

Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\
 Data File : BF077013.D
 Acq On : 22 Jan 2015 15:04
 Operator : TP/IZ
 Sample : PB81460BL
 Misc : S
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:12:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 21 14:45:53 2015
 Response via : Initial Calibration

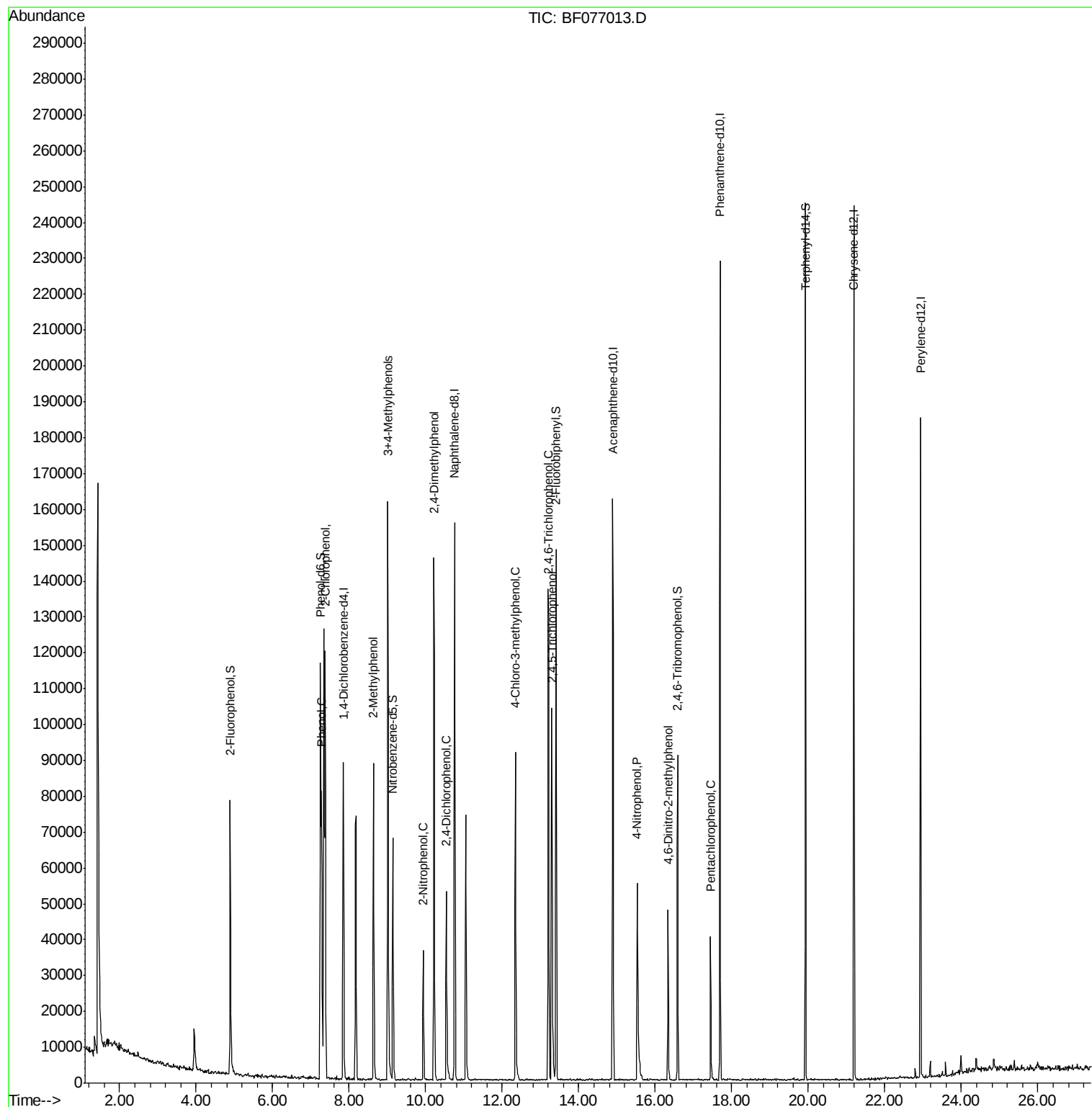
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	27110	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	122134	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	66721	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	111476	20.00	ng	0.00
75) Chrysene-d12	21.19	240	109302	20.00	ng	-0.01
86) Perylene-d12	22.93	264	94500	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	46427	28.16	ng	-0.01
7) Phenol-d6	7.25	99	62091	29.85	ng	-0.02
23) Nitrobenzene-d5	9.14	82	37894	17.19	ng	-0.02
41) 2,4,6-Tribromophenol	16.59	330	14760	27.25	ng	-0.01
44) 2-Fluorobiphenyl	13.41	172	80338	18.32	ng	-0.01
78) Terphenyl-d14	19.92	244	86676	18.26	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	7.37	128	53083	27.93	ng	99
10) Phenol	7.27	94	45910	20.79	ng	91
17) 2-Methylphenol	8.63	107	24074	15.50	ng	90
20) 3+4-Methylphenols	9.01	107	70808	34.42	ng	96
26) 2-Nitrophenol	9.93	139	11312	11.24	ng	# 90
27) 2,4-Dimethylphenol	10.21	122	43202	24.88	ng	95
29) 2,4-Dichlorophenol	10.54	162	20939	12.94	ng	93
36) 4-Chloro-3-methylphenol	12.34	107	33944	18.32	ng	98
42) 2,4,6-Trichlorophenol	13.21	196	34700	28.87	ng	95
43) 2,4,5-Trichlorophenol	13.29	196	35388	28.87	ng	97
55) 4-Nitrophenol	15.52	139	19723	26.59	ng	96
64) 4,6-Dinitro-2-methylphenol	16.33	198	9345	15.45	ng	89
69) Pentachlorophenol	17.44	266	7118	18.83	ng	96

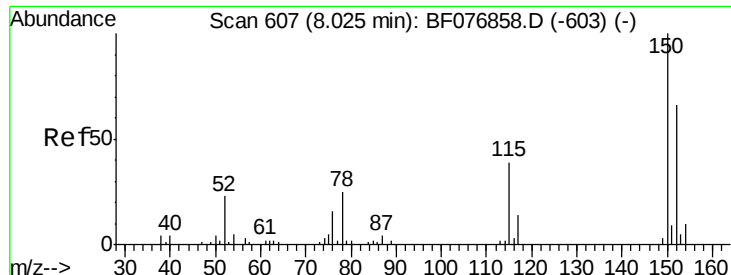
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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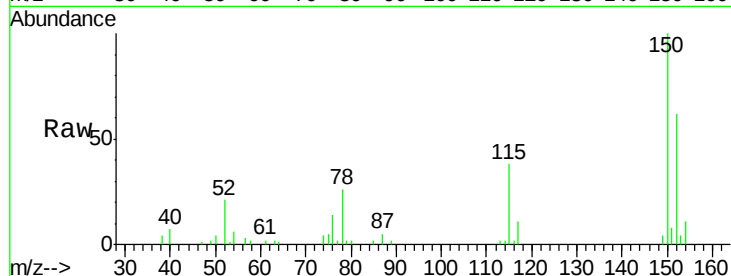


#1

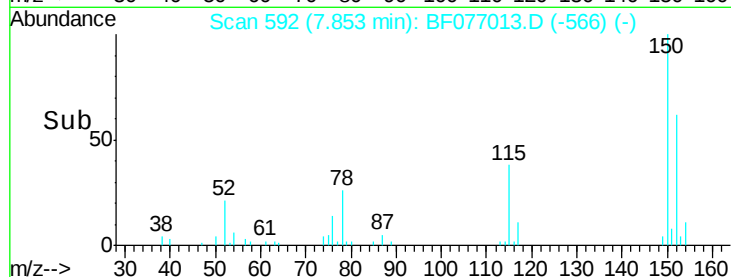
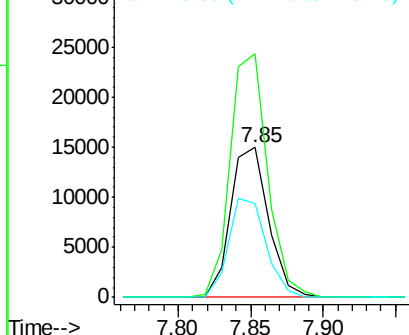
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 27110
Ion Ratio Lower Upper
152 100
150 162.4 121.7 182.5
115 62.4 47.0 70.6



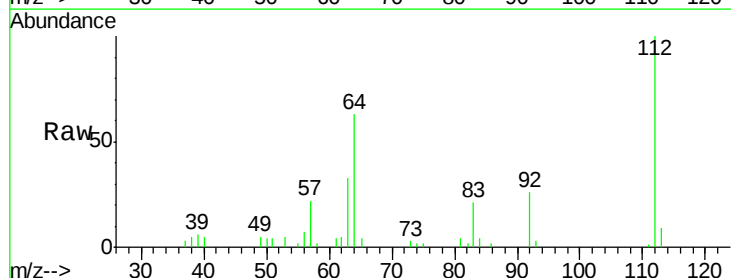
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



