

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
 Data File : BF090520.D
 Acq On : 11 Oct 2016 23:35
 Operator : UM/SJ
 Sample : H5146-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0614

Quant Time: Oct 12 01:57:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 11 16:14:43 2016
 Response via : Initial Calibration

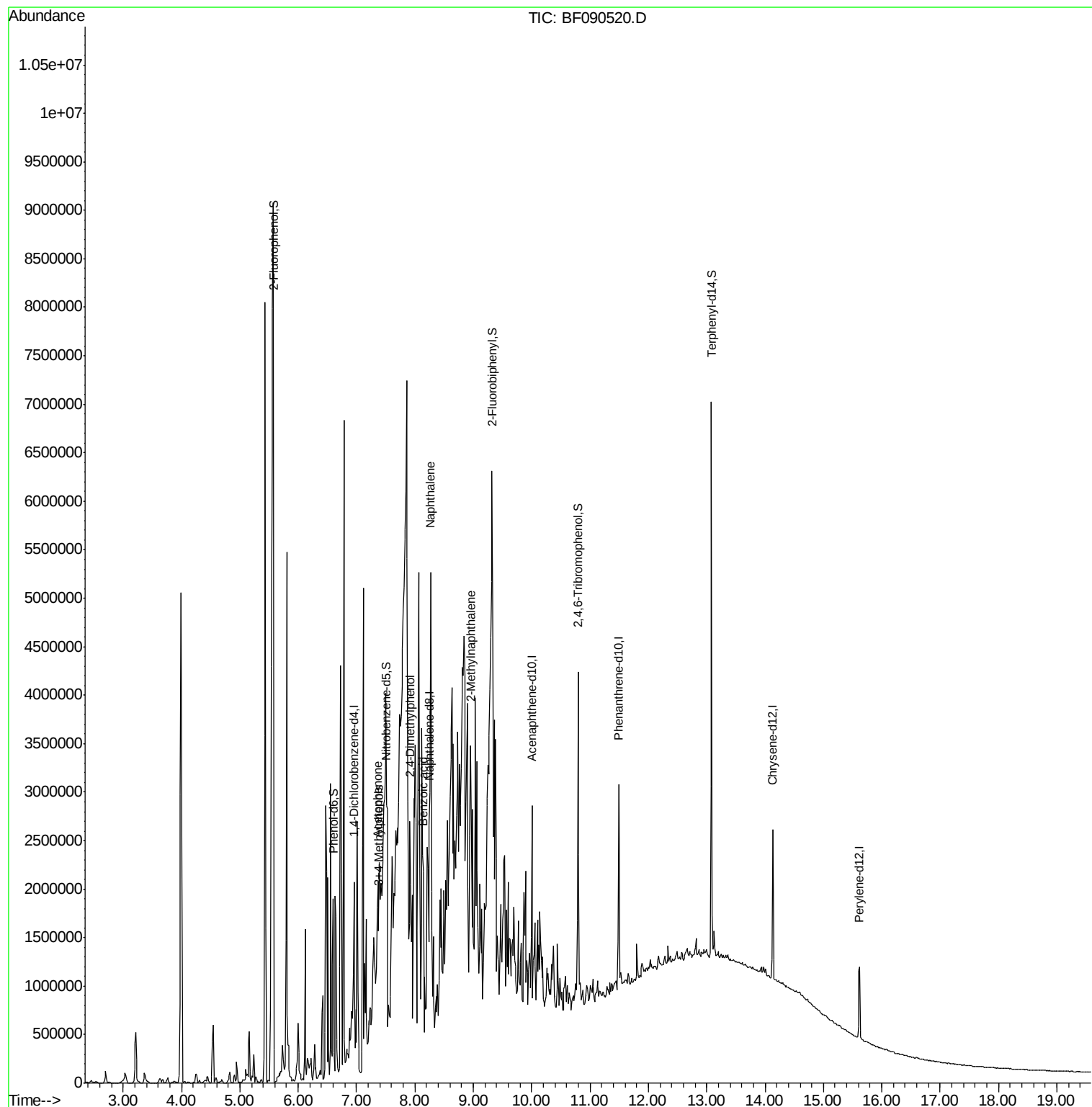
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	219532	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	879552	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	482274	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	739333	20.00	ng	0.01
75) Chrysene-d12	14.13	240	496640	20.00	ng	0.00
86) Perylene-d12	15.62	264	405937	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	683726	48.45	ng	0.01
7) Phenol-d6	6.60	99	837414	47.03	ng	0.01
23) Nitrobenzene-d5	7.51	82	1356896	83.67	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	608864	127.36	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	2348325	81.83	ng	0.00
78) Terphenyl-d14	13.08	244	1879272	92.47	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.38	107	70074	4.53	ng	# 82
22) Acetophenone	7.37	105	367866	19.00	ng	# 84
27) 2,4-Dimethylphenol	7.91	122	220384	16.34	ng	91
31) Naphthalene	8.27	128	2057798	46.96	ng	99
32) Benzoic acid	8.14	122	338891	31.83	ng	98
37) 2-Methylnaphthalene	8.95	142	446346	15.18	ng	99

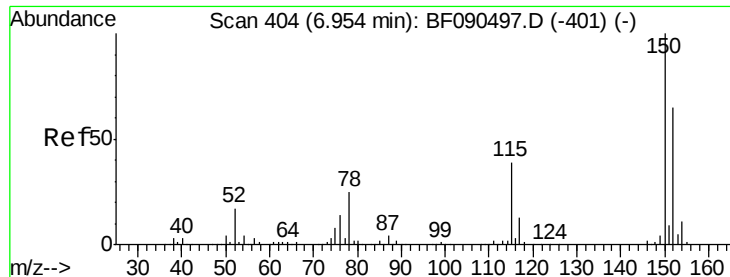
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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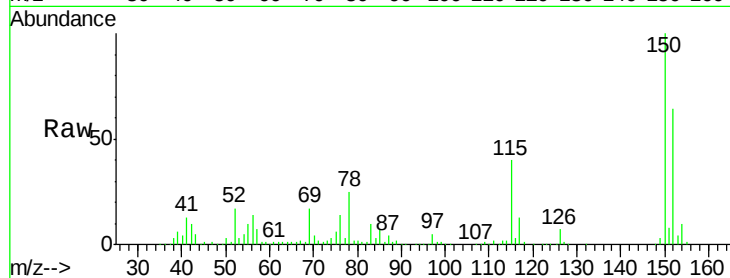


