

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084246.D
 Acq On : 4 Jan 2016 18:35
 Operator : UM/SJ
 Sample : PB87615BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

Quant Time: Jan 05 01:30:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	269228	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1104175	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	530908	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	967558	20.00	ng	0.00
75) Chrysene-d12	14.05	240	551729	20.00	ng	-0.01
86) Perylene-d12	15.49	264	531877	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1807030	108.56	ng	0.02
7) Phenol-d6	6.54	99	2321842	111.07	ng	0.01
23) Nitrobenzene-d5	7.46	82	1510740	76.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	581145	108.42	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2747785	91.53	ng	0.00
78) Terphenyl-d14	13.00	244	2305670	93.28	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	269844	34.22	ng	# 74
3) Pyridine	3.36	79	735840	33.47	ng	# 73
4) n-Nitrosodimethylamine	3.30	42	452956	40.14	ng	82
6) Aniline	6.56	93	644817	21.09	ng	# 1
8) 2-Chlorophenol	6.68	128	758897	40.19	ng	89
9) Benzaldehyde	6.44	77	206314	15.16	ng	87
10) Phenol	6.56	94	927079	39.00	ng	86
11) bis(2-Chloroethyl)ether	6.64	93	796369	43.25	ng	93
12) 1,3-Dichlorobenzene	6.83	146	770619	39.56	ng	# 93
13) 1,4-Dichlorobenzene	6.91	146	826316	42.30	ng	95
14) 1,2-Dichlorobenzene	7.06	146	701753	37.51	ng	95
15) Benzyl Alcohol	7.04	79	691650	39.33	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1257713	37.51	ng	89
17) 2-Methylphenol	7.16	107	644565	40.72	ng	# 91
18) Hexachloroethane	7.40	117	311119	39.83	ng	94
19) n-Nitroso-di-n-propylamine	7.31	70	534045	37.74	ng	# 68
20) 3+4-Methylphenols	7.31	107	802239	43.12	ng	# 55
22) Acetophenone	7.31	105	1092275	41.14	ng	# 93
24) Nitrobenzene	7.48	77	906798	45.06	ng	94
25) Isophorone	7.72	82	1515750	39.95	ng	98
26) 2-Nitrophenol	7.79	139	401853	43.88	ng	# 76
27) 2,4-Dimethylphenol	7.85	122	789891	42.61	ng	90
28) bis(2-Chloroethoxy)methane	7.93	93	936773	40.42	ng	98
29) 2,4-Dichlorophenol	8.04	162	644238	41.72	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	685923	43.03	ng	96
31) Naphthalene	8.20	128	2114597	42.21	ng	99
32) Benzoic acid	7.97	122	489987	41.99	ng	97
33) 4-Chloroaniline	8.25	127	312817	13.62	ng	97
34) Hexachlorobutadiene	8.32	225	378148	41.27	ng	98
35) Caprolactam	8.64	113	161550	31.04	ng	# 49
36) 4-Chloro-3-methylphenol	8.75	107	758683	43.86	ng	99
37) 2-Methylnaphthalene	8.90	142	1511360	42.03	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	612579	40.14	ng	# 96
40) Hexachlorocyclopentadiene	9.05	237	718376	77.97	ng	98

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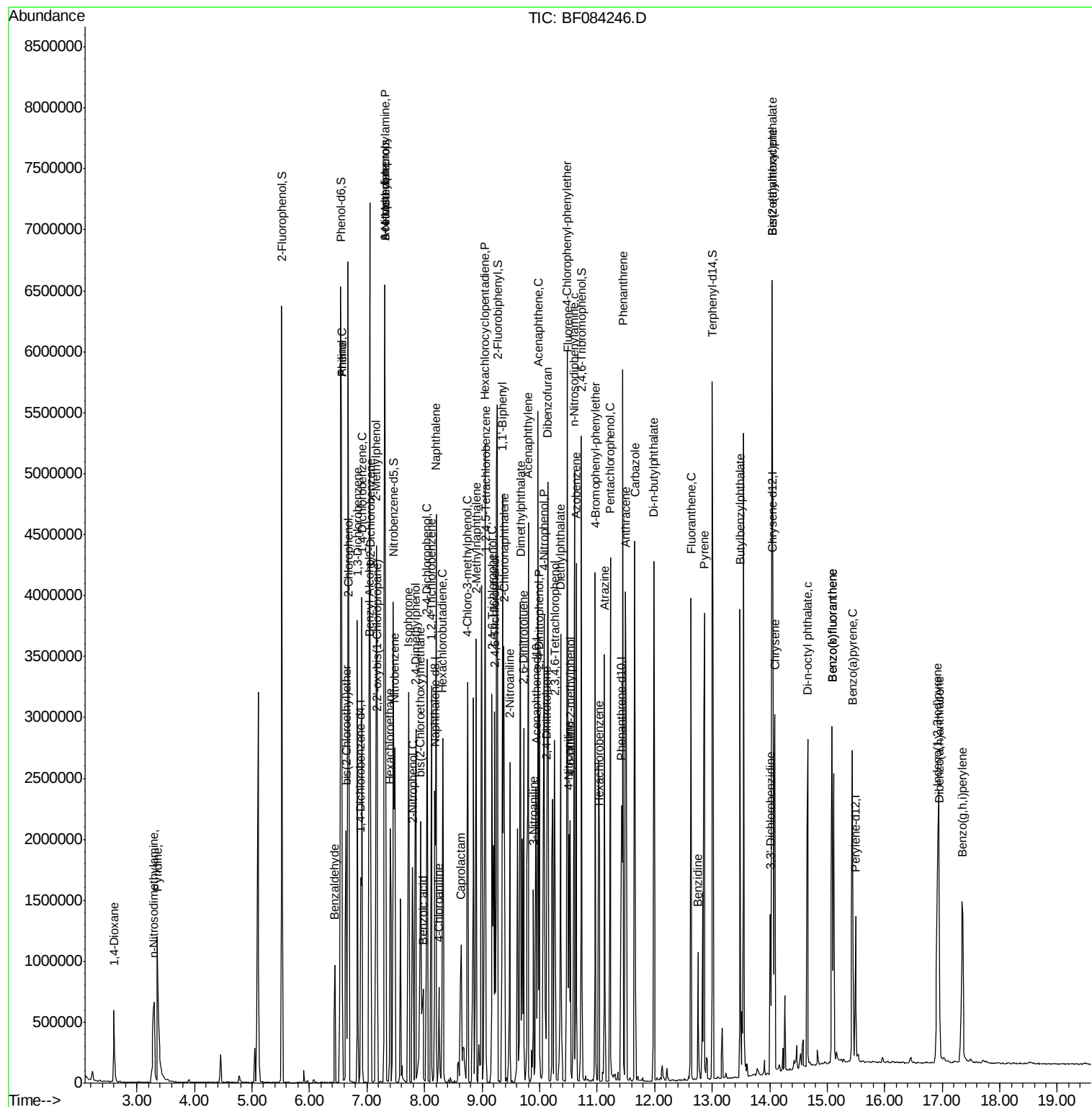
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	445303	39.00	ng	96
43) 2,4,5-Trichlorophenol	9.22	196	437002	39.92	ng	# 84
45) 1,1'-Biphenyl	9.36	154	1673025	39.65	ng	98
46) 2-Chloronaphthalene	9.38	162	1319971	39.83	ng	97
47) 2-Nitroaniline	9.48	65	445958	40.77	ng	98
48) Acenaphthylene	9.80	152	2130746	43.51	ng	96
49) Dimethylphthalate	9.66	163	1509500	39.77	ng	# 90
50) 2,6-Dinitrotoluene	9.72	165	318714	38.29	ng	# 40
51) Acenaphthene	9.97	154	1592762	48.49	ng	97
52) 3-Nitroaniline	9.89	138	222913	21.61	ng	92
53) 2,4-Dinitrophenol	10.00	184	318592	89.41	ng	# 77
54) Dibenzofuran	10.14	168	1853598	43.47	ng	92
55) 4-Nitrophenol	10.08	139	639368	85.39	ng	# 87
56) 2,4-Dinitrotoluene	10.12	165	475317	45.11	ng	# 78
57) Fluorene	10.49	166	1468381	44.62	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	360158	38.54	ng	93
59) Diethylphthalate	10.36	149	1487500	39.75	ng	98
60) 4-Chlorophenyl-phenylether	10.48	204	611112	43.82	ng	91
61) 4-Nitroaniline	10.51	138	339103	36.88	ng	95
62) Azobenzene	10.64	77	1684592	41.04	ng	88
64) 4,6-Dinitro-2-methylphenol	10.53	198	242625	41.06	ng	83
65) n-Nitrosodiphenylamine	10.60	169	1333943	43.12	ng	99
66) 4-Bromophenyl-phenylether	10.97	248	425208	40.83	ng	# 81
67) Hexachlorobenzene	11.04	284	483747	41.27	ng	# 86
68) Atrazine	11.13	200	387234	38.25	ng	97
69) Pentachlorophenol	11.23	266	435291	71.62	ng	99
70) Phenanthrene	11.45	178	2125423	42.00	ng	96
71) Anthracene	11.49	178	2119982	42.73	ng	98
72) Carbazole	11.65	167	1651819	34.06	ng	97
73) Di-n-butylphthalate	11.99	149	2178360	41.38	ng	# 95
74) Fluoranthene	12.64	202	2125189	40.20	ng	94
76) Benzidine	12.75	184	440410	22.26	ng	98
77) Pyrene	12.87	202	2091332	48.30	ng	99
79) Butylbenzylphthalate	13.48	149	787463	42.03	ng	89
80) Benzo(a)anthracene	14.04	228	1399097	43.19	ng	99
81) 3,3'-Dichlorobenzidine	14.01	252	299494	26.49	ng	# 94
82) Chrysene	14.09	228	1374077	44.14	ng	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	914420	38.63	ng	99
84) Di-n-octyl phthalate	14.66	149	1629470	40.78	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.92	276	1510043	61.19	ng	99
87) Benzo(b)fluoranthene	15.08	252	1363587	39.19	ng	97
88) Benzo(k)fluoranthene	15.08	252	1363587	47.92	ng	98
89) Benzo(a)pyrene	15.44	252	1276702	43.26	ng	# 96
90) Dibenzo(a,h)anthracene	16.95	278	1244454	49.01	ng	# 94
91) Benzo(g,h,i)perylene	17.35	276	1258351	47.85	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

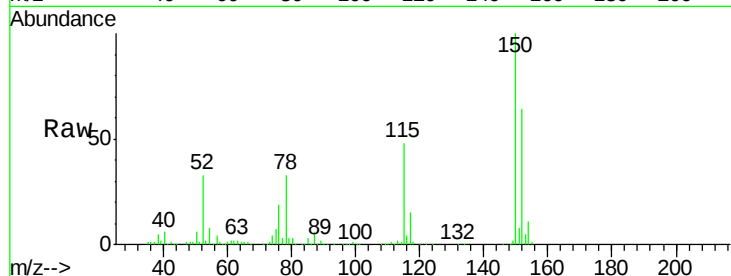
Tgt Ion:152 Resp: 269228

Ion Ratio Lower Upper

152 100

150 156.2 123.0 184.4

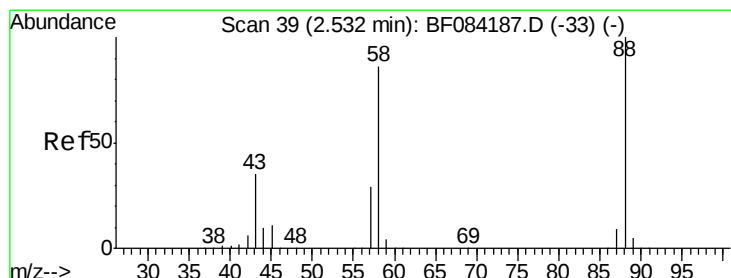
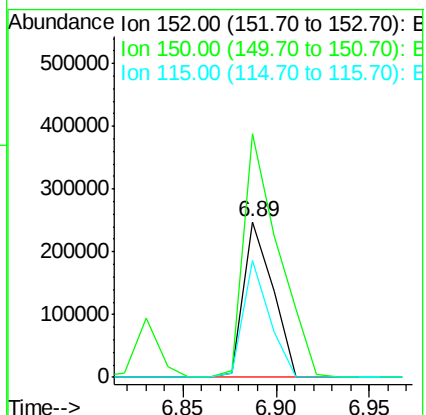
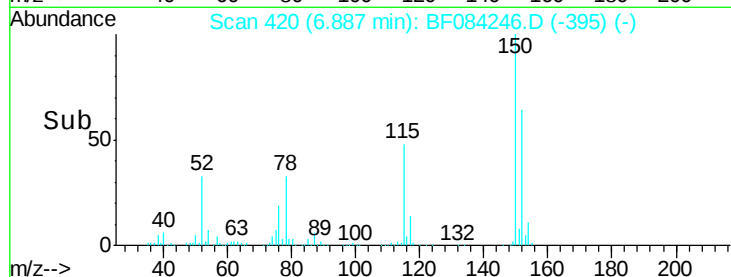
115 74.7 51.4 77.2



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: 34.22 ng

RT: 2.60 min Scan# 45

Delta R.T. 0.07 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

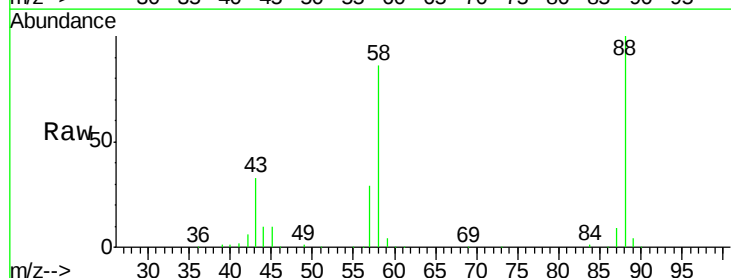
Tgt Ion: 88 Resp: 269844

Ion Ratio Lower Upper

88 100

58 86.1 51.2 76.8#

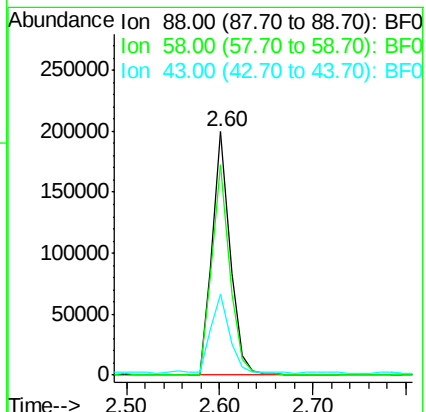
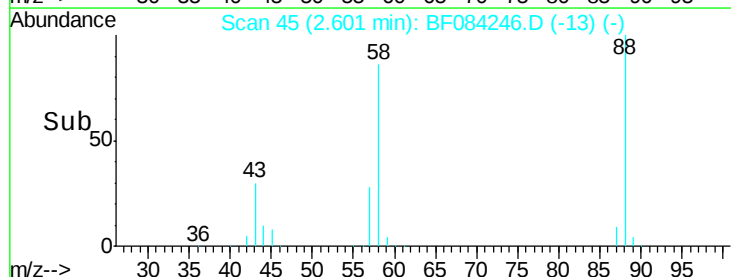
43 34.4 19.5 29.3#

