

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092592.D
 Acq On : 27 Jan 2017 22:48
 Operator : SJ/MA
 Sample : I1448-06MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

Quant Time: Jan 28 04:12:49 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	184918	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	764227	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	396524	20.00	ng	0.01
63) Phenanthrene-d10	11.53	188	595129	20.00	ng	0.00
75) Chrysene-d12	14.17	240	377485	20.00	ng	0.00
86) Perylene-d12	15.65	264	350429	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1432944	120.56	ng	0.05
7) Phenol-d6	6.62	99	1923158	127.03	ng	0.03
23) Nitrobenzene-d5	7.55	82	1220225	87.22	ng	0.01
41) 2,4,6-Tribromophenol	10.84	330	359143	132.91	ng	0.02
44) 2-Fluorobiphenyl	9.36	172	1859115	86.70	ng	0.00
78) Terphenyl-d14	13.12	244	1432949	101.08	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.69	88	213911	33.84	ng	# 82
3) Pyridine	3.45	79	612699	34.05	ng	# 81
4) n-Nitrosodimethylamine	3.42	42	334996	37.95	ng	85
6) Aniline	6.64	93	299959	13.28	ng	# 72
8) 2-Chlorophenol	6.77	128	537017	43.02	ng	84
9) Benzaldehyde	6.52	77	284835	26.51	ng	98
10) Phenol	6.65	94	761617	41.68	ng	# 69
11) bis(2-Chloroethyl)ether	6.72	93	607229	44.41	ng	98
12) 1,3-Dichlorobenzene	7.15	146	590873	40.02	ng	98
13) 1,4-Dichlorobenzene	6.99	146	599087	40.32	ng	98
14) 1,2-Dichlorobenzene	7.15	146	591048	41.93	ng	96
15) Benzyl Alcohol	7.13	79	508001	44.53	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.25	45	944208	34.91	ng	73
17) 2-Methylphenol	7.24	107	475261	44.55	ng	96
18) Hexachloroethane	7.49	117	216304	42.26	ng	90
19) n-Nitroso-di-n-propylamine	7.40	70	421232	40.86	ng	# 93
20) 3+4-Methylphenols	7.40	107	604107	46.68	ng	# 75
22) Acetophenone	7.39	105	826014	45.38	ng	# 98
24) Nitrobenzene	7.56	77	590764	40.31	ng	100
25) Isophorone	7.80	82	1127788	40.91	ng	95
26) 2-Nitrophenol	7.88	139	312294	50.85	ng	96
27) 2,4-Dimethylphenol	7.93	122	511125	40.02	ng	99
28) bis(2-Chloroethoxy)methane	8.02	93	787793	43.53	ng	100
29) 2,4-Dichlorophenol	8.13	162	513342	46.35	ng	93
30) 1,2,4-Trichlorobenzene	8.21	180	524939	43.86	ng	100
31) Naphthalene	8.29	128	1647621	42.12	ng	99
32) Benzoic acid	8.01	122	53317	9.73	ng	97
33) 4-Chloroaniline	8.34	127	106675	6.45	ng	98
34) Hexachlorobutadiene	8.41	225	277113	42.33	ng	100
35) Caprolactam	8.72	113	113425	30.67	ng	# 34
36) 4-Chloro-3-methylphenol	8.84	107	488158	40.88	ng	97
37) 2-Methylnaphthalene	8.99	142	1127992	45.55	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.15	216	482085	48.20	ng	100
40) Hexachlorocyclopentadiene	9.14	237	352117	70.30	ng	97

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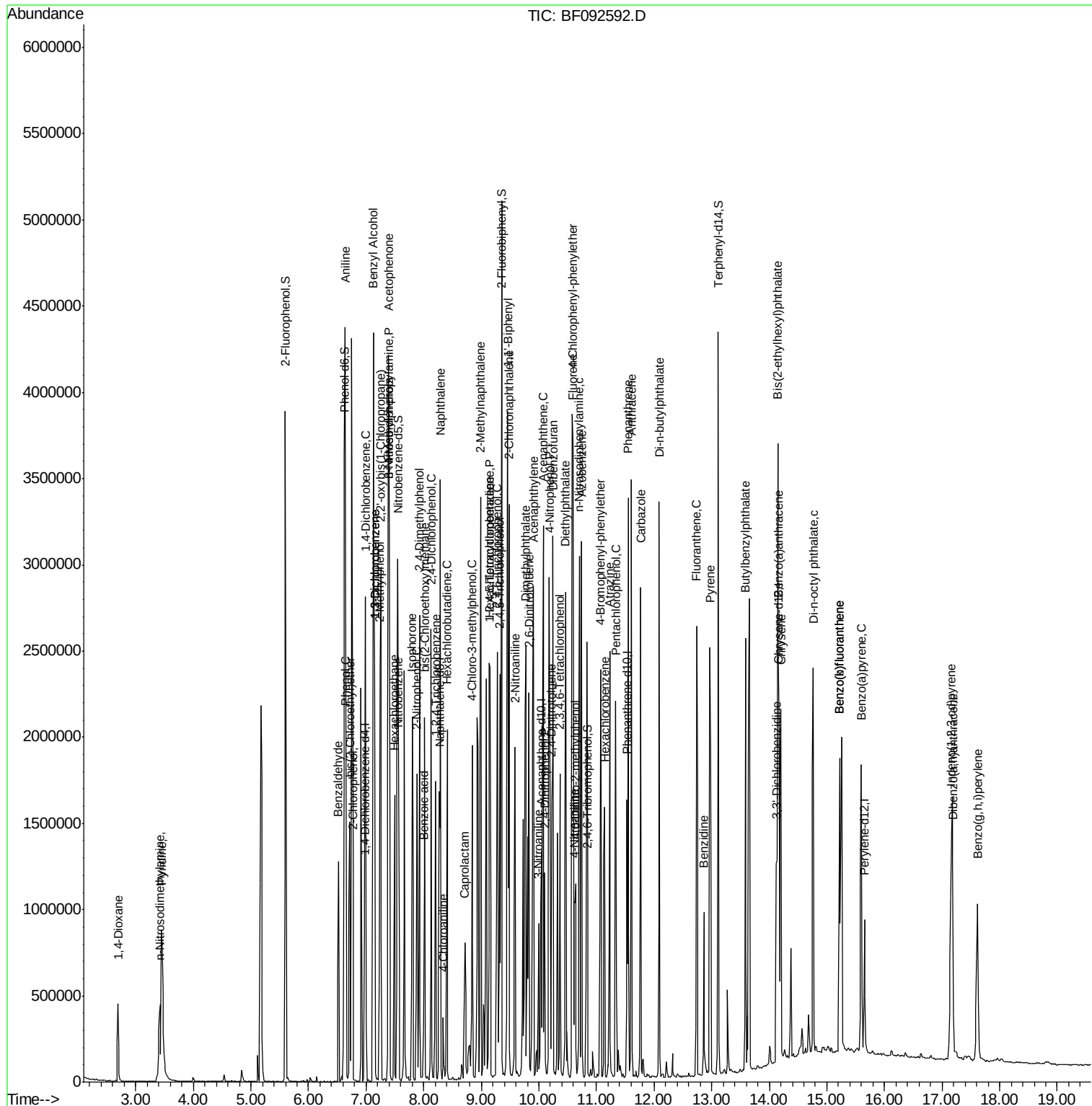
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	363250	47.40	ng	93
43) 2,4,5-Trichlorophenol	9.32	196	353790	50.45	ng #	88
45) 1,1'-Biphenyl	9.46	154	1393632	48.62	ng	99
46) 2-Chloronaphthalene	9.48	162	1008052	43.06	ng	98
47) 2-Nitroaniline	9.58	65	372854	47.29	ng	91
48) Acenaphthylene	9.90	152	1624788	47.32	ng	99
49) Dimethylphthalate	9.77	163	1680962	66.66	ng	99
50) 2,6-Dinitrotoluene	9.82	165	261581	50.75	ng #	86
51) Acenaphthene	10.08	154	1033275	48.43	ng	98
52) 3-Nitroaniline	10.00	138	140395	21.75	ng	90
53) 2,4-Dinitrophenol	10.10	184	139130	52.33	ng #	71
54) Dibenzofuran	10.25	168	1403540	48.44	ng	94
55) 4-Nitrophenol	10.18	139	357393	69.72	ng	95
56) 2,4-Dinitrotoluene	10.22	165	339088	49.57	ng	91
57) Fluorene	10.59	166	1040393	48.43	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.36	232	255048	48.55	ng	96
59) Diethylphthalate	10.46	149	1161614	48.04	ng	97
60) 4-Chlorophenyl-phenylether	10.58	204	484182	46.47	ng #	86
61) 4-Nitroaniline	10.62	138	295097	45.71	ng	82
62) Azobenzene	10.74	77	1233359	44.83	ng	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	125403	40.02	ng #	33
65) n-Nitrosodiphenylamine	10.70	169	951434	51.19	ng	99
66) 4-Bromophenyl-phenylether	11.07	248	283989	47.26	ng	94
67) Hexachlorobenzene	11.14	284	291252	47.95	ng	95
68) Atrazine	11.23	200	268734	42.24	ng	99
69) Pentachlorophenol	11.33	266	248701	64.04	ng	96
70) Phenanthrene	11.55	178	1334346	40.71	ng	99
71) Anthracene	11.61	178	1605245	50.12	ng	98
72) Carbazole	11.77	167	1448040	47.35	ng	98
73) Di-n-butylphthalate	12.09	149	1697941	48.56	ng #	97
74) Fluoranthene	12.74	202	1377772	42.98	ng	98
76) Benzidine	12.86	184	368921	26.33	ng	96
77) Pyrene	12.97	202	1409895	51.55	ng	99
79) Butylbenzylphthalate	13.59	149	610650	55.11	ng	100
80) Benzo(a)anthracene	14.16	228	1006448	49.61	ng	100
81) 3,3'-Dichlorobenzidine	14.12	252	230947	29.98	ng #	96
82) Chrysene	14.20	228	1007096	46.48	ng	98
83) Bis(2-ethylhexyl)phthalate	14.15	149	881488	63.17	ng #	97
84) Di-n-octyl phthalate	14.76	149	1396088	55.11	ng	99
85) Indeno(1,2,3-cd)pyrene	17.16	276	1010840	63.06	ng	95
87) Benzo(b)fluoranthene	15.22	252	900553	40.03	ng	98
88) Benzo(k)fluoranthene	15.22	252	900553	48.14	ng	97
89) Benzo(a)pyrene	15.60	252	877235	46.09	ng	99
90) Dibenzo(a,h)anthracene	17.19	278	854566	55.53	ng	96
91) Benzo(g,h,i)perylene	17.62	276	841524	54.07	ng #	94

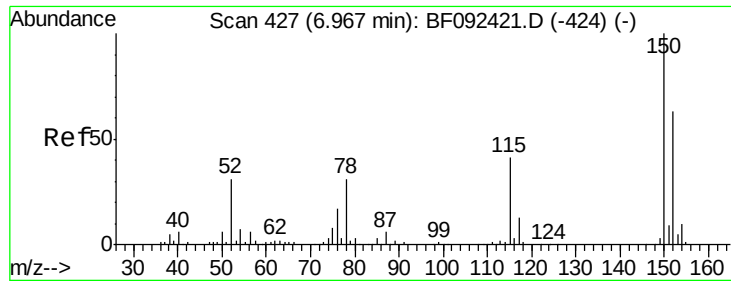
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

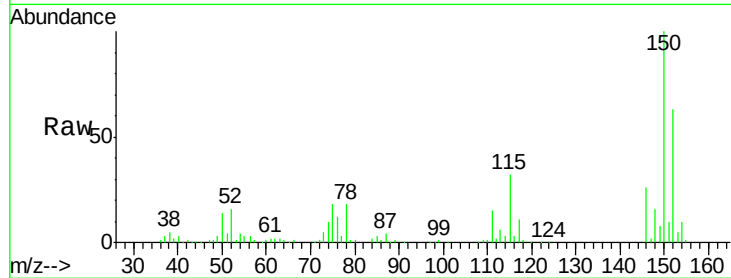
Tgt Ion:152 Resp: 184918

Ion Ratio Lower Upper

152 100

150 157.6 124.9 187.3

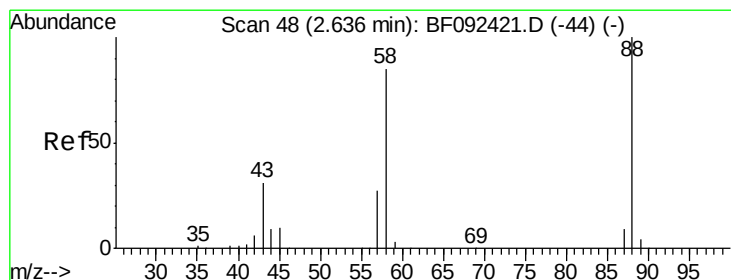
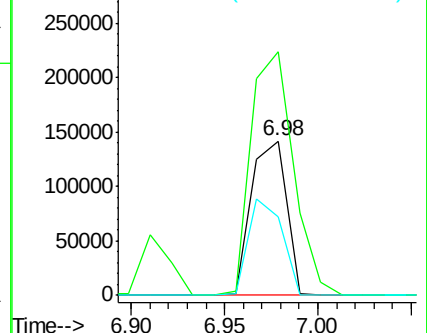
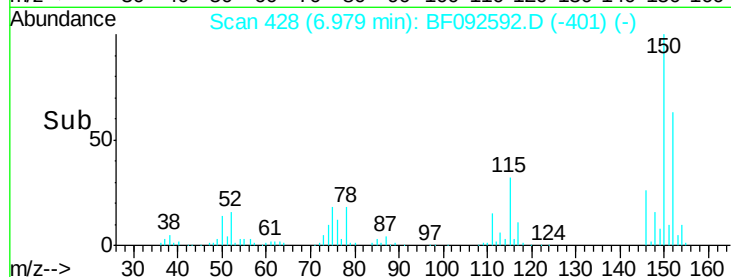
115 51.1 46.0 69.0



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: 33.84 ng

RT: 2.69 min Scan# 53

Delta R.T. 0.06 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

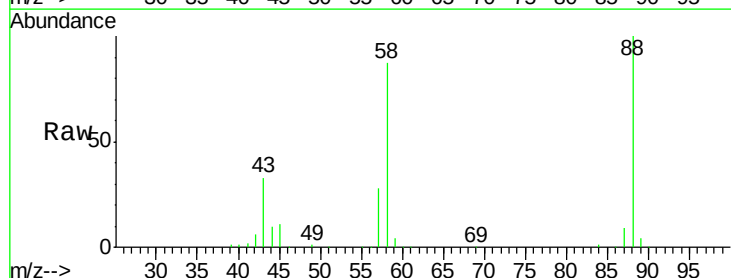
Tgt Ion: 88 Resp: 213911

Ion Ratio Lower Upper

88 100

58 89.9 57.8 86.8#

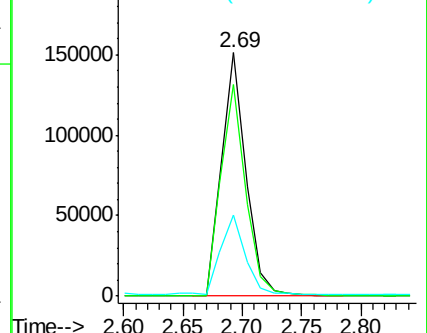
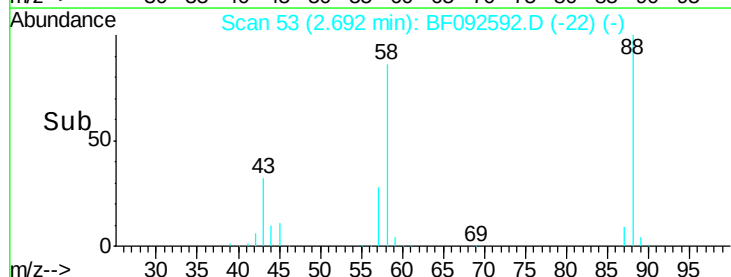
43 33.3 22.3 33.5

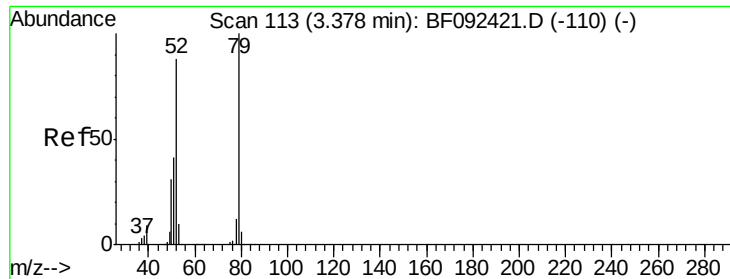


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 34.05 ng

RT: 3.45 min Scan# 119

Delta R.T. 0.07 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

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ClientSampleId :

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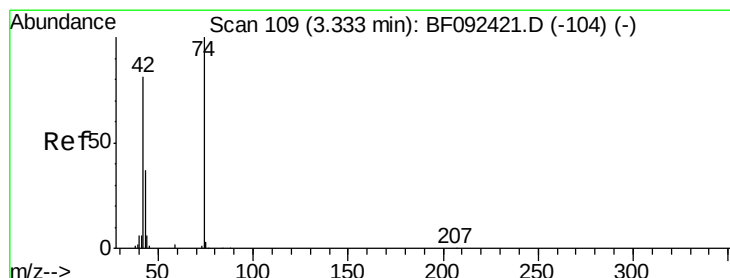
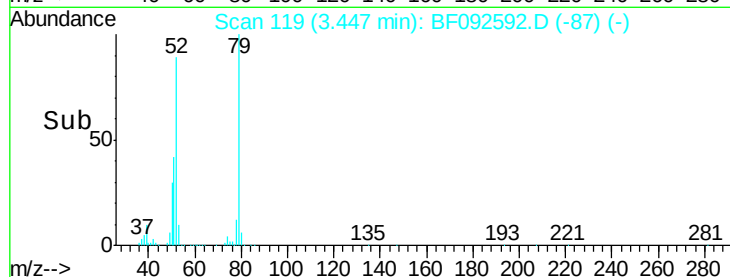
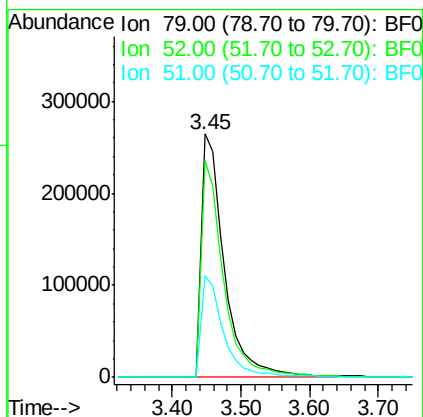
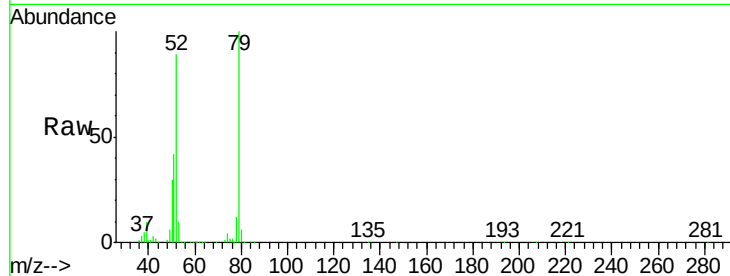
Tgt Ion: 79 Resp: 612699

Ion Ratio Lower Upper

79 100

52 89.2 57.1 85.7#

51 41.6 27.3 40.9#



#4

n-Nitrosodimethylamine

Concen: 37.95 ng

RT: 3.42 min Scan# 117

Delta R.T. 0.09 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

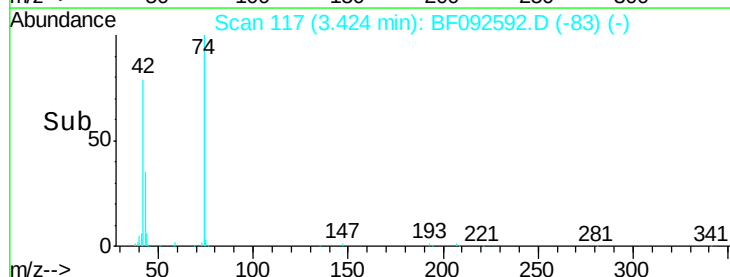
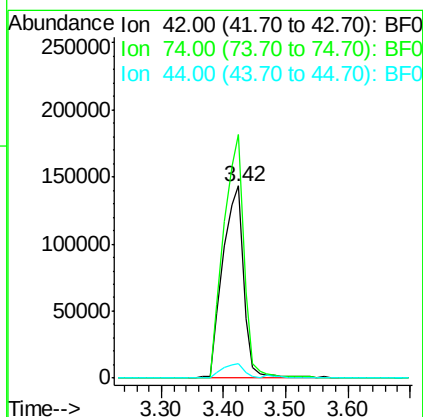
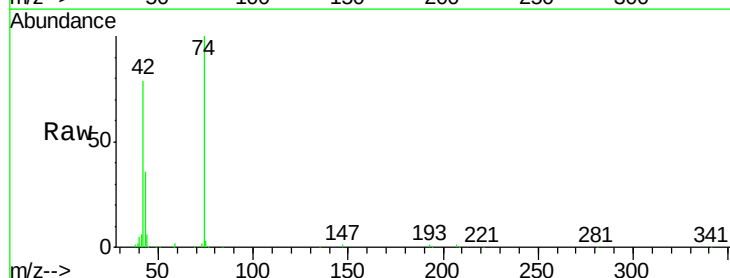
Tgt Ion: 42 Resp: 334996

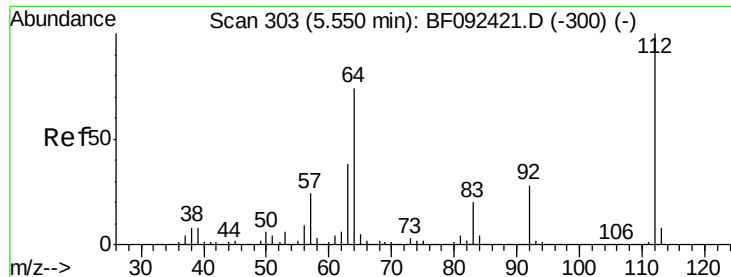
Ion Ratio Lower Upper

42 100

74 126.9 117.0 175.4

44 7.3 5.5 8.3





#5

2-Fluorophenol

Concen: 120.56 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

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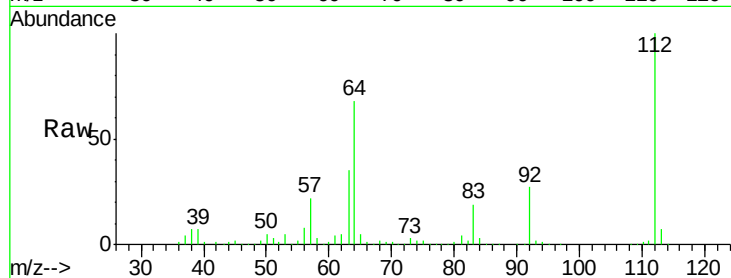
Tgt Ion: 112 Resp: 1432944

Ion Ratio Lower Upper

112 100

64 68.1 46.1 69.1

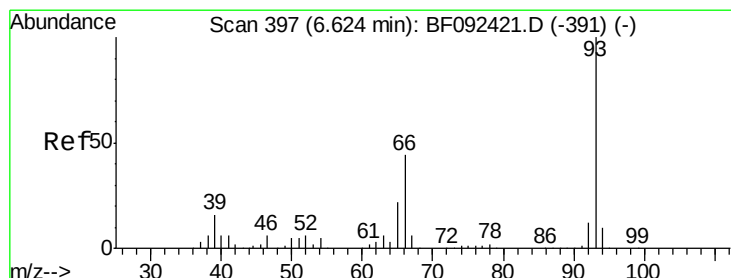
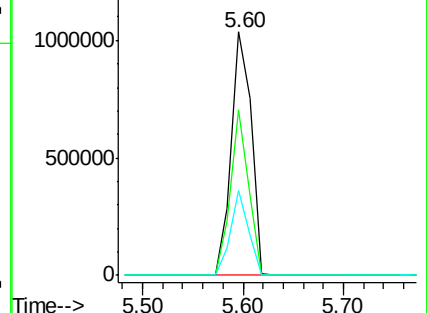
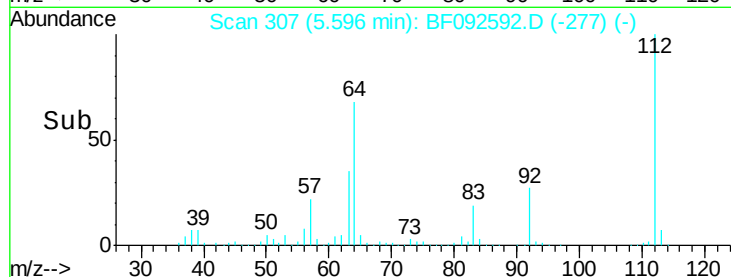
63 34.7 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.28 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

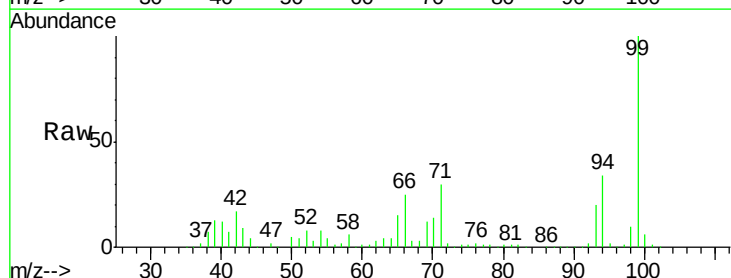
Tgt Ion: 93 Resp: 299959

Ion Ratio Lower Upper

93 100

66 129.1 76.2 114.2#

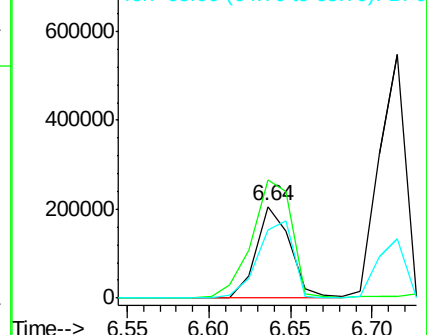
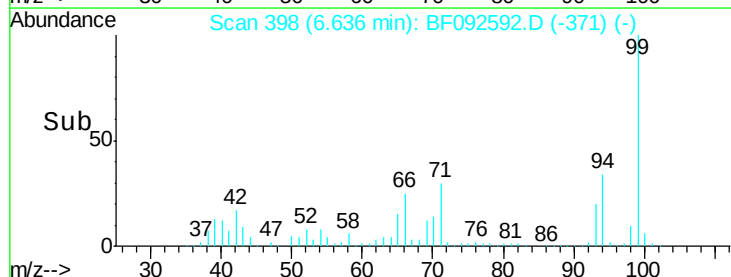
65 75.1 49.3 73.9#

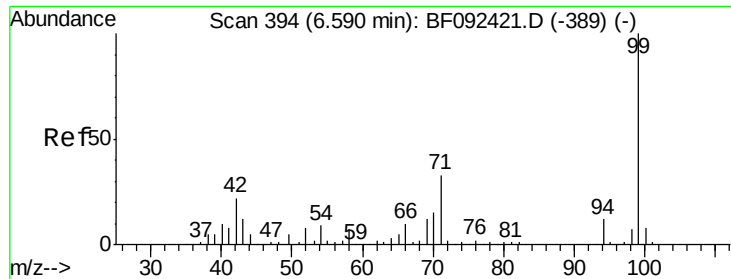


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.03 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092592.D

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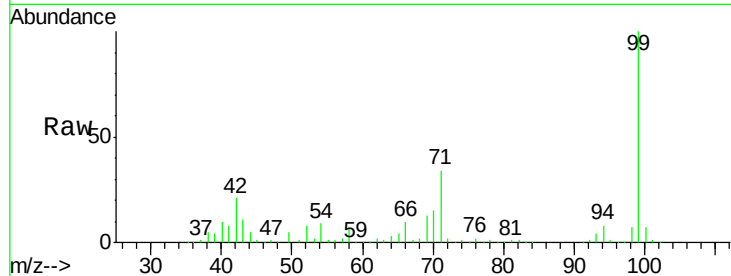
Tgt Ion: 99 Resp: 1923158

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

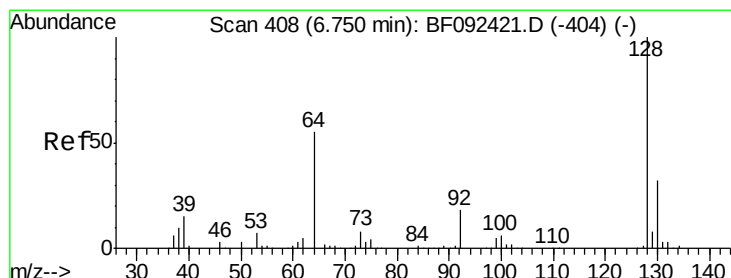
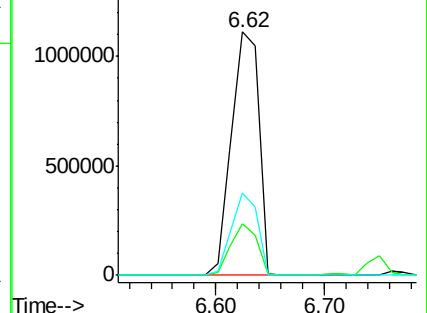
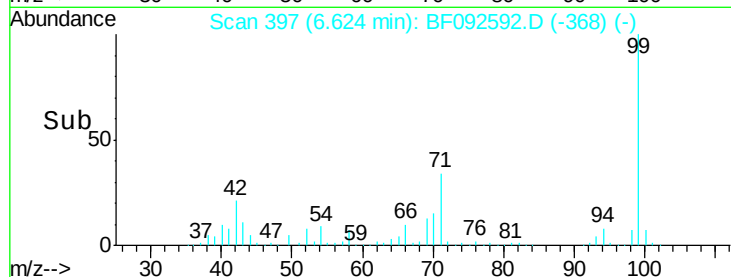
71 34.0 27.5 41.3



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: 43.02 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.02 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

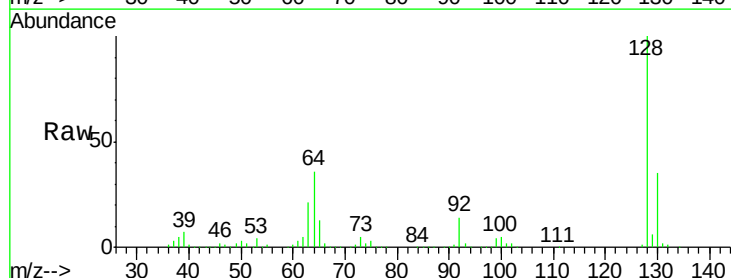
Tgt Ion: 128 Resp: 537017

Ion Ratio Lower Upper

128 100

130 34.7 12.3 52.3

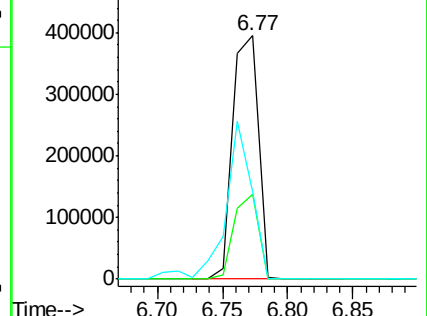
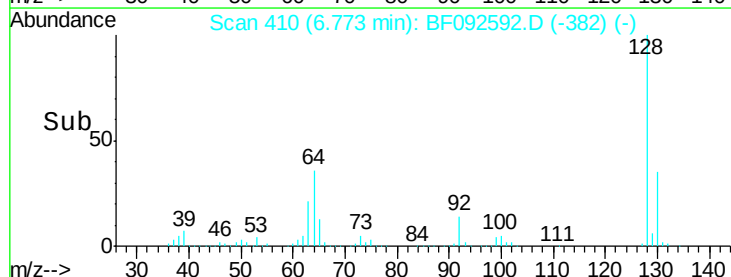
64 36.0 32.2 72.2

