

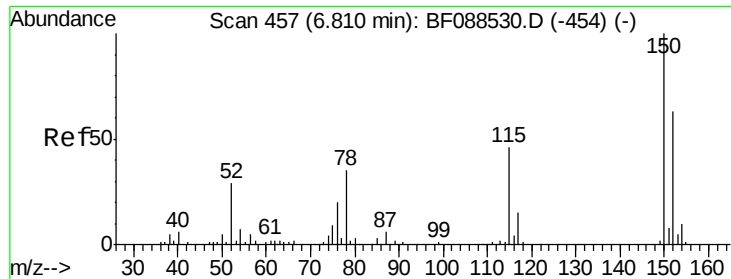
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070916\
 Data File : BF088887.D
 Acq On : 9 Jul 2016 22:58
 Operator : UM/SJ
 Sample : H3813-31 25X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Quant Time: Jul 11 04:37:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	12103	20.00	ng	0.15
21) Naphthalene-d8	8.01	136	363092	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	173677	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	342516	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	184116	20.00	ng	-0.02
86) Perylene-d12	15.23	264	172079	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	13403	16.60	ng	-0.02
7) Phenol-d6	6.34	99	11719	11.23	ng	-0.03
23) Nitrobenzene-d5	7.28	82	22032	3.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	8601	5.33	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	40960	3.73	ng	-0.01
78) Terphenyl-d14	12.81	244	35681	4.32	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.24	88	1536	3.84	ng	# 71
8) 2-Chlorophenol	6.50	128	3980	4.59	ng	86
9) Benzaldehyde	6.26	77	2869	4.06	ng	97
10) Phenol	6.36	94	2385	2.00	ng	# 59
11) bis(2-Chloroethyl)ether	6.44	93	4449	5.01	ng	88
12) 1,3-Dichlorobenzene	6.89	146	5026	5.26	ng	96
13) 1,4-Dichlorobenzene	6.89	146	5026	5.30	ng	97
14) 1,2-Dichlorobenzene	6.89	146	5026	5.66	ng	# 92
15) Benzyl Alcohol	6.86	79	2935	3.82	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.00	45	5417	4.21	ng	88
17) 2-Methylphenol	6.98	107	2724	3.85	ng	96
18) Hexachloroethane	7.23	117	1865	5.09	ng	90
19) n-Nitroso-di-n-propylamine	7.13	70	3716	5.30	ng	88
20) 3+4-Methylphenols	7.13	107	3611	4.25	ng	# 60

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 463

Delta R.T. 0.15 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

Instrument :

BNA_F

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P001-WW001-01MSD

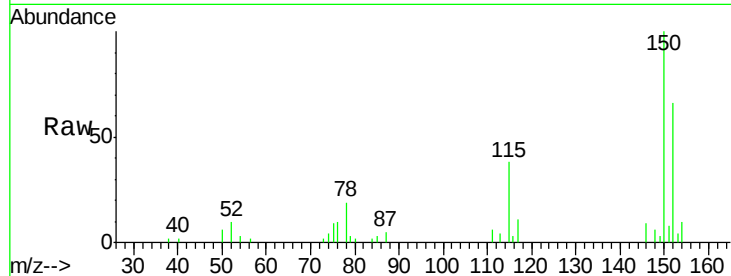
Tgt Ion:152 Resp: 12103

Ion Ratio Lower Upper

152 100

150 150.5 123.8 185.6

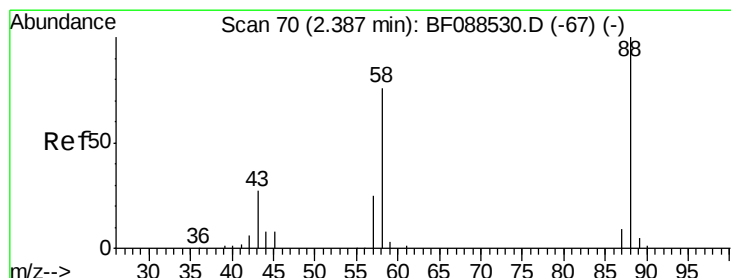
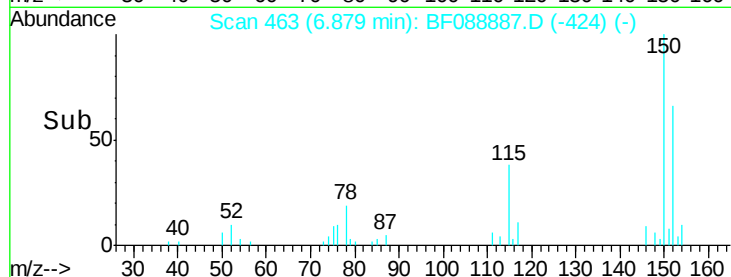
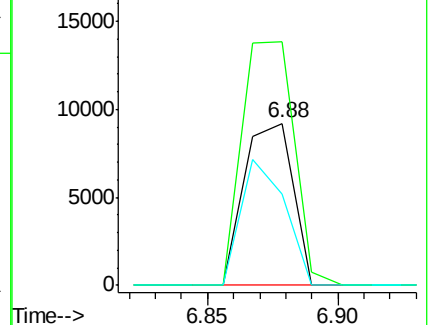
115 56.7 39.6 59.4



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



#2

1,4-Dioxane

Concen: 3.84 ng

RT: 2.24 min Scan# 57

Delta R.T. -0.00 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

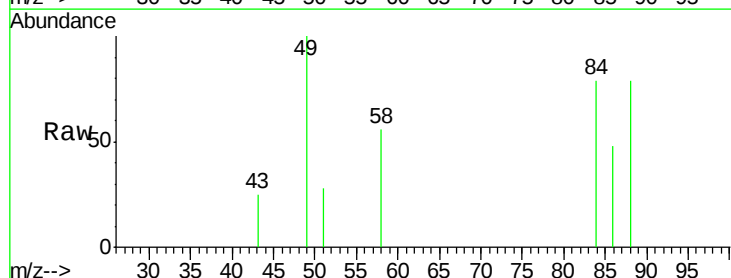
Tgt Ion: 88 Resp: 1536

Ion Ratio Lower Upper

88 100

58 51.8 0.0 0.0#

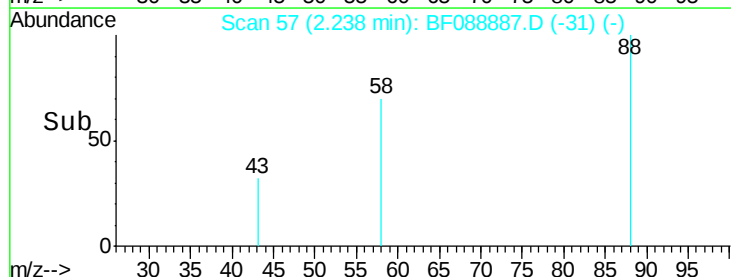
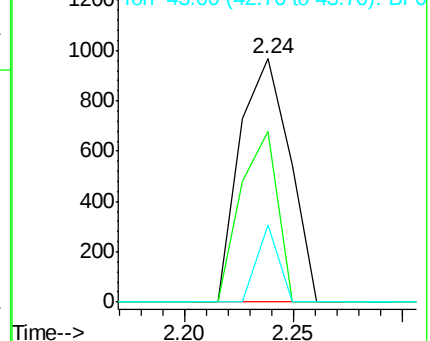
43 13.8 3.4 5.2#

