

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
 Data File : BF086087.D
 Acq On : 5 Apr 2016 21:28
 Operator : UM/SJ
 Sample : H2028-02RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W2DAY1RE

Quant Time: Apr 06 00:53:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

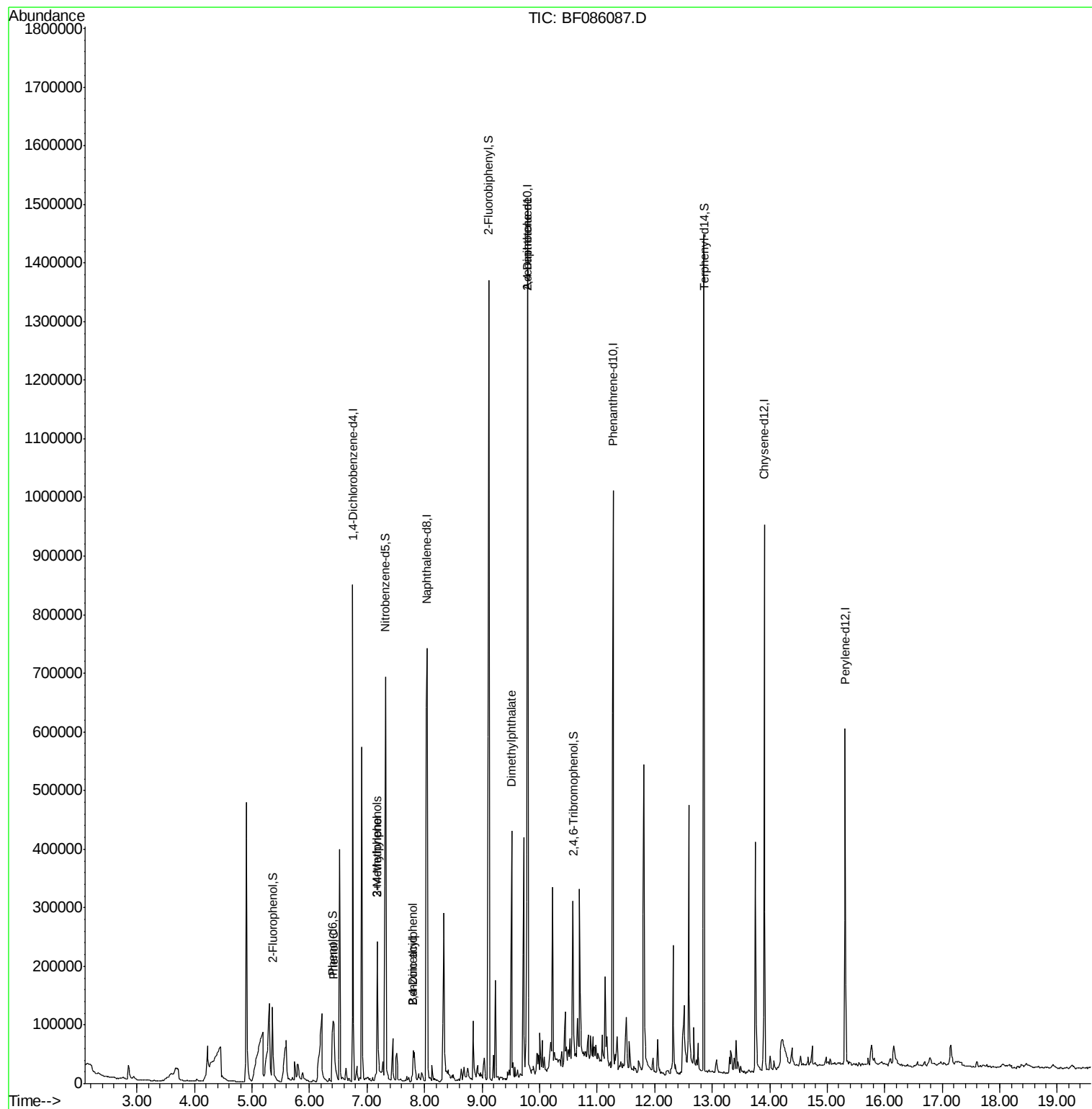
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	124031	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	487306	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	234057	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	447682	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	317706	20.00	ng	-0.02
86) Perylene-d12	15.31	264	245317	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	61856	8.52	ng	-0.01
7) Phenol-d6	6.41	99	56652	6.15	ng	-0.01
23) Nitrobenzene-d5	7.32	82	269283	32.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	29416	13.39	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	468945	33.31	ng	-0.02
78) Terphenyl-d14	12.85	244	399616	29.57	ng	-0.02
Target Compounds						
10) Phenol	6.42	94	21965	2.09	ng	Qvalue 96
17) 2-Methylphenol	7.17	107	95034	13.93	ng	# 71
20) 3+4-Methylphenols	7.17	107	96414	11.62	ng	# 55
27) 2,4-Dimethylphenol	7.80	122	21403	2.76	ng	# 3
32) Benzoic acid	7.80	122	21403	3.76	ng	93
49) Dimethylphthalate	9.52	163	199754	11.51	ng	98
56) 2,4-Dinitrotoluene	9.79	165	29635	6.39	ng	# 55

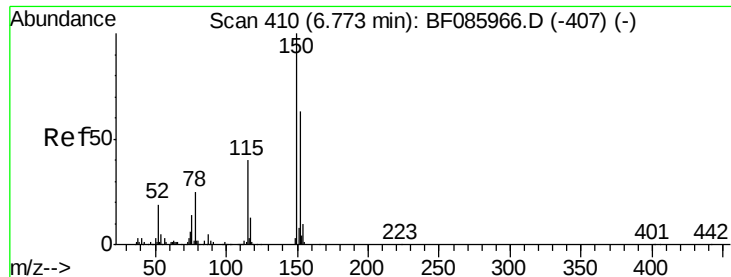
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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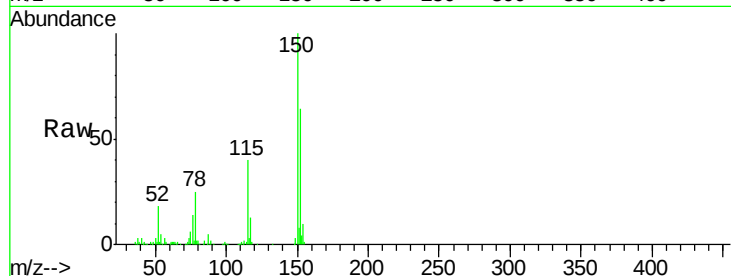