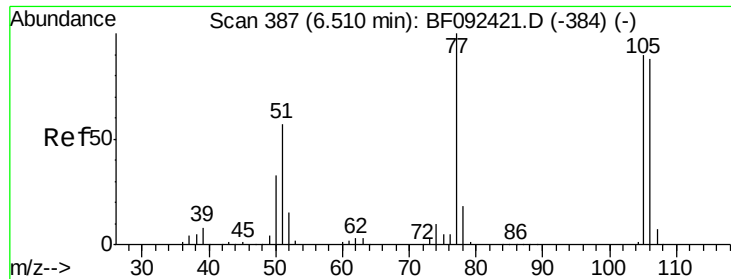


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 26.51 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

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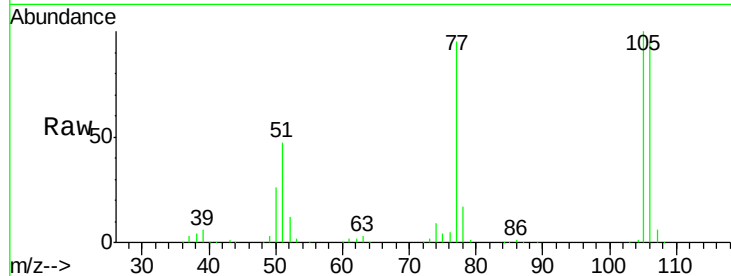
Tgt Ion: 77 Resp: 284835

Ion Ratio Lower Upper

77 100

105 105.7 83.9 123.9

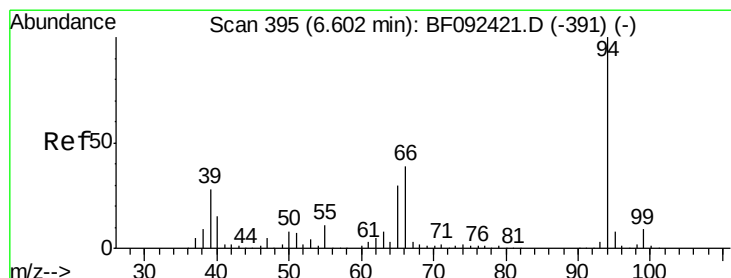
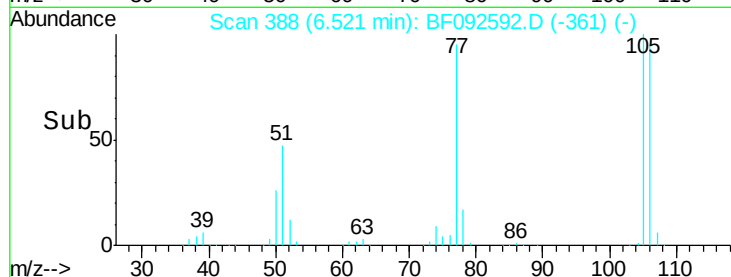
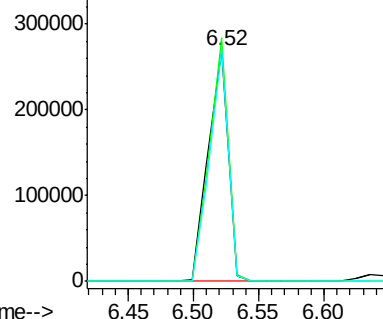
106 100.7 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 41.68 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.05 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

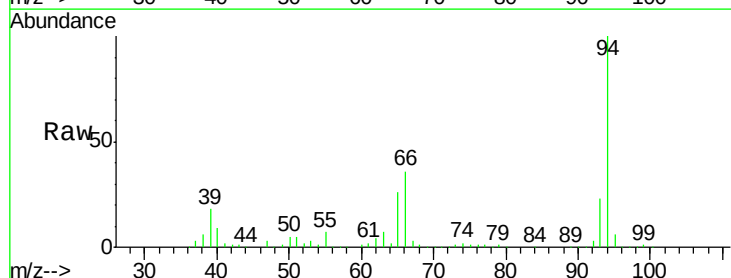
Tgt Ion: 94 Resp: 761617

Ion Ratio Lower Upper

94 100

65 26.2 21.4 61.4

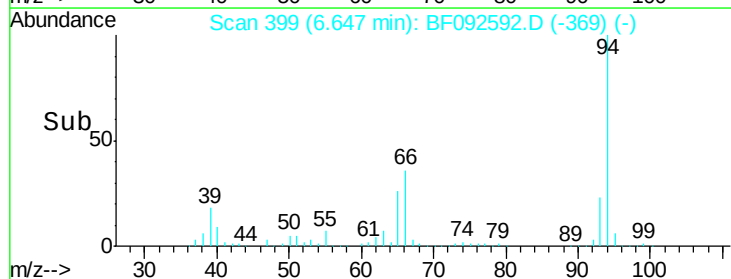
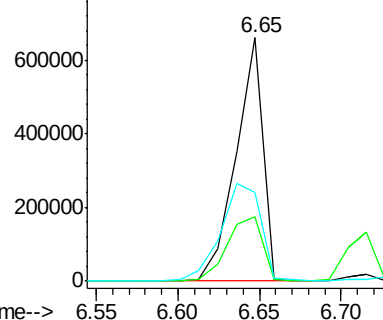
66 36.3 44.0 84.0#

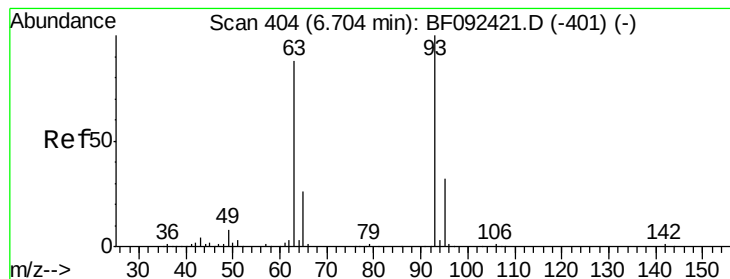


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 44.41 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

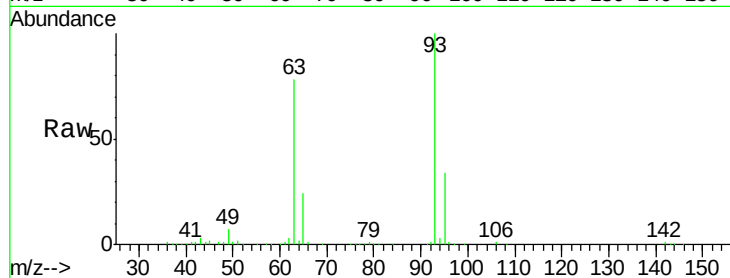
Tgt Ion: 93 Resp: 607229

Ion Ratio Lower Upper

93 100

63 78.1 60.4 100.4

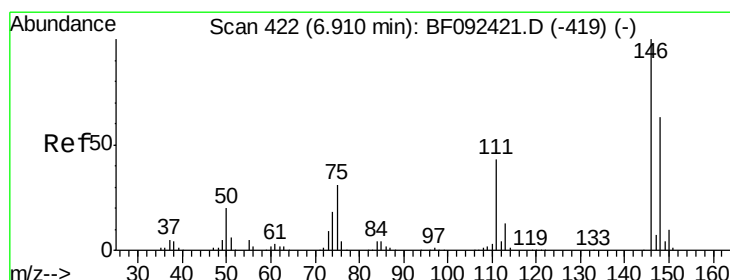
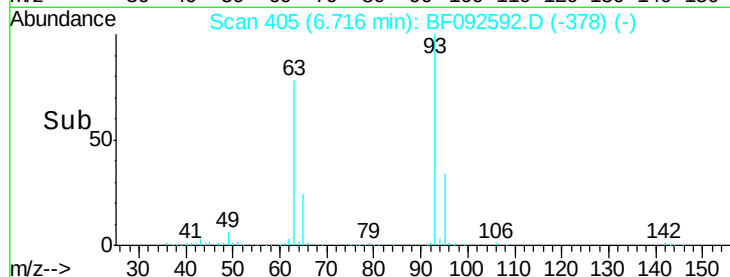
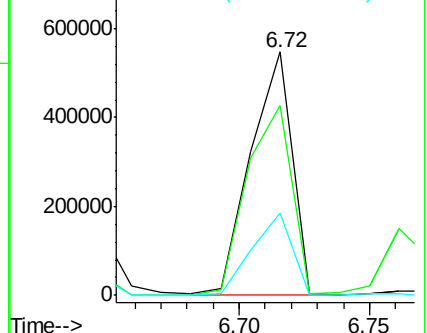
95 33.6 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 40.02 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.24 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

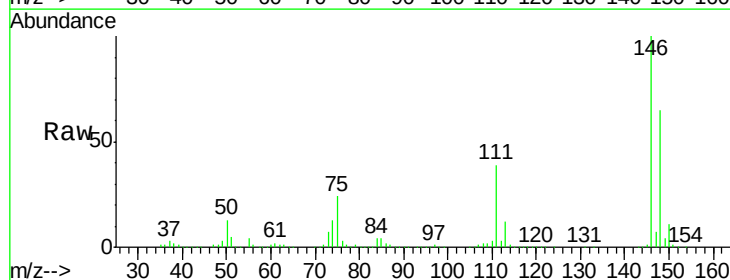
Tgt Ion: 146 Resp: 590873

Ion Ratio Lower Upper

146 100

148 64.7 53.4 80.0

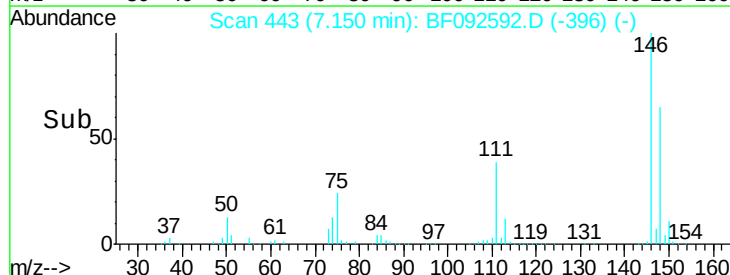
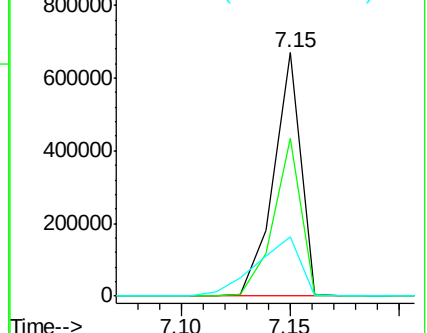
75 24.3 18.5 27.7

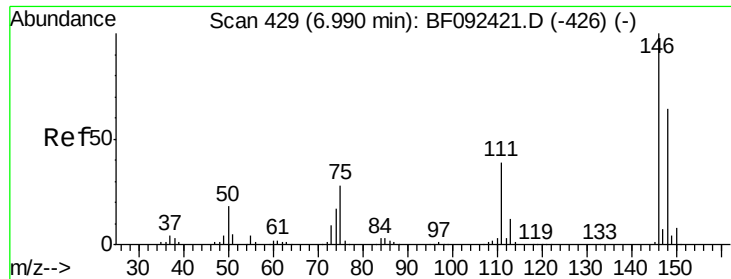


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

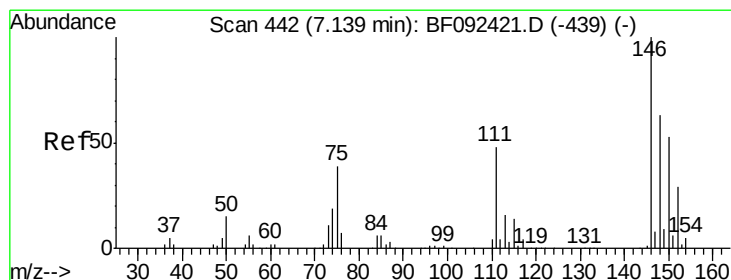
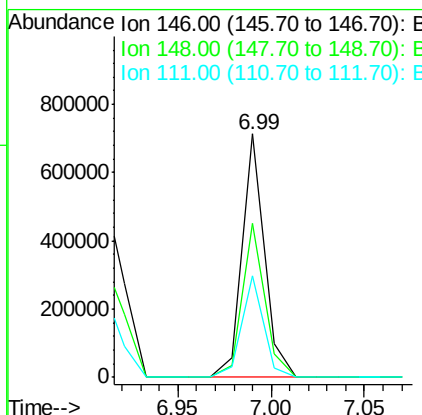
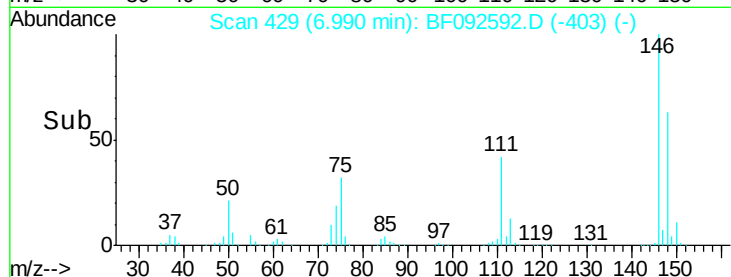
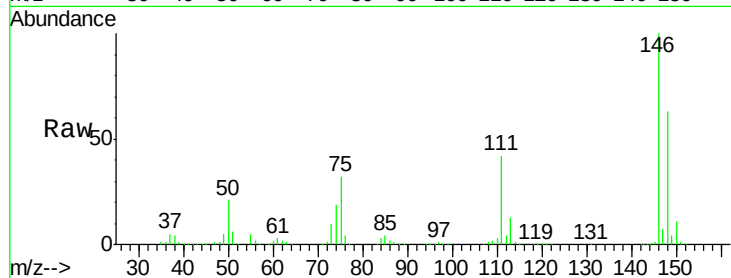




#13
 1,4-Dichlorobenzene
 Concen: 40.32 ng
 RT: 6.99 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

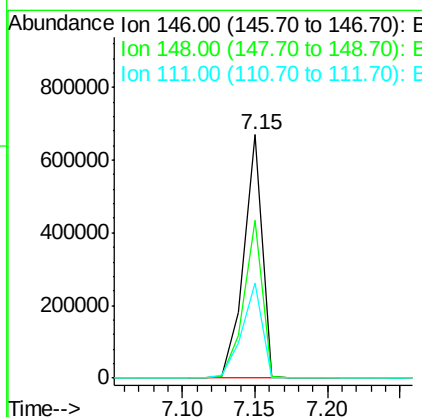
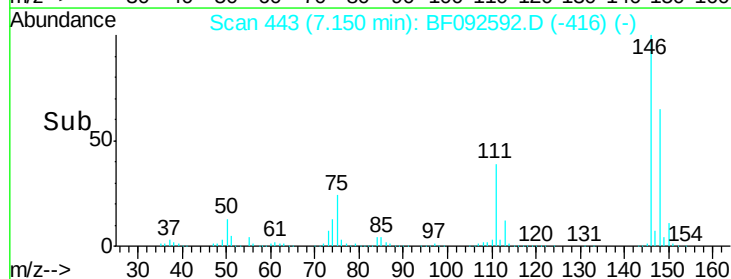
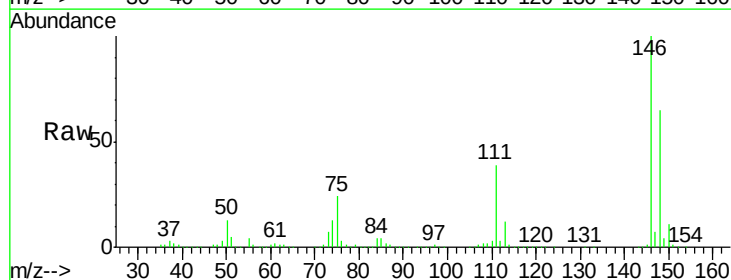
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

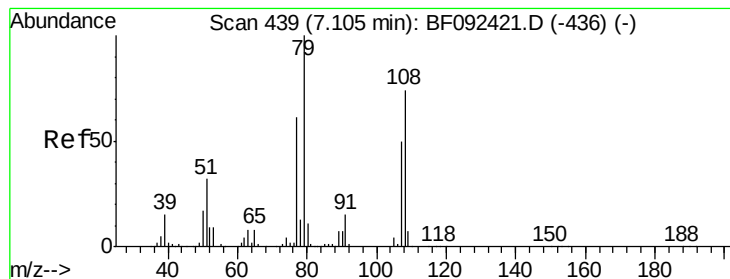
Tgt Ion:146 Resp: 599087
 Ion Ratio Lower Upper
 146 100
 148 63.3 50.6 76.0
 111 41.6 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 41.93 ng
 RT: 7.15 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:146 Resp: 591048
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.2 78.2
 111 39.0 36.2 54.2





#15

Benzyl Alcohol

Concen: 44.53 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

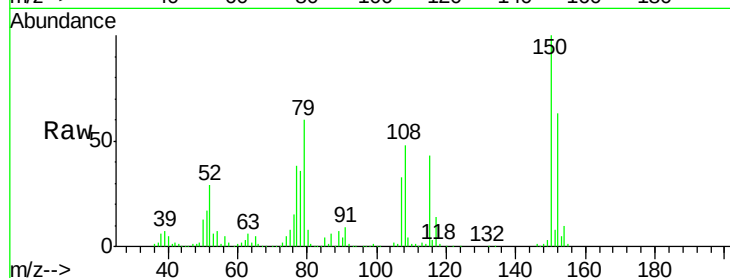
Tgt Ion: 79 Resp: 508001

Ion Ratio Lower Upper

79 100

108 79.0 61.4 92.0

77 62.3 50.9 76.3

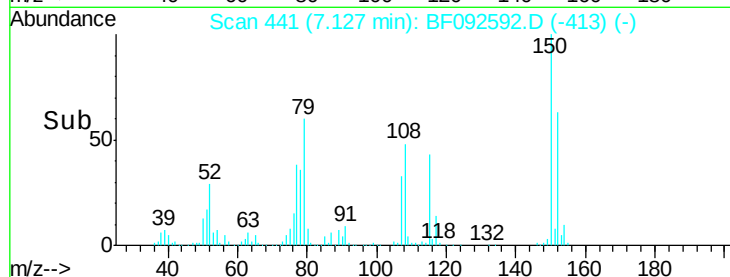


Abundance Ion 79.00 (78.70 to 79.70): BF0

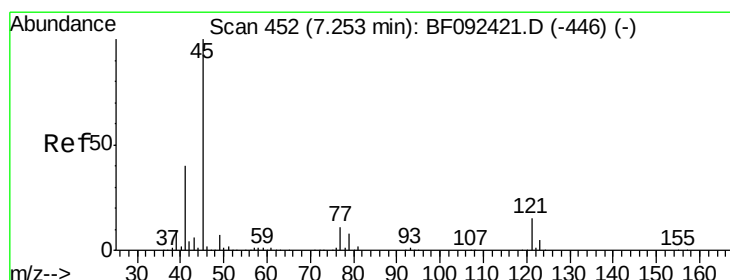
Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Time-->



Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.91 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

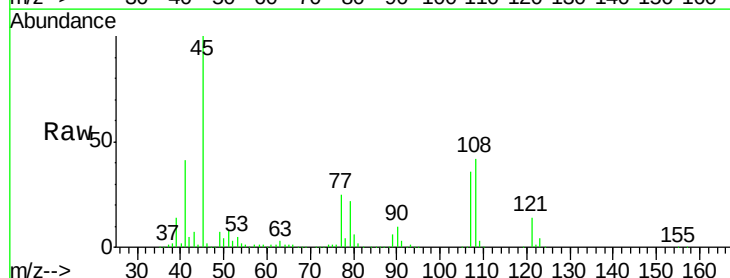
Tgt Ion: 45 Resp: 944208

Ion Ratio Lower Upper

45 100

77 24.6 0.0 34.6

79 22.5 0.0 31.2

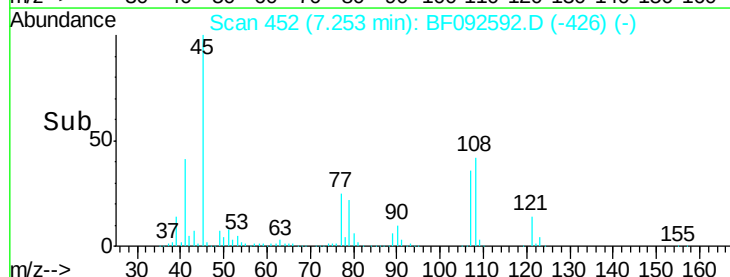


Abundance Ion 45.00 (44.70 to 45.70): BF0

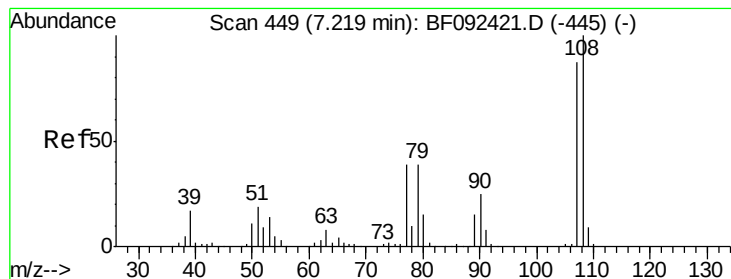
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->



Time-->



#17

2-Methylphenol

Concen: 44.55 ng

RT: 7.24 min Scan# 451

Delta R.T. 0.02 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

Tgt Ion:107 Resp: 475261

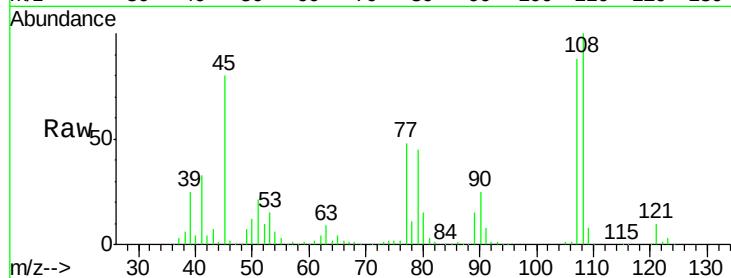
Ion Ratio Lower Upper

107 100

108 113.9 93.0 139.6

77 55.1 39.8 59.8

79 51.8 38.0 57.0

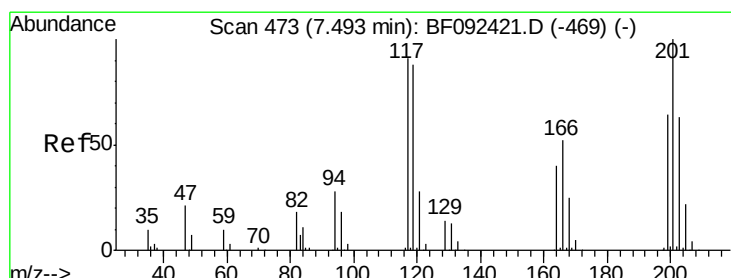
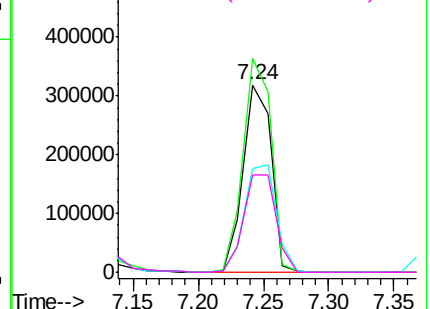
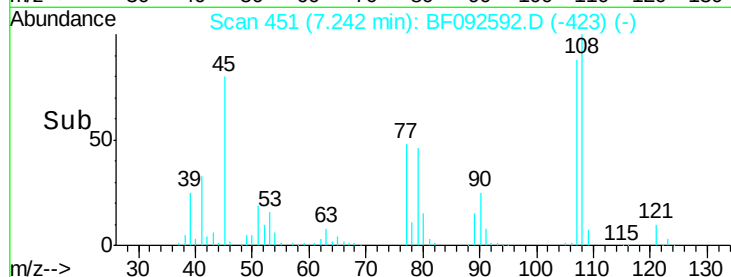


Abundance Ion 107.00 (106.70 to 107.70): E

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: 42.26 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

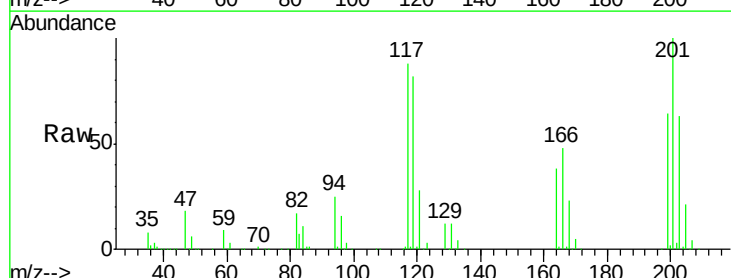
Tgt Ion:117 Resp: 216304

Ion Ratio Lower Upper

117 100

119 94.2 78.1 117.1

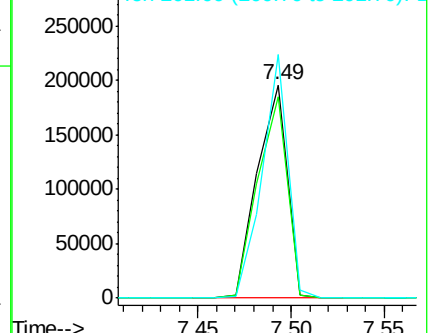
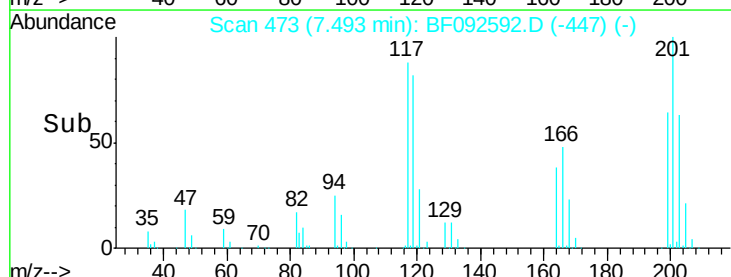
201 114.2 78.6 117.8

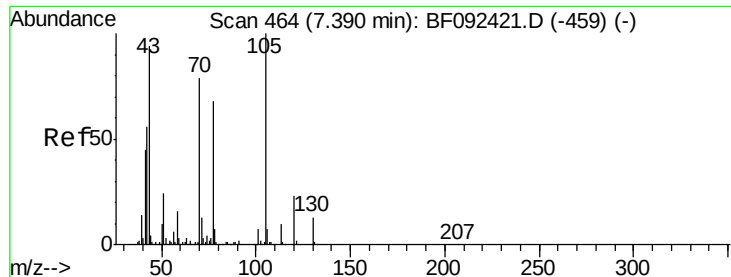


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

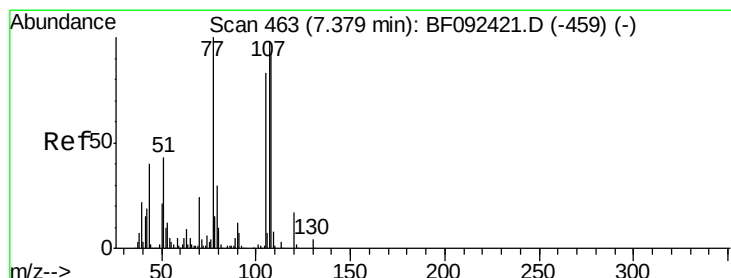
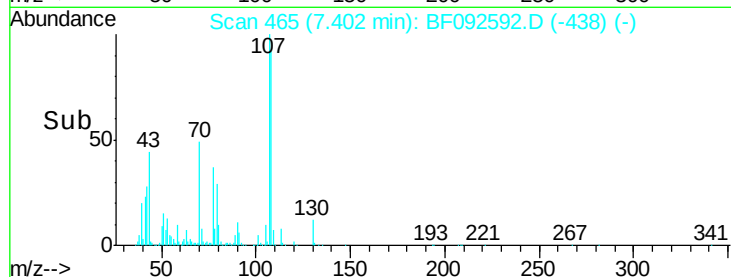
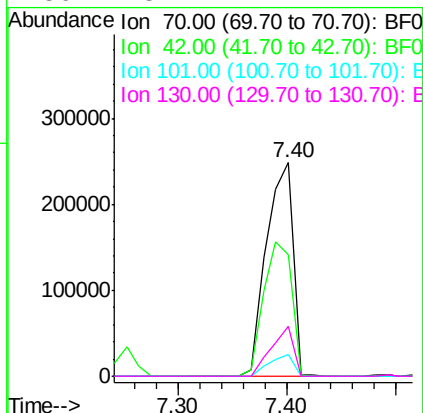
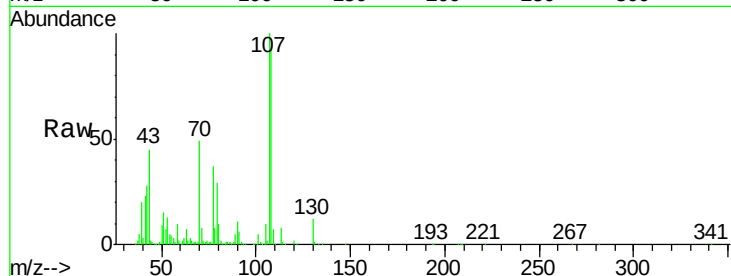




#19
n-Nitroso-di-n-propylamine
Concen: 40.86 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

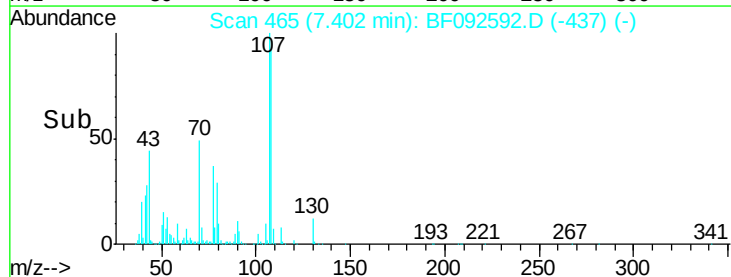
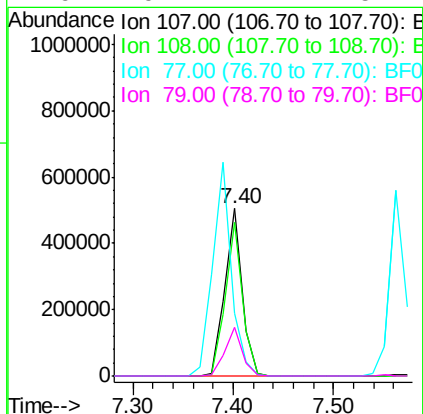
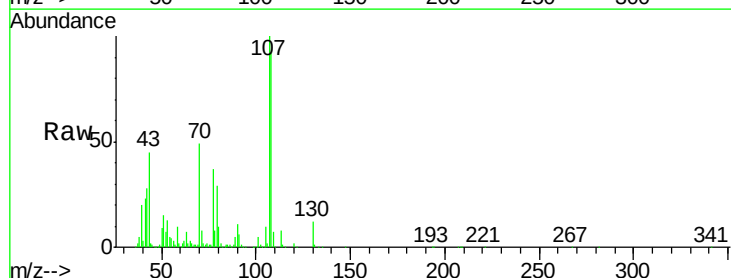
Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

