

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083104.D
 Acq On : 21 Nov 2015 5:00
 Operator : UM/IZ
 Sample : G4486-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 06:03:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

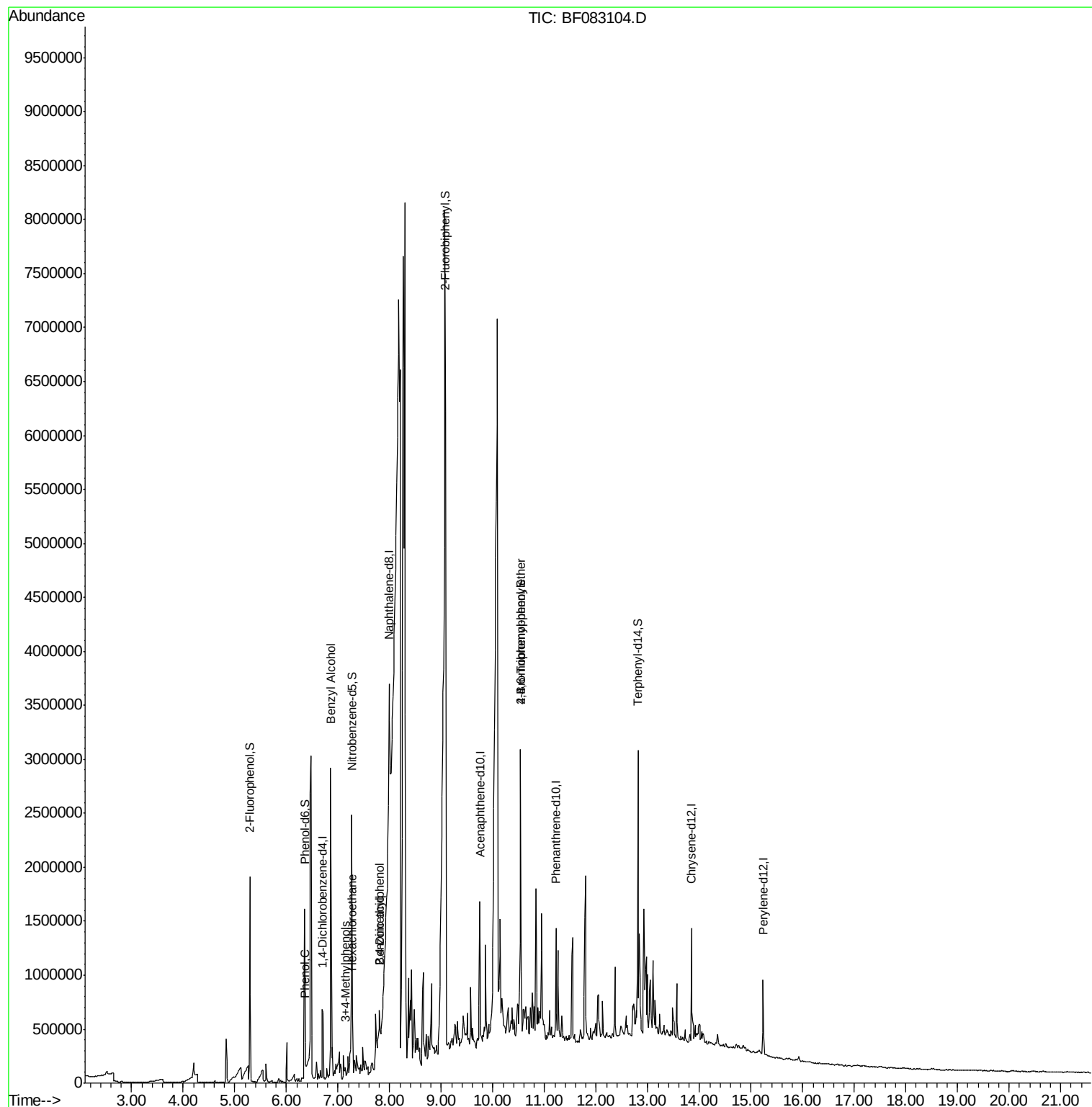
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	143065	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	459063	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	247239	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	379175	20.00	ng	0.00
75) Chrysene-d12	13.85	240	366517	20.00	ng	-0.01
86) Perylene-d12	15.23	264	293084	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	553995	60.14	ng	0.00
7) Phenol-d6	6.35	99	498611	41.10	ng	0.00
23) Nitrobenzene-d5	7.26	82	855241	85.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	275656	105.01	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1291280	70.34	ng	-0.01
78) Terphenyl-d14	12.81	244	754983	48.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.24	77	6597	Below Cal		97
10) Phenol	6.36	94	28544	2.02 ng		86
15) Benzyl Alcohol	6.85	79	62185	6.23 ng		88
18) Hexachloroethane	7.28	117	84255	19.68 ng	#	5
20) 3+4-Methylphenols	7.14	107	29107	2.60 ng		88
27) 2,4-Dimethylphenol	7.80	122	285896	39.11 ng	#	4
32) Benzoic acid	7.80	122	285896	64.30 ng		93
66) 4-Bromophenyl-phenylether	10.53	248	19663	4.48 ng	#	1

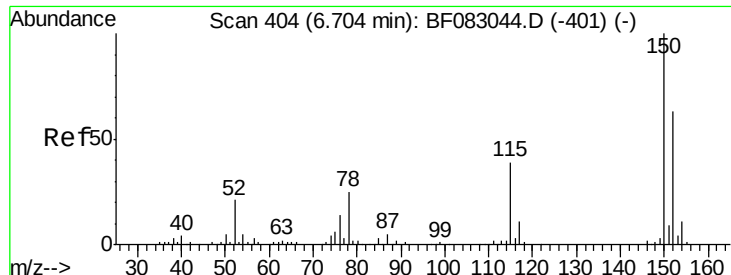
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

Instrument :
BNA_F
ClientSampleId :

