

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030816\
 Data File : BF085293.D
 Acq On : 9 Mar 2016 8:49
 Operator : UM/SJ
 Sample : H1698-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 10:00:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	130917	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	467855	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	162455	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	299206	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	298938	20.00	ng	-0.01
86) Perylene-d12	15.63	264	200544	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	665438	85.26	ng	-0.01
7) Phenol-d6	6.58	99	778429	76.13	ng	-0.02
23) Nitrobenzene-d5	7.52	82	443506	50.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	114629	82.46	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	694311	65.00	ng	-0.02
78) Terphenyl-d14	13.09	244	657885	51.09	ng	0.00

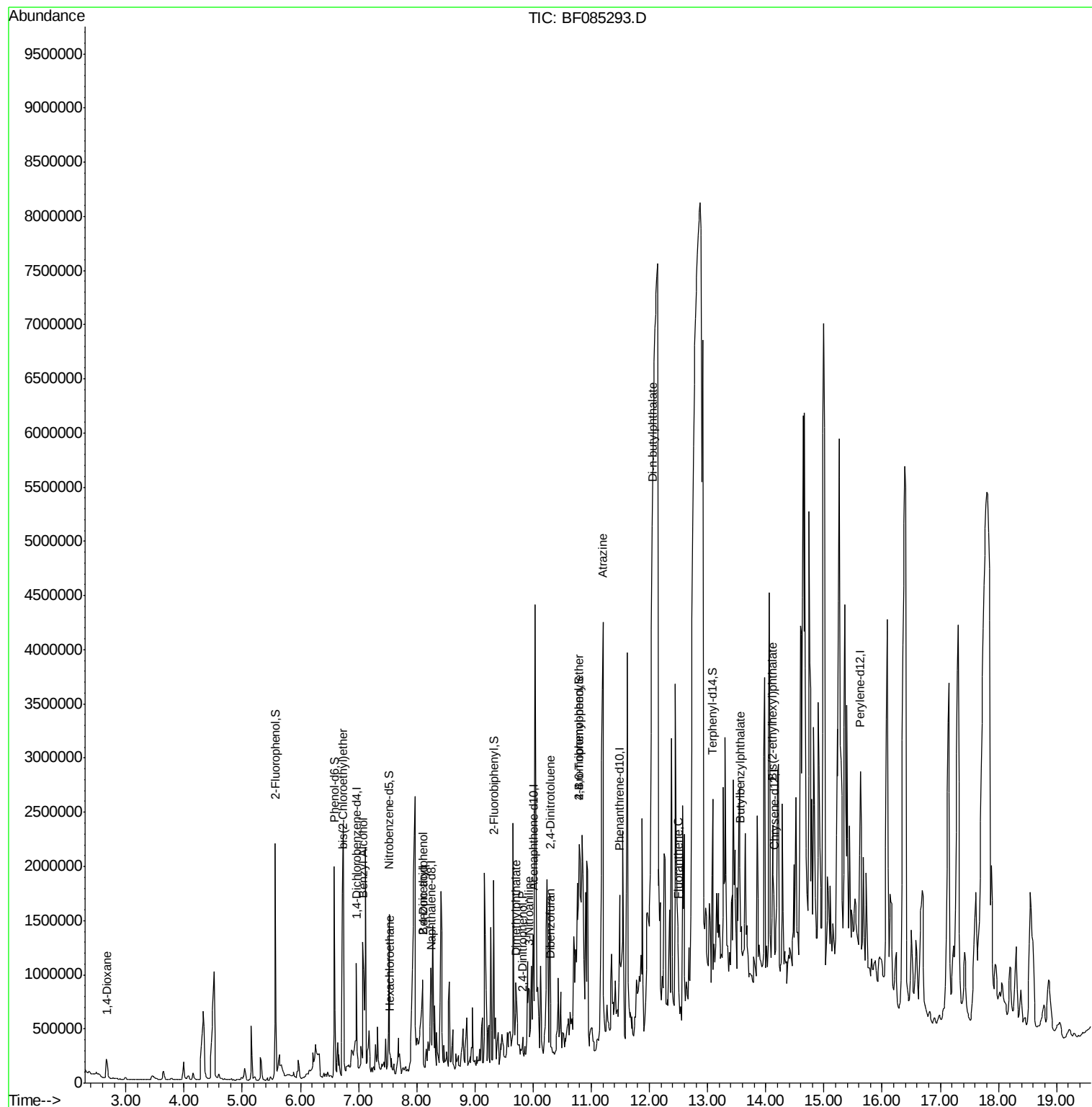
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.66	88	14125	3.54	ng	# 1
9) Benzaldehyde	6.50	77	2258	Below	Cal	85
11) bis(2-Chloroethyl)ether	6.72	93	197020	21.66	ng	# 28
15) Benzyl Alcohol	7.08	79	161928	21.57	ng	# 58
18) Hexachloroethane	7.54	117	16681	4.47	ng	# 3
27) 2,4-Dimethylphenol	8.10	122	635080	80.40	ng	# 7
32) Benzoic acid	8.10	122	638923	121.78	ng	97
49) Dimethylphthalate	9.72	163	62953	5.05	ng	99
52) 3-Nitroaniline	9.93	138	11753	3.68	ng	# 44
53) 2,4-Dinitrophenol	9.82	184	245	8.19	ng	# 19
54) Dibenzofuran	10.30	168	113555	8.67	ng	# 48
56) 2,4-Dinitrotoluene	10.29	165	120517	35.30	ng	# 31
66) 4-Bromophenyl-phenylether	10.79	248	8013	2.76	ng	# 1
68) Atrazine	11.20	200	7402	2.86	ng	# 53
73) Di-n-butylphthalate	12.05	149	43423	2.35	ng	# 89
74) Fluoranthene	12.49	202	170632	10.84	ng	89
79) Butylbenzylphthalate	13.56	149	30455	2.98	ng	# 23
83) Bis(2-ethylhexyl)phthalate	14.12	149	354690	26.40	ng	# 97

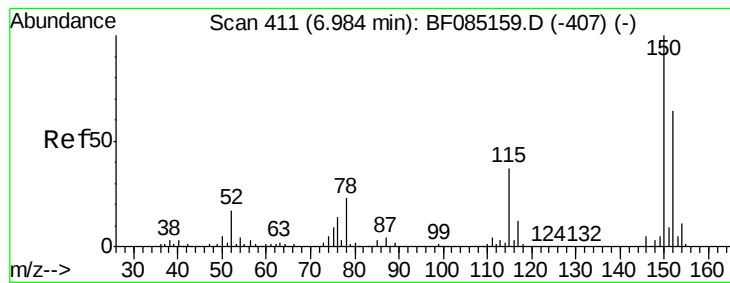
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

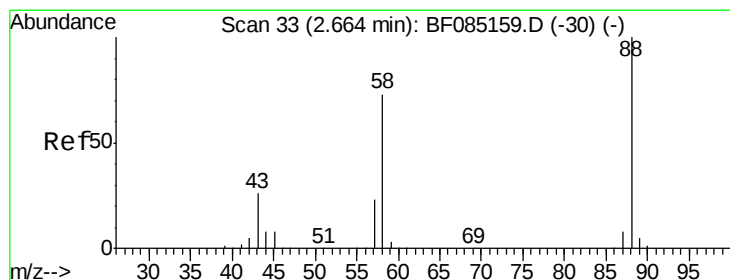
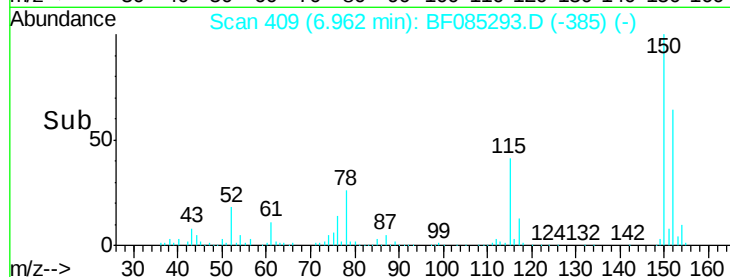
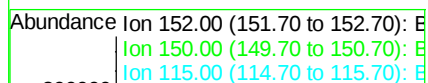
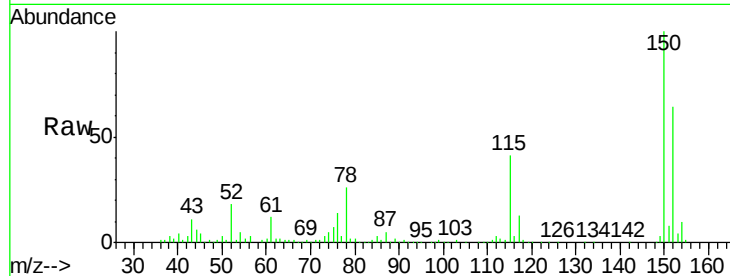
Tot Ion:152 Resp: 130917

Ion Ratio Lower Upper

152 100

150 155.7 124.6 186.8

115 63.8 46.6 70.0



#2

1,4-Dioxane

Concen: 3.54 ng

RT: 2.66 min Scan# 33

Delta R.T. 0.00 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

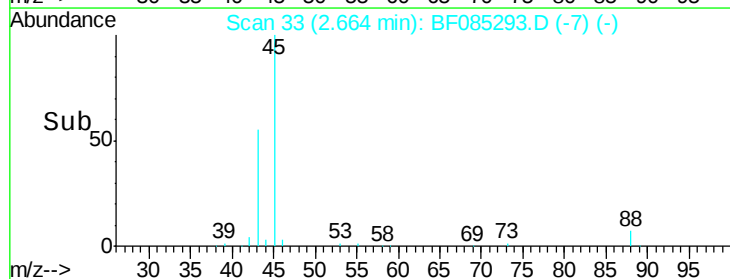
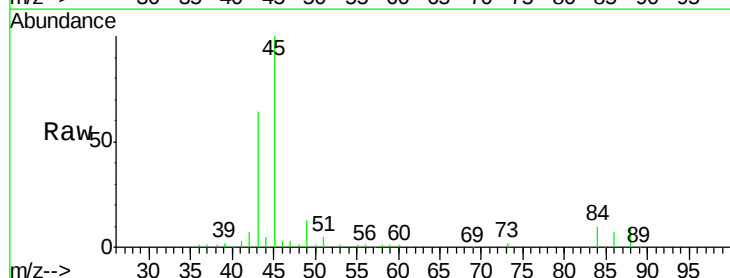
Tgt Ion: 88 Resp: 14125

