

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012116\
 Data File : BF084581.D
 Acq On : 21 Jan 2016 13:34
 Operator : SJ/UM
 Sample : H1176-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-23

Quant Time: Jan 22 00:08:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

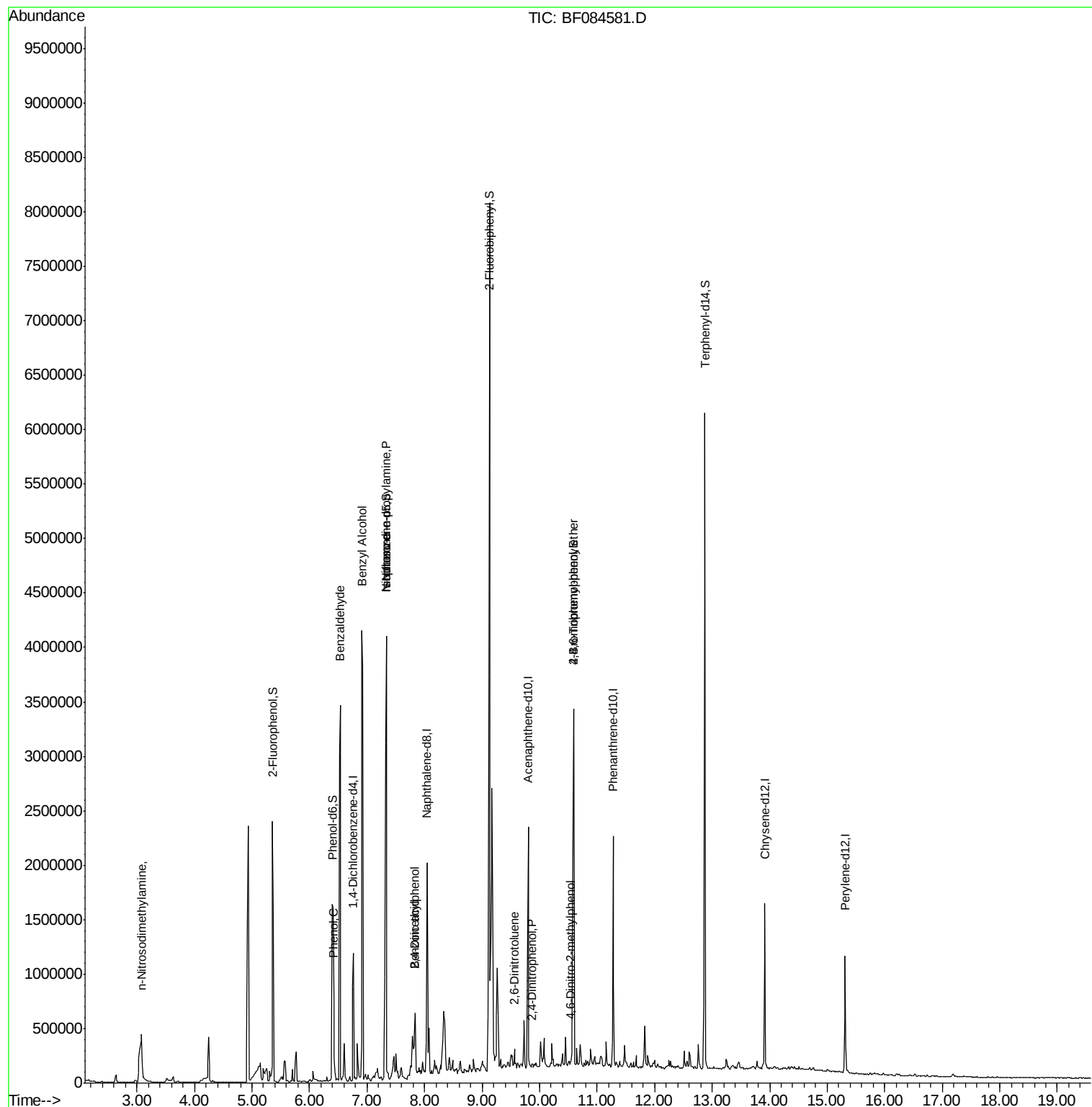
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	228292	20.00	ng	-0.07
21) Naphthalene-d8	8.04	136	968473	20.00	ng	-0.08
38) Acenaphthene-d10	9.80	164	491628	20.00	ng	-0.07
63) Phenanthrene-d10	11.28	188	822487	20.00	ng	-0.08
75) Chrysene-d12	13.92	240	657664	20.00	ng	-0.08
86) Perylene-d12	15.31	264	474598	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	813950	57.67	ng	-0.08
7) Phenol-d6	6.40	99	678368	38.27	ng	-0.08
23) Nitrobenzene-d5	7.33	82	1816473	104.39	ng	-0.07
41) 2,4,6-Tribromophenol	10.59	330	466369	93.96	ng	-0.08
44) 2-Fluorobiphenyl	9.13	172	2582765	93.01	ng	-0.07
78) Terphenyl-d14	12.88	244	2455567	83.34	ng	-0.07
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.08	42	29628	3.10	ng	# 1
9) Benzaldehyde	6.53	77	29955	2.60	ng	90
10) Phenol	6.42	94	229178	11.37	ng	80
15) Benzyl Alcohol	6.91	79	35311	2.37	ng	# 58
19) n-Nitroso-di-n-propylamine	7.33	70	257215	21.44	ng	# 75
25) Isophorone	7.33	82	1639882	49.27	ng	# 66
27) 2,4-Dimethylphenol	7.84	122	220280	13.55	ng	# 7
32) Benzoic acid	7.84	122	222224	24.73	ng	97
50) 2,6-Dinitrotoluene	9.56	165	18080	2.35	ng	# 43
53) 2,4-Dinitrophenol	9.86	184	213	3.62	ng	# 1
54) Dibenzofuran	10.00	168	2937	Below Cal	#	15
57) Fluorene	10.34	166	4215	Below Cal	#	79
64) 4,6-Dinitro-2-methylphenol	10.53	198	271	6.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	31469	3.55	ng	# 1
73) Di-n-butylphthalate	11.85	149	12477	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 : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.07 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

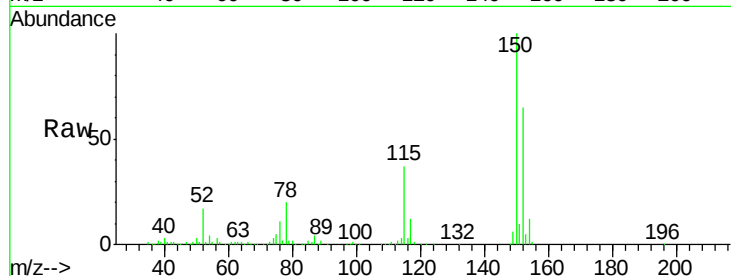
Tgt Ion:152 Resp: 228292

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

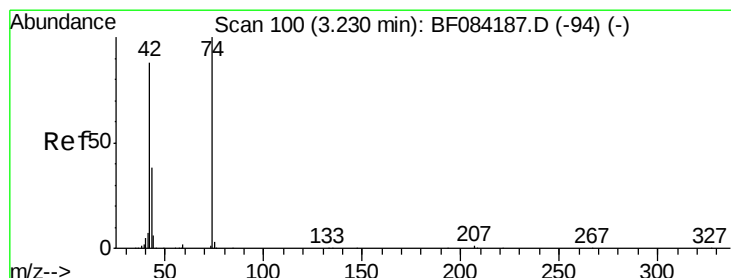
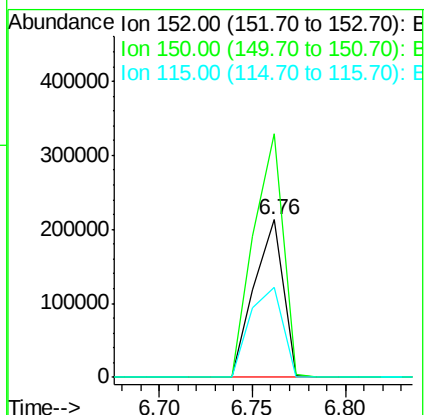
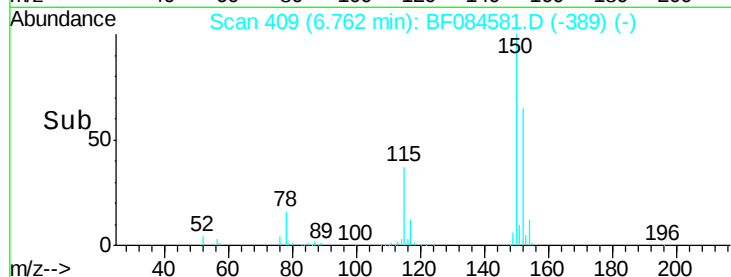
115 57.3 51.4 77.2



