

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
 Data File : BF090523.D
 Acq On : 12 Oct 2016 1:24
 Operator : UM/SJ
 Sample : H5146-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

Quant Time: Oct 12 02:06:17 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

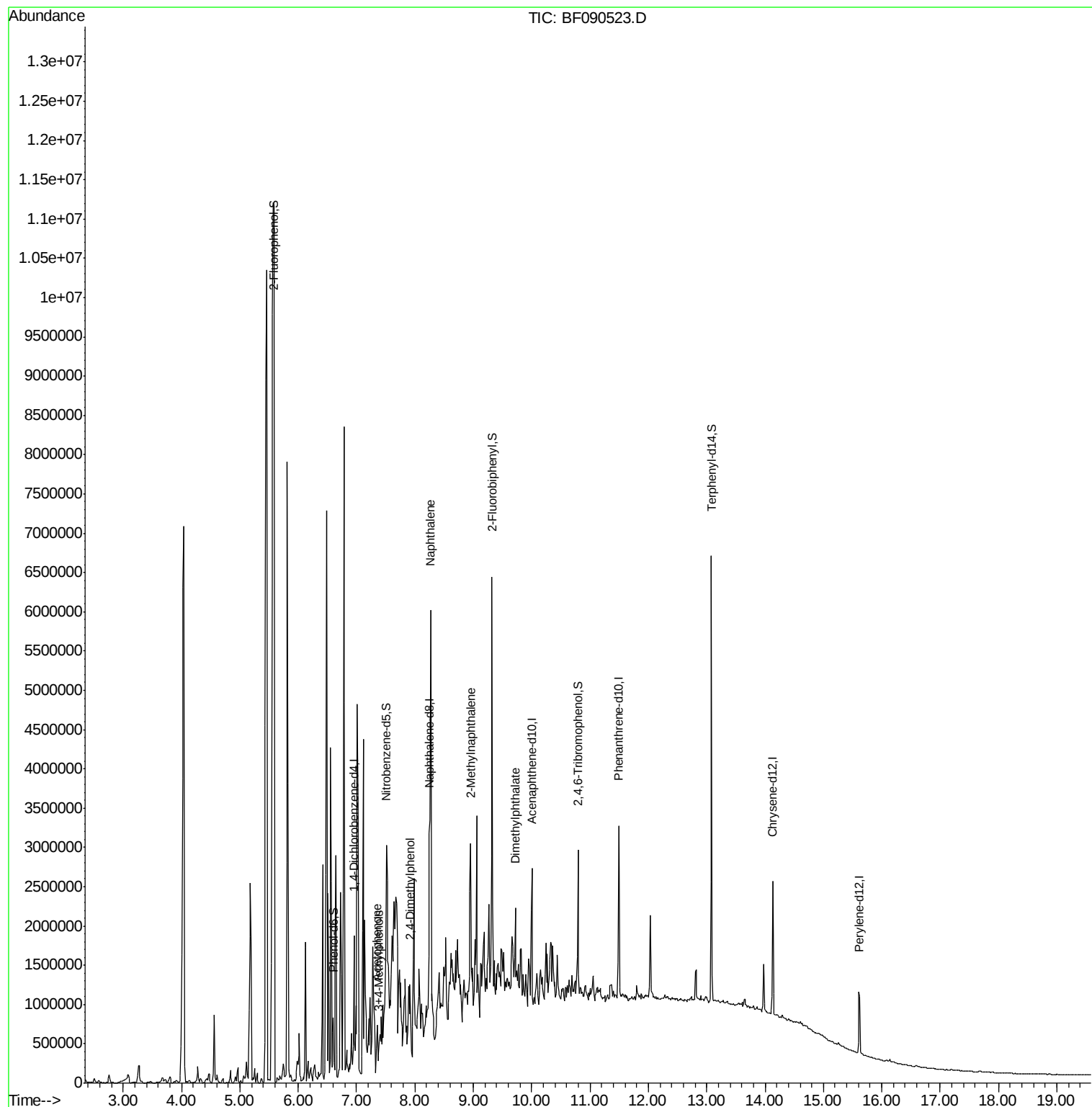
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	220000	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	874829	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	475651	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	776875	20.00	ng	0.01
75) Chrysene-d12	14.13	240	539318	20.00	ng	0.00
86) Perylene-d12	15.62	264	428616	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	126632	8.95	ng	0.02
7) Phenol-d6	6.60	99	332464	18.63	ng	0.01
23) Nitrobenzene-d5	7.51	82	1068904	66.27	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	232092	49.22	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1992036	70.38	ng	0.00
78) Terphenyl-d14	13.08	244	1816898	82.33	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.38	107	36299	2.34	ng	# 81
22) Acetophenone	7.35	105	214363	11.13	ng	# 57
27) 2,4-Dimethylphenol	7.91	122	68156	5.08	ng	96
31) Naphthalene	8.27	128	2689743	61.71	ng	100
37) 2-Methylnaphthalene	8.95	142	576908	19.72	ng	99
49) Dimethylphthalate	9.72	163	391839	12.25	ng	99

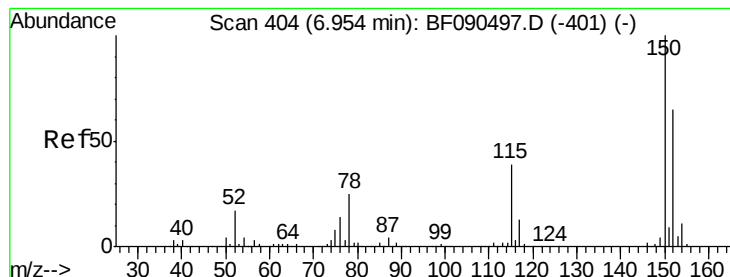
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

