

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090827.D
 Acq On : 26 Oct 2016 00:16
 Operator : UM/SJ
 Sample : H5396-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

Quant Time: Oct 26 00:59:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

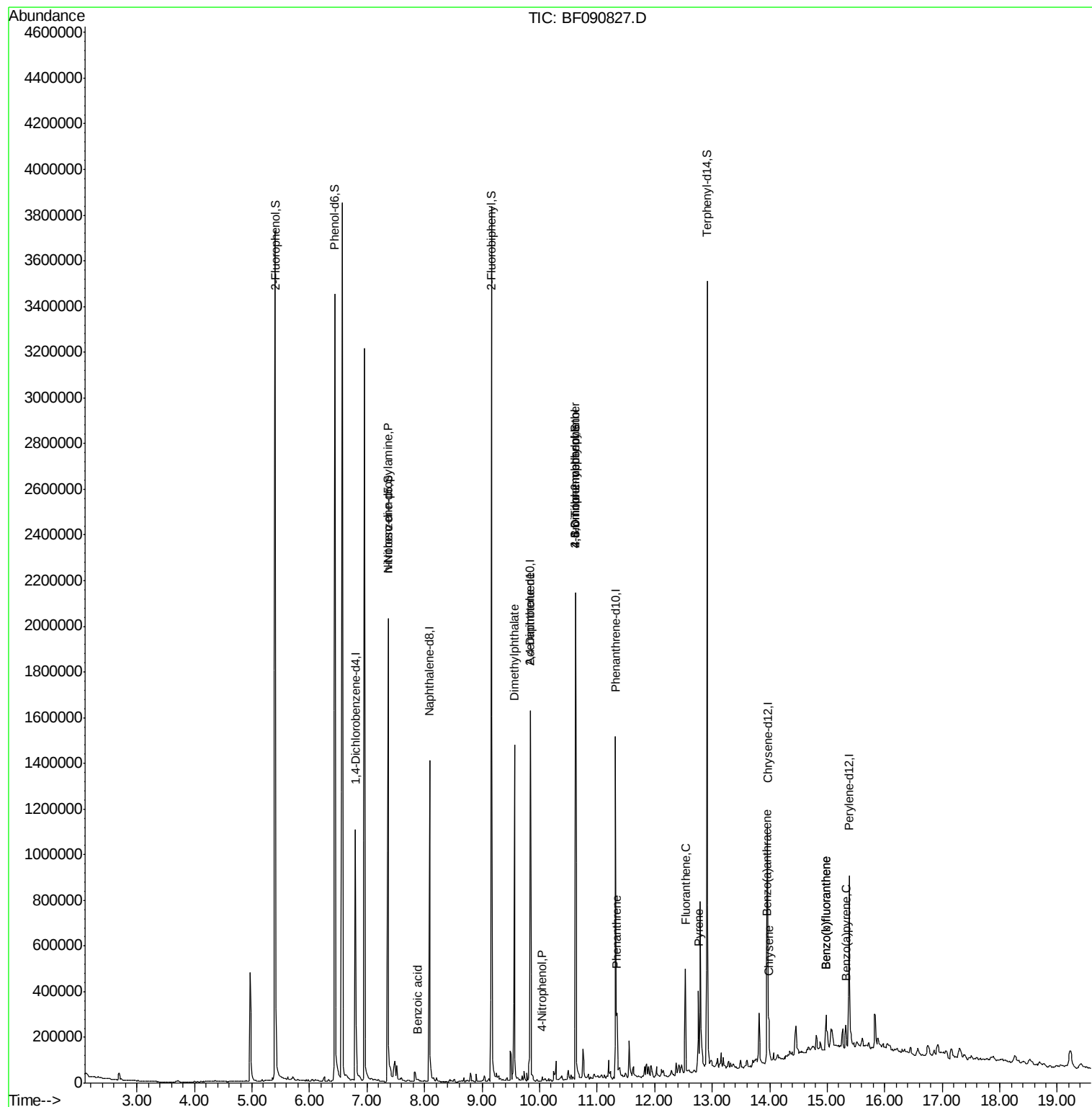
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	188120	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	761637	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	358554	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	568581	20.00	ng	0.00
75) Chrysene-d12	13.96	240	377425	20.00	ng	0.00
86) Perylene-d12	15.38	264	351528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1270693	108.94	ng	0.01
7) Phenol-d6	6.44	99	1547553	97.95	ng	0.00
23) Nitrobenzene-d5	7.37	82	908718	65.44	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	351696	123.93	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1472942	63.77	ng	-0.01
78) Terphenyl-d14	12.91	244	1145842	69.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	115699	9.83	ng	# 48
32) Benzoic acid	7.87	122	2078	7.78	ng	# 34
49) Dimethylphthalate	9.56	163	604297	26.82	ng	# 97
55) 4-Nitrophenol	10.04	139	2310	6.56	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	46664	7.88	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.62	198	498	4.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	21835	3.96	ng	# 1
70) Phenanthrene	11.34	178	101363	3.50	ng	97
74) Fluoranthene	12.53	202	176299	6.29	ng	93
77) Pyrene	12.76	202	151816	5.76	ng	97
80) Benzo(a)anthracene	13.95	228	75935	3.68	ng	93
82) Chrysene	13.99	228	58391	2.90	ng	93
87) Benzo(b)fluoranthene	14.98	252	118473	5.48	ng	# 89
88) Benzo(k)fluoranthene	14.98	252	118473	5.45	ng	# 90
89) Benzo(a)pyrene	15.32	252	56889	2.81	ng	# 86

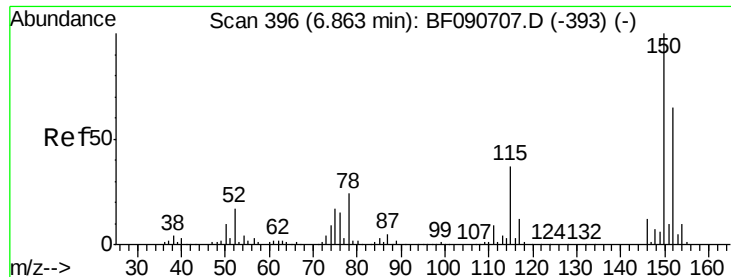
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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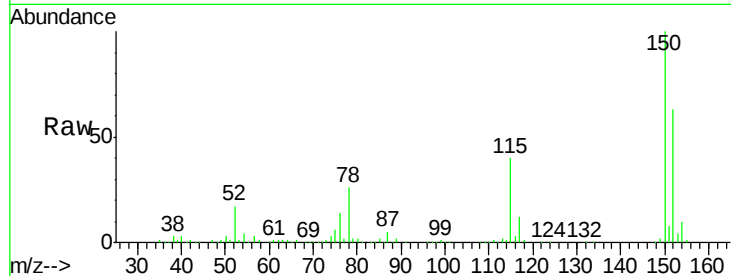


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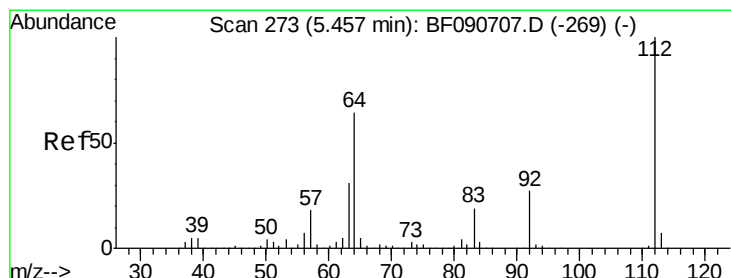
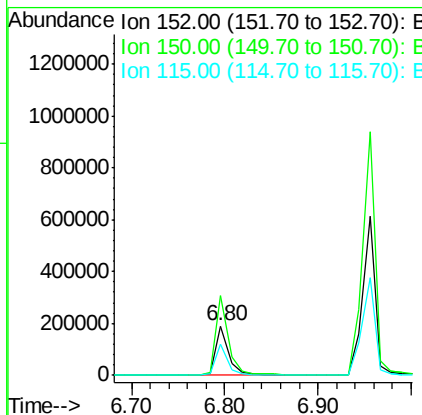
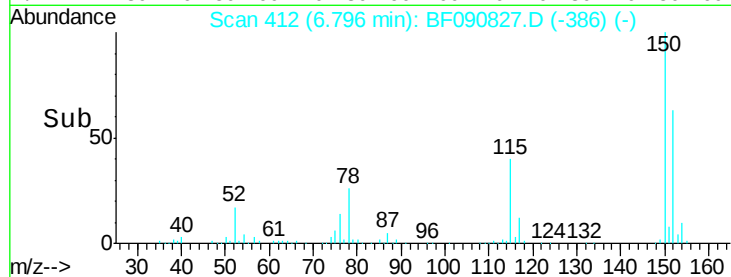
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Instrument :
BNA_F
ClientSampleId :
P2-S1

Tgt Ion:152 Resp: 188120
Ion Ratio Lower Upper
152 100
150 159.7 124.7 187.1
115 63.4 39.0 58.4#



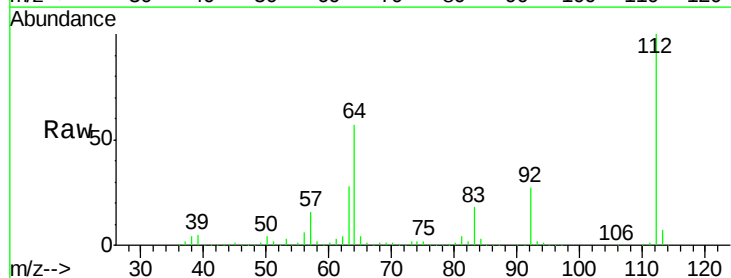
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



