

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
 Data File : BF083054.D
 Acq On : 20 Nov 2015 00:34
 Operator : UM/IZ
 Sample : PB86723BSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86723BSD

Quant Time: Nov 20 06:46:09 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	107157	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	407934	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	218380	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	418360	20.00	ng	0.00
75) Chrysene-d12	13.86	240	377586	20.00	ng	0.00
86) Perylene-d12	15.23	264	343508	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	800650	116.05	ng	0.01
7) Phenol-d6	6.36	99	1203282	132.42	ng	0.01
23) Nitrobenzene-d5	7.26	82	783685	87.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	280605	121.02	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1189420	73.35	ng	-0.01
78) Terphenyl-d14	12.81	244	1290920	80.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	96377	30.81	ng	98
3) Pyridine	2.89	79	286846	33.83	ng	97
4) n-Nitrosodimethylamine	2.83	42	152812	35.62	ng	99
6) Aniline	6.36	93	317096	25.51	ng	# 86
8) 2-Chlorophenol	6.49	128	306029	39.77	ng	99
9) Benzaldehyde	6.24	77	209055	46.72	ng	98
10) Phenol	6.37	94	415876	39.28	ng	96
11) bis(2-Chloroethyl)ether	6.44	93	303549	39.46	ng	98
12) 1,3-Dichlorobenzene	6.88	146	324569	37.68	ng	96
13) 1,4-Dichlorobenzene	6.72	146	320258	36.71	ng	99
14) 1,2-Dichlorobenzene	6.88	146	324592	40.26	ng	96
15) Benzyl Alcohol	6.85	79	309212	41.36	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	476121	39.70	ng	96
17) 2-Methylphenol	6.98	107	282600	43.98	ng	99
18) Hexachloroethane	7.22	117	124191	38.73	ng	# 90
19) n-Nitroso-di-n-propylamine	7.13	70	257357	38.76	ng	97
20) 3+4-Methylphenols	6.98	107	282600	33.74	ng	77
22) Acetophenone	7.12	105	441214	38.61	ng	# 98
24) Nitrobenzene	7.29	77	371070	41.28	ng	94
25) Isophorone	7.54	82	680424	40.49	ng	97
26) 2-Nitrophenol	7.61	139	162168	41.25	ng	92
27) 2,4-Dimethylphenol	7.66	122	302864	46.62	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	391305	41.56	ng	99
29) 2,4-Dichlorophenol	7.86	162	289644	46.00	ng	97
30) 1,2,4-Trichlorobenzene	7.94	180	285741	40.98	ng	99
31) Naphthalene	8.01	128	875838	41.21	ng	99
32) Benzoic acid	7.79	122	163547	41.39	ng	95
33) 4-Chloroaniline	8.06	127	173241	18.74	ng	94
34) Hexachlorobutadiene	8.14	225	175007	40.16	ng	99
35) Caprolactam	8.43	113	65968	32.95	ng	98
36) 4-Chloro-3-methylphenol	8.57	107	334010	45.89	ng	95
37) 2-Methylnaphthalene	8.70	142	566441	40.03	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	287326	39.90	ng	98
40) Hexachlorocyclopentadiene	8.86	237	277262	82.63	ng	99

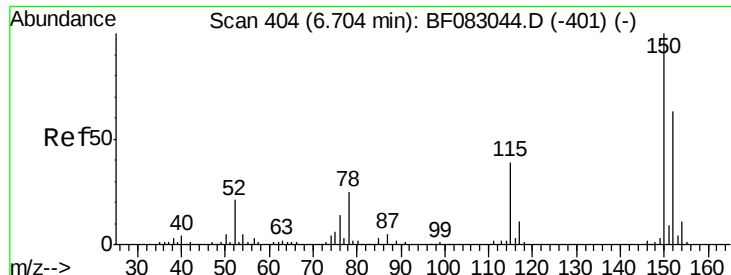
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	205630	39.35	ng	100
43) 2,4,5-Trichlorophenol	9.04	196	206016	39.54	ng	97
45) 1,1'-Biphenyl	9.17	154	763924	39.76	ng	98
46) 2-Chloronaphthalene	9.20	162	611857	41.86	ng	97
47) 2-Nitroaniline	9.29	65	200142	36.29	ng	95
48) Acenaphthylene	9.61	152	975558	40.54	ng	100
49) Dimethylphthalate	9.48	163	755737	42.05	ng	99
50) 2,6-Dinitrotoluene	9.54	165	167643	43.27	ng	87
51) Acenaphthene	9.78	154	606923	39.91	ng	99
52) 3-Nitroaniline	9.70	138	96255	21.78	ng	86
53) 2,4-Dinitrophenol	9.81	184	200940	101.77	ng	# 85
54) Dibenzofuran	9.95	168	829733	40.72	ng	98
55) 4-Nitrophenol	9.88	139	228612	75.36	ng	# 76
56) 2,4-Dinitrotoluene	9.94	165	226326	43.65	ng	99
57) Fluorene	10.29	166	698210	42.58	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	190732	45.29	ng	98
59) Diethylphthalate	10.18	149	716421	40.87	ng	99
60) 4-Chlorophenyl-phenylether	10.29	204	307702	40.07	ng	94
61) 4-Nitroaniline	10.32	138	176929	39.20	ng	95
62) Azobenzene	10.44	77	792303	40.36	ng	84
64) 4,6-Dinitro-2-methylphenol	10.35	198	125553	47.07	ng	91
65) n-Nitrosodiphenylamine	10.41	169	578041	39.43	ng	100
66) 4-Bromophenyl-phenylether	10.77	248	190238	39.26	ng	92
67) Hexachlorobenzene	10.84	284	221206	41.73	ng	92
68) Atrazine	10.94	200	224687	48.92	ng	98
69) Pentachlorophenol	11.04	266	234932	86.86	ng	100
70) Phenanthrene	11.24	178	1021209	40.46	ng	100
71) Anthracene	11.30	178	1066210	41.93	ng	99
72) Carbazole	11.46	167	1016583	45.74	ng	99
73) Di-n-butylphthalate	11.80	149	1195645	42.66	ng	99
74) Fluoranthene	12.43	202	1101734	41.88	ng	99
76) Benzidine	12.56	184	490504	39.70	ng	98
77) Pyrene	12.66	202	1196952	45.03	ng	100
79) Butylbenzylphthalate	13.29	149	475927	40.52	ng	97
80) Benzo(a)anthracene	13.85	228	1046320	43.60	ng	100
81) 3,3'-Dichlorobenzidine	13.81	252	224405	27.78	ng	# 95
82) Chrysene	13.88	228	934009	42.45	ng	99
83) Bis(2-ethylhexyl)phthalate	13.86	149	689805	44.91	ng	100
84) Di-n-octyl phthalate	14.47	149	1091352	43.62	ng	98
85) Indeno(1,2,3-cd)pyrene	16.53	276	819699	45.79	ng	100
87) Benzo(b)fluoranthene	14.85	252	1693478	70.50	ng	99
88) Benzo(k)fluoranthene	14.85	252	1693478	92.55	ng	# 98
89) Benzo(a)pyrene	15.19	252	824264	42.76	ng	99
90) Dibenzo(a,h)anthracene	16.56	278	687888	41.01	ng	98
91) Benzo(g,h,i)perylene	16.92	276	673096	41.14	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

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PB86723BSD

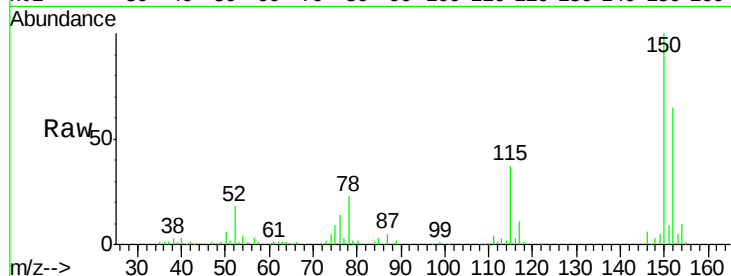
Tgt Ion:152 Resp: 107157

Ion Ratio Lower Upper

152 100

150 154.1 126.4 189.6

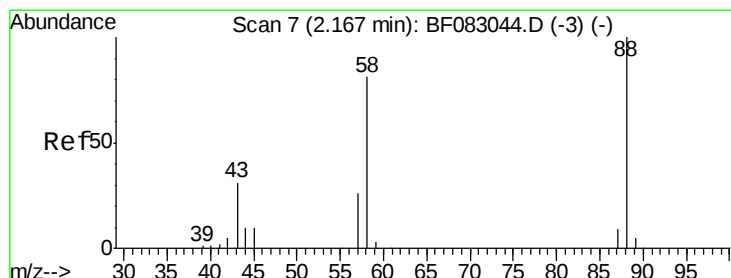
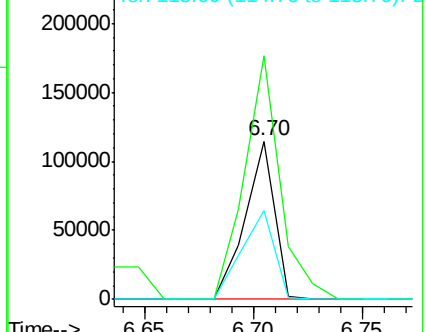
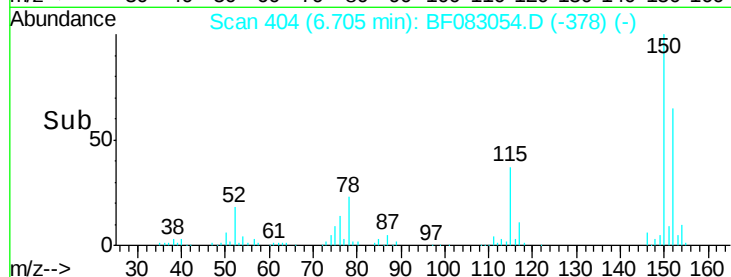
115 56.5 49.0 73.6



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



#2

1,4-Dioxane

Concen: 30.81 ng

RT: 2.22 min Scan# 12

Delta R.T. 0.06 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

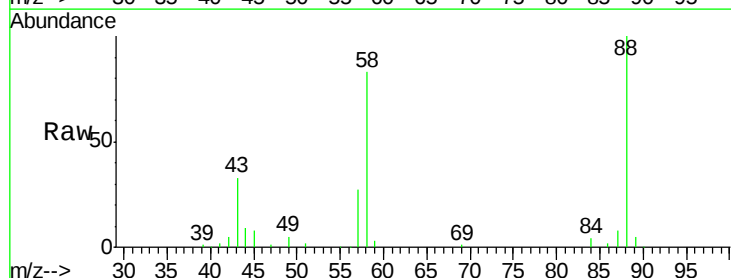
Tgt Ion: 88 Resp: 96377

Ion Ratio Lower Upper

88 100

58 83.3 64.8 97.2

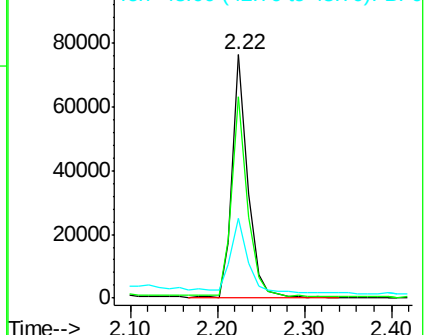
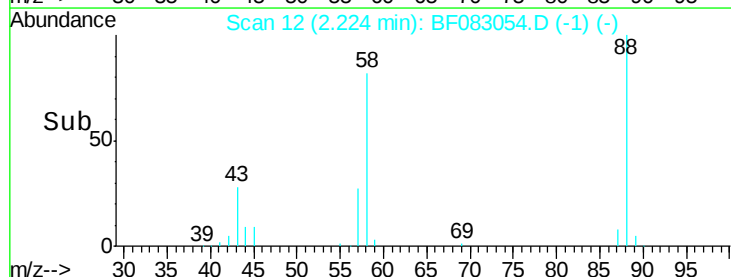
43 32.9 26.2 39.4

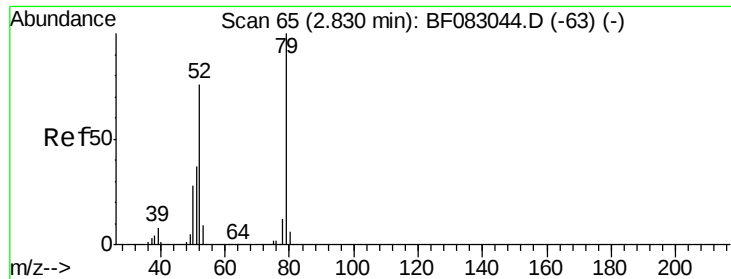


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 33.83 ng

RT: 2.89 min Scan# 70

Delta R.T. 0.06 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

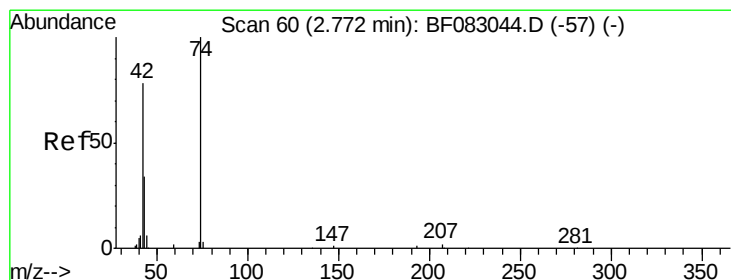
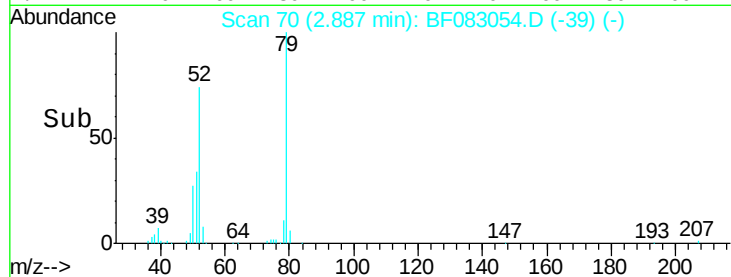
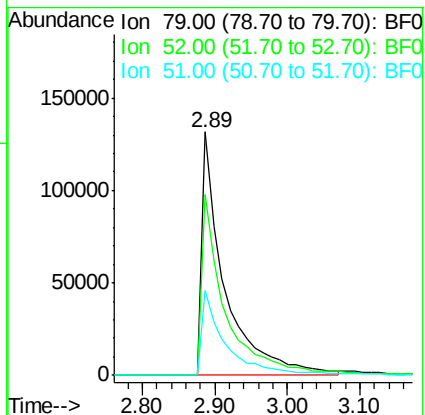
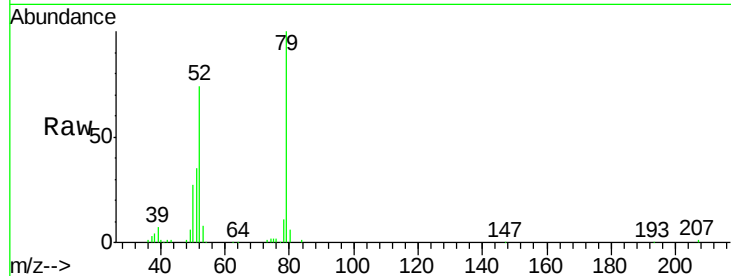
Tgt Ion: 79 Resp: 286846

