

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082323.D
 Acq On : 16 Oct 2015 13:54
 Operator : UM/IZ
 Sample : G4017-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Quant Time: Oct 17 01:11:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

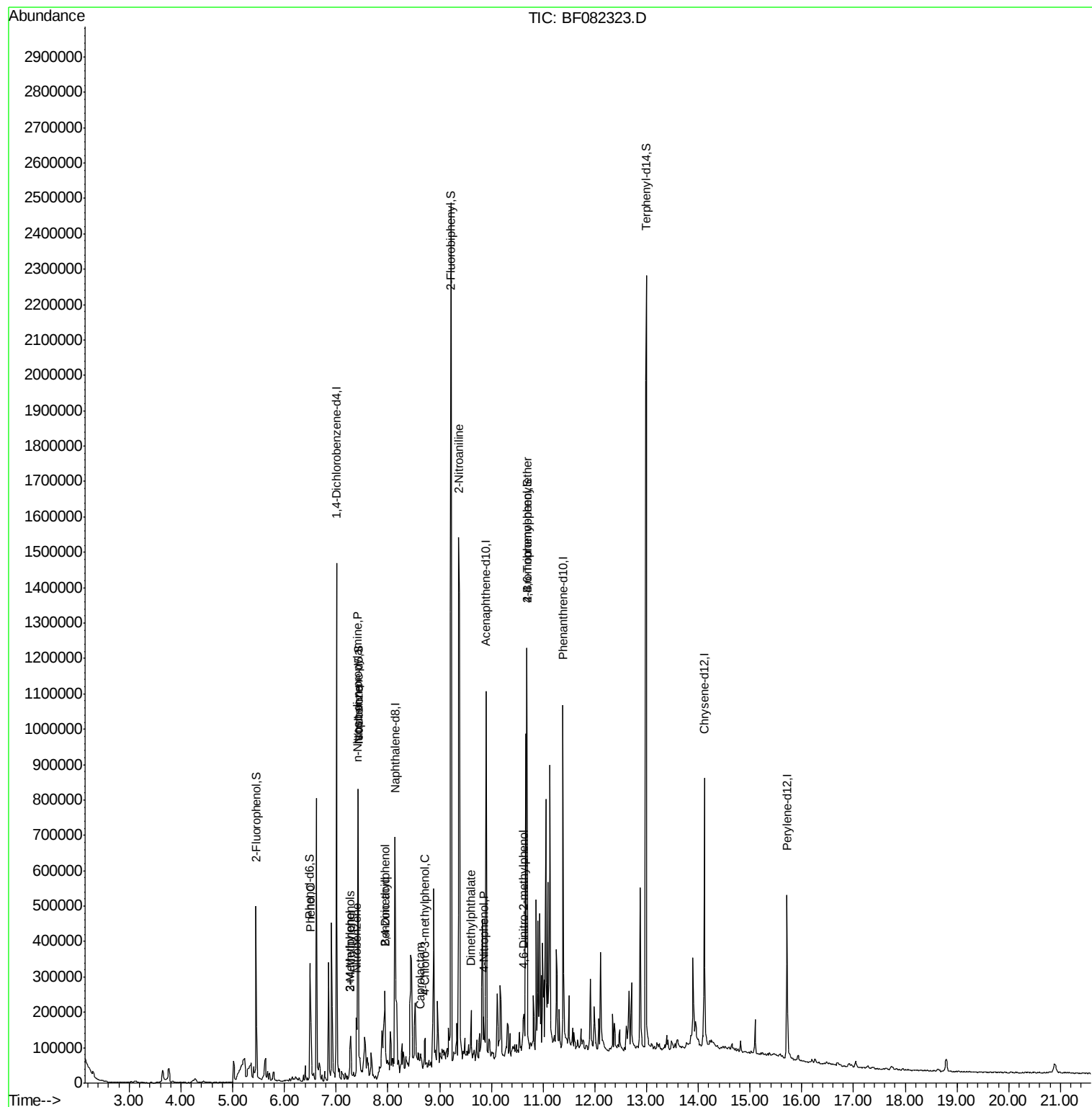
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	234617	20.00	ng	0.17
21) Naphthalene-d8	8.14	136	339897	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	186035	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	348277	20.00	ng	0.01
75) Chrysene-d12	14.12	240	309887	20.00	ng	0.05
86) Perylene-d12	15.72	264	234548	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	142263	12.24	ng	0.02
7) Phenol-d6	6.49	99	118205	7.81	ng	0.01
23) Nitrobenzene-d5	7.43	82	407263	80.46	ng	0.01
41) 2,4,6-Tribromophenol	10.69	330	135134	77.46	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	932808	83.15	ng	0.01
78) Terphenyl-d14	13.00	244	1041865	89.09	ng	0.03
Target Compounds						Qvalue
10) Phenol	6.50	94	96004	5.50	ng	99
17) 2-Methylphenol	7.28	107	37368	3.33	ng	# 77
19) n-Nitroso-di-n-propylamine	7.42	70	55500	5.22	ng	# 82
20) 3+4-Methylphenols	7.28	107	37368	2.79	ng	# 59
24) Nitrobenzene	7.39	77	11286	2.06	ng	# 47
25) Isophorone	7.43	82	384379	37.63	ng	# 66
27) 2,4-Dimethylphenol	7.94	122	120726	27.39	ng	# 7
32) Benzoic acid	7.94	122	121989	41.24	ng	98
35) Caprolactam	8.63	113	5280	4.13	ng	# 1
36) 4-Chloro-3-methylphenol	8.71	107	11480	2.66	ng	# 26
47) 2-Nitroaniline	9.37	65	47014	15.33	ng	# 23
49) Dimethylphthalate	9.61	163	54025	4.12	ng	99
55) 4-Nitrophenol	9.85	139	4942	2.35	ng	87
64) 4,6-Dinitro-2-methylphenol	10.63	198	16127	8.25	ng	# 57
66) 4-Bromophenyl-phenylether	10.69	248	9312	2.67	ng	# 1

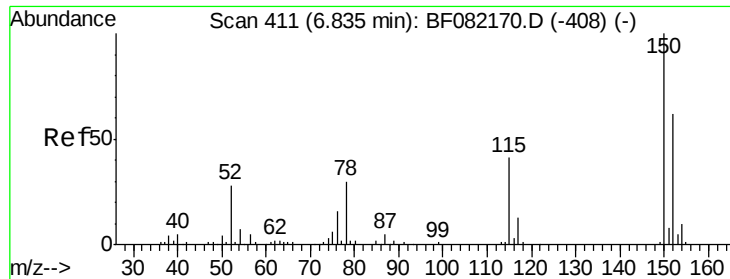
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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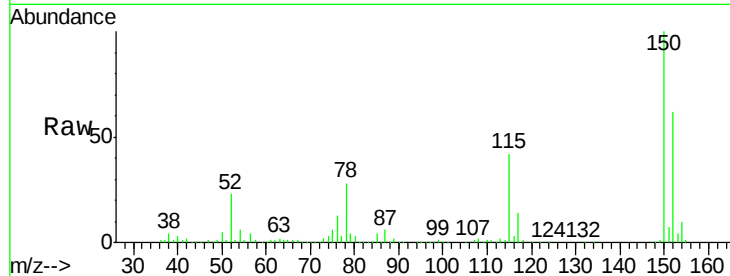


#1

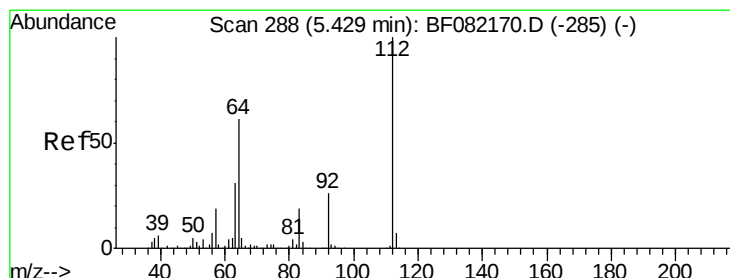
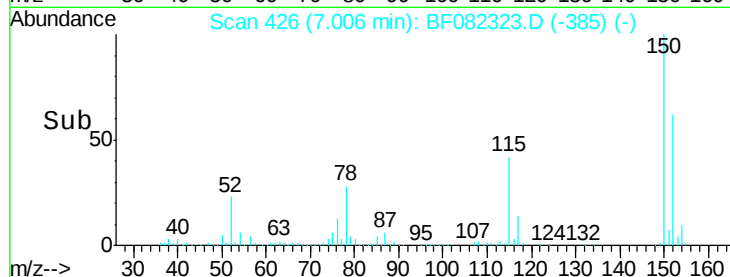
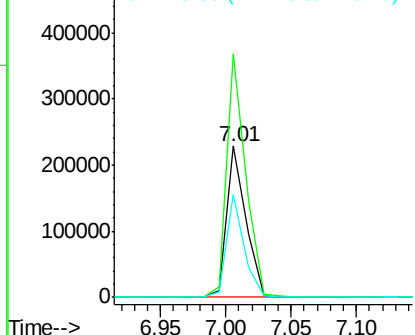
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 426
Delta R.T. 0.17 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Instrument :
BNA_F
ClientSampled :
TEC-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	129.0	193.4
115	68.2	52.1	78.1



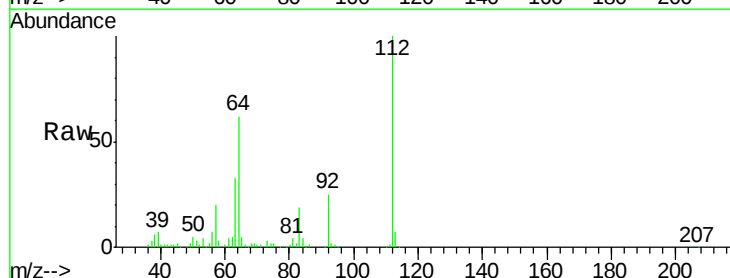
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