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



#4

n-Nitrosodimethylamine

Concen: 3.10 ng

RT: 3.08 min Scan# 87

Delta R.T. 0.01 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

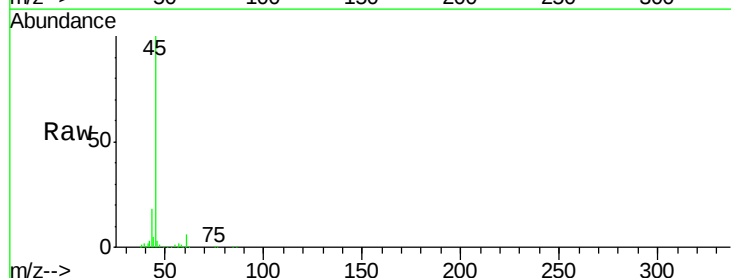
Tgt Ion: 42 Resp: 29628

Ion Ratio Lower Upper

42 100

74 0.0 115.7 173.5#

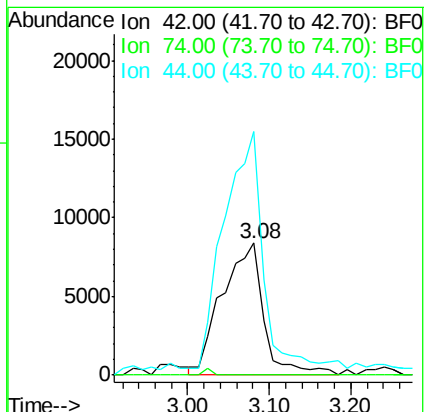
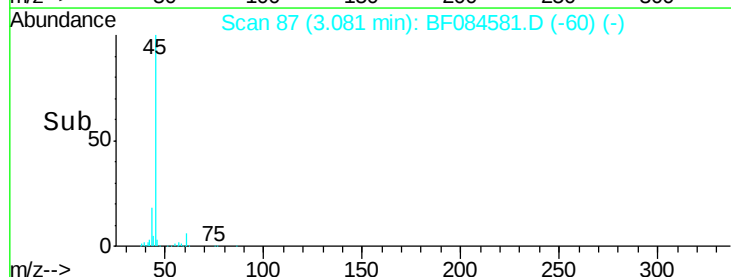
44 184.7 5.1 7.7#

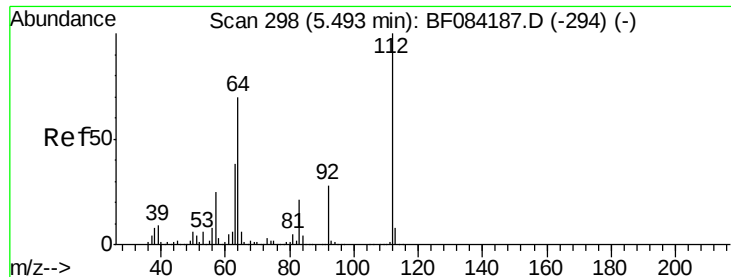


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 57.67 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

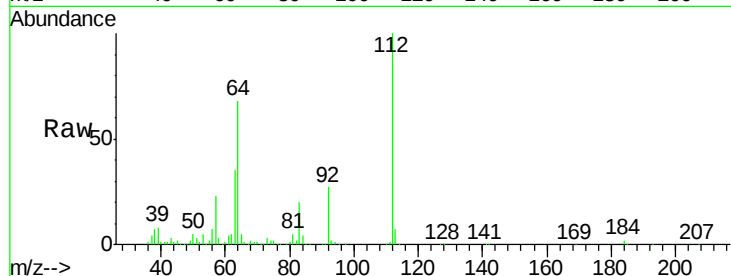
Tgt Ion: 112 Resp: 813950

Ion Ratio Lower Upper

112 100

64 68.5 36.6 55.0#

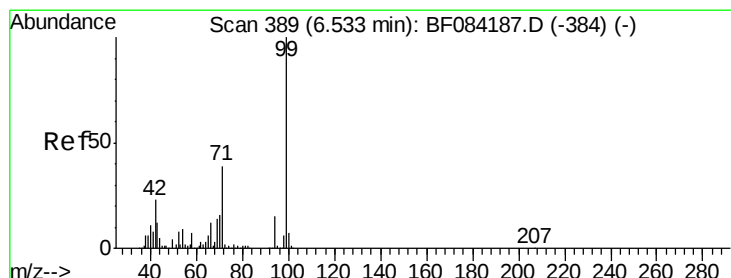
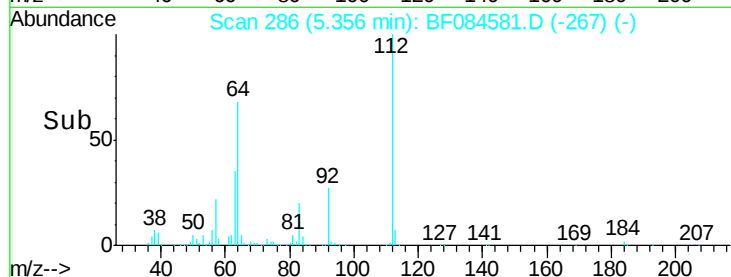
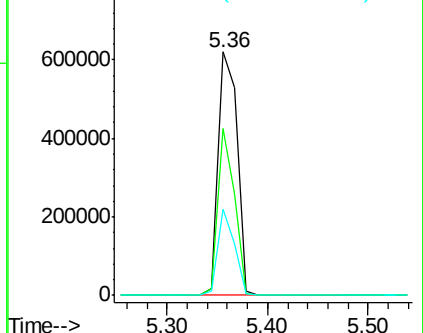
63 35.2 19.4 29.0#



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: 38.27 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

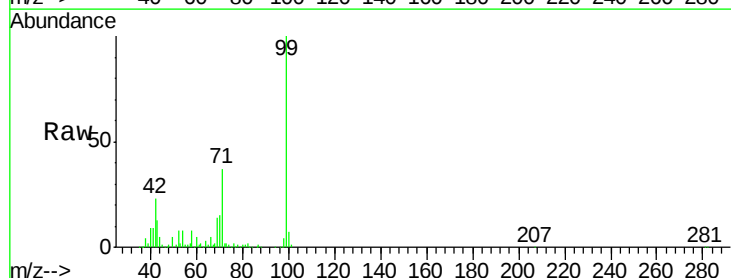
Tgt Ion: 99 Resp: 678368

Ion Ratio Lower Upper

99 100

42 23.1 12.8 19.2#

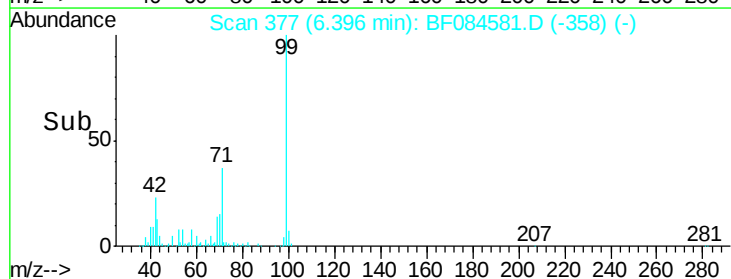
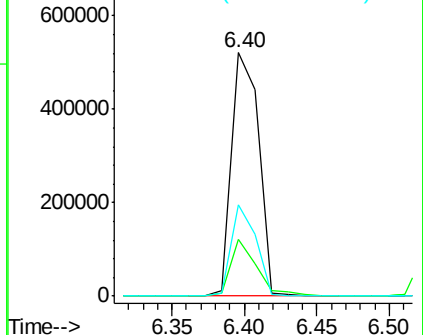
71 37.3 30.9 46.3

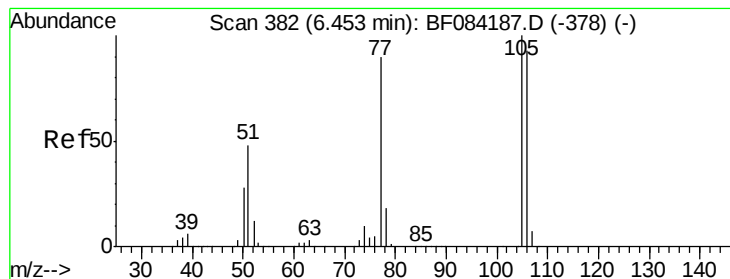


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.60 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.15 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

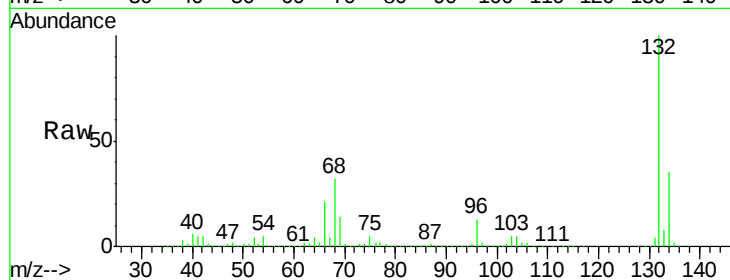
Tgt Ion: 77 Resp: 29955

Ion Ratio Lower Upper

77 100

105 96.1 83.0 123.0

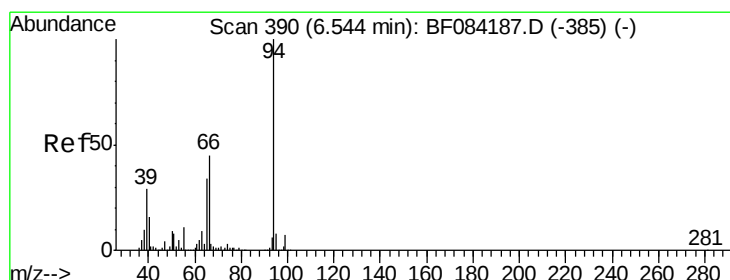
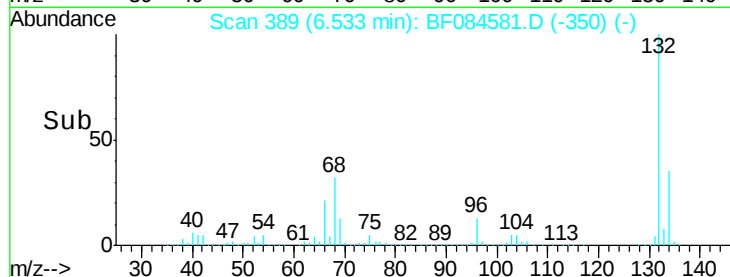
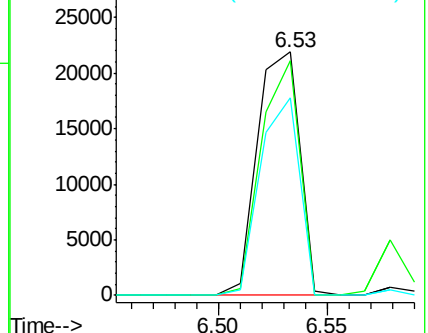
106 80.9 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 11.37 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

