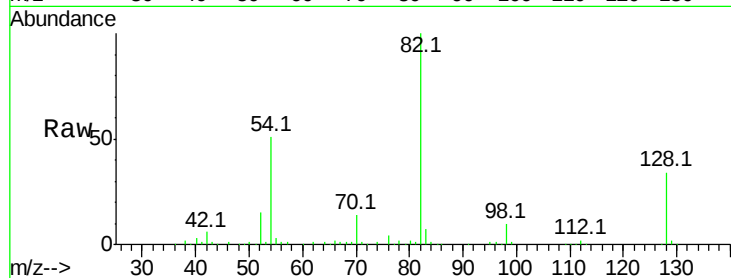
Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampled :

Tot Ion:	82	Resp:	304880
Ion	Ratio	Lower	Upper
82	100		
128	34.3	40.0	60.0#
54	51.1	42.6	64.0



#35

Caprolactam

Concen: 2.35 ng

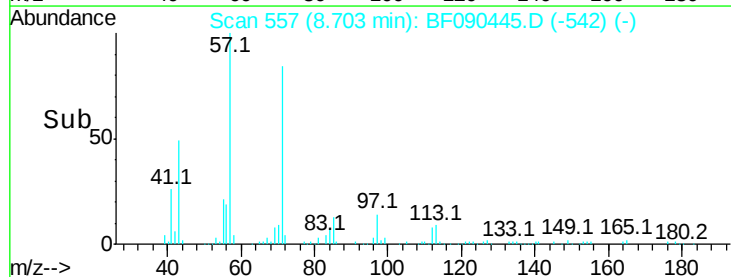
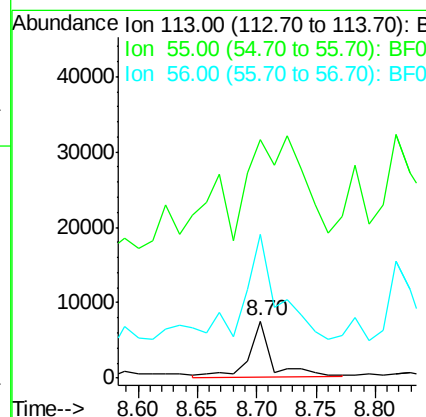
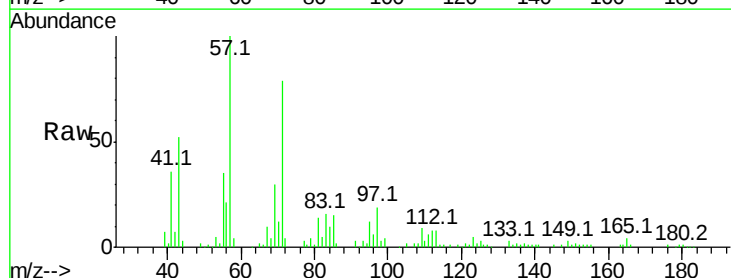
RT: 8.70 min Scan# 557

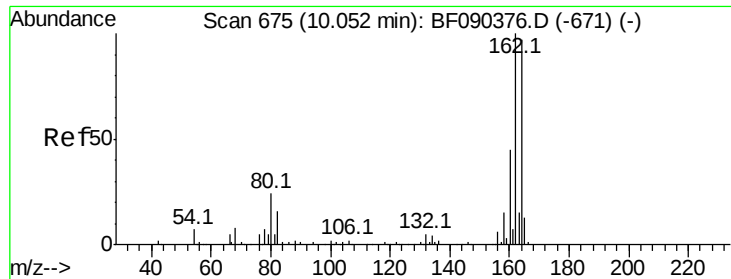
Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	113	Resp:	9764
Ion	Ratio	Lower	Upper
113	100		
55	417.6	203.3	243.3#
56	250.8	140.5	180.5#

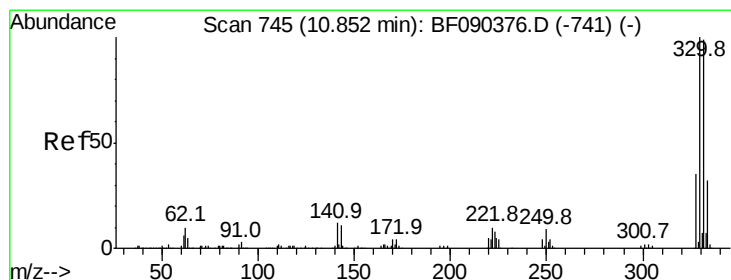
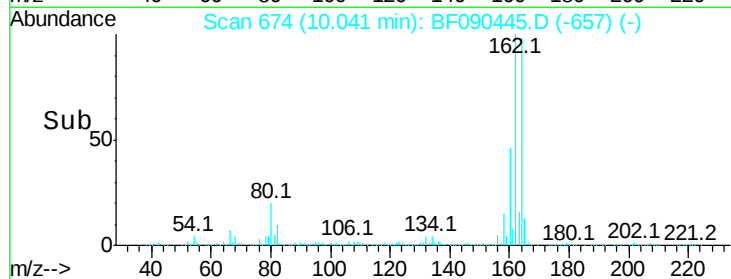
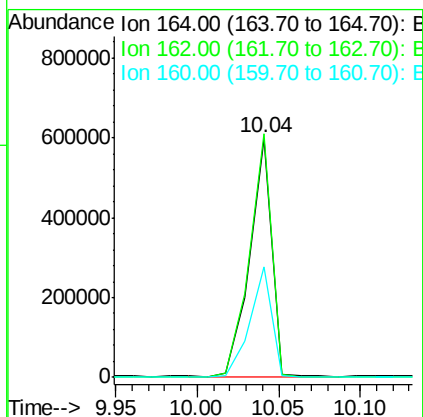
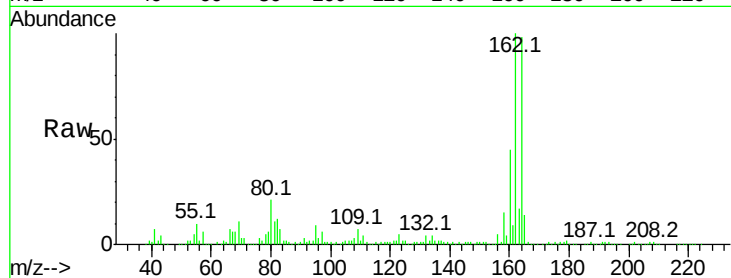