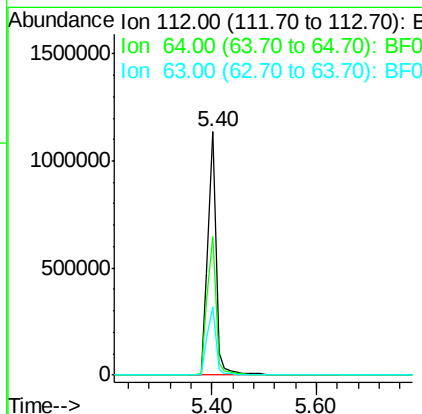
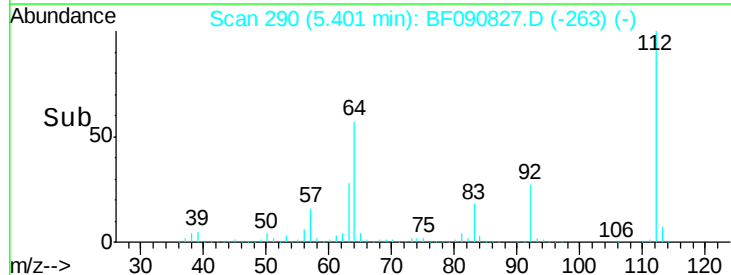
#5

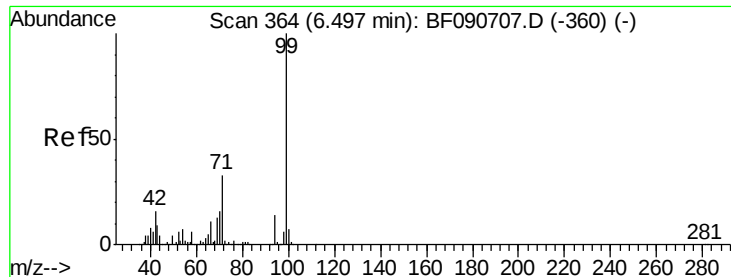
2-Fluorophenol
Concen: 108.94 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion:112 Resp: 1270693
Ion Ratio Lower Upper
112 100
64 57.1 39.7 59.5
63 28.2 17.4 26.0#



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: 97.95 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

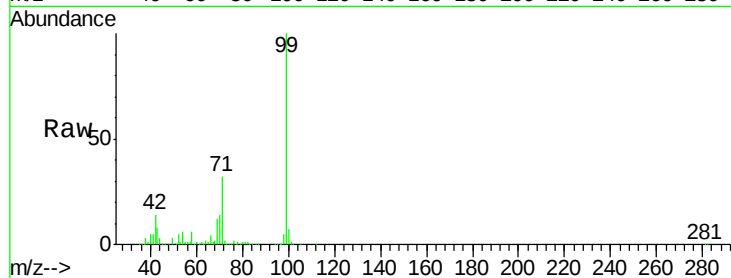
Tgt Ion: 99 Resp: 1547553

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

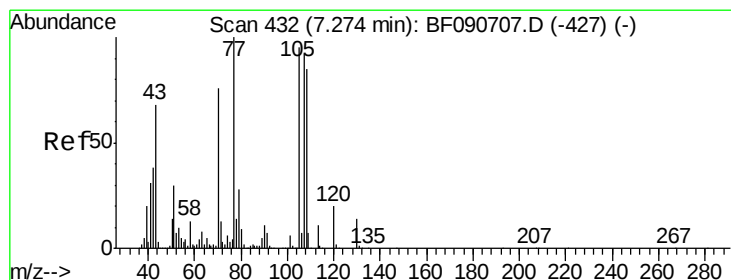
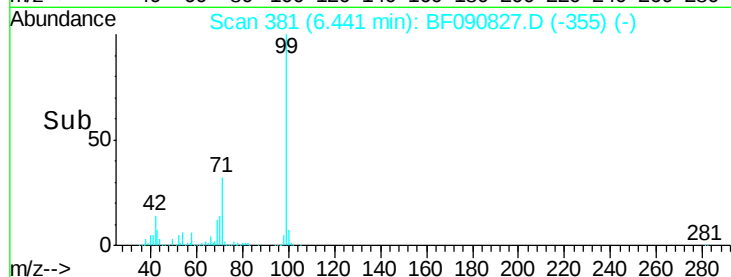
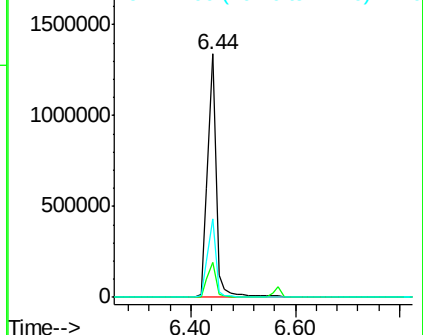
71 32.1 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.83 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Tgt Ion: 70 Resp: 115699

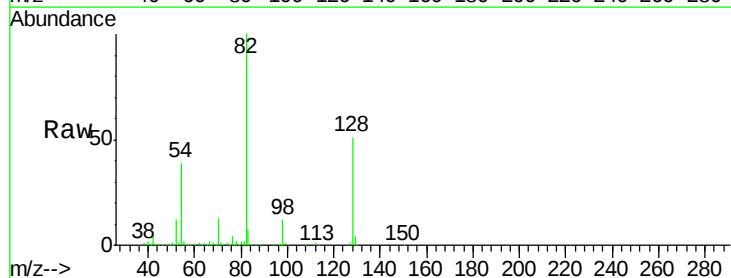
Ion Ratio Lower Upper

70 100

42 33.0 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#

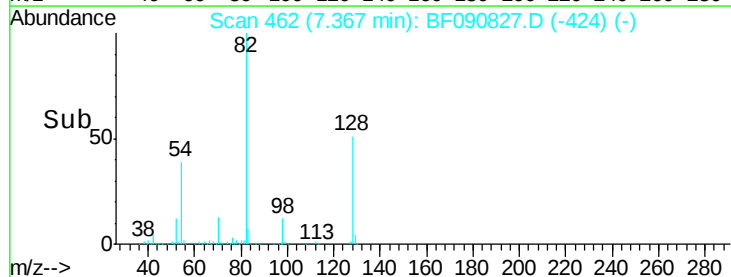
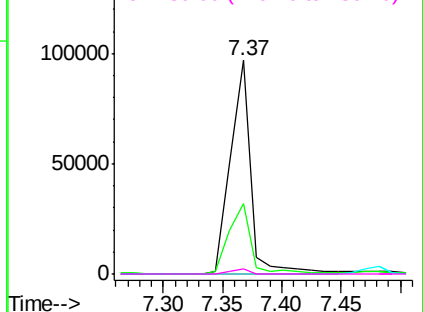


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

Tgt Ion:136 Resp: 761637

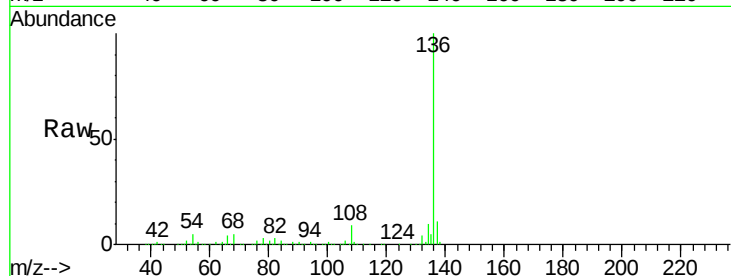
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 5.2 8.2 12.2#

68 5.0 5.8 8.6#

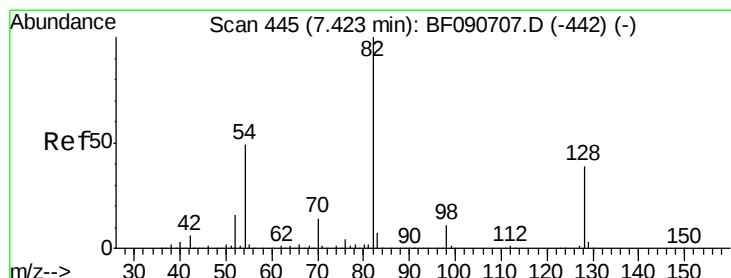
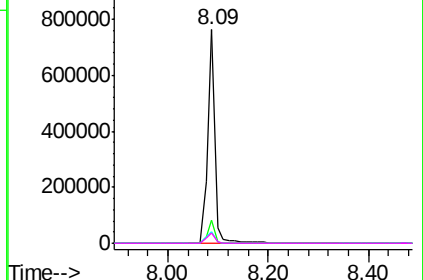
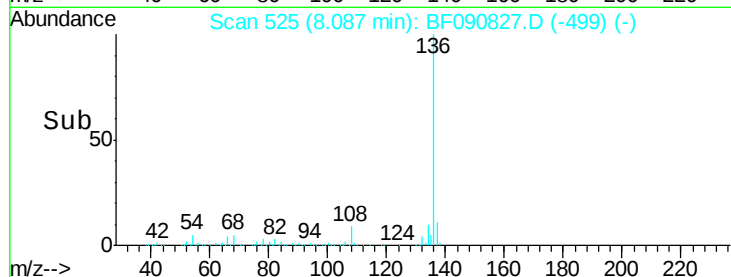