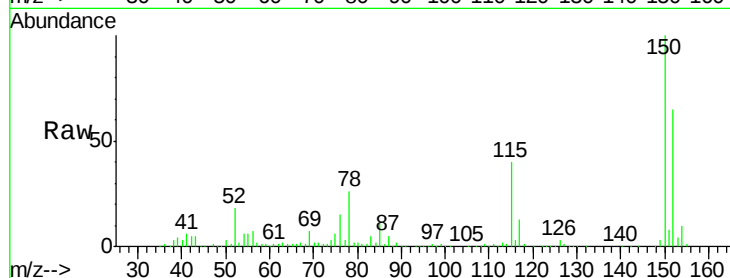
Tot Ion:152 Resp: 220000

Ion Ratio Lower Upper

152 100

150 154.7 124.6 186.8

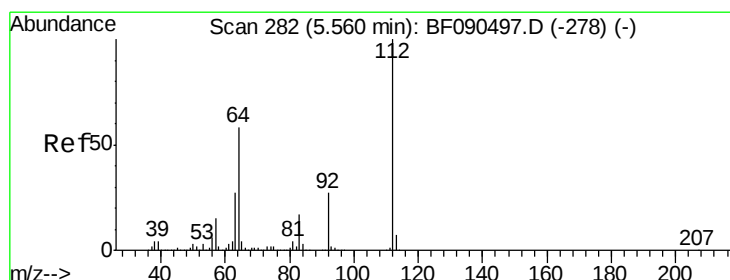
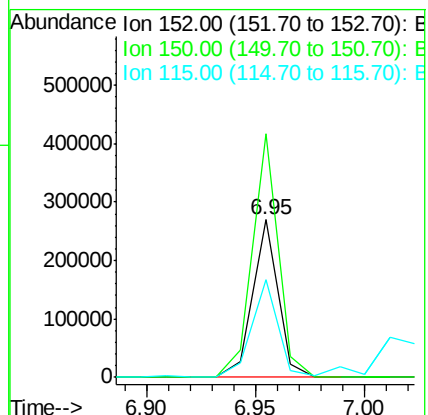
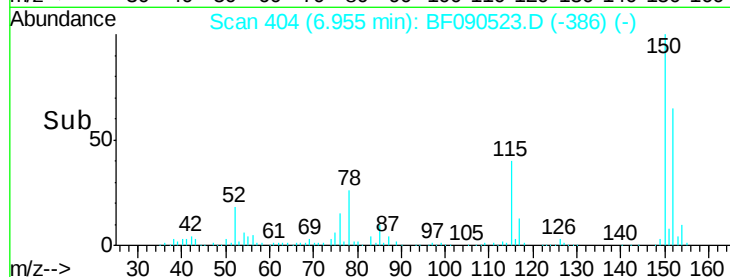
115 61.9 46.2 69.4



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: 8.95 ng

RT: 5.58 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

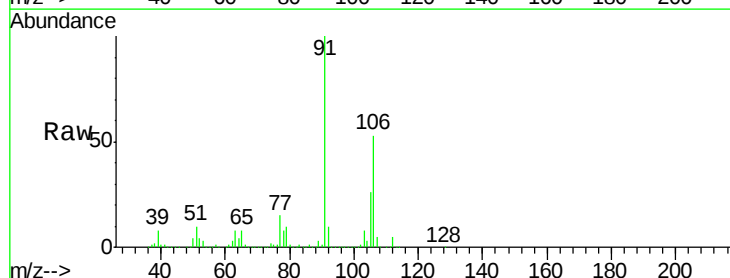
Tgt Ion:112 Resp: 126632

Ion Ratio Lower Upper

112 100

64 84.8 57.9 86.9

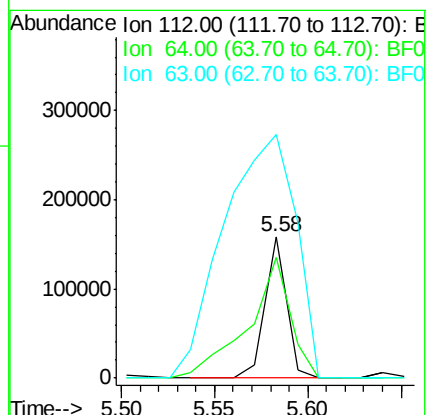
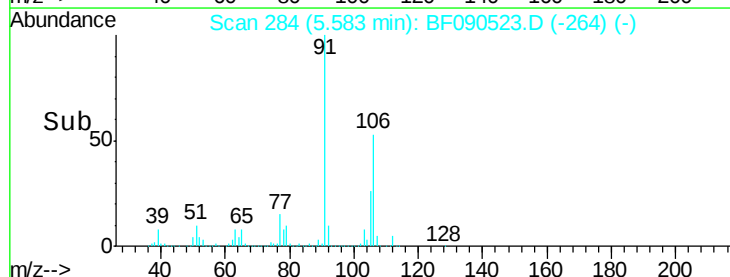
63 171.9 29.6 44.4#

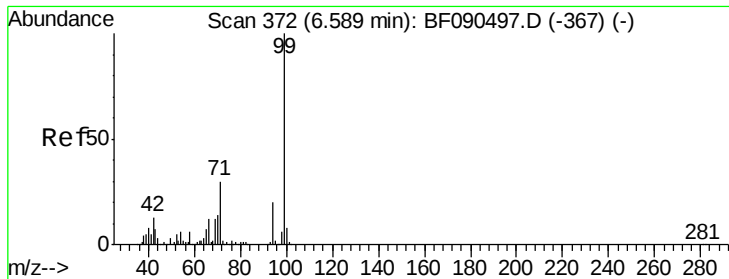


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.63 ng

RT: 6.60 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

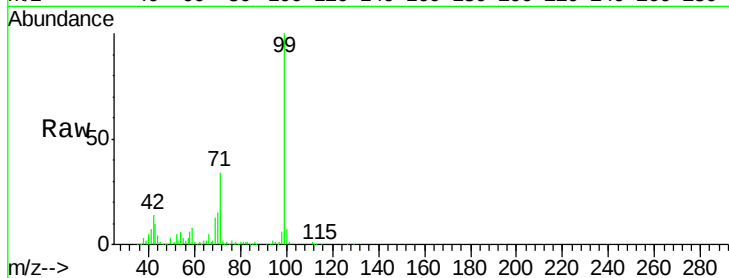
Tot Ion: 99 Resp: 332464

Ion Ratio Lower Upper

99 100

42 14.4 20.0 30.0#

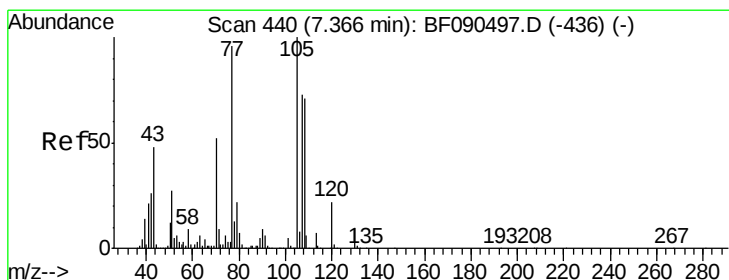
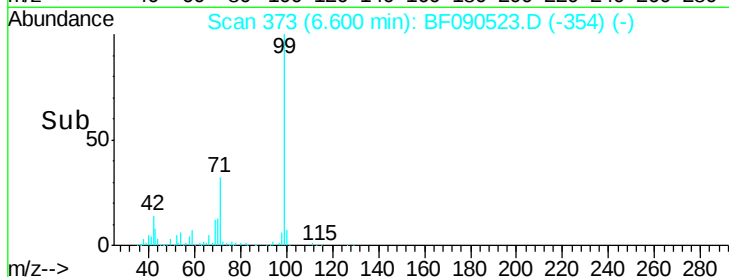
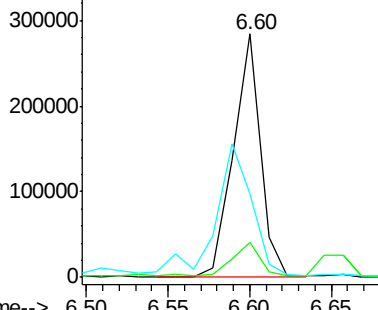
71 34.3 27.9 41.9