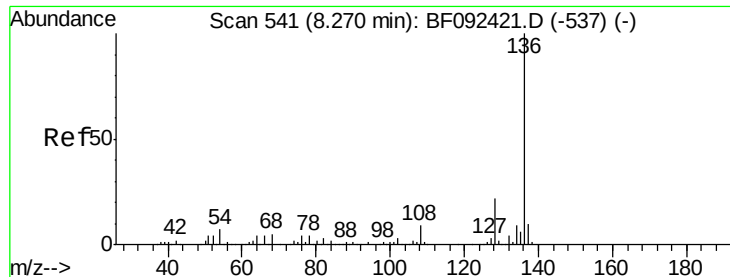
Tgt Ion: 70 Resp: 421232
Ion Ratio Lower Upper
70 100
42 56.9 49.4 74.0
101 10.5 7.4 11.2
130 23.7 14.2 21.4#



#20
3+4-Methylphenols
Concen: 46.68 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.02 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion: 107 Resp: 604107
Ion Ratio Lower Upper
107 100
108 91.8 73.0 113.0
77 37.4 71.3 111.3#
79 29.1 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

Tgt Ion:136 Resp: 764227

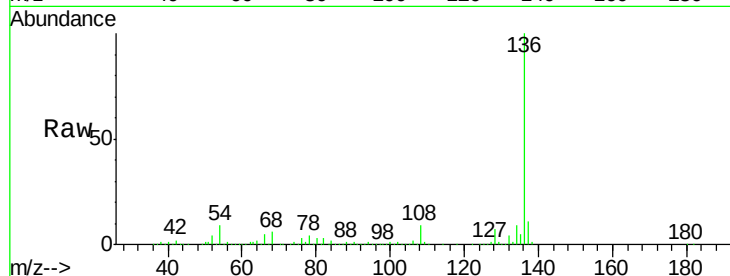
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.9 4.5 6.7#

68 6.0 3.6 5.4#

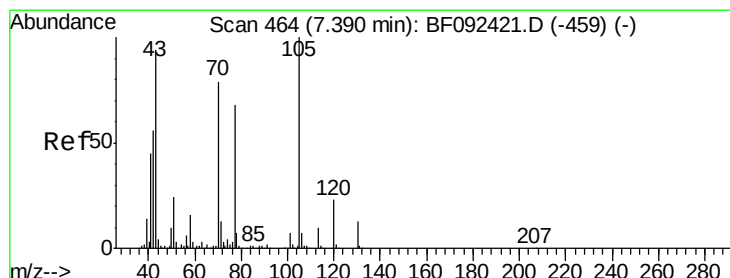
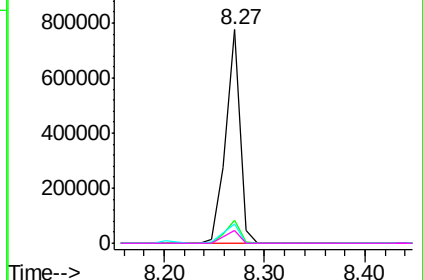
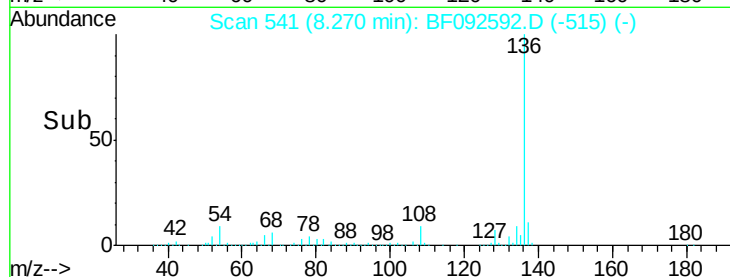


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.38 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Tgt Ion:105 Resp: 826014

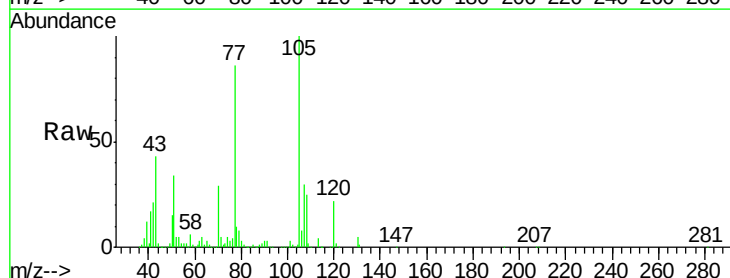
Ion Ratio Lower Upper

105 100

71 4.8 3.2 4.8#

51 33.8 26.2 39.4

120 21.6 16.6 24.8

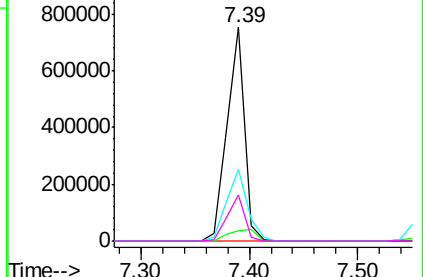
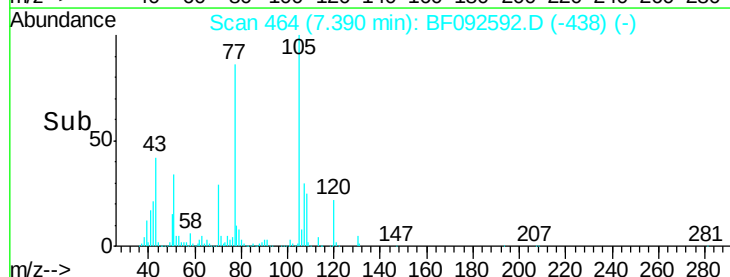


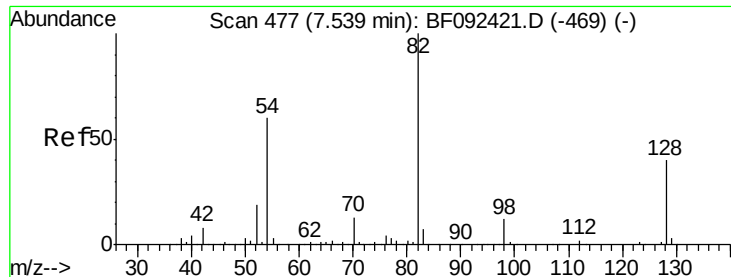
Abundance Ion 105.00 (104.70 to 105.70): E

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

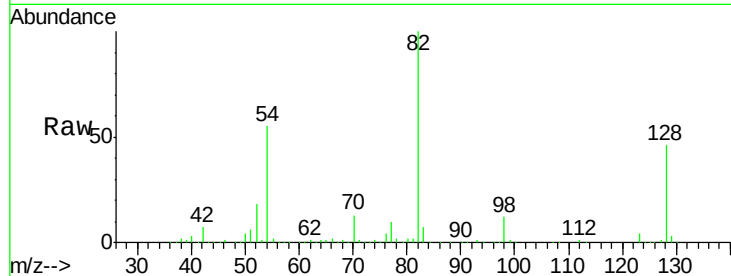




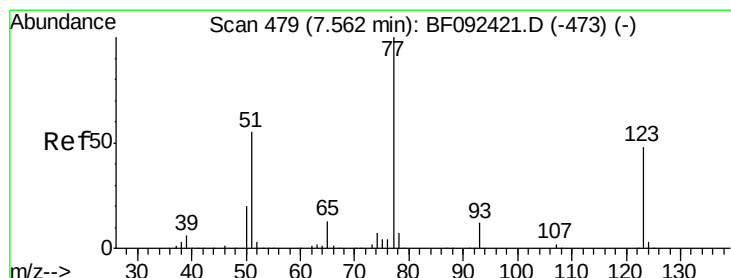
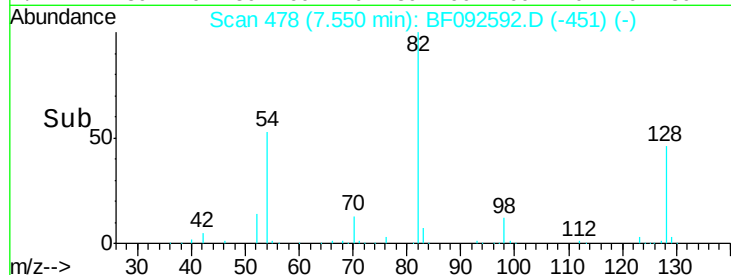
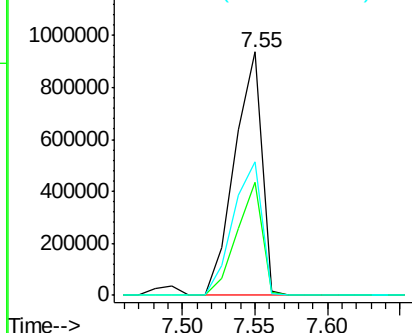
#23
Nitrobenzene-d5
Concen: 87.22 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

Tgt Ion: 82 Resp: 1220225
Ion Ratio Lower Upper
82 100
128 46.2 34.6 52.0
54 54.9 39.5 59.3

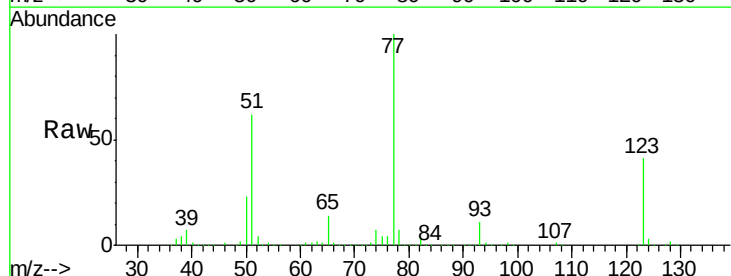


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

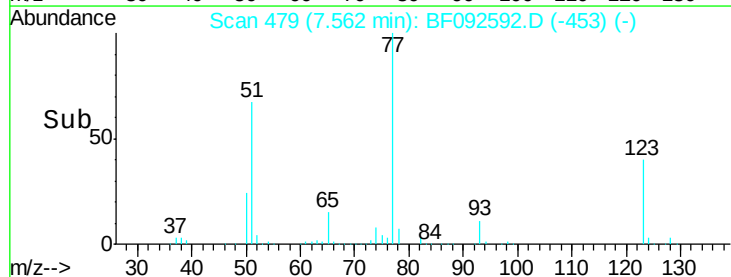
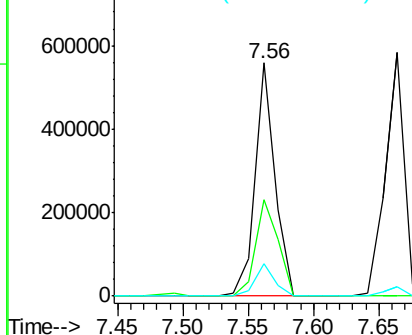


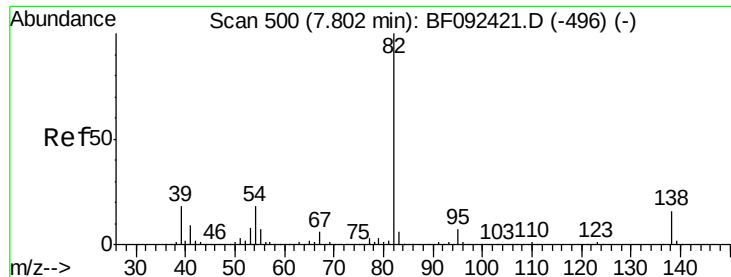
#24
Nitrobenzene
Concen: 40.31 ng
RT: 7.56 min Scan# 479
Delta R.T. -0.00 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion: 77 Resp: 590764
Ion Ratio Lower Upper
77 100
123 41.4 33.0 49.4
65 13.9 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.91 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

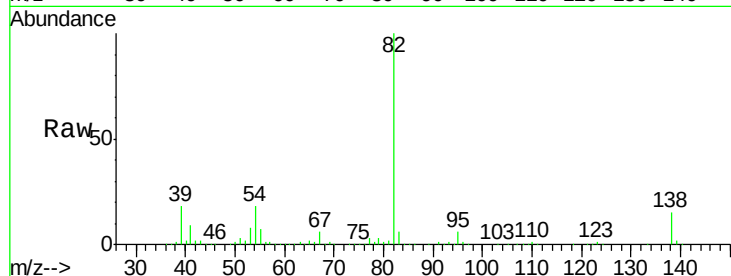
Tgt Ion: 82 Resp: 1127788

Ion Ratio Lower Upper

82 100

95 6.4 5.6 8.4

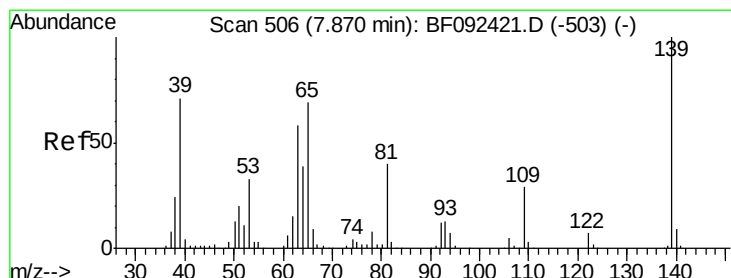
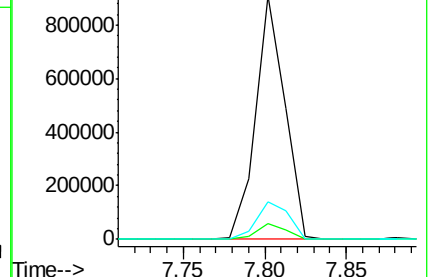
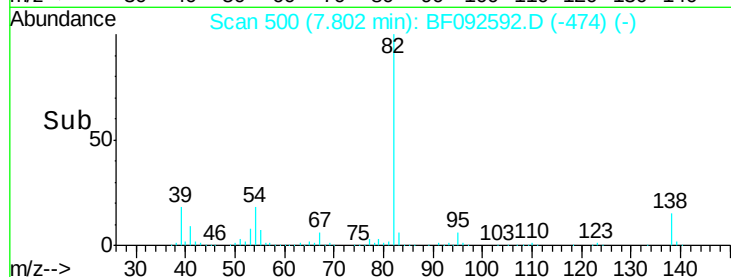
138 15.4 14.6 22.0



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: 50.85 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

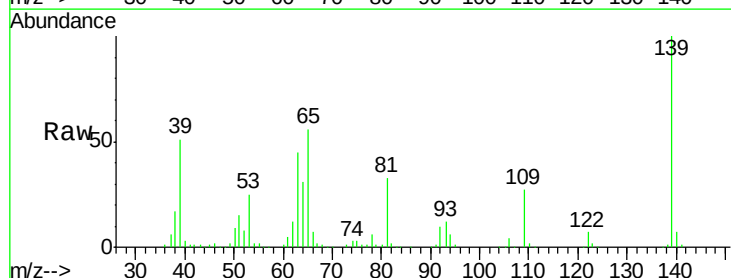
Tgt Ion: 139 Resp: 312294

Ion Ratio Lower Upper

139 100

109 26.9 23.3 34.9

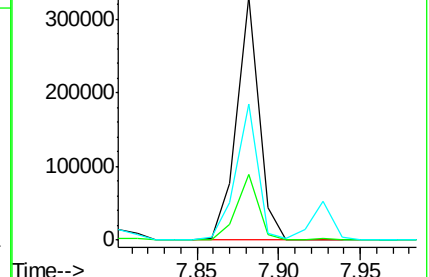
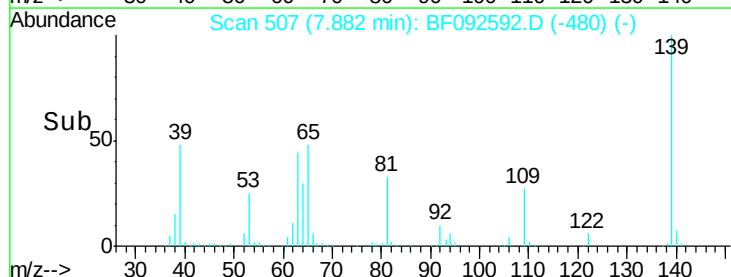
65 55.7 42.7 64.1

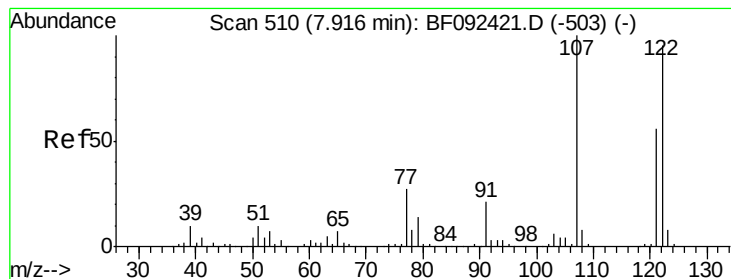


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

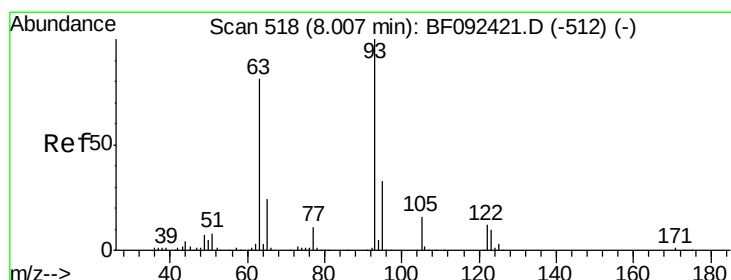
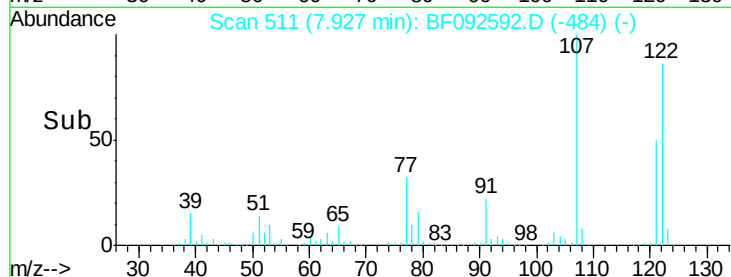
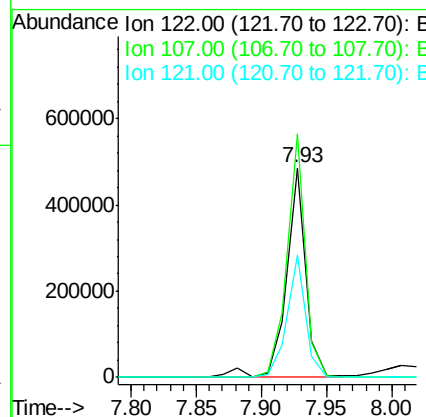
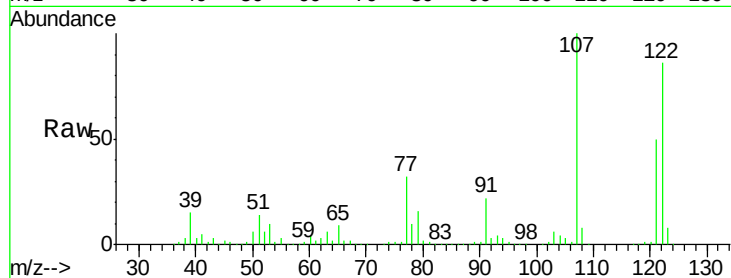




#27
 2,4-Dimethylphenol
 Concen: 40.02 ng
 RT: 7.93 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

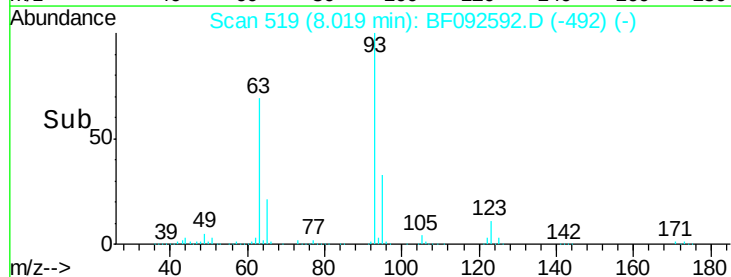
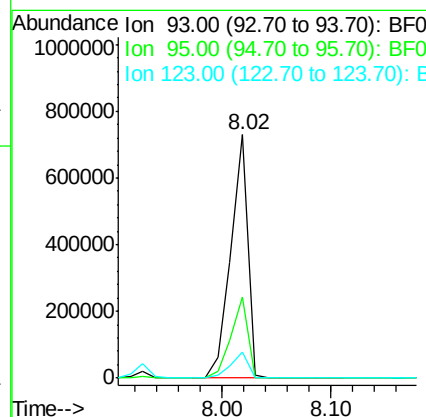
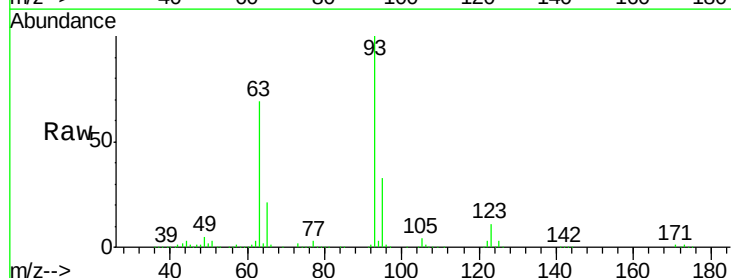
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

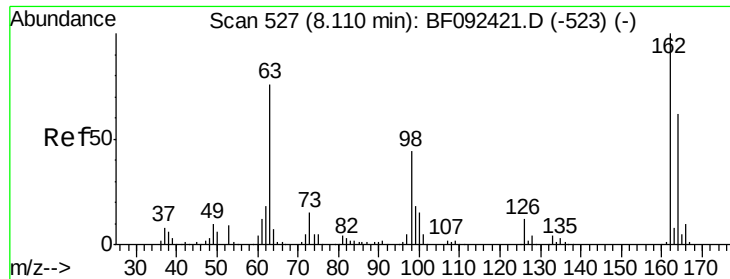
Tgt Ion: 122 Resp: 511125
 Ion Ratio Lower Upper
 122 100
 107 116.2 94.1 141.1
 121 58.5 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.53 ng
 RT: 8.02 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion: 93 Resp: 787793
 Ion Ratio Lower Upper
 93 100
 95 33.1 26.5 39.7
 123 10.8 8.6 13.0

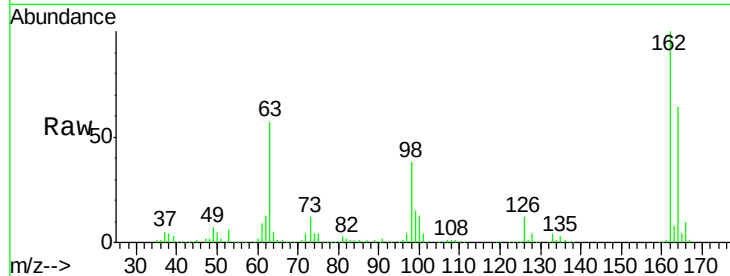




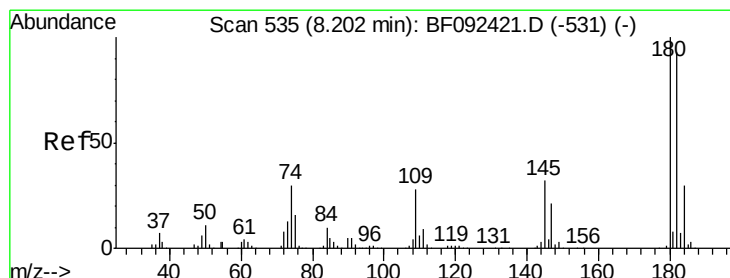
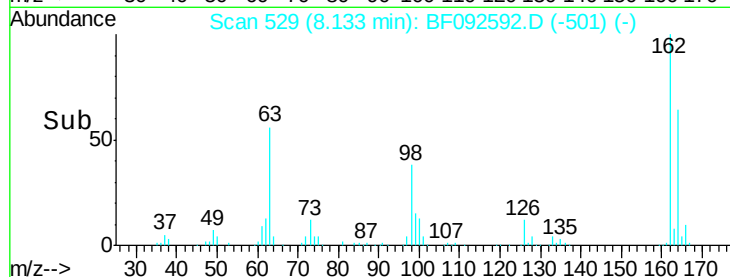
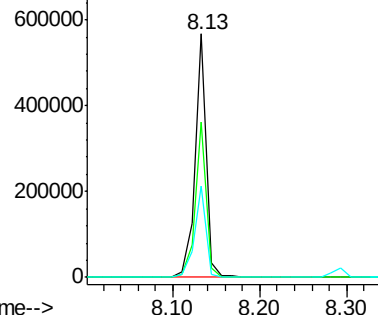
#29
2,4-Dichlorophenol
Concen: 46.35 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.02 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

Tgt Ion:162 Resp: 513342
Ion Ratio Lower Upper
162 100
164 63.9 46.8 86.8
98 37.7 9.1 49.1

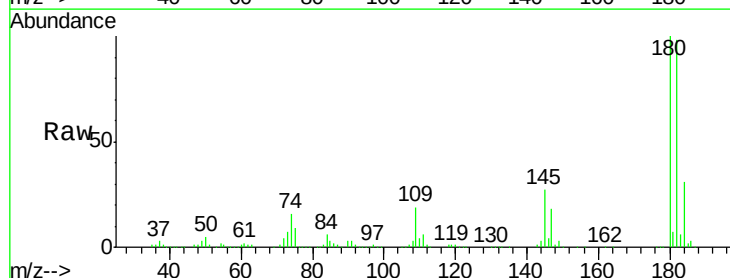


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

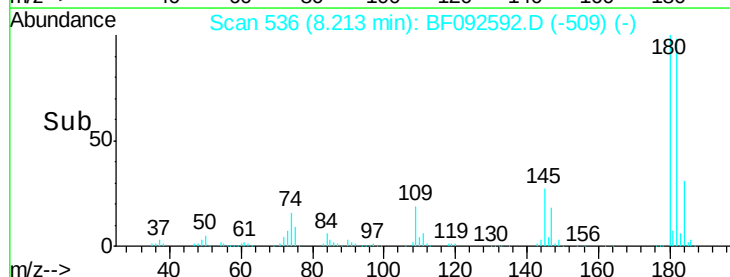
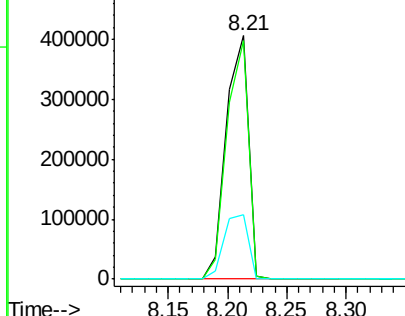


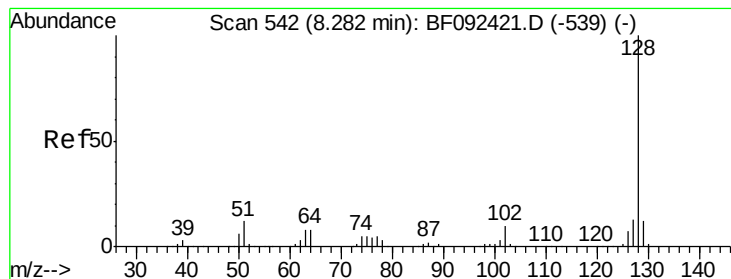
#30
1,2,4-Trichlorobenzene
Concen: 43.86 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion:180 Resp: 524939
Ion Ratio Lower Upper
180 100
182 98.0 78.2 117.4
145 26.7 21.6 32.4



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: 42.12 ng

RT: 8.29 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

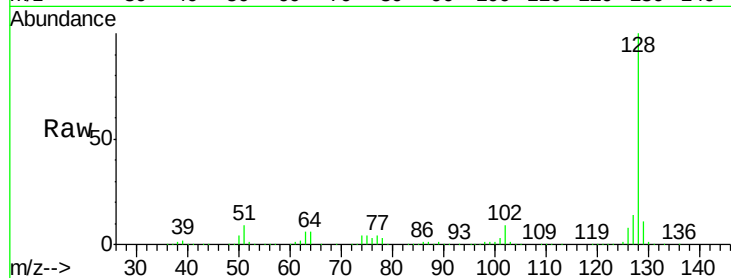
Tgt Ion:128 Resp: 1647621

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

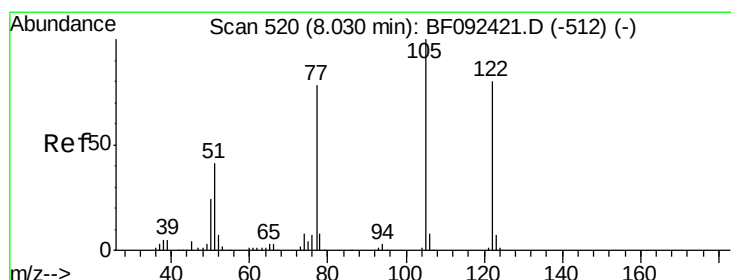
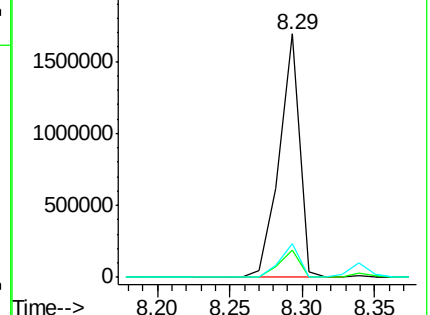
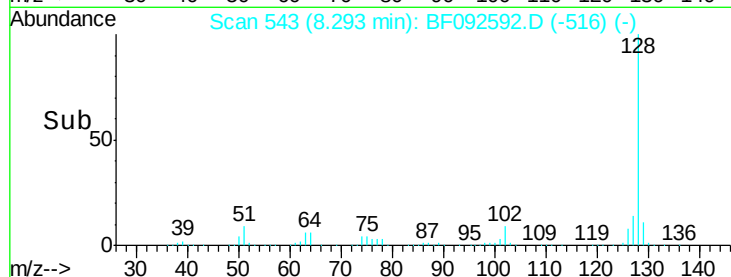
127 13.8 10.8 16.2



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: 9.73 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

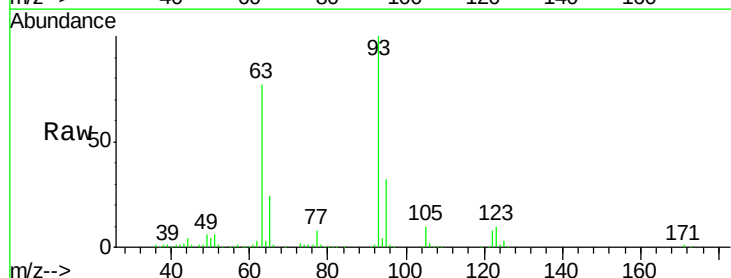
Tgt Ion:122 Resp: 53317

Ion Ratio Lower Upper

122 100

105 125.3 107.2 147.2

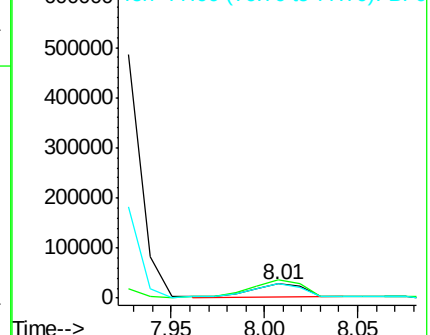
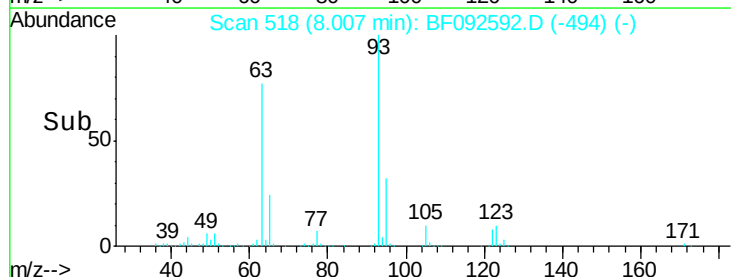
77 99.4 74.5 114.5

