

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
 Data File : BF090631.D
 Acq On : 18 Oct 2016 16:46
 Operator : UM/SJ
 Sample : H5289-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2

Quant Time: Oct 19 01:43:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

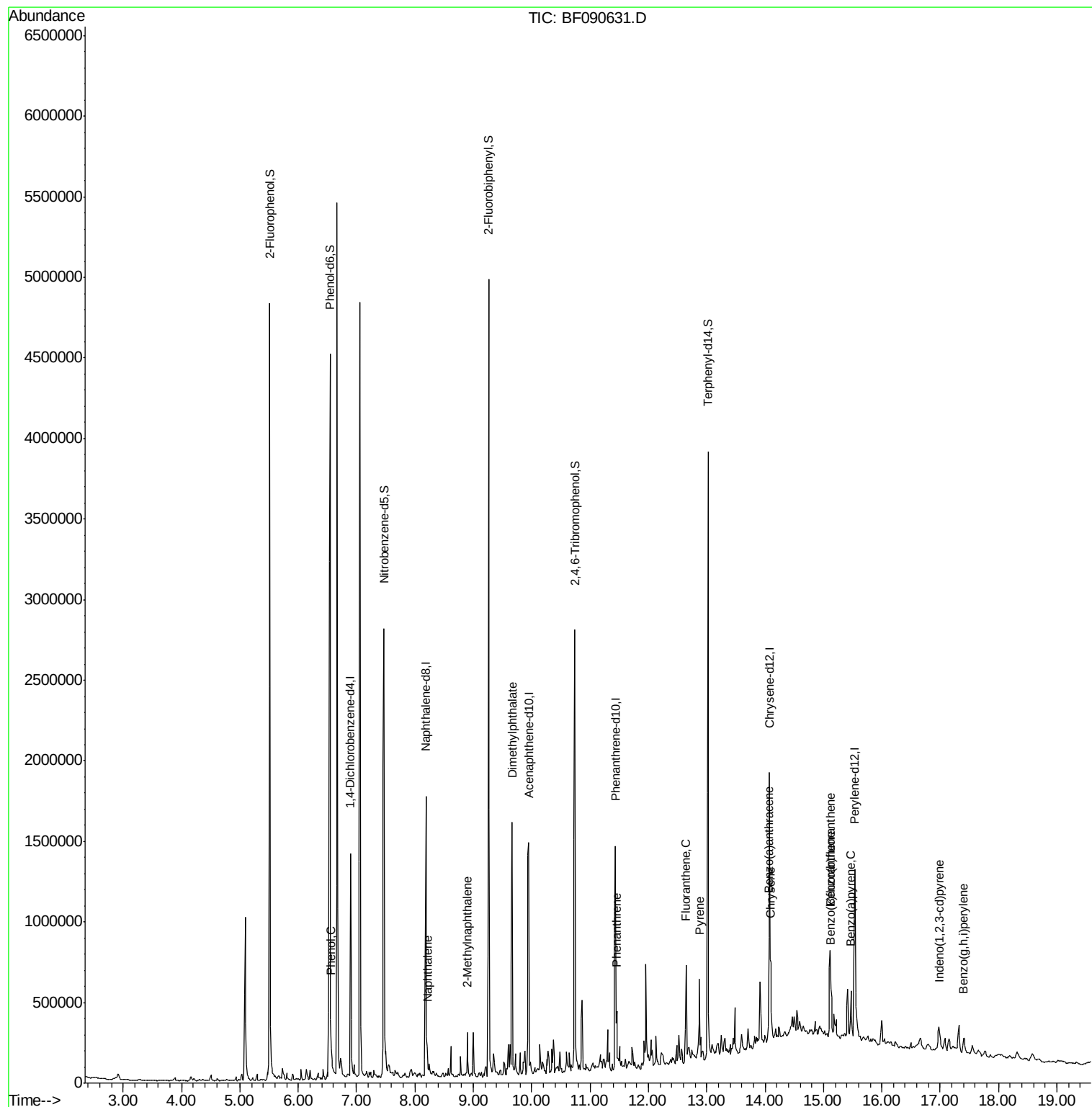
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	212419	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	931298	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	445367	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	648834	20.00	ng	-0.01
75) Chrysene-d12	14.08	240	557351	20.00	ng	-0.01
86) Perylene-d12	15.54	264	518752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1567297	135.26	ng	0.00
7) Phenol-d6	6.54	99	2237637	129.96	ng	0.00
23) Nitrobenzene-d5	7.47	82	1409755	84.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	410229	103.32	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	1797406	66.50	ng	-0.01
78) Terphenyl-d14	13.02	244	1405629	58.72	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.55	94	39677	2.01	ng	97
31) Naphthalene	8.21	128	99468	2.10	ng	100
37) 2-Methylnaphthalene	8.90	142	77088	2.77	ng	100
49) Dimethylphthalate	9.66	163	709536	24.55	ng	# 98
70) Phenanthrene	11.46	178	159955	4.62	ng	98
74) Fluoranthene	12.65	202	256308	7.36	ng	99
77) Pyrene	12.88	202	220262	5.97	ng	98
80) Benzo(a)anthracene	14.06	228	153684m	4.84	ng	
82) Chrysene	14.10	228	224288m	7.34	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	95497	5.40	ng	98
87) Benzo(b)fluoranthene	15.12	252	328455m	9.68	ng	
88) Benzo(k)fluoranthene	15.13	252	115520m	3.16	ng	
89) Benzo(a)pyrene	15.47	252	150335	4.84	ng	98
91) Benzo(a,h,i)perylene	17.40	276	84535	3.74	ng	96

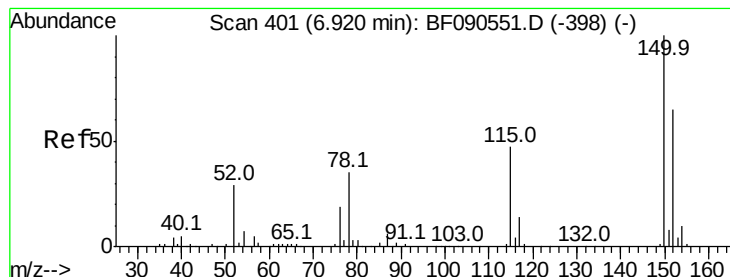
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

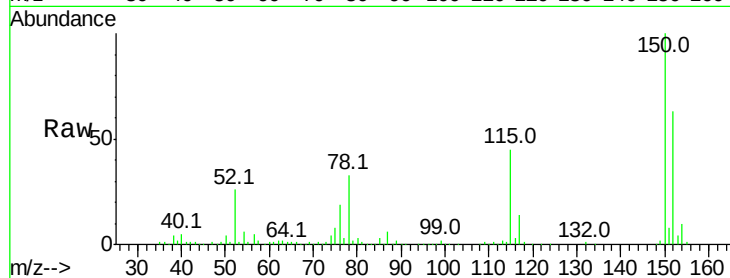
Tot Ion:152 Resp: 212419

Ion Ratio Lower Upper

152 100

150 158.4 127.2 190.8

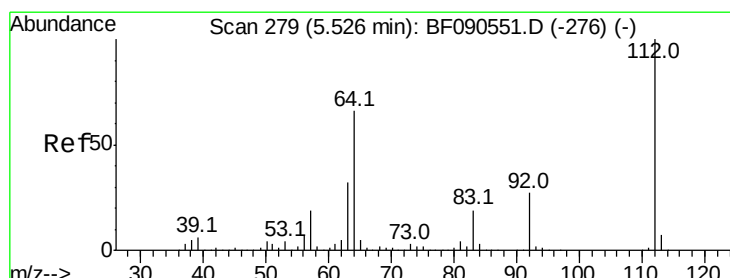
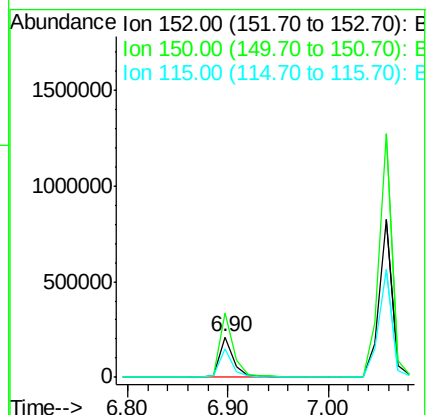
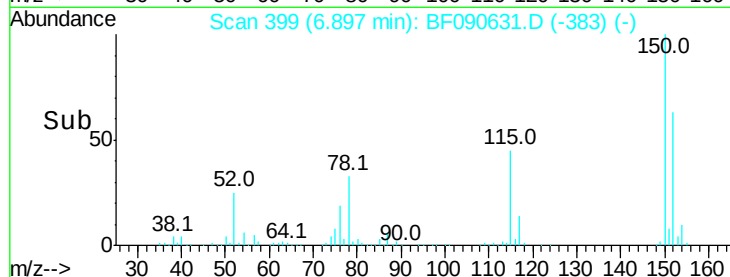
115 71.2 58.6 88.0



