

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 02:03:26 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

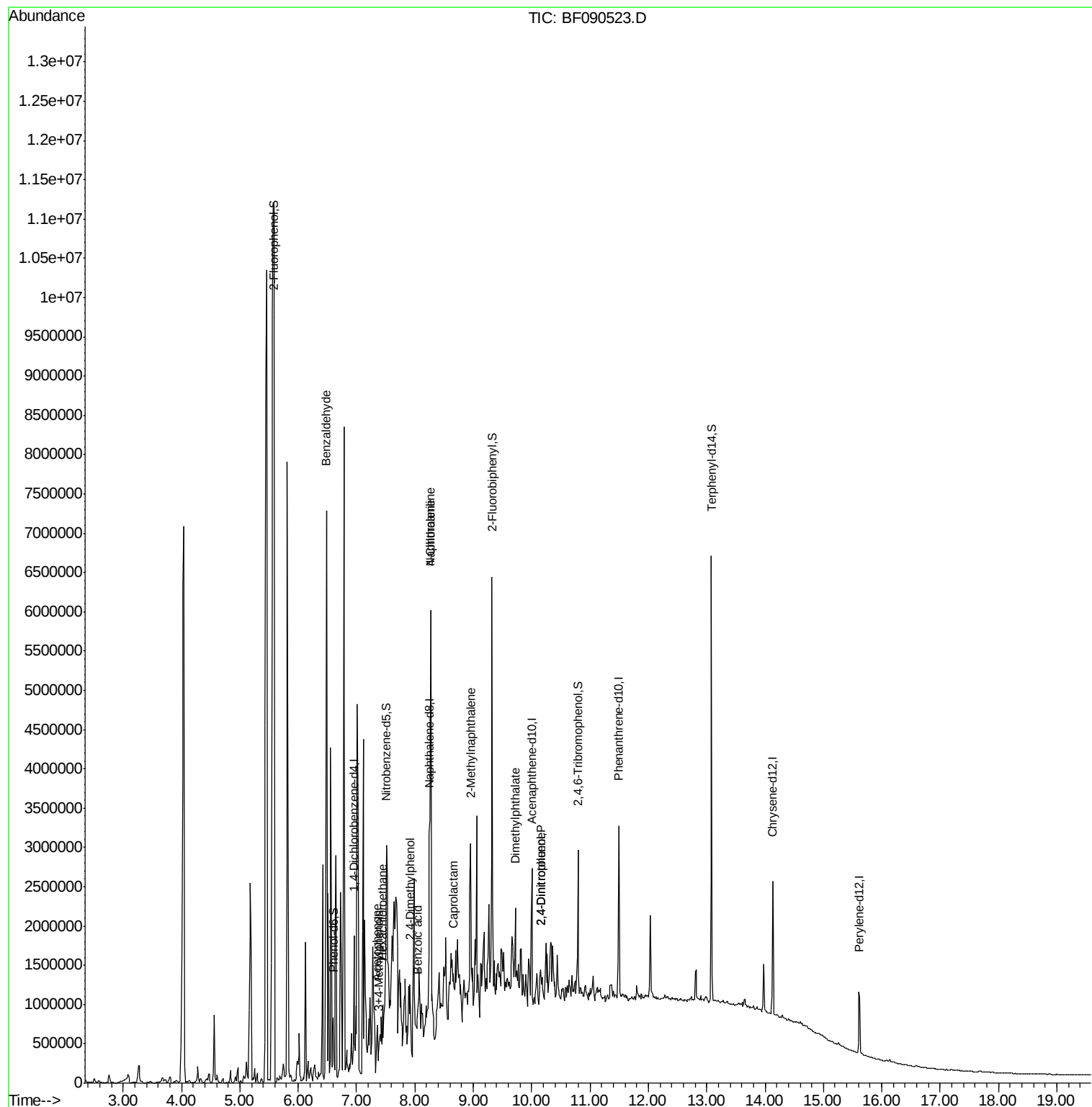
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	220000	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	874829	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	475651	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	776875	20.00	ng	0.01
75) Chrysene-d12	14.13	240	539318	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
9) Benzaldehyde	6.49	77	475600	42.30	ng	# 1
18) Hexachloroethane	7.45	117	36096	5.91	ng	# 1
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
32) Benzoic acid	8.04	122	62216	5.88	ng	# 24
33) 4-Chloroaniline	8.27	127	390714	21.18	ng	# 30
35) Caprolactam	8.66	113	58198	16.00	ng	# 1
37) 2-Methylnaphthalene	8.95	142	576908	19.72	ng	99
49) Dimethylphthalate	9.72	163	391839	12.25	ng	99
53) 2,4-Dinitrophenol	10.15	184	47579	12.14	ng	# 37
56) 2,4-Dinitrotoluene	10.15	165	26861	2.88	ng	# 72

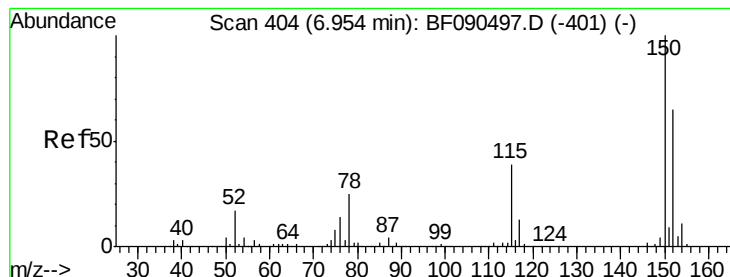
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

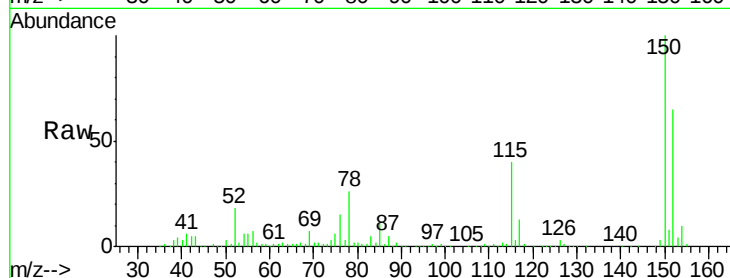
Tgt Ion:152 Resp: 220000

Ion Ratio Lower Upper

152 100

150 154.7 124.6 186.8

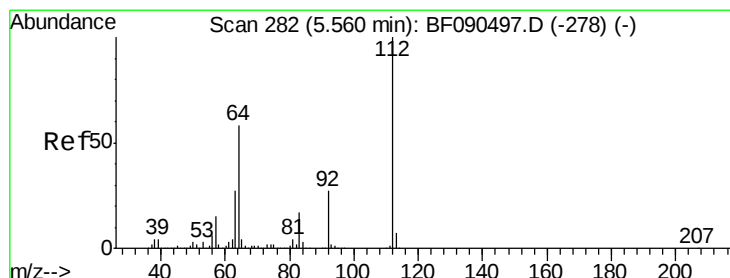
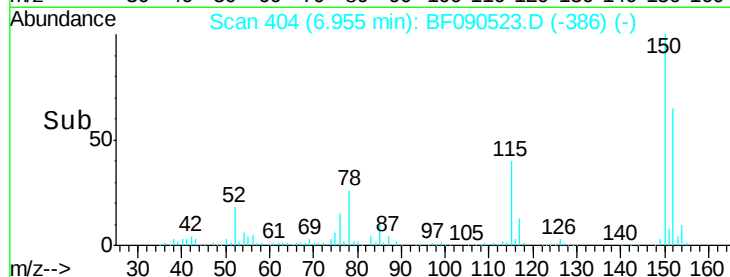
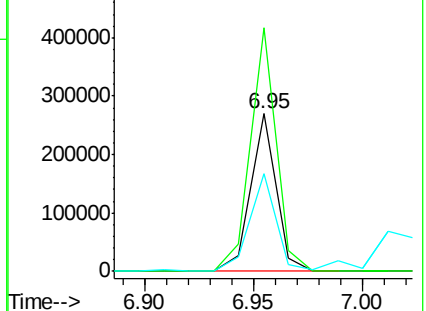
115 61.9 46.2 69.4