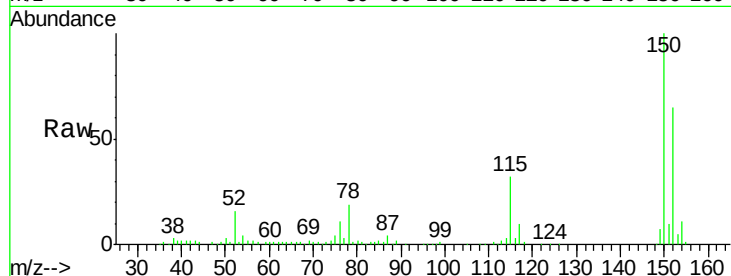
Tot Ion:152 Resp: 143065

Ion Ratio Lower Upper

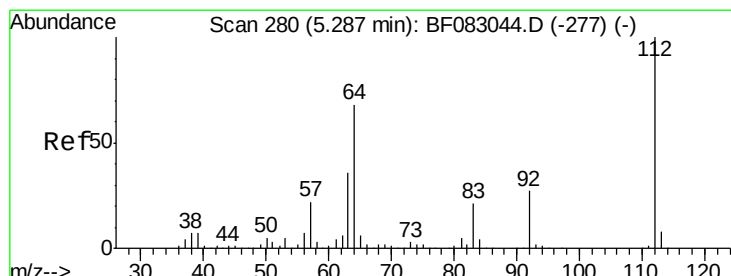
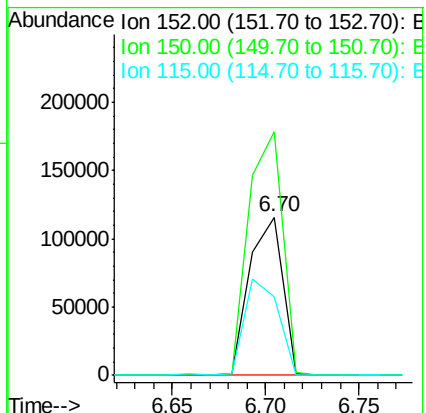
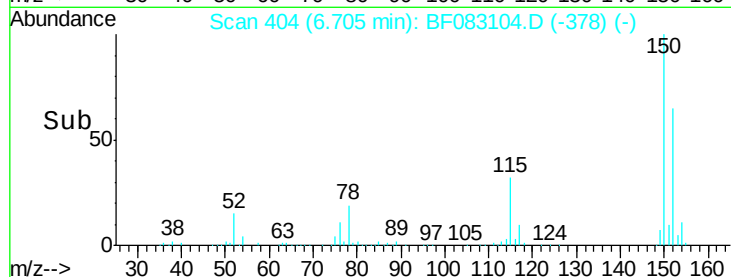
152 100

150 153.9 126.4 189.6

115 49.9 49.0 73.6



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: 60.14 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

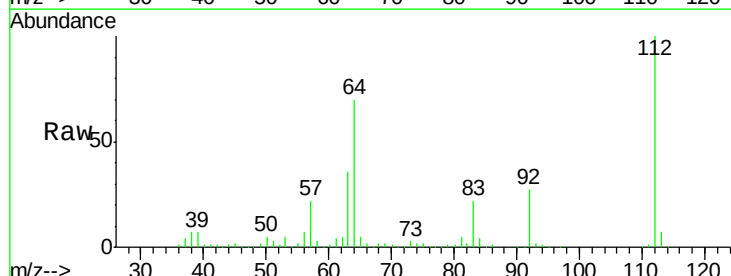
Tgt Ion:112 Resp: 553995

Ion Ratio Lower Upper

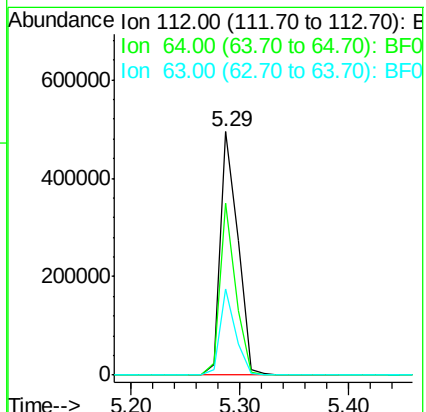
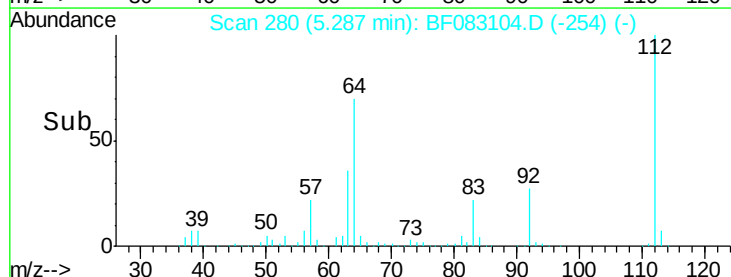
112 100

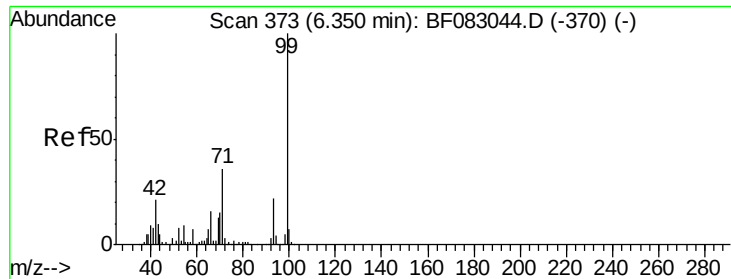
64 70.4 54.8 82.2

63 35.6 29.0 43.4



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: 41.10 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

Instrument :

BNA_F

ClientSampleId :

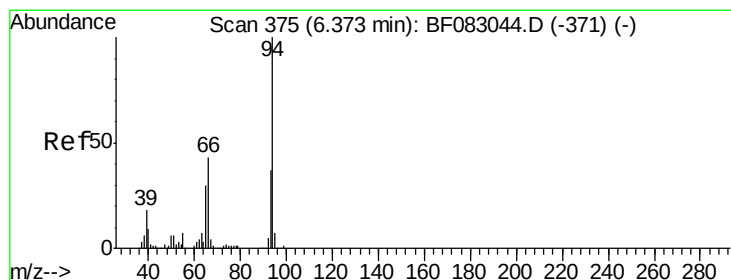
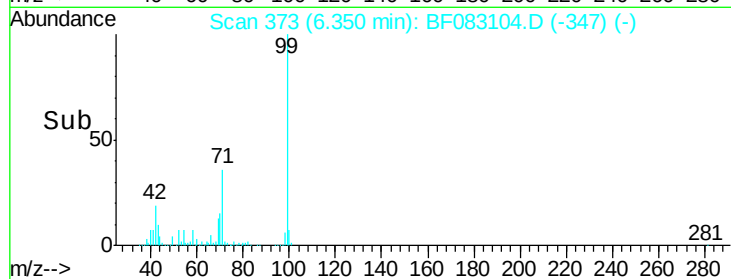
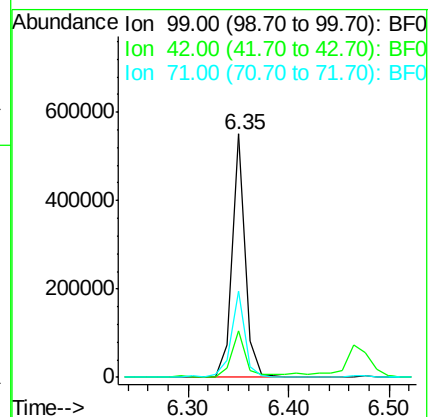
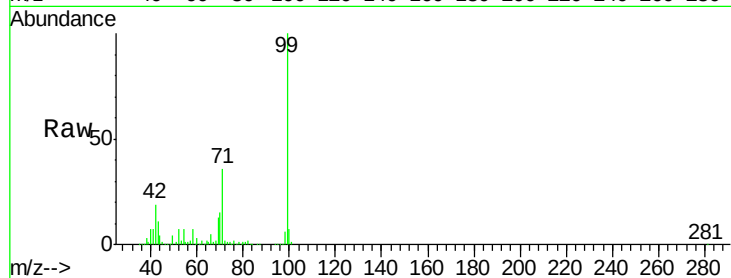
Tot Ion: 99 Resp: 498611