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

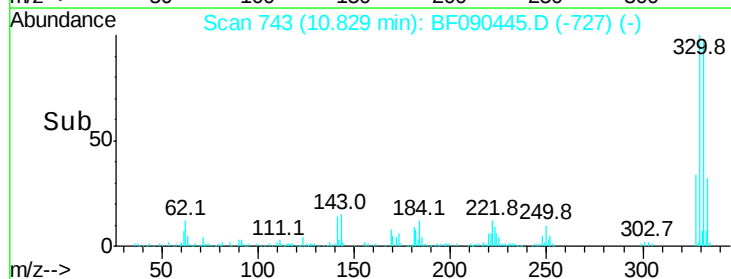
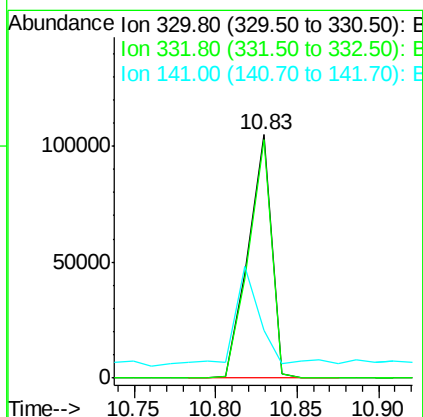
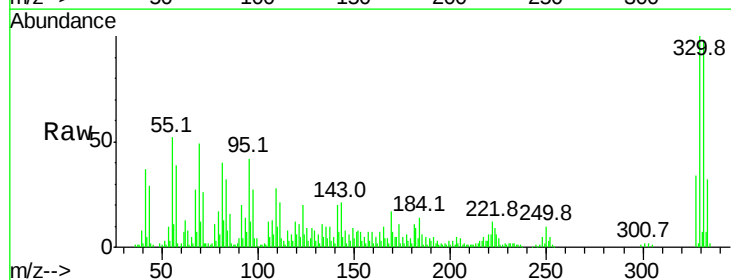
Instrument :
BNA_F
ClientSampleId :

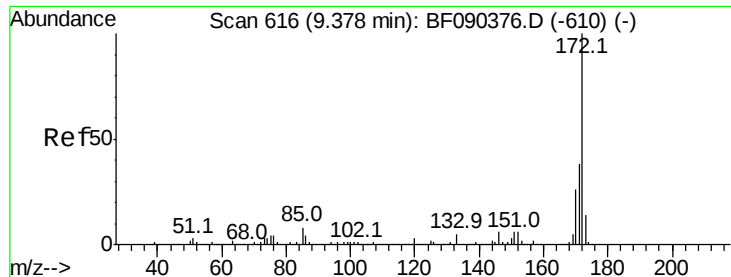
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.1	120.1
160	46.4	36.3	54.5



#41
2,4,6-Tribromophenol
Concen: 23.35 ng
RT: 10.83 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.4	113.0
141	43.7	26.9	40.3





#44

2-Fluorobiphenyl

Concen: 16.76 ng

RT: 9.35 min Scan# 614

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

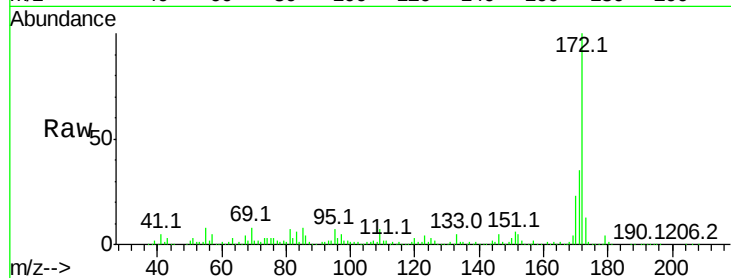
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 556030

Ion	Ratio	Lower	Upper
172	100		
171	35.2	31.8	47.8
170	23.5	21.7	32.5

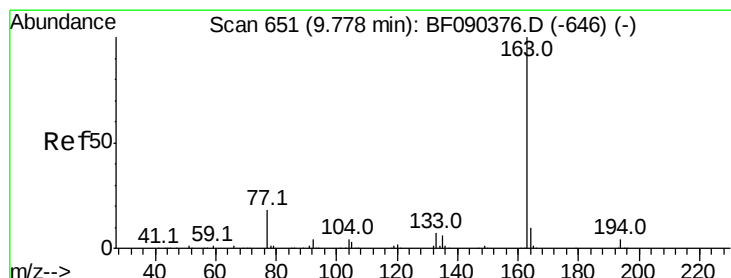
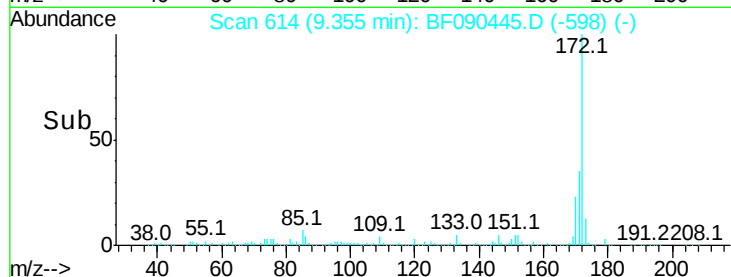
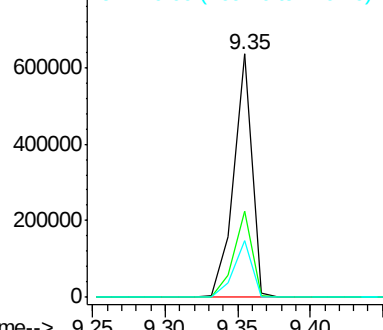


Abundance

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: 5.12 ng

RT: 9.74 min Scan# 648

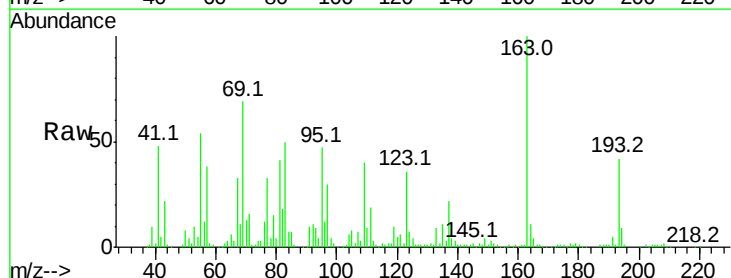
Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:163 Resp: 181375

Ion	Ratio	Lower	Upper
163	100		
194	9.3	2.8	4.2#
164	11.2	9.0	13.4

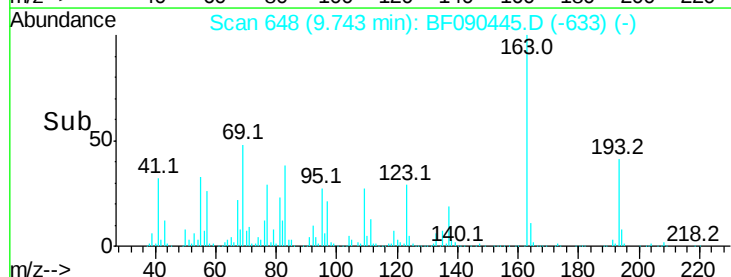
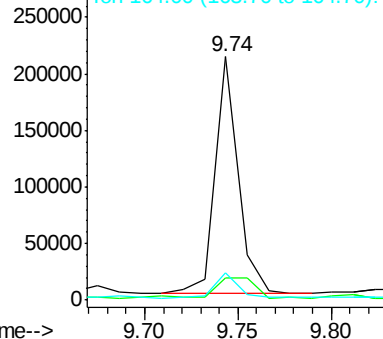


