

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090516.D
 Acq On : 11 Oct 2016 21:46
 Operator : UM/SJ
 Sample : H5146-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

Quant Time: Oct 12 00:59:57 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	210634	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	791891	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	458713	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	744263	20.00	ng	0.01
75) Chrysene-d12	14.13	240	526559	20.00	ng	0.00
86) Perylene-d12	15.61	264	379634	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	587586	43.40	ng	0.00
7) Phenol-d6	6.58	99	502288	29.40	ng	-0.01
23) Nitrobenzene-d5	7.51	82	1168048	80.00	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	461786	101.56	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1982525	72.63	ng	0.00
78) Terphenyl-d14	13.08	244	1887543	87.60	ng	0.00

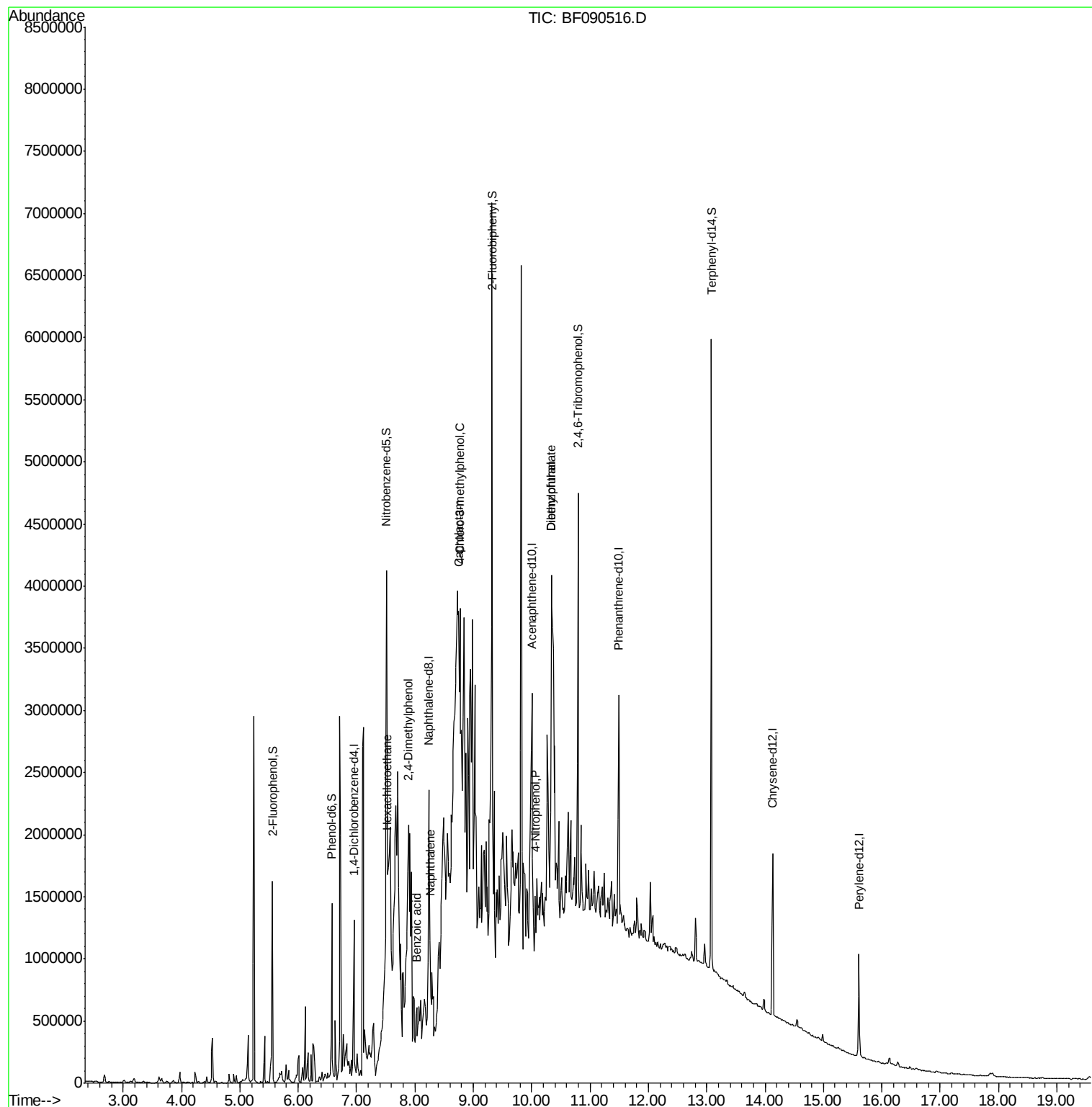
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.53	117	57602	9.85	ng	# 26
27) 2,4-Dimethylphenol	7.89	122	28043	2.31	ng	93
31) Naphthalene	8.26	128	212305	5.38	ng	98
32) Benzoic acid	8.03	122	77459	8.08	ng	# 15
35) Caprolactam	8.75	113	287032	87.16	ng	# 18
36) 4-Chloro-3-methylphenol	8.77	107	38710	3.26	ng	# 36
54) Dibenzofuran	10.34	168	83557	2.23	ng	93
55) 4-Nitrophenol	10.06	139	16193	2.47	ng	# 1
59) Diethylphthalate	10.34	149	757931	24.16	ng	# 67

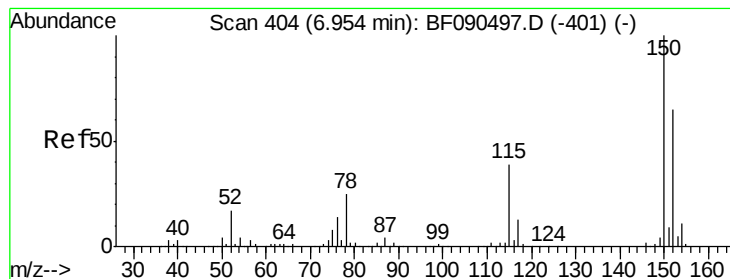
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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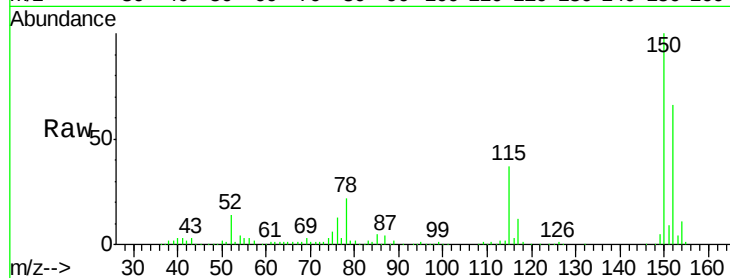




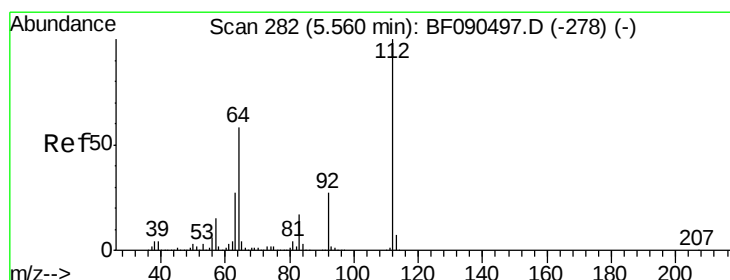
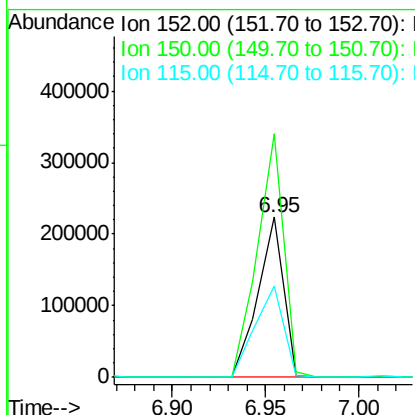
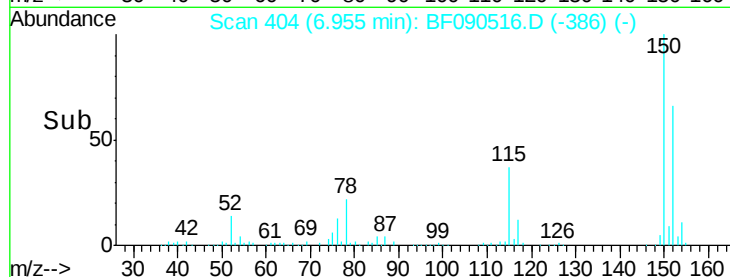
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.95 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

