

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093016\
 Data File : BF090327.D
 Acq On : 30 Sep 2016 22:11
 Operator : UM/SJ
 Sample : H5025-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Quant Time: Sep 30 22:59:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

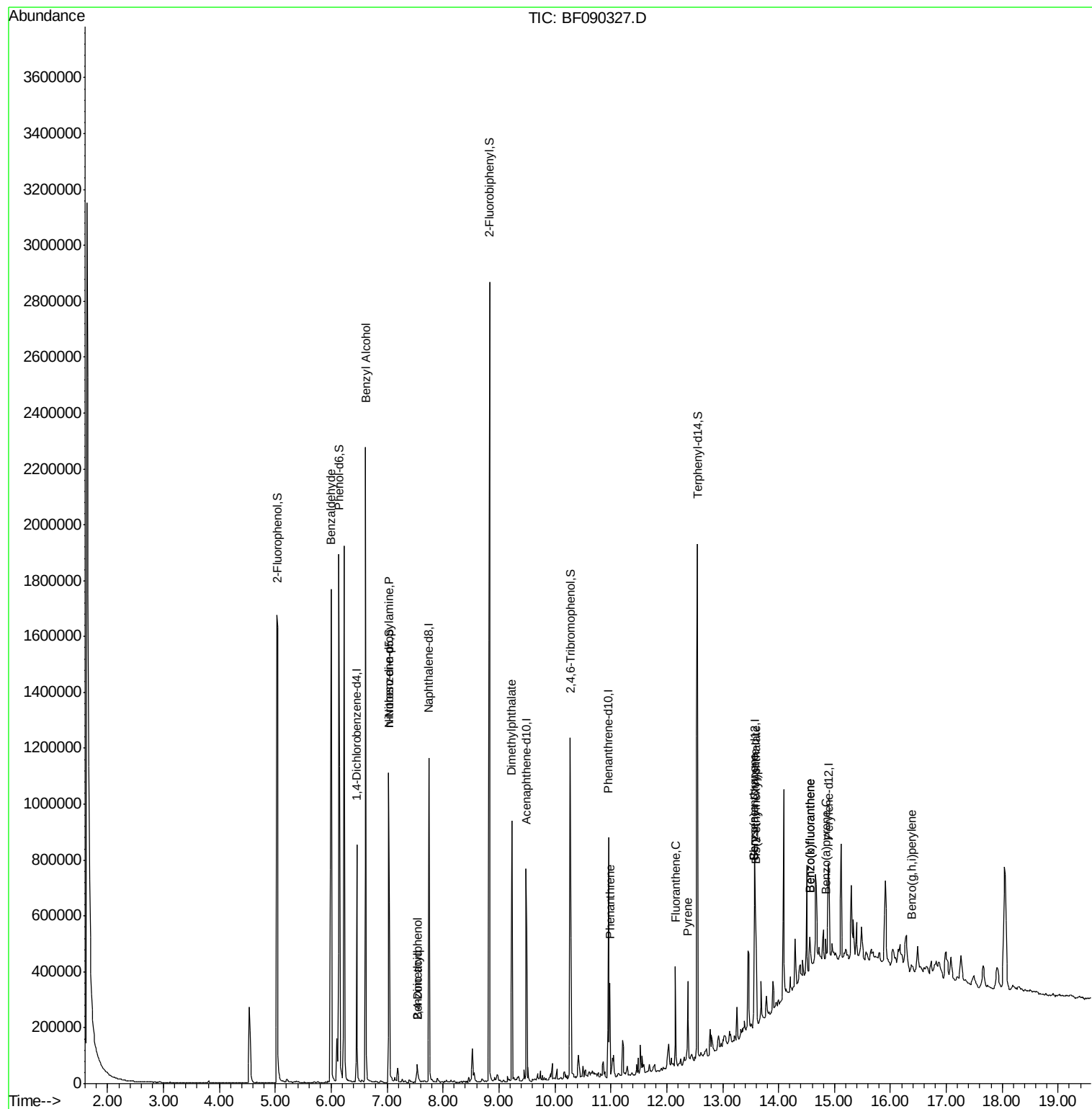
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	128272	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	493677	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	220142	20.00	ng	-0.02
63) Phenanthrene-d10	10.96	188	293890	20.00	ng	-0.02
75) Chrysene-d12	13.58	240	253049	20.00	ng	-0.02
86) Perylene-d12	14.90	264	182419	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	829134	105.36	ng	0.01
7) Phenol-d6	6.14	99	1037803	106.79	ng	0.00
23) Nitrobenzene-d5	7.03	82	507415	59.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.27	330	174706	92.50	ng	-0.02
44) 2-Fluorobiphenyl	8.83	172	1104536	98.50	ng	-0.02
78) Terphenyl-d14	12.55	244	722118	72.45	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.00	77	420264	99.23	ng	96
15) Benzyl Alcohol	6.62	79	12901	2.23	ng	# 47
19) n-Nitroso-di-n-propylamine	7.03	70	59293	10.39	ng	# 81
27) 2,4-Dimethylphenol	7.54	122	21309	2.74	ng	# 5
32) Benzoic acid	7.54	122	24725	4.64	ng	92
49) Dimethylphthalate	9.23	163	428496	30.56	ng	100
70) Phenanthrene	10.98	178	116796	8.50	ng	98
74) Fluoranthene	12.16	202	145426	9.86	ng	93
77) Pyrene	12.38	202	130266	7.52	ng	# 94
80) Benzo(a)anthracene	13.57	228	52329	3.84	ng	97
82) Chrysene	13.57	228	52329	3.95	ng	98
83) Bis(2-ethylhexyl)phthalate	13.59	149	94282	8.70	ng	# 97
87) Benzo(b)fluoranthene	14.56	252	71750	7.10	ng	95
88) Benzo(k)fluoranthene	14.56	252	71750	7.57	ng	# 90
89) Benzo(a)pyrene	14.85	252	33829	3.56	ng	# 83
91) Benzo(g,h,i)perylene	16.38	276	20190	2.78	ng	93

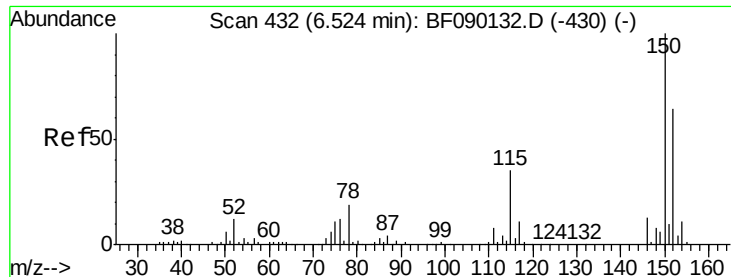
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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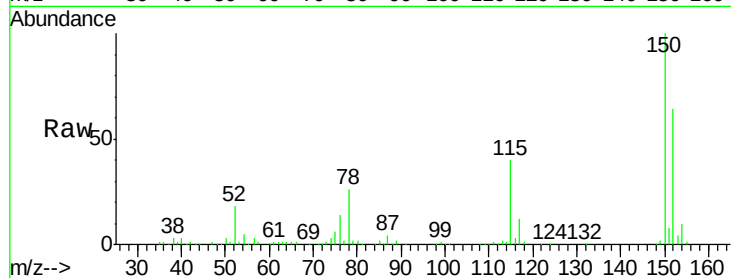


#1

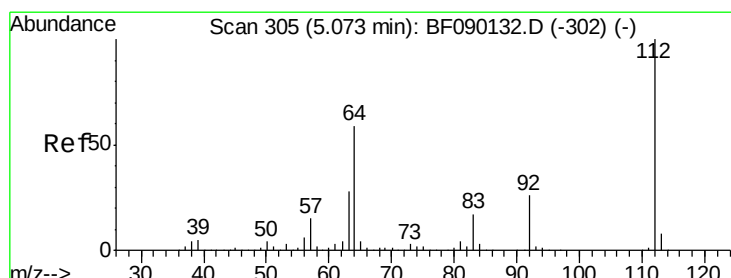
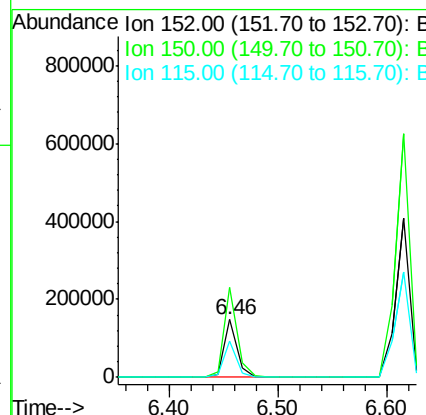
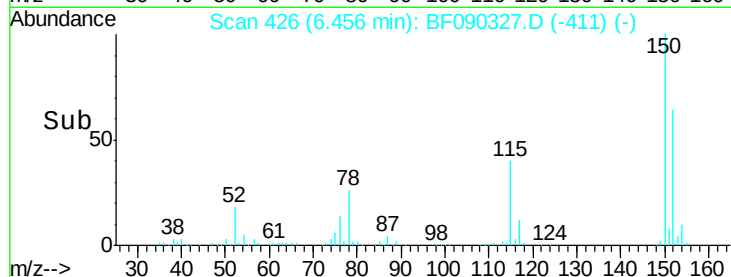
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampled :
PA-2

Tgt Ion:152 Resp: 128272
Ion Ratio Lower Upper
152 100
150 155.3 128.9 193.3
115 62.7 55.5 83.3



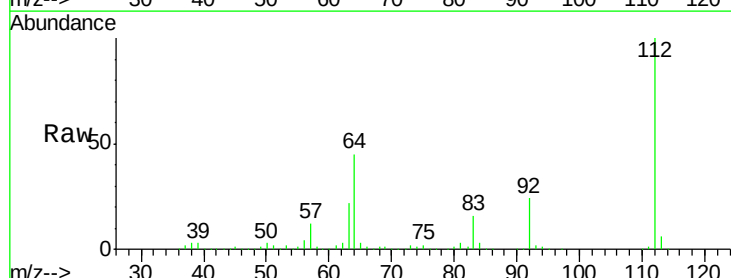
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