Ion Ratio Lower Upper

79 100

52 74.1 61.0 91.4

51 34.7 30.0 45.0



#4

n-Nitrosodimethylamine

Concen: 35.62 ng

RT: 2.83 min Scan# 65

Delta R.T. 0.06 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

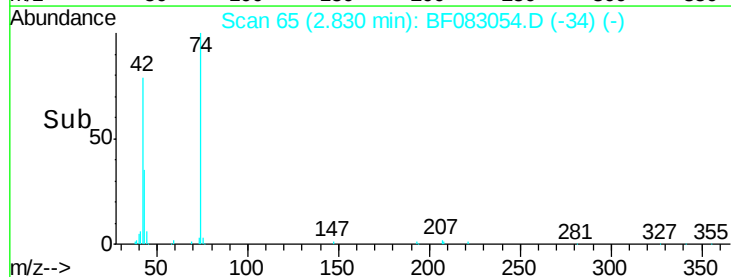
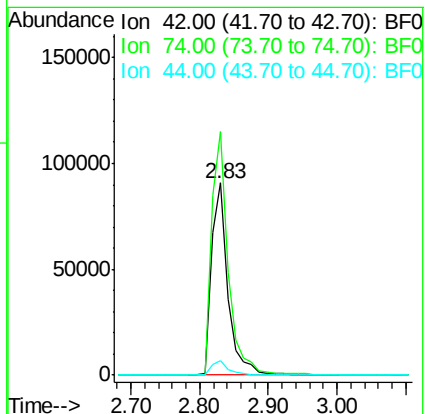
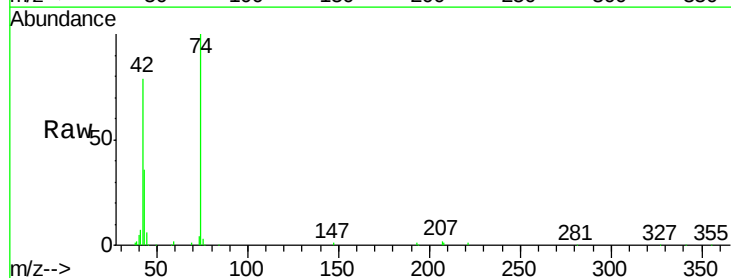
Tgt Ion: 42 Resp: 152812

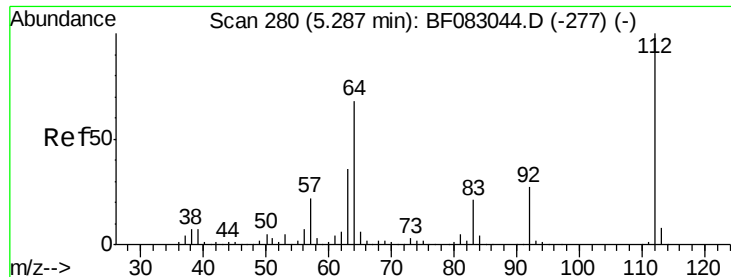
Ion Ratio Lower Upper

42 100

74 126.8 102.4 153.6

44 7.6 5.8 8.8





#5

2-Fluorophenol

Concen: 116.05 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

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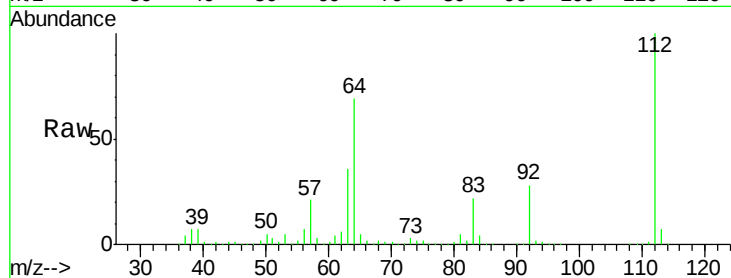
Tgt Ion: 112 Resp: 800650

Ion Ratio Lower Upper

112 100

64 68.7 54.8 82.2

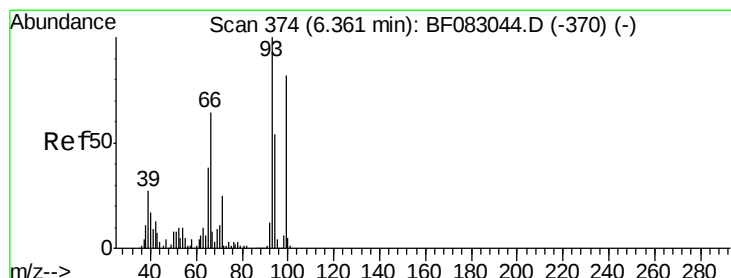
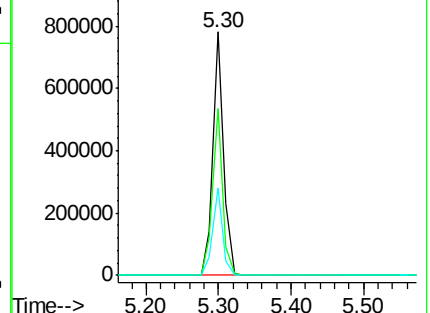
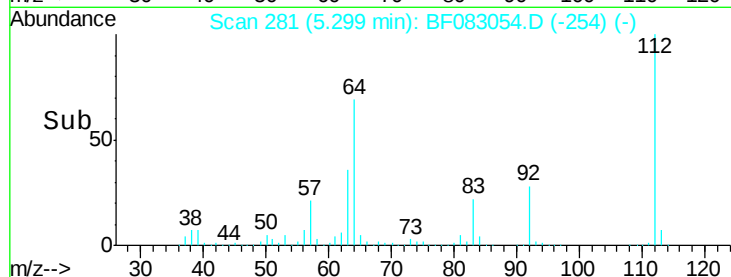
63 35.8 29.0 43.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 25.51 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

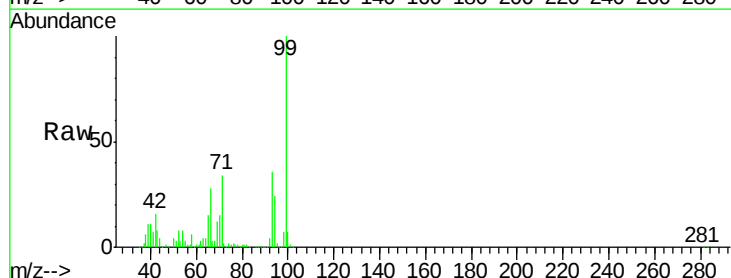
Tgt Ion: 93 Resp: 317096

Ion Ratio Lower Upper

93 100

66 78.0 51.4 77.2#

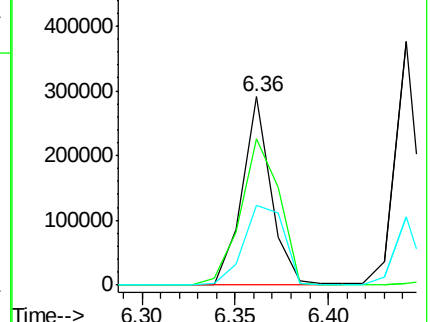
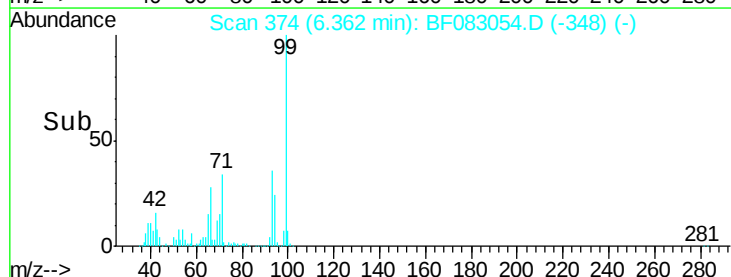
65 42.5 30.7 46.1

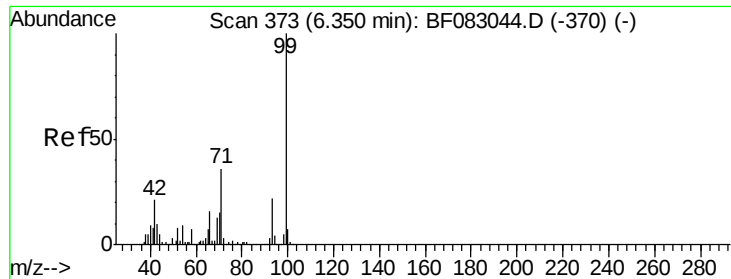


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.42 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

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ClientSampleId :

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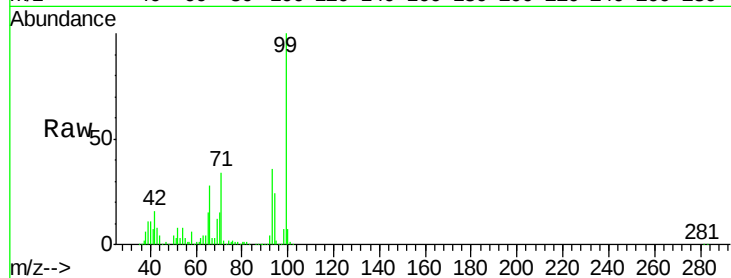
Tgt Ion: 99 Resp: 1203282

Ion Ratio Lower Upper

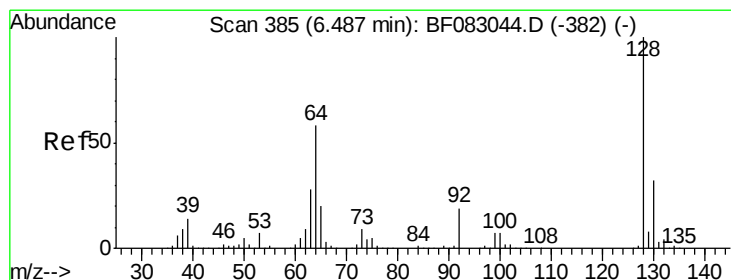
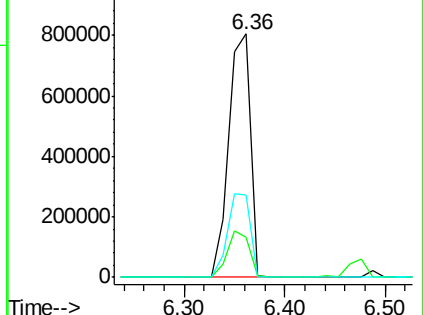
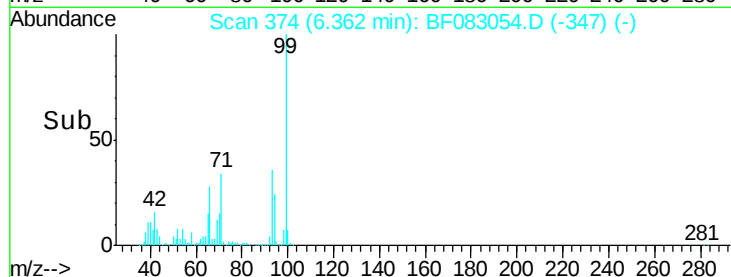
99 100

42 16.3 16.6 25.0#

71 33.6 29.2 43.8



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: 39.77 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

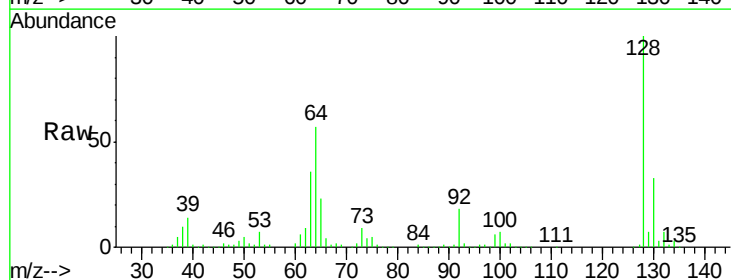
Tgt Ion: 128 Resp: 306029

Ion Ratio Lower Upper

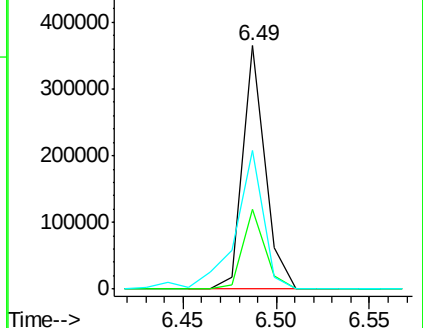
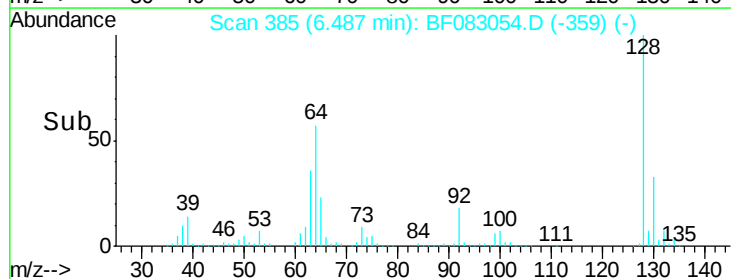
128 100

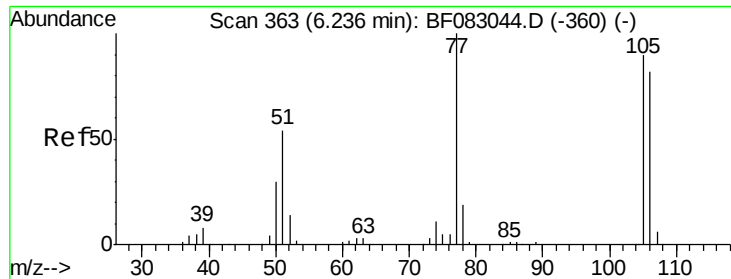
130 32.5 12.3 52.3

64 56.9 38.3 78.3



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





#9

Benzaldehyde

Concen: 46.72 ng

RT: 6.24 min Scan# 363

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

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ClientSampleId :

