

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
 Data File : BF088495.D
 Acq On : 28 Jun 2016 23:02
 Operator : UM/SJ
 Sample : H3766-03 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4A

Quant Time: Jun 29 01:30:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

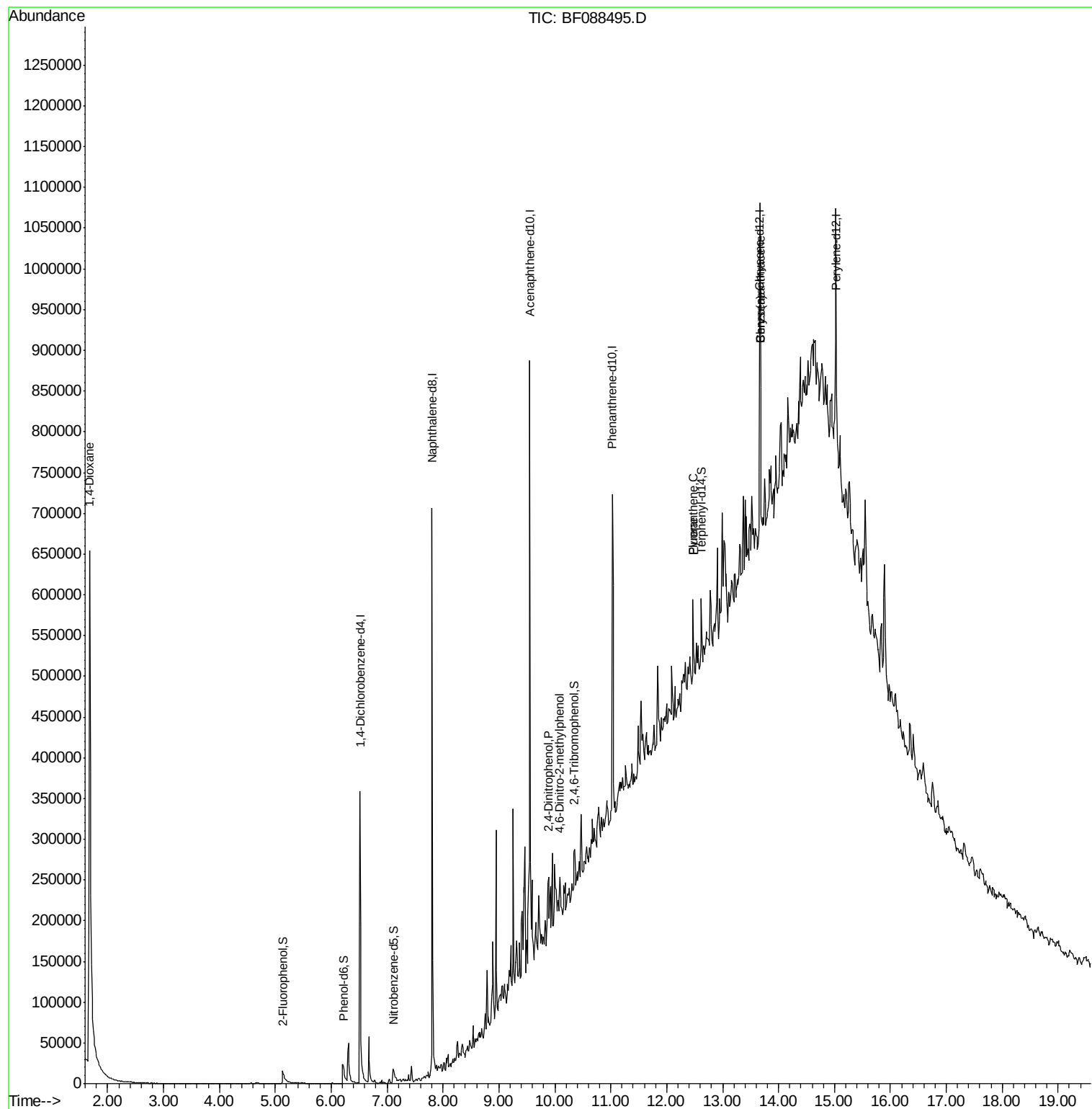
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	86903	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	352405	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	141239	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	213996	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	155808	20.00	ng	-0.02
86) Perylene-d12	15.03	264	147581	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	25440	5.00	ng	0.00
7) Phenol-d6	6.22	99	38094	6.18	ng	-0.01
23) Nitrobenzene-d5	7.11	82	21704	3.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	6253	4.19	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	40256	-1.13	ng	-0.03
78) Terphenyl-d14	12.62	244	25583	3.74	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	43347	17.55	ng	# 87
53) 2,4-Dinitrophenol	9.88	184	246	3.34	ng	# 78
57) Fluorene	10.16	166	1593	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.09	198	549	2.55	ng	# 1
74) Fluoranthene	12.47	202	38487	3.25	ng	95
77) Pyrene	12.47	202	40530	3.51	ng	96
80) Benzo(a)anthracene	13.68	228	31849	3.59	ng	# 66
82) Chrysene	13.68	228	32905	3.94	ng	# 72

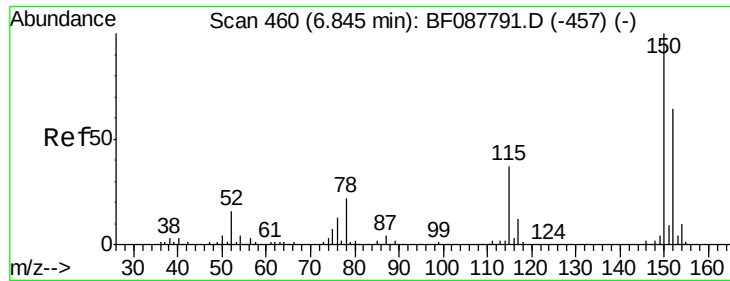
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

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Acq: 28 Jun 2016 23:02

Instrument :

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ClientSampleId :

