

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
 Data File : BF090521.D
 Acq On : 12 Oct 2016 00:02
 Operator : UM/SJ
 Sample : H5146-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0615

Quant Time: Oct 12 02:00:13 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

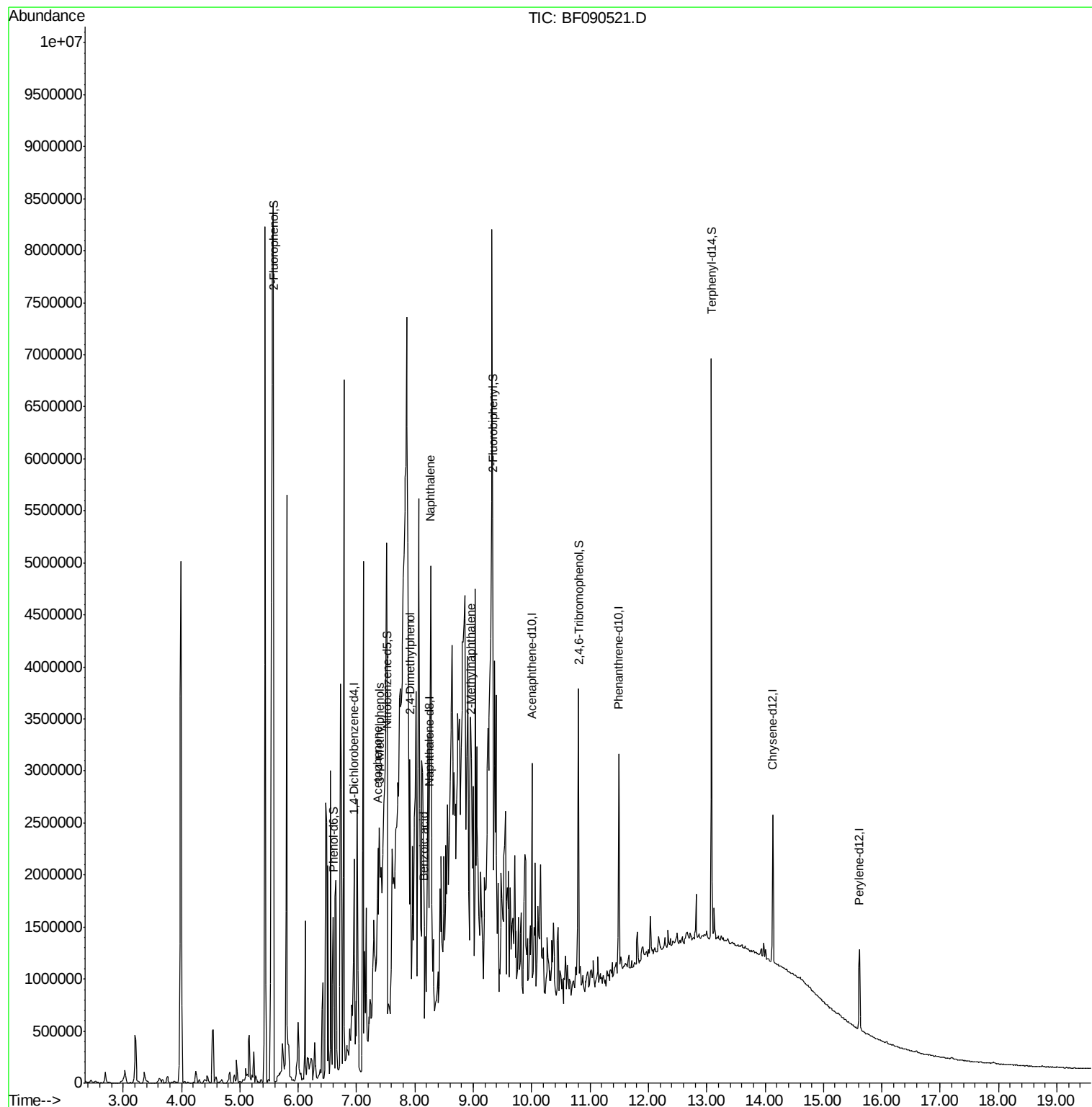
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	217362	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	845849	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	494297	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	726386	20.00	ng	0.01
75) Chrysene-d12	14.13	240	471713	20.00	ng	0.00
86) Perylene-d12	15.62	264	387814	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	658064	47.10	ng	0.01
7) Phenol-d6	6.60	99	778538	44.16	ng	0.01
23) Nitrobenzene-d5	7.53	82	1259163	80.74	ng	0.01
41) 2,4,6-Tribromophenol	10.81	330	686001	140.00	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	2345029	79.73	ng	0.01
78) Terphenyl-d14	13.08	244	1776100	92.01	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.39	107	71119	4.65	ng	# 82
22) Acetophenone	7.37	105	388122	20.84	ng	# 86
27) 2,4-Dimethylphenol	7.91	122	210130	16.20	ng	90
31) Naphthalene	8.27	128	2136423	50.70	ng	99
32) Benzoic acid	8.15	122	381202	37.23	ng	99
37) 2-Methylnaphthalene	8.97	142	485201	17.15	ng	99

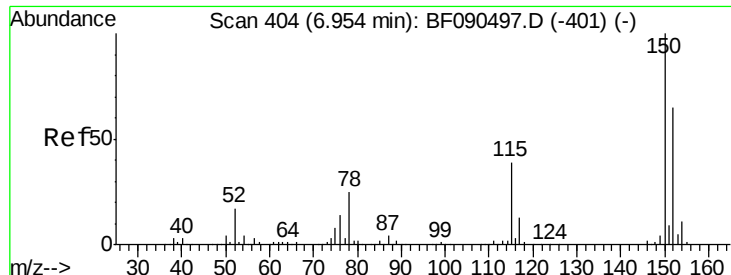
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

