

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084496.D
 Acq On : 15 Jan 2016 17:42
 Operator : SJ/UM
 Sample : H1140-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:34:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

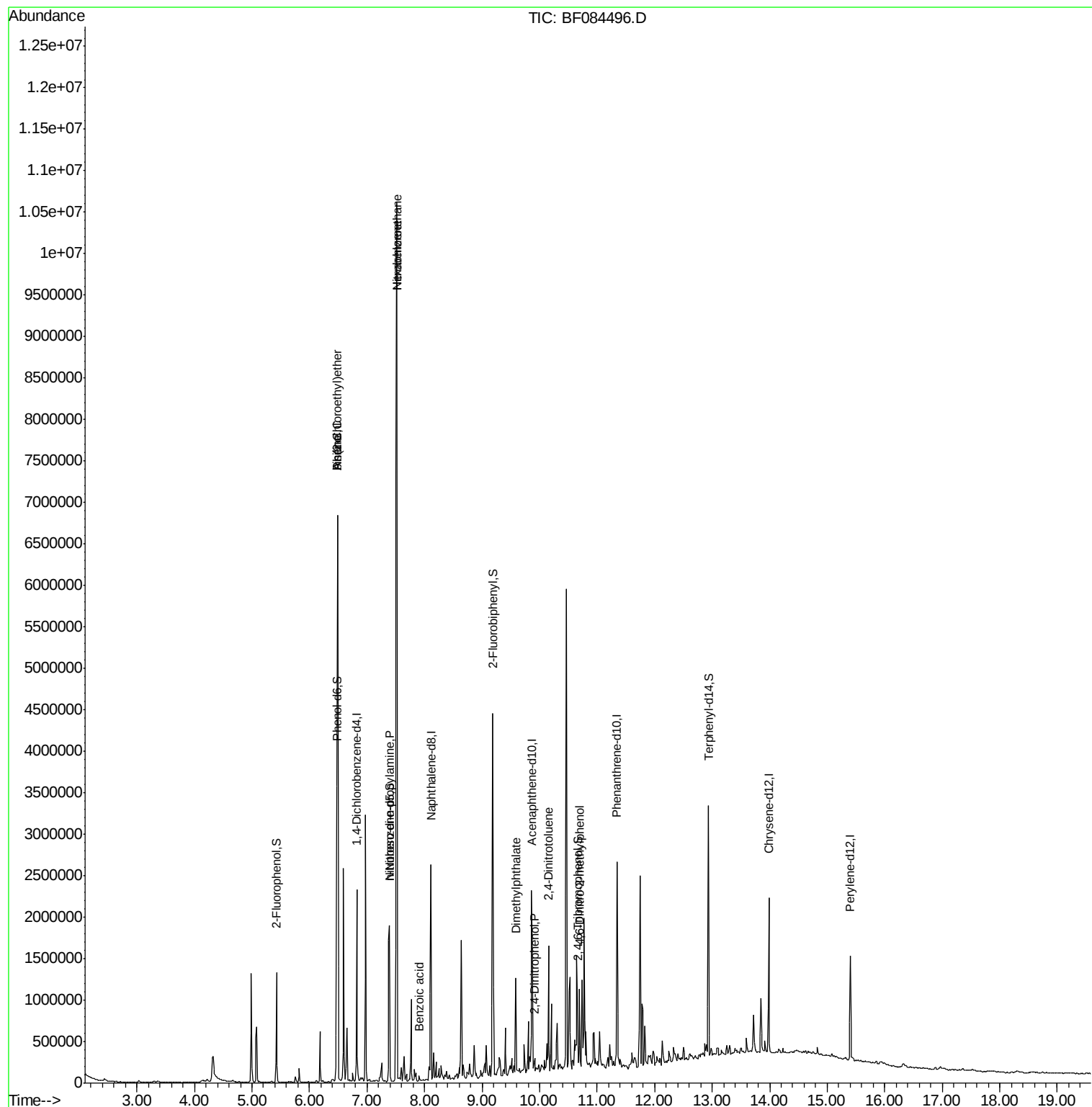
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	304010	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1241776	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	524604	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	886036	20.00	ng	0.00
75) Chrysene-d12	13.99	240	644102	20.00	ng	0.00
86) Perylene-d12	15.40	264	560077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	356279	18.96	ng	0.00
7) Phenol-d6	6.48	99	310604	13.16	ng	0.01
23) Nitrobenzene-d5	7.39	82	870896	39.03	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	192737	36.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1344662	41.88	ng	-0.01
78) Terphenyl-d14	12.93	244	891559	30.90	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.49	93	2830397	81.96	ng	# 85
10) Phenol	6.49	94	238432	8.88	ng	# 1
11) bis(2-Chloroethyl)ether	6.49	93	2830397	136.14	ng	# 31
18) Hexachloroethane	7.52	117	116268	13.18	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	114504	7.17	ng	# 78
24) Nitrobenzene	7.52	77	3282268	145.04	ng	# 40
32) Benzoic acid	7.90	122	1295	6.33	ng	# 24
49) Dimethylphthalate	9.58	163	389927	10.40	ng	# 91
53) 2,4-Dinitrophenol	9.92	184	375	3.66	ng	# 1
54) Dibenzofuran	10.20	168	6554	Below Cal		# 97
56) 2,4-Dinitrotoluene	10.16	165	24434	2.35	ng	# 26
57) Fluorene	10.41	166	1384	Below Cal		# 41
60) 4-Chlorophenyl-phenylether	10.62	204	480	Below Cal		# 15
64) 4,6-Dinitro-2-methylphenol	10.69	198	2772	6.80	ng	# 95
73) Di-n-butylphthalate	11.92	149	11460	Below Cal		# 59

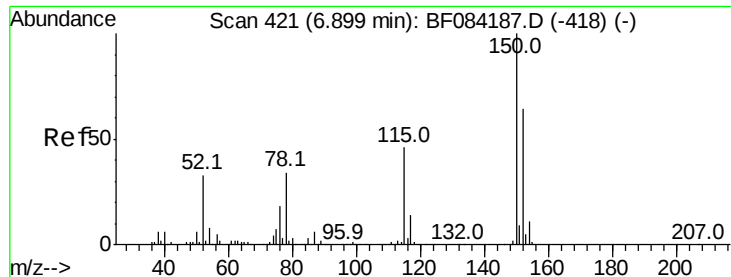
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 16 01:34:26 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 16 01:26:38 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

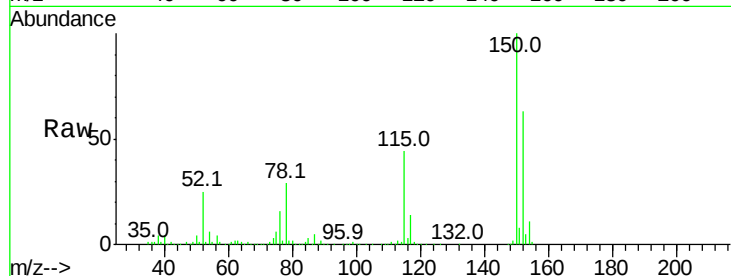
Tot Ion:152 Resp: 304010

Ion Ratio Lower Upper

152 100

150 158.7 123.0 184.4

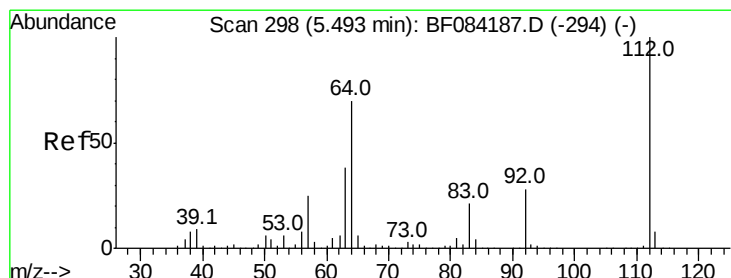
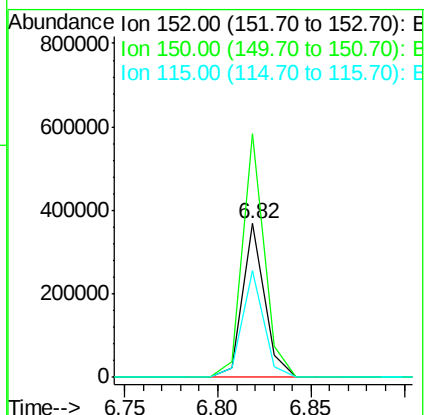
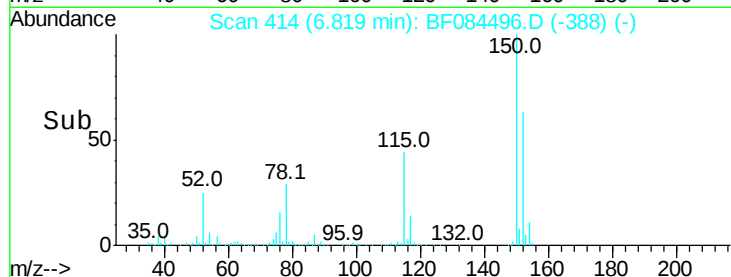
115 69.8 51.4 77.2



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: 18.96 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

