

Data Path : Z:\HPCHEM1\BNA F\Data\BF012716\
 Data File : BF084621.D
 Acq On : 27 Jan 2016 15:10
 Operator : SJ/IZ
 Sample : H1250-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 18:02:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 25 16:24:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	157186	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	597040	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	379771	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	727012	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	585479	20.00	ng	-0.01
86) Perylene-d12	15.28	264	414246	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	603290	62.08	ng	0.00
7) Phenol-d6	6.38	99	362033	29.66	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1182476	110.23	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	447948	116.83	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1729923	79.74	ng	0.00
78) Terphenyl-d14	12.84	244	2064679	78.72	ng	-0.01

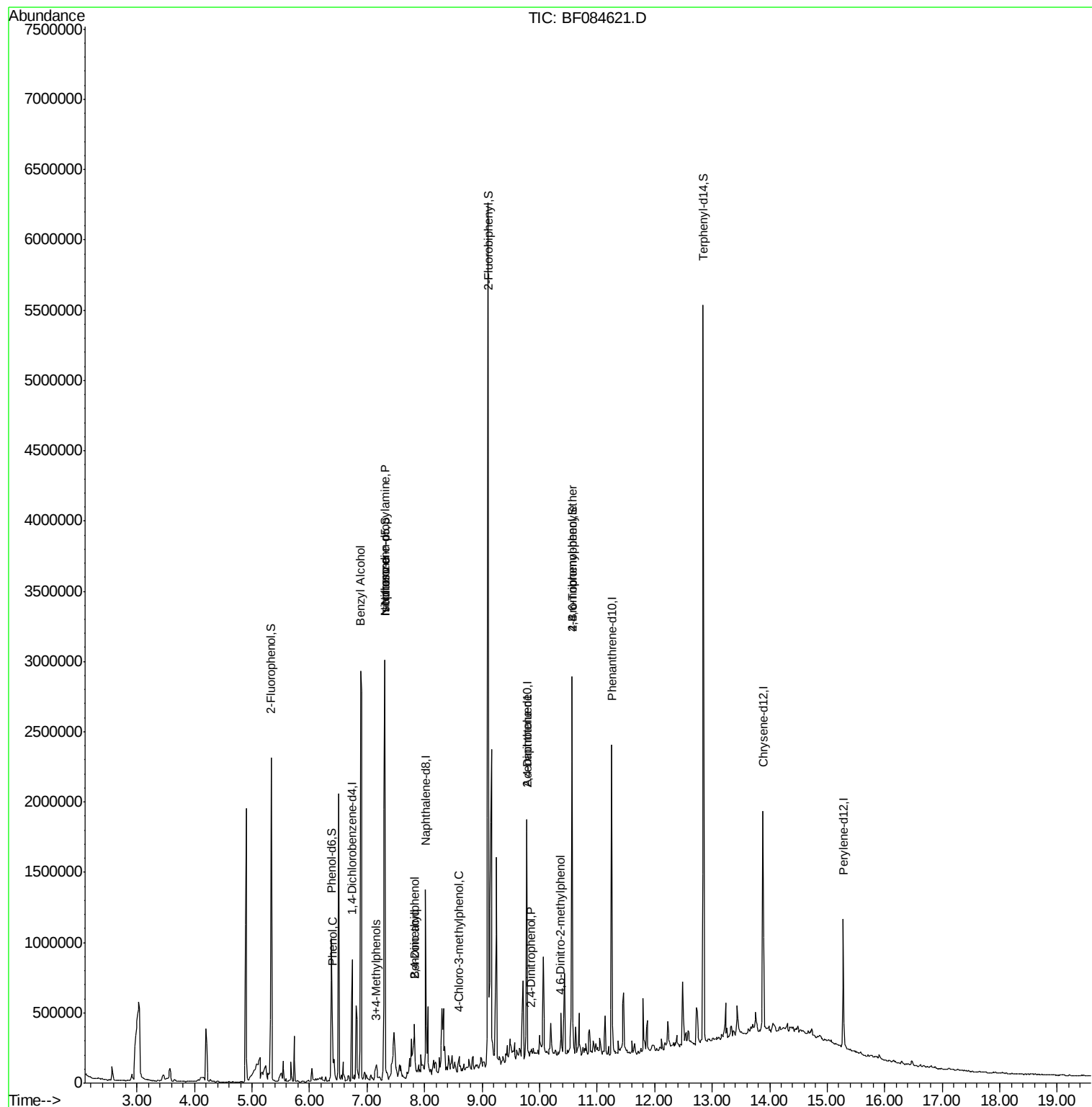
Target Compounds				Qvalue		
10) Phenol	6.40	94	128485	9.26	ng	84
15) Benzyl Alcohol	6.89	79	30657	2.99	ng	# 64
19) n-Nitroso-di-n-propylamine	7.31	70	171264	20.73	ng	# 72
20) 3+4-Methylphenols	7.16	107	26672	2.46	ng	87
25) Isophorone	7.31	82	1107251	53.97	ng	# 66
27) 2,4-Dimethylphenol	7.82	122	158035	15.77	ng	# 6
32) Benzoic acid	7.82	122	160175	27.86	ng	92
36) 4-Chloro-3-methylphenol	8.60	107	18850	2.02	ng	# 20
53) 2,4-Dinitrophenol	9.85	184	485	3.74	ng	# 1
54) Dibenzofuran	9.97	168	4085	Below Cal	#	27
56) 2,4-Dinitrotoluene	9.78	165	50279	6.67	ng	# 25
57) Fluorene	10.32	166	4472	Below Cal	#	86
60) 4-Chlorophenyl-phenylether	10.41	204	213	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.36	198	285	6.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	28550	3.65	ng	# 1
73) Di-n-butylphthalate	11.82	149	16291	Below Cal	#	91

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 25 16:24:07 2016
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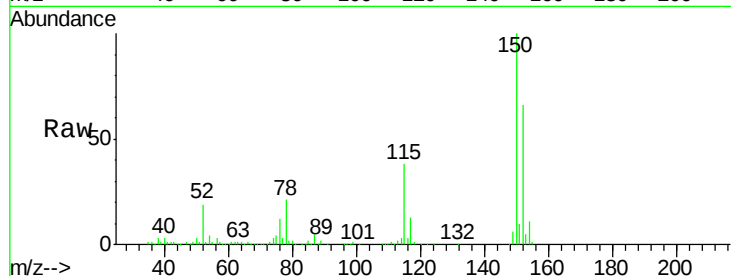


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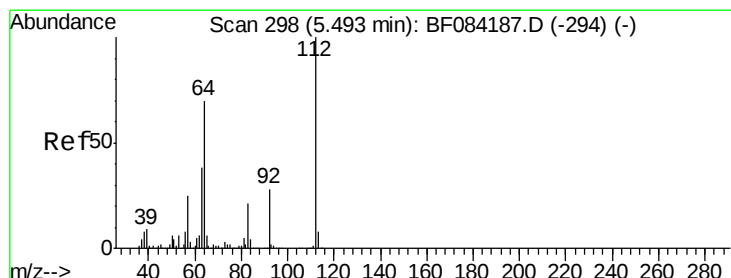
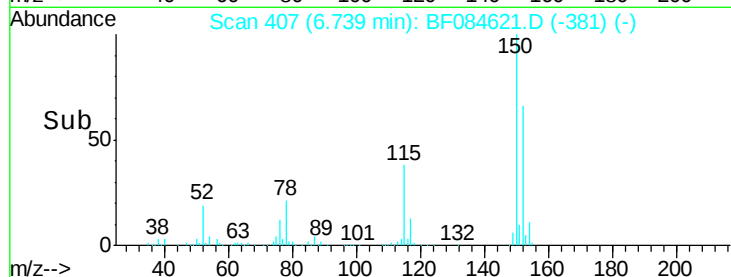
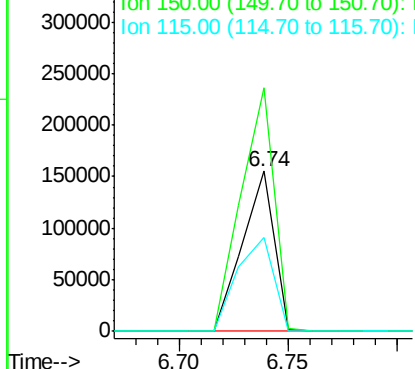
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157186
Ion Ratio Lower Upper
152 100
150 152.1 123.0 184.4
115 58.4 51.4 77.2



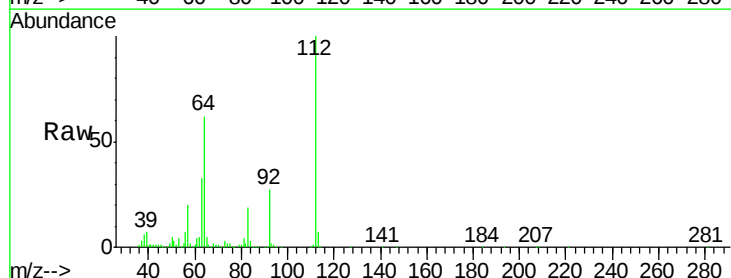
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