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: 2.34 ng

RT: 7.38 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Tgt Ion: 107 Resp: 36299

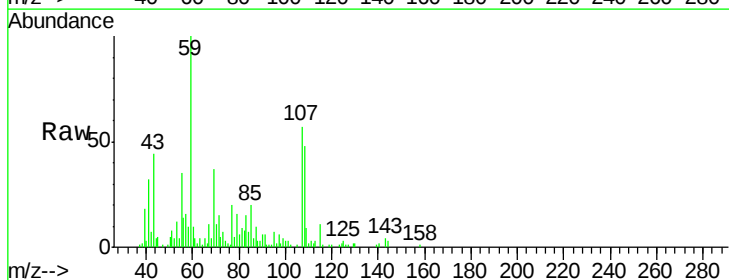
Ion Ratio Lower Upper

107 100

108 84.8 66.7 106.7

77 35.5 53.7 93.7#

79 28.4 8.4 48.4

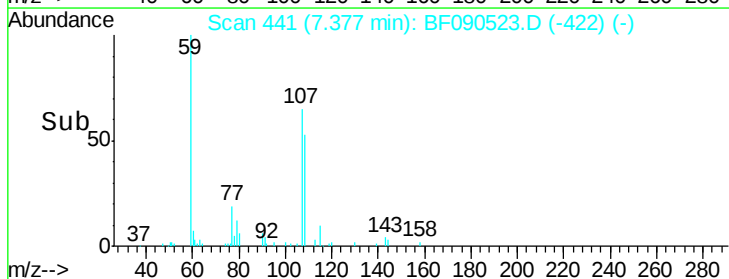
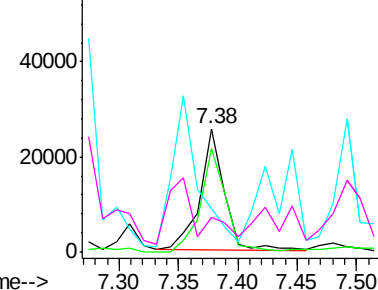


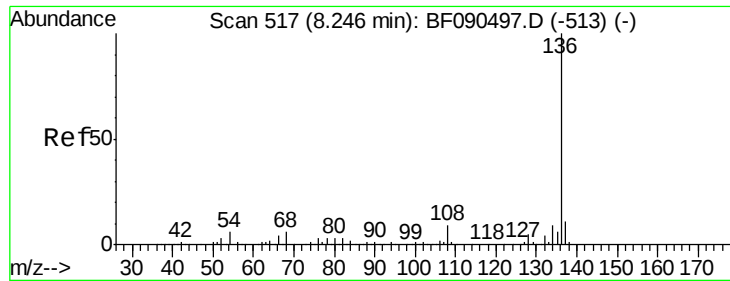
Abundance Ion 107.00 (106.70 to 107.70): E

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: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

Tot Ion:136 Resp: 874829

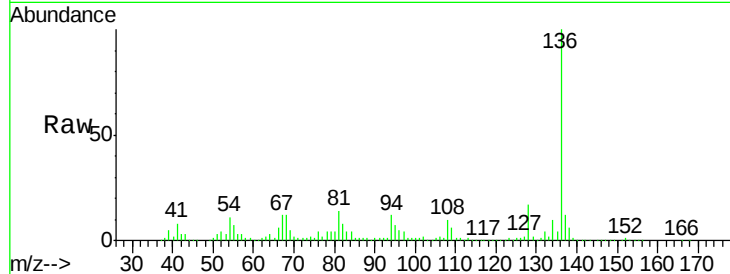
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 11.3 6.6 10.0#

68 11.7 5.0 7.6#

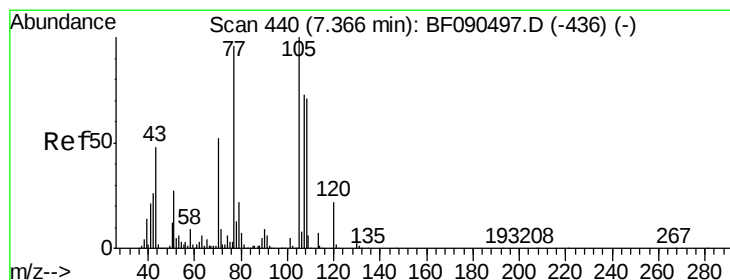
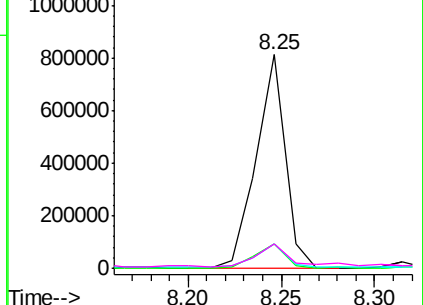
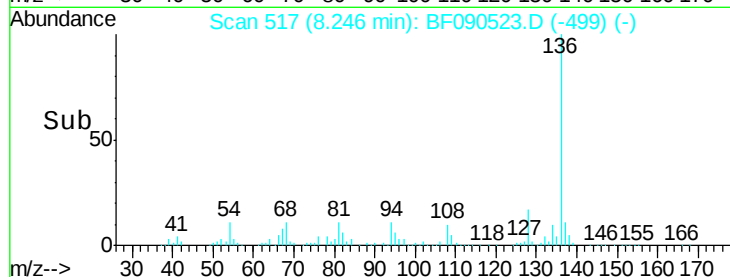


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.13 ng

RT: 7.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Tgt Ion:105 Resp: 214363