4A

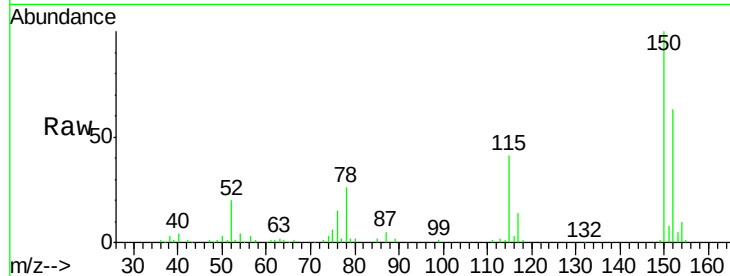
Tgt Ion:152 Resp: 86903

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

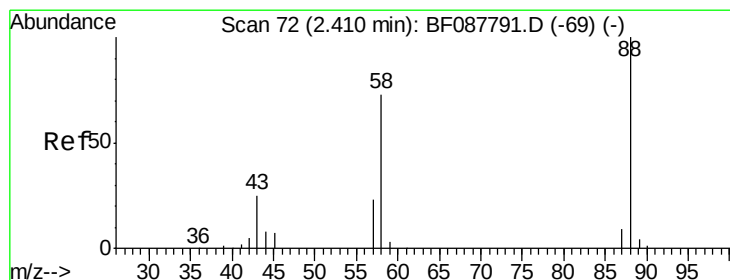
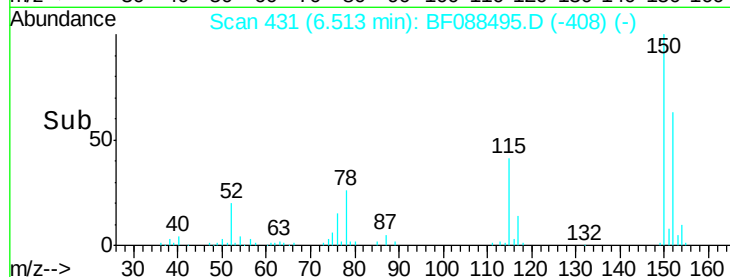
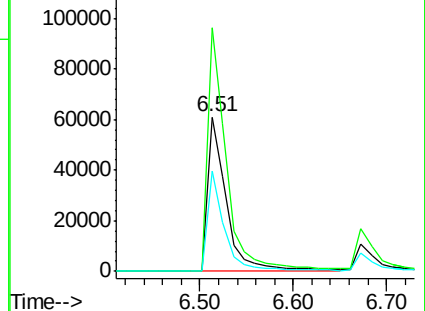
115 65.1 39.6 59.4#



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



#2

1,4-Dioxane

Concen: 17.55 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.26 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

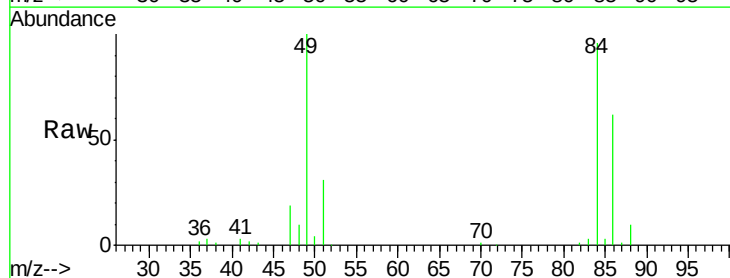
Tgt Ion: 88 Resp: 43347

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

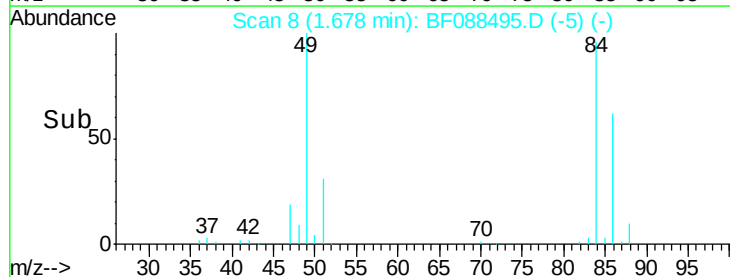
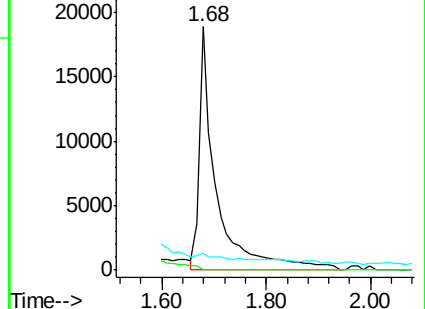
43 0.0 3.4 5.2#

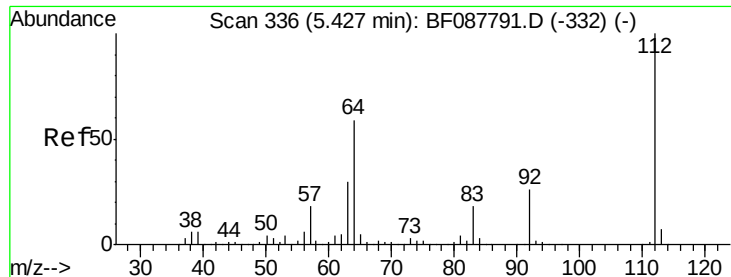


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 5.00 ng

RT: 5.13 min Scan# 310

Delta R.T. -0.00 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Instrument :

BNA_F

ClientSampleId :

4A

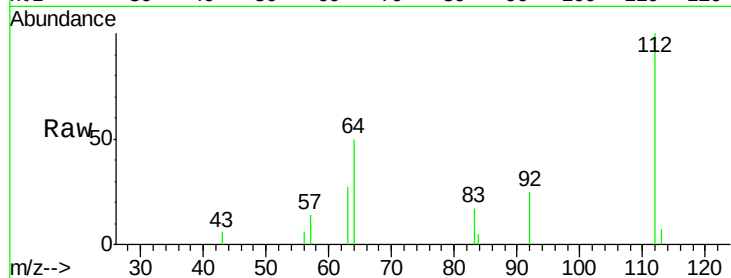
Tgt Ion: 112 Resp: 25440

Ion Ratio Lower Upper

112 100

64 50.4 42.2 63.2

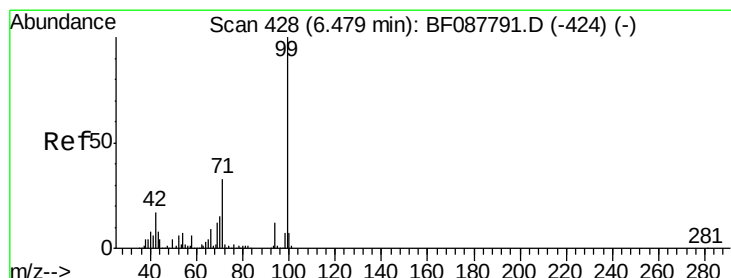
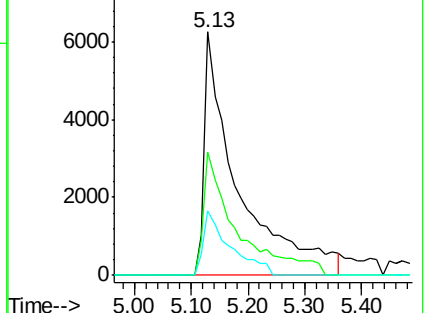
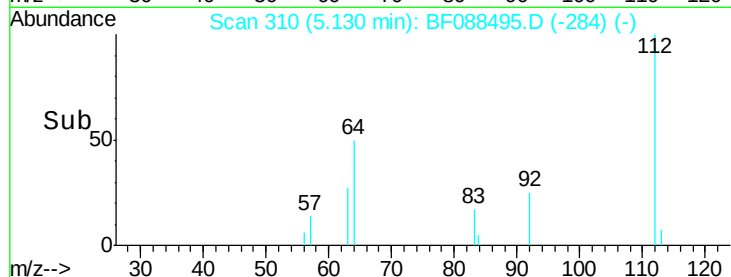
63 26.7 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 6.18 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