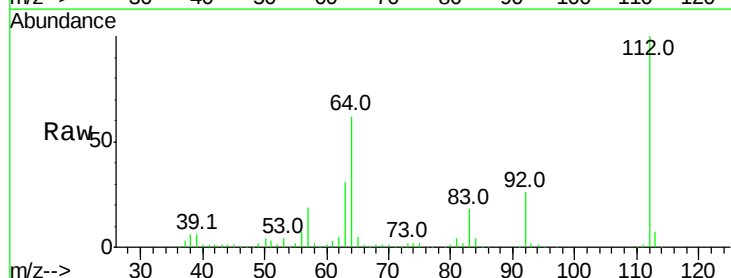
Tgt Ion:112 Resp: 356279

Ion Ratio Lower Upper

112 100

64 62.2 36.6 55.0#

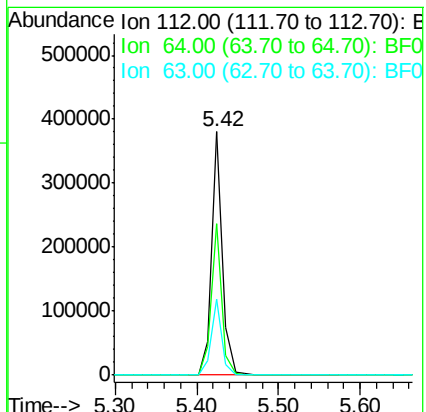
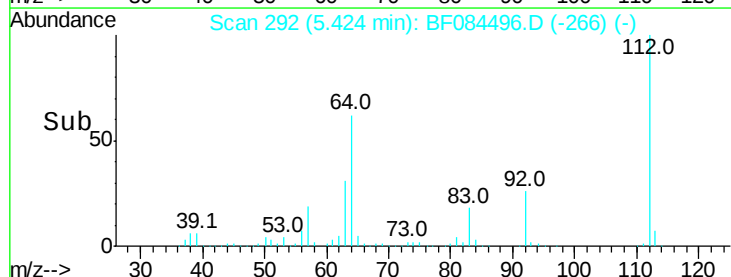
63 31.3 19.4 29.0#

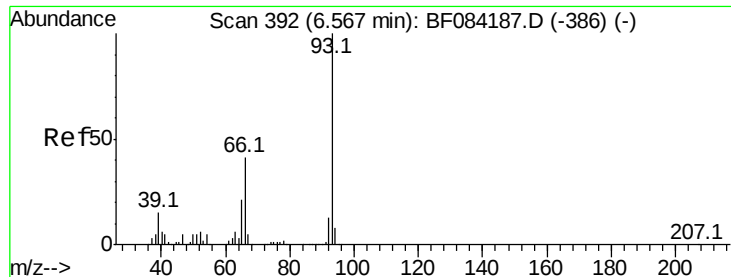


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 81.96 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

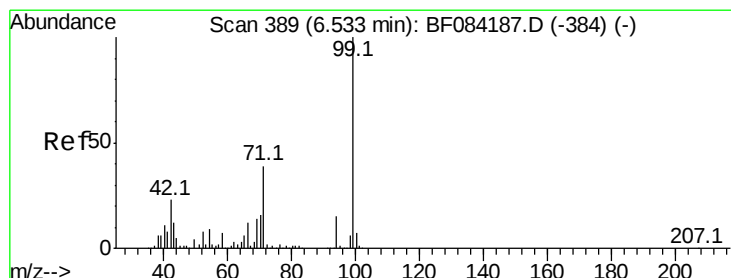
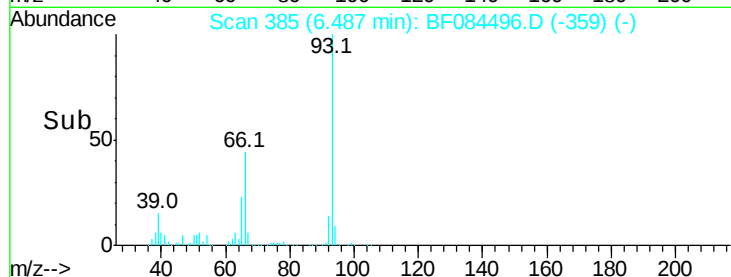
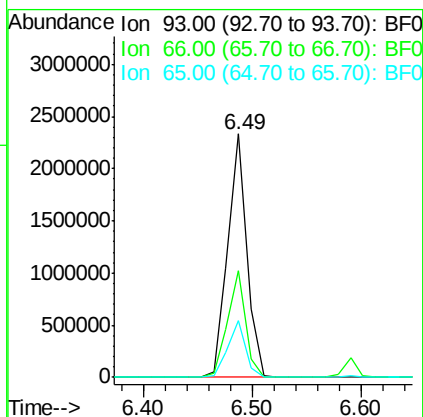
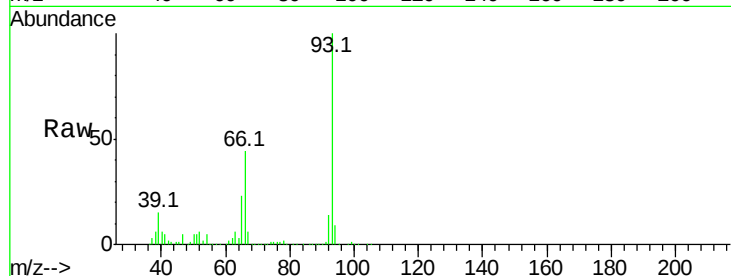
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 93 Resp: 2830397

Ion	Ratio	Lower	Upper
93	100		
66	43.9	44.9	67.3#
65	23.3	23.7	35.5#



#7

Phenol-d6

Concen: 13.16 ng

RT: 6.48 min Scan# 384

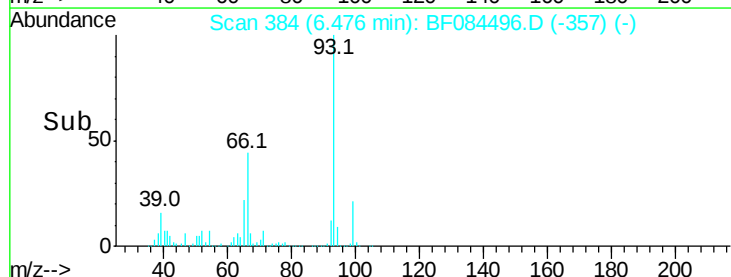
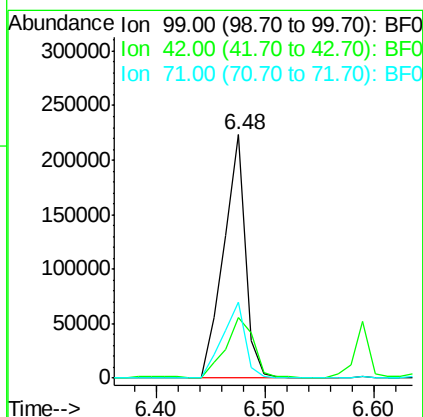
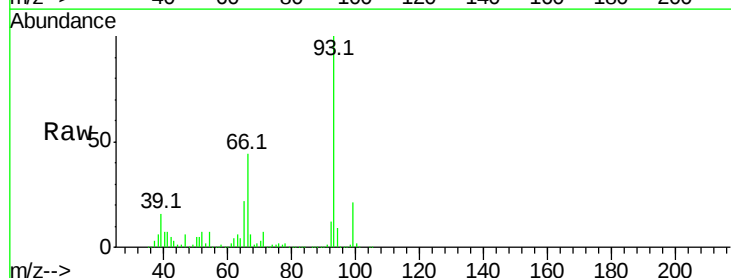
Delta R.T. 0.01 min

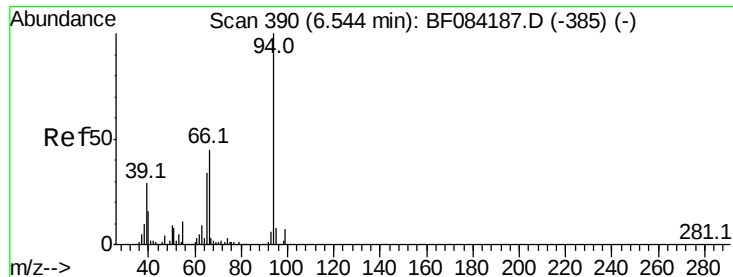
Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Tgt Ion: 99 Resp: 310604

Ion	Ratio	Lower	Upper
99	100		
42	24.8	12.8	19.2#
71	31.2	30.9	46.3





#10

Phenol

Concen: 8.88 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

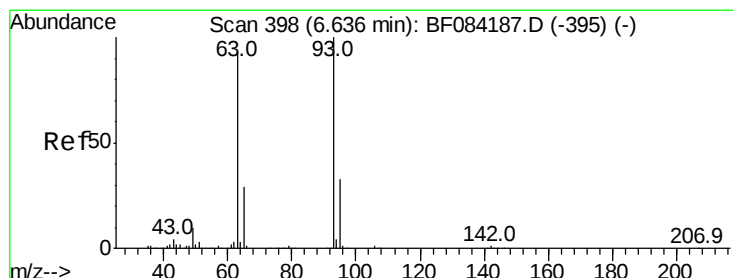
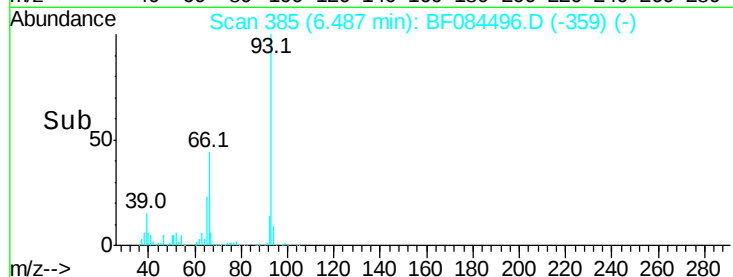
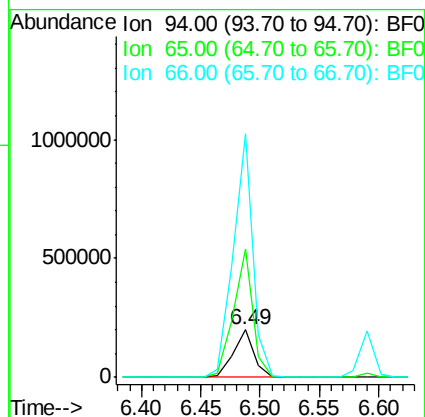
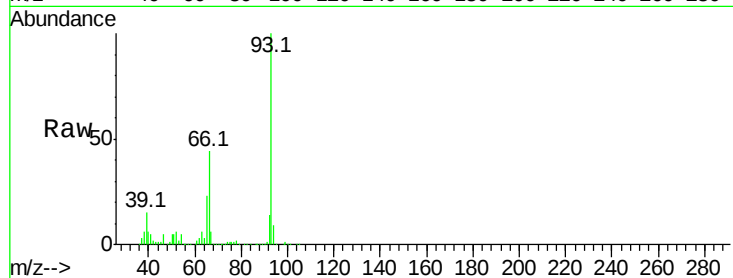
Tot Ion: 94 Resp: 238432