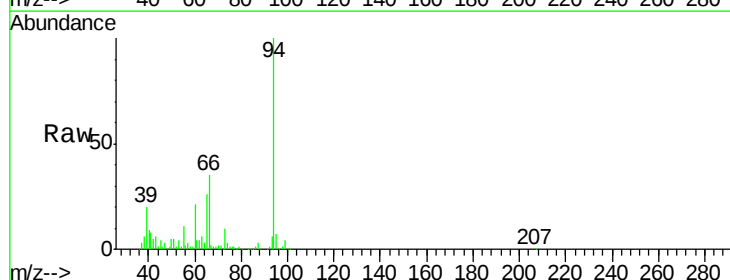
Tgt Ion: 94 Resp: 229178

Ion Ratio Lower Upper

94 100

65 26.3 12.9 52.9

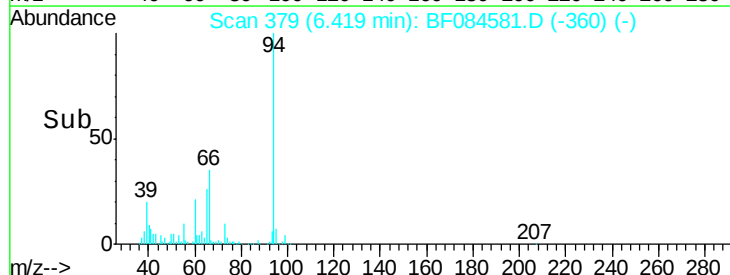
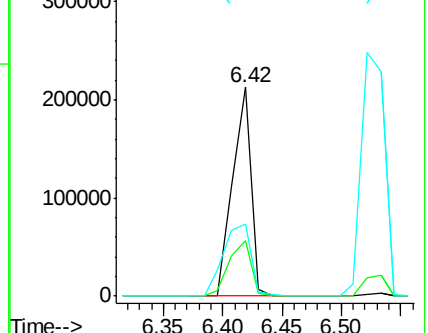
66 34.8 32.7 72.7

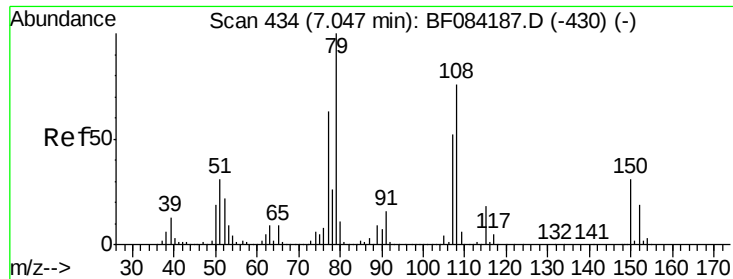


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.07 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

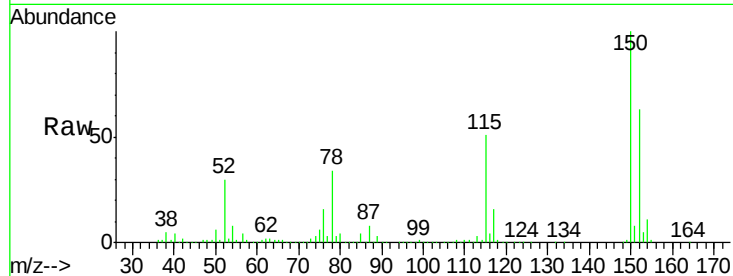
Tgt Ion: 79 Resp: 35311

Ion Ratio Lower Upper

79 100

108 40.0 69.0 103.4#

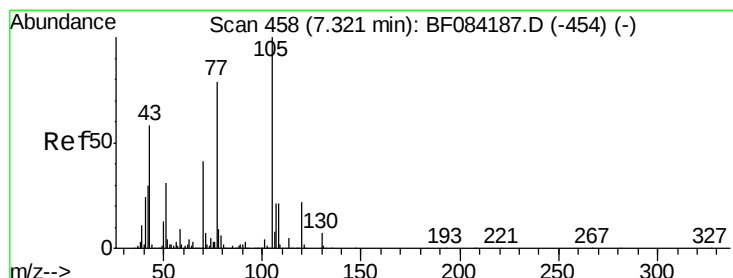
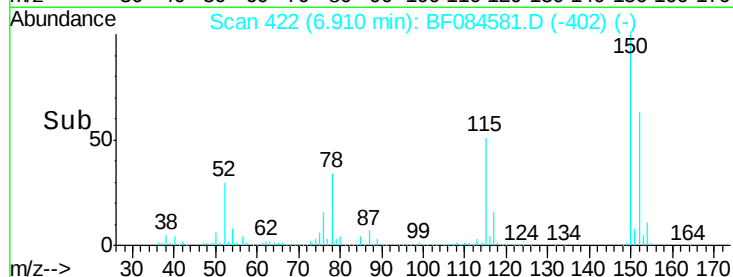
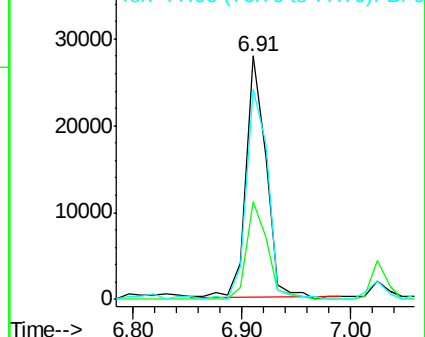
77 86.5 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 21.44 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Tgt Ion: 70 Resp: 257215

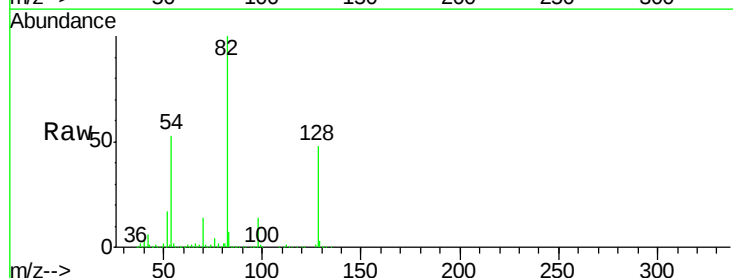
Ion Ratio Lower Upper

70 100

42 45.4 33.3 49.9

101 0.0 9.3 13.9#

130 2.6 23.4 35.0#

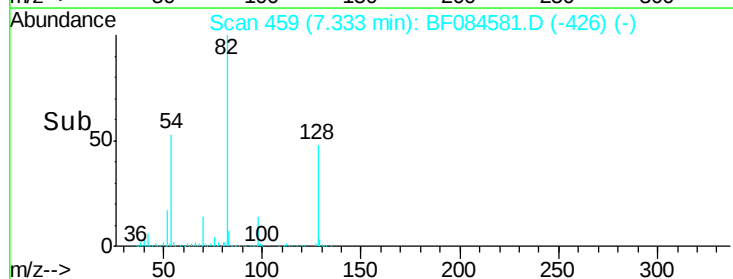
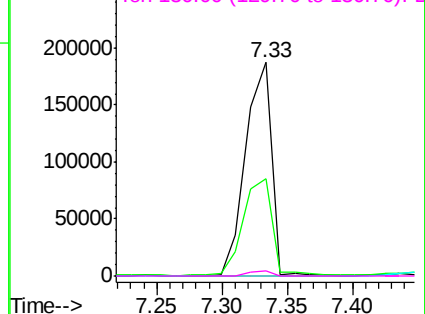


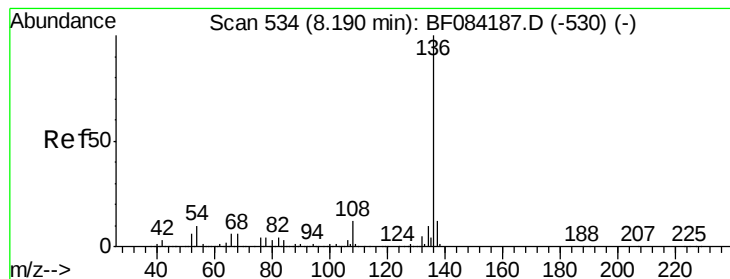
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