#1

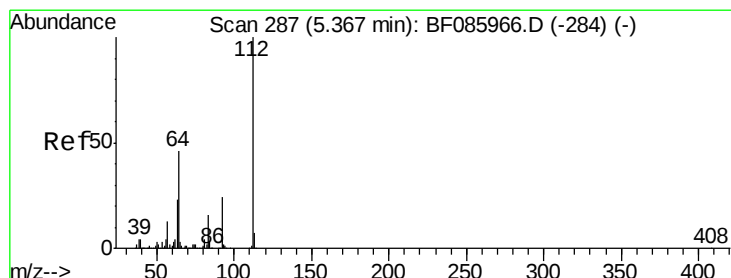
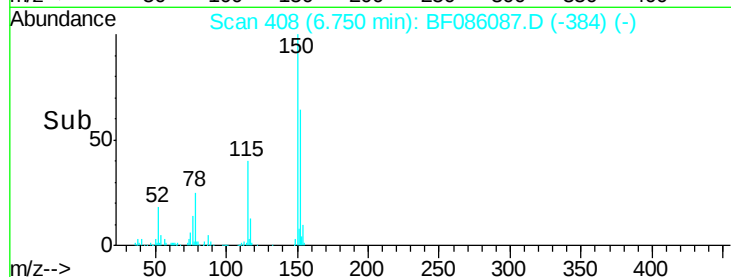
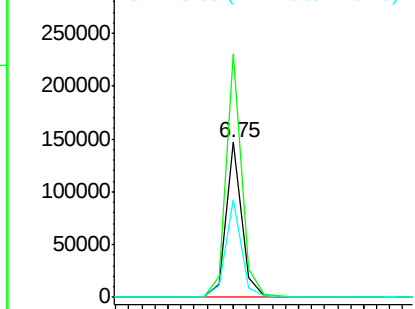
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086087.D
Acq: 5 Apr 2016 21:28

Instrument :
BNA_F
ClientSampleId :
W2DAY1RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.2
115	62.9	47.0	70.6



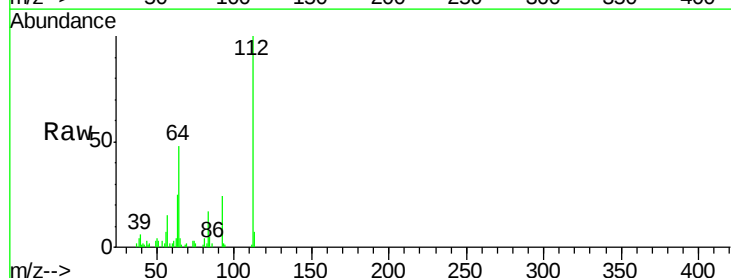
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



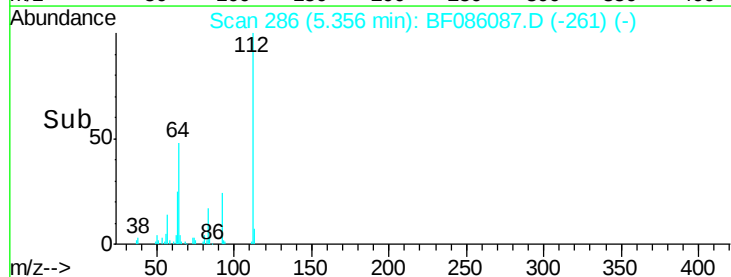
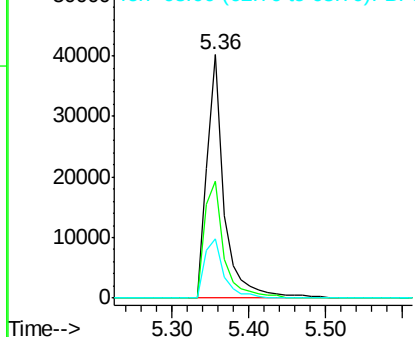
#5

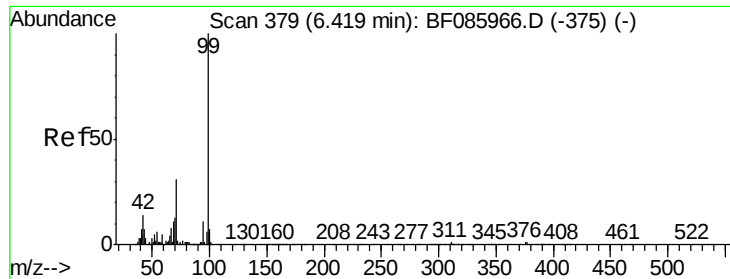
2-Fluorophenol
Concen: 8.52 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.01 min
Lab File: BF086087.D
Acq: 5 Apr 2016 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	39.9	59.9
63	24.6	20.2	30.2



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: 6.15 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Instrument :

BNA_F

ClientSampleId :

W2DAY1RE

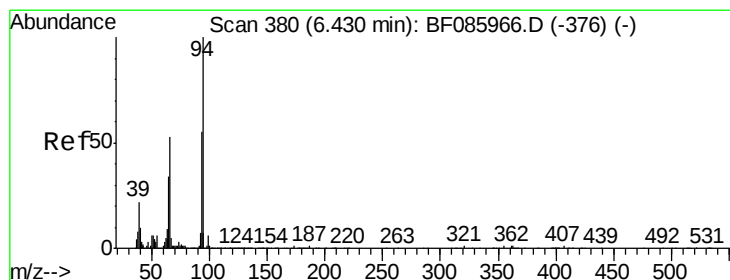
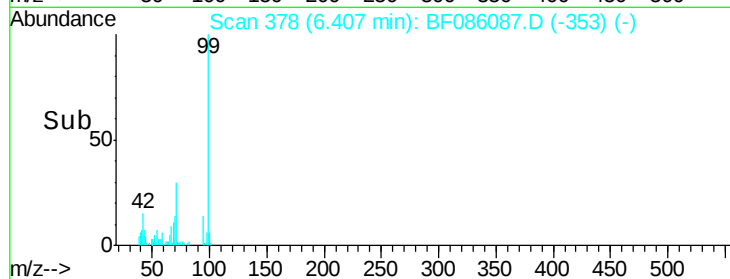
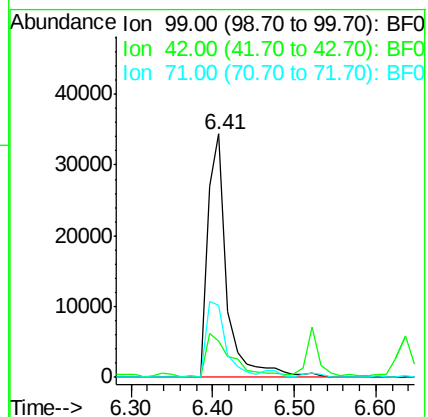
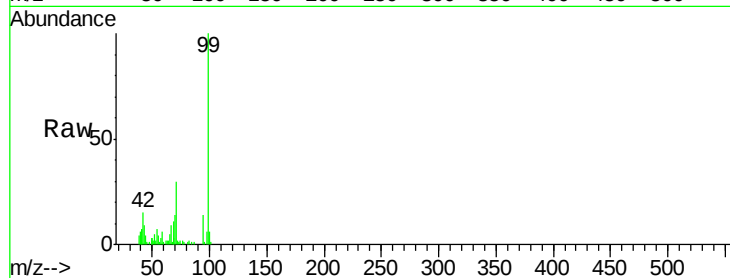
Tgt Ion: 99 Resp: 56652