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

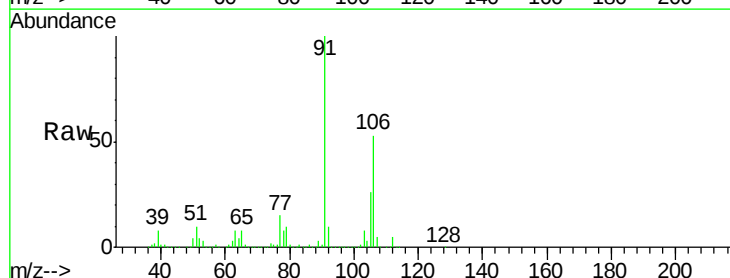
Tgt Ion:112 Resp: 126632

Ion Ratio Lower Upper

112 100

64 84.8 57.9 86.9

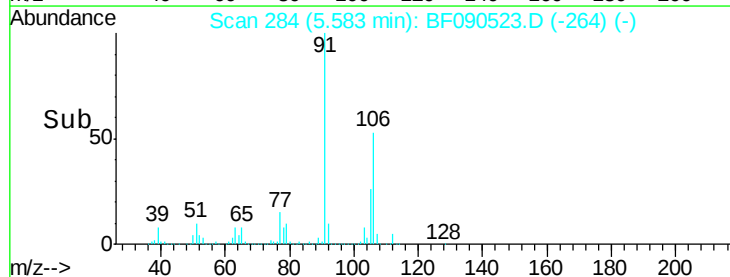
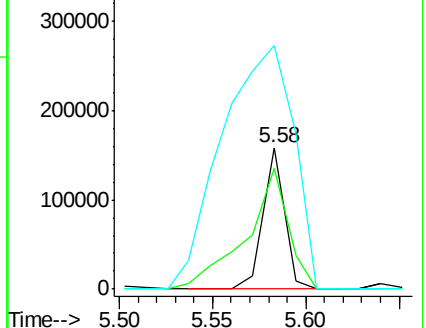
63 171.9 29.6 44.4#

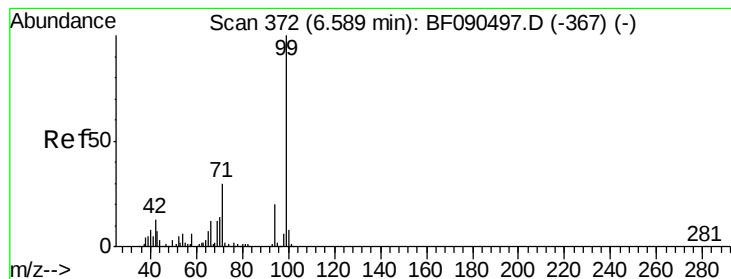


Abundance Ion 112.00 (111.70 to 112.70): E

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

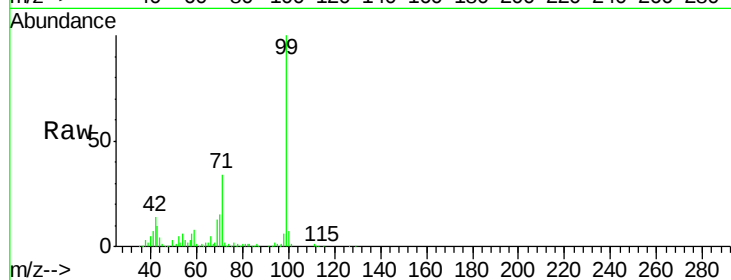
Tgt Ion: 99 Resp: 332464

Ion Ratio Lower Upper

99 100

42 14.4 20.0 30.0#

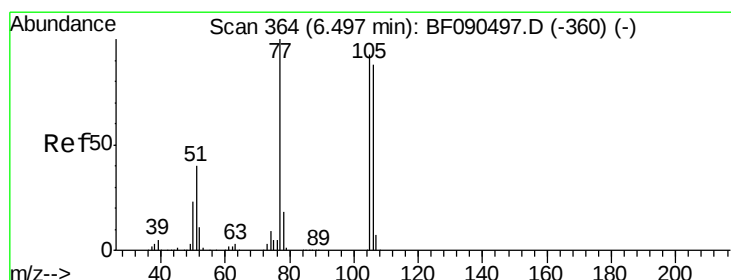
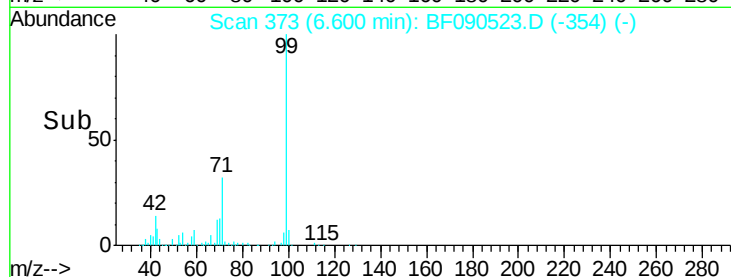
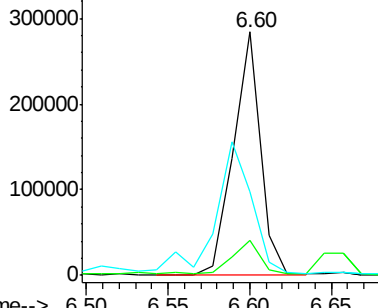
71 34.3 27.9 41.9



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



#9

Benzaldehyde

Concen: 42.30 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

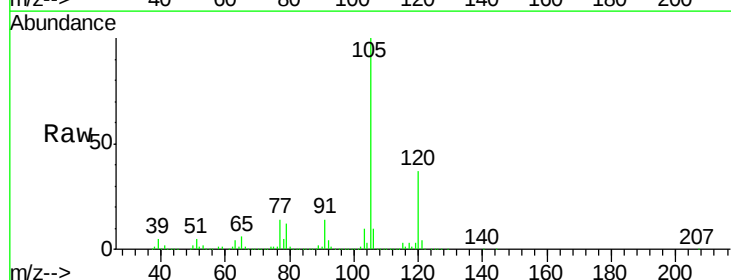
Tgt Ion: 77 Resp: 475600

Ion Ratio Lower Upper

77 100

105 734.1 73.1 113.1#

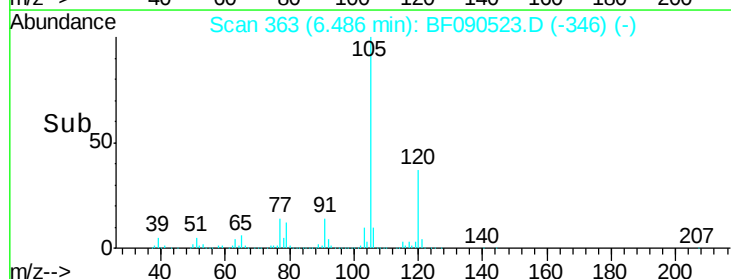
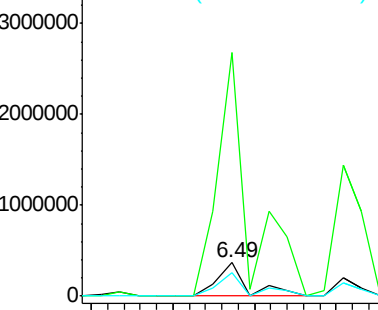
106 72.5 70.2 110.2

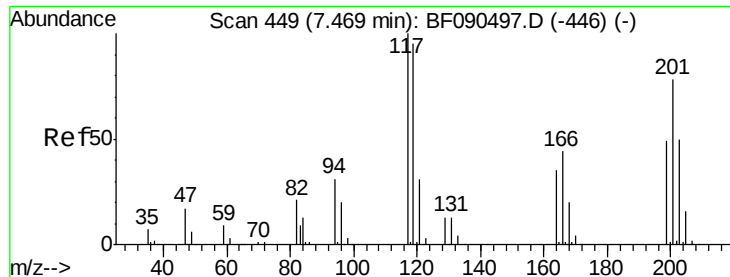


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#18

Hexachloroethane

Concen: 5.91 ng

RT: 7.45 min Scan# 447

Delta R.T. -0.02 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

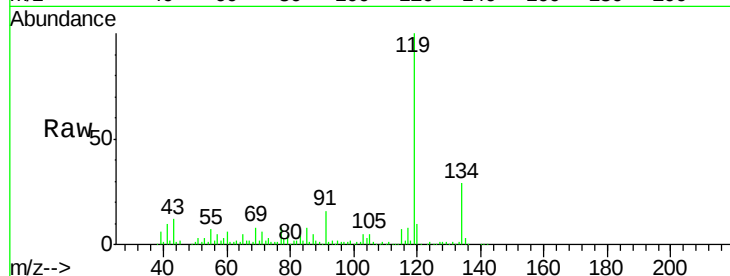
Tgt Ion:117 Resp: 36096

Ion Ratio Lower Upper

117 100

119 1294.7 75.9 113.9#

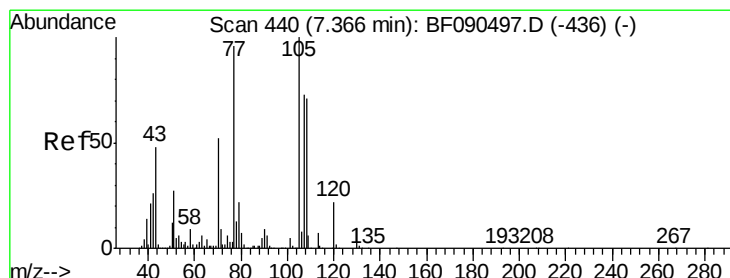
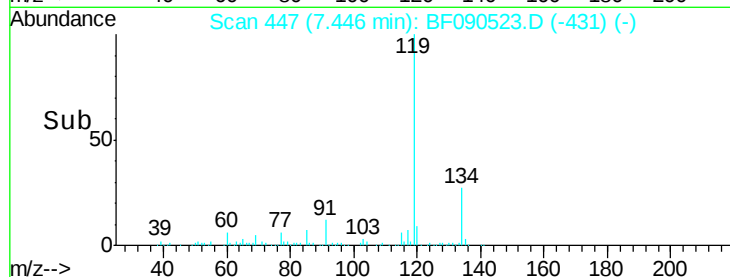
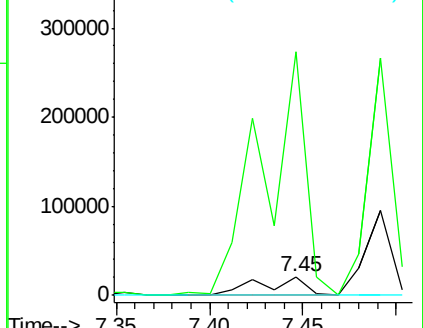
201 0.0 66.5 99.7#