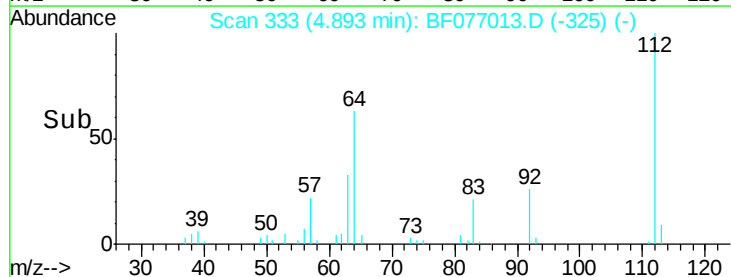
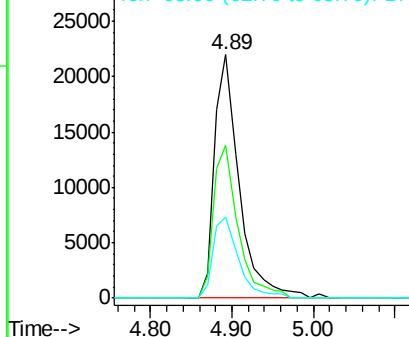
#5

2-Fluorophenol
Concen: 28.16 ng
RT: 4.89 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

Tgt Ion:112 Resp: 46427
Ion Ratio Lower Upper
112 100
64 62.7 54.2 81.4
63 33.1 28.4 42.6



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: 29.85 ng

RT: 7.25 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

Instrument :

BNA_F

ClientSampled :

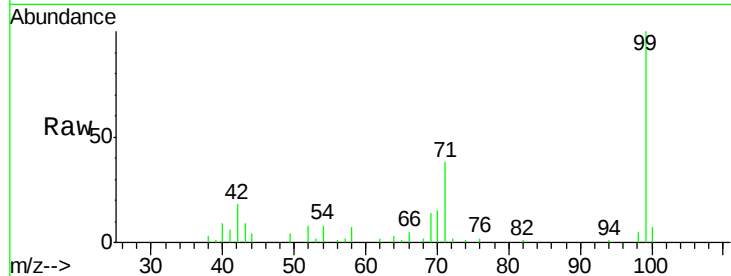
Tot Ion: 99 Resp: 62091

Ion Ratio Lower Upper

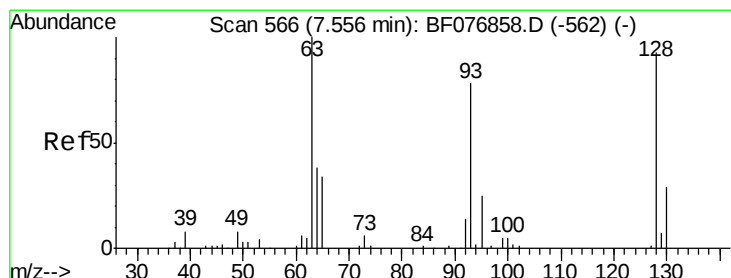
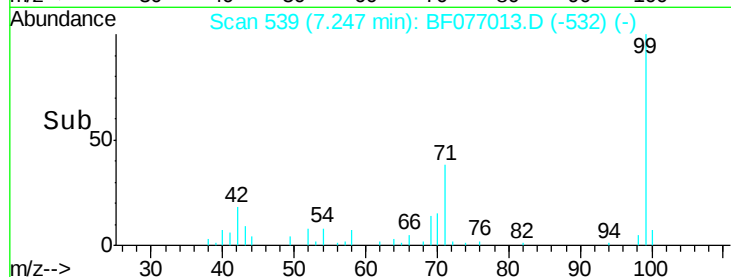
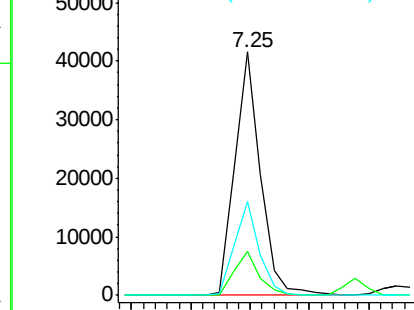
99 100

42 18.1 15.0 22.4

71 38.5 30.5 45.7



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



#8

2-Chlorophenol

Concen: 27.93 ng

RT: 7.37 min Scan# 550

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

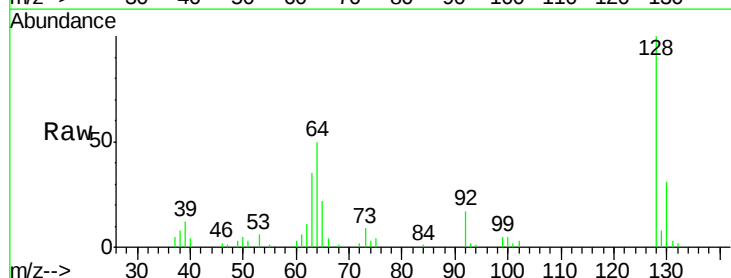
Tgt Ion: 128 Resp: 53083

Ion Ratio Lower Upper

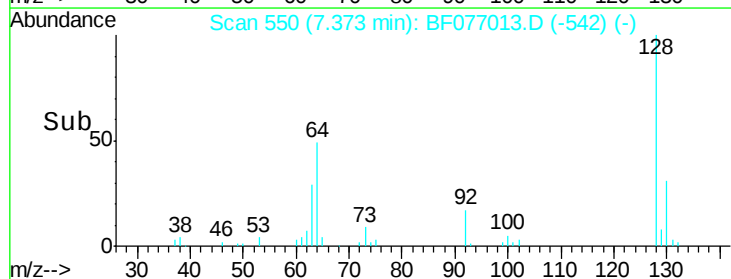
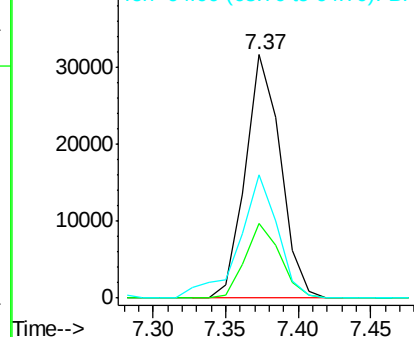
128 100

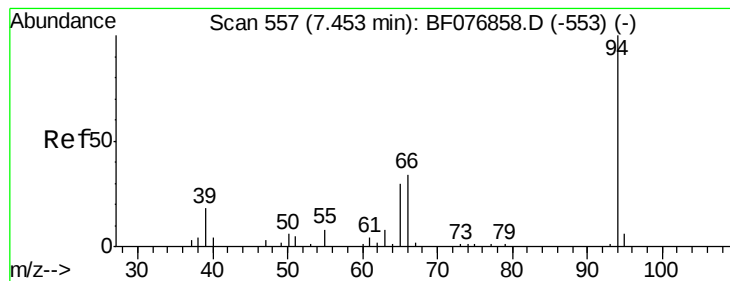
130 30.8 11.0 51.0

64 50.4 29.3 69.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 20.79 ng

RT: 7.27 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

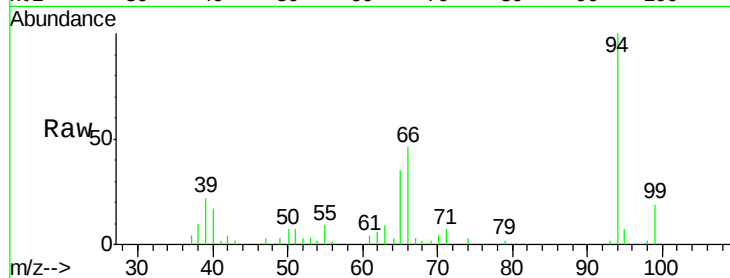
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 45910

Ion	Ratio	Lower	Upper
94	100		
65	34.7	11.3	51.3
66	46.3	19.5	59.5

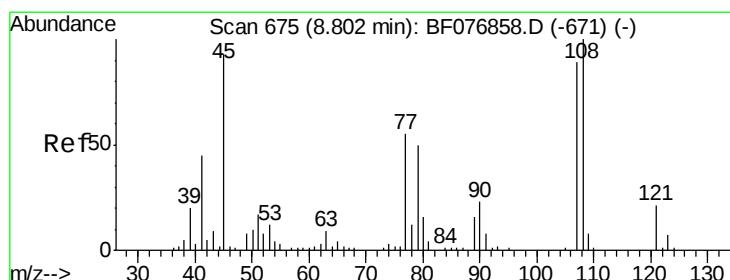
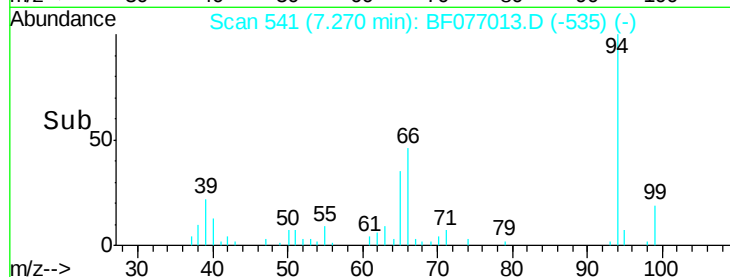
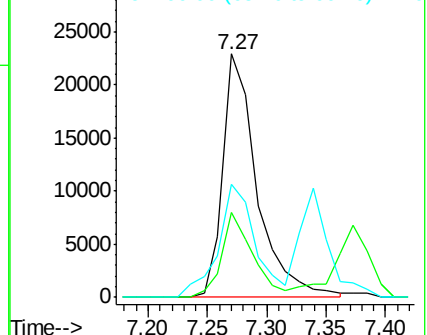