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.44 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

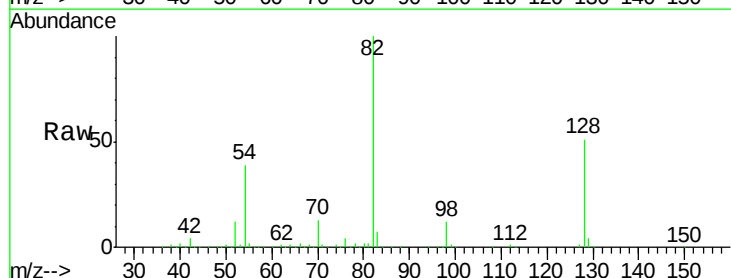
Tgt Ion: 82 Resp: 908718

Ion Ratio Lower Upper

82 100

128 51.0 51.0 76.6#

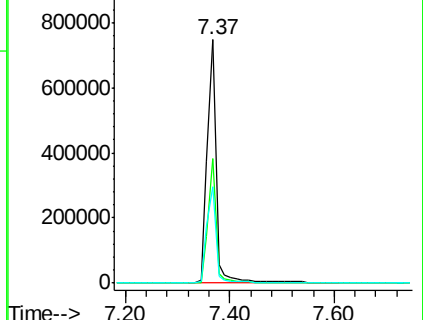
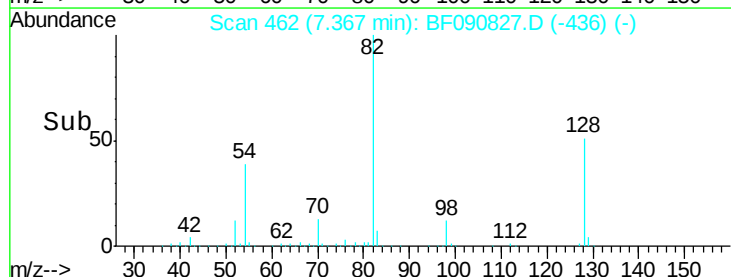
54 39.4 47.5 71.3#

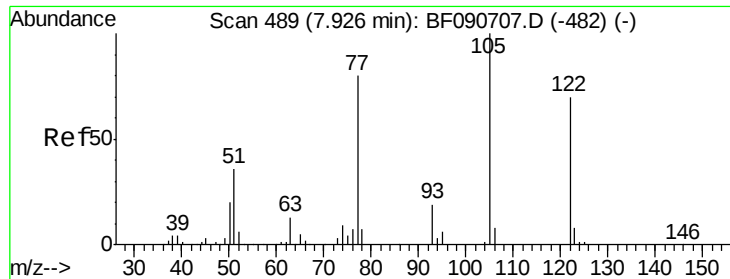


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

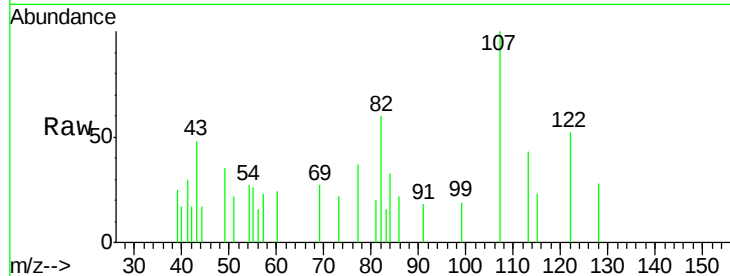




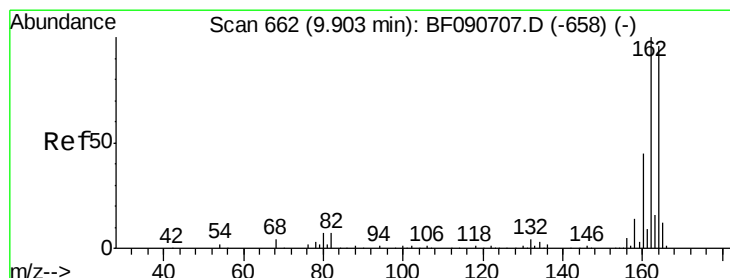
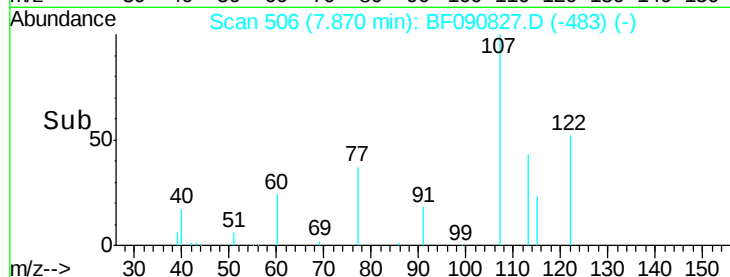
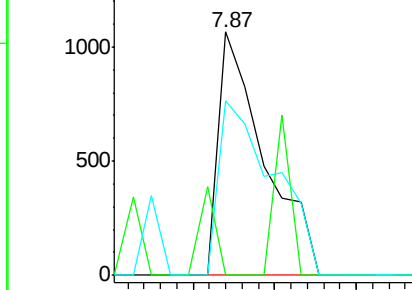
#32
Benzoic acid
Concen: 7.78 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.03 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Instrument :
BNA_F
ClientSampleId :
P2-S1

Tgt Ion:122 Resp: 2078
Ion Ratio Lower Upper
122 100
105 0.0 76.1 116.1#
77 71.7 40.5 80.5

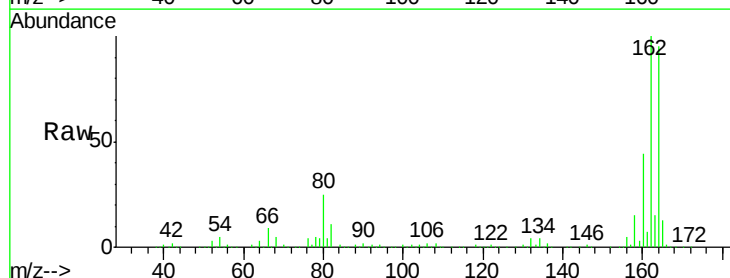


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

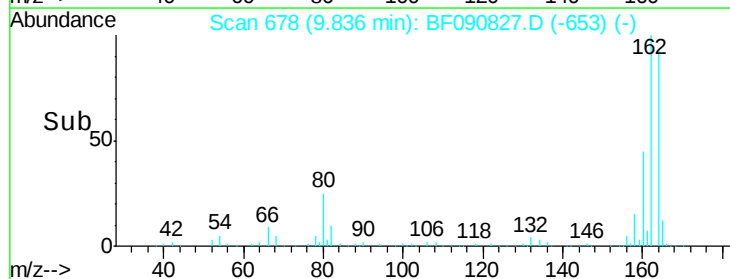
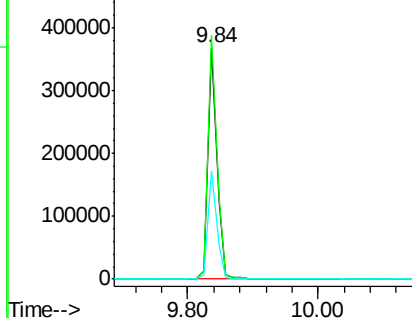


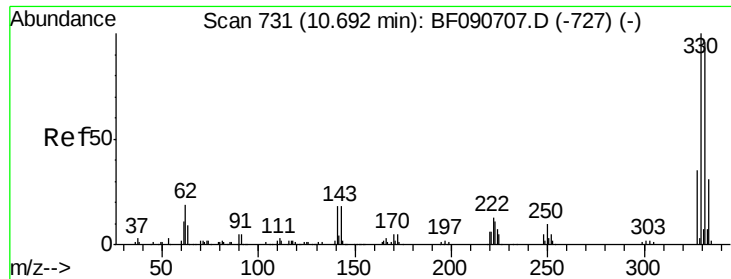
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion:164 Resp: 358554
Ion Ratio Lower Upper
164 100
162 105.2 75.2 112.8
160 46.7 31.5 47.3



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

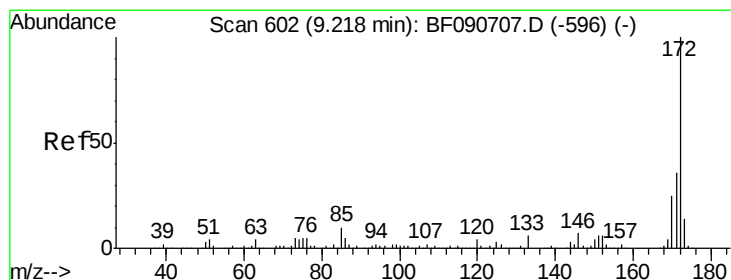
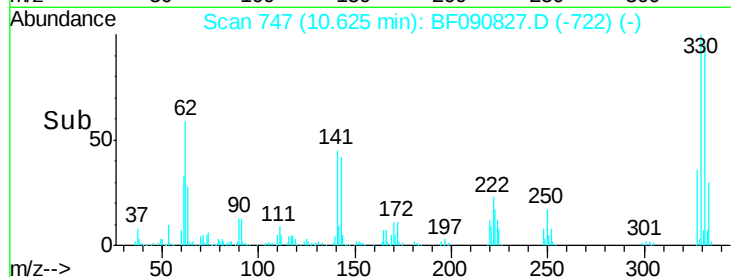
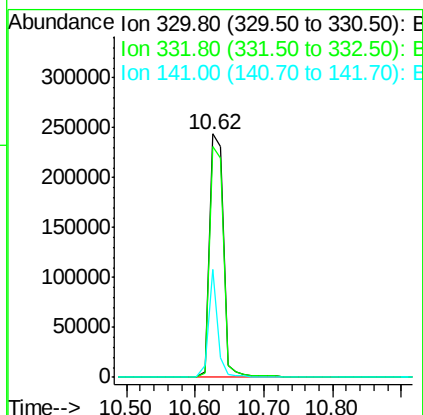
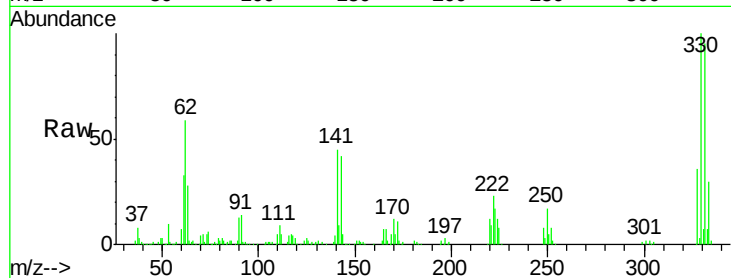