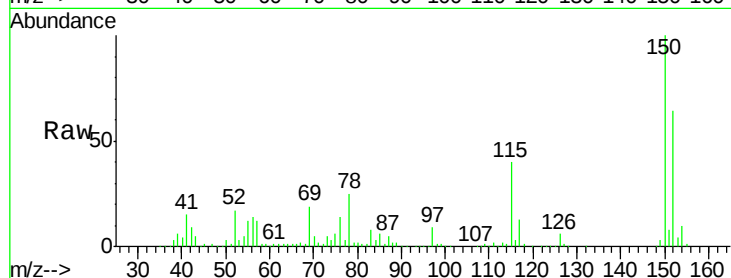
Tot Ion:152 Resp: 217362

Ion Ratio Lower Upper

152 100

150 156.5 124.6 186.8

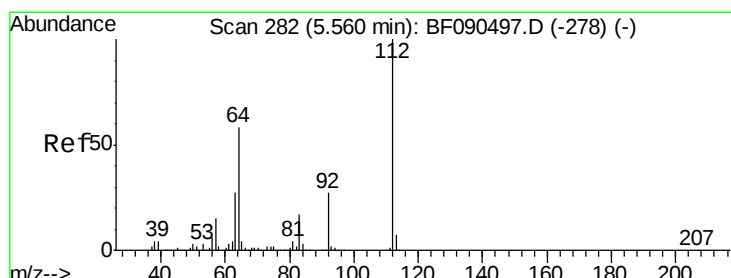
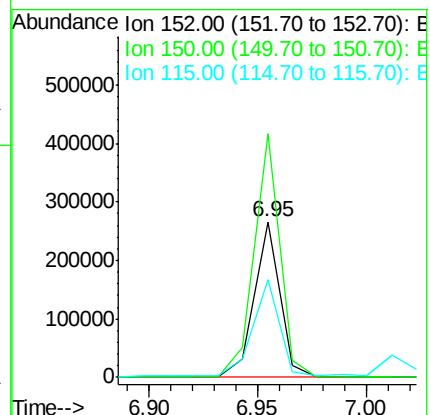
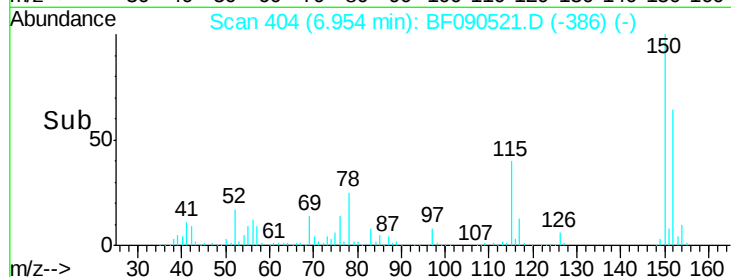
115 63.2 46.2 69.4



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: 47.10 ng

RT: 5.57 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

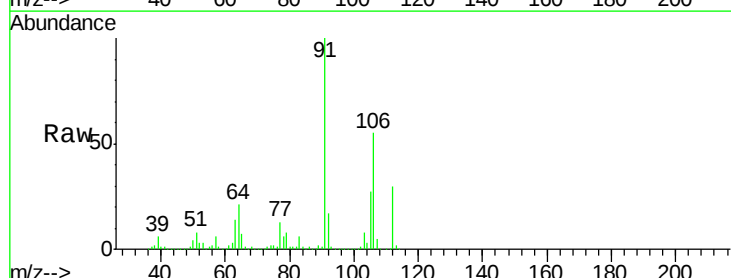
Tgt Ion:112 Resp: 658064

Ion Ratio Lower Upper

112 100

64 67.7 57.9 86.9

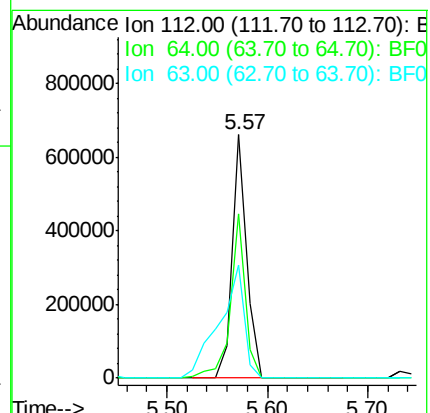
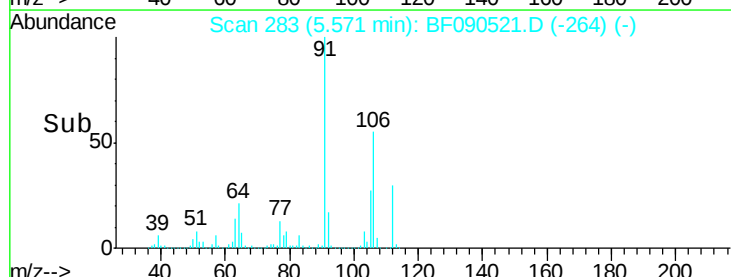
63 46.3 29.6 44.4#

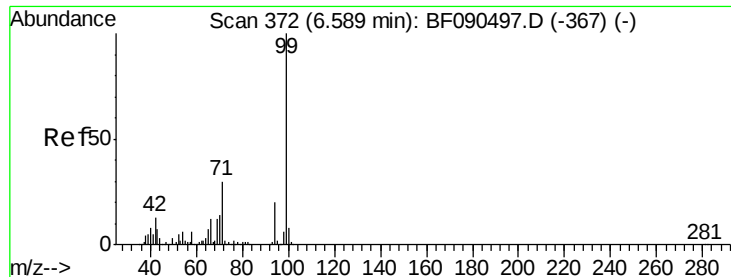


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.16 ng

RT: 6.60 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

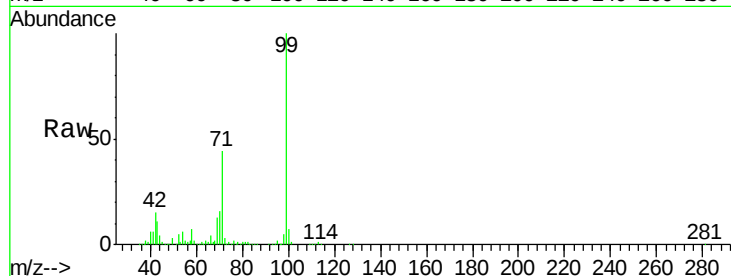
Tot Ion: 99 Resp: 778538

Ion Ratio Lower Upper

99 100

42 14.6 20.0 30.0#

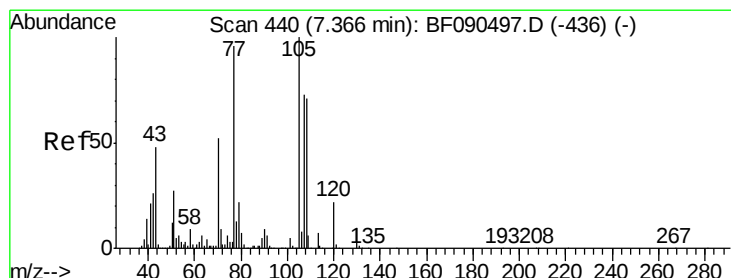
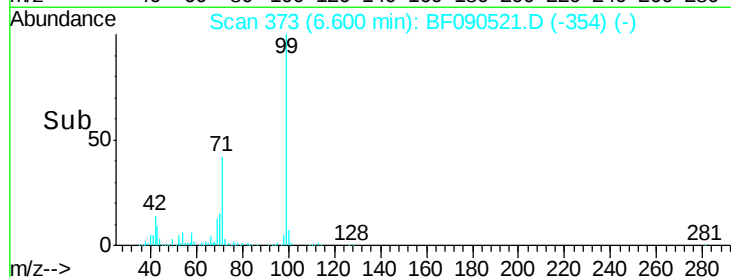
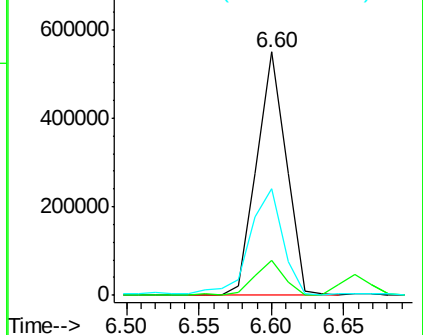
71 43.6 27.9 41.9#