PB86723BSD

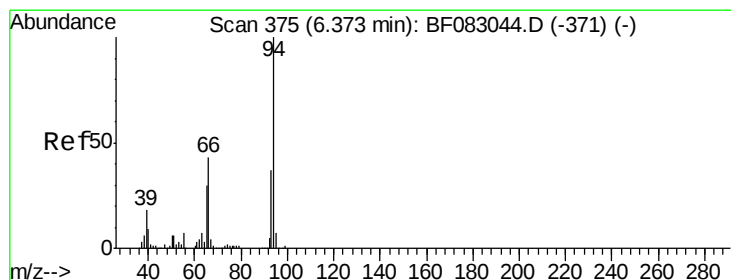
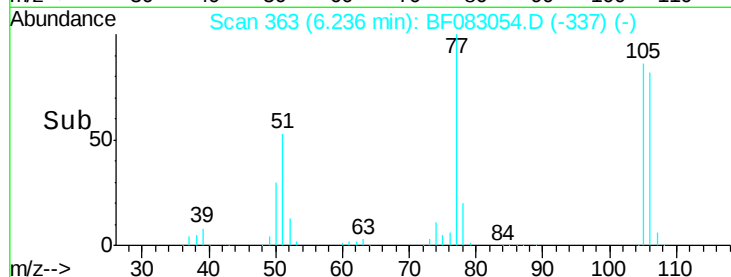
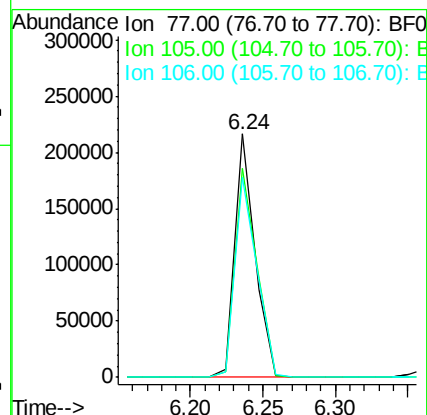
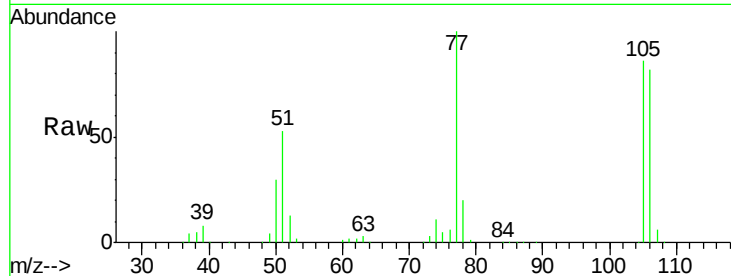
Tgt Ion: 77 Resp: 209055

Ion Ratio Lower Upper

77 100

105 86.0 69.6 109.6

106 82.1 62.0 102.0



#10

Phenol

Concen: 39.28 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

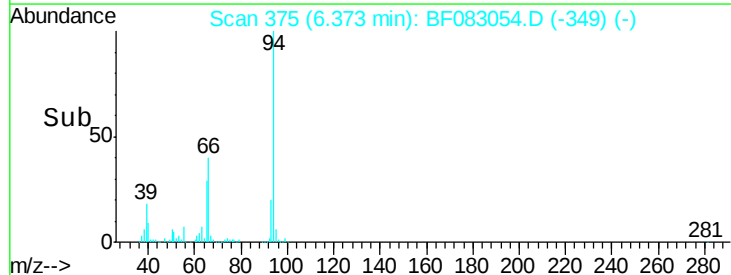
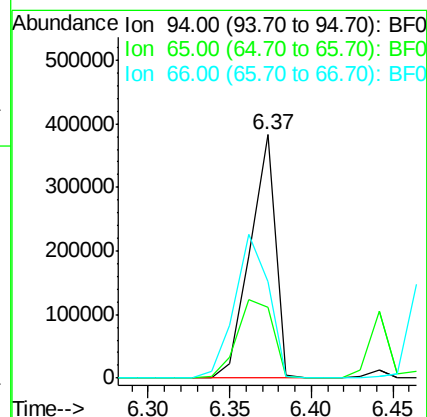
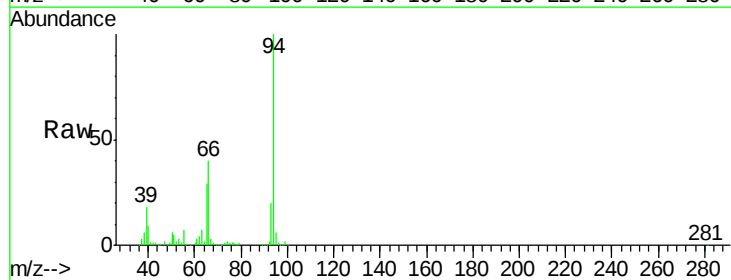
Tgt Ion: 94 Resp: 415876

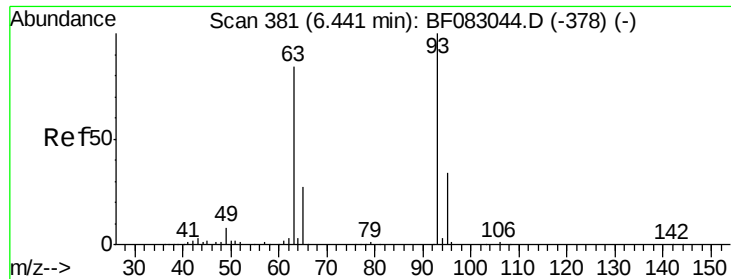
Ion Ratio Lower Upper

94 100

65 28.9 10.1 50.1

66 39.6 23.2 63.2

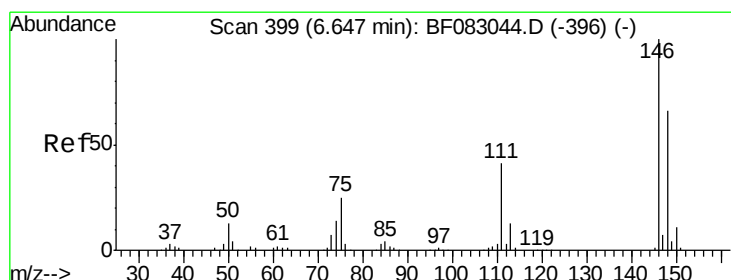
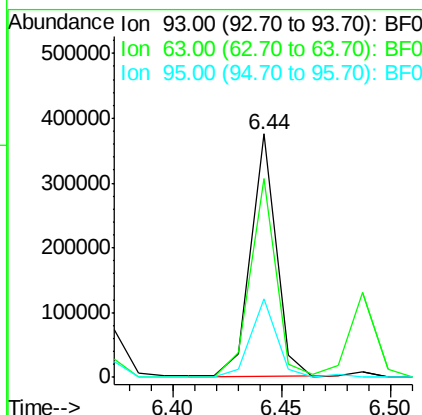
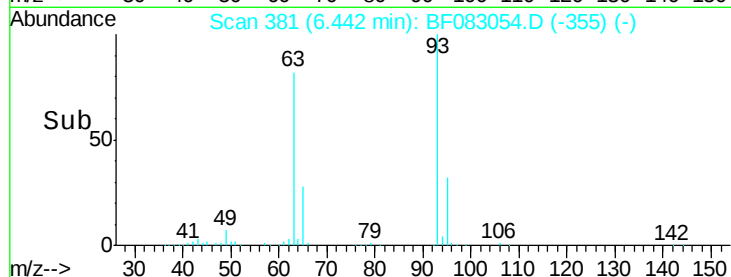
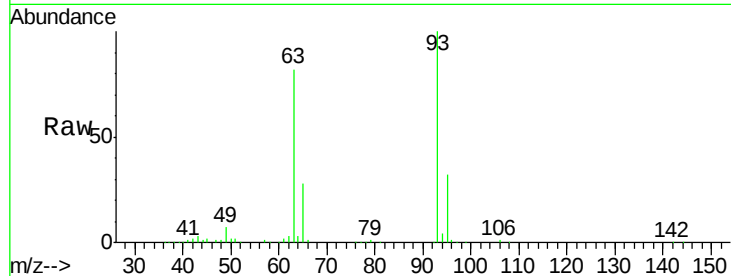




#11
bis(2-Chloroethyl)ether
Concen: 39.46 ng
RT: 6.44 min Scan# 381
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

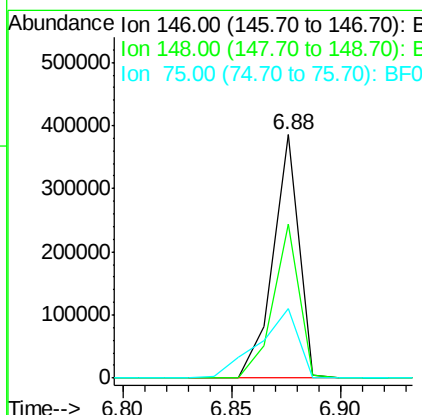
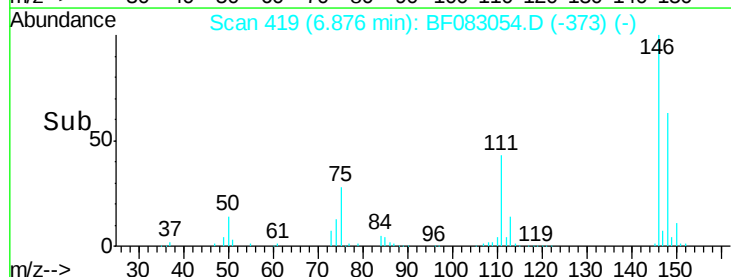
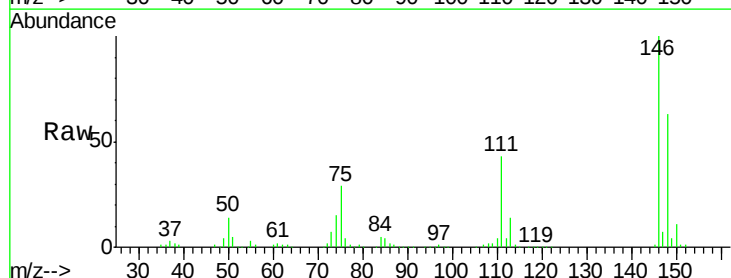
Instrument :
BNA_F
ClientSampleId :
PB86723BSD

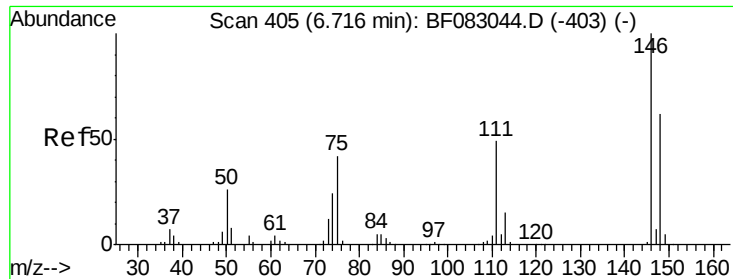
Tgt Ion: 93 Resp: 303549
Ion Ratio Lower Upper
93 100
63 81.7 63.6 103.6
95 32.4 13.8 53.8



#12
1,3-Dichlorobenzene
Concen: 37.68 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.23 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion: 146 Resp: 324569
Ion Ratio Lower Upper
146 100
148 63.2 52.8 79.2
75 28.6 20.3 30.5

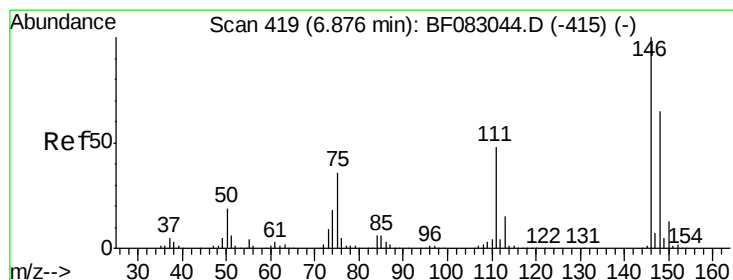
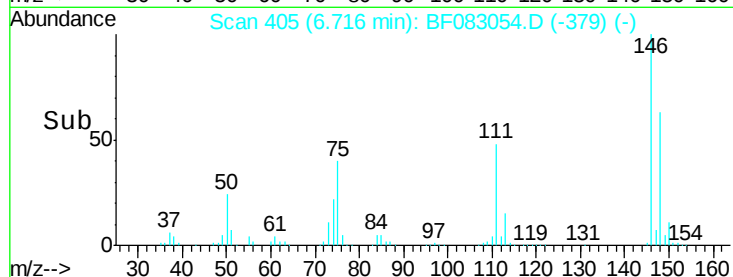
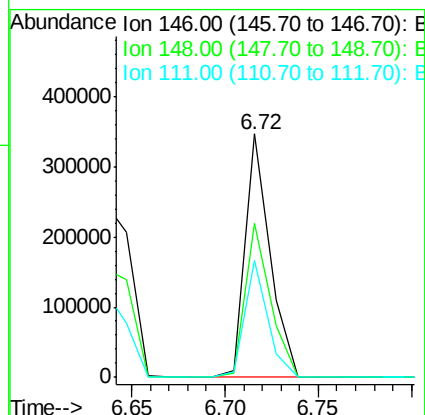
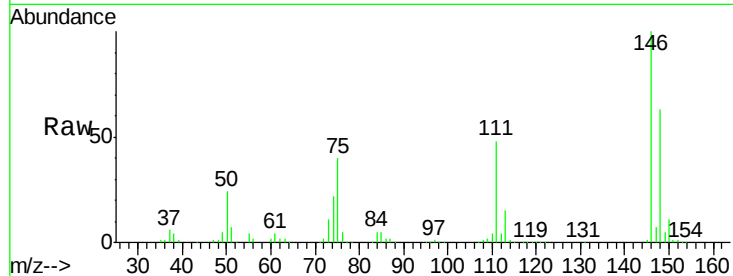




#13
 1,4-Dichlorobenzene
 Concen: 36.71 ng
 RT: 6.72 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