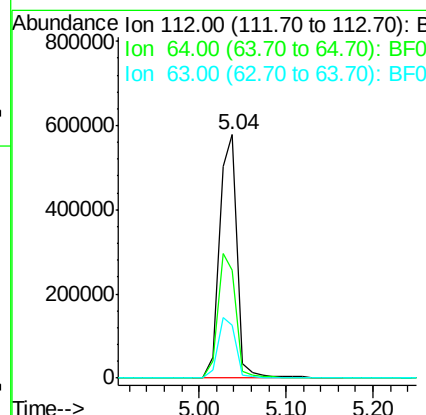
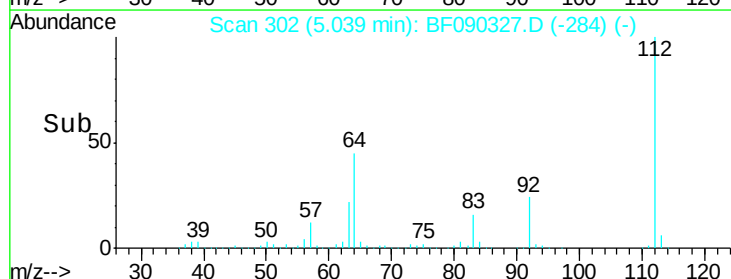
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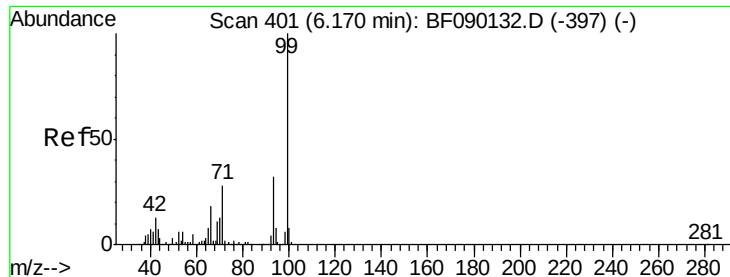
2-Fluorophenol
Concen: 105.36 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:112 Resp: 829134
Ion Ratio Lower Upper
112 100
64 44.6 39.8 59.6
63 21.9 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.79 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

PA-2

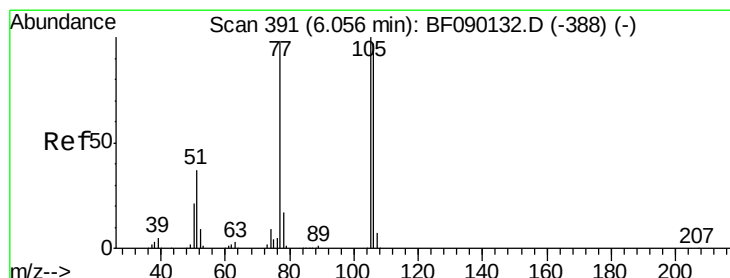
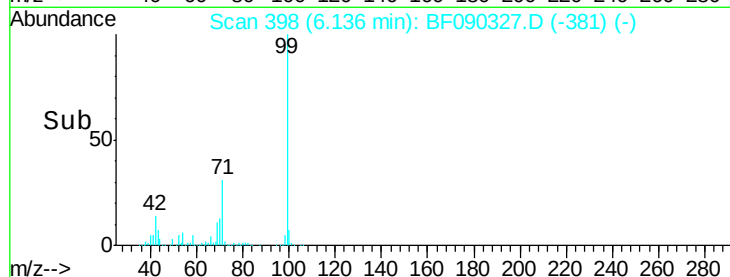
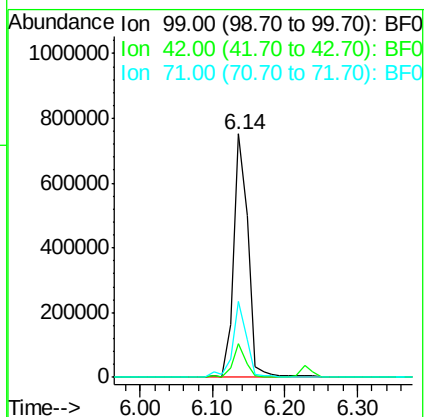
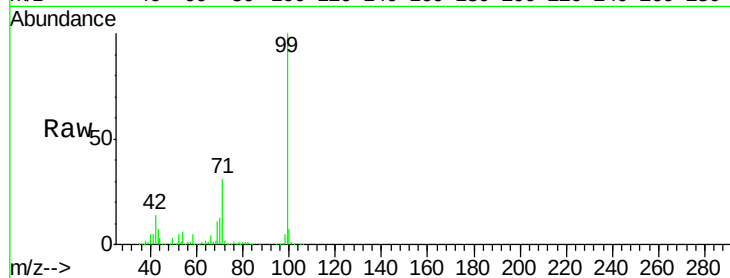
Tgt Ion: 99 Resp: 1037803

Ion Ratio Lower Upper

99 100

42 14.1 10.6 15.8

71 31.3 23.0 34.6



#9

Benzaldehyde

Concen: 99.23 ng

RT: 6.00 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

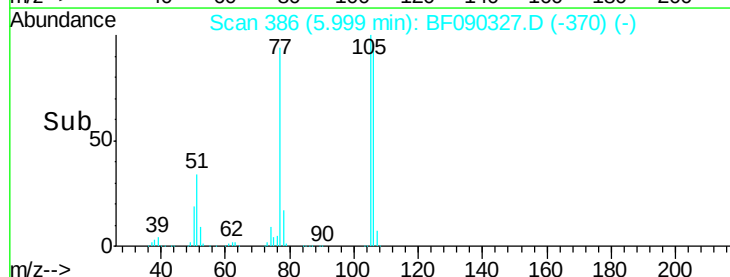
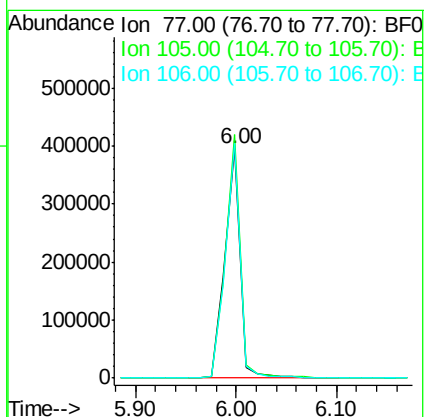
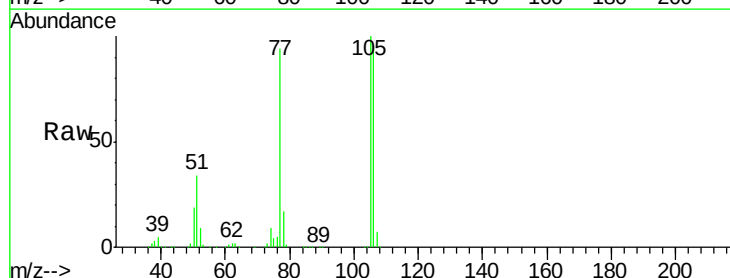
Tgt Ion: 77 Resp: 420264

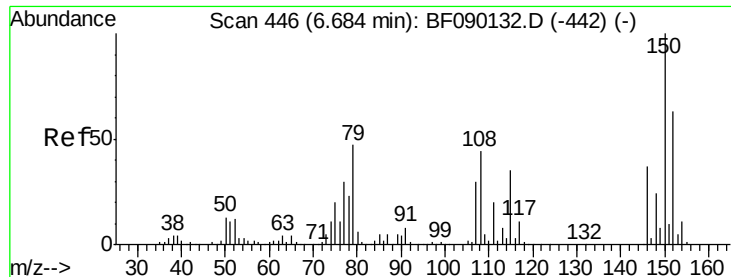
Ion Ratio Lower Upper

77 100

105 106.4 83.0 123.0

106 102.2 78.5 118.5

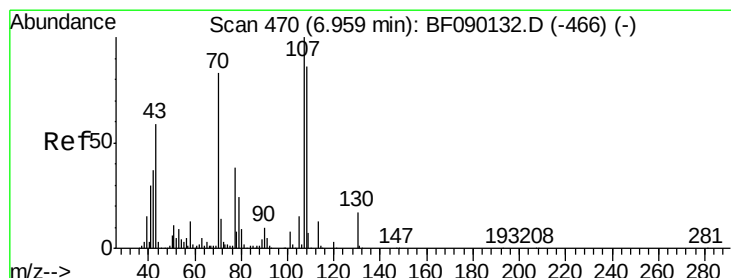
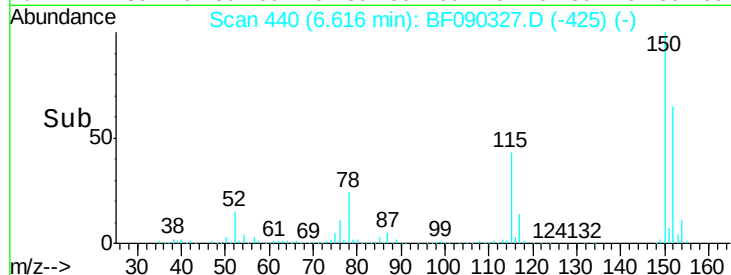
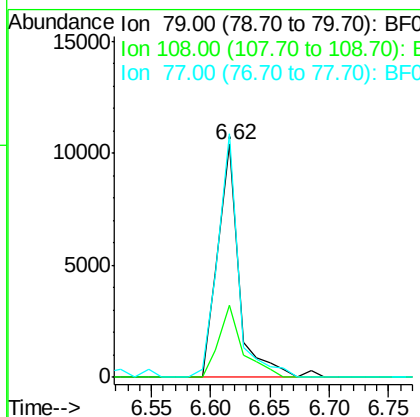
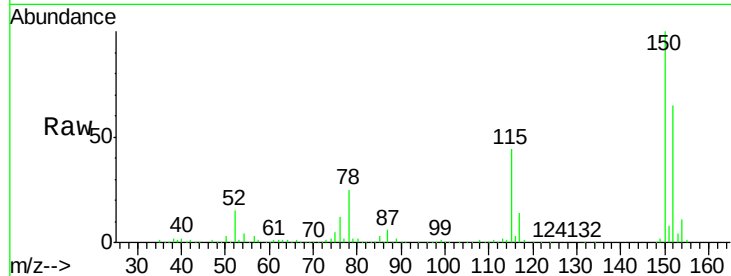