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



#20

3+4-Methylphenols

Concen: 4.65 ng

RT: 7.39 min Scan# 442

Delta R.T. 0.02 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Tgt Ion: 107 Resp: 71119

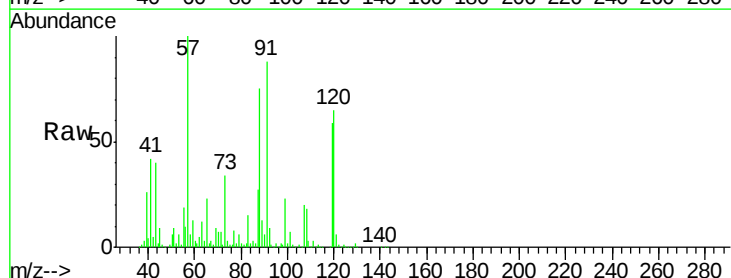
Ion Ratio Lower Upper

107 100

108 89.6 66.7 106.7

77 38.7 53.7 93.7#

79 30.4 8.4 48.4

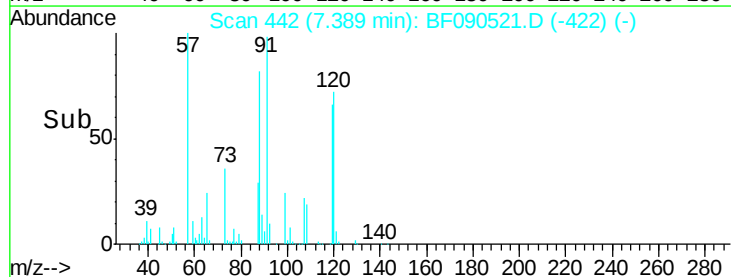
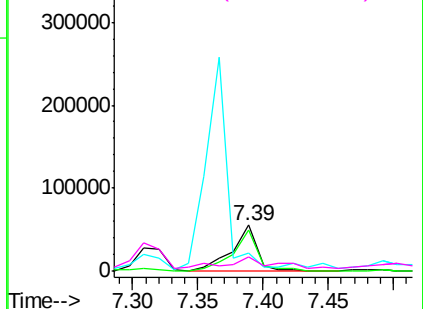


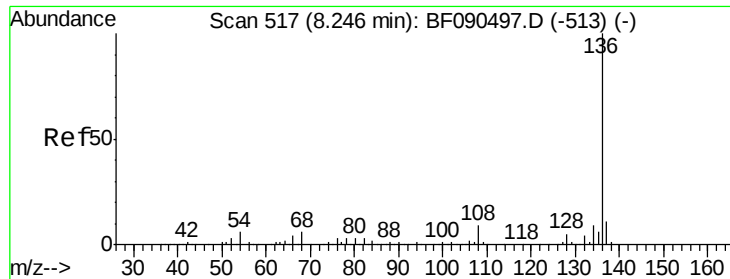
Abundance Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

Tot Ion:136 Resp: 845849

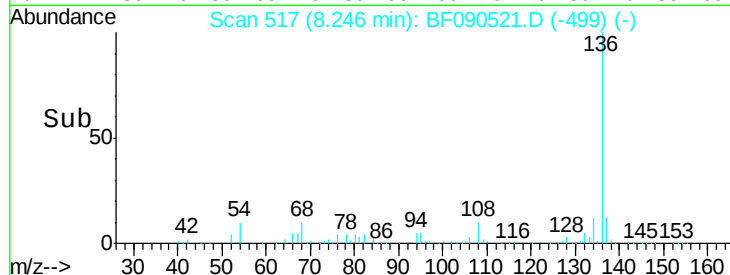
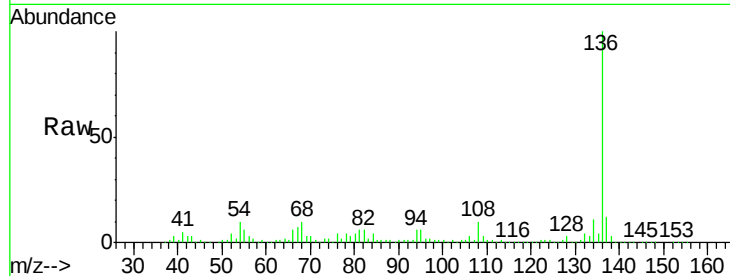
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 9.9 6.6 10.0

68 9.8 5.0 7.6#

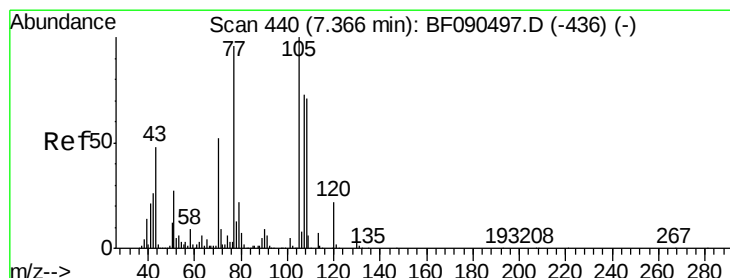
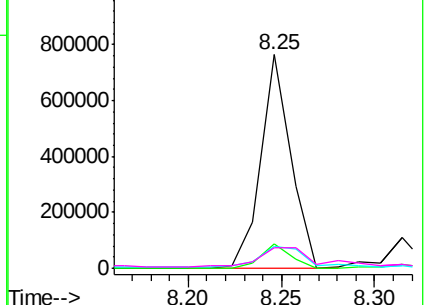


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.84 ng

RT: 7.37 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Tgt Ion:105 Resp: 388122