#41
 2,4,6-Tribromophenol
 Concen: 123.93 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

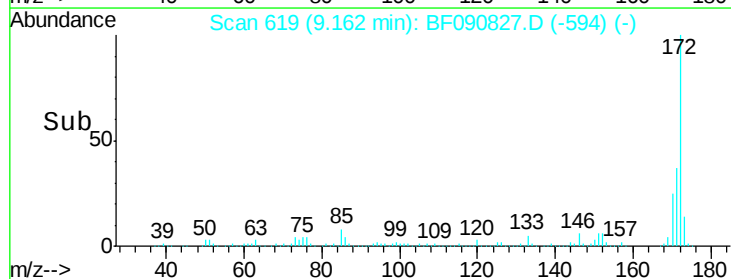
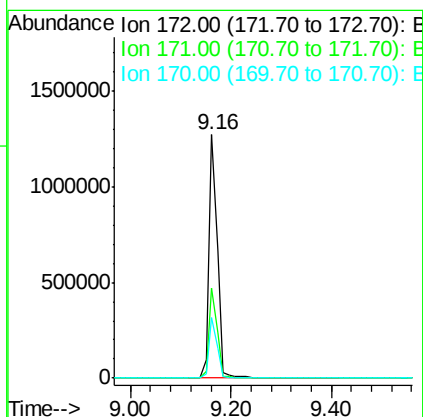
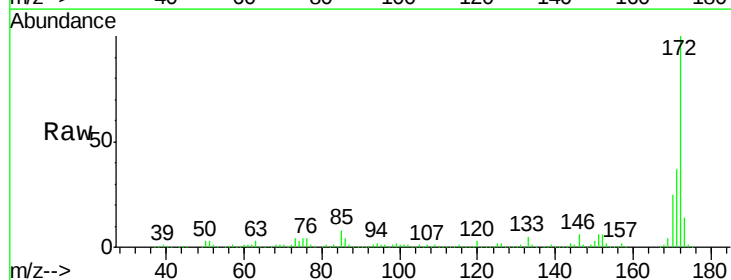
Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

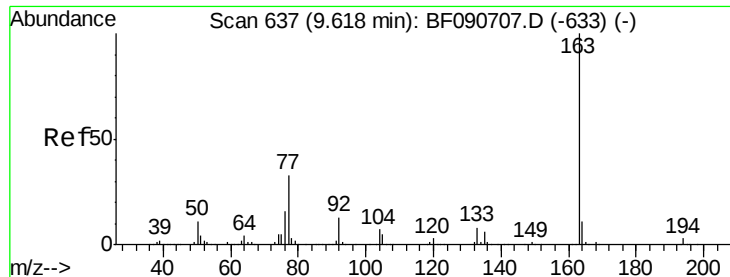
Tgt Ion:330 Resp: 351696
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 29.4 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 63.77 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion:172 Resp: 1472942
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.1 39.1
 170 24.8 17.4 26.2





#49

Dimethylphthalate

Concen: 26.82 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampled :

P2-S1

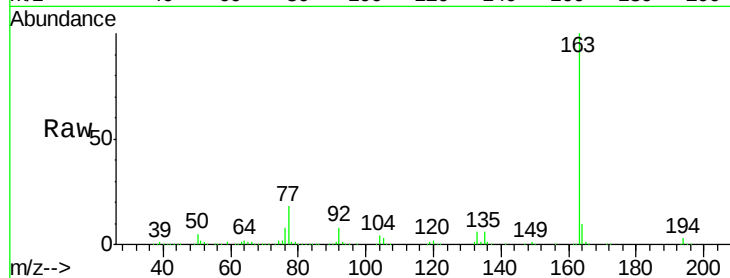
Tgt Ion:163 Resp: 604297

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

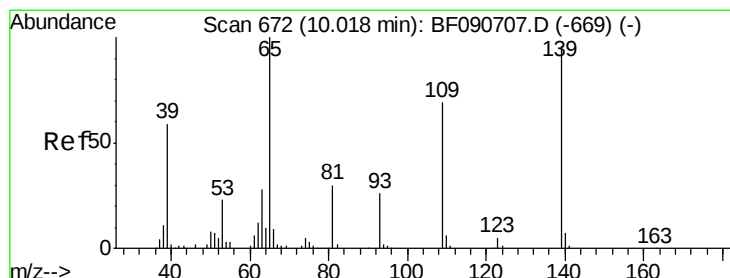
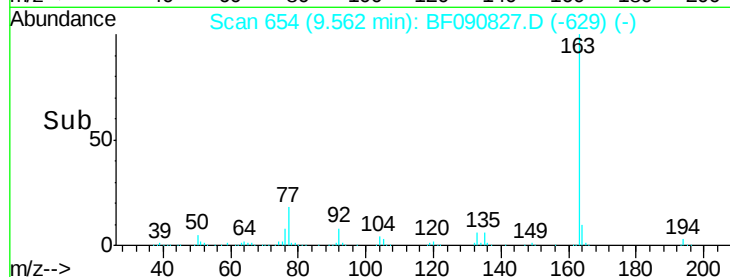
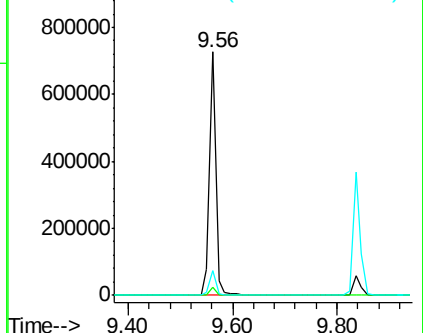
164 10.2 8.3 12.5



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



#55

4-Nitrophenol

Concen: 6.56 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.07 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

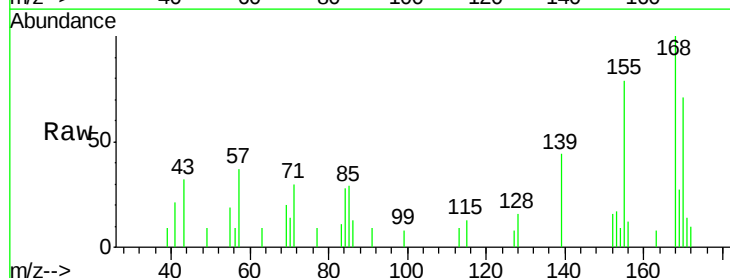
Tgt Ion:139 Resp: 2310

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

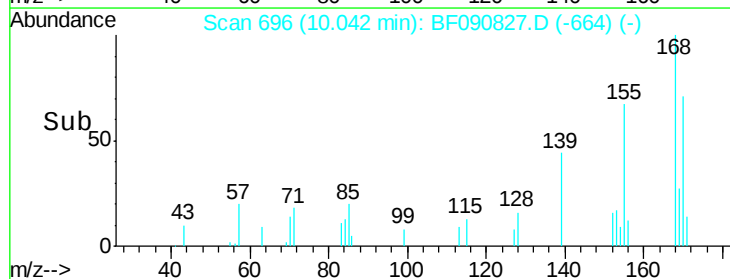
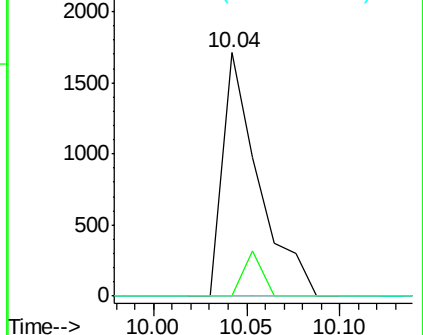
65 0.0 45.9 85.9#