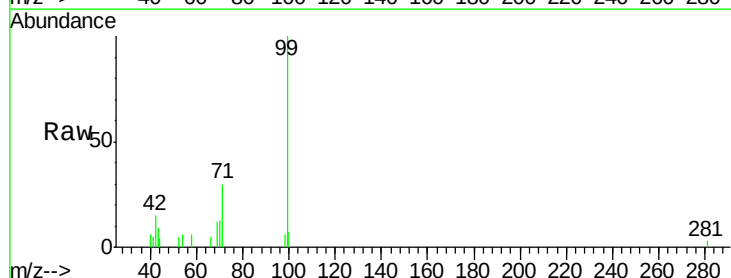
Tgt Ion: 99 Resp: 38094

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

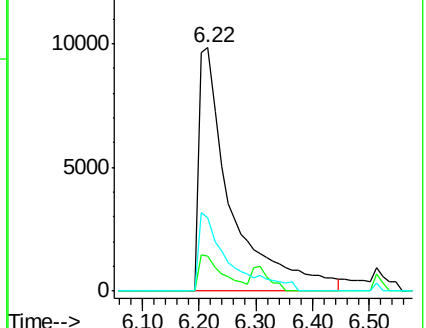
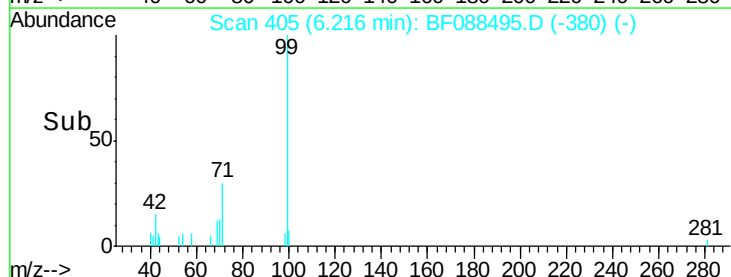
71 30.0 23.4 35.0

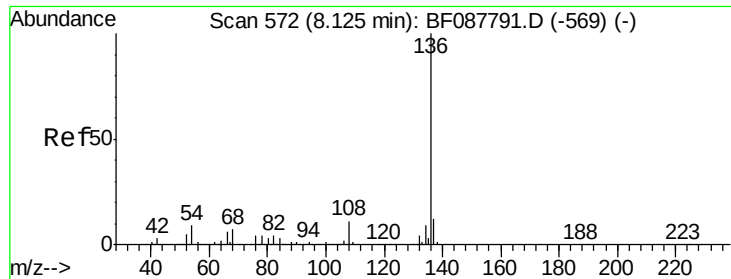


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.03 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Instrument :

BNA_F

ClientSampleId :

4A

Tgt Ion:136 Resp: 352405

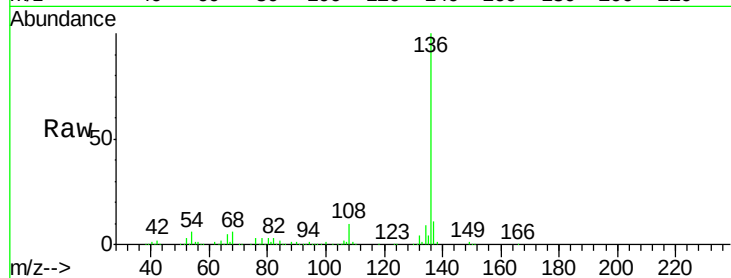
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.2 6.6 10.0#

68 5.5 5.1 7.7

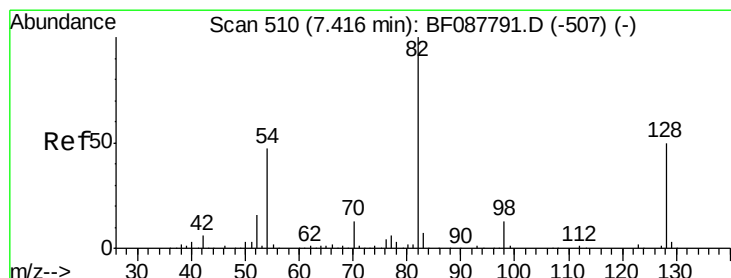
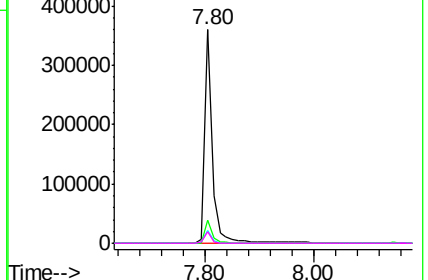
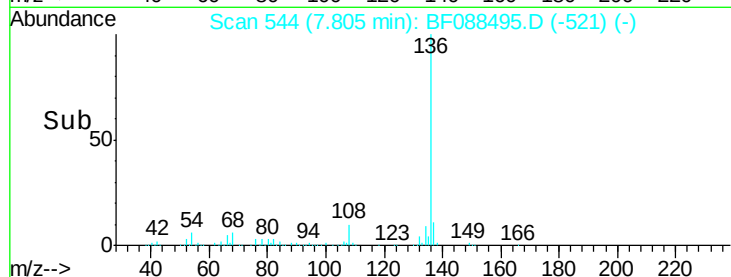


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 3.60 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

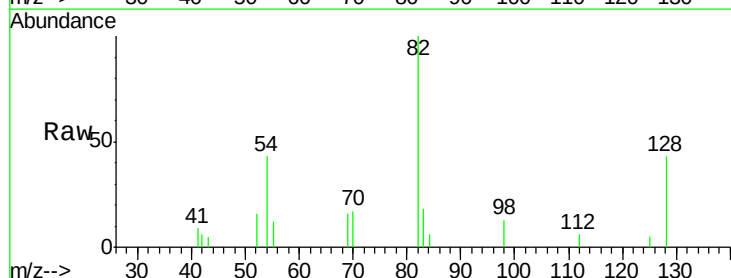
Tgt Ion: 82 Resp: 21704

Ion Ratio Lower Upper

82 100

128 43.0 35.9 53.9

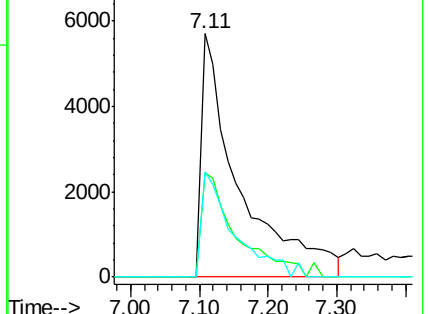
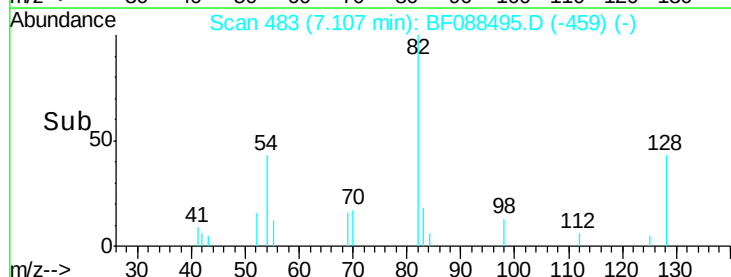
54 43.0 40.9 61.3