#1

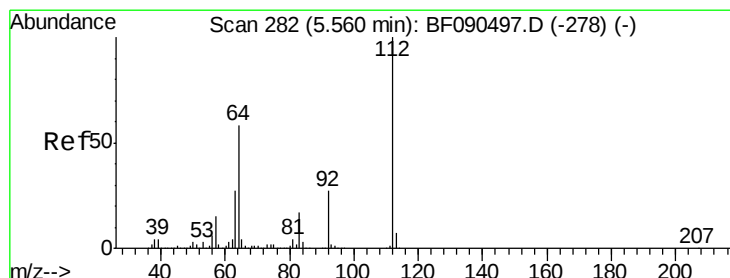
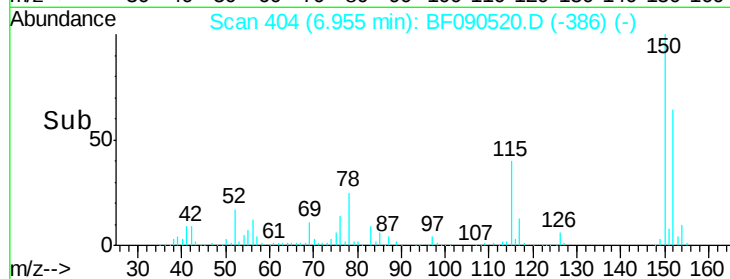
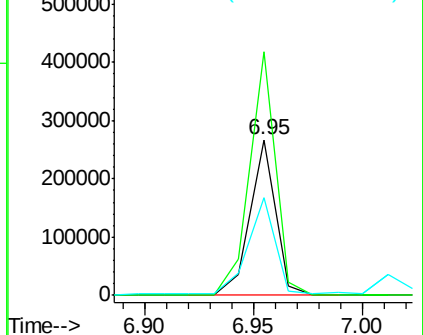
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	62.3	46.2	69.4



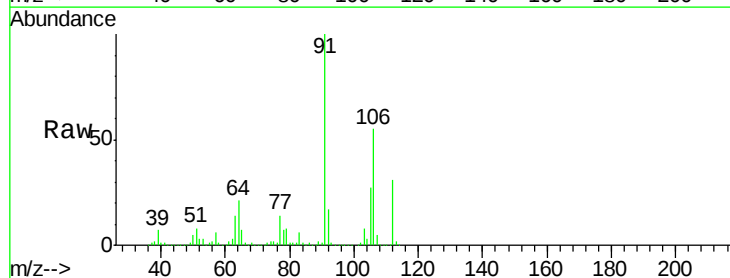
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



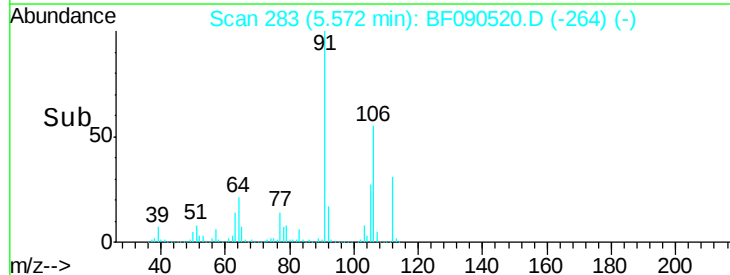
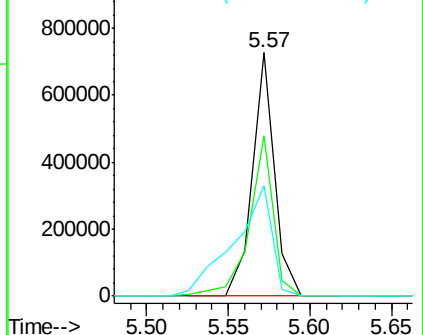
#5

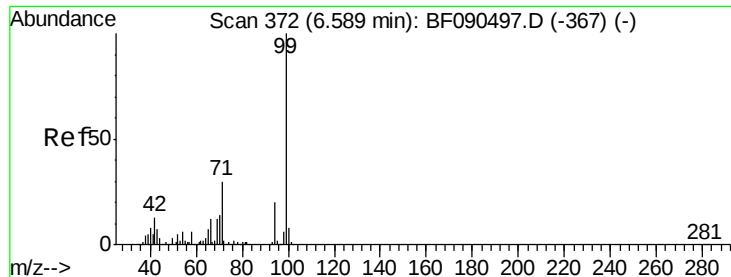
2-Fluorophenol
Concen: 48.45 ng
RT: 5.57 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	57.9	86.9
63	45.6	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: 47.03 ng

RT: 6.60 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Instrument :

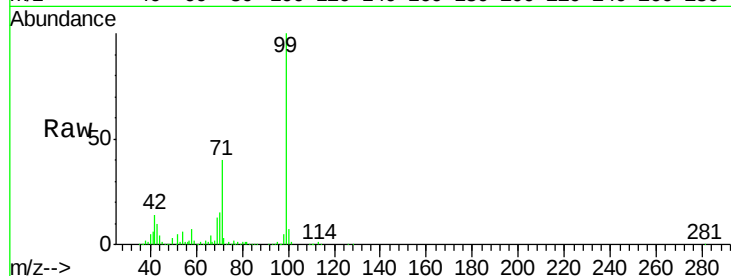
BNA_F

ClientSampleId :

S8-0614

Tot Ion: 99 Resp: 837414

Ion	Ratio	Lower	Upper
99	100		
42	14.1	20.0	30.0#
71	39.6	27.9	41.9

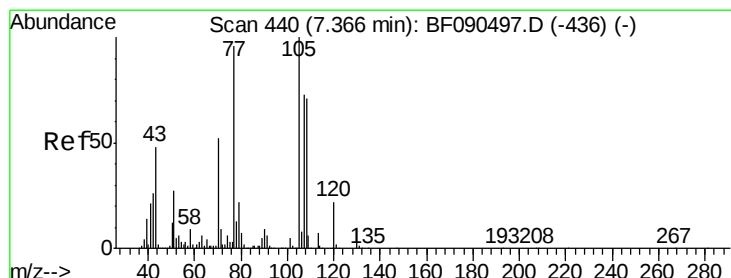
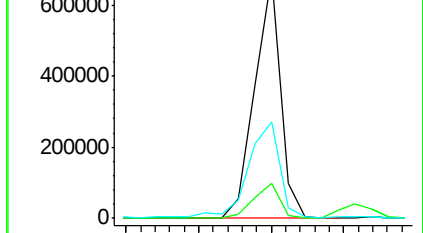
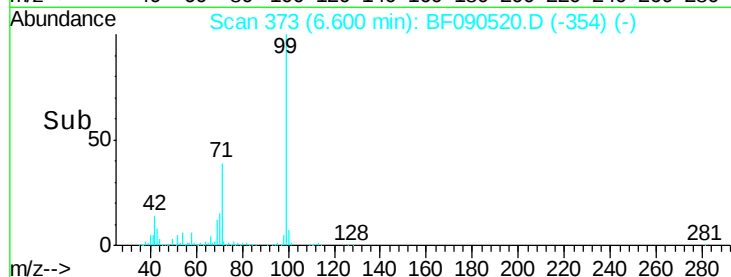