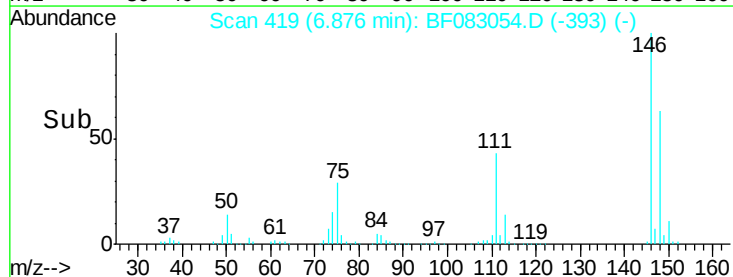
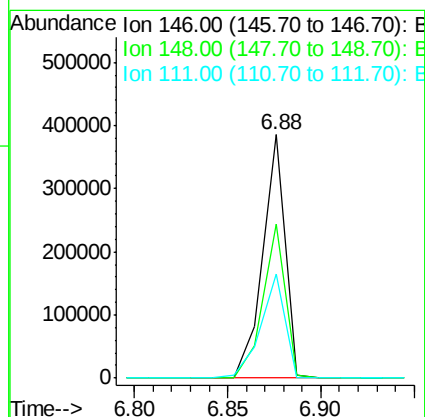
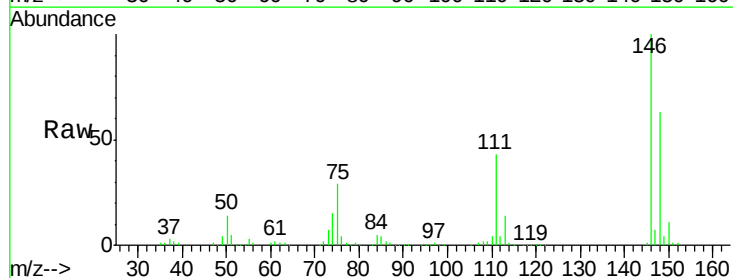
Instrument :
 BNA_F
 ClientSampleId :
 PB86723BSD

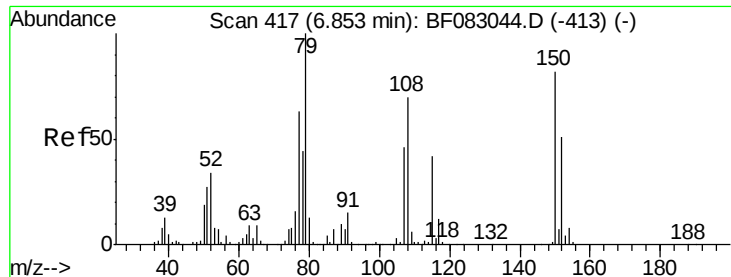
Tgt Ion:146 Resp: 320258
 Ion Ratio Lower Upper
 146 100
 148 63.1 49.6 74.4
 111 48.1 39.0 58.6



#14
 1,2-Dichlorobenzene
 Concen: 40.26 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Tgt Ion:146 Resp: 324592
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.8 77.6
 111 42.8 38.2 57.2





#15

Benzyl Alcohol

Concen: 41.36 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

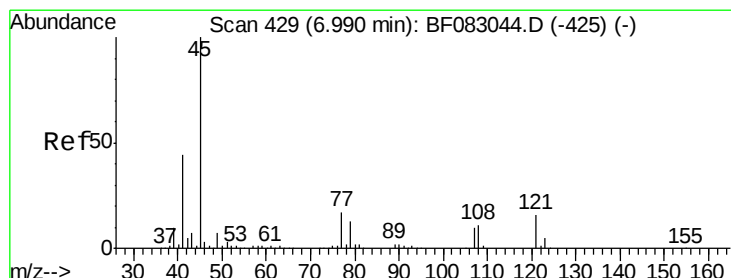
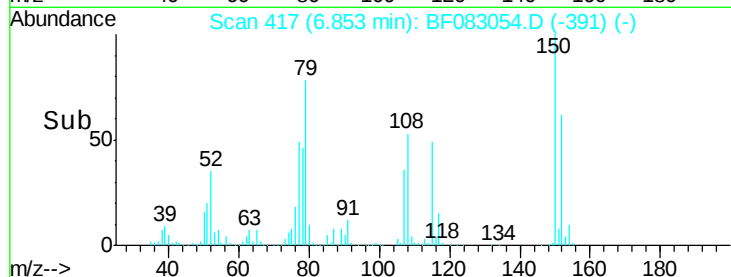
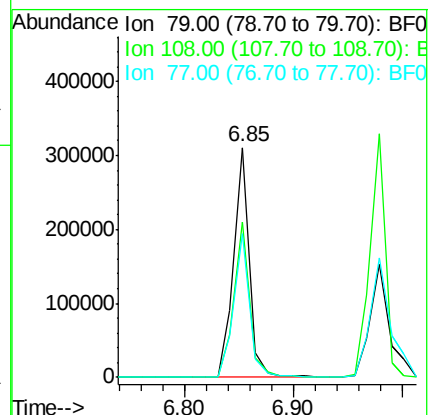
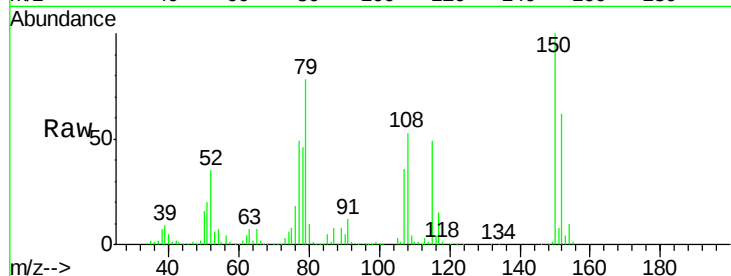
Tgt Ion: 79 Resp: 309212

Ion Ratio Lower Upper

79 100

108 67.7 55.7 83.5

77 62.5 50.7 76.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.70 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

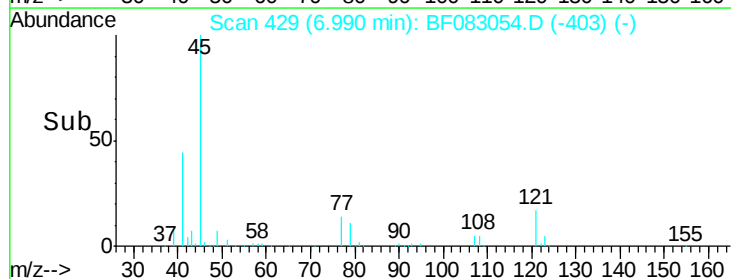
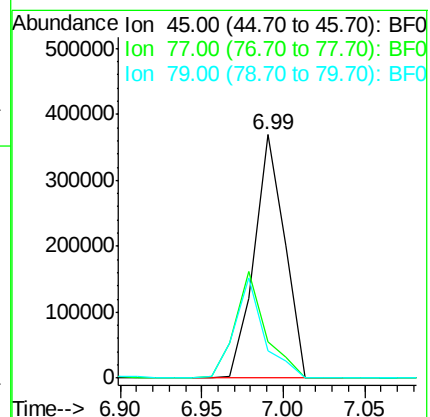
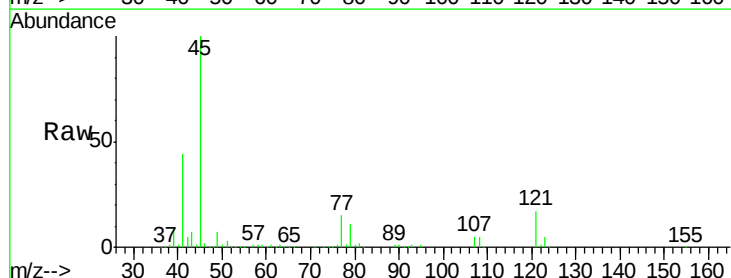
Tgt Ion: 45 Resp: 476121

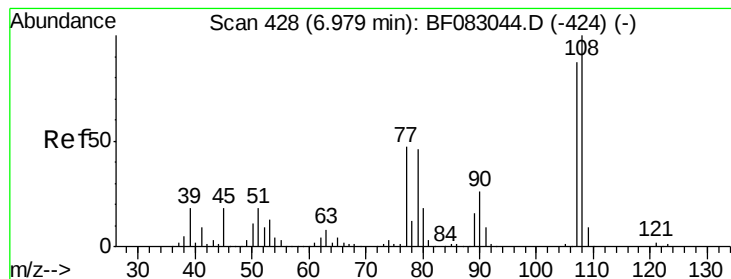
Ion Ratio Lower Upper

45 100

77 15.0 0.0 36.7

79 11.3 0.0 33.0





#17

2-Methylphenol

Concen: 43.98 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

Tgt Ion:107 Resp: 282600

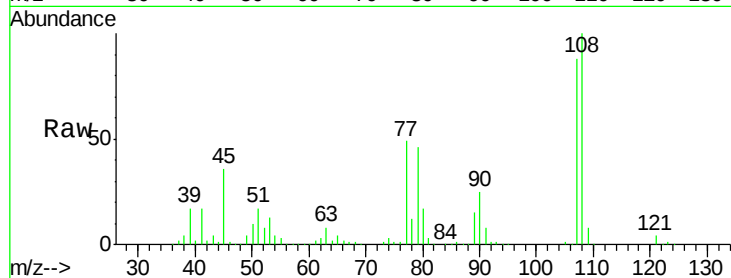
Ion Ratio Lower Upper

107 100

108 114.3 92.3 138.5

77 55.9 43.9 65.9

79 52.8 42.6 64.0



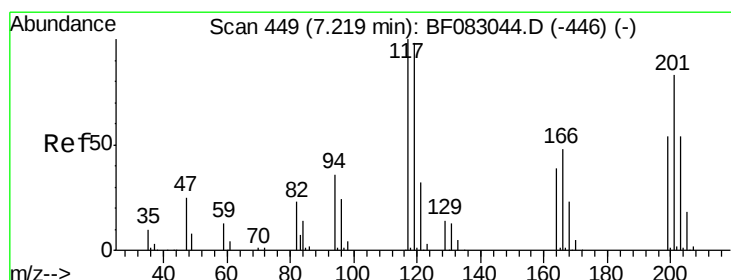
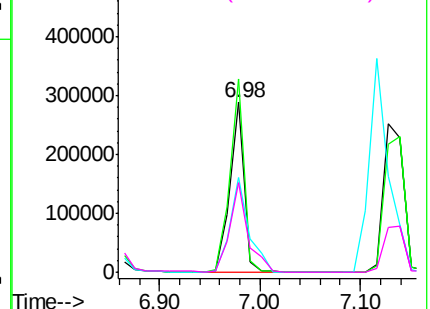
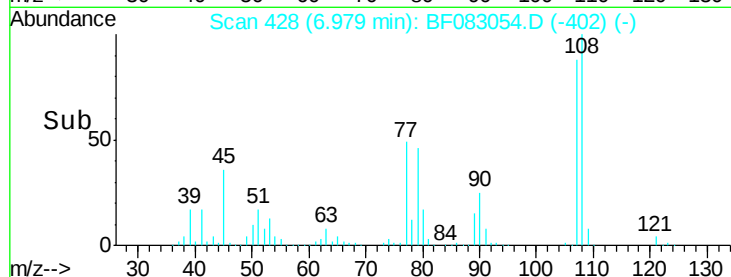
Abundance

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



#18

Hexachloroethane

Concen: 38.73 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

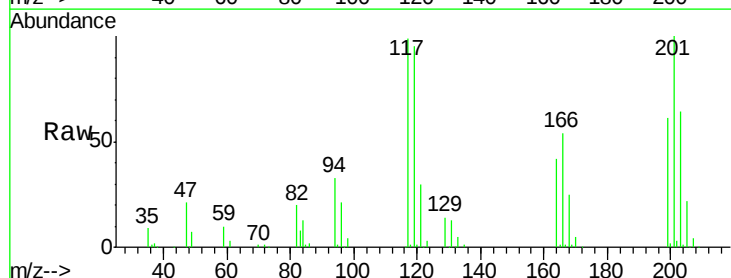
Tgt Ion:117 Resp: 124191

Ion Ratio Lower Upper

117 100

119 96.2 78.3 117.5

201 101.5 66.5 99.7#

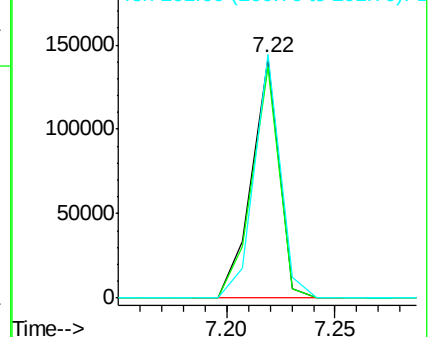
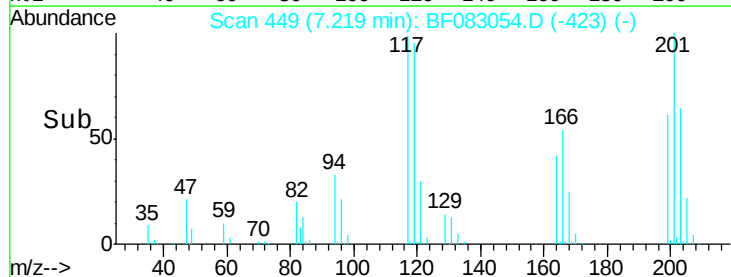