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: 135.26 ng

RT: 5.51 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

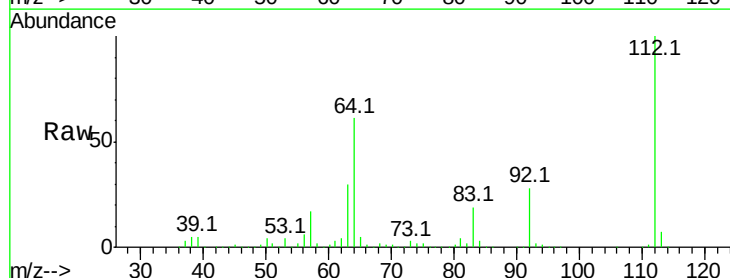
Tgt Ion:112 Resp: 1567297

Ion Ratio Lower Upper

112 100

64 61.3 52.6 78.8

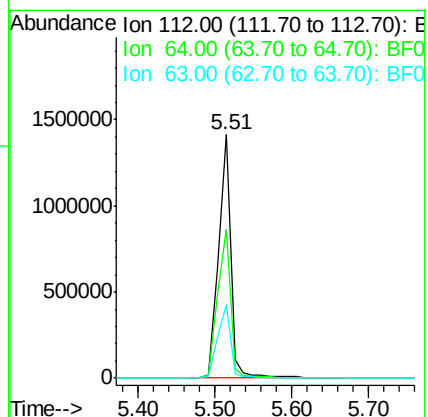
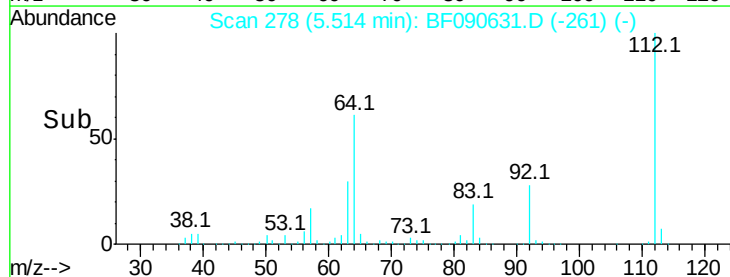
63 30.2 26.0 39.0

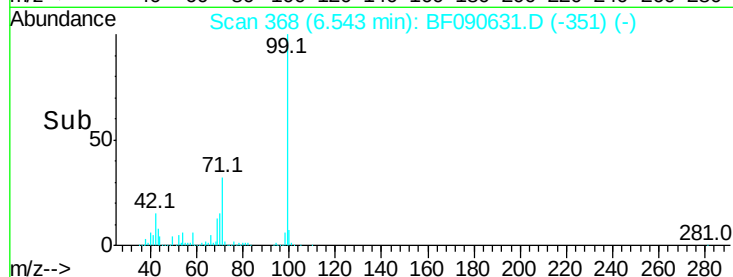
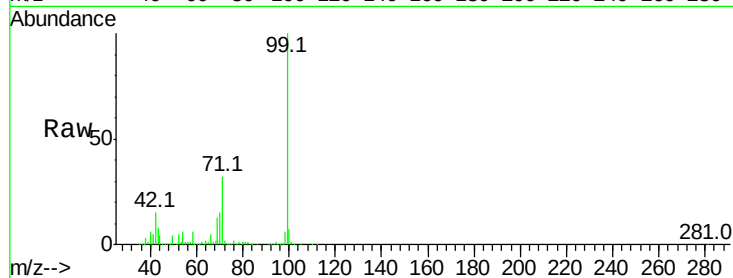
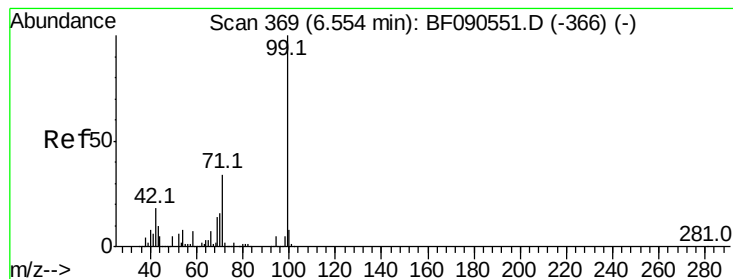


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.96 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

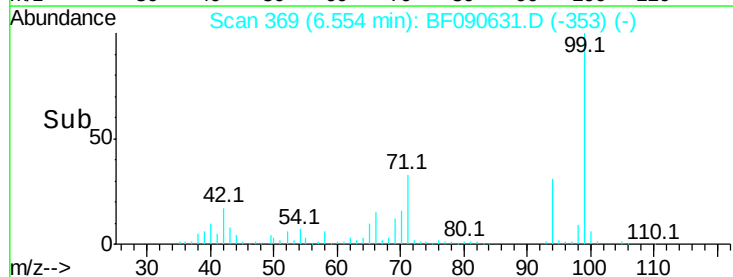
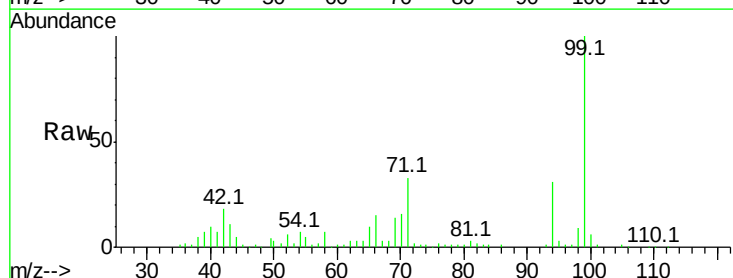
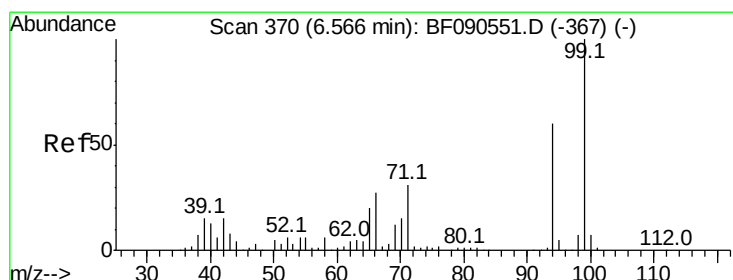
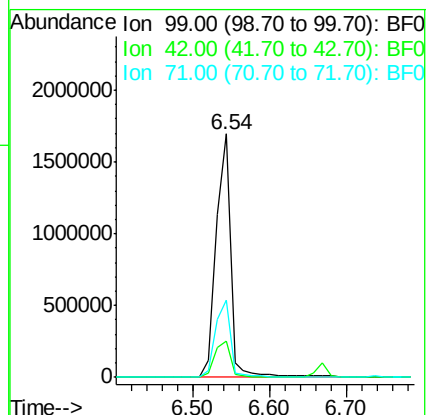
BNA_F

ClientSampleId :

SP-3-2

Tot Ion: 99 Resp: 2237637

Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.7	22.1
71	31.7	27.6	41.4



#10

Phenol

Concen: 2.01 ng

RT: 6.55 min Scan# 369

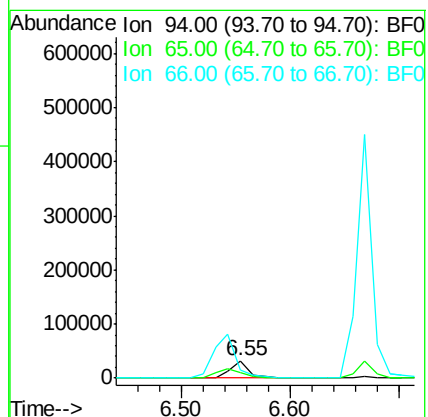
Delta R.T. -0.01 min

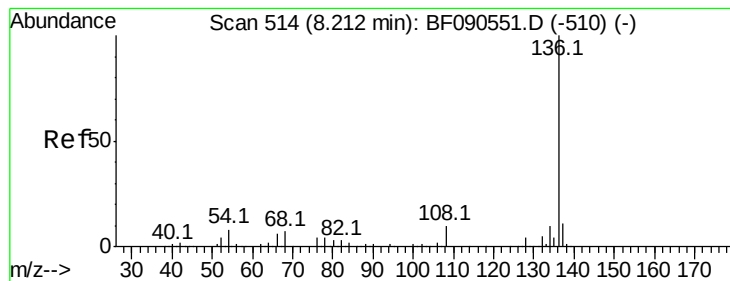
Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Tgt Ion: 94 Resp: 39677

Ion	Ratio	Lower	Upper
94	100		
65	30.6	12.5	52.5
66	47.4	25.5	65.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampled :

SP-3-2

Tot Ion:136 Resp: 931298

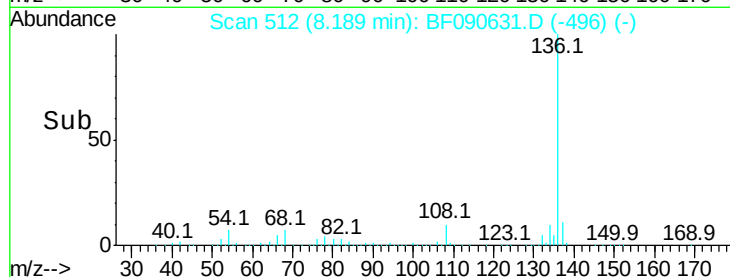
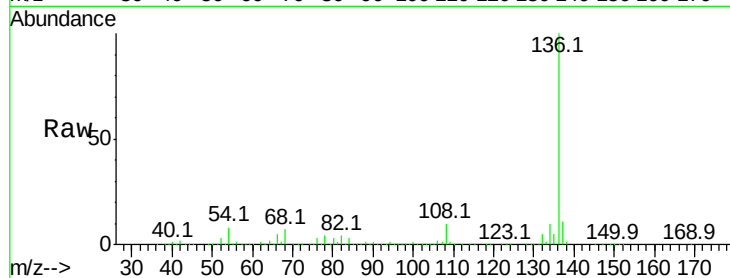
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.6 6.8 10.2