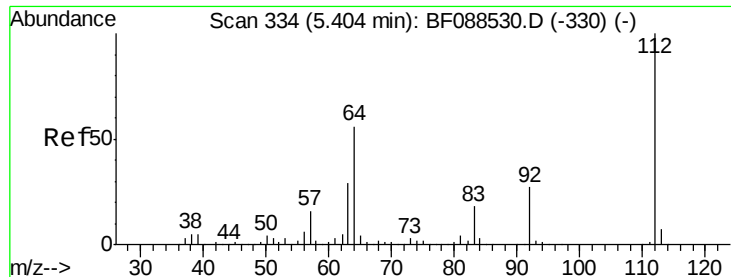


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

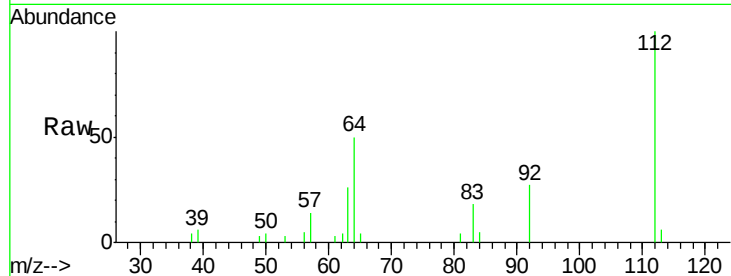




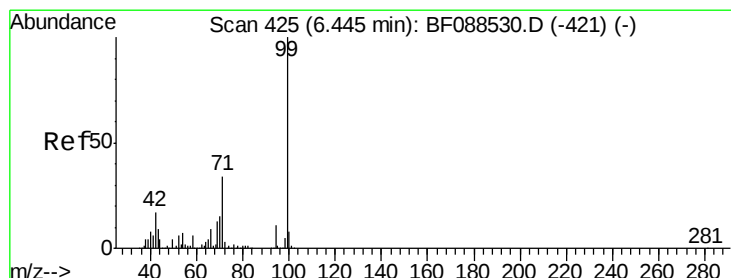
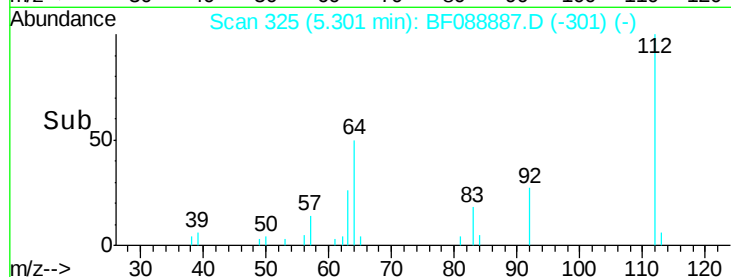
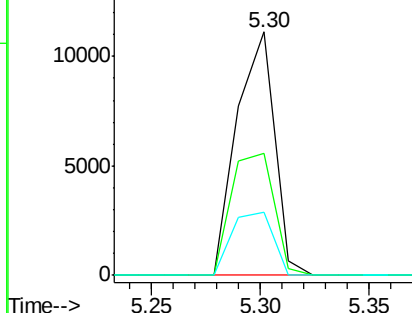
#5
 2-Fluorophenol
 Concen: 16.60 ng
 RT: 5.30 min Scan# 325
 Delta R.T. -0.02 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	42.2	63.2
63	26.1	21.8	32.8

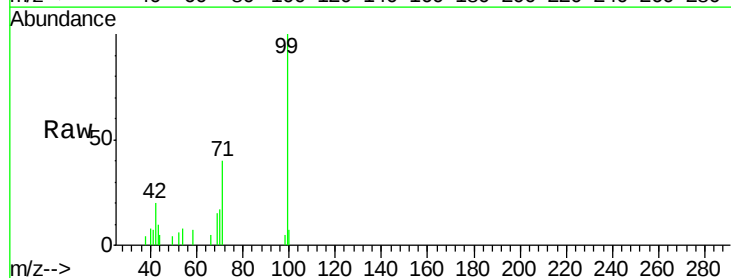


Abundance Ion 112.00 (111.70 to 112.70): BF0
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

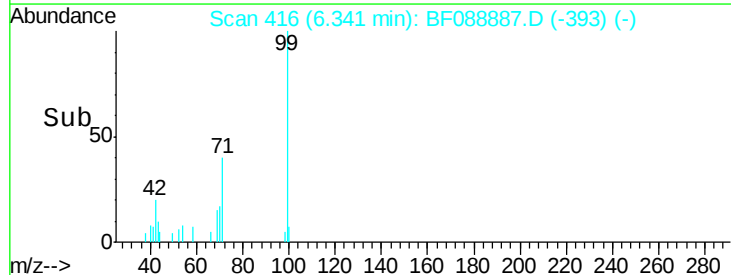
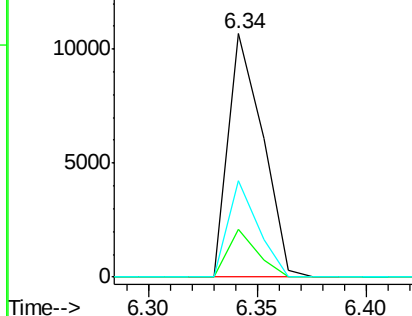


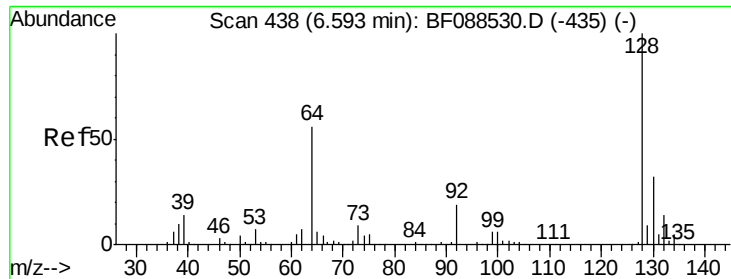
#7
 Phenol-d6
 Concen: 11.23 ng
 RT: 6.34 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.2	18.2#
71	39.7	23.4	35.0#



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: 4.59 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

Instrument :

BNA_F

ClientSampleId :

P001-WW001-01MSD

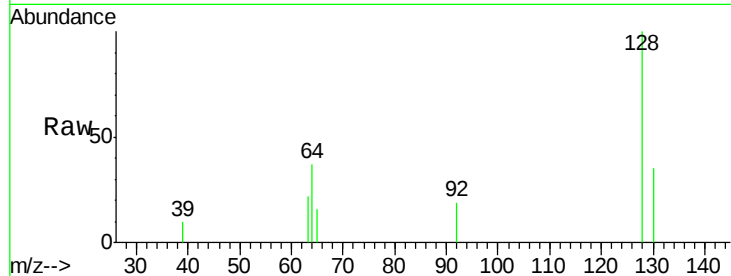
Tgt Ion:128 Resp: 3980

Ion Ratio Lower Upper

128 100

130 34.7 12.0 52.0

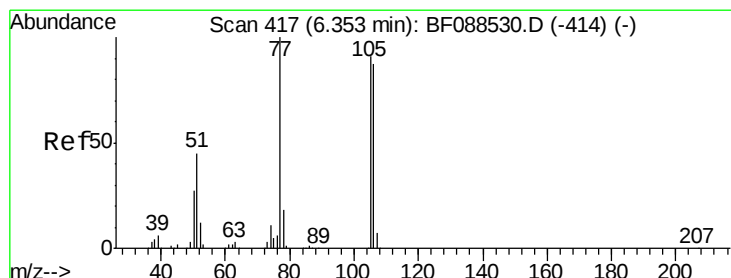
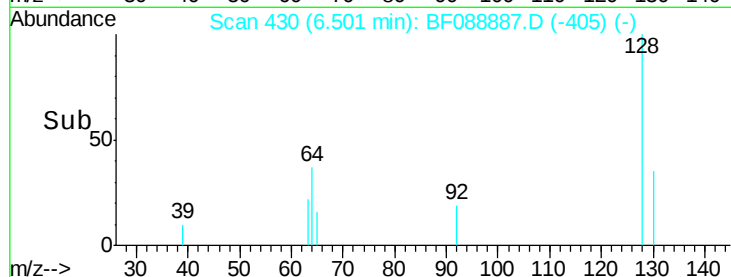
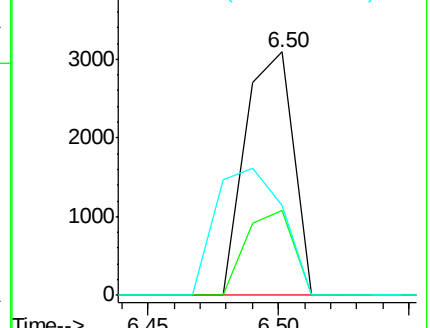
64 36.8 30.8 70.8



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



#9

Benzaldehyde

Concen: 4.06 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

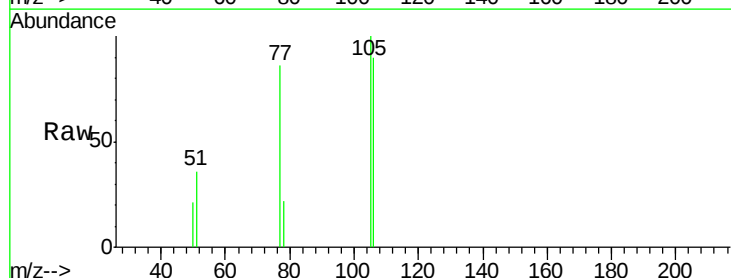
Tgt Ion: 77 Resp: 2869

Ion Ratio Lower Upper

77 100

105 116.0 90.6 130.6

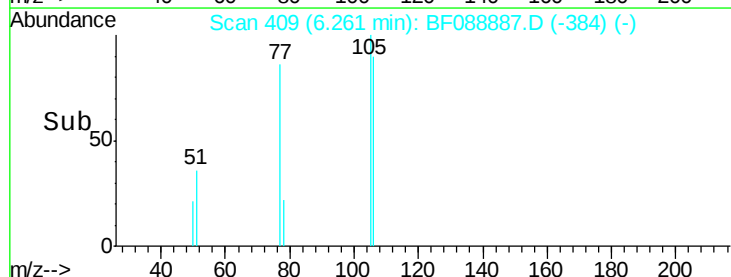
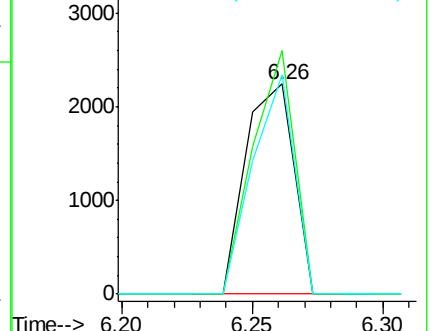
106 104.8 85.3 125.3