Tgt Ion:152 Resp: 210634
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.6 186.8
 115 56.8 46.2 69.4

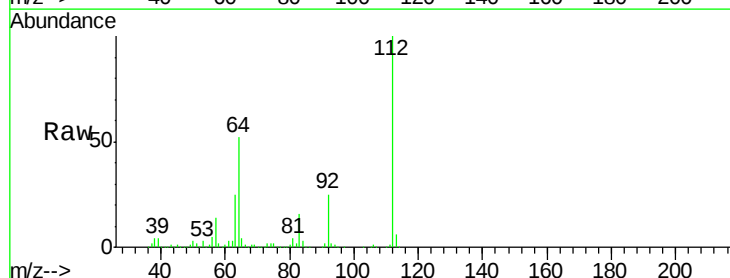


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

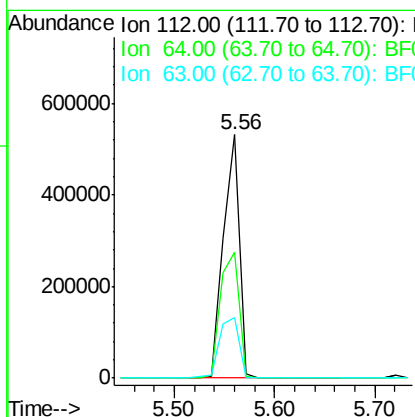
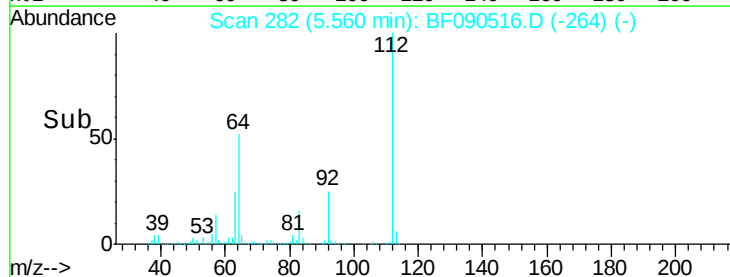


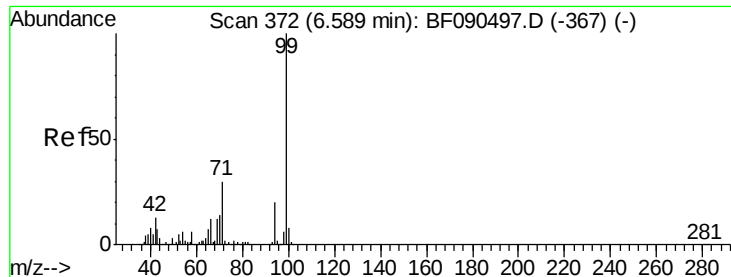
#5
 2-Fluorophenol
 Concen: 43.40 ng
 RT: 5.56 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

Tgt Ion:112 Resp: 587586
 Ion Ratio Lower Upper
 112 100
 64 51.5 57.9 86.9#
 63 24.7 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: 29.40 ng

RT: 6.58 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF090516.D

Acq: 11 Oct 2016 21:46

Instrument :

BNA_F

ClientSampleId :

S8-0619

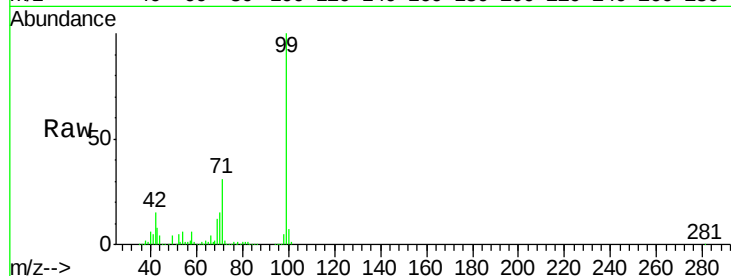
Tgt Ion: 99 Resp: 502288

Ion Ratio Lower Upper

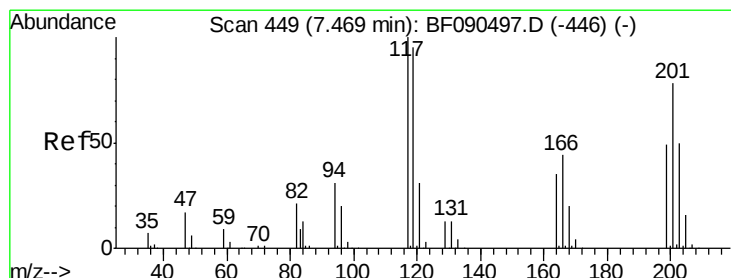
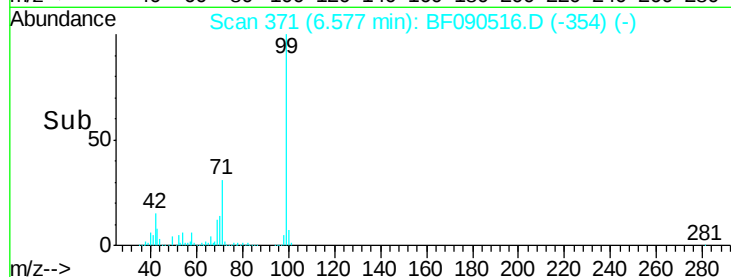
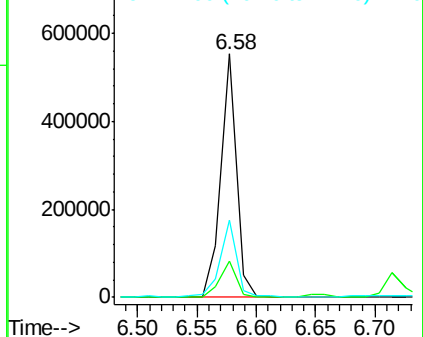
99 100

42 14.7 20.0 30.0#

71 31.5 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



#18

Hexachloroethane

Concen: 9.85 ng

RT: 7.53 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF090516.D

Acq: 11 Oct 2016 21:46

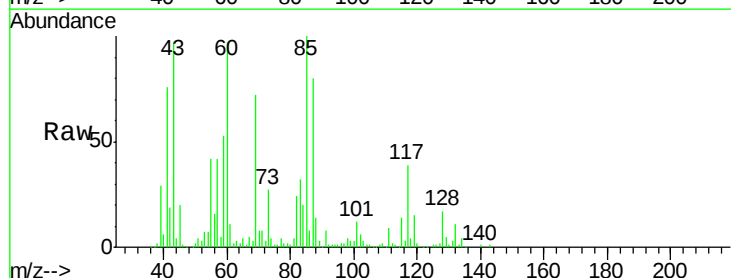
Tgt Ion: 117 Resp: 57602

Ion Ratio Lower Upper

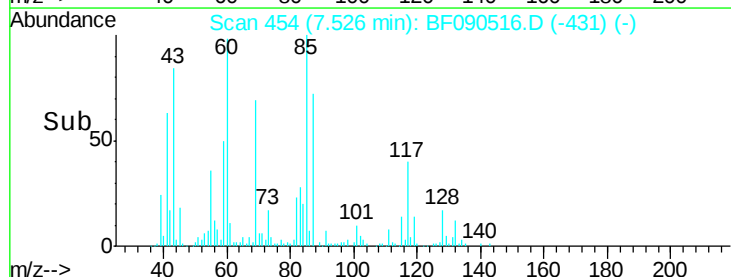
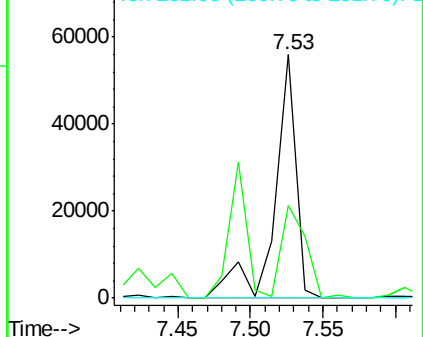
117 100