#15
Benzyl Alcohol
Concen: 2.23 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

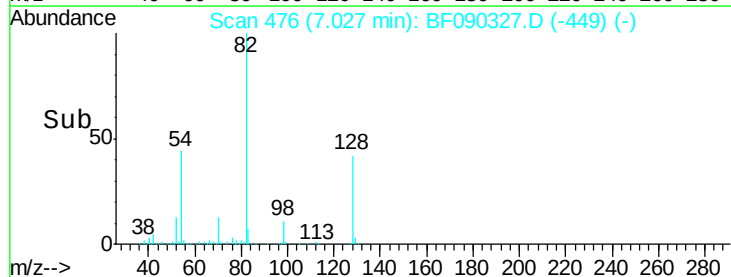
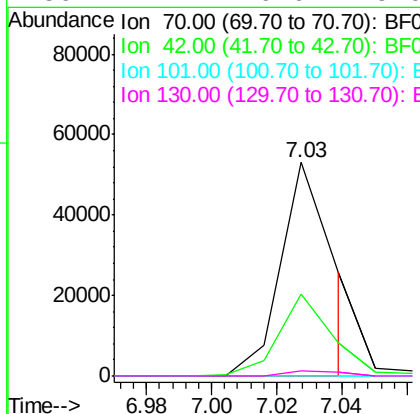
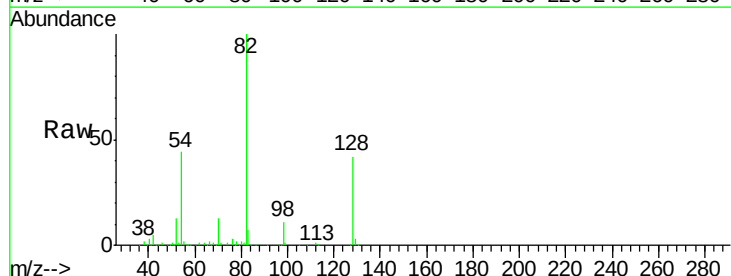
Instrument :
BNA_F
ClientSampleId :
PA-2

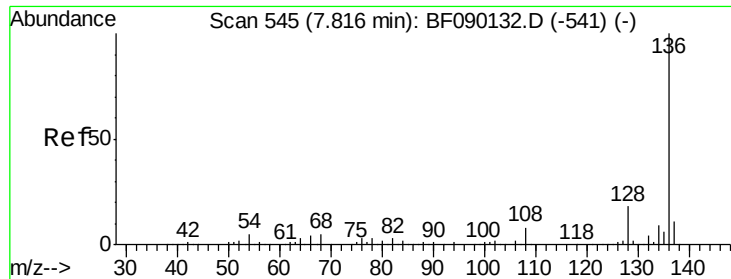
Tgt Ion: 79 Resp: 12901
Ion Ratio Lower Upper
79 100
108 30.9 62.2 93.4#
77 104.6 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 10.39 ng
RT: 7.03 min Scan# 476
Delta R.T. 0.11 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion: 70 Resp: 59293
Ion Ratio Lower Upper
70 100
42 38.5 35.1 52.7
101 0.0 7.5 11.3#
130 2.1 16.6 25.0#

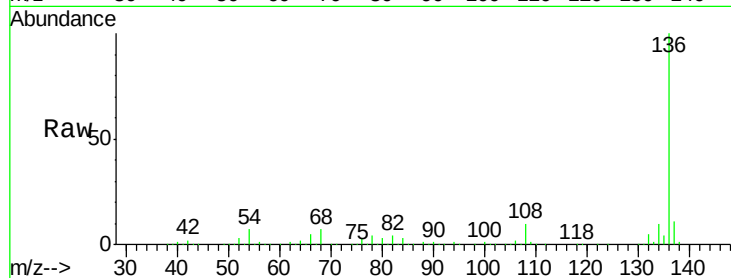




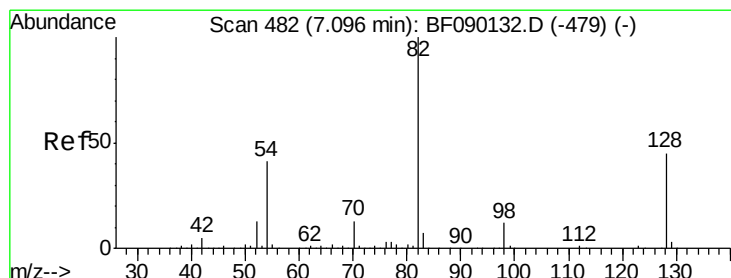
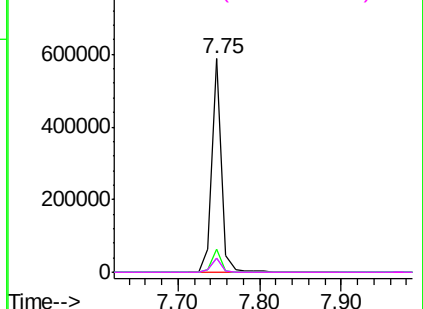
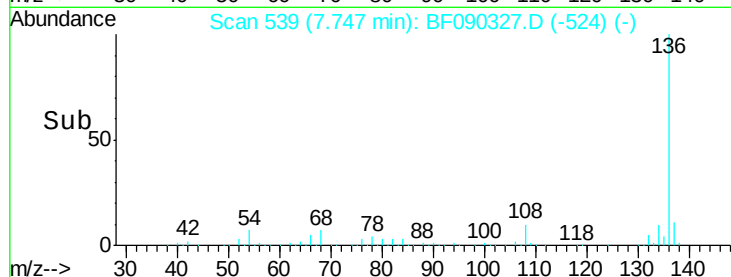
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
PA-2

Tgt Ion:	136	Resp:	493677
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.9	6.4	9.6
68	6.5	6.3	9.5

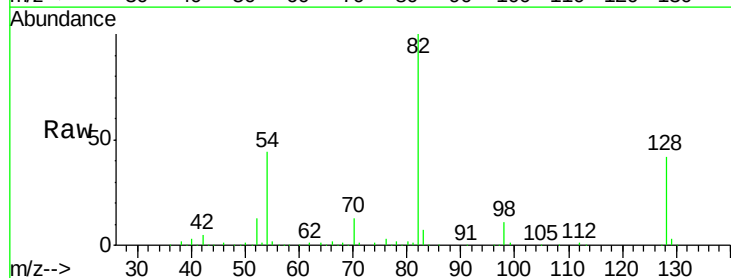


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

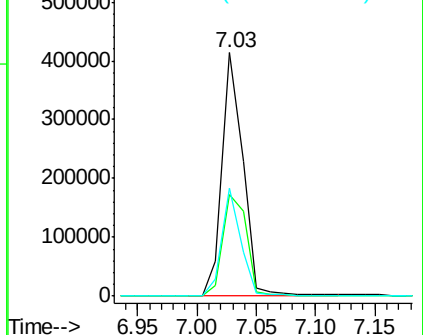
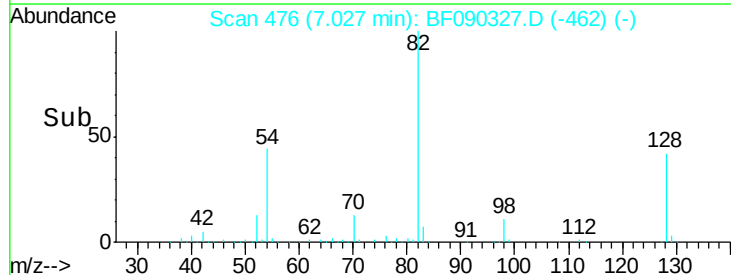


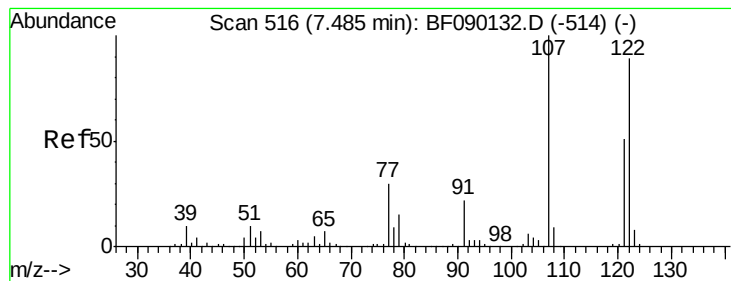
#23
Nitrobenzene-d5
Concen: 59.58 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:	82	Resp:	507415
Ion	Ratio	Lower	Upper
82	100		
128	41.7	37.5	56.3
54	44.3	31.9	47.9



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

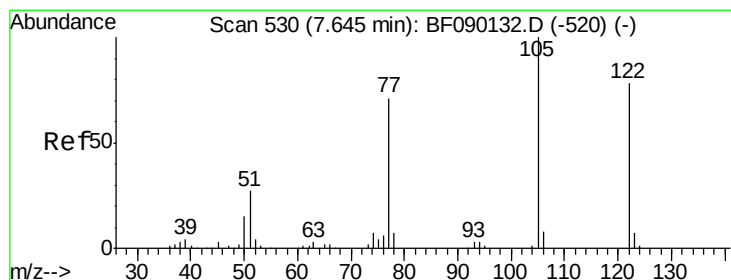
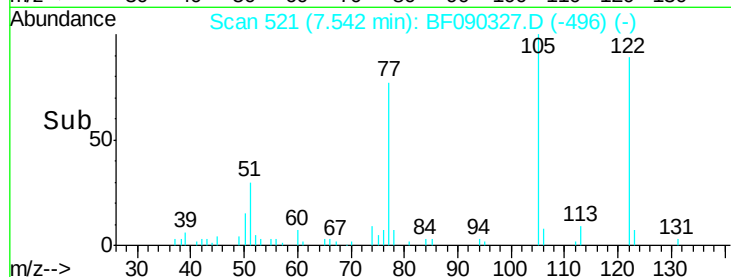
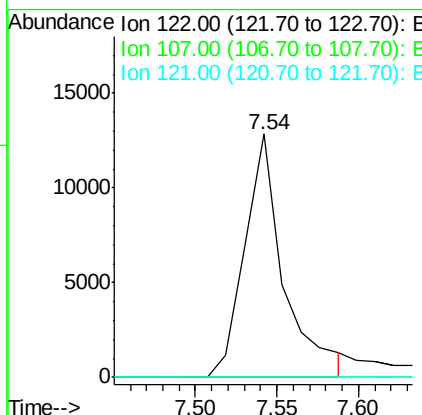
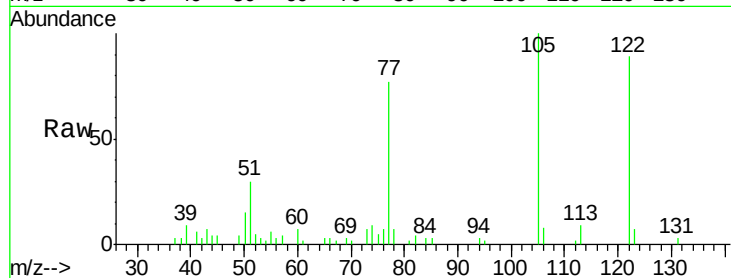