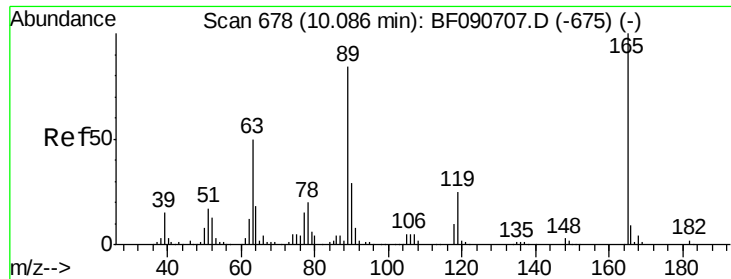


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

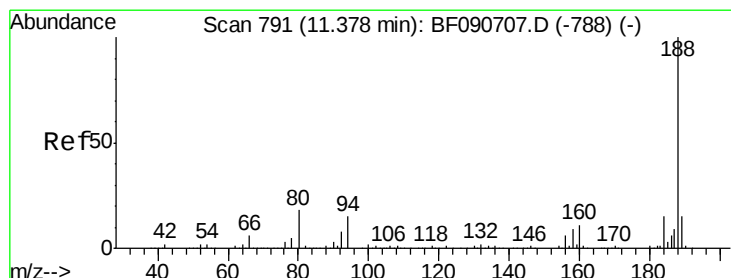
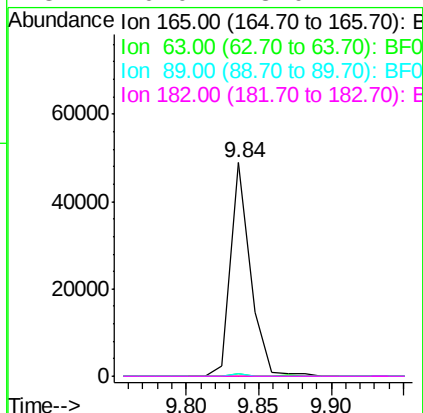
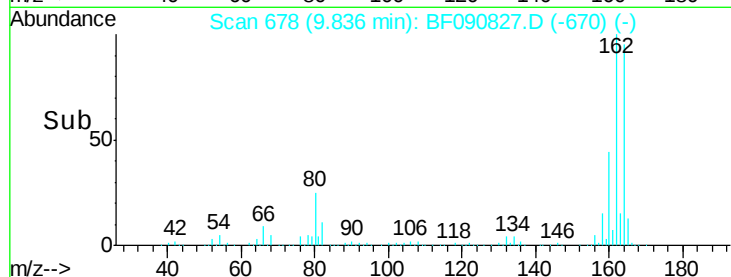
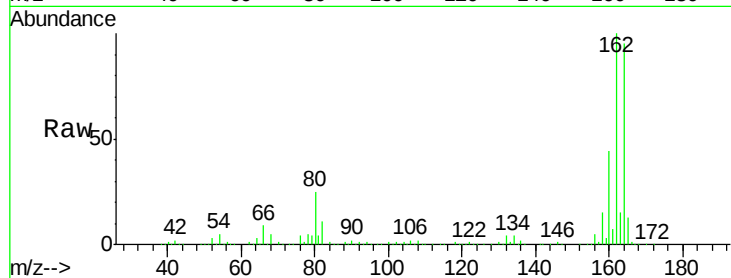




#56
 2,4-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

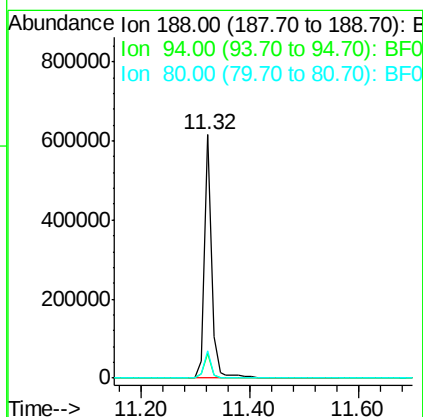
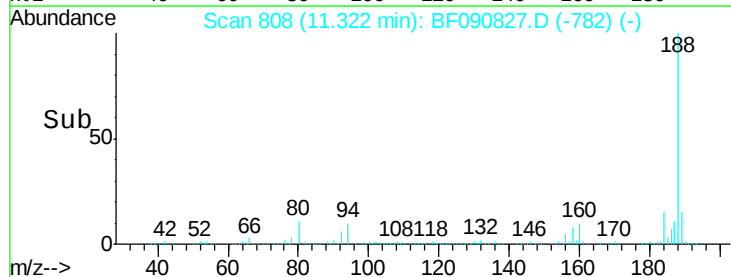
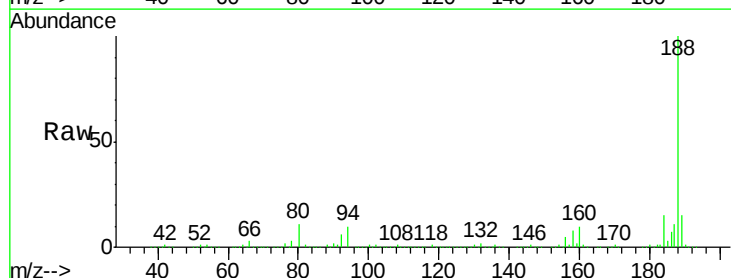
Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

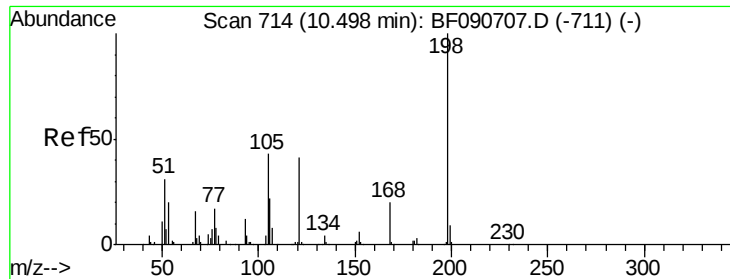
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	11.1	16.7#
80	11.0	11.0	16.4





#64

4,6-Dinitro-2-methylphenol

Concen: 4.30 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.18 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

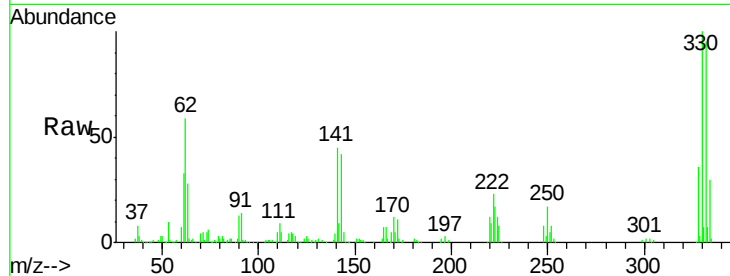
Tgt Ion:198 Resp: 498

Ion Ratio Lower Upper

198 100

51 164.7 39.6 79.6#

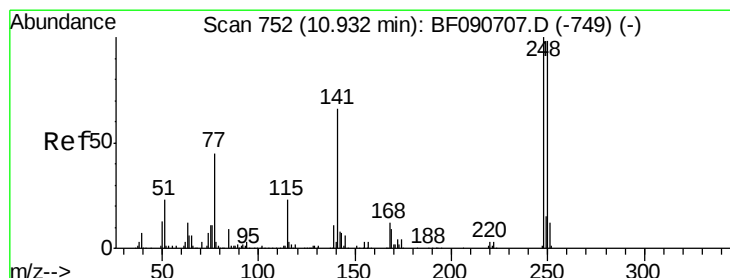
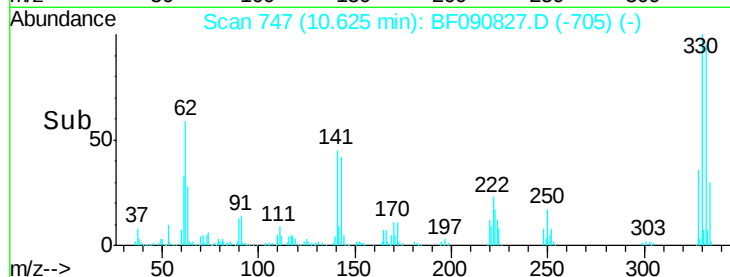
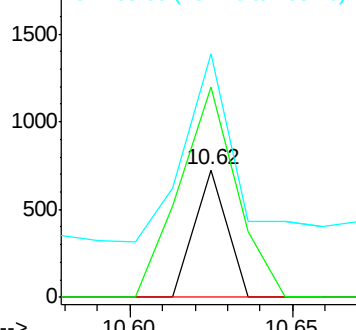
105 191.0 28.5 68.5#



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



#66

4-Bromophenyl-phenylether

Concen: 3.96 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

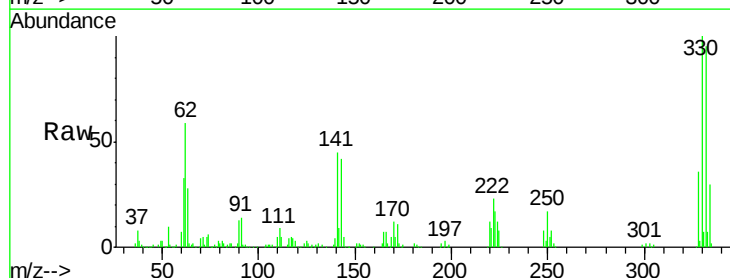
Tgt Ion:248 Resp: 21835

Ion Ratio Lower Upper

248 100

250 196.3 78.5 117.7#

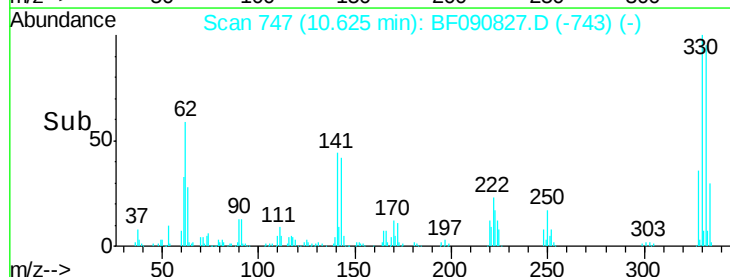
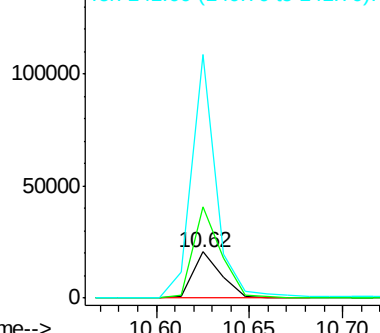
141 524.1 59.0 88.6#