Tgt Ion:136 Resp: 968473

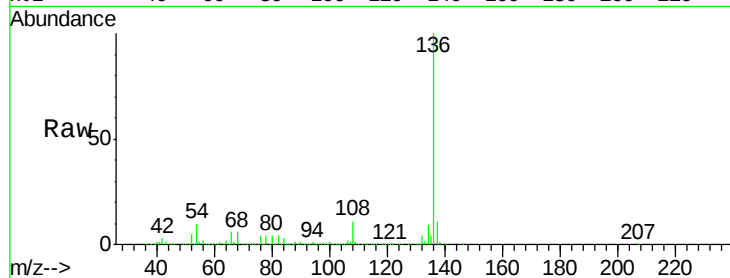
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 10.3 5.8 8.8#

68 5.8 4.2 6.2

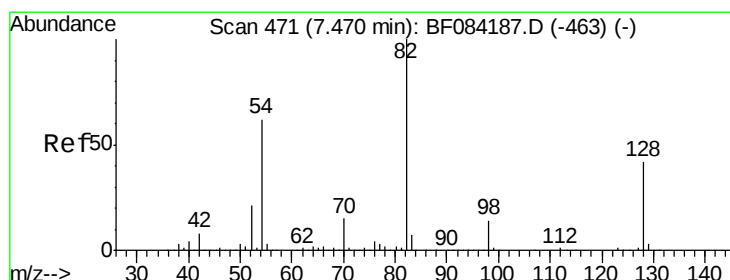
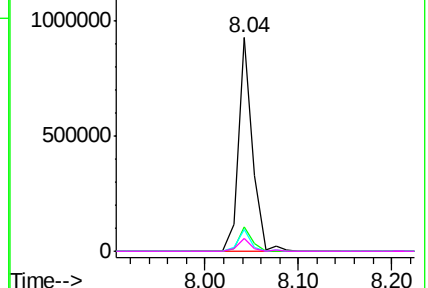
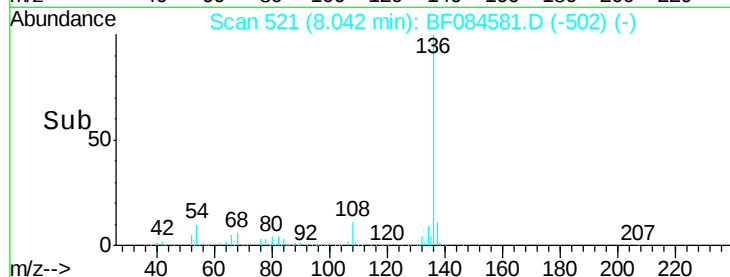


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.39 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.07 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

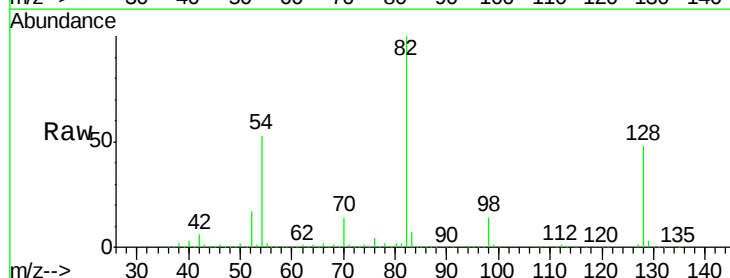
Tgt Ion: 82 Resp: 1816473

Ion Ratio Lower Upper

82 100

128 48.3 34.6 51.8

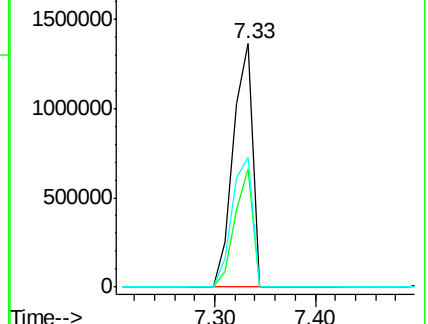
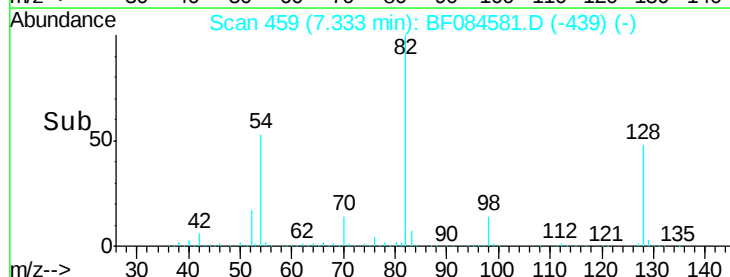
54 53.2 38.4 57.6

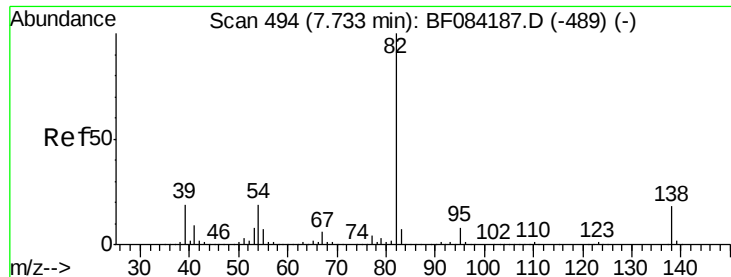


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.27 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.33 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

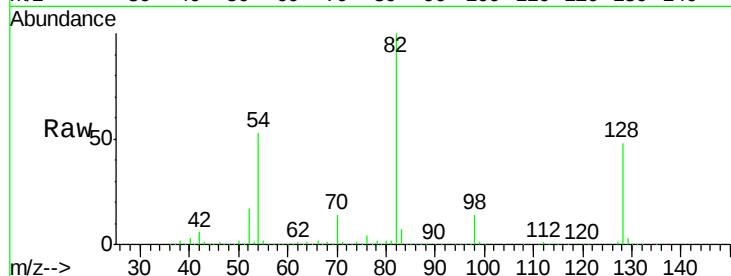
Tgt Ion: 82 Resp: 1639882

Ion Ratio Lower Upper

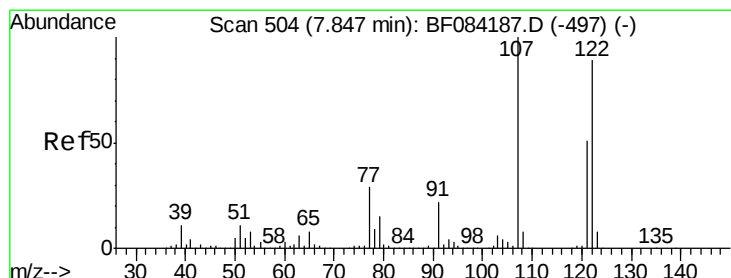
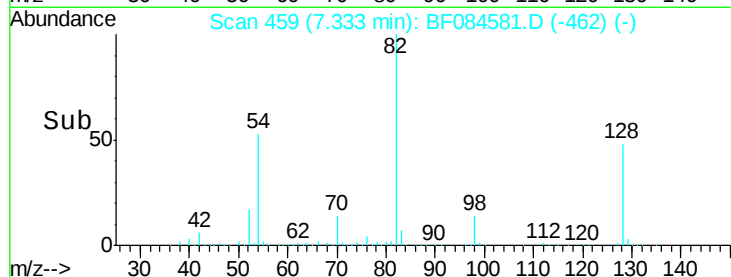
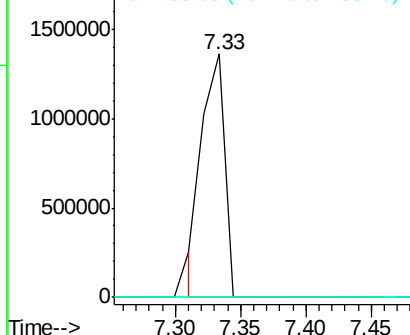
82 100

95 0.0 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): E



#27

2,4-Dimethylphenol

Concen: 13.55 ng

RT: 7.84 min Scan# 503

Delta R.T. 0.06 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

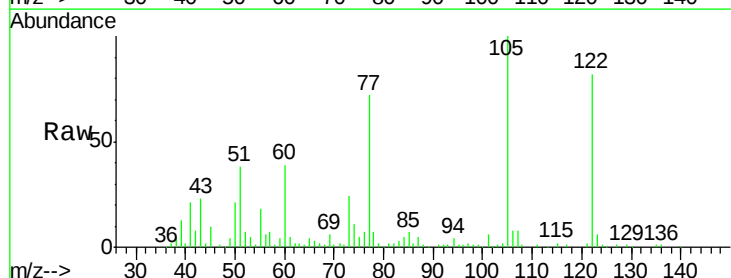
Tgt Ion:122 Resp: 220280

Ion Ratio Lower Upper

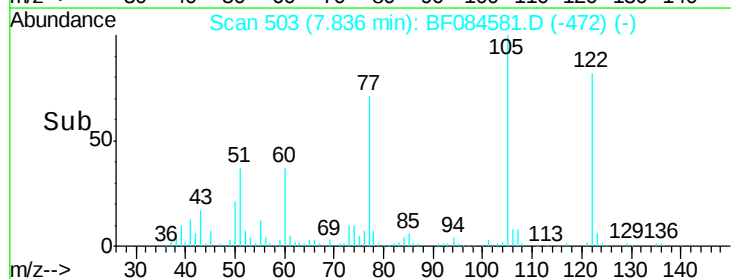
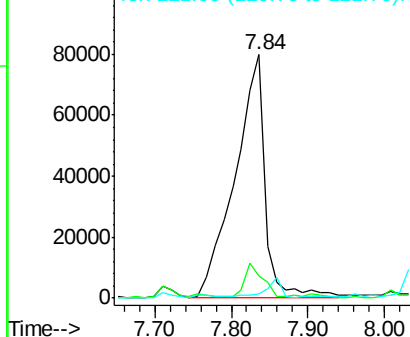
122 100