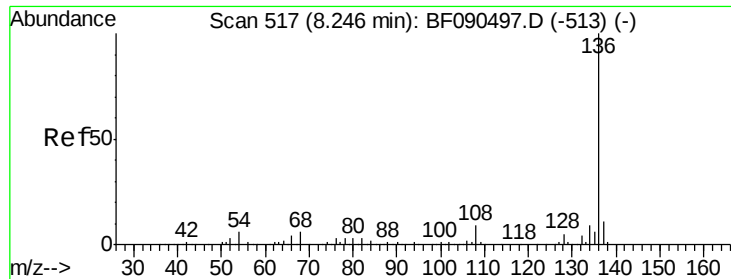
119 37.8 75.9 113.9#

201 0.0 66.5 99.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

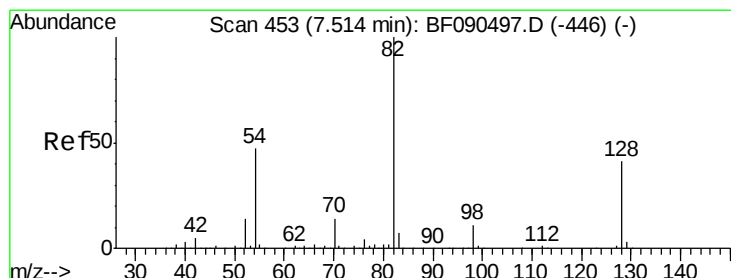
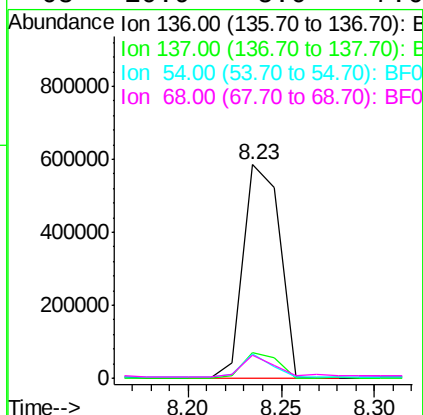
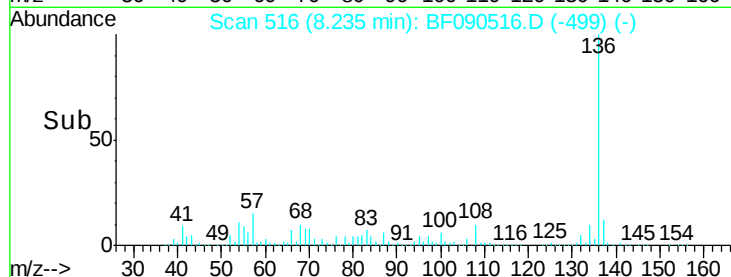
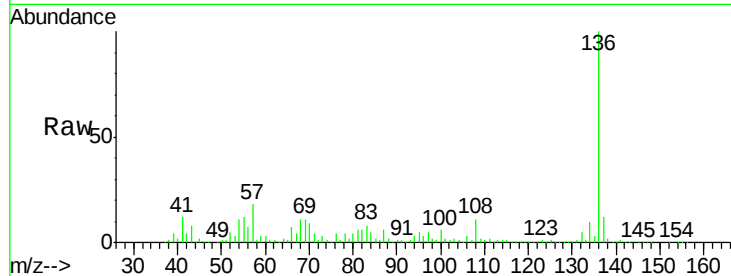




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

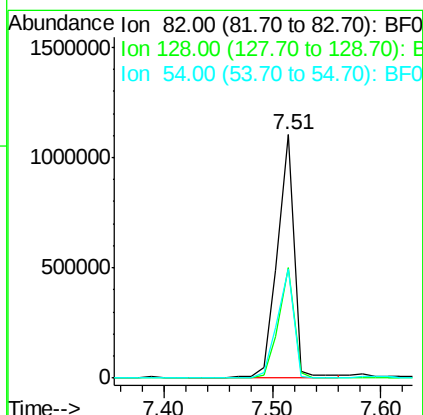
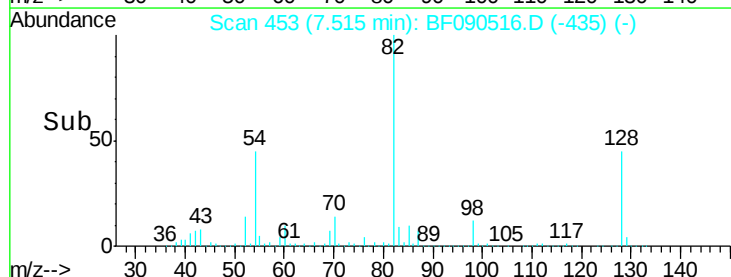
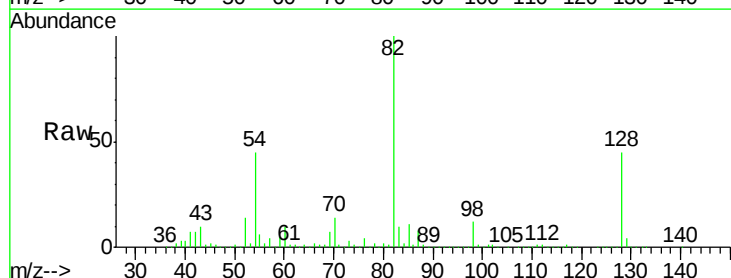
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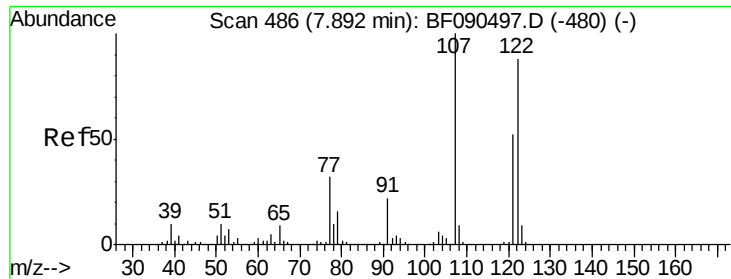
Tgt Ion:	136	Resp:	791891
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	11.2	6.6	10.0#
68	10.9	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 80.00 ng
RT: 7.51 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Tgt Ion:	82	Resp:	1168048
Ion	Ratio	Lower	Upper
82	100		
128	45.2	40.0	60.0
54	44.9	42.6	64.0