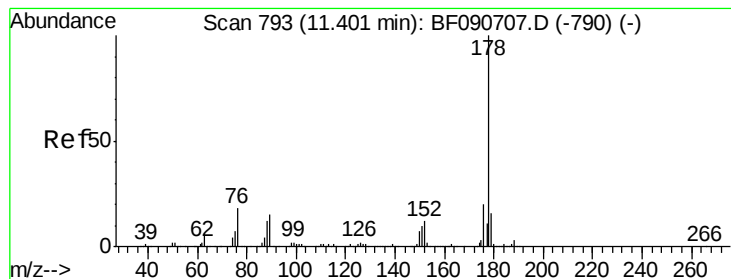


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.50 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

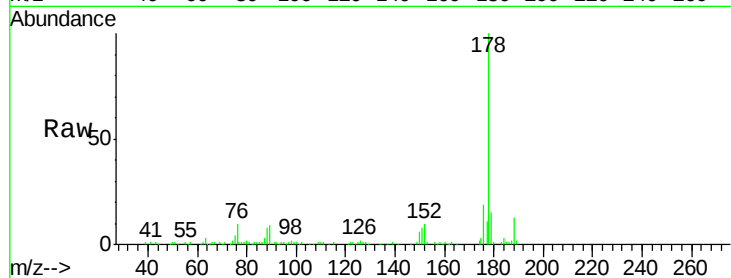
Tgt Ion:178 Resp: 101363

Ion Ratio Lower Upper

178 100

176 19.0 13.8 20.8

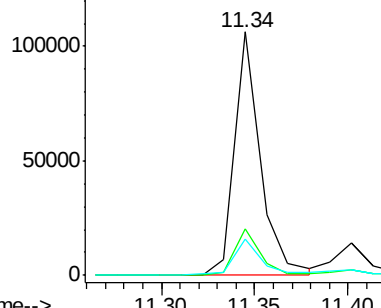
179 14.8 12.2 18.2



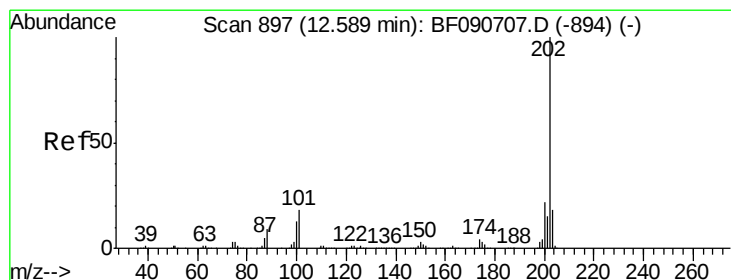
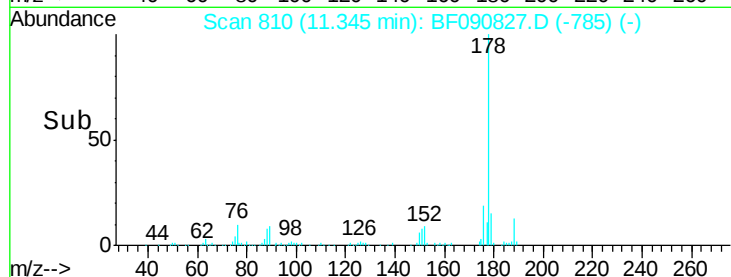
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 6.29 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

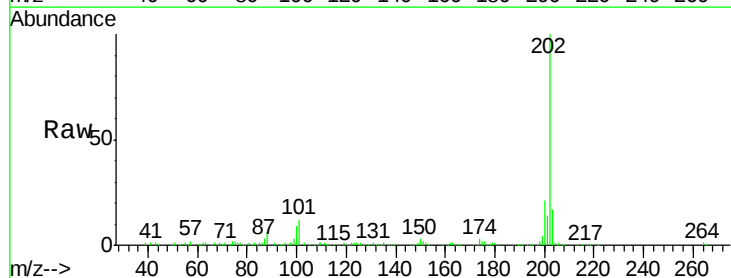
Tgt Ion:202 Resp: 176299

Ion Ratio Lower Upper

202 100

101 12.3 0.0 38.3

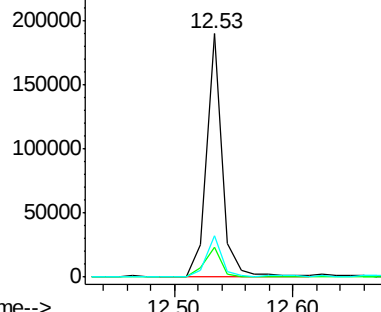
203 17.2 0.0 37.3



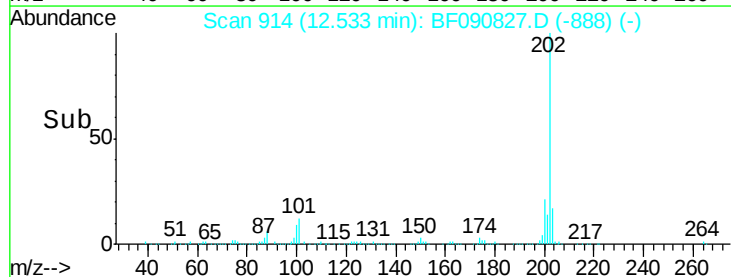
Abundance Ion 202.00 (201.70 to 202.70): E

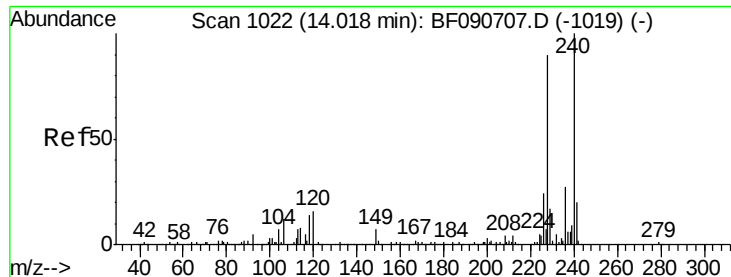
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

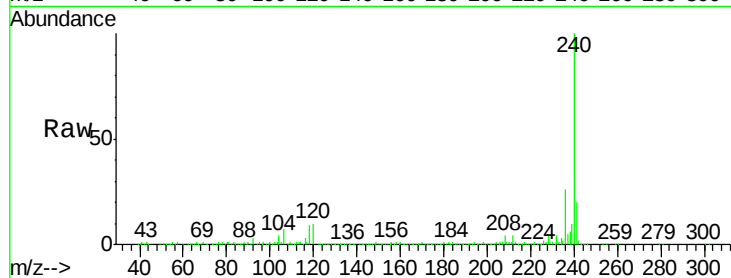
Tgt Ion:240 Resp: 377425

Ion Ratio Lower Upper

240 100

120 10.1 16.2 24.2#

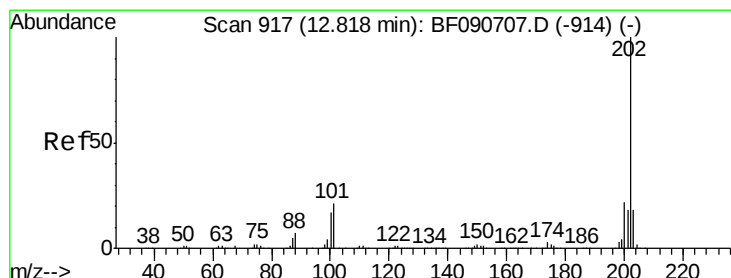
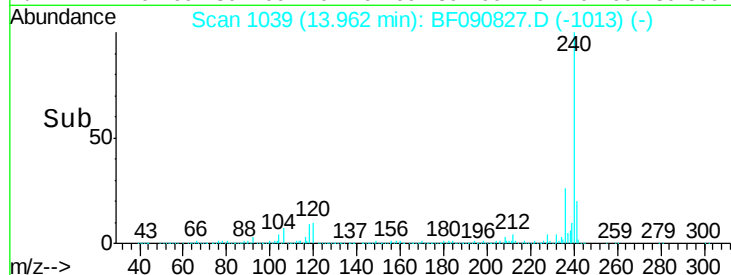
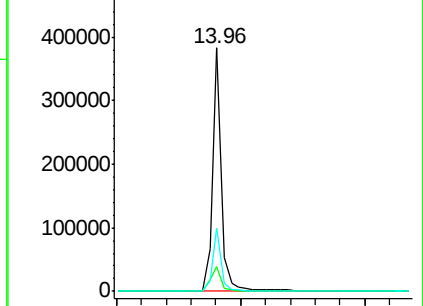
236 26.1 18.4 27.6



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: 5.76 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