68 6.8 6.0 9.0

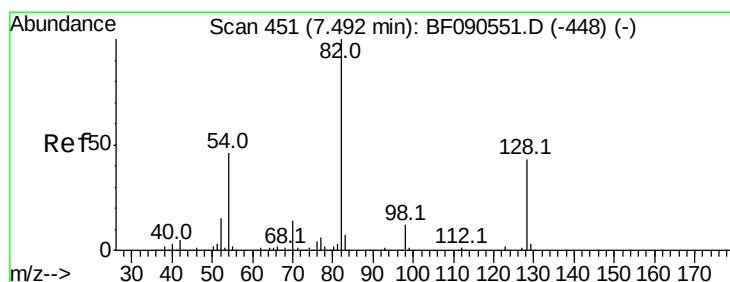
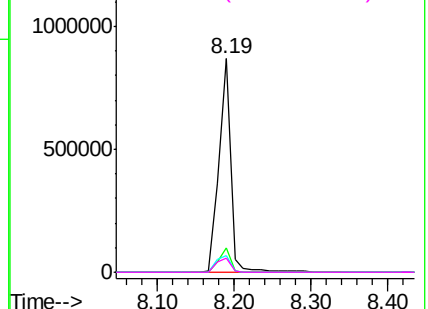


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.09 ng

RT: 7.47 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

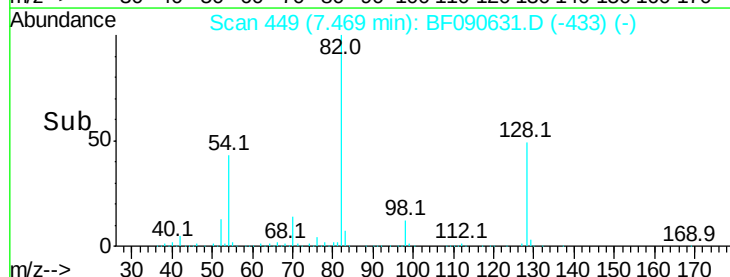
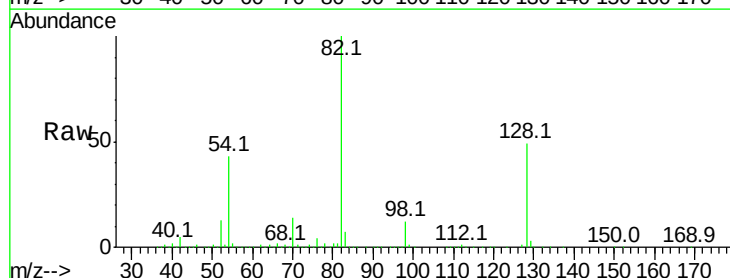
Tgt Ion: 82 Resp: 1409755

Ion Ratio Lower Upper

82 100

128 49.2 34.3 51.5

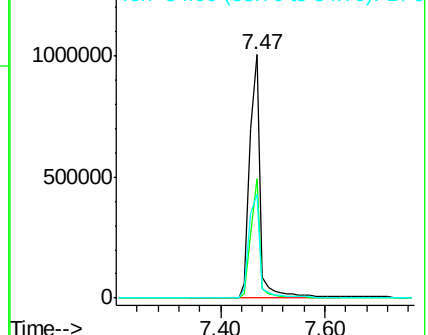
54 42.9 37.0 55.6

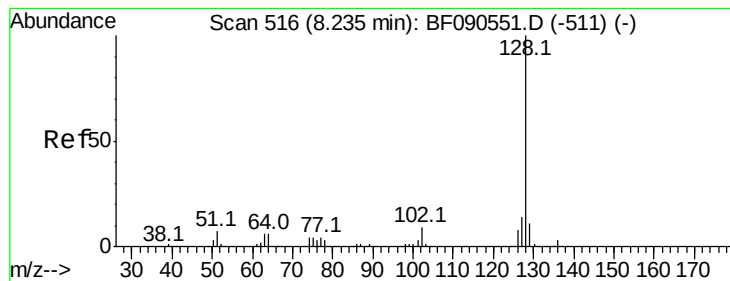


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.10 ng

RT: 8.21 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampled :

SP-3-2

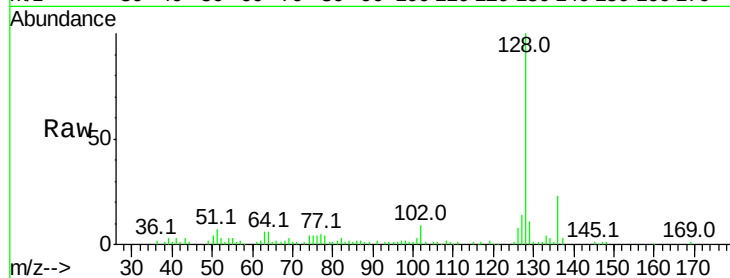
Tot Ion:128 Resp: 99468

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

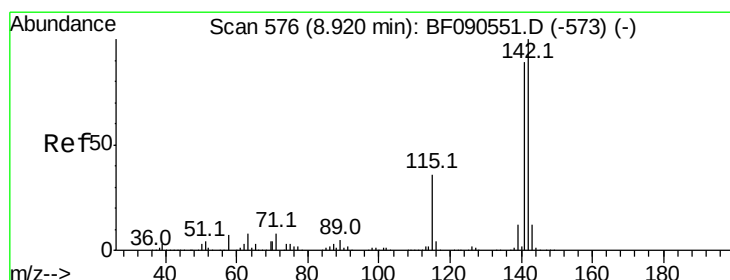
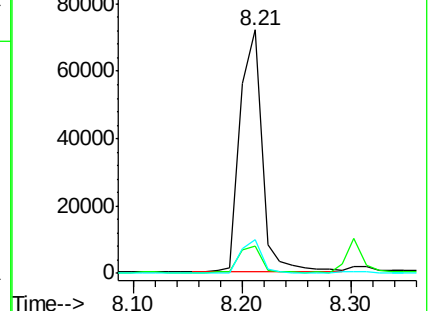
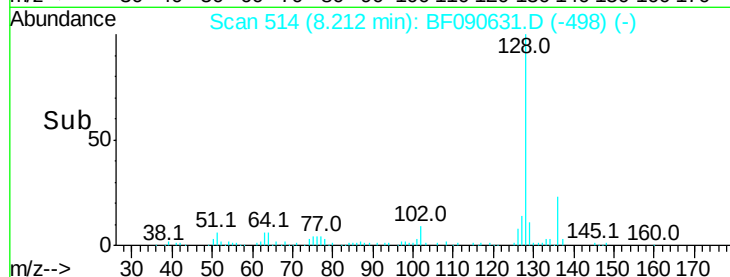
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.77 ng

RT: 8.90 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

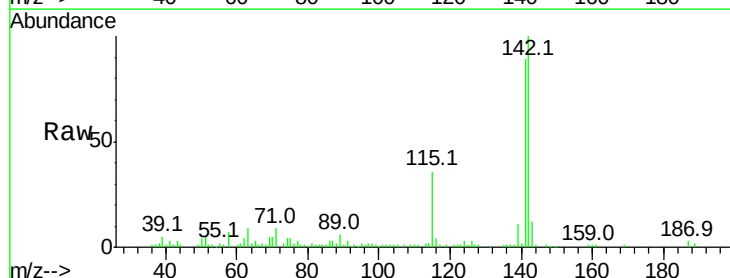
Tgt Ion:142 Resp: 77088

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

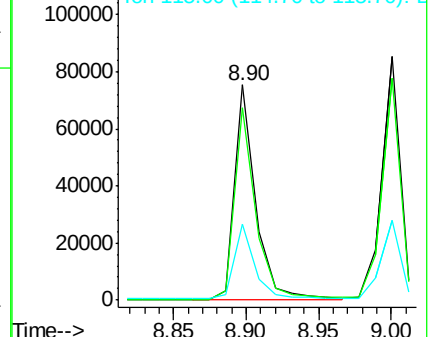
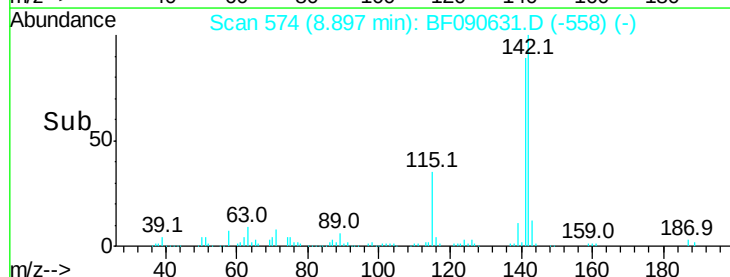
115 35.5 28.8 43.2