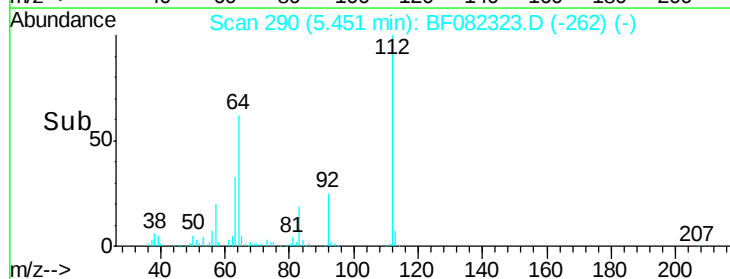
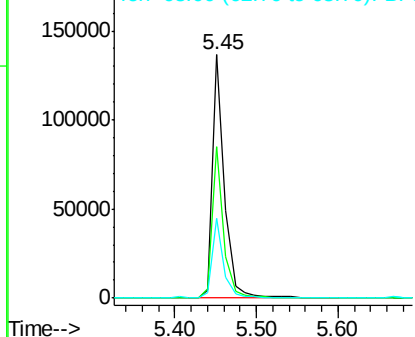
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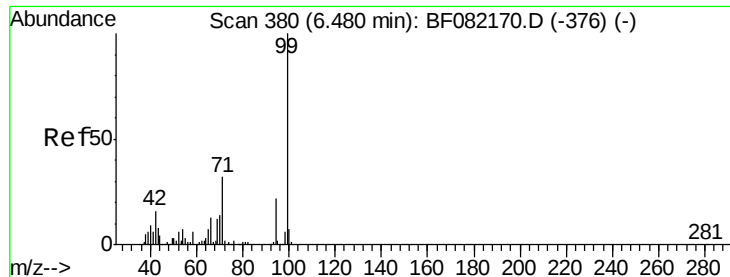
2-Fluorophenol
Concen: 12.24 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	48.6	73.0
63	32.8	25.1	37.7



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: 7.81 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

ClientSampleId :

TEC-10

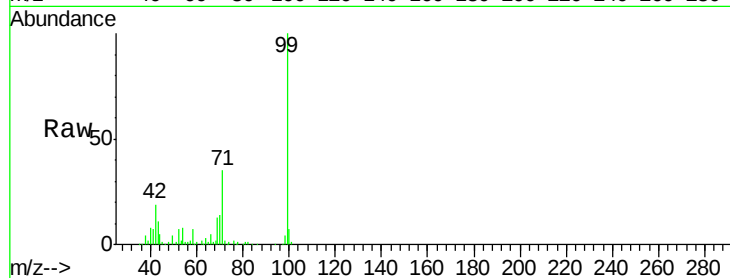
Tot Ion: 99 Resp: 118205

Ion Ratio Lower Upper

99 100

42 18.7 13.2 19.8

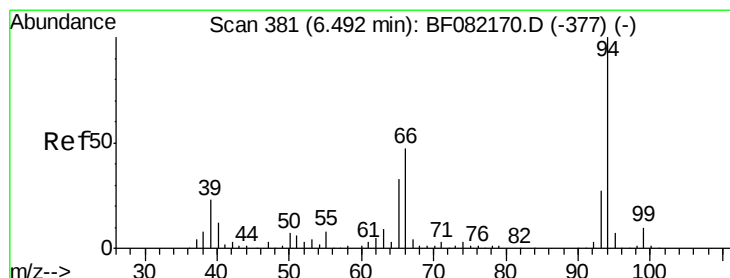
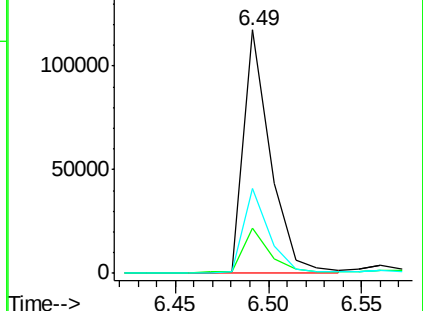
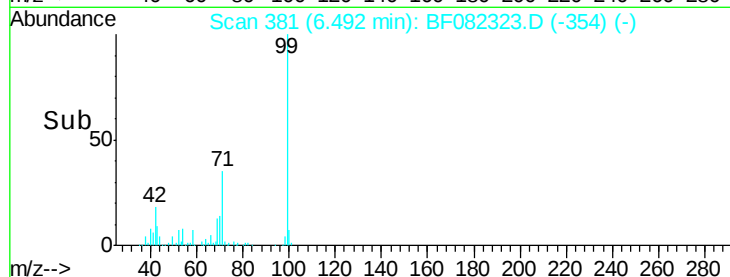
71 34.9 25.6 38.4



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



#10

Phenol

Concen: 5.50 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

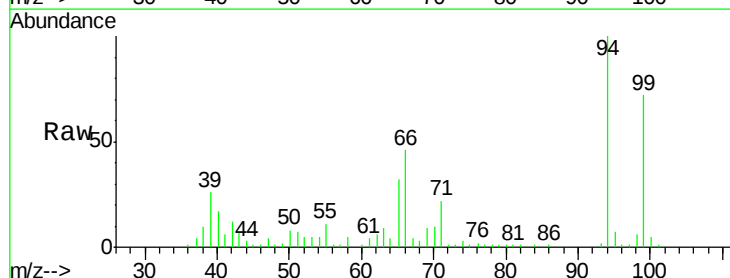
Tgt Ion: 94 Resp: 96004

Ion Ratio Lower Upper

94 100

65 32.3 12.6 52.6

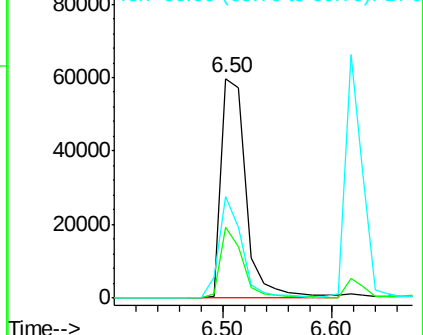
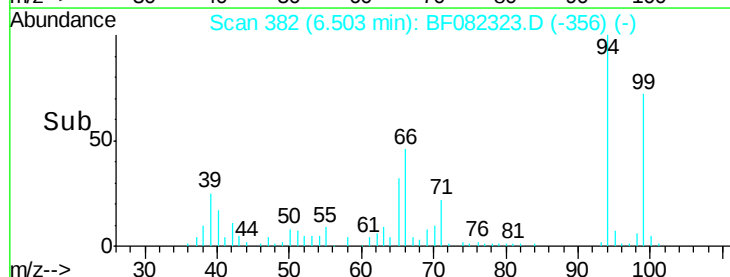
66 45.9 27.3 67.3

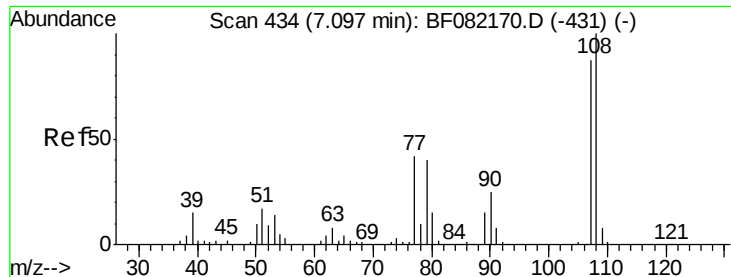


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

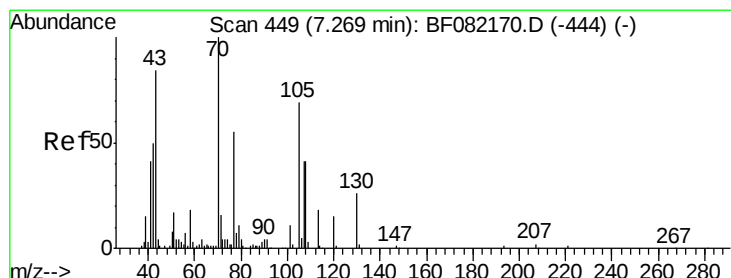
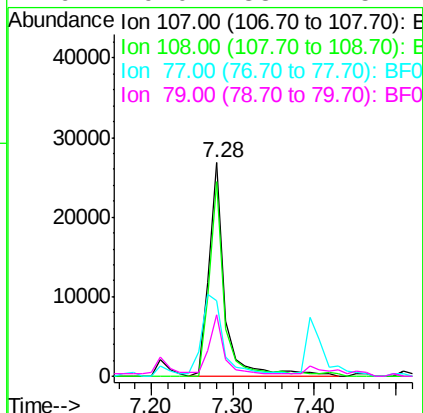
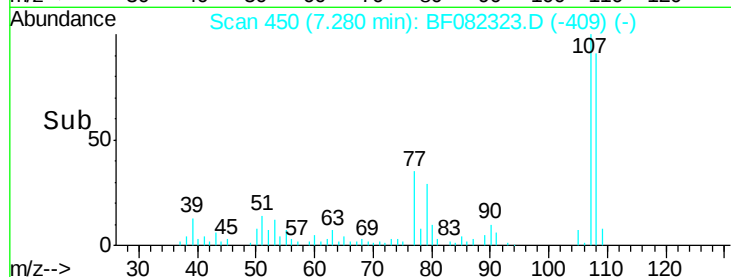
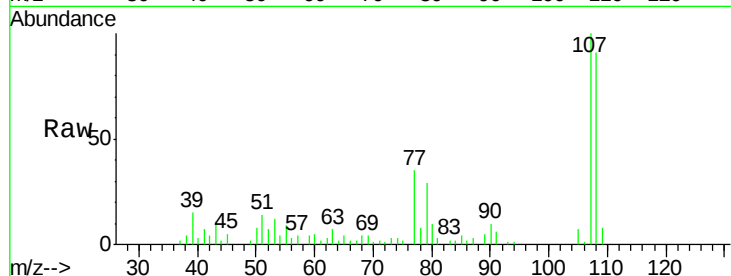