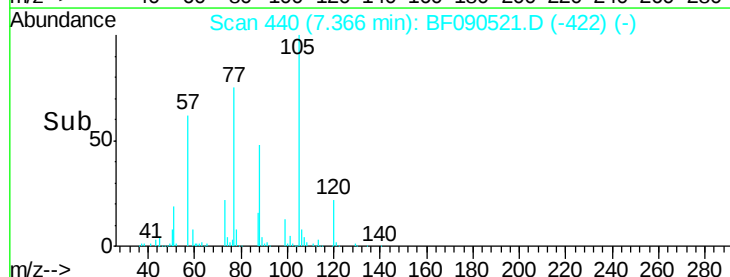
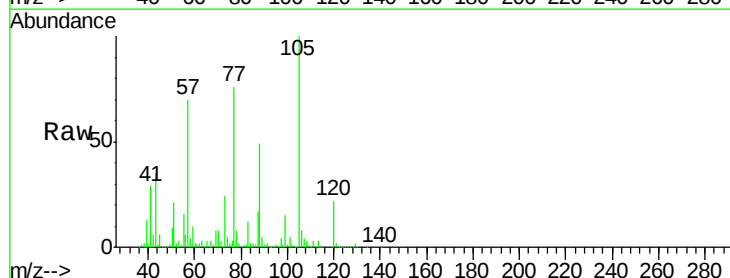
Ion Ratio Lower Upper

105 100

71 3.4 3.8 5.6#

51 21.4 28.2 42.4#

120 22.1 17.4 26.2

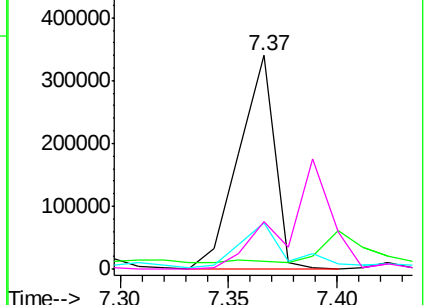


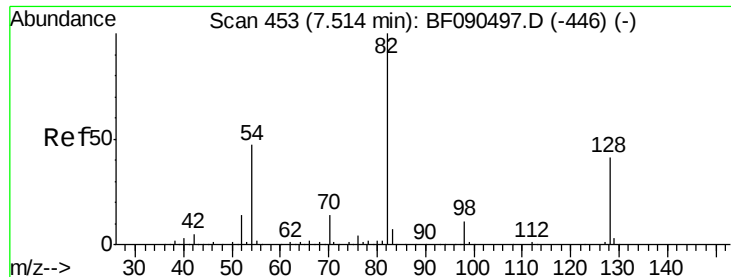
Abundance Ion 105.00 (104.70 to 105.70): E

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

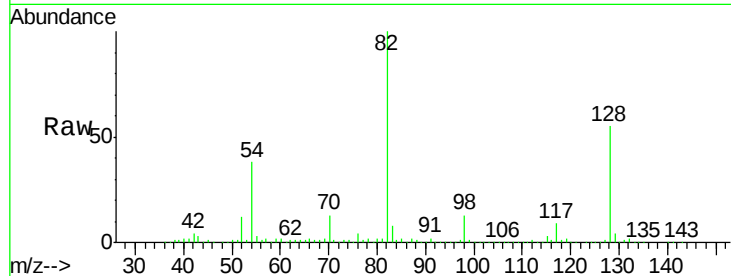




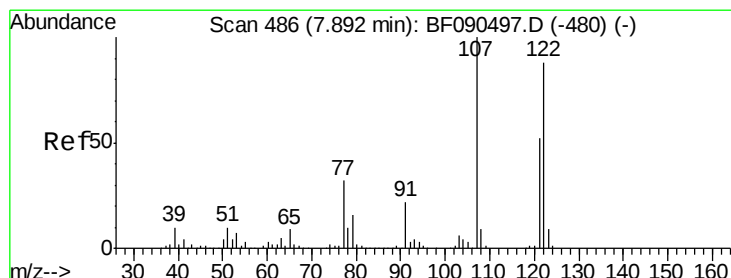
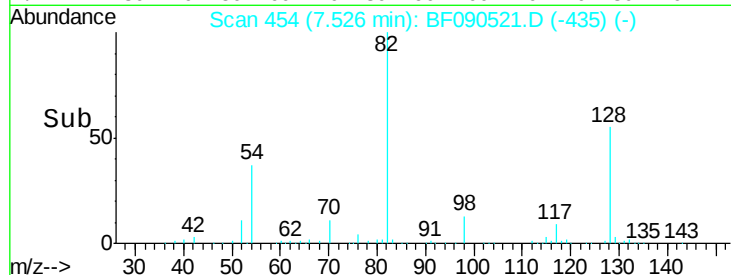
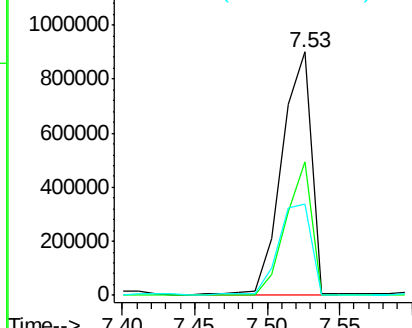
#23
Nitrobenzene-d5
Concen: 80.74 ng
RT: 7.53 min Scan# 454
Delta R.T. 0.01 min
Lab File: BF090521.D
Acq: 12 Oct 2016 00:02

Instrument :
BNA_F
ClientSampled :
S8-0615

Tot Ion: 82 Resp: 1259163
Ion Ratio Lower Upper
82 100
128 54.8 40.0 60.0
54 37.5 42.6 64.0#

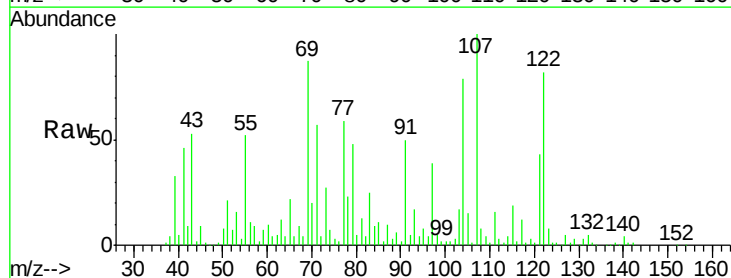


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

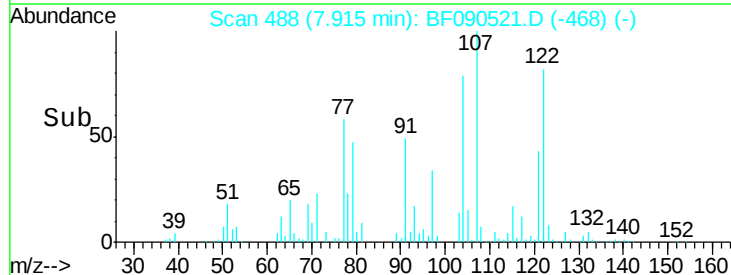
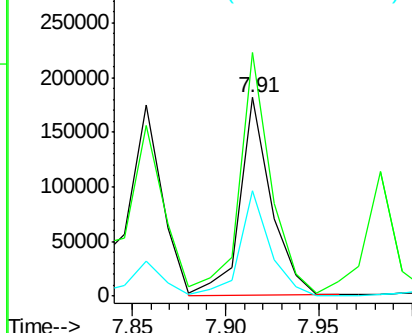