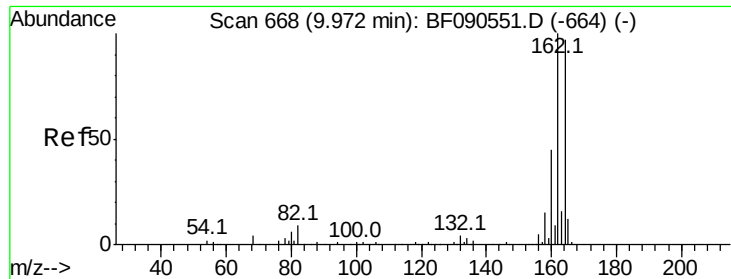


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

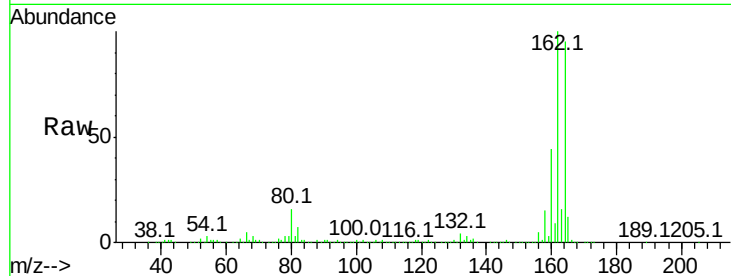
Tot Ion:164 Resp: 445367

Ion Ratio Lower Upper

164 100

162 105.0 82.2 123.4

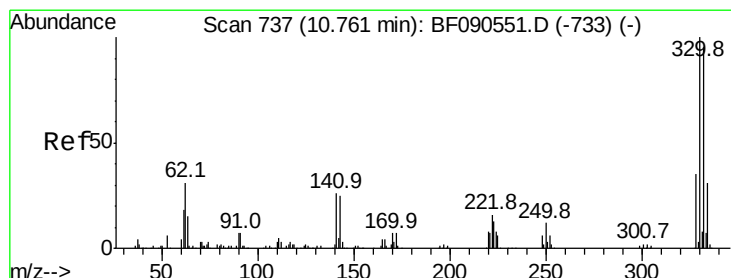
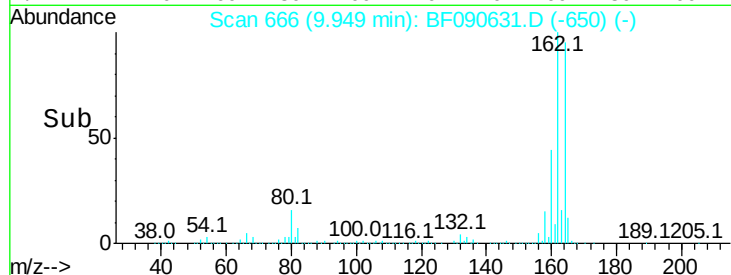
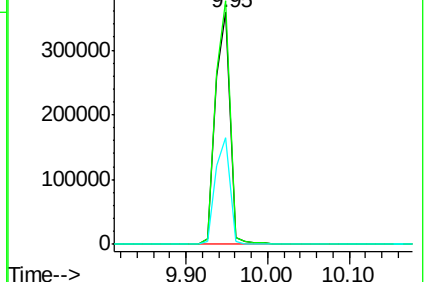
160 45.7 36.6 55.0



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: 103.32 ng

RT: 10.74 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

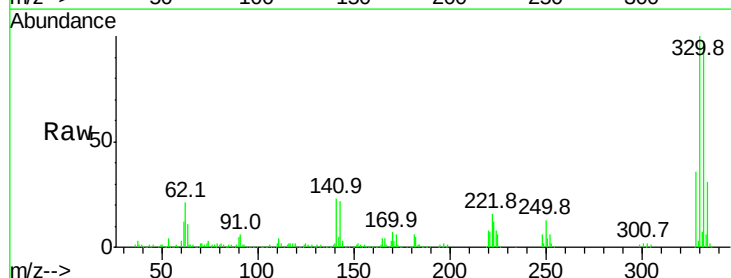
Tgt Ion:330 Resp: 410229

Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.2

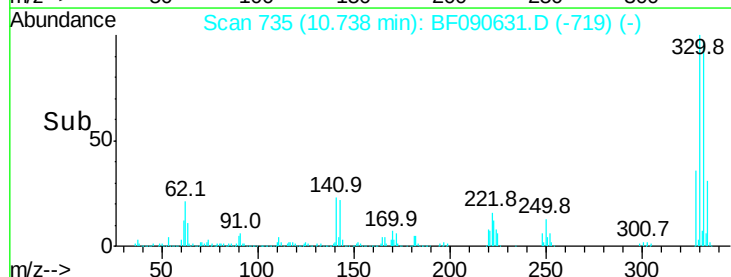
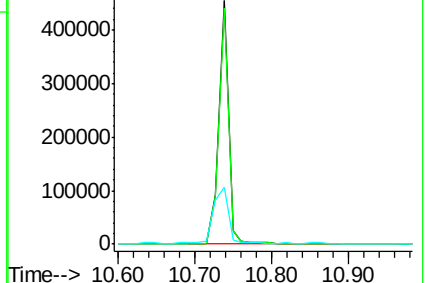
141 34.9 31.4 47.2

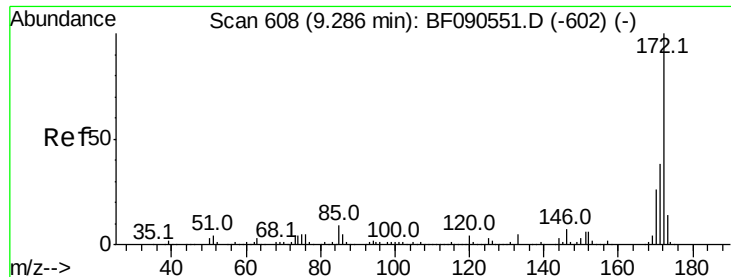


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



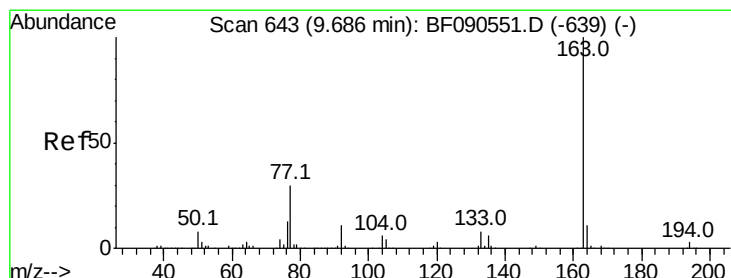
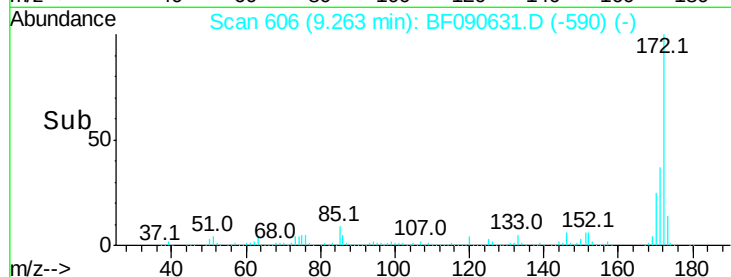
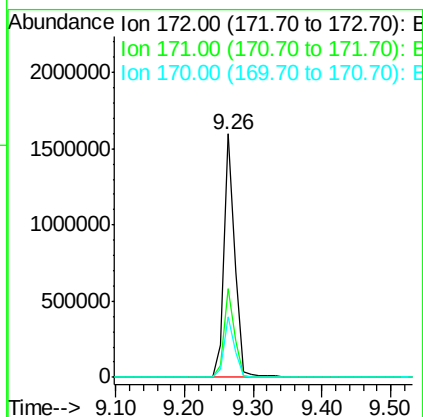
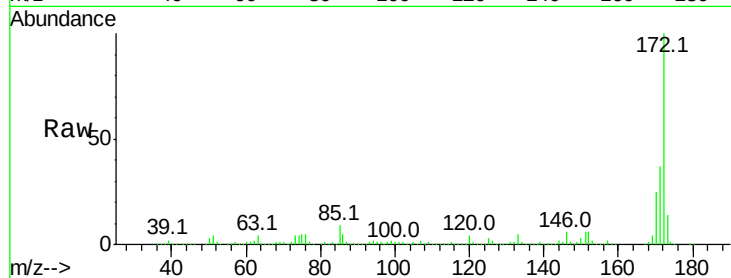


#44
 2-Fluorobiphenyl
 Concen: 66.50 ng
 RT: 9.26 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF090631.D
 Acq: 18 Oct 2016 16:46

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2

Tot Ion:172 Resp: 1797406

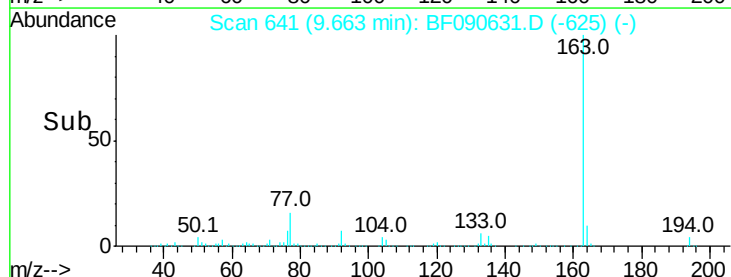
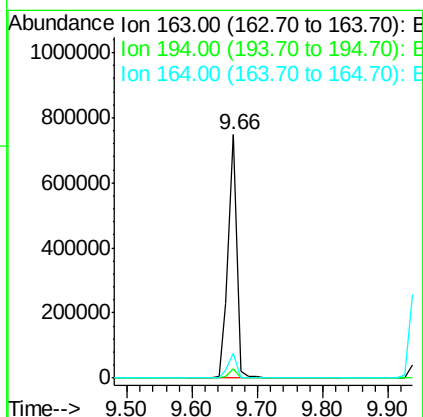
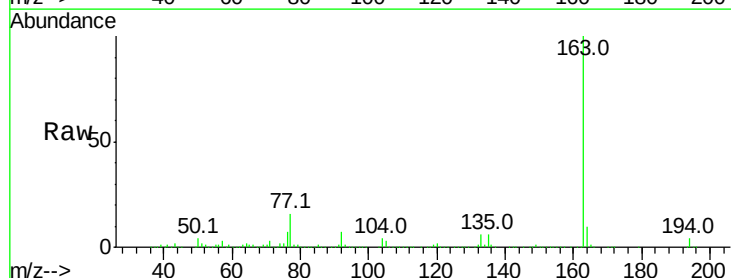
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.1	45.1
170	24.8	20.6	30.8