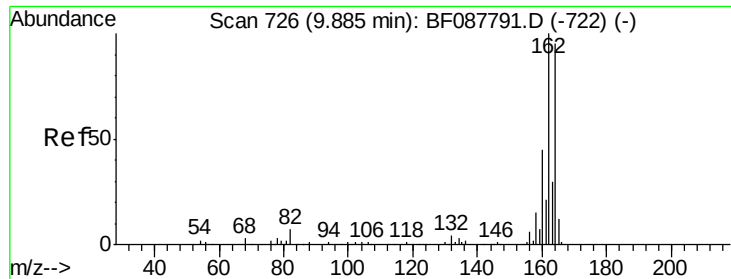


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

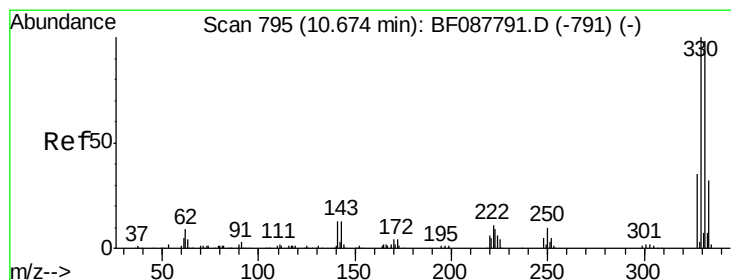
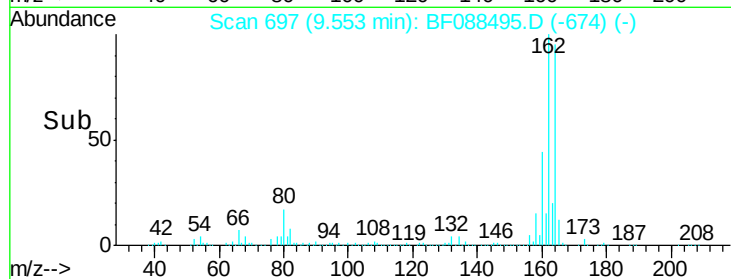
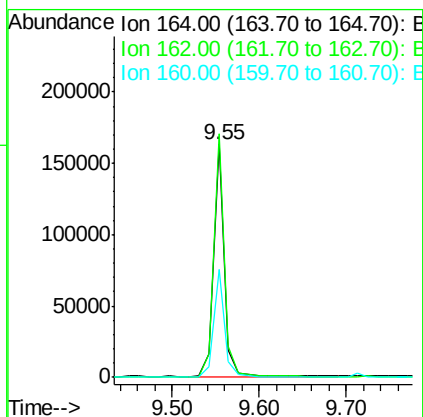
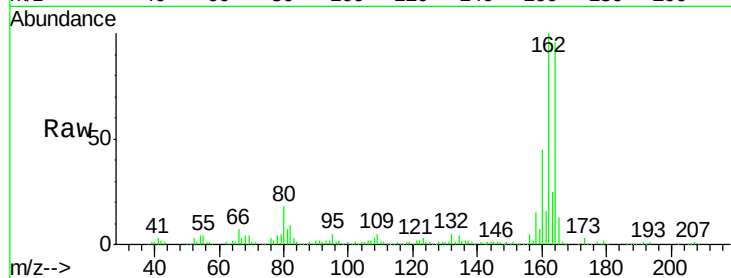




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

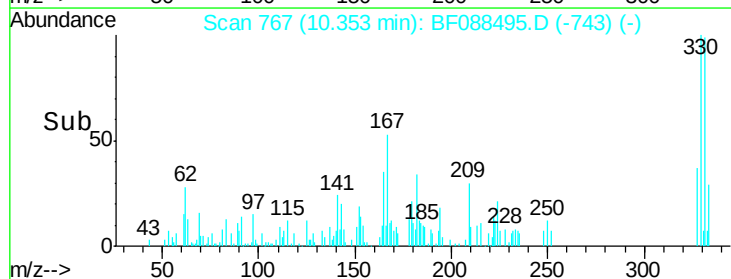
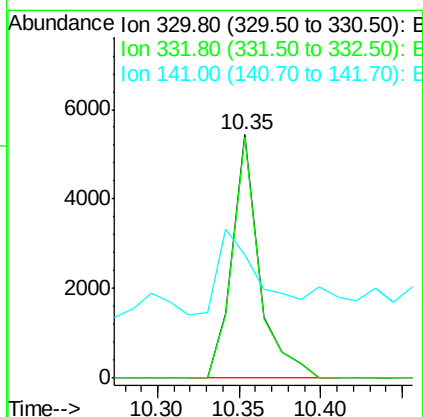
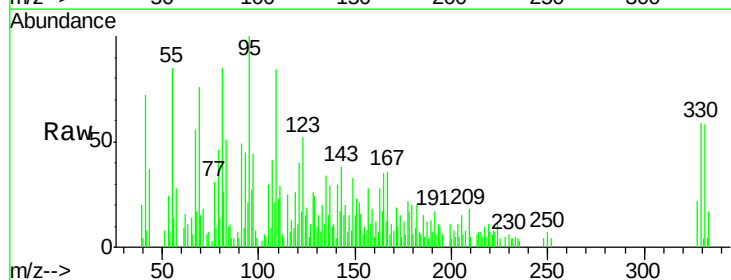
Instrument :
 BNA_F
 ClientSampleId :
 4A

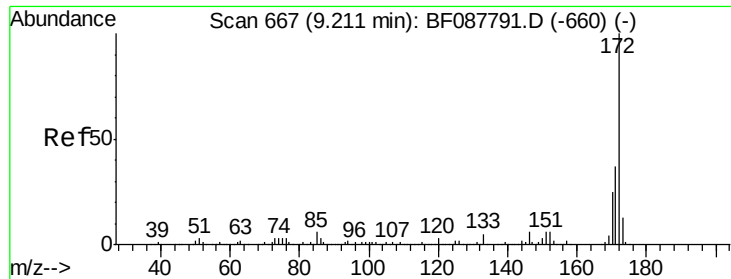
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	46.6	39.5	59.3



#41
 2,4,6-Tribromophenol
 Concen: 4.19 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.9	0.0	0.0#
141	52.3	0.0	0.0#

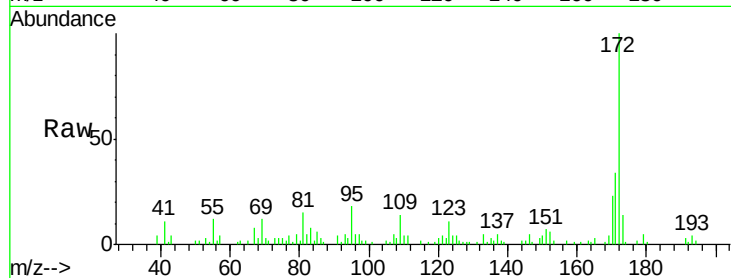




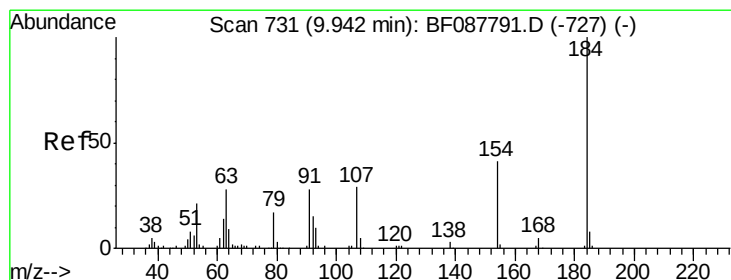
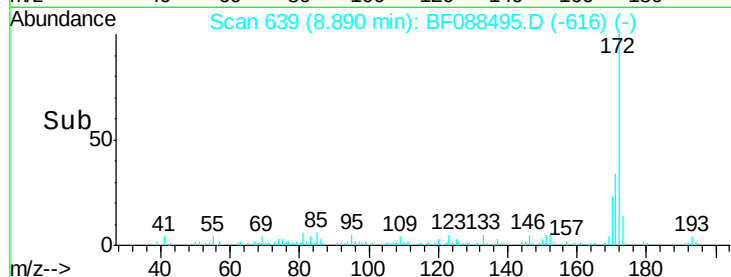
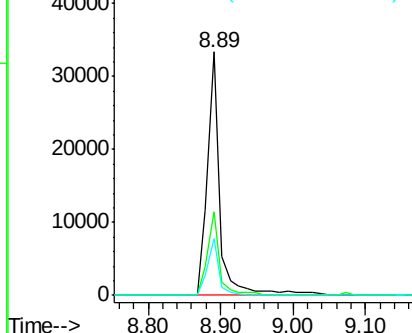
#44
 2-Fluorobiphenyl
 Concen: -1.13 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Instrument :
 BNA_F
 ClientSampleId :
 4A