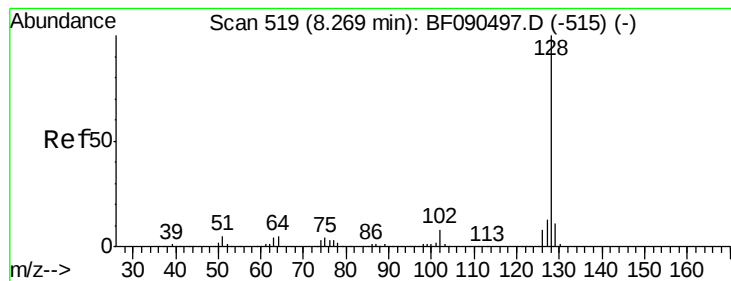
#27
2,4-Dimethylphenol
Concen: 16.20 ng
RT: 7.91 min Scan# 488
Delta R.T. 0.02 min
Lab File: BF090521.D
Acq: 12 Oct 2016 00:02

Tgt Ion:122 Resp: 210130
Ion Ratio Lower Upper
122 100
107 122.7 88.6 132.8
121 53.0 47.5 71.3



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





#31

Naphthalene

Concen: 50.70 ng

RT: 8.27 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

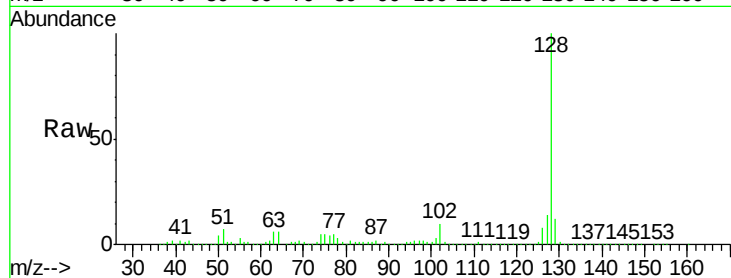
Tot Ion:128 Resp: 2136423

Ion Ratio Lower Upper

128 100

129 12.2 9.7 14.5

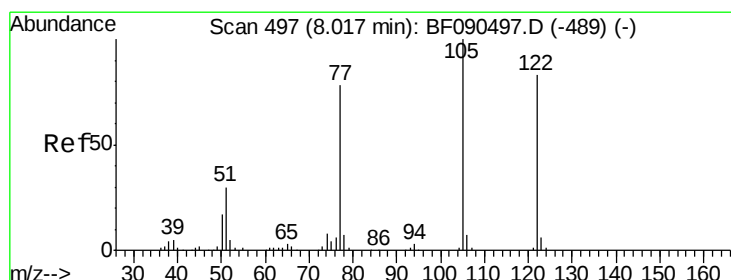
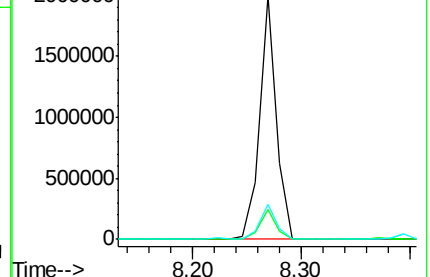
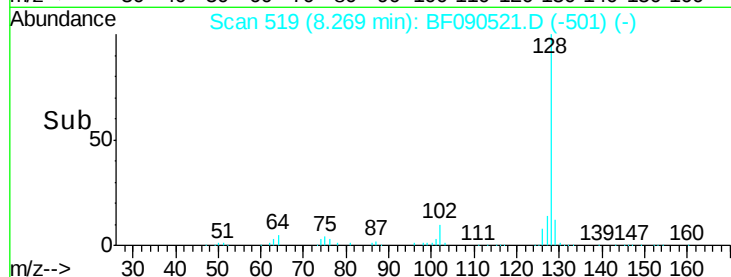
127 14.2 11.7 17.5



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: 37.23 ng

RT: 8.15 min Scan# 509

Delta R.T. 0.14 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

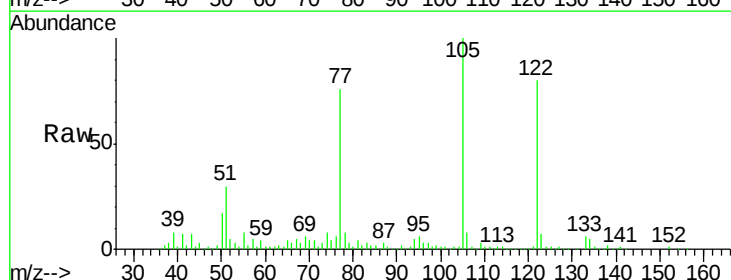
Tgt Ion:122 Resp: 381202

Ion Ratio Lower Upper

122 100

105 125.0 103.9 143.9

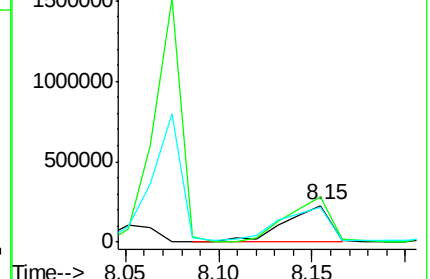
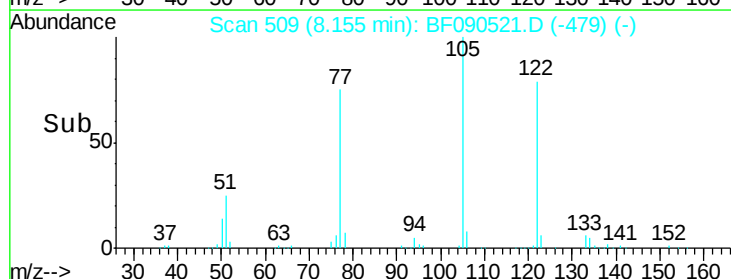
77 95.5 74.6 114.6