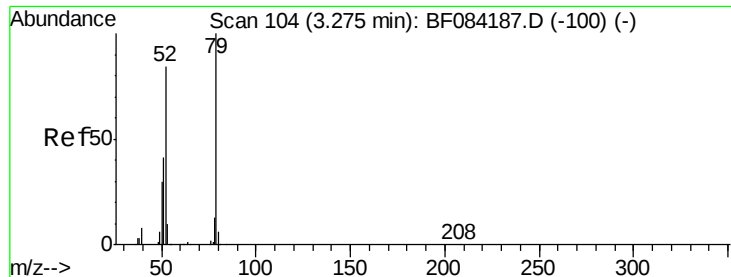


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 33.47 ng

RT: 3.36 min Scan# 111

Delta R.T. 0.08 min

Lab File: BF084246.D

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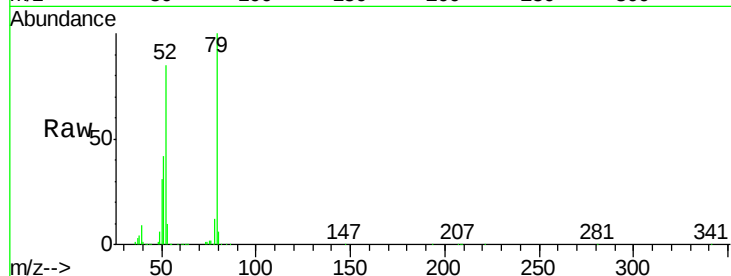
Tgt Ion: 79 Resp: 735840

Ion Ratio Lower Upper

79 100

52 85.2 49.0 73.4#

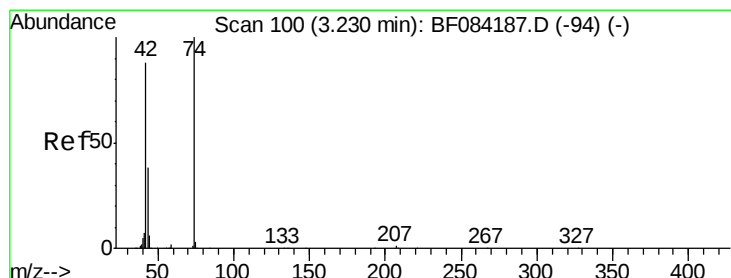
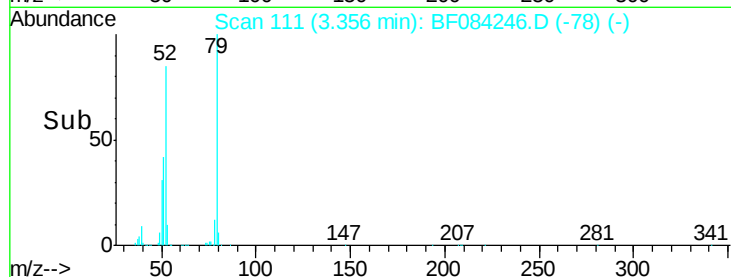
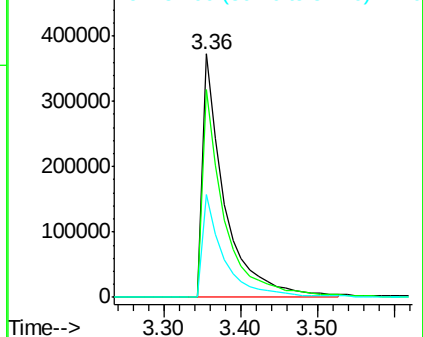
51 42.1 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 40.14 ng

RT: 3.30 min Scan# 106

Delta R.T. 0.07 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

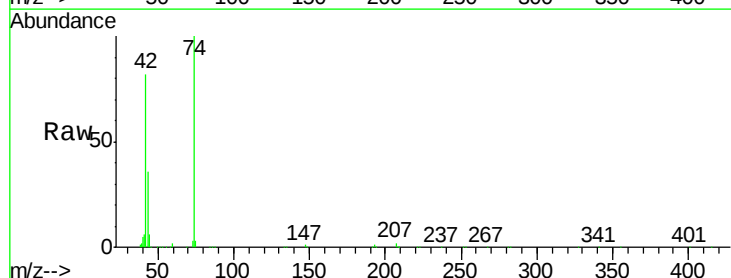
Tgt Ion: 42 Resp: 452956

Ion Ratio Lower Upper

42 100

74 121.5 115.7 173.5

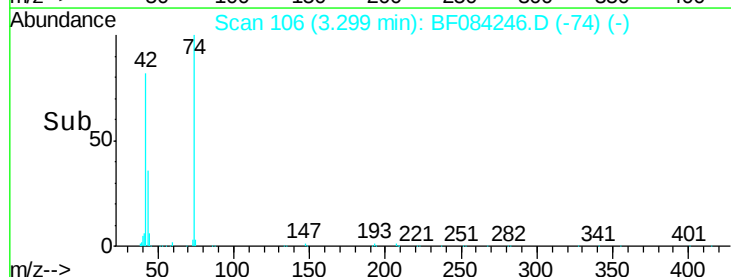
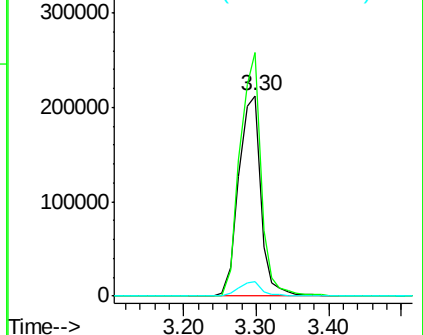
44 7.4 5.1 7.7

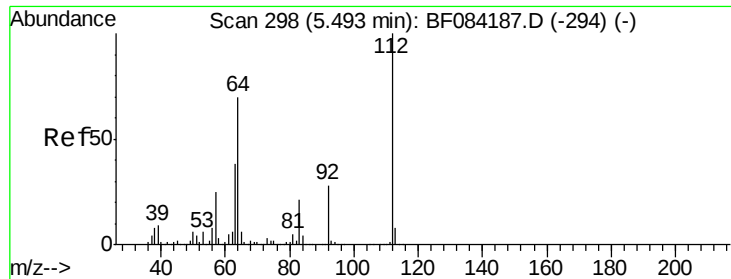


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 108.56 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084246.D

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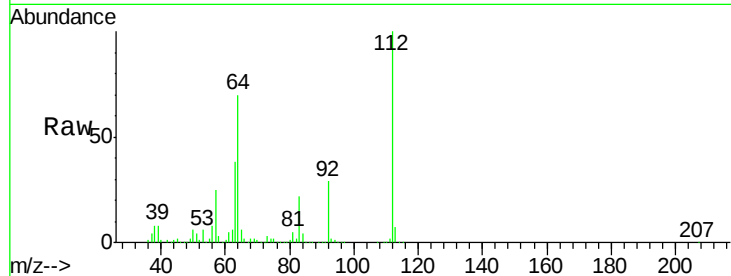
Tgt Ion:112 Resp: 1807030

Ion Ratio Lower Upper

112 100

64 70.0 36.6 55.0#

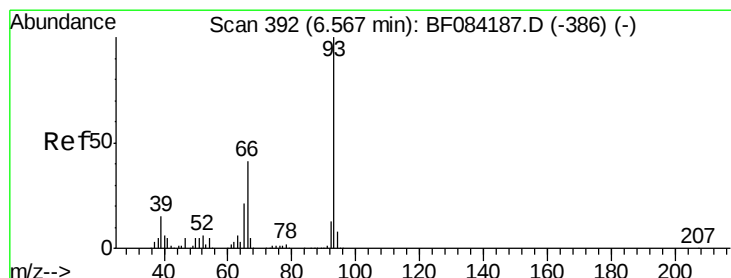
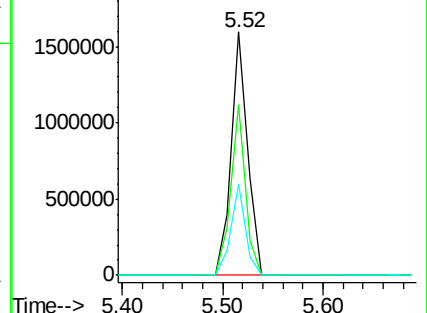
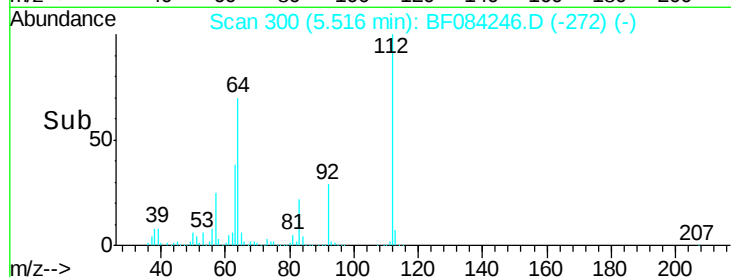
63 37.8 19.4 29.0#



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



#6

Aniline

Concen: 21.09 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

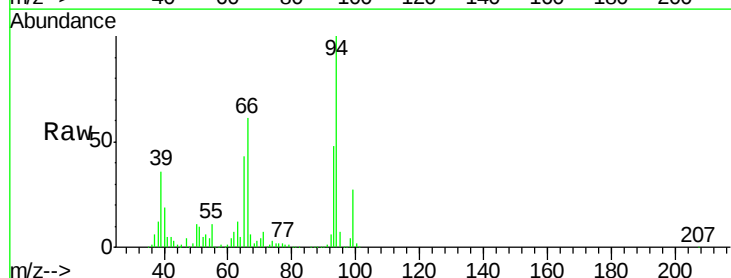
Tgt Ion: 93 Resp: 644817

Ion Ratio Lower Upper

93 100

66 128.0 44.9 67.3#

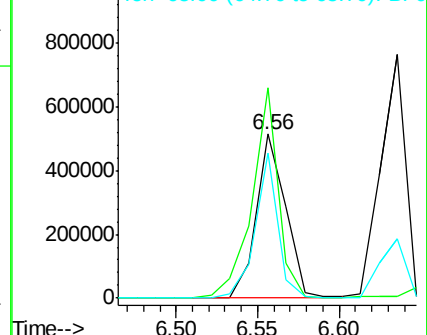
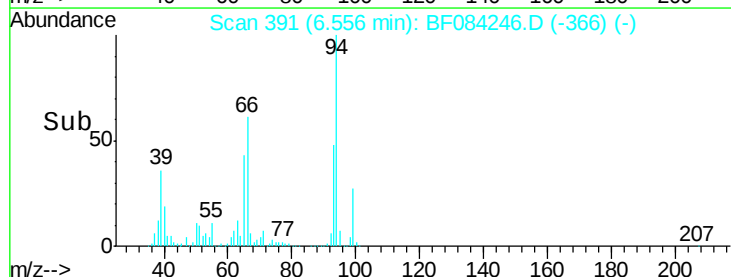
65 88.8 23.7 35.5#

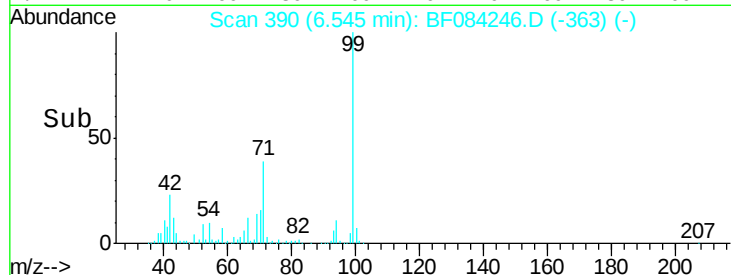
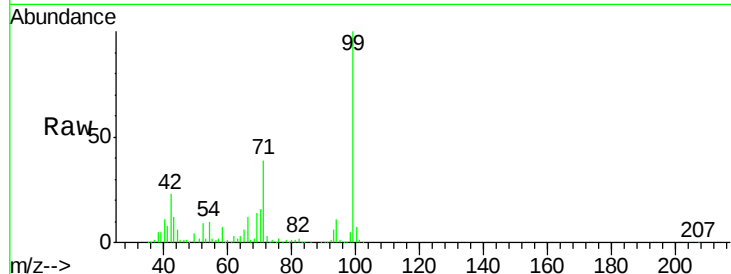


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.07 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

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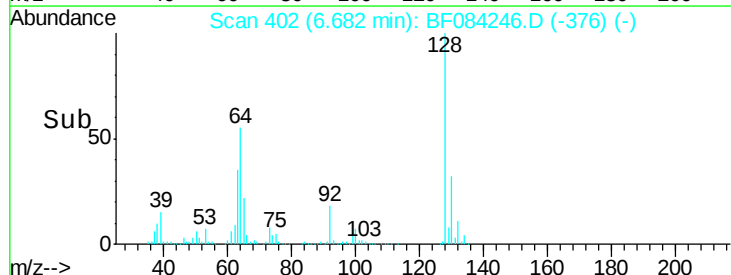
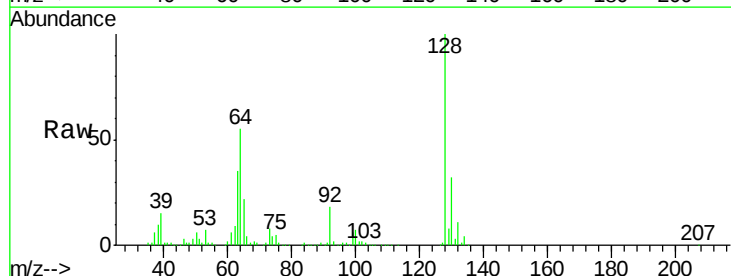
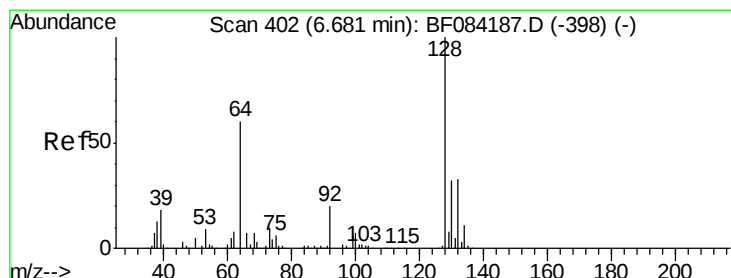
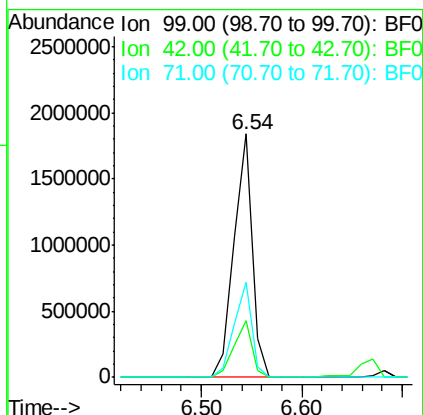
Tgt Ion: 99 Resp: 2321842