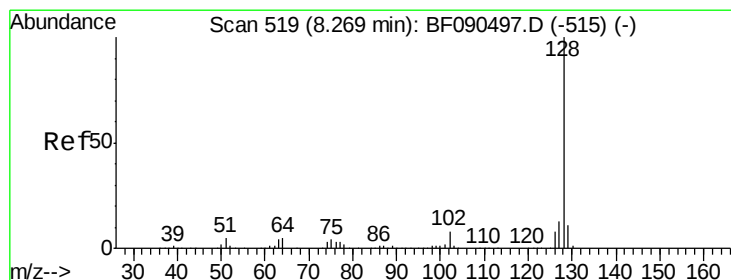
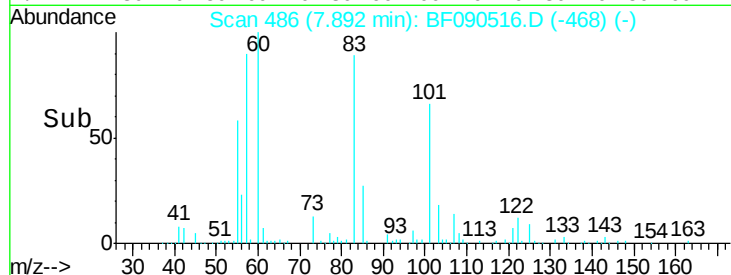
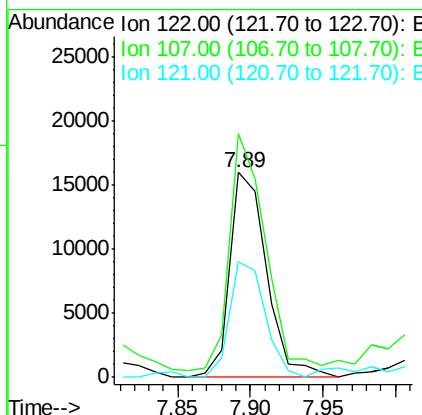
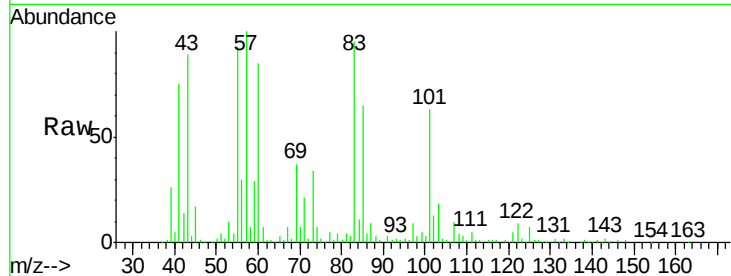




#27
 2,4-Dimethylphenol
 Concen: 2.31 ng
 RT: 7.89 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

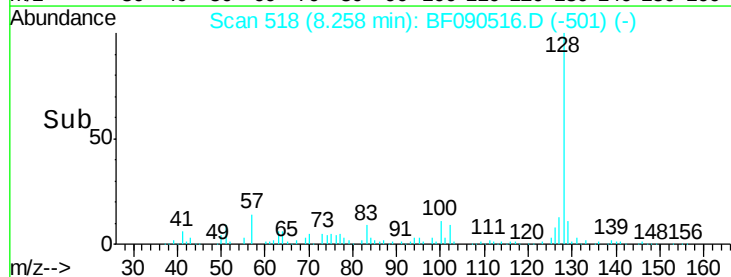
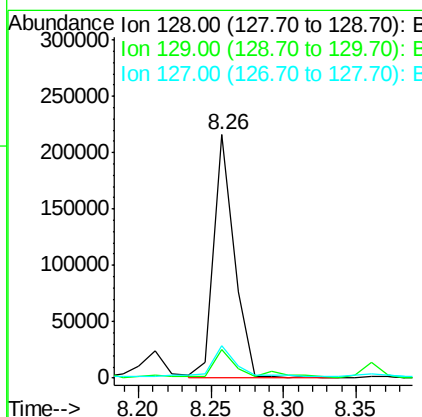
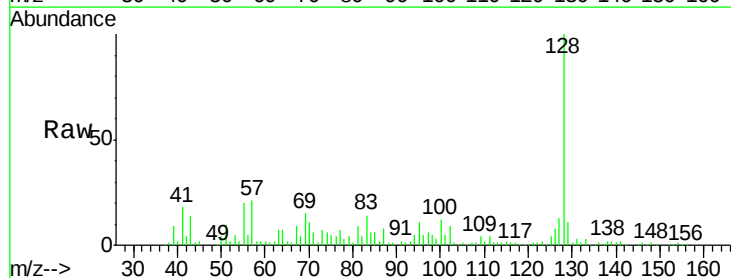
Instrument :
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 ClientSampleId :
 S8-0619

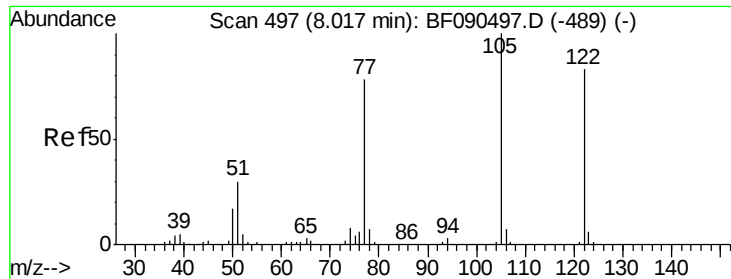
Tgt Ion:122 Resp: 28043
 Ion Ratio Lower Upper
 122 100
 107 118.9 88.6 132.8
 121 56.2 47.5 71.3



#31
 Naphthalene
 Concen: 5.38 ng
 RT: 8.26 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

Tgt Ion:128 Resp: 212305
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.7 14.5
 127 13.4 11.7 17.5

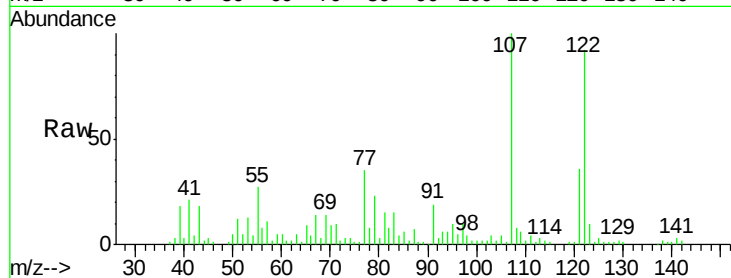




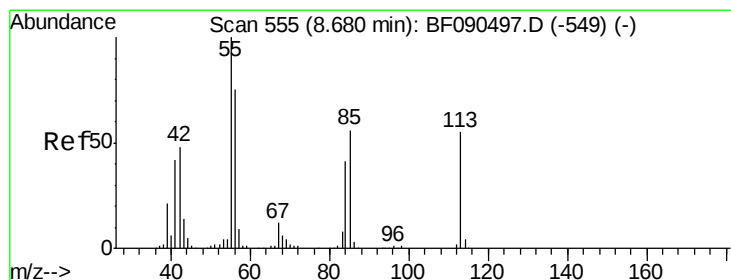
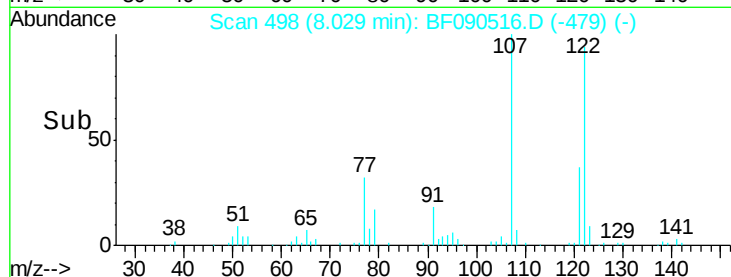
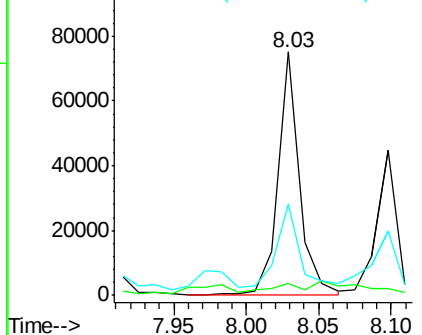
#32
Benzoic acid
Concen: 8.08 ng
RT: 8.03 min Scan# 498
Delta R.T. 0.01 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Instrument :
BNA_F
ClientSampleId :
S8-0619

Tgt Ion:122 Resp: 77459
Ion Ratio Lower Upper
122 100
105 4.9 103.9 143.9#
77 37.5 74.6 114.6#