Ion Ratio Lower Upper

94 100

65 271.7 12.9 52.9#

66 512.6 32.7 72.7#



#11

bis(2-Chloroethyl)ether

Concen: 136.14 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.08 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

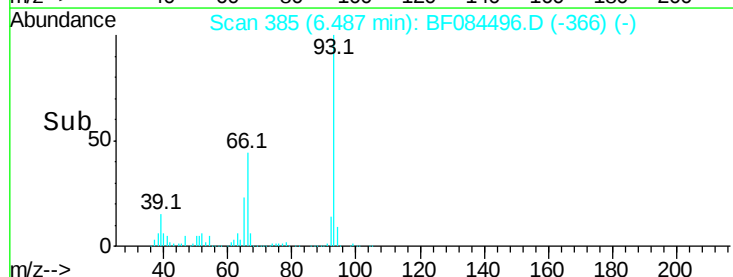
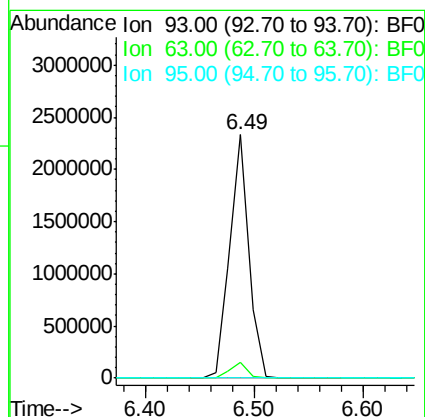
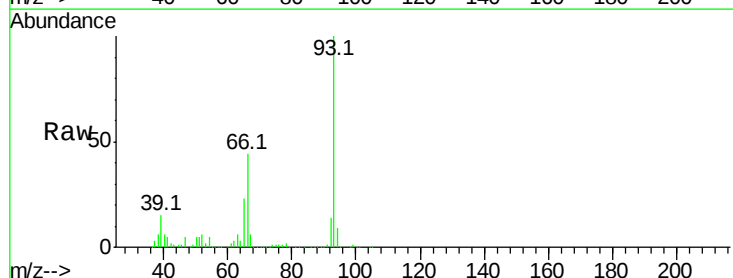
Tgt Ion: 93 Resp: 2830397

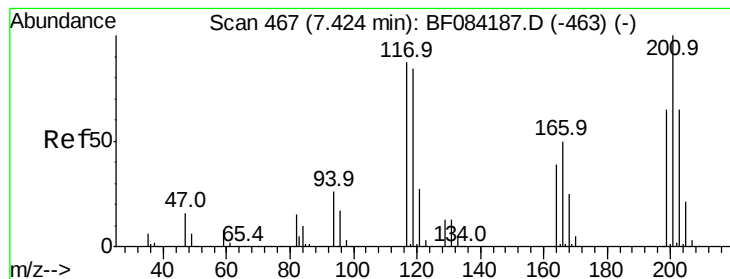
Ion Ratio Lower Upper

93 100

63 6.3 45.9 85.9#

95 0.3 12.3 52.3#





#18

Hexachloroethane

Concen: 13.18 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.18 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

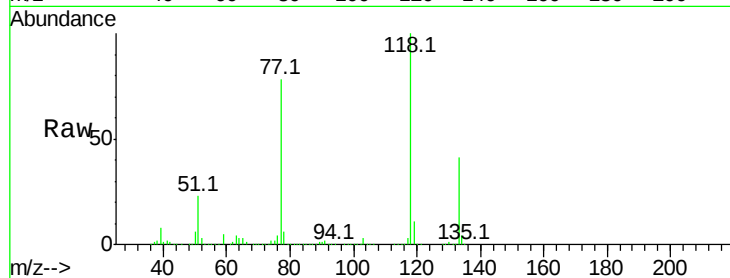
Tot Ion:117 Resp: 116268

Ion Ratio Lower Upper

117 100

119 340.5 77.4 116.0#

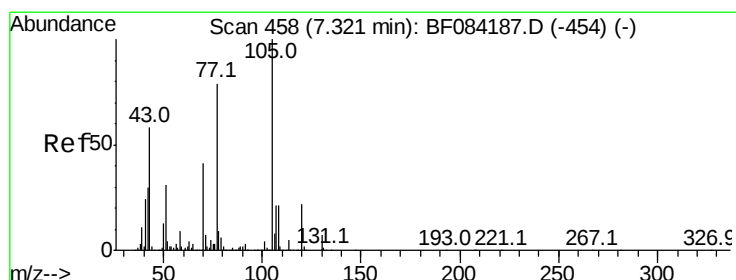
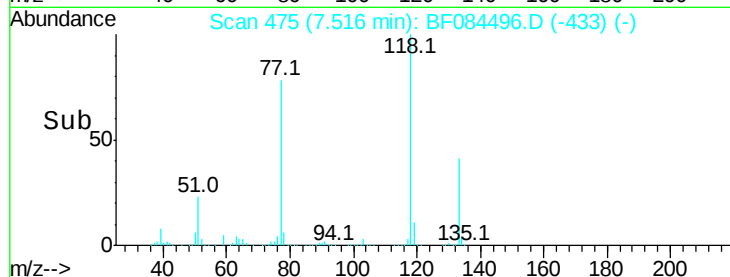
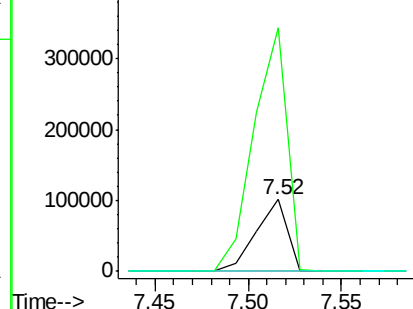
201 0.0 68.6 103.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.17 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Tgt Ion: 70 Resp: 114504

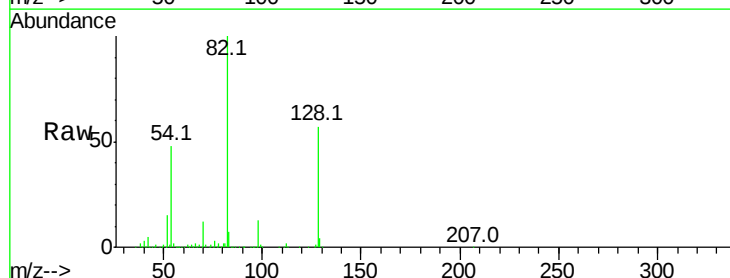
Ion Ratio Lower Upper

70 100

42 40.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.9 23.4 35.0#

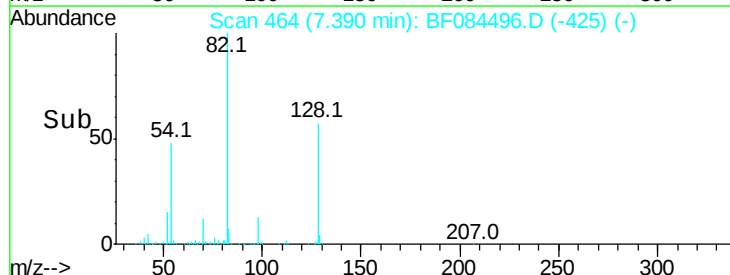
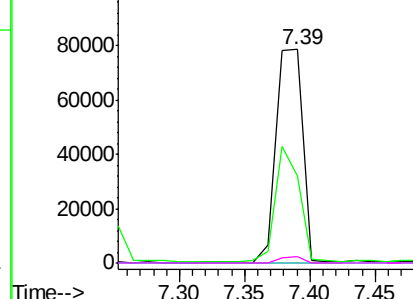


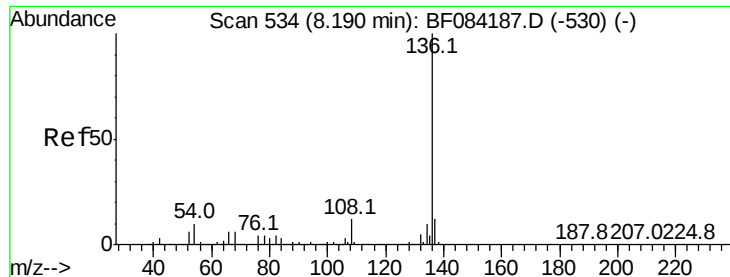
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