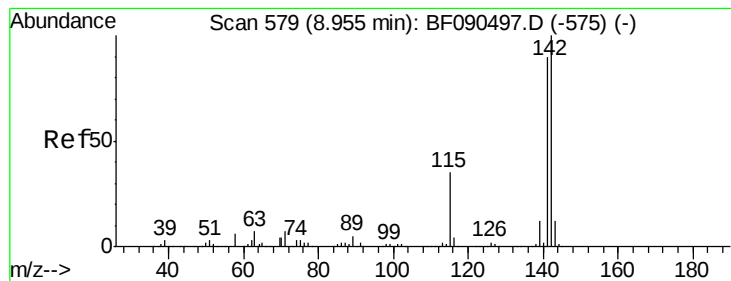


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 17.15 ng

RT: 8.97 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

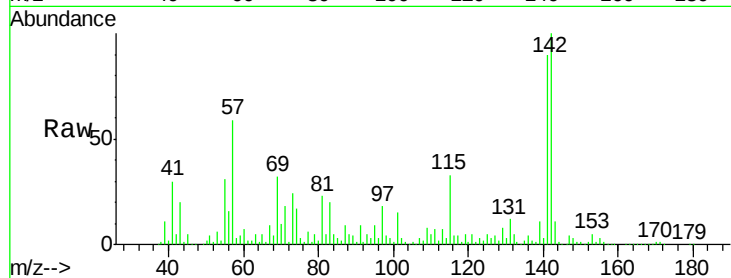
Tot Ion:142 Resp: 485201

Ion Ratio Lower Upper

142 100

141 89.7 71.8 107.8

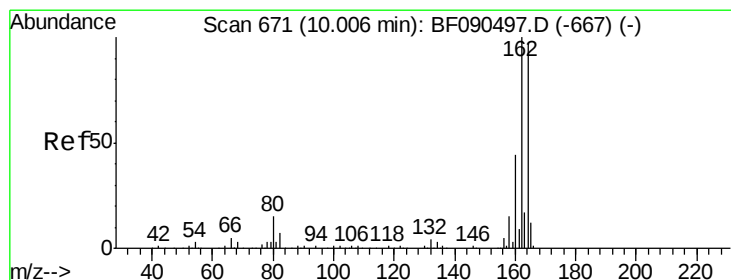
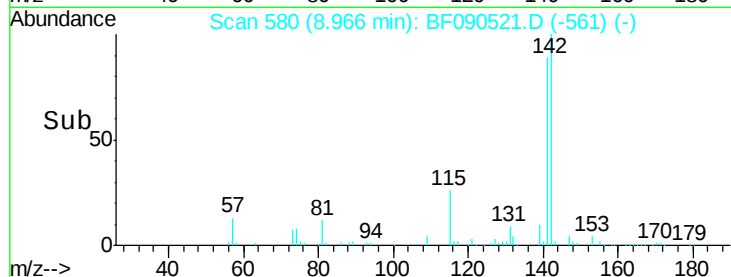
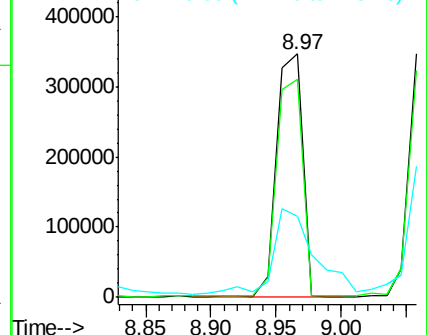
115 33.3 28.8 43.2



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: BF090521.D

Acq: 12 Oct 2016 00:02

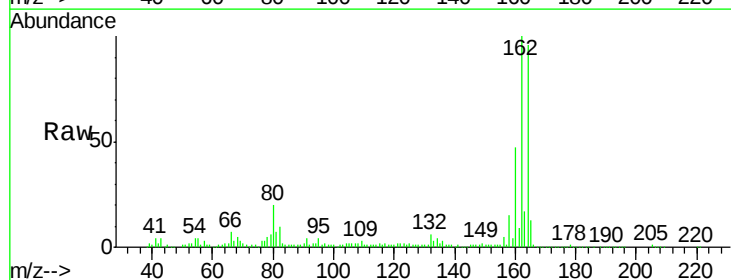
Tgt Ion:164 Resp: 494297

Ion Ratio Lower Upper

164 100

162 103.7 80.1 120.1

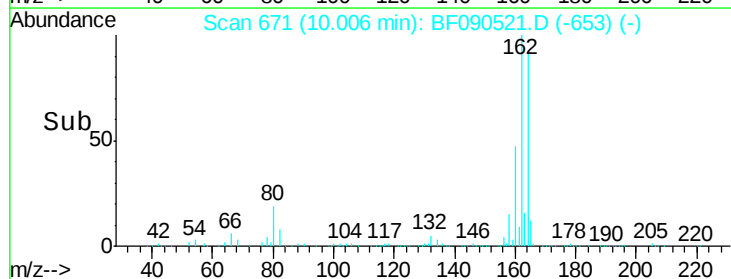
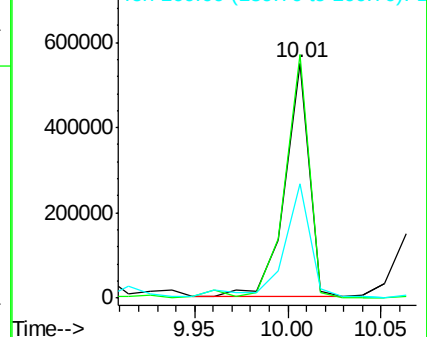
160 48.8 36.3 54.5