Abundance

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: 15.50 ng

RT: 8.63 min Scan# 660

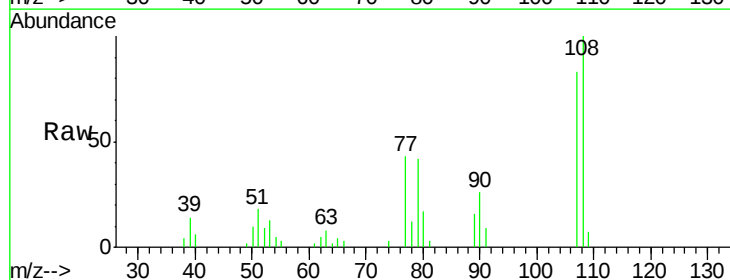
Delta R.T. -0.02 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

Tgt Ion: 107 Resp: 24074

Ion	Ratio	Lower	Upper
107	100		
108	120.1	89.7	134.5
77	51.3	50.1	75.1
79	50.3	45.0	67.6



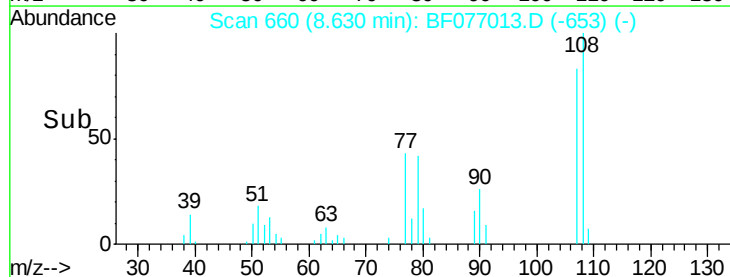
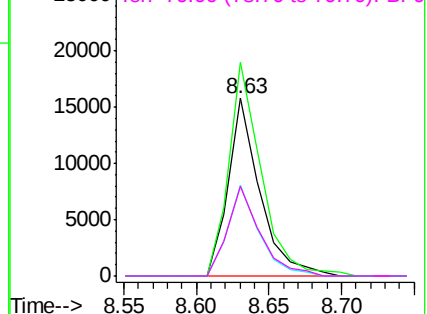
Abundance

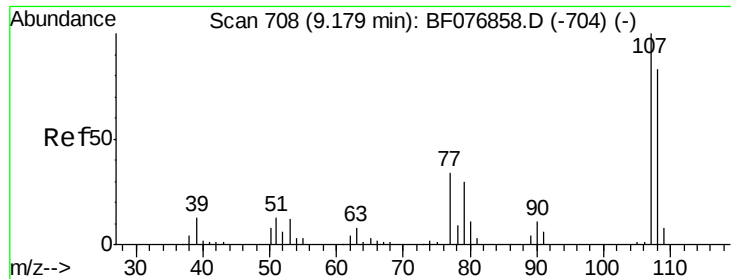
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

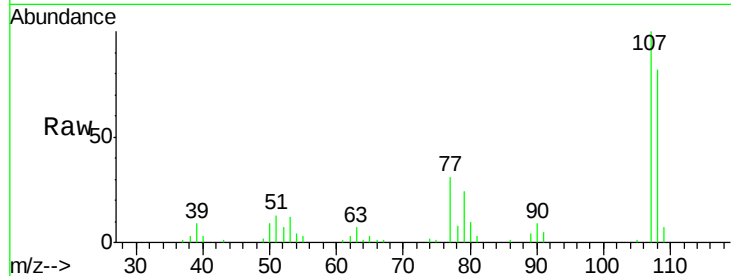




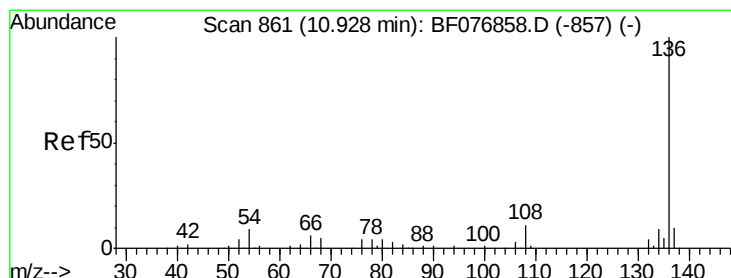
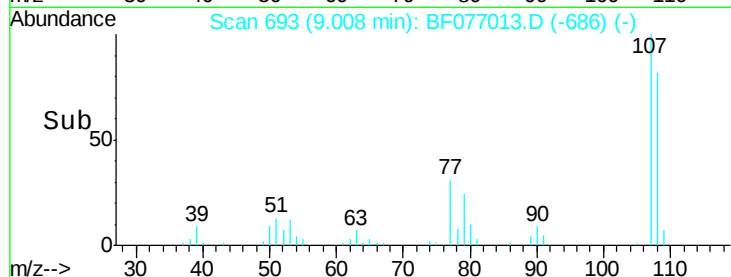
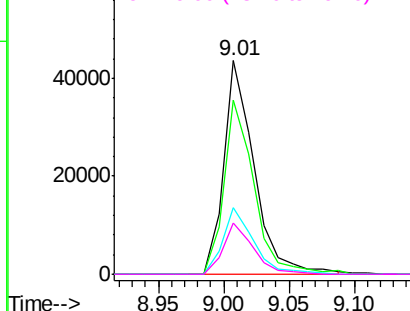
#20
3+4-Methylphenols
Concen: 34.42 ng
RT: 9.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	70808
Ion	Ratio	Lower	Upper
107	100		
108	81.7	63.5	103.5
77	31.5	14.0	54.0
79	23.7	9.9	49.9

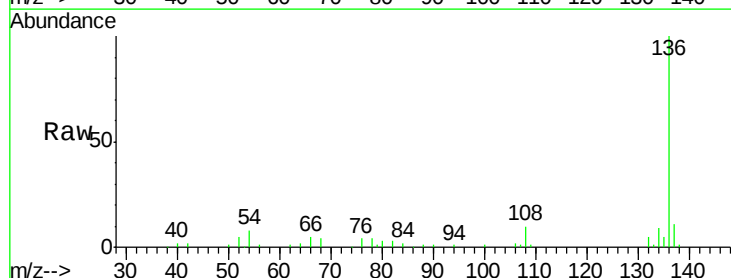


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

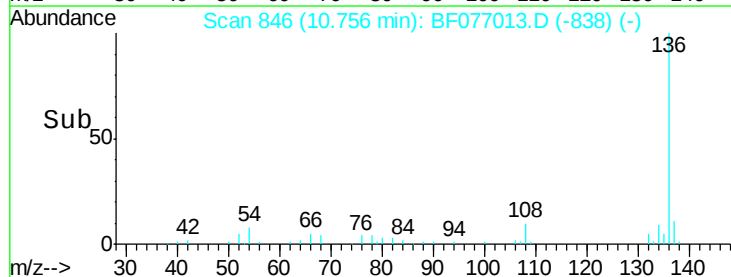
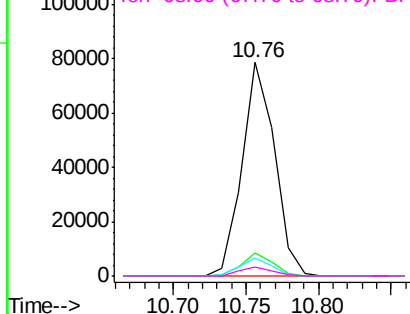


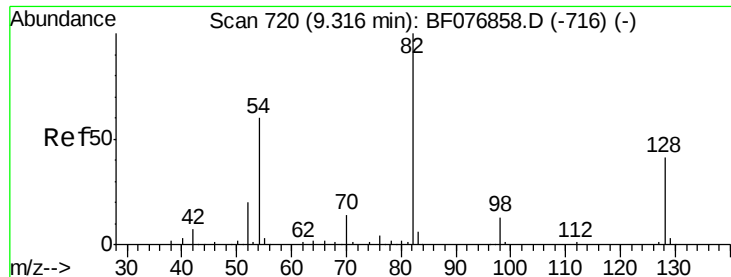
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

Tgt Ion:	136	Resp:	122134
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.1	12.1
54	8.2	7.0	10.4
68	4.4	3.7	5.5