#27
 2,4-Dimethylphenol
 Concen: 2.74 ng
 RT: 7.54 min Scan# 521
 Delta R.T. 0.09 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

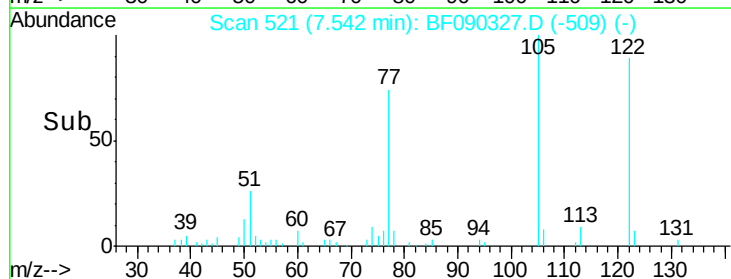
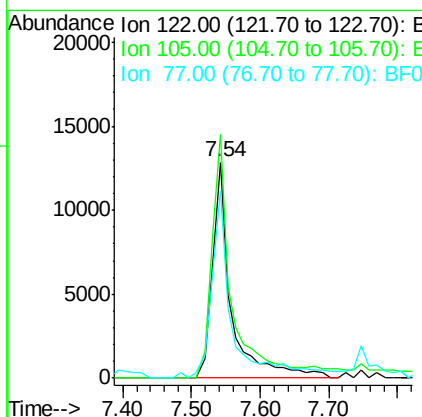
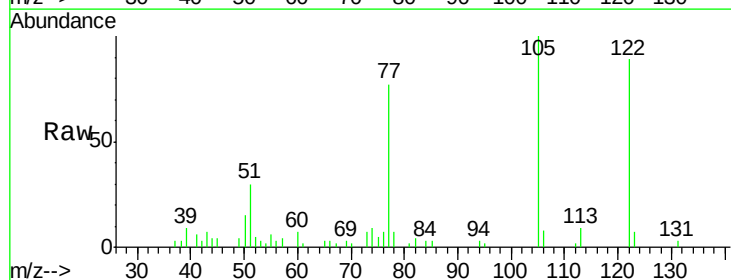
Instrument :
 BNA_F
 ClientSampleId :
 PA-2

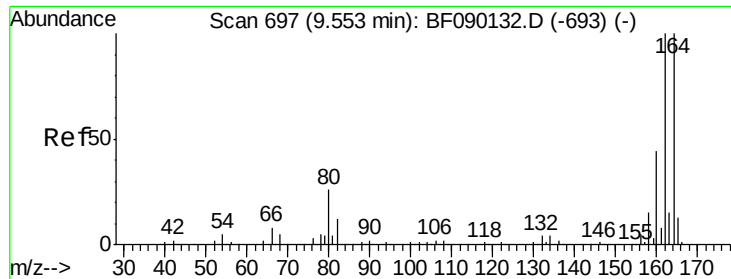
Tgt Ion:122 Resp: 21309
 Ion Ratio Lower Upper
 122 100
 107 0.0 87.8 131.6#
 121 0.0 45.7 68.5#



#32
 Benzoic acid
 Concen: 4.64 ng
 RT: 7.54 min Scan# 521
 Delta R.T. -0.06 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:122 Resp: 24725
 Ion Ratio Lower Upper
 122 100
 105 112.8 105.0 145.0
 77 86.8 70.4 110.4

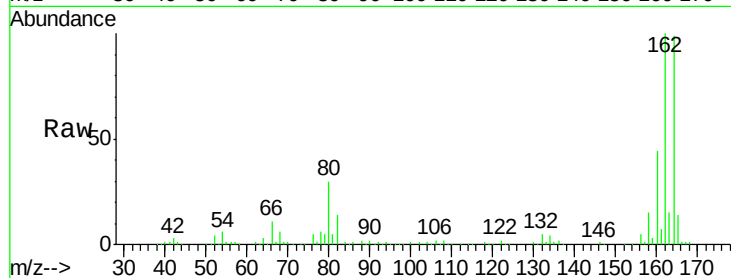




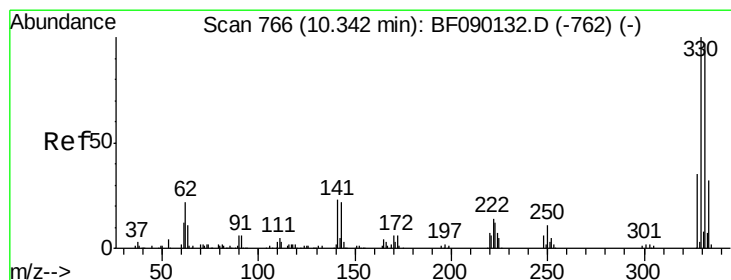
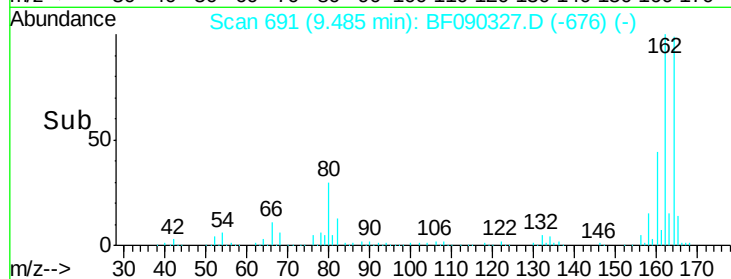
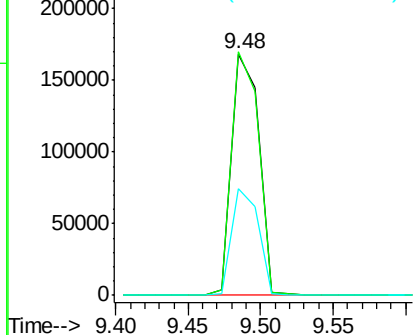
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Tgt Ion:164 Resp: 220142
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.4 122.2
 160 44.1 36.6 54.8

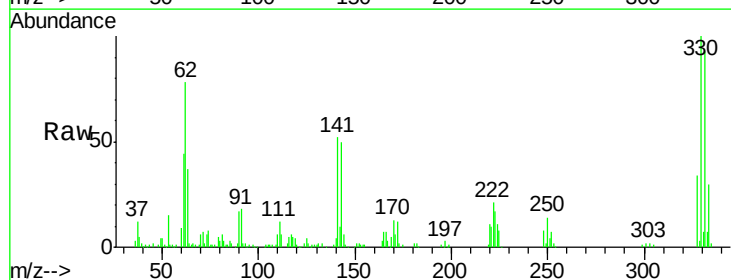


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

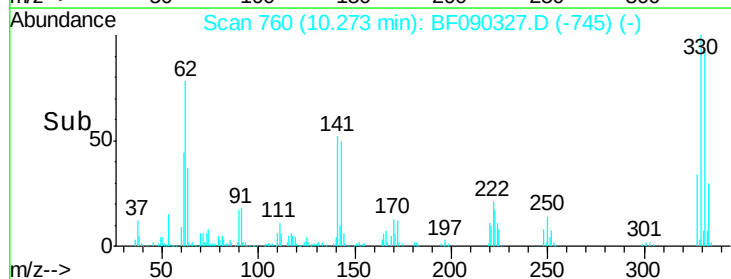
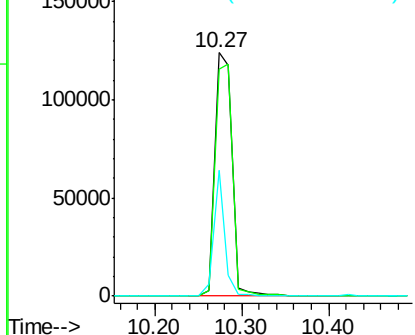


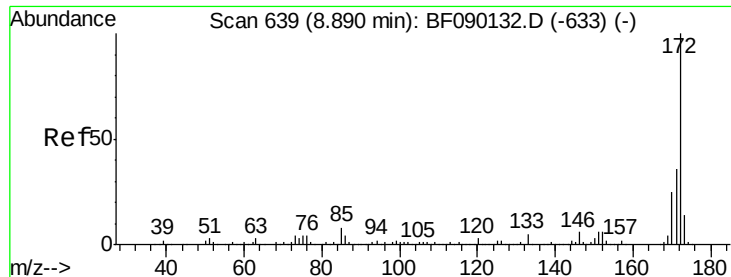
#41
 2,4,6-Tribromophenol
 Concen: 92.50 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:330 Resp: 174706
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.1 117.1
 141 33.5 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