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



#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

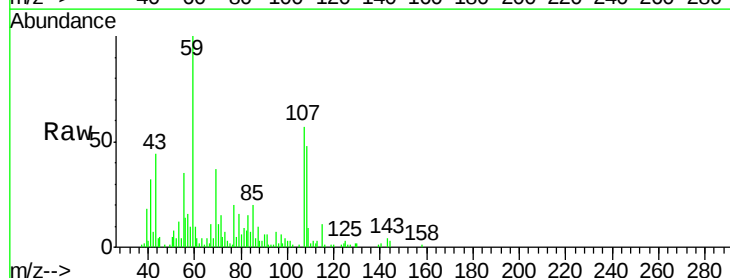
Ion Ratio Lower Upper

107 100

108 84.8 66.7 106.7

77 35.5 53.7 93.7#

79 28.4 8.4 48.4

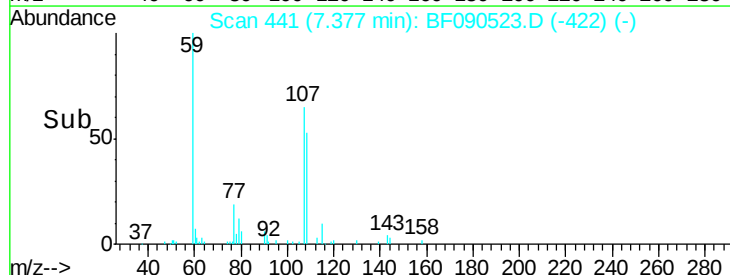
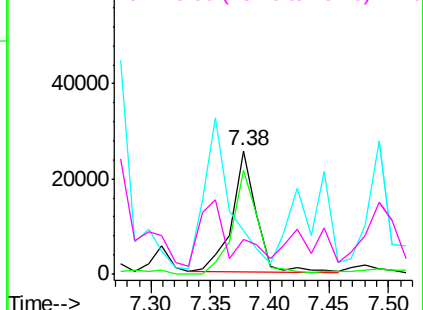


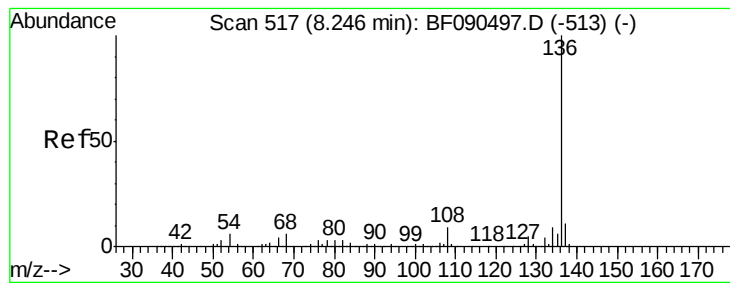
Abundance Ion 107.00 (106.70 to 107.70): E

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

Tgt Ion:136 Resp: 874829

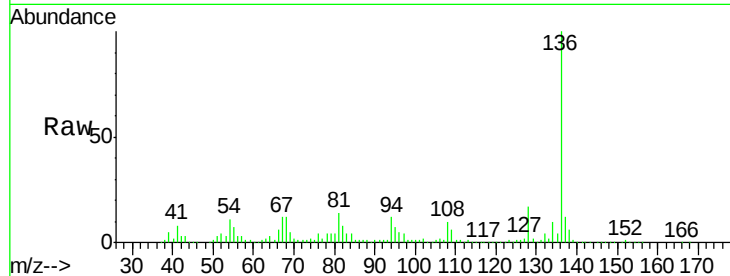
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 11.3 6.6 10.0#

68 11.7 5.0 7.6#

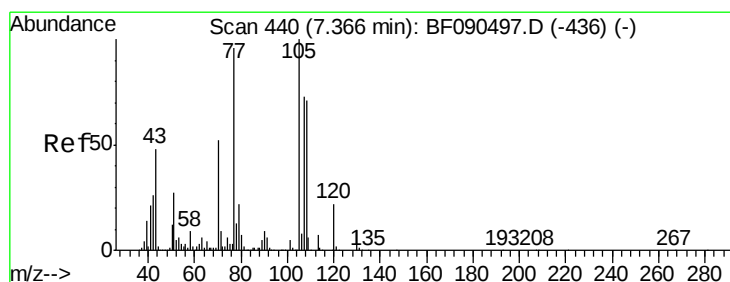
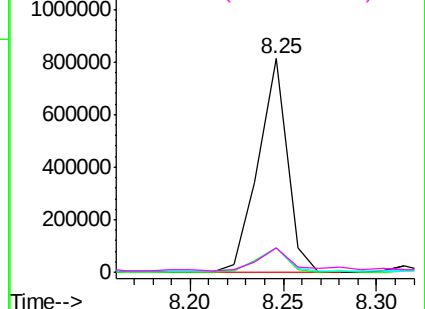
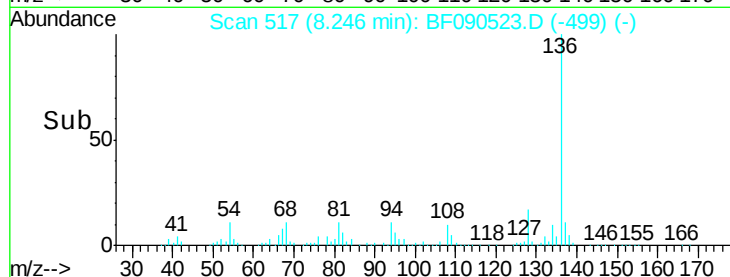


Abundance Ion 136.00 (135.70 to 136.70): E

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

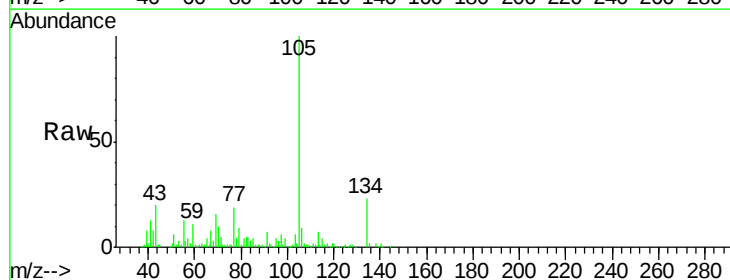
Ion Ratio Lower Upper

105 100

71 5.1 3.8 5.6

51 5.9 28.2 42.4#

120 2.3 17.4 26.2#

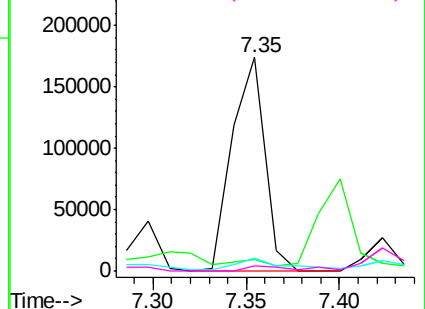
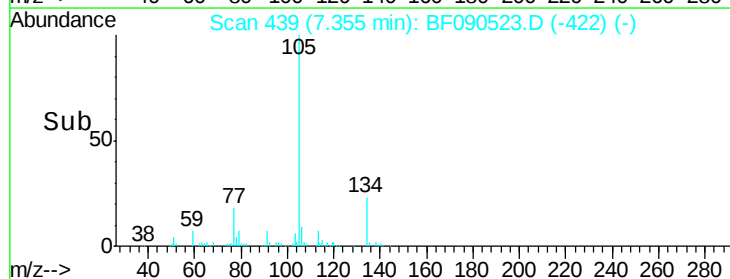


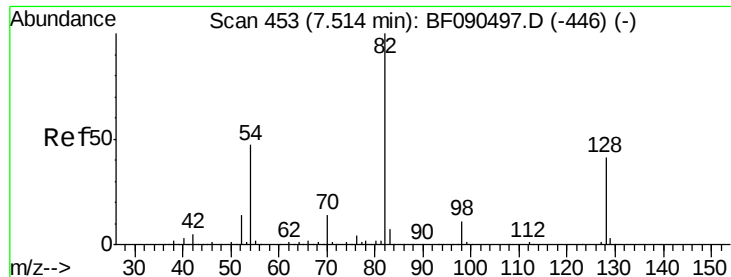
Abundance Ion 105.00 (104.70 to 105.70): E