#17
2-Methylphenol
Concen: 3.33 ng
RT: 7.28 min Scan# 450
Delta R.T. 0.17 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

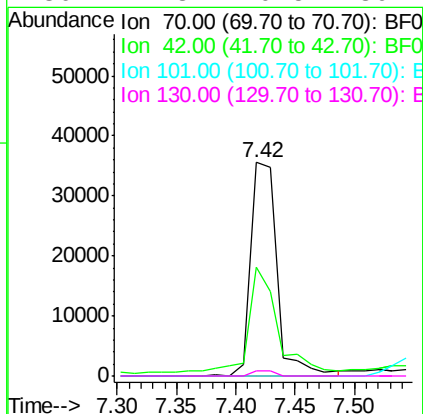
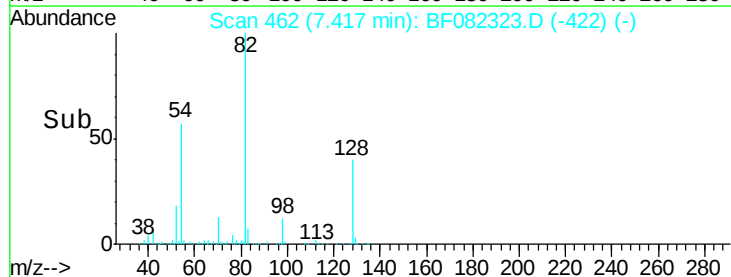
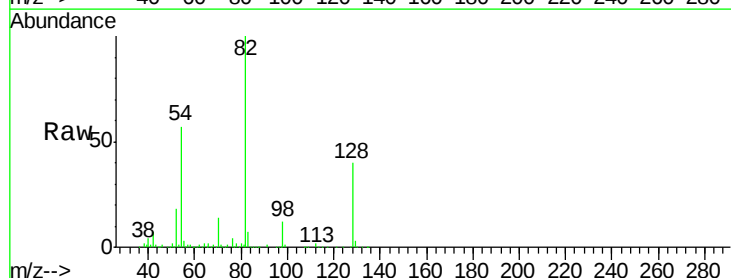
Instrument :
BNA_F
ClientSampleId :
TEC-10

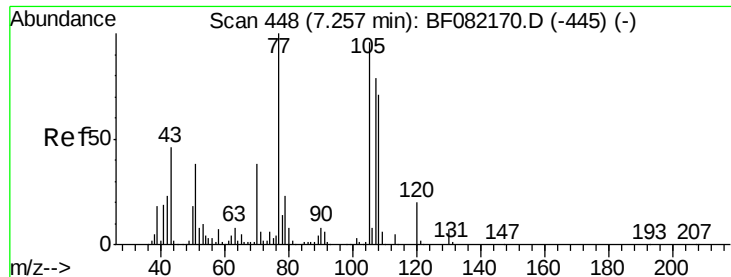
Tot Ion:107 Resp: 37368
Ion Ratio Lower Upper
107 100
108 91.2 92.2 138.2#
77 35.1 39.6 59.4#
79 29.0 38.2 57.4#



#19
n-Nitroso-di-n-propylamine
Concen: 5.22 ng
RT: 7.42 min Scan# 462
Delta R.T. 0.16 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion: 70 Resp: 55500
Ion Ratio Lower Upper
70 100
42 50.7 39.8 59.8
101 0.0 8.6 13.0#
130 2.3 20.5 30.7#

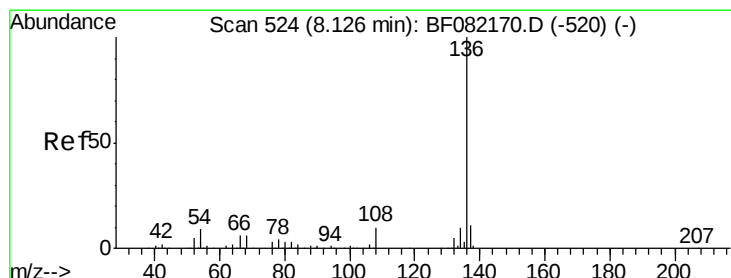
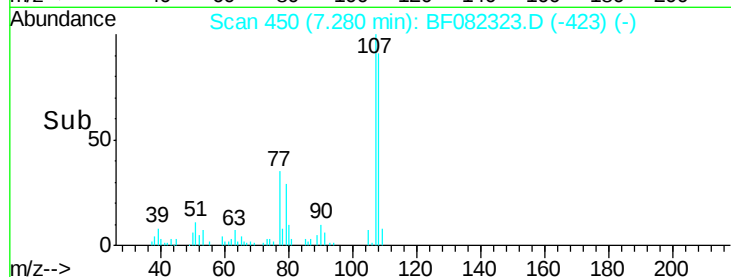
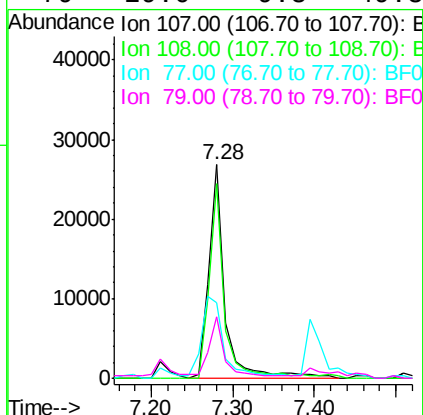
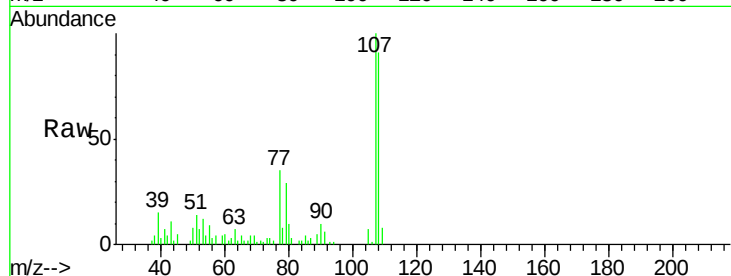




#20
3+4-Methylphenols
Concen: 2.79 ng
RT: 7.28 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

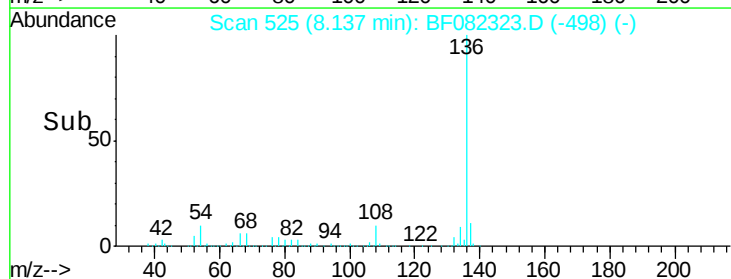
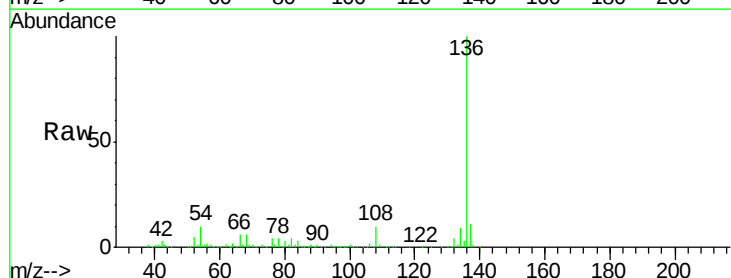
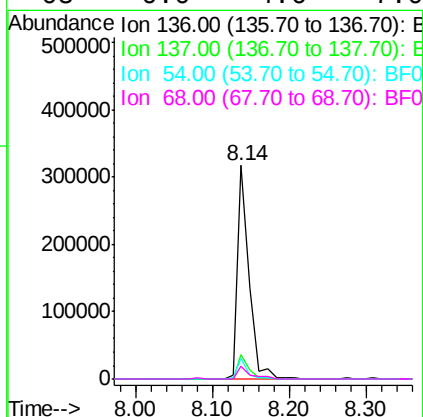
Instrument :
BNA_F
ClientSampled :
TEC-10

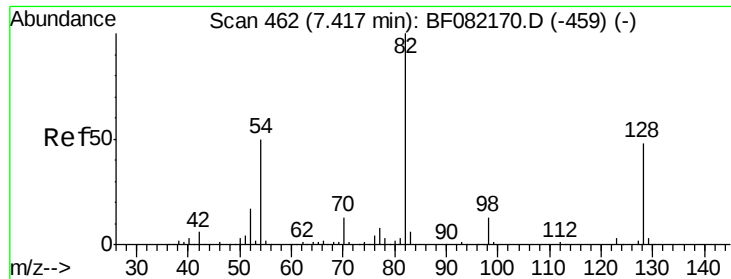
Tot Ion	Ratio	Lower	Upper
107	100		
108	91.2	69.9	109.9
77	35.1	106.0	146.0
79	29.0	9.8	49.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.7	7.5	11.3
68	6.0	4.6	7.0