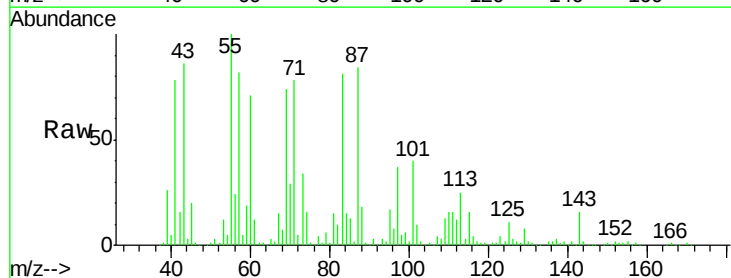


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

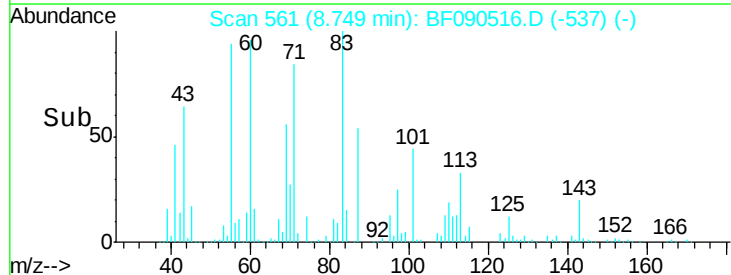
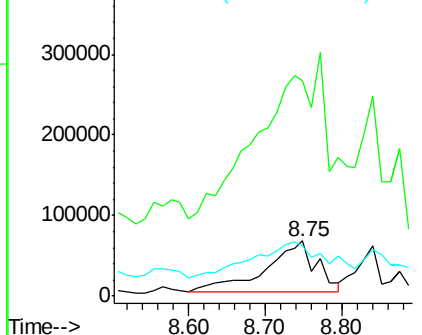


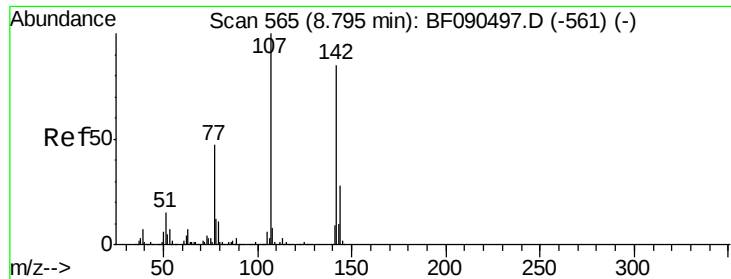
#35
Caprolactam
Concen: 87.16 ng
RT: 8.75 min Scan# 561
Delta R.T. 0.07 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Tgt Ion:113 Resp: 287032
Ion Ratio Lower Upper
113 100
55 392.9 203.3 243.3#
56 92.8 140.5 180.5#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 3.26 ng

RT: 8.77 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF090516.D

Acq: 11 Oct 2016 21:46

Instrument :

BNA_F

ClientSampleId :

S8-0619

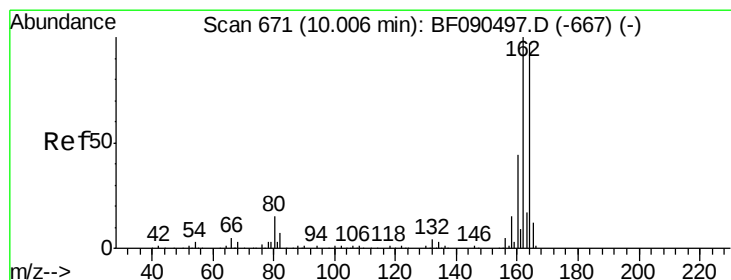
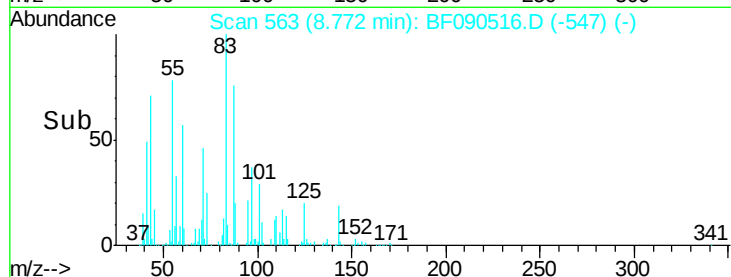
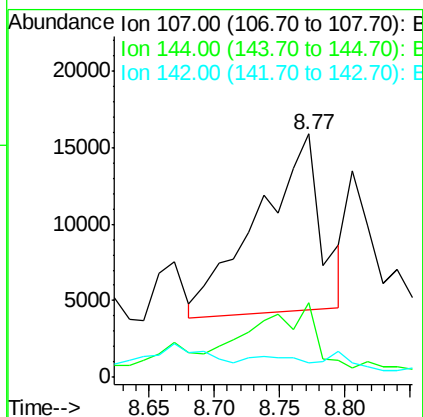
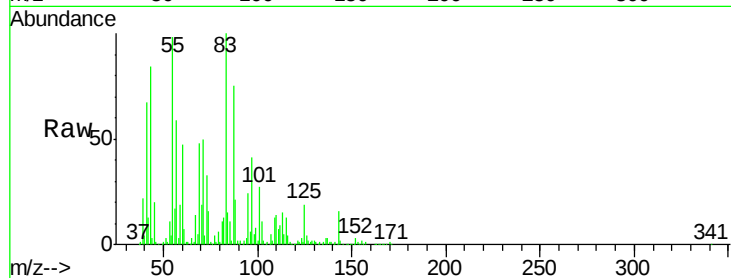
Tgt Ion:107 Resp: 38710

Ion Ratio Lower Upper

107 100

144 30.5 19.8 29.8#

142 6.0 60.7 91.1#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF090516.D

Acq: 11 Oct 2016 21:46

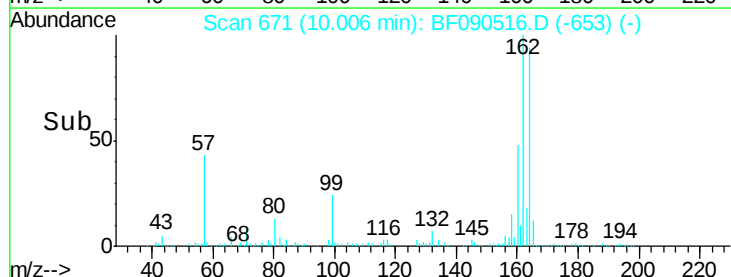
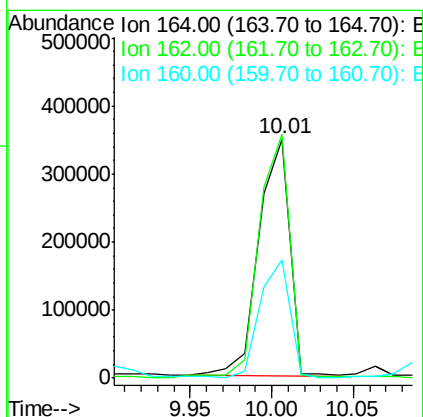
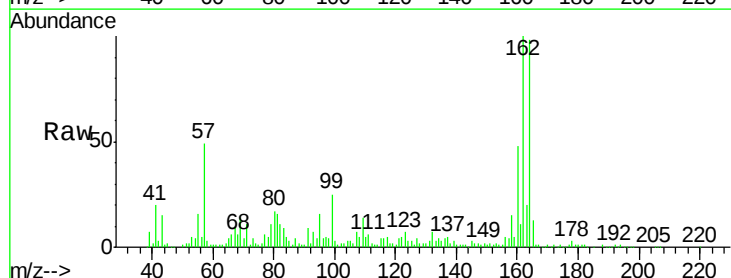
Tgt Ion:164 Resp: 458713