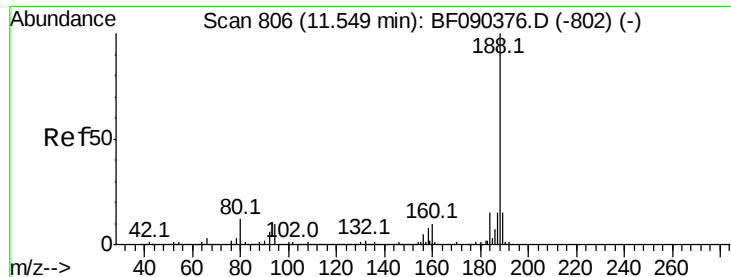
Abundance

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: 11.53 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

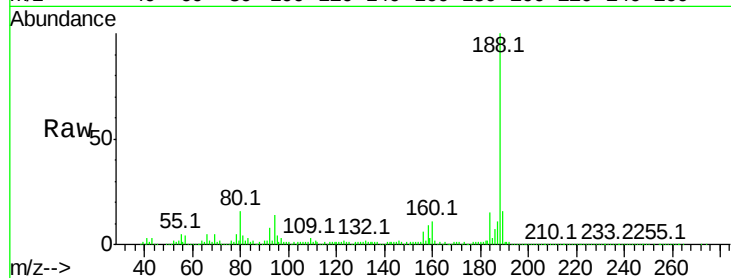
Tot Ion:188 Resp: 858326

Ion Ratio Lower Upper

188 100

94 14.3 8.2 12.2#

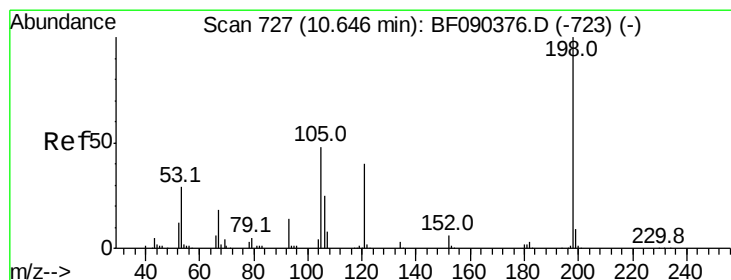
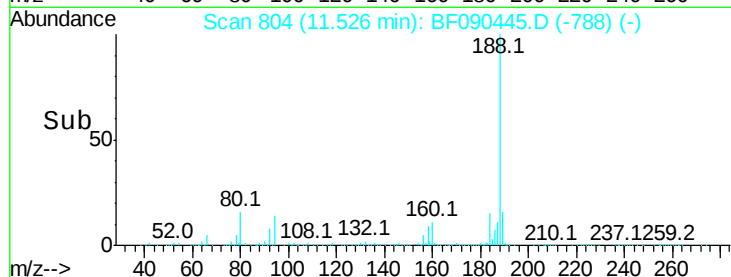
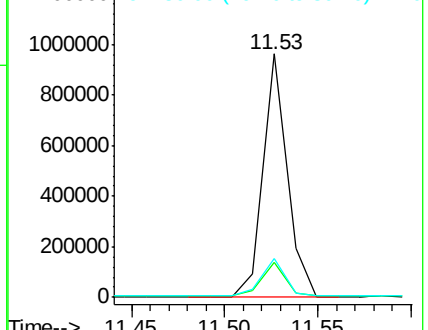
80 16.0 8.8 13.2#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.83 ng

RT: 10.61 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

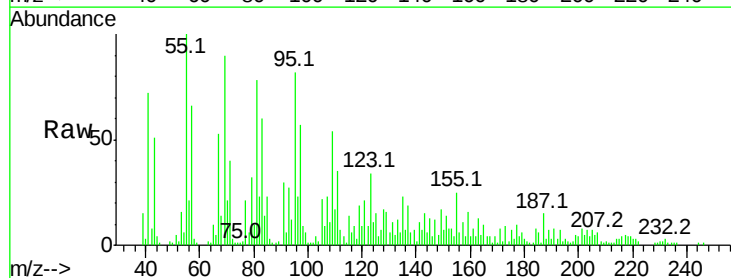
Tgt Ion:198 Resp: 2588

Ion Ratio Lower Upper

198 100

51 214.6 67.3 107.3#

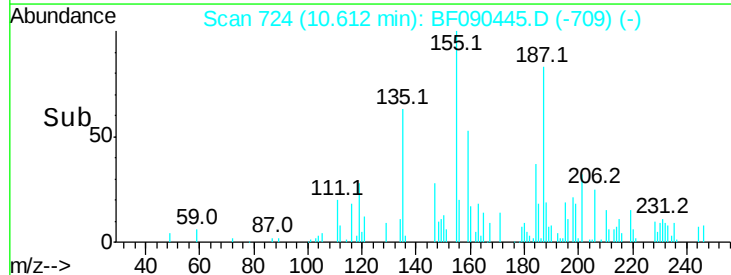
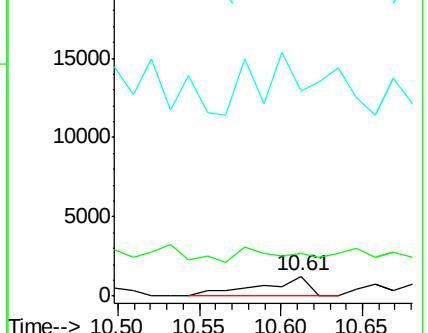
105 1048.2 42.6 82.6#

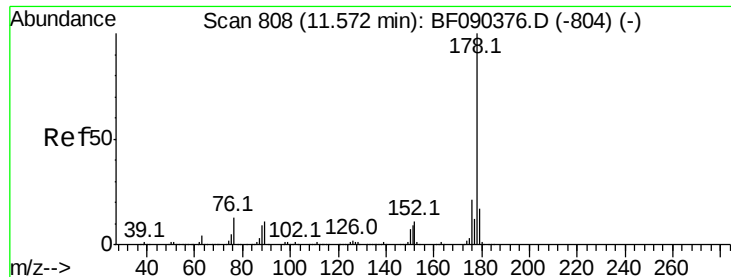


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 14.23 ng

RT: 11.55 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampled :

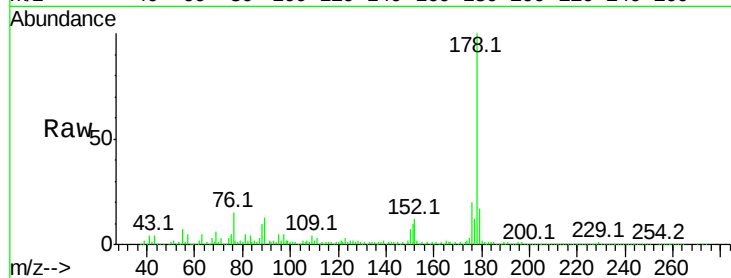
Tot Ion:178 Resp: 625465

Ion Ratio Lower Upper

178 100

176 19.9 17.3 25.9

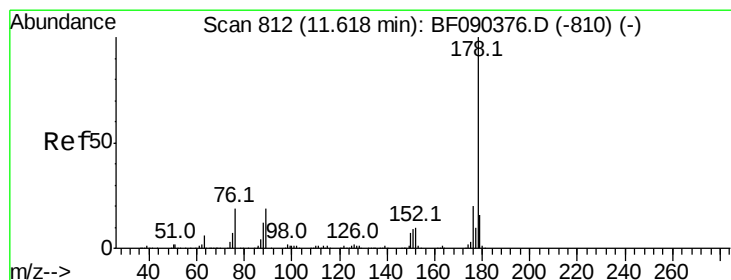
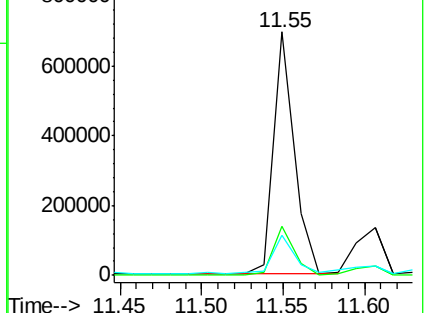
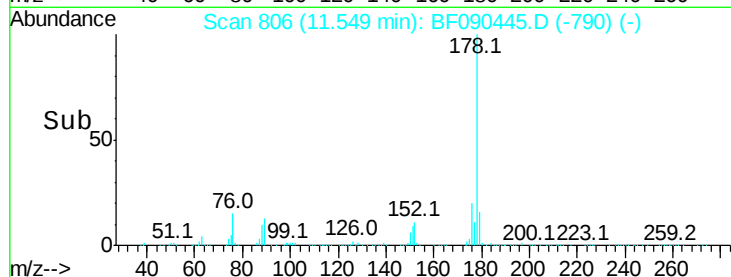
179 16.6 13.8 20.6



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



#71

Anthracene

Concen: 3.28 ng

RT: 11.61 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

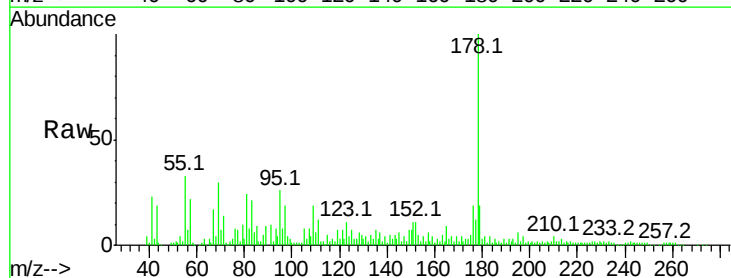
Tgt Ion:178 Resp: 147055

Ion Ratio Lower Upper

178 100

176 19.3 16.8 25.2

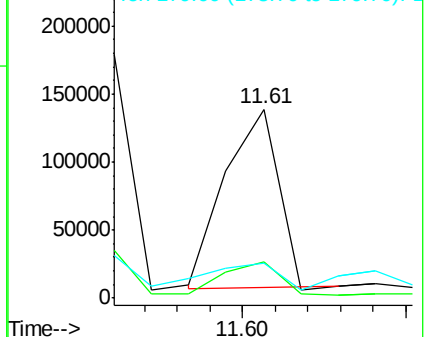
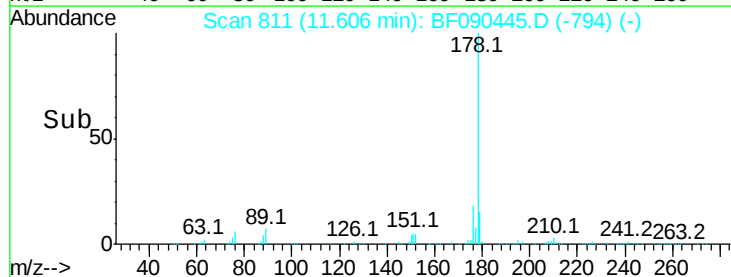
179 18.8 13.4 20.2

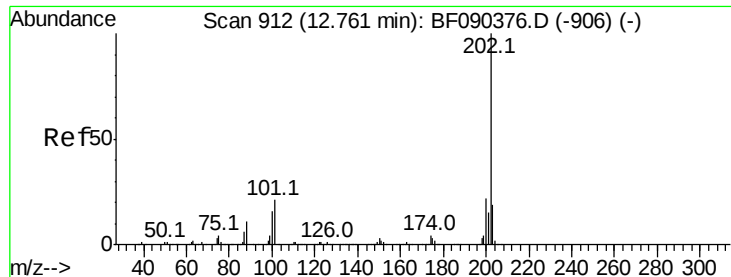


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 24.36 ng

RT: 12.75 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

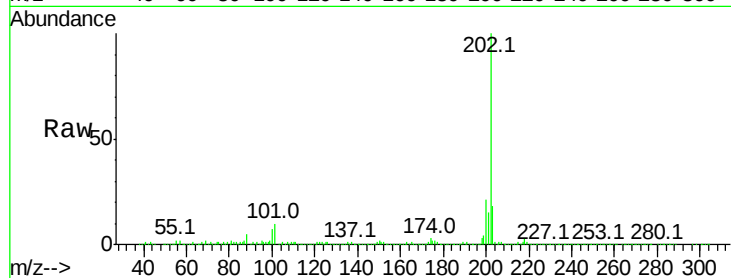
Tot Ion:202 Resp: 1049987

Ion Ratio Lower Upper

202 100

101 9.7 0.0 37.2

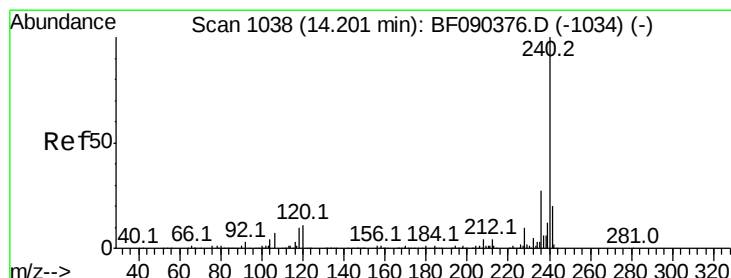
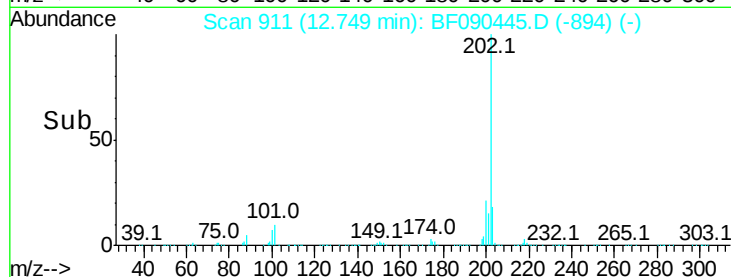
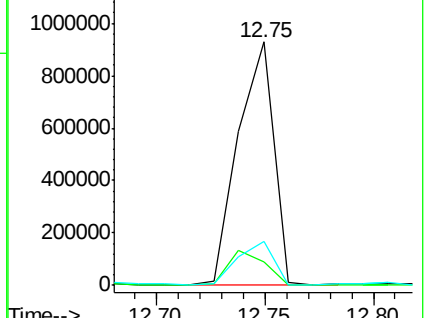
203 17.9 0.0 39.3