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

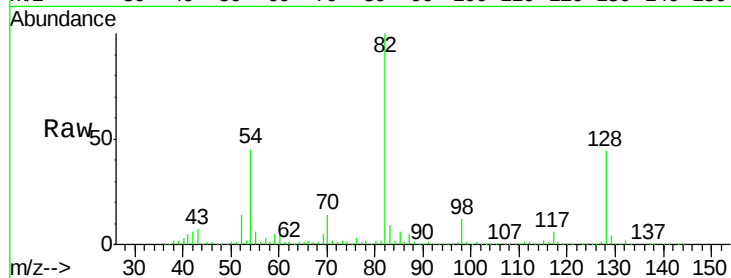
Tgt Ion: 82 Resp: 1068904

Ion Ratio Lower Upper

82 100

128 43.6 40.0 60.0

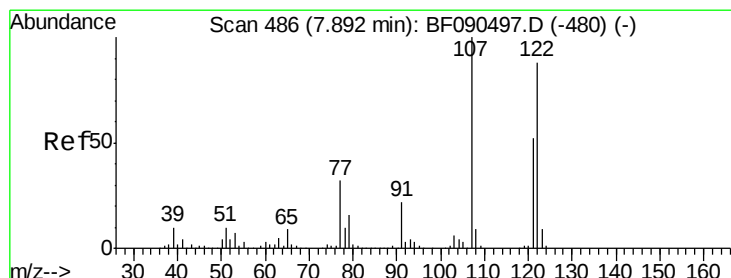
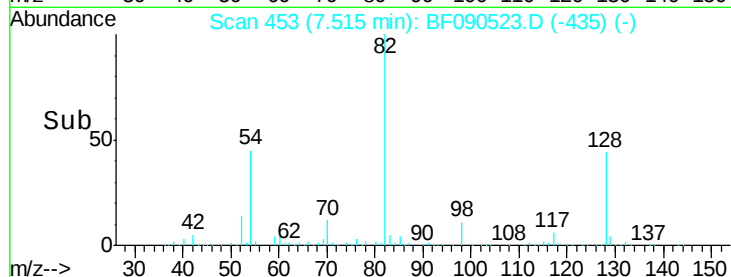
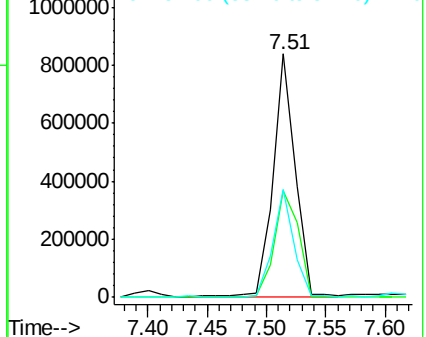
54 44.6 42.6 64.0



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

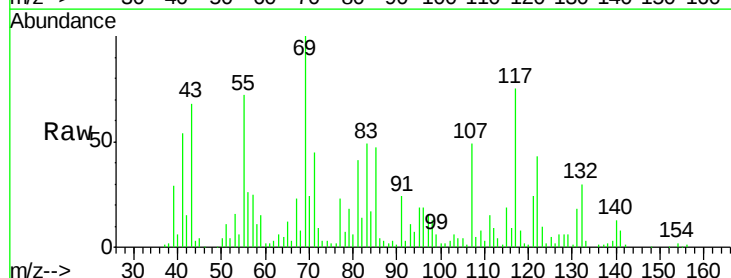
Tgt Ion: 122 Resp: 68156

Ion Ratio Lower Upper

122 100

107 114.3 88.6 132.8

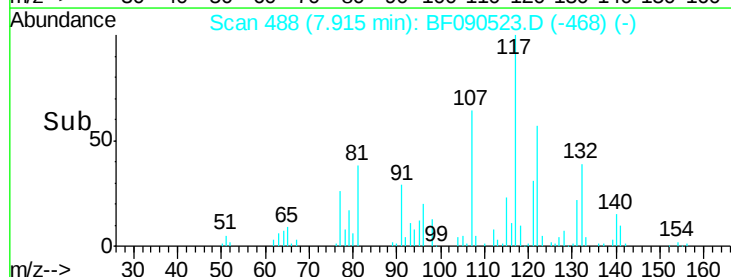
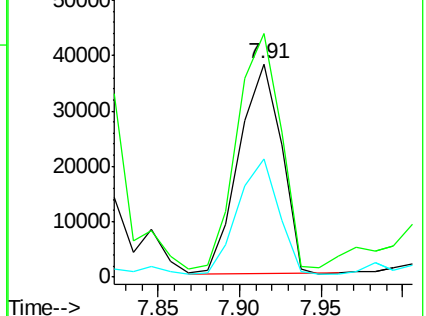
121 55.6 47.5 71.3

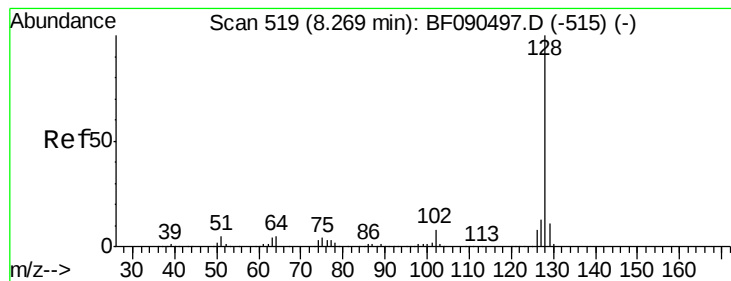


Abundance Ion 122.00 (121.70 to 122.70): E

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

ClientSampleId :

S8-0618

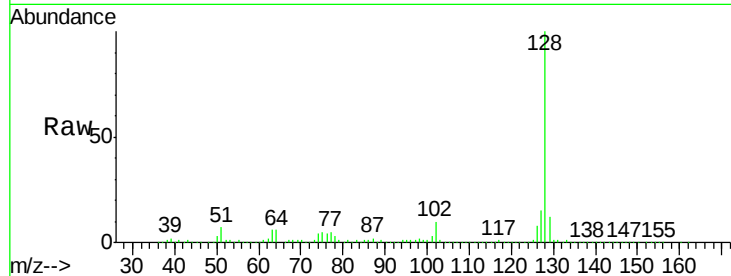
Tgt Ion:128 Resp: 2689743

Ion Ratio Lower Upper

128 100

129 12.4 9.7 14.5

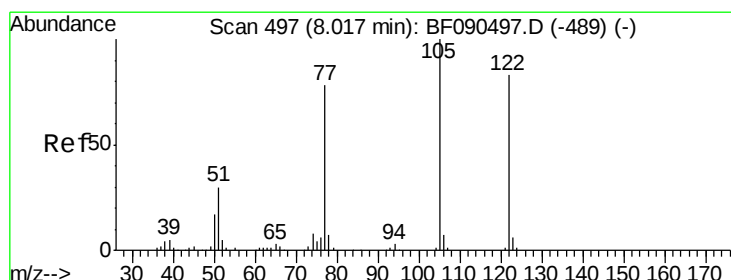
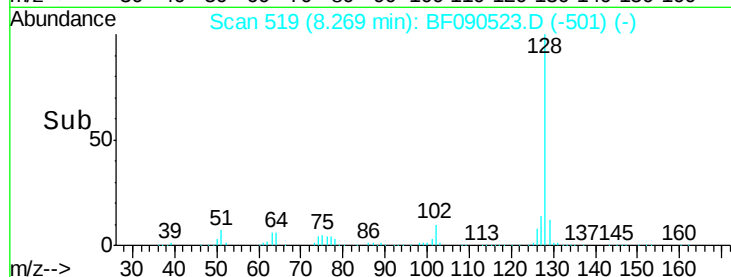
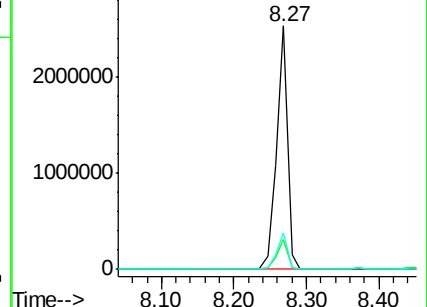
127 14.6 11.7 17.5



