

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084733.D
 Acq On : 2 Feb 2016 2:23
 Operator : SJ/IZ
 Sample : H1294-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Quant Time: Feb 02 03:37:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	162457	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	643314	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	306057	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	550371	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	338781	20.00	ng	-0.01
86) Perylene-d12	15.24	264	298929	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1553737	148.97	ng	0.01
7) Phenol-d6	6.37	99	1921036	148.57	ng	0.00
23) Nitrobenzene-d5	7.29	82	1223543	107.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	460540	144.26	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1884981	120.47	ng	-0.01
78) Terphenyl-d14	12.82	244	1747305	116.87	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.27	88	183822	40.24	ng	# 73
3) Pyridine	2.93	79	571631	48.02	ng	# 65
4) n-Nitrosodimethylamine	2.90	42	297083	48.26	ng	# 85
6) Aniline	6.37	93	524199	33.13	ng	# 65
8) 2-Chlorophenol	6.50	128	544028	46.08	ng	# 90
9) Benzaldehyde	6.26	77	256386	33.58	ng	# 91
10) Phenol	6.38	94	788506	54.44	ng	# 96
11) bis(2-Chloroethyl)ether	6.45	93	517210	45.79	ng	# 81
12) 1,3-Dichlorobenzene	6.89	146	538663	43.19	ng	# 99
13) 1,4-Dichlorobenzene	6.73	146	558314	44.78	ng	# 96
14) 1,2-Dichlorobenzene	6.89	146	538596	46.38	ng	# 95
15) Benzyl Alcohol	6.86	79	437062	48.95	ng	# 91
16) 2,2'-oxybis(1-Chloropropan	7.00	45	829531	43.66	ng	# 89
17) 2-Methylphenol	6.99	107	467124	50.03	ng	# 92
18) Hexachloroethane	7.22	117	222466	46.33	ng	# 91
19) n-Nitroso-di-n-propylamine	7.14	70	374424	46.20	ng	# 74
20) 3+4-Methylphenols	7.14	107	558236	48.17	ng	# 67
22) Acetophenone	7.13	105	793514	46.80	ng	# 99
24) Nitrobenzene	7.30	77	538309	44.02	ng	# 94
25) Isophorone	7.55	82	1087646	48.98	ng	# 96
26) 2-Nitrophenol	7.62	139	297604	49.34	ng	# 86
27) 2,4-Dimethylphenol	7.66	122	483963	46.13	ng	# 96
28) bis(2-Chloroethoxy)methane	7.76	93	655146	49.73	ng	# 99
29) 2,4-Dichlorophenol	7.87	162	478235	53.28	ng	# 93
30) 1,2,4-Trichlorobenzene	7.94	180	470081	46.37	ng	# 97
31) Naphthalene	8.02	128	1463533	45.35	ng	# 99
32) Benzoic acid	7.74	122	17891	2.67	ng	# 83
33) 4-Chloroaniline	8.08	127	315159	23.62	ng	# 96
34) Hexachlorobutadiene	8.14	225	292413	50.02	ng	# 99
35) Caprolactam	8.45	113	79256	28.65	ng	# 57
36) 4-Chloro-3-methylphenol	8.58	107	541523	52.88	ng	# 96
37) 2-Methylnaphthalene	8.72	142	1093482	54.14	ng	# 98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	421576	43.37	ng	# 98
40) Hexachlorocyclopentadiene	8.86	237	408535	90.41	ng	# 98