Ion Ratio Lower Upper

99 100

42 19.3 16.6 25.0

71 35.6 29.2 43.8



#10

Phenol

Concen: 2.02 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

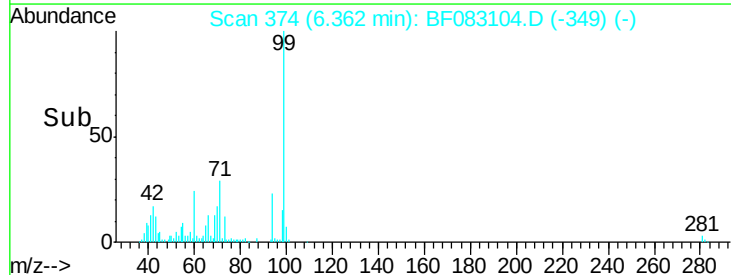
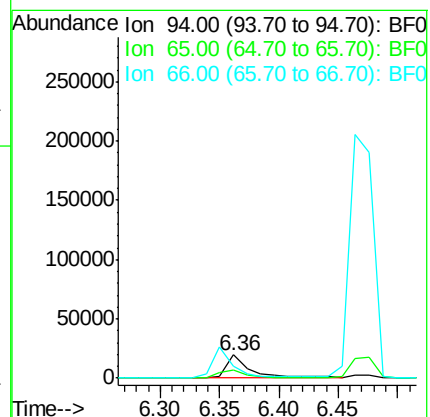
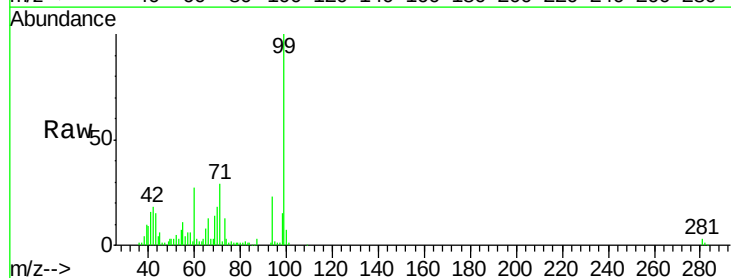
Tgt Ion: 94 Resp: 28544

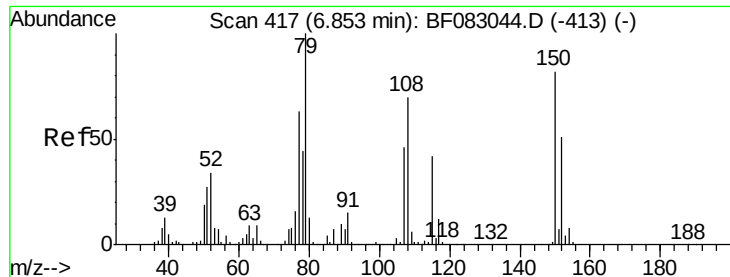
Ion Ratio Lower Upper

94 100

65 35.1 10.1 50.1

66 54.8 23.2 63.2





#15

Benzyl Alcohol

Concen: 6.23 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

Instrument :

BNA_F

ClientSampled :

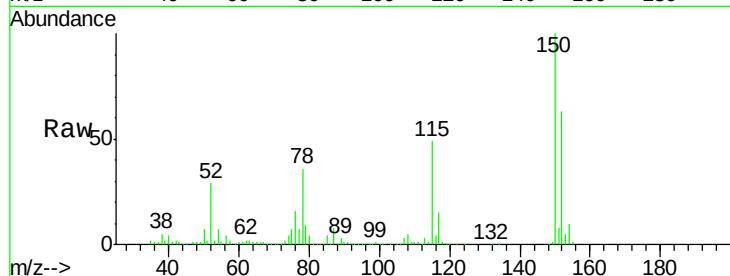
Tot Ion: 79 Resp: 62185

Ion Ratio Lower Upper

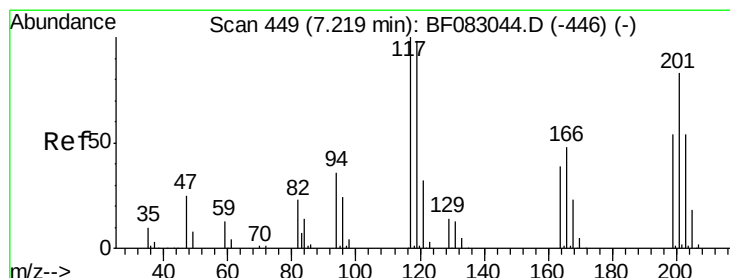
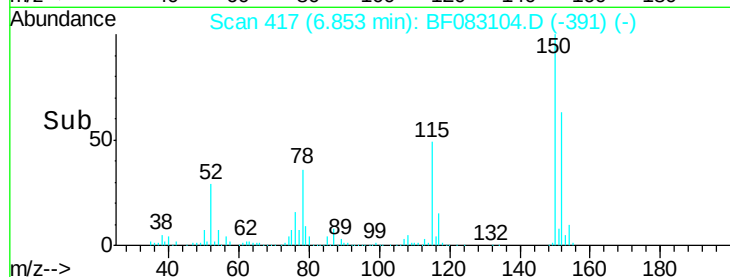
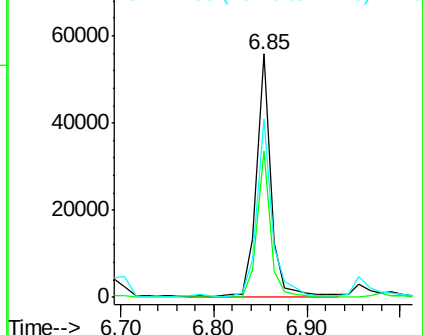
79 100

108 60.2 55.7 83.5

77 73.1 50.7 76.1



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 19.68 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

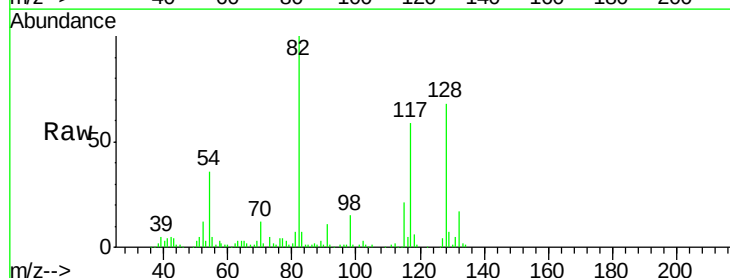
Tgt Ion: 117 Resp: 84255

Ion Ratio Lower Upper

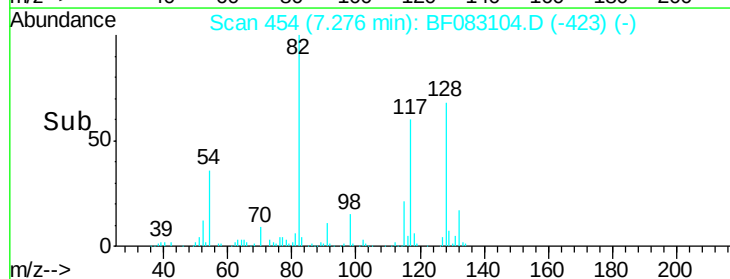
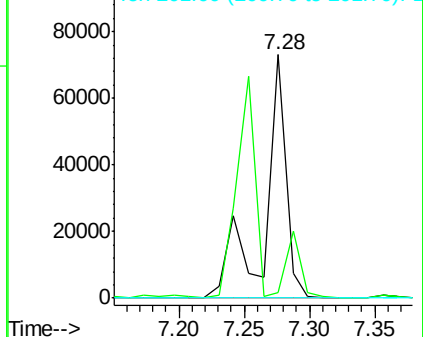
117 100