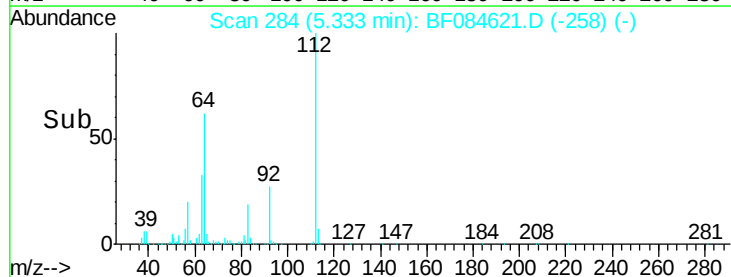
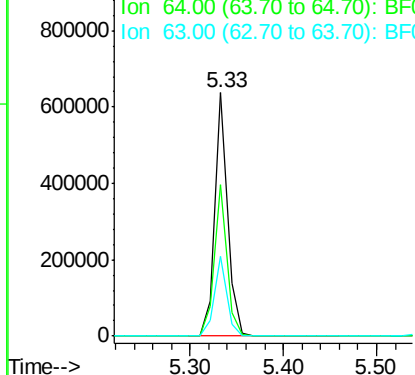
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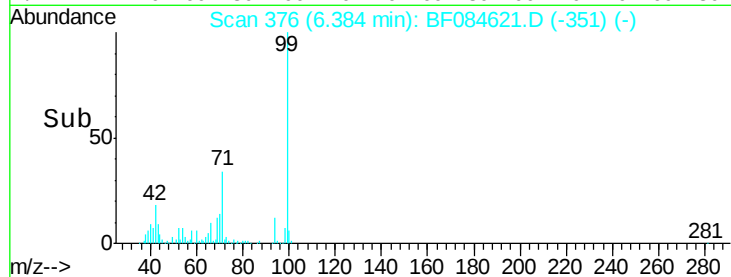
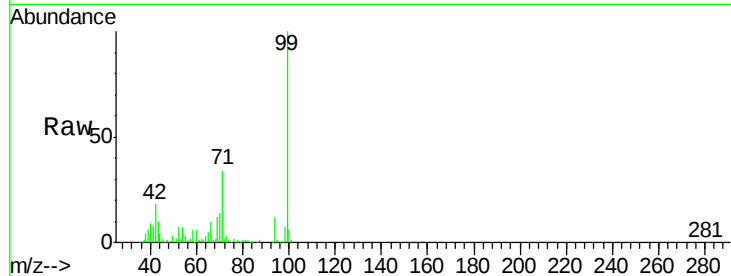
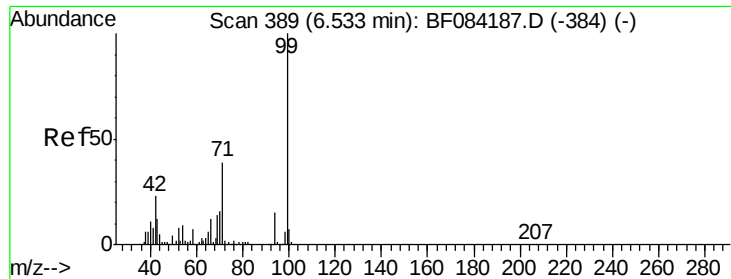
2-Fluorophenol
Concen: 62.08 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.00 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt Ion:112 Resp: 603290
Ion Ratio Lower Upper
112 100
64 62.2 36.6 55.0#
63 32.7 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





#7

Phenol-d6

Concen: 29.66 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

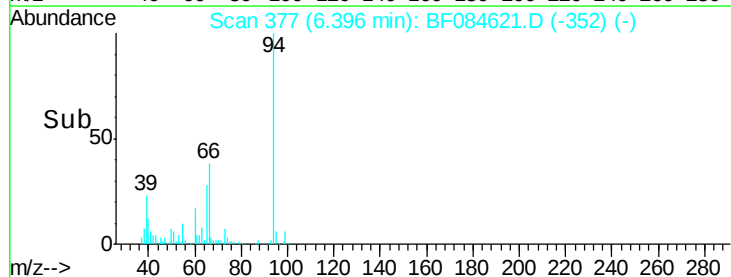
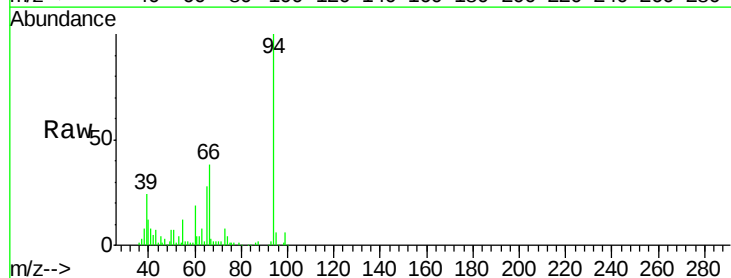
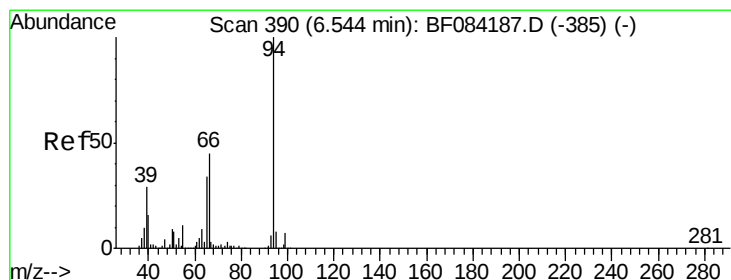
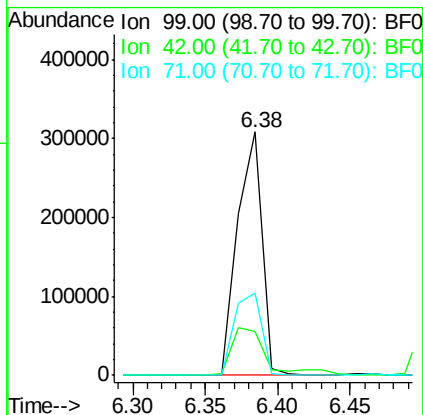
Tot Ion: 99 Resp: 362033

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

71 33.9 30.9 46.3



#10

Phenol

Concen: 9.26 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

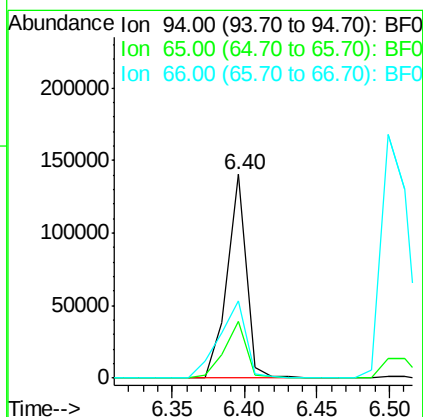
Tgt Ion: 94 Resp: 128485

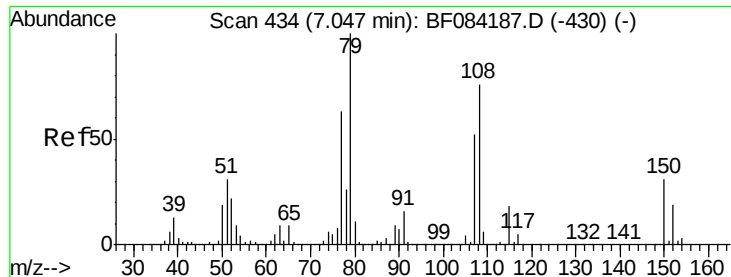
Ion Ratio Lower Upper

94 100

65 27.9 12.9 52.9

66 38.1 32.7 72.7





#15

Benzyl Alcohol

Concen: 2.99 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

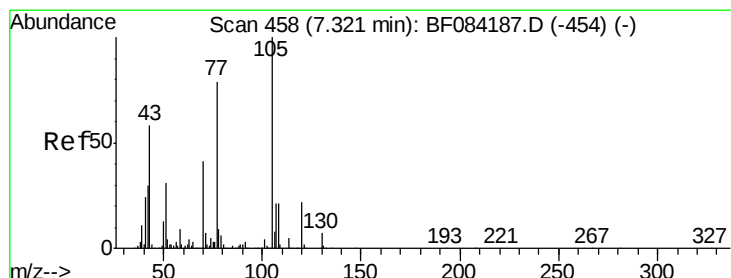
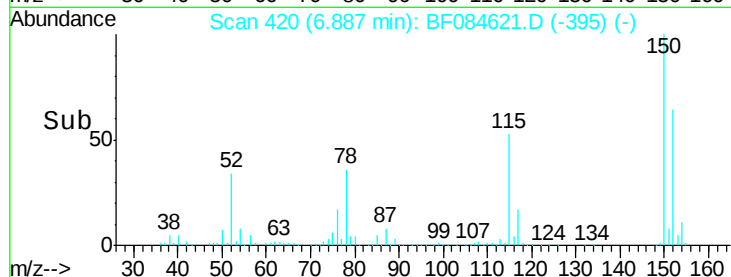
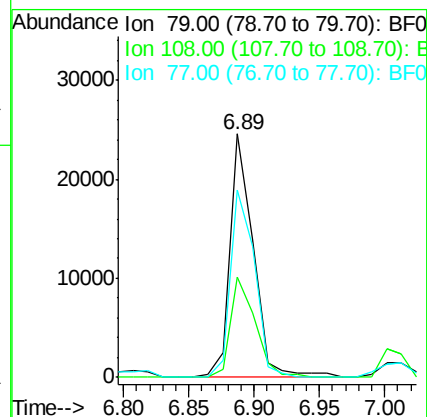
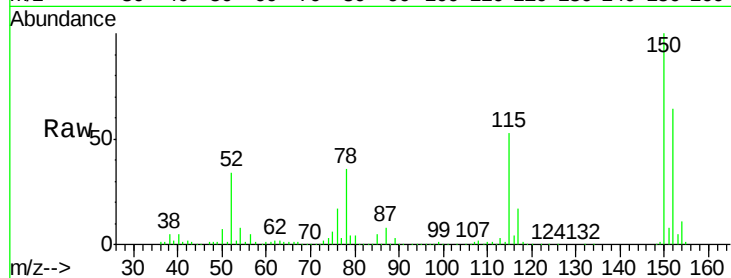
Tot Ion: 79 Resp: 30657

Ion Ratio Lower Upper

79 100

108 41.1 69.0 103.4#

77 77.0 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 20.73 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.14 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Tgt Ion: 70 Resp: 171264