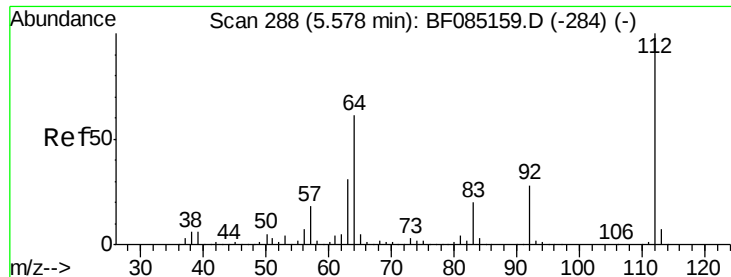
Ion Ratio Lower Upper

88 100

58 5.1 57.0 85.6#

43 655.3 20.5 30.7#





#5

2-Fluorophenol

Concen: 85.26 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

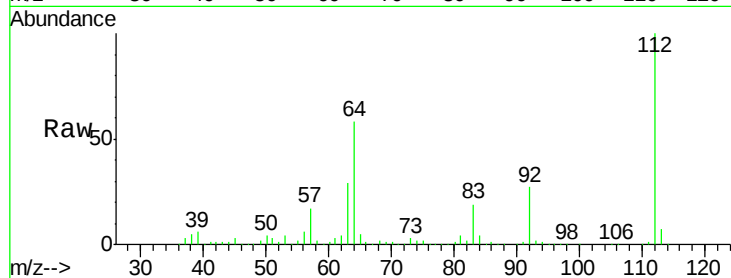
Tot Ion:112 Resp: 665438

Ion Ratio Lower Upper

112 100

64 57.8 49.0 73.4

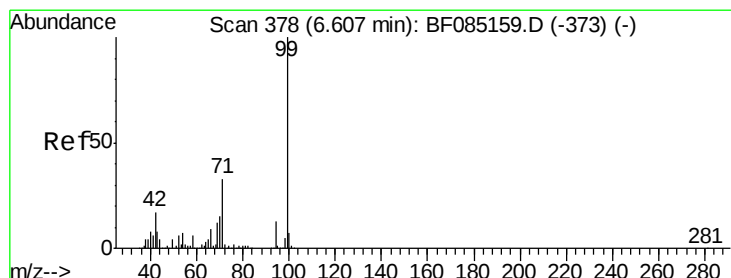
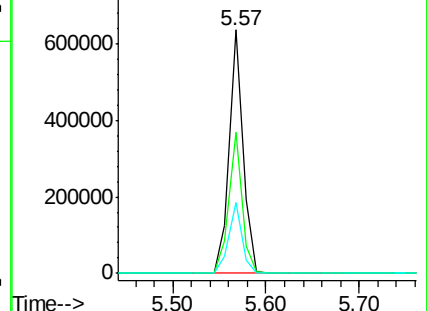
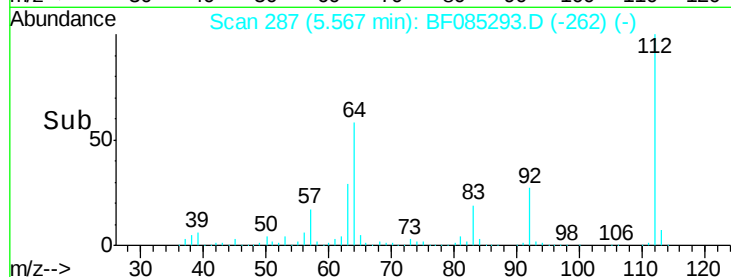
63 29.0 24.8 37.2



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: 76.13 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

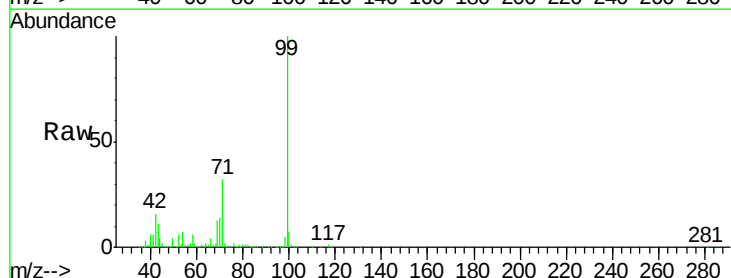
Tgt Ion: 99 Resp: 778429

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

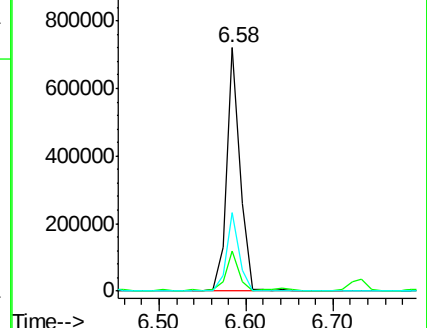
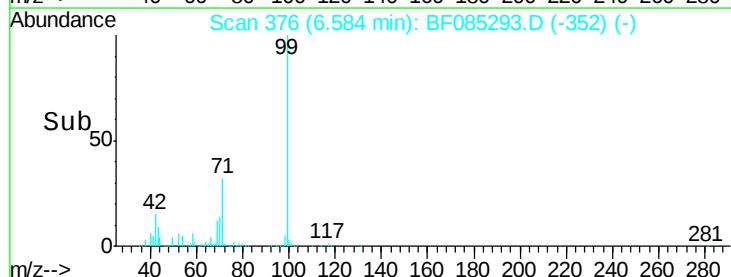
71 32.5 26.7 40.1

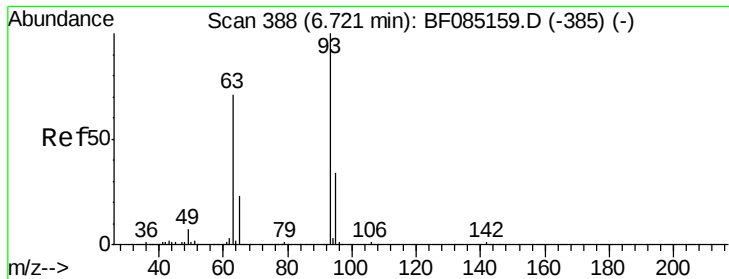


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

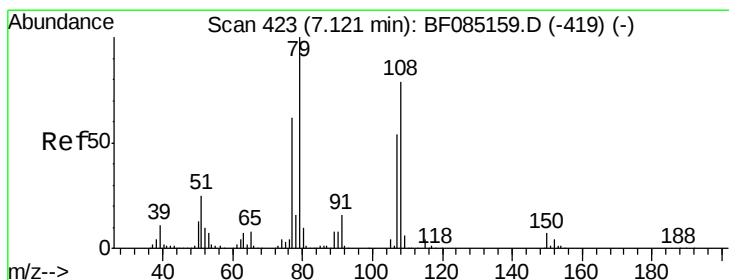
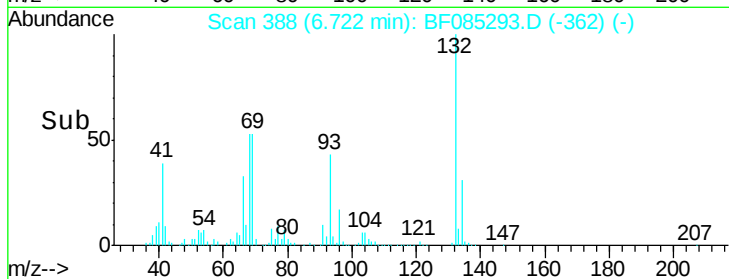
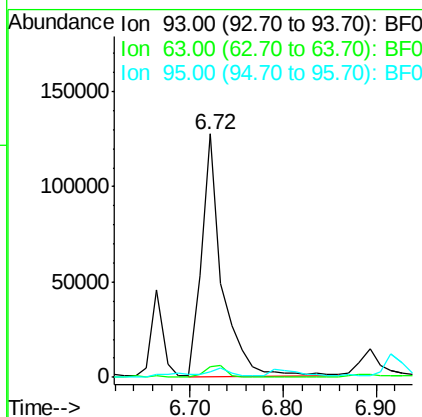
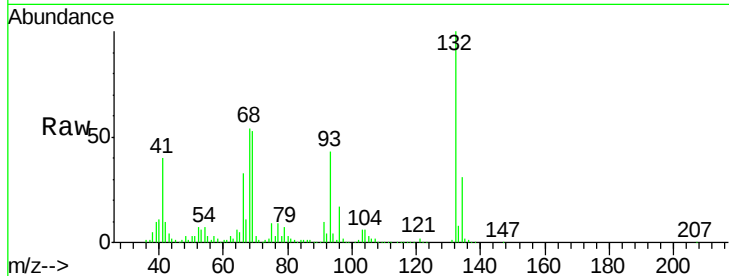




#11
bis(2-Chloroethyl)ether
Concen: 21.66 ng
RT: 6.72 min Scan# 388
Delta R.T. 0.00 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

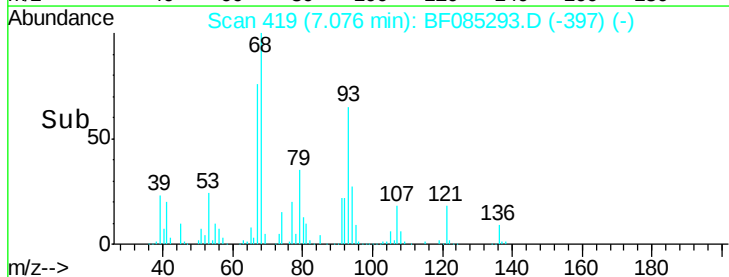
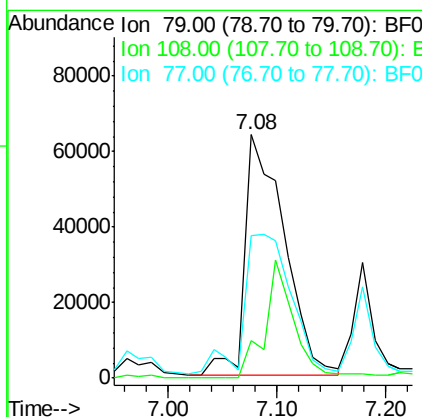
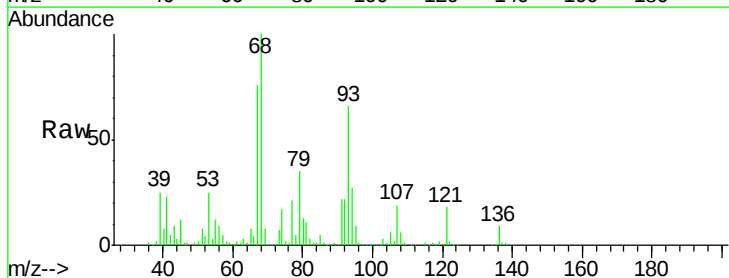
Instrument :
BNA_F
ClientSampleId :