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

71 29.8 24.9 37.3



#10

Phenol

Concen: 2.09 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

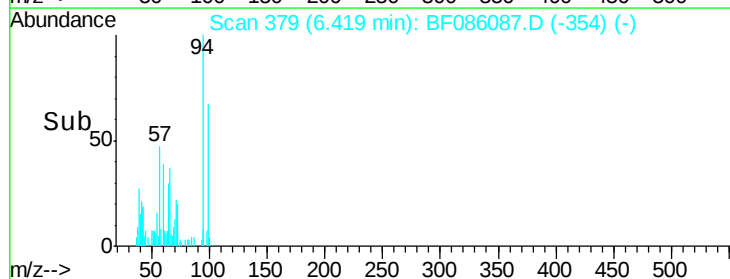
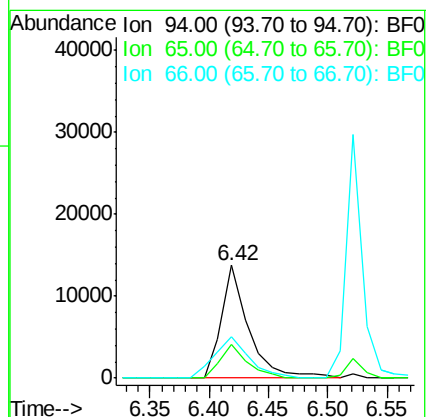
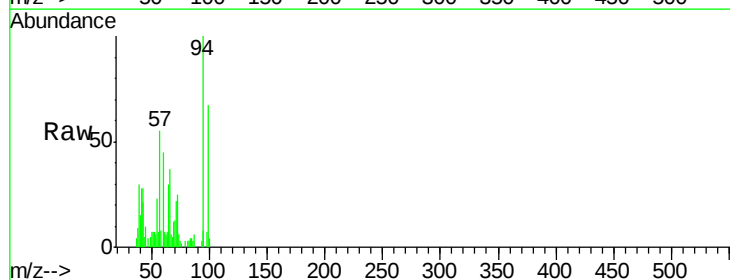
Tgt Ion: 94 Resp: 21965

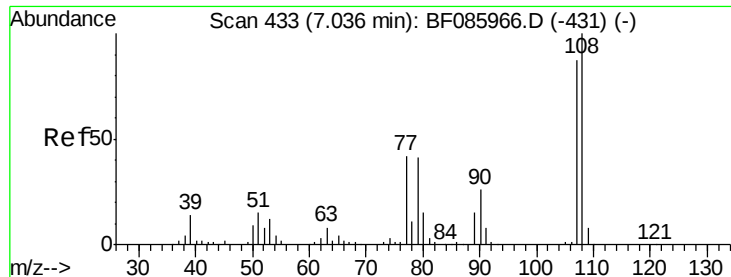
Ion Ratio Lower Upper

94 100

65 29.8 8.6 48.6

66 36.7 20.0 60.0





#17

2-Methylphenol

Concen: 13.93 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.14 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Instrument :

BNA_F

ClientSampleId :

W2DAY1RE

Tgt Ion:107 Resp: 95034

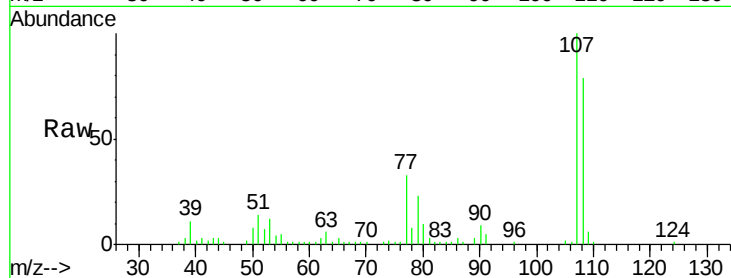
Ion Ratio Lower Upper

107 100

108 79.3 91.4 137.0#

77 33.5 36.2 54.2#

79 22.6 35.8 53.8#



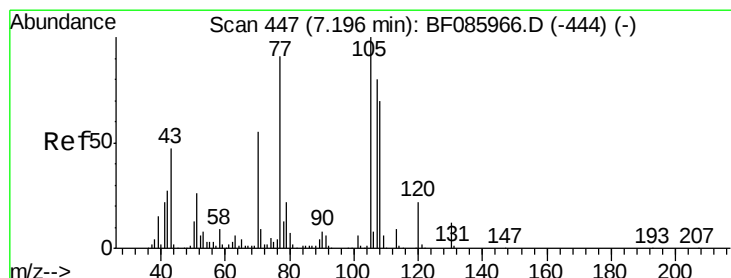
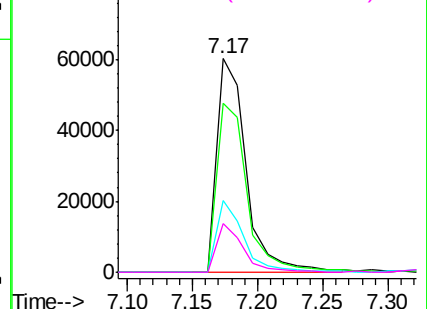
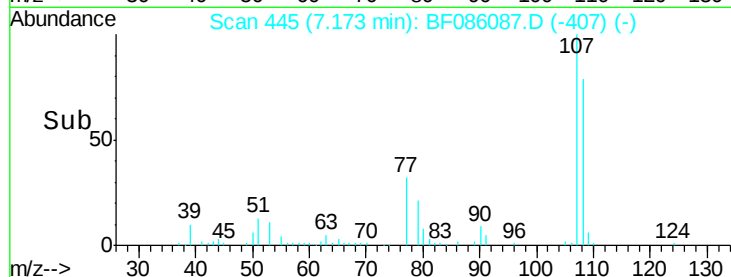
Abundance

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: 11.62 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Tgt Ion:107 Resp: 96414

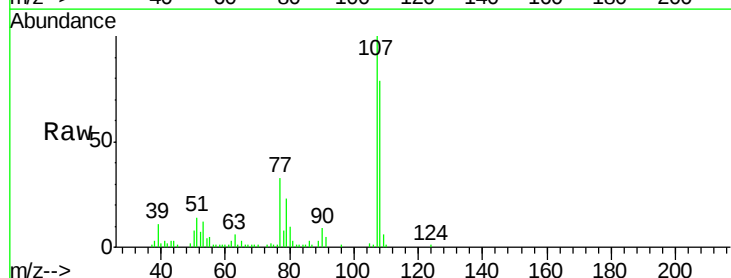
Ion Ratio Lower Upper

107 100

108 79.3 69.3 109.3

77 33.5 101.7 141.7#

79 22.6 8.3 48.3



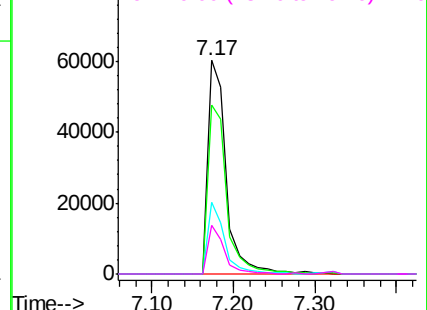
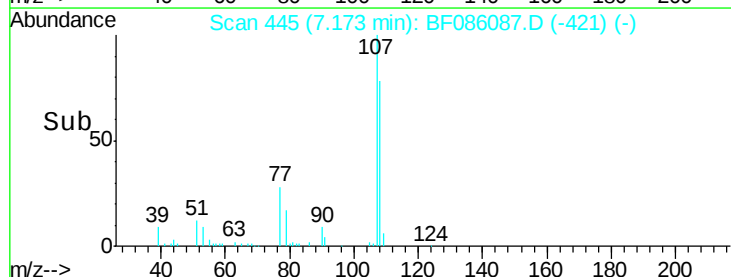
Abundance