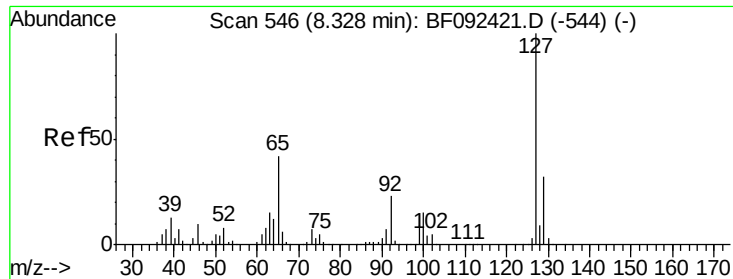


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

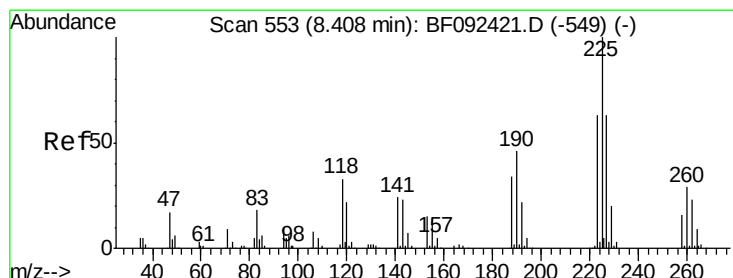
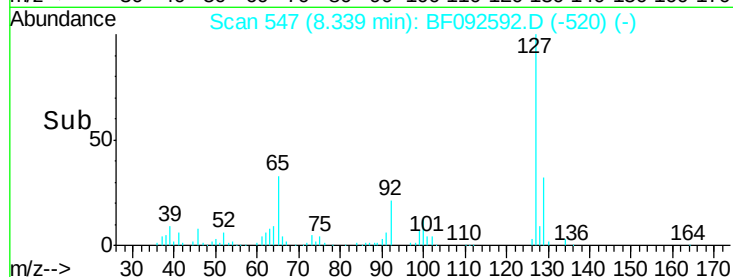
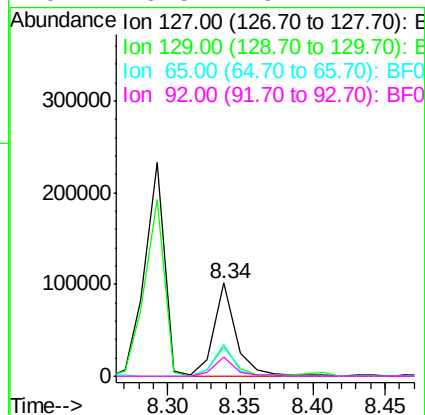
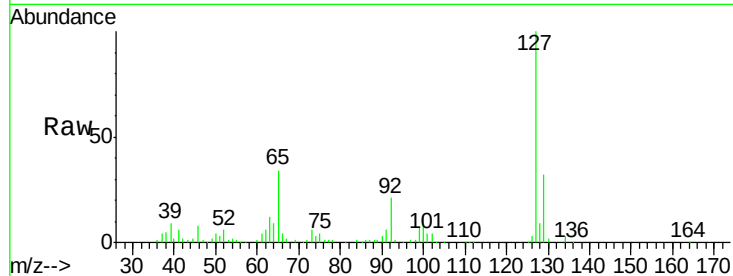




#33
 4-Chloroaniline
 Concen: 6.45 ng
 RT: 8.34 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

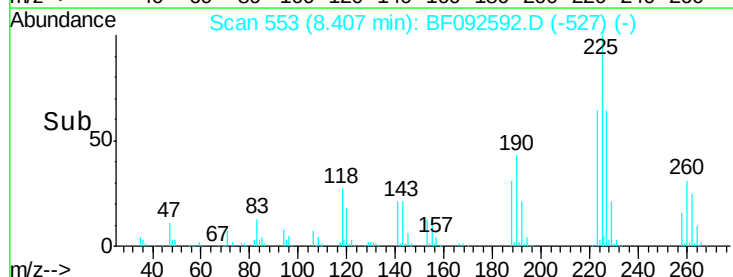
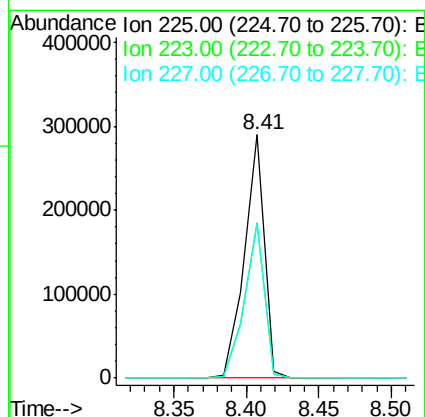
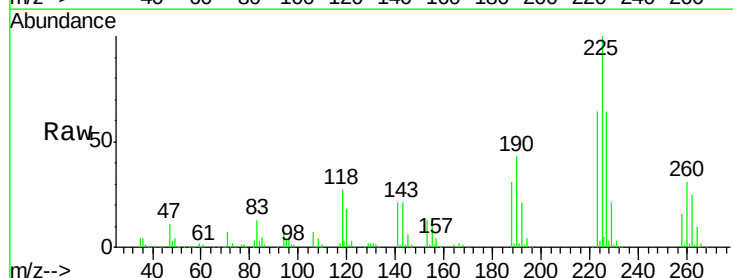
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

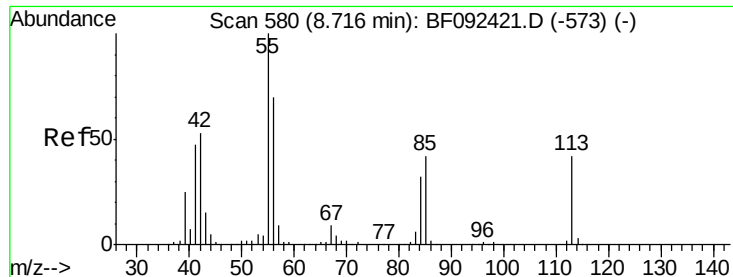
Tgt Ion:	127	Resp:	106675
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	34.1	25.8	38.8
92	20.5	16.1	24.1



#34
 Hexachlorobutadiene
 Concen: 42.33 ng
 RT: 8.41 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:	225	Resp:	277113
Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	63.5	50.6	76.0

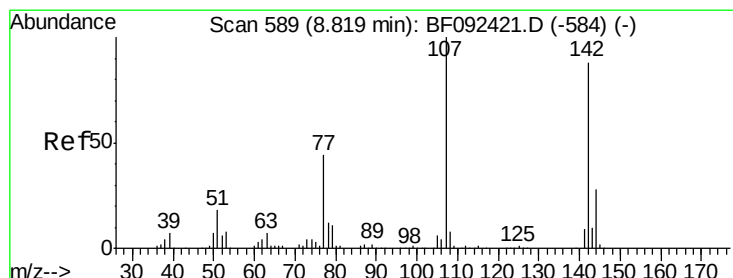
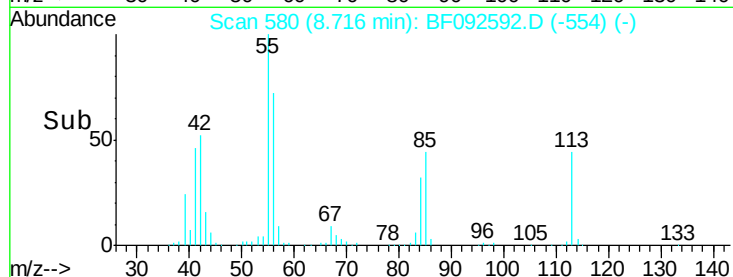
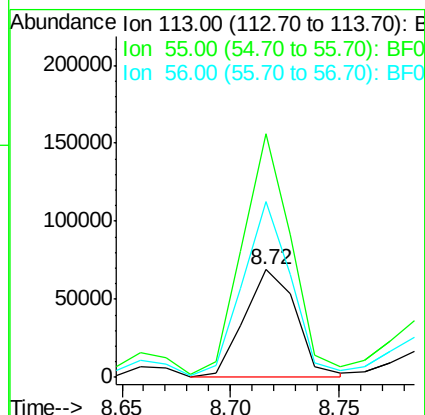
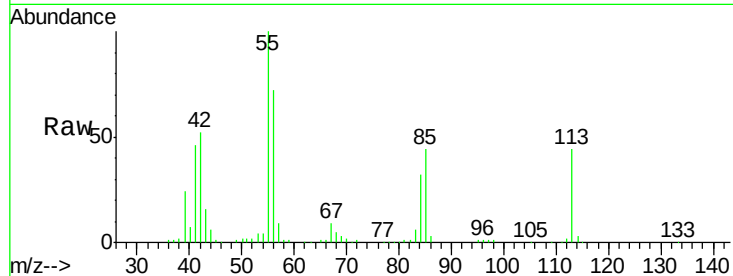




#35
 Caprolactam
 Concen: 30.67 ng
 RT: 8.72 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

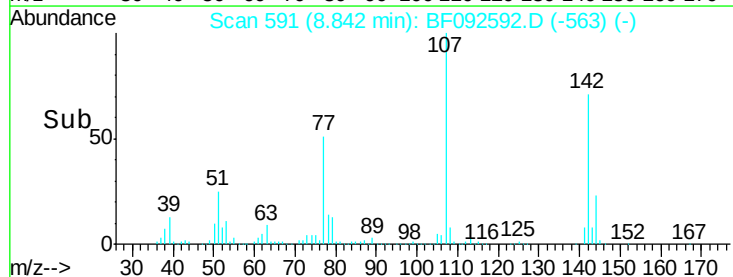
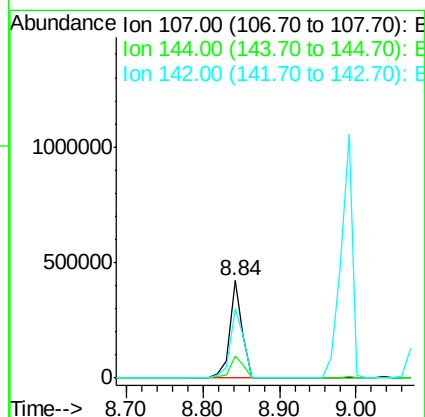
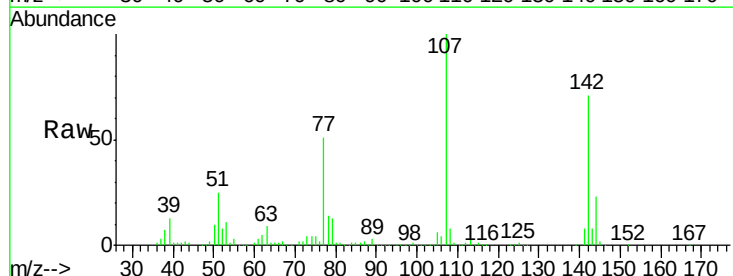
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

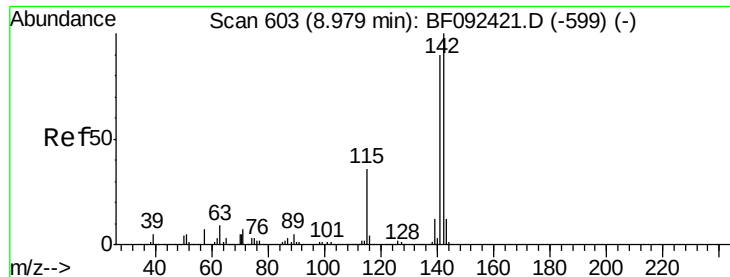
Tgt Ion:113 Resp: 113425
 Ion Ratio Lower Upper
 113 100
 55 226.7 119.2 159.2#
 56 163.1 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 40.88 ng
 RT: 8.84 min Scan# 591
 Delta R.T. 0.02 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:107 Resp: 488158
 Ion Ratio Lower Upper
 107 100
 144 23.2 19.3 28.9
 142 71.2 59.0 88.6





#37

2-Methylnaphthalene

Concen: 45.55 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

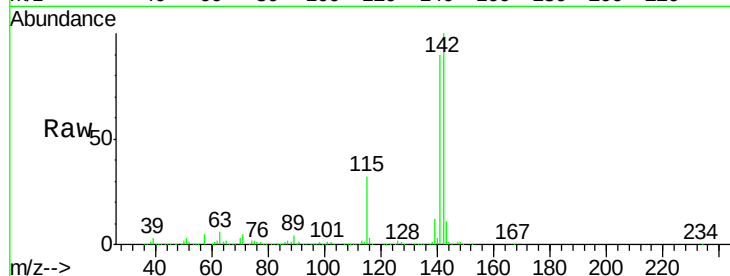
Tgt Ion:142 Resp: 1127992

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.6

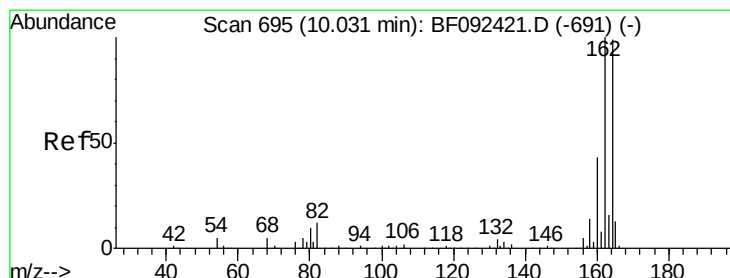
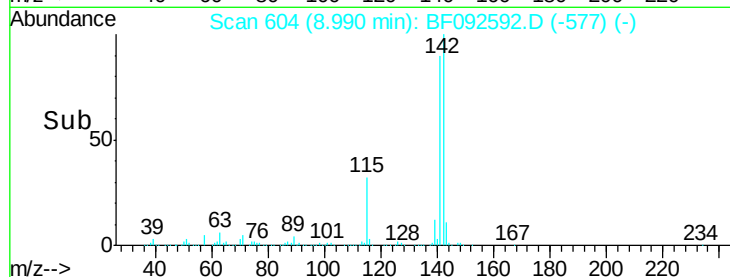
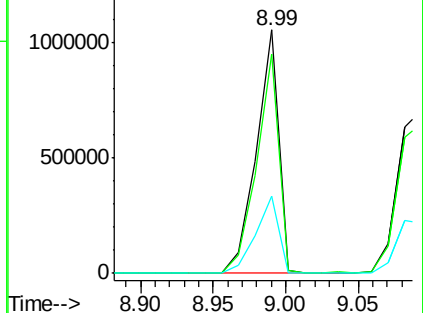
115 31.9 28.3 42.5



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: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

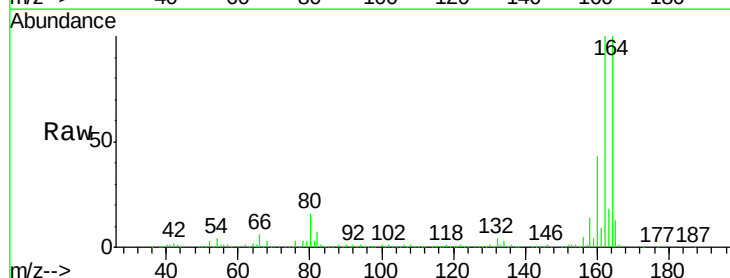
Tgt Ion:164 Resp: 396524

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

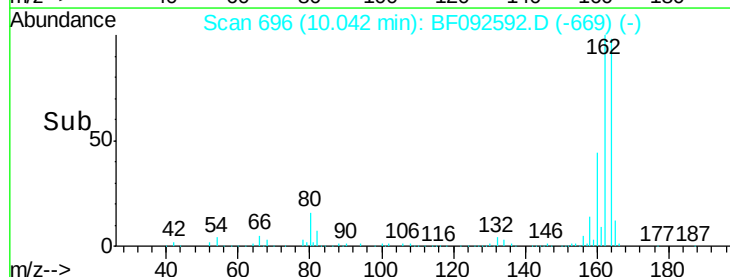
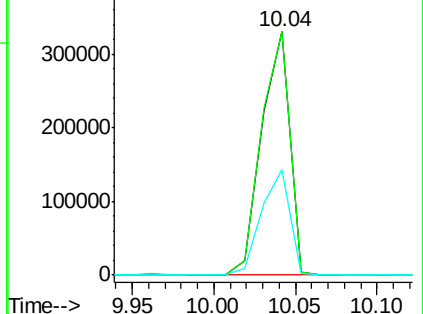
160 43.4 36.9 55.3

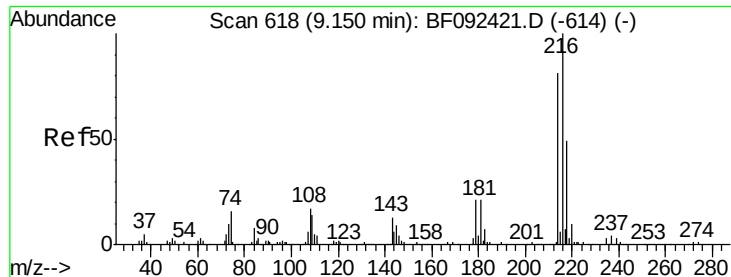


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.20 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

Tgt Ion:216 Resp: 482085

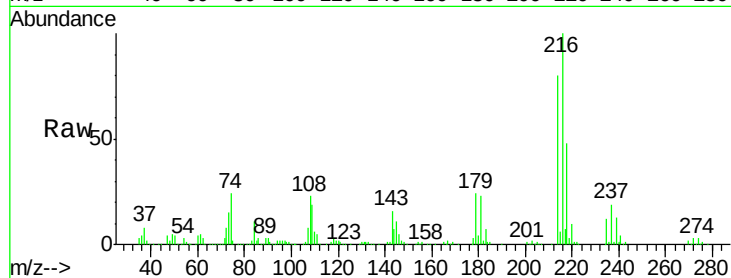
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.0

179 21.1 17.4 26.2

108 19.4 15.6 23.4

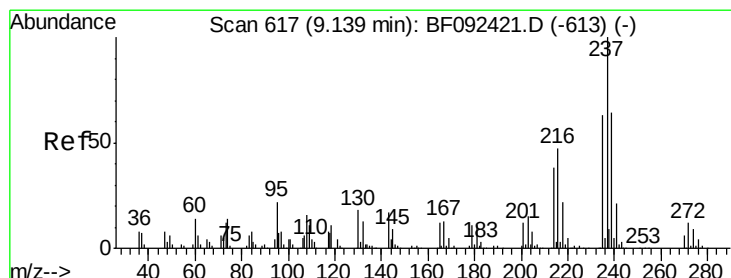
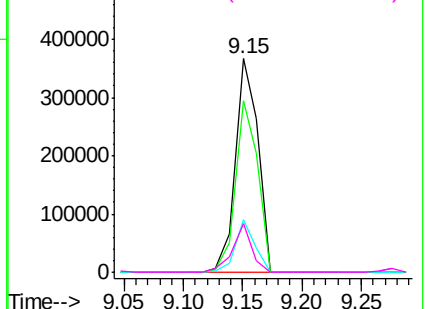
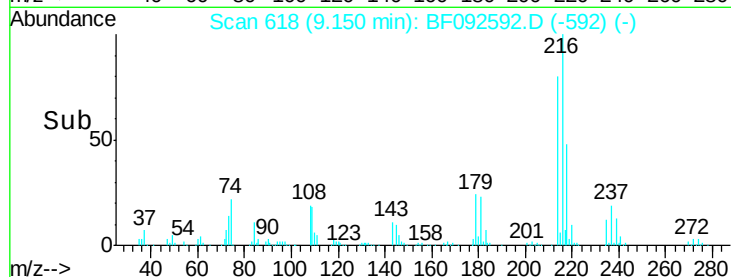


Abundance Ion 216.00 (215.70 to 216.70): E

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: 70.30 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

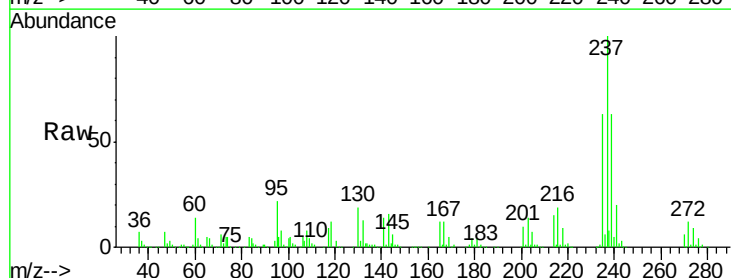
Tgt Ion:237 Resp: 352117

Ion Ratio Lower Upper

237 100

235 62.6 41.2 81.2

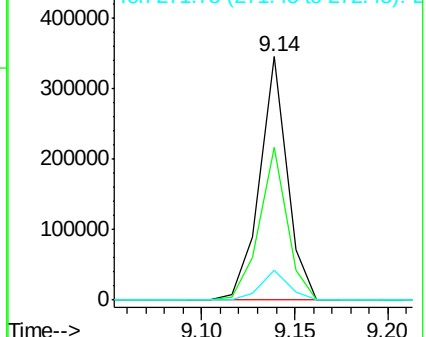
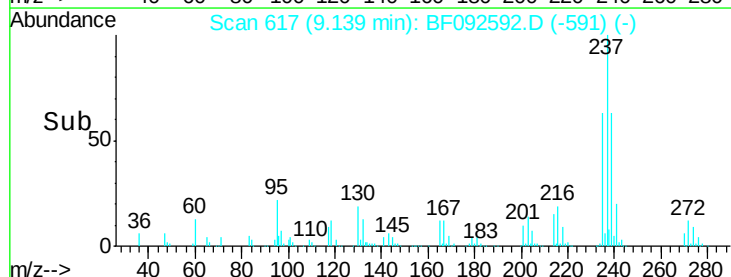
272 12.1 0.0 35.4

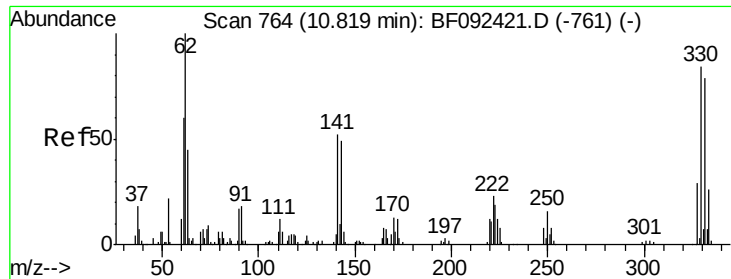


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

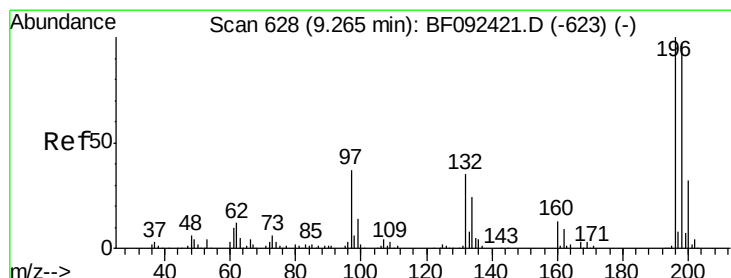
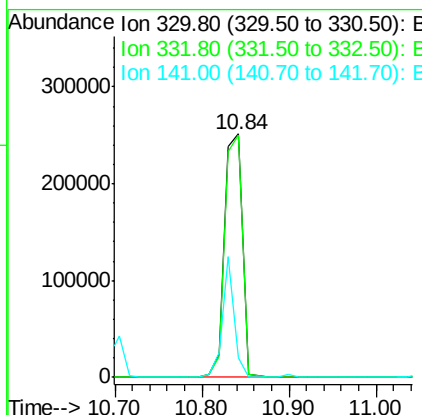
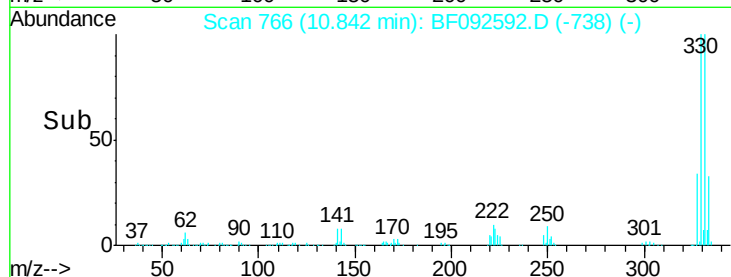
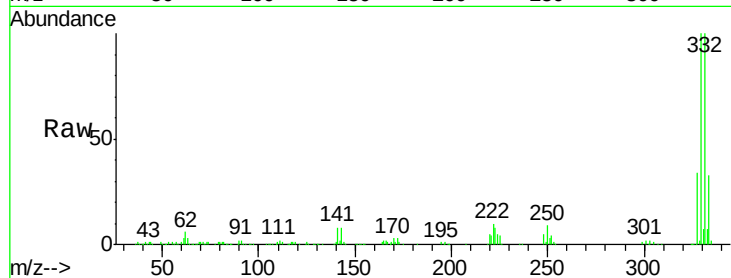




#41
 2,4,6-Tribromophenol
 Concen: 132.91 ng
 RT: 10.84 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

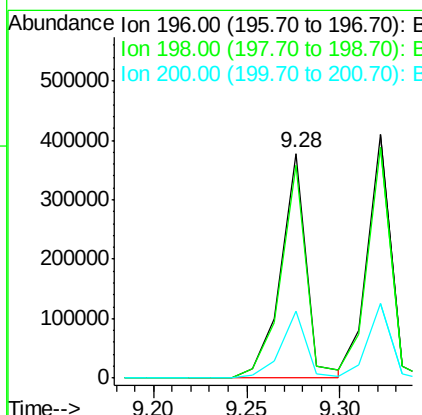
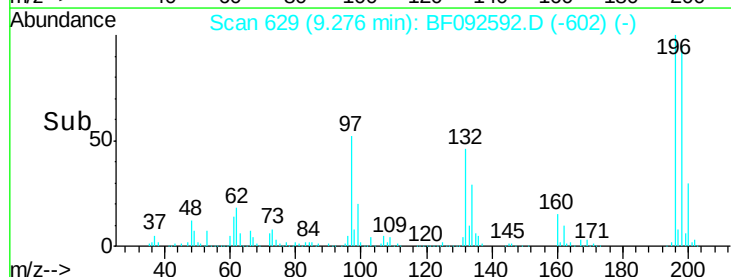
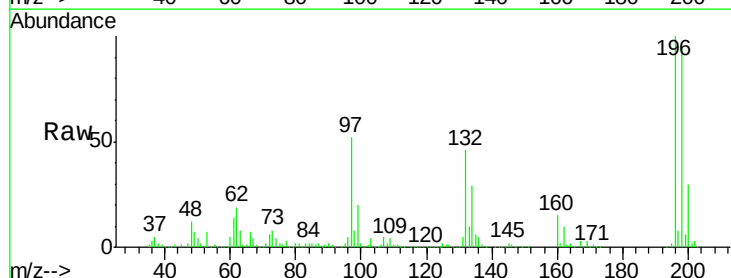
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

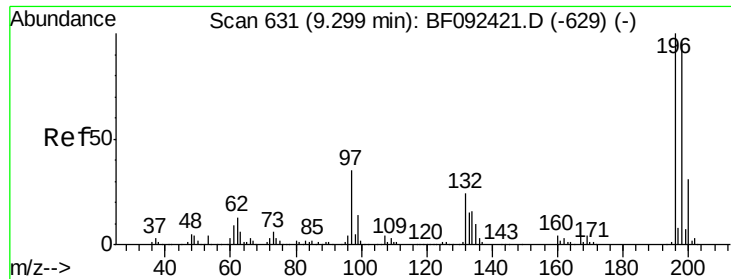
Tgt Ion:330 Resp: 359143
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 33.4 34.1 51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 47.40 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:196 Resp: 363250
 Ion Ratio Lower Upper
 196 100
 198 94.9 82.1 123.1
 200 29.8 27.0 40.4

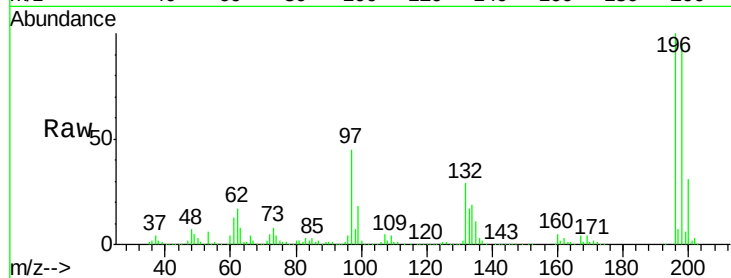




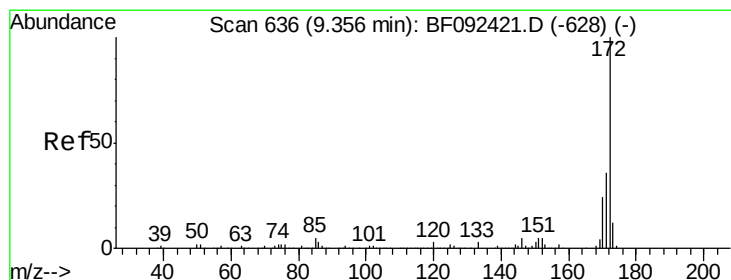
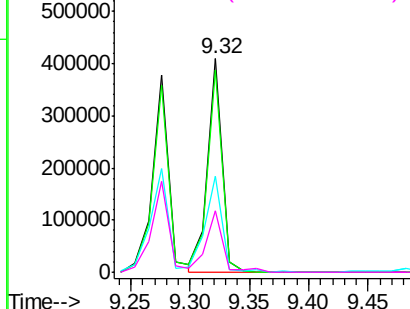
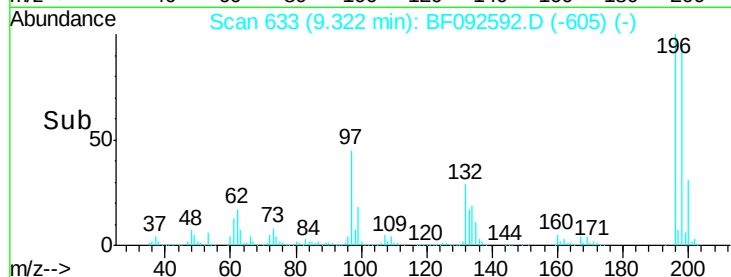
#43
 2,4,5-Trichlorophenol
 Concen: 50.45 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.02 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

Tgt Ion:196 Resp: 353790
 Ion Ratio Lower Upper
 196 100
 198 94.8 79.4 119.2
 97 44.9 51.5 77.3#
 132 28.6 27.4 41.2