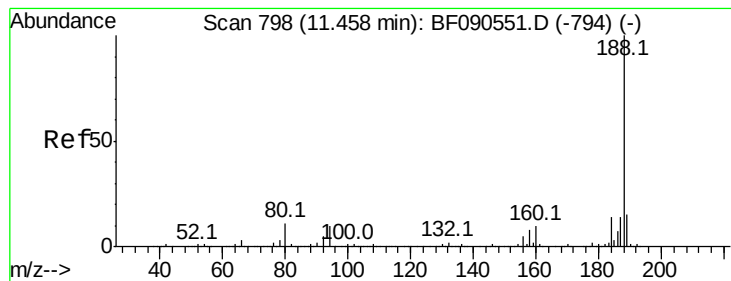


#49
 Dimethylphthalate
 Concen: 24.55 ng
 RT: 9.66 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090631.D
 Acq: 18 Oct 2016 16:46

Tgt Ion:163 Resp: 709536

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.3	3.5#
164	10.0	8.6	13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

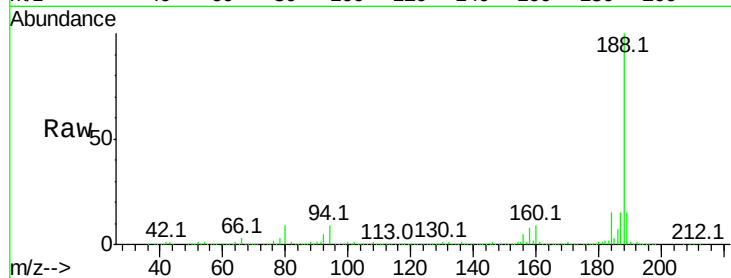
Tot Ion:188 Resp: 648834

Ion Ratio Lower Upper

188 100

94 8.6 7.7 11.5

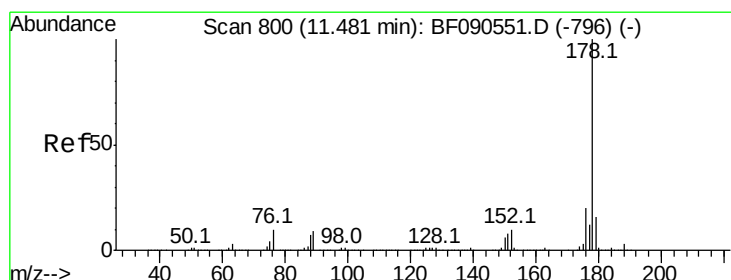
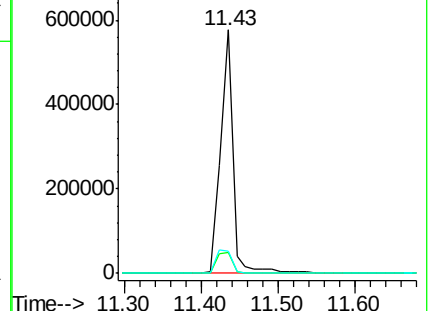
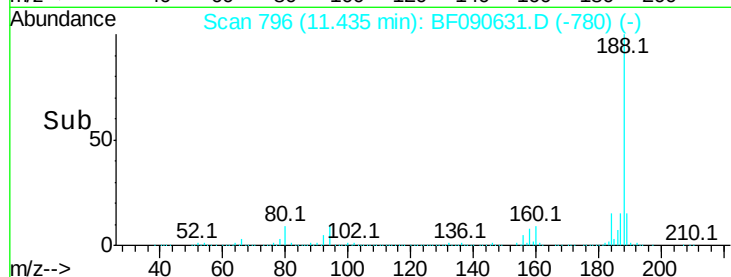
80 9.2 8.6 12.8



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: 4.62 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

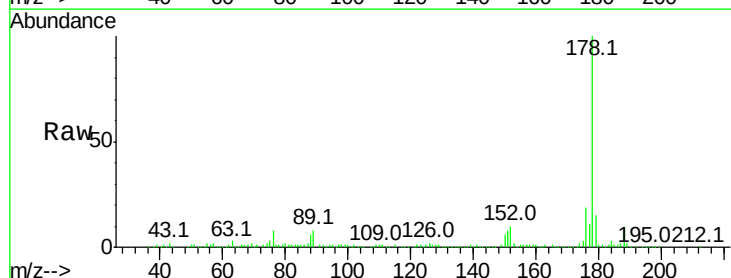
Tgt Ion:178 Resp: 159955

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

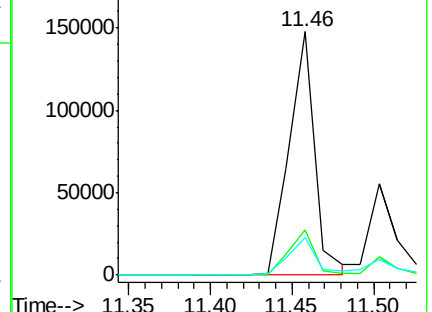
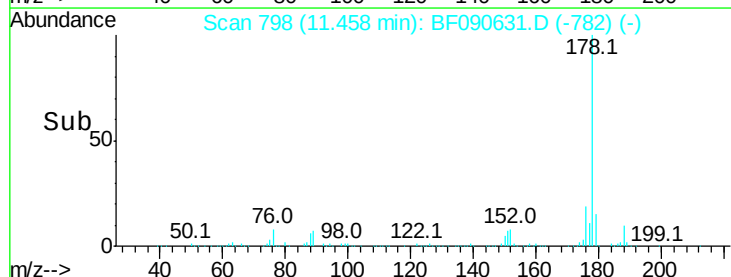
179 15.2 12.6 19.0

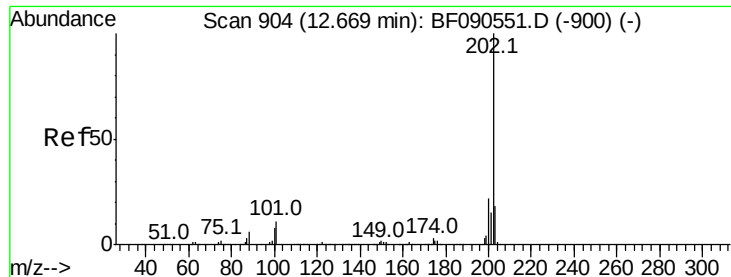


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.36 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

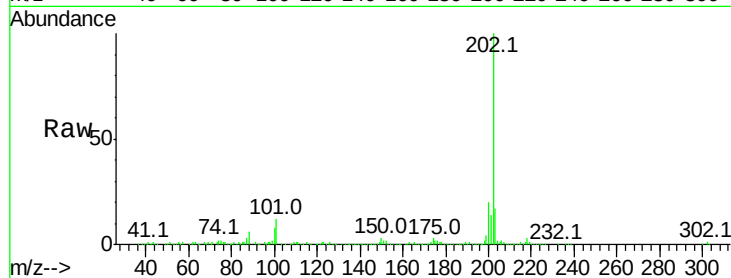
Tot Ion:202 Resp: 256308

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.1

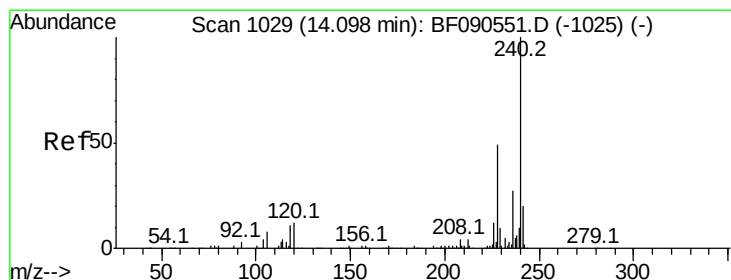
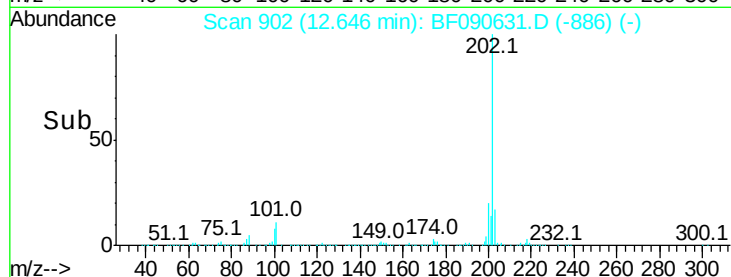
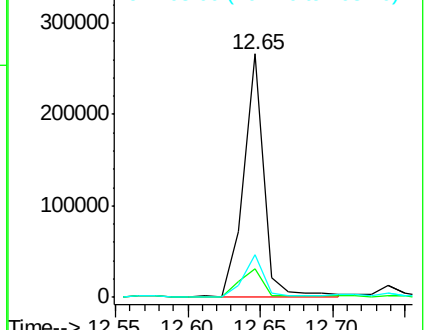
203 17.3 0.0 38.0