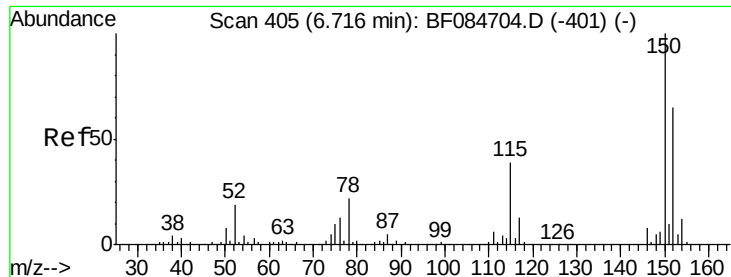
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.00	196	334797	53.46	ng	94
43) 2,4,5-Trichlorophenol	9.04	196	289120	45.44	ng #	80
45) 1,1'-Biphenyl	9.18	154	1291992	47.26	ng	96
46) 2-Chloronaphthalene	9.21	162	945608	46.97	ng #	85
47) 2-Nitroaniline	9.30	65	281979	44.24	ng	98
48) Acenaphthylene	9.62	152	1484575	48.59	ng	98
49) Dimethylphthalate	9.49	163	1423950	61.09	ng #	91
50) 2,6-Dinitrotoluene	9.55	165	259317	50.92	ng #	71
51) Acenaphthene	9.79	154	953583	47.98	ng	96
52) 3-Nitroaniline	9.71	138	161799	28.28	ng	99
53) 2,4-Dinitrophenol	9.82	184	101638	45.91	ng	94
54) Dibenzofuran	9.96	168	1322898	54.46	ng	97
55) 4-Nitrophenol	9.89	139	313201	74.47	ng #	79
56) 2,4-Dinitrotoluene	9.95	165	292549	45.04	ng #	80
57) Fluorene	10.30	166	1031925	50.87	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.08	232	239266	49.40	ng	91
59) Diethylphthalate	10.19	149	1144716	50.29	ng	97
60) 4-Chlorophenyl-phenylether	10.29	204	422244	50.42	ng	94
61) 4-Nitroaniline	10.33	138	232730	41.74	ng	92
62) Azobenzene	10.45	77	1125962	51.44	ng	91
64) 4,6-Dinitro-2-methylphenol	10.36	198	175905	51.78	ng	86
65) n-Nitrosodiphenylamine	10.42	169	914519	52.33	ng	98
66) 4-Bromophenyl-phenylether	10.78	248	317692	52.26	ng #	93
67) Hexachlorobenzene	10.84	284	299572	45.23	ng #	83
68) Atrazine	10.94	200	267791	48.52	ng	98
69) Pentachlorophenol	11.05	266	302735	97.25	ng	98
70) Phenanthrene	11.25	178	1311018	42.95	ng	97
71) Anthracene	11.31	178	1568936	51.01	ng	99
72) Carbazole	11.47	167	1363863	50.85	ng	98
73) Di-n-butylphthalate	11.80	149	1458825	42.72	ng #	96
74) Fluoranthene	12.44	202	1506614	48.76	ng	94
76) Benzidine	12.57	184	535848	45.94	ng	98
77) Pyrene	12.67	202	1449033	55.87	ng	99
79) Butylbenzylphthalate	13.30	149	625139	53.13	ng #	82
80) Benzo(a)anthracene	13.85	228	984282	46.81	ng	99
81) 3,3'-Dichlorobenzidine	13.81	252	180685	24.27	ng #	95
82) Chrysene	13.88	228	918154	45.03	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	798661	54.54	ng #	96
84) Di-n-octyl phthalate	14.46	149	1164110	48.19	ng #	88
85) Indeno(1,2,3-cd)pyrene	16.55	276	970081	60.44	ng	99
87) Benzo(b)fluoranthene	14.89	252	1724001	85.84	ng	99
88) Benzo(k)fluoranthene	14.89	252	1724001	103.81	ng #	95
89) Benzo(a)pyrene	15.19	252	817035	47.74	ng #	97
90) Dibenzo(a,h)anthracene	16.56	278	802127	55.68	ng	99
91) Benzo(g,h,i)perylene	16.95	276	835899	57.60	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