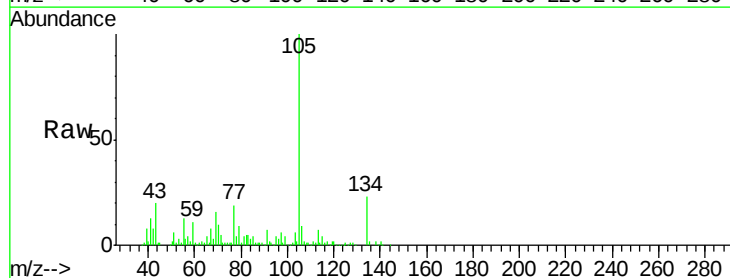
Ion Ratio Lower Upper

105 100

71 5.1 3.8 5.6

51 5.9 28.2 42.4#

120 2.3 17.4 26.2#

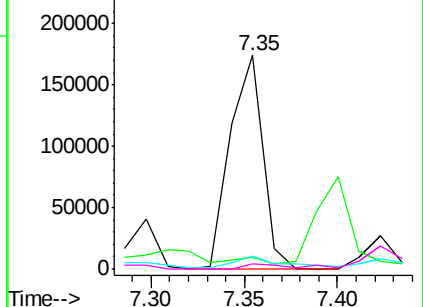
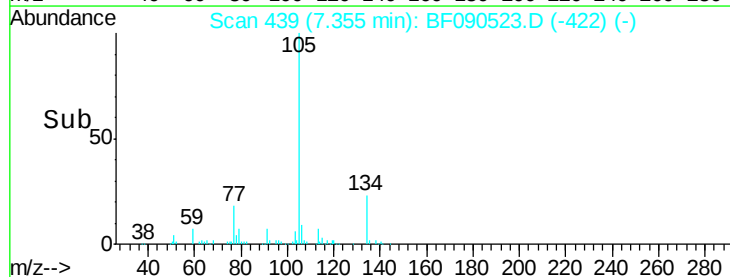


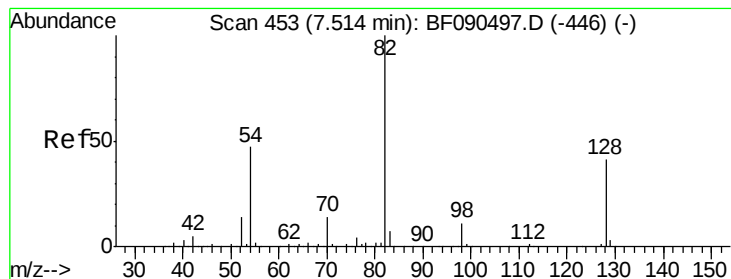
Abundance Ion 105.00 (104.70 to 105.70): E

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: 66.27 ng

RT: 7.51 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampled :

S8-0618

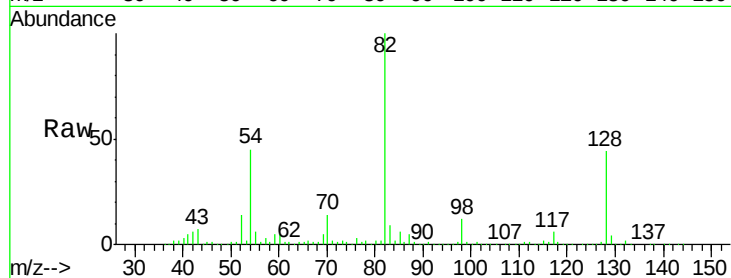
Tot Ion: 82 Resp: 1068904

Ion Ratio Lower Upper

82 100

128 43.6 40.0 60.0

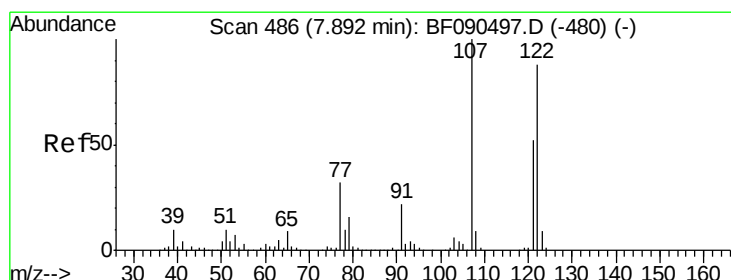
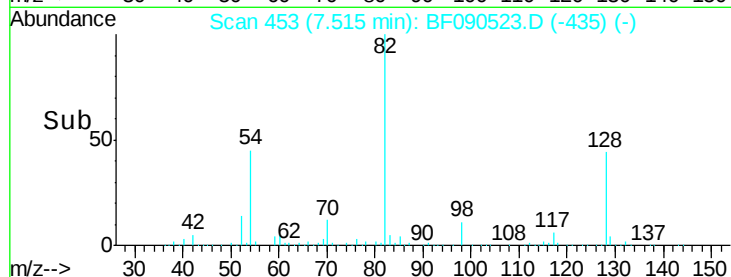
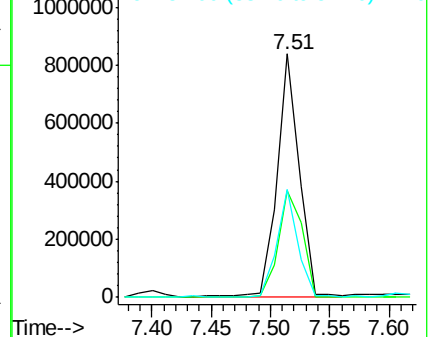
54 44.6 42.6 64.0



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: 5.08 ng

RT: 7.91 min Scan# 488

Delta R.T. 0.02 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

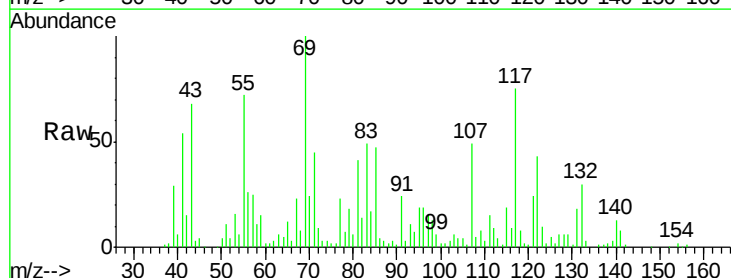
Tgt Ion:122 Resp: 68156

Ion Ratio Lower Upper

122 100

107 114.3 88.6 132.8

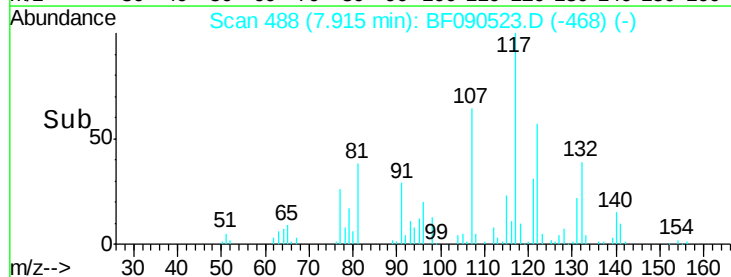
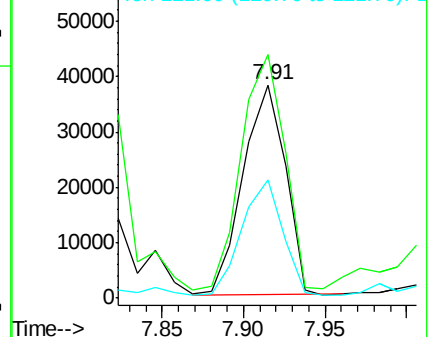
121 55.6 47.5 71.3