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: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

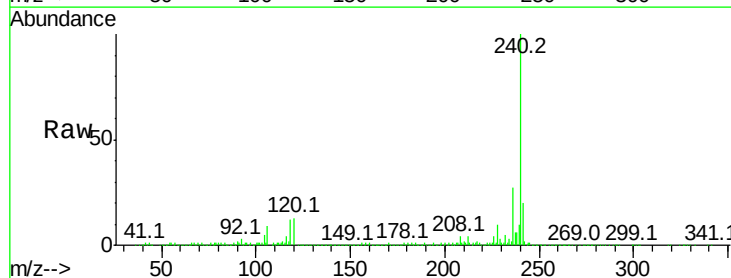
Tgt Ion:240 Resp: 557351

Ion Ratio Lower Upper

240 100

120 13.0 9.8 14.8

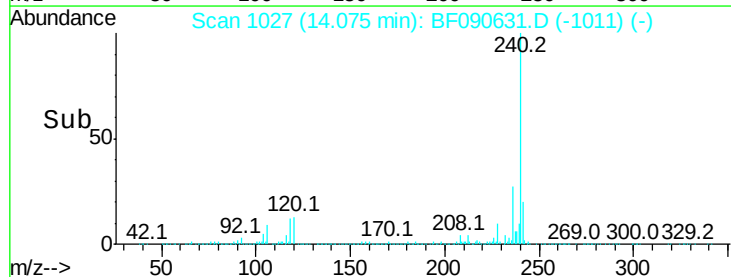
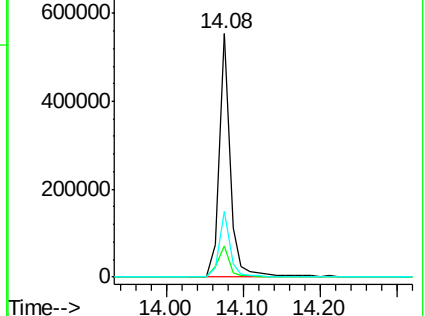
236 27.2 21.7 32.5

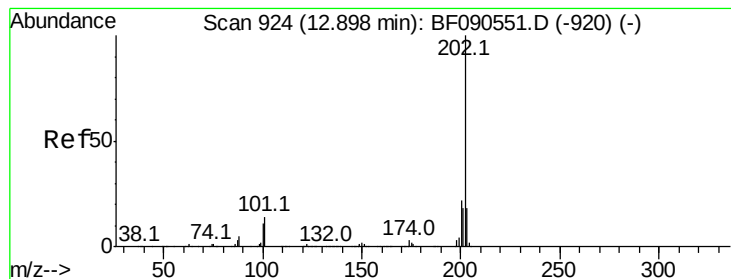


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.97 ng

RT: 12.88 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

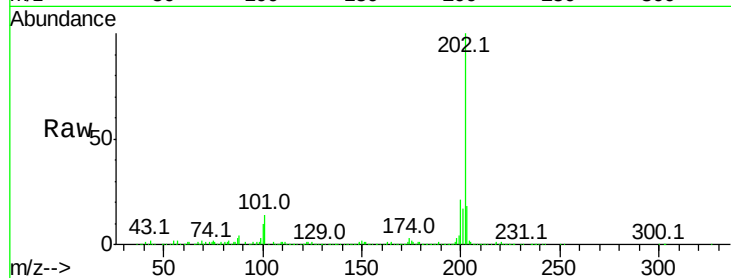
Tot Ion:202 Resp: 220262

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

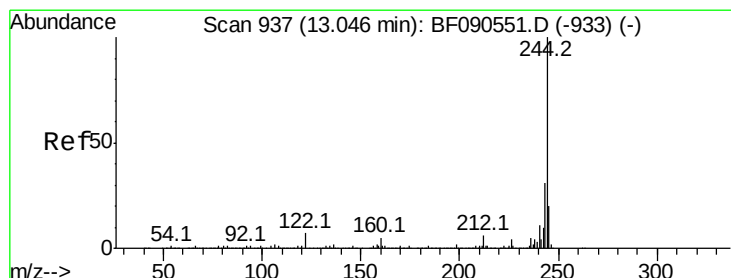
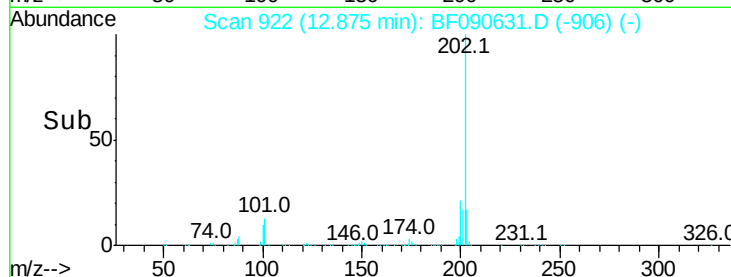
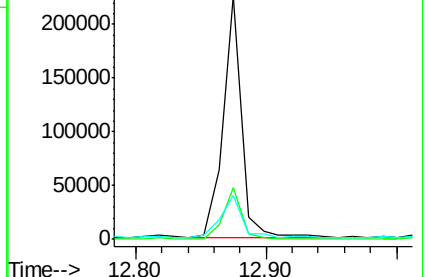
203 17.9 14.6 21.8



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: 58.72 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

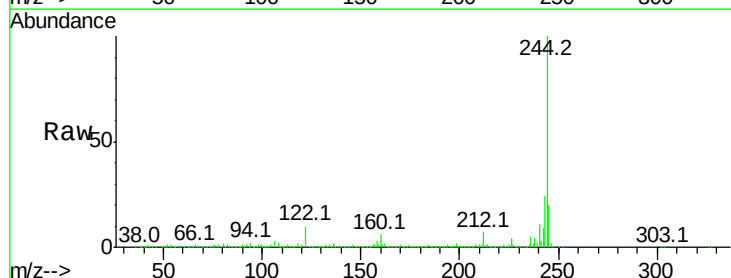
Tgt Ion:244 Resp: 1405629

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

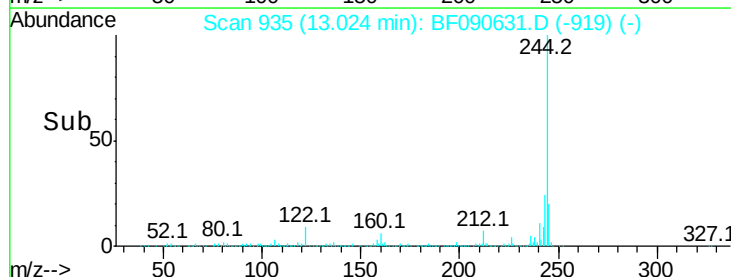
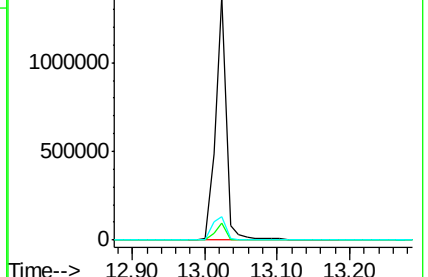
122 9.5 5.6 8.4#

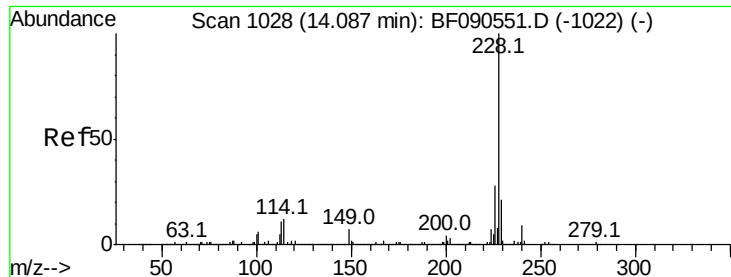


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.84 ng m

RT: 14.06 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :

BNA_F

ClientSampleId :