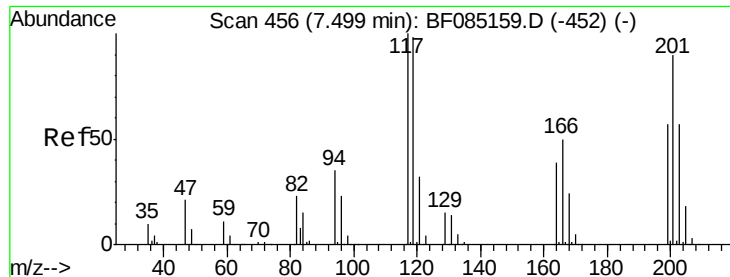
Tot Ion: 93 Resp: 197020
Ion Ratio Lower Upper
93 100
63 4.2 50.9 90.9#
95 2.2 13.7 53.7#



#15
Benzyl Alcohol
Concen: 21.57 ng
RT: 7.08 min Scan# 419
Delta R.T. -0.05 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Tgt Ion: 79 Resp: 161928
Ion Ratio Lower Upper
79 100
108 15.7 62.9 94.3#
77 58.4 49.5 74.3

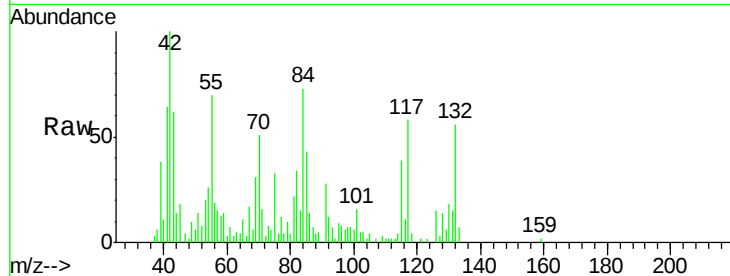




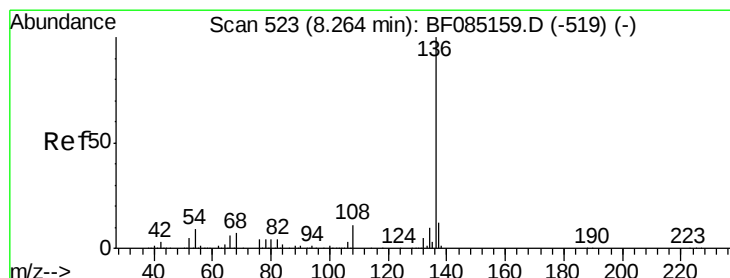
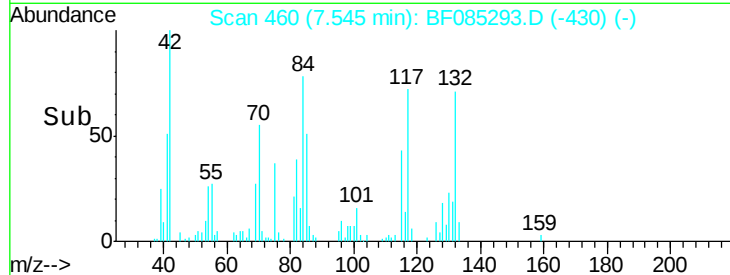
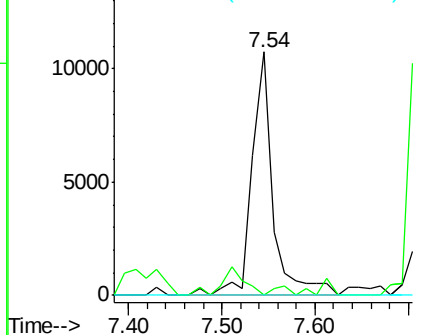
#18
Hexachloroethane
Concen: 4.47 ng
RT: 7.54 min Scan# 460
Delta R.T. 0.05 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 16681
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.4#
201 0.0 72.0 108.0#

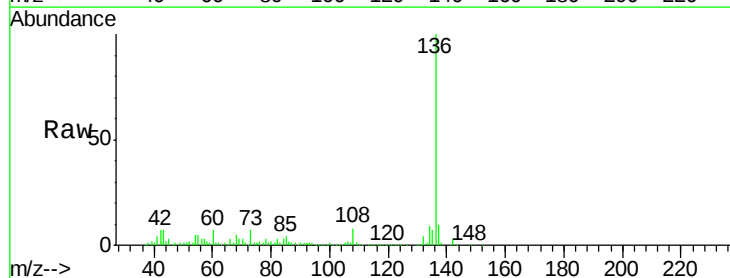


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

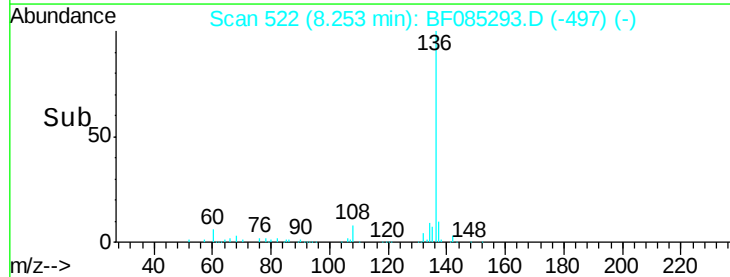
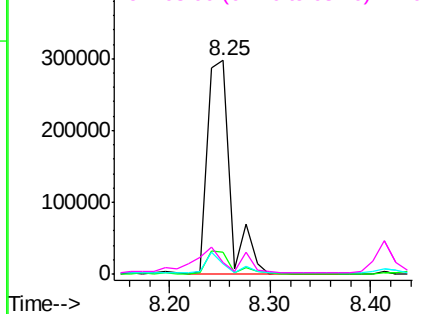


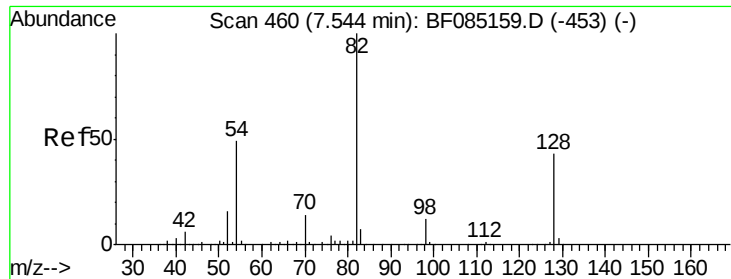
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Tgt Ion:136 Resp: 467855
Ion Ratio Lower Upper
136 100
137 10.5 9.3 13.9
54 4.8 7.4 11.2#
68 5.2 6.0 9.0#



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

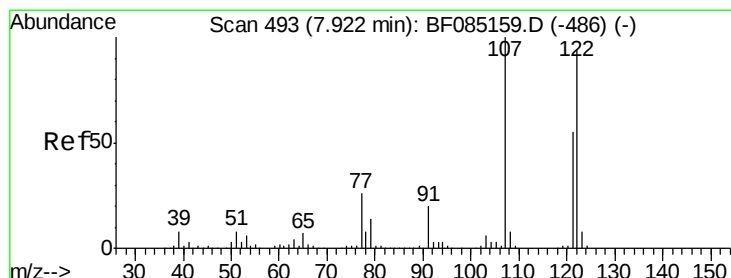
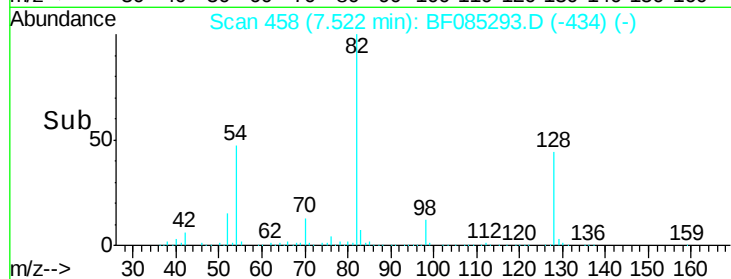
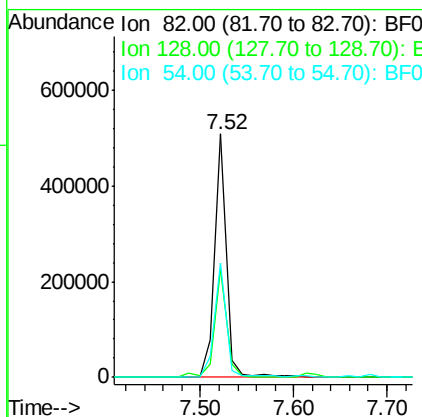
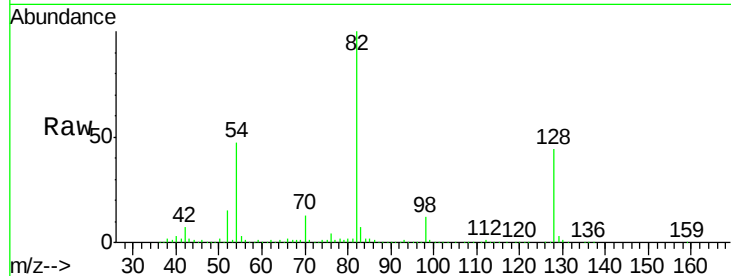




#23
 Nitrobenzene-d5
 Concen: 50.73 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