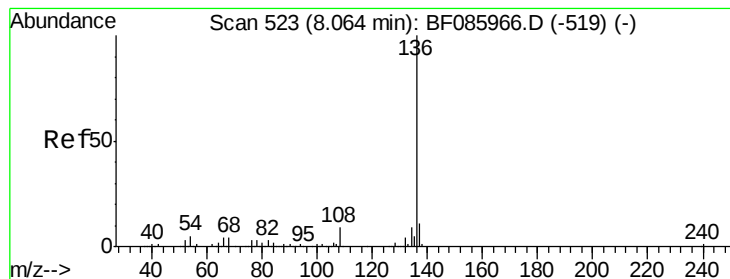
Ion 107.00 (106.70 to 107.70): E

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: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Instrument :

BNA_F

ClientSampleId :

W2DAY1RE

Tgt Ion:136 Resp: 487306

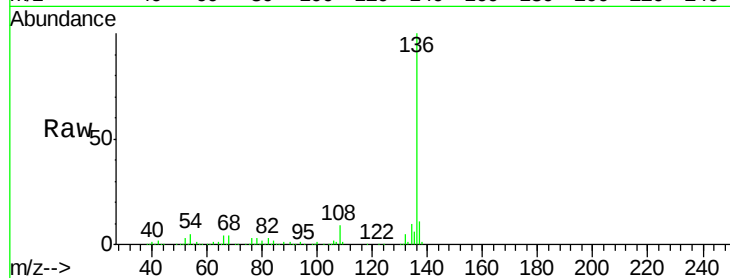
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 4.9 7.4 11.0#

68 4.5 5.8 8.8#

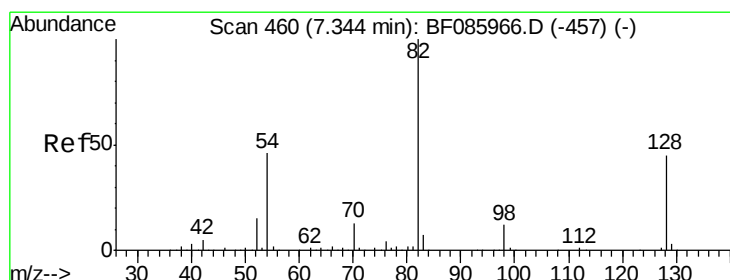
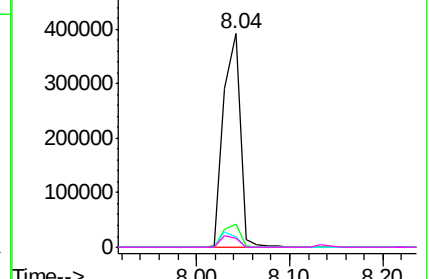
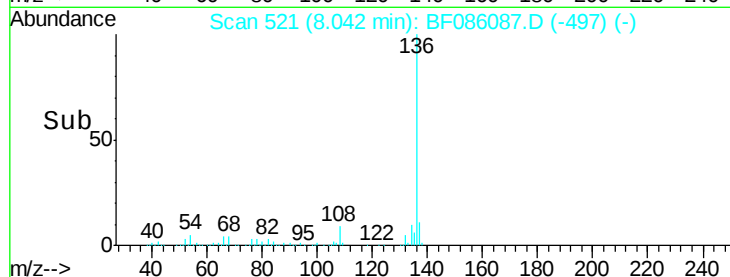


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.59 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

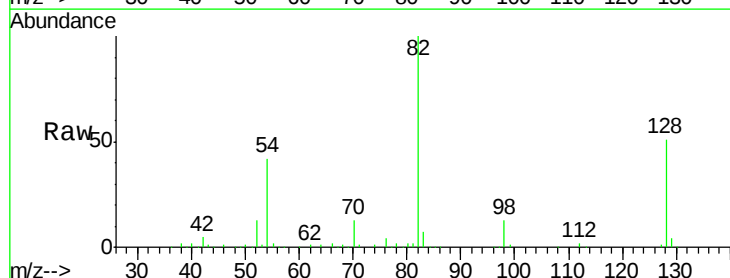
Tgt Ion: 82 Resp: 269283

Ion Ratio Lower Upper

82 100

128 51.1 41.8 62.8

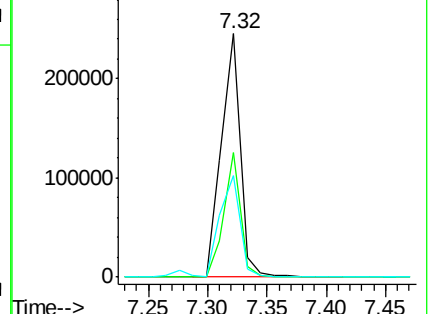
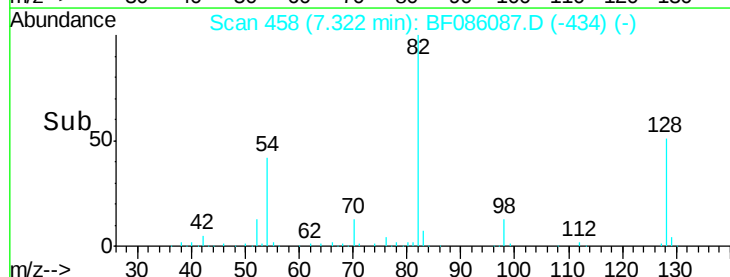
54 41.9 33.4 50.0