SP-3-2

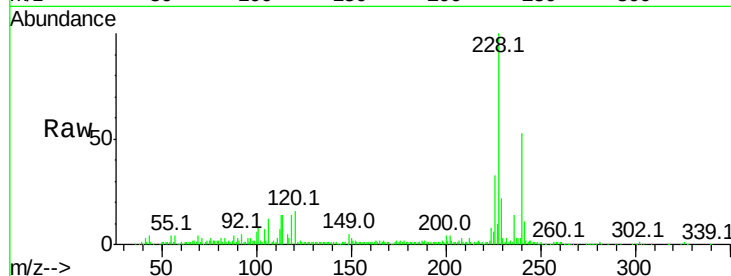
Tot Ion:228 Resp: 153684

Ion Ratio Lower Upper

228 100

226 33.2 22.8 34.2

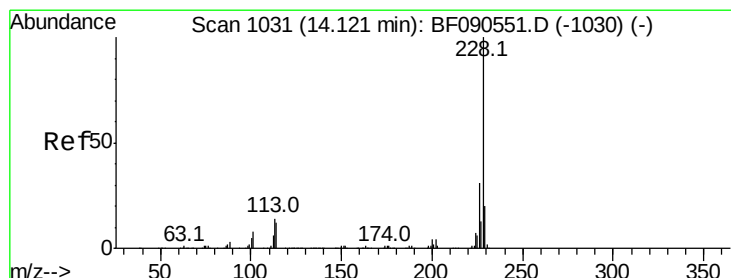
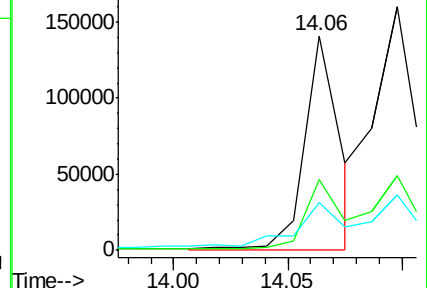
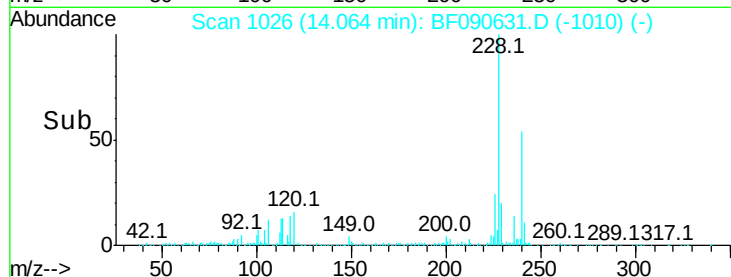
229 22.5 16.6 25.0



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: 7.34 ng m

RT: 14.10 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

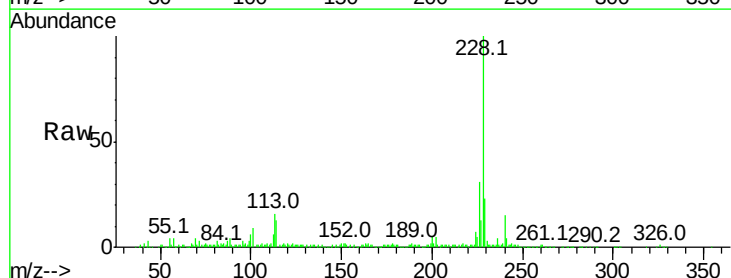
Tgt Ion:228 Resp: 224288

Ion Ratio Lower Upper

228 100

226 30.6 24.8 37.2

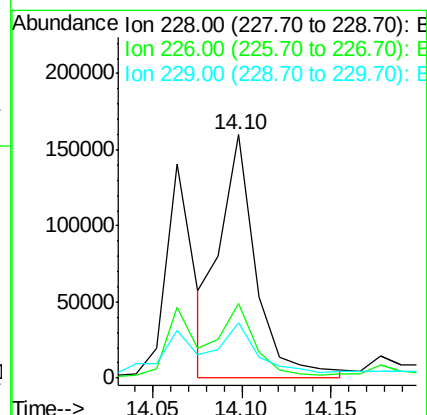
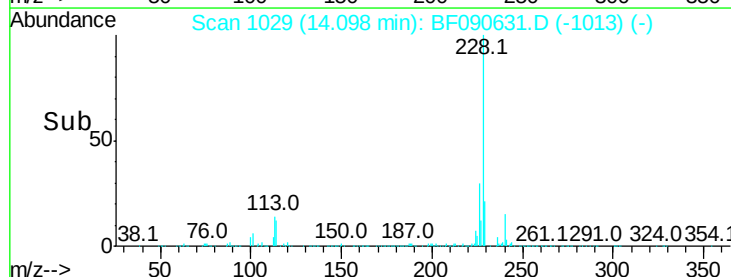
229 22.6 16.2 24.4

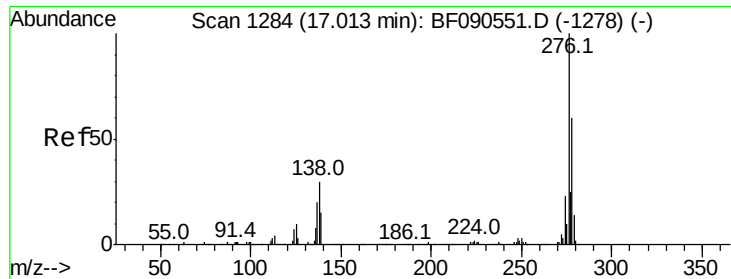


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

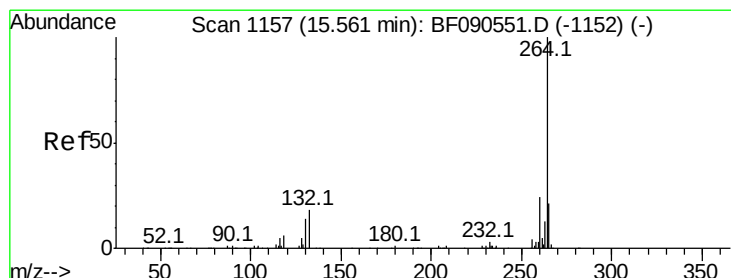
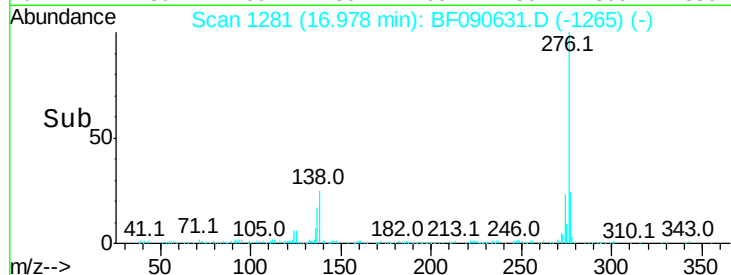
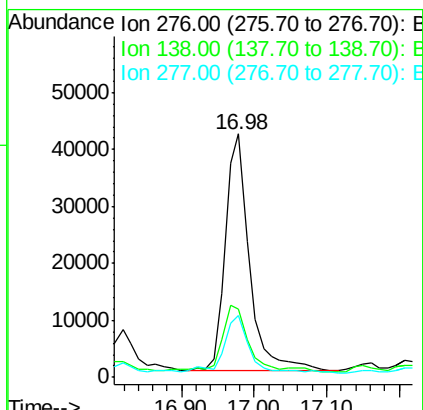
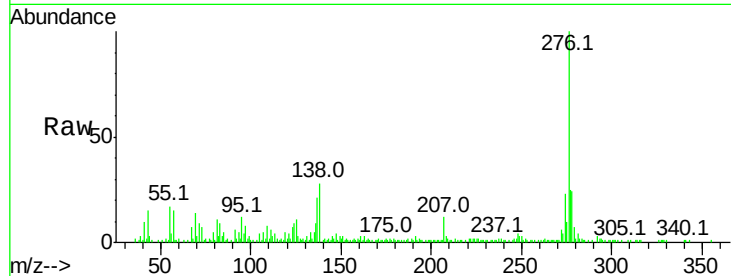




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.40 ng
 RT: 16.98 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF090631.D
 Acq: 18 Oct 2016 16:46

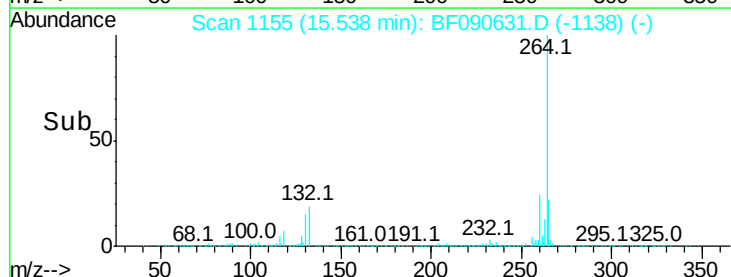
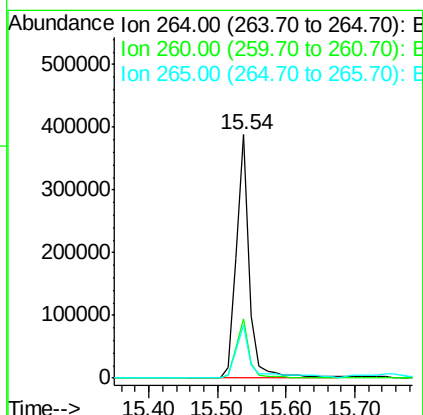
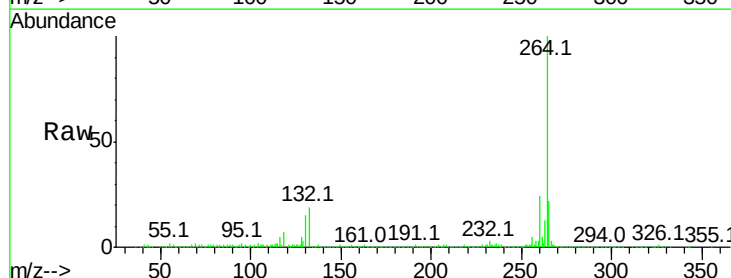
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-2