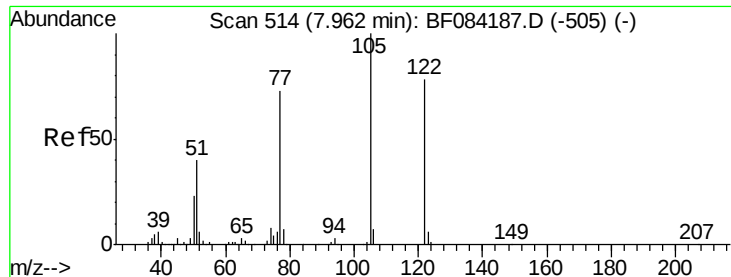
107 9.4 99.1 148.7#

121 1.9 47.9 71.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

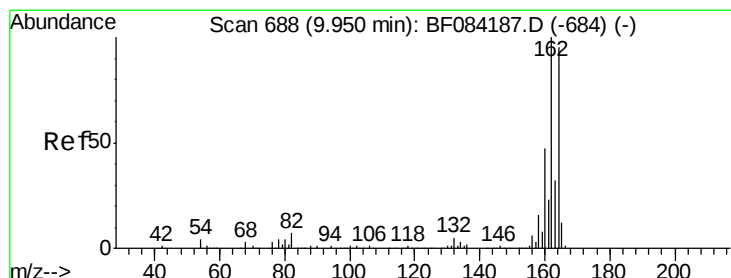
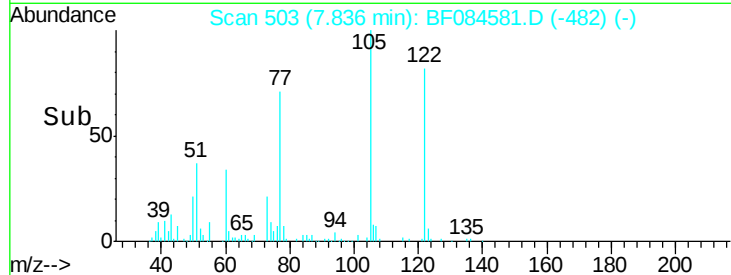
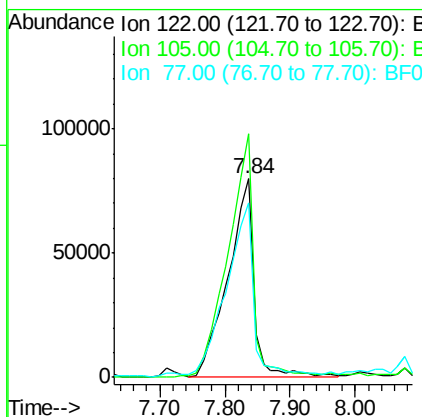
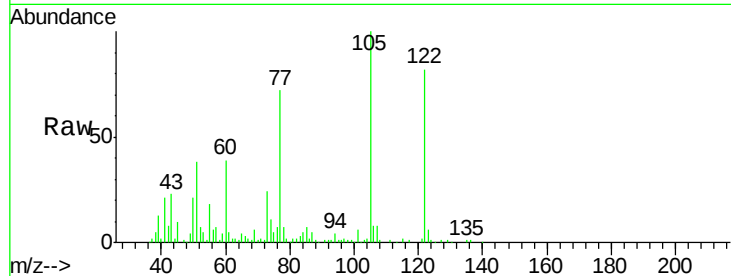




#32
Benzoic acid
Concen: 24.73 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.06 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

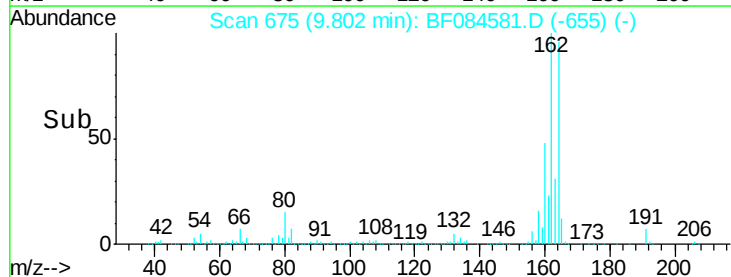
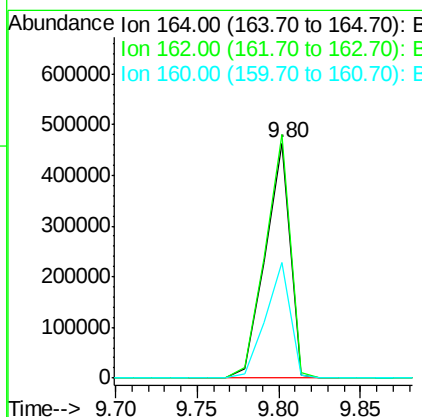
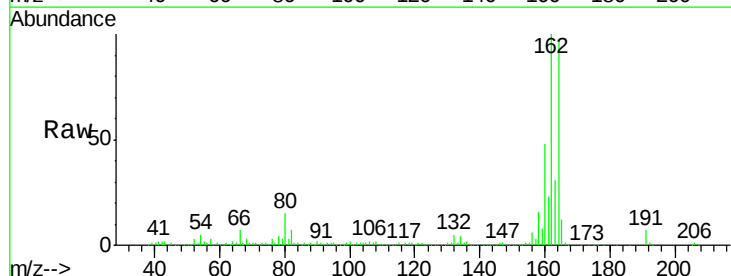
Instrument :
BNA_F
ClientSampleId :
TEC-23

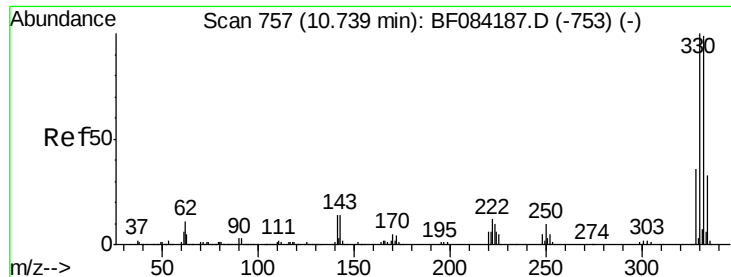
Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.6	100.3	140.3
77	88.2	63.5	103.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.07 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.1	127.7
160	49.2	37.5	56.3

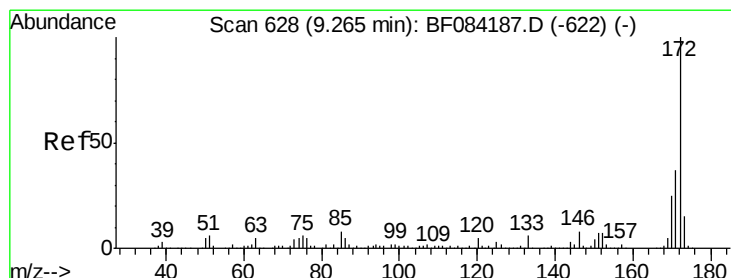
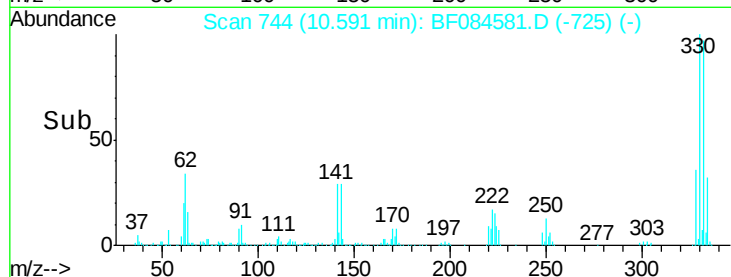
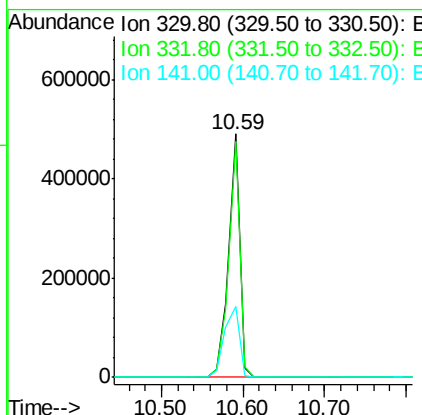
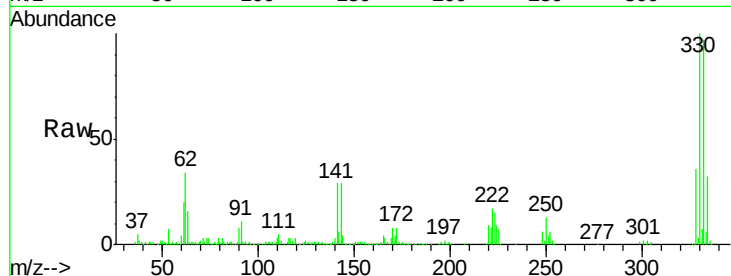




#41
 2,4,6-Tribromophenol
 Concen: 93.96 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.08 min
 Lab File: BF084581.D
 Acq: 21 Jan 2016 13:34