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EP002MSD

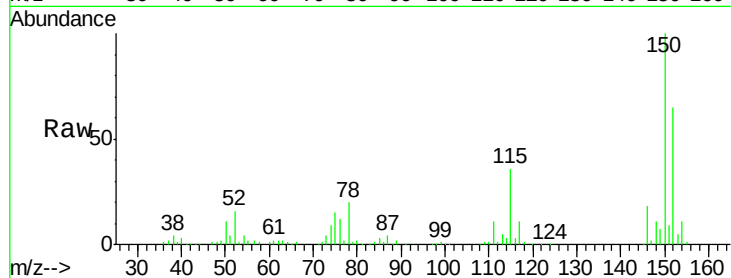
Tgt Ion:152 Resp: 162457

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

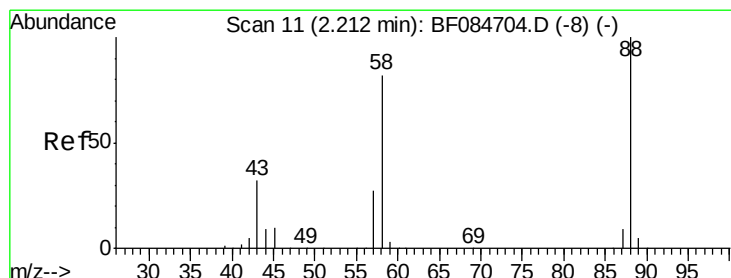
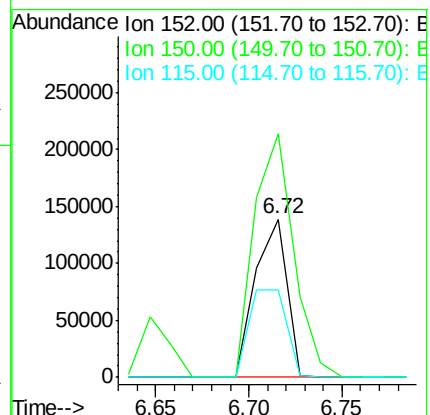
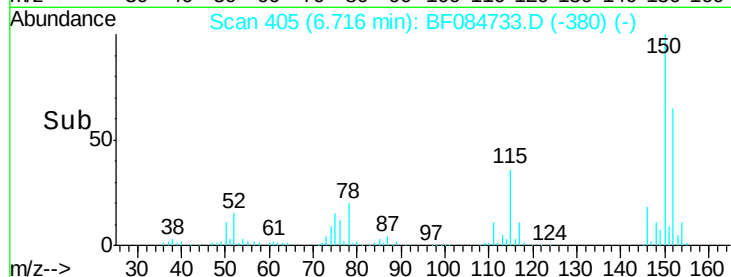
115 55.4 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.24 ng

RT: 2.27 min Scan# 16

Delta R.T. 0.05 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

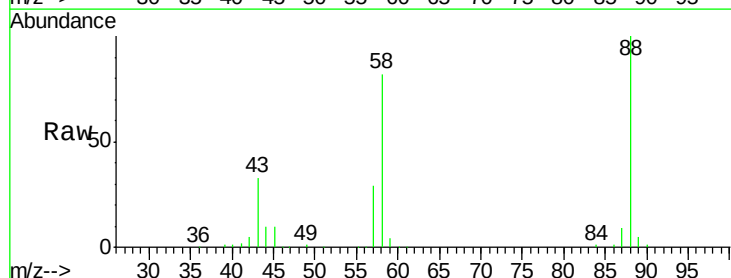
Tgt Ion: 88 Resp: 183822

Ion Ratio Lower Upper

88 100

58 86.6 51.2 76.8#

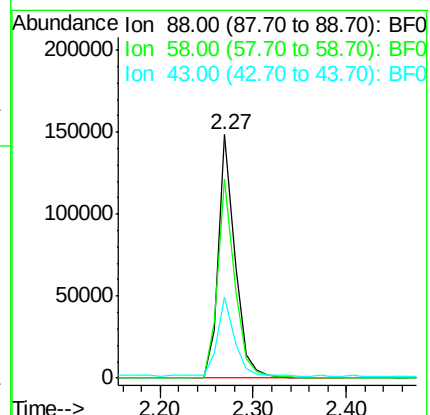
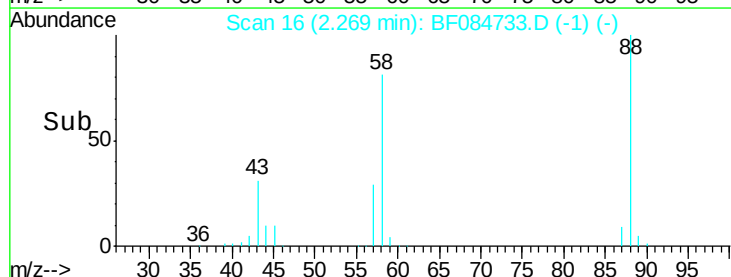
43 34.7 19.5 29.3#