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

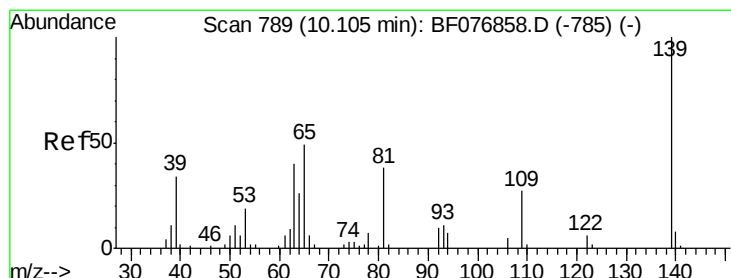
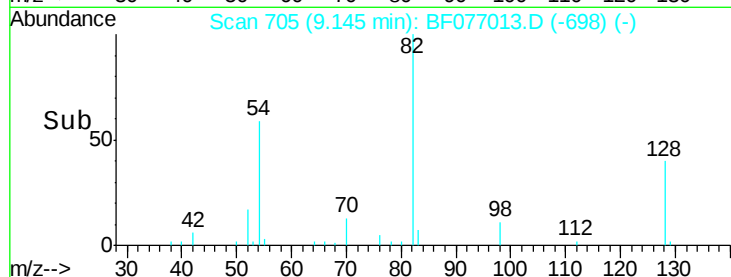
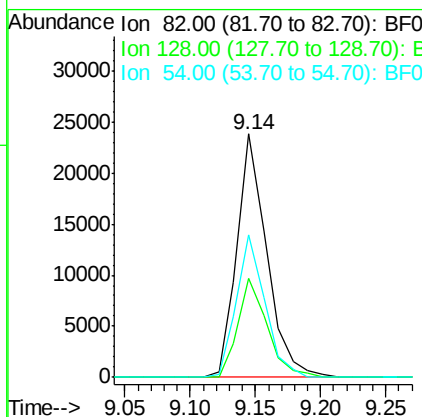
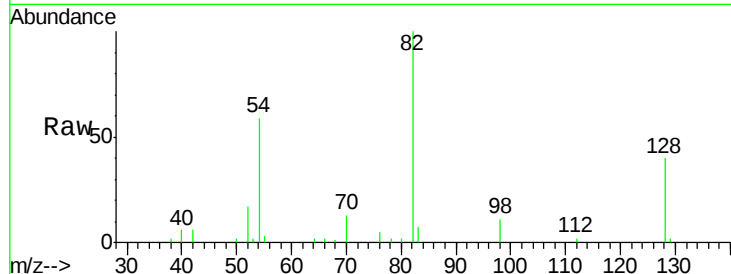




#23
 Nitrobenzene-d5
 Concen: 17.19 ng
 RT: 9.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

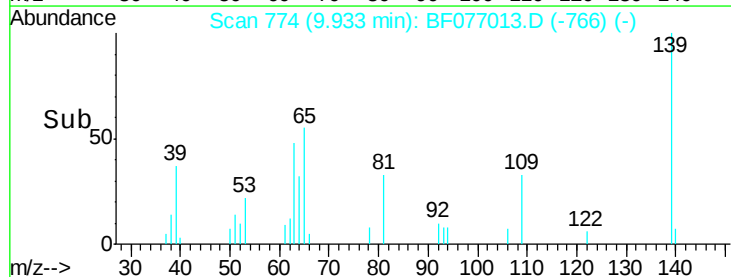
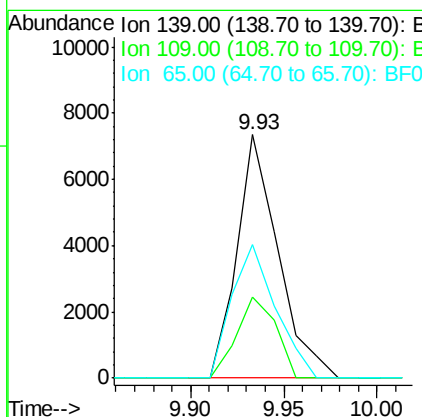
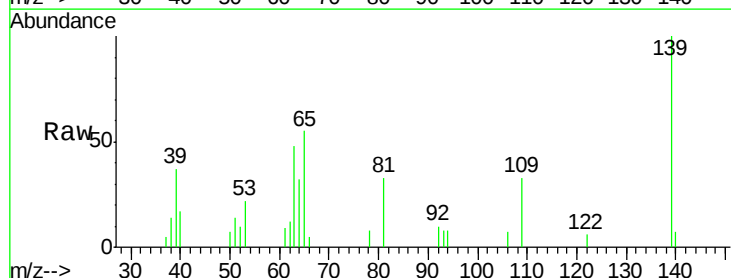
Instrument :
 BNA_F
 ClientSampled :

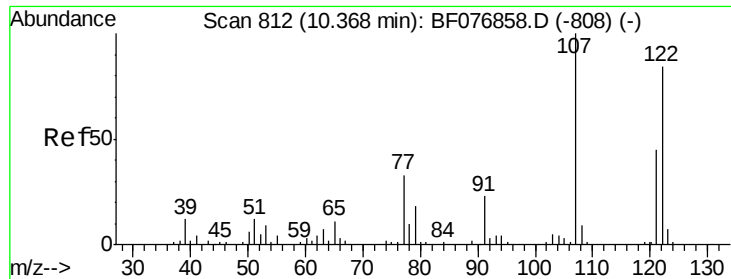
Tot Ion	82	Resp	37894
Ion Ratio	100	Lower	Upper
128	40.4	33.1	49.7
54	58.5	48.3	72.5



#26
 2-Nitrophenol
 Concen: 11.24 ng
 RT: 9.93 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Tgt Ion	139	Resp	11312
Ion Ratio	100	Lower	Upper
109	33.3	21.3	31.9#
65	55.0	39.4	59.0

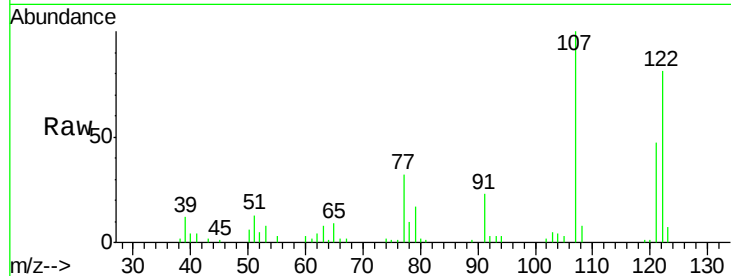




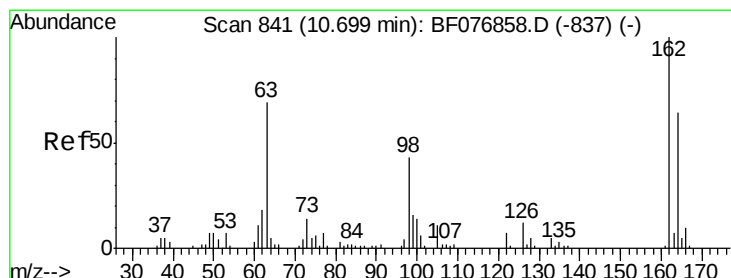
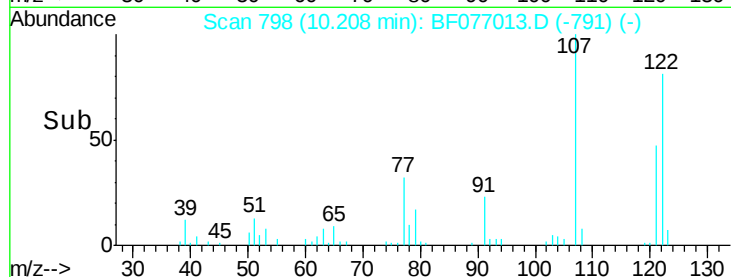
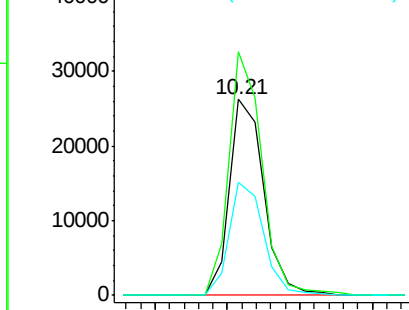
#27
 2,4-Dimethylphenol
 Concen: 24.88 ng
 RT: 10.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:122 Resp: 43202
 Ion Ratio Lower Upper
 122 100
 107 124.1 95.2 142.8
 121 57.8 42.9 64.3

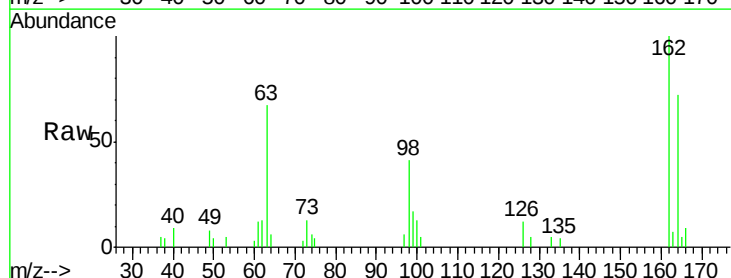


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

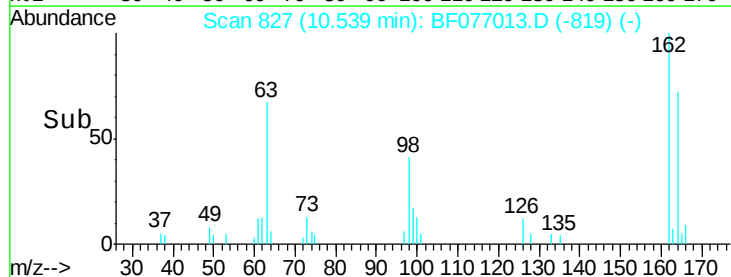
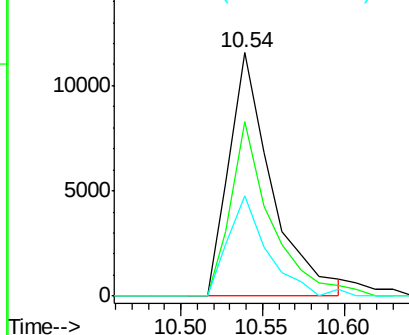