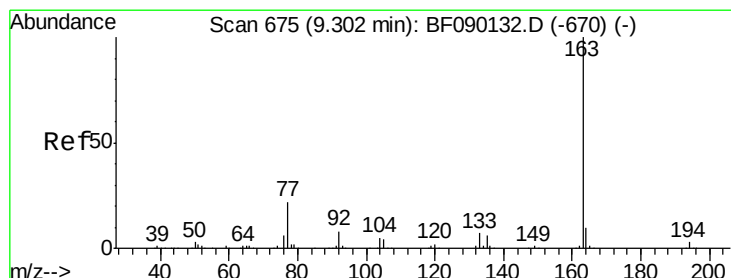
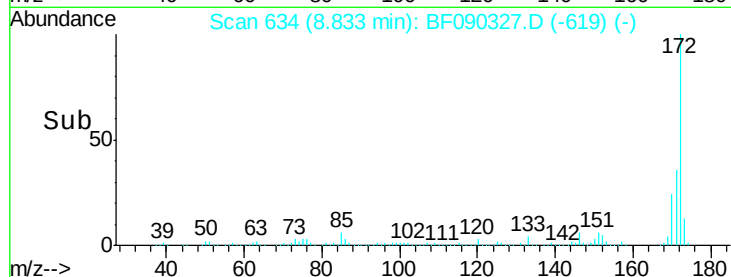
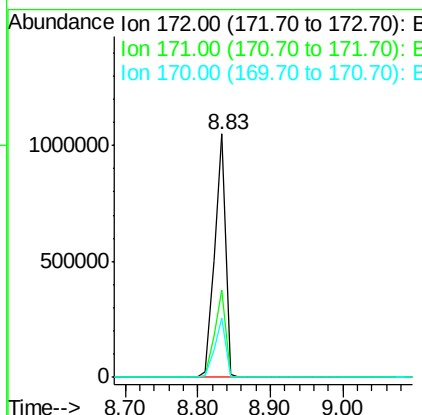
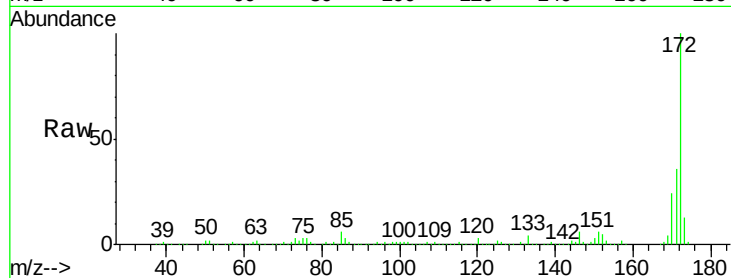




#44
 2-Fluorobiphenyl
 Concen: 98.50 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

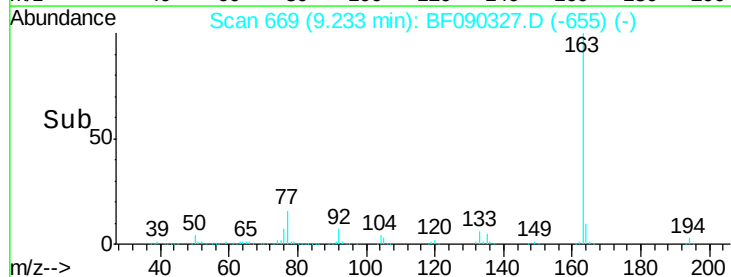
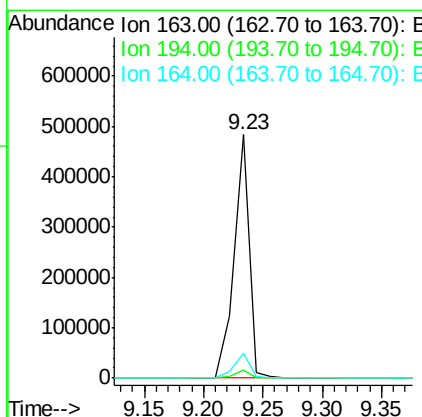
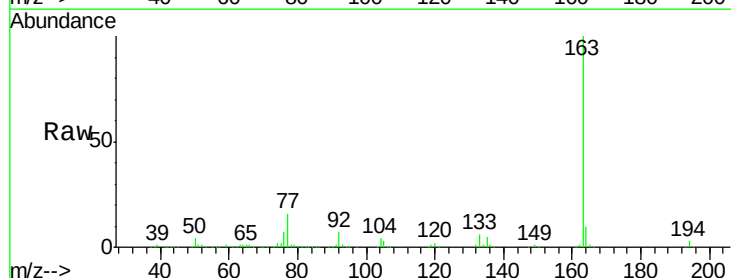
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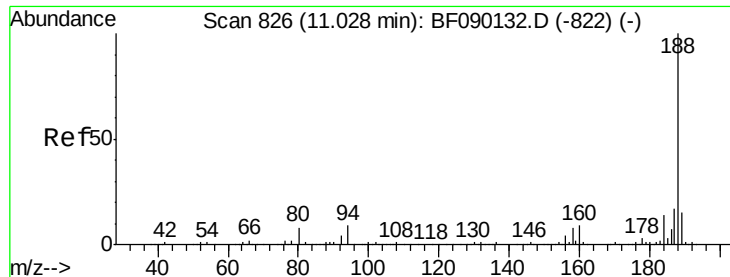
Tgt Ion:172 Resp: 1104536
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 24.1 19.8 29.8



#49
 Dimethylphthalate
 Concen: 30.56 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:163 Resp: 428496
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.8 4.2
 164 10.0 8.1 12.1

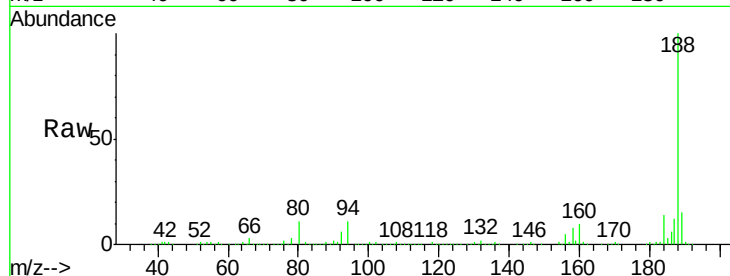




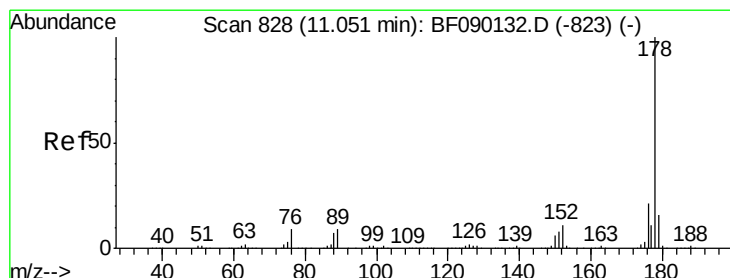
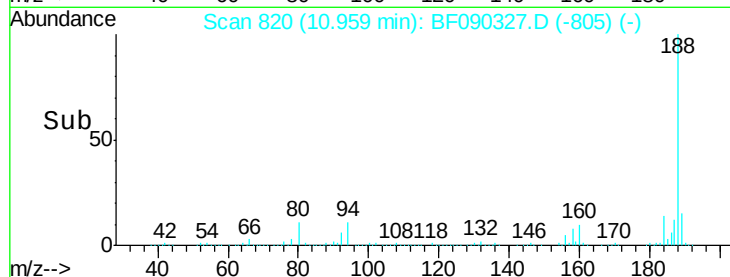
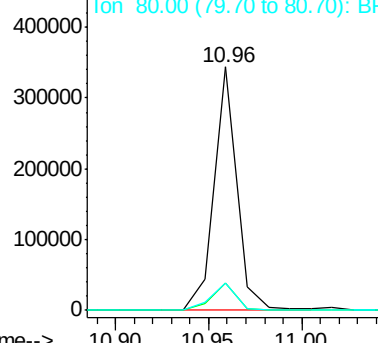
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.96 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Tgt Ion:188 Resp: 293890
 Ion Ratio Lower Upper
 188 100
 94 11.0 10.5 15.7
 80 11.3 11.2 16.8

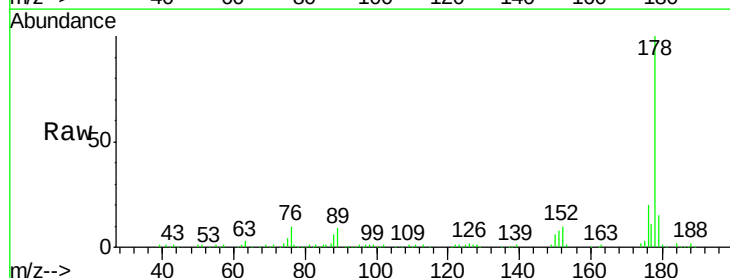


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

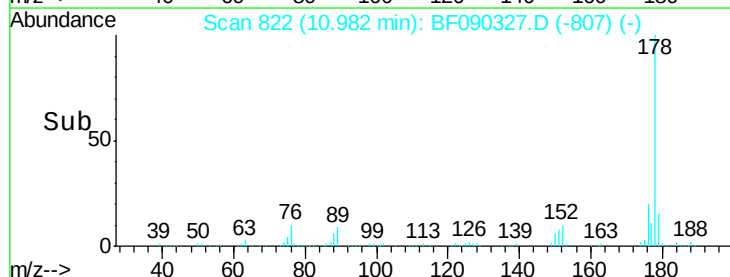
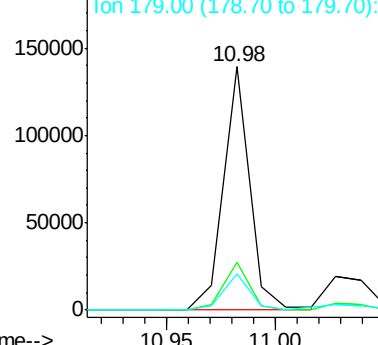


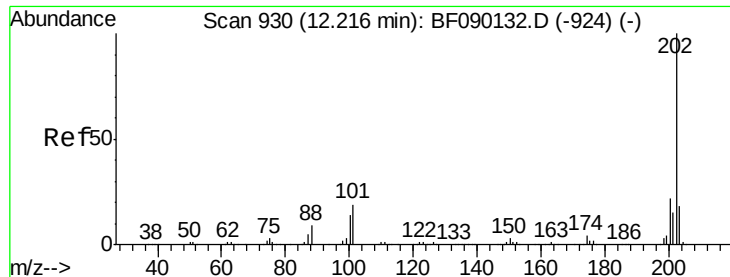
#70
 Phenanthrene
 Concen: 8.50 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:178 Resp: 116796
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 15.0 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