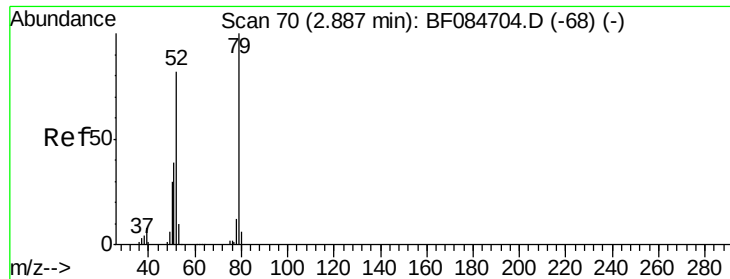


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 48.02 ng

RT: 2.93 min Scan# 74

Delta R.T. 0.02 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

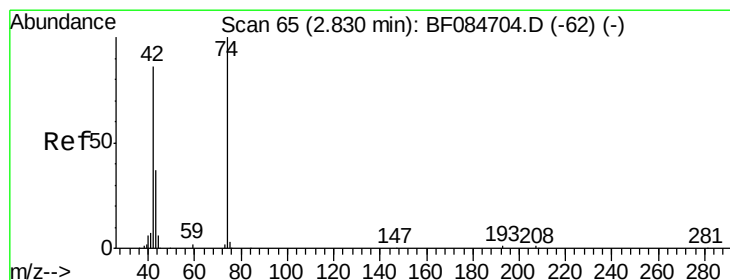
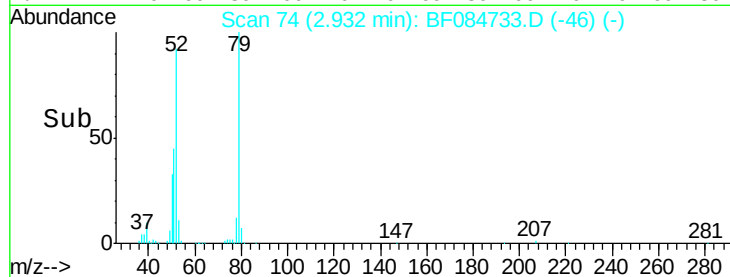
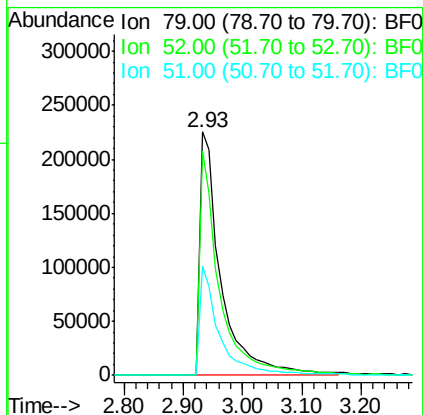
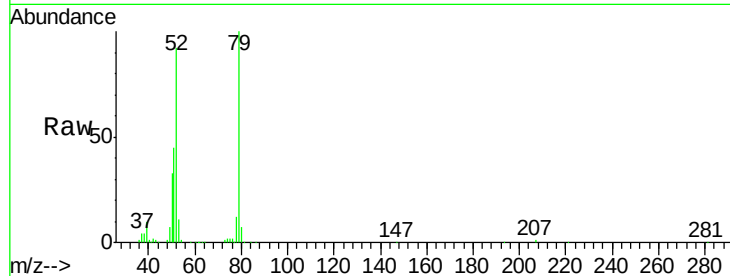
Tgt Ion: 79 Resp: 571631