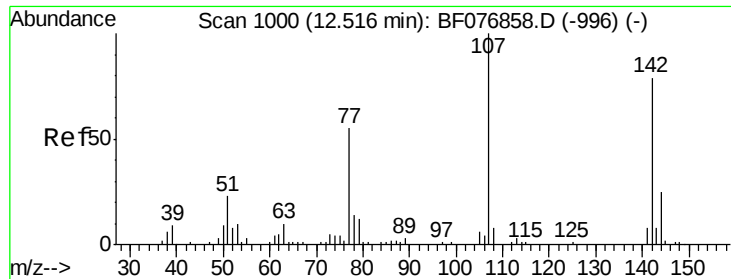
#29
 2,4-Dichlorophenol
 Concen: 12.94 ng
 RT: 10.54 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Tgt Ion:162 Resp: 20939
 Ion Ratio Lower Upper
 162 100
 164 71.8 43.8 83.8
 98 41.4 22.5 62.5



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

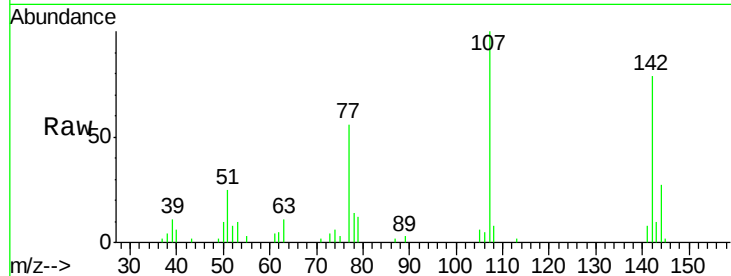




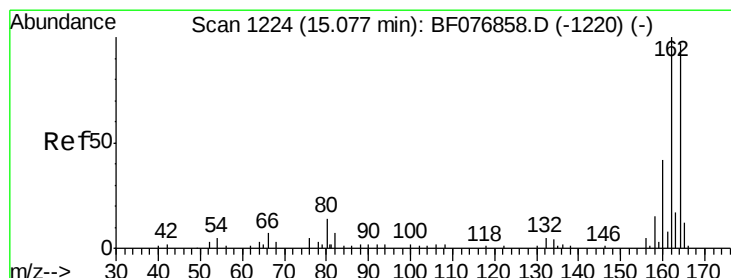
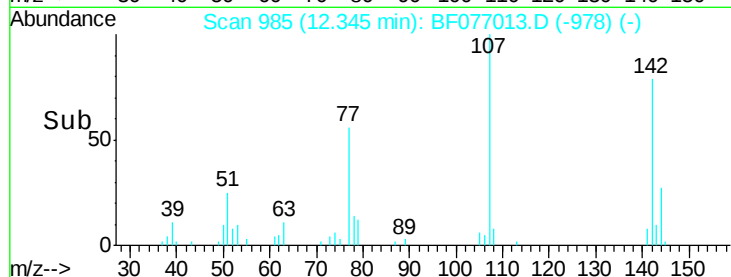
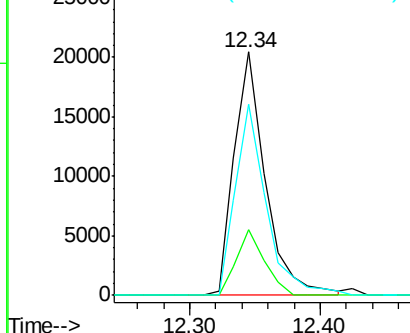
#36
 4-Chloro-3-methylphenol
 Concen: 18.32 ng
 RT: 12.34 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:107 Resp: 33944
 Ion Ratio Lower Upper
 107 100
 144 27.0 20.0 30.0
 142 78.6 63.5 95.3

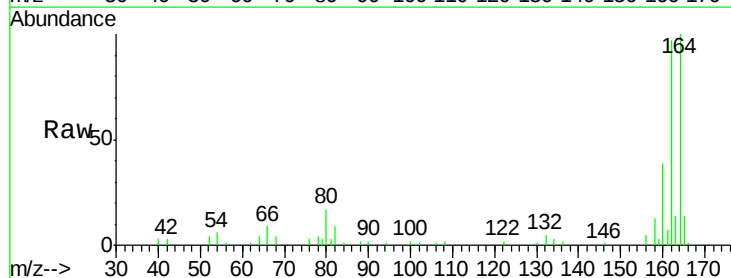


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

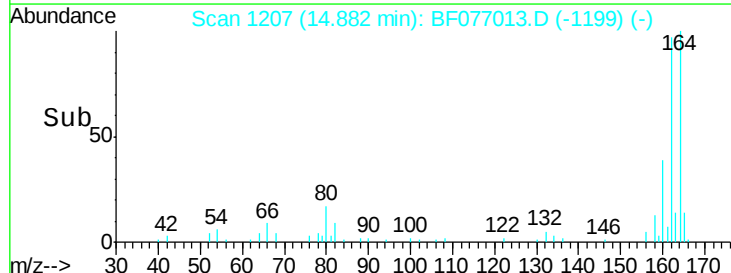
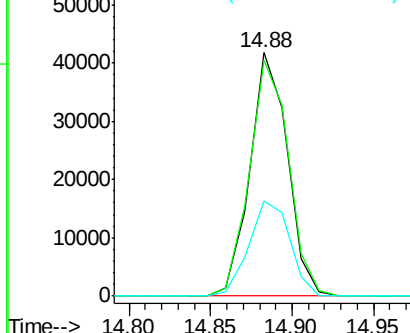


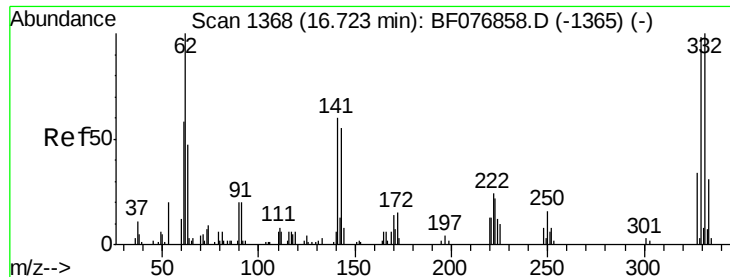
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Tgt Ion:164 Resp: 66721
 Ion Ratio Lower Upper
 164 100
 162 96.6 82.4 123.6
 160 39.3 34.8 52.2



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: 27.25 ng

RT: 16.59 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

Instrument :

BNA_F

ClientSampleId :

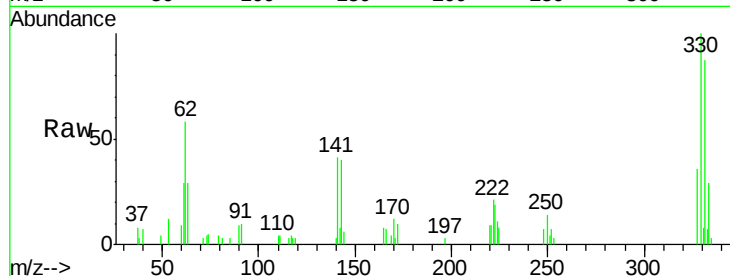
Tot Ion:330 Resp: 14760

Ion Ratio Lower Upper

330 100

332 93.1 77.8 116.6

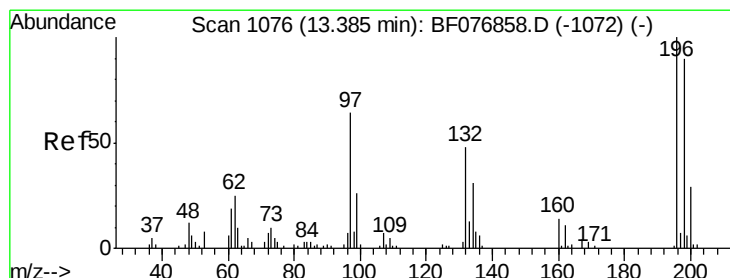
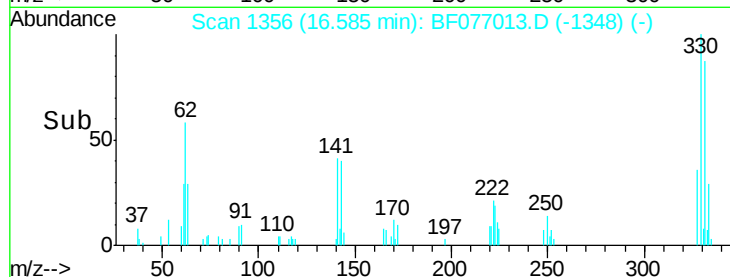
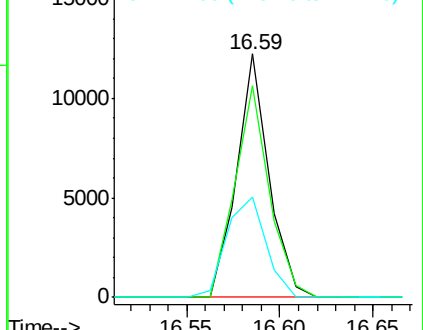
141 50.2 38.5 57.7