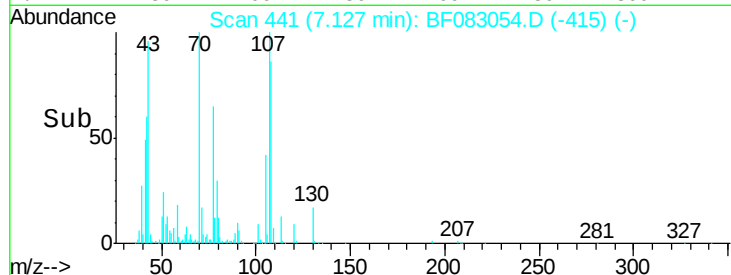
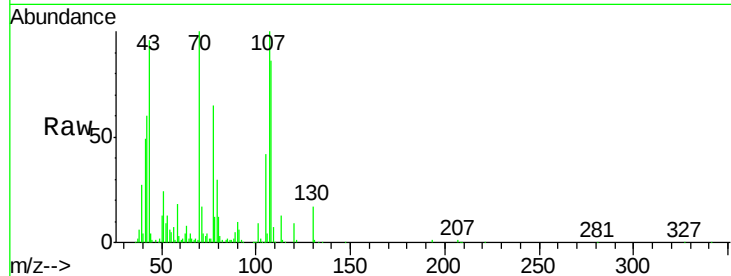
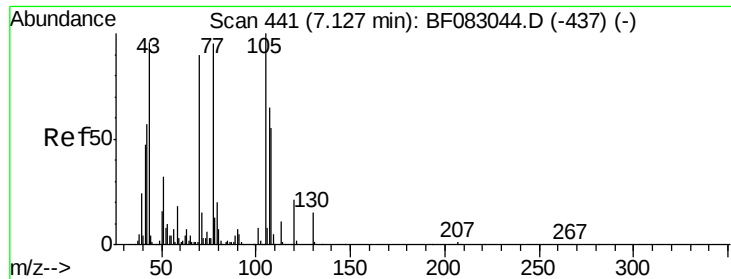
Abundance

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

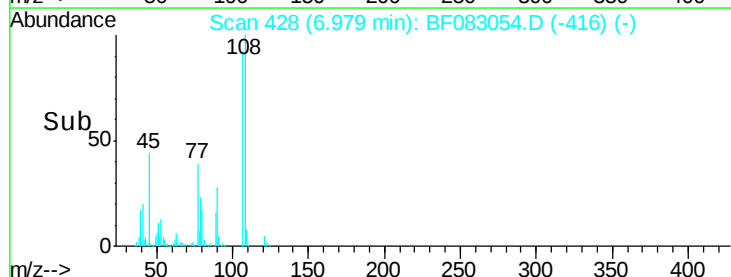
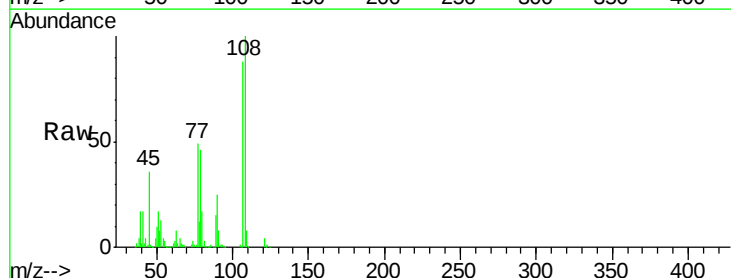
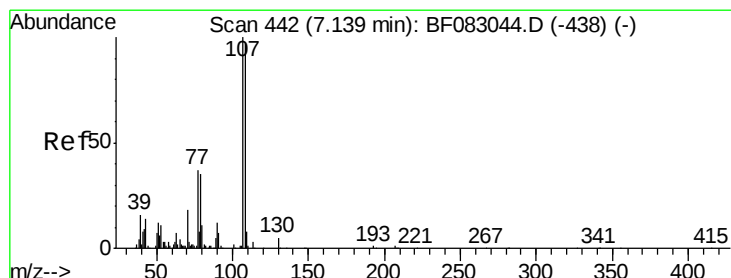
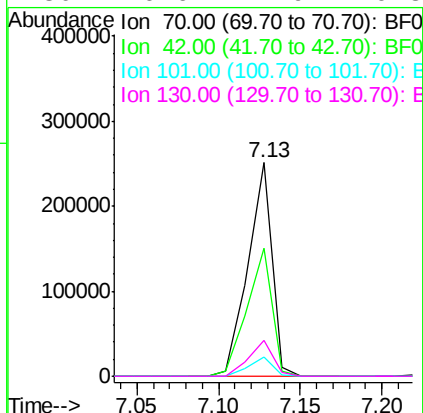




#19
n-Nitroso-di-n-propylamine
Concen: 38.76 ng
RT: 7.13 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

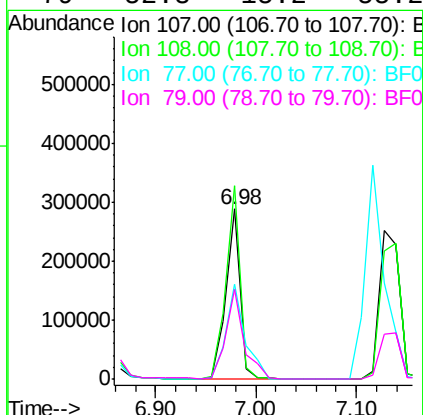
Instrument :
BNA_F
ClientSampleId :
PB86723BSD

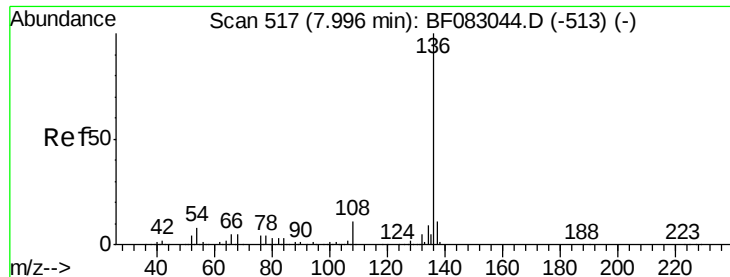
Tgt Ion:	70	Resp:	257357
Ion	Ratio	Lower	Upper
70	100		
42	60.2	50.2	75.2
101	9.0	6.8	10.2
130	16.6	12.9	19.3



#20
3+4-Methylphenols
Concen: 33.74 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.16 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion:	107	Resp:	282600
Ion	Ratio	Lower	Upper
107	100		
108	114.3	77.4	117.4
77	55.9	16.7	56.7
79	52.8	15.2	55.2

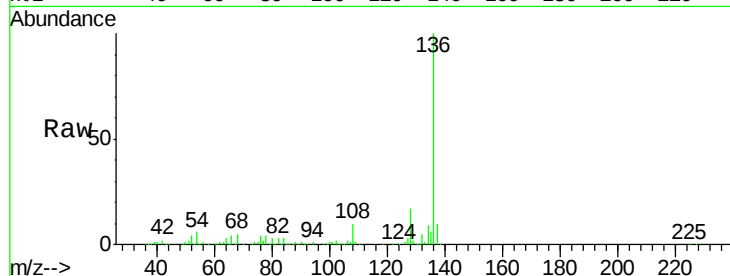




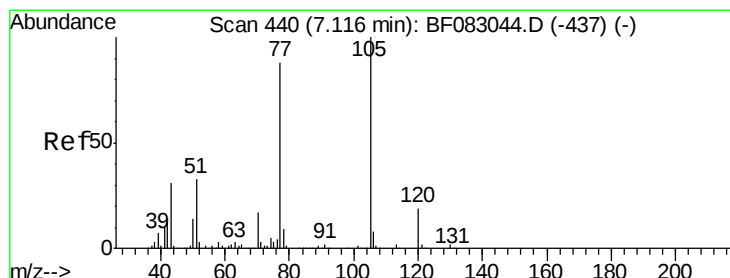
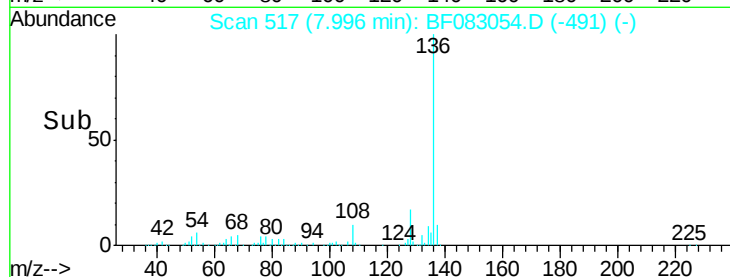
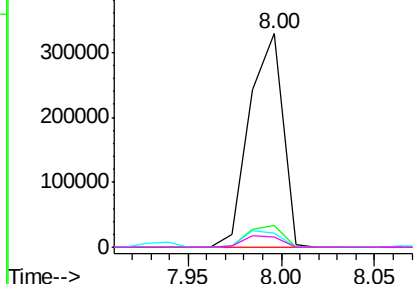
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
PB86723BSD

Tgt Ion:	136	Resp:	407934
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	12.8
54	6.4	6.2	9.2
68	4.7	4.2	6.2

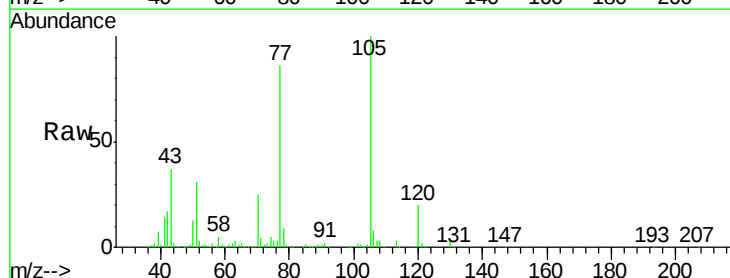


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

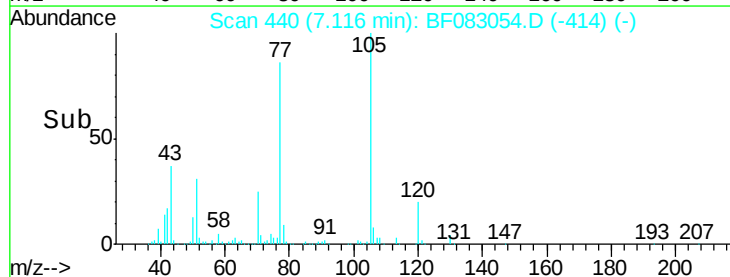
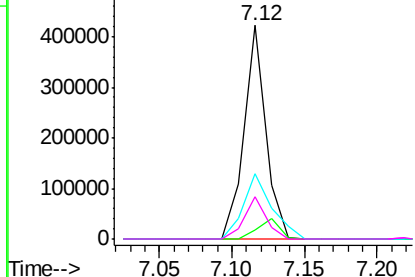


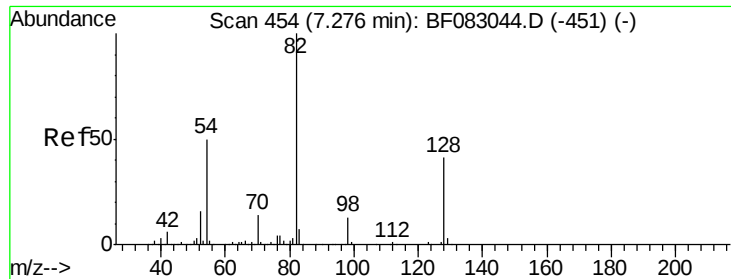
#22
Acetophenone
Concen: 38.61 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion:	105	Resp:	441214
Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.3	3.5#
51	30.8	26.1	39.1
120	19.6	15.3	22.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

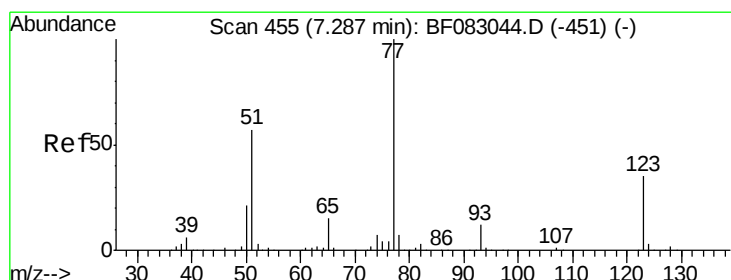
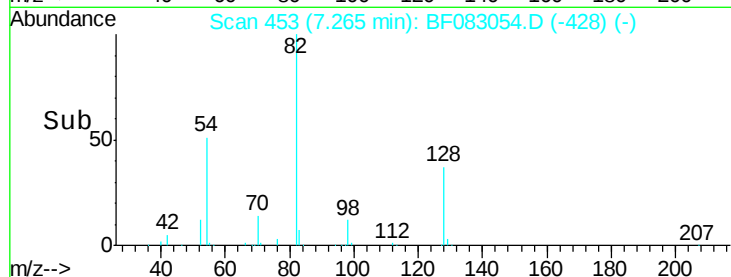
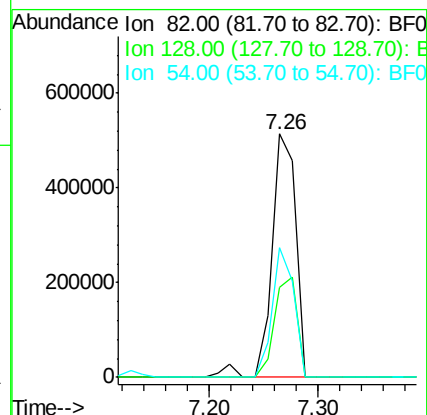
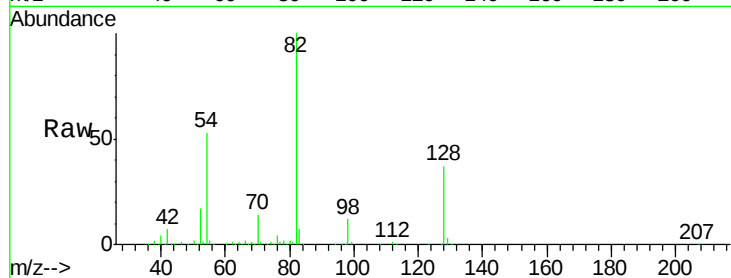




#23
 Nitrobenzene-d5
 Concen: 87.95 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

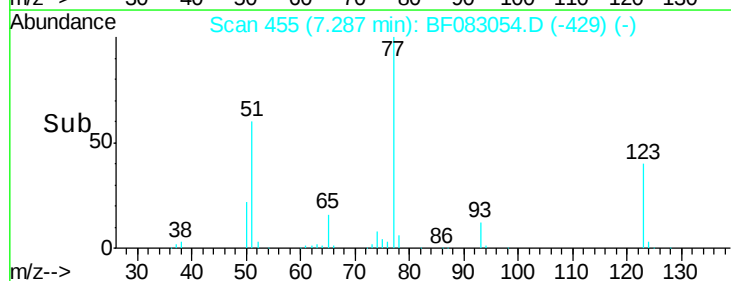
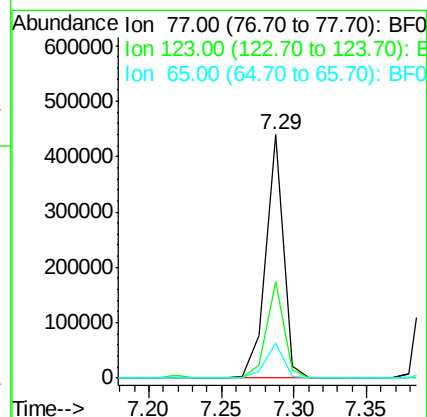
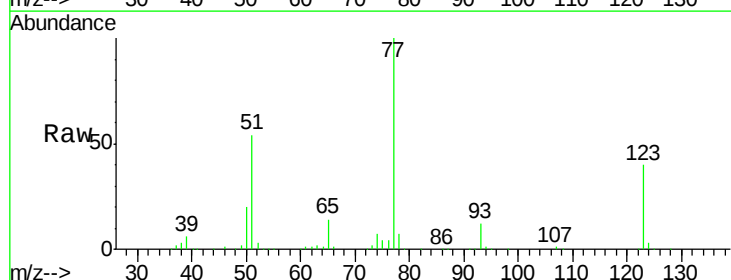
Instrument :
 BNA_F
 ClientSampleId :
 PB86723BSD