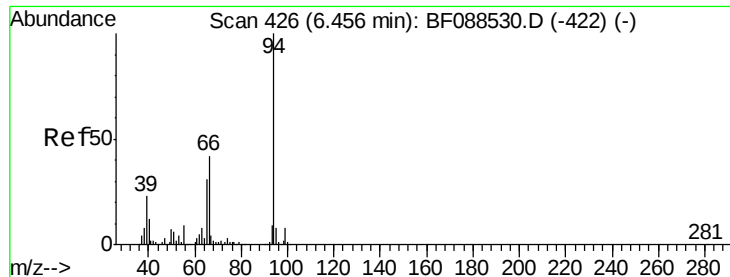


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.00 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

Instrument :

BNA_F

ClientSampleId :

P001-WW001-01MSD

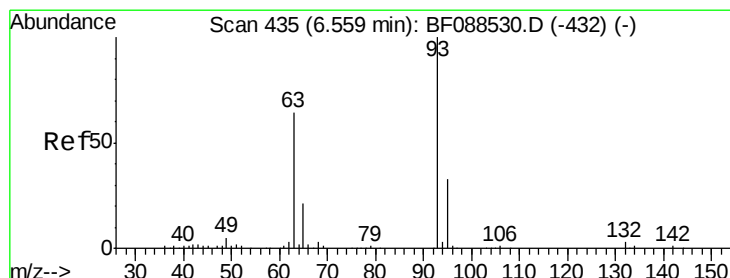
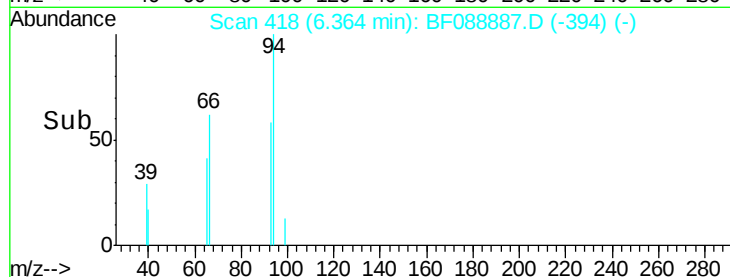
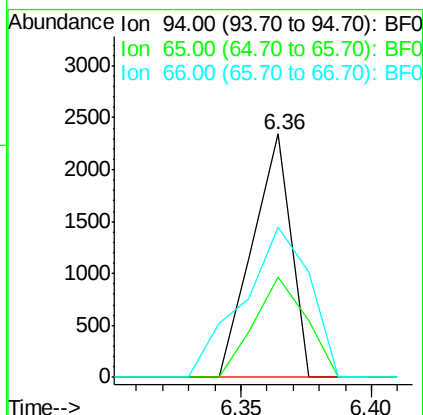
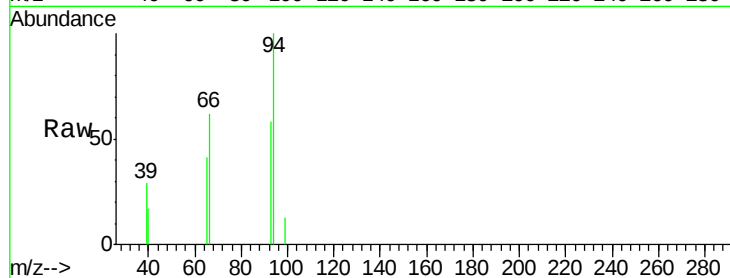
Tgt Ion: 94 Resp: 2385

Ion Ratio Lower Upper

94 100

65 41.4 5.9 45.9

66 61.8 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 5.01 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

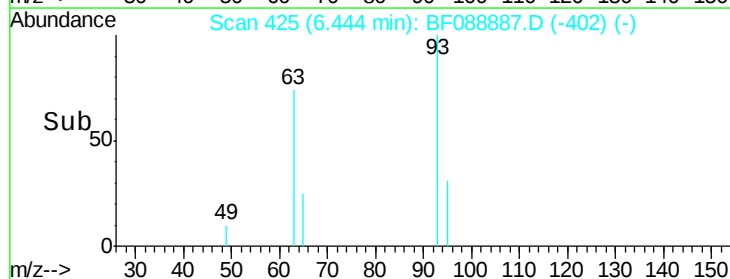
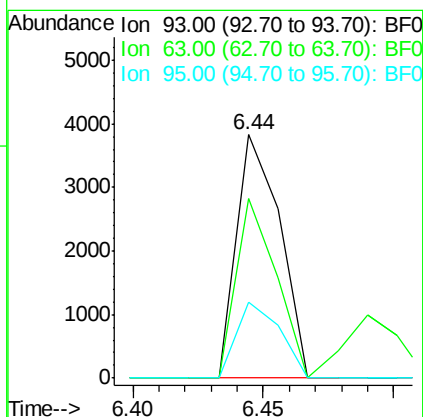
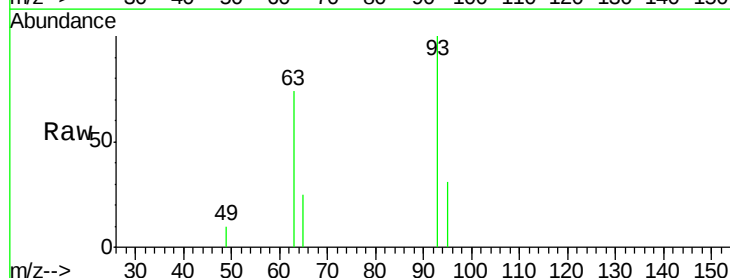
Tgt Ion: 93 Resp: 4449

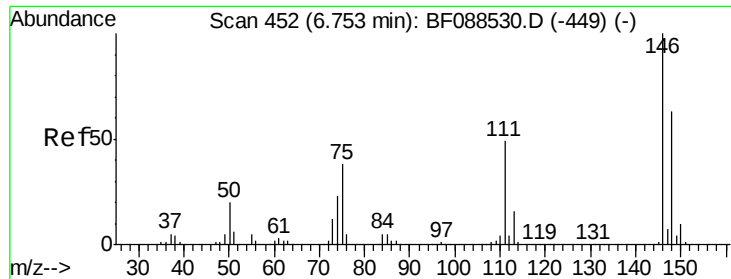
Ion Ratio Lower Upper

93 100

63 73.9 67.6 107.6

95 31.0 12.5 52.5

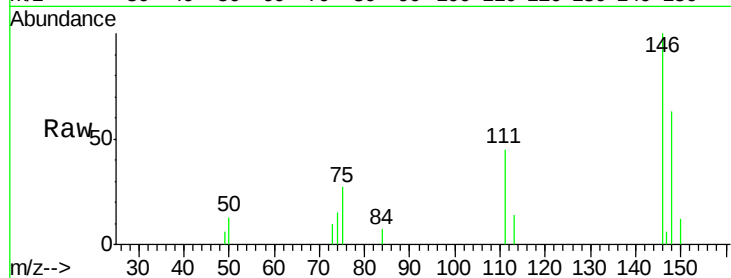




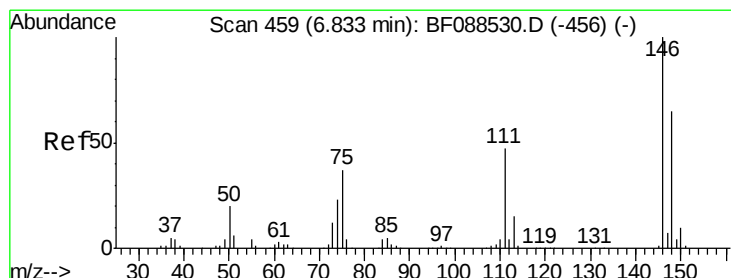
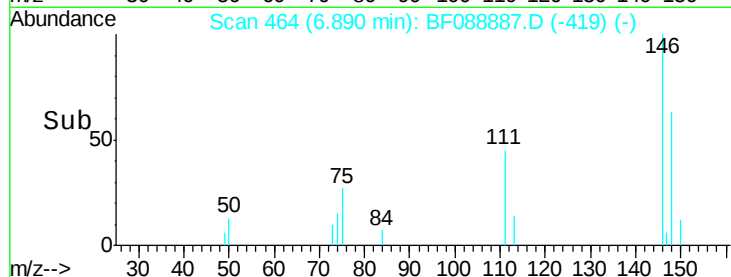
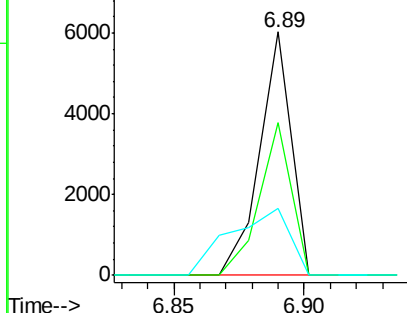
#12
 1,3-Dichlorobenzene
 Concen: 5.26 ng
 RT: 6.89 min Scan# 464
 Delta R.T. 0.22 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.9	76.3
75	27.3	25.6	38.4