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



#42

2,4,6-Trichlorophenol

Concen: 28.87 ng

RT: 13.21 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

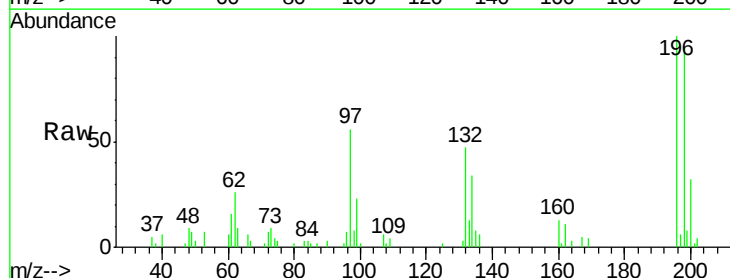
Tgt Ion:196 Resp: 34700

Ion Ratio Lower Upper

196 100

198 95.2 72.0 108.0

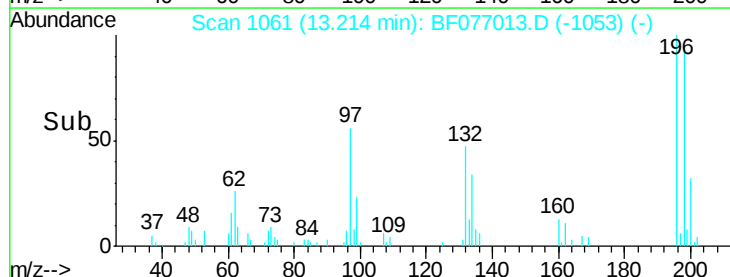
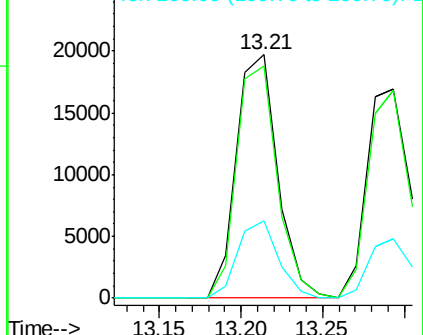
200 31.6 23.4 35.2

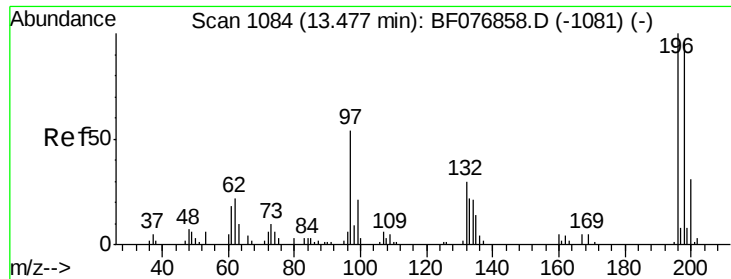


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

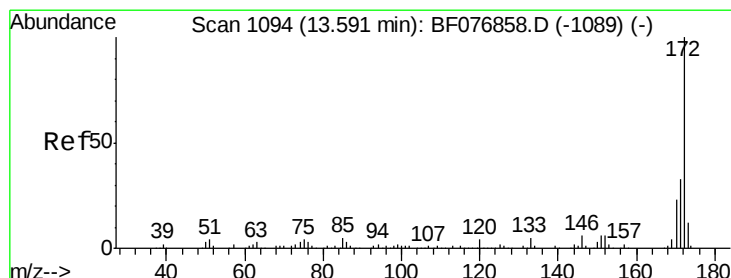
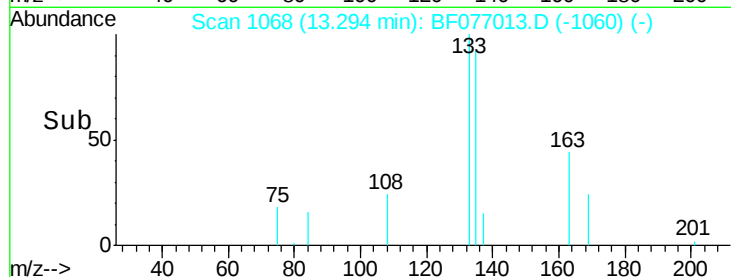
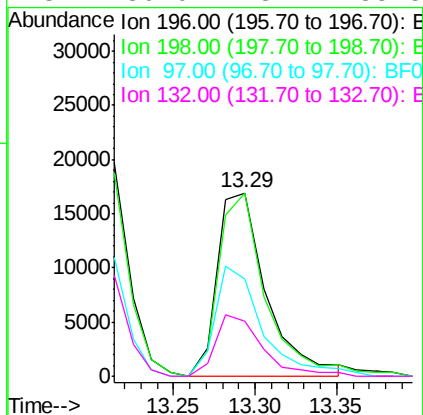
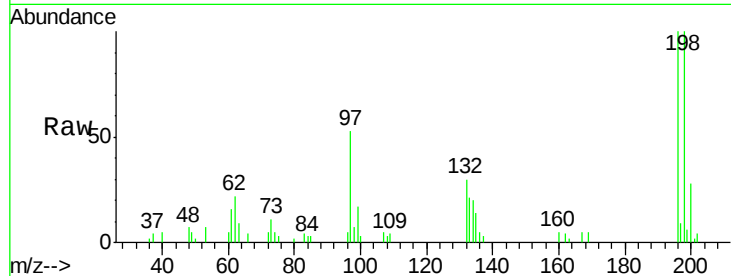




#43
 2,4,5-Trichlorophenol
 Concen: 28.87 ng
 RT: 13.29 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

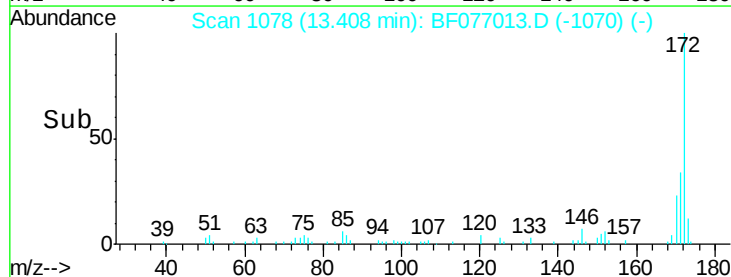
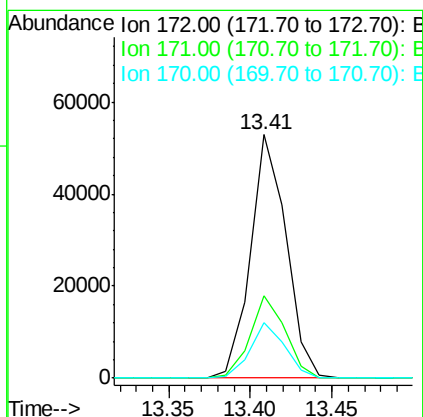
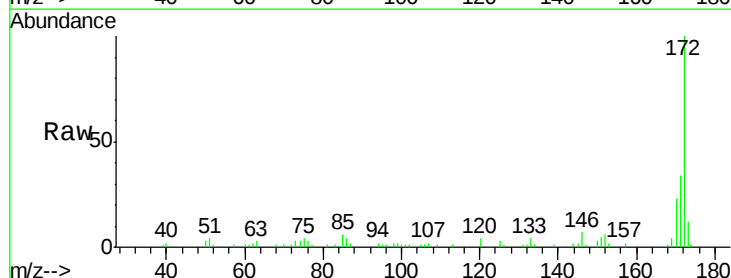
Instrument :
 BNA_F
 ClientSampleID :

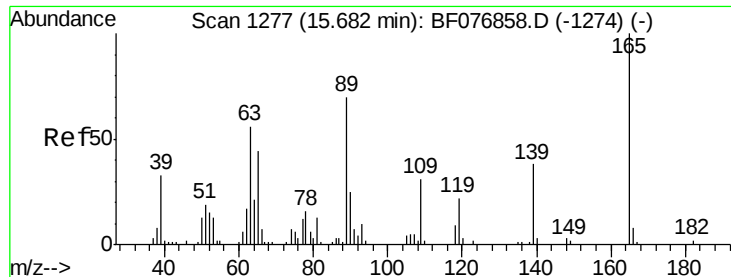
Tot Ion	196	Resp	35388
Ion Ratio	100	Lower	Upper
196	100	76.6	115.0
198	99.8	43.4	65.0
97	53.0	23.7	35.5
132	30.0		



#44
 2-Fluorobiphenyl
 Concen: 18.32 ng
 RT: 13.41 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Tgt Ion	172	Resp	80338
Ion Ratio	100	Lower	Upper
172	100	26.6	40.0
171	33.9	18.0	27.0
170	22.6		