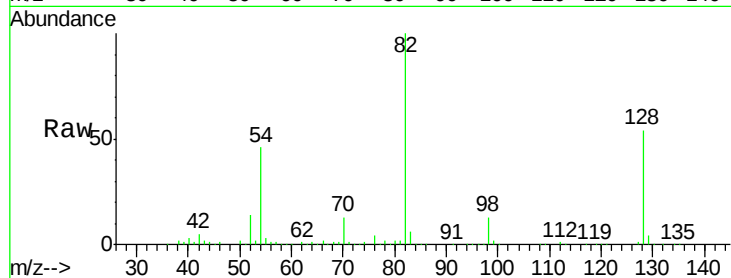




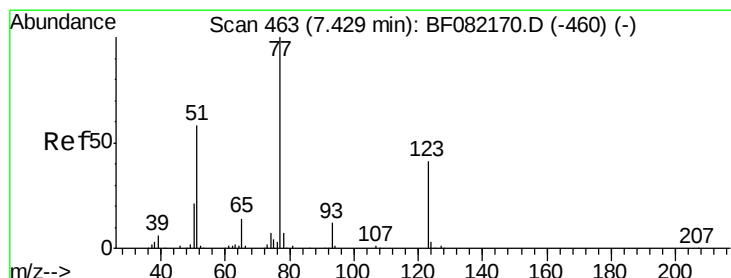
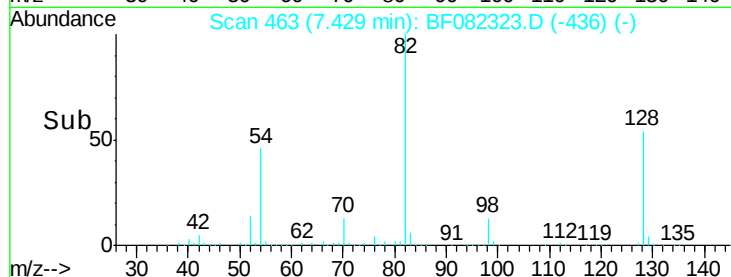
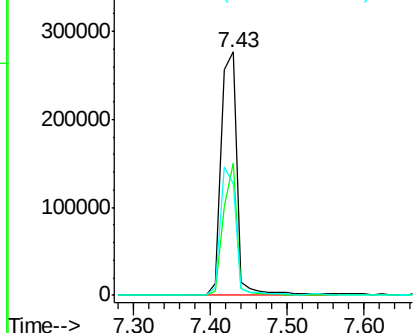
#23
 Nitrobenzene-d5
 Concen: 80.46 ng
 RT: 7.43 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleID :
 TEC-10

Tot Ion: 82 Resp: 407263
 Ion Ratio Lower Upper
 82 100
 128 54.5 38.7 58.1
 54 45.9 40.1 60.1

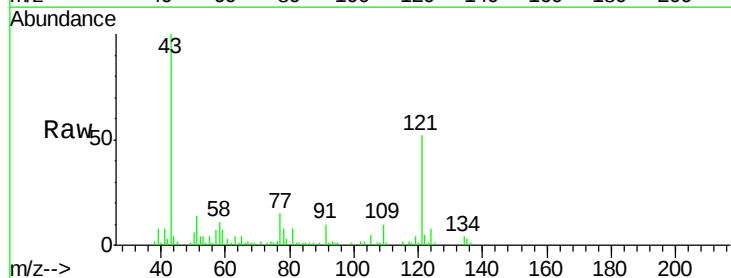


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

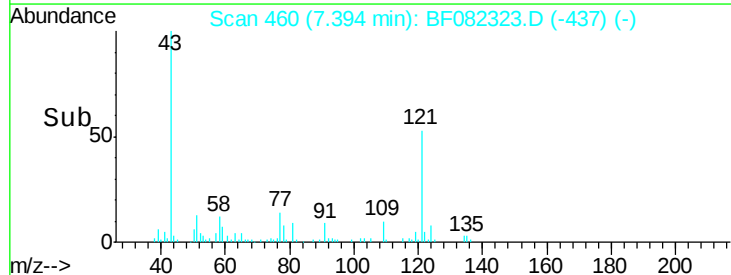
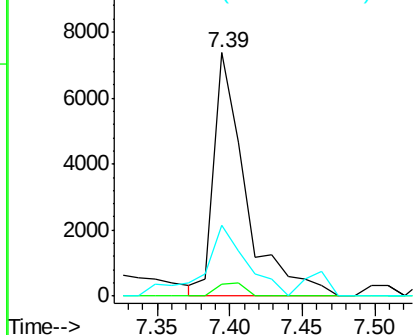


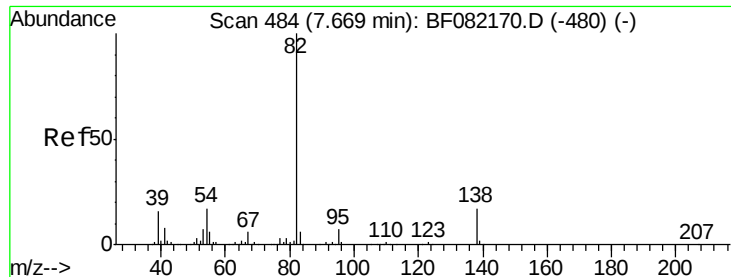
#24
 Nitrobenzene
 Concen: 2.06 ng
 RT: 7.39 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Tgt Ion: 77 Resp: 11286
 Ion Ratio Lower Upper
 77 100
 123 4.8 33.0 49.4#
 65 29.0 11.2 16.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 37.63 ng

RT: 7.43 min Scan# 463

Delta R.T. -0.24 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

ClientSampleId :

TEC-10

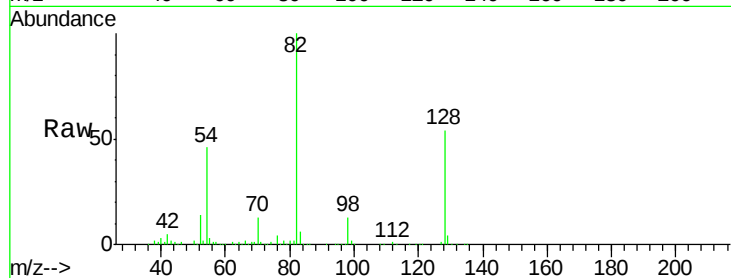
Tot Ion: 82 Resp: 384379

Ion Ratio Lower Upper

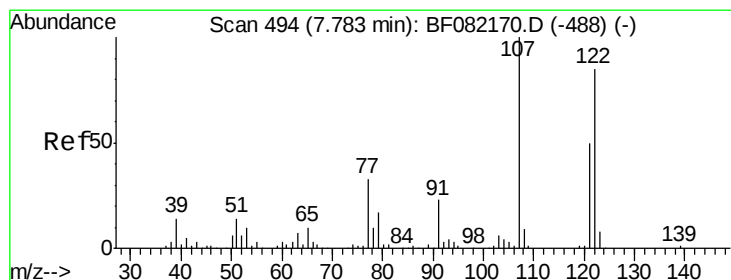
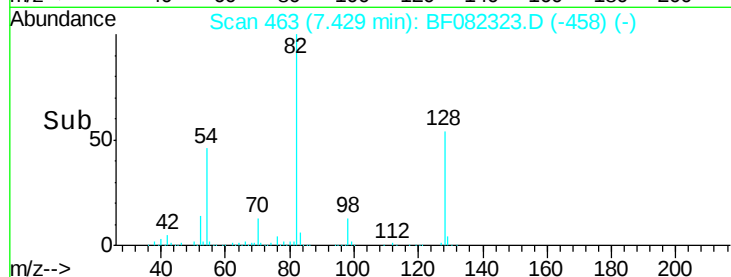
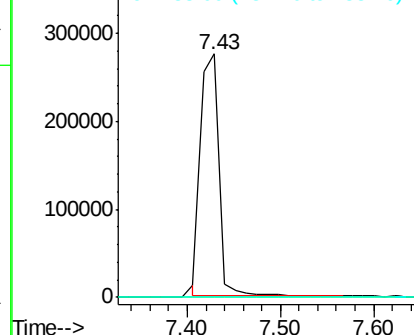
82 100

95 0.2 5.6 8.4#

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: 27.39 ng

RT: 7.94 min Scan# 508

Delta R.T. 0.15 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

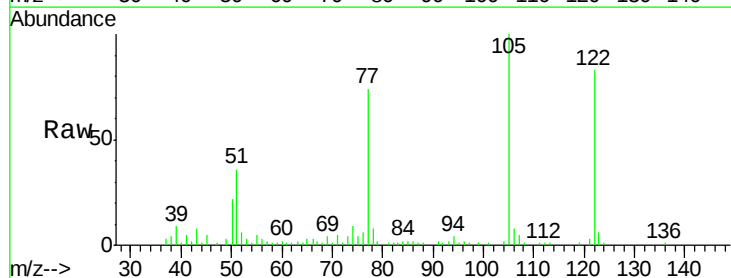
Tgt Ion: 122 Resp: 120726

Ion Ratio Lower Upper

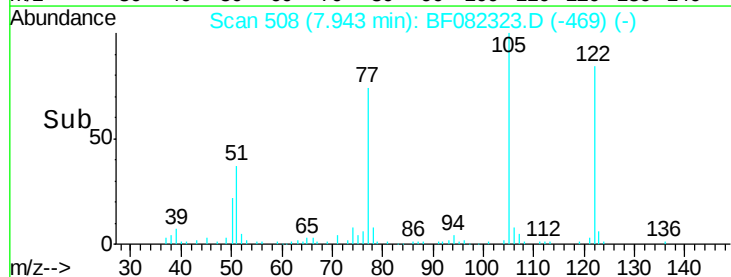
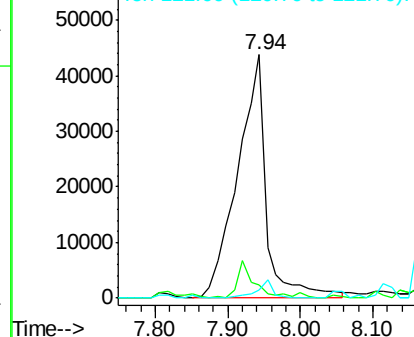
122 100