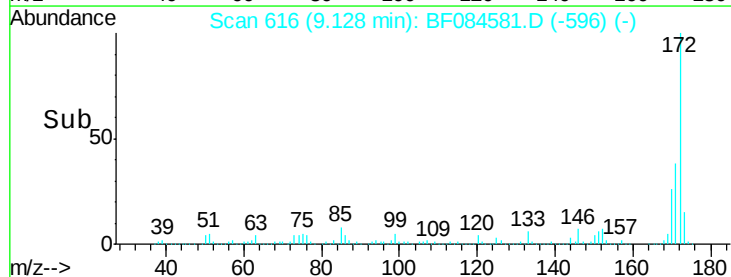
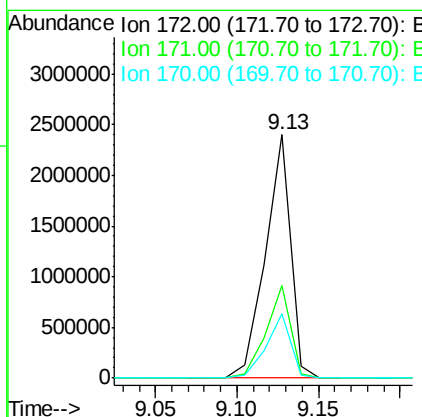
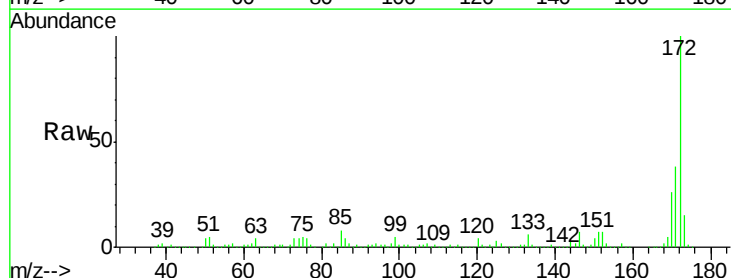
Instrument :
 BNA_F
 ClientSampleId :
 TEC-23

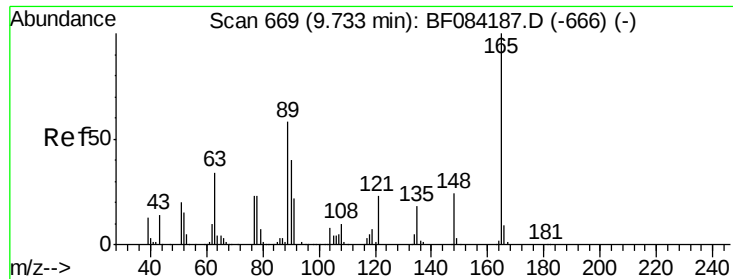
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	38.3	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 93.01 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.07 min
 Lab File: BF084581.D
 Acq: 21 Jan 2016 13:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	28.9	43.3
170	26.4	18.6	27.8

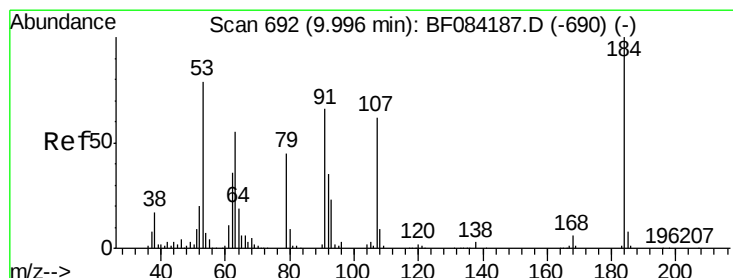
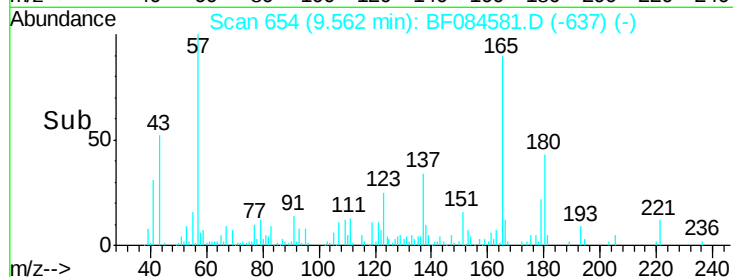
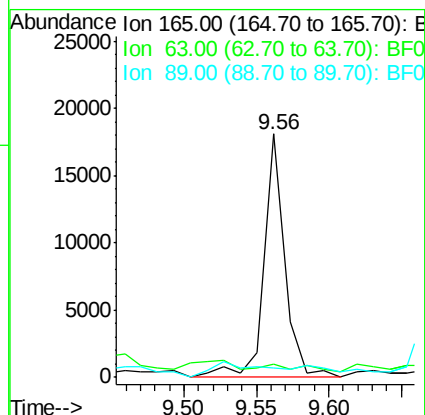
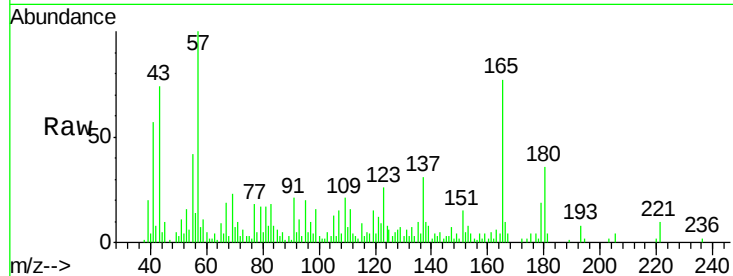




#50
2,6-Dinitrotoluene
Concen: 2.35 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.10 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

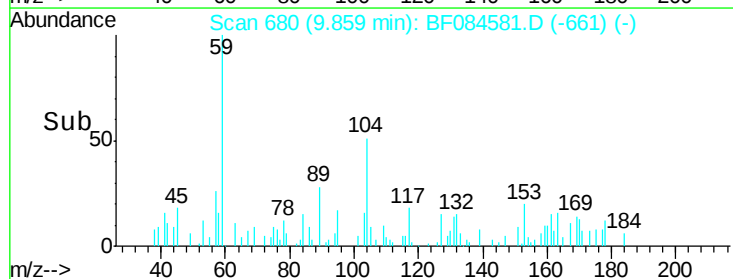
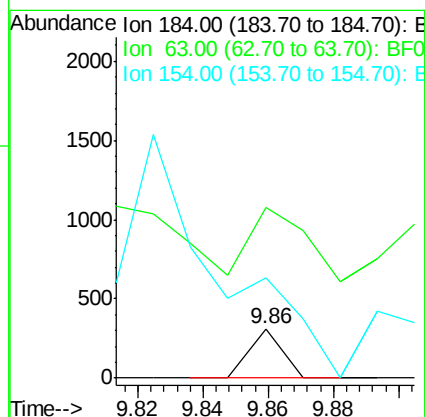
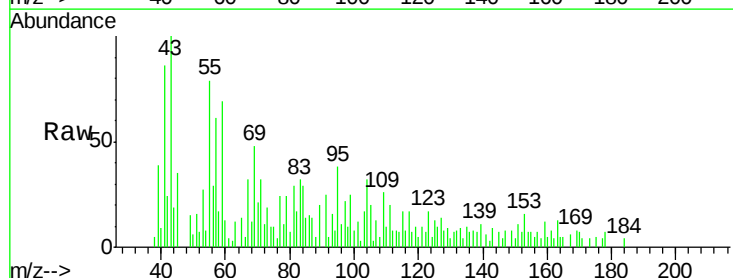
Instrument :
BNA_F
ClientSampleId :
TEC-23

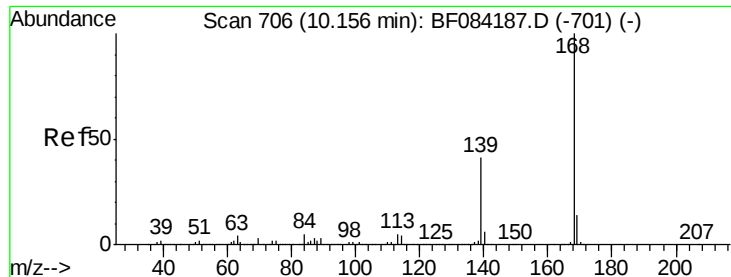
Tgt Ion:165 Resp: 18080
Ion Ratio Lower Upper
165 100
63 5.4 28.8 43.2#
89 4.0 35.1 52.7#



#53
2,4-Dinitrophenol
Concen: 3.62 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.08 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Tgt Ion:184 Resp: 213
Ion Ratio Lower Upper
184 100
63 348.7 43.1 64.7#
154 203.9 60.5 90.7#