Ion Ratio Lower Upper

79 100

52 92.4 49.0 73.4#

51 45.1 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 48.26 ng

RT: 2.90 min Scan# 71

Delta R.T. 0.05 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

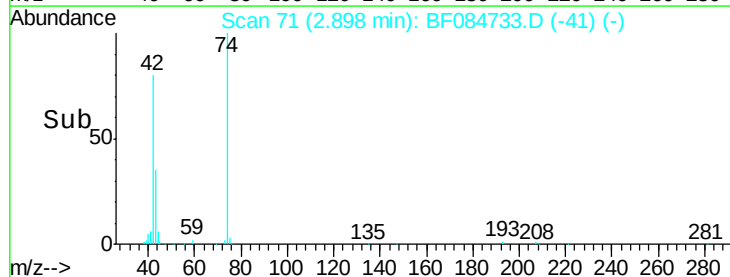
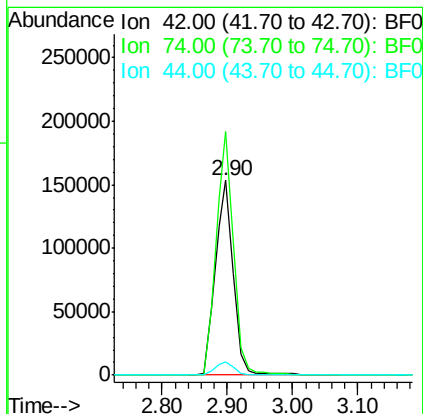
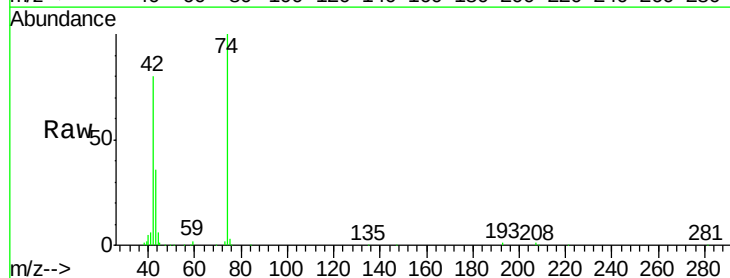
Tgt Ion: 42 Resp: 297083

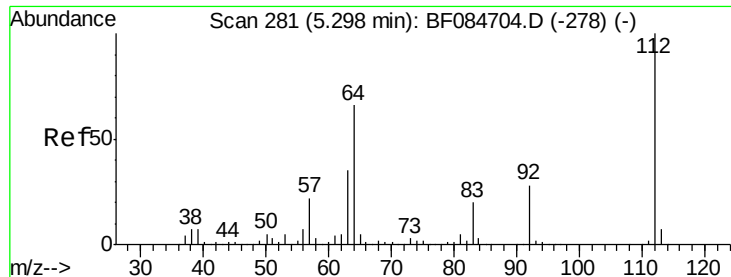
Ion Ratio Lower Upper

42 100

74 125.1 115.7 173.5

44 7.0 5.1 7.7





#5

2-Fluorophenol

Concen: 148.97 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

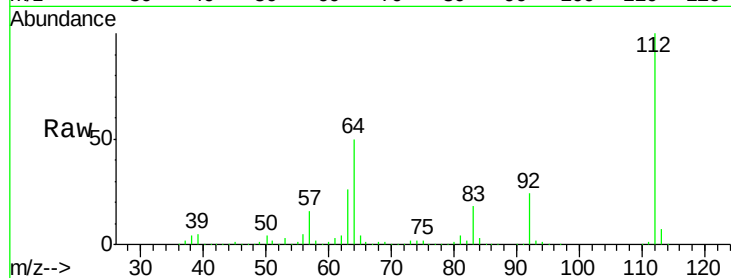
Tgt Ion: 112 Resp: 1553737

Ion Ratio Lower Upper

112 100

64 50.1 36.6 55.0

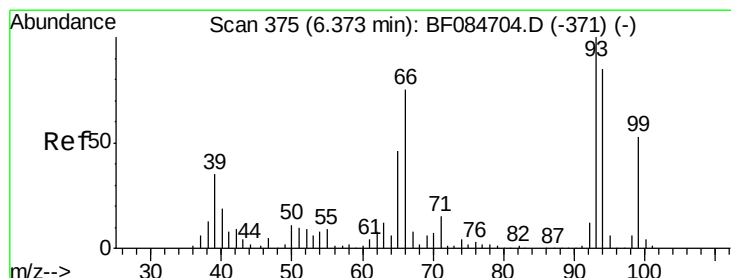
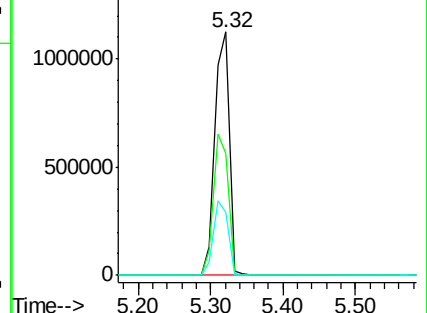
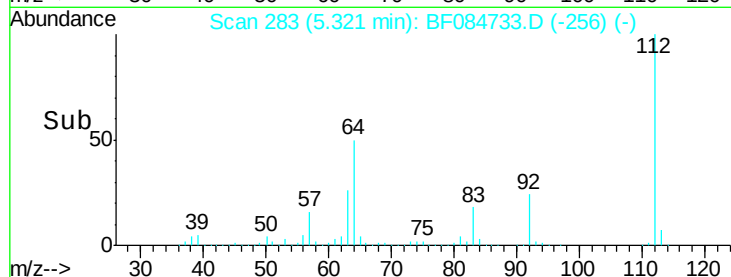
63 25.8 19.4 29.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 33.13 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