Ion Ratio Lower Upper

99 100

42 23.2 12.8 19.2#

71 39.0 30.9 46.3



#8

2-Chlorophenol

Concen: 40.19 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

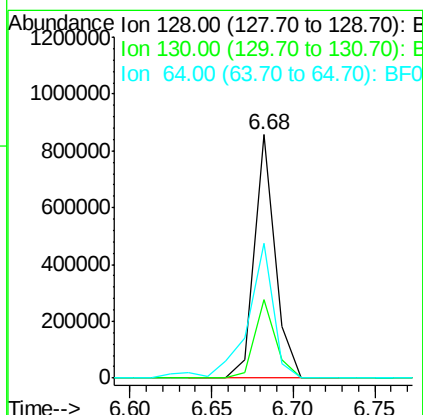
Tgt Ion:128 Resp: 758897

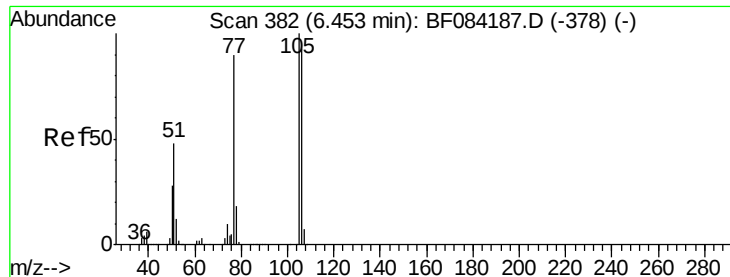
Ion Ratio Lower Upper

128 100

130 32.2 11.6 51.6

64 55.4 23.8 63.8





#9

Benzaldehyde

Concen: 15.16 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

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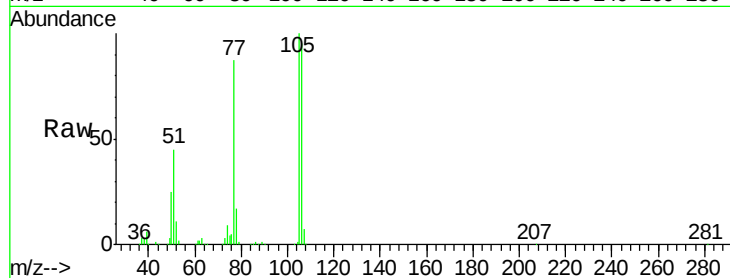
Tgt Ion: 77 Resp: 206314

Ion Ratio Lower Upper

77 100

105 115.0 83.0 123.0

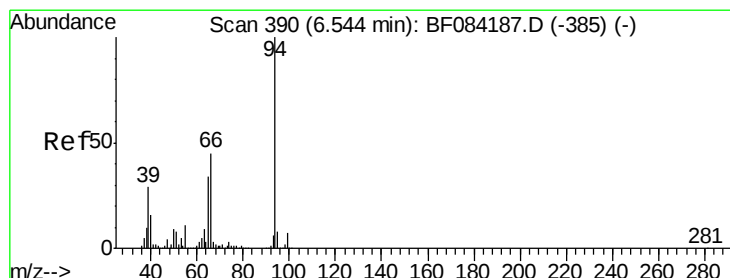
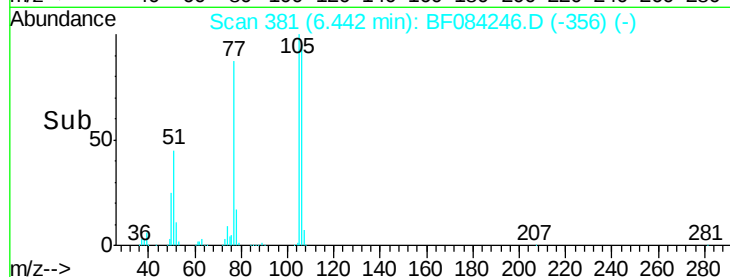
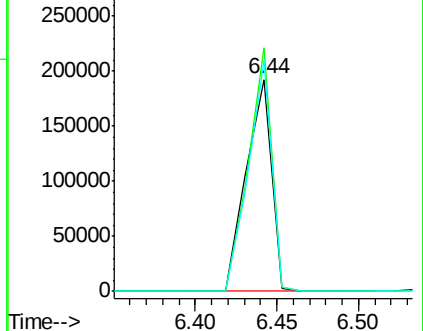
106 109.2 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 39.00 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF084246.D

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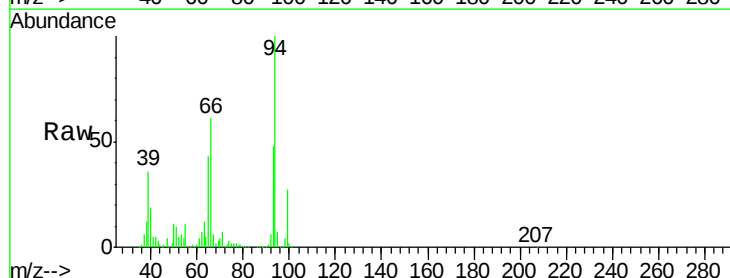
Tgt Ion: 94 Resp: 927079

Ion Ratio Lower Upper

94 100

65 42.6 12.9 52.9

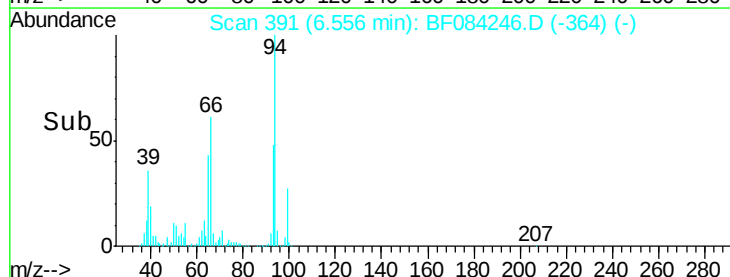
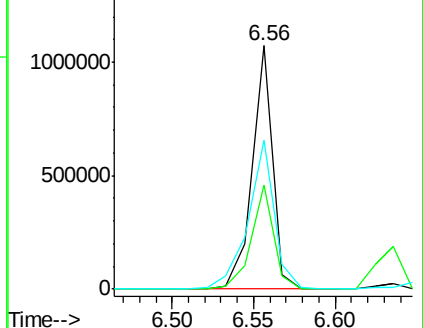
66 61.4 32.7 72.7

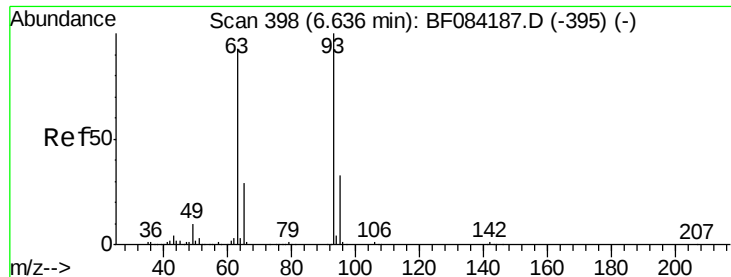


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.25 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

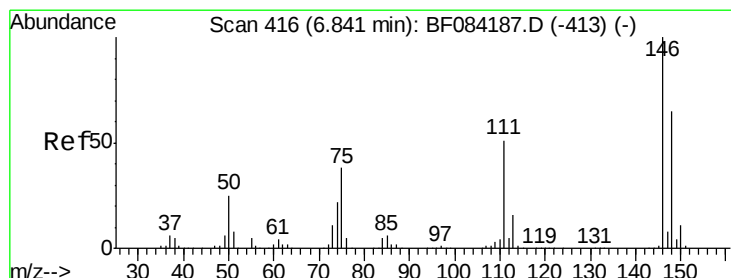
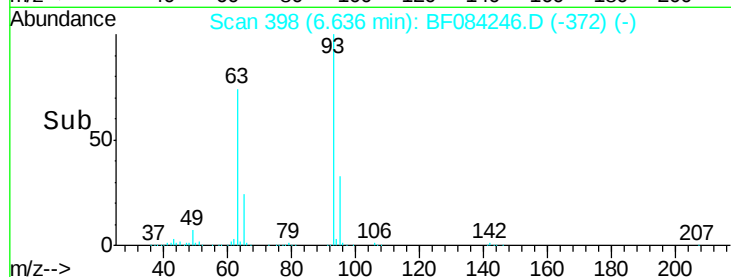
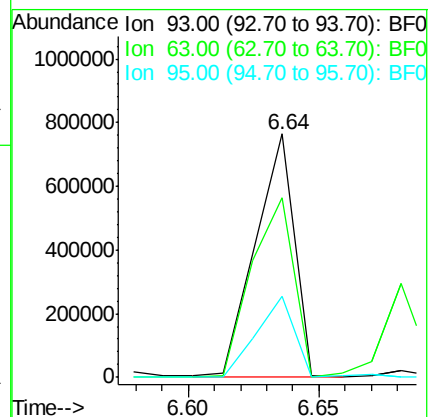
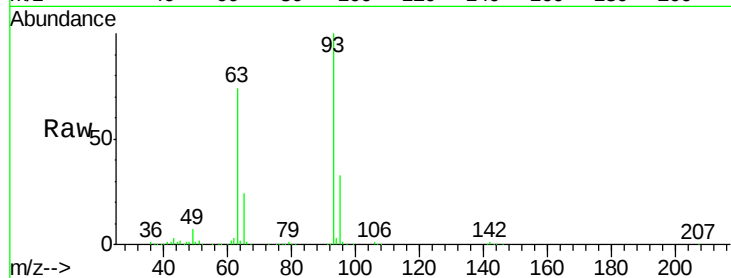
Tgt Ion: 93 Resp: 796369

Ion Ratio Lower Upper

93 100

63 73.9 45.9 85.9

95 33.1 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 39.56 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

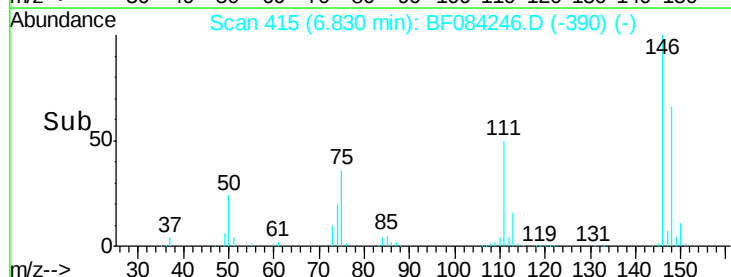
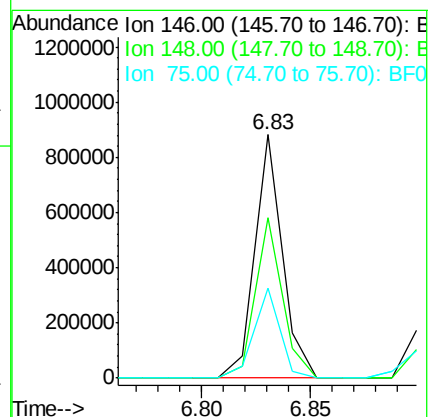
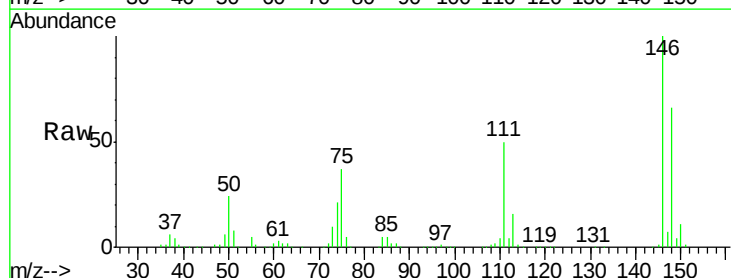
Tgt Ion: 146 Resp: 770619

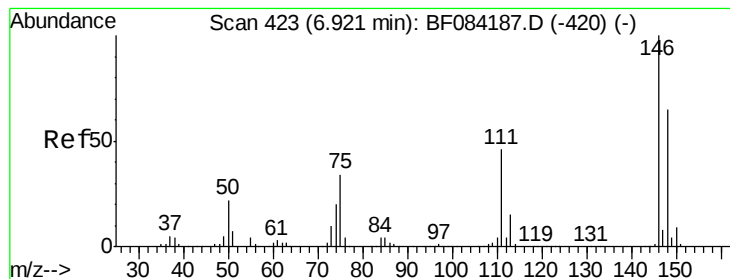
Ion Ratio Lower Upper

146 100

148 65.9 51.9 77.9

75 36.8 20.5 30.7#





#13

1,4-Dichlorobenzene

Concen: 42.30 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

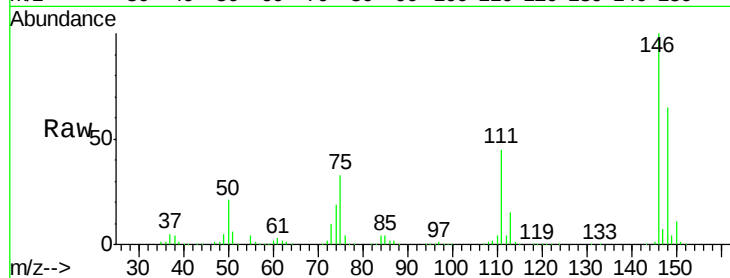
Tgt Ion:146 Resp: 826316

Ion Ratio Lower Upper

146 100

148 64.6 51.9 77.9

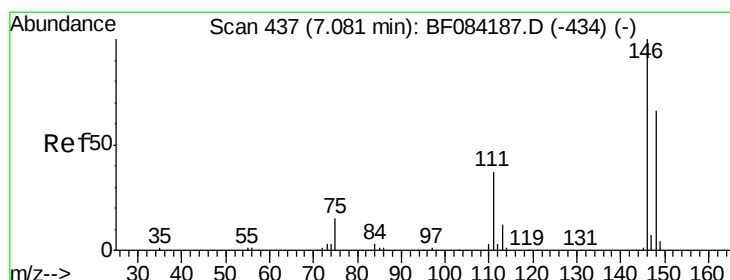
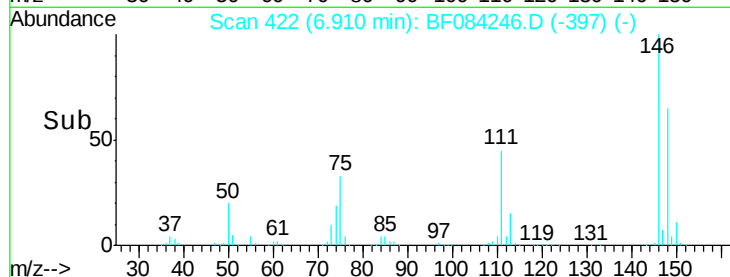
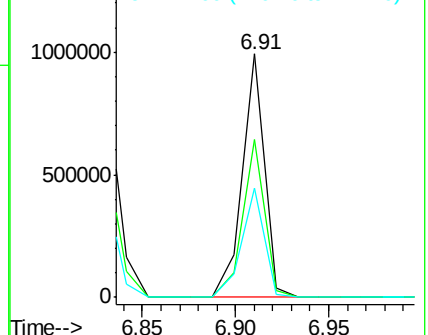
111 44.8 41.6 62.4



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: 37.51 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

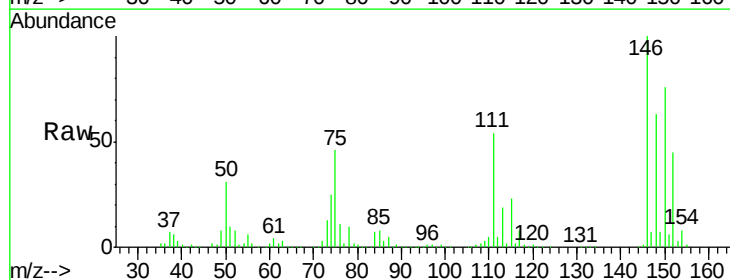
Tgt Ion:146 Resp: 701753

Ion Ratio Lower Upper

146 100

148 63.2 51.6 77.4

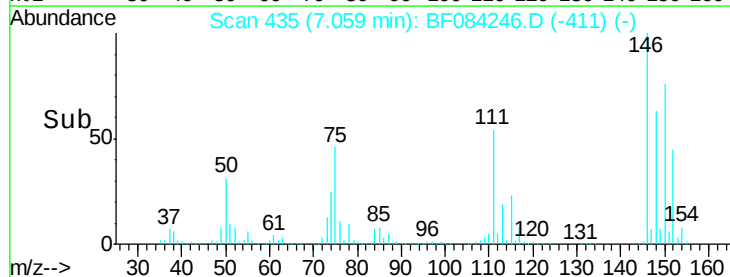
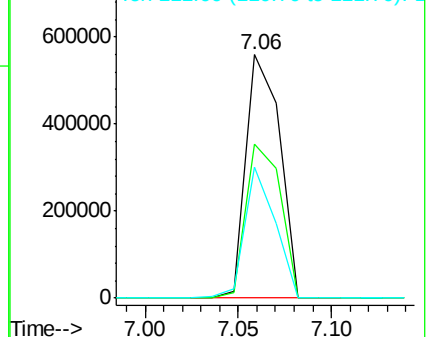
111 53.8 38.0 57.0