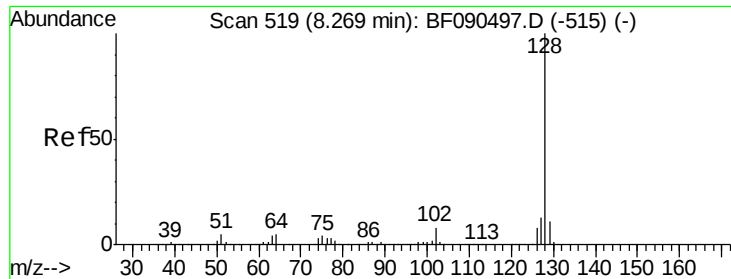


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

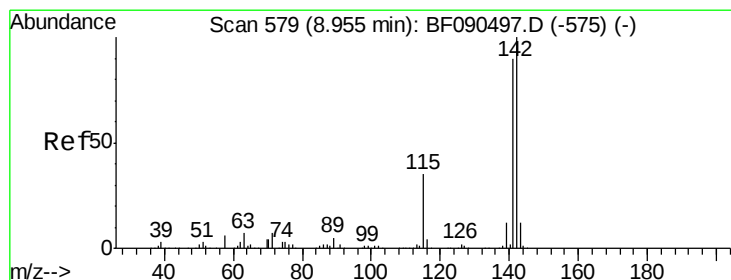
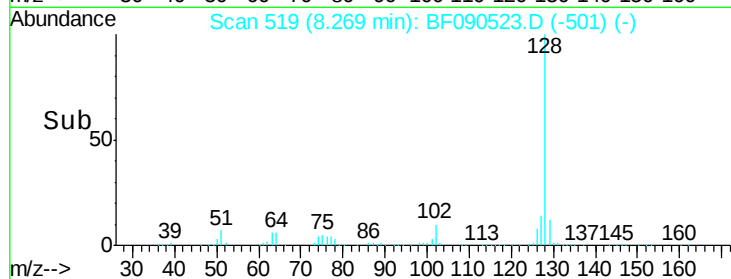
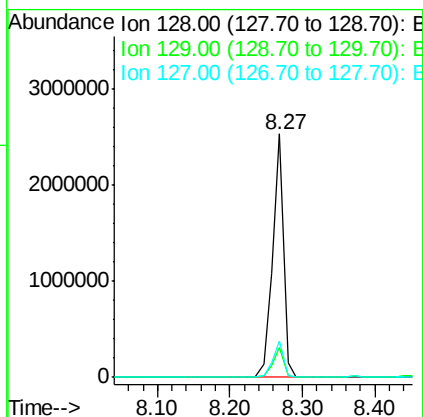
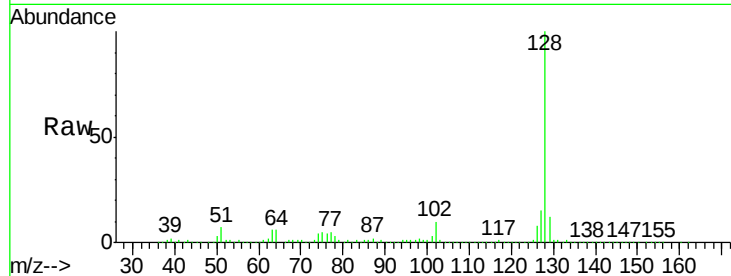




#31
Naphthalene
Concen: 61.71 ng
RT: 8.27 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

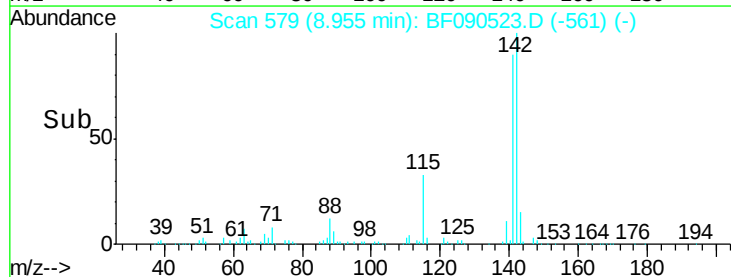
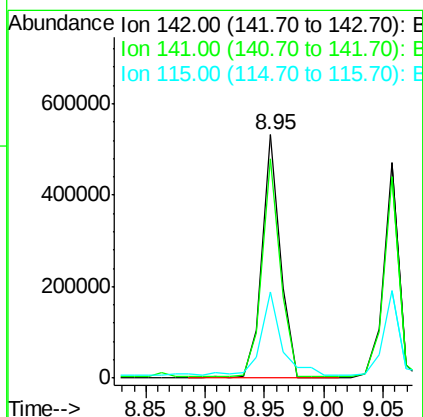
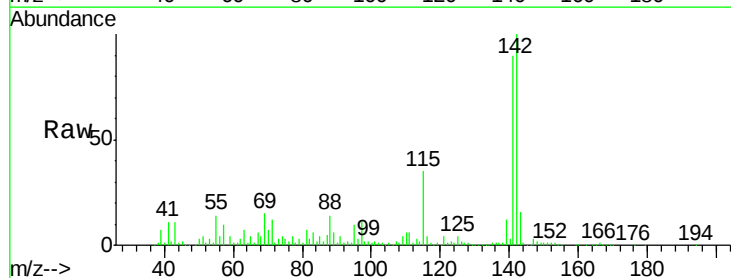
Instrument :
BNA_F
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S8-0618

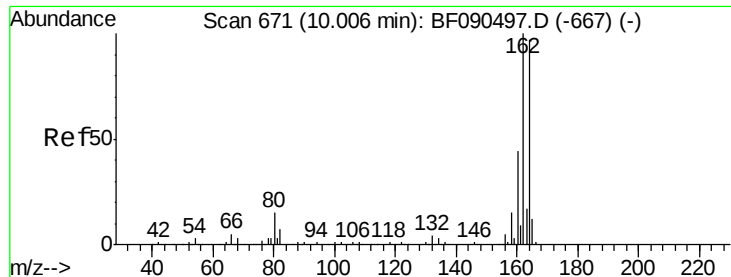
Tot Ion:128 Resp: 2689743
Ion Ratio Lower Upper
128 100
129 12.4 9.7 14.5
127 14.6 11.7 17.5



#37
2-Methylnaphthalene
Concen: 19.72 ng
RT: 8.95 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