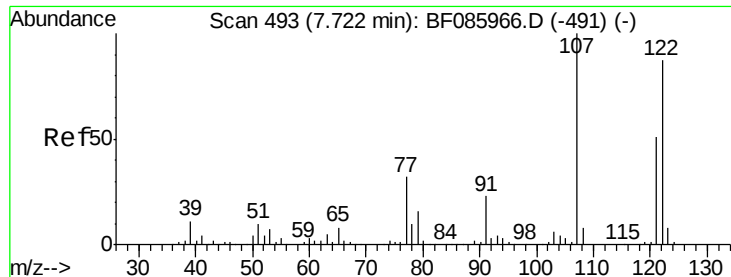


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

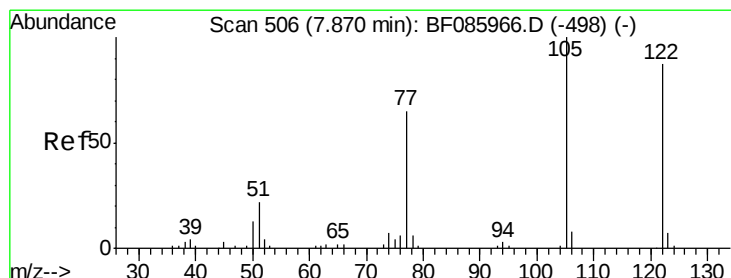
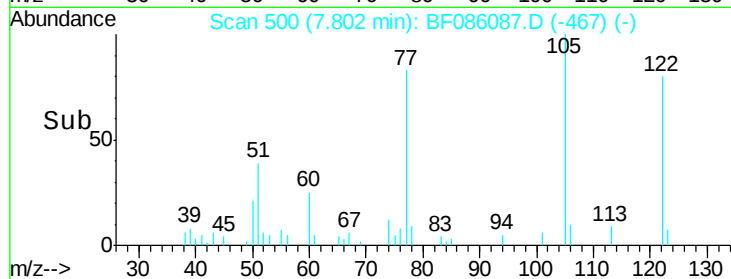
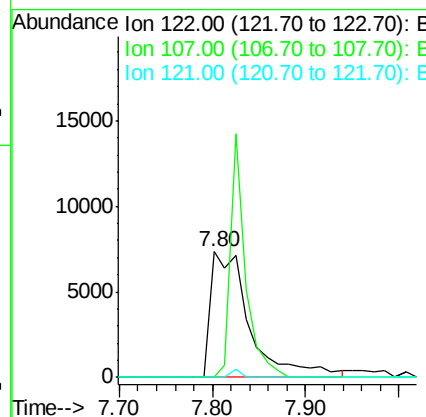
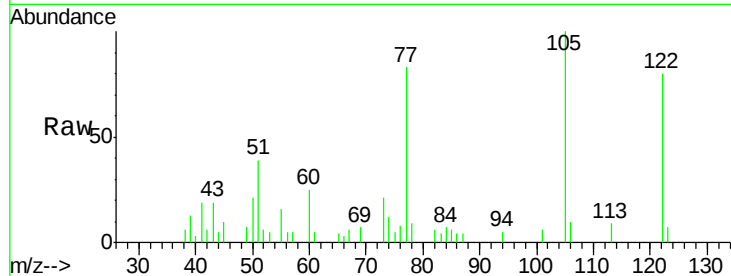




#27
 2,4-Dimethylphenol
 Concen: 2.76 ng
 RT: 7.80 min Scan# 500
 Delta R.T. 0.08 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

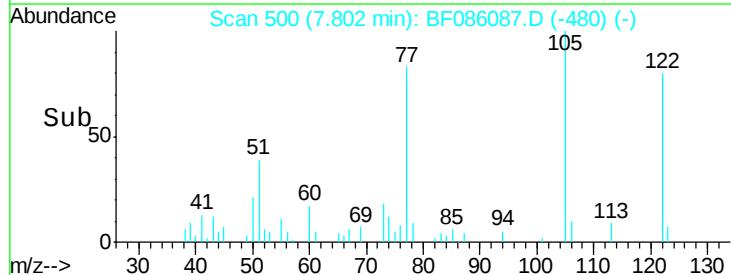
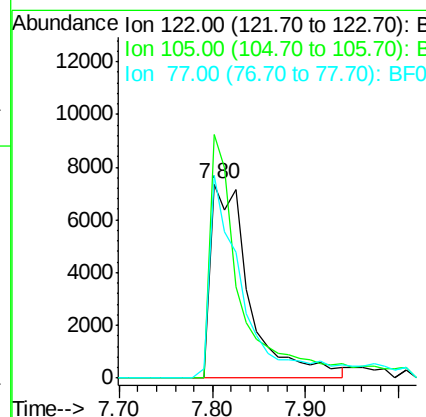
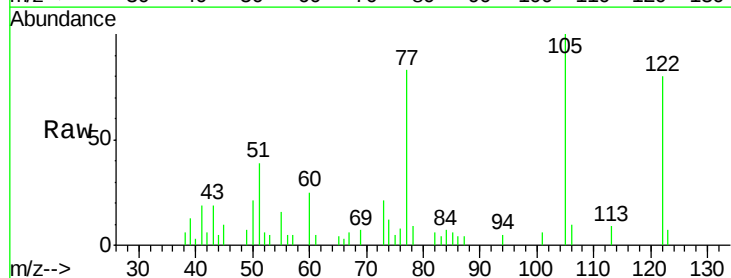
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 W2DAY1RE

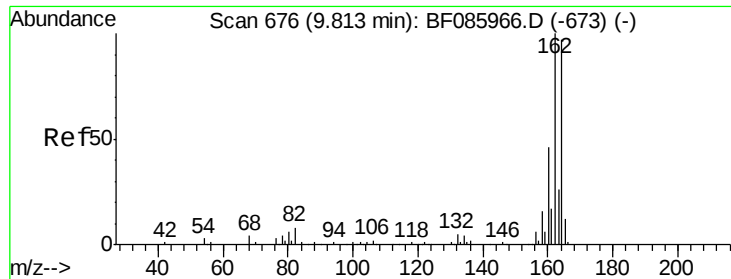
Tgt Ion:122 Resp: 21403
 Ion Ratio Lower Upper
 122 100
 107 0.0 93.0 139.6#
 121 0.0 45.9 68.9#



#32
 Benzoic acid
 Concen: 3.76 ng
 RT: 7.80 min Scan# 500
 Delta R.T. -0.07 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

Tgt Ion:122 Resp: 21403
 Ion Ratio Lower Upper
 122 100
 105 125.6 102.9 142.9
 77 104.4 71.8 111.8

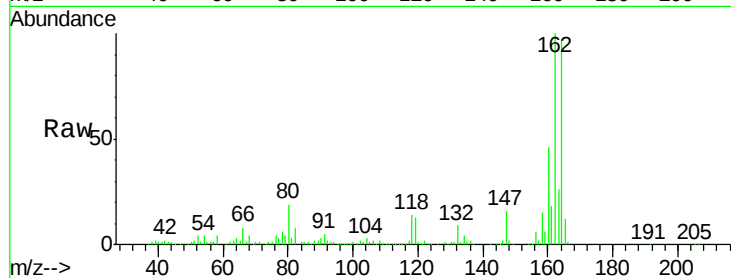




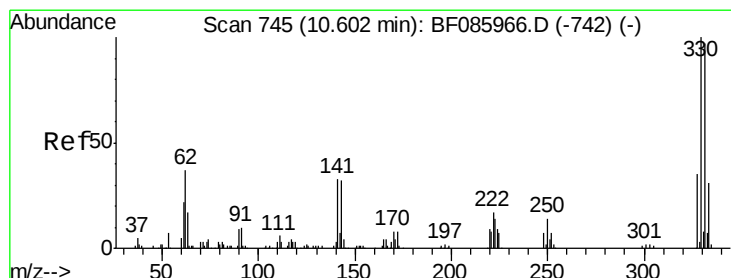
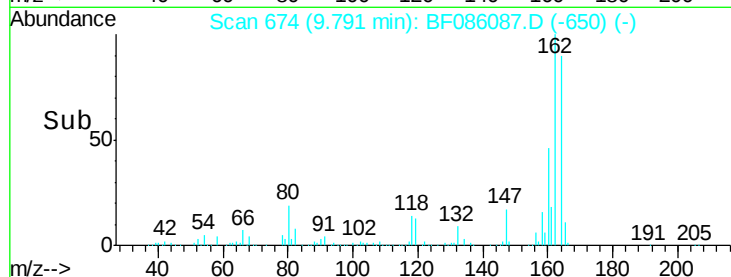
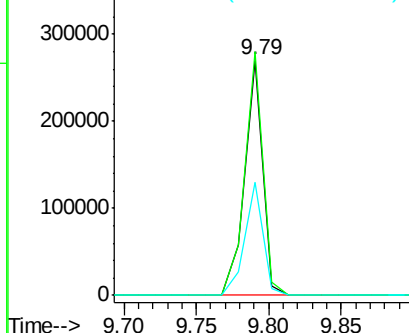
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 W2DAY1RE