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: 39.33 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

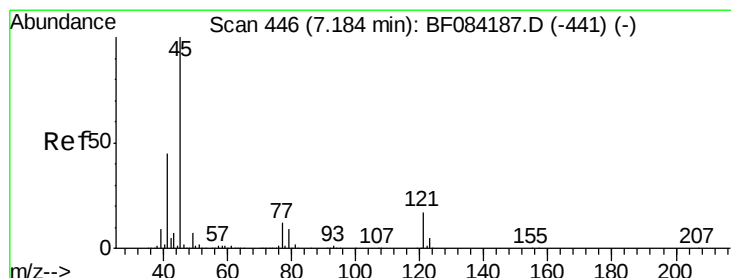
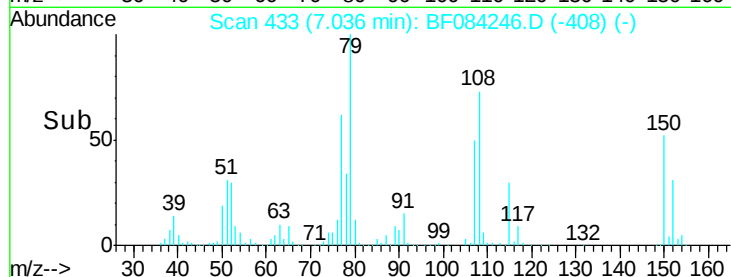
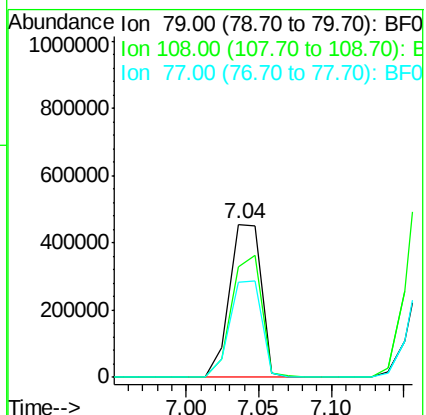
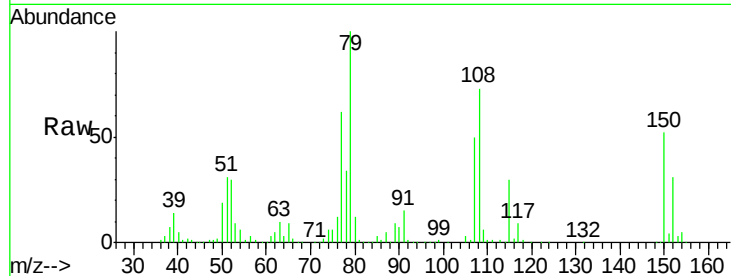
Tgt Ion: 79 Resp: 691650

Ion Ratio Lower Upper

79 100

108 72.7 69.0 103.4

77 62.1 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.51 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

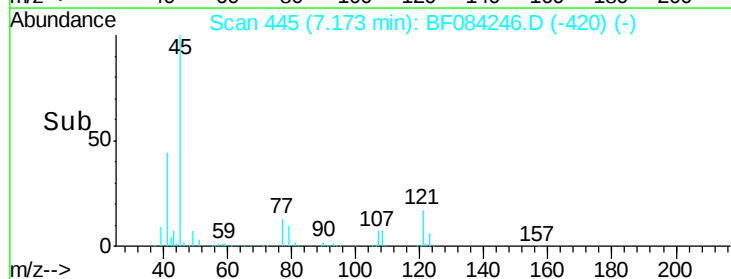
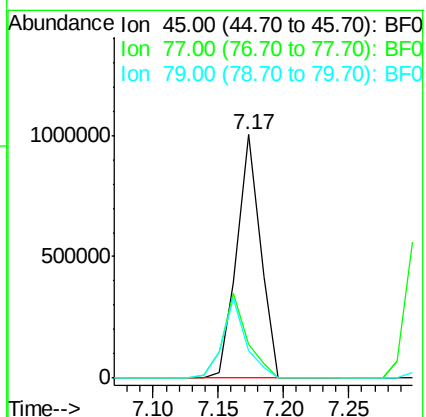
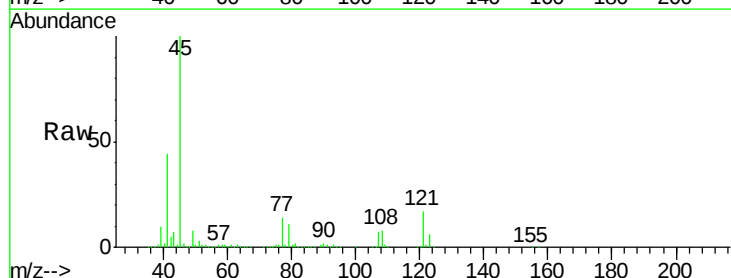
Tgt Ion: 45 Resp: 1257713

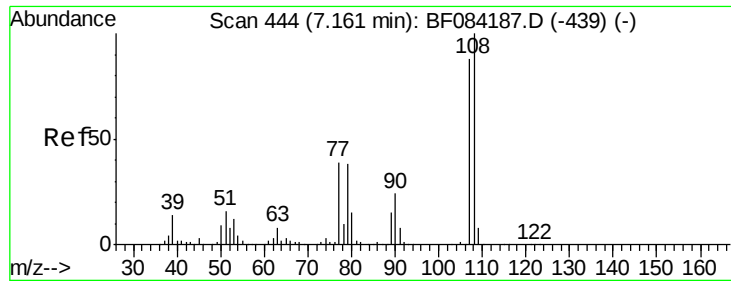
Ion Ratio Lower Upper

45 100

77 13.9 0.0 39.6

79 11.2 0.0 35.0

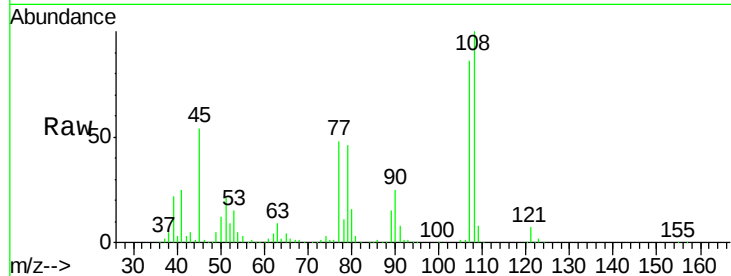




#17
2-Methylphenol
Concen: 40.72 ng
RT: 7.16 min Scan# 444
Delta R.T. 0.00 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Instrument :
BNA_F
ClientSampleId :
PB87615BS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	116.6	89.8	134.6
77	56.0	35.7	53.5#
79	53.3	35.7	53.5



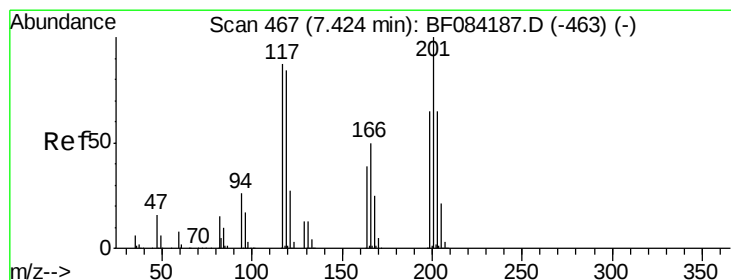
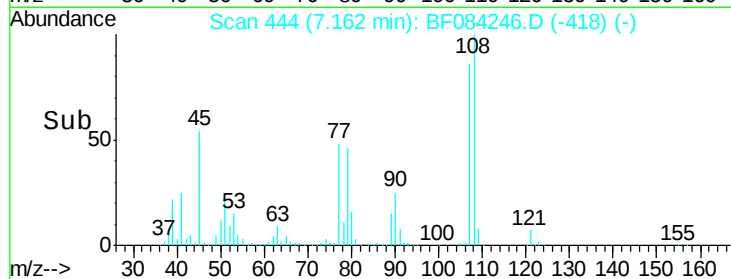
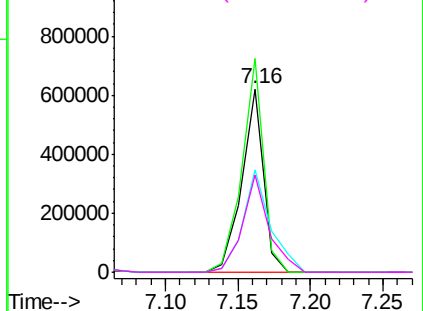
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

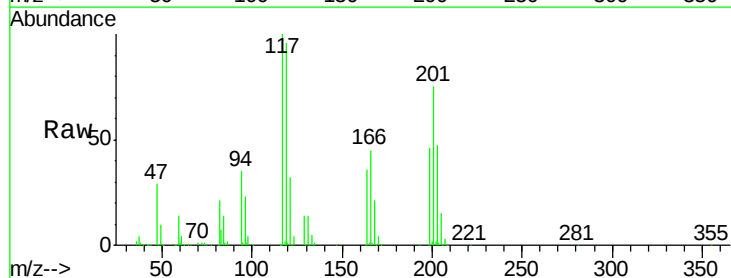
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 39.83 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	74.7	68.6	103.0

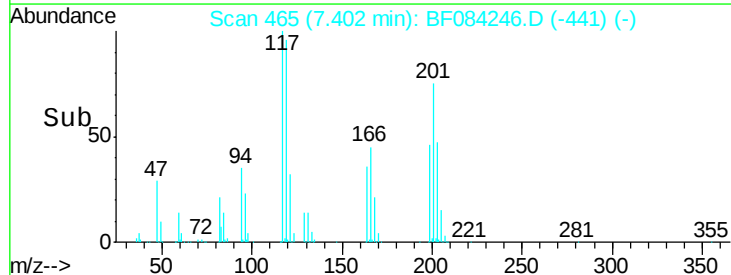
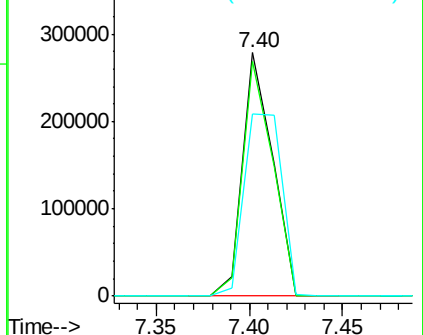


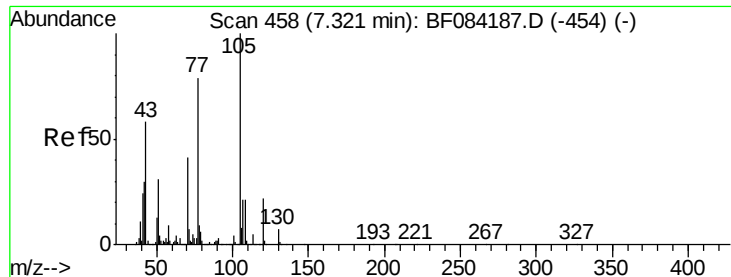
Abundance

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

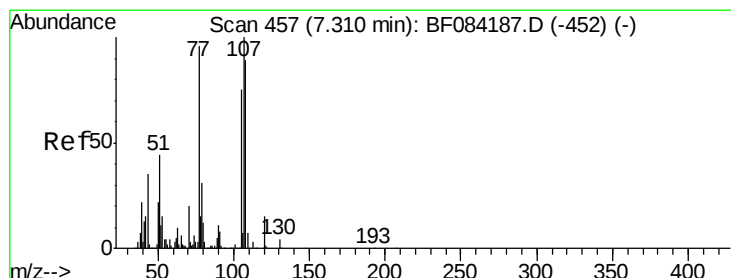
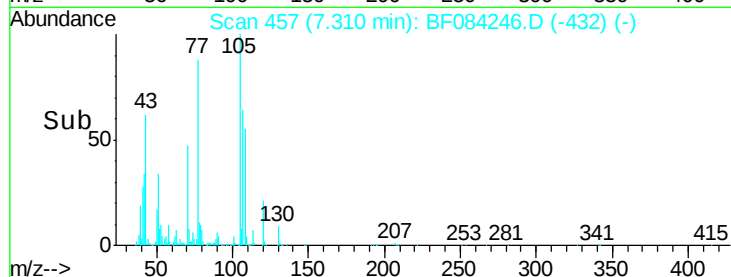
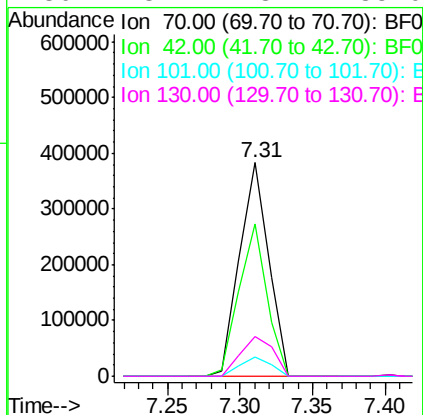
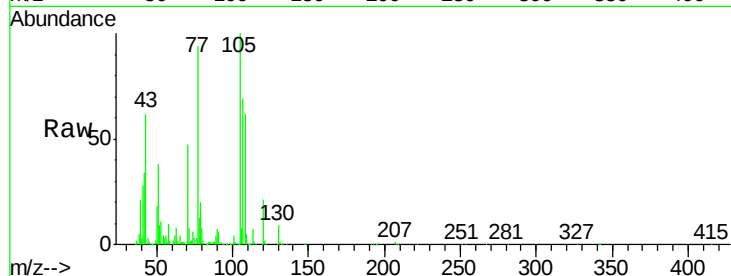




#19
n-Nitroso-di-n-propylamine
Concen: 37.74 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

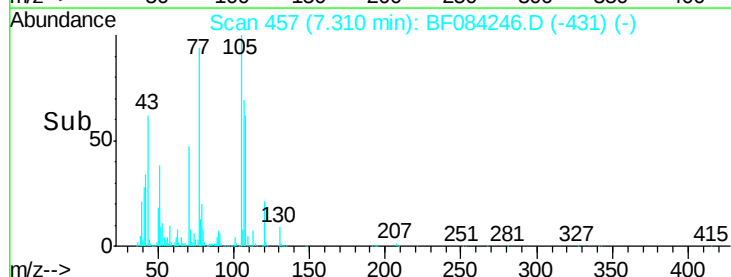
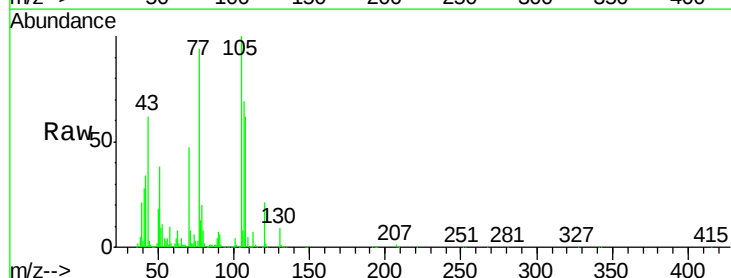
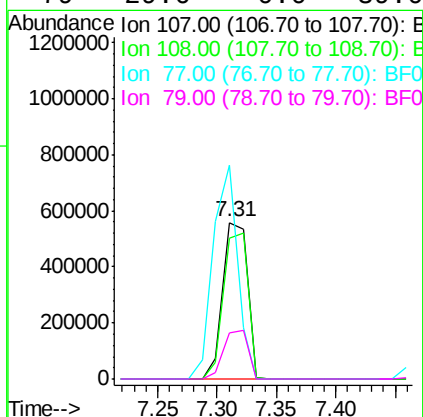
Instrument :
BNA_F
ClientSampleId :
PB87615BS