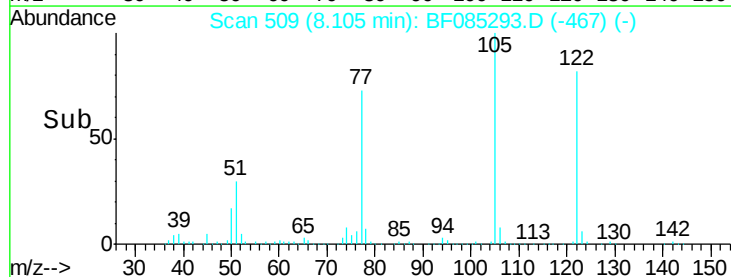
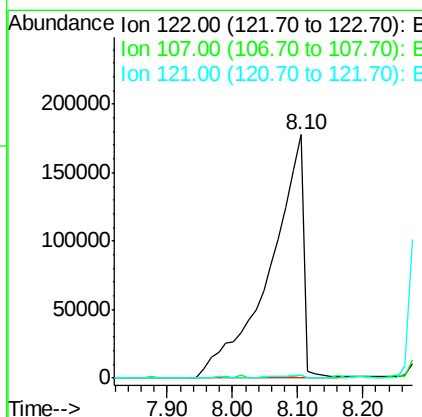
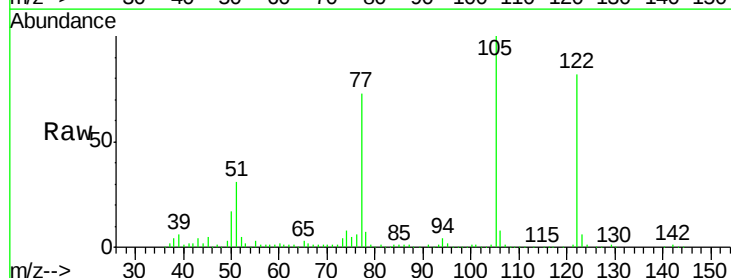
Instrument :
 BNA_F
 ClientSampleId :

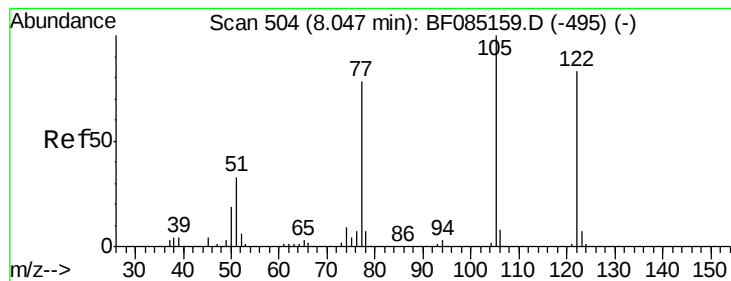
Tot Ion	82	Resp	443506
Ion Ratio	Lower	Upper	
82	100		
128	44.1	34.5	51.7
54	46.8	39.3	58.9



#27
 2,4-Dimethylphenol
 Concen: 80.40 ng
 RT: 8.10 min Scan# 509
 Delta R.T. 0.18 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

Tgt Ion	122	Resp	635080
Ion Ratio	Lower	Upper	
122	100		
107	1.0	84.8	127.2#
121	1.1	47.0	70.6#





#32

Benzoic acid

Concen: 121.78 ng

RT: 8.10 min Scan# 509

Delta R.T. 0.06 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

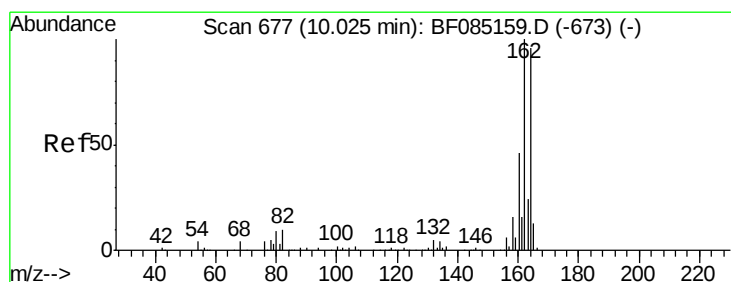
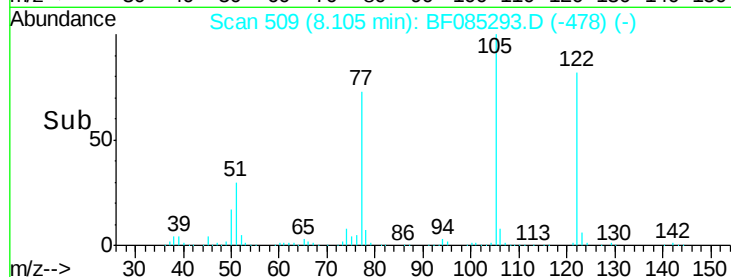
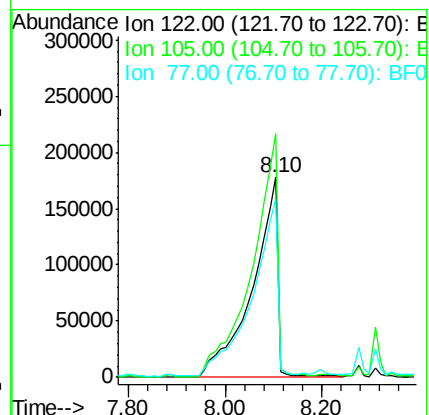
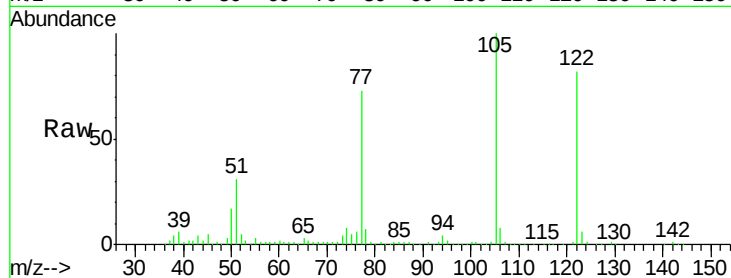
Tot Ion:122 Resp: 638923

Ion Ratio Lower Upper

122 100

105 121.8 101.3 141.3

77 89.3 74.7 114.7



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

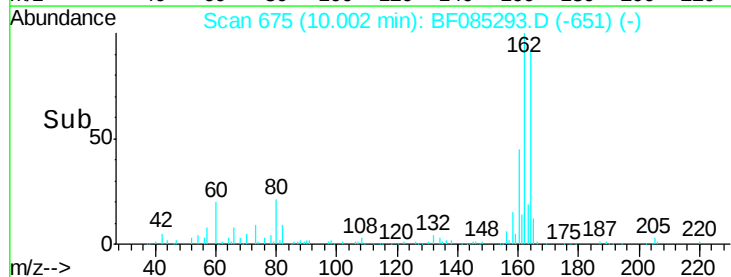
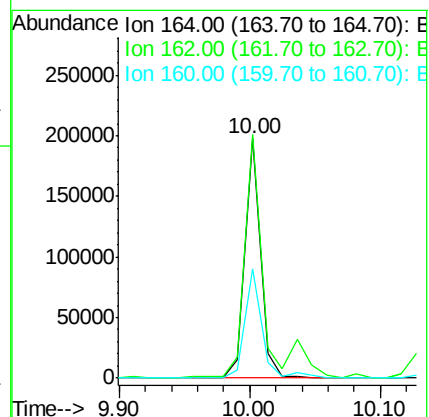
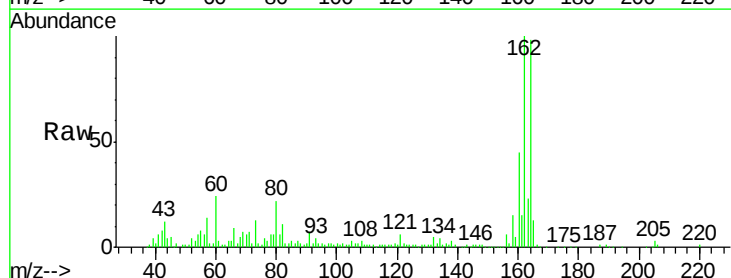
Tgt Ion:164 Resp: 162455

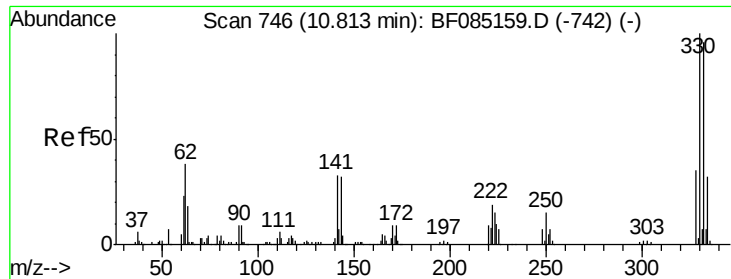
Ion Ratio Lower Upper

164 100

162 101.7 83.3 124.9

160 45.7 37.9 56.9

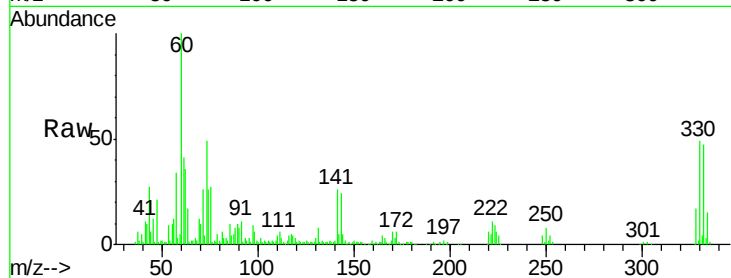




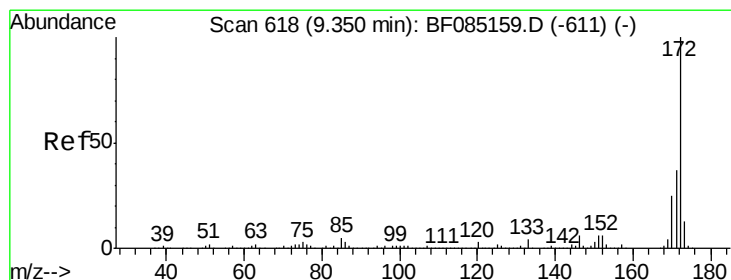
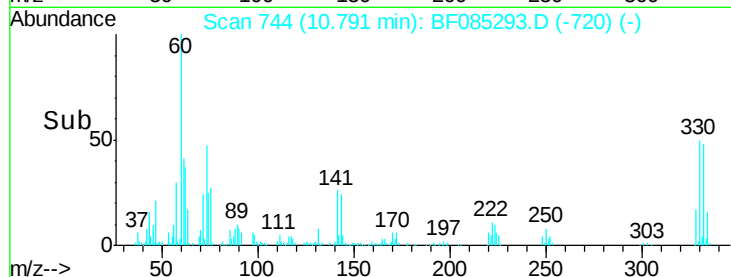
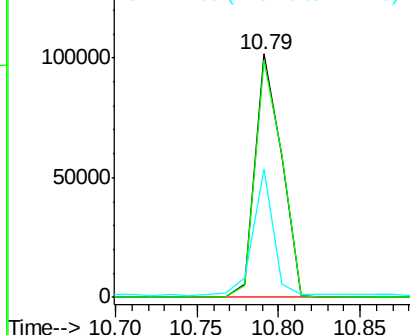
#41
 2,4,6-Tribromophenol
 Concen: 82.46 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.1	115.7
141	40.1	35.0	52.6