Tgt Ion:164 Resp: 234057
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.1 123.1
 160 47.9 37.4 56.2

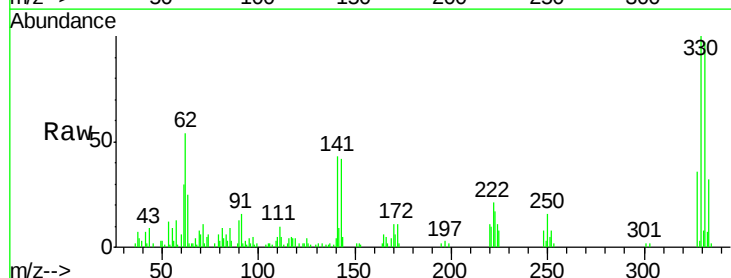


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

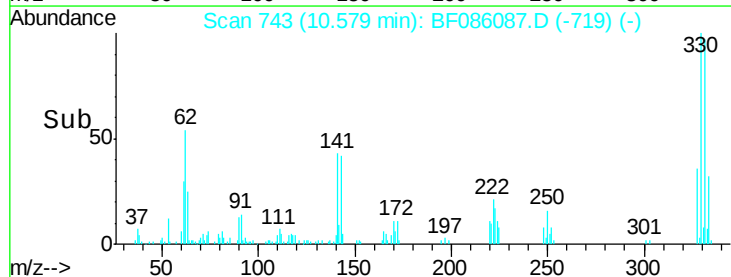
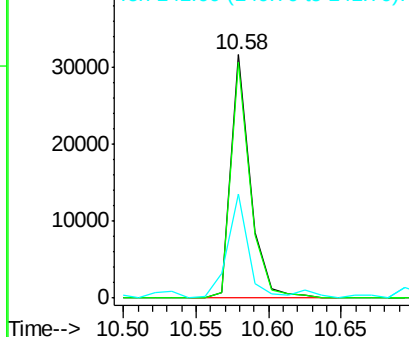


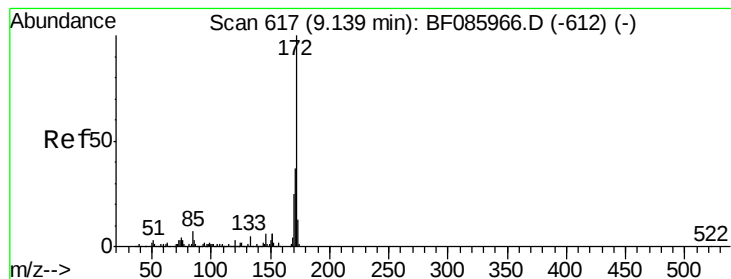
#41
 2,4,6-Tribromophenol
 Concen: 13.39 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

Tgt Ion:330 Resp: 29416
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.2 117.2
 141 49.7 31.5 47.3#



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

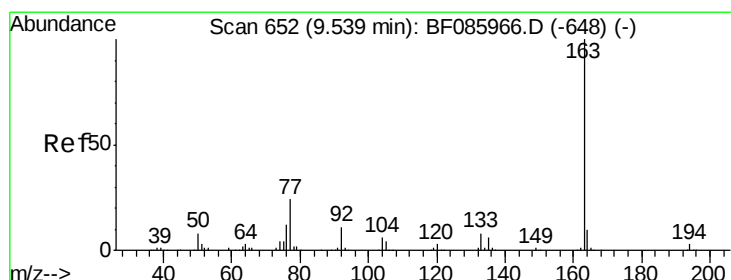
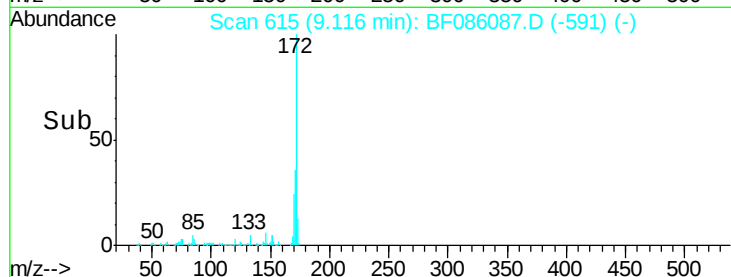
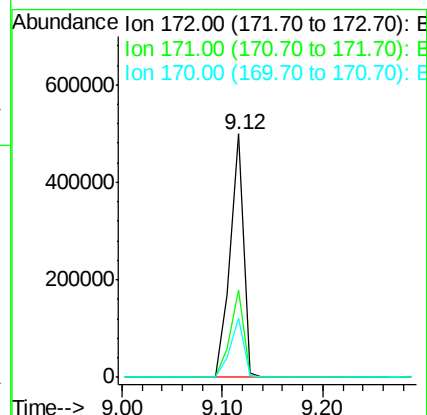
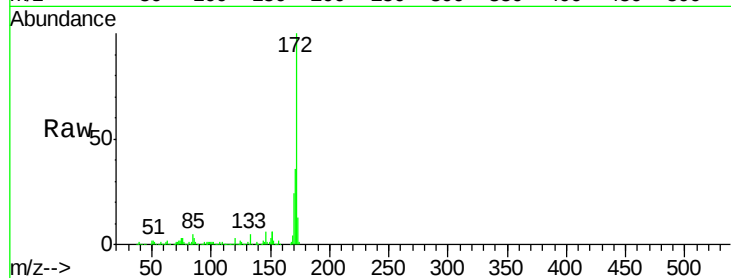




#44
2-Fluorobiphenyl
Concen: 33.31 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF086087.D
Acq: 5 Apr 2016 21:28

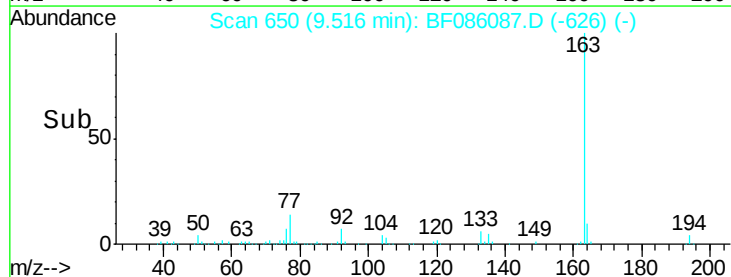
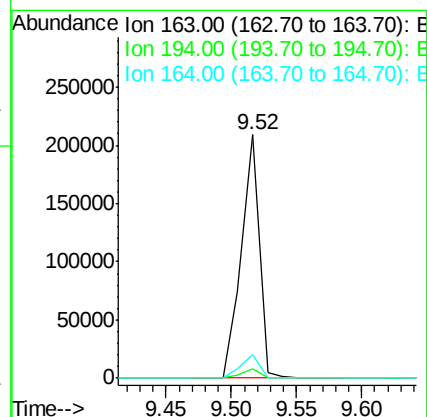
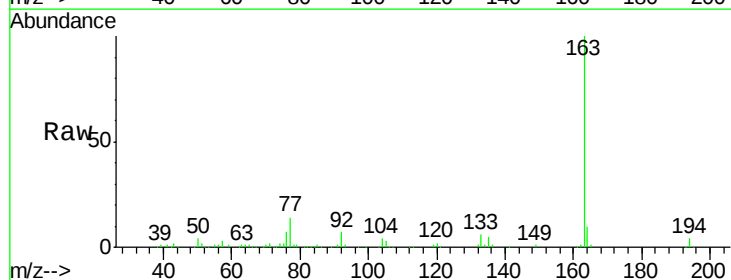
Instrument :
BNA_F
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W2DAY1RE