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

Time-->



#20

3+4-Methylphenols

Concen: 4.53 ng

RT: 7.38 min Scan# 441

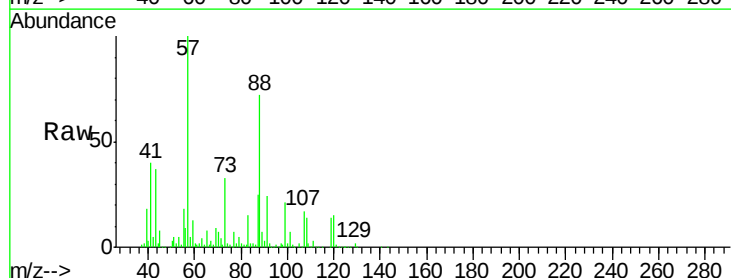
Delta R.T. 0.01 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Tgt Ion: 107 Resp: 70074

Ion	Ratio	Lower	Upper
107	100		
108	81.9	66.7	106.7
77	41.6	53.7	93.7#
79	27.5	8.4	48.4



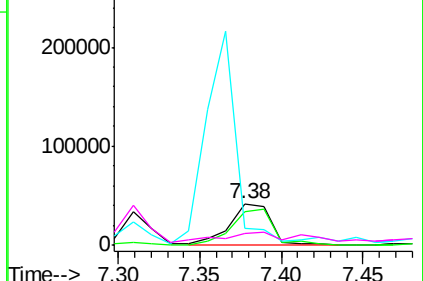
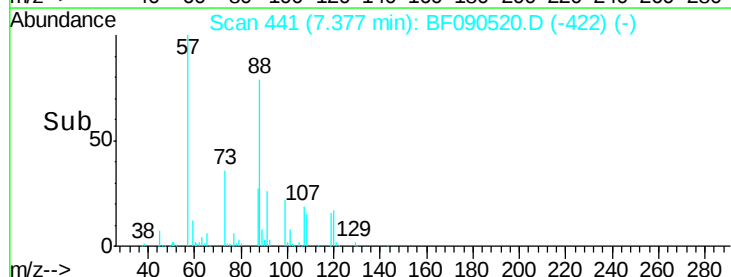
Abundance Ion 107.00 (106.70 to 107.70): E

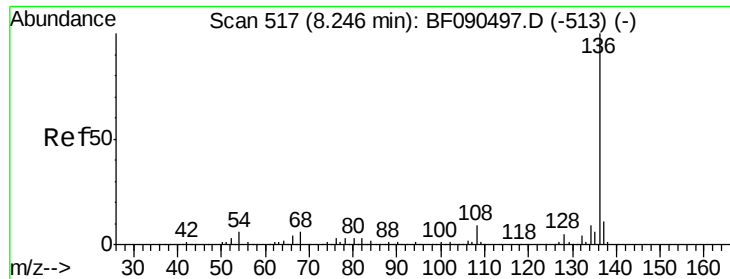
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Instrument :

BNA_F

ClientSampleId :

S8-0614

Tot Ion:136 Resp: 879552

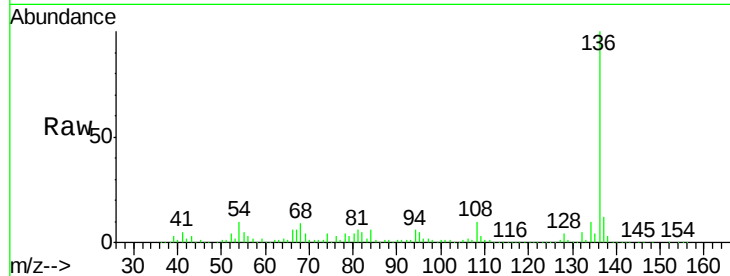
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 9.8 6.6 10.0

68 9.4 5.0 7.6#

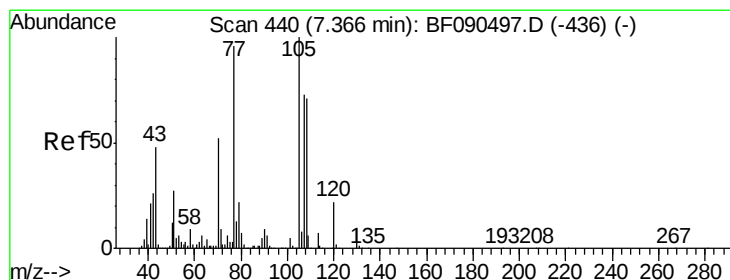
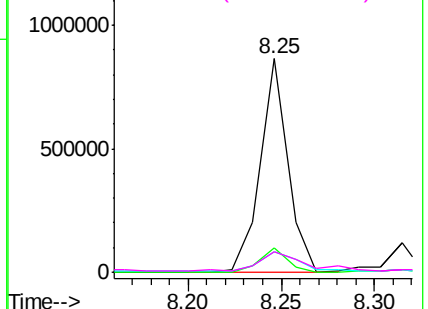
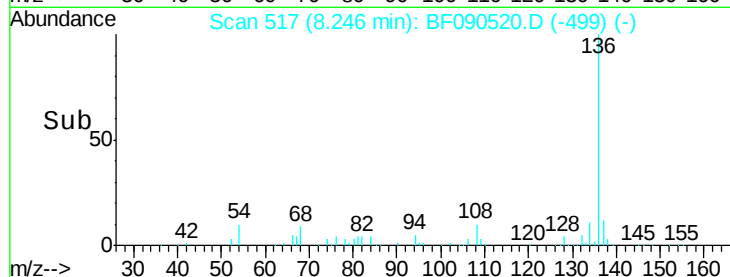


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 19.00 ng

RT: 7.37 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Tgt Ion:105 Resp: 367866