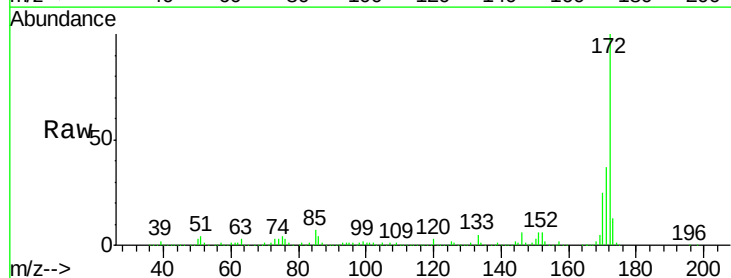


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

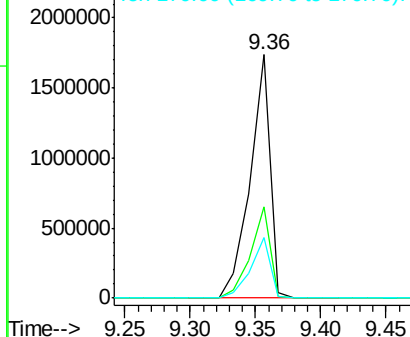
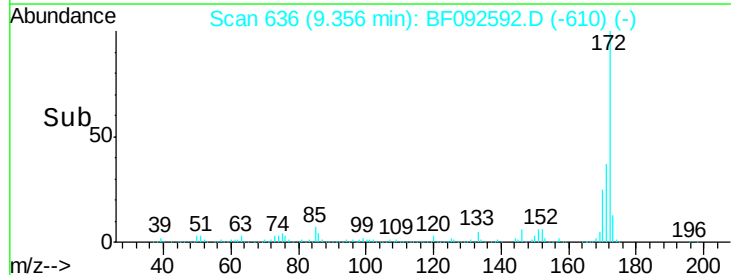


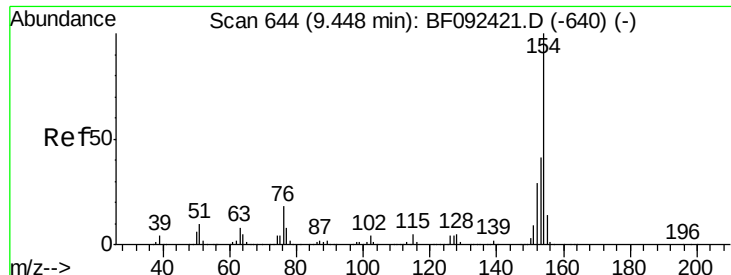
#44
 2-Fluorobiphenyl
 Concen: 86.70 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:172 Resp: 1859115
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.4 44.0
 170 24.8 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

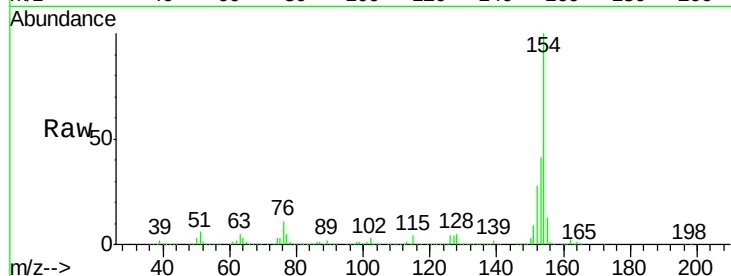




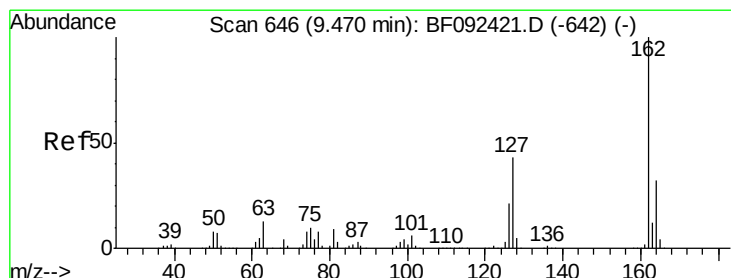
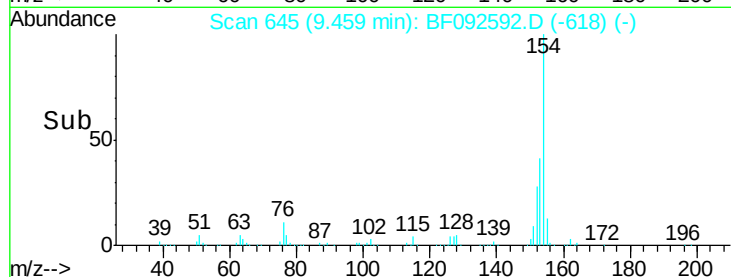
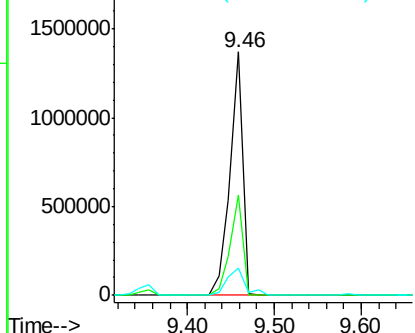
#45
 1,1'-Biphenyl
 Concen: 48.62 ng
 RT: 9.46 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

Tgt Ion:154 Resp: 1393632
 Ion Ratio Lower Upper
 154 100
 153 41.3 20.9 60.9
 76 11.2 0.0 30.5

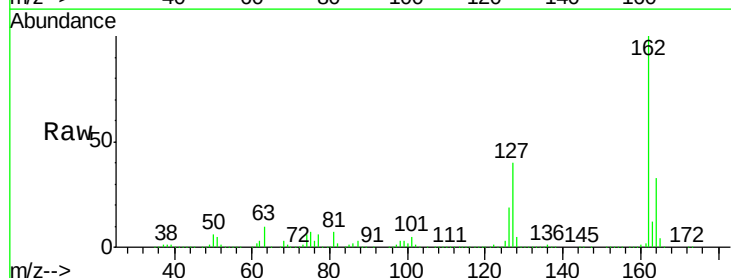


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

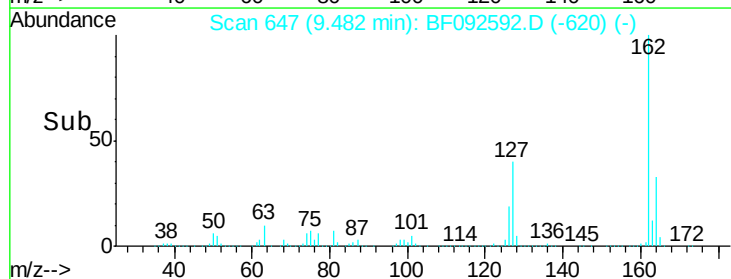
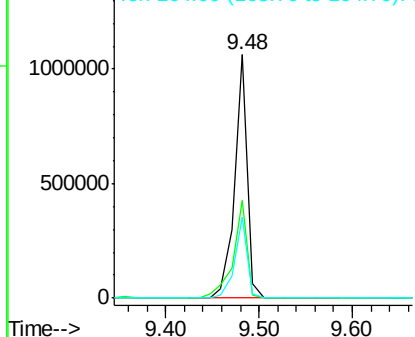


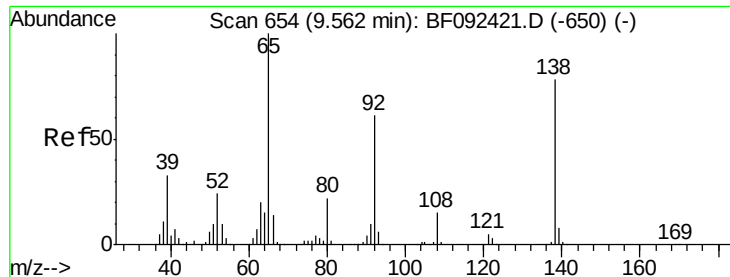
#46
 2-Chloronaphthalene
 Concen: 43.06 ng
 RT: 9.48 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:162 Resp: 1008052
 Ion Ratio Lower Upper
 162 100
 127 39.9 30.7 46.1
 164 33.3 27.6 41.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

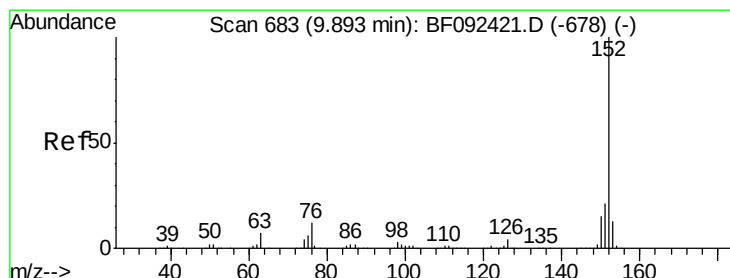
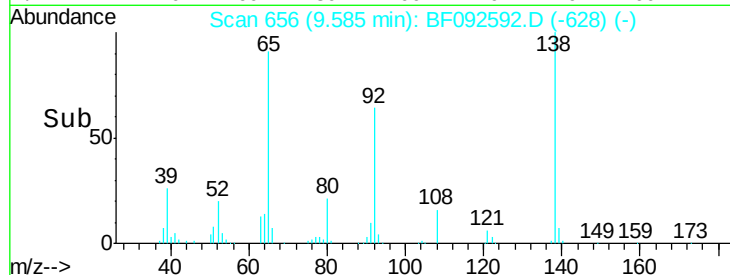
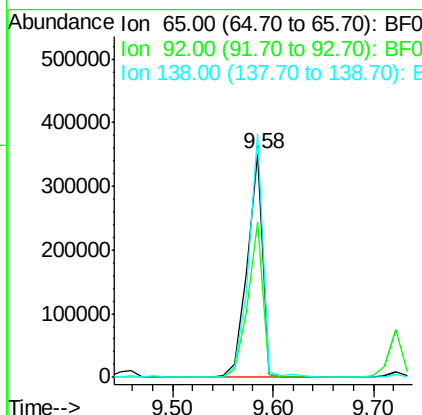
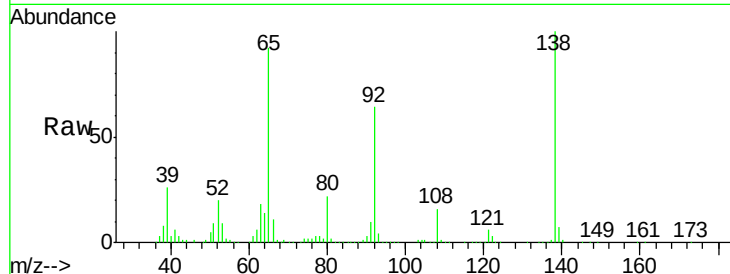




#47
 2-Nitroaniline
 Concen: 47.29 ng
 RT: 9.58 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

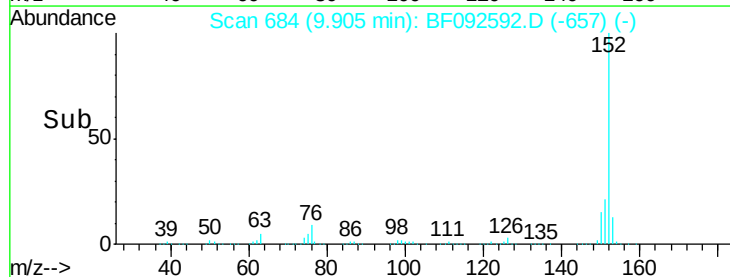
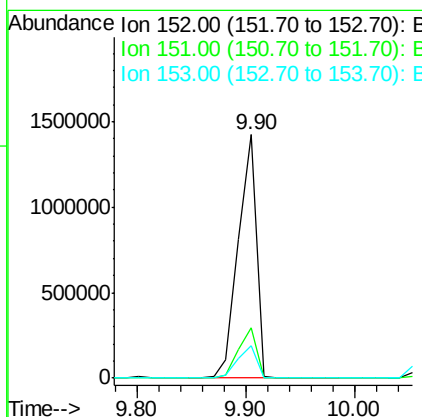
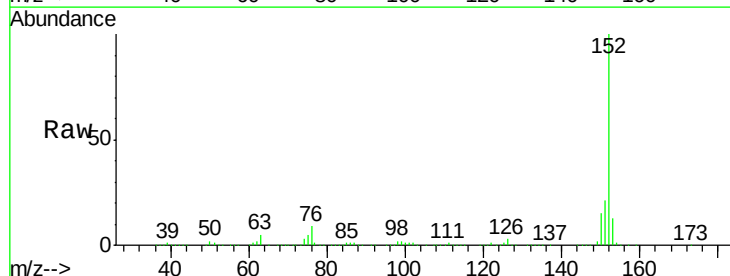
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

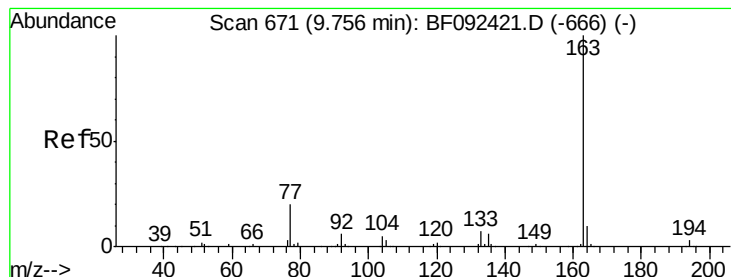
Tgt Ion: 65 Resp: 372854
 Ion Ratio Lower Upper
 65 100
 92 69.4 53.9 80.9
 138 108.9 76.8 115.2



#48
 Acenaphthylene
 Concen: 47.32 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion: 152 Resp: 1624788
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.9 25.3
 153 13.2 11.4 17.2





#49

Dimethylphthalate

Concen: 66.66 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

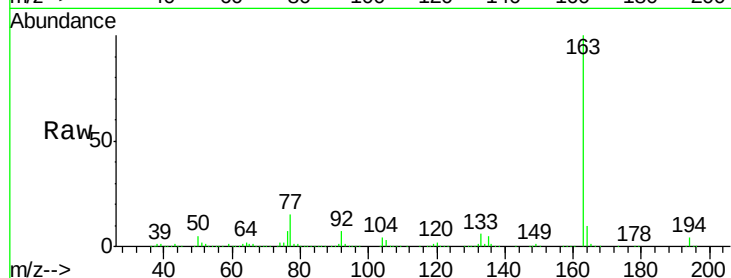
Tgt Ion:163 Resp: 1680962

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

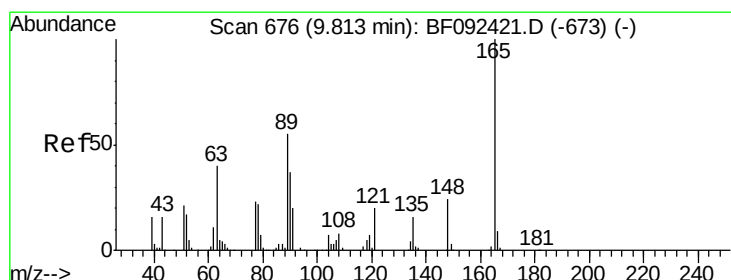
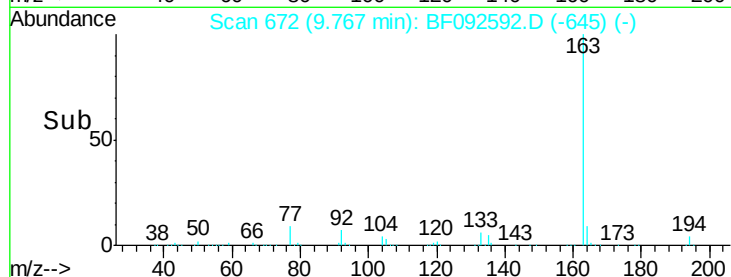
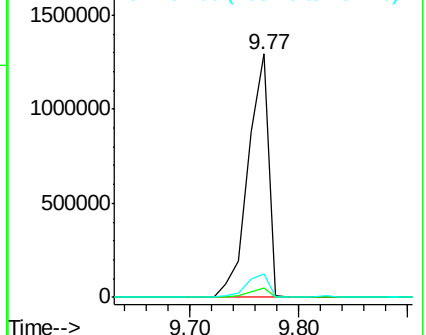
164 9.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.75 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

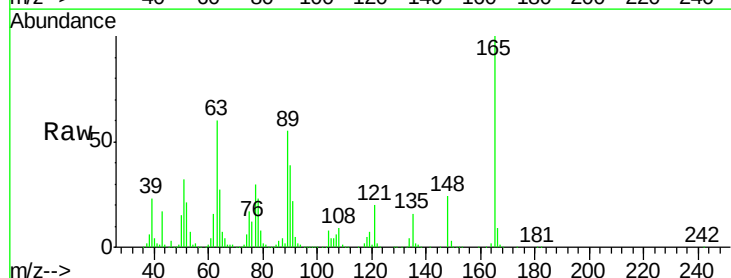
Tgt Ion:165 Resp: 261581

Ion Ratio Lower Upper

165 100

63 60.1 36.2 54.4#

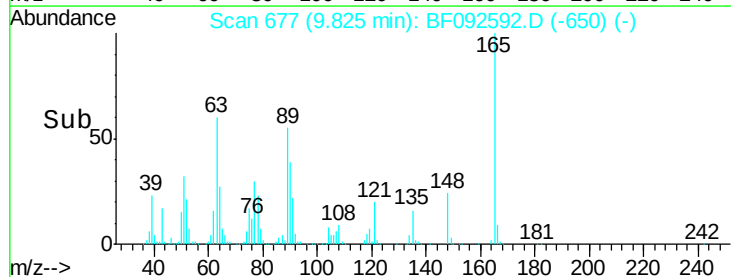
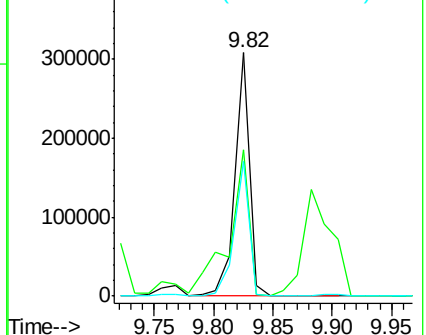
89 55.3 40.2 60.4

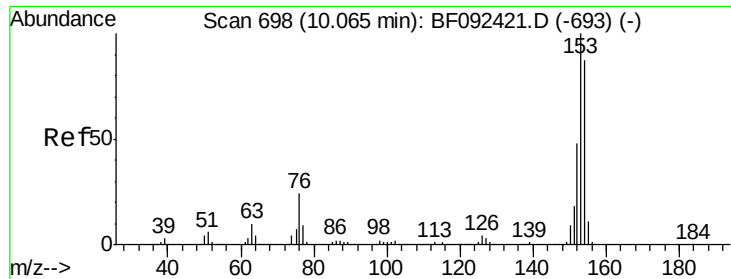


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 48.43 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

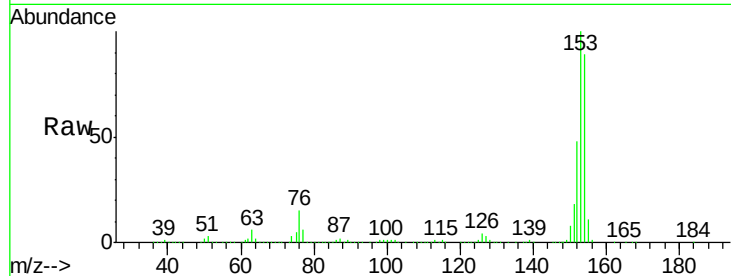
Tgt Ion:154 Resp: 1033275

Ion Ratio Lower Upper

154 100

153 112.5 88.6 133.0

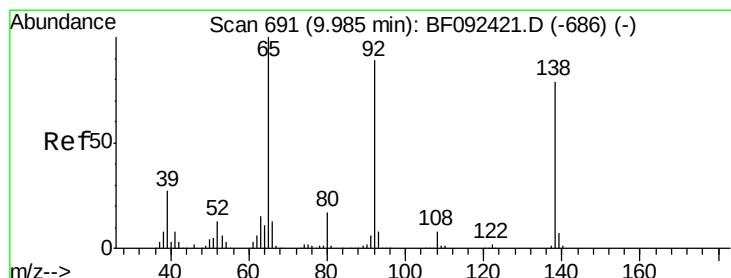
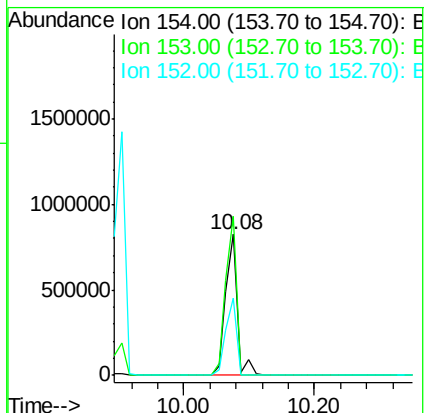
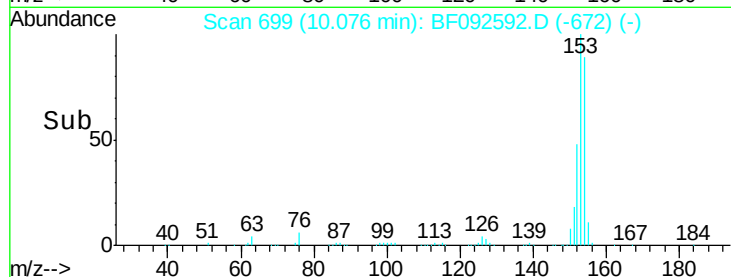
152 54.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 21.75 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

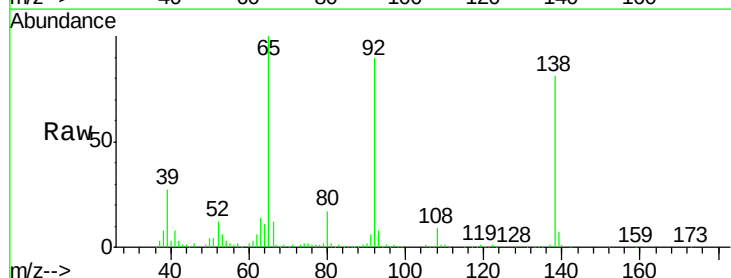
Tgt Ion:138 Resp: 140395

Ion Ratio Lower Upper

138 100

108 10.7 8.5 12.7

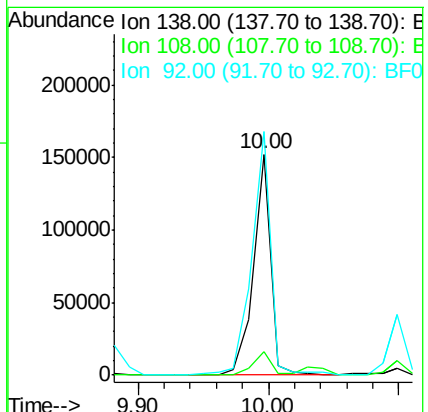
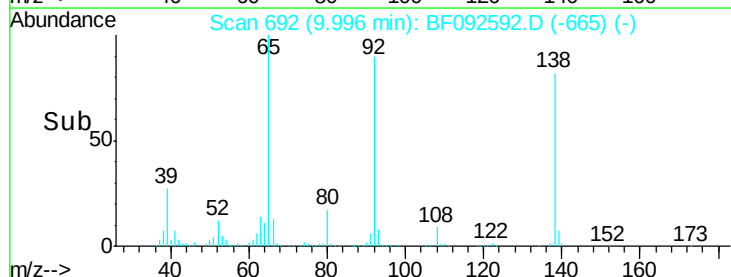
92 110.1 97.8 146.8

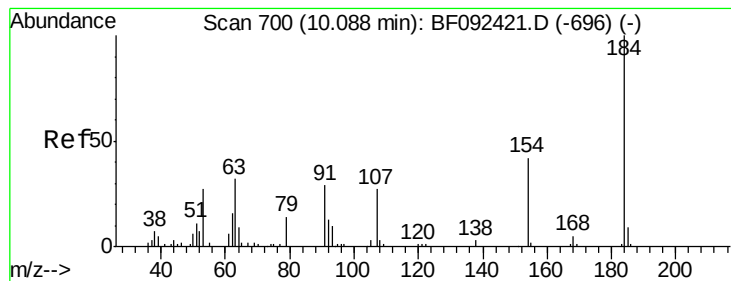


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 52.33 ng

RT: 10.10 min Scan# 701

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

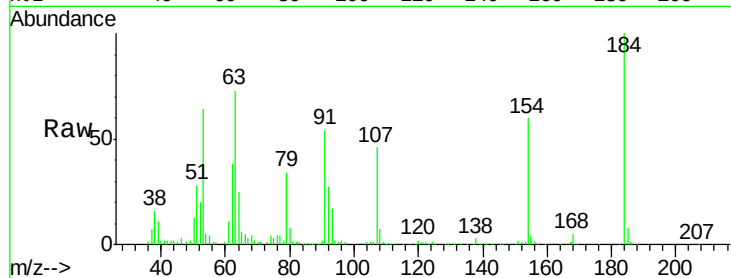
Tgt Ion:184 Resp: 139130

Ion Ratio Lower Upper

184 100

63 73.5 28.4 42.6#

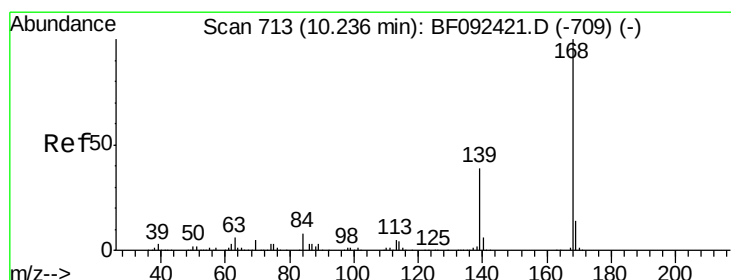
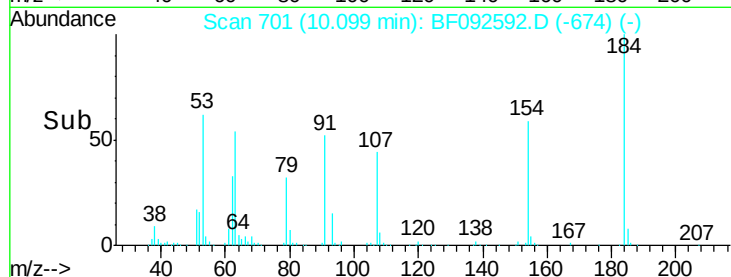
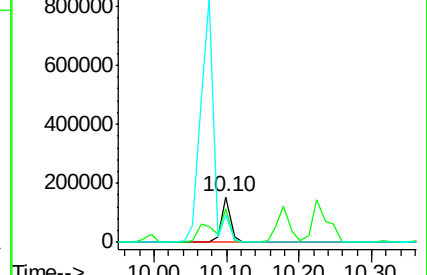
154 59.7 44.3 66.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 48.44 ng

RT: 10.25 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

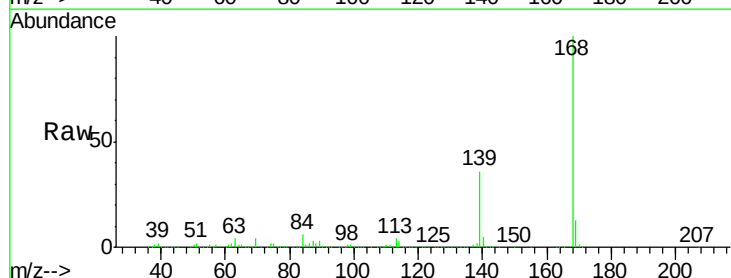
Tgt Ion:168 Resp: 1403540

Ion Ratio Lower Upper

168 100

139 35.9 32.6 49.0

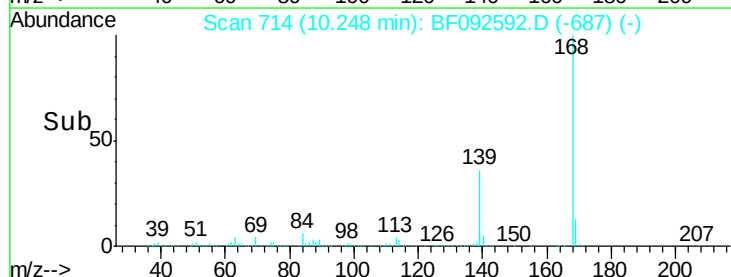
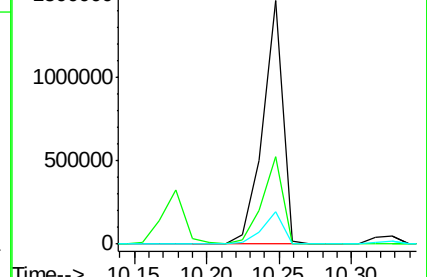
169 13.4 11.3 16.9

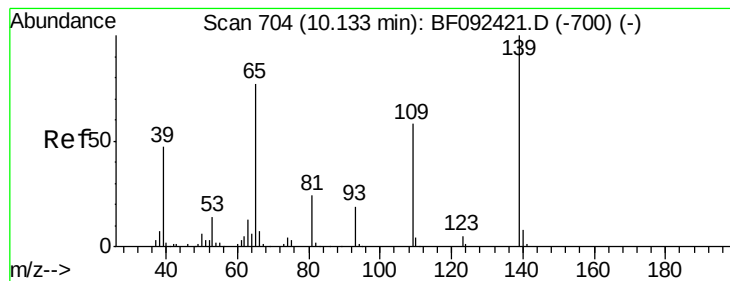


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 69.72 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.05 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

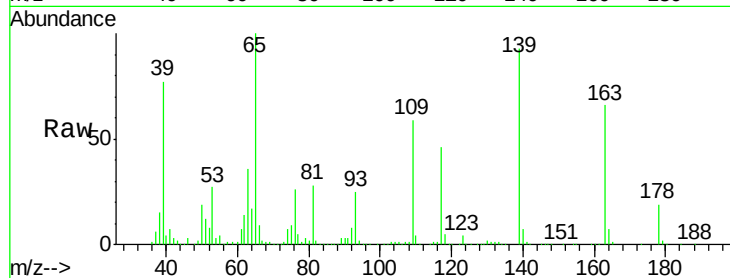
Tgt Ion:139 Resp: 357393

Ion Ratio Lower Upper

139 100

109 63.6 52.2 92.2

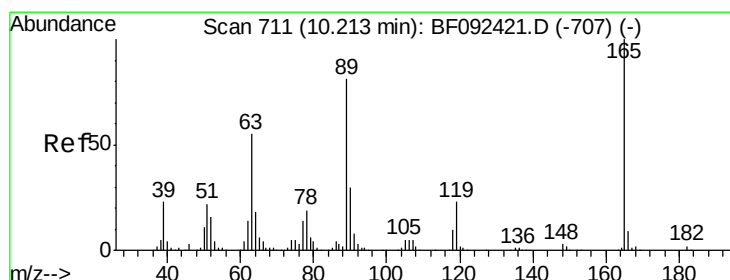
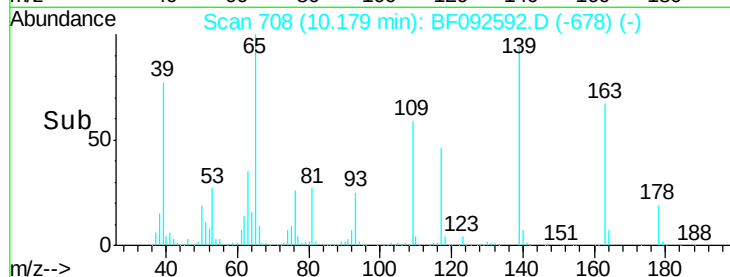
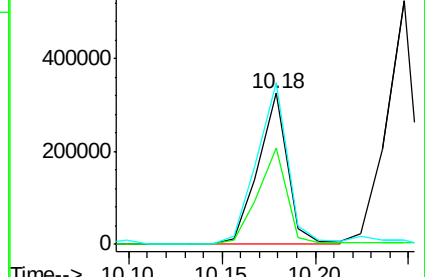
65 107.0 85.8 125.8



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



#56

2,4-Dinitrotoluene

Concen: 49.57 ng

RT: 10.22 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Tgt Ion:165 Resp: 339088