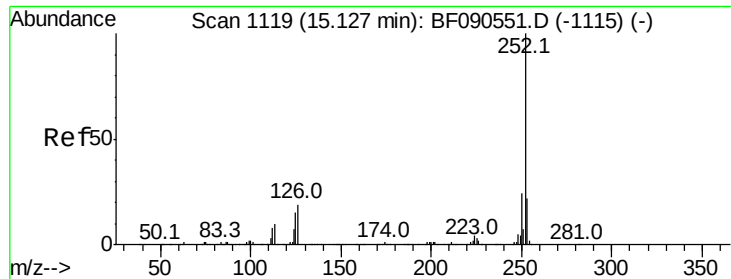
Tot Ion:276 Resp: 95497
 Ion Ratio Lower Upper
 276 100
 138 32.1 25.8 38.6
 277 27.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF090631.D
 Acq: 18 Oct 2016 16:46

Tgt Ion:264 Resp: 518752
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.3 28.9
 265 21.8 16.7 25.1





#87

Benzo(b)fluoranthene

Concen: 9.68 ng m

RT: 15.12 min Scan# 1118

Delta R.T. -0.00 min

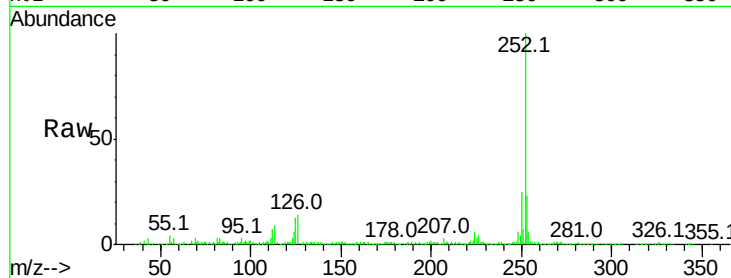
Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Instrument :
BNA_F
ClientSampled :
SP-3-2

Tot Ion:252 Resp: 328455

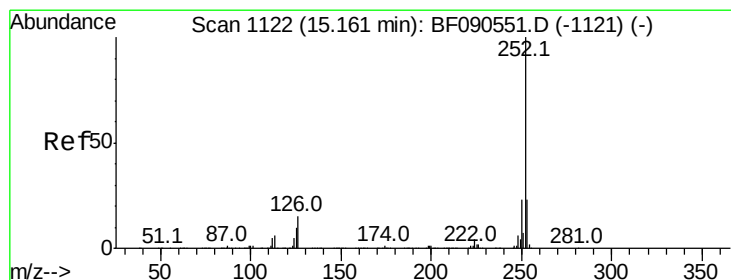
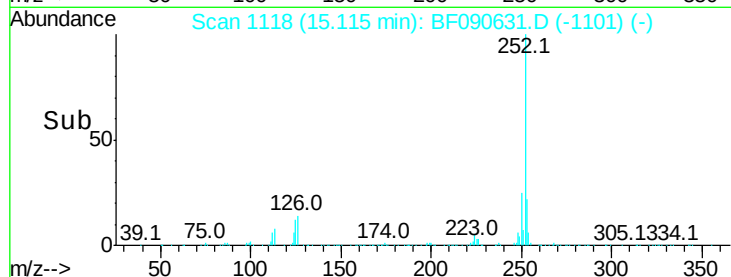
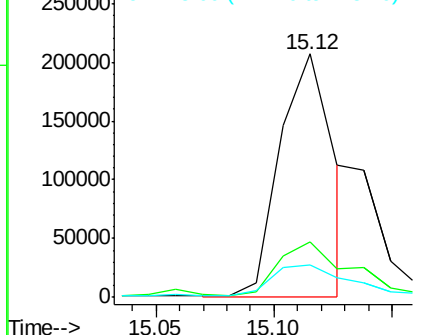
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	13.3	12.0	18.0



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: 3.16 ng m

RT: 15.13 min Scan# 1119

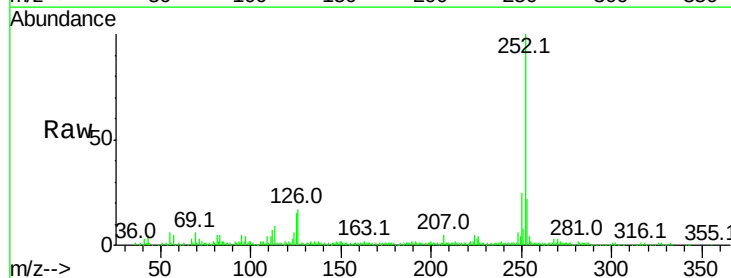
Delta R.T. -0.02 min

Lab File: BF090631.D

Acq: 18 Oct 2016 16:46

Tgt Ion:252 Resp: 115520

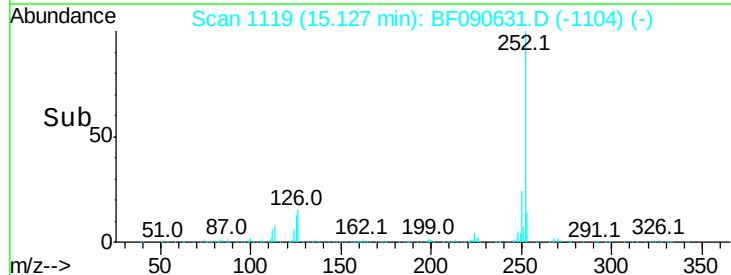
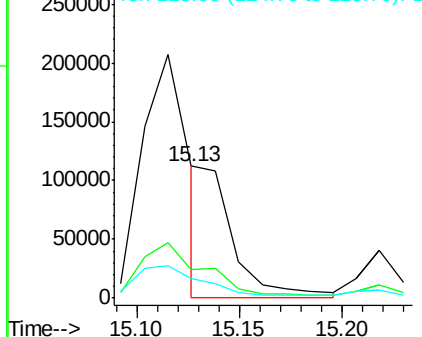
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	14.8	10.0	15.0

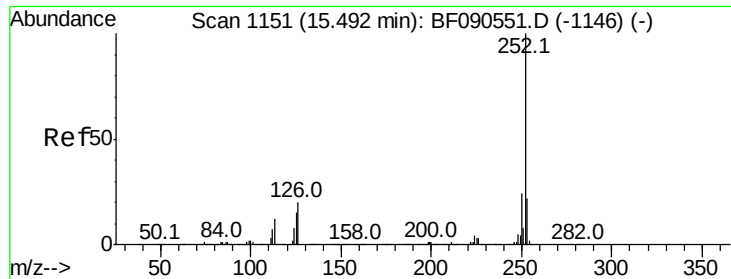


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

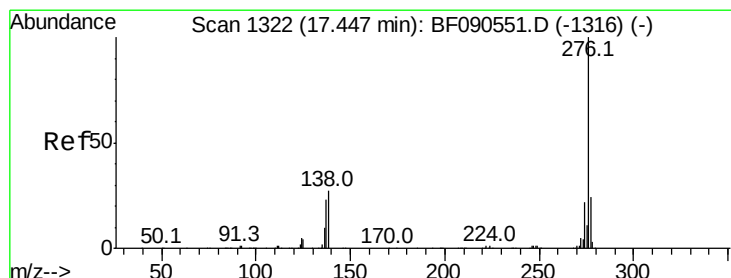
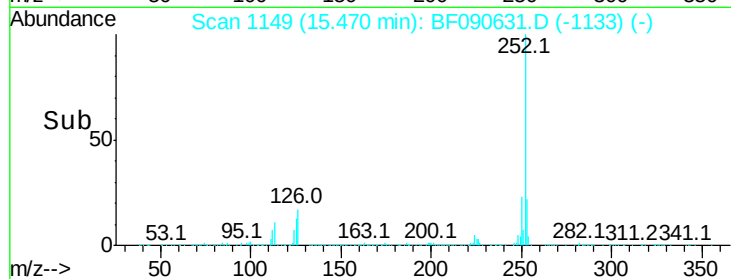
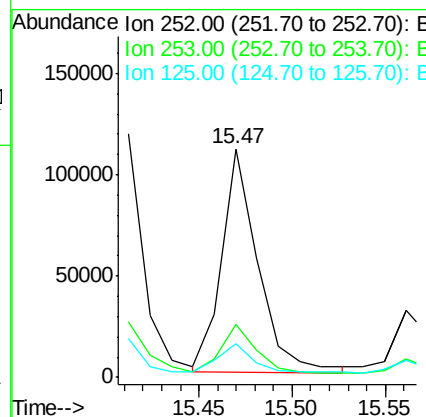
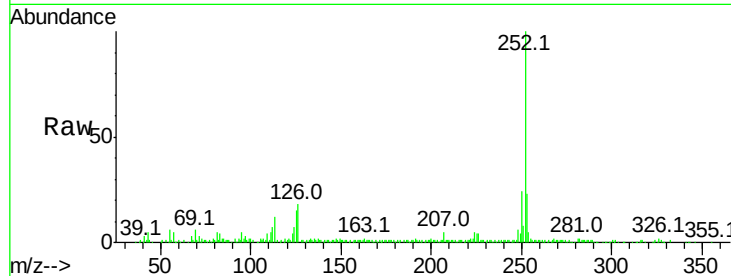




#89
Benzo(a)pyrene
Concen: 4.84 ng
RT: 15.47 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF090631.D
Acq: 18 Oct 2016 16:46

Instrument :
BNA_F
ClientSampleId :
SP-3-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.9	12.3	18.5



#91
Benzo(g,h,i)perylene
Concen: 3.74 ng
RT: 17.40 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF090631.D
Acq: 18 Oct 2016 16:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	31.0	21.8	32.8