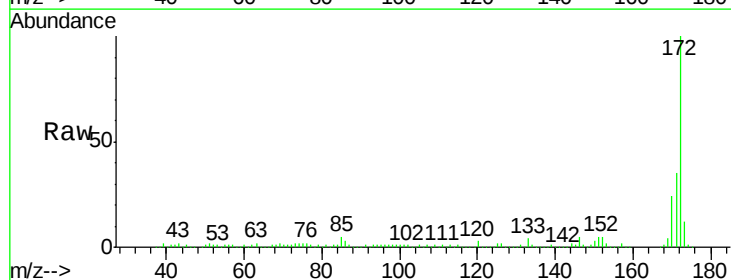


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

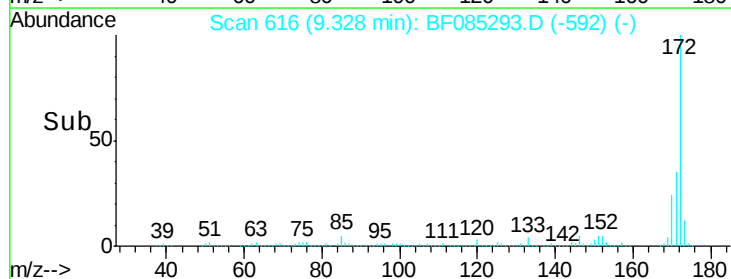
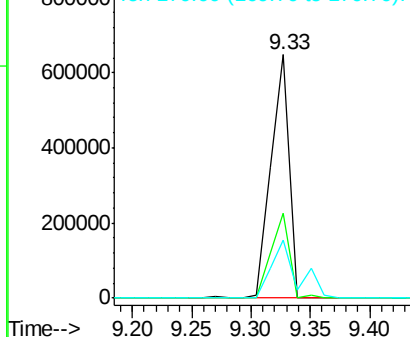


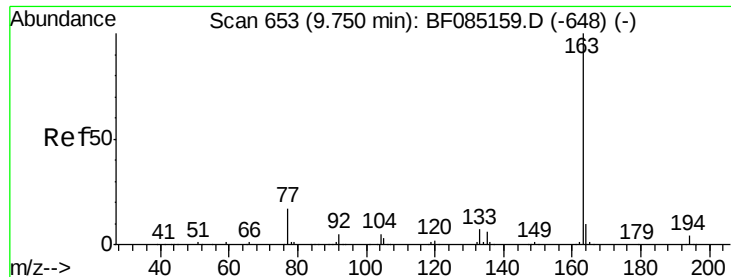
#44
 2-Fluorobiphenyl
 Concen: 65.00 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.3	43.9
170	23.6	20.0	30.0



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

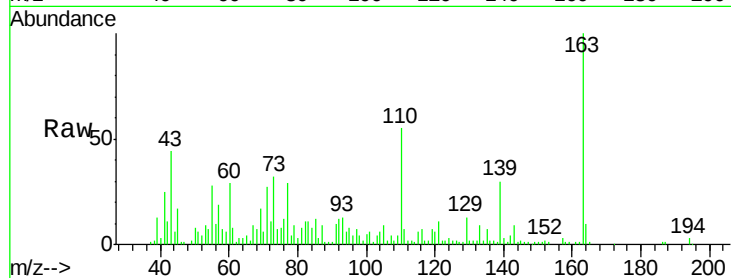




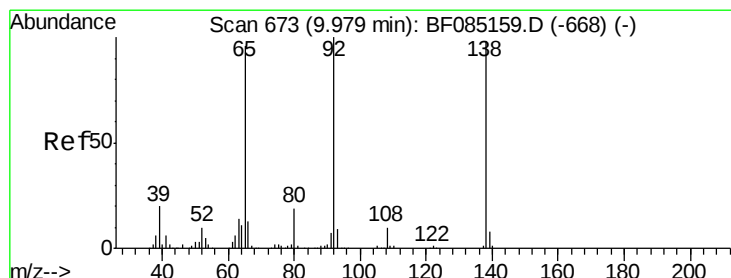
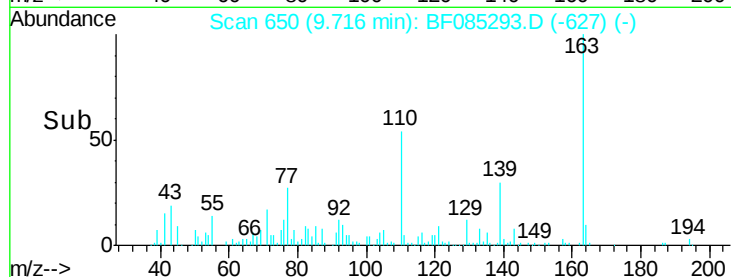
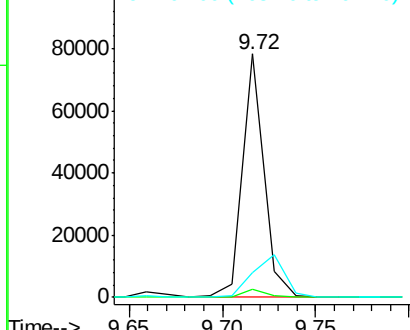
#49
Dimethylphthalate
Concen: 5.05 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 62953
Ion Ratio Lower Upper
163 100
194 3.2 3.1 4.7
164 10.3 8.2 12.4

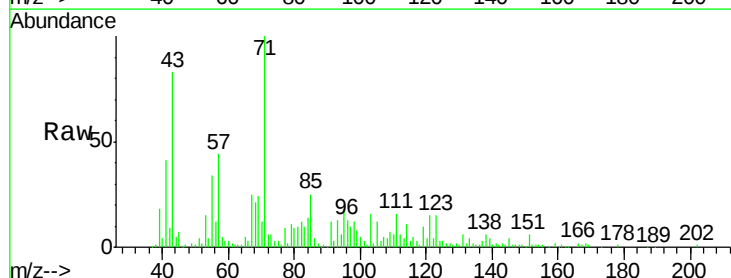


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

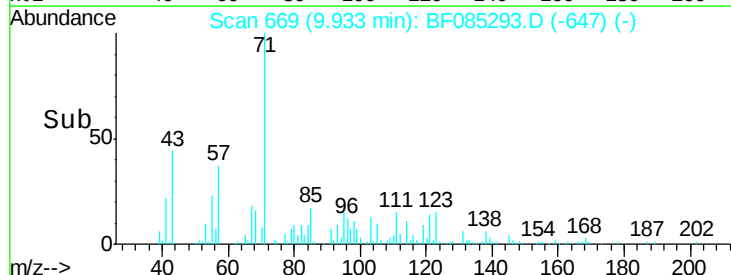
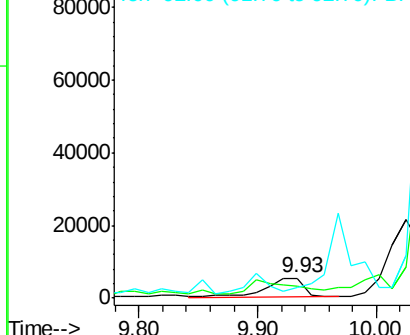


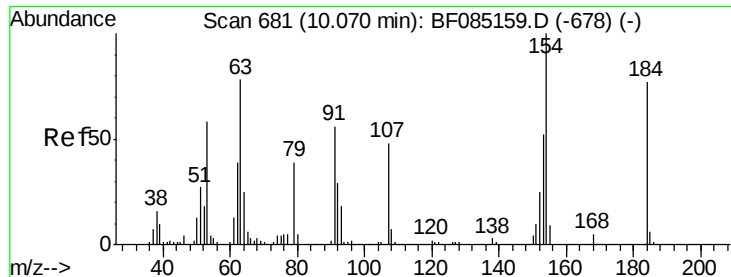
#52
3-Nitroaniline
Concen: 3.68 ng
RT: 9.93 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Tgt Ion:138 Resp: 11753
Ion Ratio Lower Upper
138 100
108 61.2 7.8 11.6#
92 52.8 81.3 121.9#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

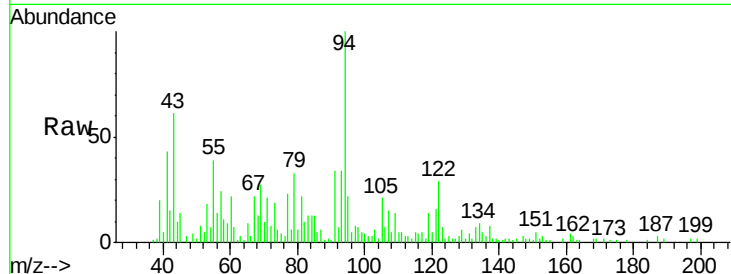




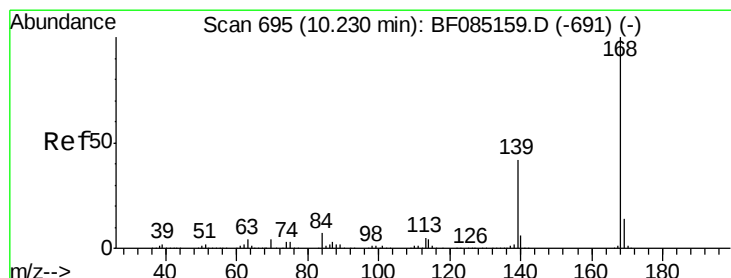
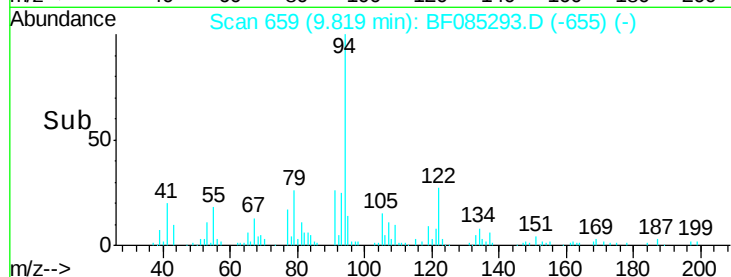
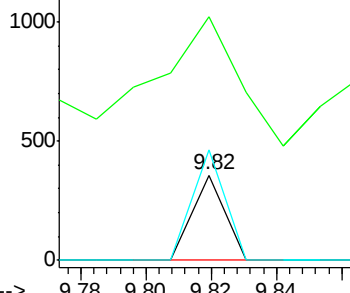
#53
2,4-Dinitrophenol
Concen: 8.19 ng
RT: 9.82 min Scan# 659
Delta R.T. -0.25 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 245
Ion Ratio Lower Upper
184 100
63 286.3 82.2 123.4#
154 129.4 108.9 163.3