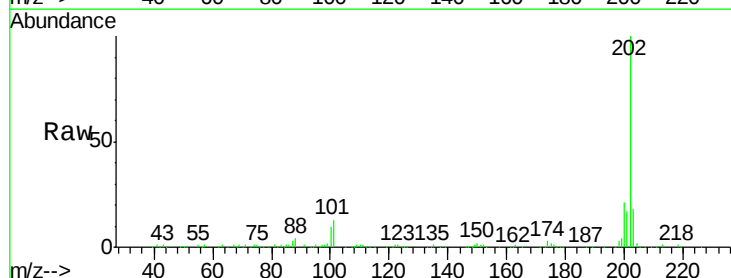
Tgt Ion:202 Resp: 151816

Ion Ratio Lower Upper

202 100

200 21.1 15.0 22.4

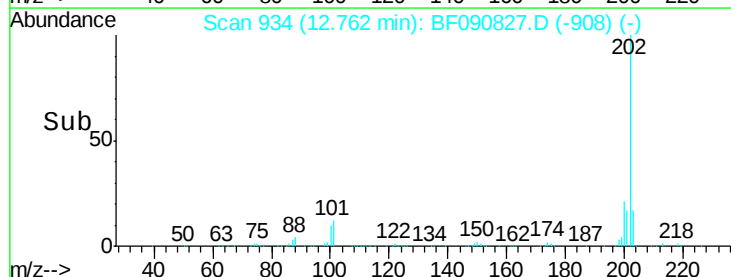
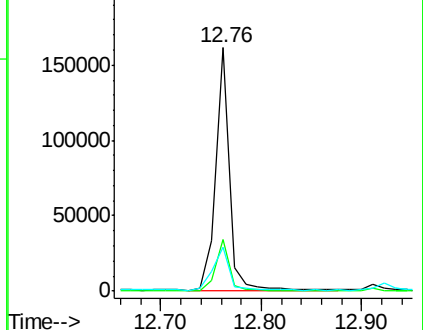
203 17.8 14.1 21.1

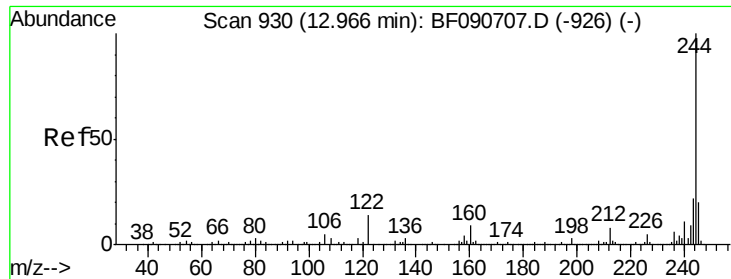


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

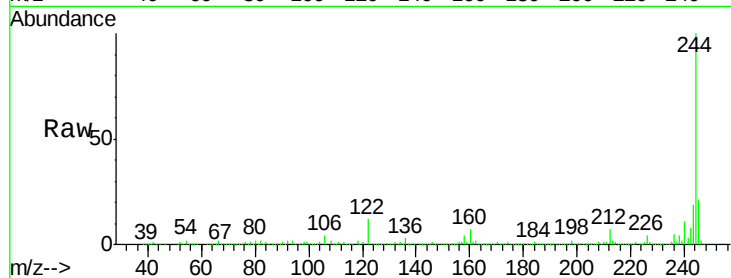




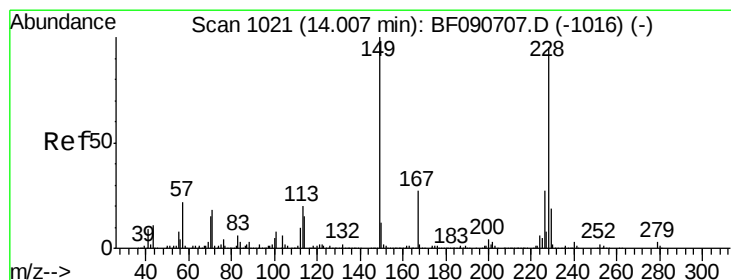
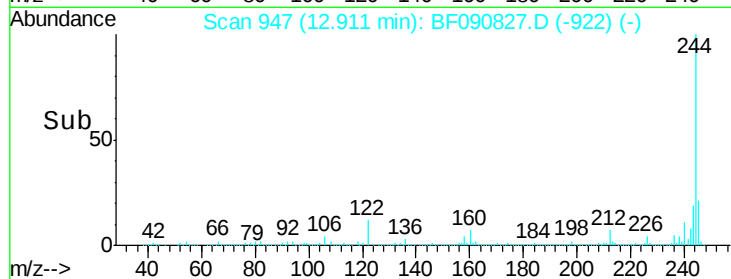
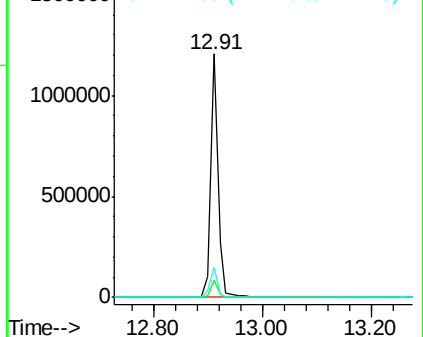
#78
 Terphenyl-d14
 Concen: 69.58 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

Tgt Ion:244 Resp: 1145842
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.3 6.5#
 122 12.4 17.4 26.2#

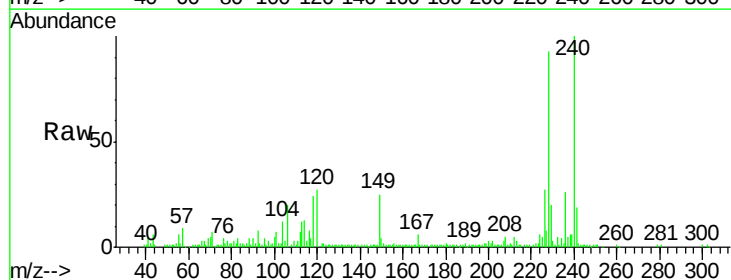


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

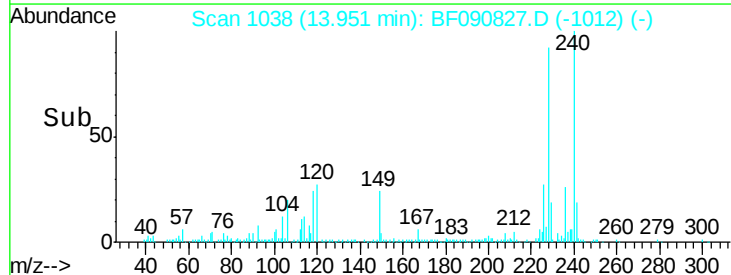
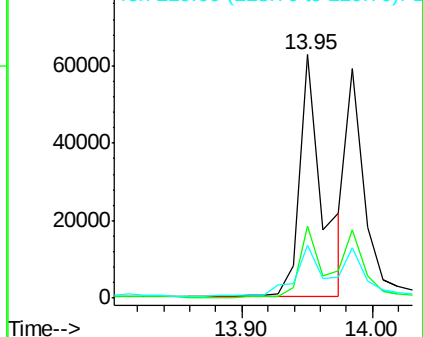


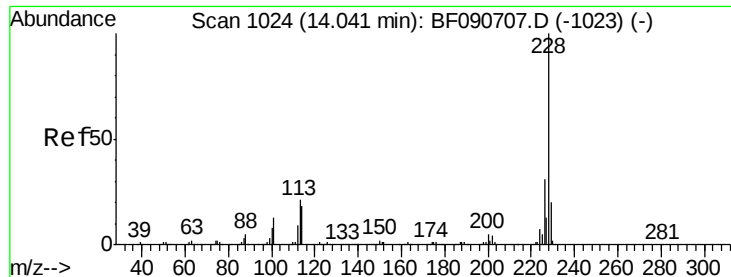
#80
 Benzo(a)anthracene
 Concen: 3.68 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion:228 Resp: 75935
 Ion Ratio Lower Upper
 228 100
 226 29.5 20.0 30.0
 229 21.6 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.90 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

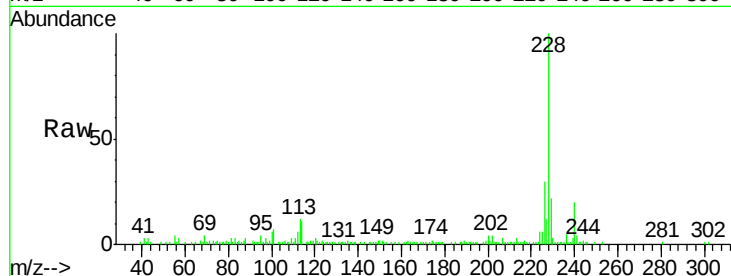
Tgt Ion:228 Resp: 58391

Ion Ratio Lower Upper

228 100

226 30.0 21.0 31.4

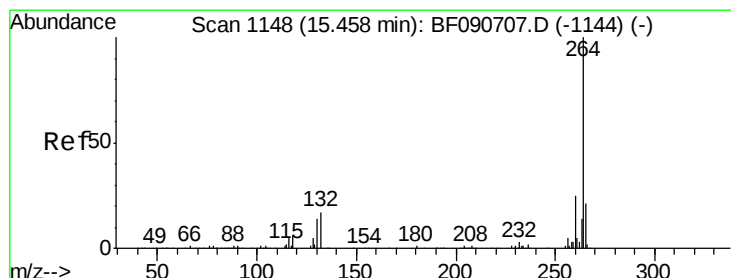
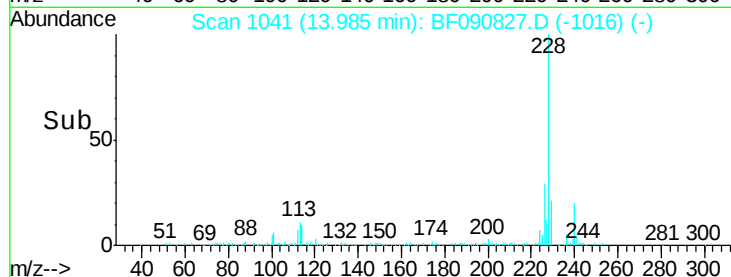
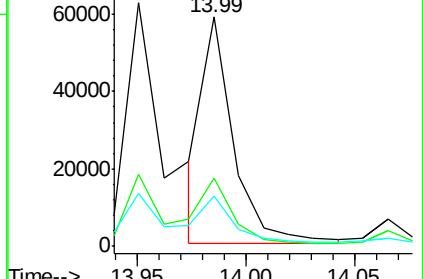
229 22.2 15.6 23.4