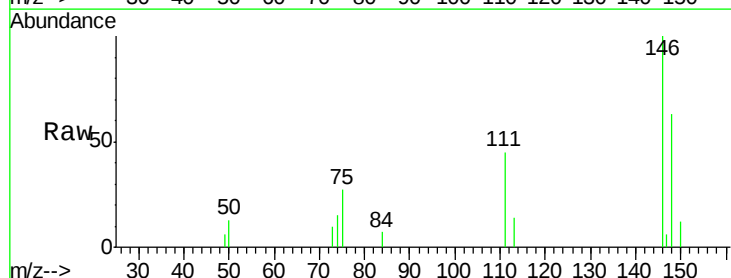


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

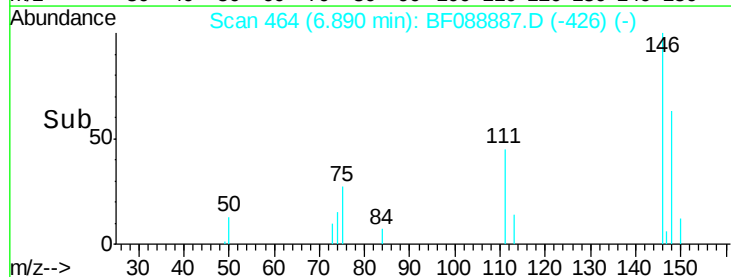
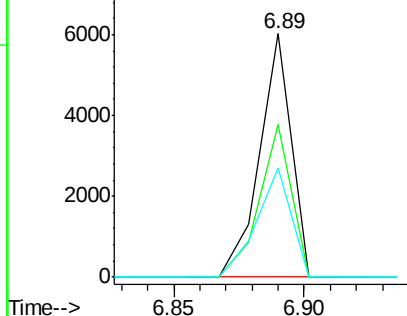


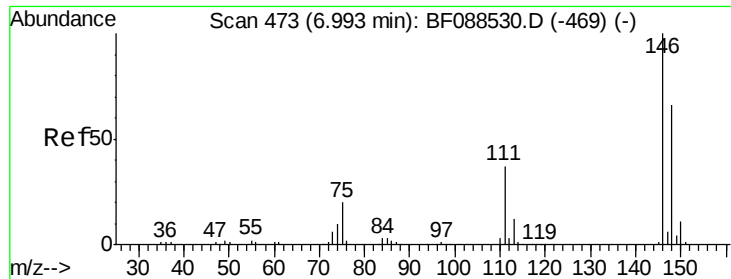
#13
 1,4-Dichlorobenzene
 Concen: 5.30 ng
 RT: 6.89 min Scan# 464
 Delta R.T. 0.14 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.0	78.0
111	44.6	33.8	50.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

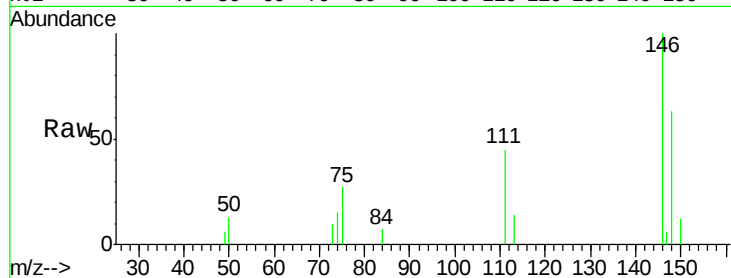




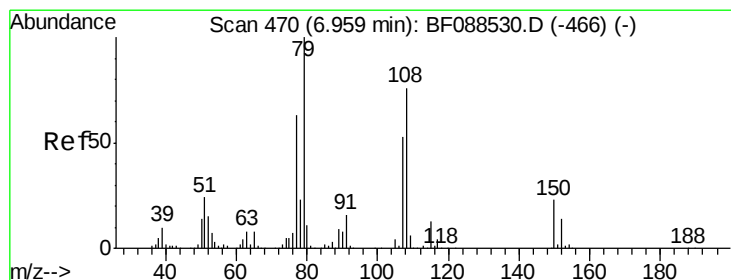
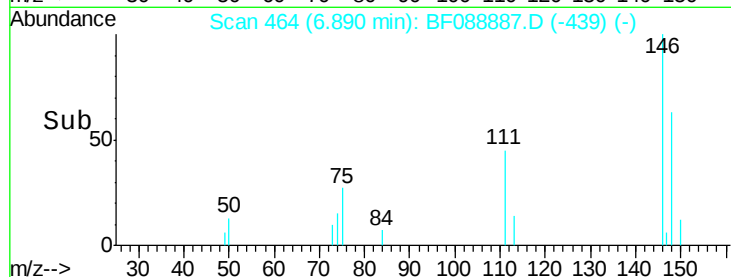
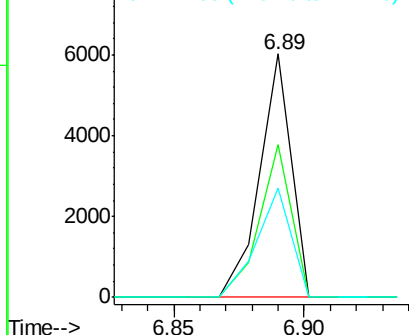
#14
1,2-Dichlorobenzene
Concen: 5.66 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Instrument :
BNA_F
ClientSampleId :
P001-WW001-01MSD

Tgt Ion:146 Resp: 5026
Ion Ratio Lower Upper
146 100
148 62.5 52.3 78.5
111 44.6 28.7 43.1#

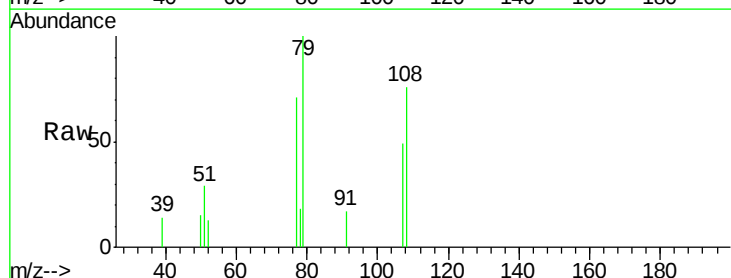


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

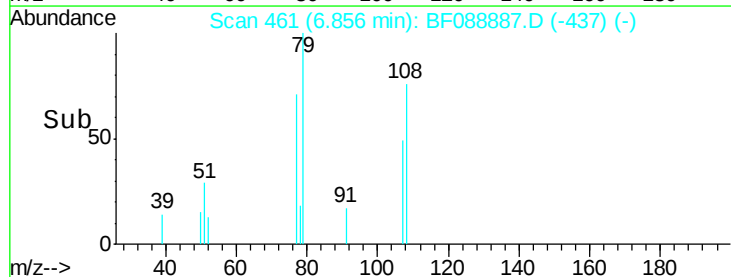
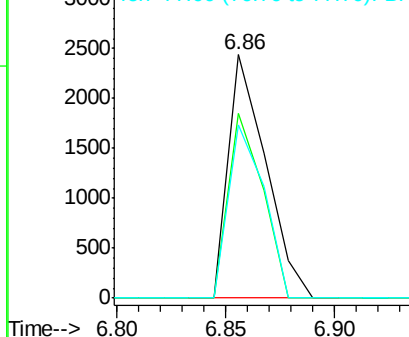


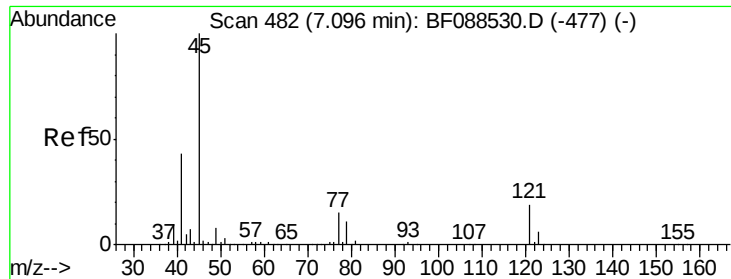
#15
Benzyl Alcohol
Concen: 3.82 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Tgt Ion: 79 Resp: 2935
Ion Ratio Lower Upper
79 100
108 76.1 65.0 97.6
77 71.4 50.3 75.5