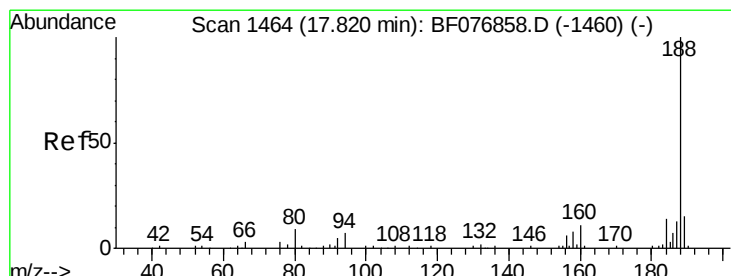
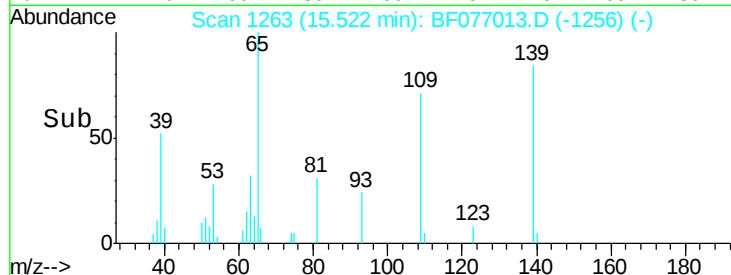
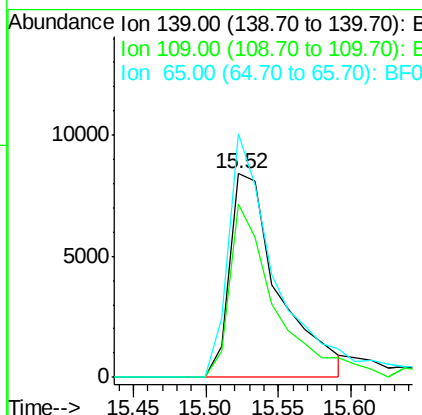
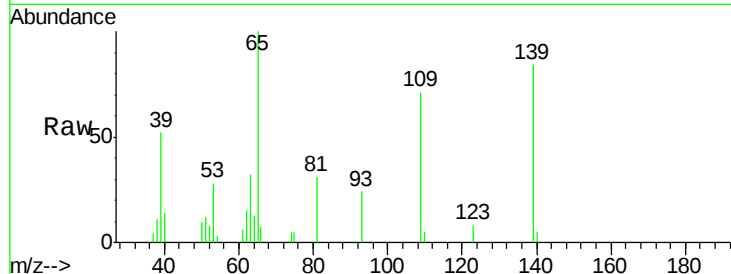




#55
4-Nitrophenol
Concen: 26.59 ng
RT: 15.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

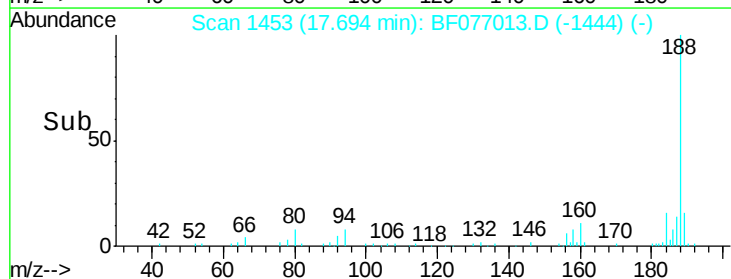
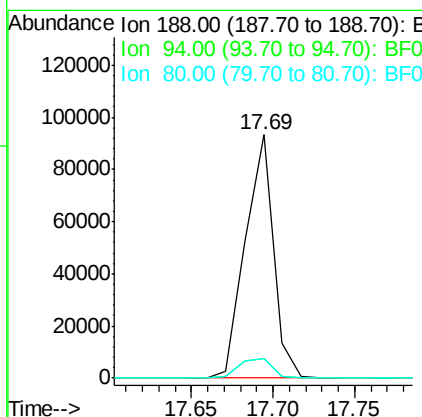
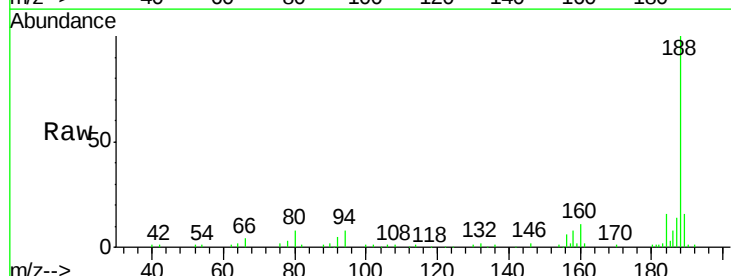
Instrument :
BNA_F
ClientSampleId :

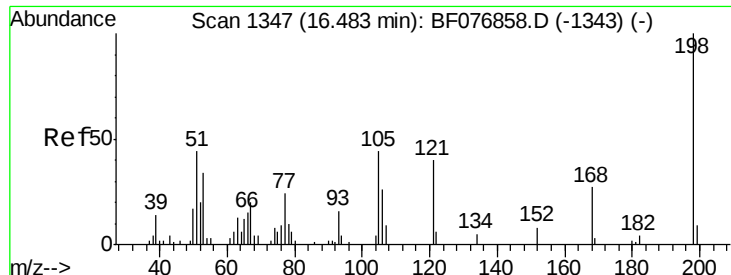
Tot Ion:139 Resp: 19723
Ion Ratio Lower Upper
139 100
109 85.1 61.0 101.0
65 119.7 96.6 136.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.69 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF077013.D
Acq: 22 Jan 2015 15:04

Tgt Ion:188 Resp: 111476
Ion Ratio Lower Upper
188 100
94 8.1 6.0 9.0
80 8.2 6.9 10.3





#64

4,6-Dinitro-2-methylphenol

Concen: 15.45 ng

RT: 16.33 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

Instrument :

BNA_F

ClientSampled :

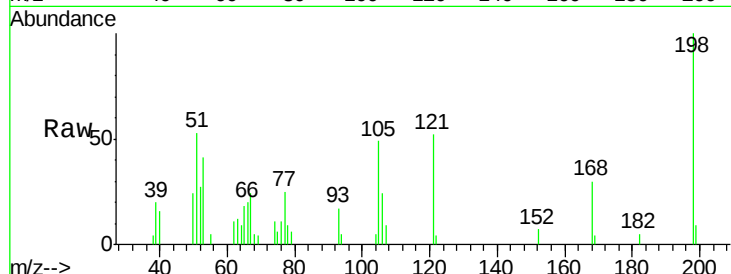
Tot Ion:198 Resp: 9345

Ion	Ratio	Lower	Upper
198	100		
51	53.4	24.2	64.2
105	48.9	24.0	64.0

198 100

51 53.4 24.2 64.2

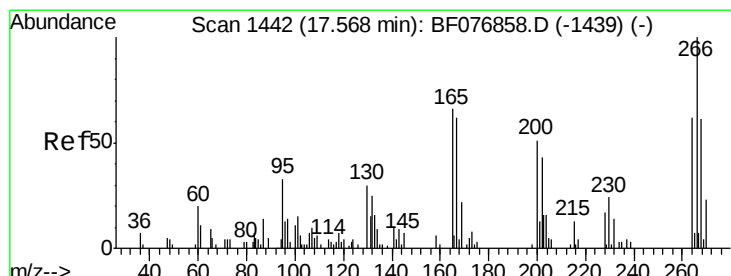
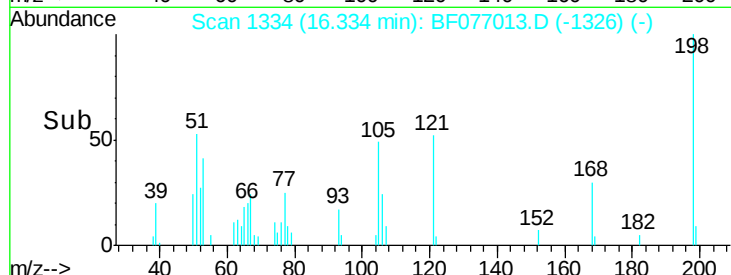
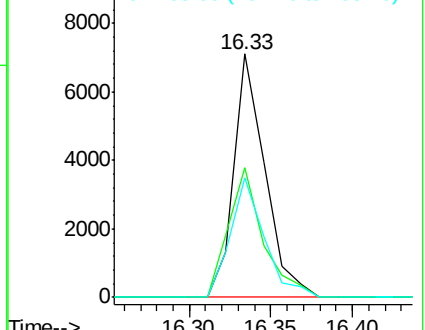
105 48.9 24.0 64.0