Tgt Ion:172 Resp: 40256
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 43.0
 170 23.1 19.2 28.8

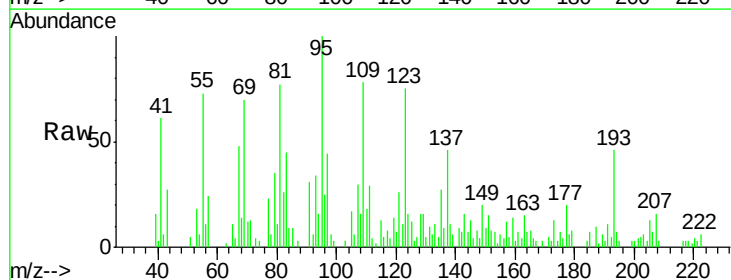


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

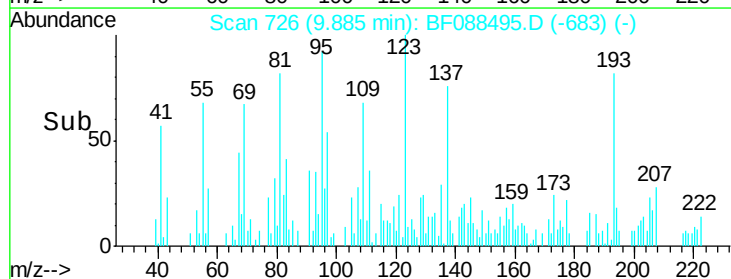
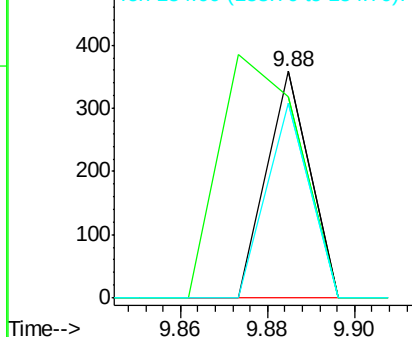


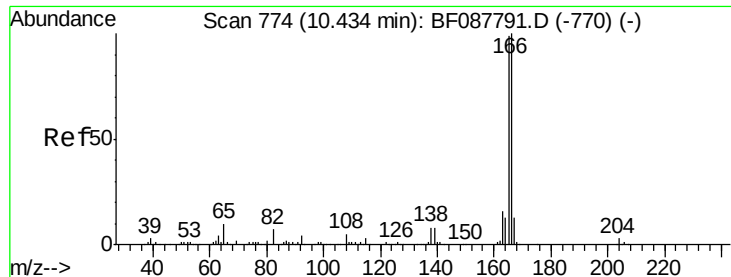
#53
 2,4-Dinitrophenol
 Concen: 3.34 ng
 RT: 9.88 min Scan# 726
 Delta R.T. 0.19 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Tgt Ion:184 Resp: 246
 Ion Ratio Lower Upper
 184 100
 63 88.8 57.6 86.4#
 154 86.0 53.5 80.3#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

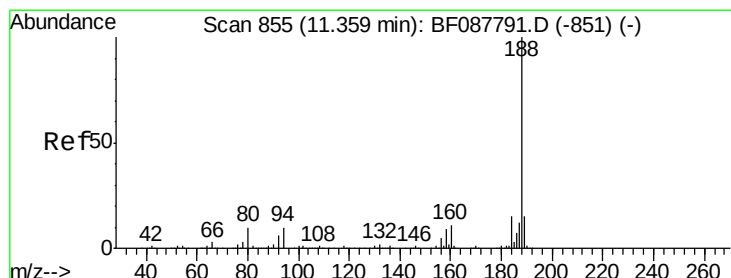
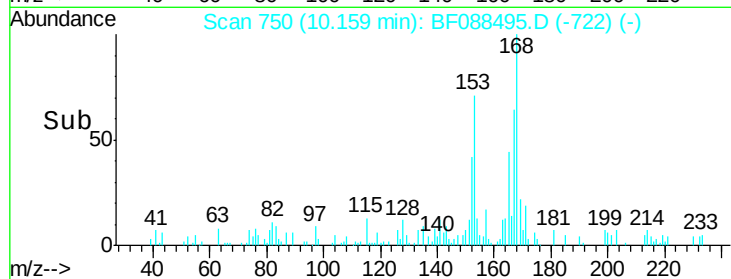
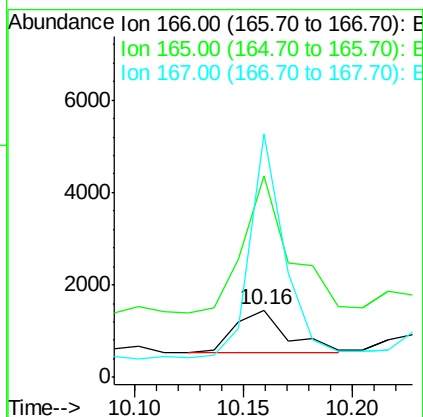
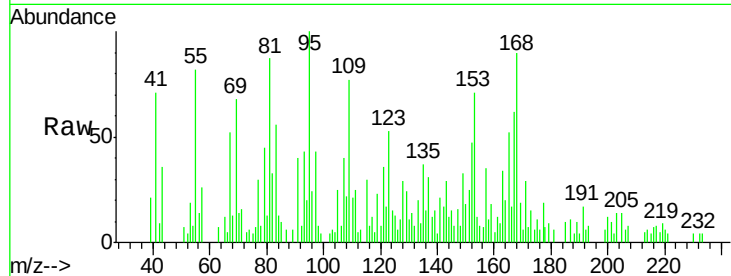




#57
 Fluorene
 Concen: Below Cal
 RT: 10.16 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