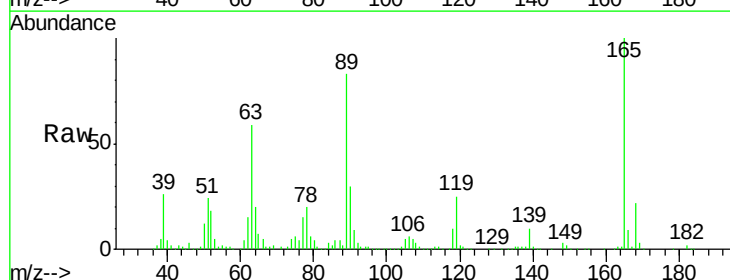
Ion Ratio Lower Upper

165 100

63 59.2 40.2 60.4

89 83.3 62.5 93.7

182 2.2 1.8 2.8

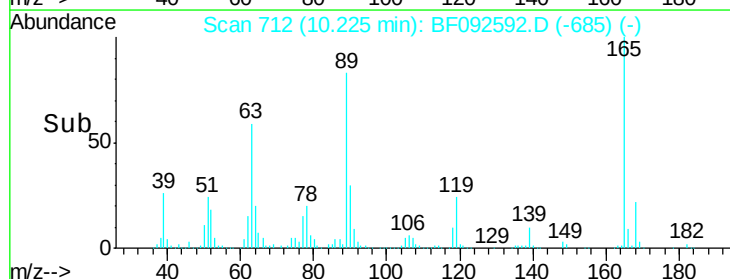
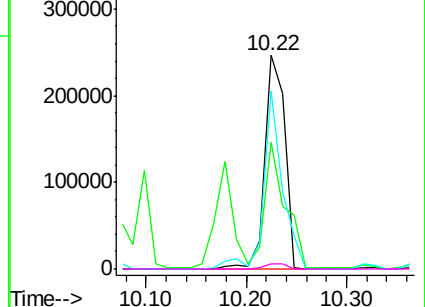


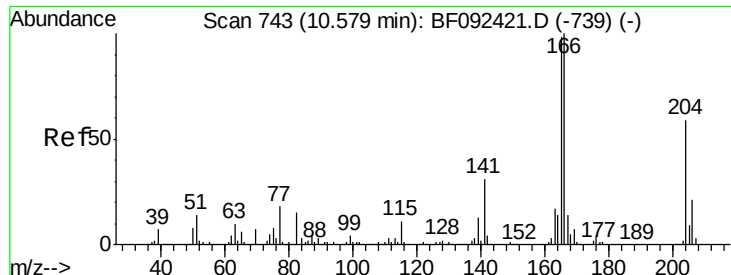
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

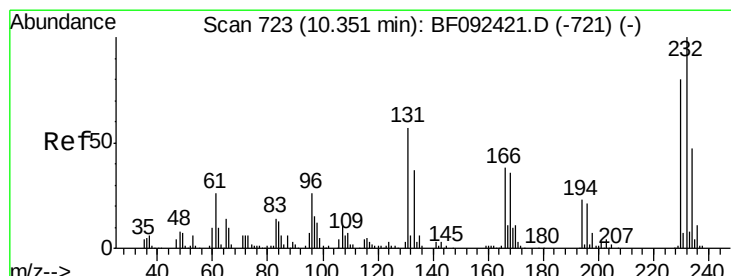
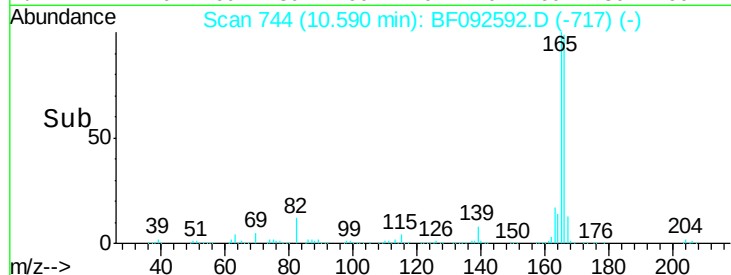
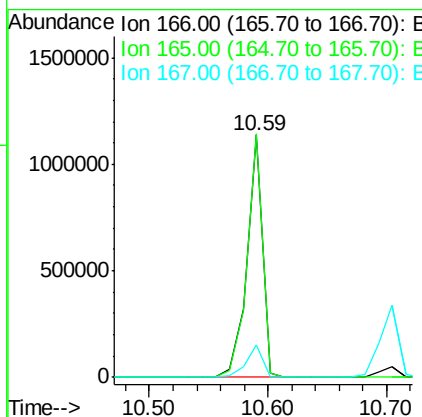
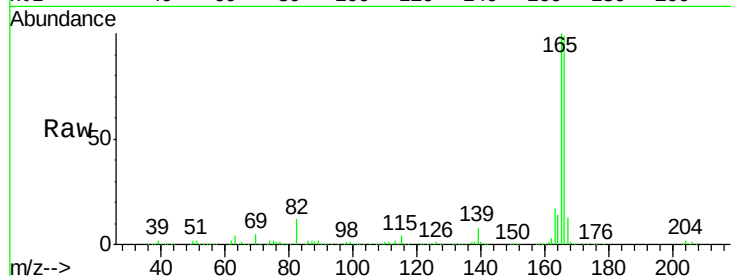




#57
Fluorene
 Concen: 48.43 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

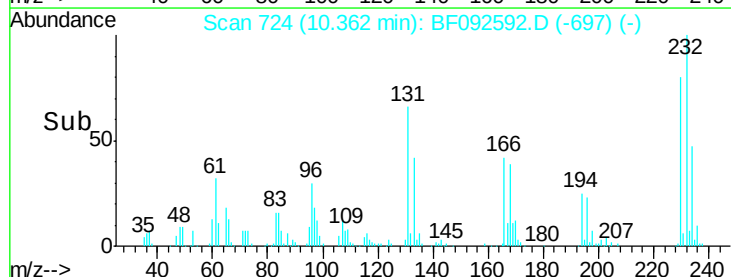
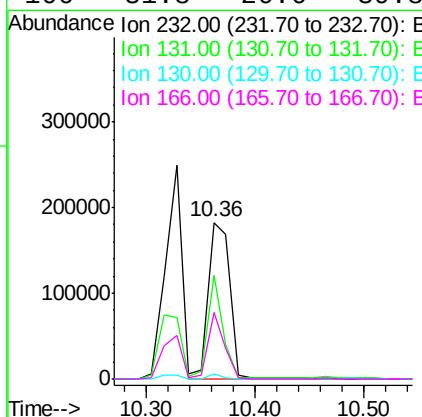
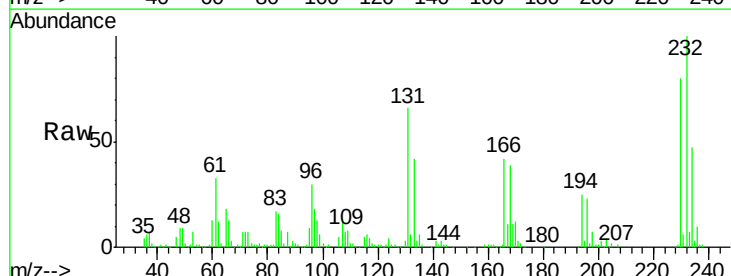
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

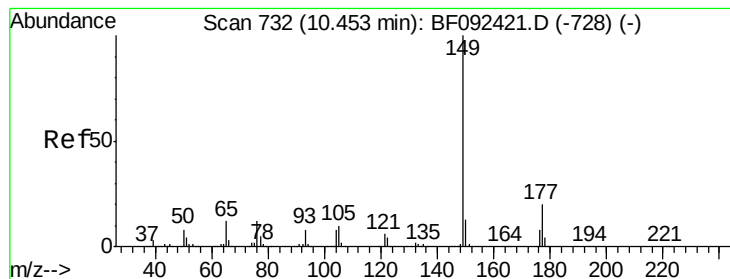
Tgt Ion:166 Resp: 1040393
 Ion Ratio Lower Upper
 166 100
 165 100.5 77.8 116.8
 167 13.3 10.8 16.2



#58
2,3,4,6-Tetrachlorophenol
 Concen: 48.55 ng
 RT: 10.36 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:232 Resp: 255048
 Ion Ratio Lower Upper
 232 100
 131 46.9 40.1 60.1
 130 2.4 1.8 2.8
 166 31.8 26.6 39.8





#59

Diethylphthalate

Concen: 48.04 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

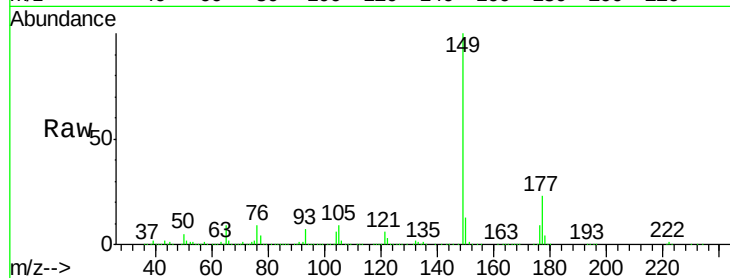
Tgt Ion:149 Resp: 1161614

Ion Ratio Lower Upper

149 100

177 22.8 16.6 25.0

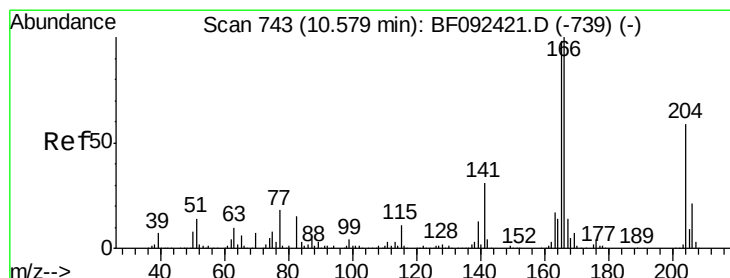
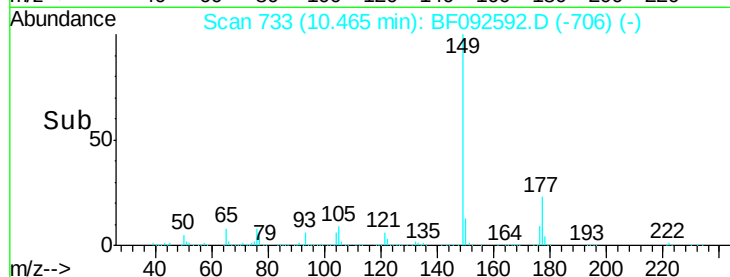
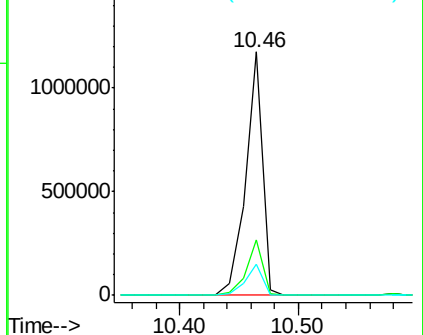
150 12.8 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.47 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

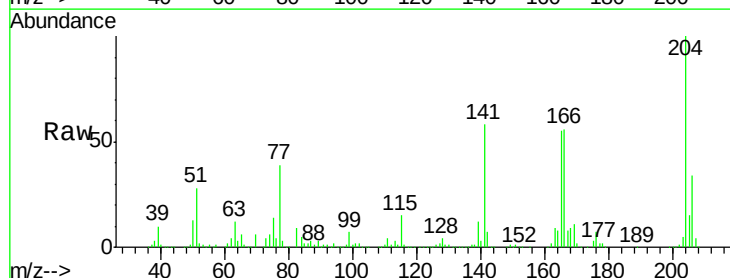
Tgt Ion:204 Resp: 484182

Ion Ratio Lower Upper

204 100

206 34.4 25.8 38.6

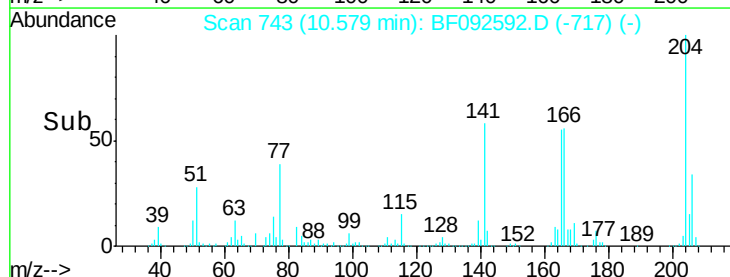
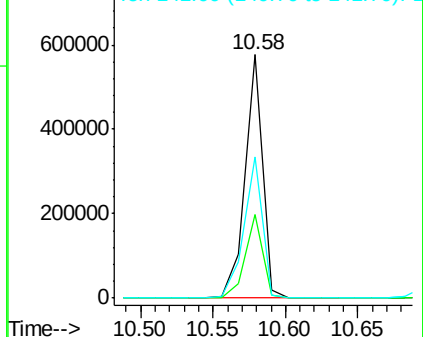
141 58.2 59.4 89.0#

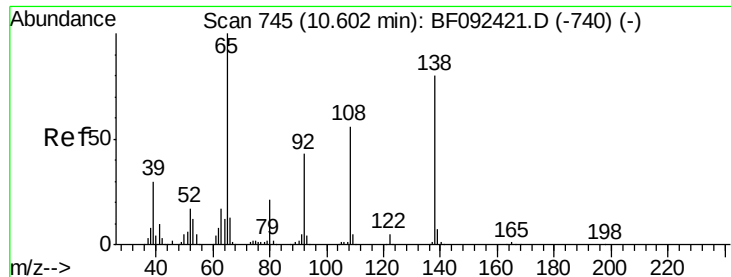


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.71 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

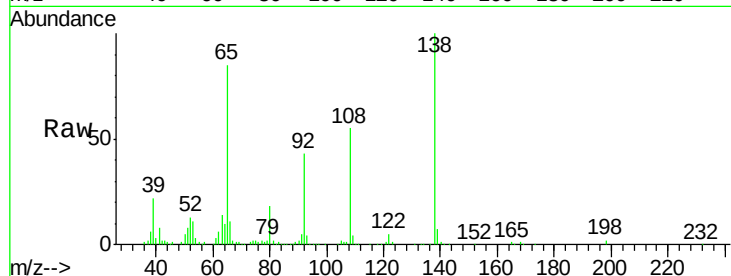
Tgt Ion: 138 Resp: 295097

Ion Ratio Lower Upper

138 100

92 43.0 31.7 71.7

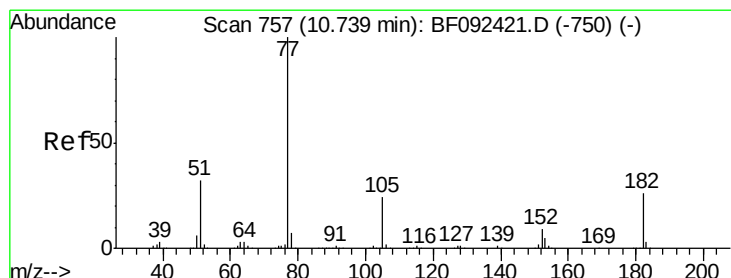
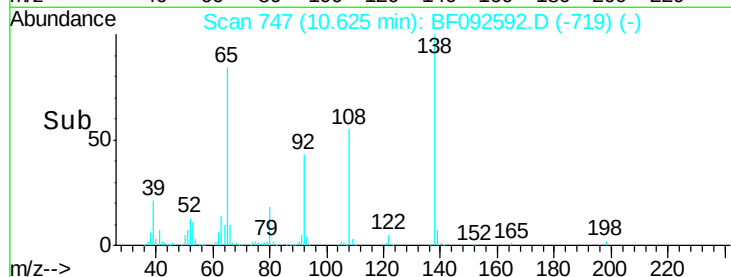
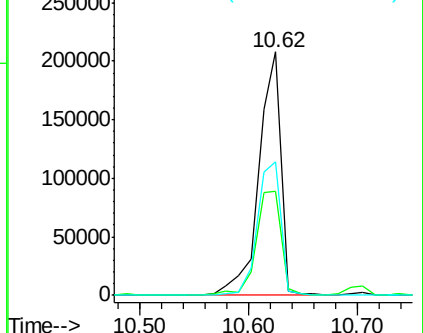
108 54.9 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 44.83 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Tgt Ion: 77 Resp: 1233359

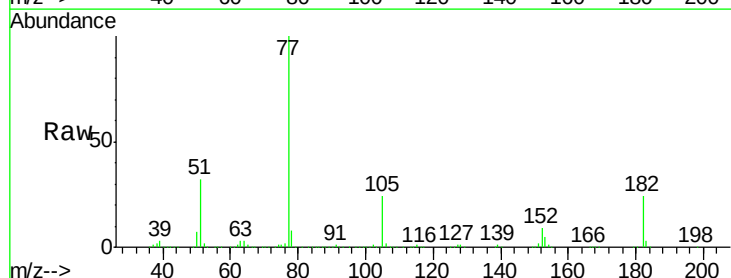
Ion Ratio Lower Upper

77 100

182 24.0 0.0 39.3

105 24.1 2.3 42.3

51 31.7 8.9 48.9

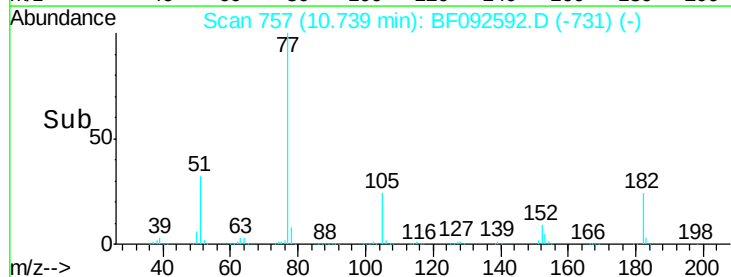
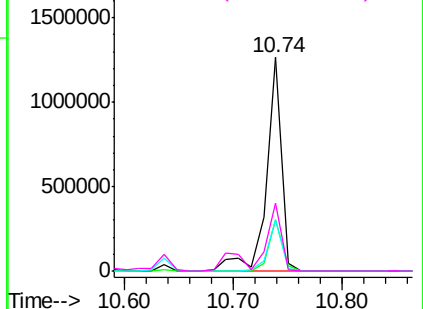


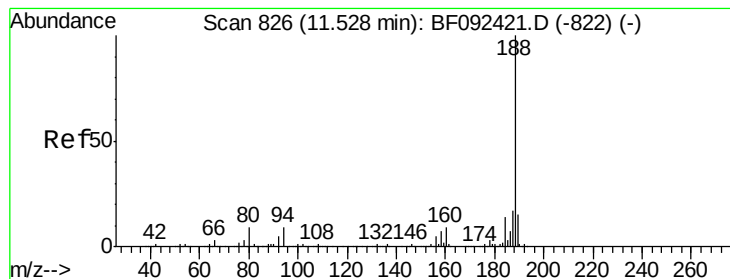
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

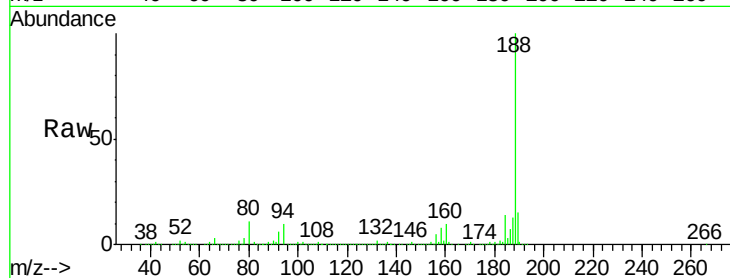
Tgt Ion:188 Resp: 595129

Ion Ratio Lower Upper

188 100

94 10.2 10.0 15.0

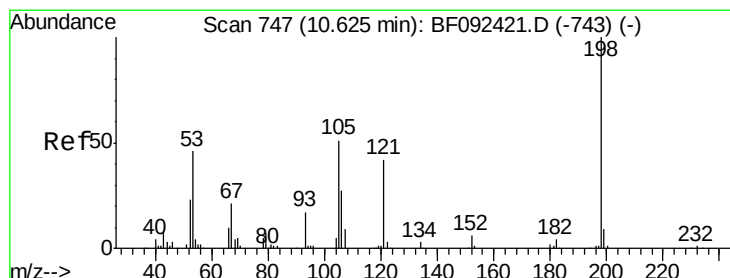
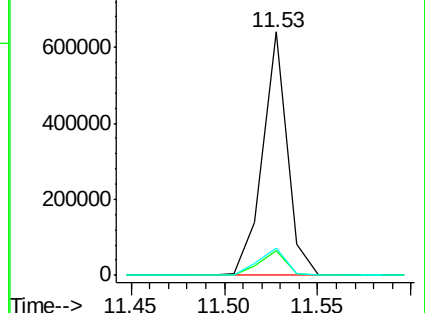
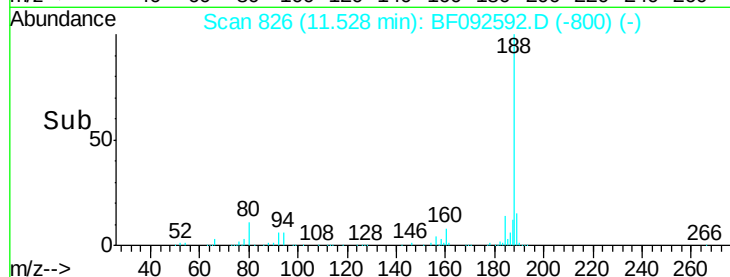
80 11.1 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 40.02 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

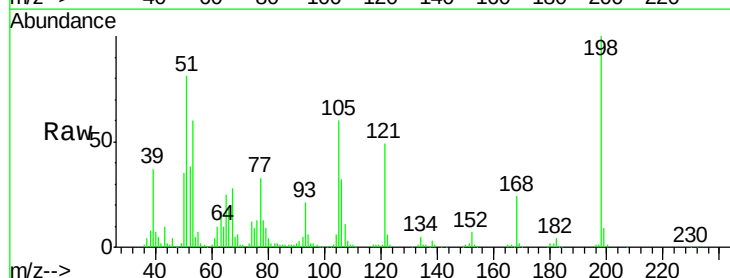
Tgt Ion:198 Resp: 125403

Ion Ratio Lower Upper

198 100

51 81.1 6.7 46.7#

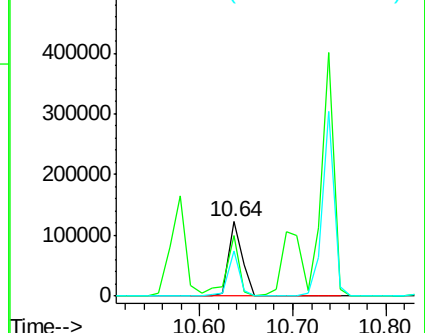
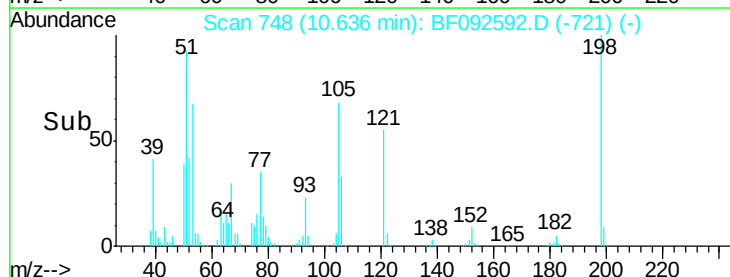
105 59.9 16.6 56.6#

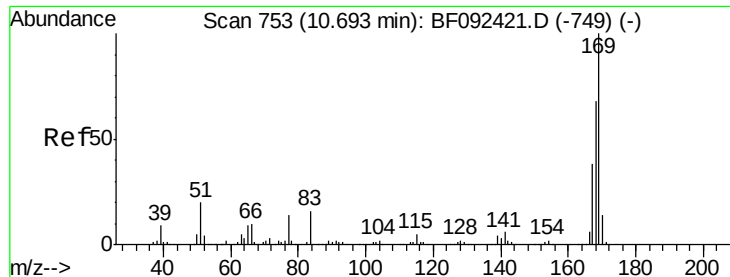


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 51.19 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

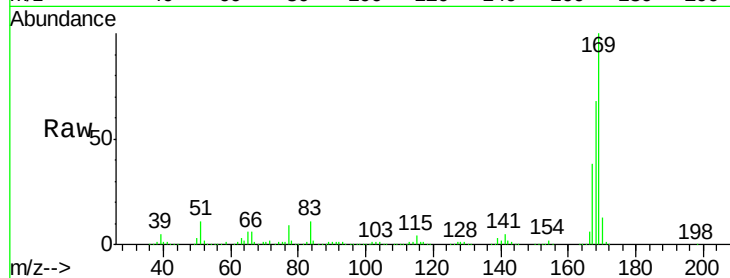
Tgt Ion:169 Resp: 951434

Ion Ratio Lower Upper

169 100

168 68.2 54.2 81.2

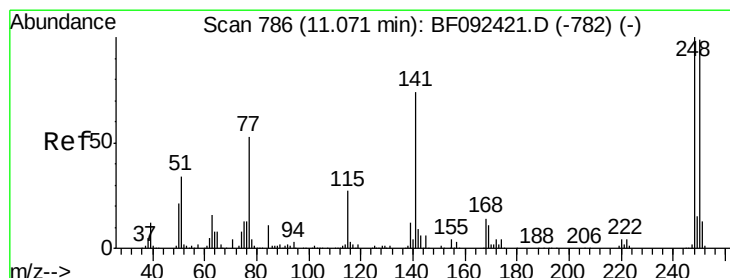
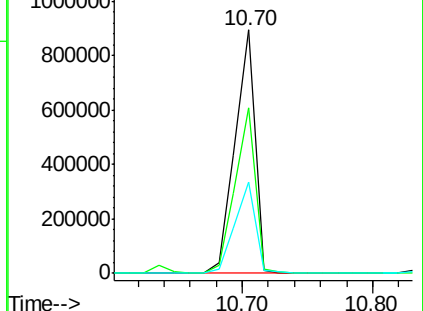
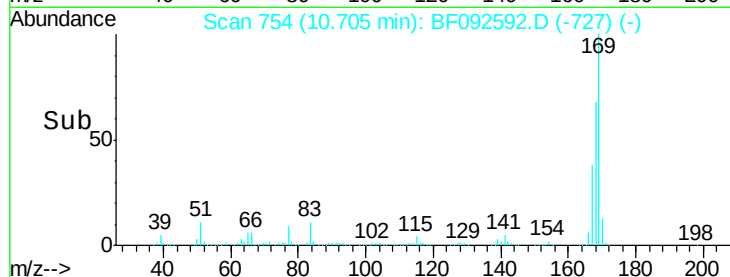
167 37.6 30.2 45.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.26 ng

RT: 11.07 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

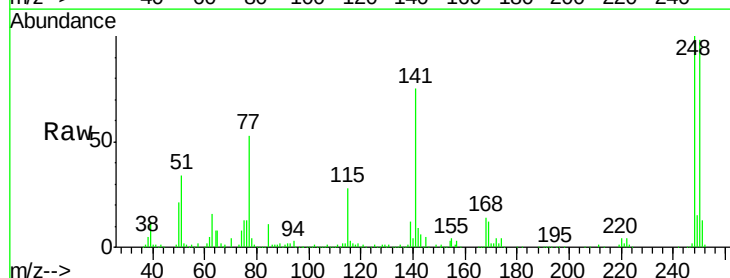
Tgt Ion:248 Resp: 283989

Ion Ratio Lower Upper

248 100

250 97.6 76.9 115.3

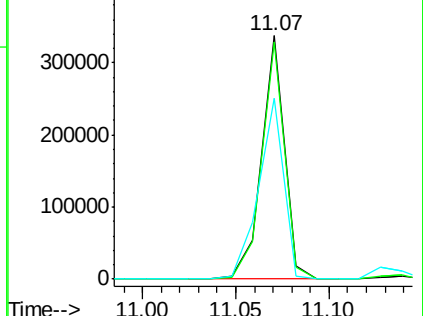
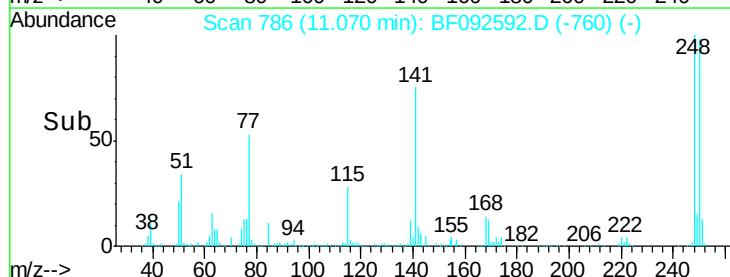
141 74.5 68.2 102.4

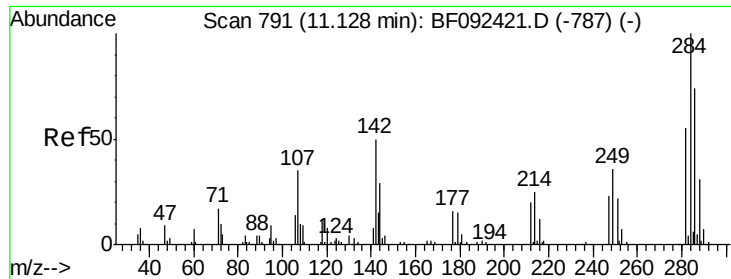


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 47.95 ng

RT: 11.14 min Scan# 792

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

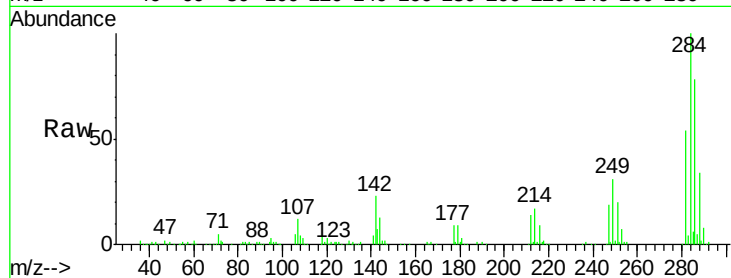
Tgt Ion:284 Resp: 291252

Ion Ratio Lower Upper

284 100

142 22.6 22.6 33.8

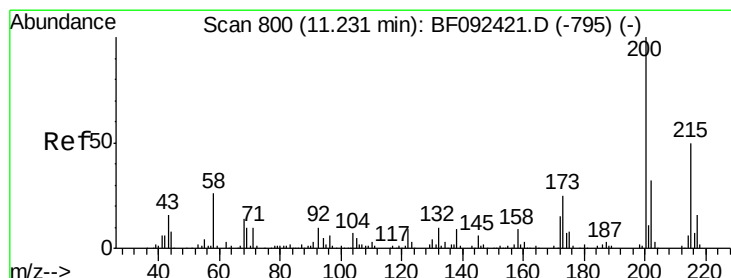
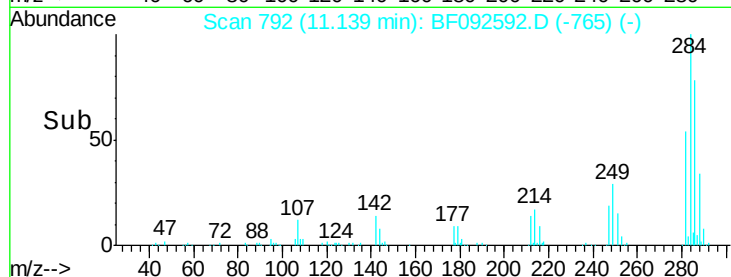
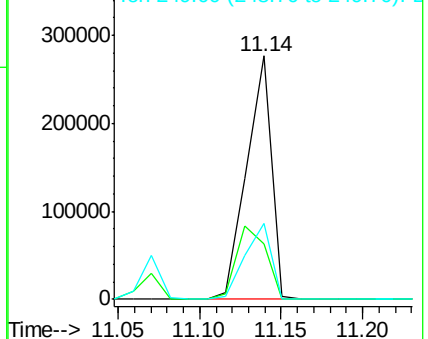
249 31.2 25.4 38.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 42.24 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