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: 5.88 ng

RT: 8.04 min Scan# 499

Delta R.T. 0.02 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

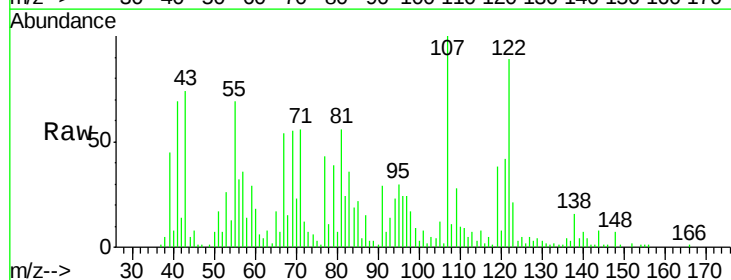
Tgt Ion:122 Resp: 62216

Ion Ratio Lower Upper

122 100

105 13.2 103.9 143.9#

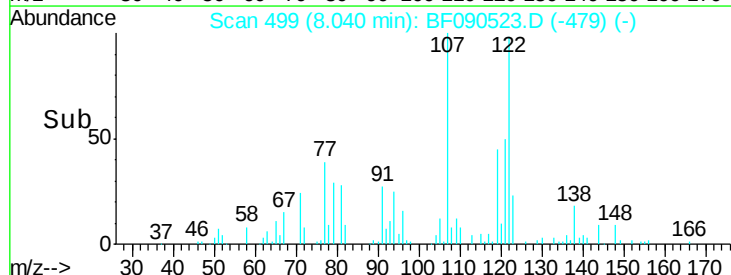
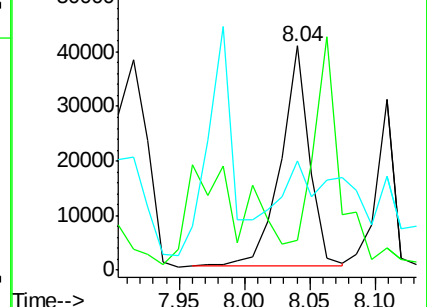
77 49.0 74.6 114.6#

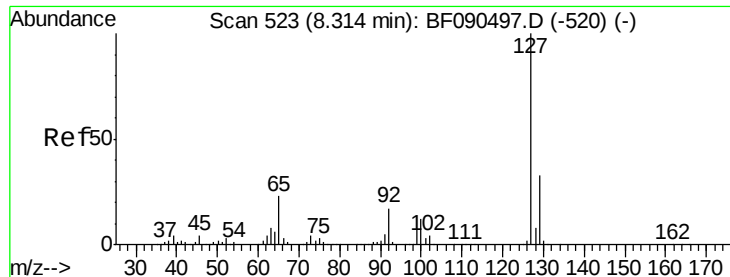


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

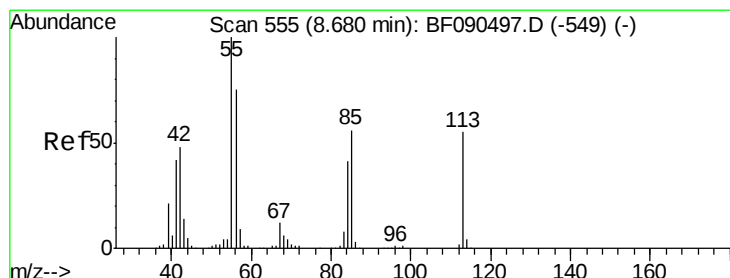
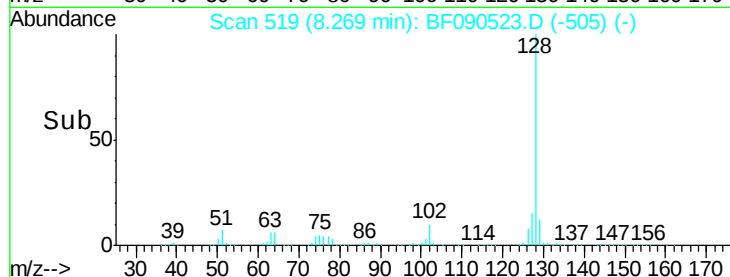
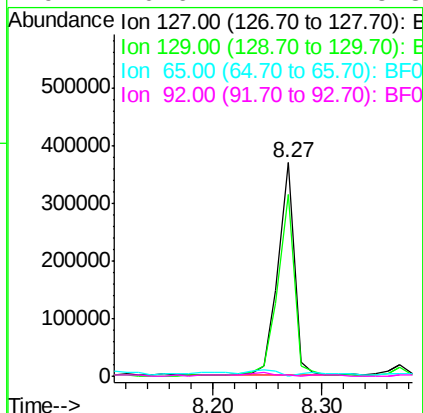
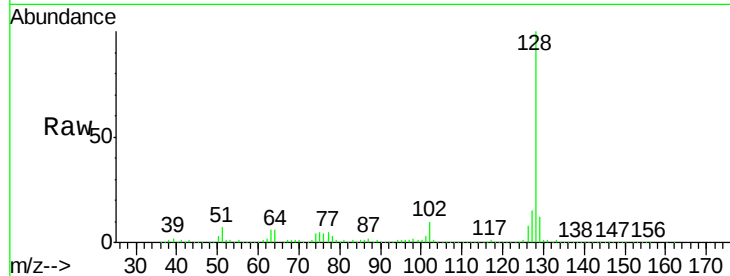




#33
4-Chloroaniline
Concen: 21.18 ng
RT: 8.27 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

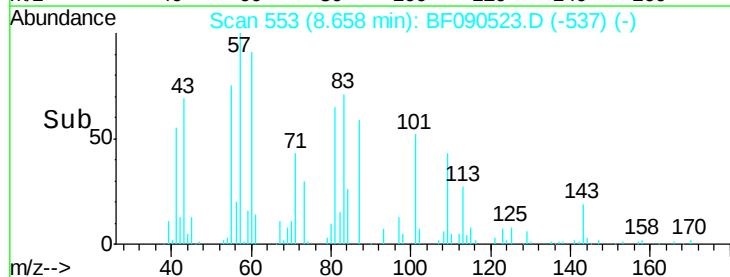
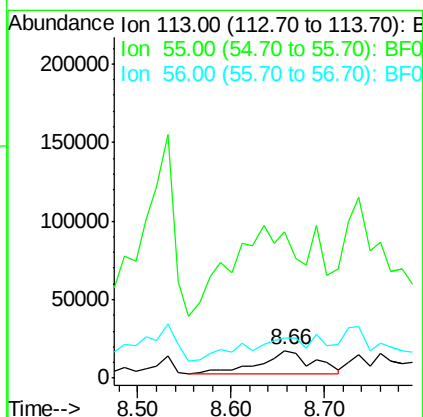
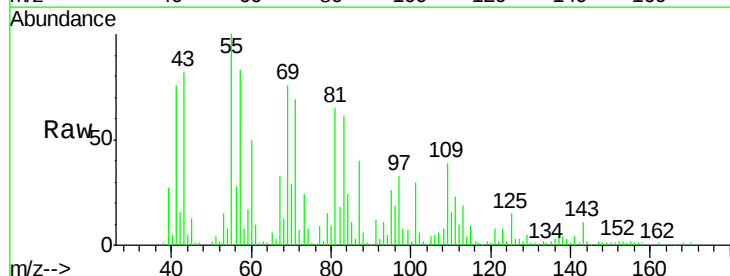
Instrument :
BNA_F
ClientSampleId :
S8-0618

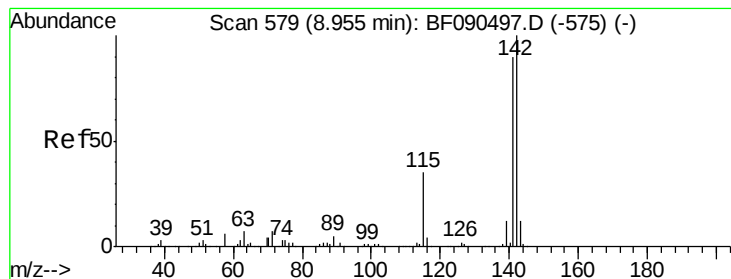
Tgt Ion:	127	Resp:	390714
Ion	Ratio	Lower	Upper
127	100		
129	84.9	26.2	39.4#
65	0.0	32.5	48.7#
92	0.6	17.2	25.8#



#35
Caprolactam
Concen: 16.00 ng
RT: 8.66 min Scan# 553
Delta R.T. -0.02 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

Tgt Ion:	113	Resp:	58198
Ion	Ratio	Lower	Upper
113	100		
55	524.8	203.3	243.3#
56	146.2	140.5	180.5