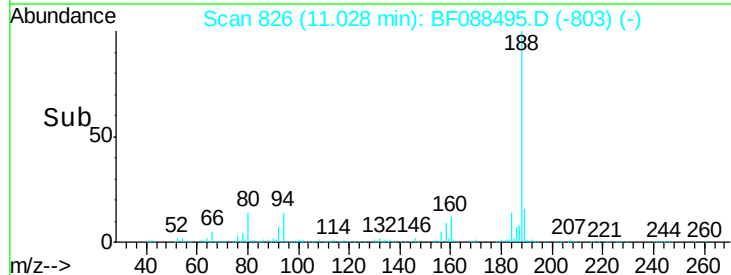
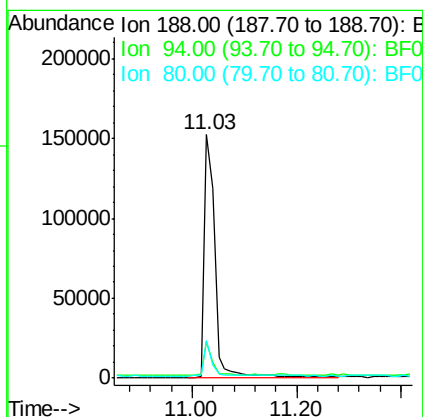
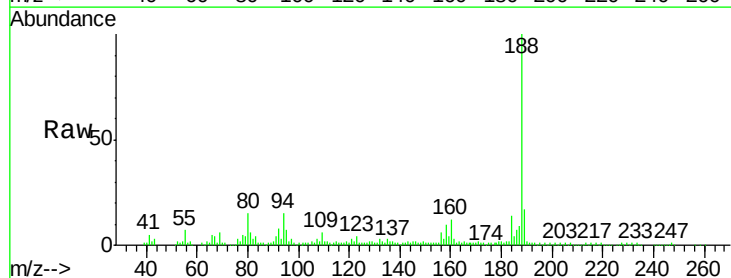
Instrument :
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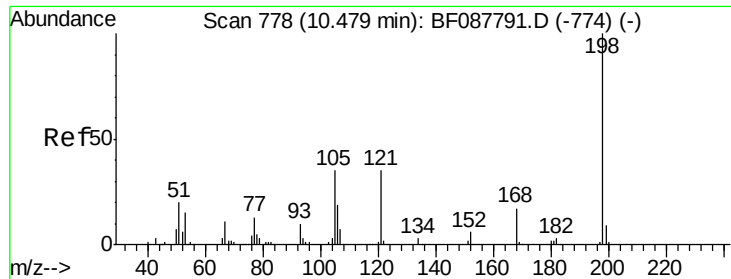
Tgt Ion:166 Resp: 1593
 Ion Ratio Lower Upper
 166 100
 165 300.3 77.8 116.8#
 167 362.3 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.03 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Tgt Ion:188 Resp: 213996
 Ion Ratio Lower Upper
 188 100
 94 14.9 9.0 13.6#
 80 15.3 10.0 15.0#

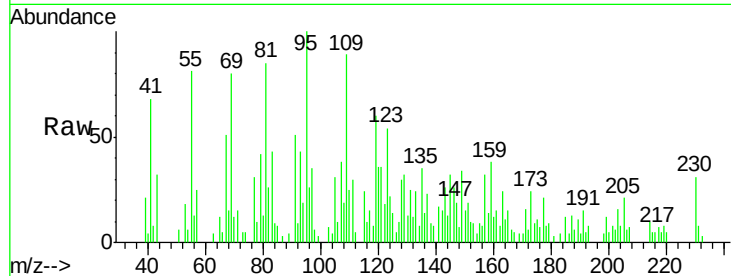




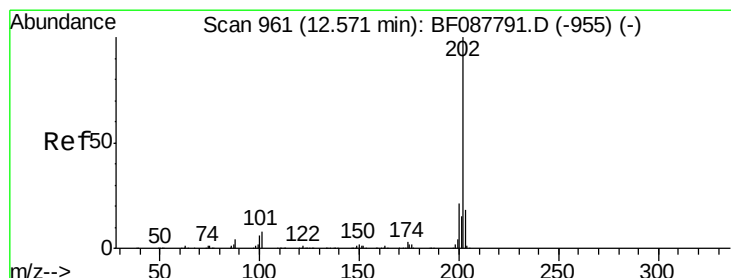
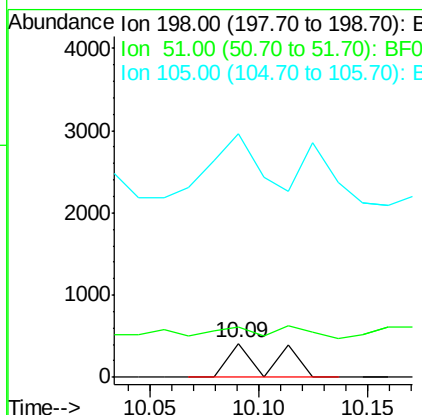
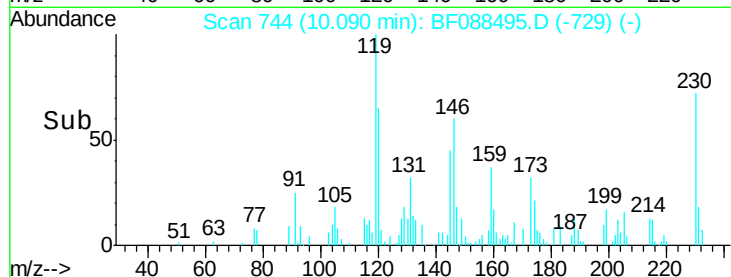
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.55 ng
 RT: 10.09 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Instrument :
 BNA_F
 ClientSampled :
 4A

Tgt Ion:198 Resp: 549
 Ion Ratio Lower Upper
 198 100
 51 146.8 39.6 79.6#
 105 718.4 36.6 76.6#

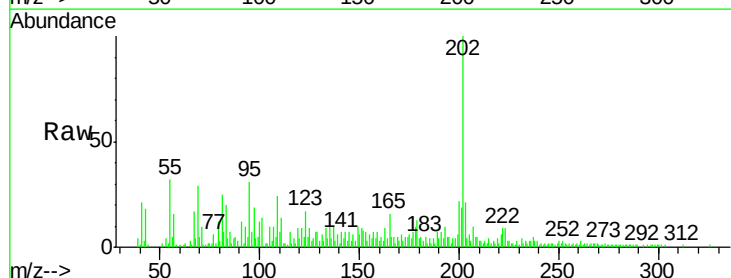


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

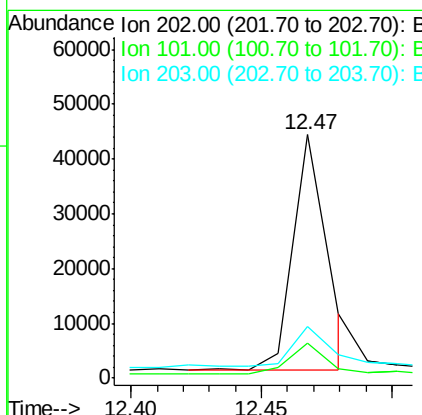
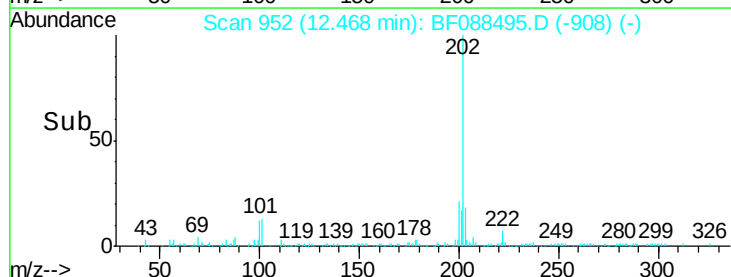