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

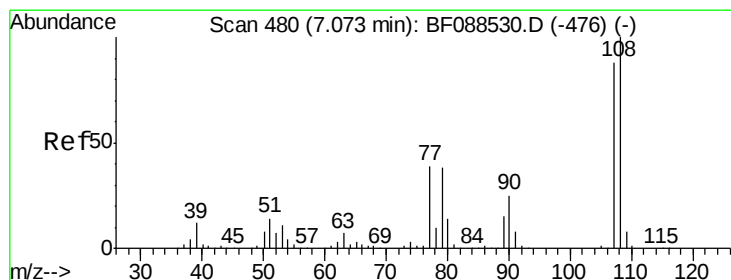
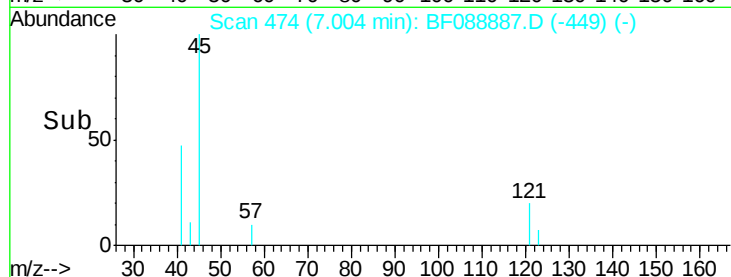
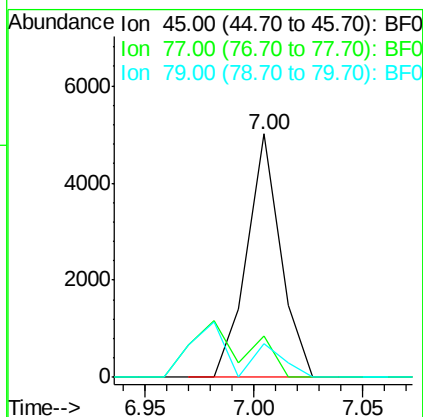
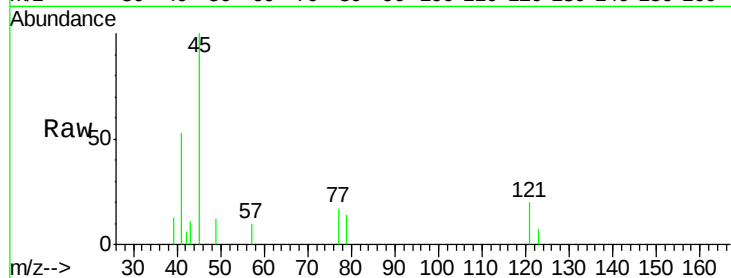




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.21 ng
RT: 7.00 min Scan# 474
Delta R.T. -0.01 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

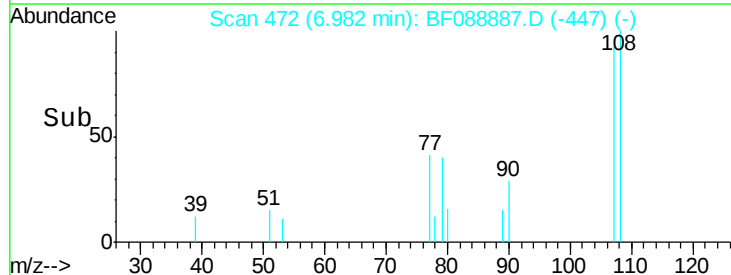
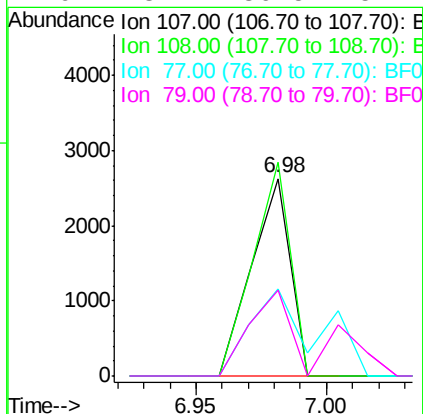
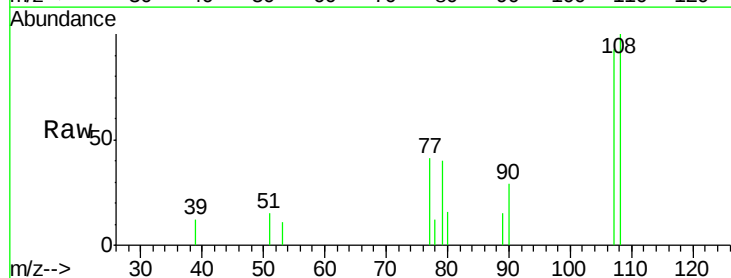
Instrument :
BNA_F
ClientSampleId :
P001-WW001-01MSD

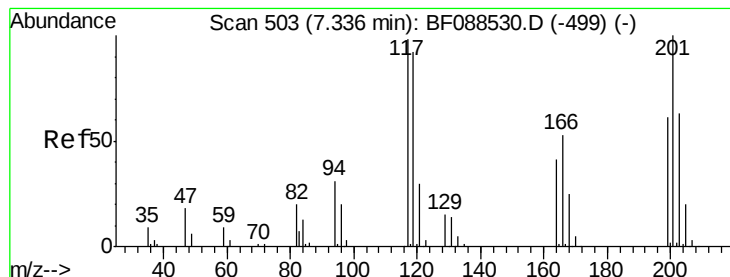
Tgt Ion: 45 Resp: 5417
Ion Ratio Lower Upper
45 100
77 17.2 0.0 32.5
79 13.7 0.0 29.5



#17
2-Methylphenol
Concen: 3.85 ng
RT: 6.98 min Scan# 472
Delta R.T. -0.01 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Tgt Ion: 107 Resp: 2724
Ion Ratio Lower Upper
107 100
108 108.0 90.9 136.3
77 44.1 36.6 55.0
79 43.2 36.5 54.7





#18

Hexachloroethane

Concen: 5.09 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

Instrument :

BNA_F

ClientSampleId :

P001-WW001-01MSD

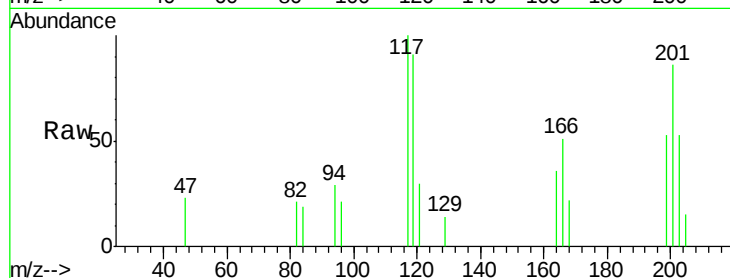
Tgt Ion: 117 Resp: 1865

Ion Ratio Lower Upper

117 100

119 90.8 77.4 116.2

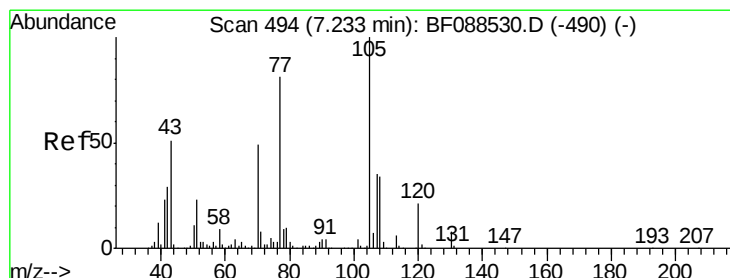
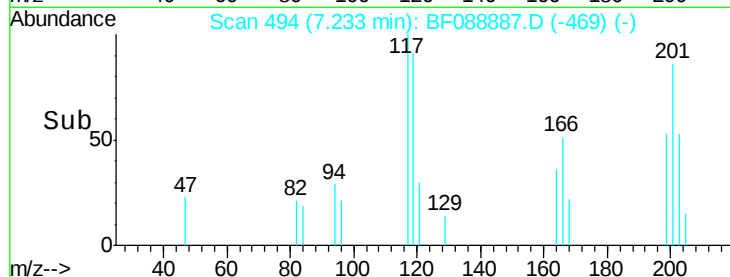
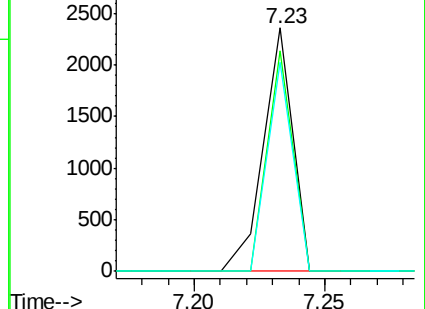
201 86.1 80.4 120.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.30 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.03 min