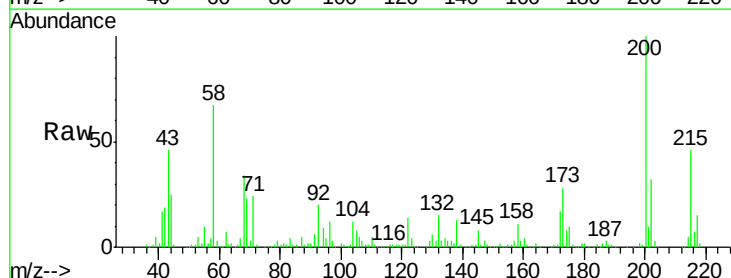
Tgt Ion:200 Resp: 268734

Ion Ratio Lower Upper

200 100

173 28.4 9.6 49.6

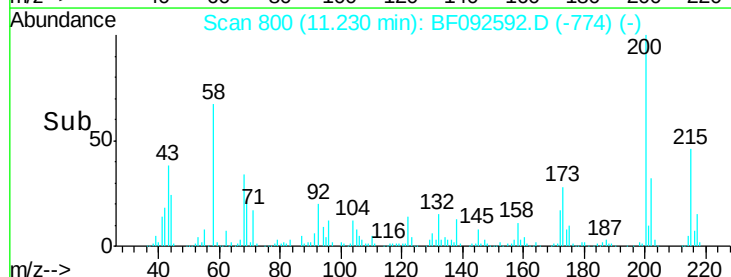
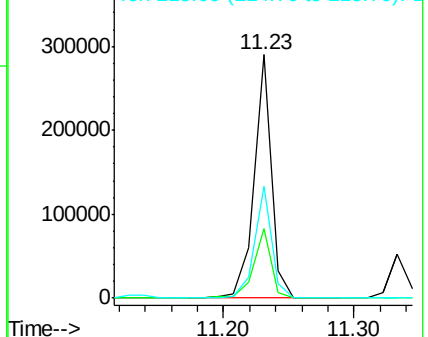
215 46.0 25.7 65.7

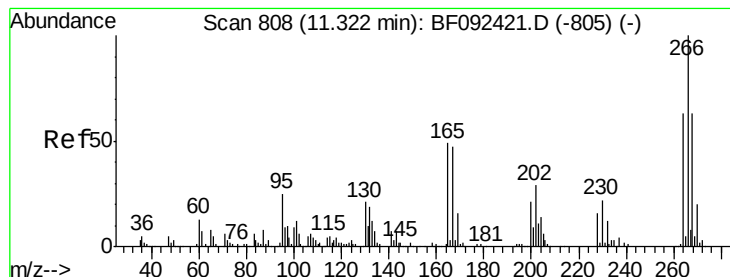


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 64.04 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

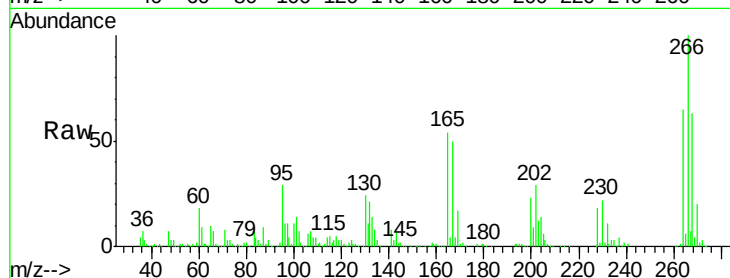
Tgt Ion:266 Resp: 248701

Ion Ratio Lower Upper

266 100

268 62.6 53.3 79.9

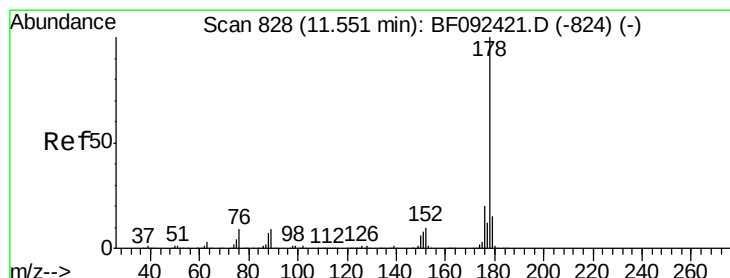
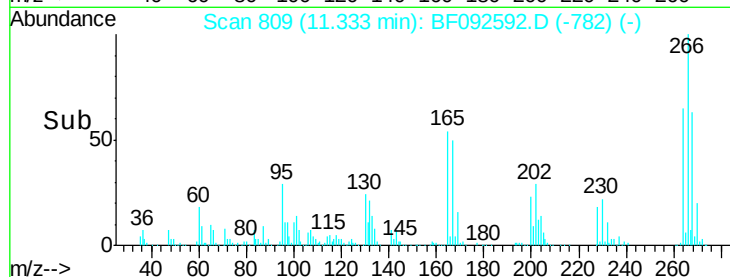
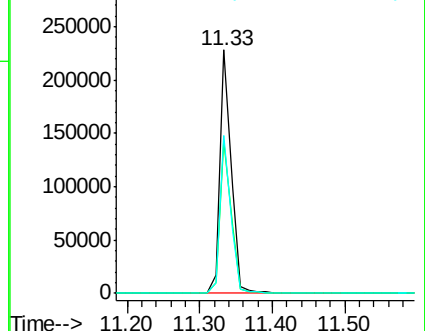
264 64.7 50.3 75.5



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 40.71 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

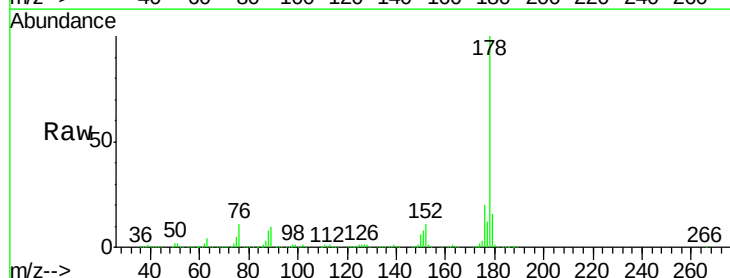
Tgt Ion:178 Resp: 1334346

Ion Ratio Lower Upper

178 100

176 20.2 16.6 25.0

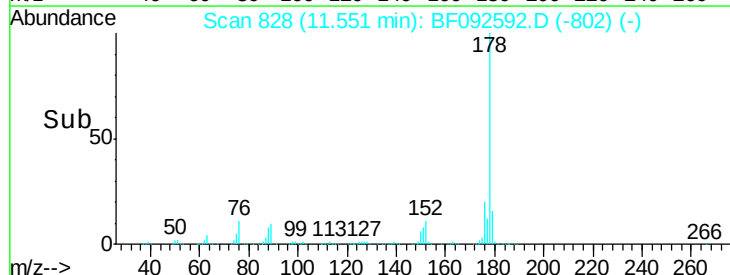
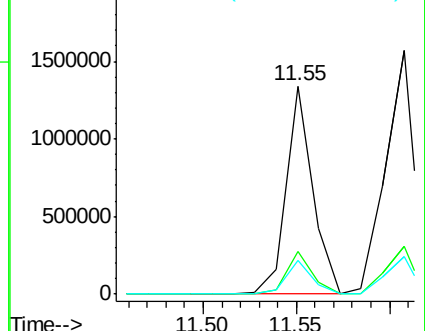
179 16.2 12.8 19.2

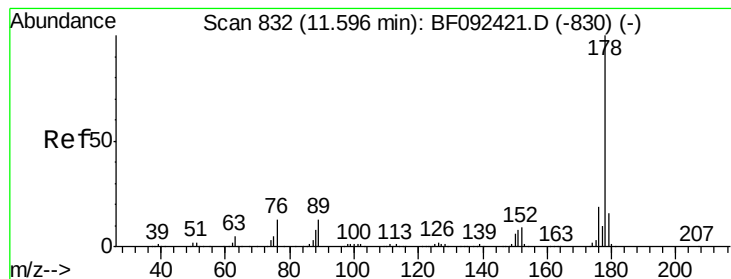


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

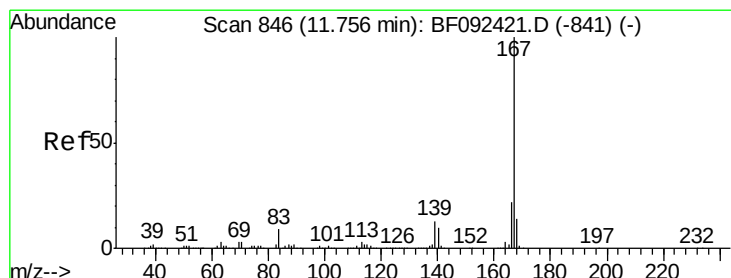
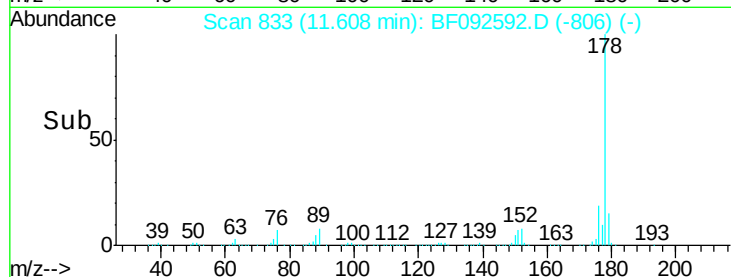
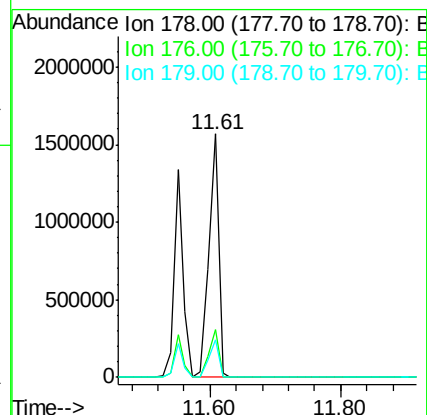
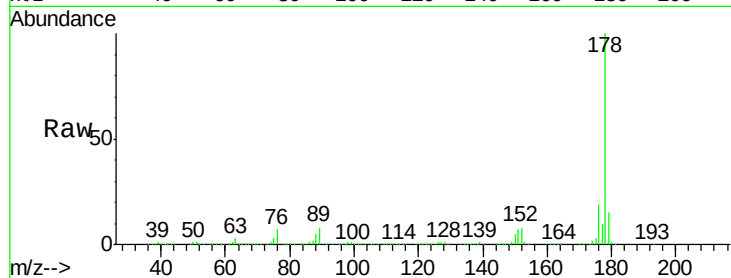




#71
 Anthracene
 Concen: 50.12 ng
 RT: 11.61 min Scan# 833
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

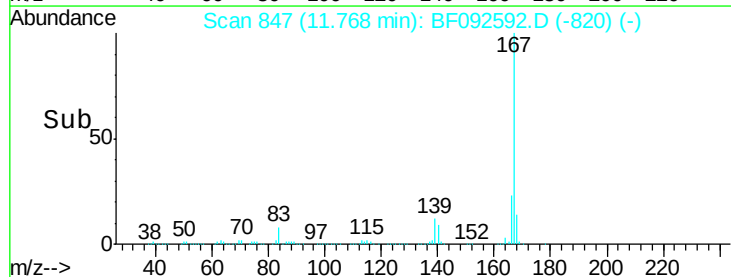
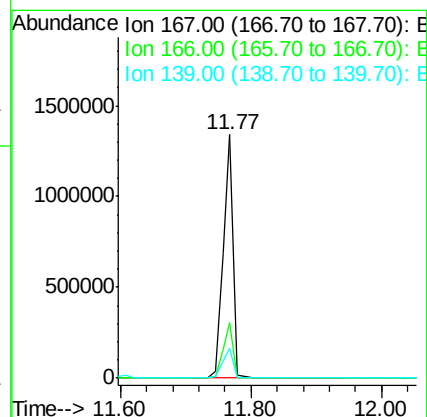
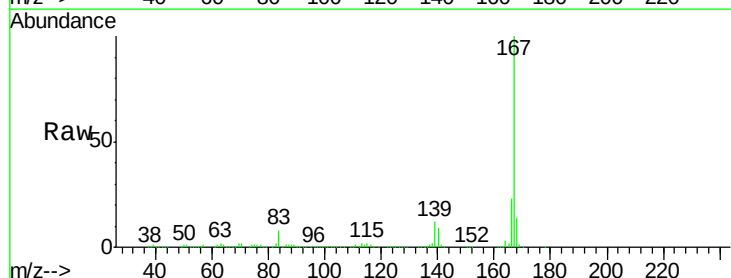
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

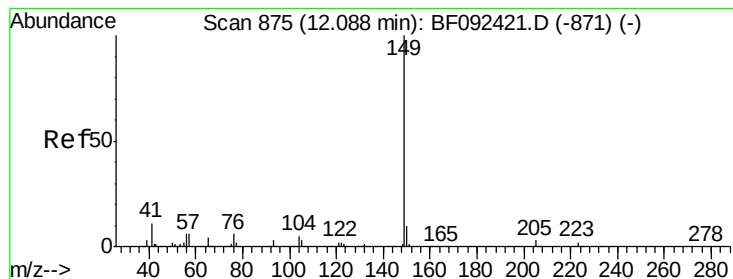
Tgt Ion:178 Resp: 1605245
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.9 23.9
 179 15.5 13.2 19.8



#72
 Carbazole
 Concen: 47.35 ng
 RT: 11.77 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:167 Resp: 1448040
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 12.2 11.4 17.2





#73

Di-n-butylphthalate

Concen: 48.56 ng

RT: 12.09 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

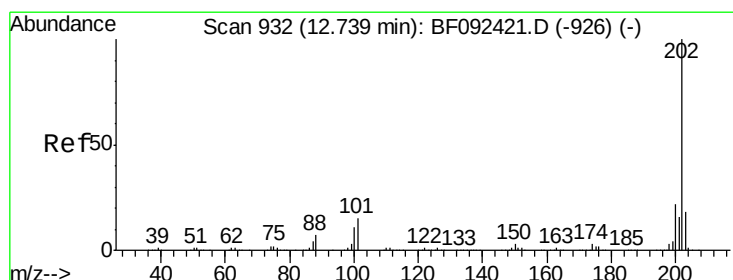
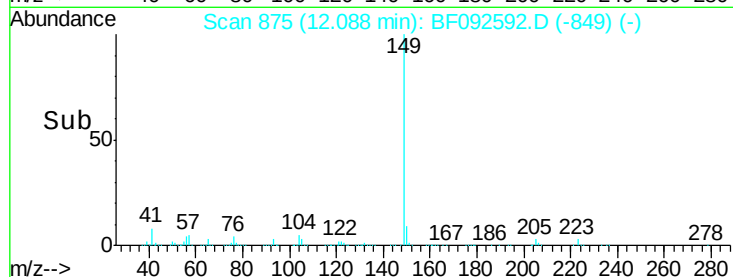
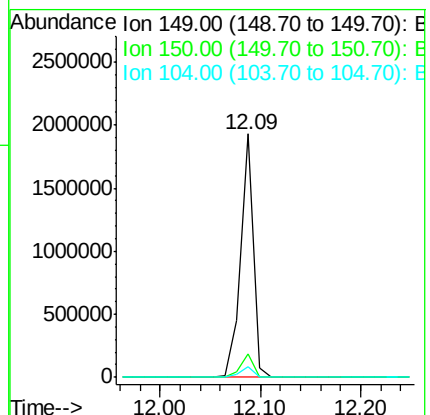
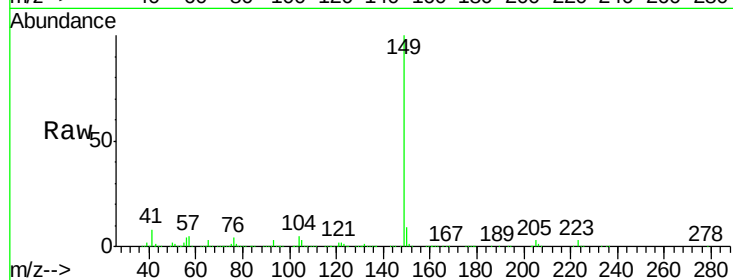
Tgt Ion:149 Resp: 1697941

Ion Ratio Lower Upper

149 100

150 9.4 8.1 12.1

104 4.5 4.6 7.0#



#74

Fluoranthene

Concen: 42.98 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

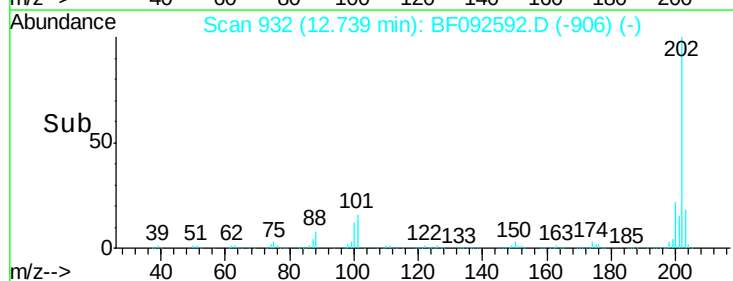
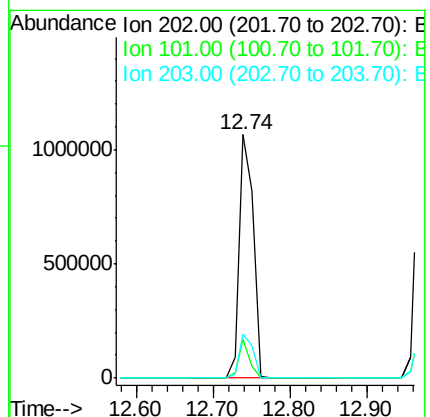
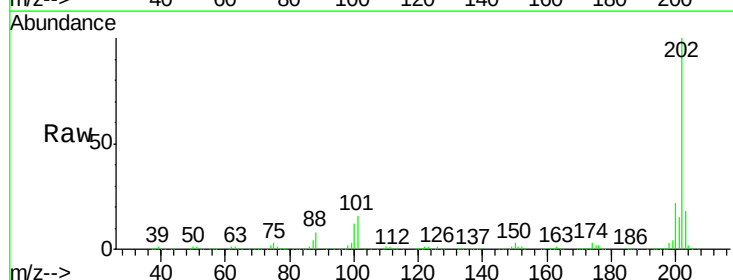
Tgt Ion:202 Resp: 1377772

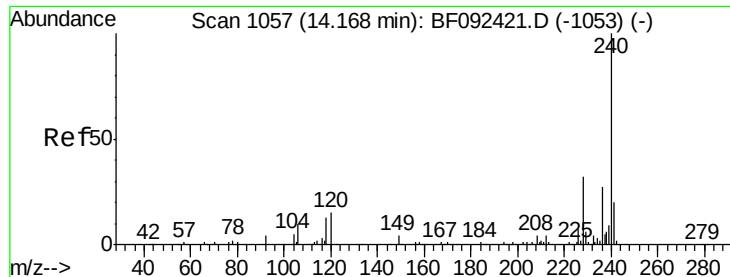
Ion Ratio Lower Upper

202 100

101 15.8 0.0 34.6

203 18.1 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

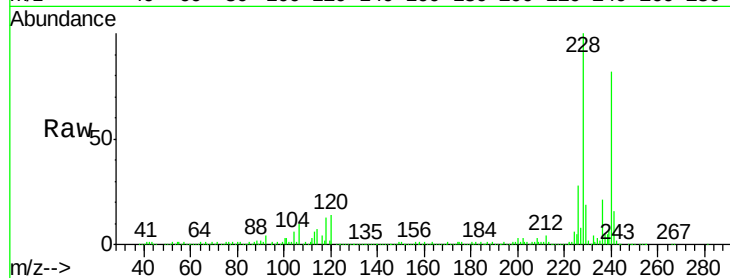
Tgt Ion:240 Resp: 377485

Ion Ratio Lower Upper

240 100

120 17.6 12.9 19.3

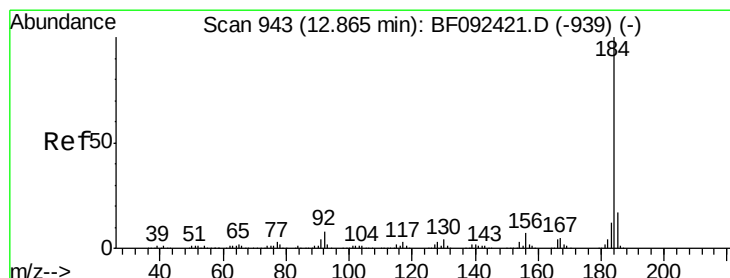
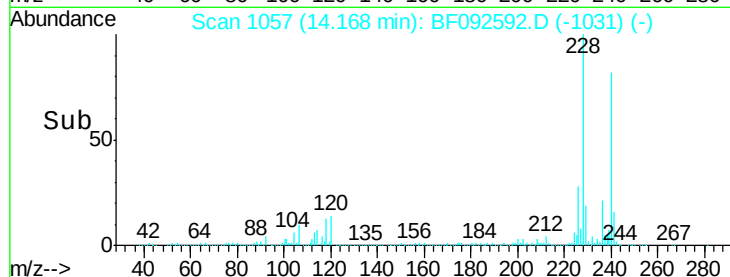
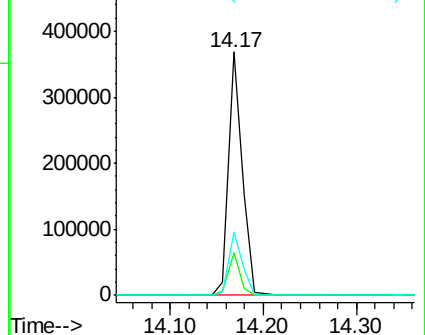
236 26.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 26.33 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

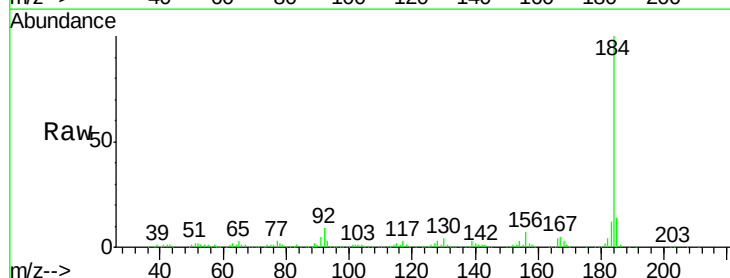
Tgt Ion:184 Resp: 368921

Ion Ratio Lower Upper

184 100

185 13.9 13.4 20.0

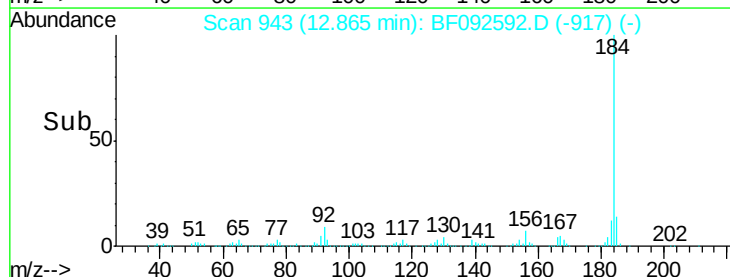
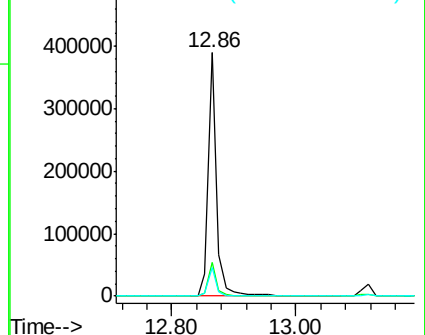
183 11.7 9.2 13.8

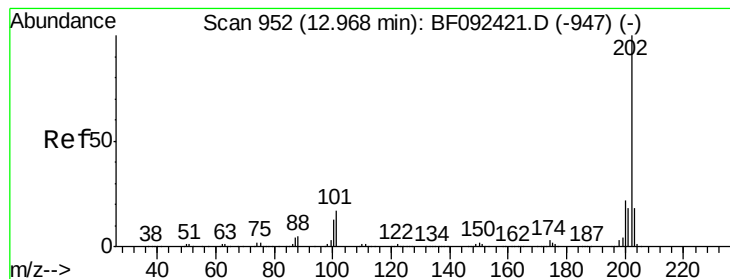


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 51.55 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

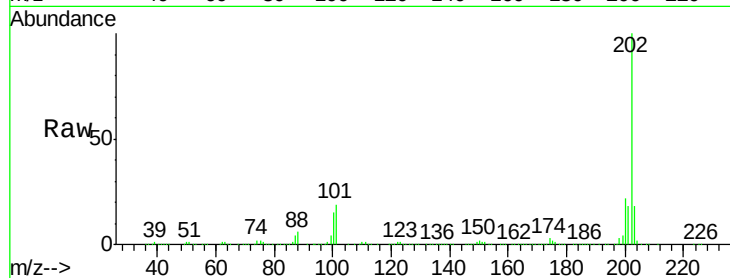
Tgt Ion:202 Resp: 1409895

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

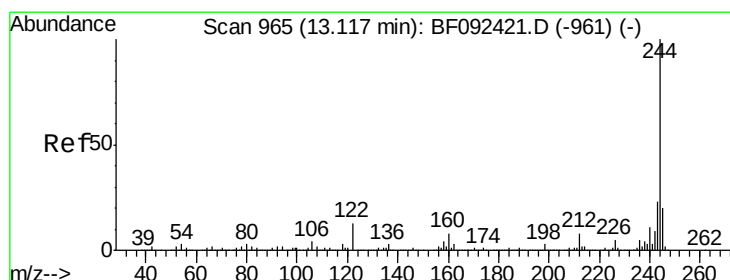
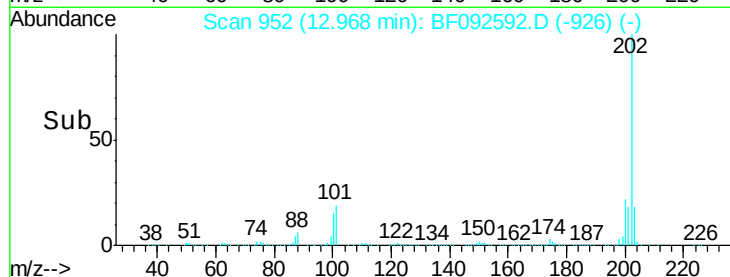
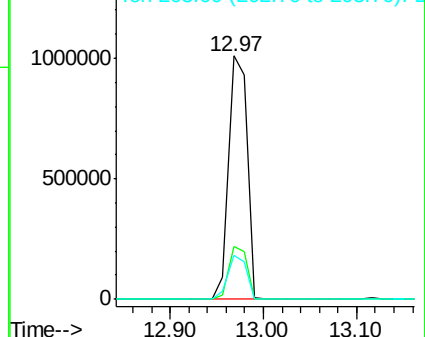
203 18.0 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 101.08 ng

RT: 13.12 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

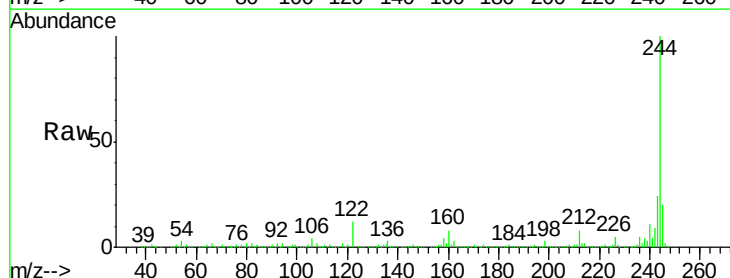
Tgt Ion:244 Resp: 1432949

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

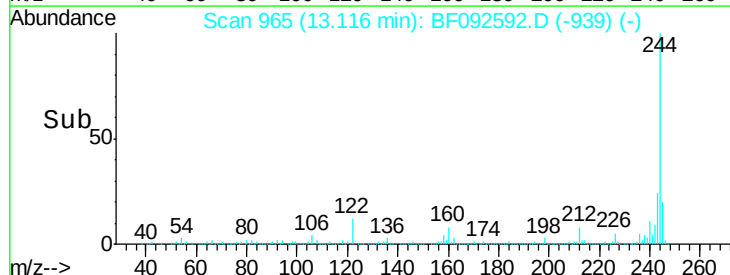
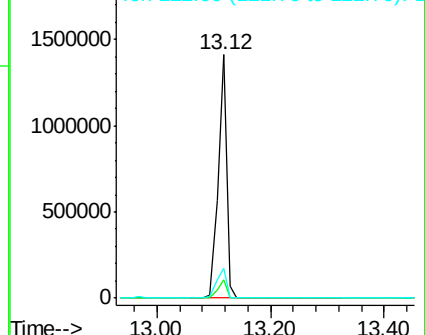
122 12.2 11.4 17.2

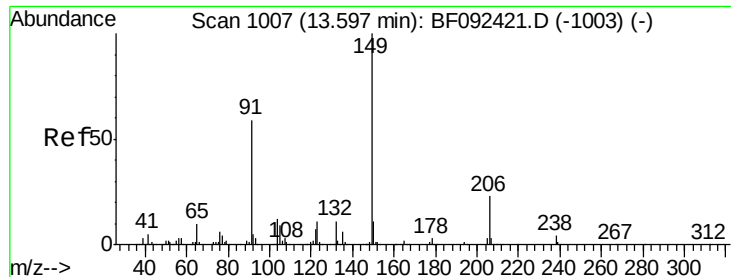


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

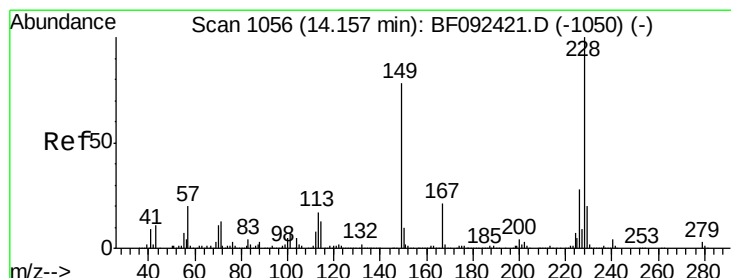
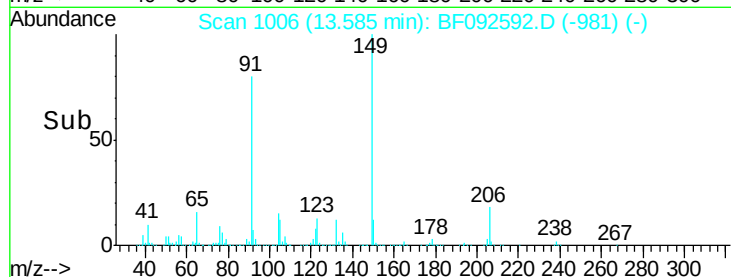
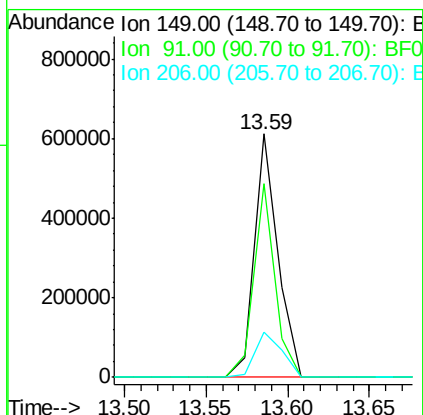
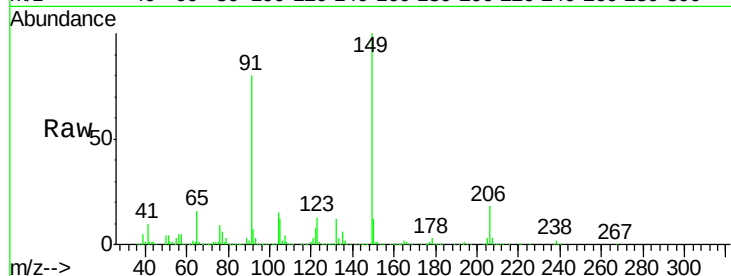