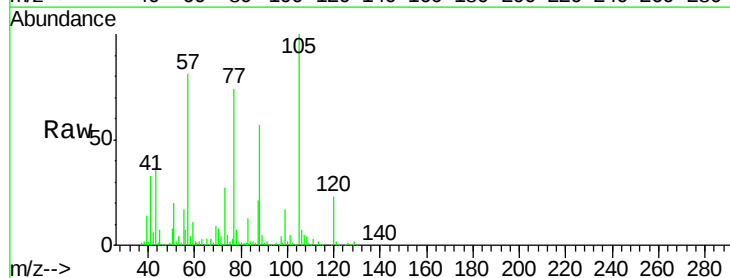
Ion Ratio Lower Upper

105 100

71 3.6 3.8 5.6#

51 20.4 28.2 42.4#

120 22.7 17.4 26.2

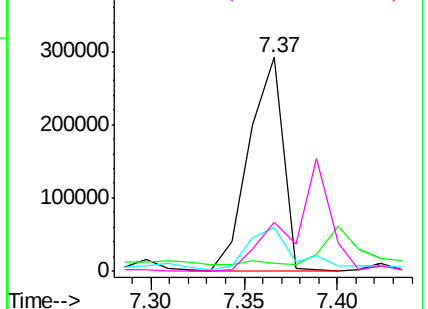
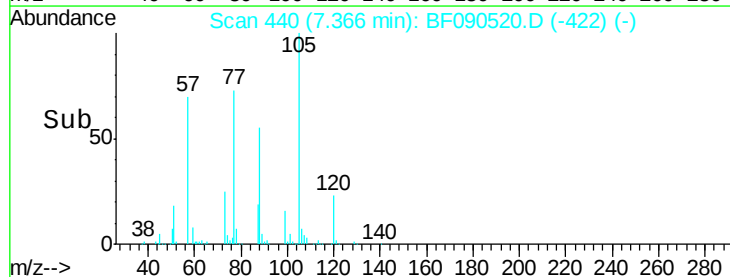


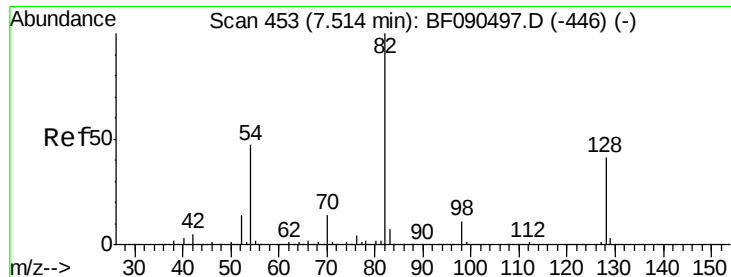
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

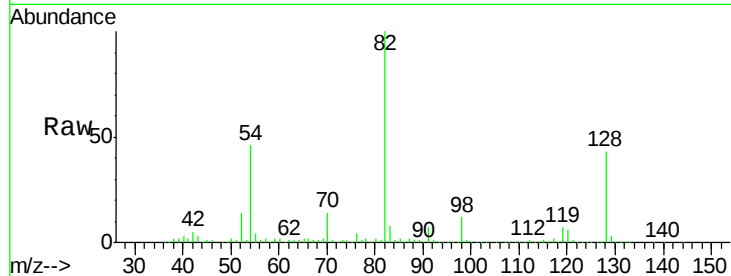




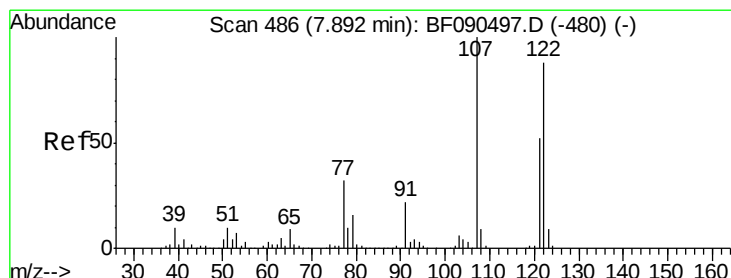
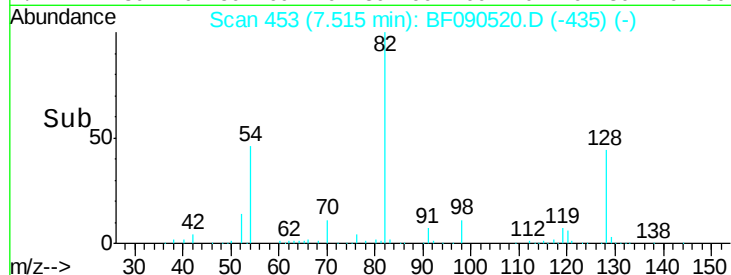
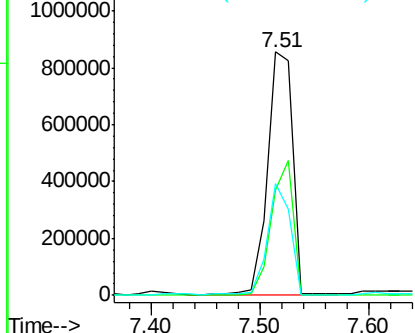
#23
Nitrobenzene-d5
Concen: 83.67 ng
RT: 7.51 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tot Ion: 82 Resp: 1356896
Ion Ratio Lower Upper
82 100
128 43.4 40.0 60.0
54 45.7 42.6 64.0

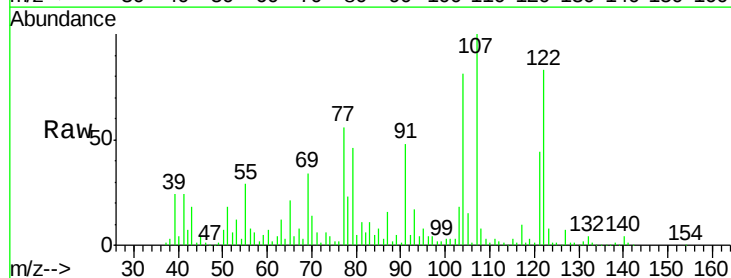


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

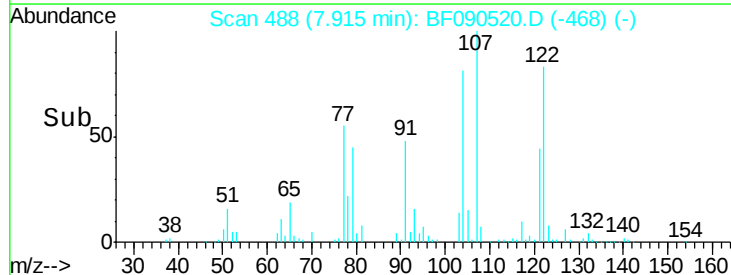
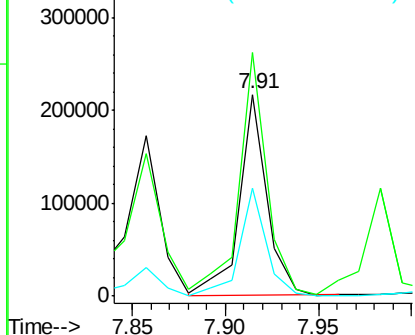