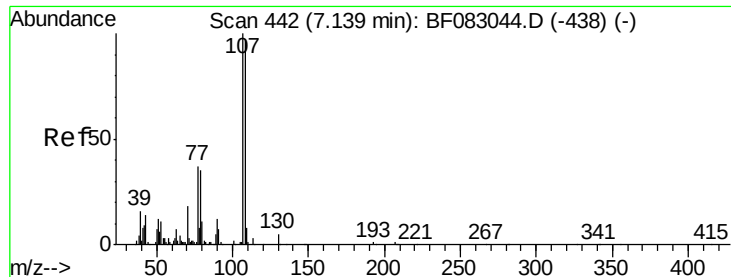
119 2.2 78.3 117.5#

201 0.0 66.5 99.7#



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

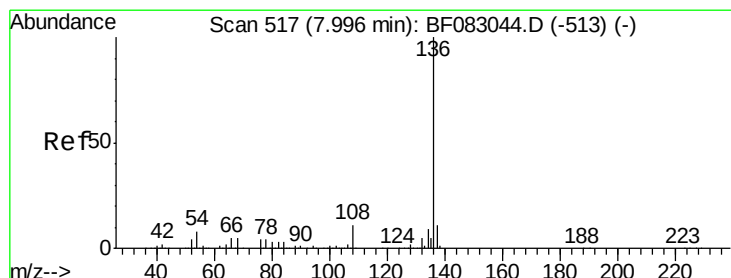
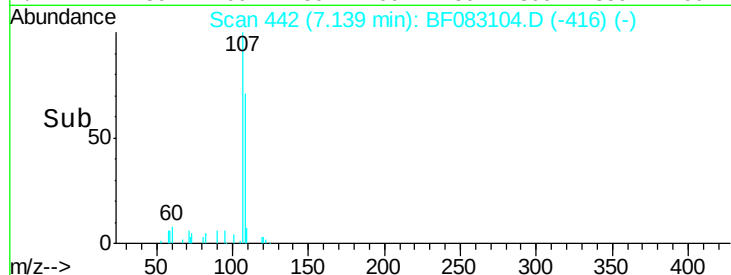
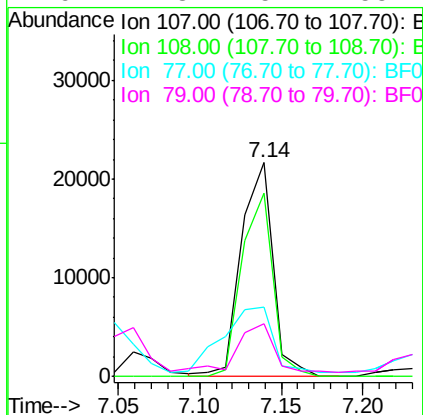
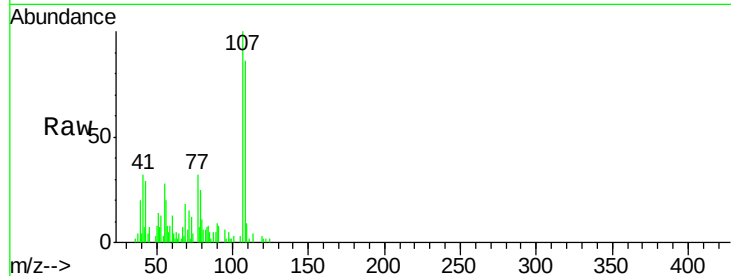




#20
3+4-Methylphenols
Concen: 2.60 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF083104.D
Acq: 21 Nov 2015 5:00

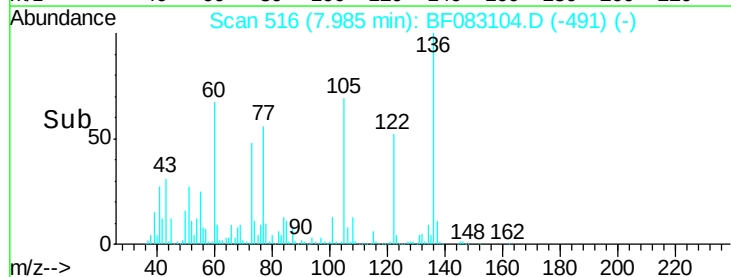
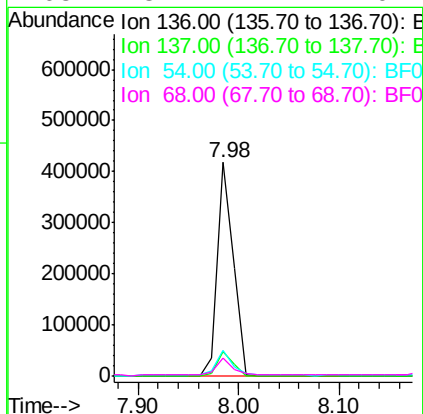
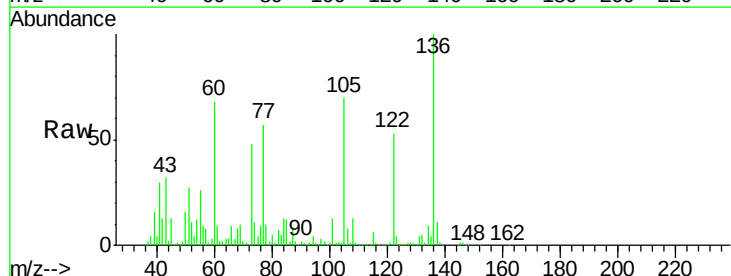
Instrument :
BNA_F
ClientSampleId :

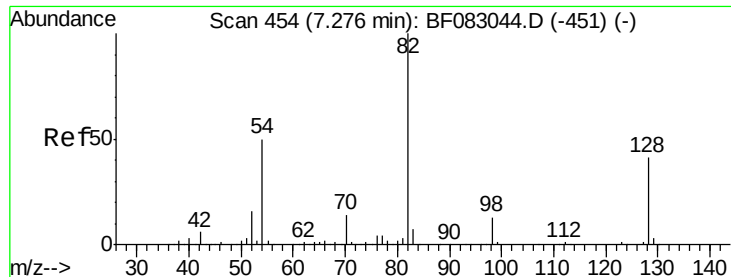
Tot Ion:107	Resp:	29107
Ion Ratio	Lower	Upper
107	100	
108	85.9	77.4 117.4
77	32.1	16.7 56.7
79	24.8	15.2 55.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF083104.D
Acq: 21 Nov 2015 5:00