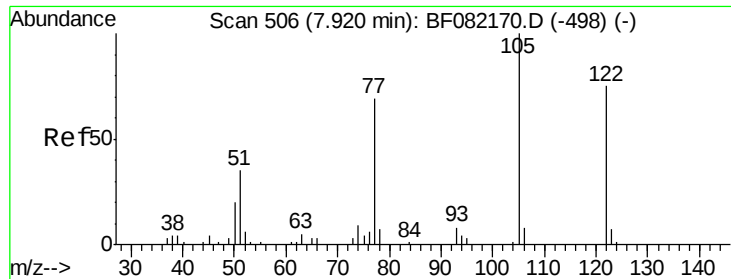
107 5.5 94.0 141.0#

121 3.6 46.8 70.2#



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

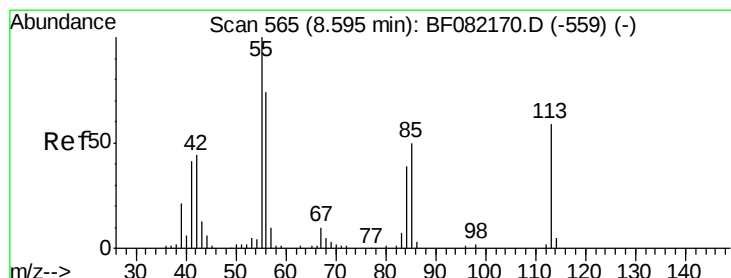
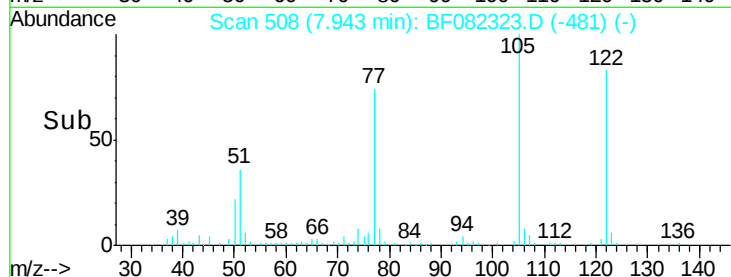
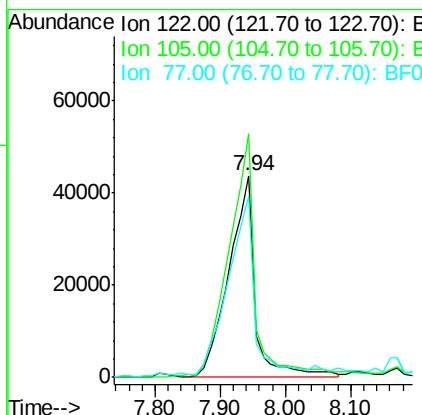
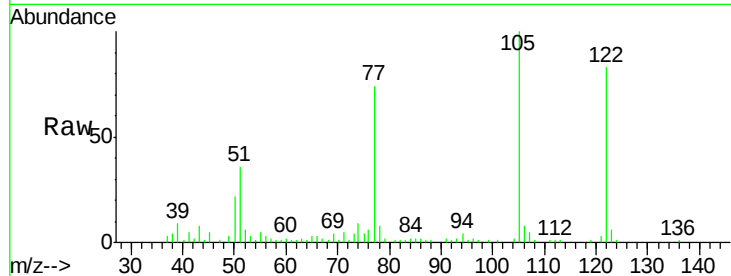




#32
Benzoic acid
Concen: 41.24 ng
RT: 7.94 min Scan# 508
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

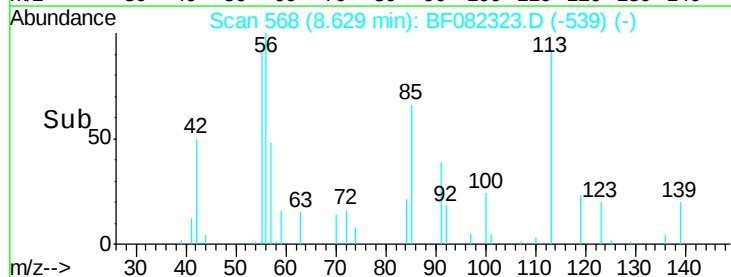
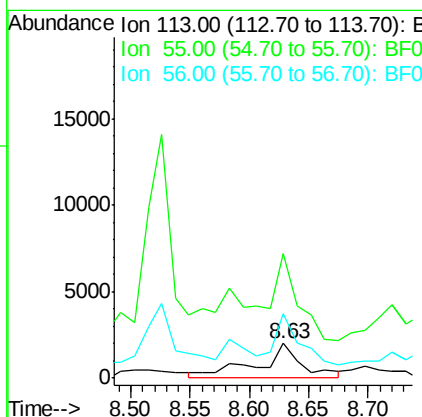
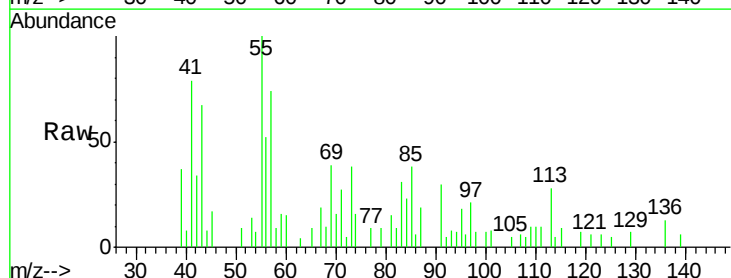
Instrument :
BNA_F
ClientSampleId :
TEC-10

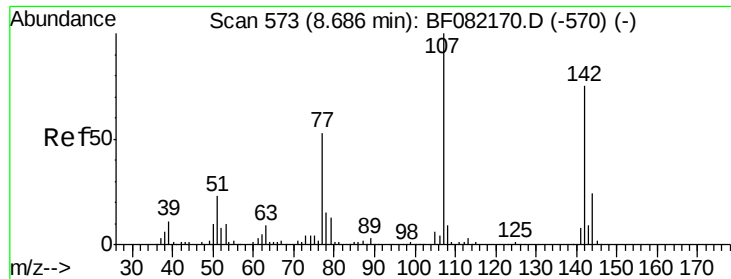
Tot Ion:122 Resp: 121989
Ion Ratio Lower Upper
122 100
105 120.6 104.4 144.4
77 89.5 69.0 109.0



#35
Caprolactam
Concen: 4.13 ng
RT: 8.63 min Scan# 568
Delta R.T. 0.03 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion:113 Resp: 5280
Ion Ratio Lower Upper
113 100
55 362.0 149.7 189.7#
56 187.2 105.4 145.4#

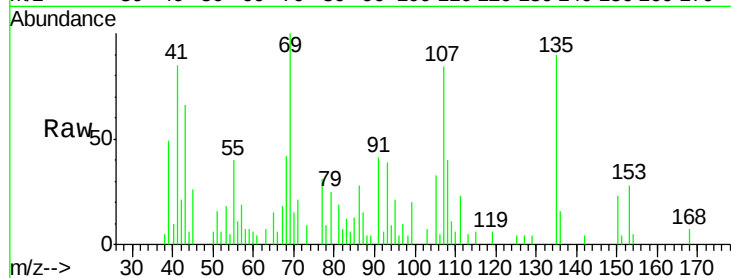




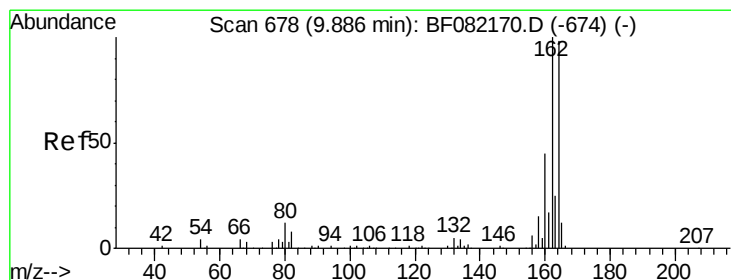
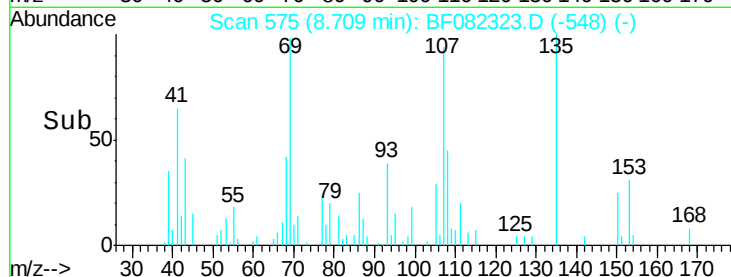
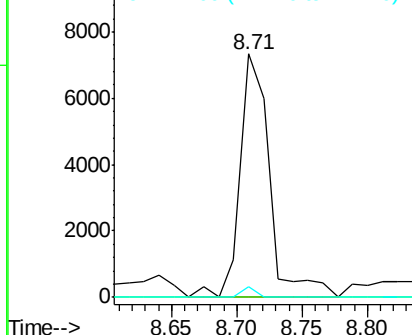
#36
 4-Chloro-3-methylphenol
 Concen: 2.66 ng
 RT: 8.71 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Tot Ion:107 Resp: 11480
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.3 28.9#
 142 4.6 59.9 89.9#

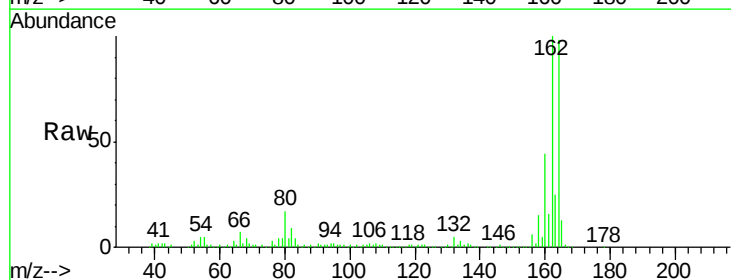


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

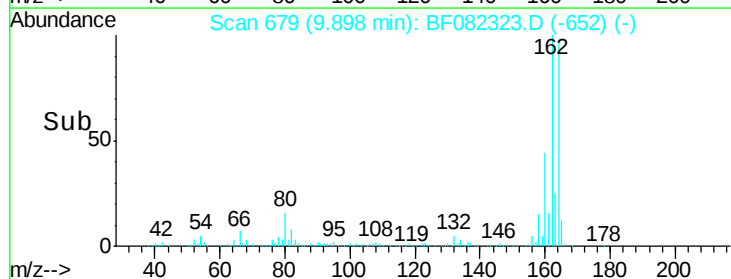
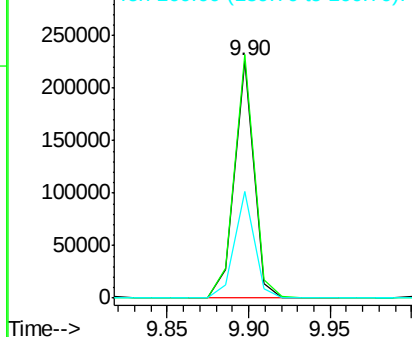