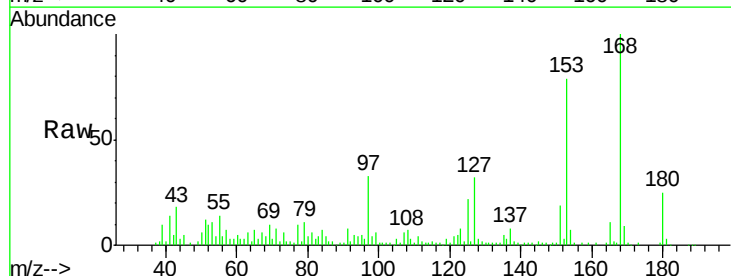


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

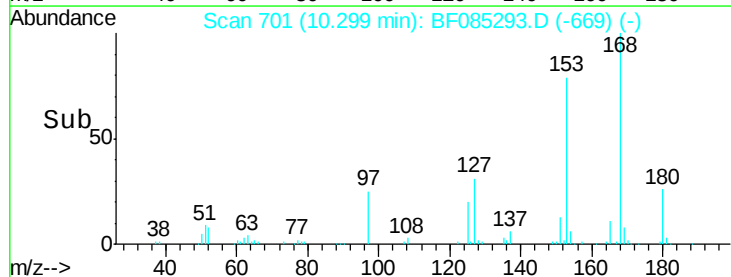
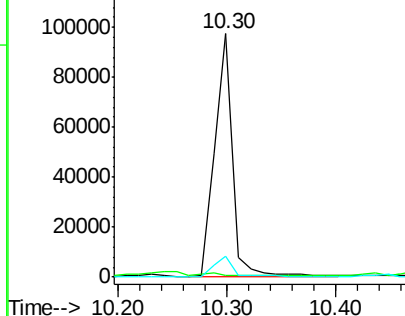


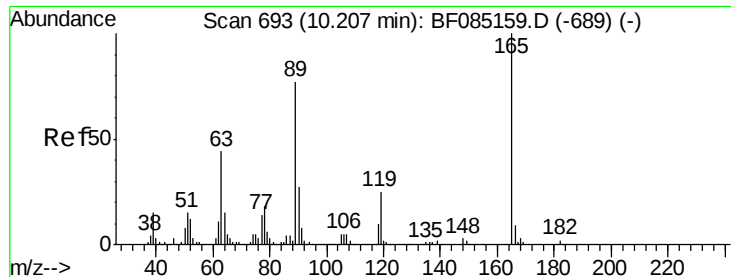
#54
Dibenzofuran
Concen: 8.67 ng
RT: 10.30 min Scan# 701
Delta R.T. 0.07 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Tgt Ion:168 Resp: 113555
Ion Ratio Lower Upper
168 100
139 0.8 33.6 50.4#
169 8.8 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

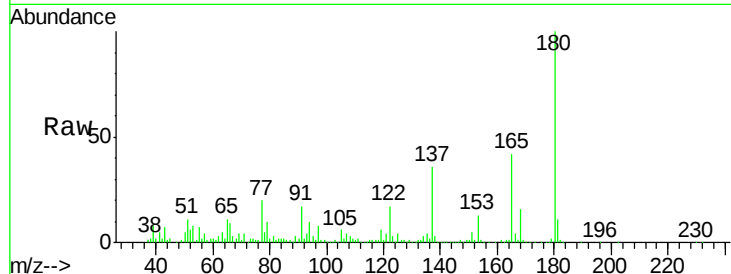




#56
 2,4-Dinitrotoluene
 Concen: 35.30 ng
 RT: 10.29 min Scan# 700
 Delta R.T. 0.08 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	12.6	35.4	53.0#
89	6.4	61.9	92.9#
182	3.0	1.9	2.9#

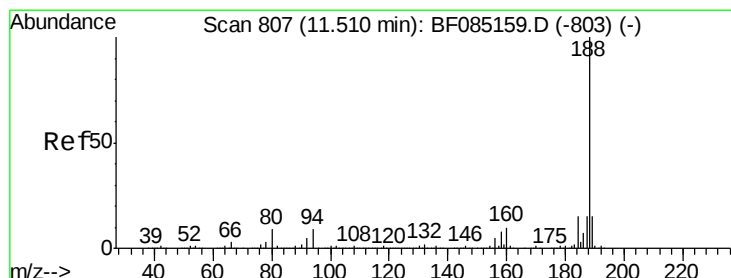
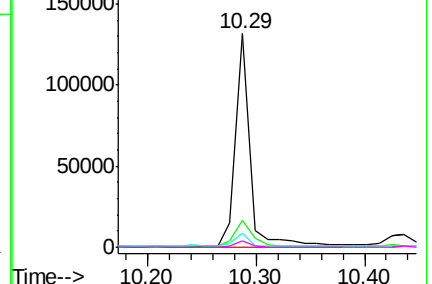
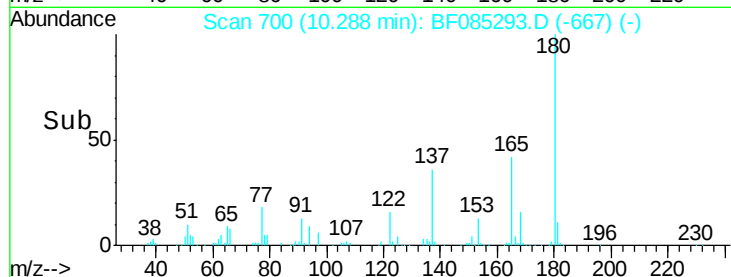


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

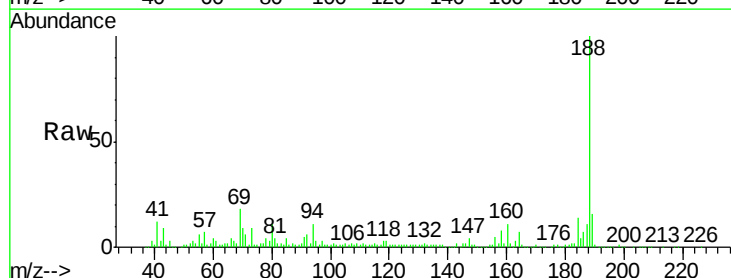
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085293.D
 Acq: 9 Mar 2016 8:49

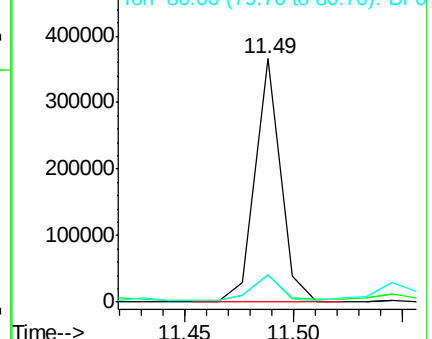
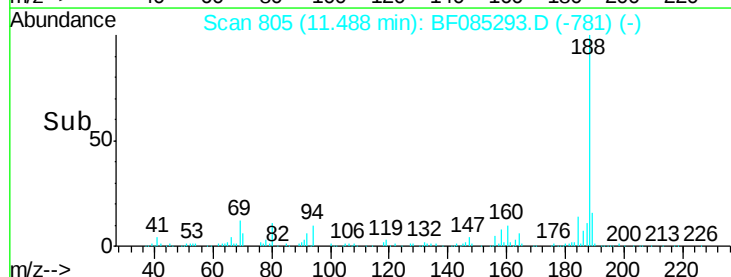
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.0	10.6#
80	11.2	7.4	11.0#