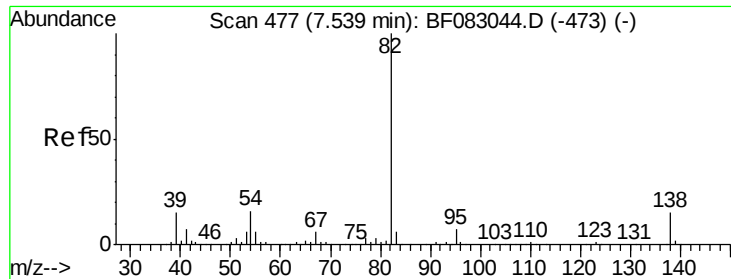
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.1	49.7
54	53.2	39.8	59.6



#24
 Nitrobenzene
 Concen: 41.28 ng
 RT: 7.29 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.7	28.2	42.4
65	14.5	11.8	17.8





#25

Isophorone

Concen: 40.49 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

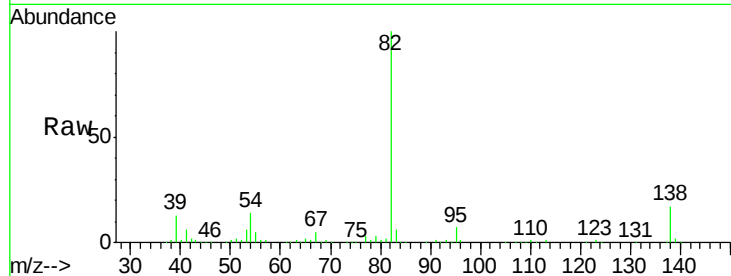
Tgt Ion: 82 Resp: 680424

Ion Ratio Lower Upper

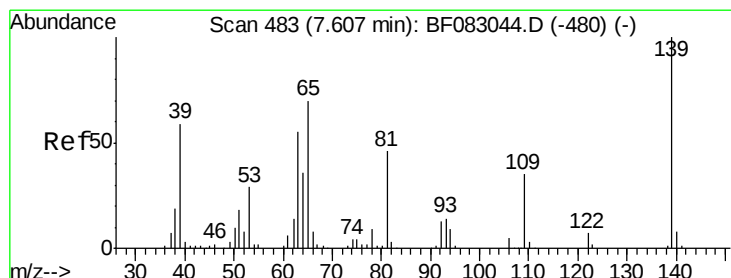
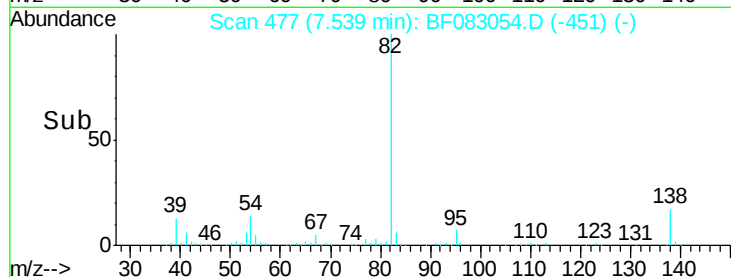
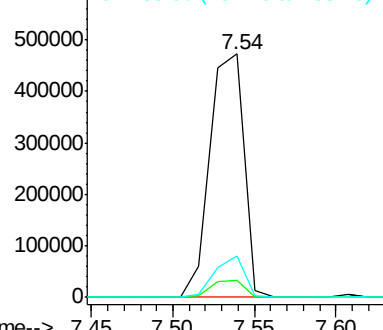
82 100

95 7.0 5.7 8.5

138 17.1 12.2 18.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 41.25 ng

RT: 7.61 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

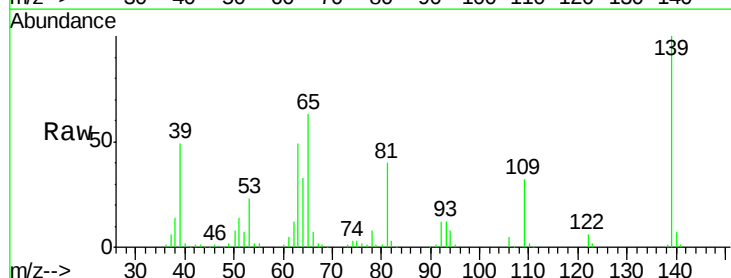
Tgt Ion: 139 Resp: 162168

Ion Ratio Lower Upper

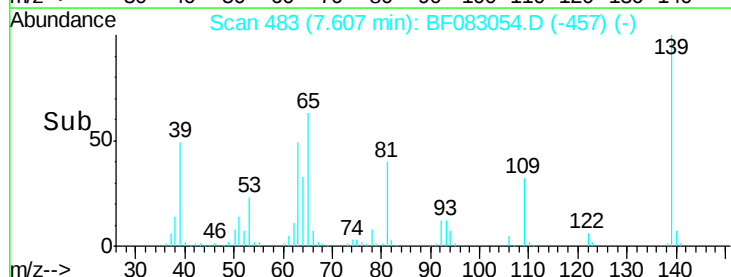
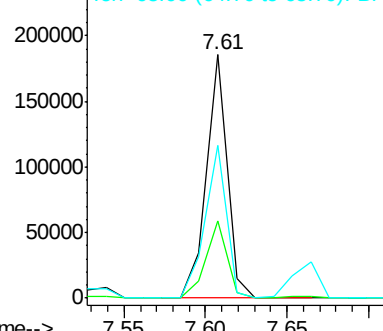
139 100

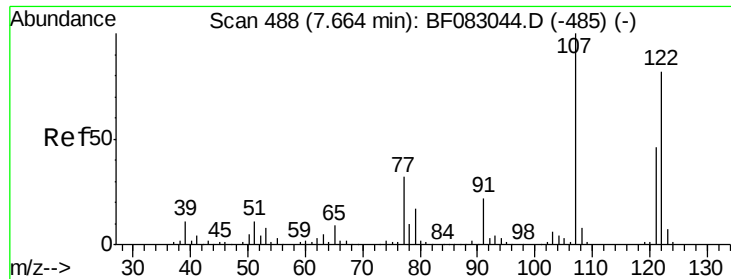
109 31.8 27.8 41.6

65 62.7 56.4 84.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

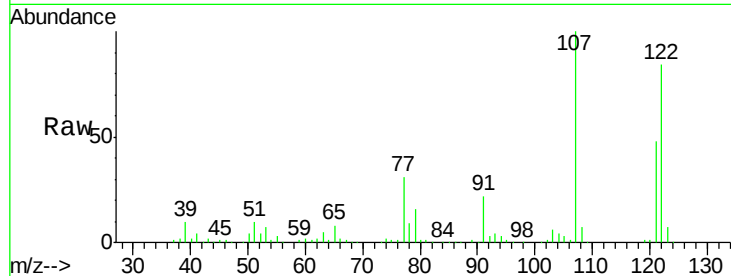




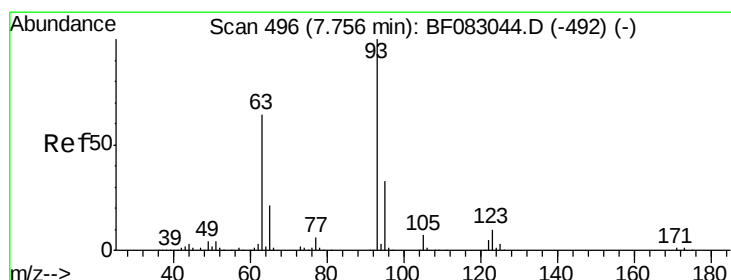
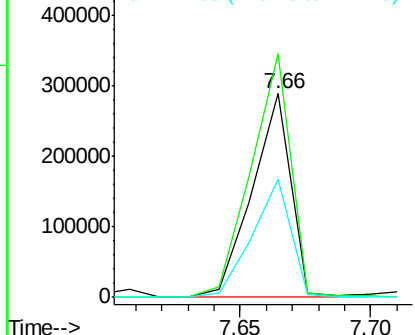
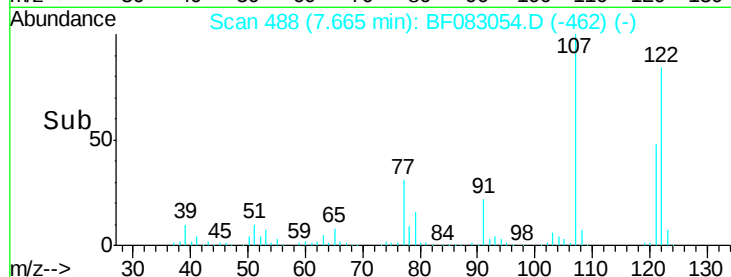
#27
 2,4-Dimethylphenol
 Concen: 46.62 ng
 RT: 7.66 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86723BSD

Tgt Ion:122 Resp: 302864
 Ion Ratio Lower Upper
 122 100
 107 119.6 97.5 146.3
 121 57.9 45.3 67.9

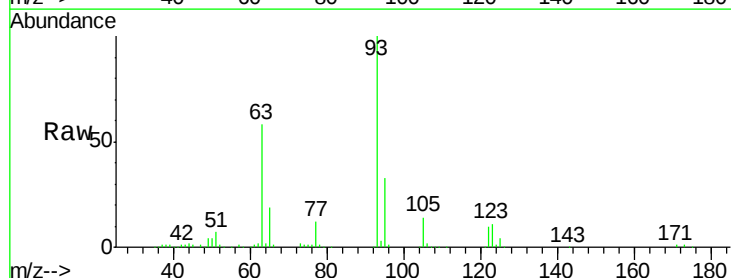


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

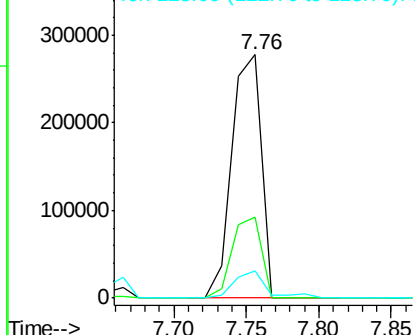
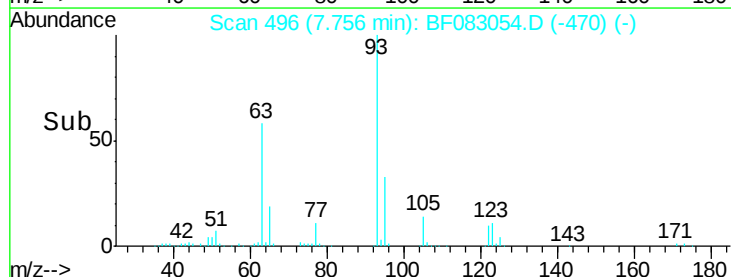


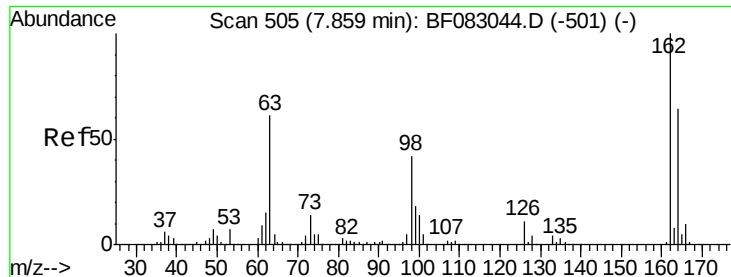
#28
 bis(2-Chloroethoxy)methane
 Concen: 41.56 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Tgt Ion: 93 Resp: 391305
 Ion Ratio Lower Upper
 93 100
 95 33.4 26.2 39.2
 123 11.5 8.5 12.7



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

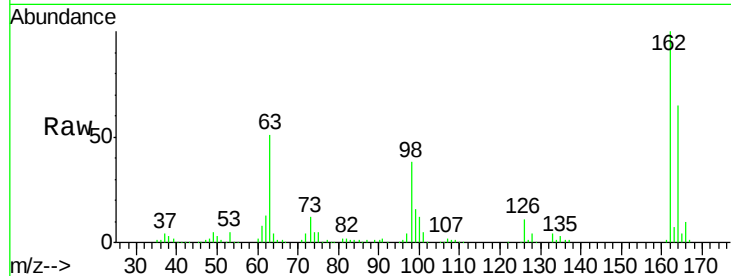




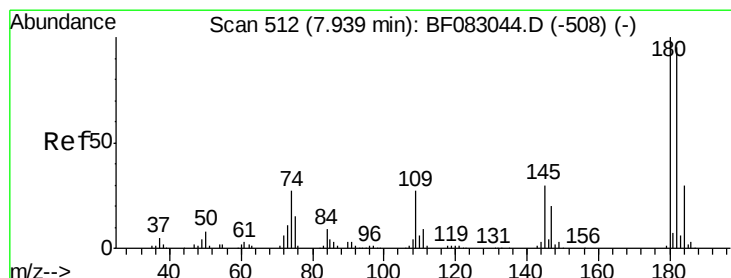
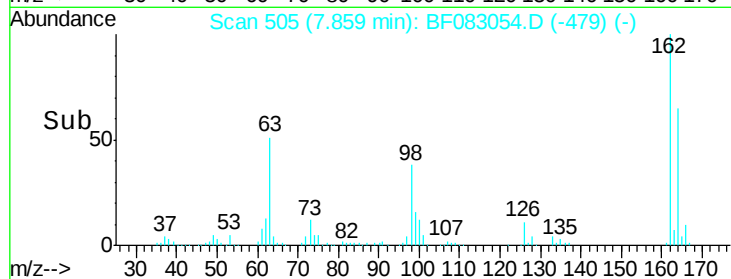
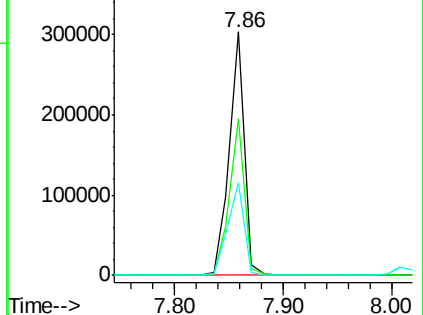
#29
2,4-Dichlorophenol
Concen: 46.00 ng
RT: 7.86 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
PB86723BSD