Lab File: BF088887.D

Acq: 9 Jul 2016 22:58

Tgt Ion: 70 Resp: 3716

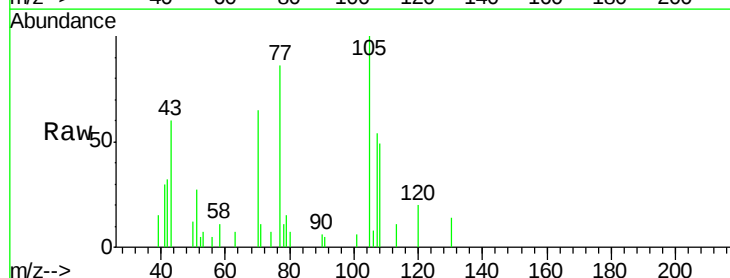
Ion Ratio Lower Upper

70 100

42 49.6 49.6 74.4

101 9.0 7.1 10.7

130 21.9 15.4 23.2

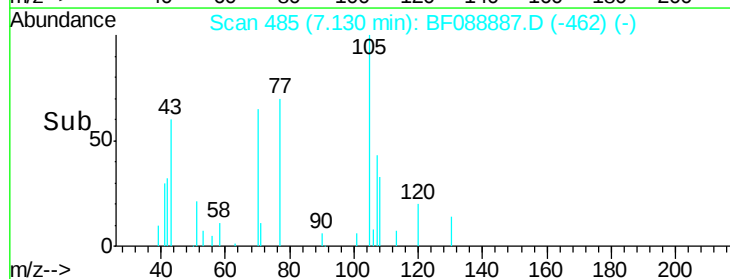
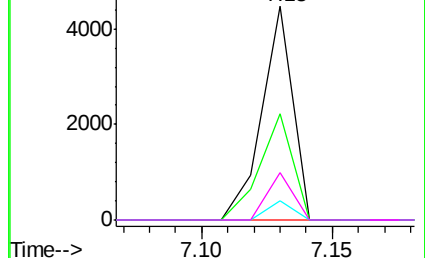


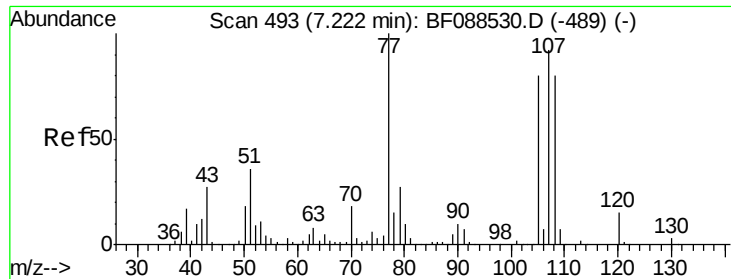
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

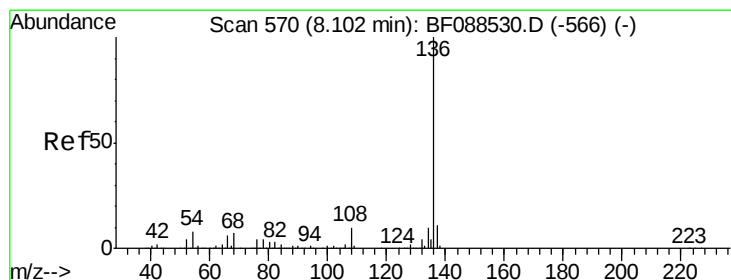
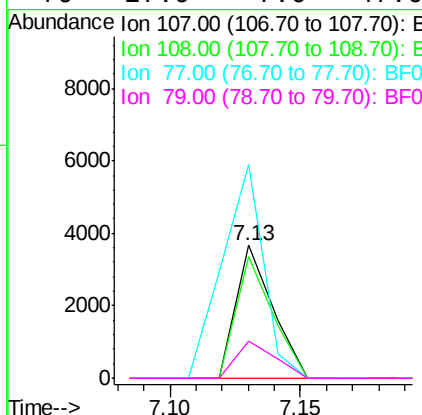
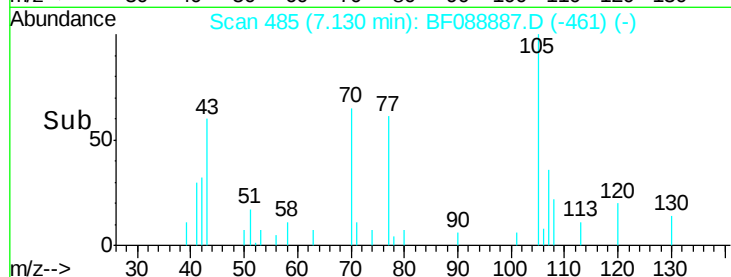
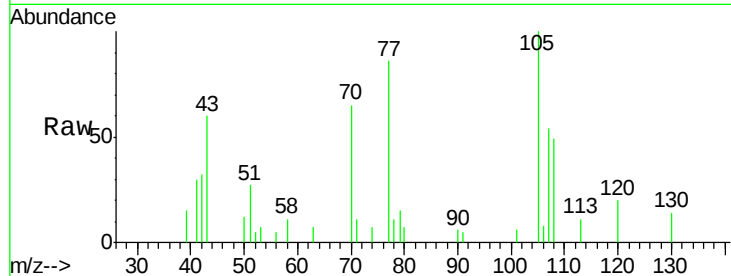




#20
3+4-Methylphenols
Concen: 4.25 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.02 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

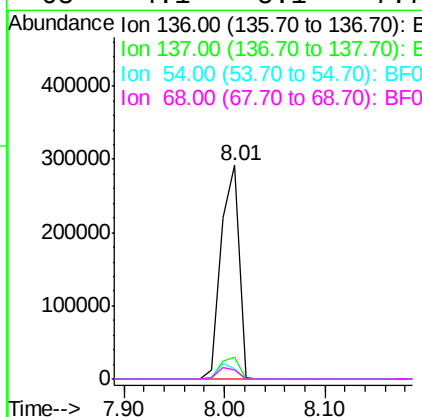
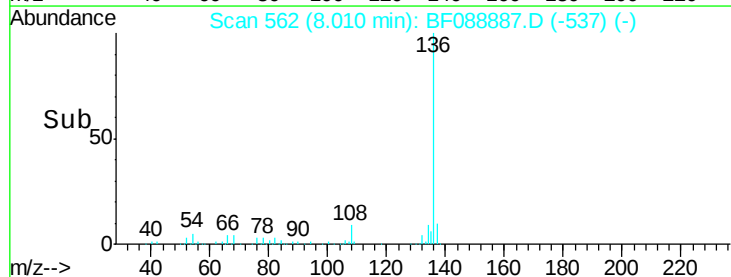
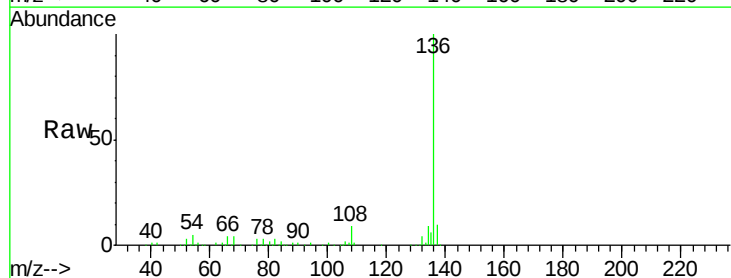
Instrument :
BNA_F
ClientSampleId :
P001-WW001-01MSD

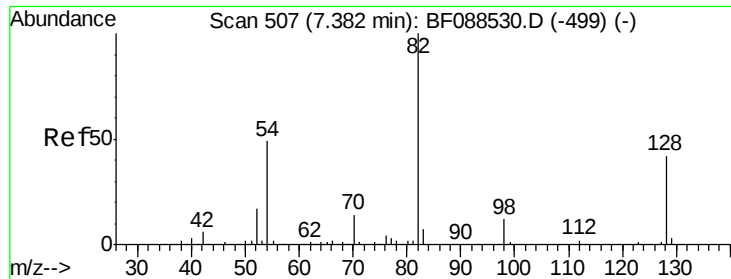
Tgt Ion:107 Resp: 3611
Ion Ratio Lower Upper
107 100
108 91.2 67.8 107.8
77 160.5 59.3 99.3#
79 27.9 7.0 47.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Tgt Ion:136 Resp: 363092
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 4.7 6.6 10.0#
68 4.1 5.1 7.7#