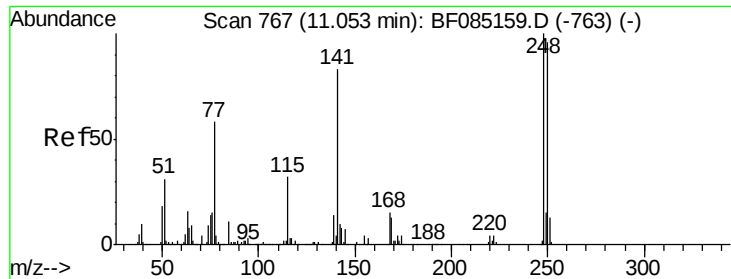


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.76 ng

RT: 10.79 min Scan# 744

Delta R.T. -0.26 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

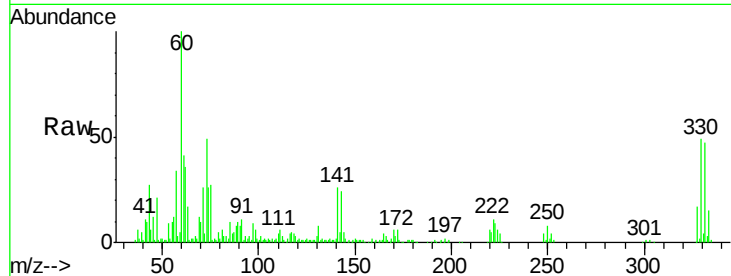
Tot Ion:248 Resp: 8013

Ion Ratio Lower Upper

248 100

250 193.7 77.1 115.7#

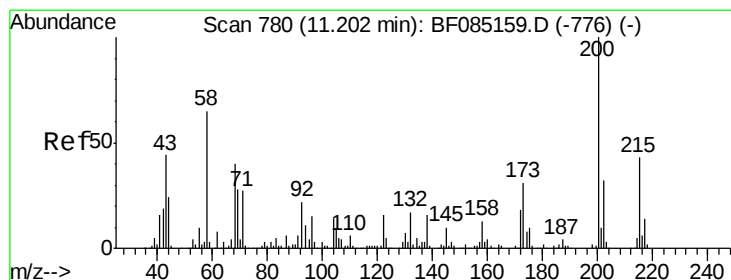
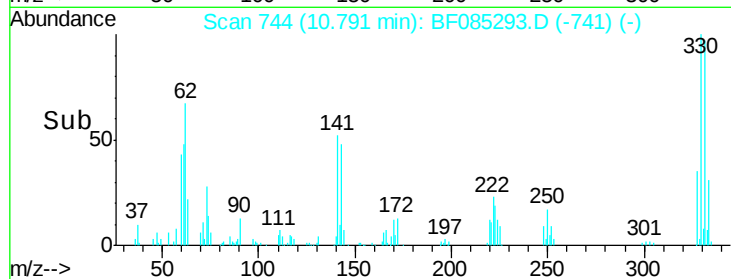
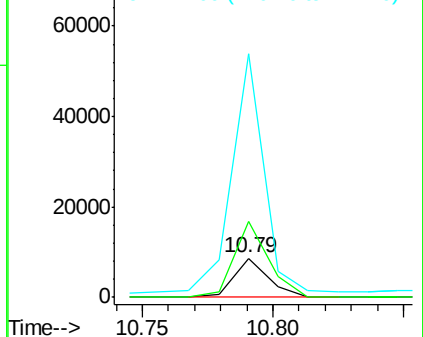
141 620.5 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Atrazine

Concen: 2.86 ng

RT: 11.20 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

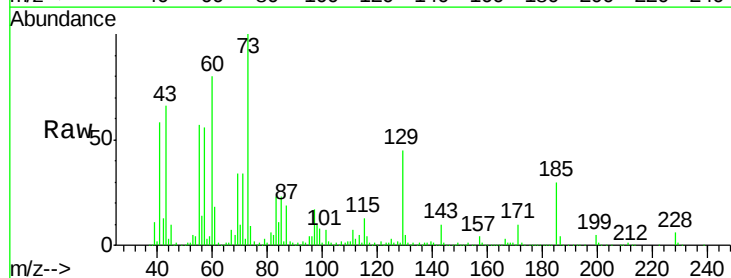
Tgt Ion:200 Resp: 7402

Ion Ratio Lower Upper

200 100

173 21.5 10.5 50.5

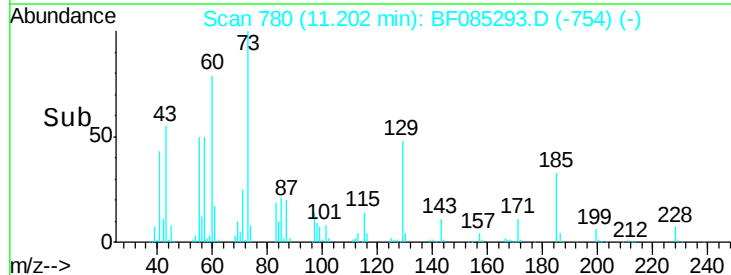
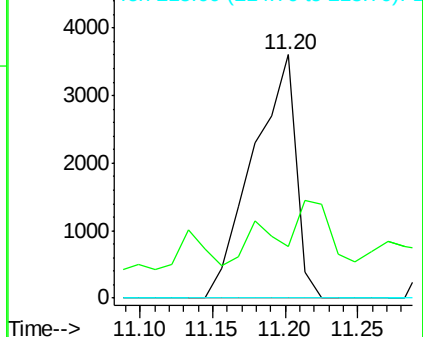
215 0.0 23.4 63.4#

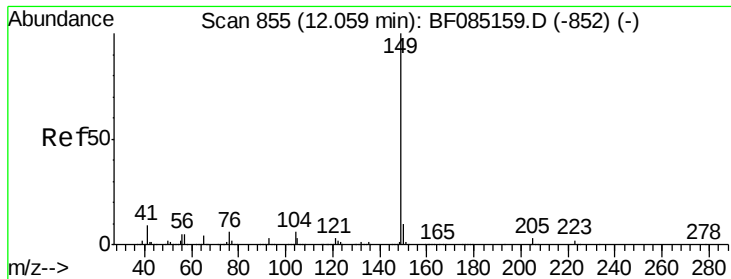


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#73

Di-n-butylphthalate

Concen: 2.35 ng

RT: 12.05 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

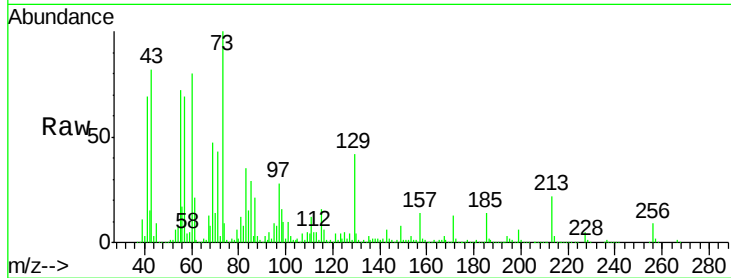
Tot Ion:149 Resp: 43423

Ion Ratio Lower Upper

149 100

150 15.5 7.8 11.6#

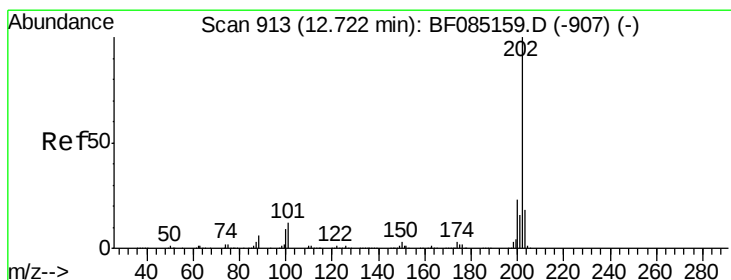
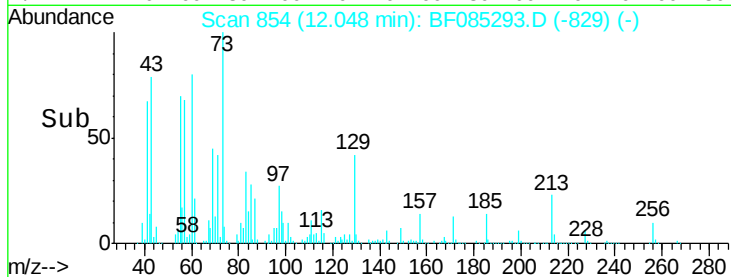
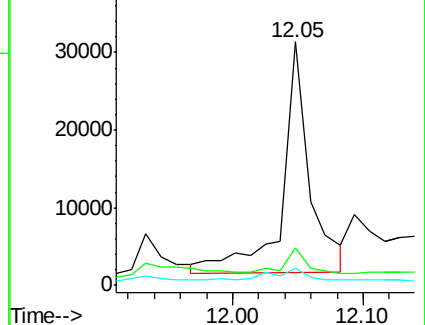
104 7.0 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 10.84 ng

RT: 12.49 min Scan# 893

Delta R.T. -0.23 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

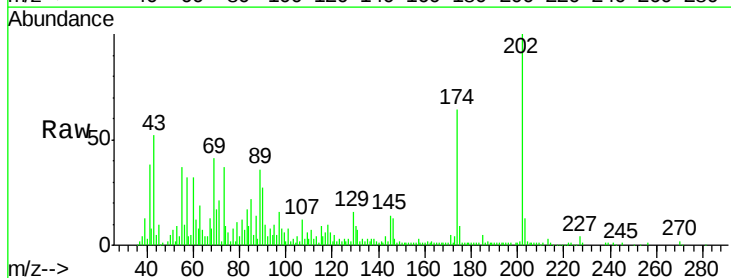
Tgt Ion:202 Resp: 170632

Ion Ratio Lower Upper

202 100

101 7.8 0.0 31.8

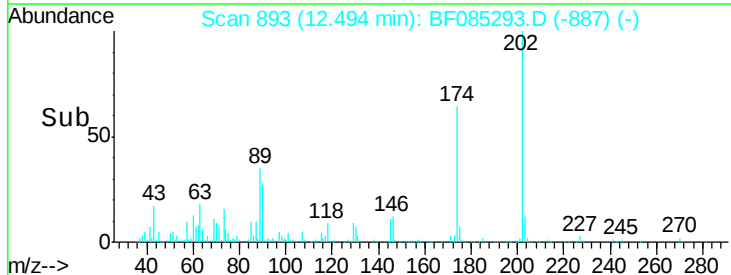
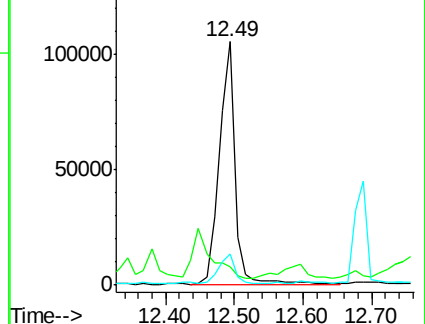
203 13.0 0.0 38.4