Tgt Ion:136	Resp:	459063
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 12.8
54	12.3	6.2 9.2#
68	8.4	4.2 6.2#

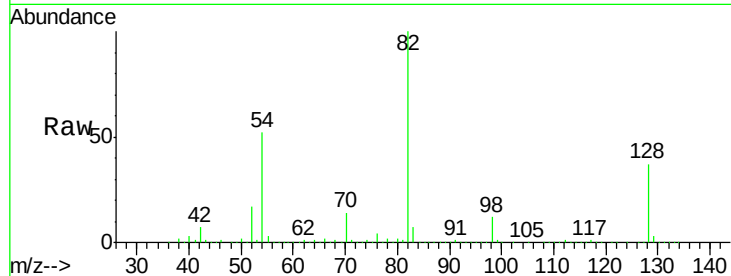




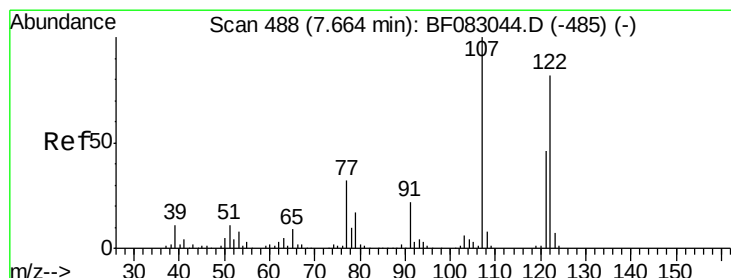
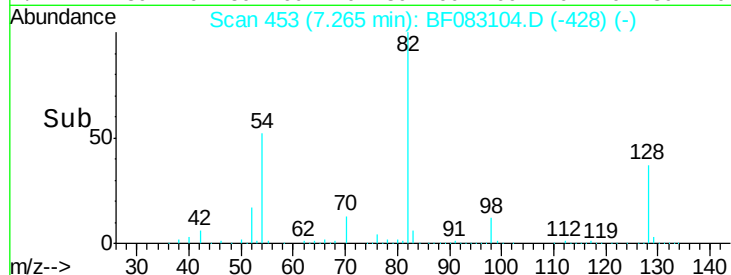
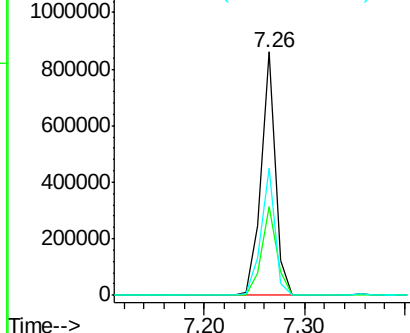
#23
 Nitrobenzene-d5
 Concen: 85.29 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	855241
Ion Ratio	100	Lower	Upper
128	36.6	33.1	49.7
54	52.2	39.8	59.6

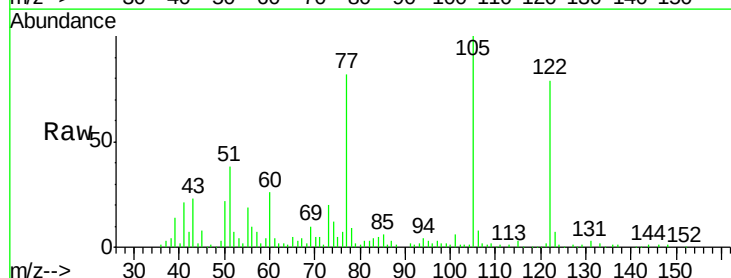


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

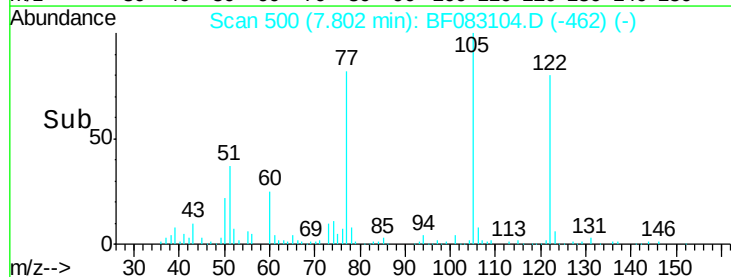
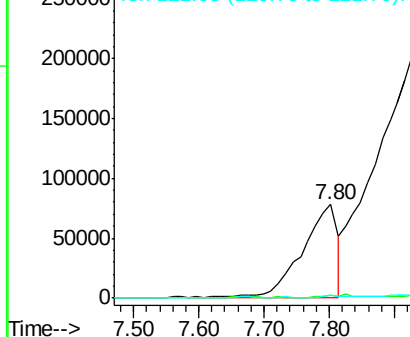


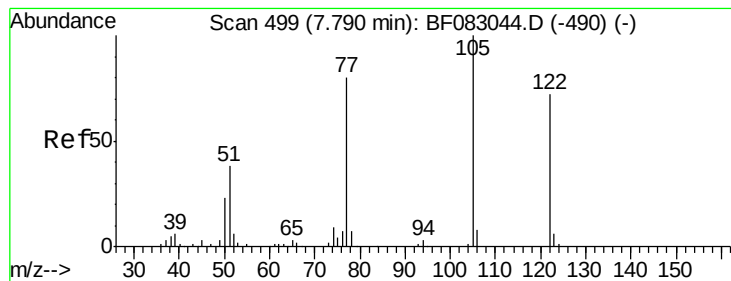
#27
 2,4-Dimethylphenol
 Concen: 39.11 ng
 RT: 7.80 min Scan# 500
 Delta R.T. 0.14 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Tgt Ion	122	Resp	285896
Ion Ratio	100	Lower	Upper
107	3.1	97.5	146.3#
121	2.6	45.3	67.9#



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: 64.30 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

Instrument :

BNA_F

ClientSampleId :