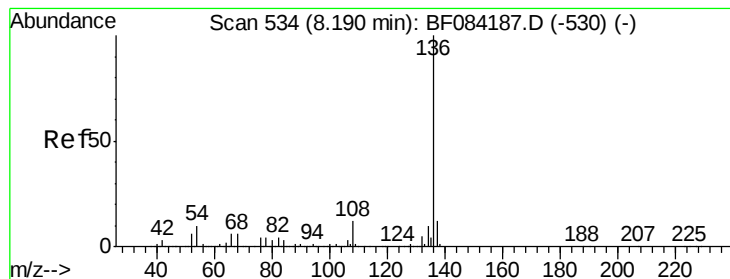
Tgt Ion: 70 Resp: 534045
Ion Ratio Lower Upper
70 100
42 71.4 33.3 49.9#
101 9.1 9.3 13.9#
130 18.7 23.4 35.0#



#20
3+4-Methylphenols
Concen: 43.12 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Tgt Ion: 107 Resp: 802239
Ion Ratio Lower Upper
107 100
108 89.7 74.6 114.6
77 136.4 0.7 40.7#
79 29.6 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

Tgt Ion:136 Resp: 1104175

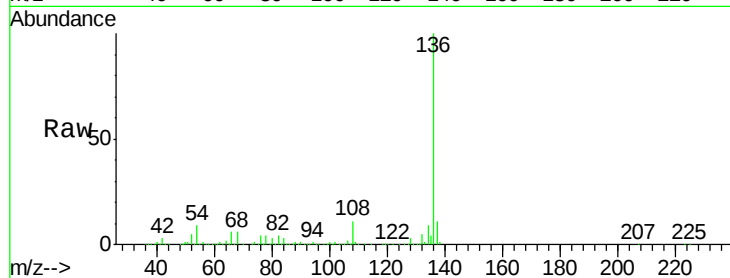
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 9.3 5.8 8.8#

68 5.7 4.2 6.2

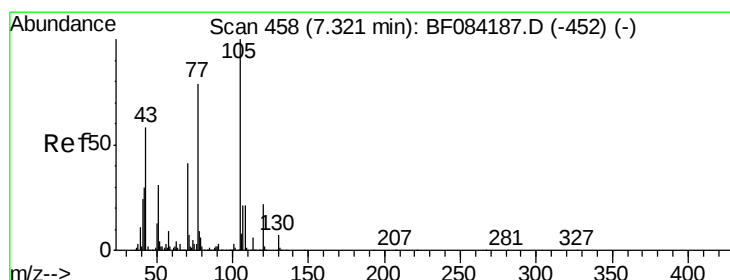
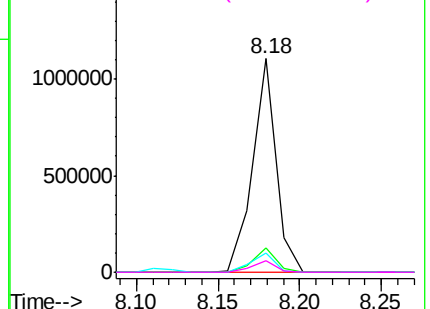
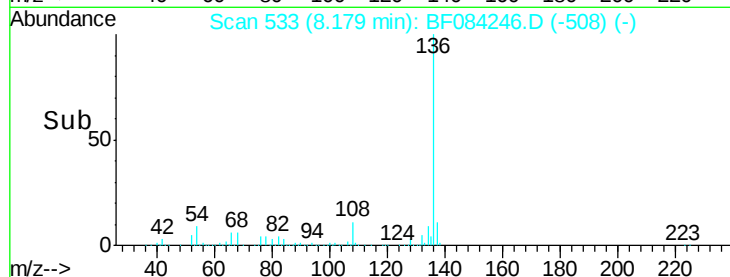


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.14 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Tgt Ion:105 Resp: 1092275

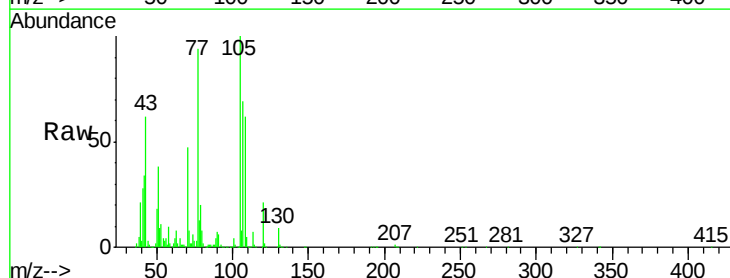
Ion Ratio Lower Upper

105 100

71 8.1 3.7 5.5#

51 37.6 25.1 37.7

120 21.0 16.6 25.0

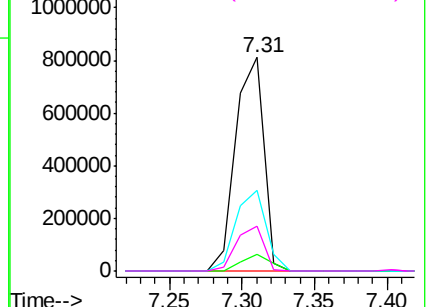
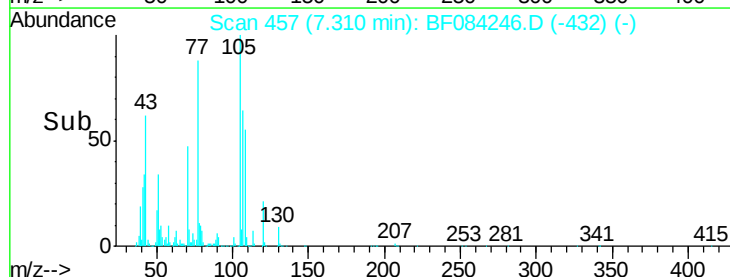


Abundance Ion 105.00 (104.70 to 105.70): E

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

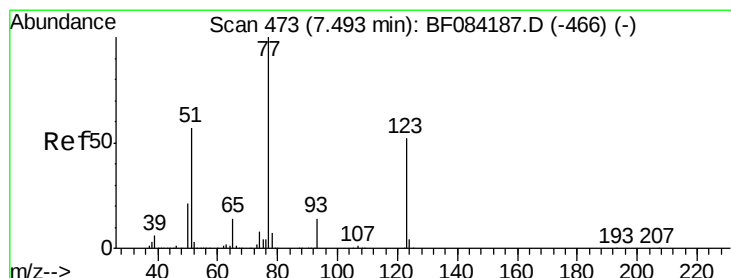
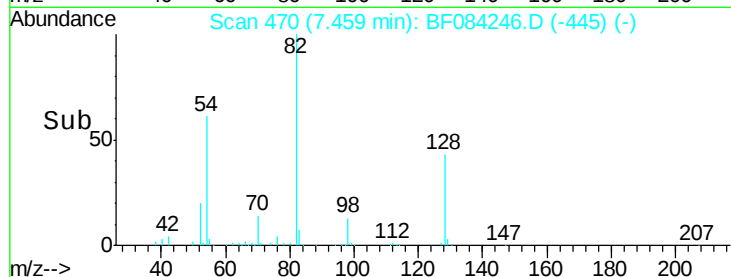
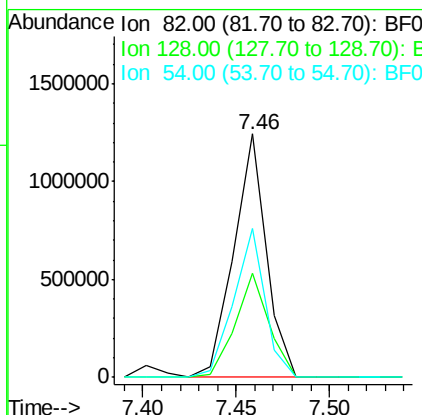
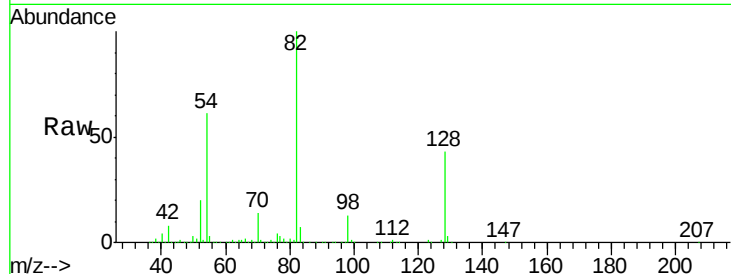




#23
 Nitrobenzene-d5
 Concen: 76.15 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

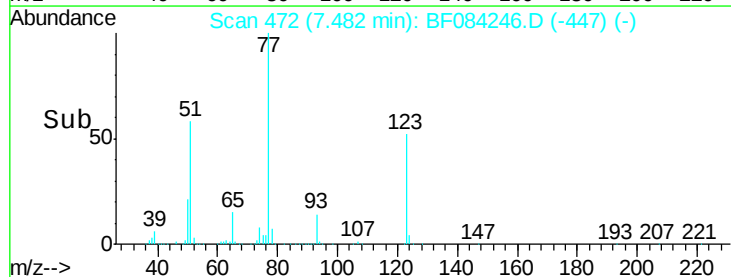
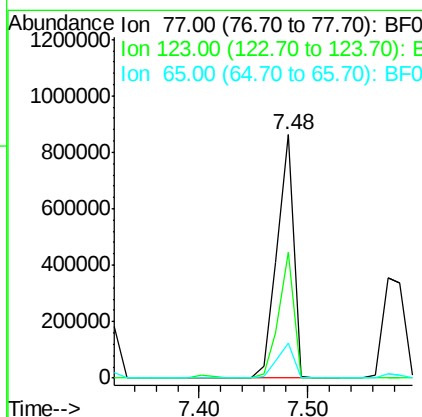
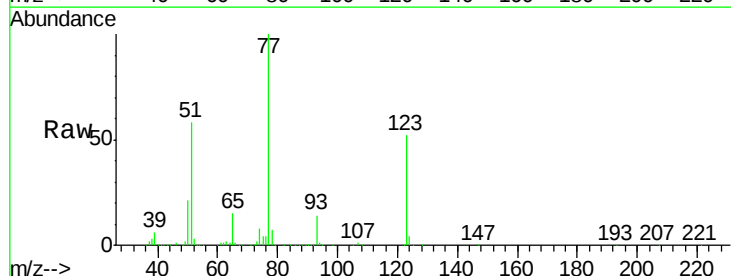
Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

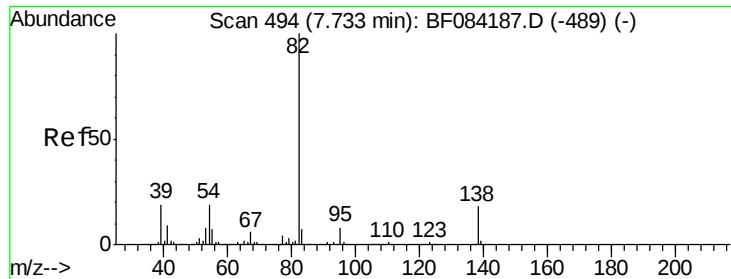
Tgt Ion: 82 Resp: 1510740
 Ion Ratio Lower Upper
 82 100
 128 42.5 34.6 51.8
 54 61.3 38.4 57.6#



#24
 Nitrobenzene
 Concen: 45.06 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Tgt Ion: 77 Resp: 906798
 Ion Ratio Lower Upper
 77 100
 123 52.0 37.4 56.2
 65 14.5 10.9 16.3

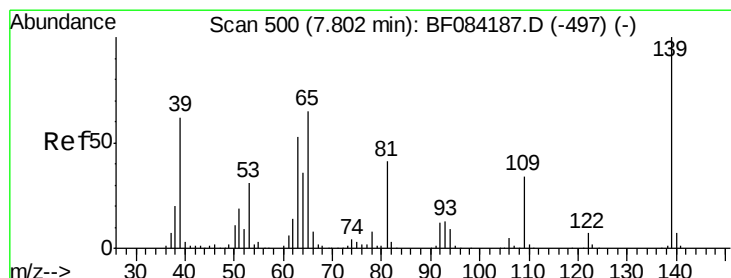
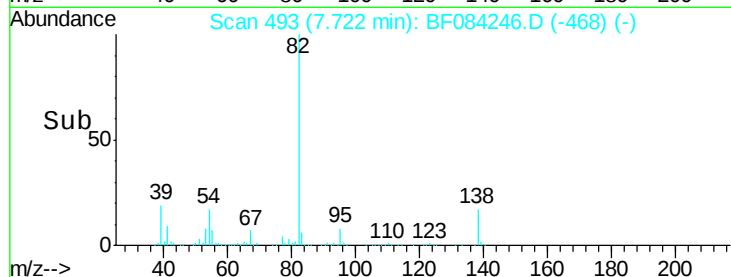
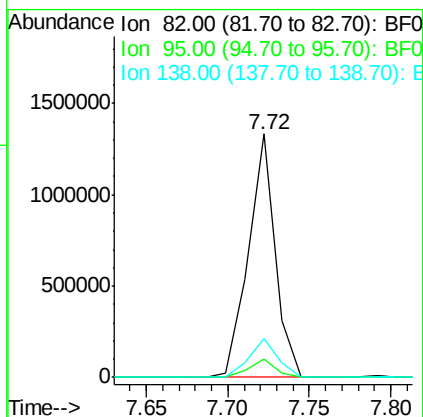
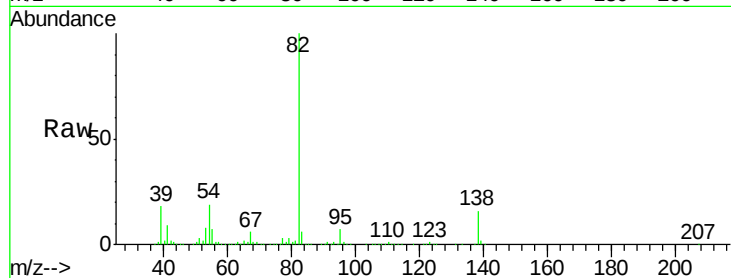




#25
Isophorone
Concen: 39.95 ng
RT: 7.72 min Scan# 493
Delta R.T. -0.01 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