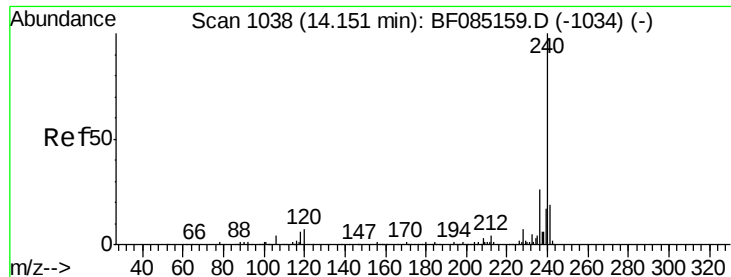


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

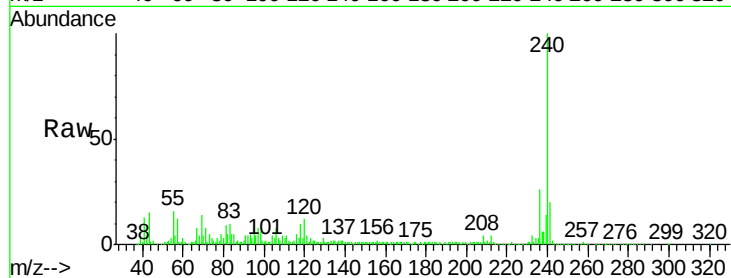
Tot Ion:240 Resp: 298938

Ion Ratio Lower Upper

240 100

120 11.5 5.3 7.9#

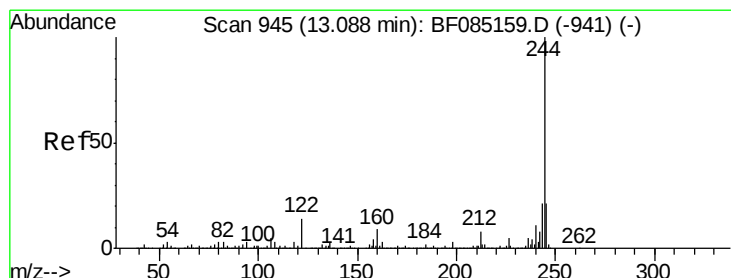
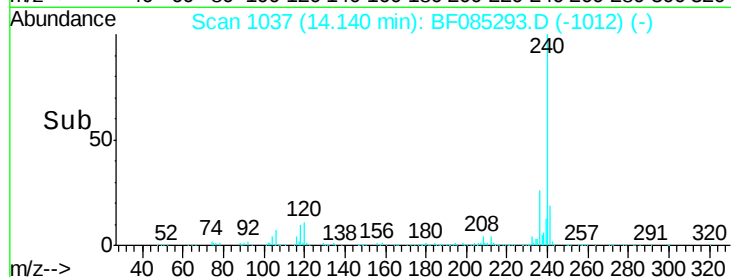
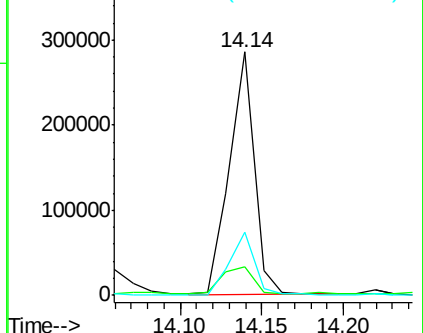
236 25.7 20.7 31.1



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: 51.09 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

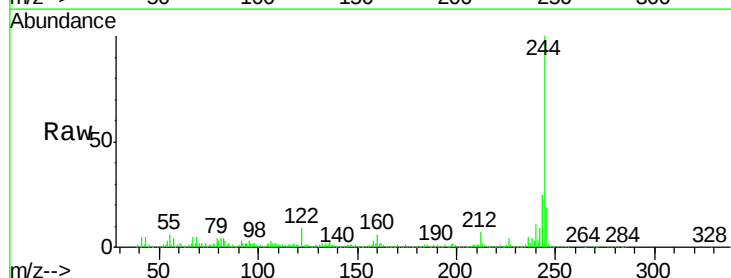
Tgt Ion:244 Resp: 657885

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

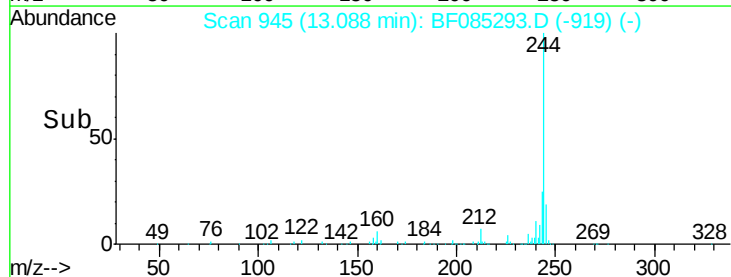
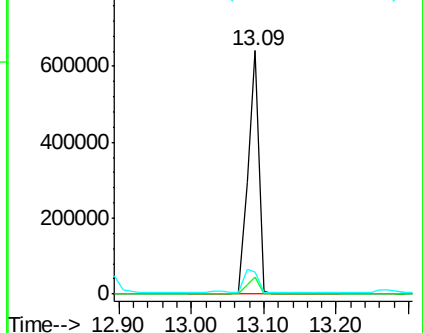
122 9.0 11.4 17.2#

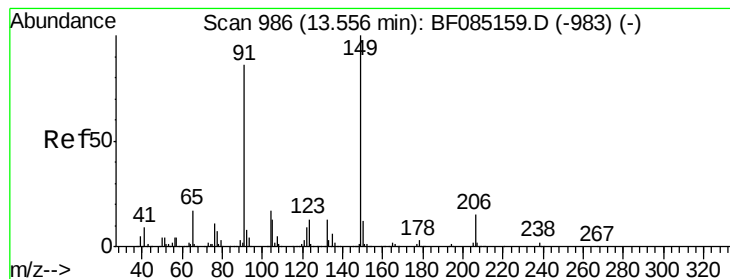


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.98 ng

RT: 13.56 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

Instrument :

BNA_F

ClientSampleId :

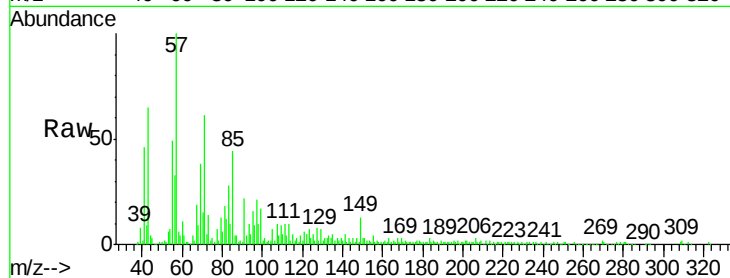
Tot Ion:149 Resp: 30455

Ion Ratio Lower Upper

149 100

91 167.2 69.0 103.4#

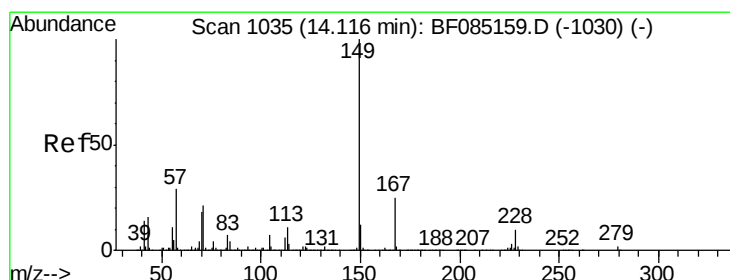
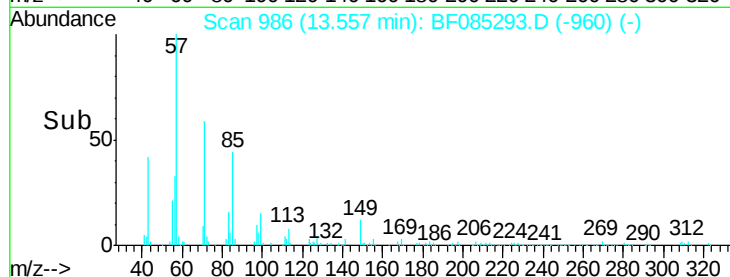
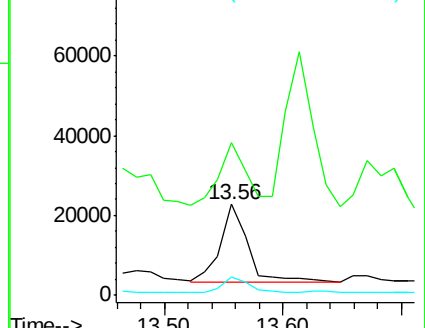
206 20.8 12.3 18.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.40 ng

RT: 14.12 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF085293.D

Acq: 9 Mar 2016 8:49

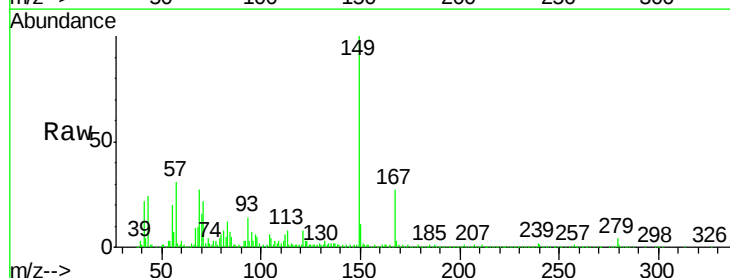
Tgt Ion:149 Resp: 354690

Ion Ratio Lower Upper

149 100

167 26.9 20.3 30.5

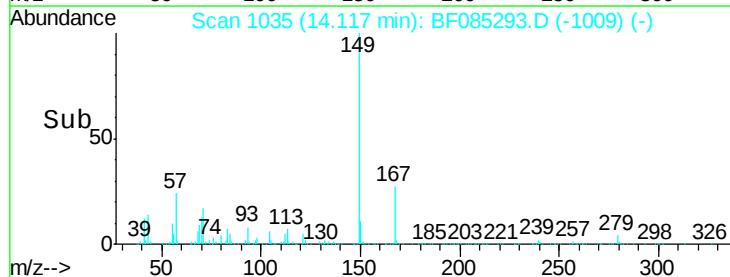
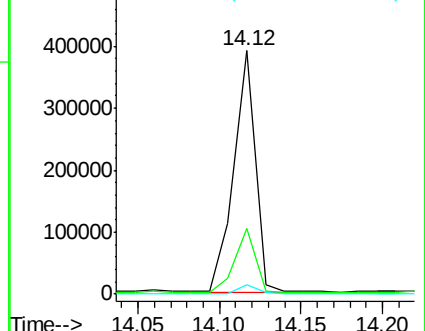
279 3.7 1.9 2.9#

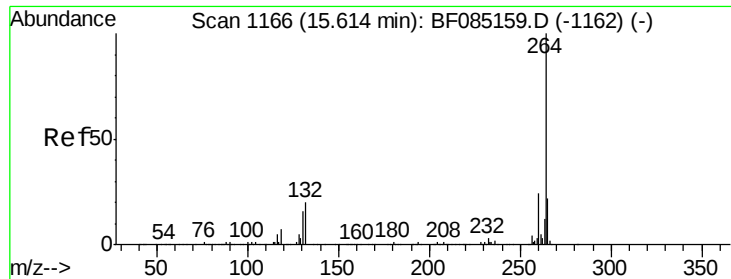


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF085293.D
Acq: 9 Mar 2016 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.2	28.8
265	21.5	17.3	25.9