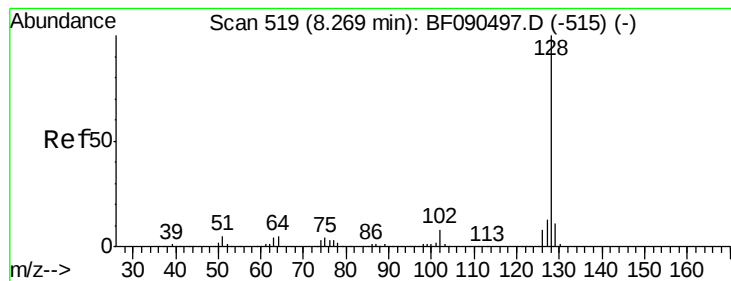
#27
2,4-Dimethylphenol
Concen: 16.34 ng
RT: 7.91 min Scan# 488
Delta R.T. 0.02 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:122 Resp: 220384
Ion Ratio Lower Upper
122 100
107 120.8 88.6 132.8
121 53.5 47.5 71.3



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 107.00 (106.70 to 107.70): B
Ion 121.00 (120.70 to 121.70): B





#31

Naphthalene

Concen: 46.96 ng

RT: 8.27 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Instrument :

BNA_F

ClientSampleId :

S8-0614

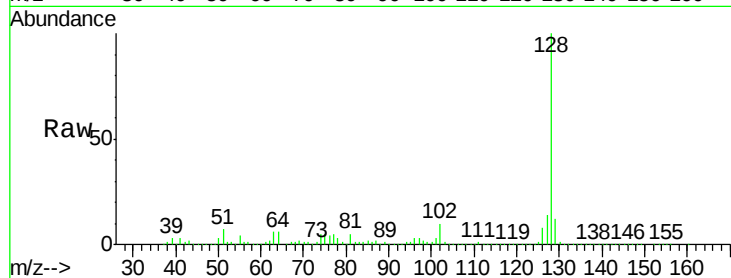
Tot Ion:128 Resp: 2057798

Ion Ratio Lower Upper

128 100

129 12.2 9.7 14.5

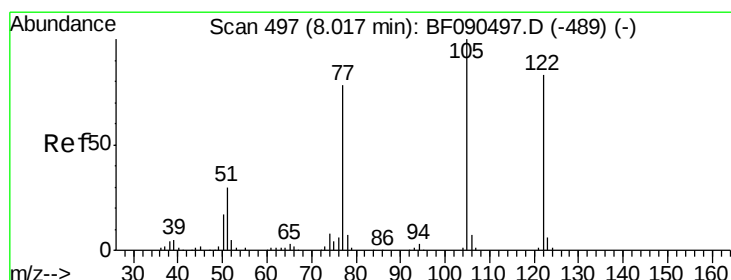
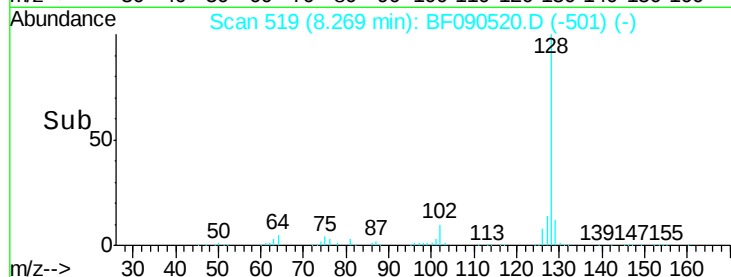
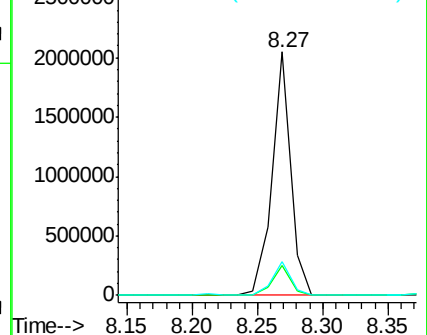
127 14.1 11.7 17.5



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



#32

Benzoic acid

Concen: 31.83 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

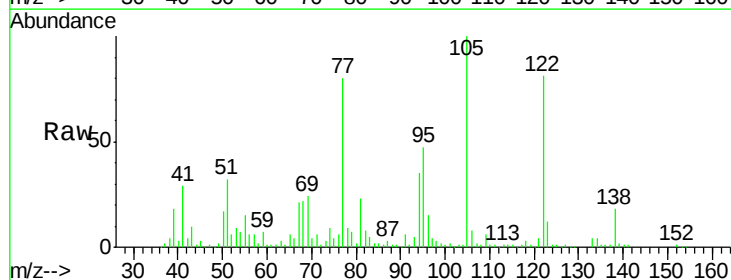
Tgt Ion:122 Resp: 338891

Ion Ratio Lower Upper

122 100

105 123.7 103.9 143.9

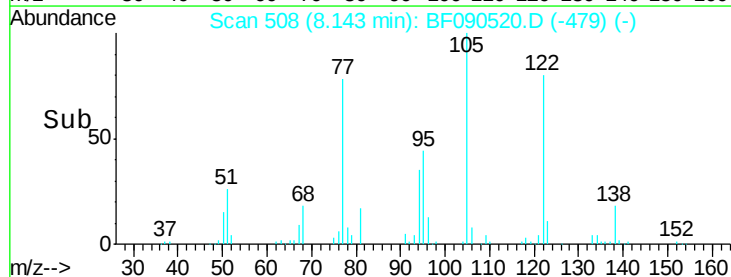
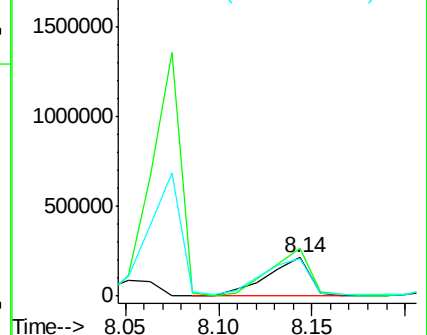
77 98.6 74.6 114.6