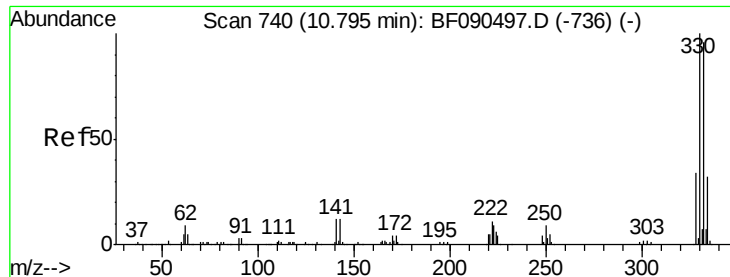
Ion Ratio Lower Upper

164 100

162 102.1 80.1 120.1

160 49.3 36.3 54.5

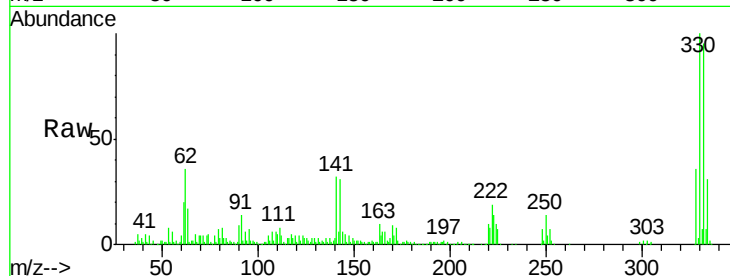




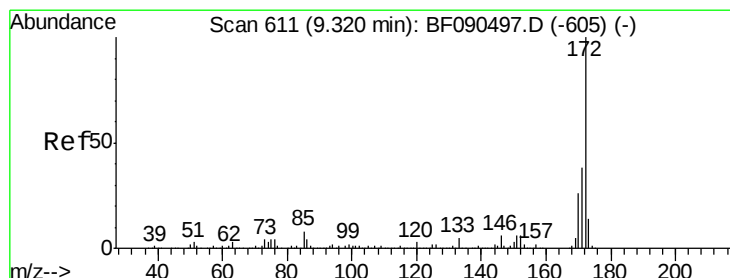
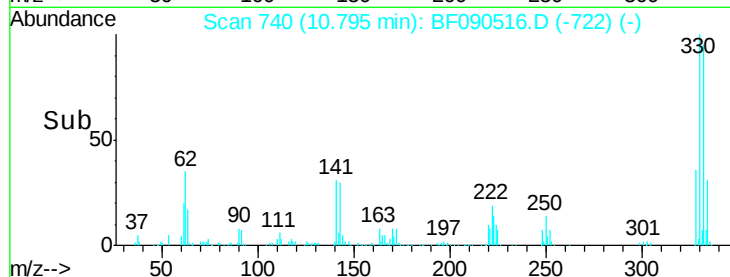
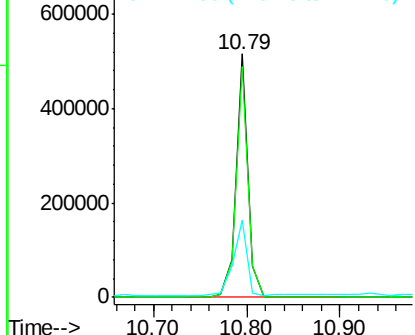
#41
 2,4,6-Tribromophenol
 Concen: 101.56 ng
 RT: 10.79 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

Instrument :
 BNA_F
 ClientSampleId :
 S8-0619

Tgt Ion:330 Resp: 461786
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.4 113.0
 141 35.6 26.9 40.3

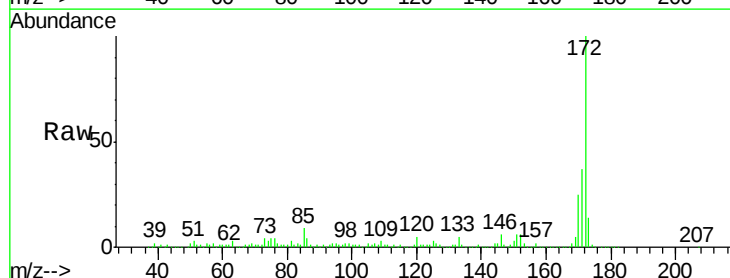


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

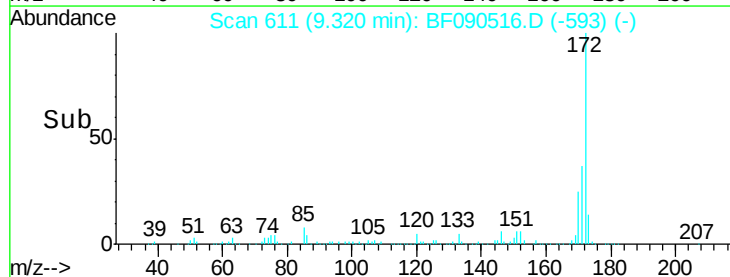
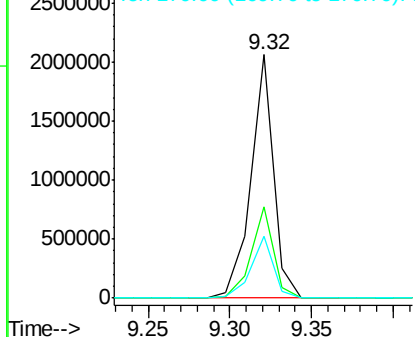


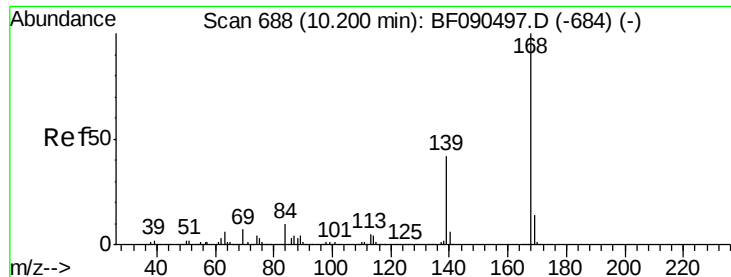
#44
 2-Fluorobiphenyl
 Concen: 72.63 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090516.D
 Acq: 11 Oct 2016 21:46

Tgt Ion:172 Resp: 1982525
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.8 47.8
 170 25.5 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

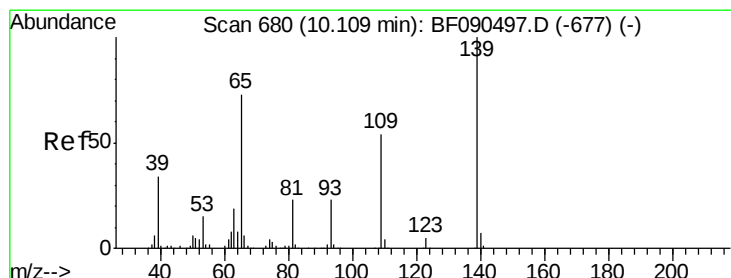
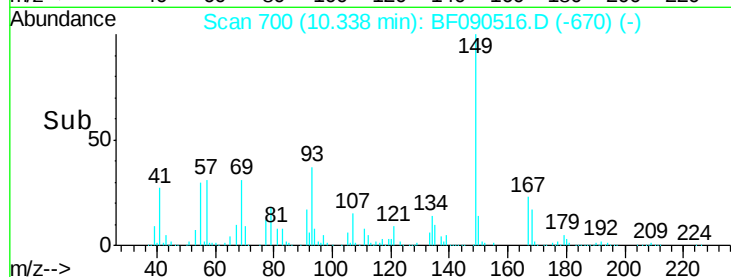
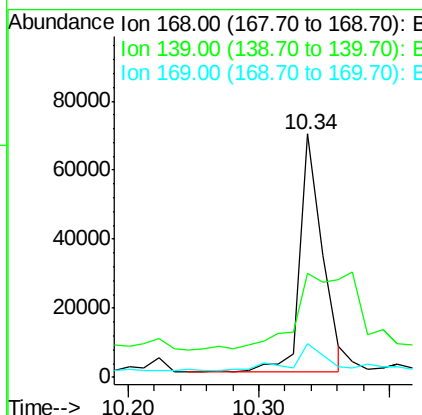
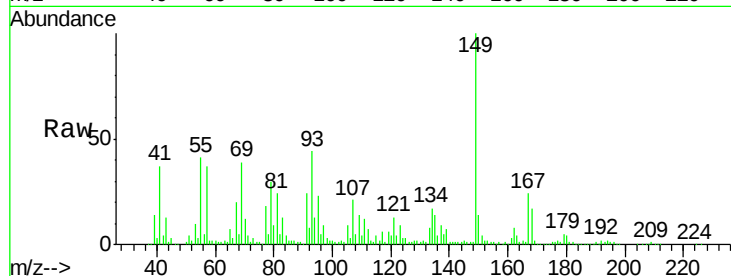