Tgt Ion:162 Resp: 289644
Ion Ratio Lower Upper
162 100
164 64.5 44.1 84.1
98 38.0 21.6 61.6

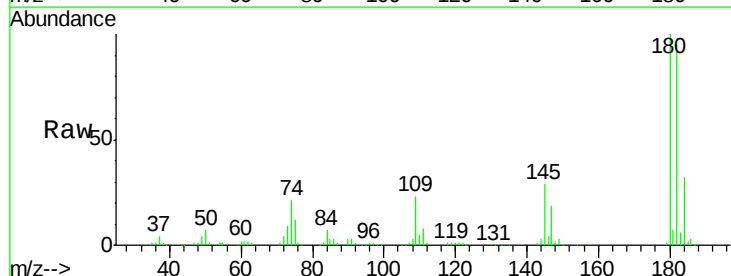


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

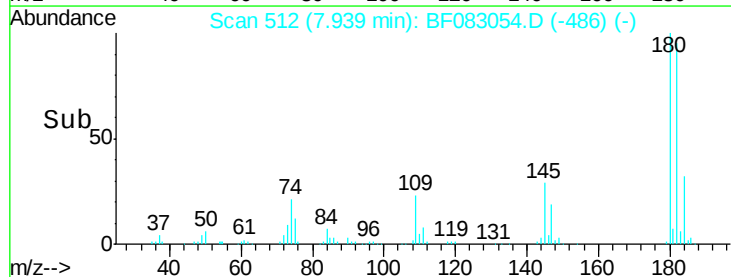
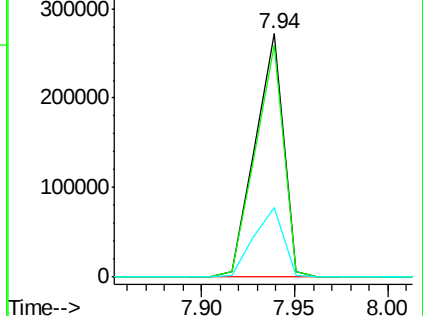


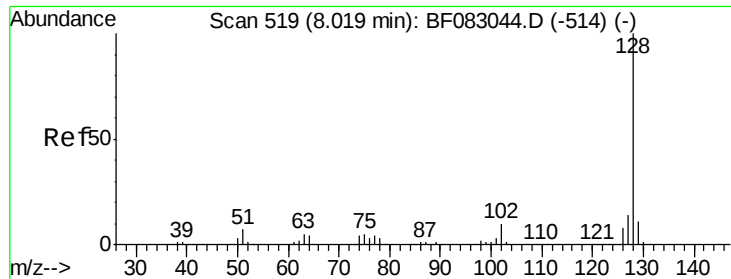
#30
1,2,4-Trichlorobenzene
Concen: 40.98 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion:180 Resp: 285741
Ion Ratio Lower Upper
180 100
182 95.5 76.2 114.4
145 28.8 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

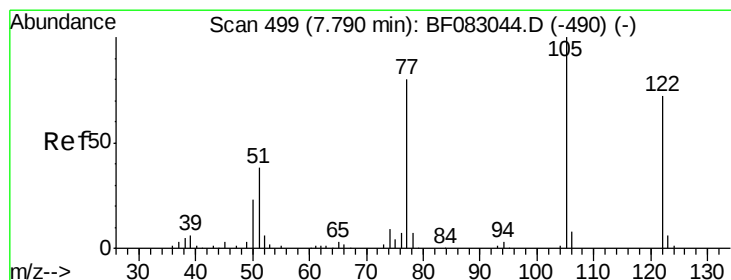
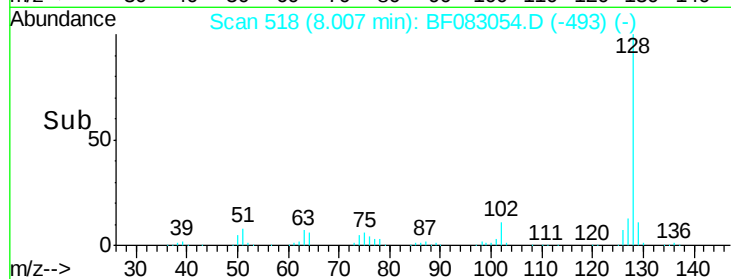
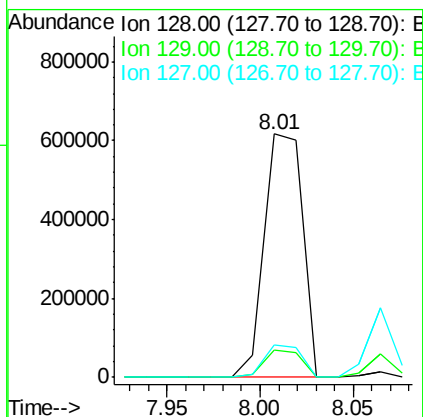
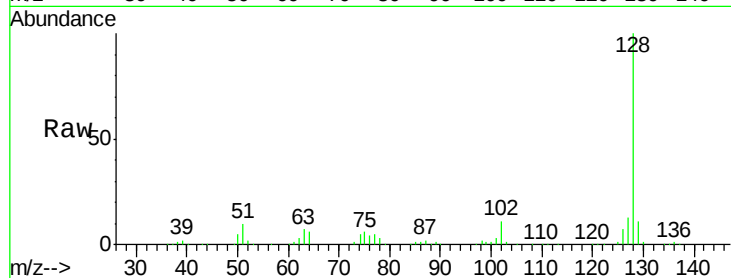




#31
Naphthalene
Concen: 41.21 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

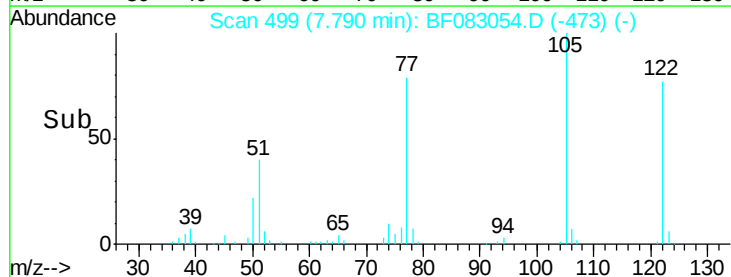
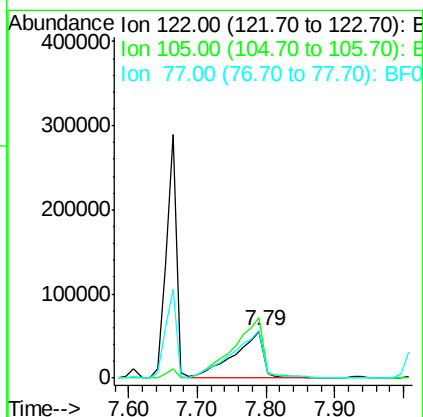
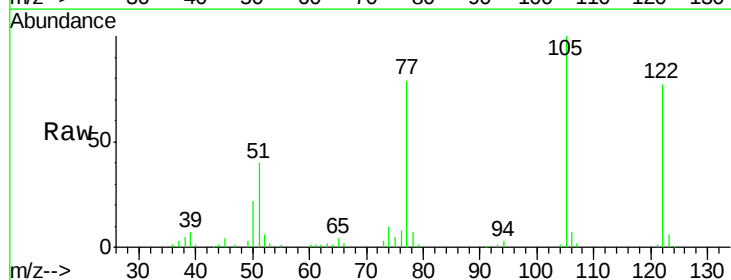
Instrument :
BNA_F
ClientSampleId :
PB86723BSD

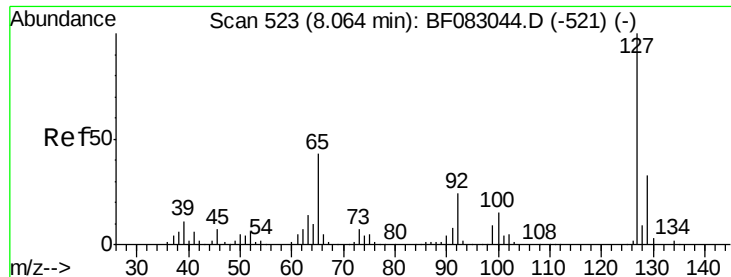
Tgt Ion:128 Resp: 875838
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.1 10.9 16.3



#32
Benzoic acid
Concen: 41.39 ng
RT: 7.79 min Scan# 499
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion:122 Resp: 163547
Ion Ratio Lower Upper
122 100
105 130.1 115.0 155.0
77 102.5 89.0 129.0

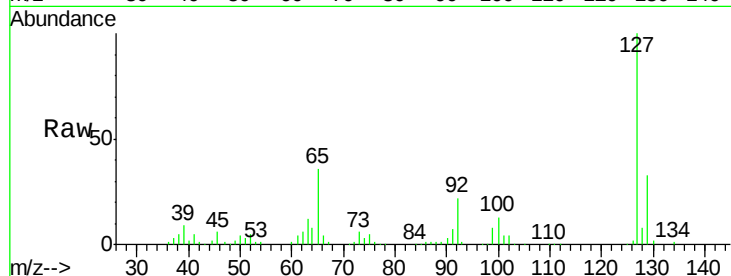




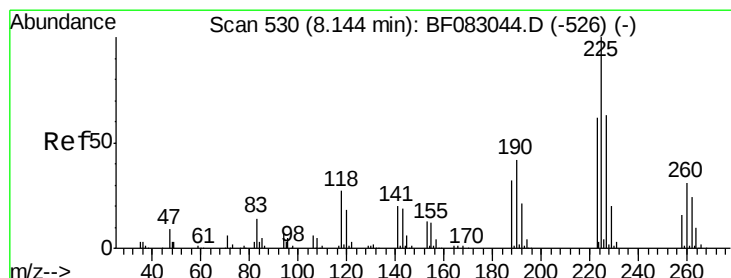
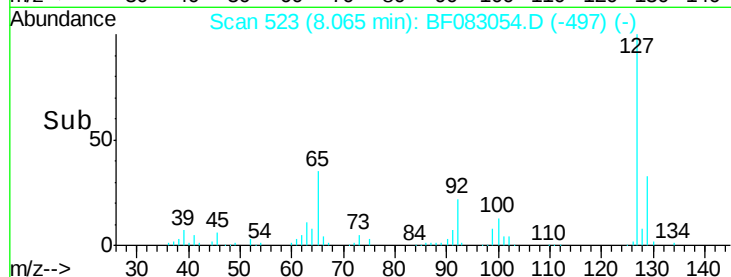
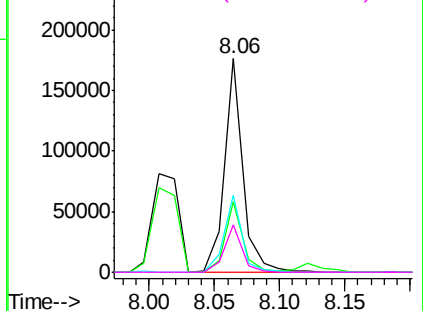
#33
4-Chloroaniline
Concen: 18.74 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
PB86723BSD

Tgt Ion:	127	Resp:	173241
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.1	39.1
65	35.9	34.4	51.6
92	22.0	19.5	29.3

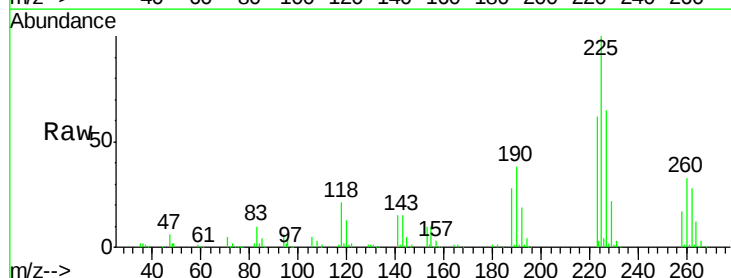


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

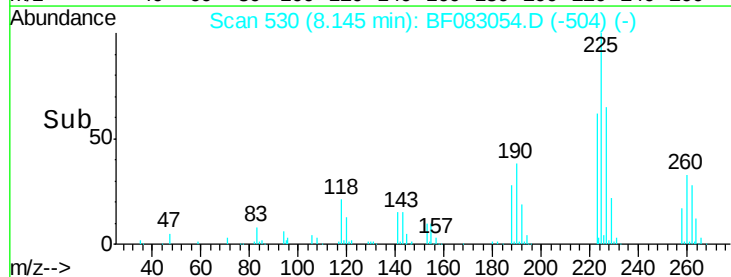
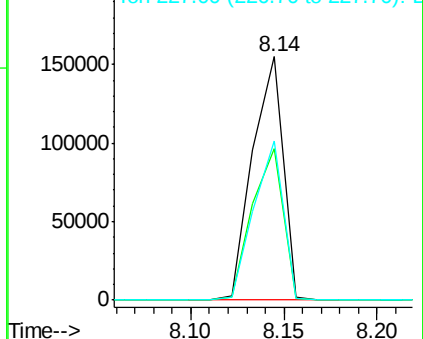


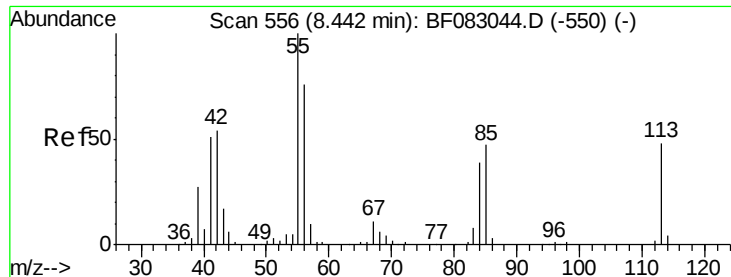
#34
Hexachlorobutadiene
Concen: 40.16 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF083054.D
Acq: 20 Nov 2015 00:34