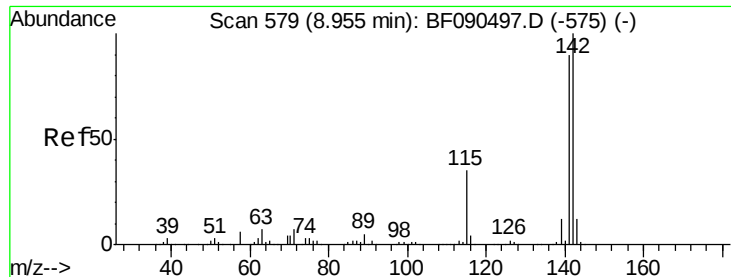


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

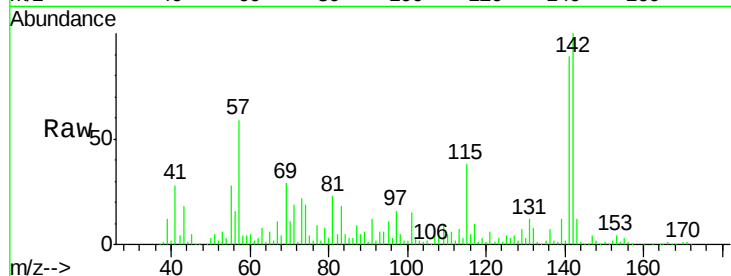




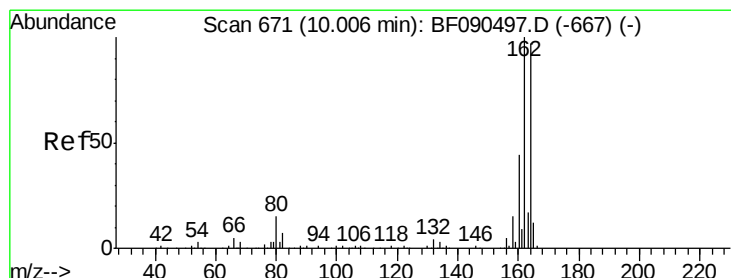
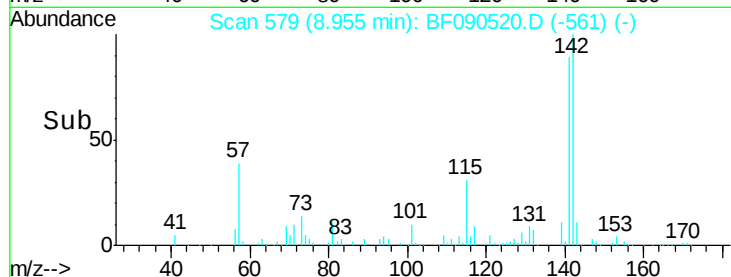
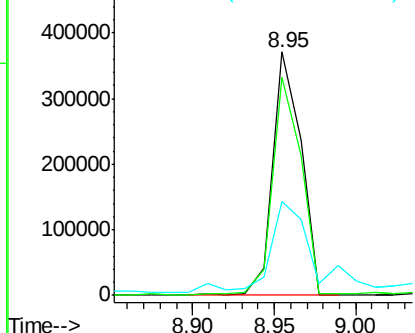
#37
2-Methylnaphthalene
Concen: 15.18 ng
RT: 8.95 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampled :
S8-0614

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.8	107.8
115	38.4	28.8	43.2

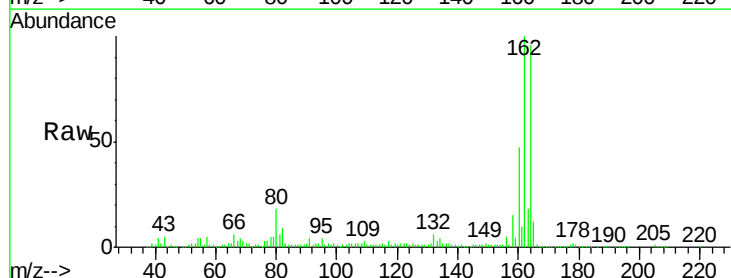


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

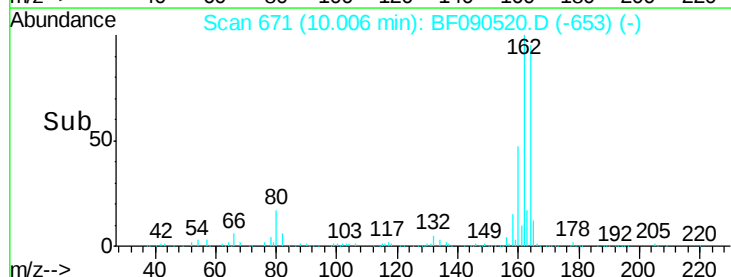
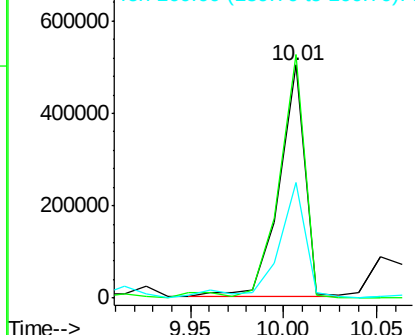


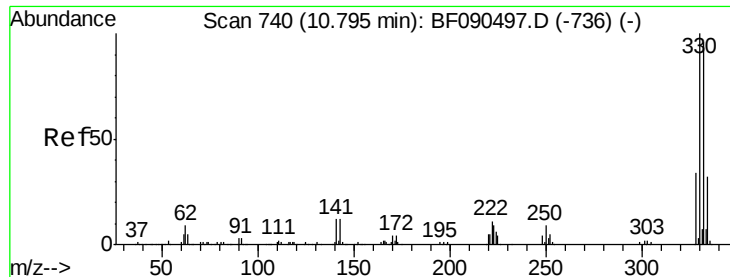
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.1	120.1
160	49.4	36.3	54.5