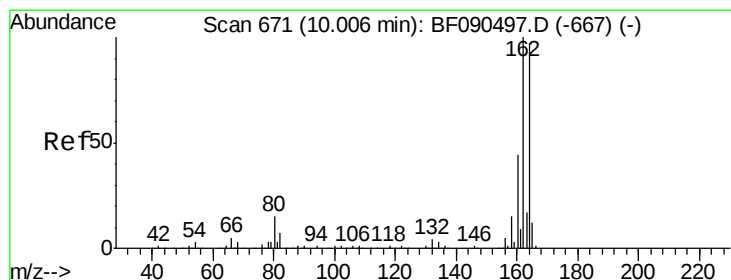
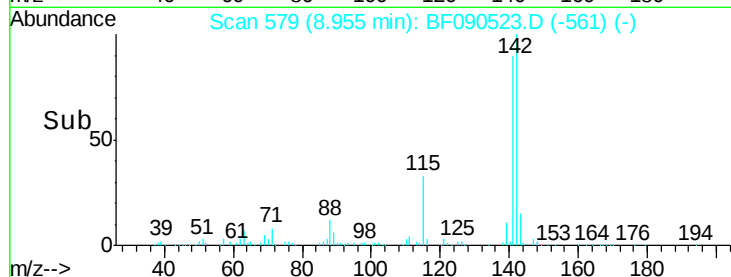
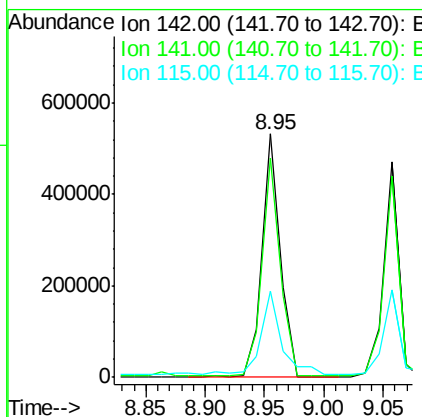
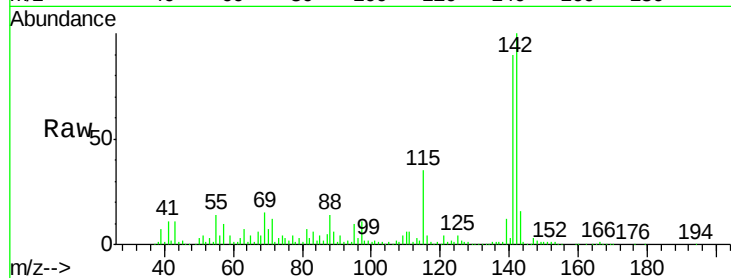




#37
 2-Methylnaphthalene
 Concen: 19.72 ng
 RT: 8.95 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF090523.D
 Acq: 12 Oct 2016 1:24

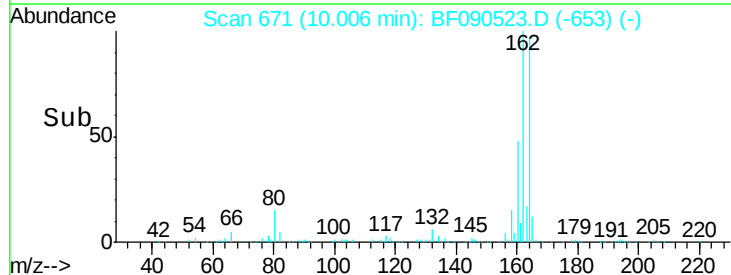
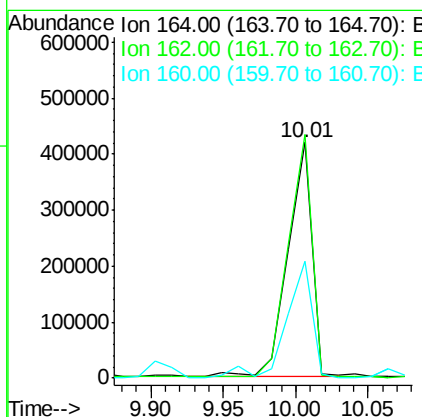
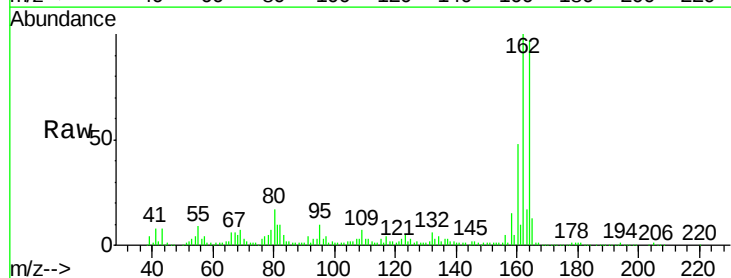
Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

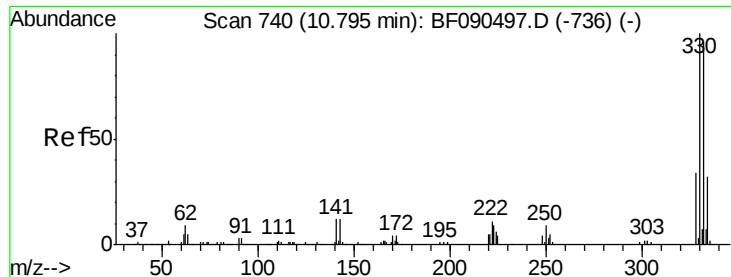
Tgt Ion:142 Resp: 576908
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.8 107.8
 115 35.1 28.8 43.2



#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

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

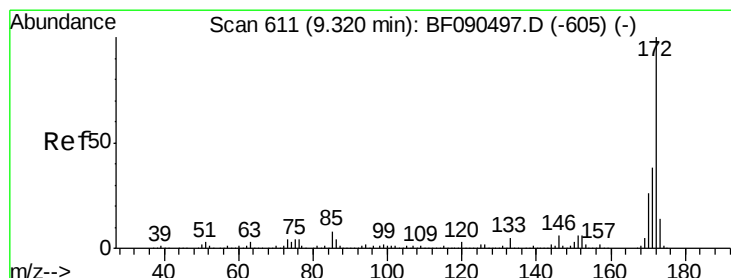
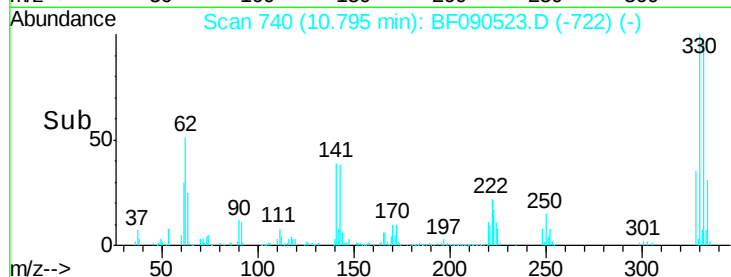
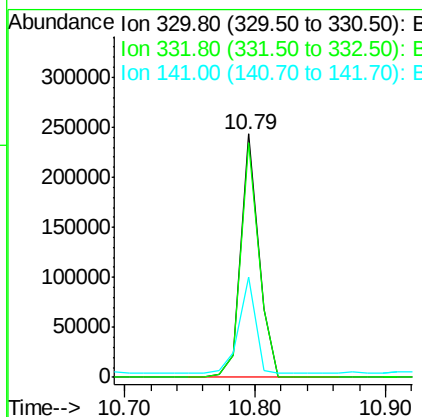
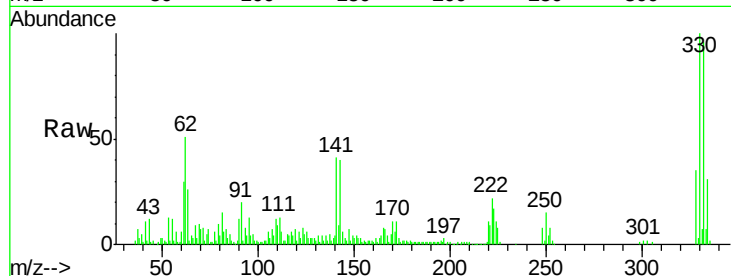




#41
 2,4,6-Tribromophenol
 Concen: 49.22 ng
 RT: 10.79 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF090523.D
 Acq: 12 Oct 2016 1:24

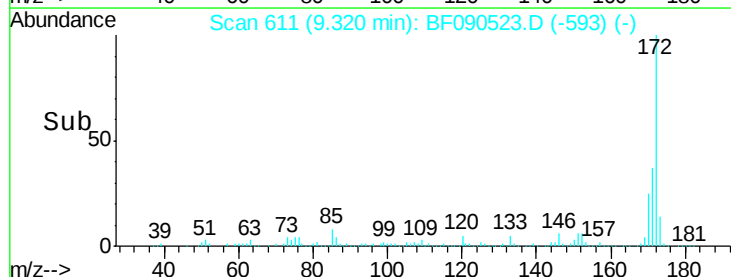
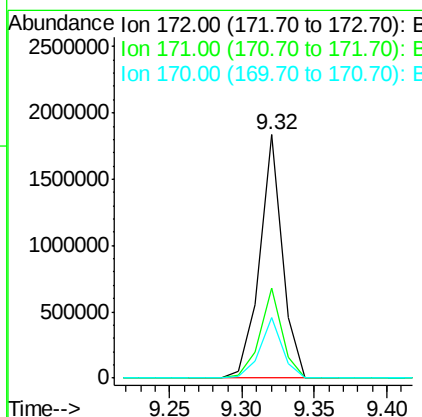
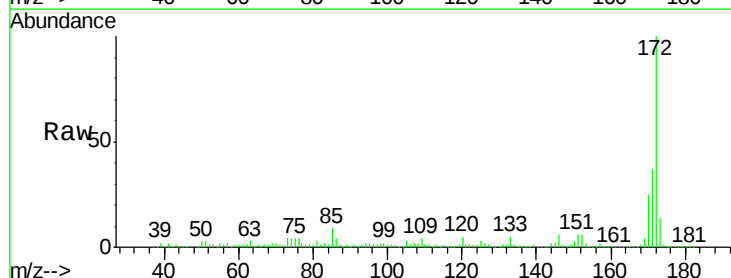
Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