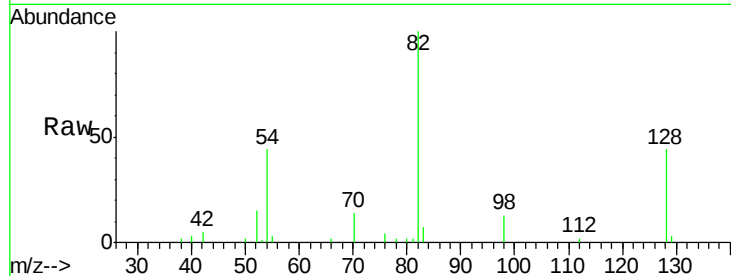




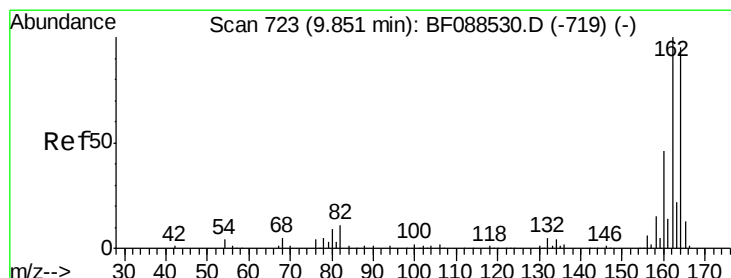
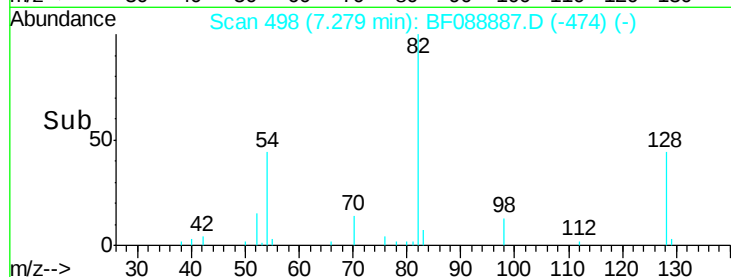
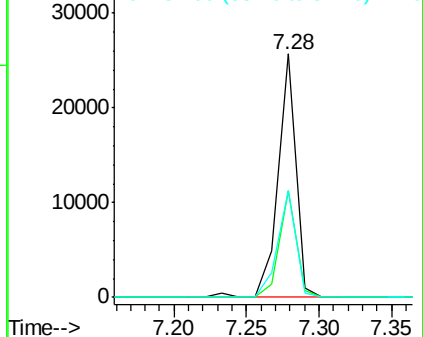
#23
 Nitrobenzene-d5
 Concen: 3.18 ng
 RT: 7.28 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Tgt Ion: 82 Resp: 22032
 Ion Ratio Lower Upper
 82 100
 128 44.0 35.9 53.9
 54 44.0 40.9 61.3

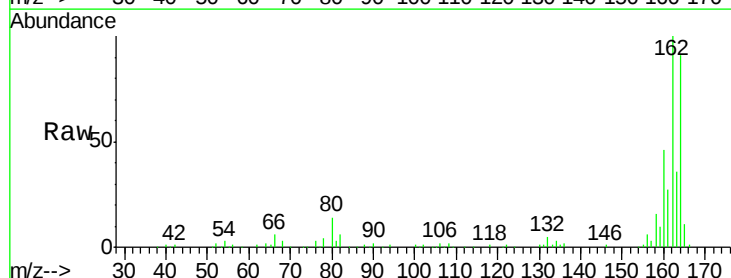


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

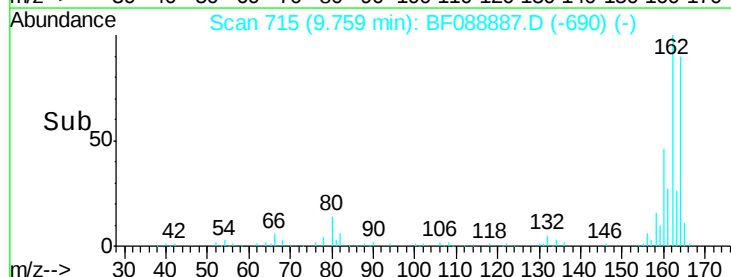
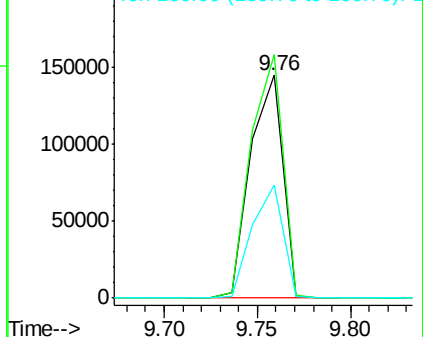


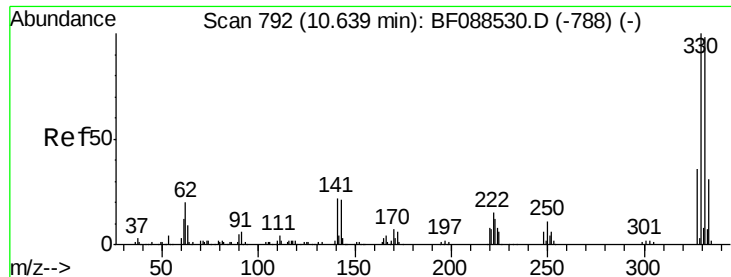
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Tgt Ion: 164 Resp: 173677
 Ion Ratio Lower Upper
 164 100
 162 109.4 85.4 128.2
 160 50.7 39.5 59.3



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

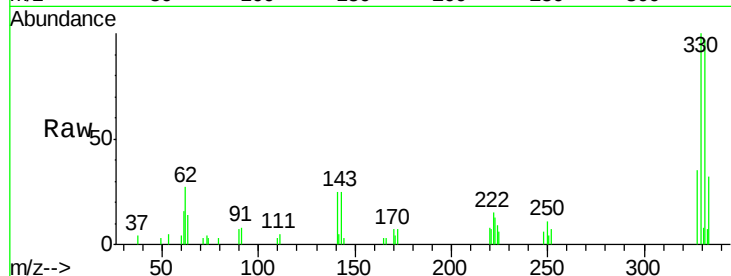




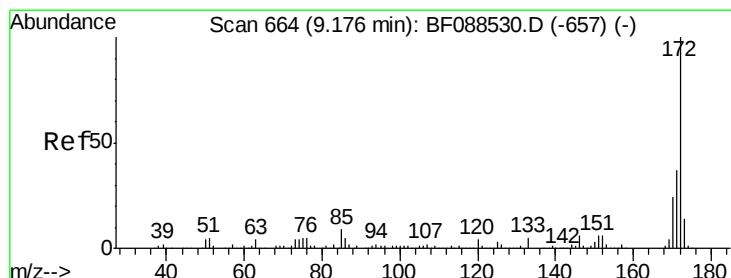
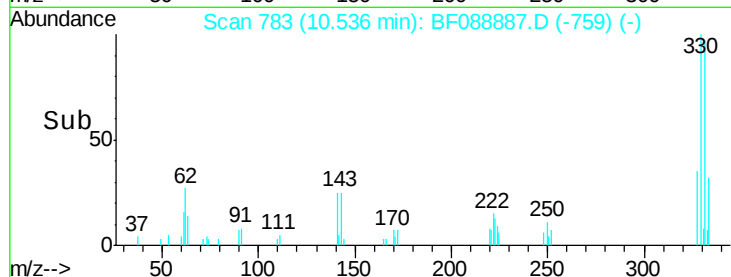
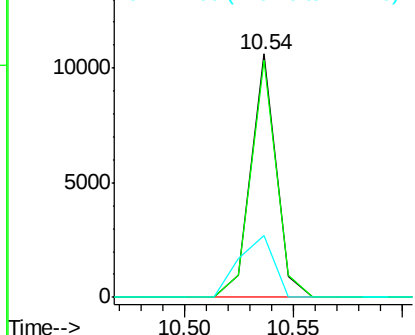
#41
 2,4,6-Tribromophenol
 Concen: 5.33 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Tgt Ion:330 Resp: 8601
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 34.8 0.0 0.0#

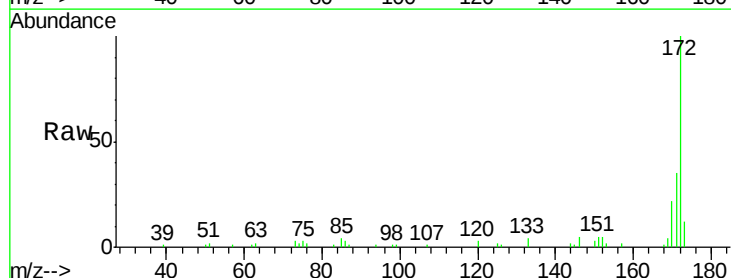


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

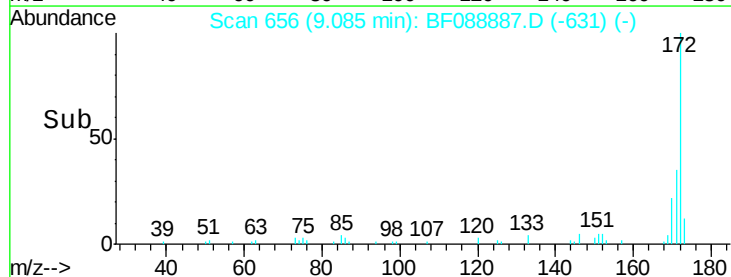
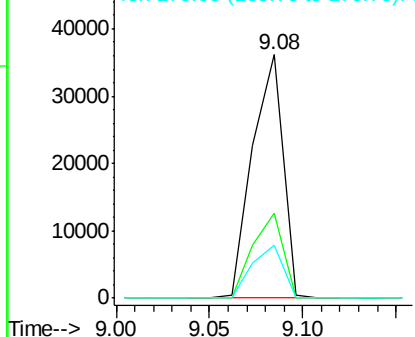