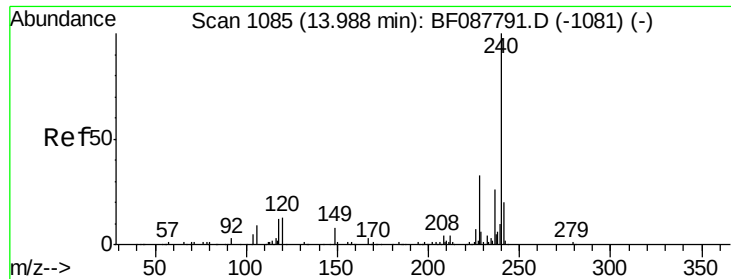
#74
 Fluoranthene
 Concen: 3.25 ng
 RT: 12.47 min Scan# 952
 Delta R.T. 0.21 min
 Lab File: BF088495.D
 Acq: 28 Jun 2016 23:02

Tgt Ion:202 Resp: 38487
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.1
 203 21.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Instrument :

BNA_F

ClientSampleId :

4A

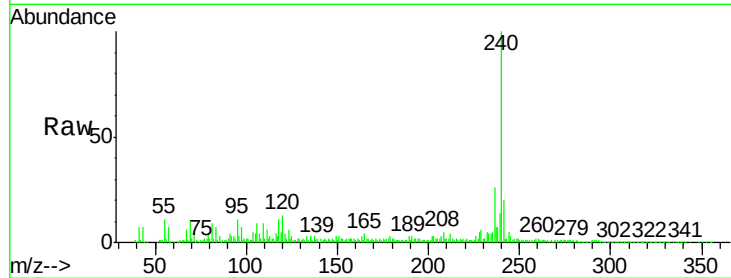
Tgt Ion:240 Resp: 155808

Ion Ratio Lower Upper

240 100

120 13.5 6.8 10.2#

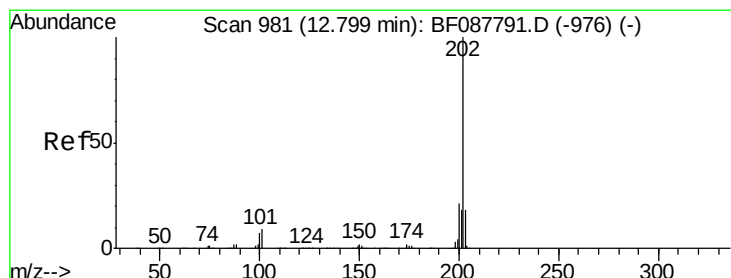
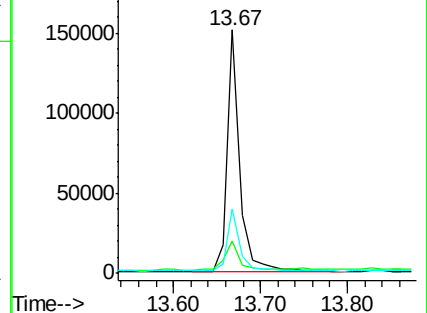
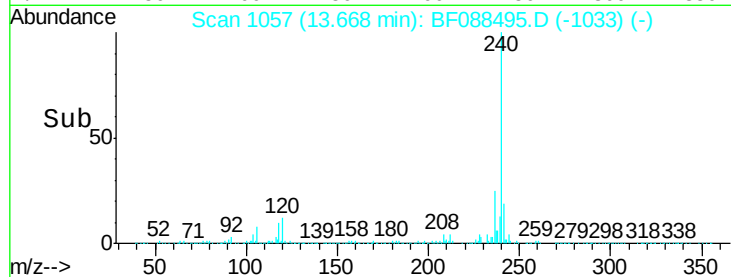
236 26.2 20.2 30.2



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



#77

Pyrene

Concen: 3.51 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

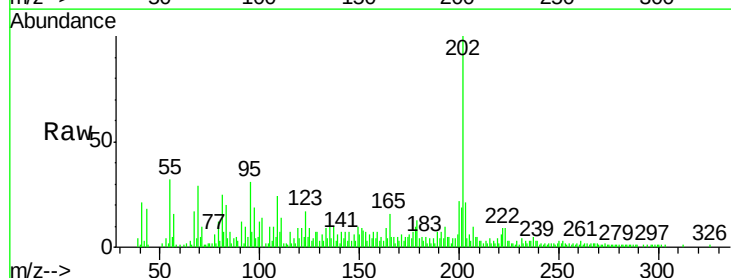
Tgt Ion:202 Resp: 40530

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

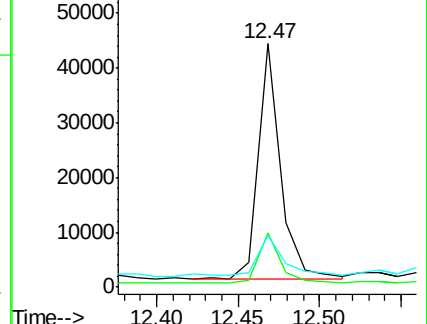
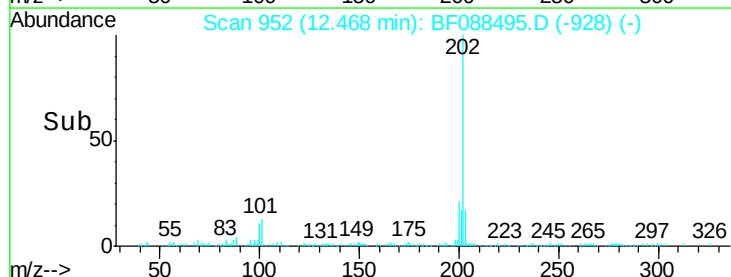
203 21.3 14.5 21.7

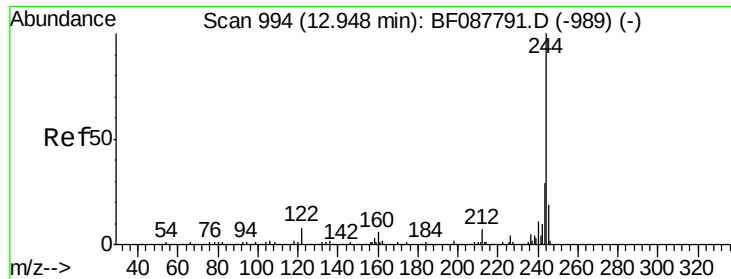


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 3.74 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Instrument :

BNA_F

ClientSampleId :