Tgt Ion:142 Resp: 576908
Ion Ratio Lower Upper
142 100
141 90.2 71.8 107.8
115 35.1 28.8 43.2

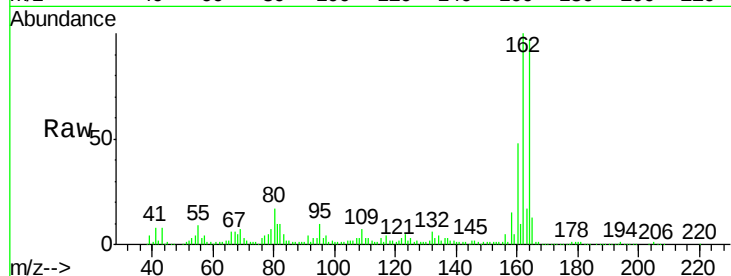




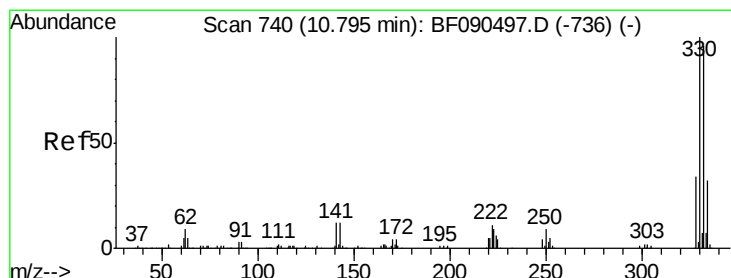
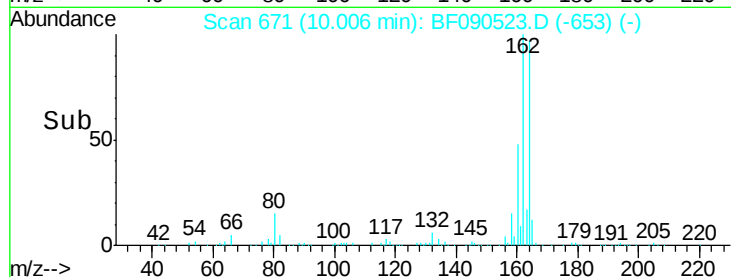
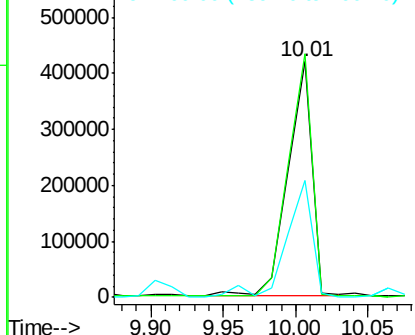
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF090523.D
 Acq: 12 Oct 2016 1:24

Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

Tot Ion:164 Resp: 475651
 Ion Ratio Lower Upper
 164 100
 162 103.3 80.1 120.1
 160 49.7 36.3 54.5

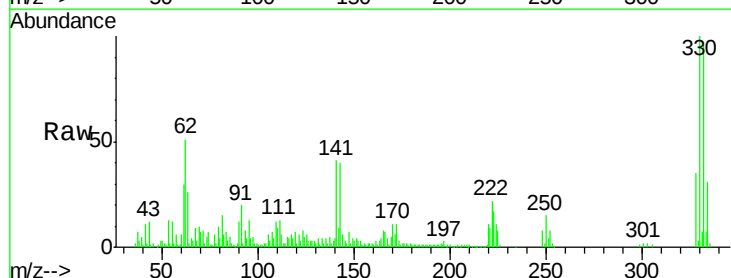


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

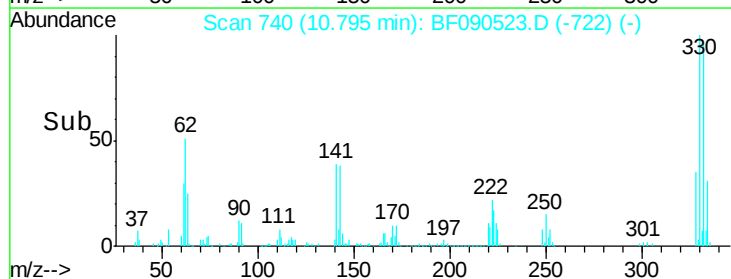
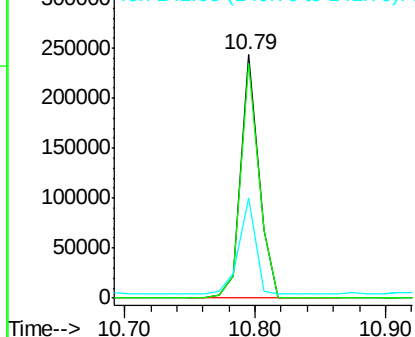


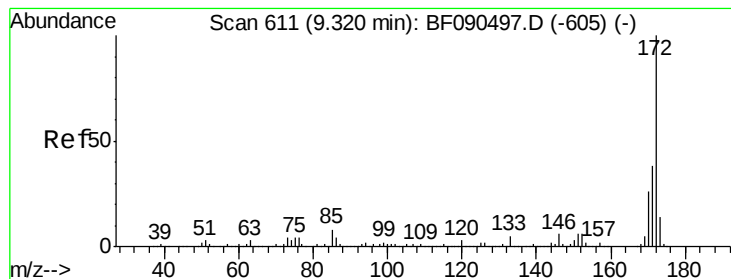
#41
 2,4,6-Tribromophenol
 Concen: 49.22 ng
 RT: 10.79 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF090523.D
 Acq: 12 Oct 2016 1:24

Tgt Ion:330 Resp: 232092
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.4 113.0
 141 37.7 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: 70.38 ng

RT: 9.32 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

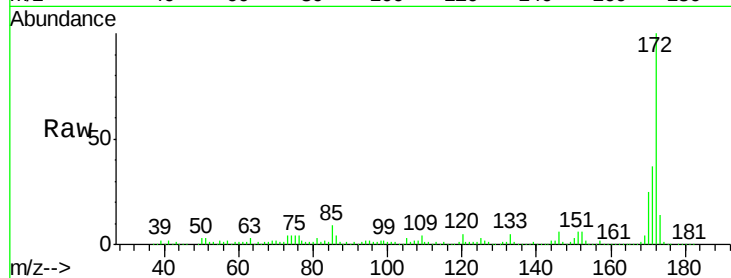
BNA_F

ClientSampleId :