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

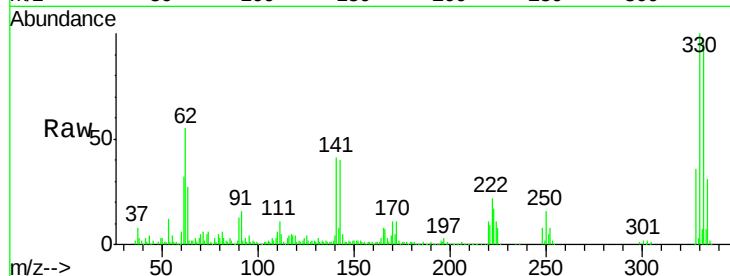




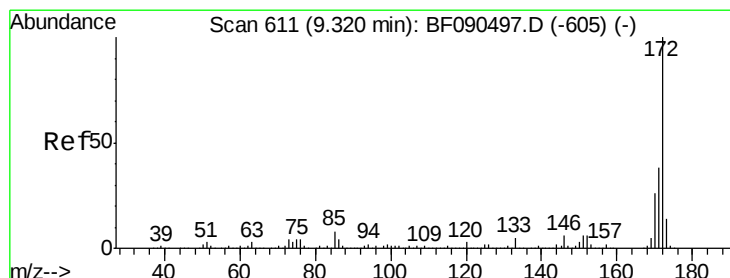
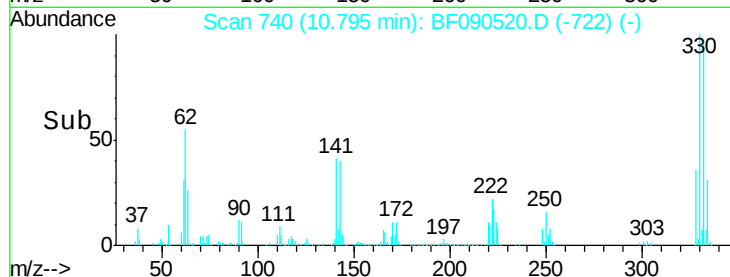
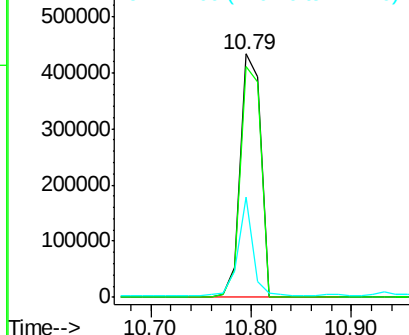
#41
 2,4,6-Tribromophenol
 Concen: 127.36 ng
 RT: 10.79 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF090520.D
 Acq: 11 Oct 2016 23:35

Instrument :
 BNA_F
 ClientSampleId :
 S8-0614

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	29.3	26.9	40.3

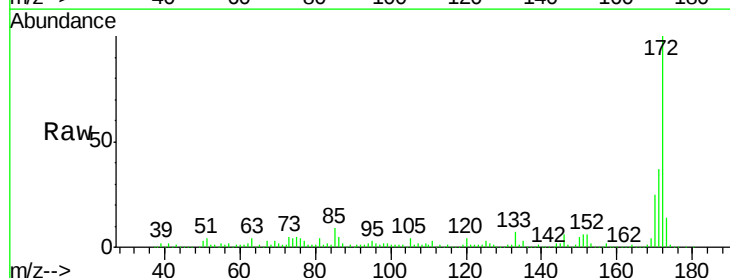


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

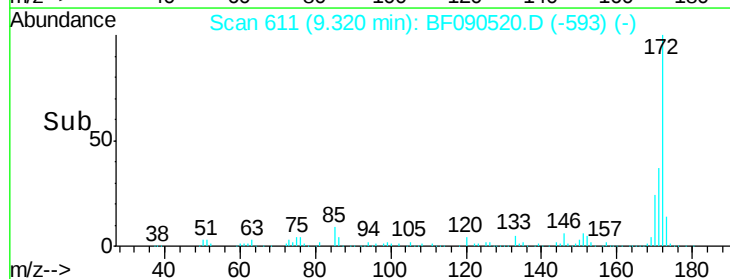
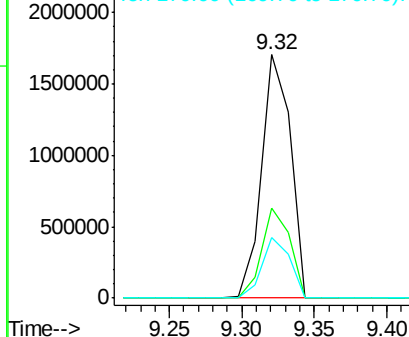


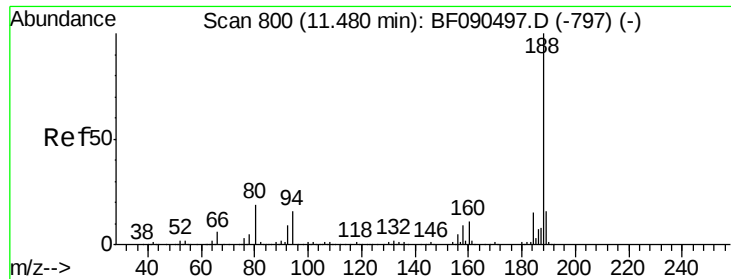
#44
 2-Fluorobiphenyl
 Concen: 81.83 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090520.D
 Acq: 11 Oct 2016 23:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.8	47.8
170	24.7	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

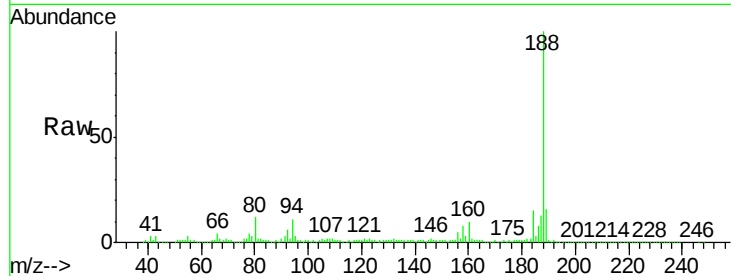




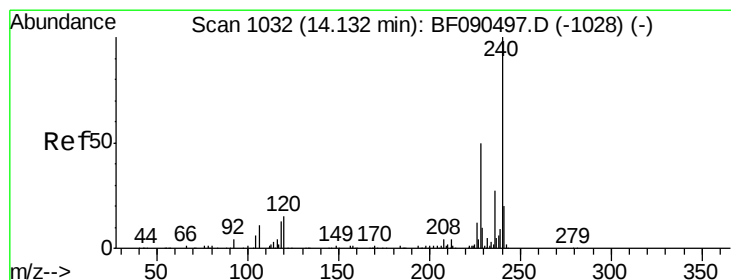
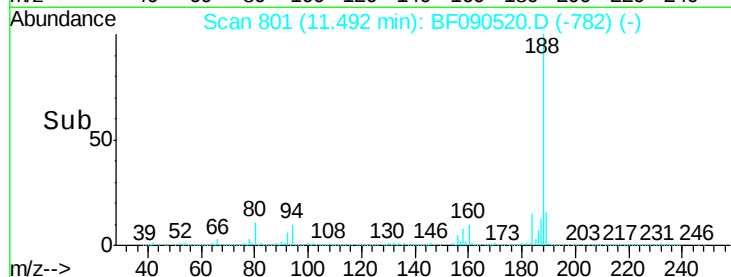
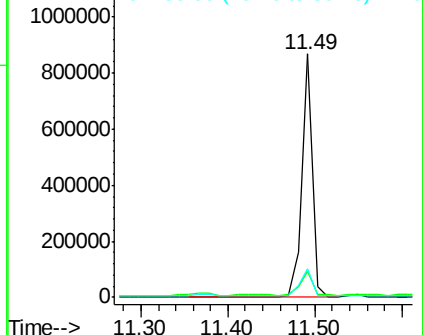
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tot Ion:188 Resp: 739333
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.2
80 11.6 8.8 13.2