#54

Dibenzenofuran

Concen: Below Cal

RT: 10.00 min Scan# 692

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

TEC-23

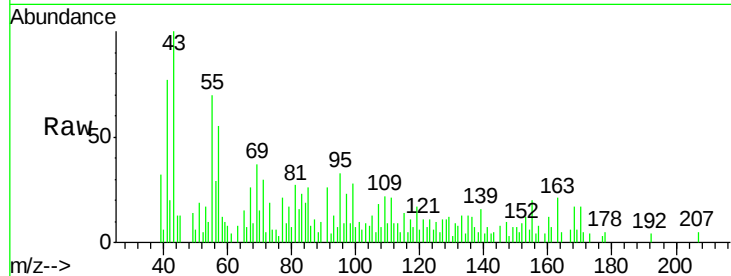
Tgt Ion:168 Resp: 2937

Ion Ratio Lower Upper

168 100

139 95.5 30.5 45.7#

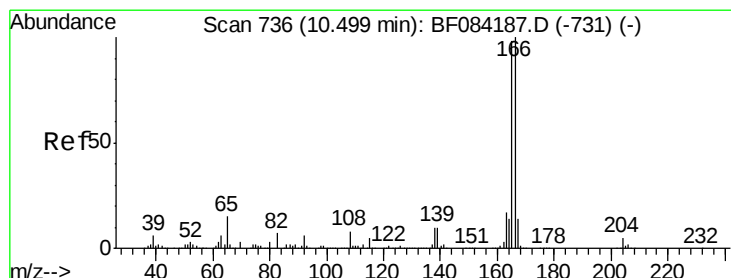
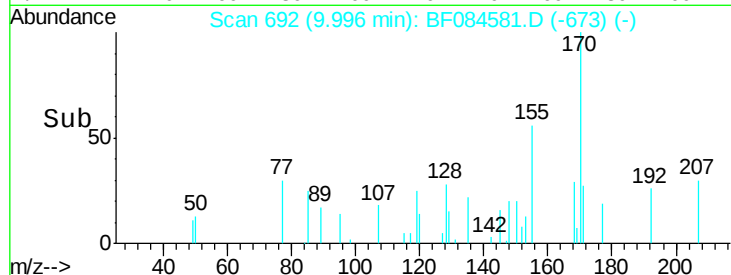
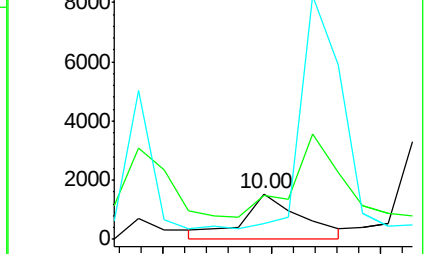
169 35.6 10.4 15.6#



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



#57

Fluorene

Concen: Below Cal

RT: 10.34 min Scan# 722

Delta R.T. -0.08 min

Lab File: BF084581.D

Acq: 21 Jan 2016 13:34

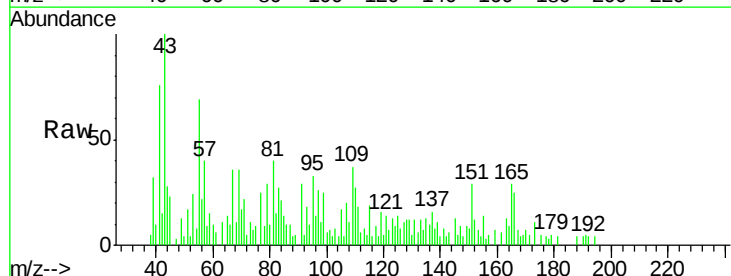
Tgt Ion:166 Resp: 4215

Ion Ratio Lower Upper

166 100

165 117.2 79.1 118.7

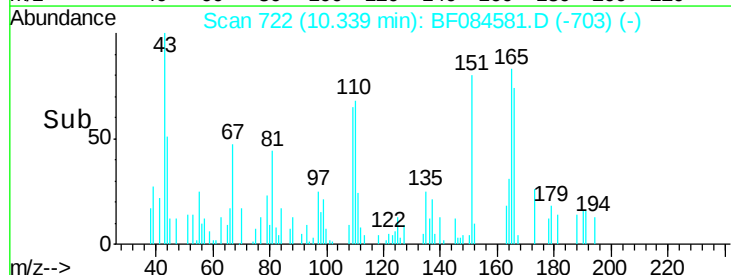
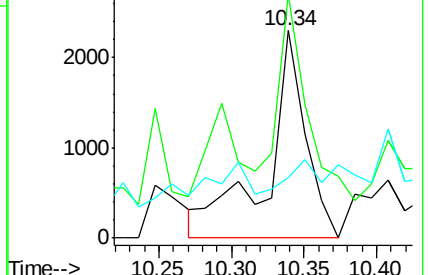
167 29.1 10.4 15.6#

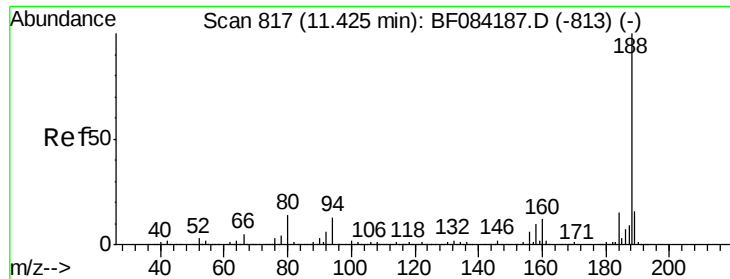


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

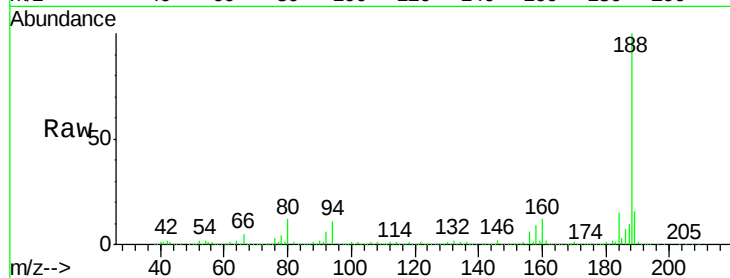




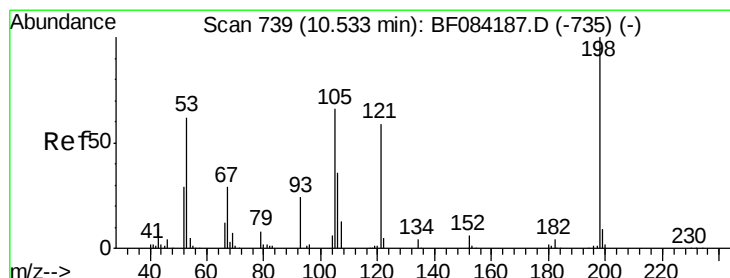
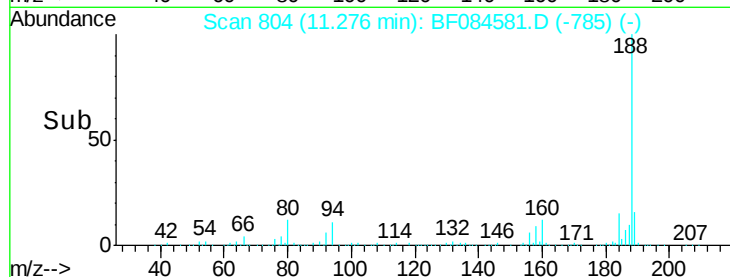
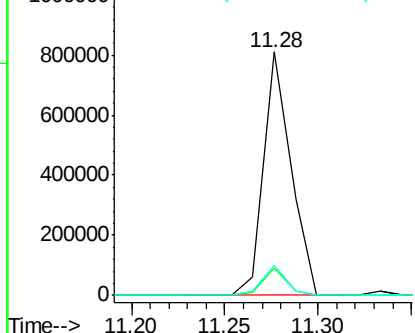
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.08 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Instrument :
BNA_F
ClientSampleId :
TEC-23

Tgt Ion:188 Resp: 822487
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.4
80 12.1 9.6 14.4

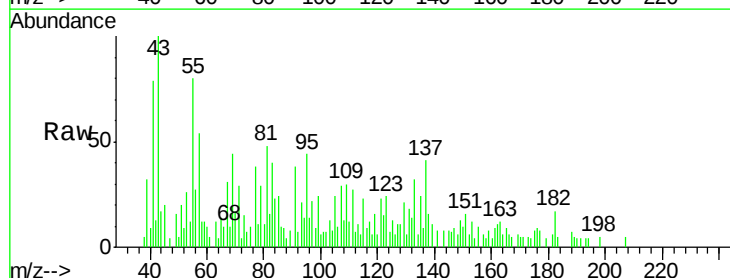


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

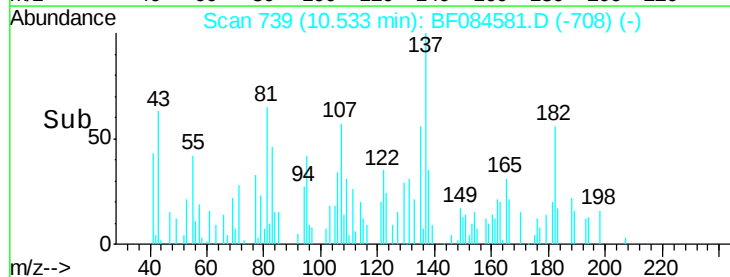
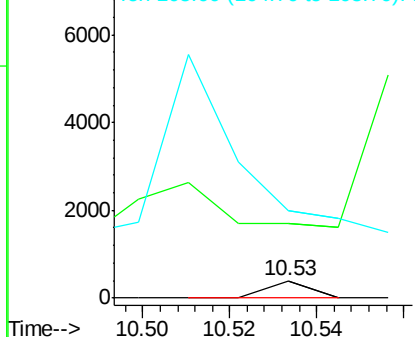