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: 14.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

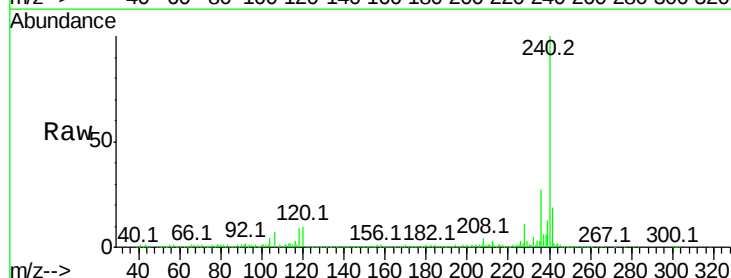
Tgt Ion:240 Resp: 639556

Ion Ratio Lower Upper

240 100

120 9.7 8.6 13.0

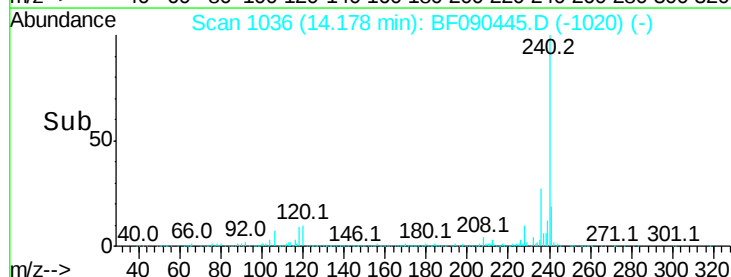
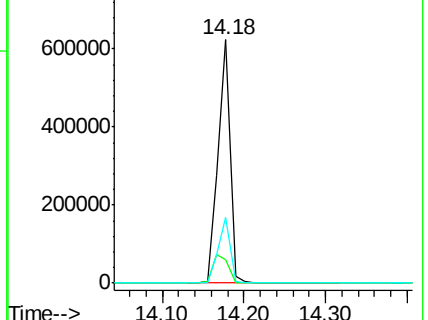
236 27.2 21.6 32.4

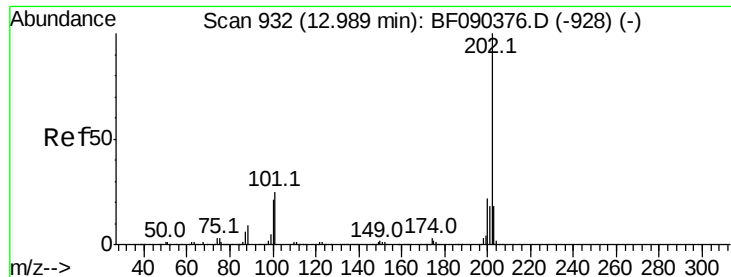


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 27.53 ng

RT: 12.98 min Scan# 931

Delta R.T. -0.01 min

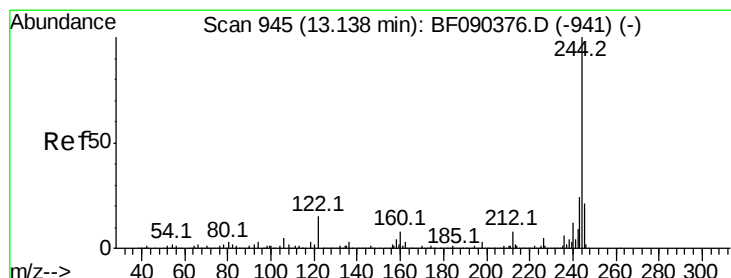
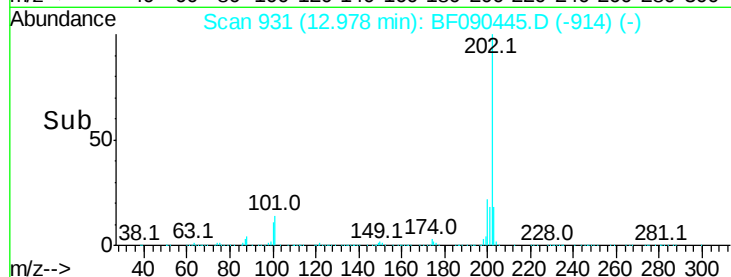
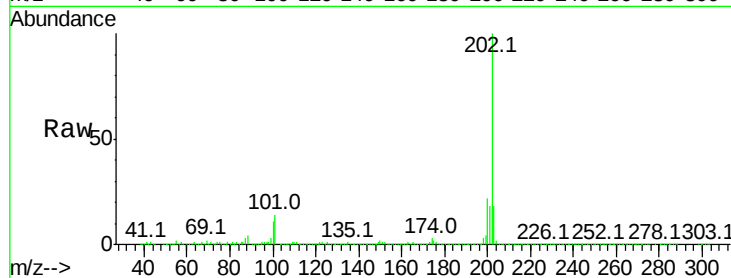
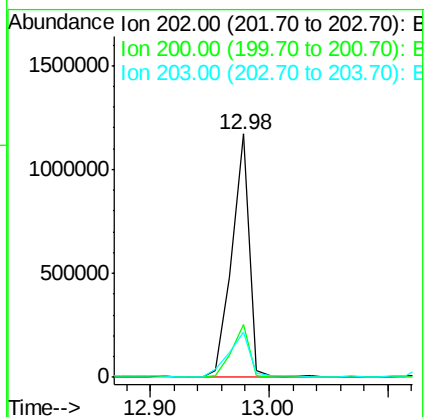
Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1174137

Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.5	27.7
203	18.3	15.0	22.6



#78

Terphenyl-d14

Concen: 18.33 ng

RT: 13.12 min Scan# 943

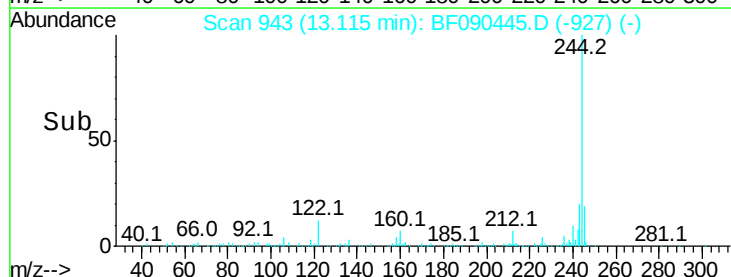
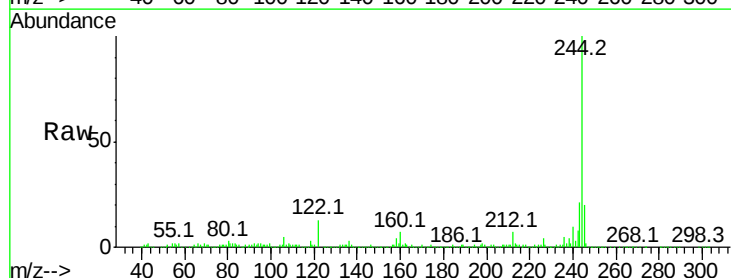
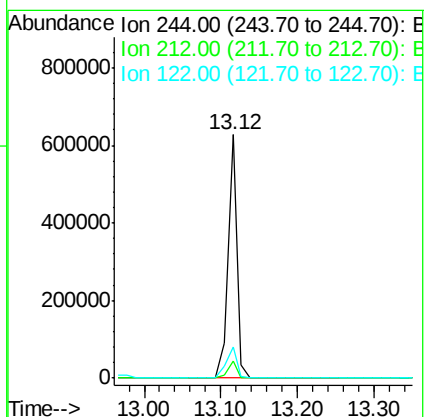
Delta R.T. -0.02 min