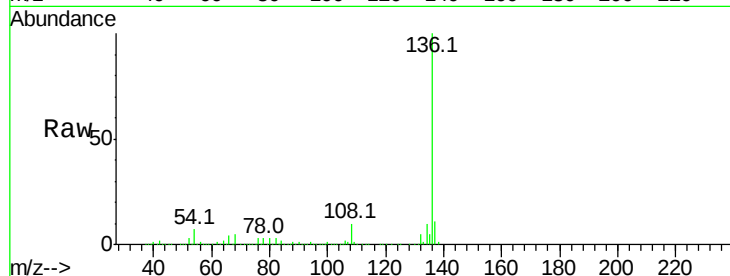




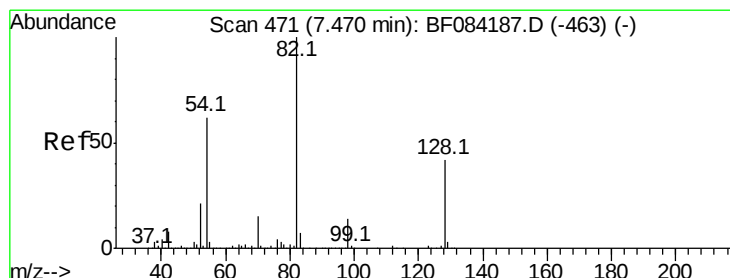
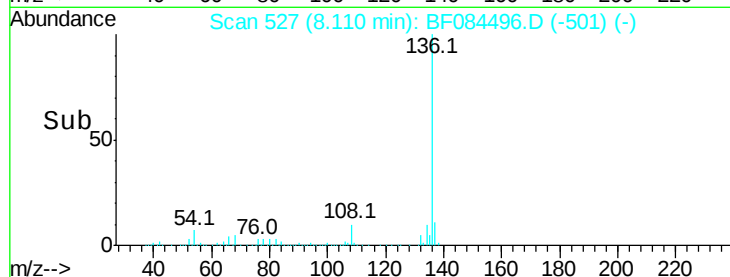
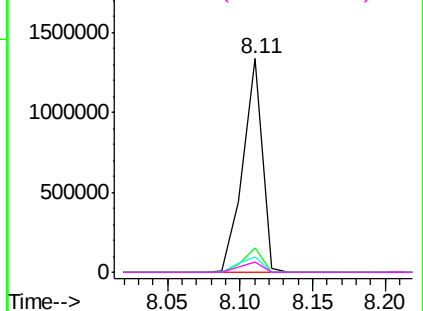
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1241776
Ion Ratio	Lower Upper
136 100	
137 11.2	8.7 13.1
54 7.3	5.8 8.8
68 4.9	4.2 6.2

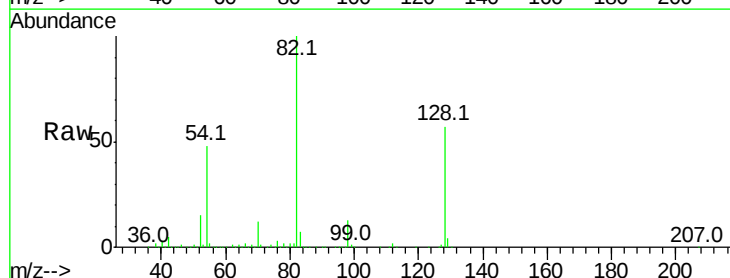


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

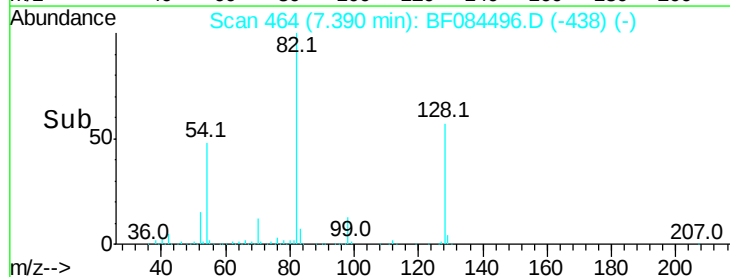
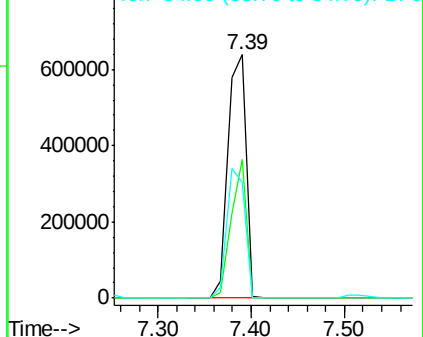


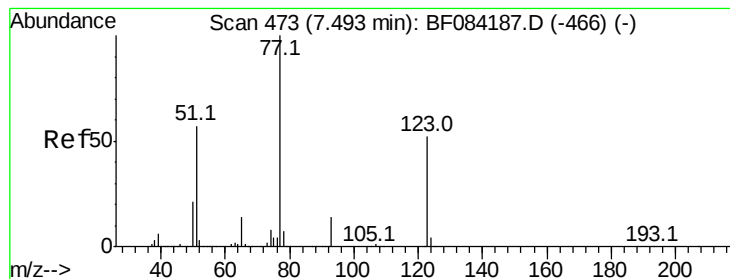
#23
Nitrobenzene-d5
Concen: 39.03 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

Tgt	Ion: 82	Resp:	870896
Ion	Ratio	Lower	Upper
82	100		
128	56.9	34.6	51.8#
54	47.7	38.4	57.6



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





#24

Nitrobenzene

Concen: 145.04 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.10 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

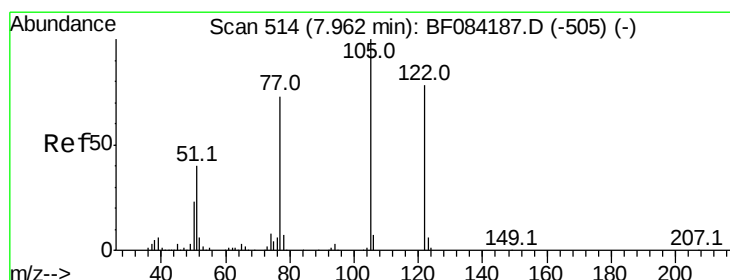
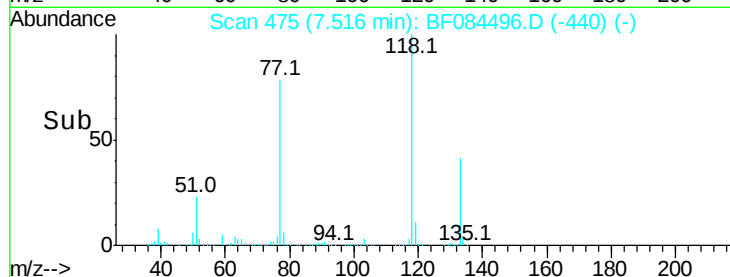
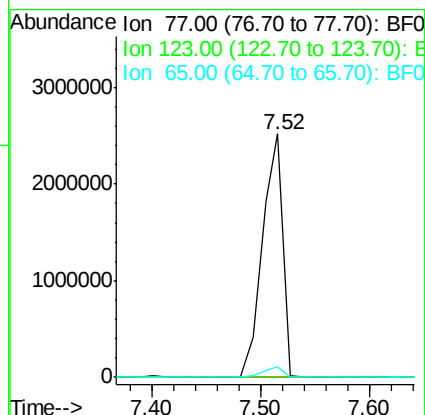
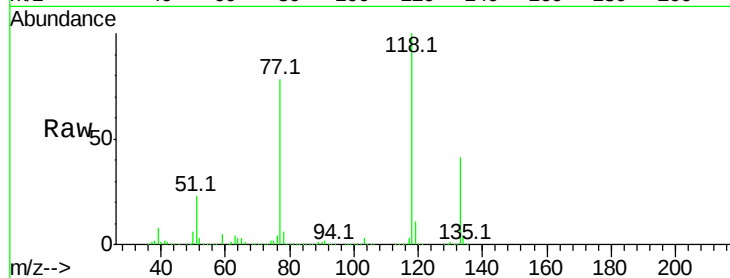
Tot Ion: 77 Resp: 3282268

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

65 4.4 10.9 16.3#



#32

Benzoic acid

Concen: 6.33 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

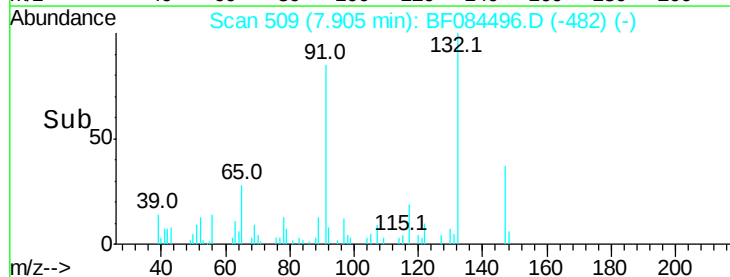
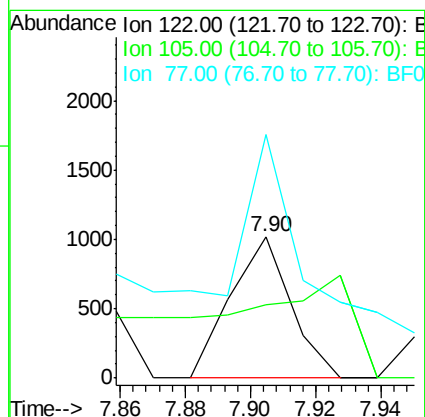
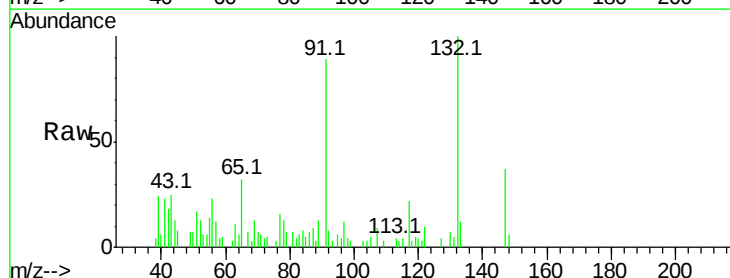
Tgt Ion:122 Resp: 1295