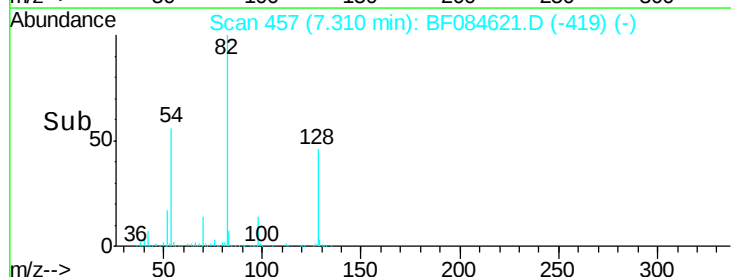
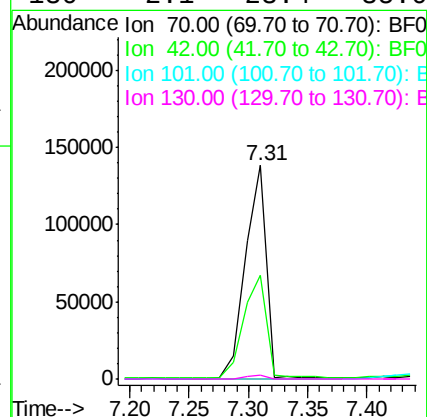
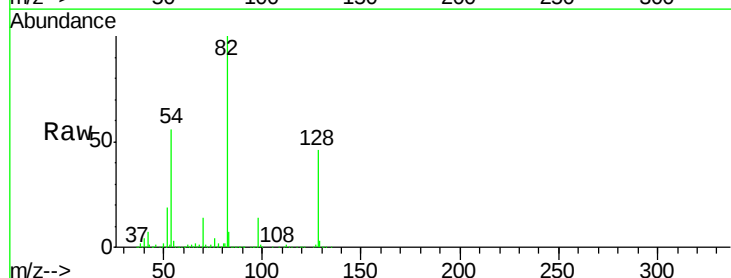
Ion Ratio Lower Upper

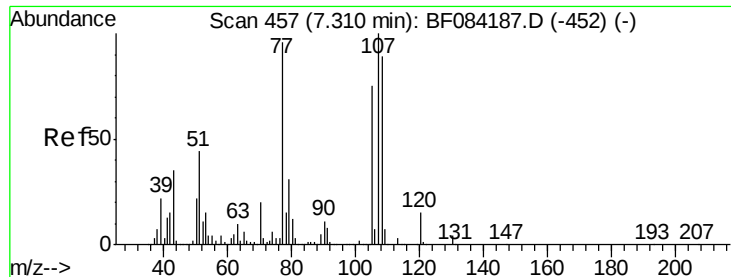
70 100

42 48.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

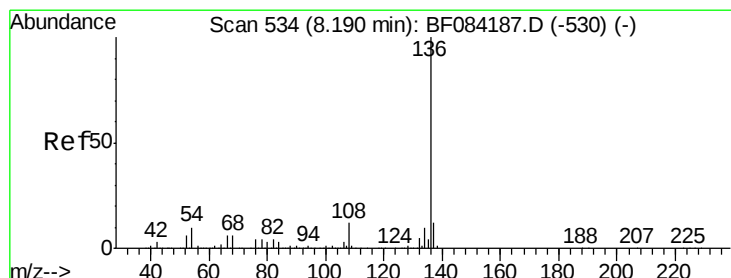
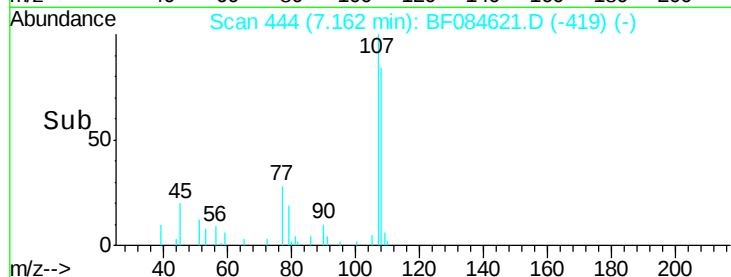
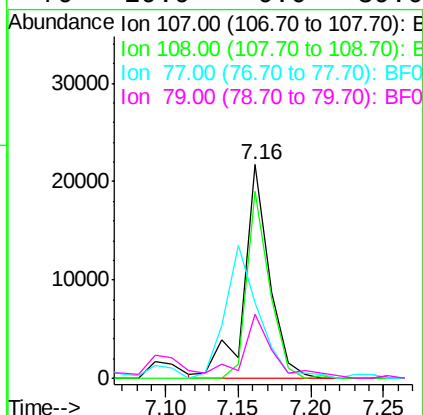
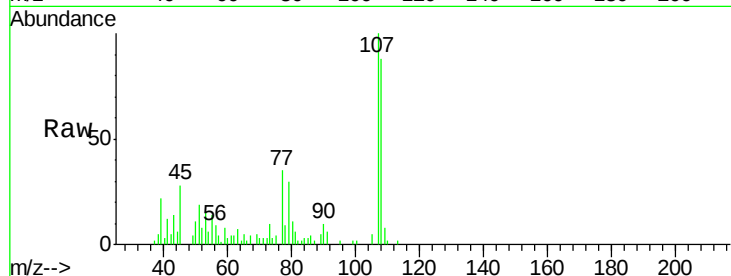




#20
3+4-Methylphenols
Concen: 2.46 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

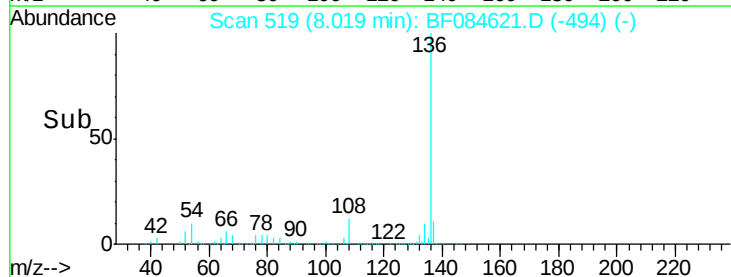
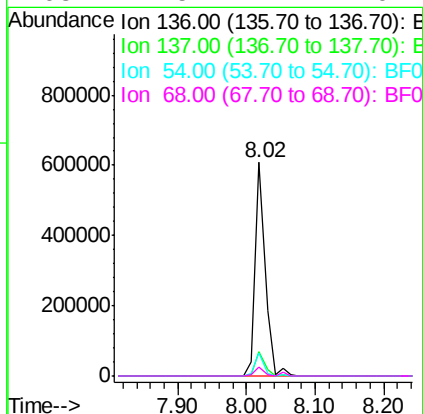
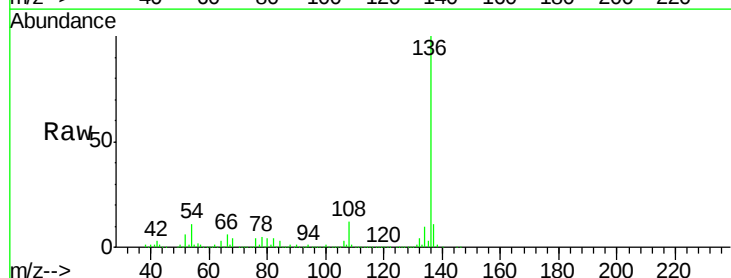
Instrument :
BNA_F
ClientSampleId :

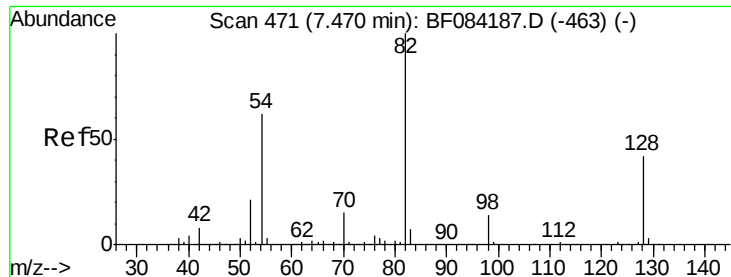
Tot Ion:107	Resp:	26672	
Ion Ratio	Lower	Upper	
107 100			
108 87.5	74.6	114.6	
77 35.1	0.7	40.7	
79 29.9	0.0	39.0	



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt	Ion:136	Resp:	597040
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.6	5.8	8.8#
68	4.5	4.2	6.2

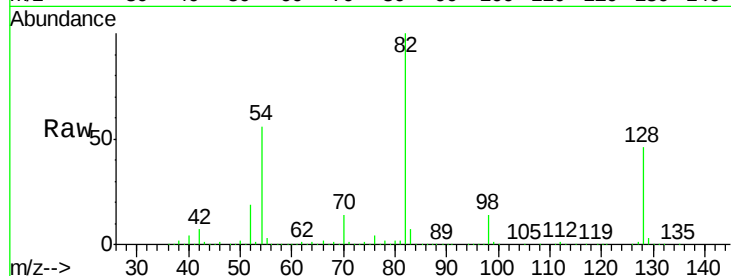




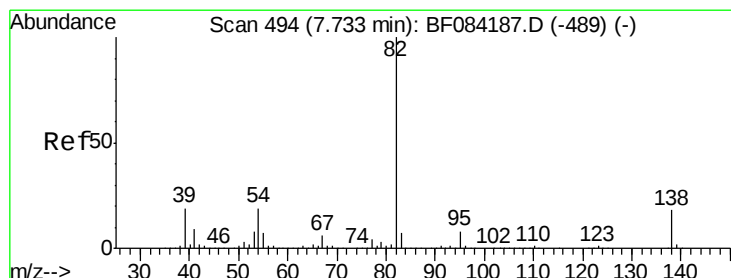
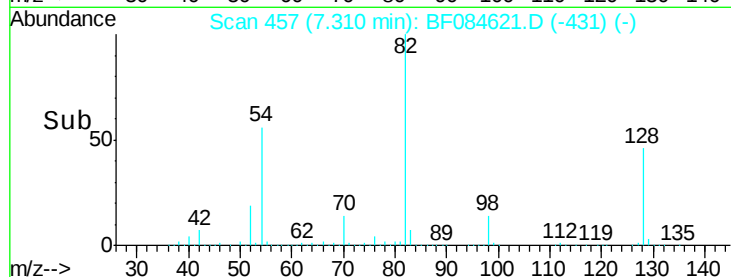
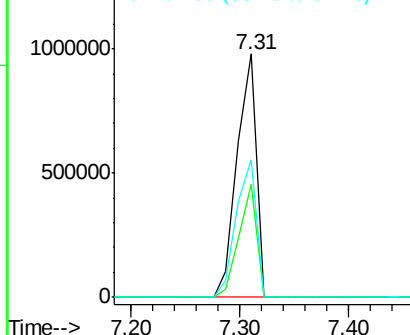
#23
Nitrobenzene-d5
Concen: 110.23 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1182476
Ion Ratio Lower Upper
82 100
128 46.4 34.6 51.8
54 56.4 38.4 57.6