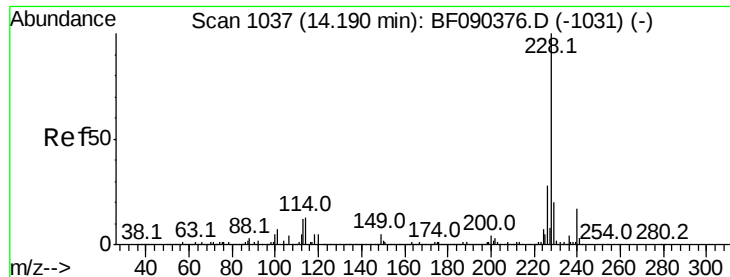
Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:244 Resp: 521363

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.8	10.2#
122	12.9	13.3	19.9#





#80

Benzo(a)anthracene

Concen: 15.73 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampled :

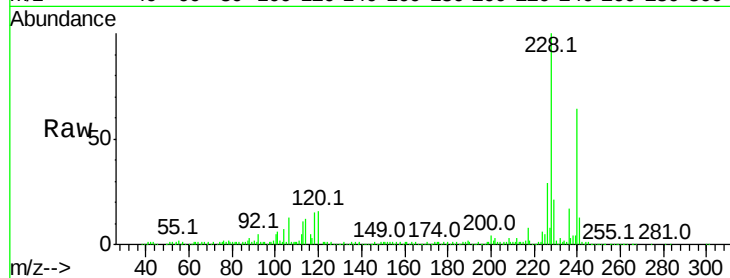
Tot Ion:228 Resp: 564310

Ion Ratio Lower Upper

228 100

226 29.3 23.6 35.4

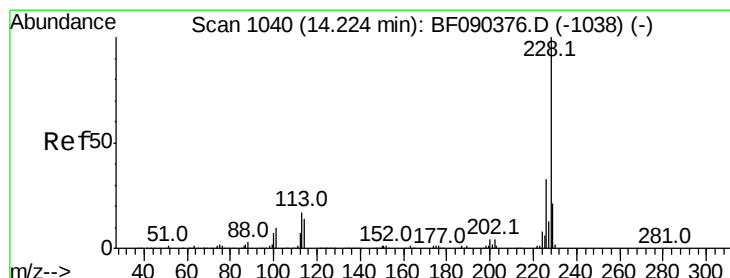
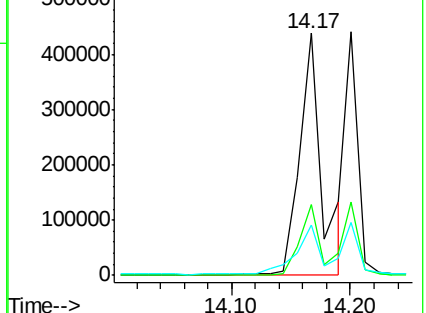
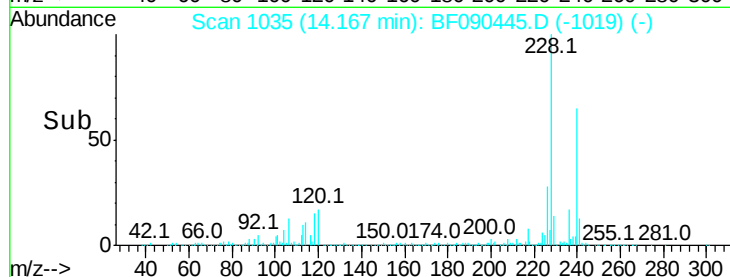
229 20.8 16.6 25.0



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: 17.09 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

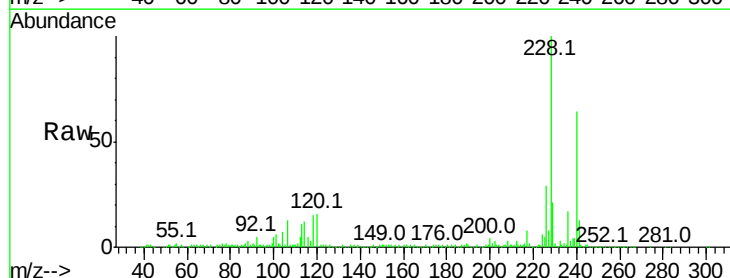
Tgt Ion:228 Resp: 564310

Ion Ratio Lower Upper

228 100

226 29.3 25.8 38.6

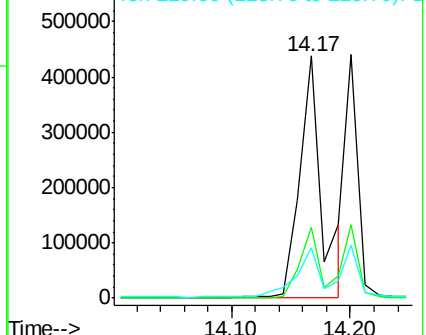
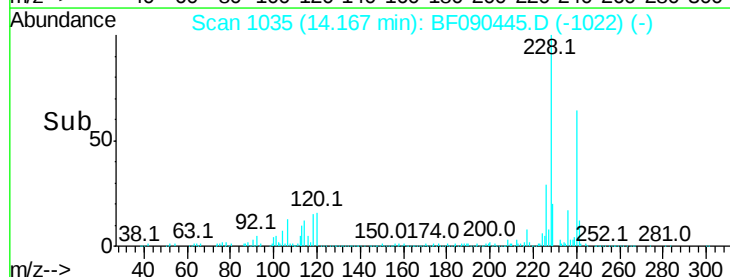
229 20.8 16.9 25.3