S8-0618

Tot Ion:172 Resp: 1992036

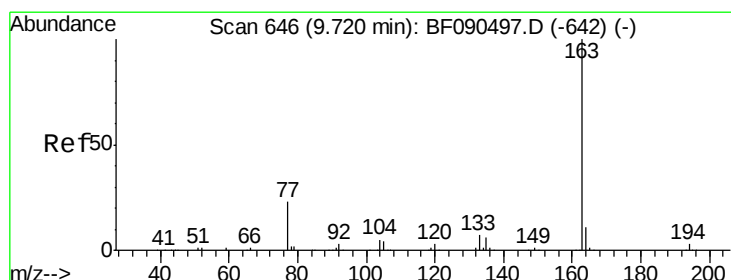
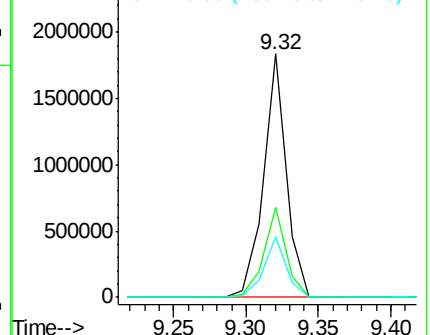
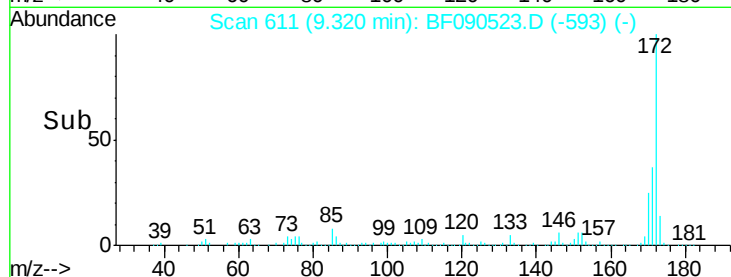
Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.8	47.8
170	25.1	21.7	32.5



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



#49

Dimethylphthalate

Concen: 12.25 ng

RT: 9.72 min Scan# 646

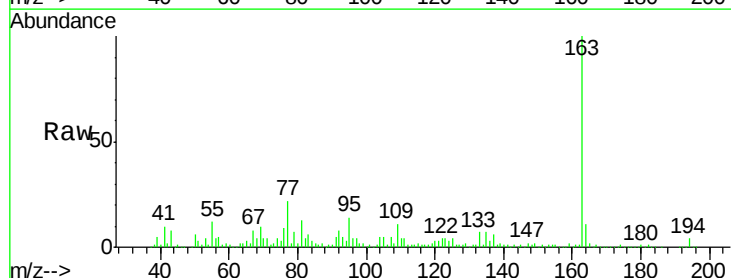
Delta R.T. 0.00 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Tgt Ion:163 Resp: 391839

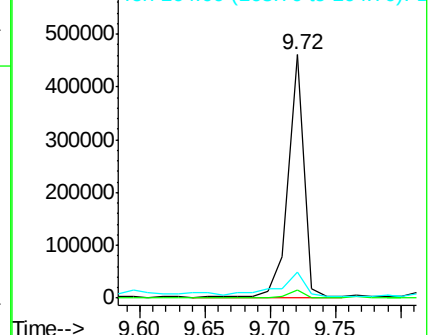
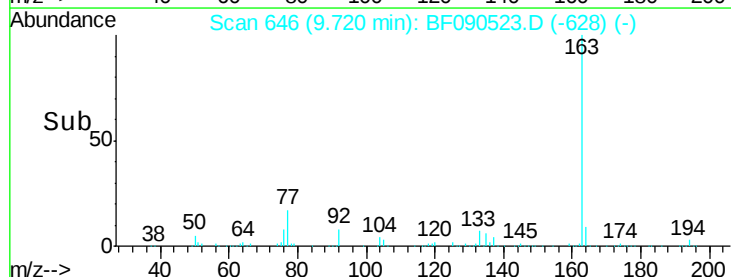
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.7	9.0	13.4

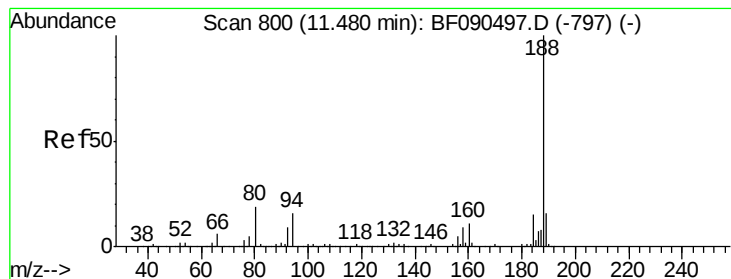


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 801

Delta R.T. 0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

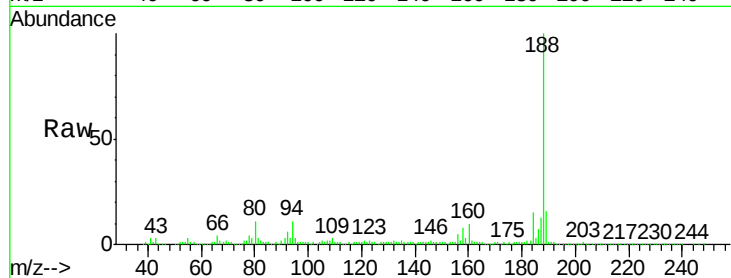
Tot Ion:188 Resp: 776875

Ion Ratio Lower Upper

188 100

94 11.0 8.2 12.2

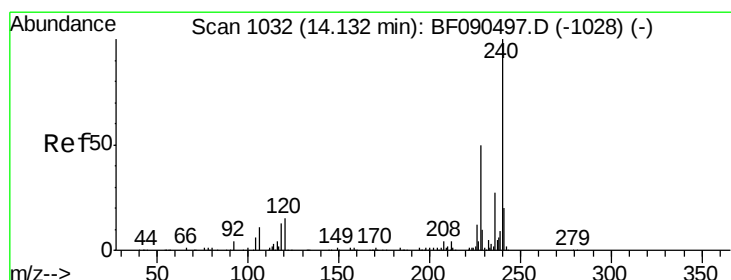
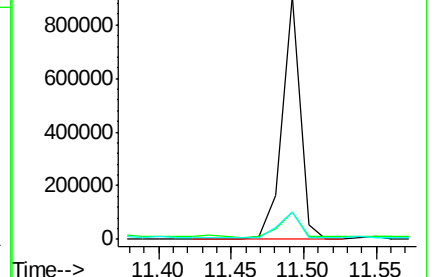
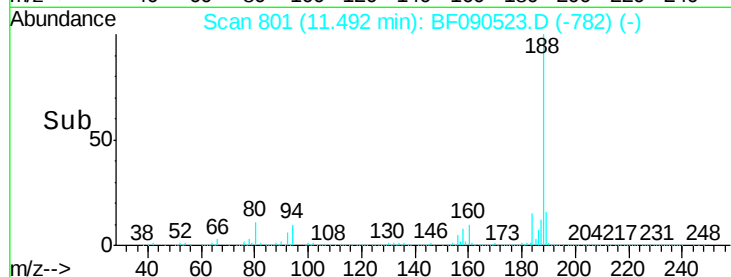
80 11.5 8.8 13.2