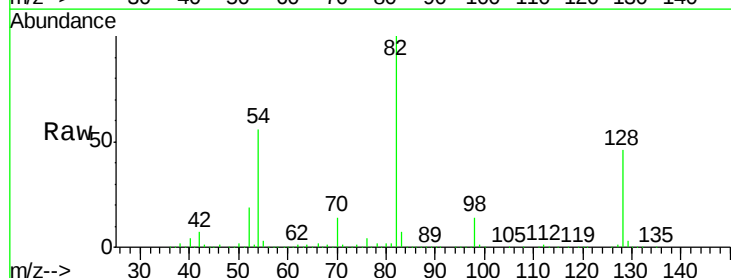


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

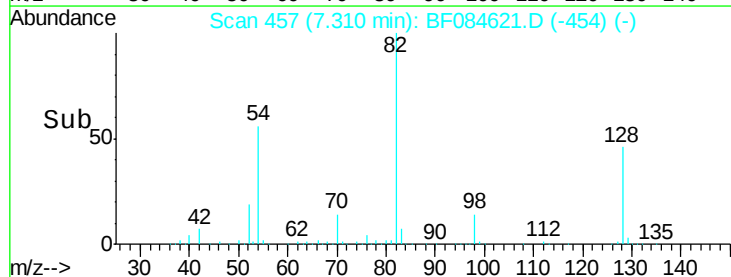
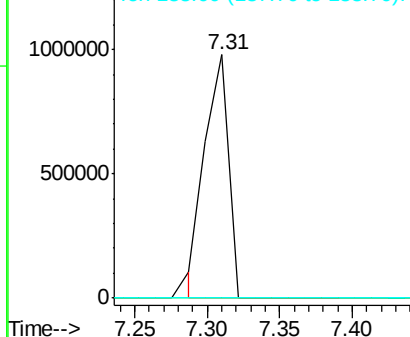


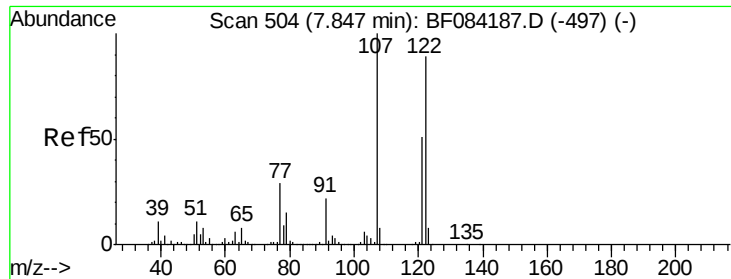
#25
Isophorone
Concen: 53.97 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.26 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt Ion: 82 Resp: 1107251
Ion Ratio Lower Upper
82 100
95 0.1 6.6 10.0#
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#27

2,4-Dimethylphenol

Concen: 15.77 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.13 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

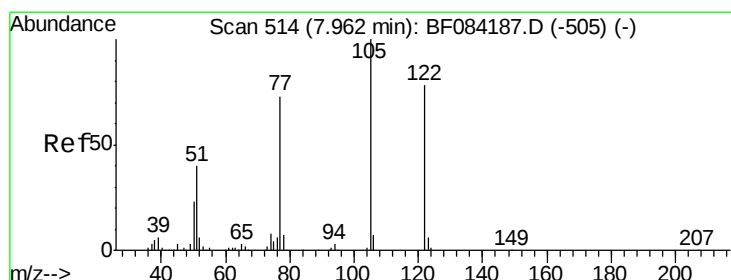
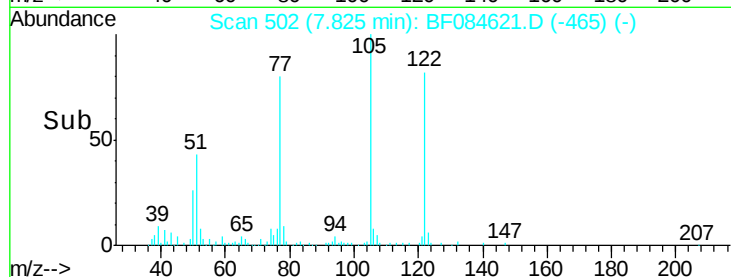
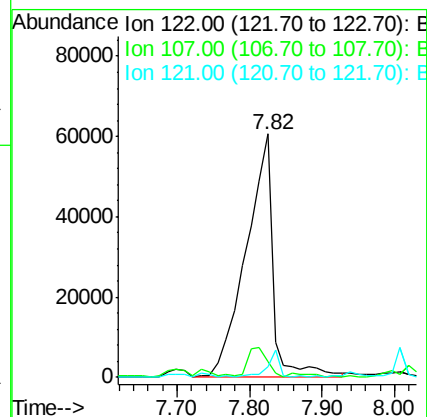
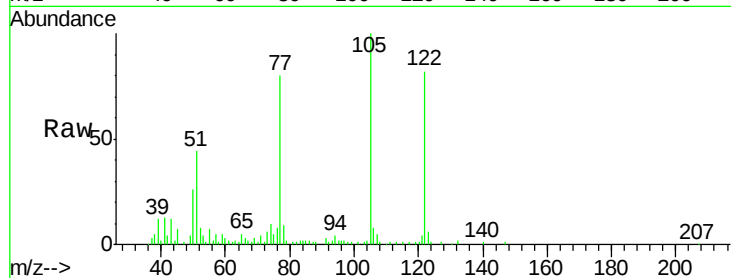
Tot Ion:122 Resp: 158035

Ion Ratio Lower Upper

122 100

107 6.6 99.1 148.7#

121 4.6 47.9 71.9#



#32

Benzoic acid

Concen: 27.86 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

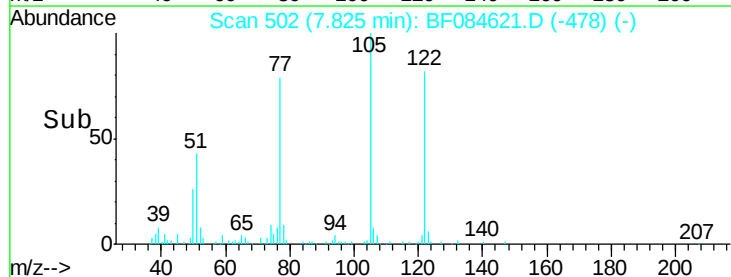
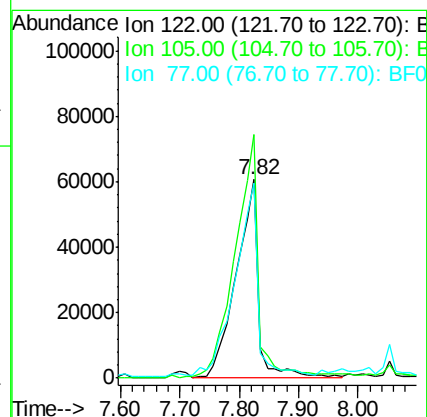
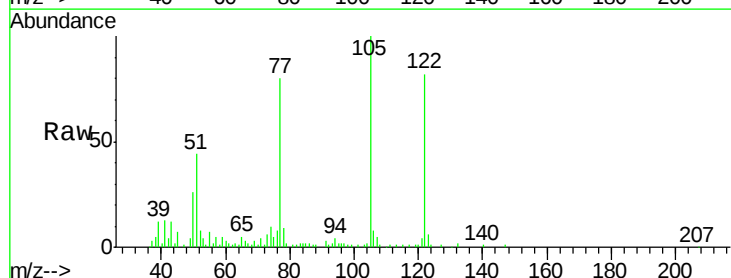
Tgt Ion:122 Resp: 160175