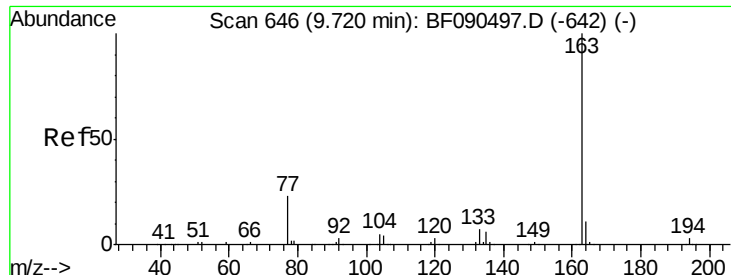
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.0
141	37.7	26.9	40.3



#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

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

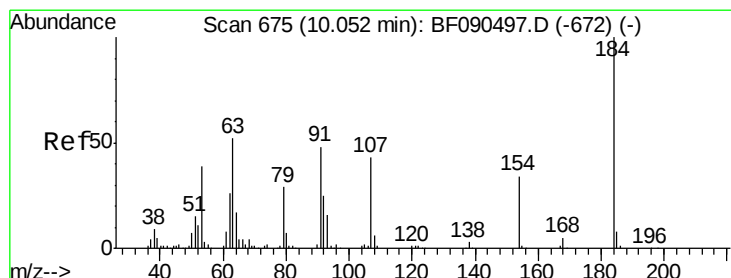
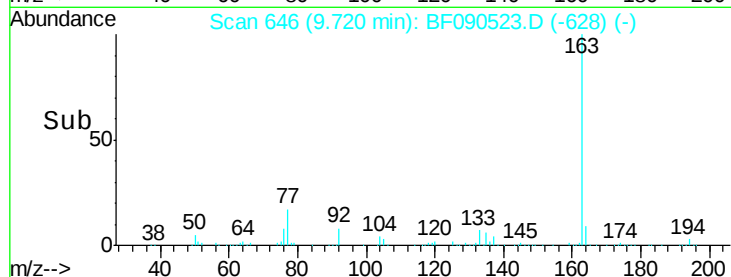
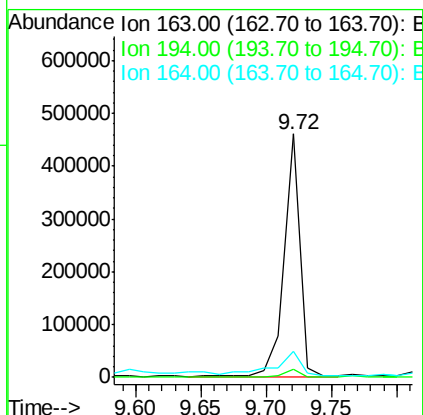
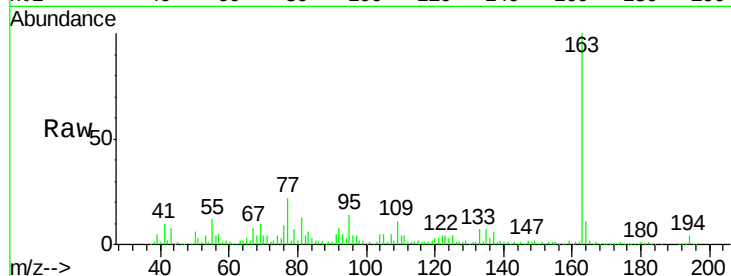




#49
Dimethylphthalate
Concen: 12.25 ng
RT: 9.72 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

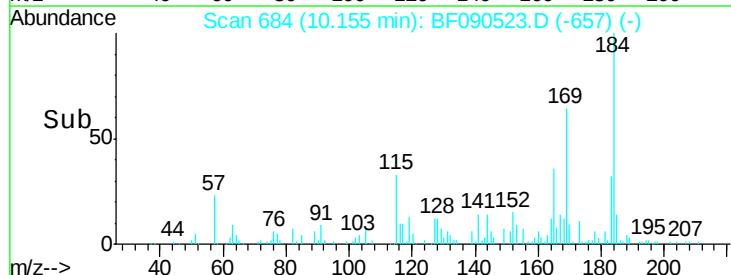
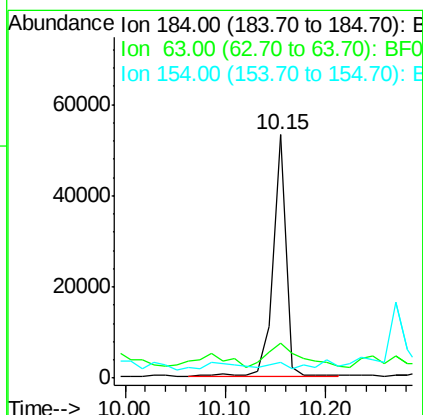
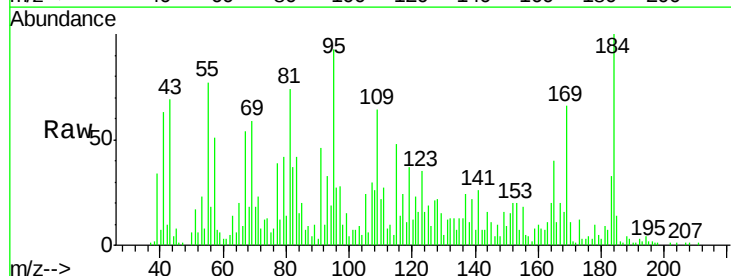
Instrument :
BNA_F
ClientSampleId :
S8-0618

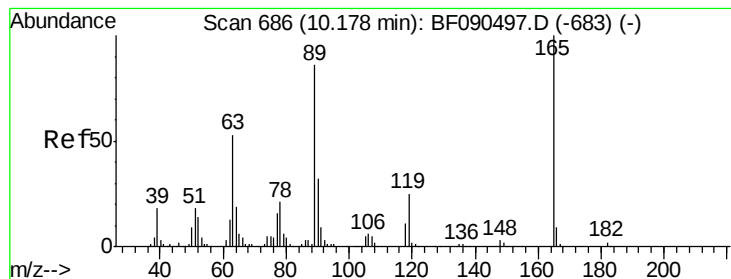
Tgt Ion:163 Resp: 391839
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 10.7 9.0 13.4



#53
2,4-Dinitrophenol
Concen: 12.14 ng
RT: 10.15 min Scan# 684
Delta R.T. 0.10 min
Lab File: BF090523.D
Acq: 12 Oct 2016 1:24

Tgt Ion:184 Resp: 47579
Ion Ratio Lower Upper
184 100
63 14.4 41.9 62.9#
154 6.5 48.9 73.3#





#56

2,4-Dinitrotoluene

Concen: 2.88 ng

RT: 10.15 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF090523.D

Acq: 12 Oct 2016 1:24

Instrument :

BNA_F

ClientSampleId :

S8-0618

Tgt Ion:165 Resp: 26861

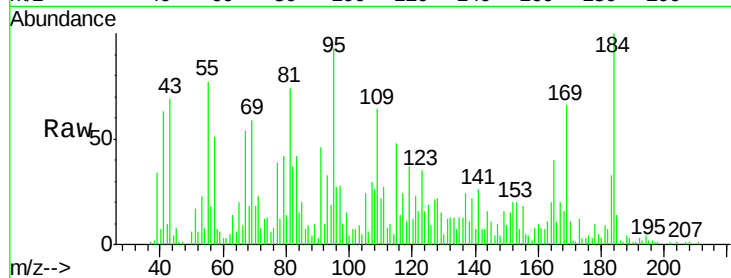
Ion Ratio Lower Upper

165 100

63 35.6 17.8 26.6#

89 24.1 33.2 49.8#

182 17.1 2.1 3.1#

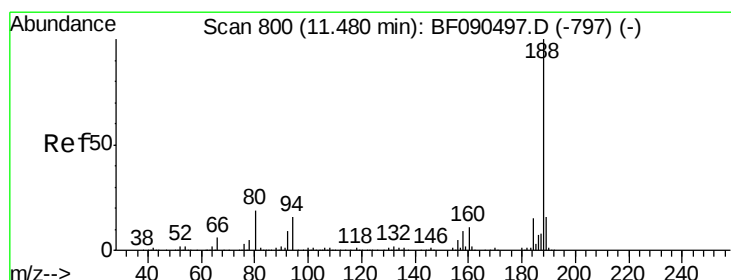
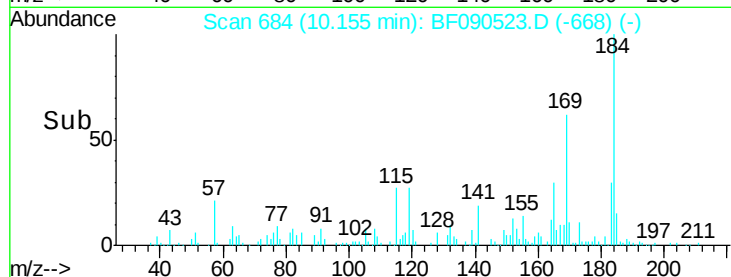
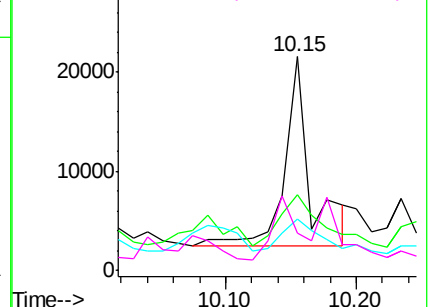