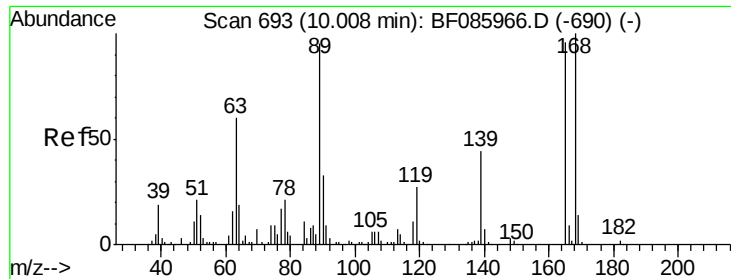
Tgt Ion:172 Resp: 468945
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.2
170 24.1 19.8 29.6



#49
Dimethylphthalate
Concen: 11.51 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF086087.D
Acq: 5 Apr 2016 21:28

Tgt Ion:163 Resp: 199754
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 9.6 8.3 12.5

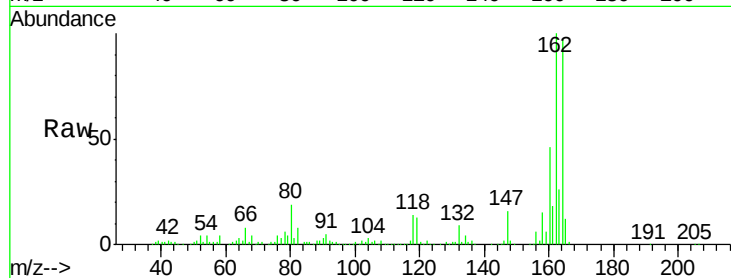




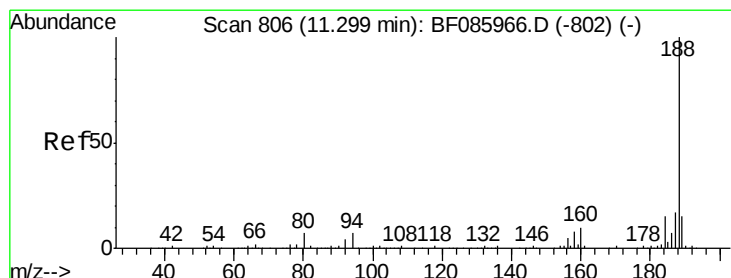
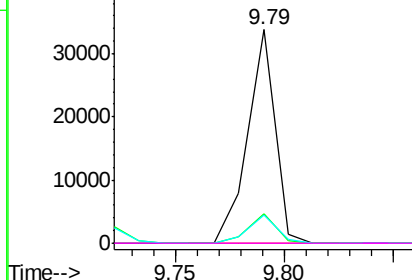
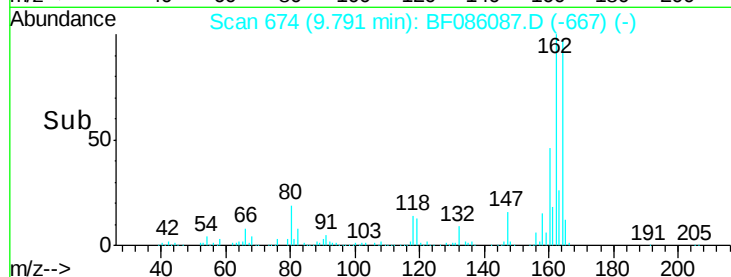
#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.22 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 W2DAY1RE

Tgt Ion:165 Resp: 29635
 Ion Ratio Lower Upper
 165 100
 63 13.6 24.9 37.3#
 89 12.9 41.0 61.6#
 182 0.0 2.1 3.1#

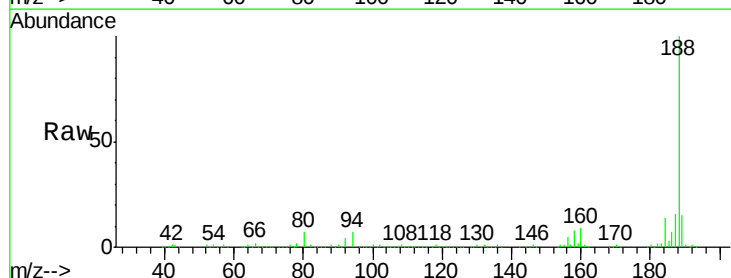


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

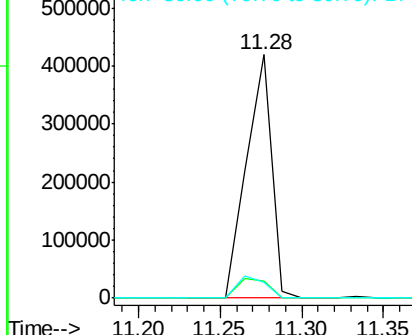
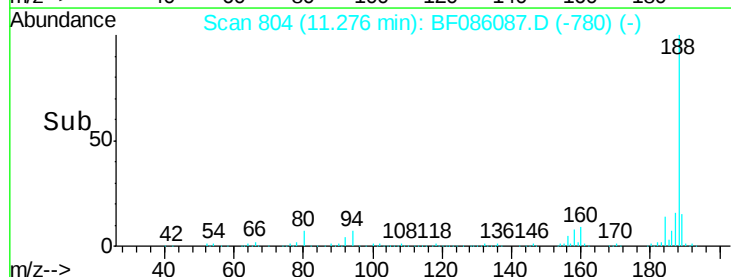


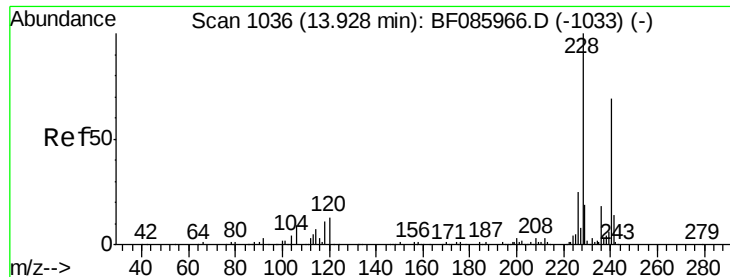
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF086087.D
 Acq: 5 Apr 2016 21:28