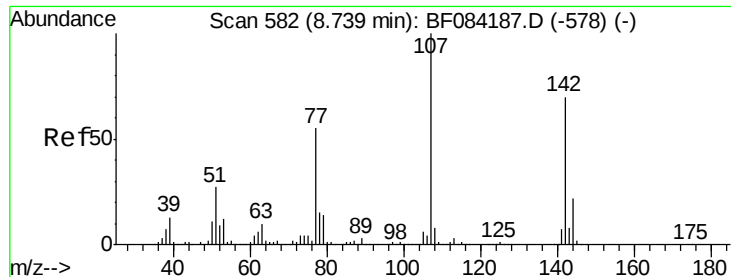
Ion Ratio Lower Upper

122 100

105 122.6 100.3 140.3

77 98.1 63.5 103.5

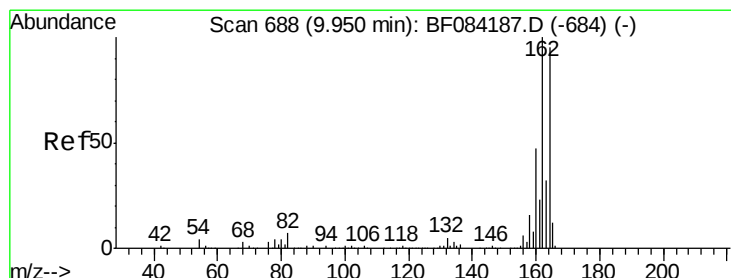
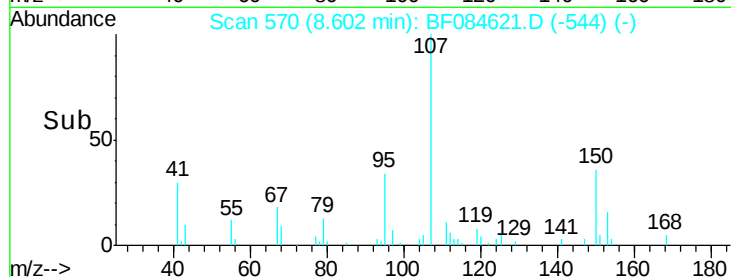
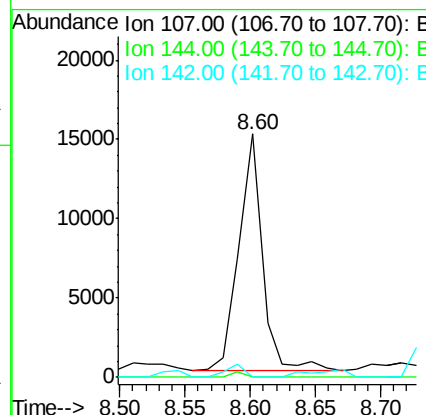
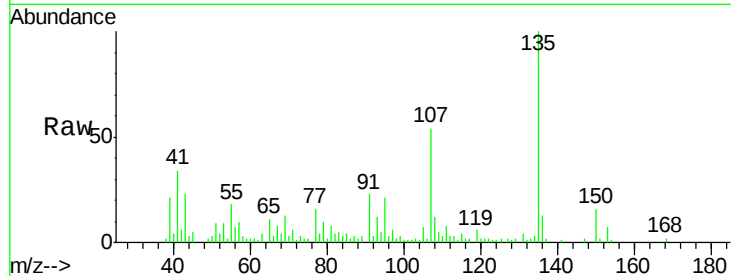




#36
 4-Chloro-3-methylphenol
 Concen: 2.02 ng
 RT: 8.60 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF084621.D
 Acq: 27 Jan 2016 15:10

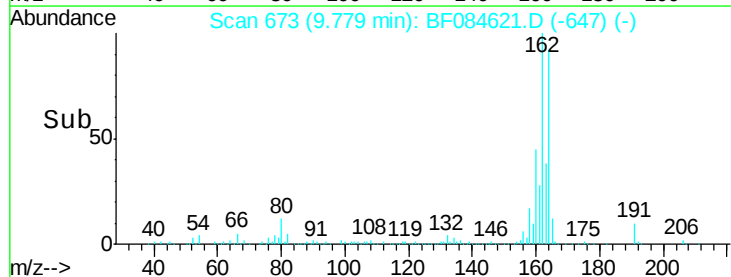
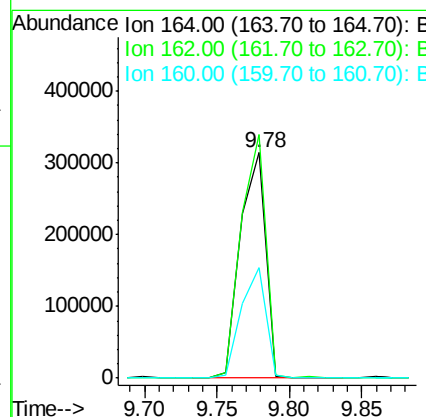
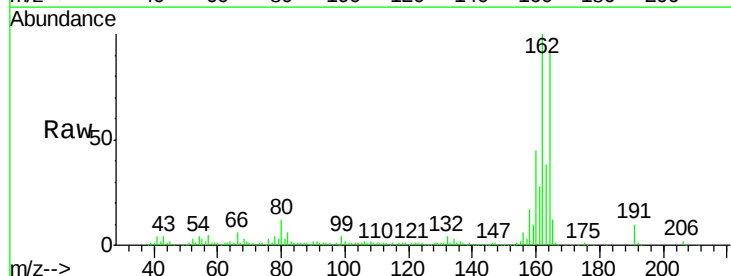
Instrument :
 BNA_F
 ClientSampleId :

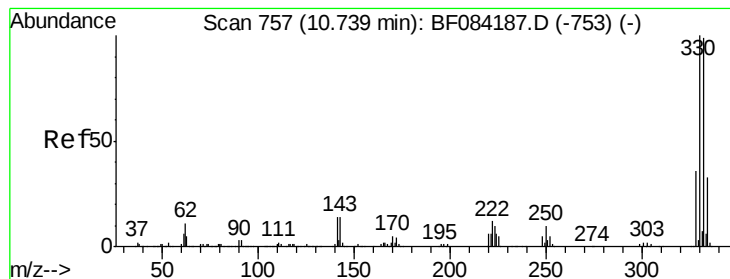
Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	19.7	29.5#
142	0.0	61.8	92.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF084621.D
 Acq: 27 Jan 2016 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.1	85.1	127.7
160	48.9	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 116.83 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

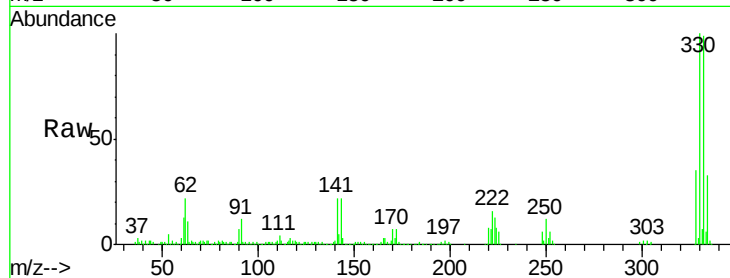
Tot Ion:330 Resp: 447948

Ion Ratio Lower Upper

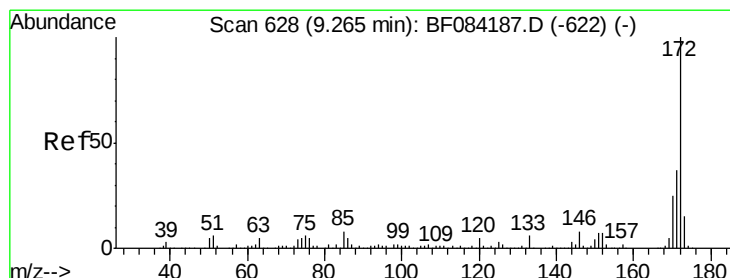
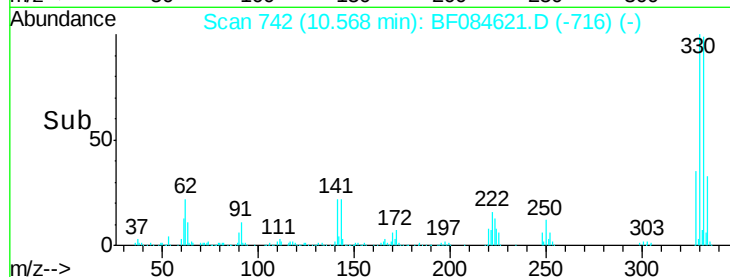
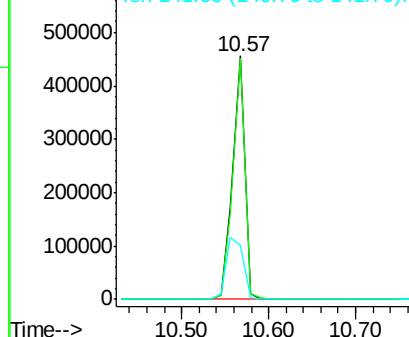
330 100

332 97.5 76.6 114.8

141 35.0 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: 79.74 ng

RT: 9.10 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

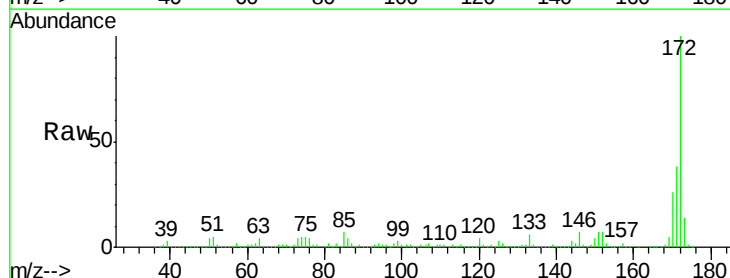
Tgt Ion:172 Resp: 1729923

Ion Ratio Lower Upper

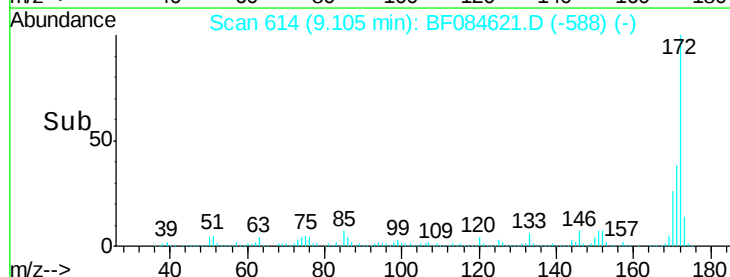
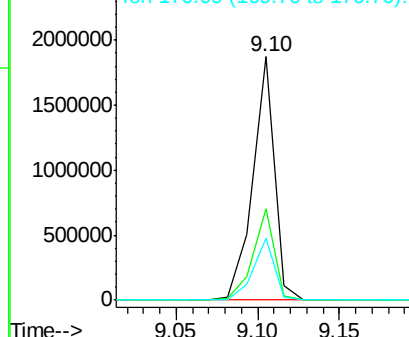
172 100