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



#69

Pentachlorophenol

Concen: 18.83 ng

RT: 17.44 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

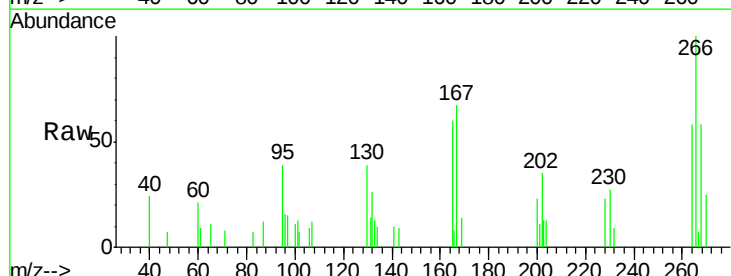
Tgt Ion:266 Resp: 7118

Ion	Ratio	Lower	Upper
266	100		
268	58.0	48.6	72.8
264	57.7	49.5	74.3

266 100

268 58.0 48.6 72.8

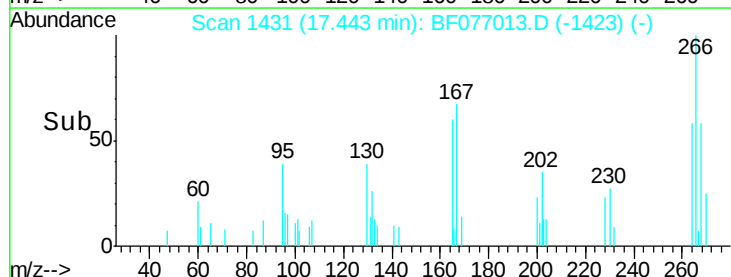
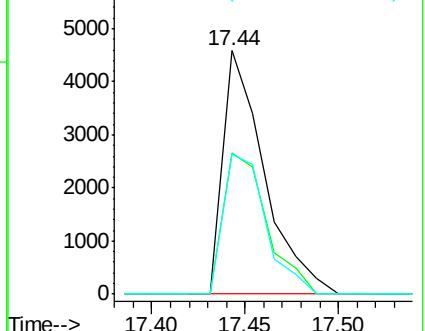
264 57.7 49.5 74.3

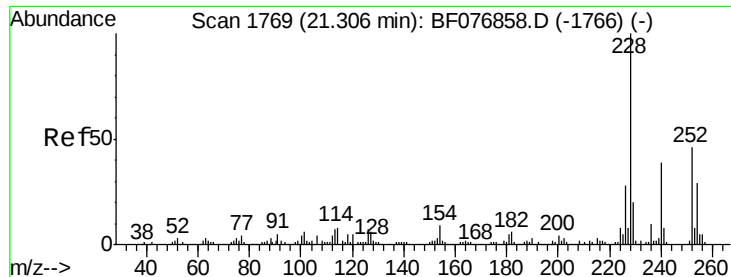


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.19 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

Instrument :

BNA_F

ClientSampleId :

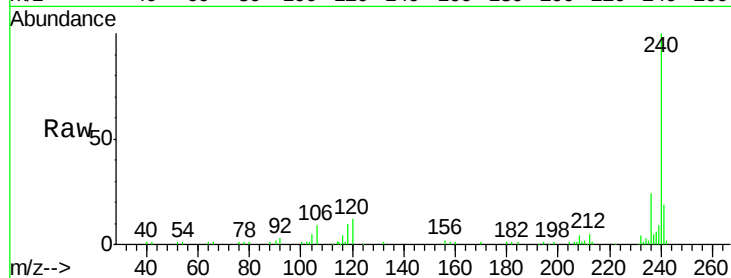
Tot Ion:240 Resp: 109302

Ion Ratio Lower Upper

240 100

120 12.3 10.4 15.6

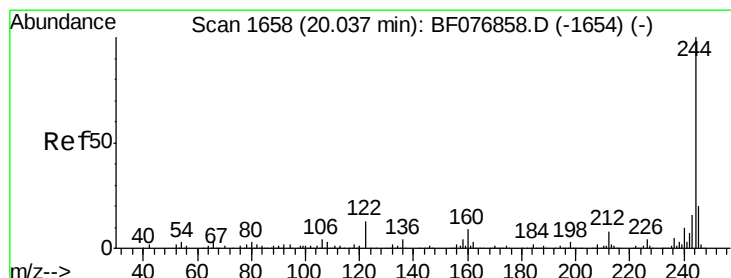
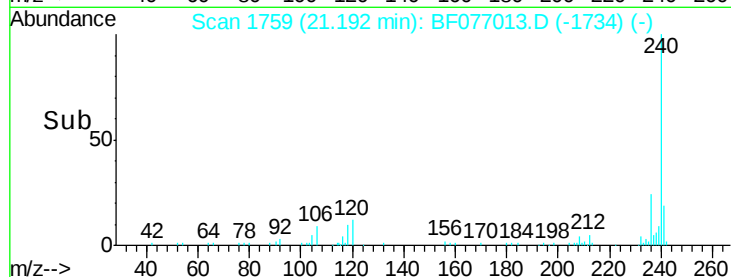
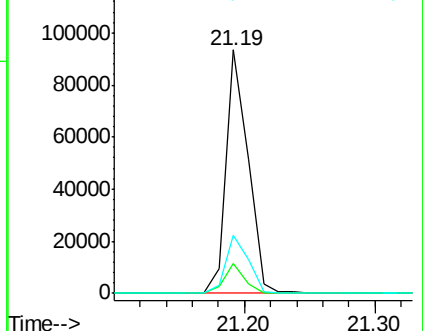
236 23.8 20.2 30.2



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: 18.26 ng

RT: 19.92 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BF077013.D

Acq: 22 Jan 2015 15:04

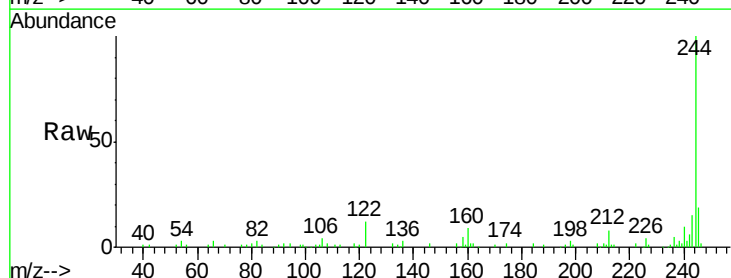
Tgt Ion:244 Resp: 86676

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

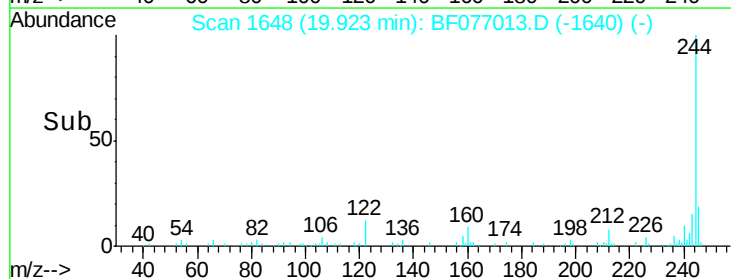
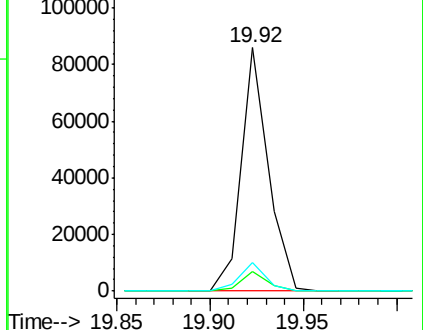
122 11.7 10.1 15.1

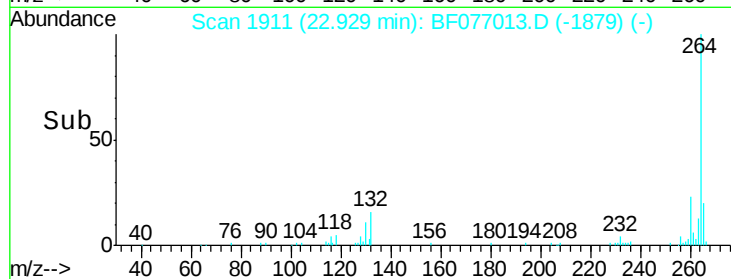
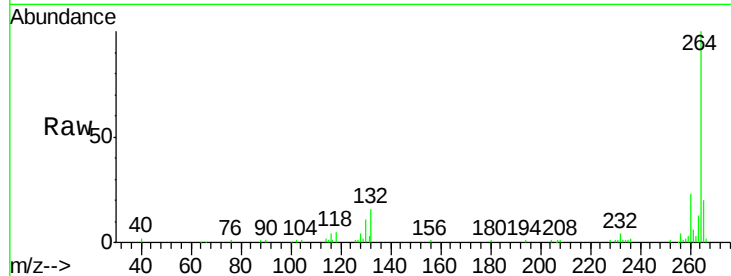
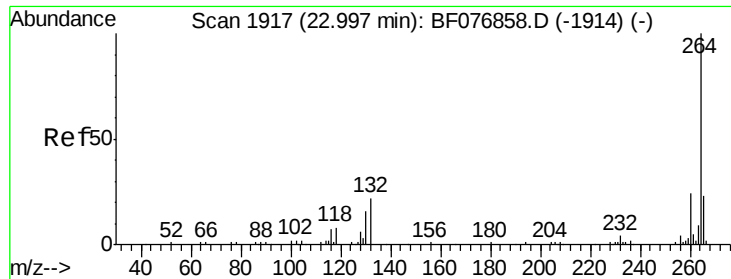


Abundance Ion 244.00 (243.70 to 244.70): E

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: 22.93 min Scan# 1911
 Delta R.T. 0.07 min
 Lab File: BF077013.D
 Acq: 22 Jan 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	20.1	18.1	27.1