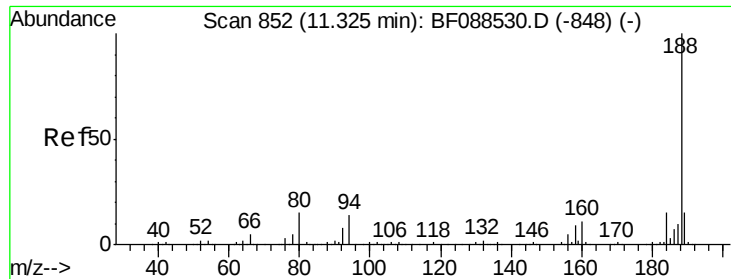
#44
 2-Fluorobiphenyl
 Concen: 3.73 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Tgt Ion:172 Resp: 40960
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 21.8 19.2 28.8



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

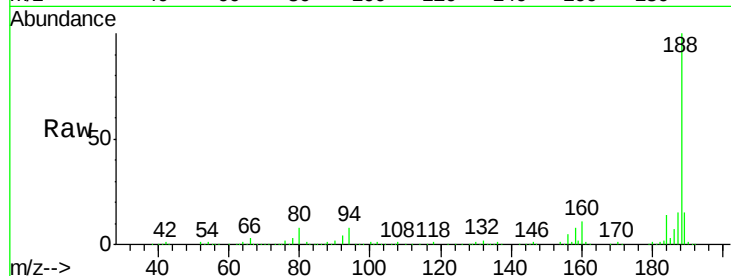




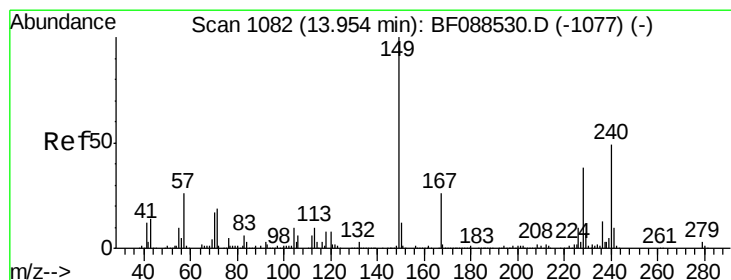
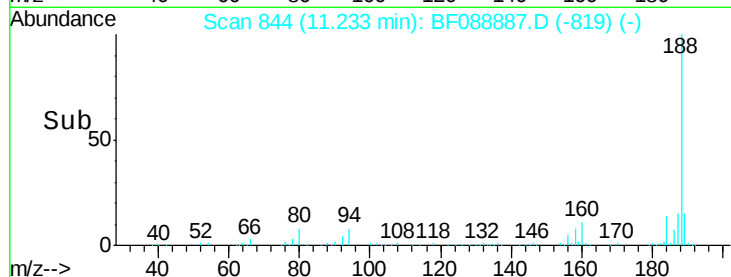
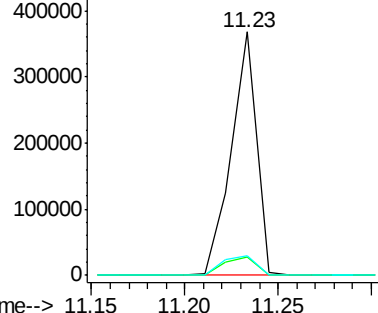
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Instrument :
BNA_F
ClientSampleId :
P001-WW001-01MSD

Tgt Ion:188 Resp: 342516
Ion Ratio Lower Upper
188 100
94 7.7 9.0 13.6#
80 8.2 10.0 15.0#

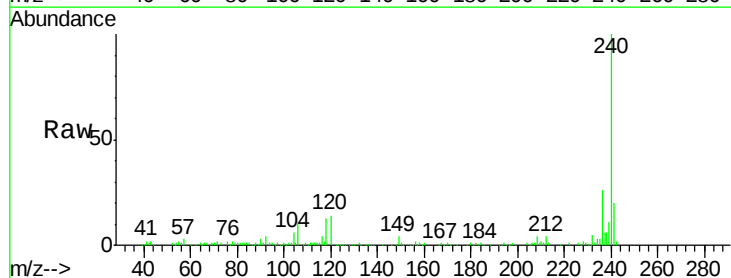


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

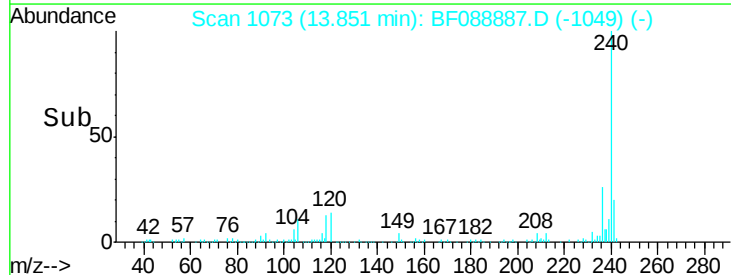
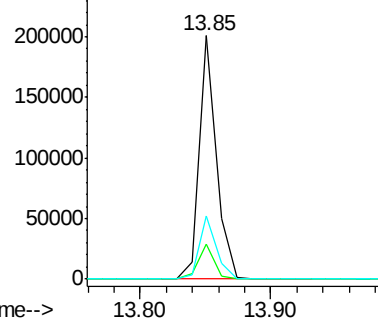


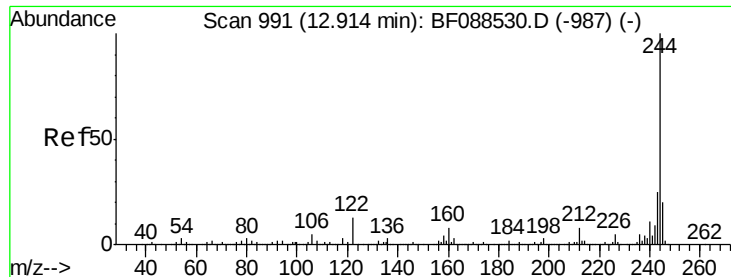
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF088887.D
Acq: 9 Jul 2016 22:58

Tgt Ion:240 Resp: 184116
Ion Ratio Lower Upper
240 100
120 14.4 6.8 10.2#
236 26.0 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

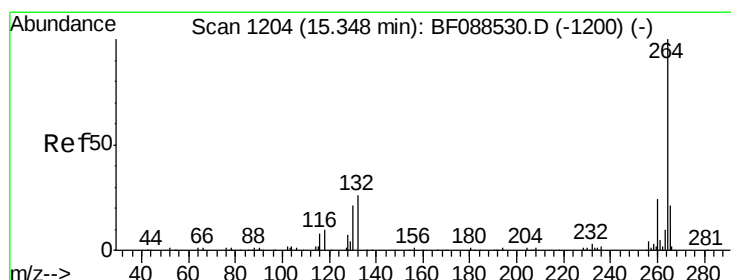
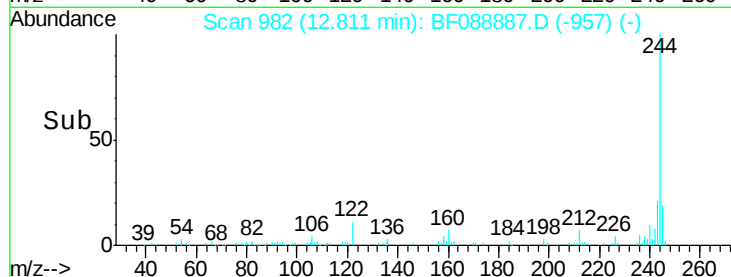
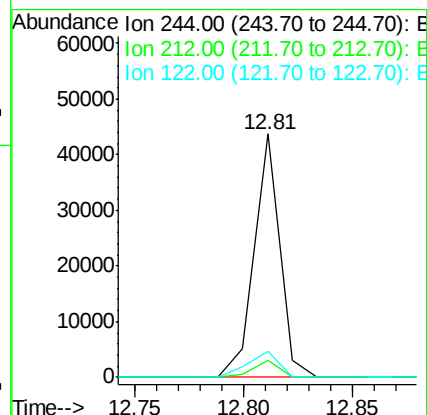
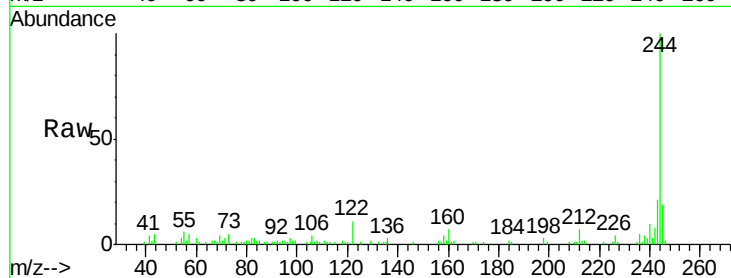




#78
 Terphenyl-d14
 Concen: 4.32 ng
 RT: 12.81 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-WW001-01MSD

Tgt Ion: 244 Resp: 35681
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 10.9 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF088887.D
 Acq: 9 Jul 2016 22:58

Tgt Ion: 264 Resp: 172079
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.0 16.9 25.3