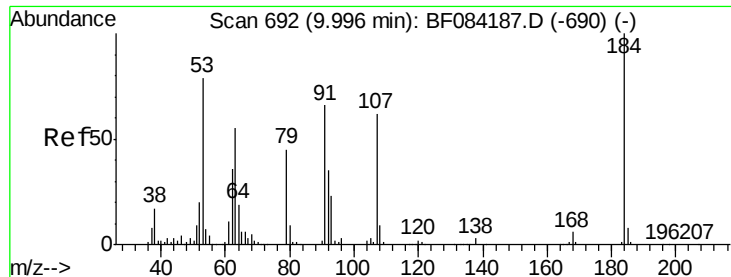
171 37.7 28.9 43.3

170 25.7 18.6 27.8



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

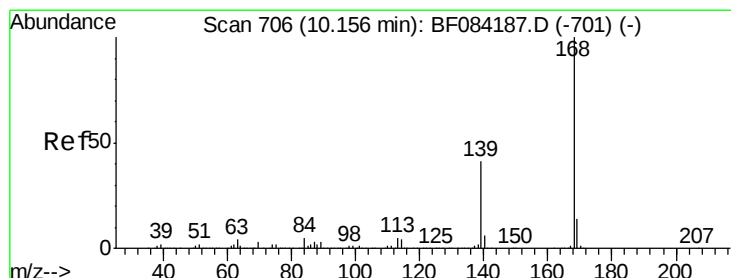
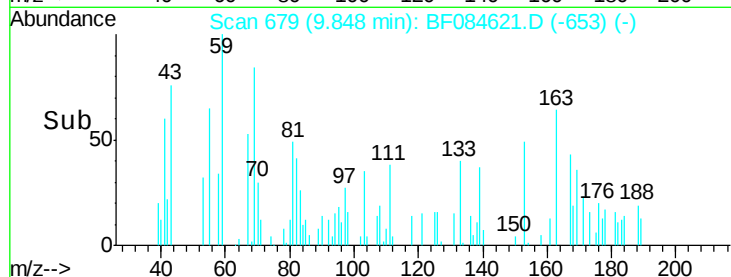
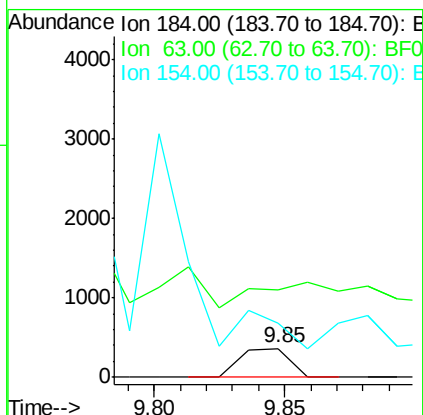
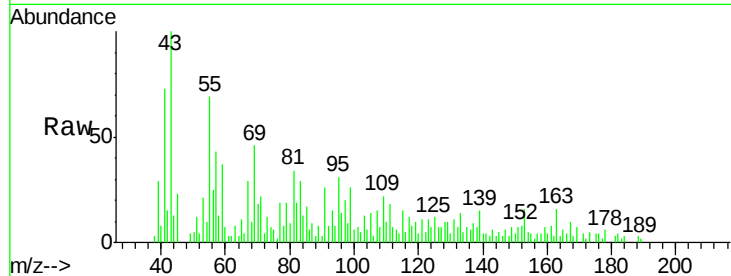




#53
2,4-Dinitrophenol
Concen: 3.74 na
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

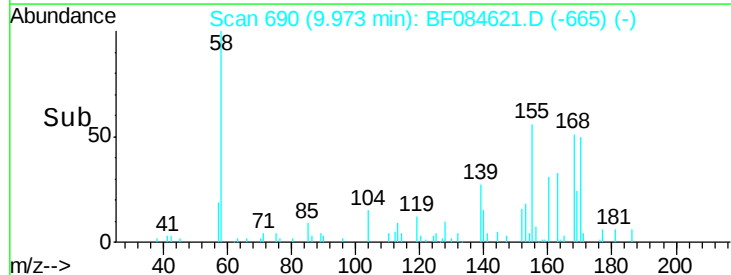
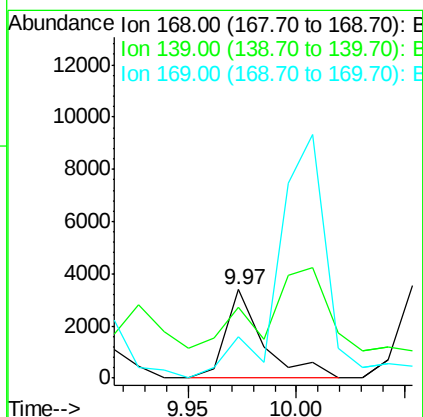
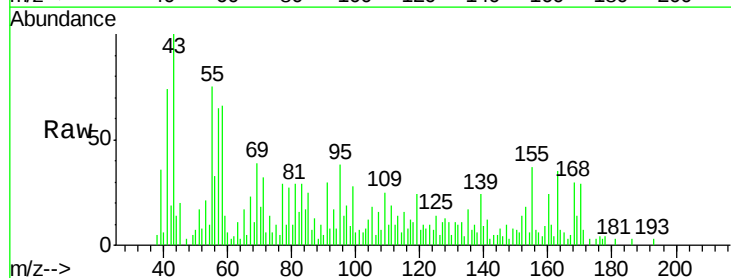
Instrument :
BNA_F
ClientSampleId :

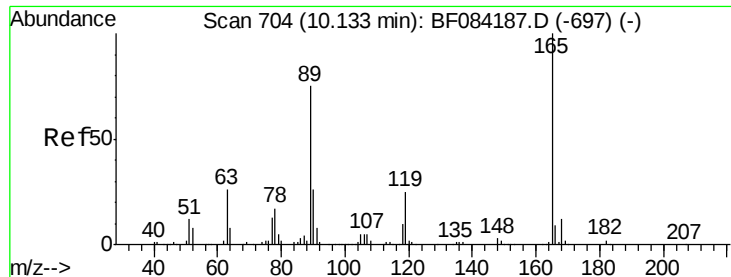
Tot Ion:184 Resp: 485
Ion Ratio Lower Upper
184 100
63 305.8 43.1 64.7#
154 188.9 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt Ion:168 Resp: 4085
Ion Ratio Lower Upper
168 100
139 80.1 30.5 45.7#
169 46.5 10.4 15.6#

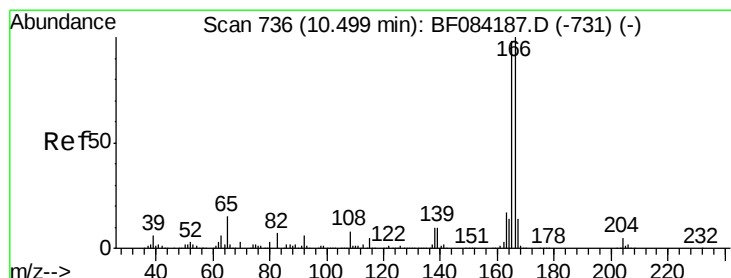
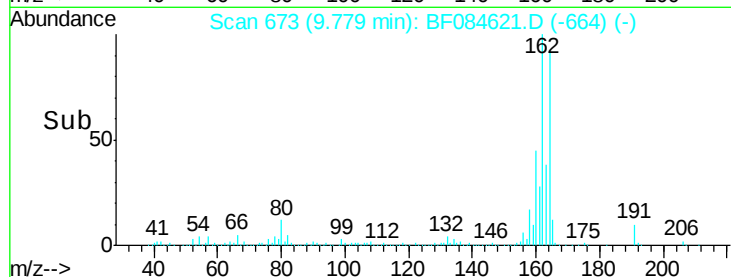
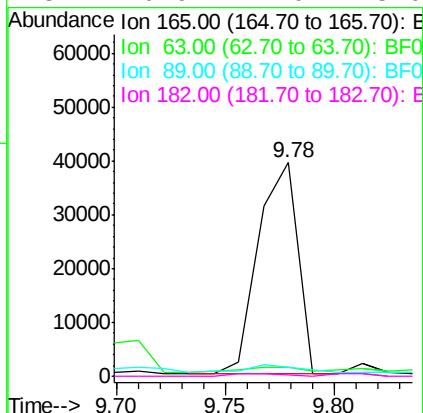
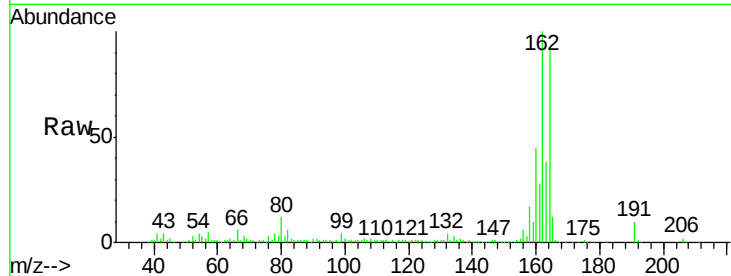




#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.19 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

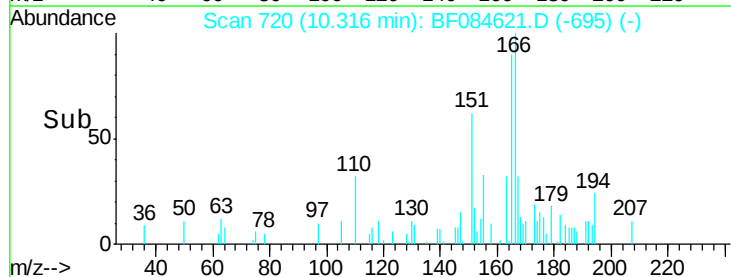
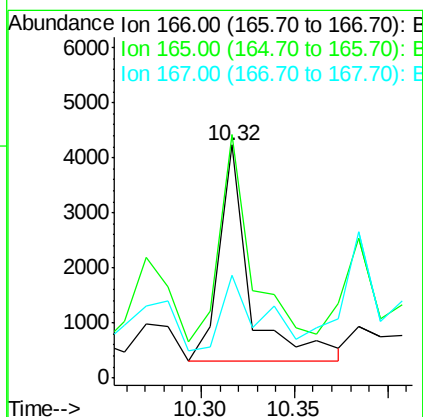
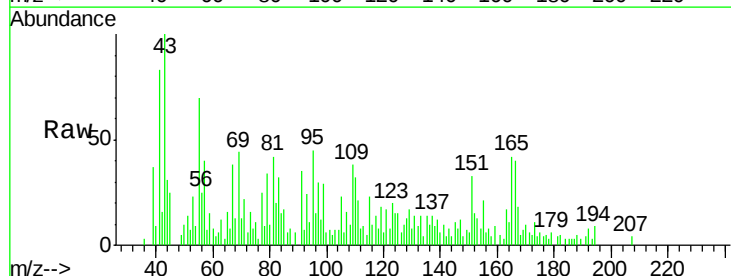
Instrument :
BNA_F
ClientSampleId :