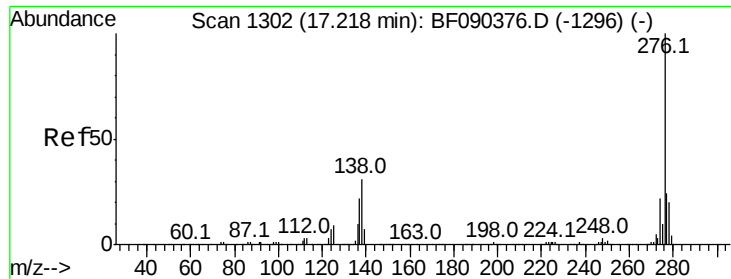


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

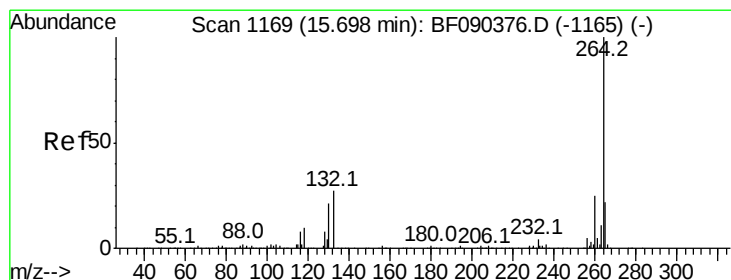
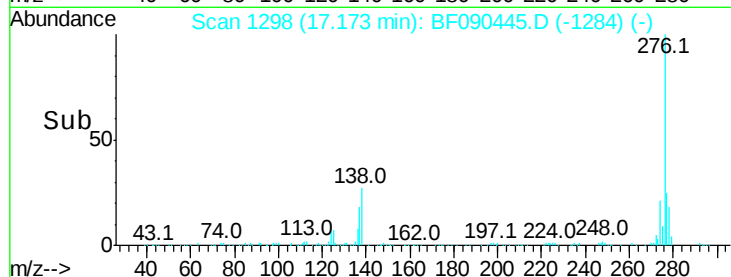
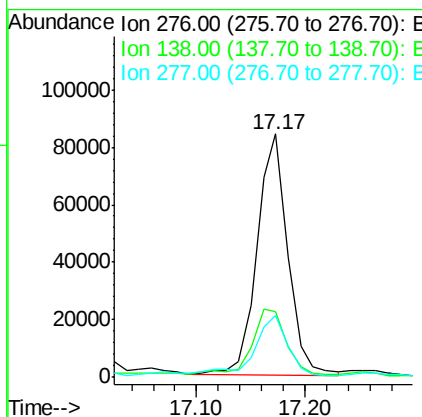
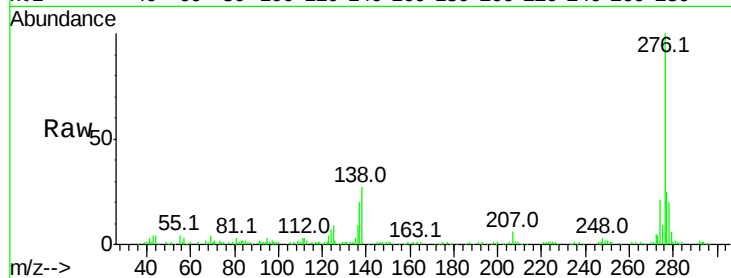




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.01 ng
RT: 17.17 min Scan# 1298
Delta R.T. -0.05 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

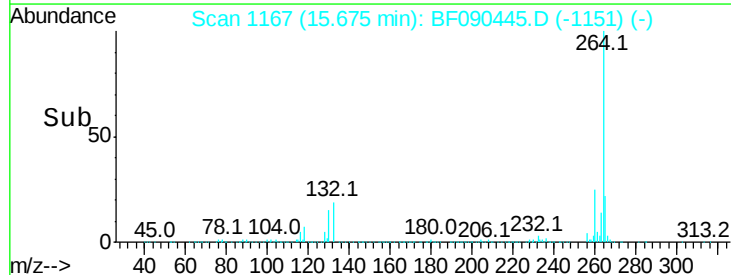
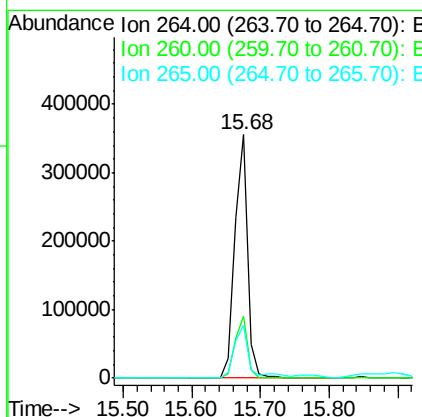
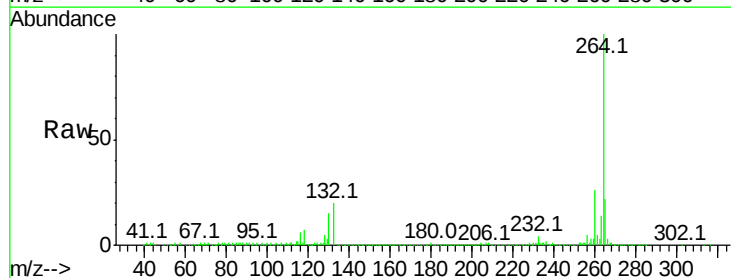
Instrument :
BNA_F
ClientSampleId :

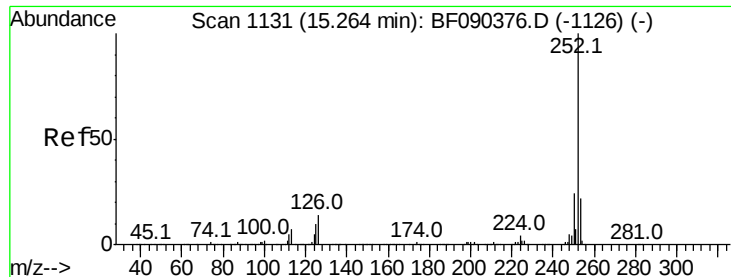
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	23.8	35.8
277	26.9	20.4	30.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.68 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.3	28.9
265	21.8	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 17.59 ng