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): 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

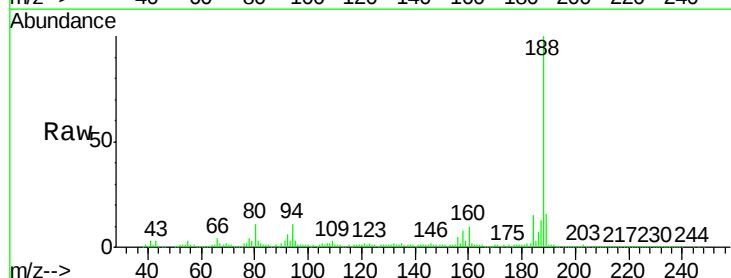
Tgt Ion:188 Resp: 776875

Ion Ratio Lower Upper

188 100

94 11.0 8.2 12.2

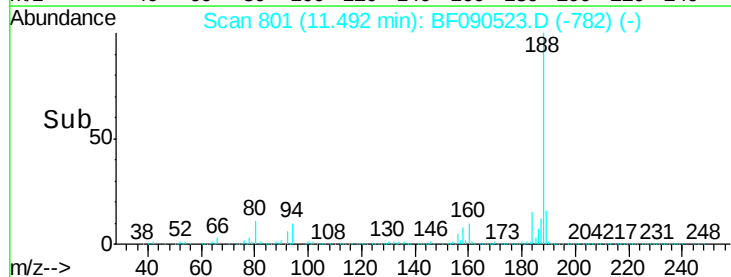
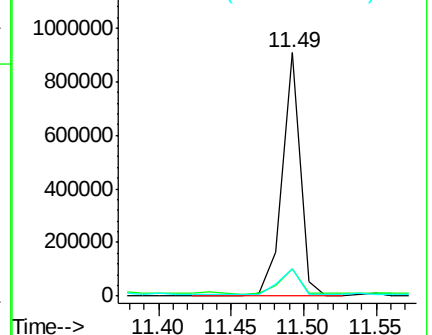
80 11.5 8.8 13.2

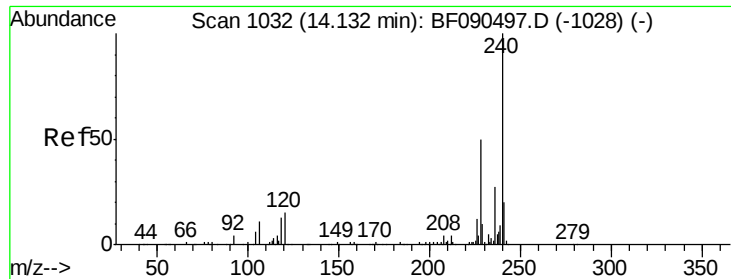


Abundance Ion 188.00 (187.70 to 188.70): E

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

Instrument :

BNA_F

ClientSampleId :

S8-0618

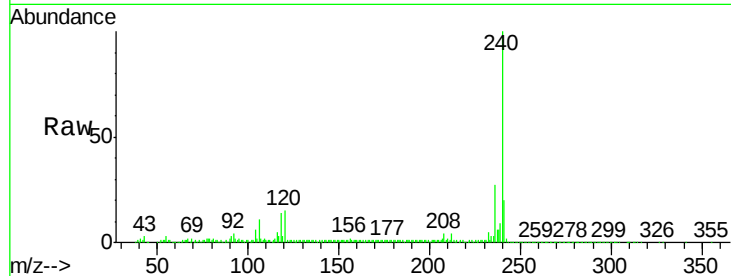
Tgt Ion:240 Resp: 539318

Ion Ratio Lower Upper

240 100

120 15.4 8.6 13.0#

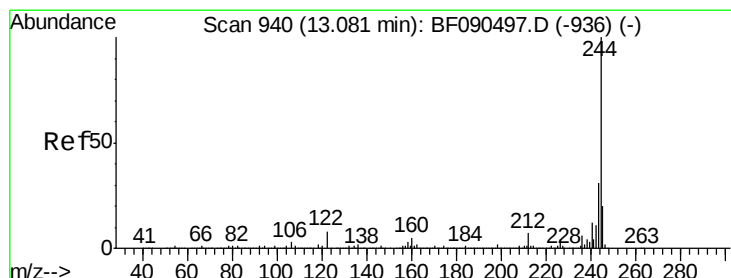
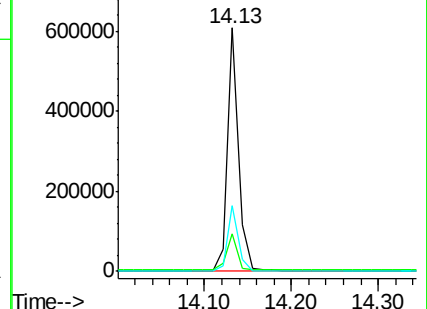
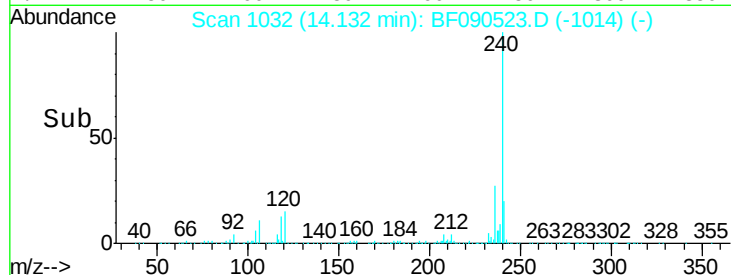
236 27.1 21.6 32.4



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

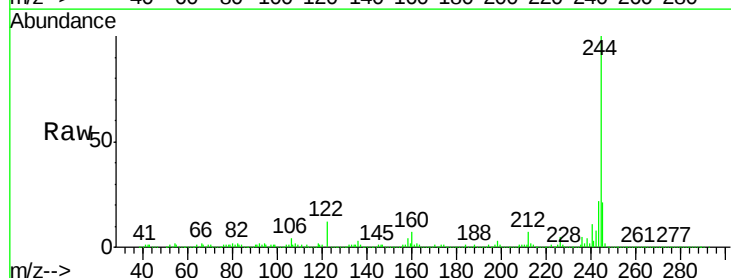
Tgt Ion:244 Resp: 1816898

Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

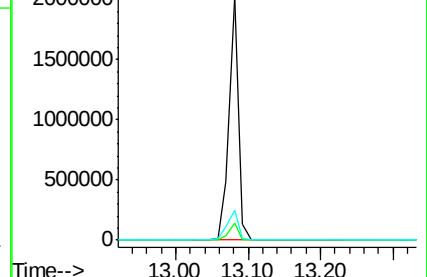
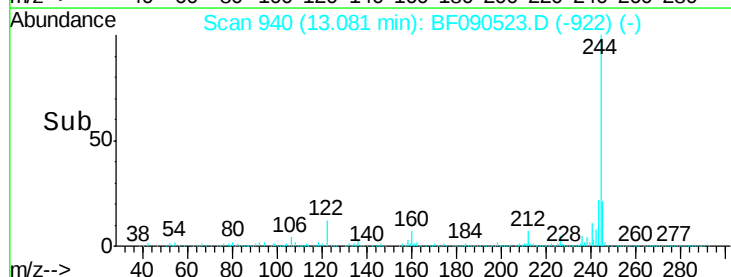
122 12.2 13.3 19.9#

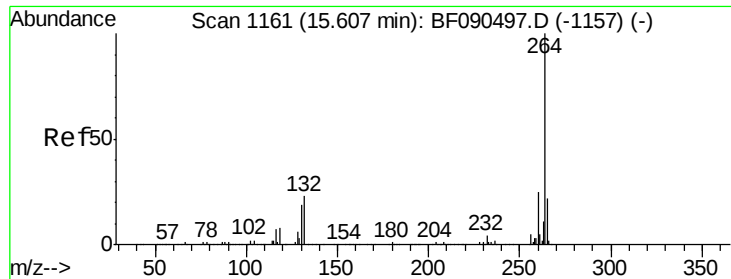


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#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

Instrument :
BNA_F
ClientSampleId :
S8-0618

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