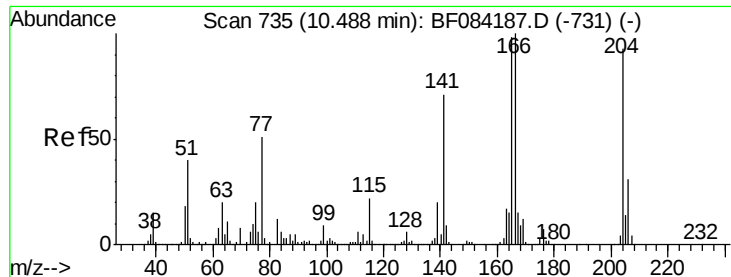
Tot Ion:165 Resp: 50279
Ion Ratio Lower Upper
165 100
63 4.3 36.7 55.1#
89 4.2 61.9 92.9#
182 0.9 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt Ion:166 Resp: 4472
Ion Ratio Lower Upper
166 100
165 104.4 79.1 118.7
167 44.0 10.4 15.6#

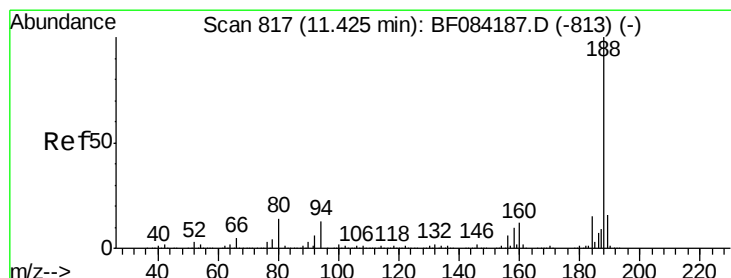
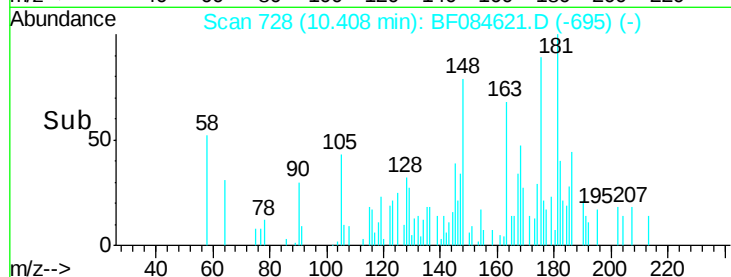
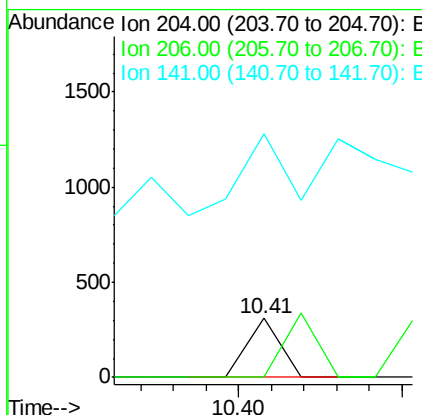
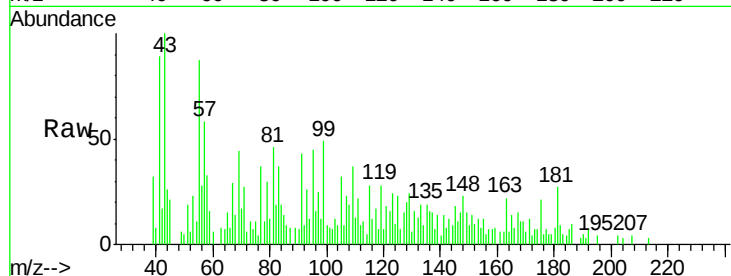




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.41 min Scan# 728
Delta R.T. 0.08 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

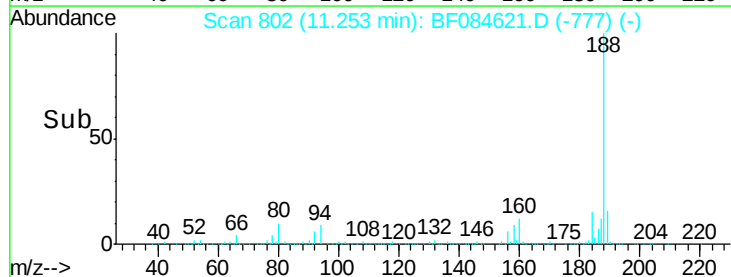
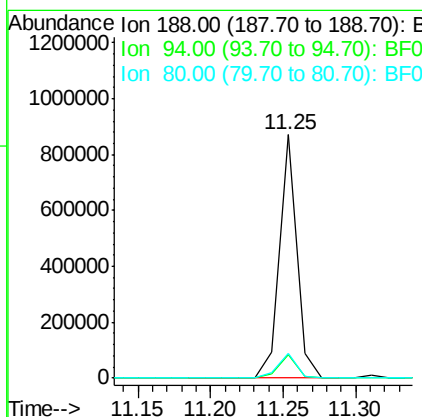
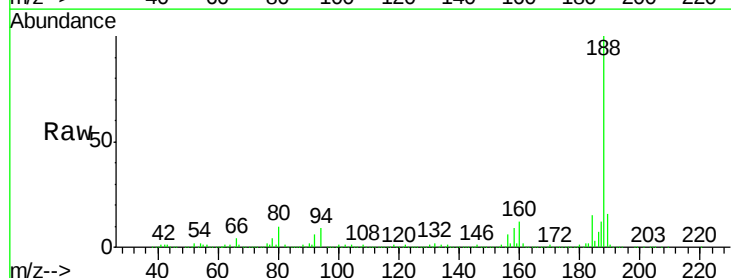
Instrument :
BNA_F
ClientSampleId :

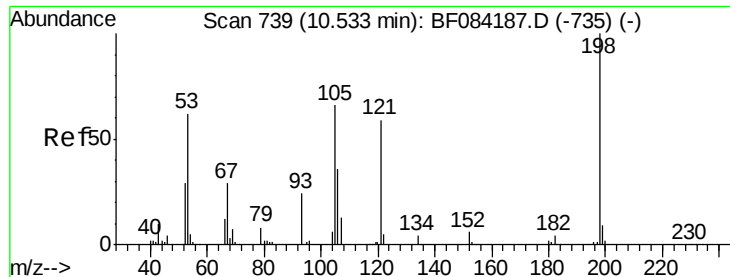
Tot Ion:204 Resp: 213
Ion Ratio Lower Upper
204 100
206 0.0 25.7 38.5#
141 412.9 55.1 82.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Tgt Ion:188 Resp: 727012
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 10.1 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 6.47 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

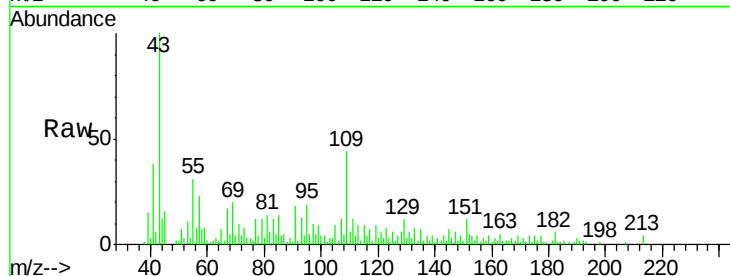
Tot Ion:198 Resp: 285

Ion Ratio Lower Upper

198 100

51 557.8 18.9 58.9#

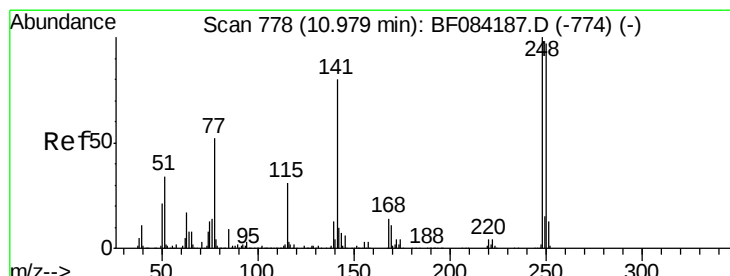
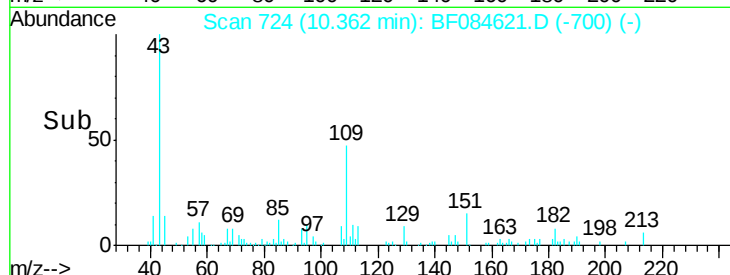
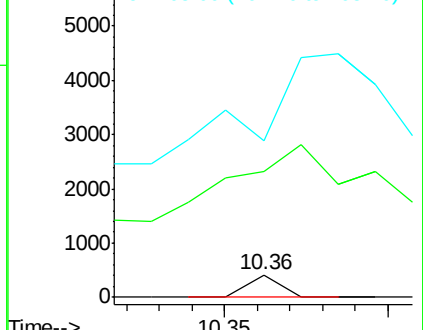
105 695.9 26.4 66.4#