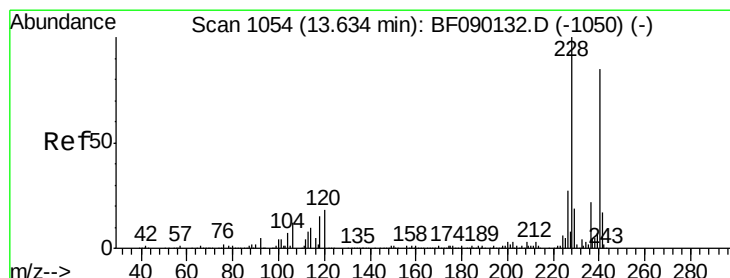
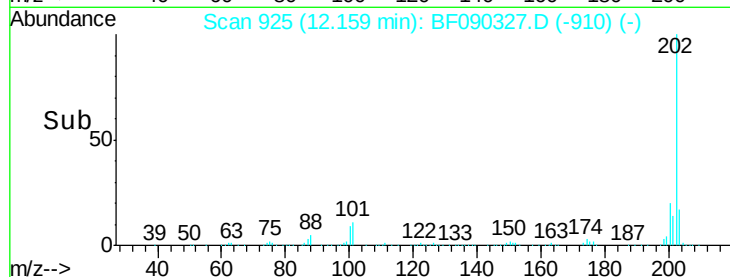
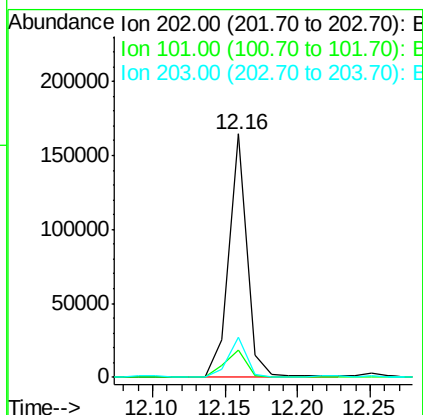
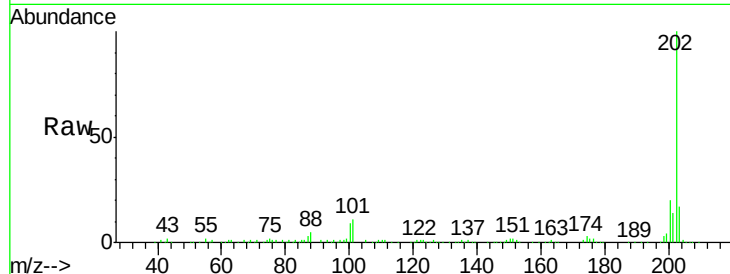




#74
Fluoranthene
Concen: 9.86 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

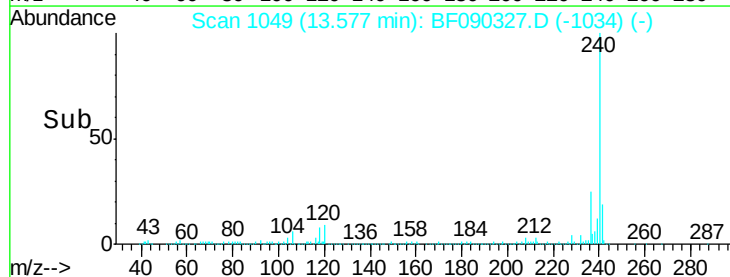
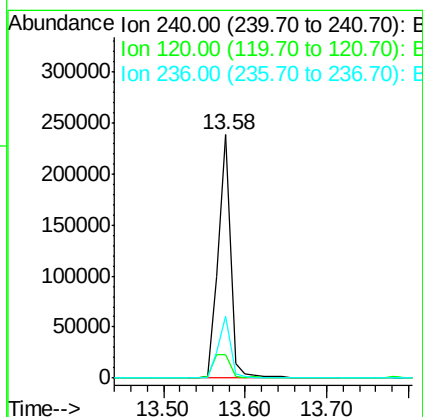
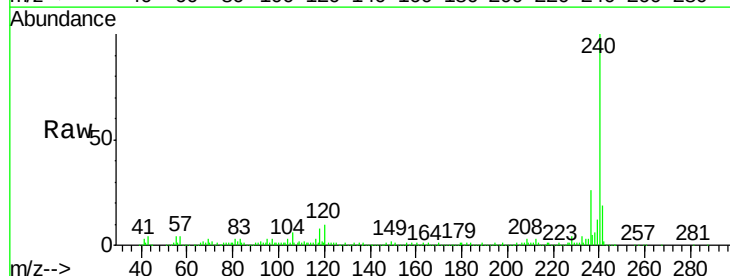
Instrument :
BNA_F
ClientSampleId :
PA-2

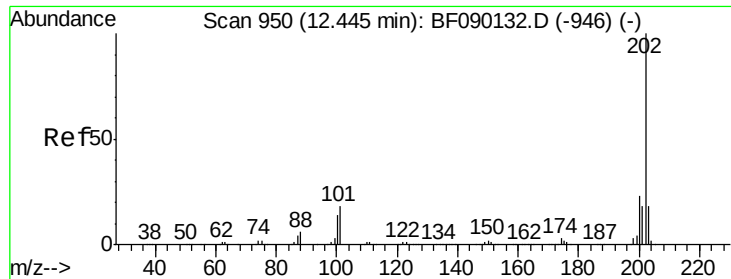
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	36.1
203	16.7	0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.58 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.6	16.0#
236	25.6	21.6	32.4

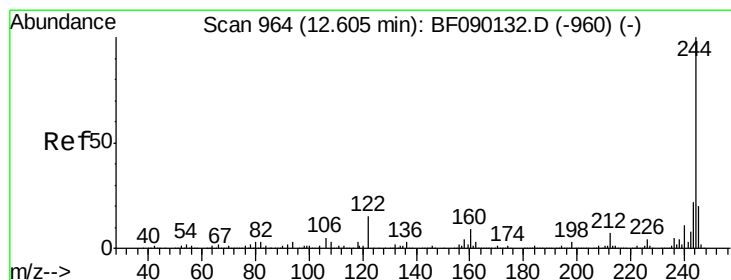
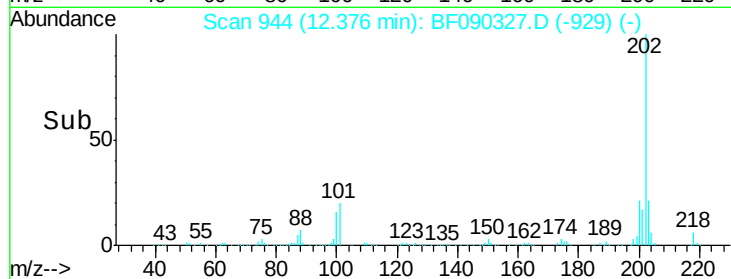
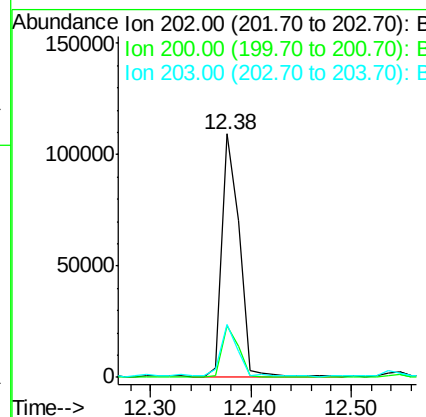
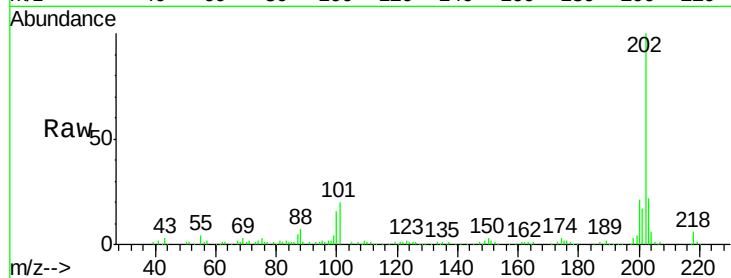




#77
 Pyrene
 Concen: 7.52 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

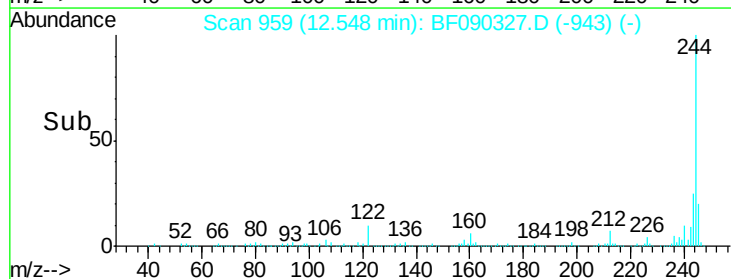
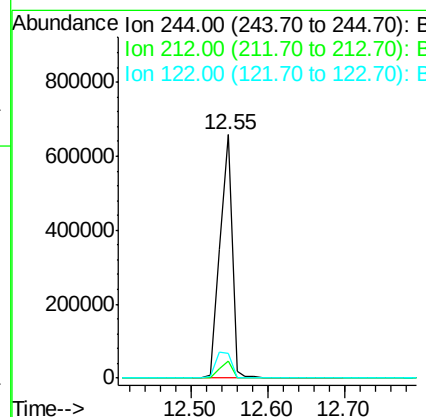
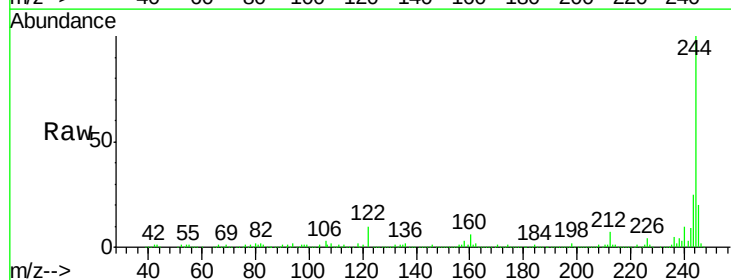
Instrument :
 BNA_F
 ClientSampleId :
 PA-2