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: 15.38 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

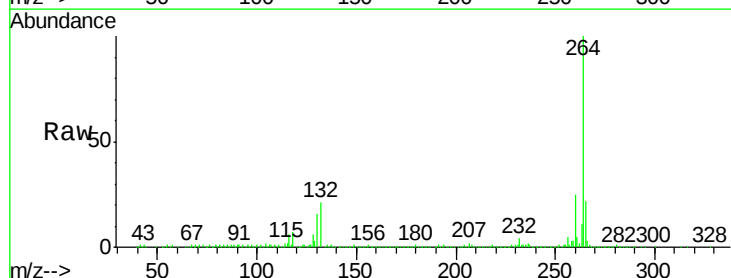
Tgt Ion:264 Resp: 351528

Ion Ratio Lower Upper

264 100

260 24.6 16.7 25.1

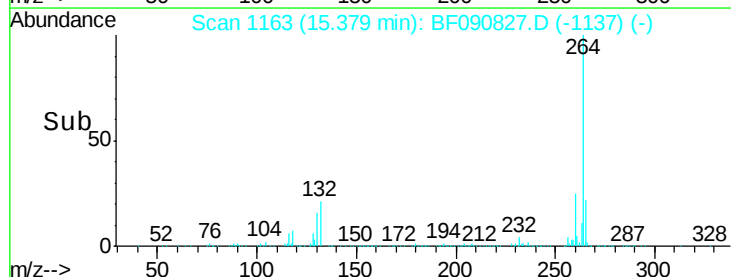
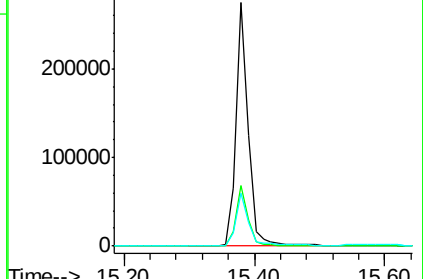
265 21.9 17.2 25.8

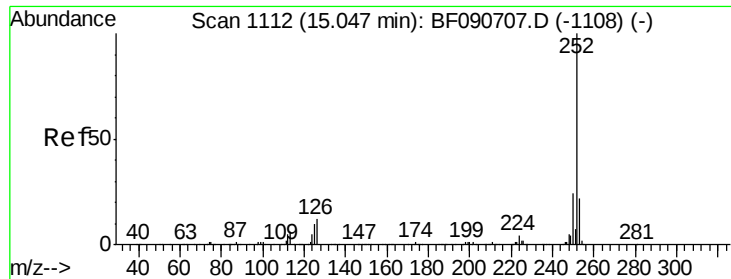


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.48 ng

RT: 14.98 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

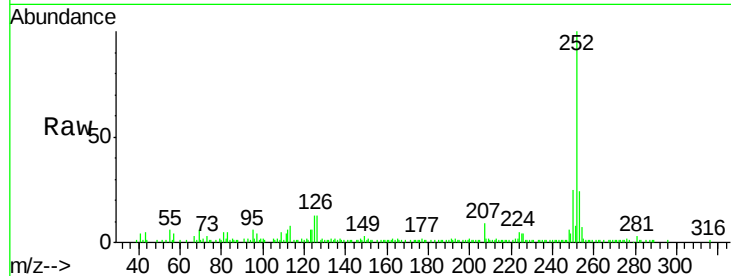
Tgt Ion:252 Resp: 118473

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

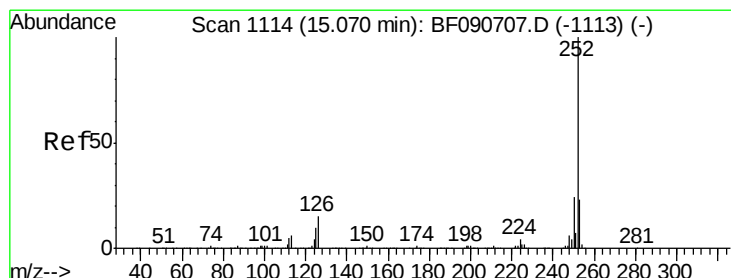
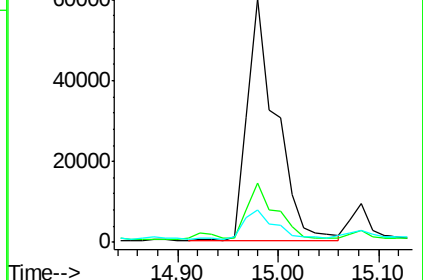
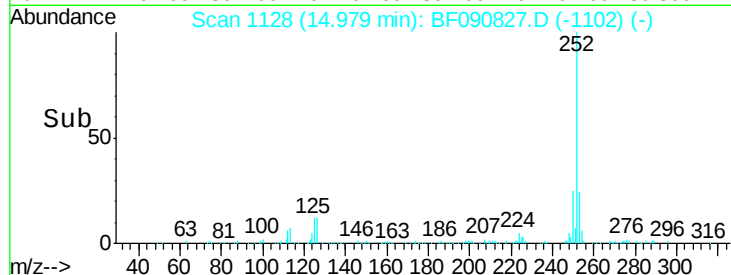
125 13.5 17.1 25.7#



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: 5.45 ng

RT: 14.98 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

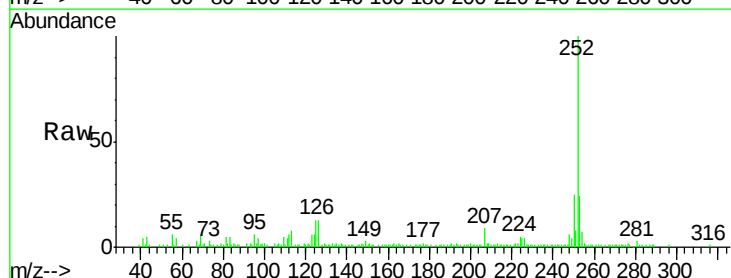
Tgt Ion:252 Resp: 118473

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.4

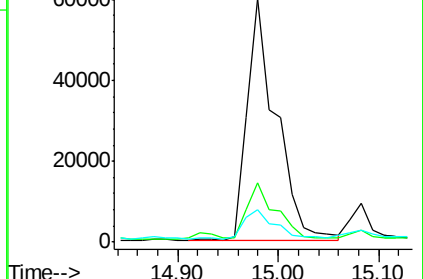
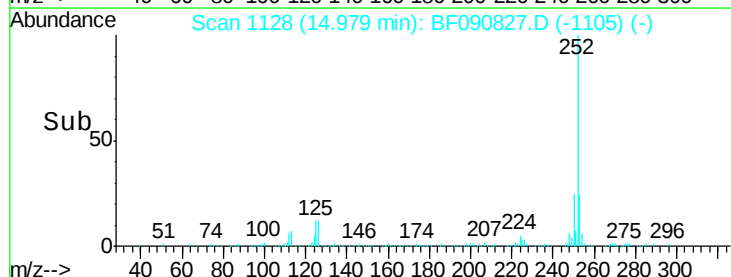
125 13.5 16.0 24.0#

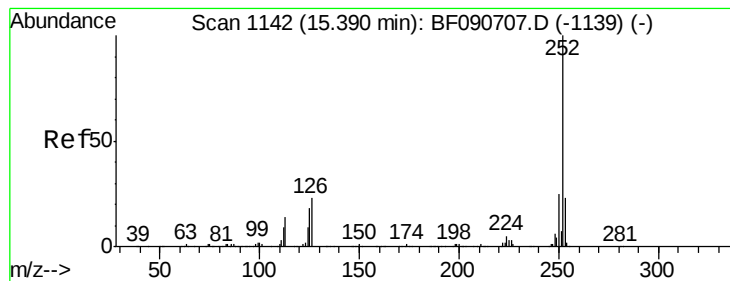


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.81 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF090827.D

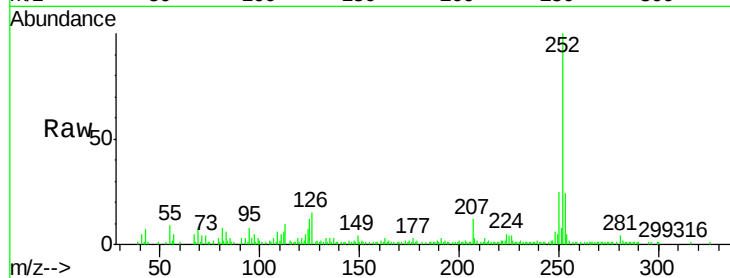
Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1



Tgt Ion:	252	Resp:	56889
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	12.4	18.0	27.0