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



#66

4-Bromophenyl-phenylether

Concen: 3.65 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.24 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

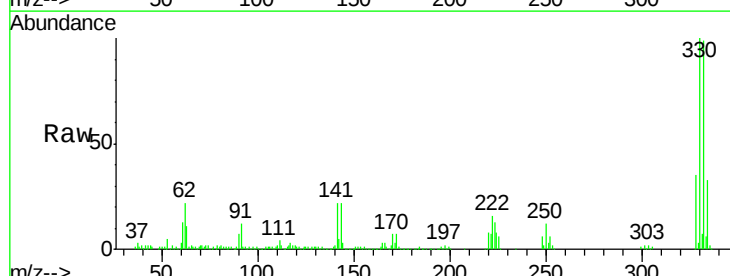
Tgt Ion:248 Resp: 28550

Ion Ratio Lower Upper

248 100

250 201.8 78.4 117.6#

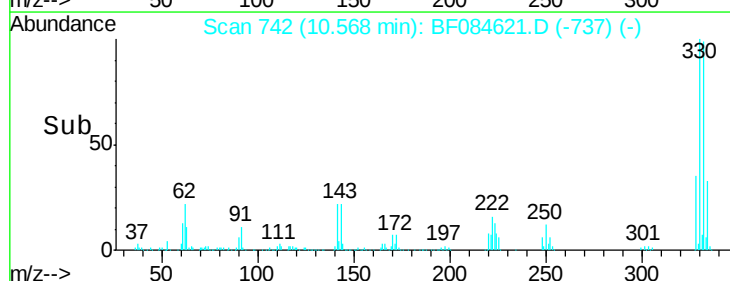
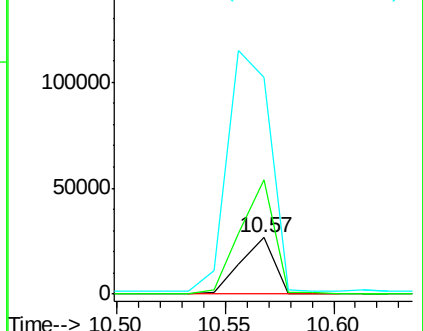
141 385.2 44.0 66.0#

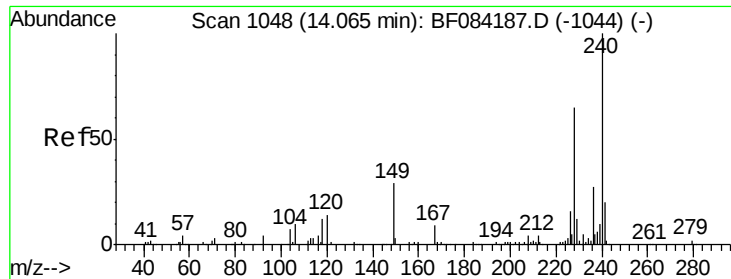


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF084621.D

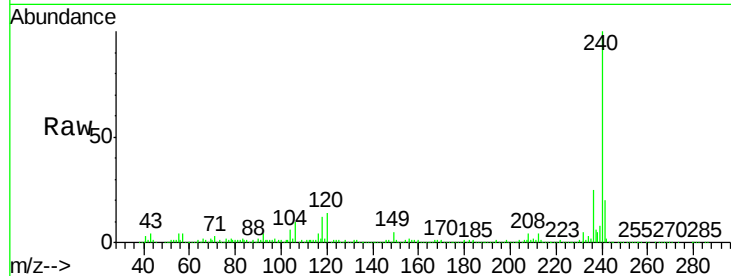
Acq: 27 Jan 2016 15:10

Instrument :

BNA_F

ClientSampleId :

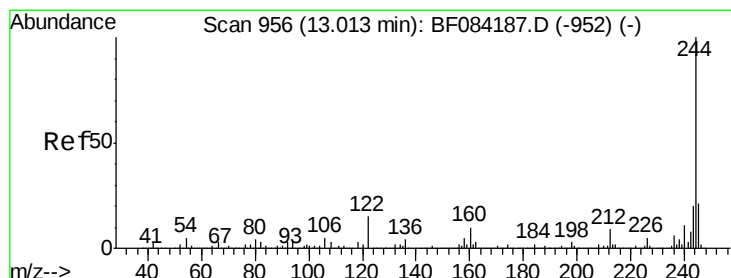
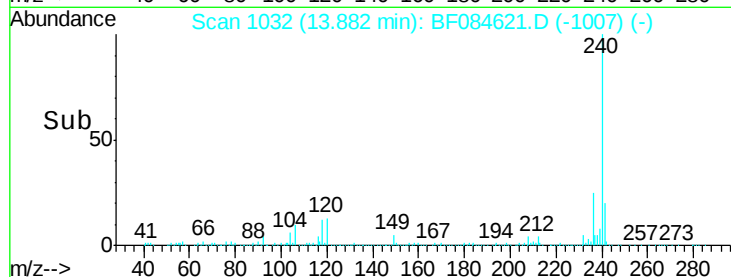
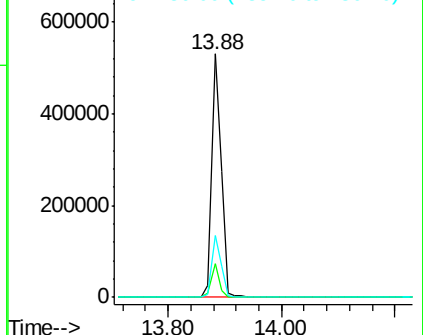
Tot Ion:240	Resp:	585479
Ion Ratio	Lower	Upper
240	100	
120	13.6	9.5 14.3
236	25.5	20.6 31.0



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: 78.72 ng

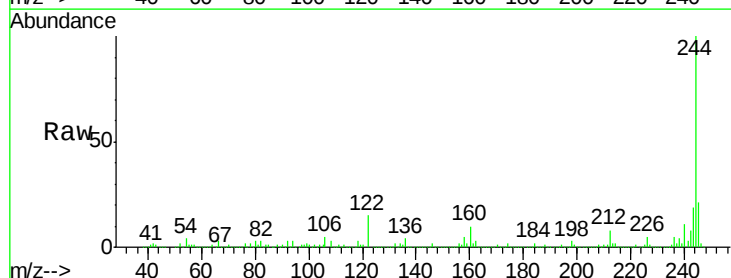
RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF084621.D

Acq: 27 Jan 2016 15:10

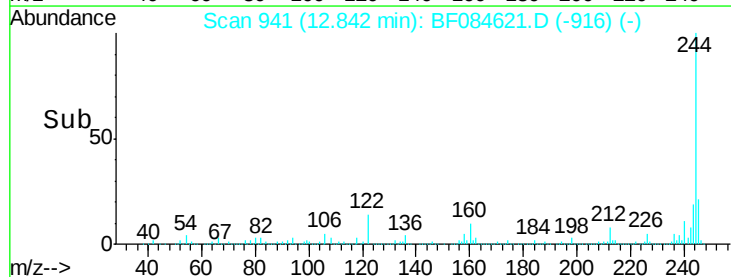
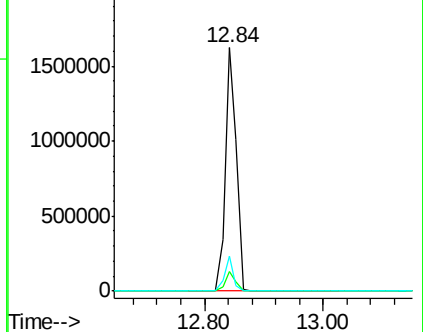
Tgt Ion:244	Resp:	2064679
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.7 8.5
122	14.5	7.4 11.0#

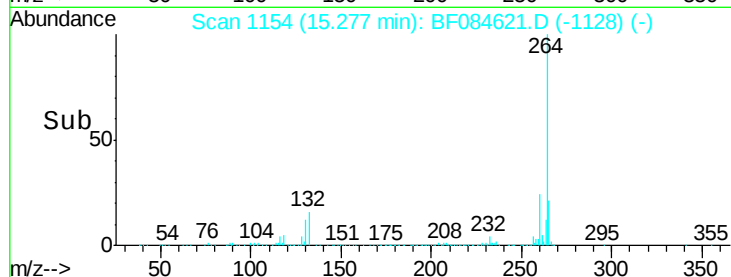
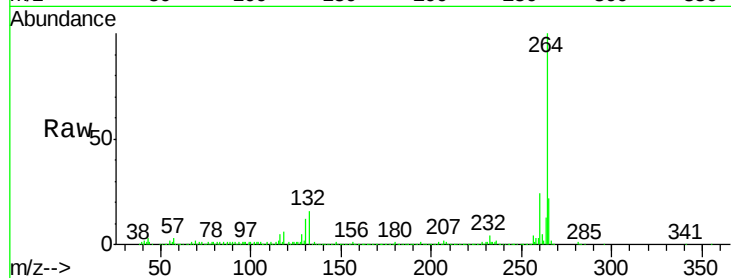
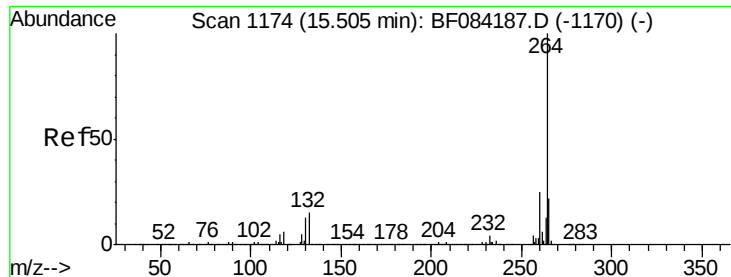


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF084621.D
Acq: 27 Jan 2016 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.6	17.8	26.6