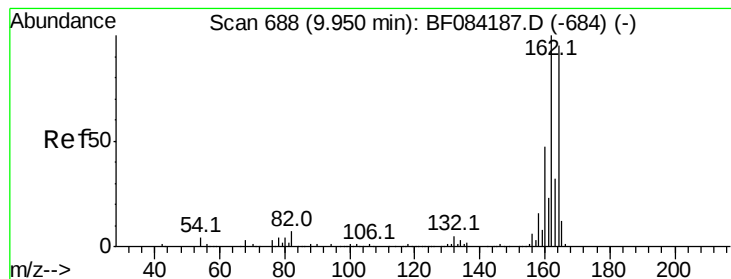
Ion Ratio Lower Upper

122 100

105 51.7 100.3 140.3#

77 171.8 63.5 103.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

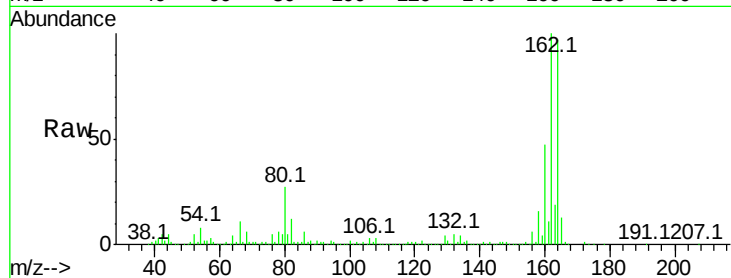
Tot Ion:164 Resp: 524604

Ion Ratio Lower Upper

164 100

162 103.0 85.1 127.7

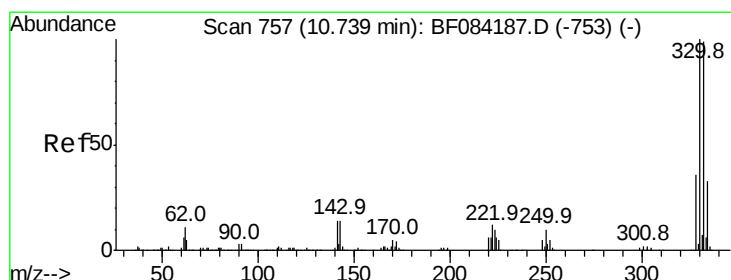
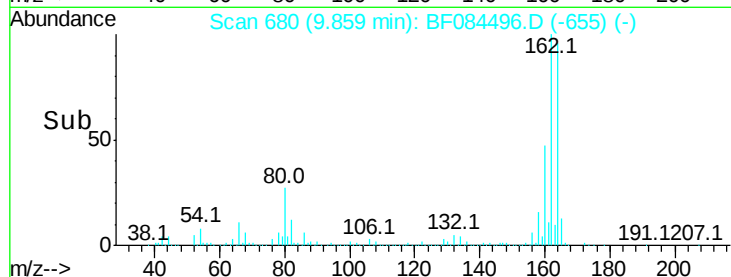
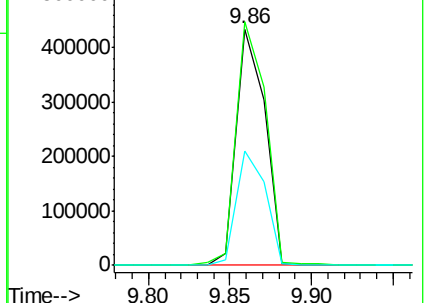
160 48.6 37.5 56.3



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: 36.39 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

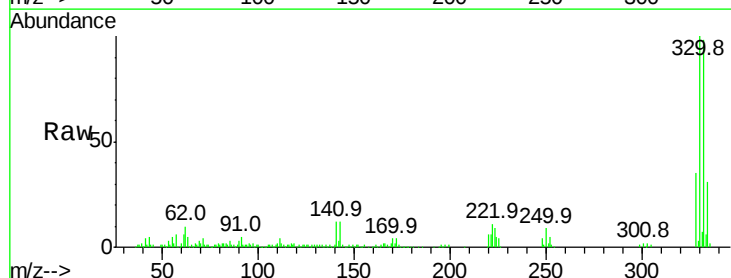
Tgt Ion:330 Resp: 192737

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

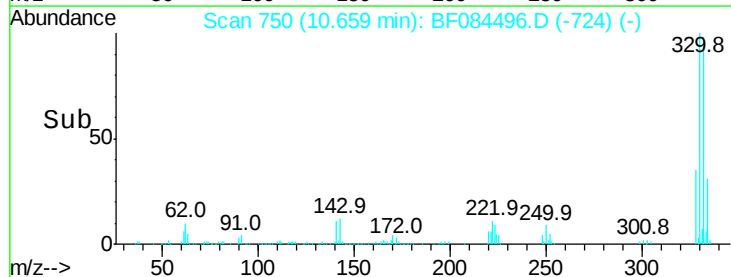
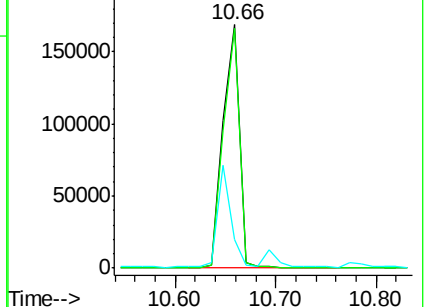
141 34.5 27.8 41.6

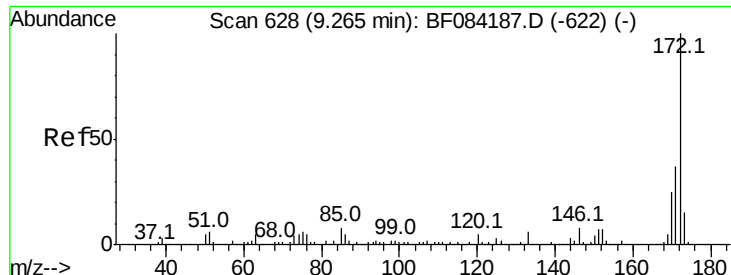


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

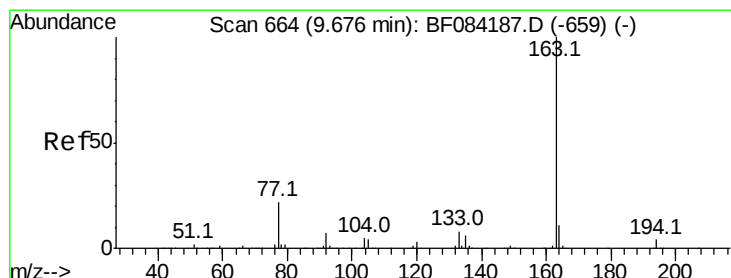
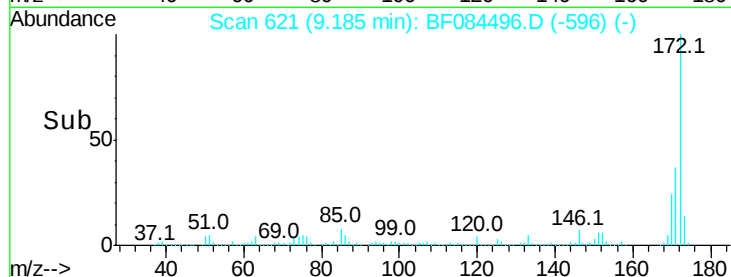
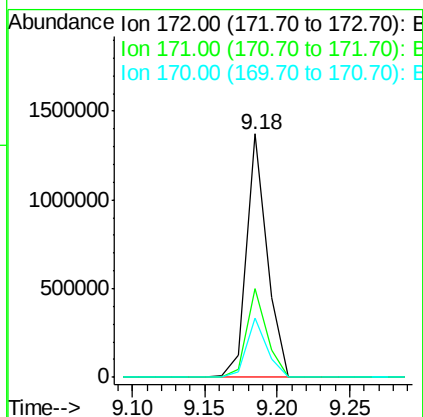
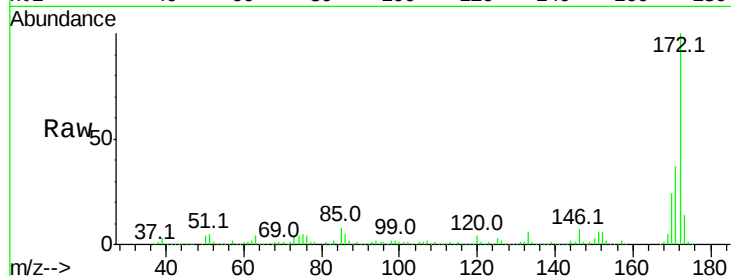




#44
2-Fluorobiphenyl
Concen: 41.88 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.01 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