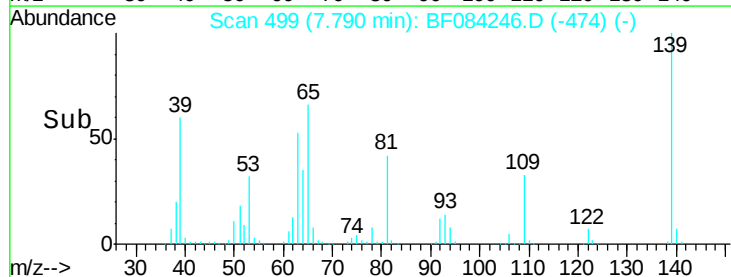
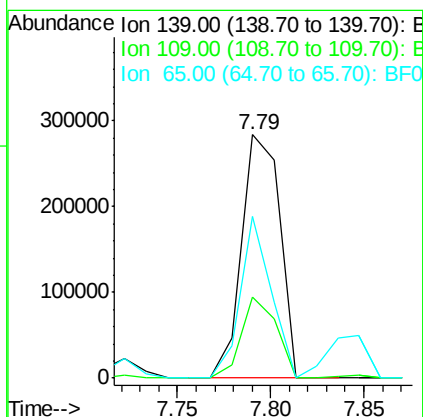
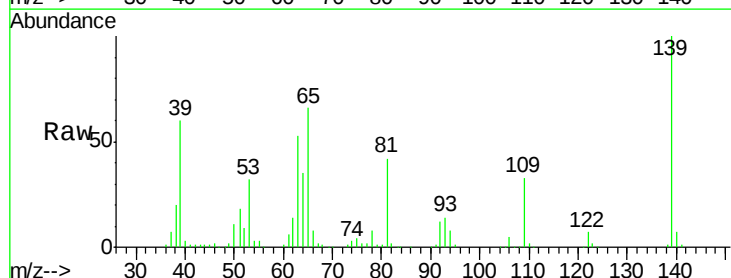
Instrument :
BNA_F
ClientSampleId :
PB87615BS

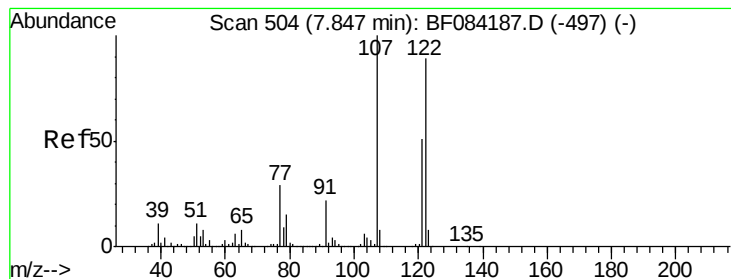
Tgt Ion: 82 Resp: 1515750
Ion Ratio Lower Upper
82 100
95 7.5 6.6 10.0
138 16.1 13.6 20.4



#26
2-Nitrophenol
Concen: 43.88 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Tgt Ion: 139 Resp: 401853
Ion Ratio Lower Upper
139 100
109 33.1 25.4 38.2
65 66.3 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 42.61 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

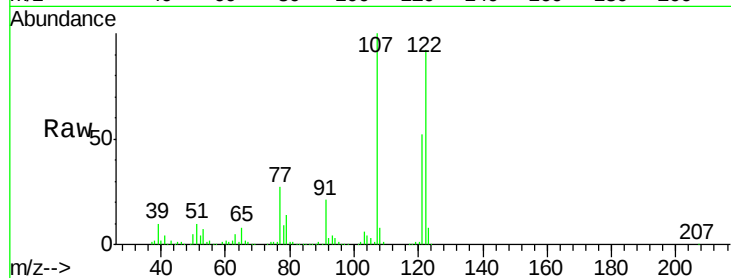
Tgt Ion:122 Resp: 789891

Ion Ratio Lower Upper

122 100

107 109.1 99.1 148.7

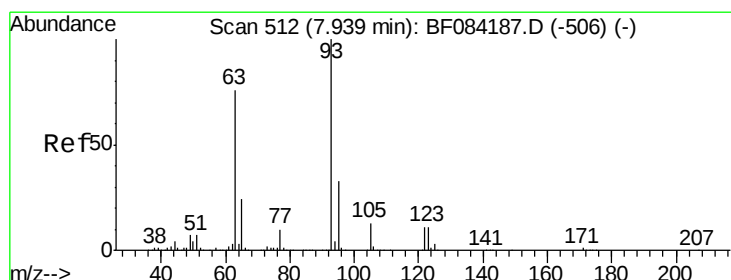
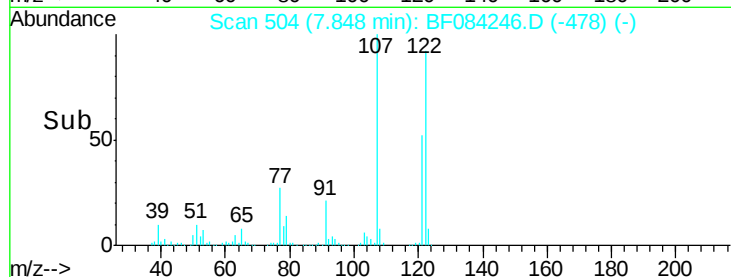
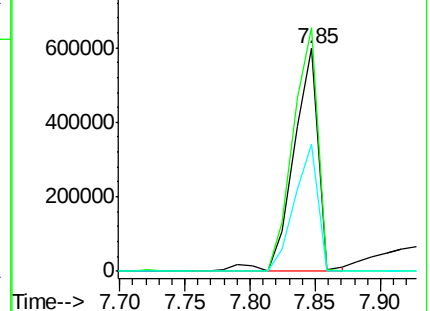
121 57.2 47.9 71.9



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: 40.42 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

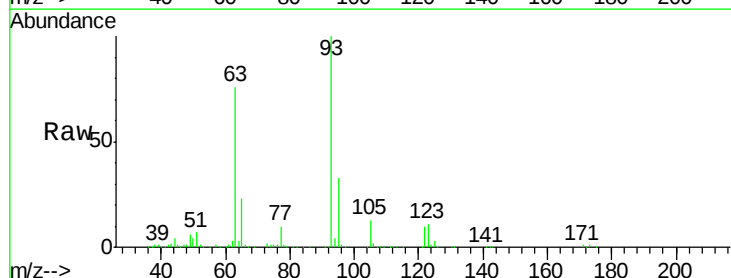
Tgt Ion: 93 Resp: 936773

Ion Ratio Lower Upper

93 100

95 33.2 25.8 38.6

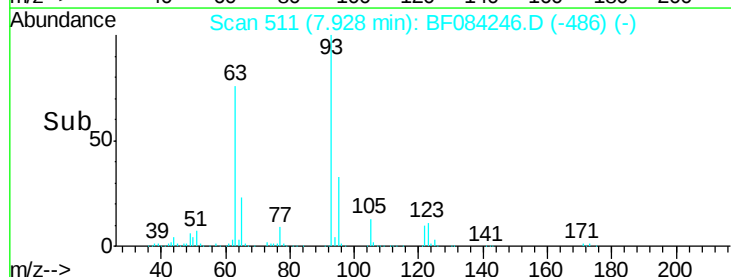
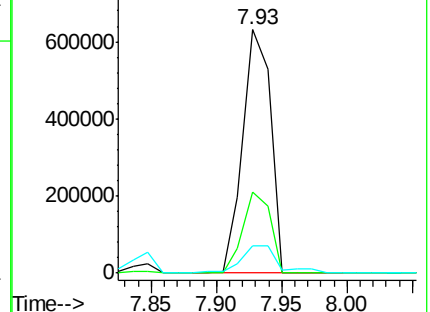
123 11.0 8.6 12.8



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: 41.72 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

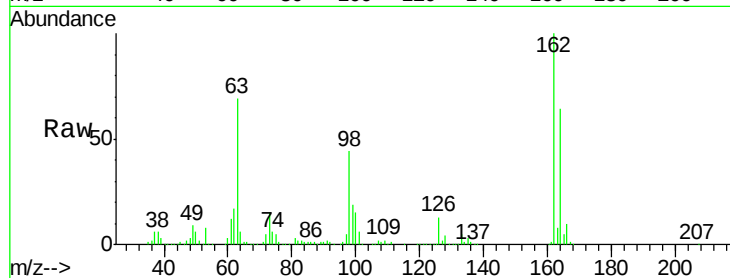
Tgt Ion:162 Resp: 644238

Ion Ratio Lower Upper

162 100

164 63.9 44.1 84.1

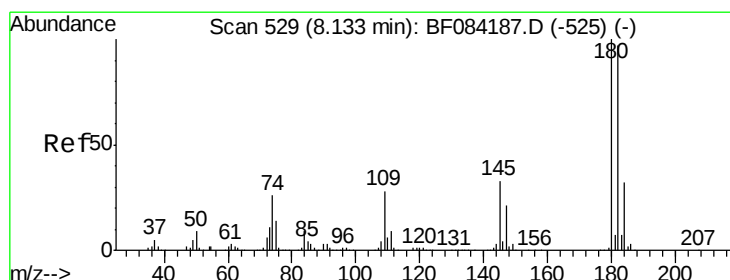
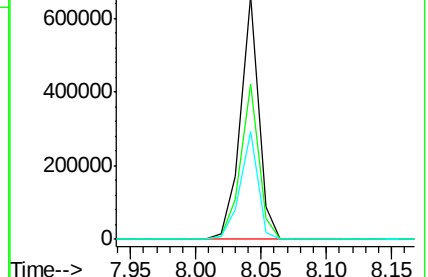
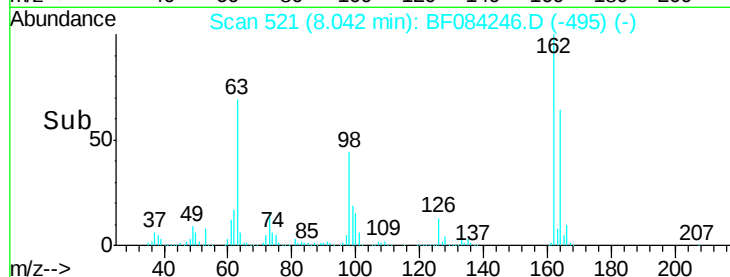
98 44.2 20.2 60.2



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): B



#30

1,2,4-Trichlorobenzene

Concen: 43.03 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

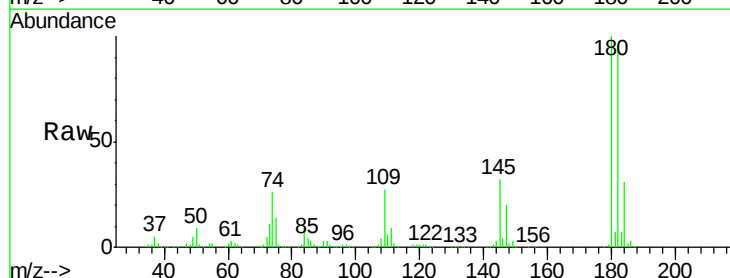
Tgt Ion:180 Resp: 685923

Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

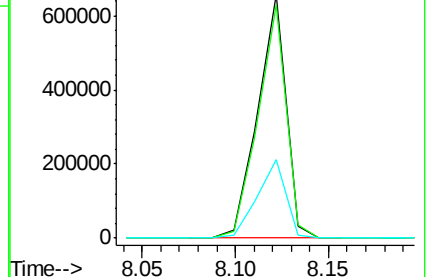
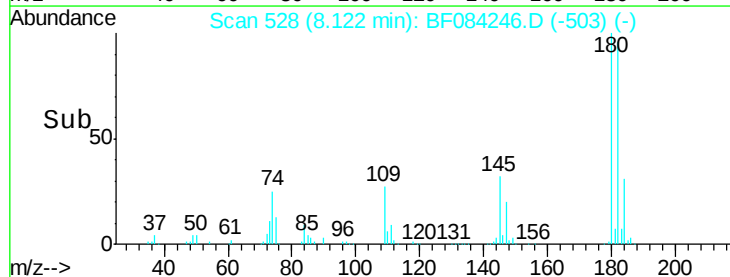
145 32.1 31.6 47.4

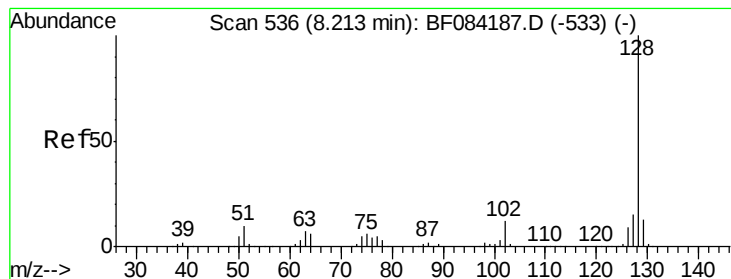


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.21 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

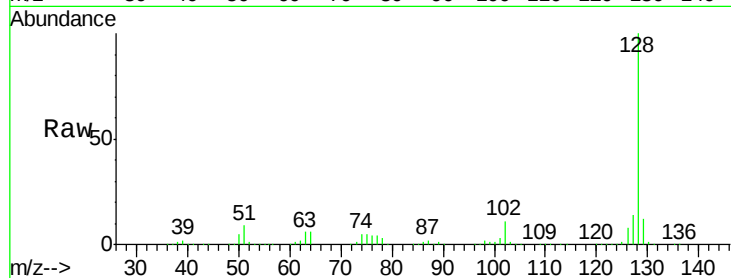
Tgt Ion:128 Resp: 2114597

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

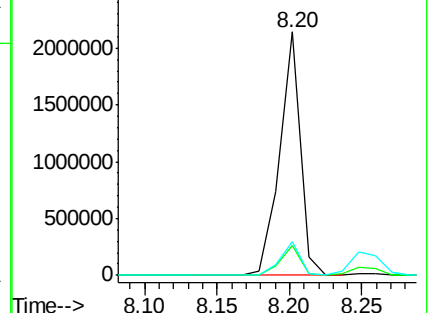
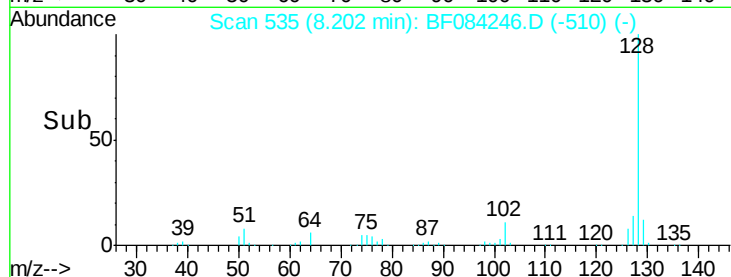
127 14.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 41.99 ng

RT: 7.97 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

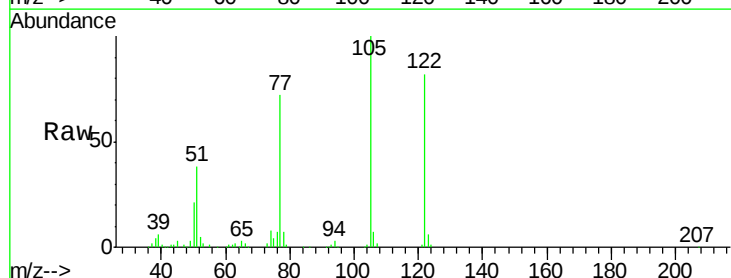
Tgt Ion:122 Resp: 489987

Ion Ratio Lower Upper

122 100

105 122.5 100.3 140.3

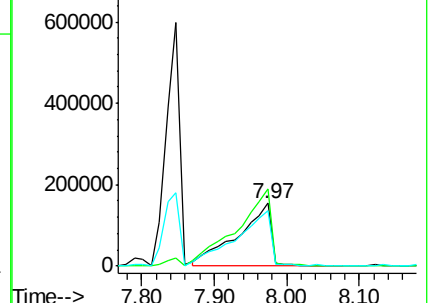
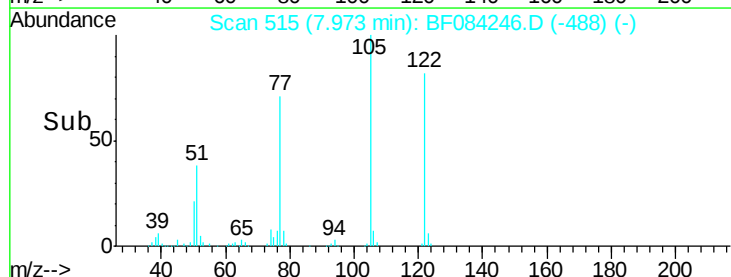
77 87.9 63.5 103.5