#54
Dibenzenofuran
Concen: 2.23 ng
RT: 10.34 min Scan# 700
Delta R.T. 0.14 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

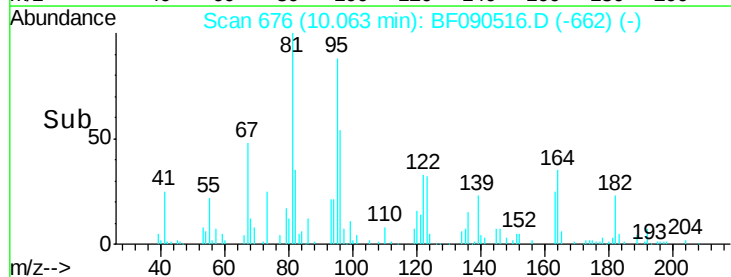
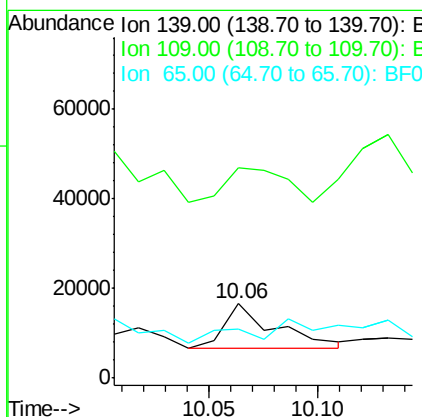
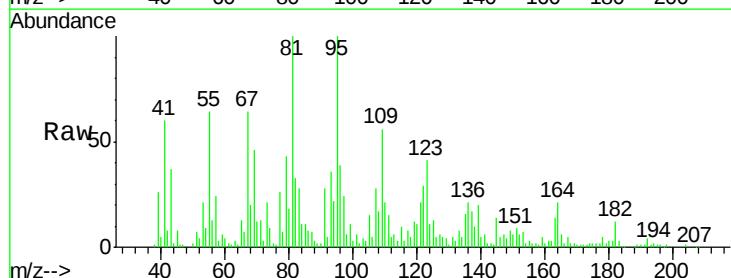
Instrument :
BNA_F
ClientSampleId :
S8-0619

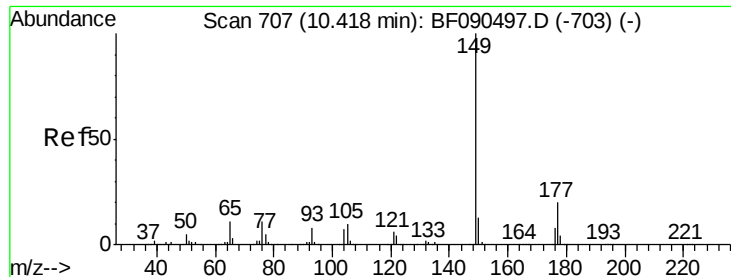
Tgt Ion:168 Resp: 83557
Ion Ratio Lower Upper
168 100
139 42.7 29.6 44.4
169 14.1 11.3 16.9



#55
4-Nitrophenol
Concen: 2.47 ng
RT: 10.06 min Scan# 676
Delta R.T. -0.05 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Tgt Ion:139 Resp: 16193
Ion Ratio Lower Upper
139 100
109 283.2 43.6 83.6#
65 66.2 87.5 127.5#

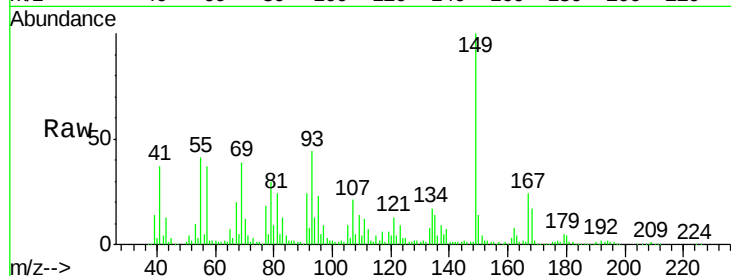




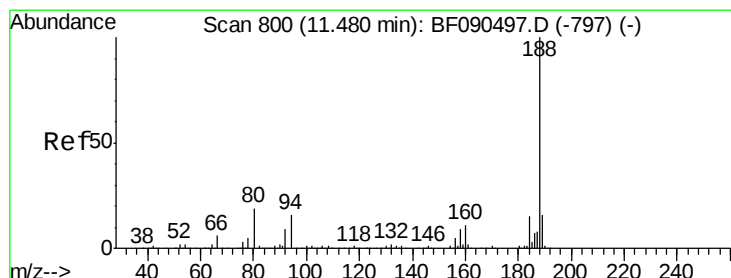
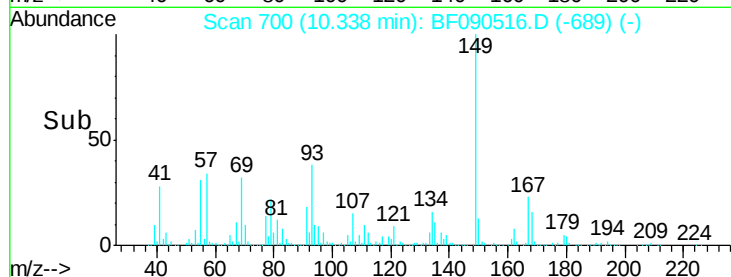
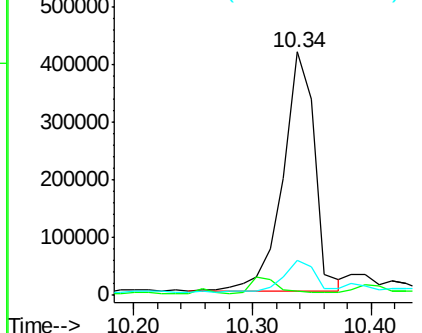
#59
Diethylphthalate
Concen: 24.16 ng
RT: 10.34 min Scan# 700
Delta R.T. -0.08 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Instrument :
BNA_F
ClientSampled :
S8-0619

Tgt Ion:149 Resp: 757931
Ion Ratio Lower Upper
149 100
177 1.9 21.1 31.7#
150 14.1 10.2 15.2

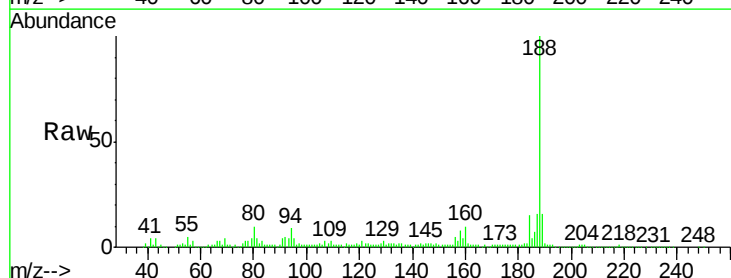


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

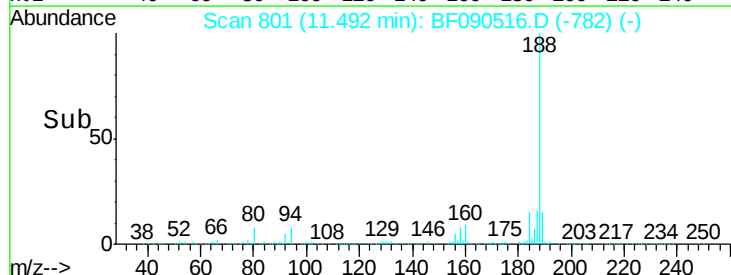
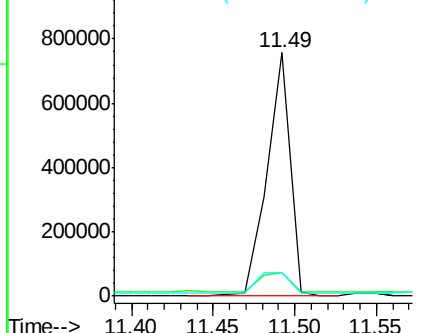