#79
Butylbenzylphthalate
Concen: 55.11 ng
RT: 13.59 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

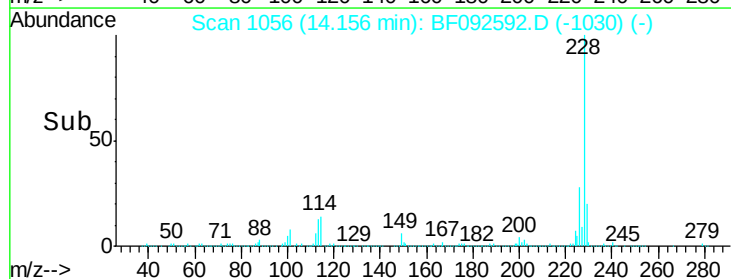
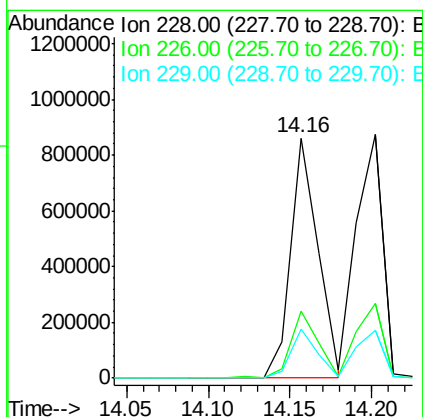
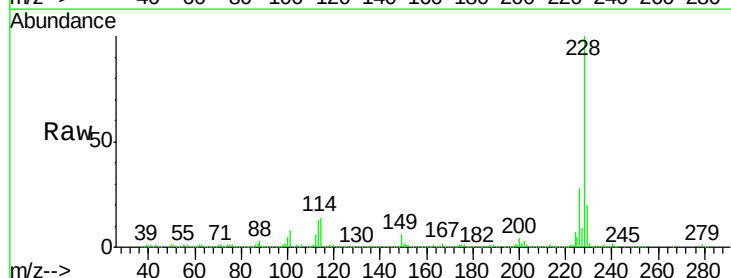
Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

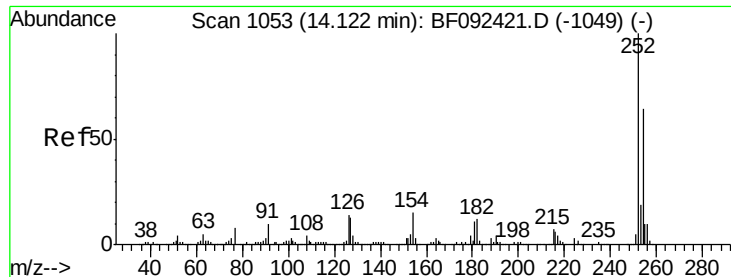
Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.6	63.9	95.9
206	18.5	14.6	21.8



#80
Benzo(a)anthracene
Concen: 49.61 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.4	33.6
229	20.2	16.2	24.4

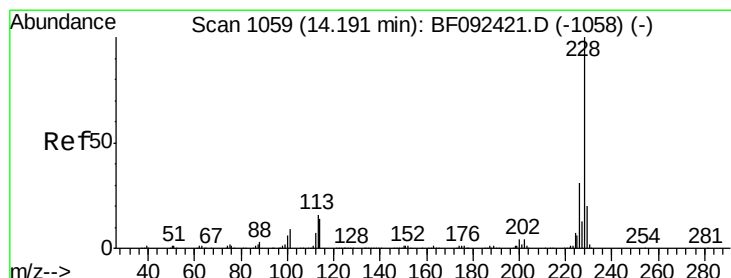
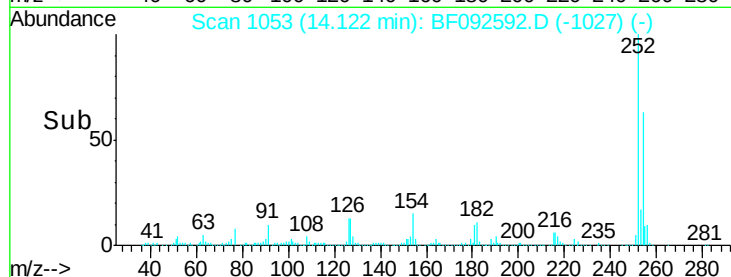
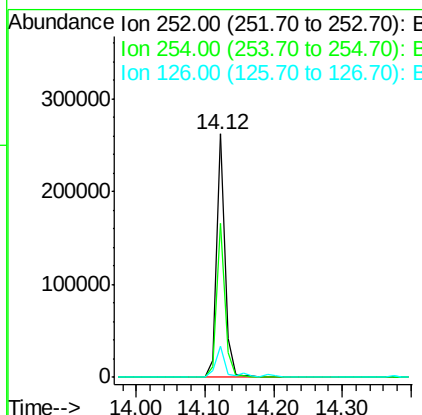
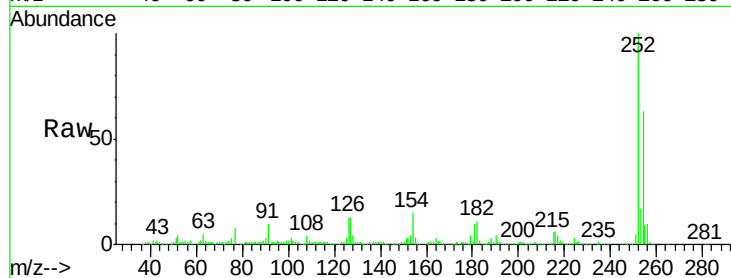




#81
 3,3'-Dichlorobenzidine
 Concen: 29.98 ng
 RT: 14.12 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

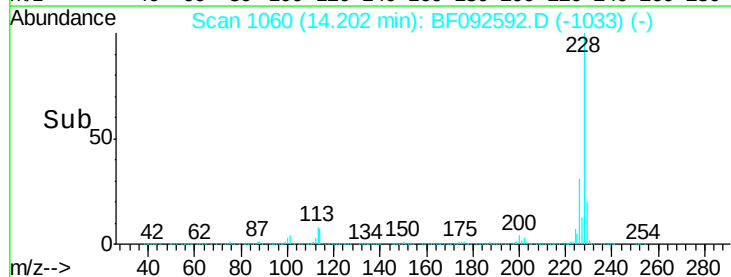
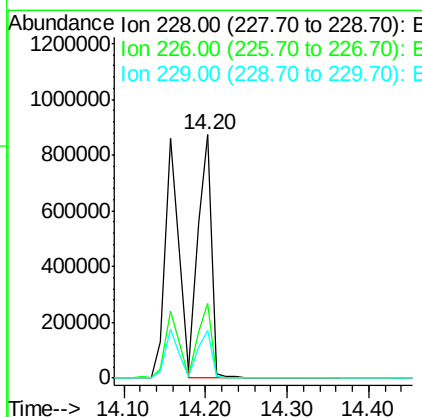
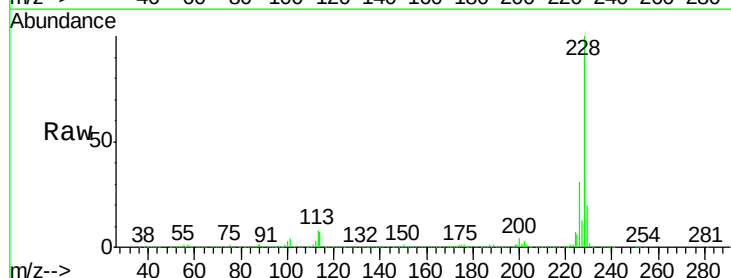
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

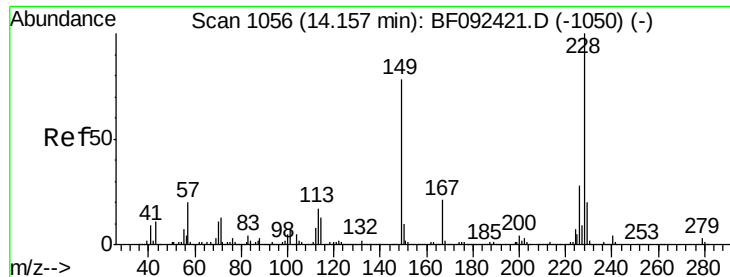
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	52.3	78.5
126	12.9	13.6	20.4



#82
 Chrysene
 Concen: 46.48 ng
 RT: 14.20 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	19.6	16.2	24.2

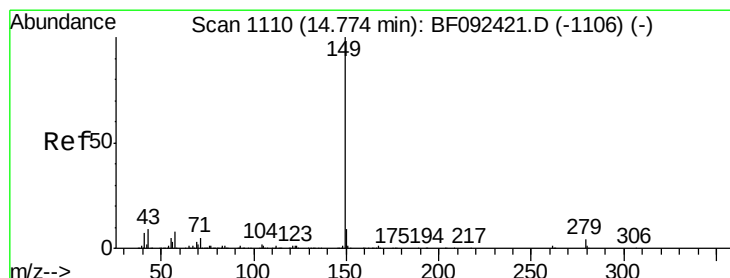
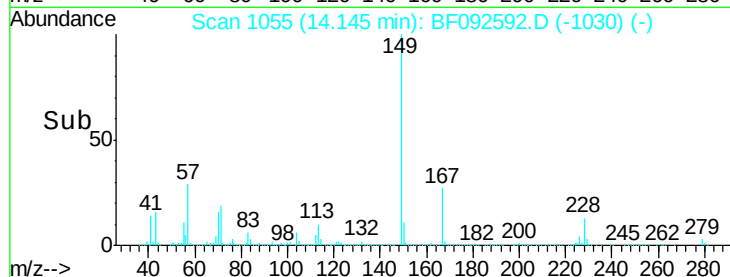
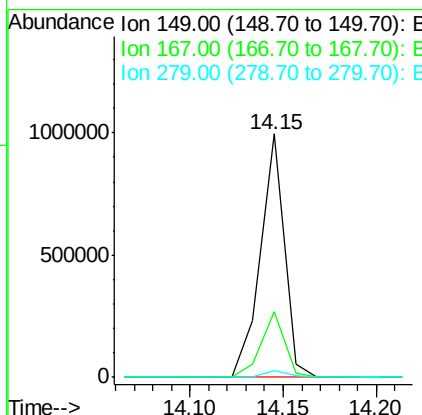
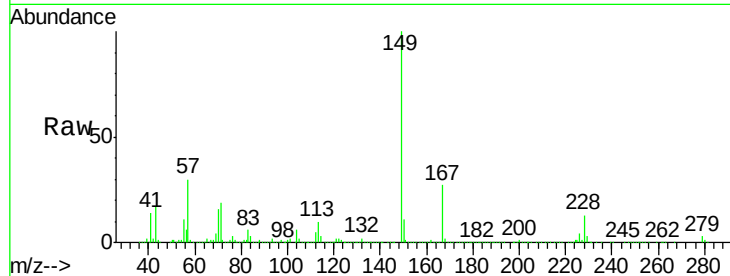




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 63.17 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

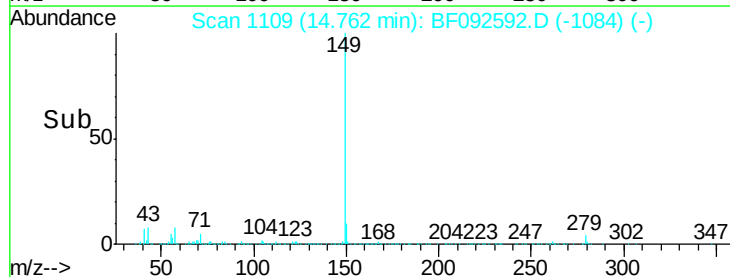
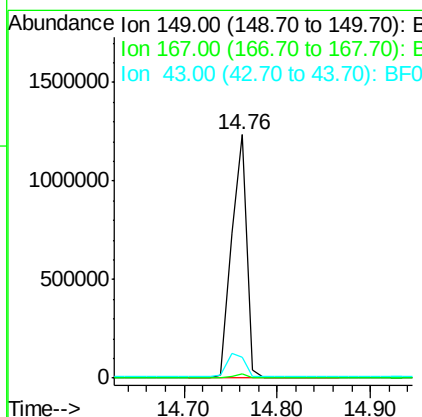
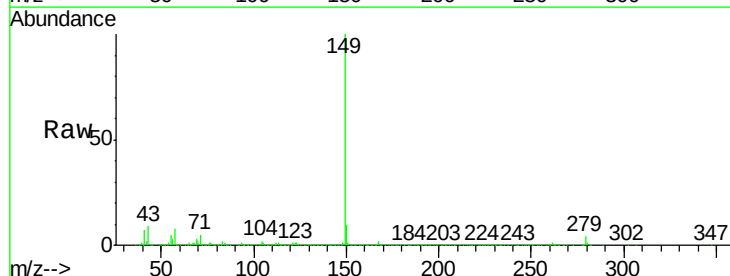
Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-02-2-4MSD

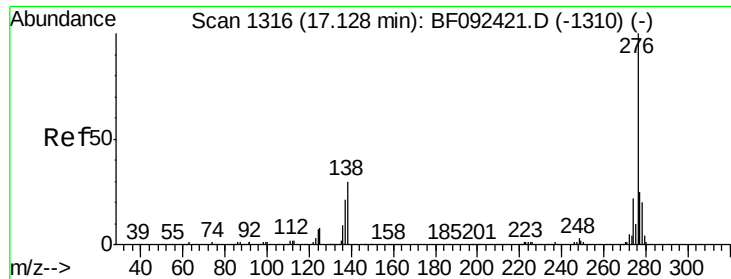
Tgt Ion:149 Resp: 881488
 Ion Ratio Lower Upper
 149 100
 167 26.8 20.2 30.4
 279 3.0 1.8 2.8#



#84
 Di-n-octyl phthalate
 Concen: 55.11 ng
 RT: 14.76 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF092592.D
 Acq: 27 Jan 2017 22:48

Tgt Ion:149 Resp: 1396088
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 11.6 8.9 13.3

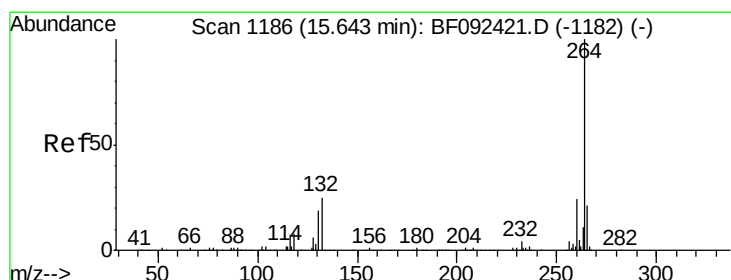
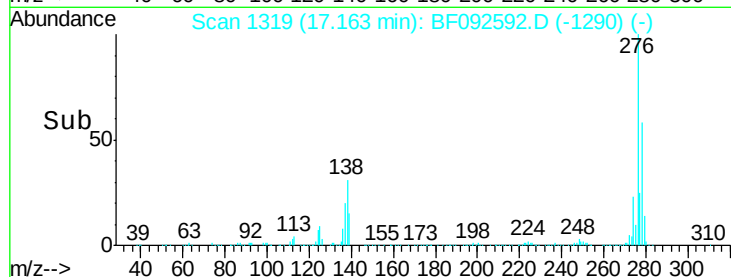
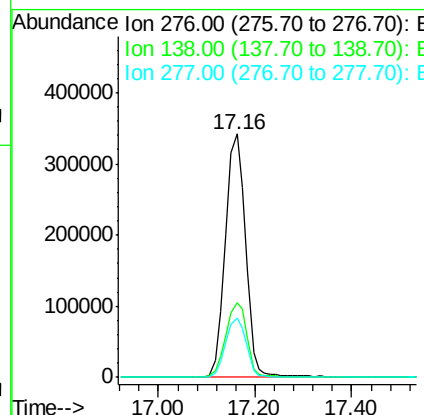
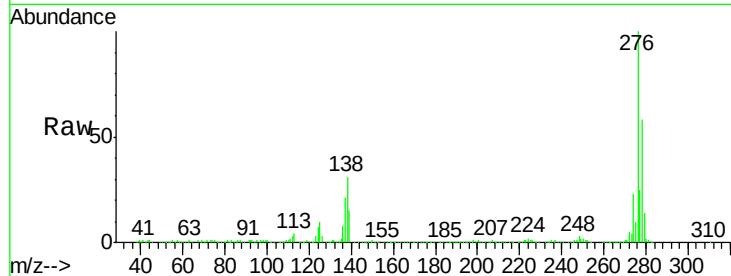




#85
Indeno(1,2,3-cd)pyrene
Concen: 63.06 ng
RT: 17.16 min Scan# 1319
Delta R.T. 0.03 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

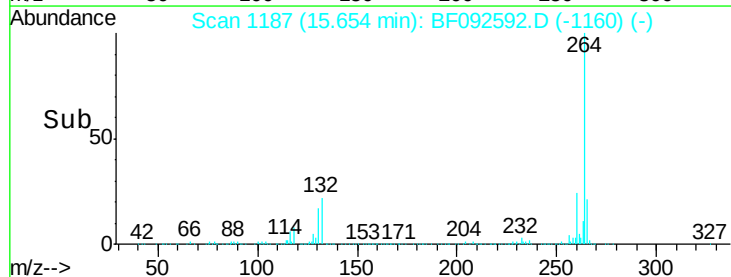
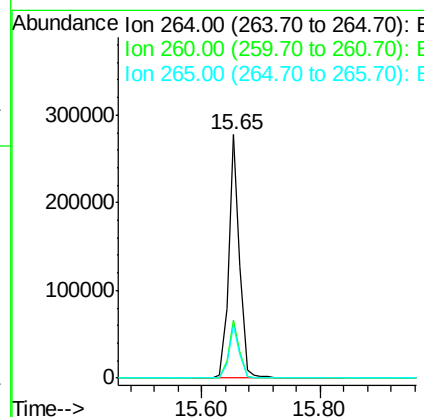
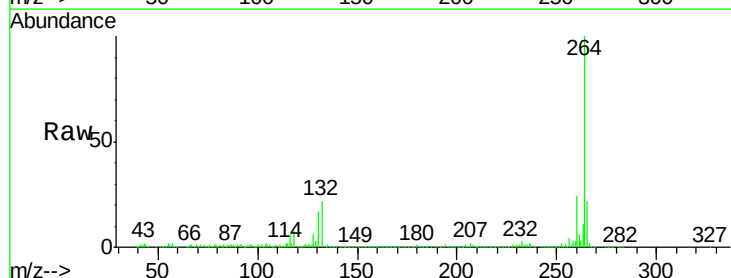
Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

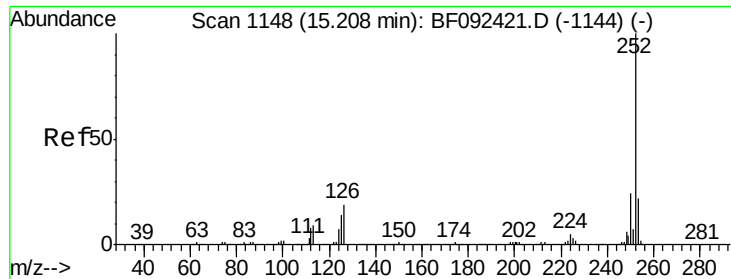
Tgt Ion:276 Resp: 1010840
Ion Ratio Lower Upper
276 100
138 31.9 21.8 32.6
277 25.2 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion:264 Resp: 350429
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 17.4 26.0

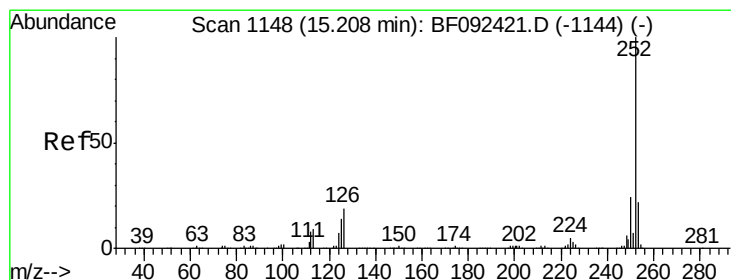
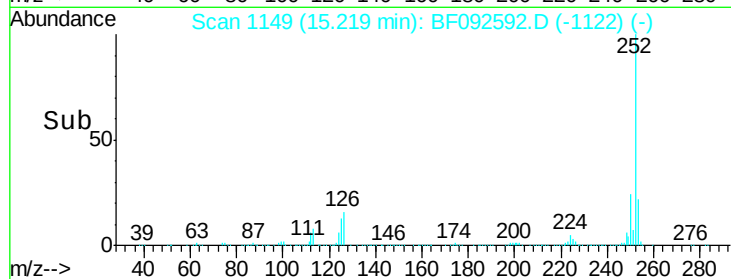
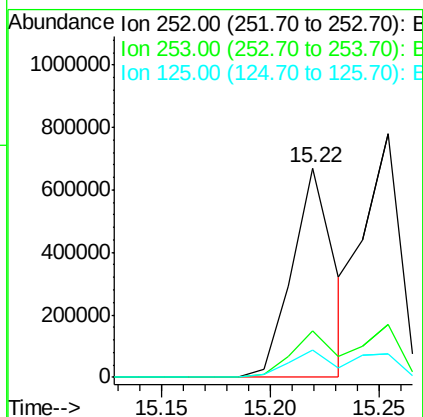
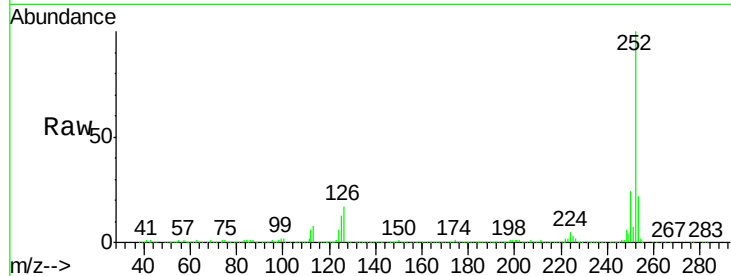




#87
Benzo(b)fluoranthene
Concen: 40.03 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

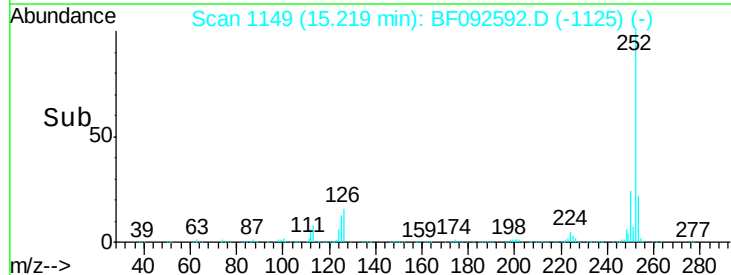
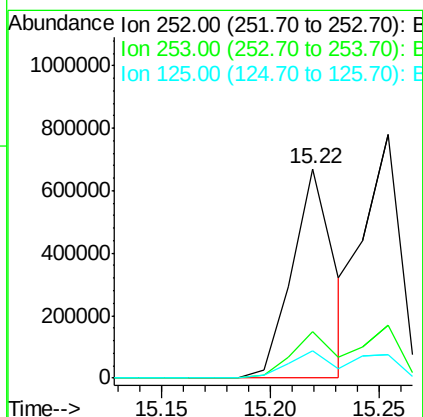
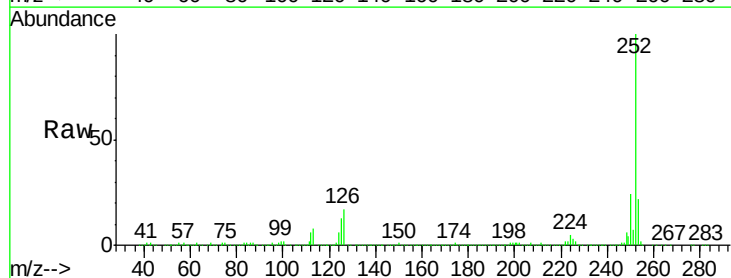
Instrument :
BNA_F
ClientSampleId :
CHA-SB-02-2-4MSD

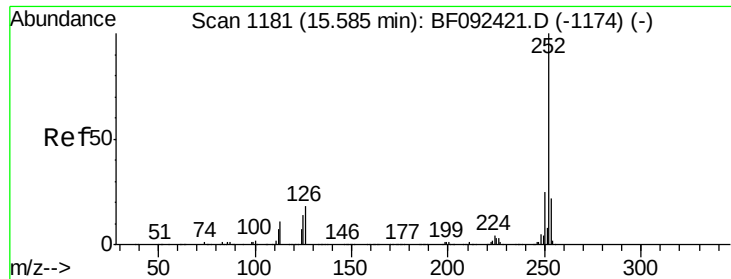
Tgt Ion:252 Resp: 900553
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 12.9 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 48.14 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF092592.D
Acq: 27 Jan 2017 22:48

Tgt Ion:252 Resp: 900553
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 12.9 8.9 13.3





#89

Benzo(a)pyrene

Concen: 46.09 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD

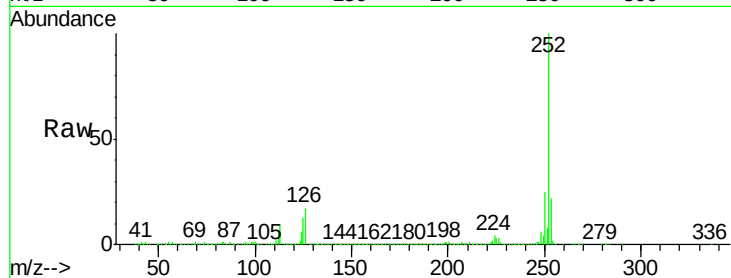
Tgt Ion:252 Resp: 877235

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

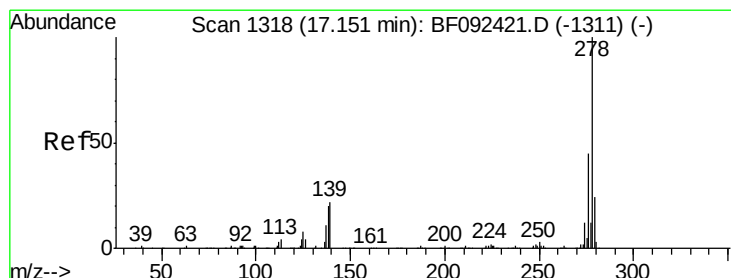
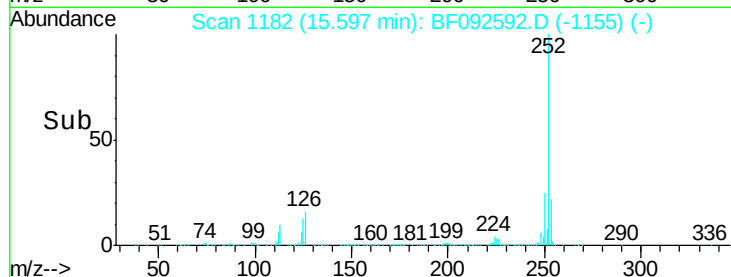
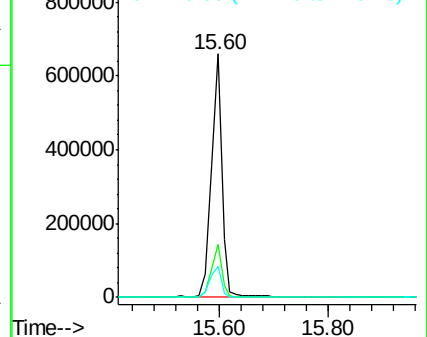
125 12.7 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 55.53 ng

RT: 17.19 min Scan# 1321

Delta R.T. 0.03 min

Lab File: BF092592.D

Acq: 27 Jan 2017 22:48

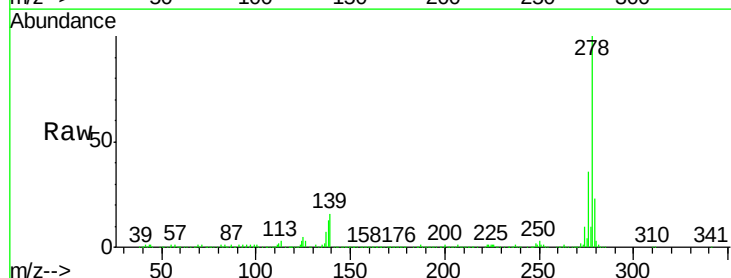
Tgt Ion:278 Resp: 854566

Ion Ratio Lower Upper

278 100

139 16.0 14.8 22.2

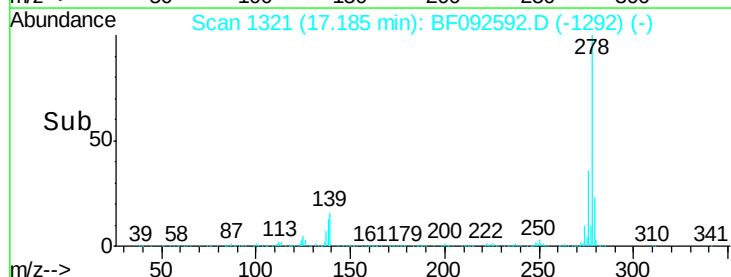
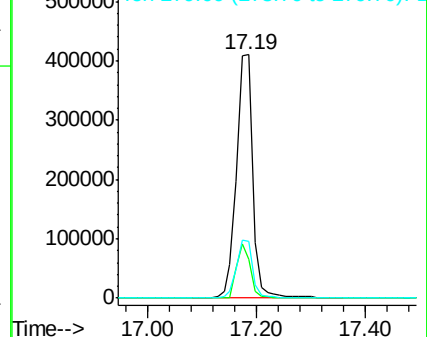
279 23.4 19.8 29.6

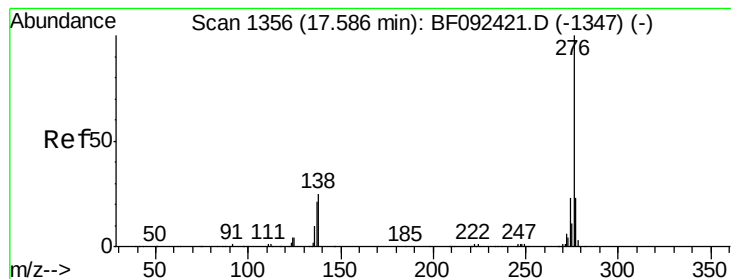


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 54.07 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092592.D

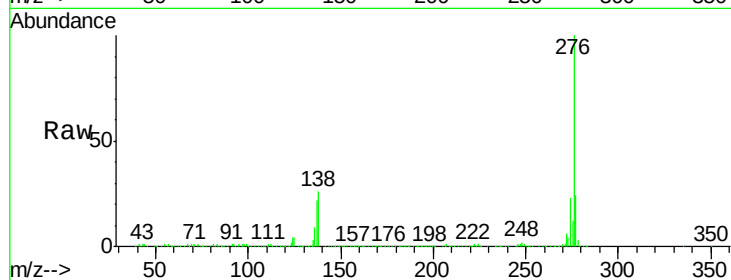
Acq: 27 Jan 2017 22:48

Instrument :

BNA_F

ClientSampleId :

CHA-SB-02-2-4MSD



Tgt Ion:	276	Resp:	841524
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	25.6	16.0	24.0#