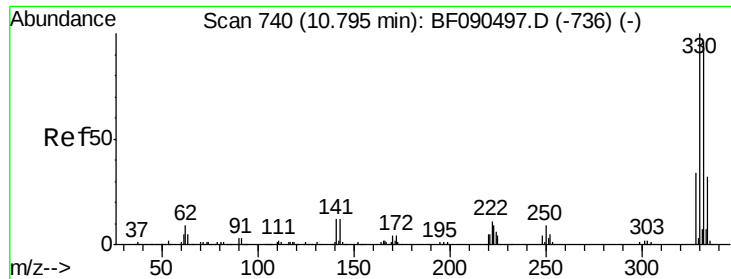


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

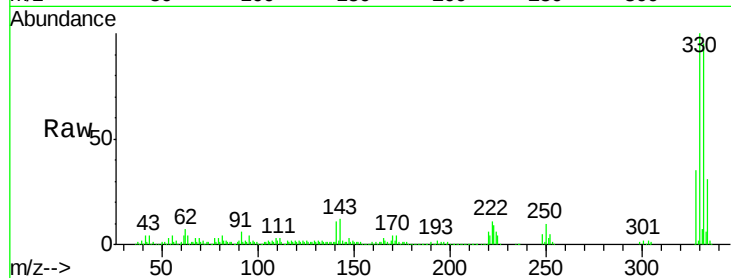




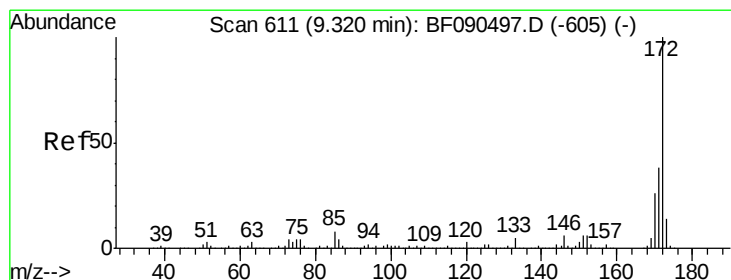
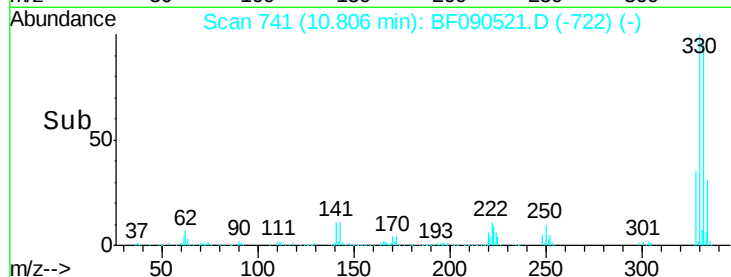
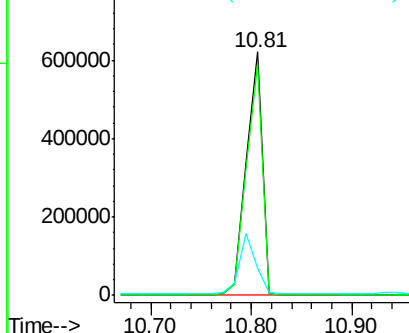
#41
 2,4,6-Tribromophenol
 Concen: 140.00 ng
 RT: 10.81 min Scan# 741
 Delta R.T. 0.01 min
 Lab File: BF090521.D
 Acq: 12 Oct 2016 00:02

Instrument :
 BNA_F
 ClientSampleId :
 S8-0615

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.4	113.0
141	26.1	26.9	40.3

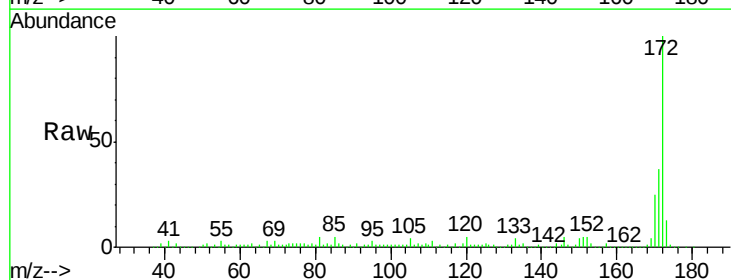


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

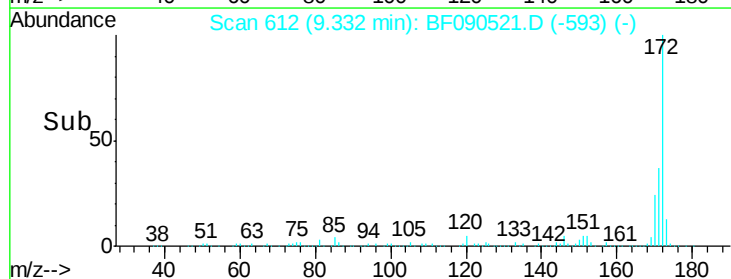
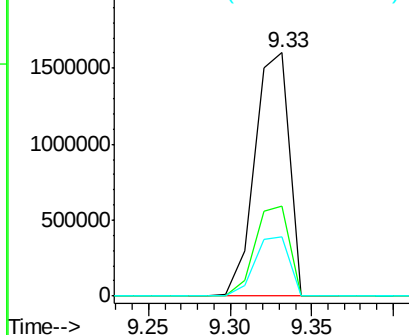


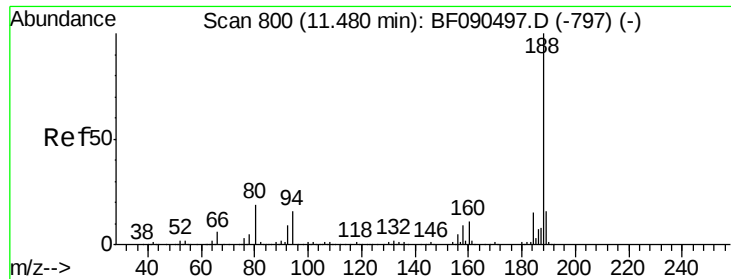
#44
 2-Fluorobiphenyl
 Concen: 79.73 ng
 RT: 9.33 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF090521.D
 Acq: 12 Oct 2016 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	31.8	47.8
170	24.5	21.7	32.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

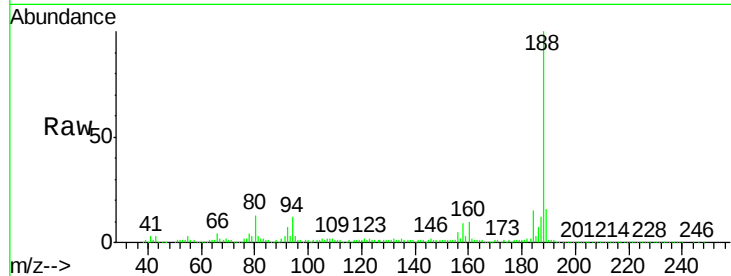




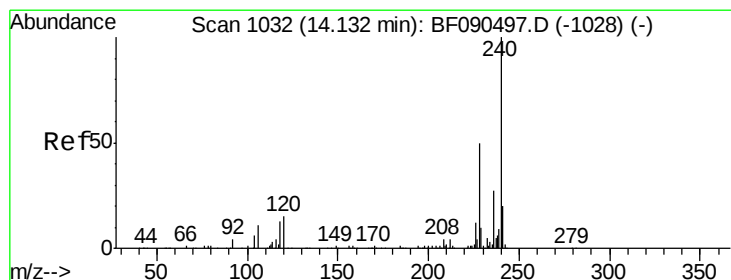
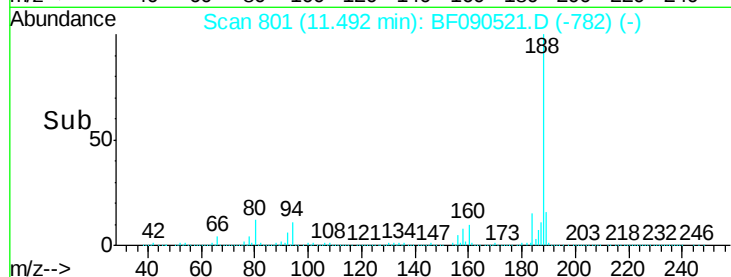
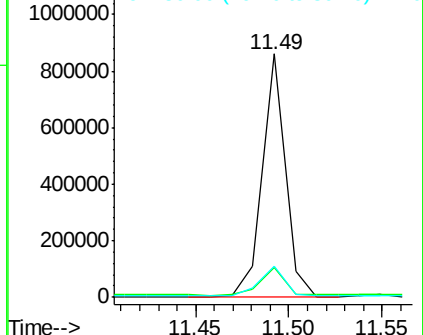
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090521.D
Acq: 12 Oct 2016 00:02