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: BF090523.D

Acq: 12 Oct 2016 1:24

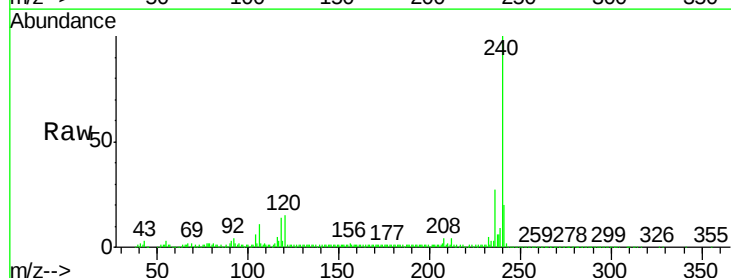
Tgt Ion:240 Resp: 539318

Ion Ratio Lower Upper

240 100

120 15.4 8.6 13.0#

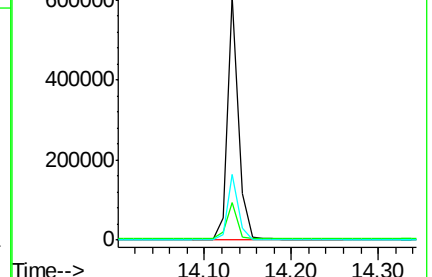
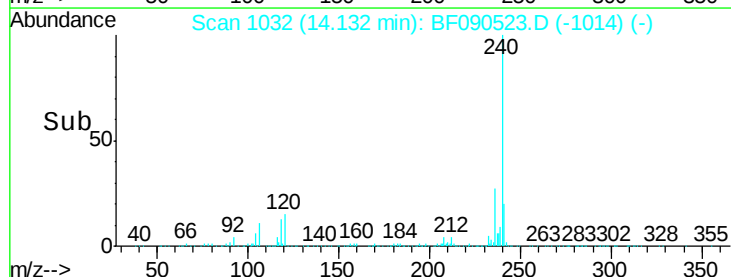
236 27.1 21.6 32.4

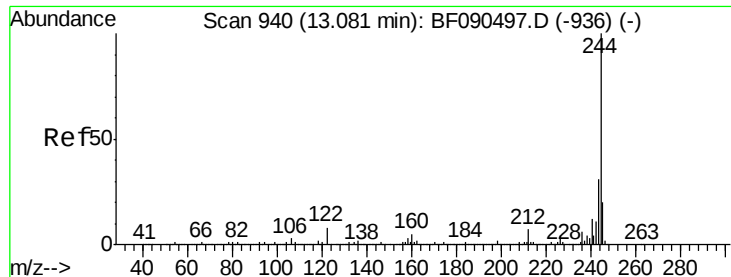


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.33 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

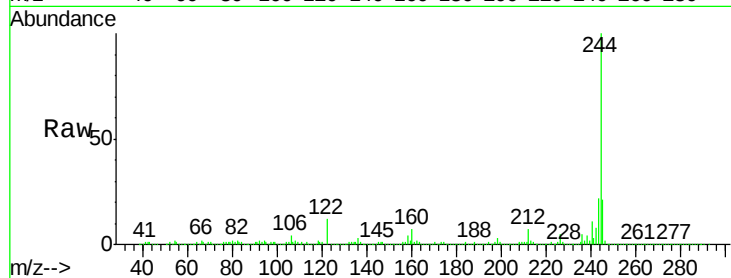
BNA_F

ClientSampleId :

S8-0618

Tot Ion:244 Resp: 1816898

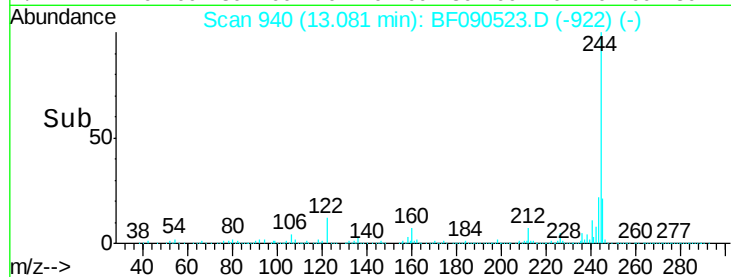
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.8	10.2
122	12.2	13.3	19.9#



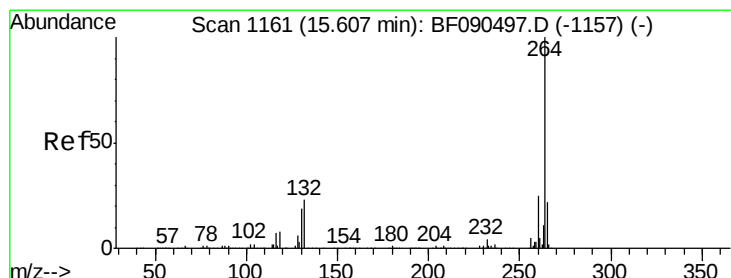
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1162

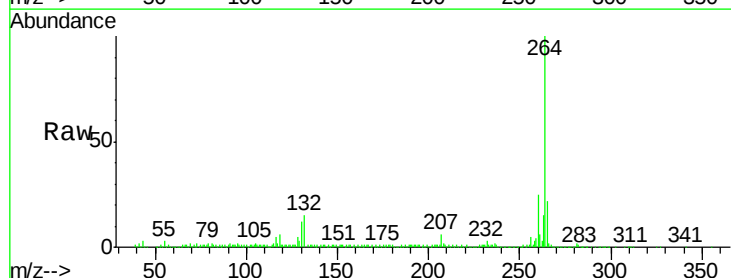
Delta R.T. 0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Tgt Ion:264 Resp: 428616

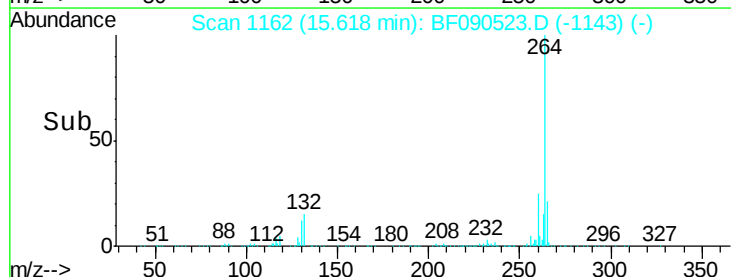
Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.3	28.9
265	21.6	17.4	26.0



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



Time-->