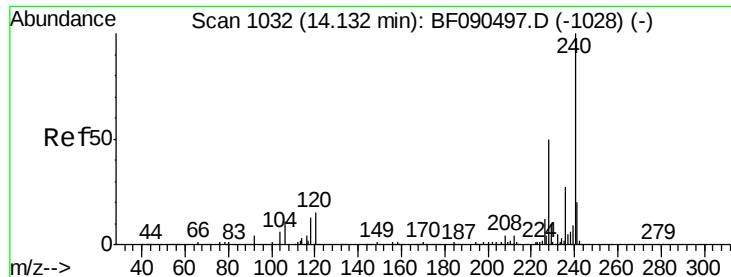
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Tgt Ion:188 Resp: 744263
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 9.7 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: BF090516.D

Acq: 11 Oct 2016 21:46

Instrument :

BNA_F

ClientSampleId :

S8-0619

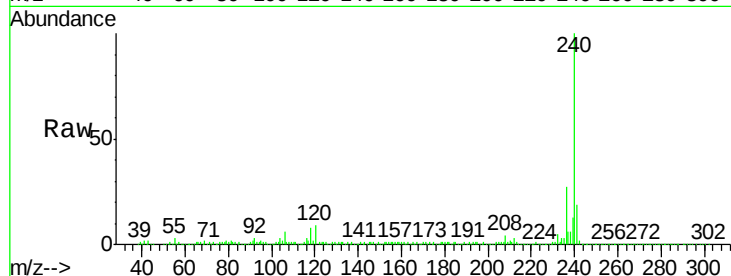
Tgt Ion:240 Resp: 526559

Ion Ratio Lower Upper

240 100

120 9.3 8.6 13.0

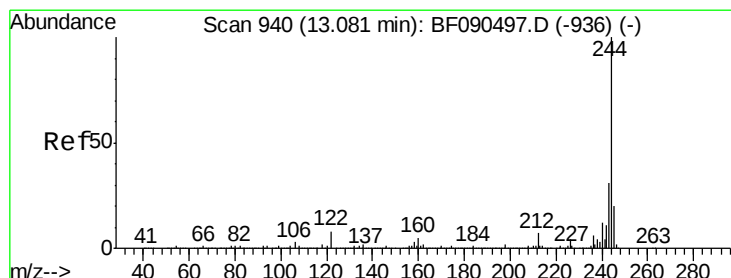
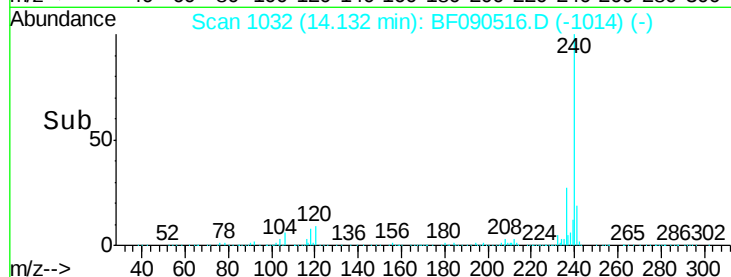
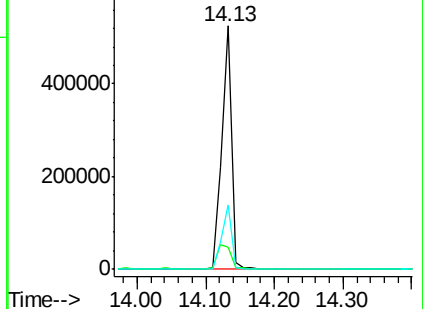
236 26.7 21.6 32.4



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: 87.60 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090516.D

Acq: 11 Oct 2016 21:46

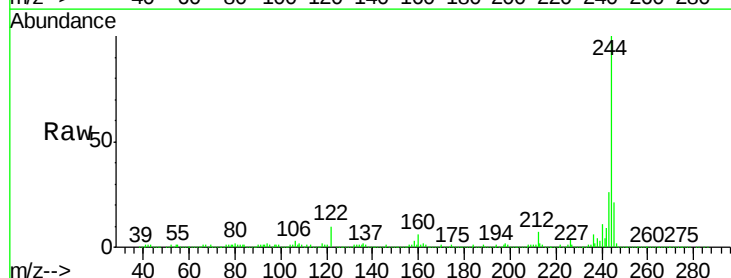
Tgt Ion:244 Resp: 1887543

Ion Ratio Lower Upper

244 100

212 6.9 6.8 10.2

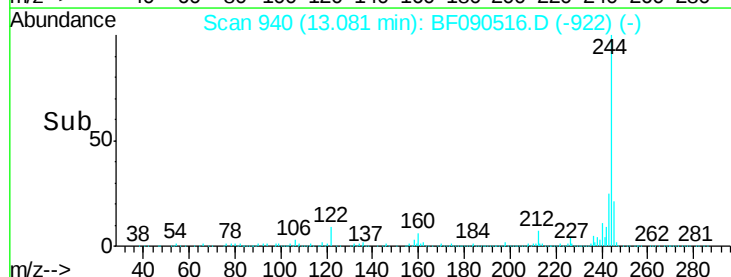
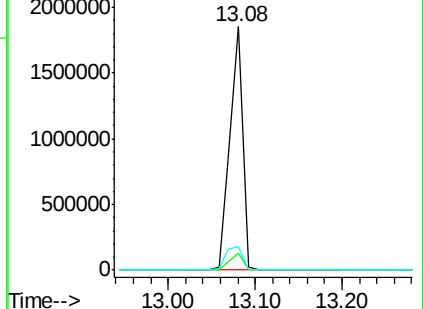
122 9.7 13.3 19.9#

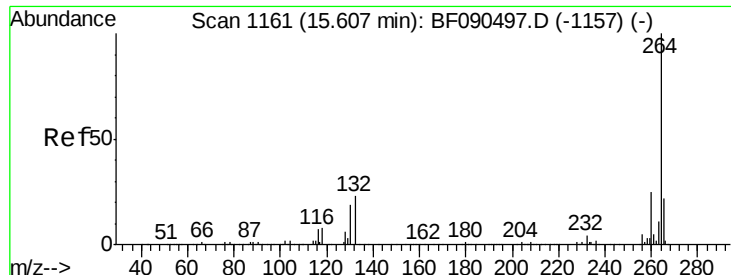


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



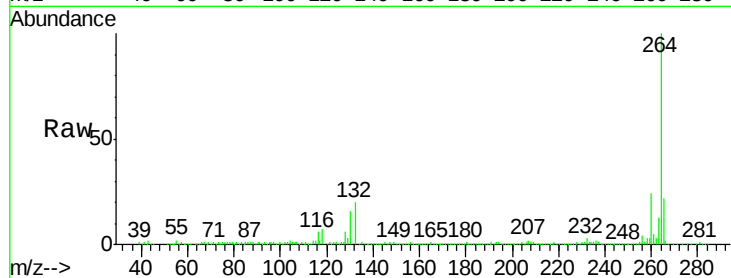


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF090516.D
Acq: 11 Oct 2016 21:46

Instrument :
BNA_F
ClientSampleId :
S8-0619

Tgt Ion: 264 Resp: 379634

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	21.8	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