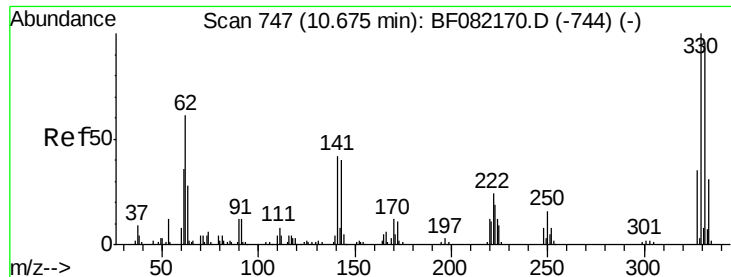
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Tgt Ion:164 Resp: 186035
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.6 122.4
 160 45.0 36.4 54.6



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

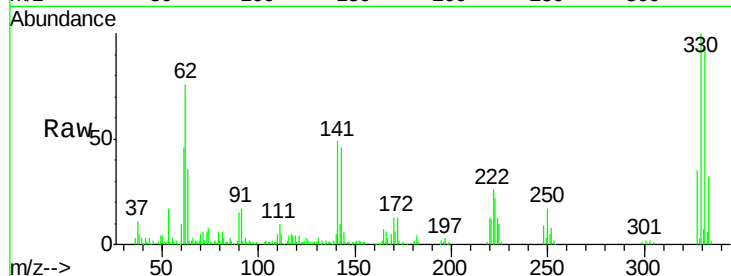




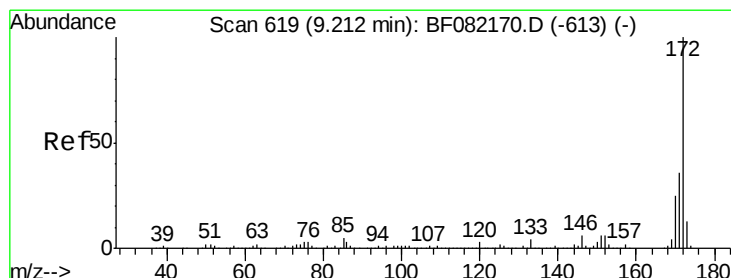
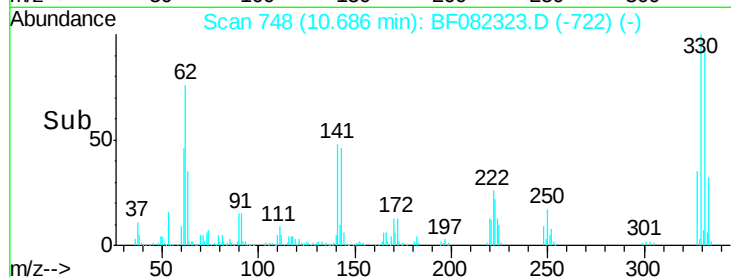
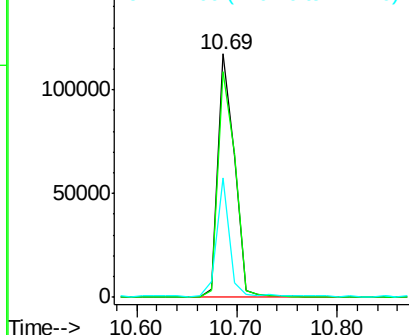
#41
 2,4,6-Tribromophenol
 Concen: 77.46 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Tot Ion:330 Resp: 135134
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.1 115.7
 141 37.6 29.8 44.8

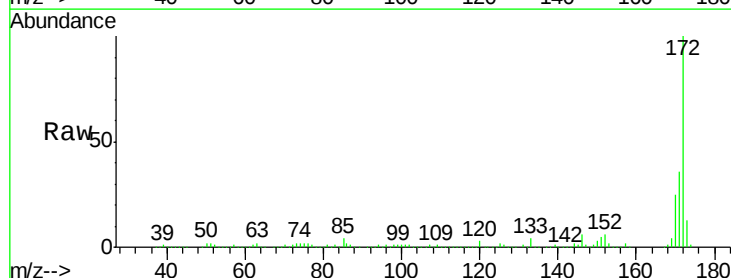


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

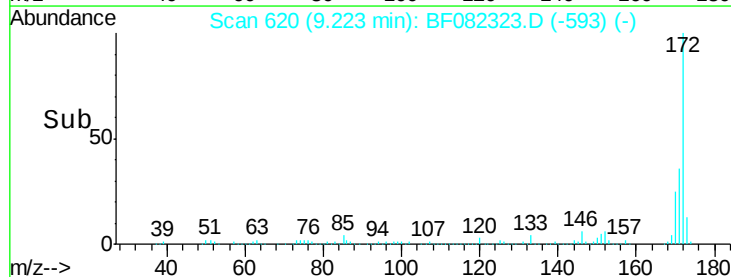
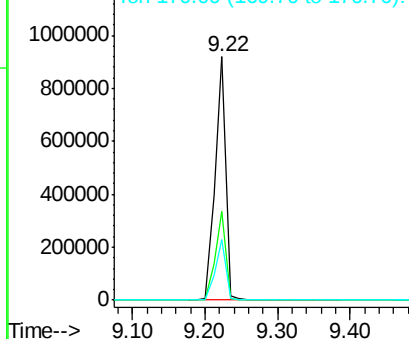


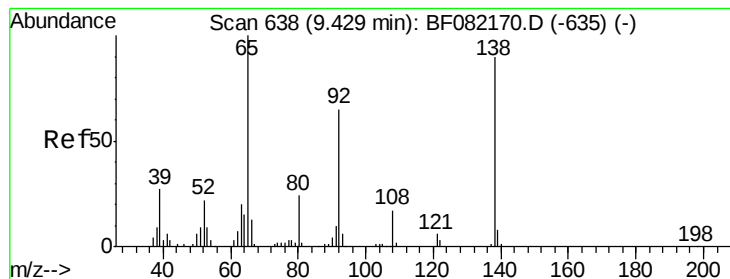
#44
 2-Fluorobiphenyl
 Concen: 83.15 ng
 RT: 9.22 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Tgt Ion:172 Resp: 932808
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 42.8
 170 24.8 19.7 29.5



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





#47

2-Nitroaniline

Concen: 15.33 ng

RT: 9.37 min Scan# 633

Delta R.T. -0.07 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

ClientSampleId :

TEC-10

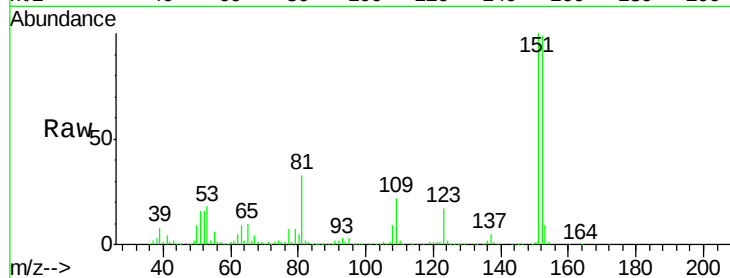
Tot Ion: 65 Resp: 47014

Ion Ratio Lower Upper

65 100

92 19.0 52.3 78.5#

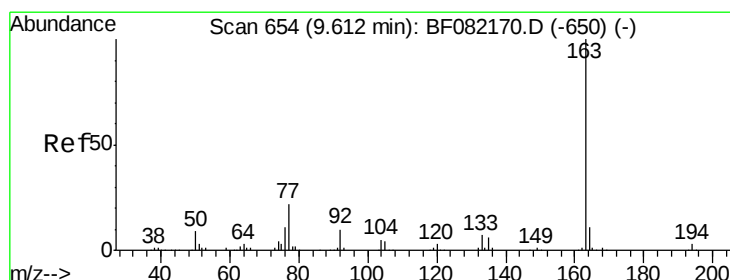
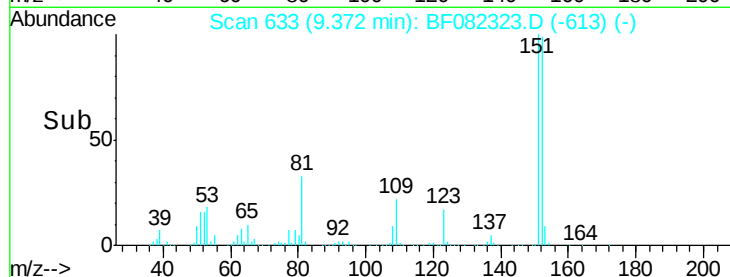
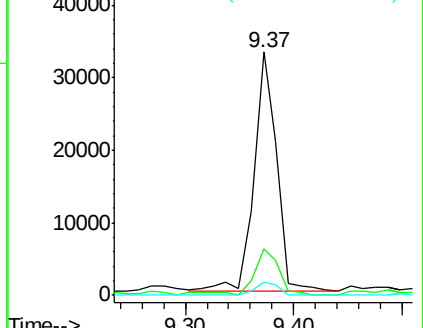
138 5.4 72.2 108.4#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#49