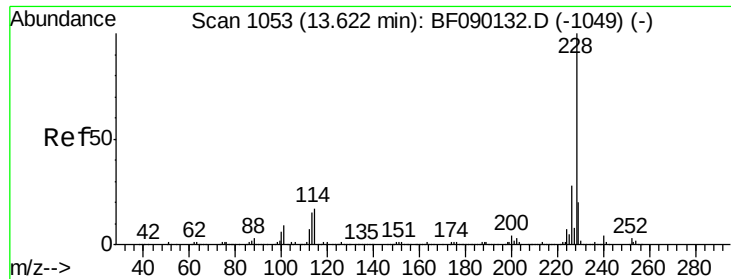
Tgt Ion: 202 Resp: 130266
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.9 26.9
 203 21.8 14.2 21.4#



#78
 Terphenyl-d14
 Concen: 72.45 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion: 244 Resp: 722118
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.0 9.4 14.0





#80

Benzo(a)anthracene

Concen: 3.84 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

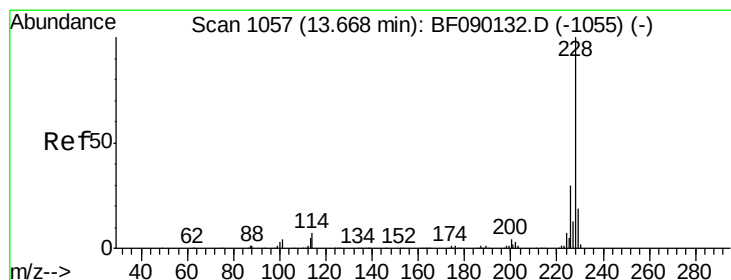
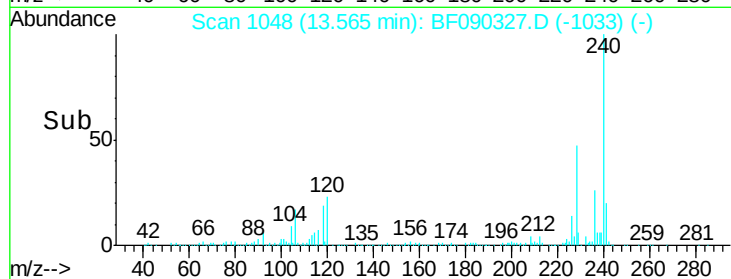
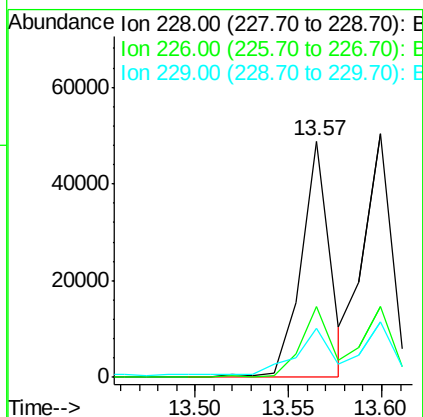
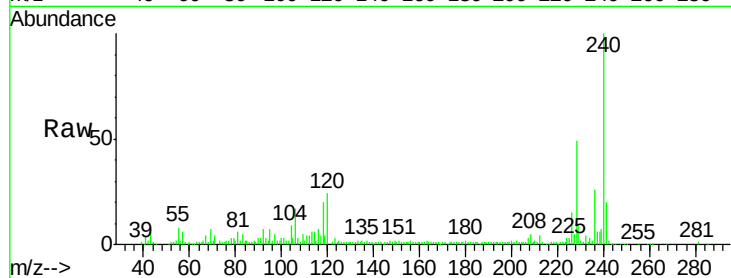
Instrument :

BNA_F

ClientSampleId :

PA-2

Tgt Ion:	228	Resp:	52329
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	20.8	16.2	24.2



#82

Chrysene

Concen: 3.95 ng

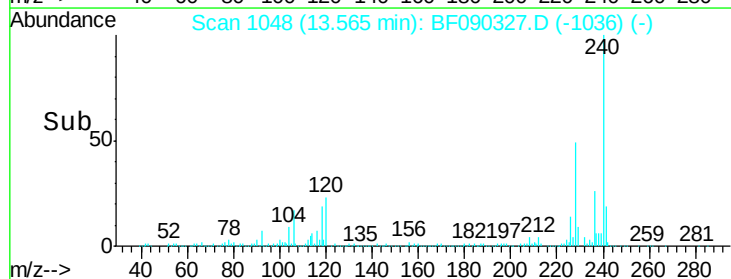
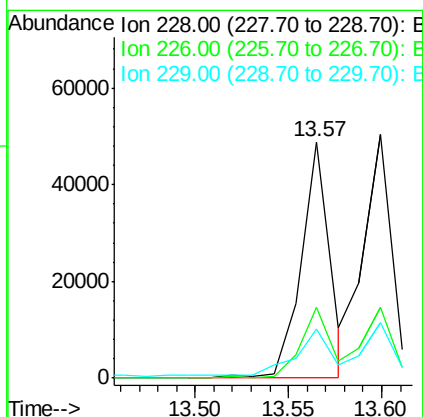
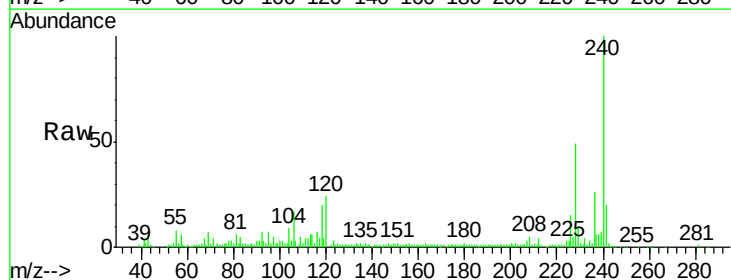
RT: 13.57 min Scan# 1048

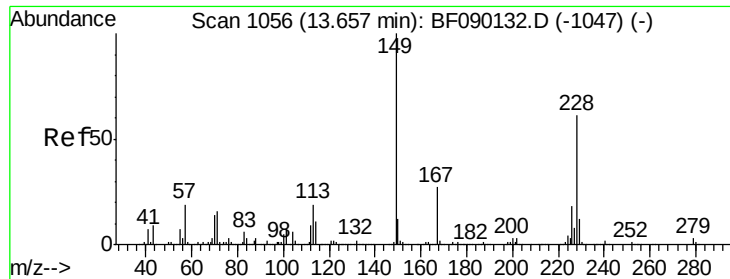
Delta R.T. -0.06 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Tgt Ion:	228	Resp:	52329
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	20.8	16.2	24.4

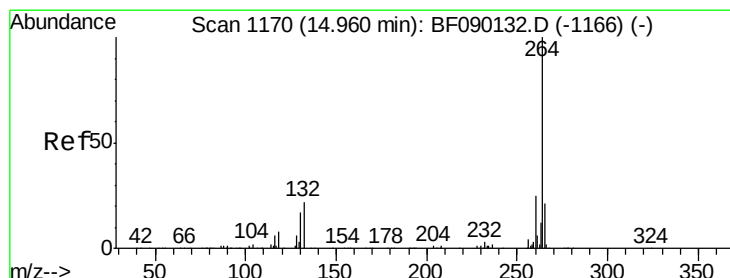
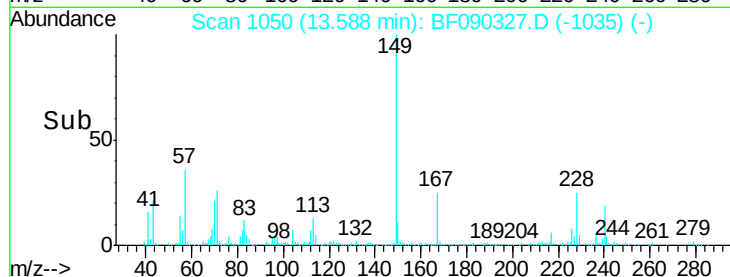
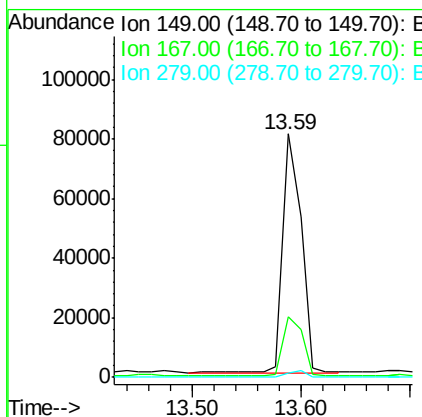
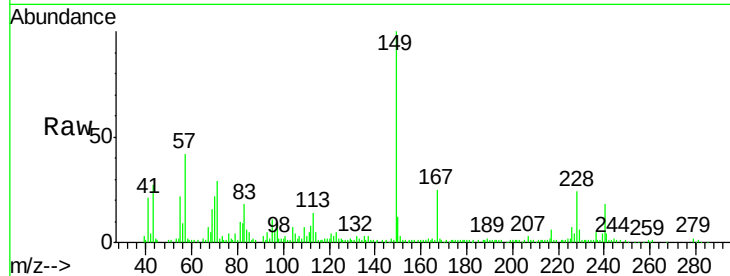




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.70 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. -0.02 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

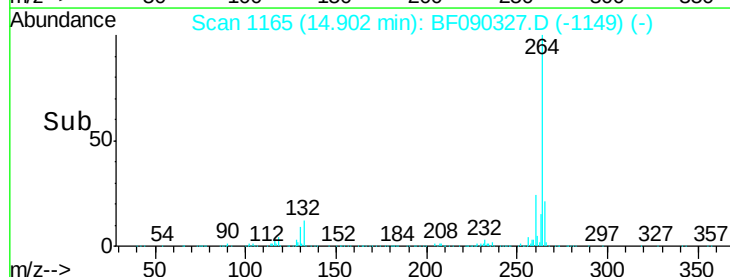
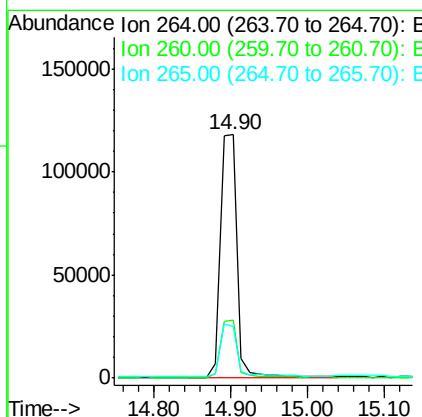
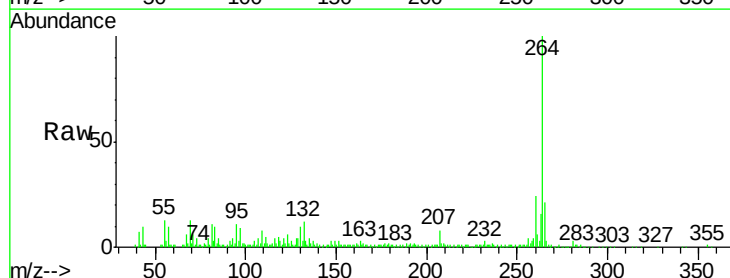
Instrument :
 BNA_F
 ClientSampleId :
 PA-2