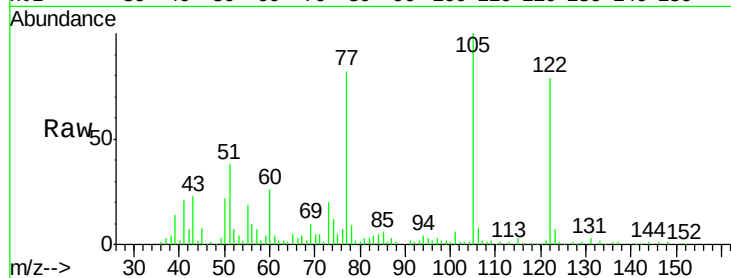
Tot Ion:122 Resp: 285896

Ion Ratio Lower Upper

122 100

105 125.9 115.0 155.0

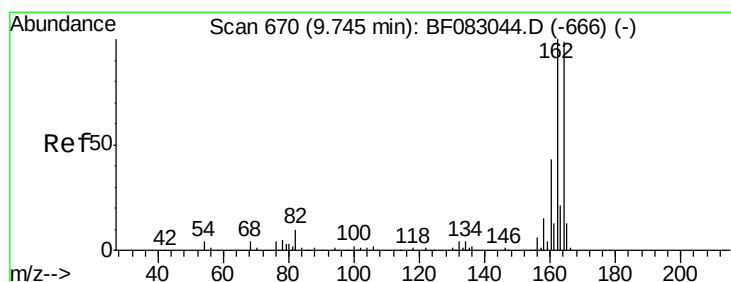
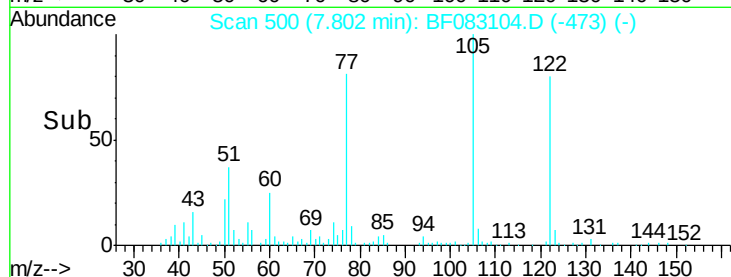
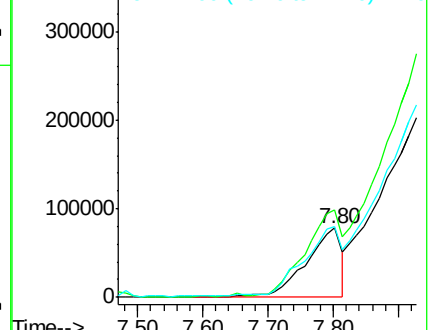
77 103.0 89.0 129.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

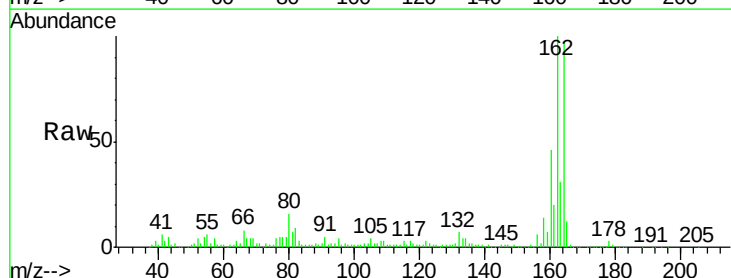
Tgt Ion:164 Resp: 247239

Ion Ratio Lower Upper

164 100

162 103.5 80.5 120.7

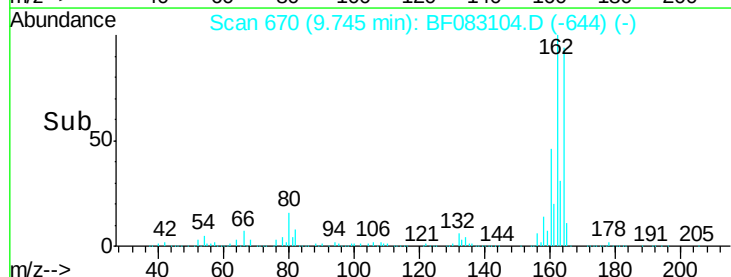
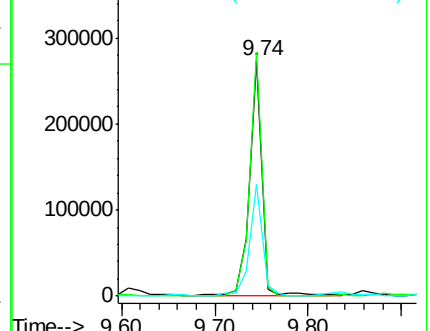
160 47.7 35.0 52.4

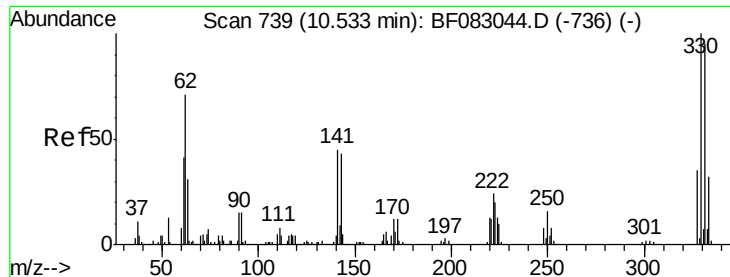


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

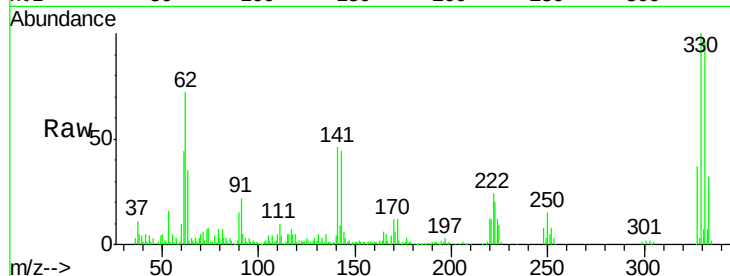




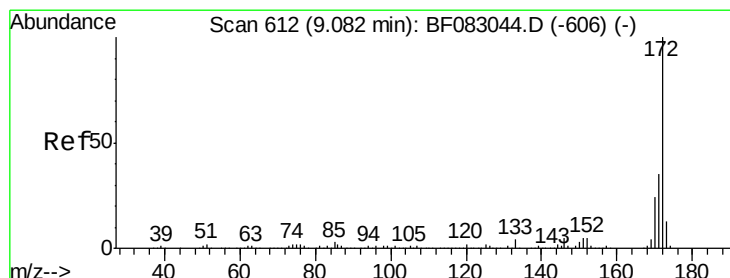
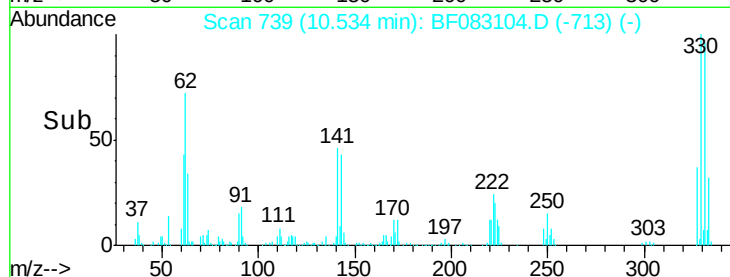
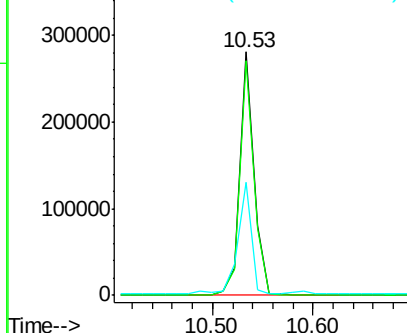
#41
 2,4,6-Tribromophenol
 Concen: 105.01 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	45.3	34.6	52.0