Dimethylphthalate

Concen: 4.12 ng

RT: 9.61 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

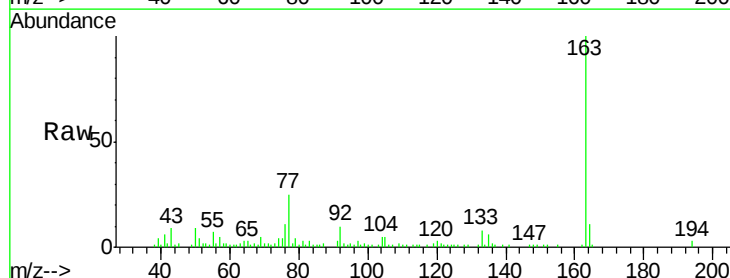
Tgt Ion: 163 Resp: 54025

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

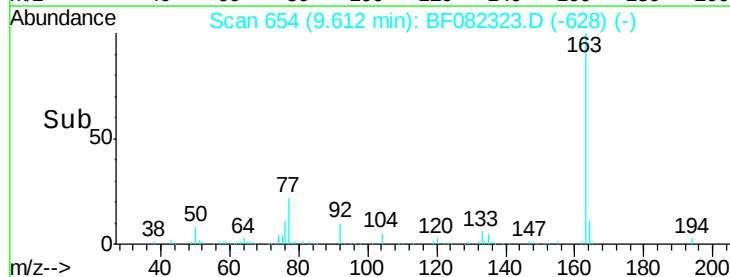
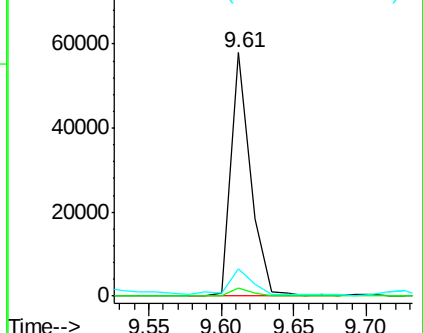
164 11.1 8.5 12.7

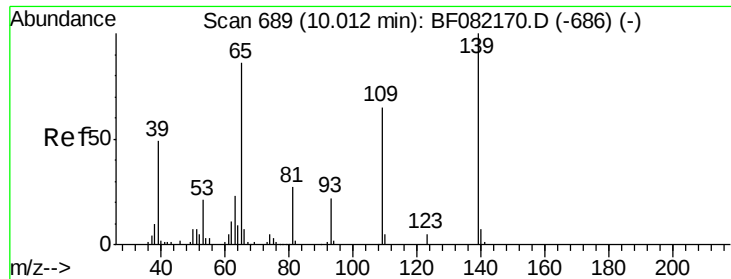


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

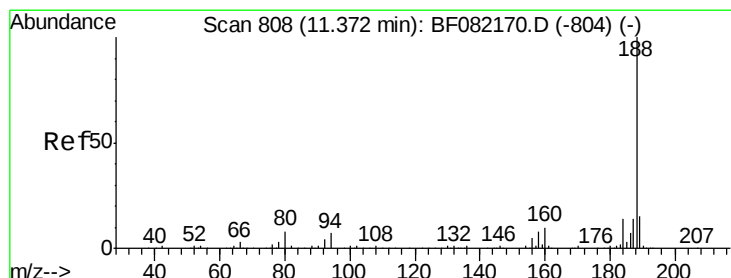
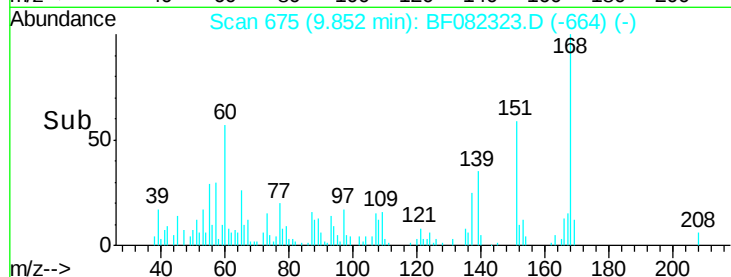
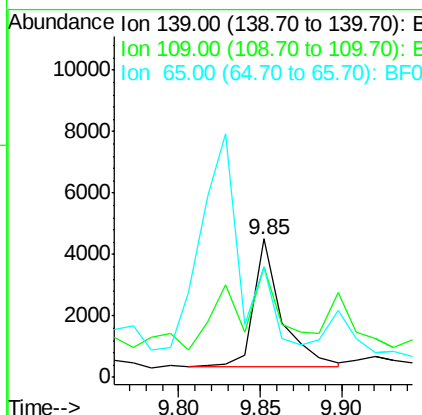
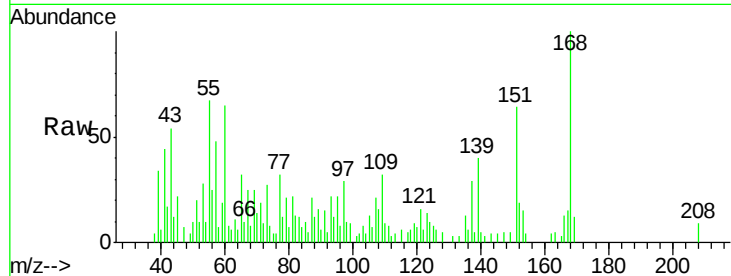




#55
4-Nitrophenol
Concen: 2.35 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.17 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

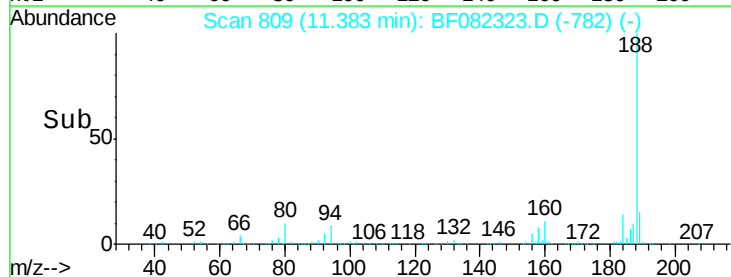
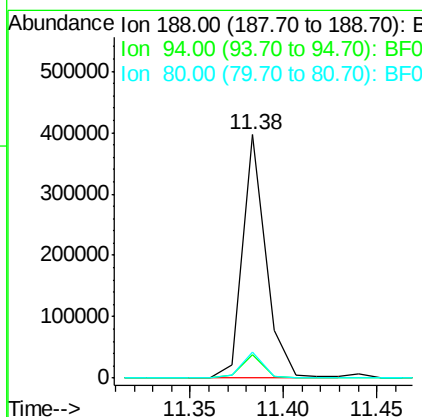
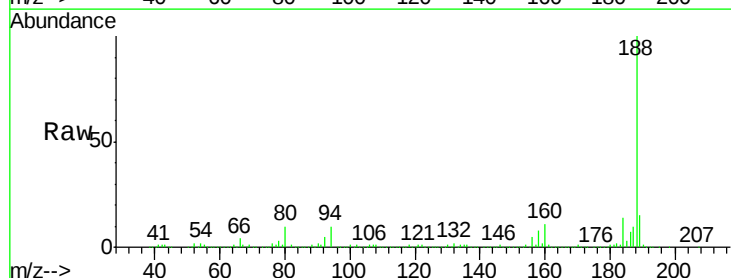
Instrument :
BNA_F
ClientSampleId :
TEC-10

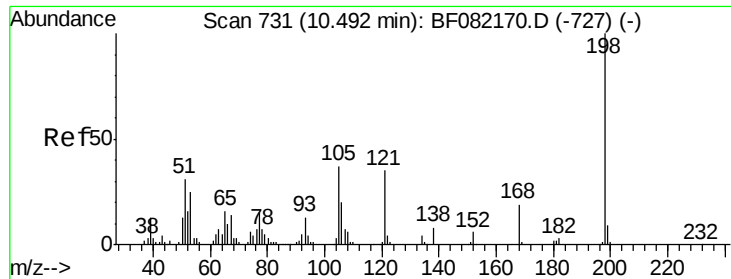
Tot Ion:139 Resp: 4942
Ion Ratio Lower Upper
139 100
109 80.0 44.8 84.8
65 79.9 67.7 107.7



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion:188 Resp: 348277
Ion Ratio Lower Upper
188 100
94 9.6 5.8 8.6#
80 10.4 6.4 9.6#

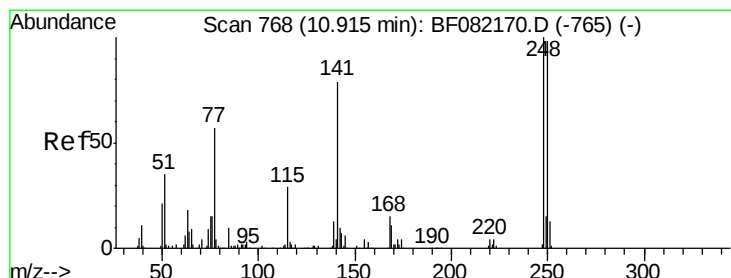
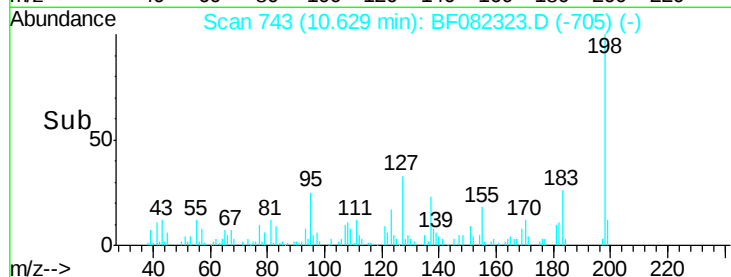
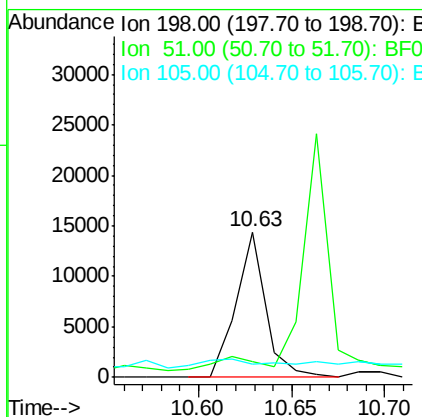
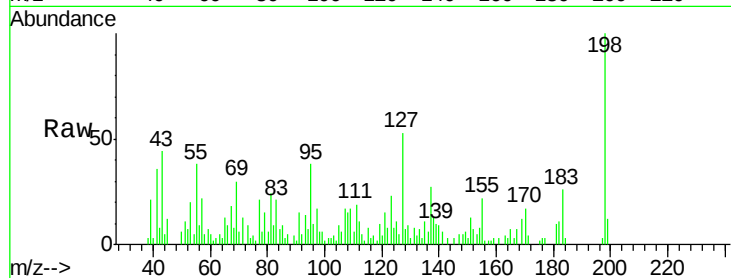