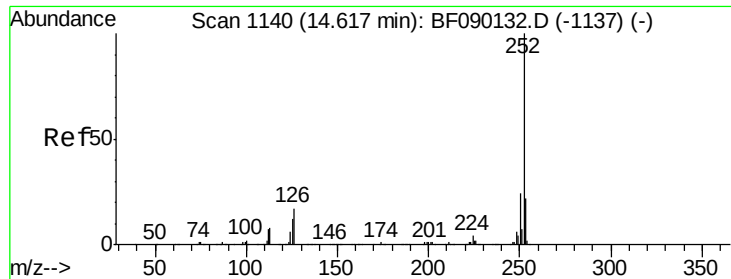
Tgt Ion:149 Resp: 94282
 Ion Ratio Lower Upper
 149 100
 167 24.7 21.2 31.8
 279 2.0 2.2 3.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:264 Resp: 182419
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 21.3 17.0 25.4

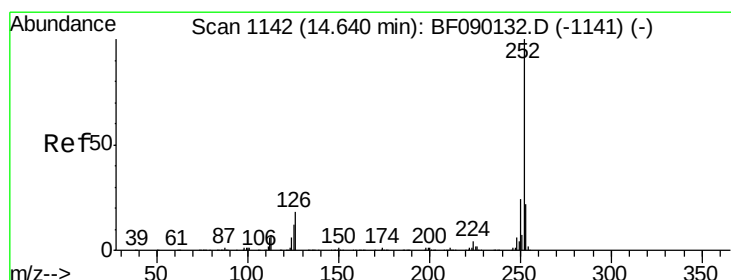
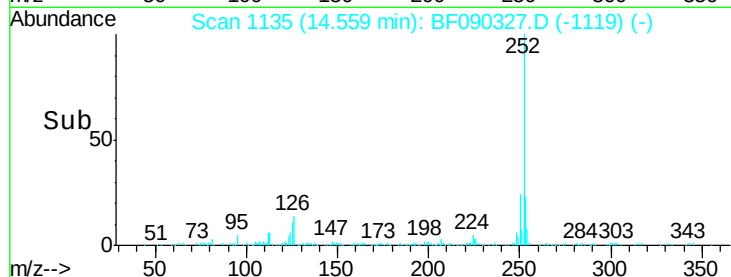
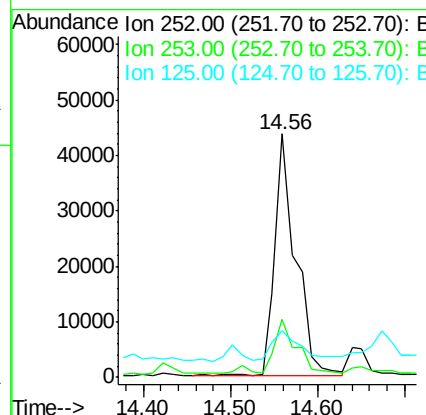
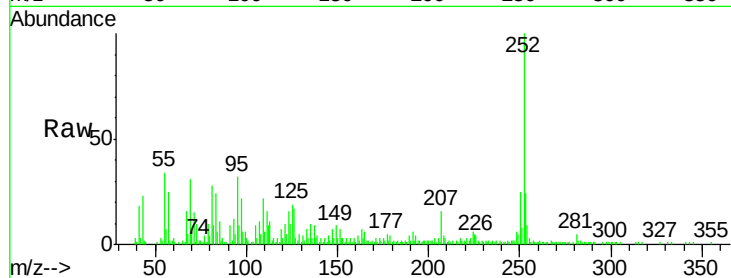




#87
Benzo(b)fluoranthene
Concen: 7.10 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

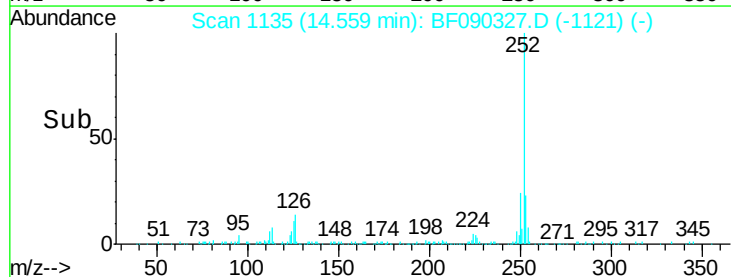
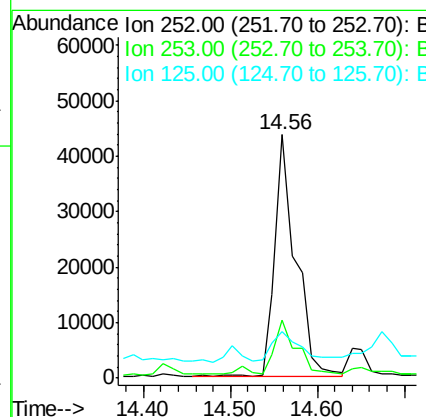
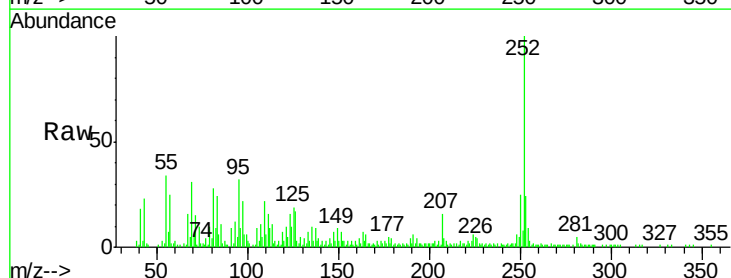
Instrument :
BNA_F
ClientSampleId :
PA-2

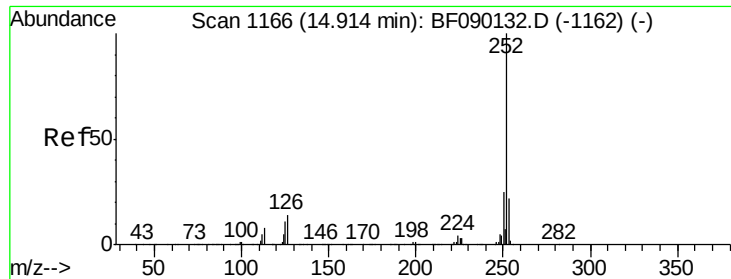
Tgt Ion:252 Resp: 71750
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 19.1 12.7 19.1



#88
Benzo(k)fluoranthene
Concen: 7.57 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:252 Resp: 71750
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 19.1 7.8 11.6#

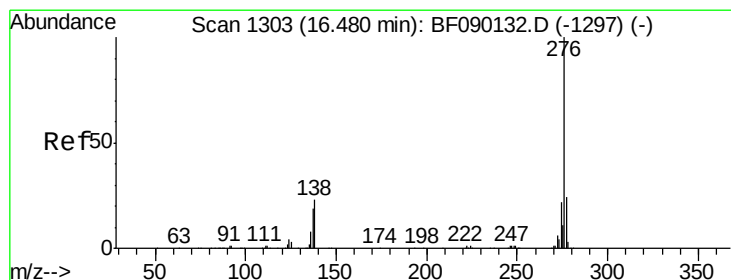
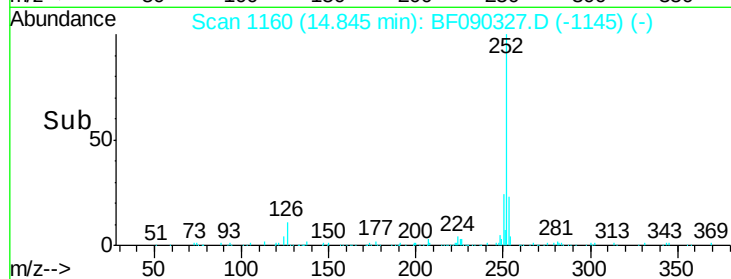
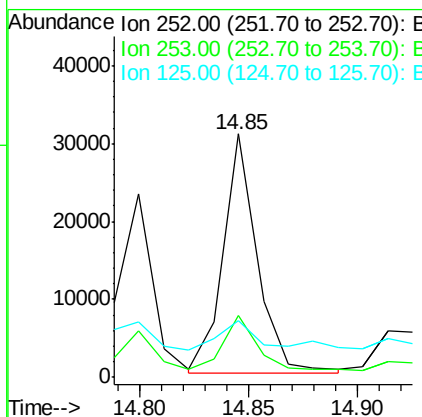
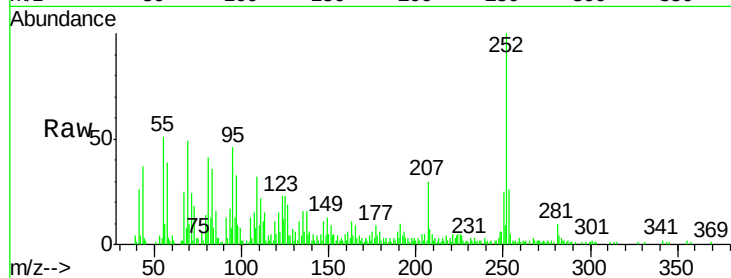




#89
Benzo(a)pyrene
Concen: 3.56 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
PA-2

Tgt Ion: 252 Resp: 33829
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 23.3 7.7 11.5#



#91
Benzo(g,h,i)perylene
Concen: 2.78 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion: 276 Resp: 20190
Ion Ratio Lower Upper
276 100
277 27.4 18.9 28.3
138 32.5 23.3 34.9