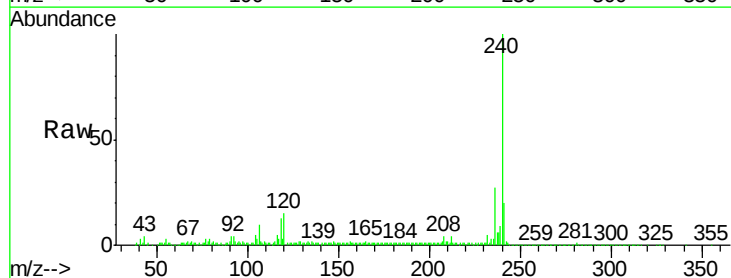


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

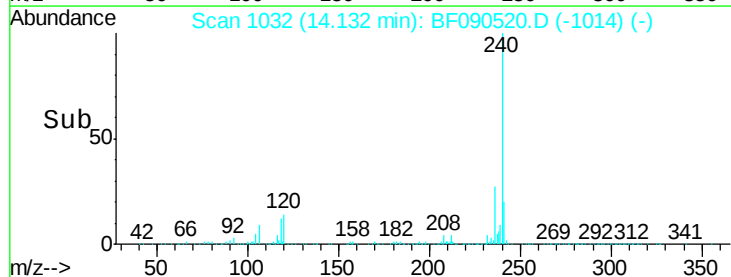
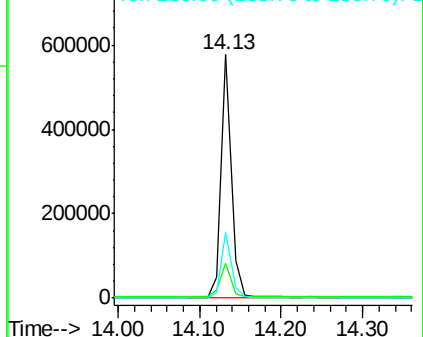


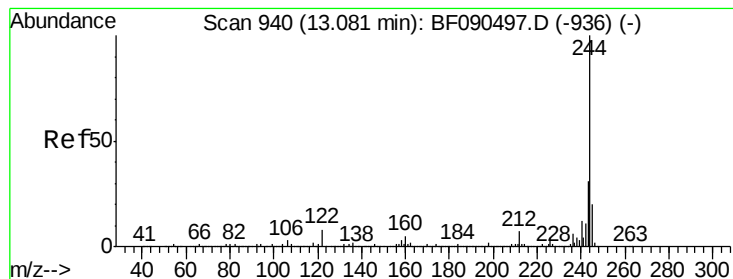
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:240 Resp: 496640
Ion Ratio Lower Upper
240 100
120 14.6 8.6 13.0#
236 26.8 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





#78

Terphenyl-d14

Concen: 92.47 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Instrument :

BNA_F

ClientSampleId :

S8-0614

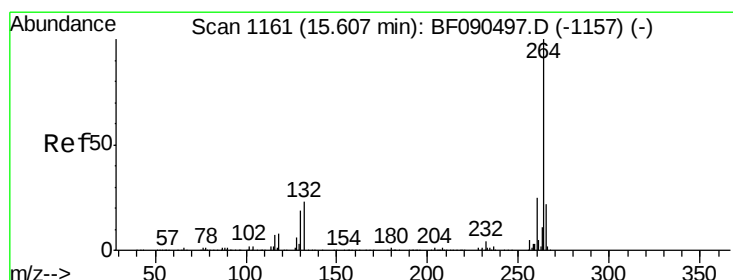
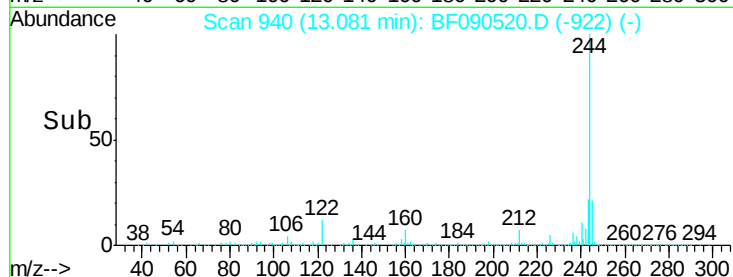
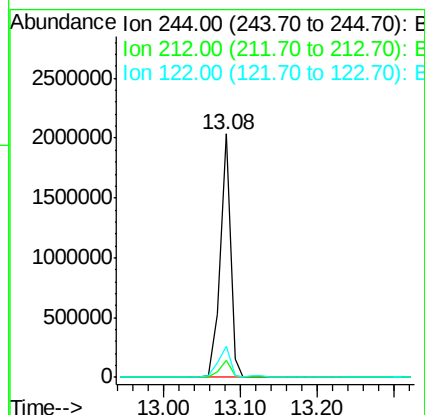
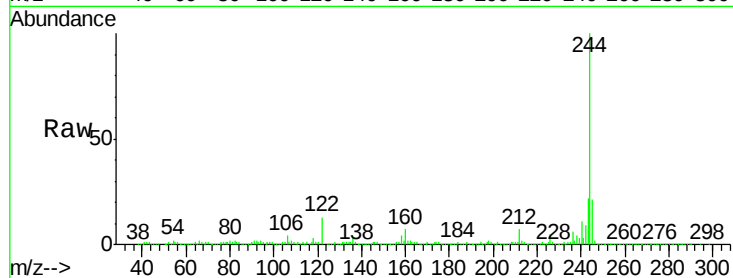
Tot Ion:244 Resp: 1879272

Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

122 12.5 13.3 19.9#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF090520.D

Acq: 11 Oct 2016 23:35

Tgt Ion:264 Resp: 405937

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

265 22.2 17.4 26.0