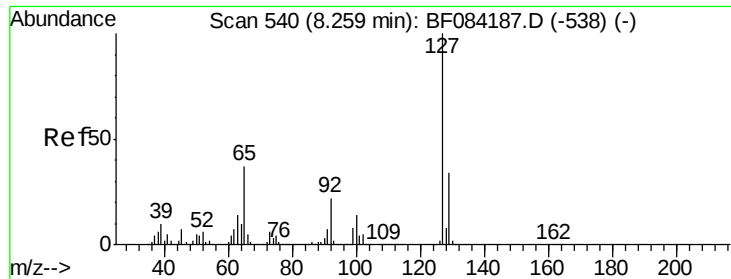


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

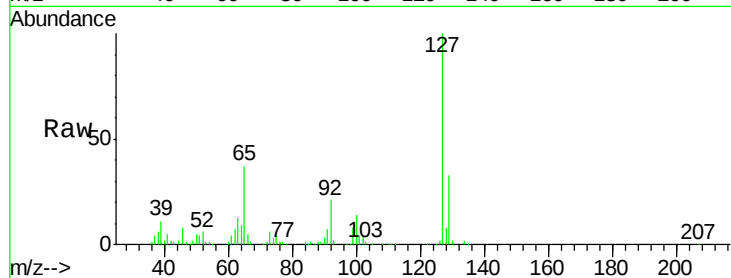




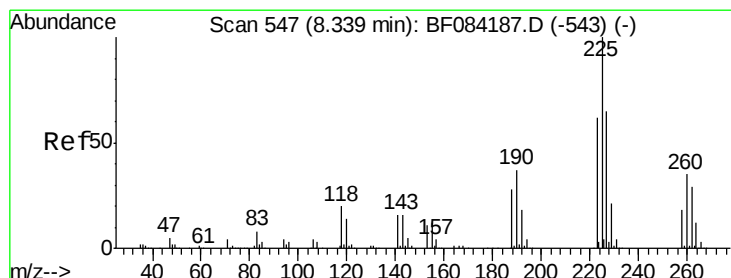
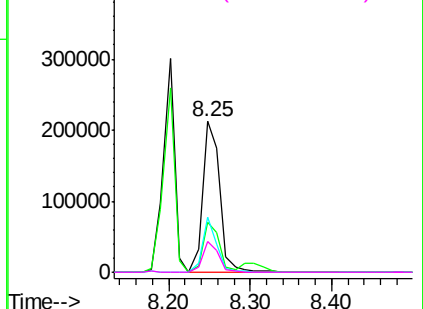
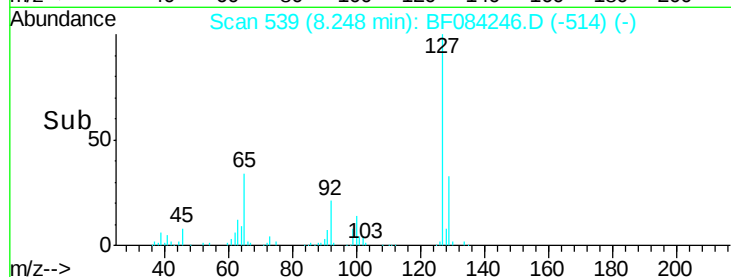
#33
4-Chloroaniline
Concen: 13.62 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Instrument :
BNA_F
ClientSampleId :
PB87615BS

Tgt Ion:	127	Resp:	312817
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.5	39.7
65	36.6	27.2	40.8
92	20.8	17.7	26.5

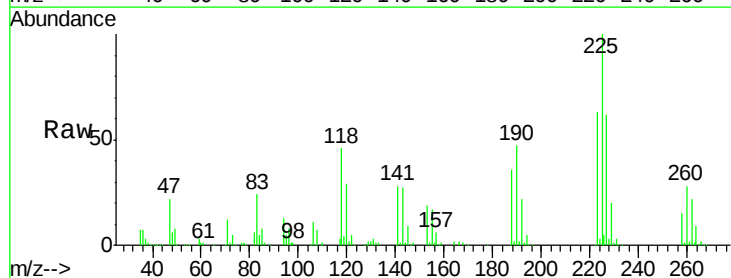


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

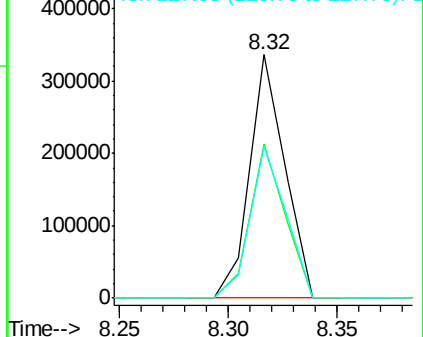
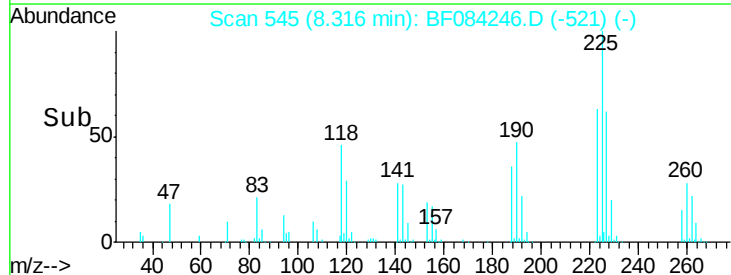


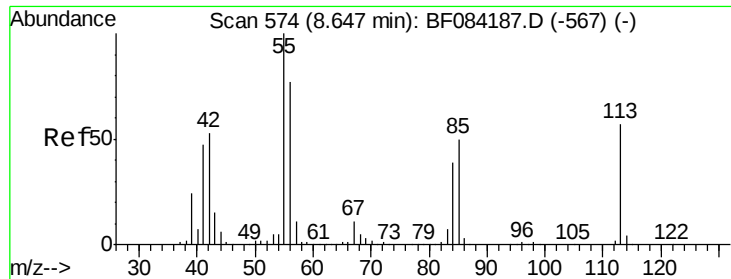
#34
Hexachlorobutadiene
Concen: 41.27 ng
RT: 8.32 min Scan# 545
Delta R.T. -0.02 min
Lab File: BF084246.D
Acq: 4 Jan 2016 18:35

Tgt Ion:	225	Resp:	378148
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.0
227	62.1	50.8	76.2



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

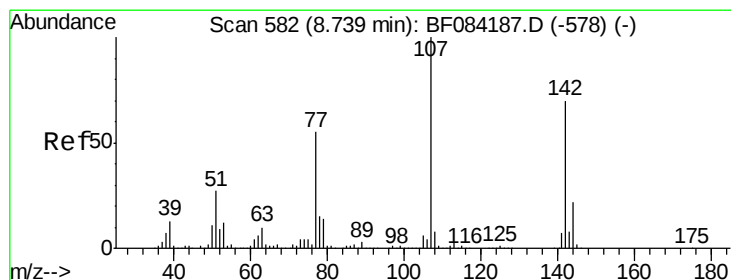
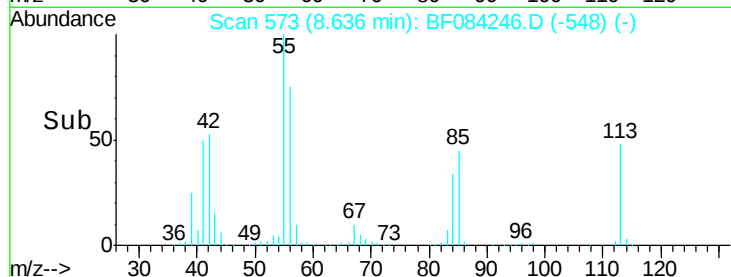
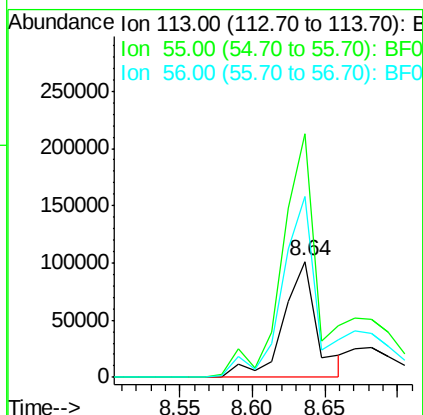
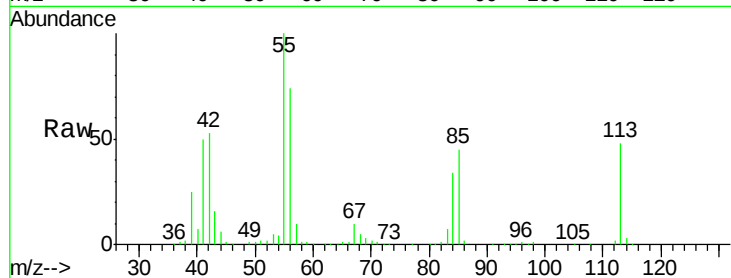




#35
 Caprolactam
 Concen: 31.04 ng
 RT: 8.64 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

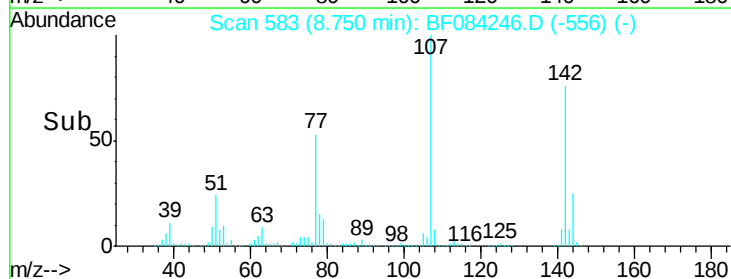
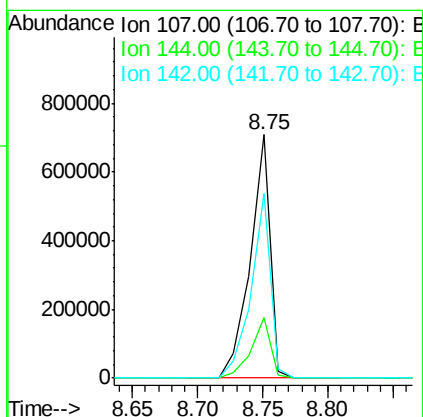
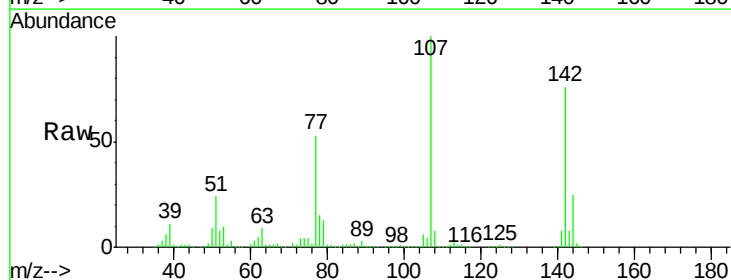
Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

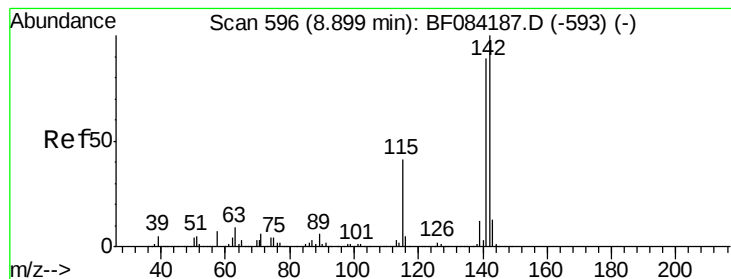
Tgt Ion:113 Resp: 161550
 Ion Ratio Lower Upper
 113 100
 55 210.4 116.9 156.9#
 56 156.6 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 43.86 ng
 RT: 8.75 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Tgt Ion:107 Resp: 758683
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.7 29.5
 142 75.8 61.8 92.6

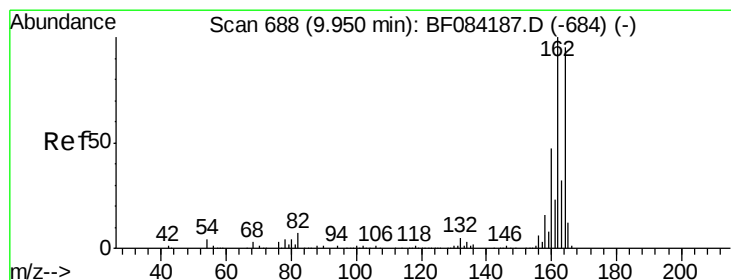
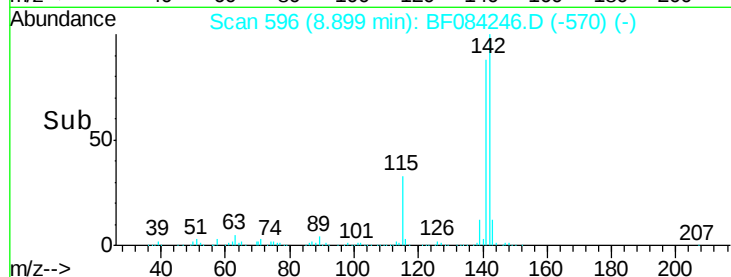
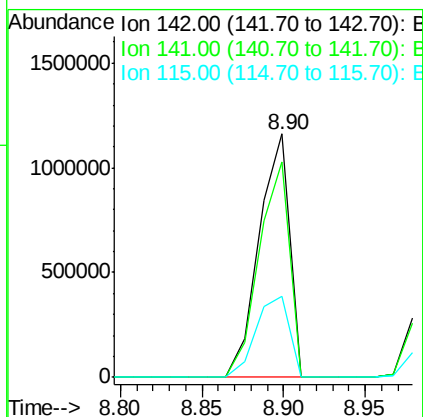
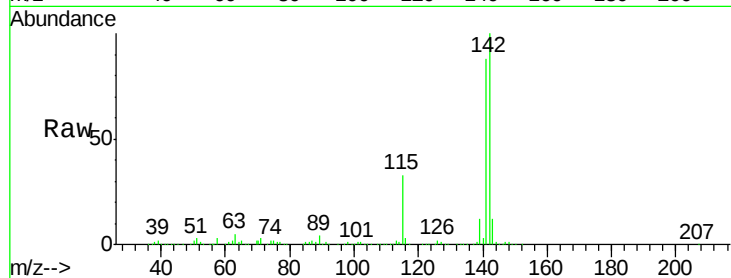




#37
 2-Methylnaphthalene
 Concen: 42.03 ng
 RT: 8.90 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