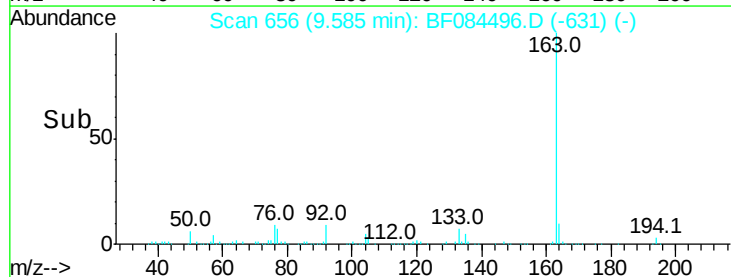
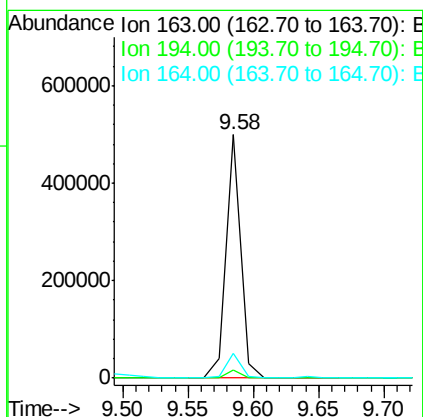
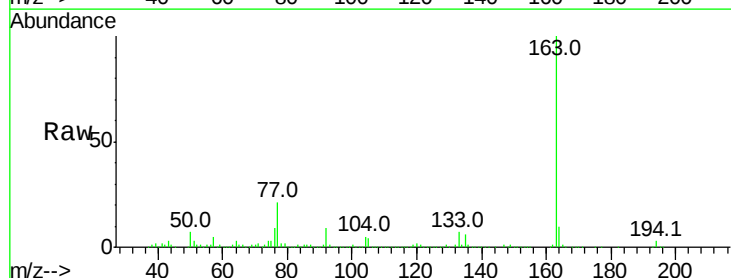
Instrument :
BNA_F
ClientSampleId :

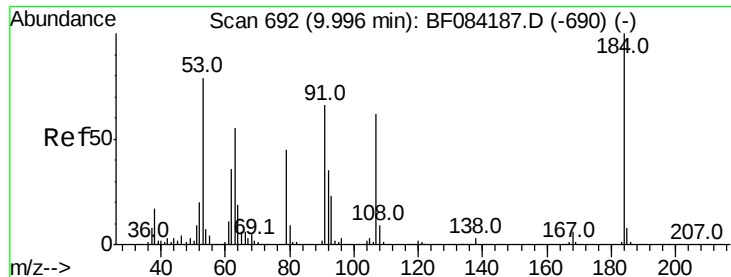
Tot Ion:172 Resp: 1344662
Ion Ratio Lower Upper
172 100
171 36.6 28.9 43.3
170 24.5 18.6 27.8



#49
Dimethylphthalate
Concen: 10.40 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

Tgt Ion:163 Resp: 389927
Ion Ratio Lower Upper
163 100
194 3.3 8.0 12.0#
164 10.1 8.0 12.0

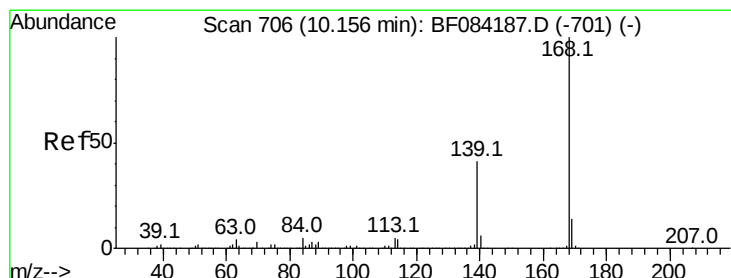
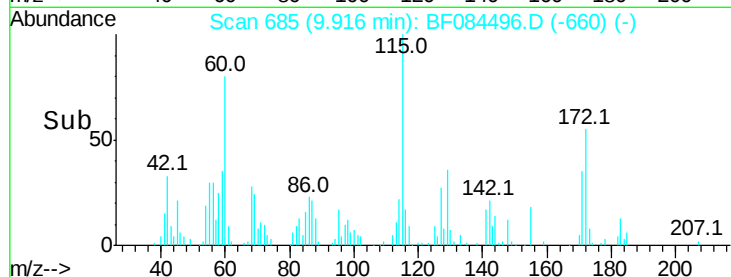
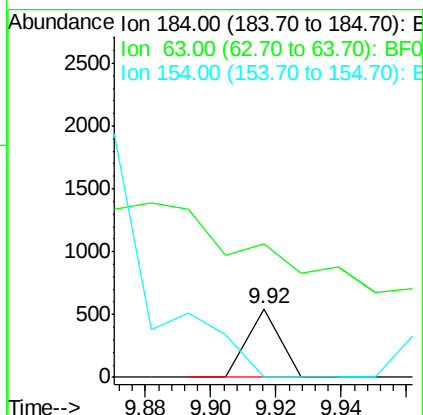
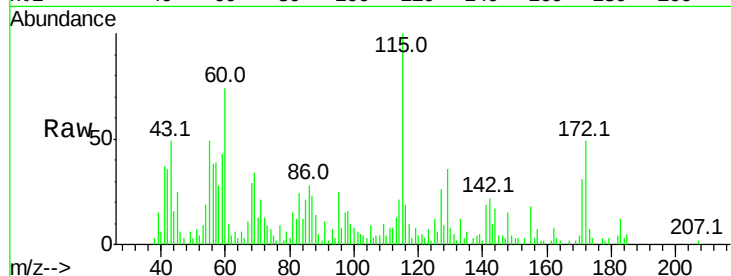




#53
2,4-Dinitrophenol
Concen: 3.66 na
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

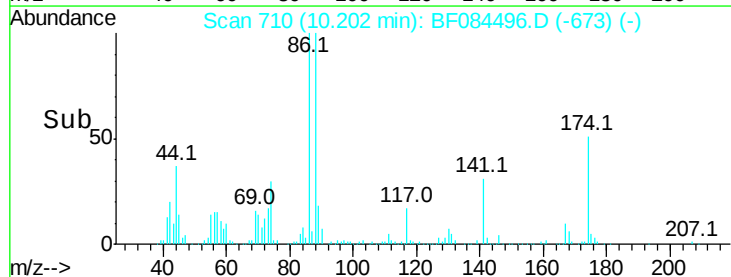
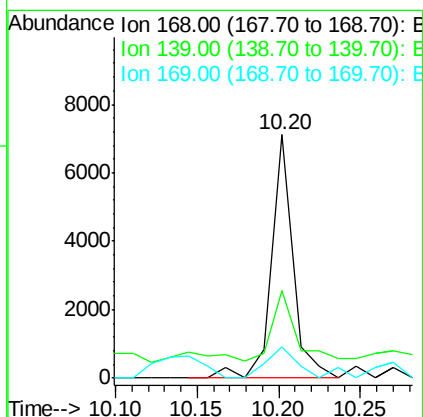
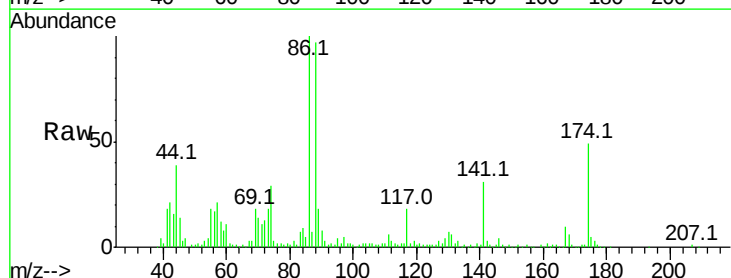
Instrument :
BNA_F
ClientSampled :

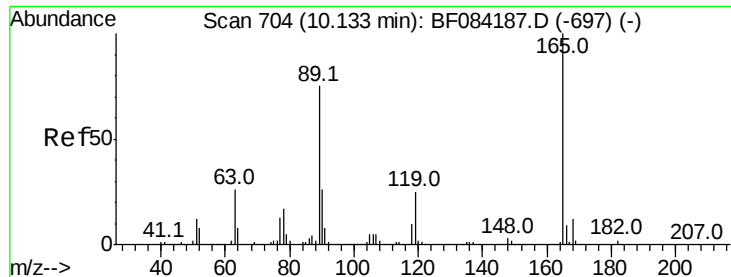
Tot Ion:184 Resp: 375
Ion Ratio Lower Upper
184 100
63 194.5 43.1 64.7#
154 0.0 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 10.20 min Scan# 710
Delta R.T. 0.13 min
Lab File: BF084496.D
Acq: 15 Jan 2016 17:42

Tgt Ion:168 Resp: 6554
Ion Ratio Lower Upper
168 100
139 36.1 30.5 45.7
169 12.6 10.4 15.6