4A

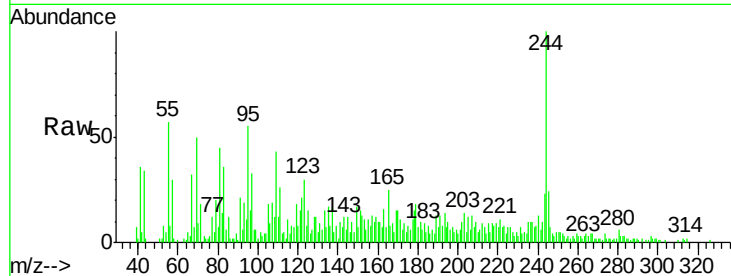
Tgt Ion:244 Resp: 25583

Ion Ratio Lower Upper

244 100

212 9.1 6.0 9.0#

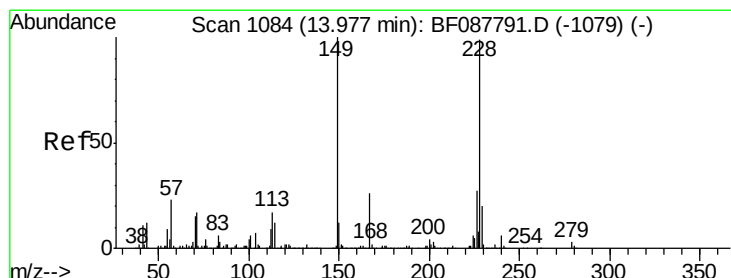
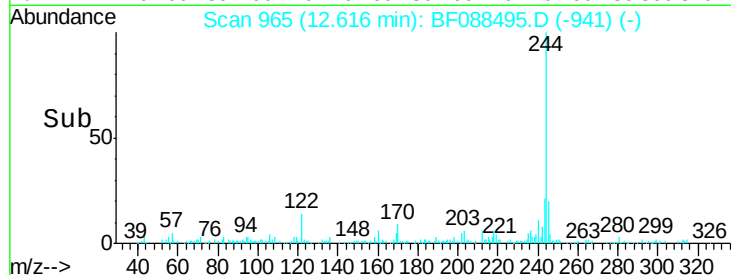
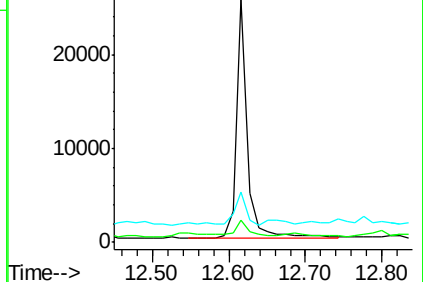
122 20.6 11.2 16.8#



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



#80

Benzo(a)anthracene

Concen: 3.59 ng

RT: 13.68 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

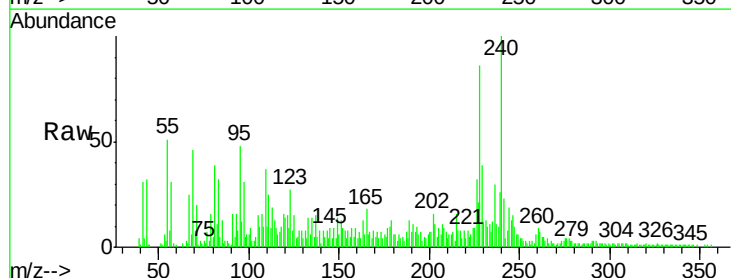
Tgt Ion:228 Resp: 31849

Ion Ratio Lower Upper

228 100

226 37.3 22.3 33.5#

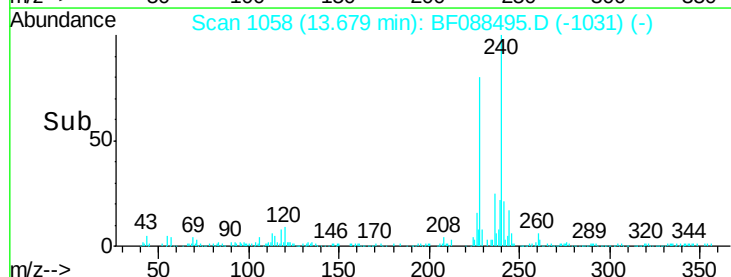
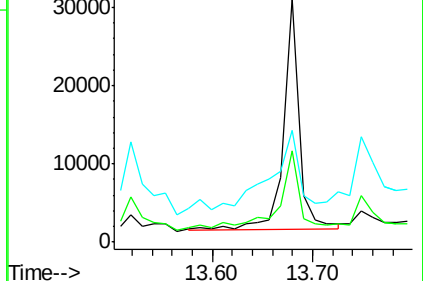
229 45.8 16.0 24.0#

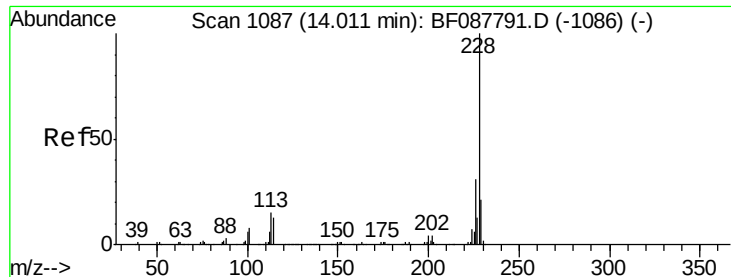


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.94 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Instrument :

BNA_F

ClientSampleId :

4A

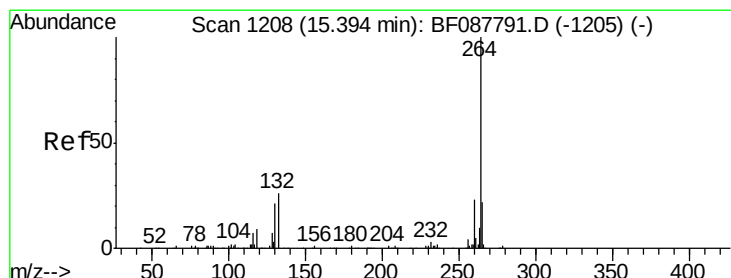
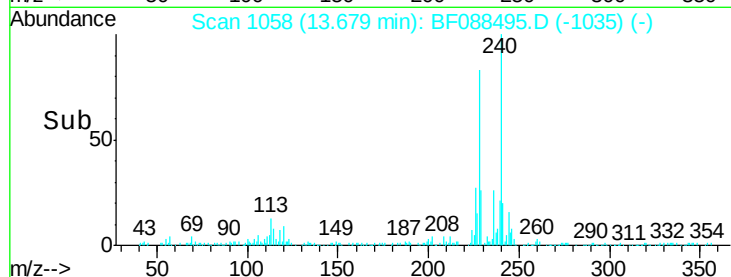
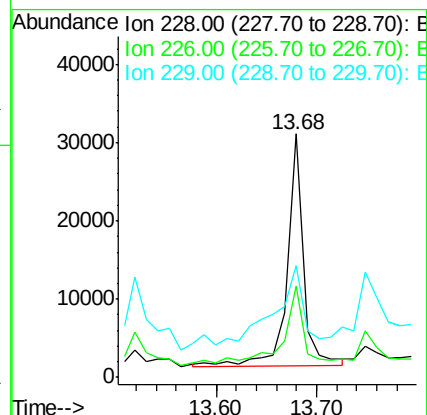
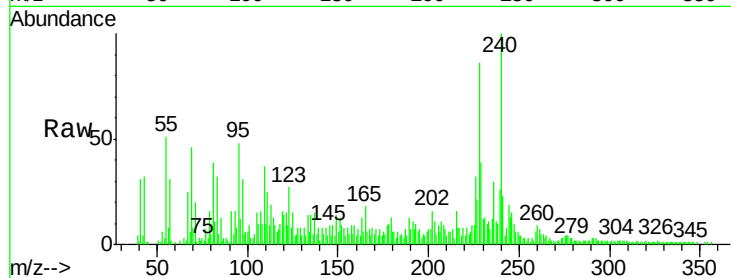
Tgt Ion:228 Resp: 32905

Ion Ratio Lower Upper

228 100

226 37.3 25.4 38.2

229 45.8 16.3 24.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF088495.D

Acq: 28 Jun 2016 23:02

Tgt Ion:264 Resp: 147581

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.6 16.9 25.3