RT: 15.23 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

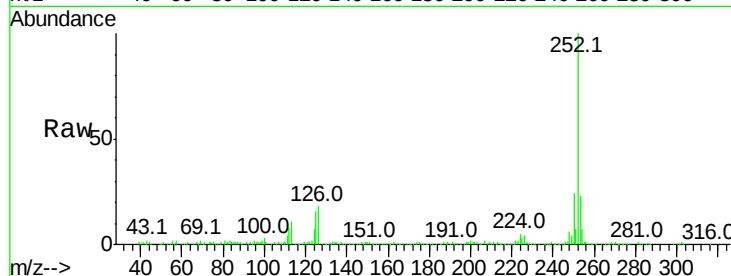
Tot Ion:252 Resp: 530056

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

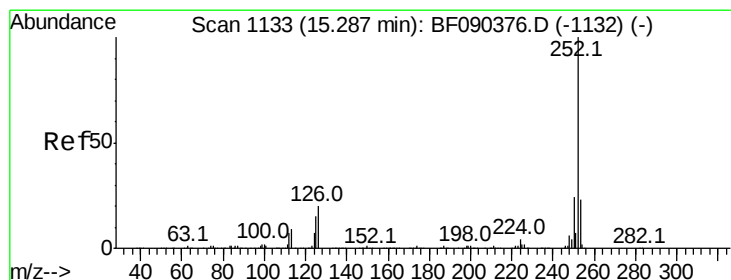
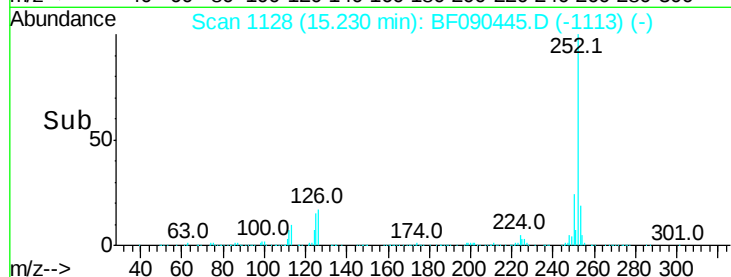
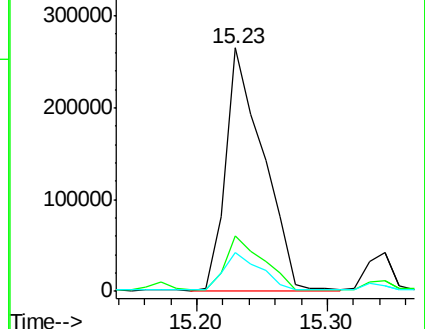
125 15.7 7.0 10.4#



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



#88

Benzo(k)fluoranthene

Concen: 18.73 ng

RT: 15.23 min Scan# 1128

Delta R.T. -0.06 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

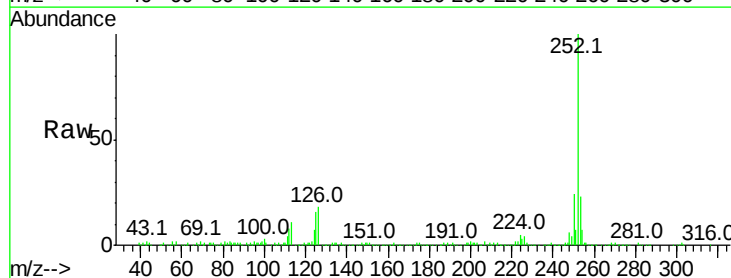
Tgt Ion:252 Resp: 530056

Ion Ratio Lower Upper

252 100

253 23.0 18.6 27.8

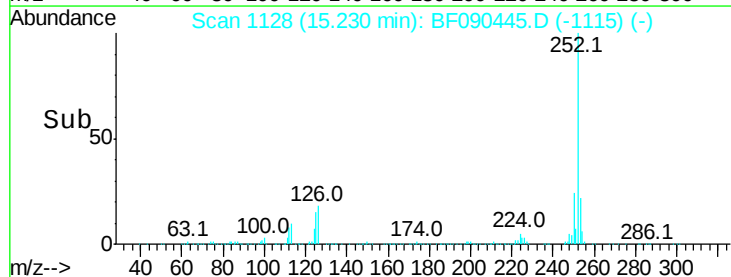
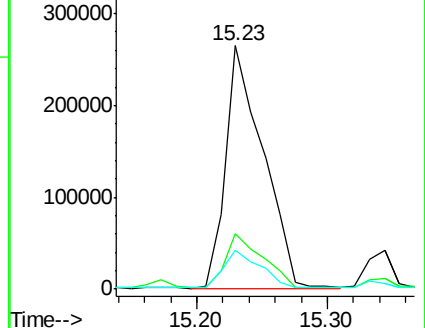
125 15.7 11.7 17.5

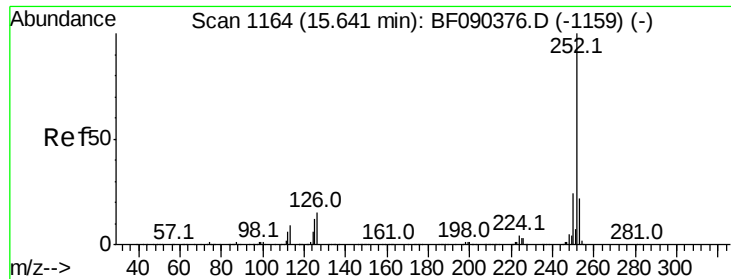


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

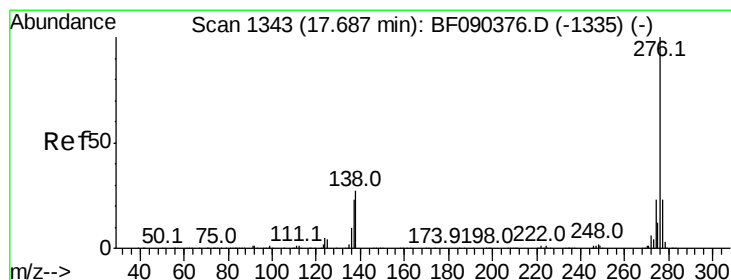
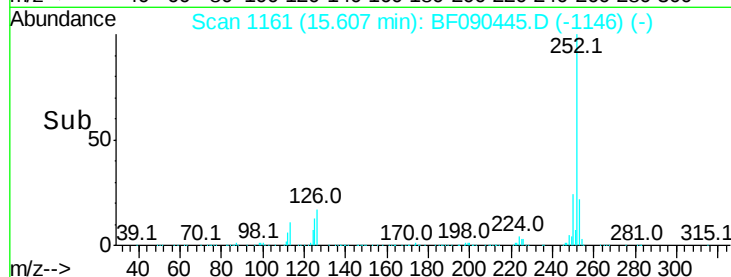
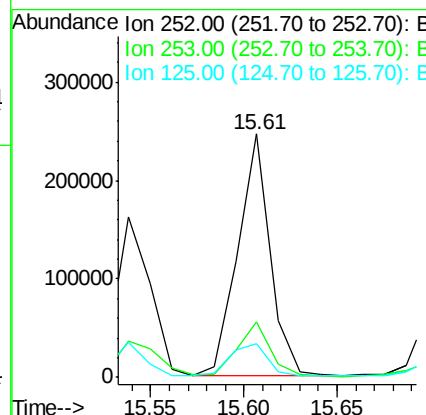
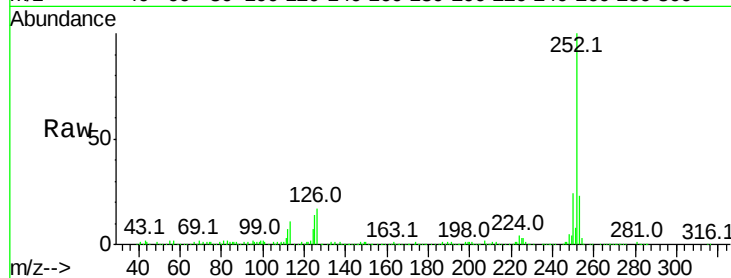




#89
Benzo(a)pyrene
Concen: 11.45 ng
RT: 15.61 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.7	9.8	14.8



#91
Benzo(g,h,i)perylene
Concen: 7.81 ng
RT: 17.62 min Scan# 1337
Delta R.T. -0.07 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	33.2	20.8	31.2