Instrument :
BNA_F
ClientSampleId :
S8-0615

Tot Ion:188 Resp: 726386
Ion Ratio Lower Upper
188 100
94 12.1 8.2 12.2
80 12.8 8.8 13.2

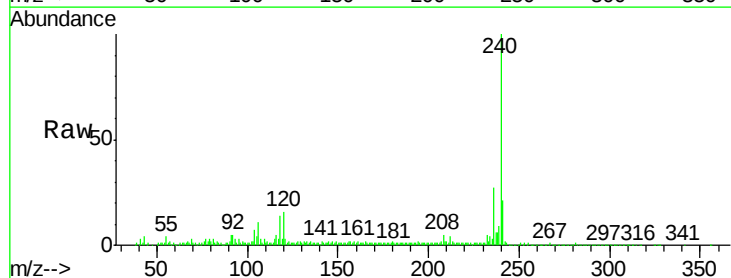


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

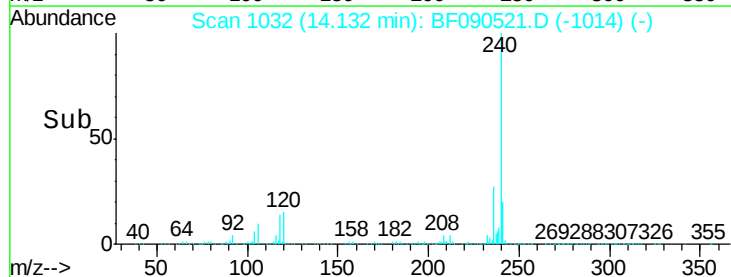
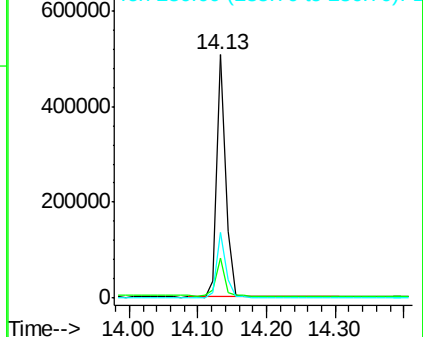


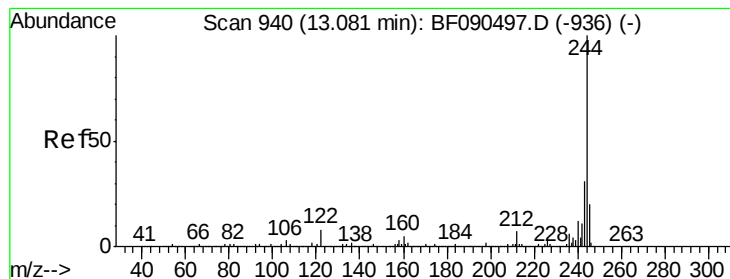
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF090521.D
Acq: 12 Oct 2016 00:02

Tgt Ion:240 Resp: 471713
Ion Ratio Lower Upper
240 100
120 16.2 8.6 13.0#
236 27.2 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 92.01 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

Instrument :

BNA_F

ClientSampleId :

S8-0615

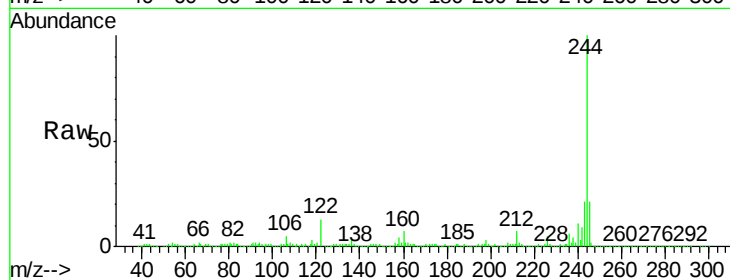
Tot Ion:244 Resp: 1776100

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.8	10.2
122	13.2	13.3	19.9

244 100

212 7.2 6.8 10.2

122 13.2 13.3 19.9



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

13.08

2500000

2000000

1500000

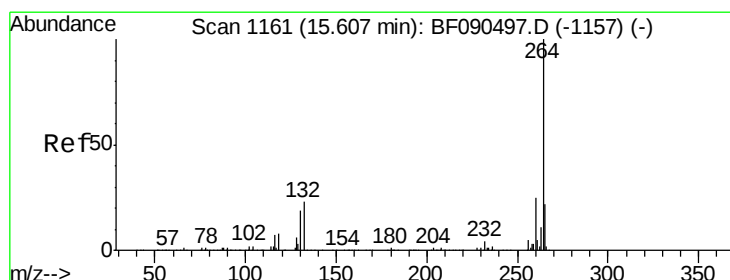
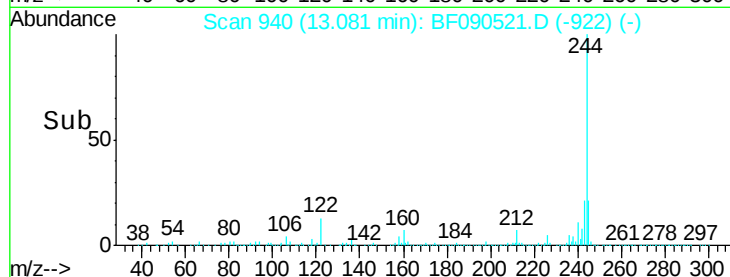
1000000

500000

0

Time-->

13.00 13.10 13.20



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF090521.D

Acq: 12 Oct 2016 00:02

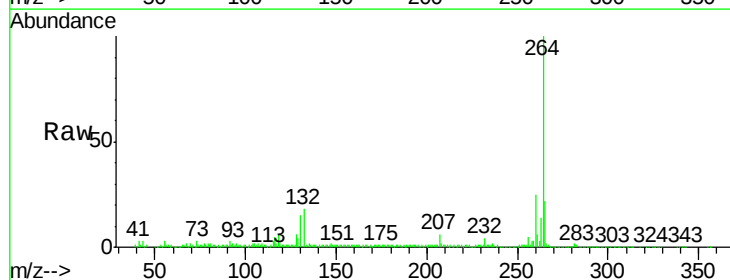
Tgt Ion:264 Resp: 387814

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	21.7	17.4	26.0

264 100

260 24.7 19.3 28.9

265 21.7 17.4 26.0



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

15.62

400000

300000

200000

100000

0

Time-->

15.50 15.60 15.70