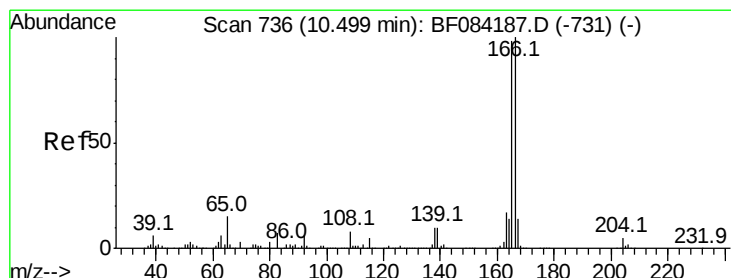
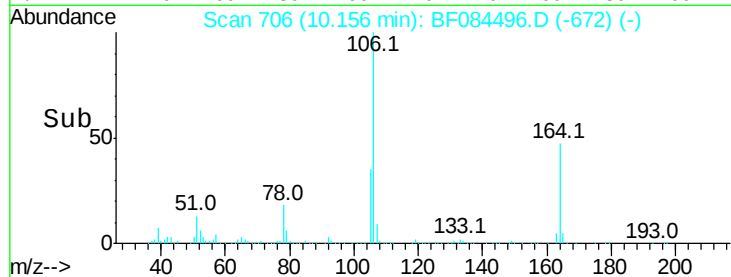
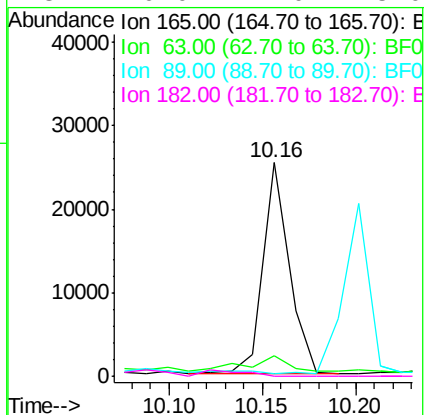
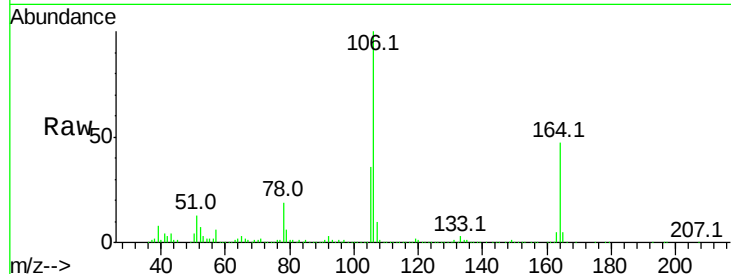




#56
 2,4-Dinitrotoluene
 Concen: 2.35 ng
 RT: 10.16 min Scan# 706
 Delta R.T. 0.09 min
 Lab File: BF084496.D
 Acq: 15 Jan 2016 17:42

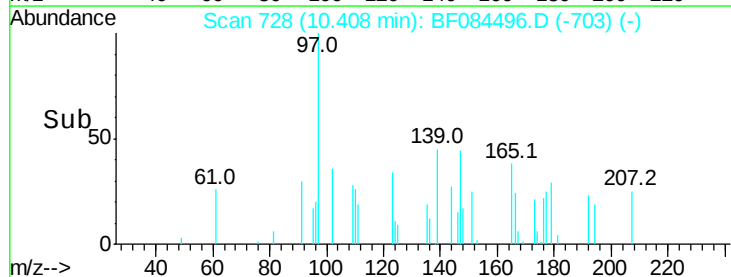
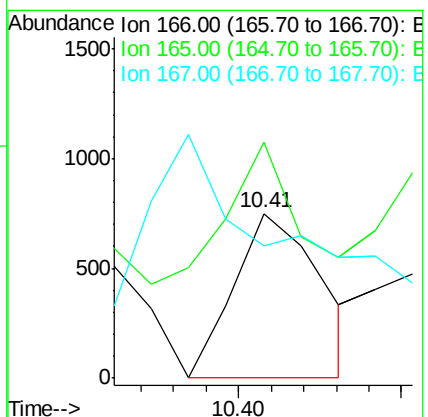
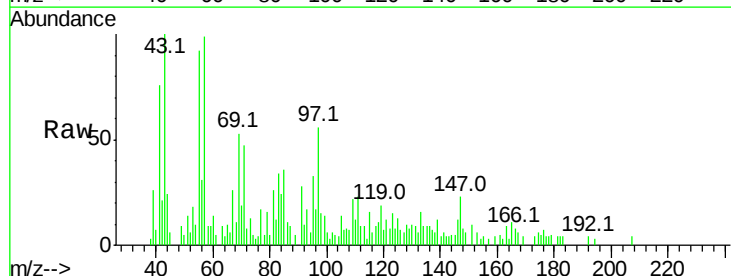
Instrument :
 BNA_F
 ClientSampleId :

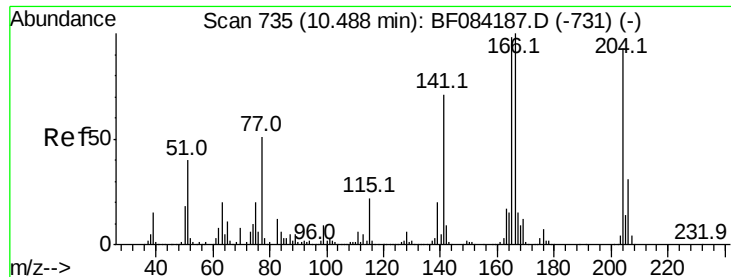
Tot Ion:165	Resp: 24434
Ion Ratio	Lower Upper
165 100	
63 9.9	36.7 55.1#
89 1.4	61.9 92.9#
182 0.0	2.0 3.0#



#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: BF084496.D
 Acq: 15 Jan 2016 17:42

Tgt	Ion:166	Resp:	1384
Ion	Ratio	Lower	Upper
166	100		
165	143.6	79.1	118.7#
167	80.5	10.4	15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.62 min Scan# 747

Delta R.T. 0.22 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampled :

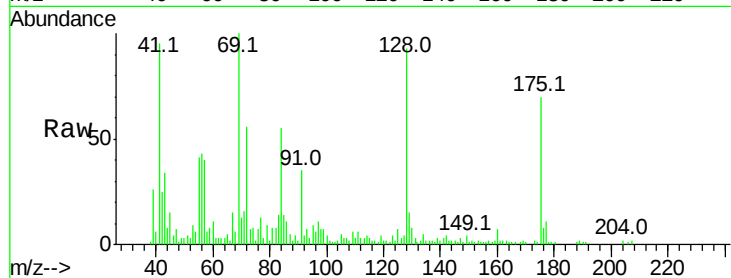
Tot Ion:204 Resp: 480

Ion Ratio Lower Upper

204 100

206 57.0 25.7 38.5#

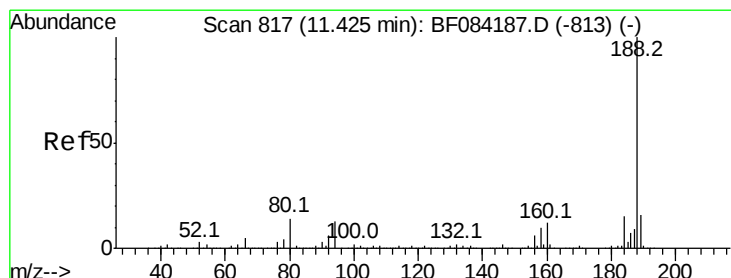
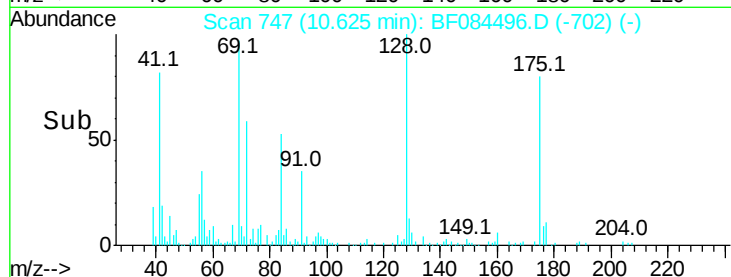
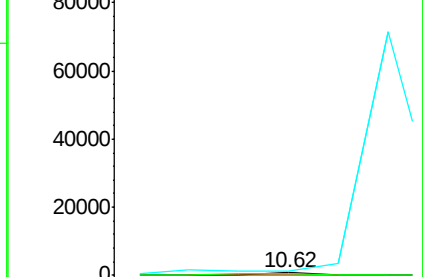
141 152.9 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

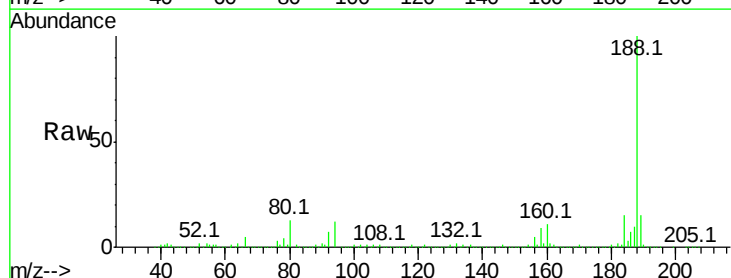
Tgt Ion:188 Resp: 886036

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.4

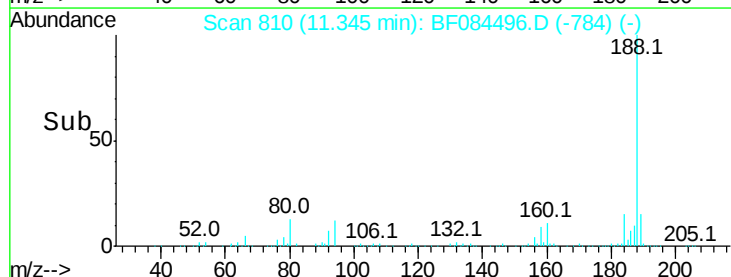
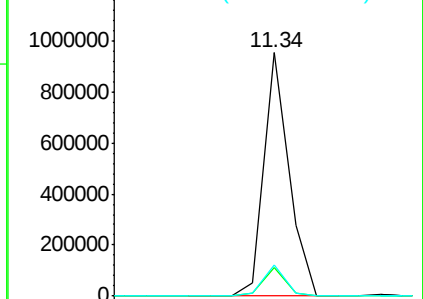
80 13.0 9.6 14.4