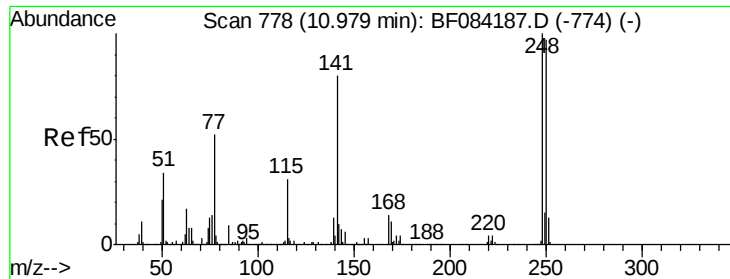
#64
4,6-Dinitro-2-methylphenol
Concen: 6.47 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.06 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Tgt Ion:198 Resp: 271
Ion Ratio Lower Upper
198 100
51 427.3 18.9 58.9#
105 507.8 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

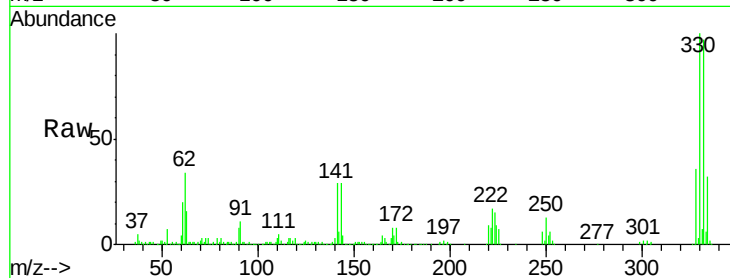




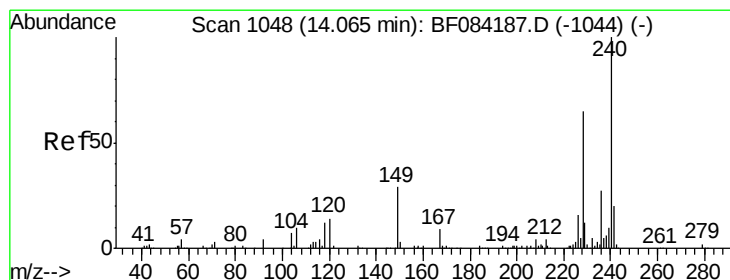
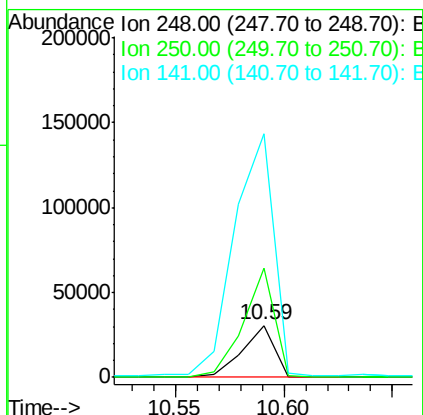
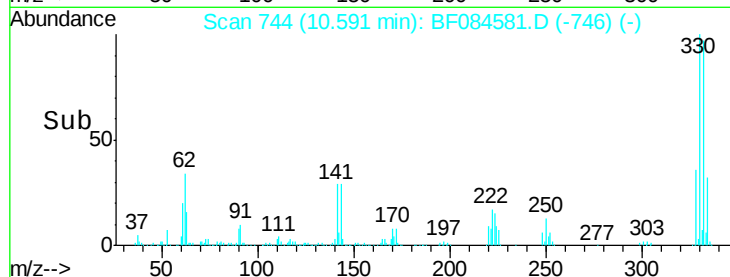
#66
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.32 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Instrument :
BNA_F
ClientSampleId :
TEC-23

Tgt Ion:248 Resp: 31469
Ion Ratio Lower Upper
248 100
250 208.4 78.4 117.6#
141 466.4 44.0 66.0#

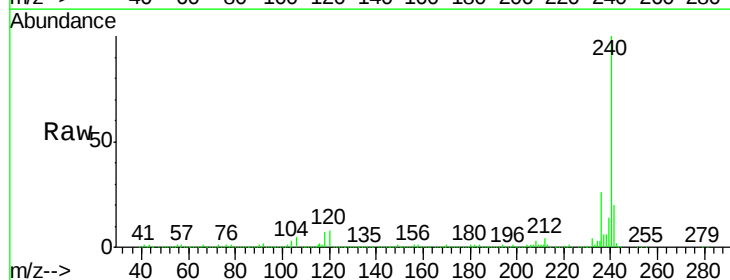


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

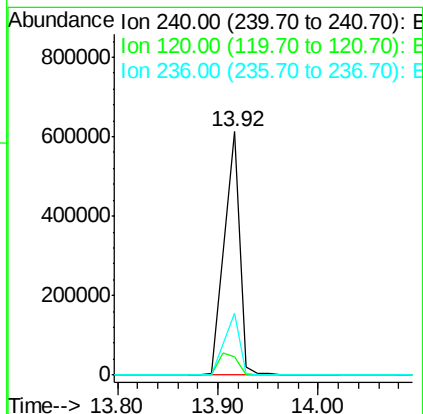
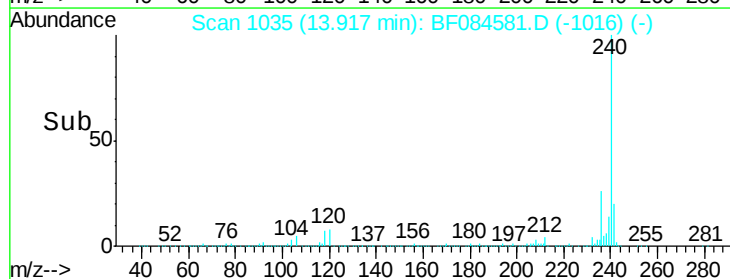


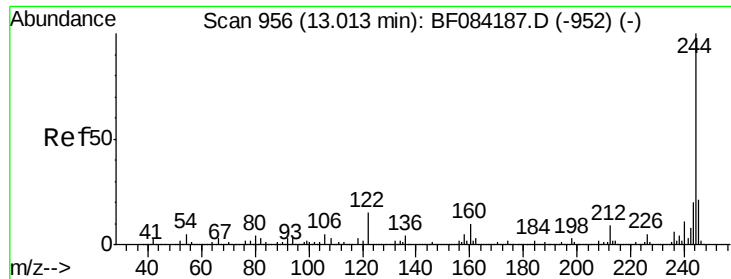
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.08 min
Lab File: BF084581.D
Acq: 21 Jan 2016 13:34

Tgt Ion:240 Resp: 657664
Ion Ratio Lower Upper
240 100
120 7.8 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

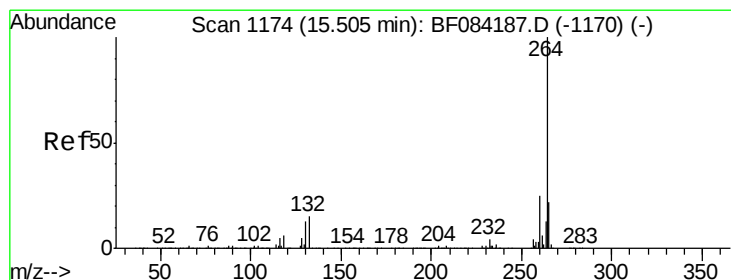
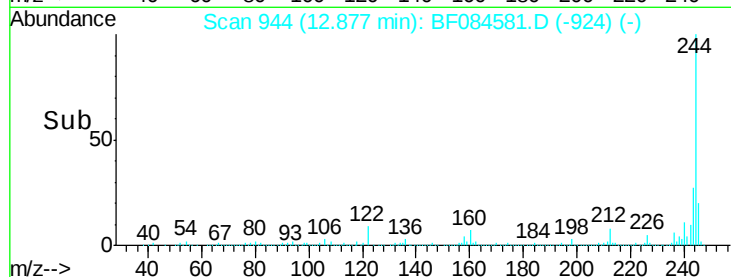
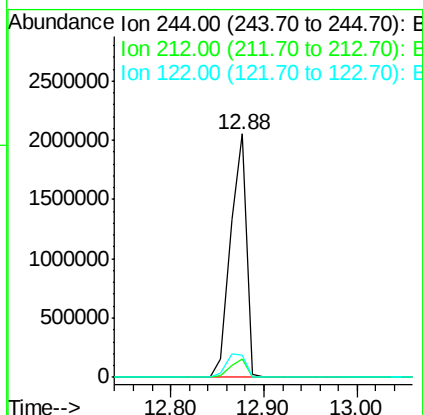
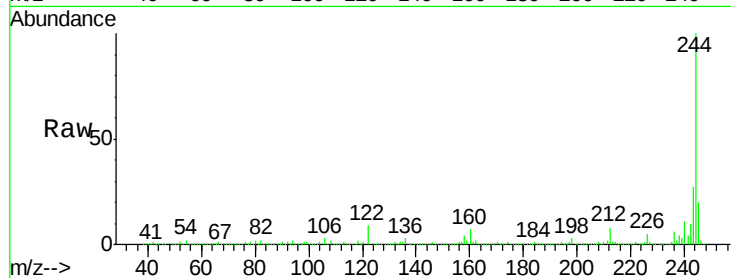




#78
 Terphenyl-d14
 Concen: 83.34 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.07 min
 Lab File: BF084581.D
 Acq: 21 Jan 2016 13:34

Instrument :
 BNA_F
 ClientSampled :
 TEC-23

Tgt Ion:244 Resp: 2455567
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 8.9 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.10 min
 Lab File: BF084581.D
 Acq: 21 Jan 2016 13:34

Tgt Ion:264 Resp: 474598
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 22.2 17.8 26.6