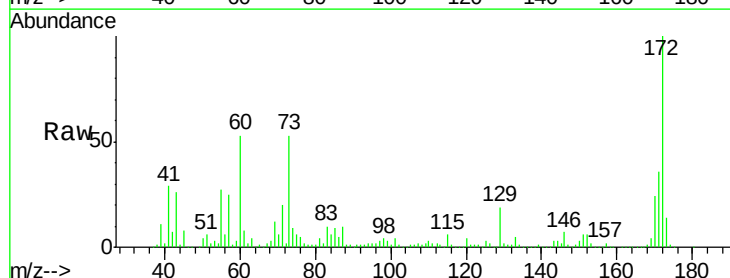


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

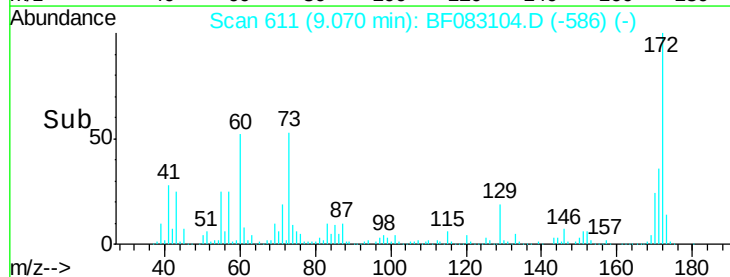
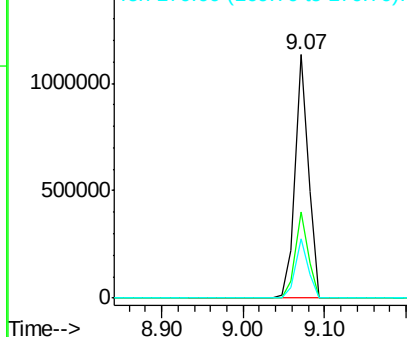


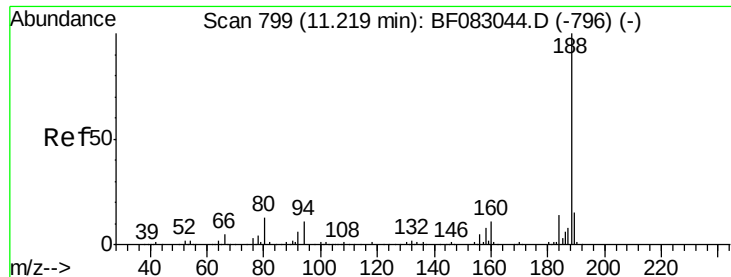
#44
 2-Fluorobiphenyl
 Concen: 70.34 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	24.5	19.4	29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

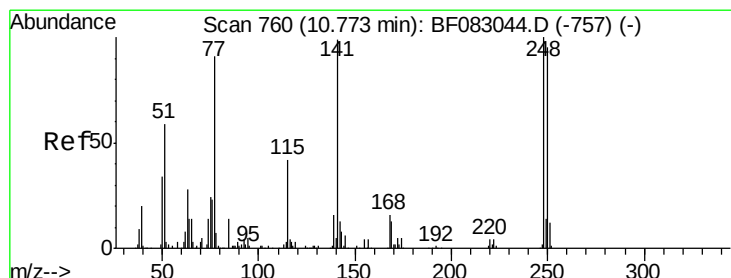
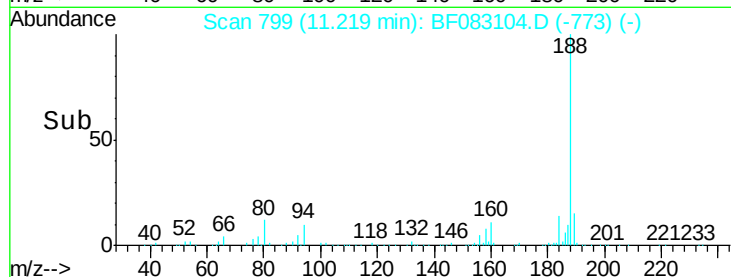
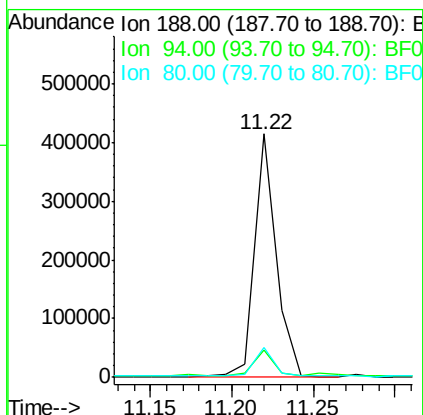
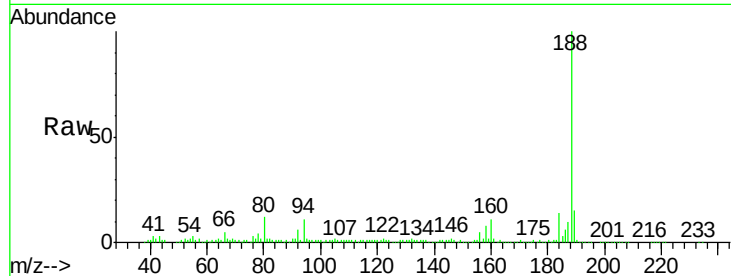




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

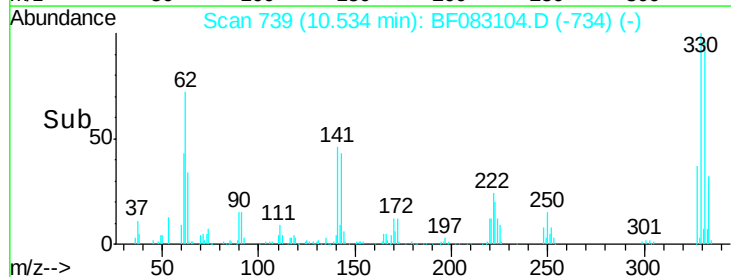
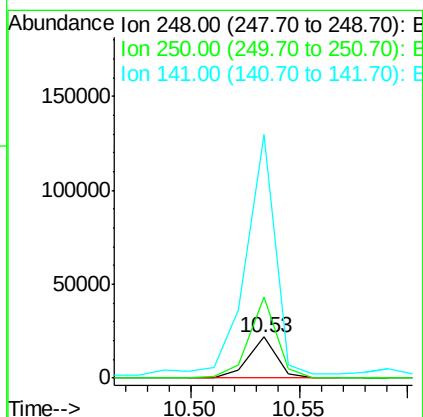
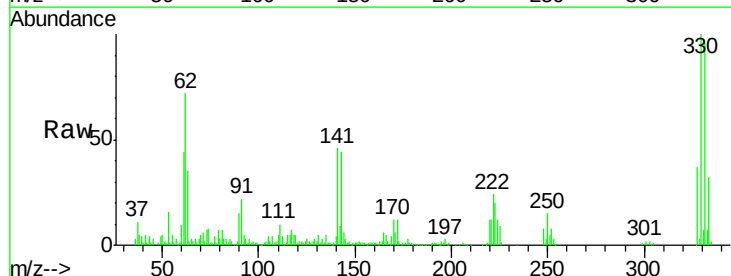
Instrument :
 BNA_F
 ClientSampled :