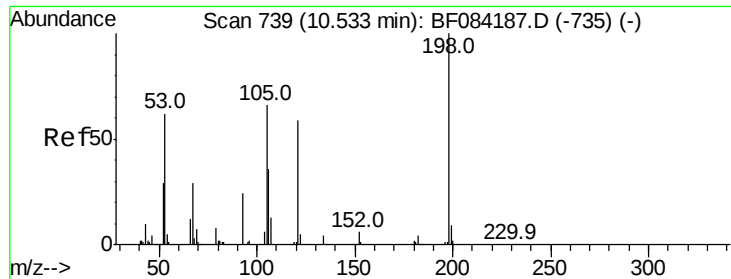


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.80 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.23 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampleId :

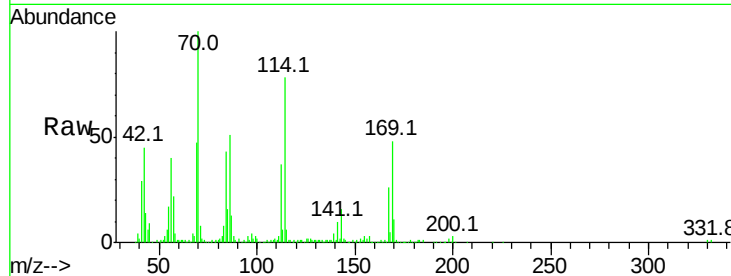
Tot Ion:198 Resp: 2772

Ion Ratio Lower Upper

198 100

51 38.8 18.9 58.9

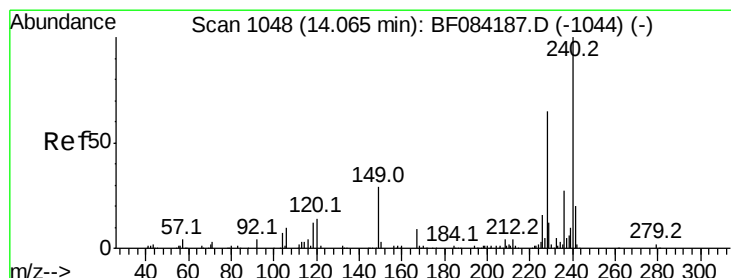
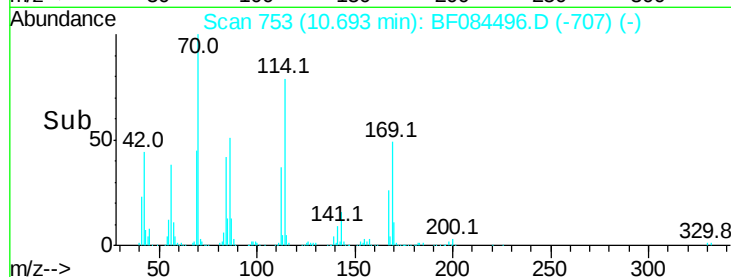
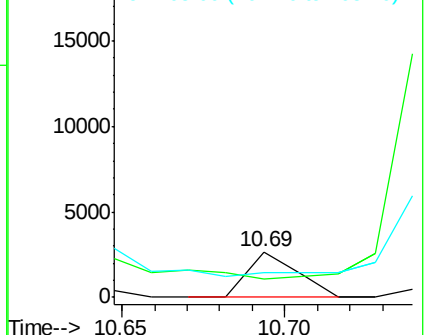
105 52.9 26.4 66.4



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

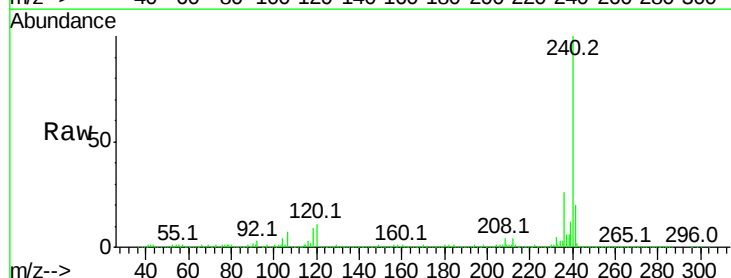
Tgt Ion:240 Resp: 644102

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

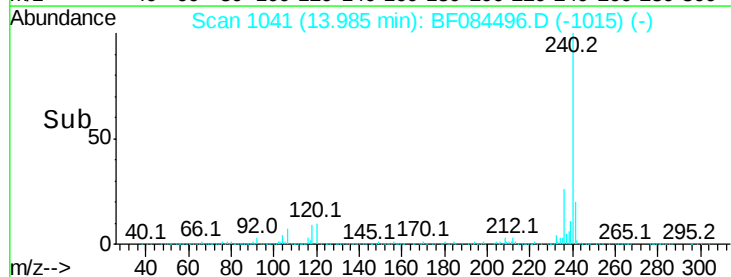
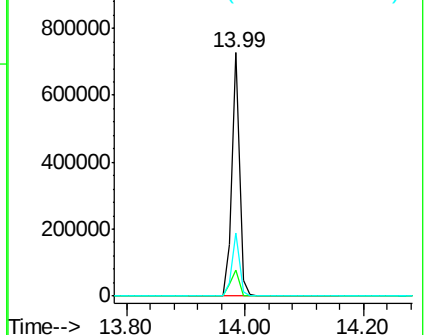
236 25.9 20.6 31.0

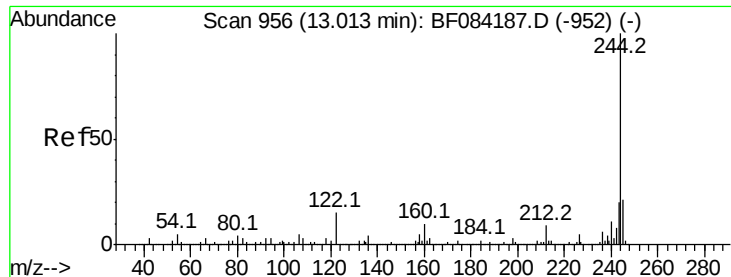


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 30.90 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

Instrument :

BNA_F

ClientSampled :

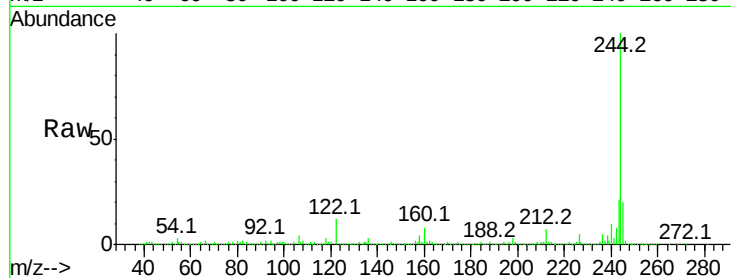
Tot Ion:244 Resp: 891559

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

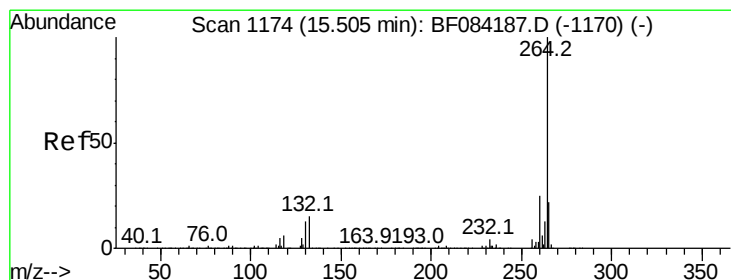
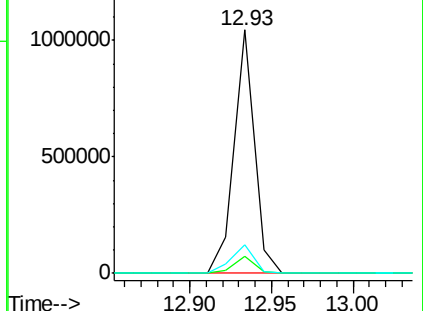
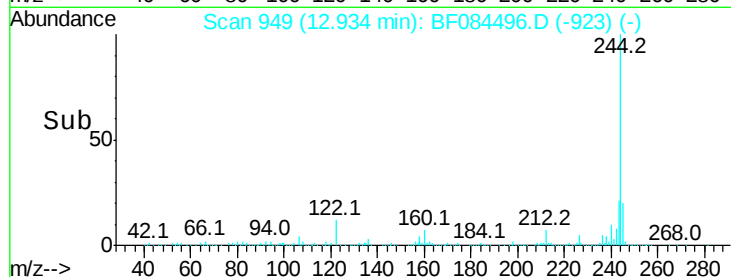
122 11.8 7.4 11.0#



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: 15.40 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF084496.D

Acq: 15 Jan 2016 17:42

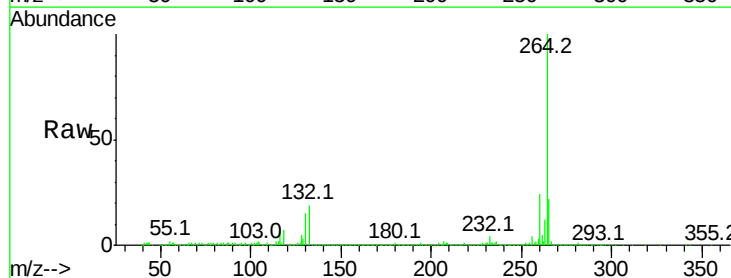
Tgt Ion:264 Resp: 560077

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.8 17.8 26.6



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