Tgt Ion:188 Resp: 447682
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.4 8.0
 80 6.7 5.5 8.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Instrument :

BNA_F

ClientSampleId :

W2DAY1RE

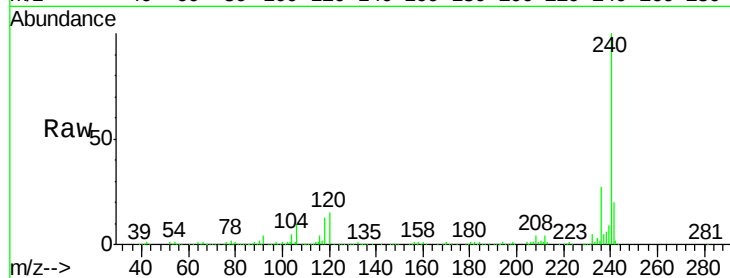
Tgt Ion:240 Resp: 317706

Ion Ratio Lower Upper

240 100

120 15.2 13.8 20.8

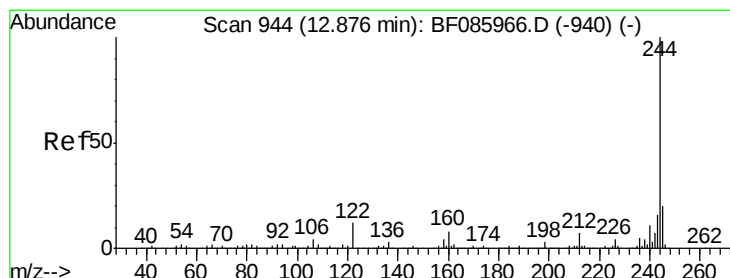
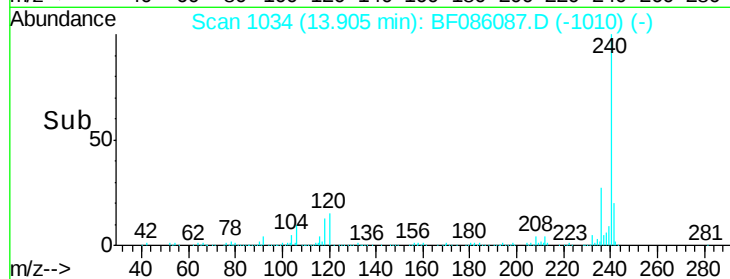
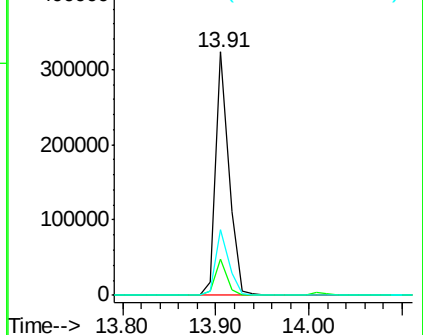
236 27.0 20.6 30.8



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: 29.57 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

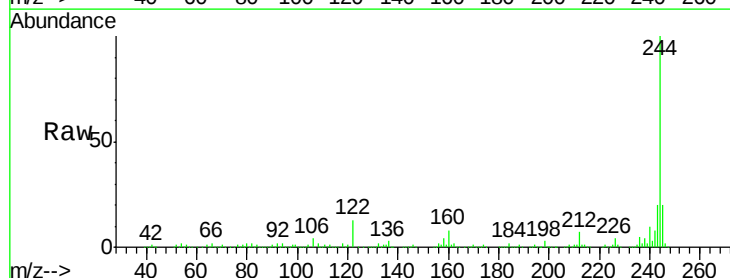
Tgt Ion:244 Resp: 399616

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

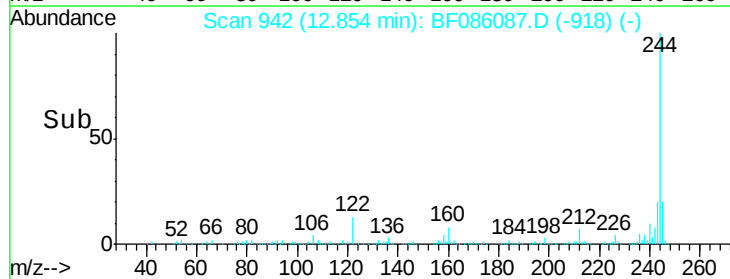
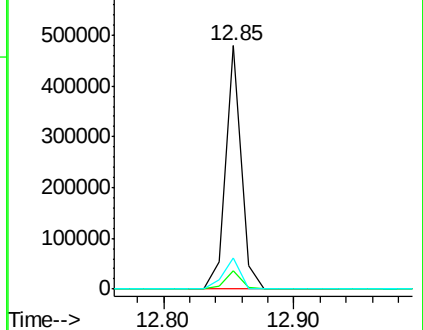
122 12.7 10.2 15.4

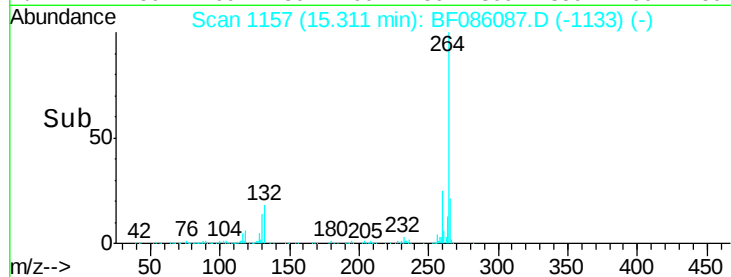
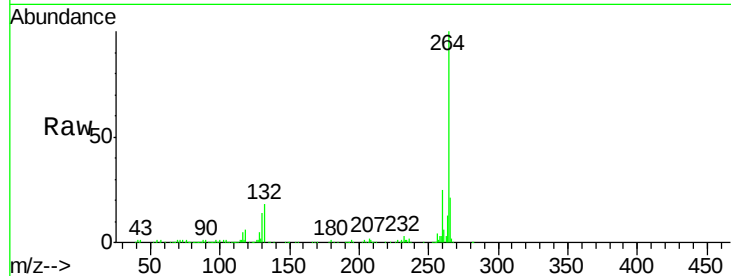
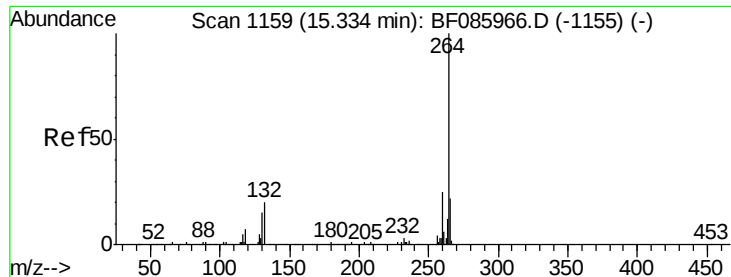


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF086087.D

Acq: 5 Apr 2016 21:28

Instrument :

BNA_F

ClientSampleId :

W2DAY1RE

Tgt Ion: 264 Resp: 245317

Ion Ratio Lower Upper

264 100

260 25.4 19.4 29.2

265 21.3 17.2 25.8