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.25 ng
 RT: 10.63 min Scan# 743
 Delta R.T. 0.14 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

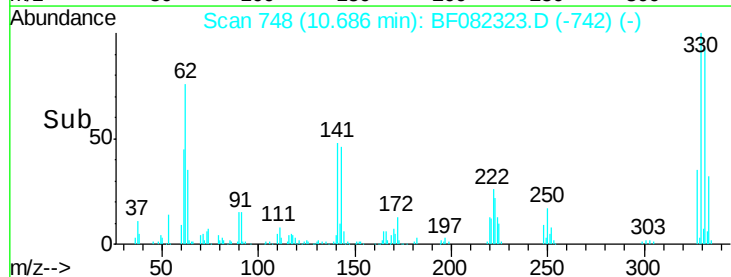
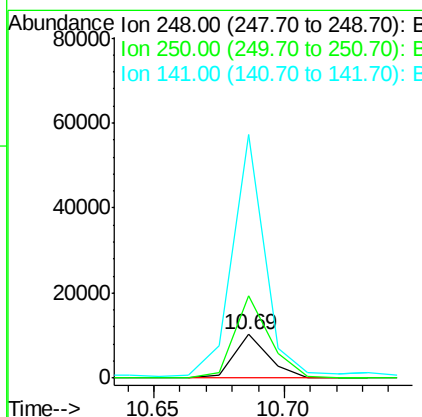
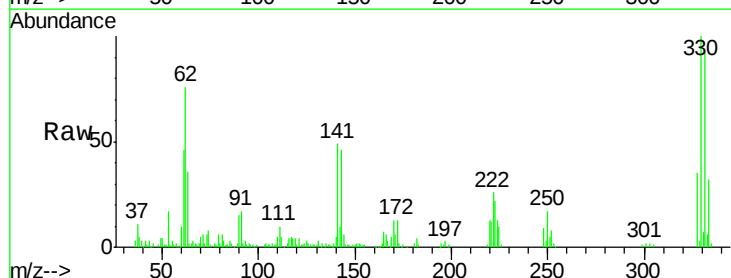
Instrument :
 BNA_F
 ClientSampled :
 TEC-10

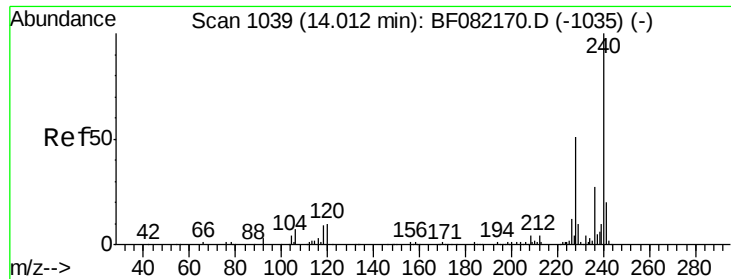
Tot Ion:198 Resp: 16127
 Ion Ratio Lower Upper
 198 100
 51 11.1 13.6 53.6#
 105 9.4 17.1 57.1#



#66
 4-Bromophenyl-phenylether
 Concen: 2.67 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.23 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Tgt Ion:248 Resp: 9312
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.6 117.8#
 141 557.5 63.3 94.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

ClientSampleId :

TEC-10

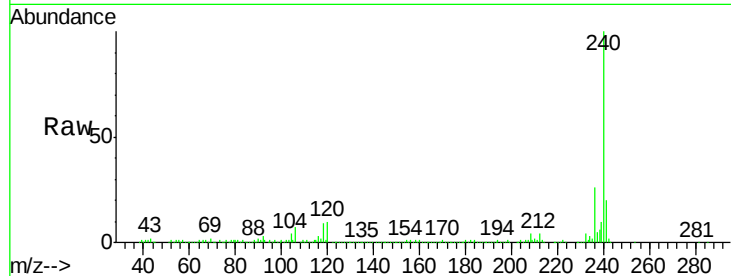
Tot Ion:240 Resp: 309887

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

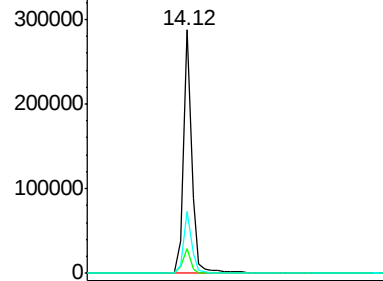
236 25.6 21.3 31.9



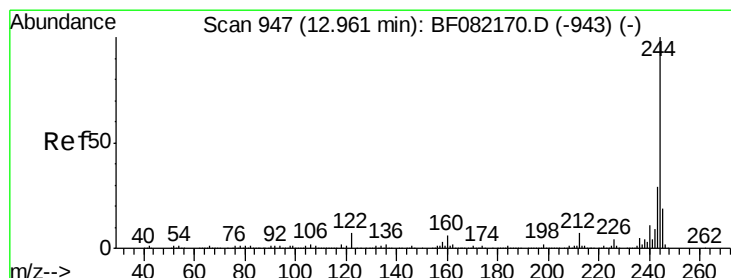
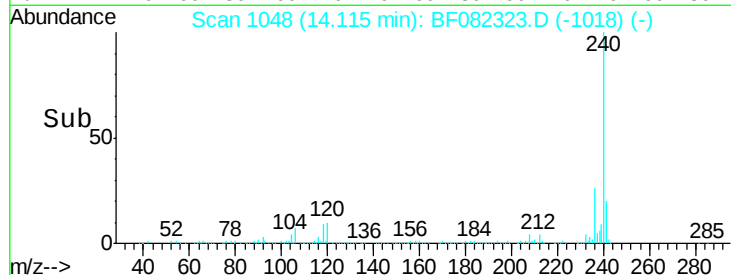
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 89.09 ng

RT: 13.00 min Scan# 950

Delta R.T. 0.03 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

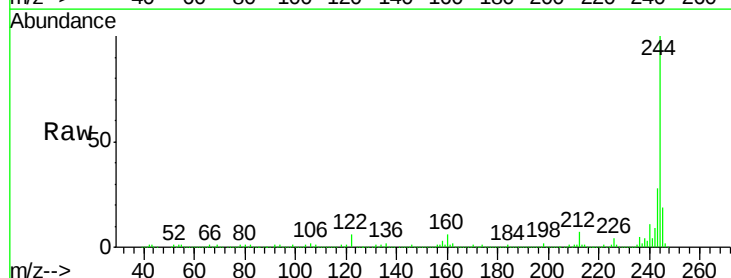
Tgt Ion:244 Resp: 1041865

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

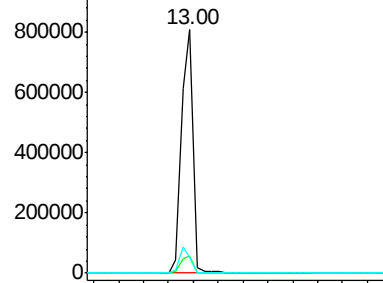
122 6.5 5.9 8.9



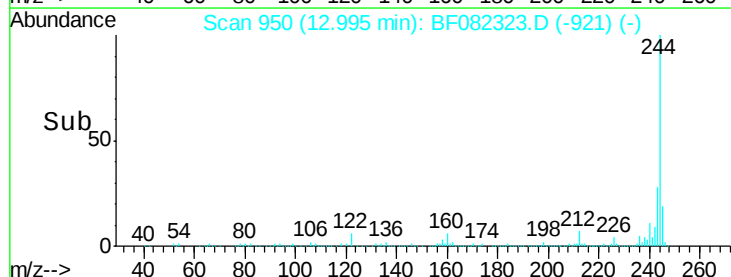
Abundance Ion 244.00 (243.70 to 244.70): E

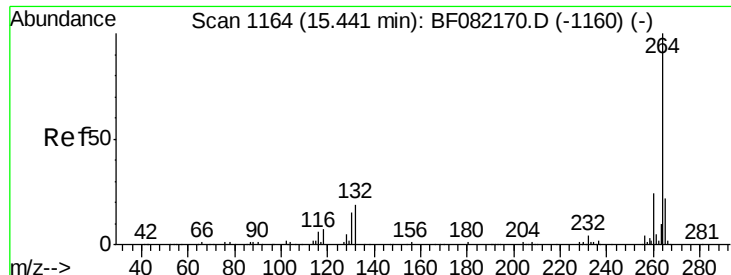
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

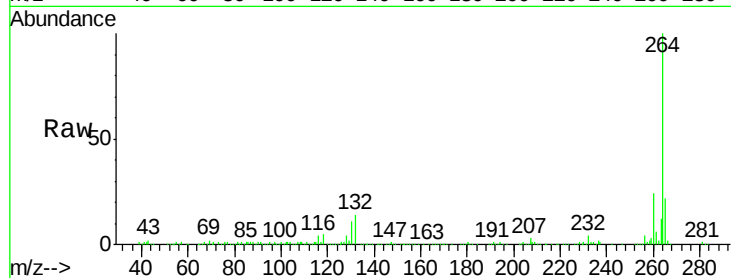




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.72 min Scan# 1188
 Delta R.T. 0.13 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.1	17.3	25.9



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