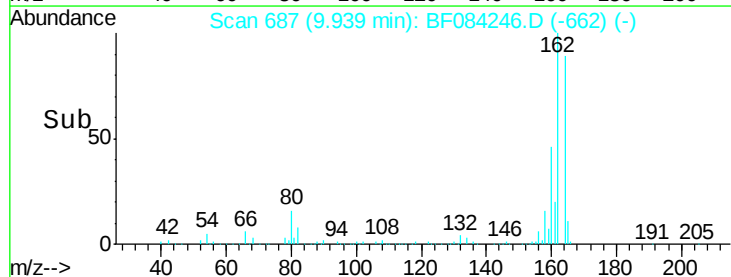
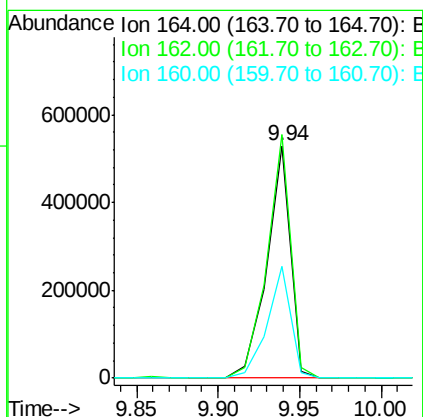
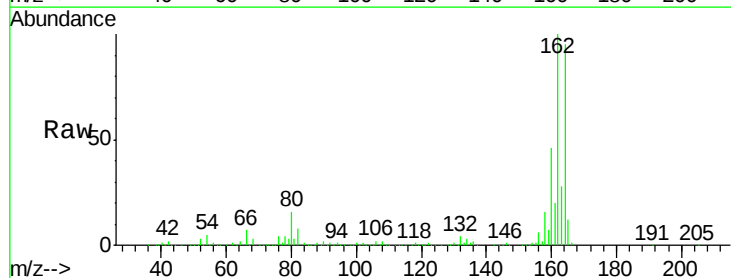
Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

Tgt Ion:142 Resp: 1511360
 Ion Ratio Lower Upper
 142 100
 141 88.3 72.4 108.6
 115 33.2 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Tgt Ion:164 Resp: 530908
 Ion Ratio Lower Upper
 164 100
 162 104.7 85.1 127.7
 160 48.0 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.14 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

Instrument :

BNA_F

ClientSampleId :

PB87615BS

Tgt Ion:216 Resp: 612579

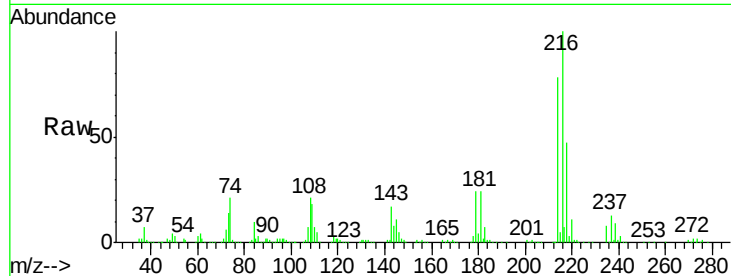
Ion Ratio Lower Upper

216 100

214 77.4 64.2 96.2

179 23.9 18.7 28.1

108 25.7 16.8 25.2#

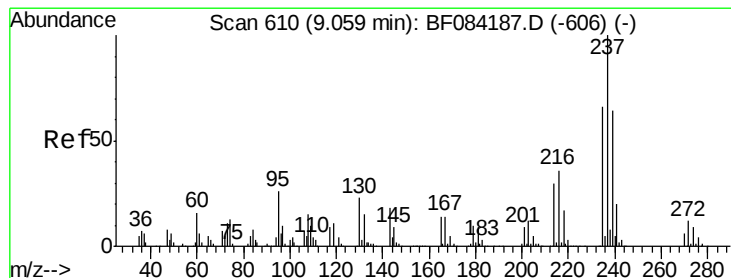
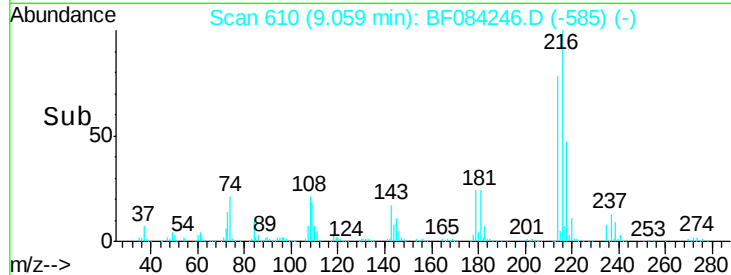
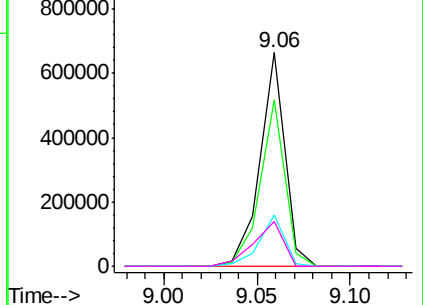


Abundance Ion 216.00 (215.70 to 216.70): E

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: 77.97 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF084246.D

Acq: 4 Jan 2016 18:35

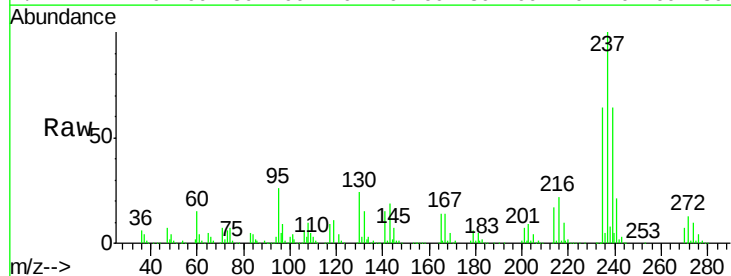
Tgt Ion:237 Resp: 718376

Ion Ratio Lower Upper

237 100

235 64.2 43.1 83.1

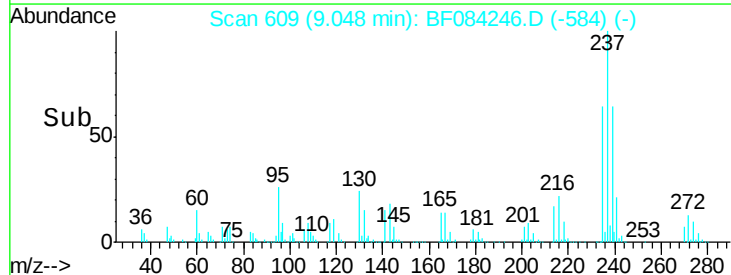
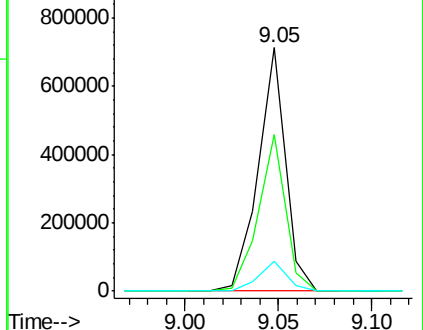
272 12.5 0.0 35.1

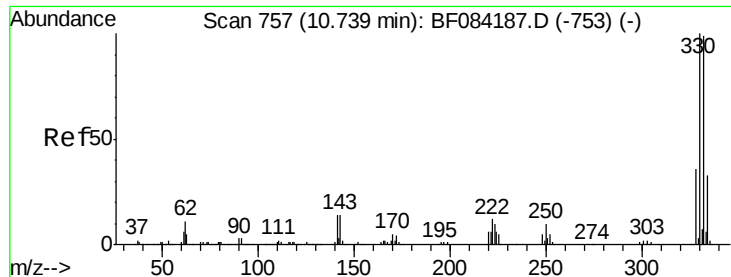


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

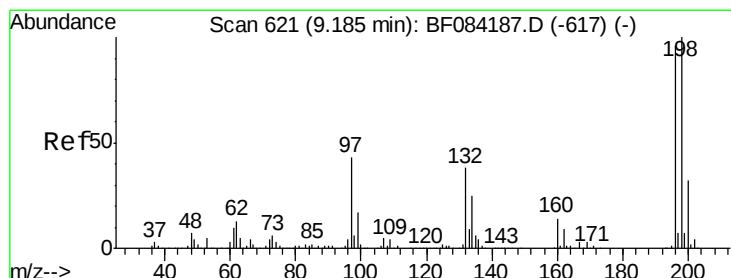
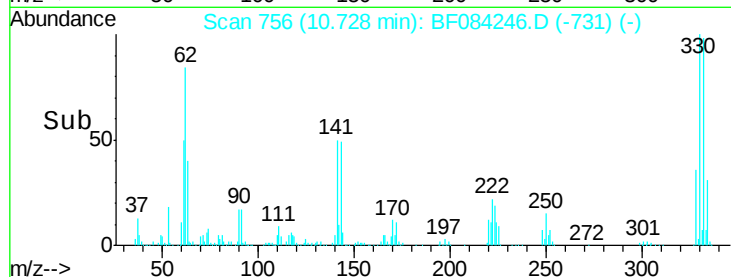
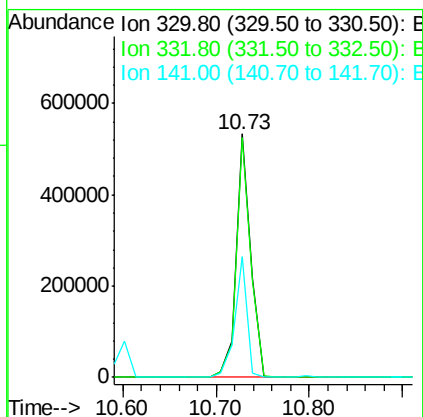
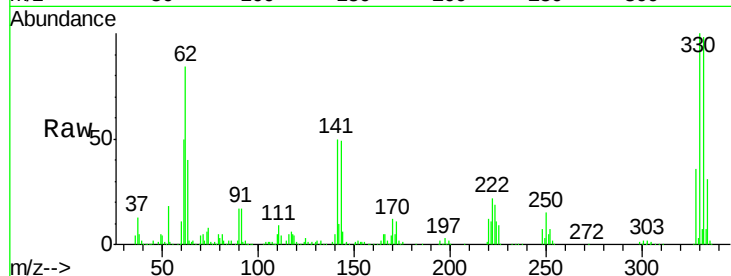




#41
 2,4,6-Tribromophenol
 Concen: 108.42 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

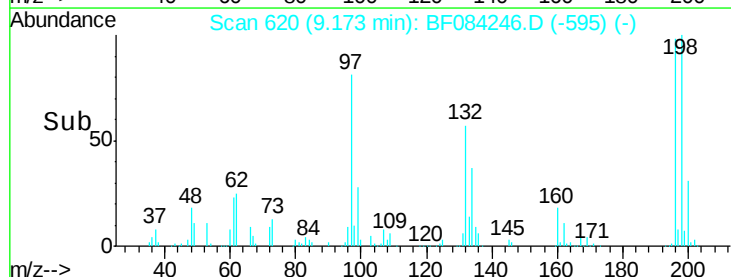
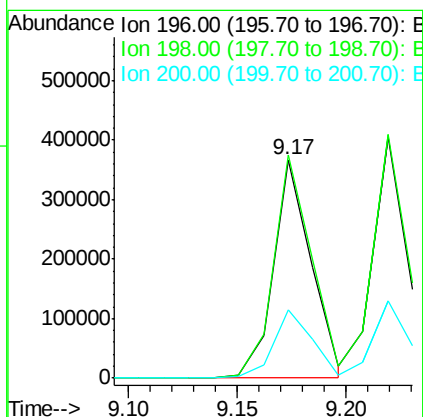
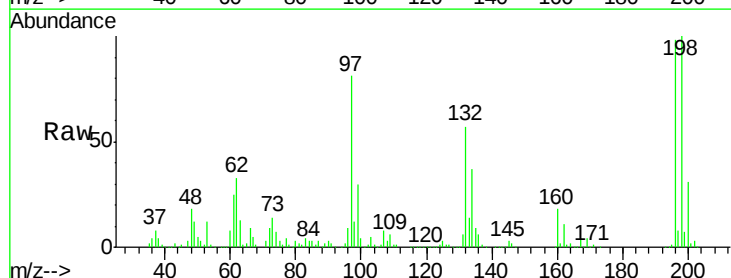
Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

Tgt Ion:330 Resp: 581145
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 41.9 27.8 41.6#



#42
 2,4,6-Trichlorophenol
 Concen: 39.00 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Tgt Ion:196 Resp: 445303
 Ion Ratio Lower Upper
 196 100
 198 102.2 77.7 116.5
 200 31.5 24.6 37.0

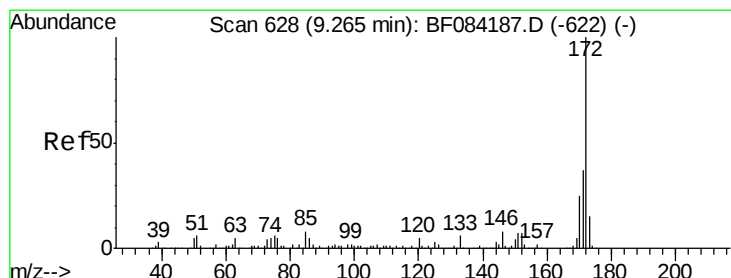
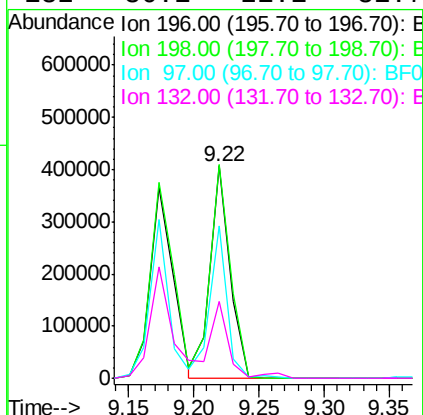
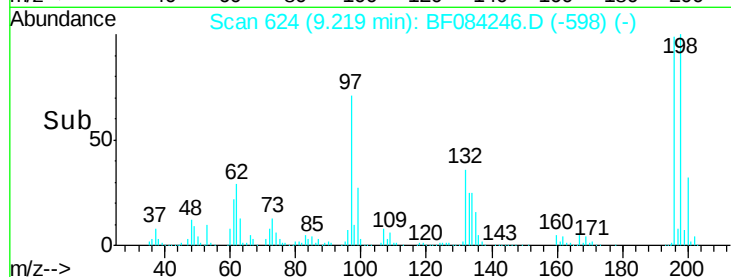
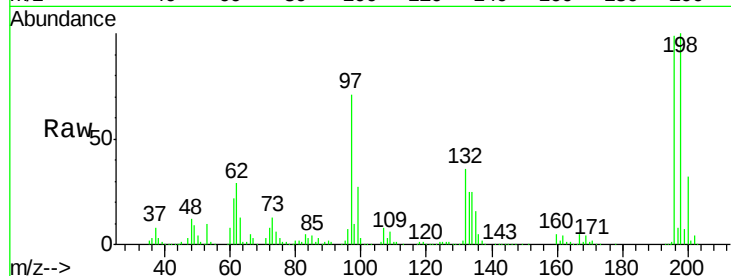




#43
 2,4,5-Trichlorophenol
 Concen: 39.92 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Instrument :
 BNA_F
 ClientSampleId :
 PB87615BS

Tgt Ion:196 Resp: 437002
 Ion Ratio Lower Upper
 196 100
 198 100.8 79.0 118.6
 97 72.0 33.0 49.6#
 132 36.1 21.1 31.7#



#44
 2-Fluorobiphenyl
 Concen: 91.53 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084246.D
 Acq: 4 Jan 2016 18:35

Tgt Ion:172 Resp: 2747785
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 25.3 18.6 27.8