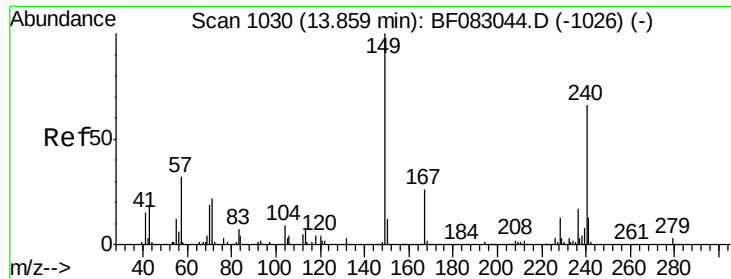
Tot Ion:188 Resp: 379175
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.0 13.4
 80 12.2 10.2 15.4



#66
 4-Bromophenyl-phenylether
 Concen: 4.48 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.24 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Tgt Ion:248 Resp: 19663
 Ion Ratio Lower Upper
 248 100
 250 196.6 76.1 114.1#
 141 594.9 79.2 118.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

Instrument :

BNA_F

ClientSampled :

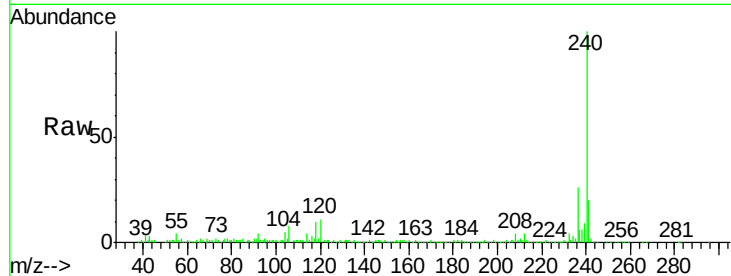
Tot Ion:240 Resp: 366517

Ion Ratio Lower Upper

240 100

120 11.1 5.3 7.9#

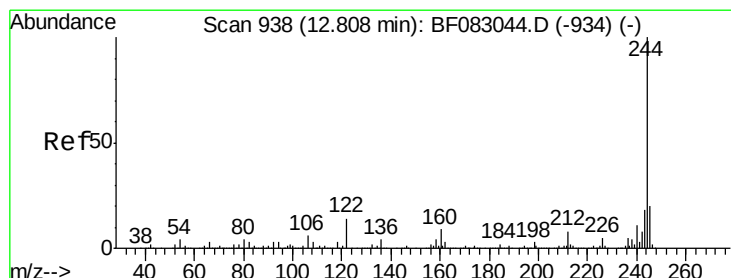
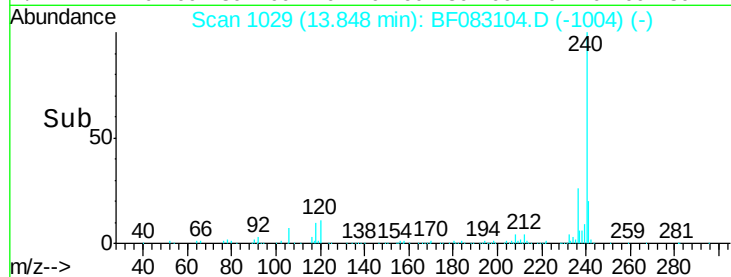
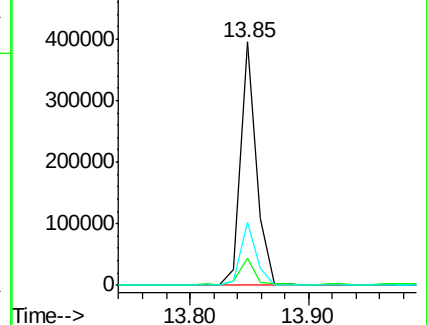
236 25.9 20.4 30.6



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: 48.63 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083104.D

Acq: 21 Nov 2015 5:00

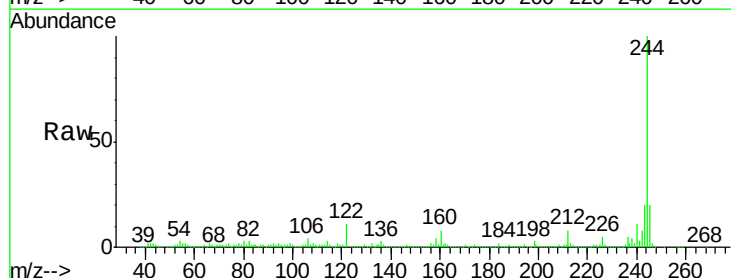
Tgt Ion:244 Resp: 754983

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

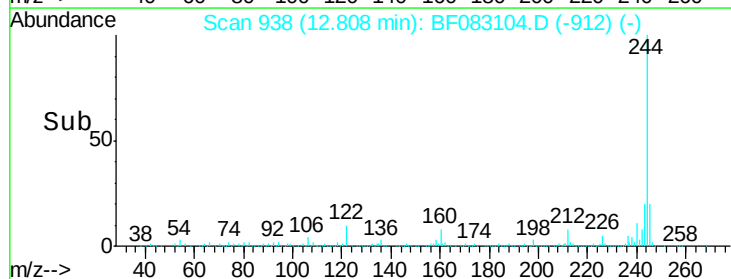
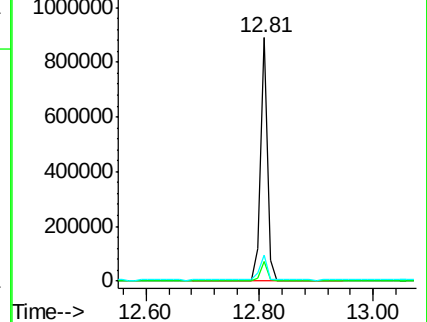
122 10.7 10.9 16.3#

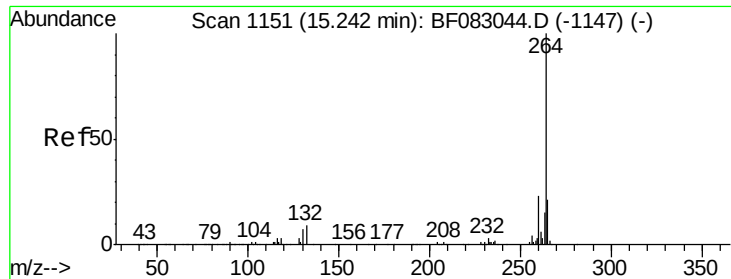


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

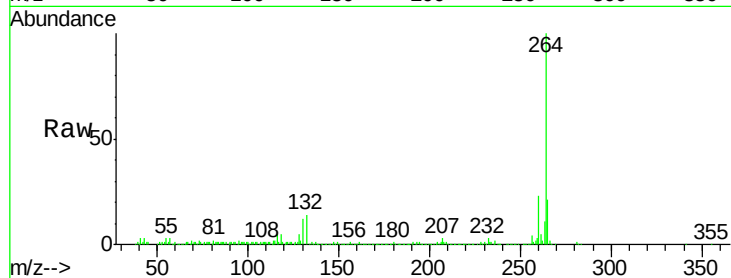




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083104.D
 Acq: 21 Nov 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	20.6	17.0	25.6



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