Tgt Ion:	225	Resp:	175007
Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.6
227	65.4	50.6	76.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.95 ng

RT: 8.43 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

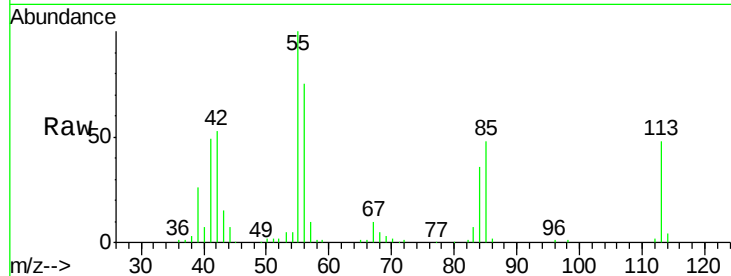
Tgt Ion:113 Resp: 65968

Ion Ratio Lower Upper

113 100

55 207.0 189.1 229.1

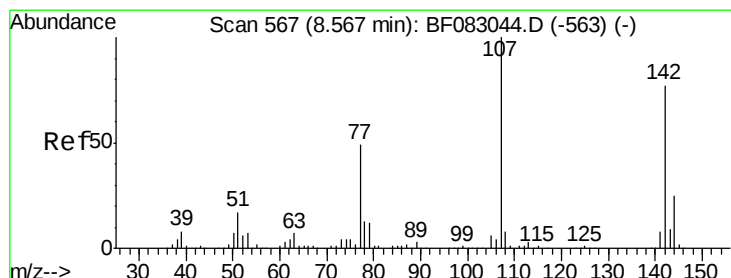
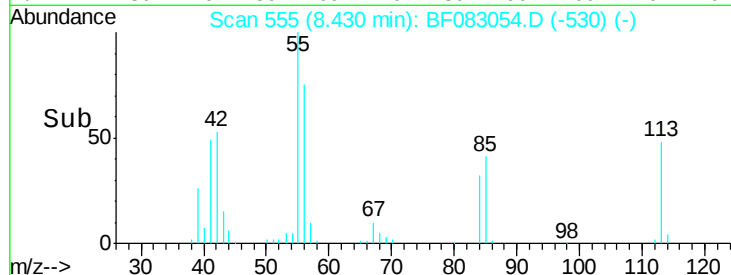
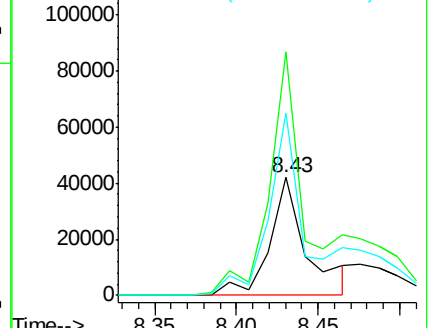
56 154.8 137.9 177.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 45.89 ng

RT: 8.57 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

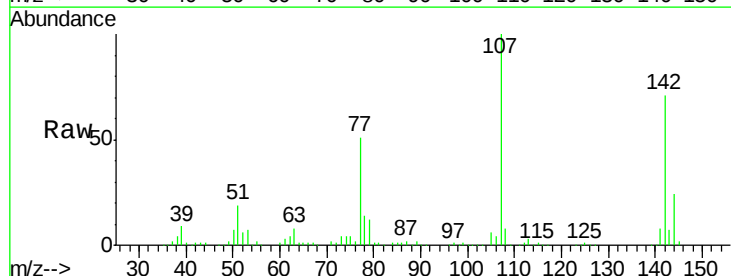
Tgt Ion:107 Resp: 334010

Ion Ratio Lower Upper

107 100

144 23.8 20.0 30.0

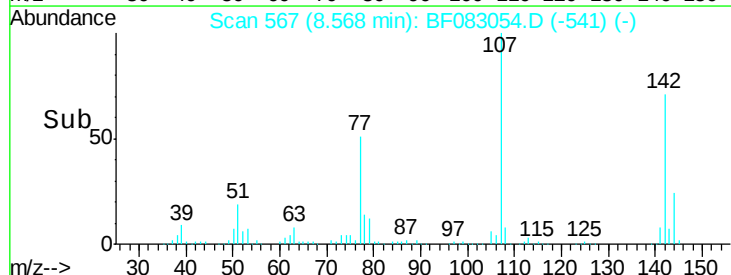
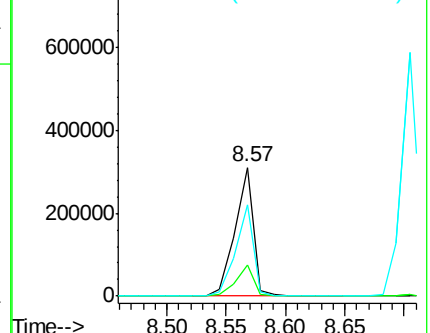
142 71.1 61.3 91.9

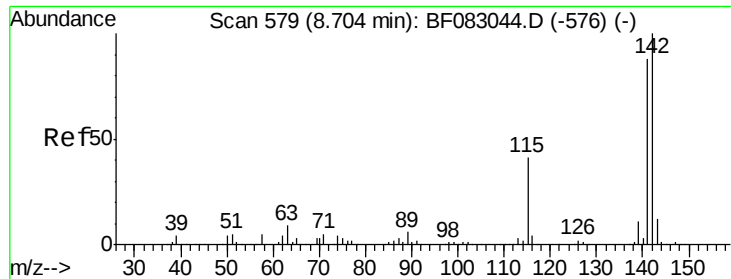


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

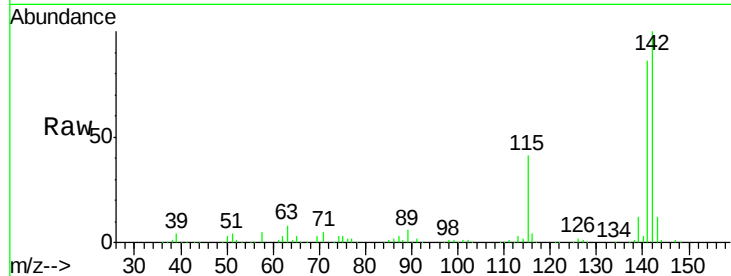




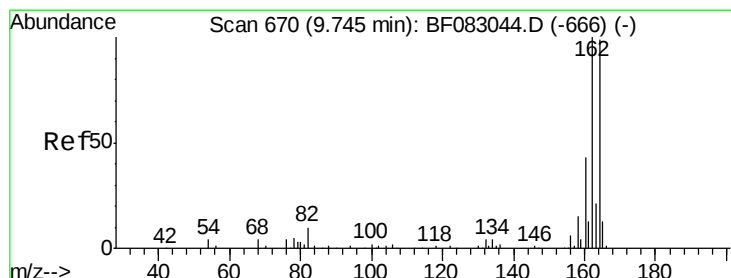
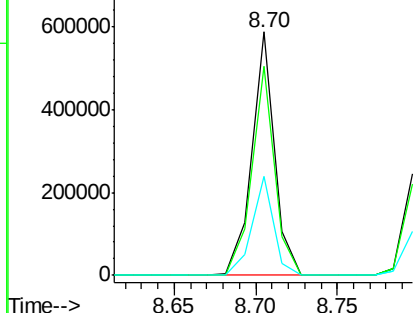
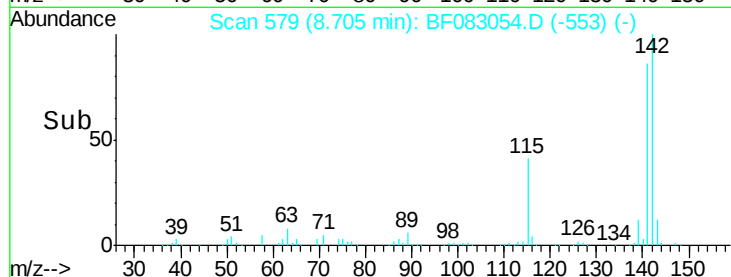
#37
 2-Methylnaphthalene
 Concen: 40.03 ng
 RT: 8.70 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Instrument :
 BNA_F
 ClientSampleId :
 PB86723BSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.7	106.1
115	40.8	33.1	49.7

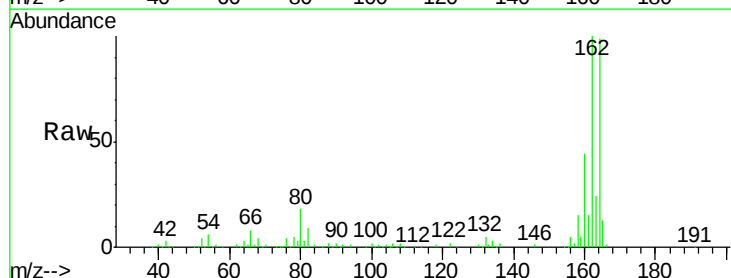


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

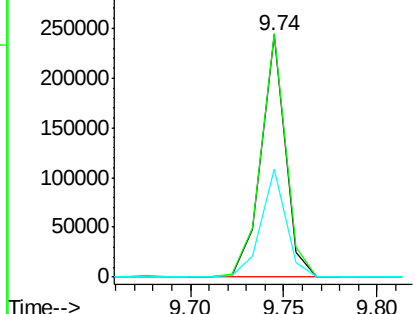
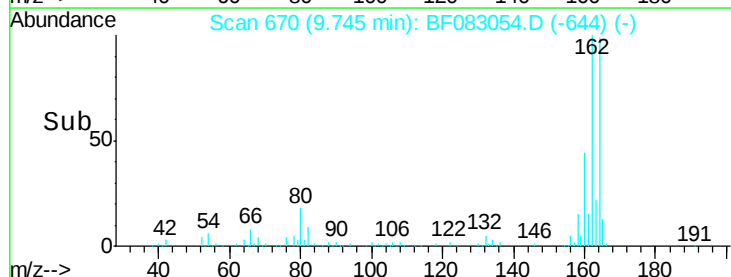


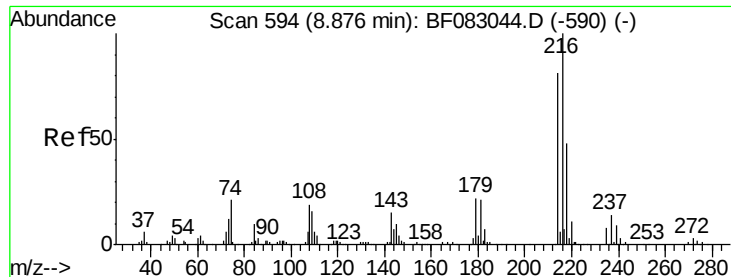
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083054.D
 Acq: 20 Nov 2015 00:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.5	120.7
160	44.4	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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.90 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

PB86723BSD

Tgt Ion:216 Resp: 287326

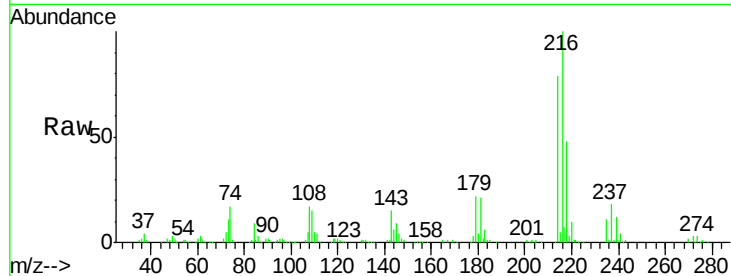
Ion Ratio Lower Upper

216 100

214 78.6 64.6 97.0

179 22.2 17.8 26.6

108 21.9 16.8 25.2

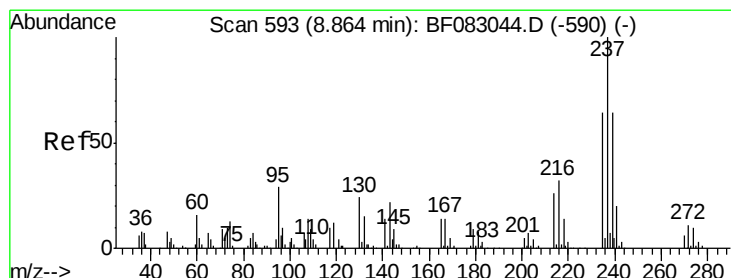
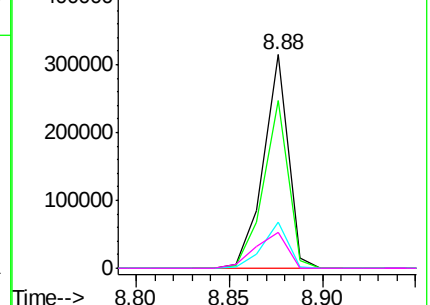
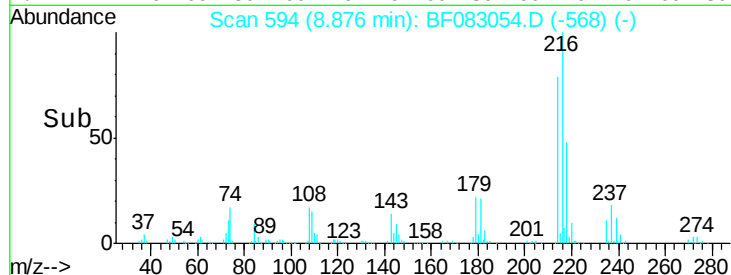


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 82.63 ng

RT: 8.86 min Scan# 593

Delta R.T. 0.00 min

Lab File: BF083054.D

Acq: 20 Nov 2015 00:34

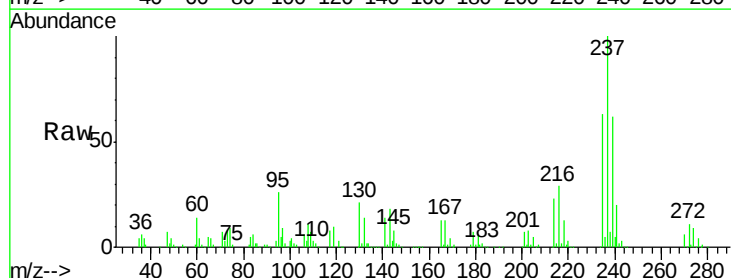
Tgt Ion:237 Resp: 277262

Ion Ratio Lower Upper

237 100

235 63.2 44.1 84.1

272 11.4 0.0 30.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