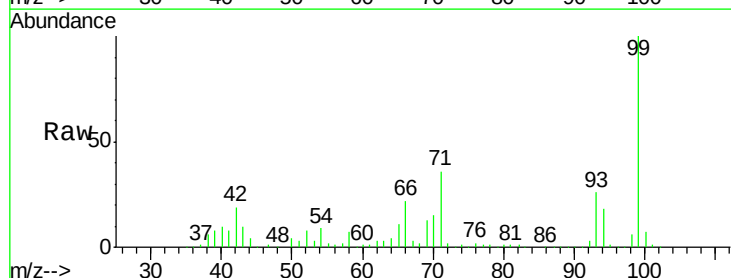
Tgt Ion: 93 Resp: 524199

Ion Ratio Lower Upper

93 100

66 84.7 44.9 67.3#

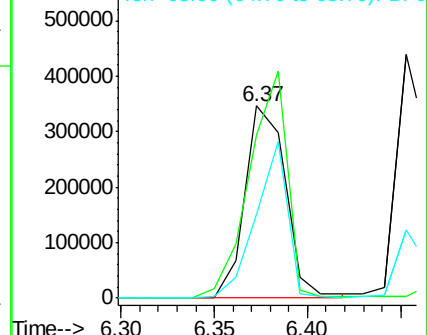
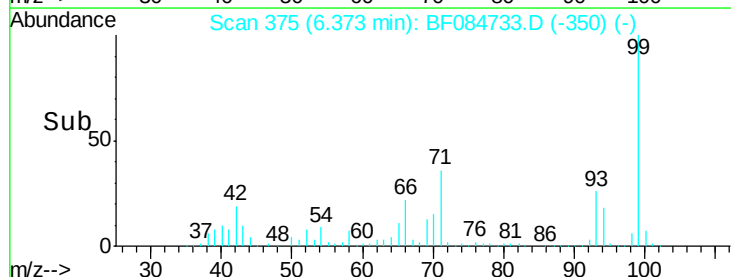
65 43.6 23.7 35.5#

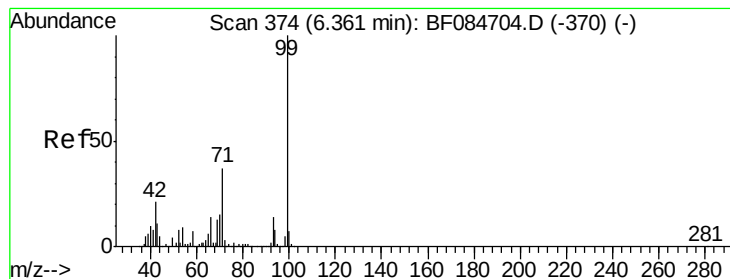


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 148.57 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

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ClientSampleId :

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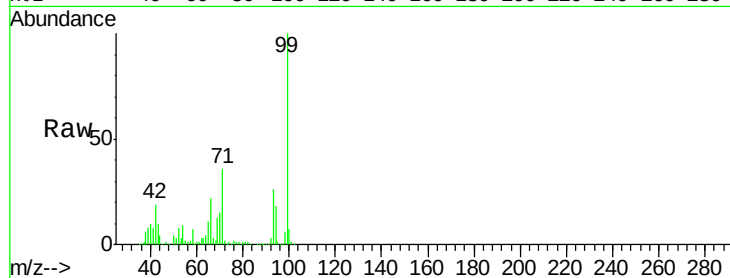
Tgt Ion: 99 Resp: 1921036

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

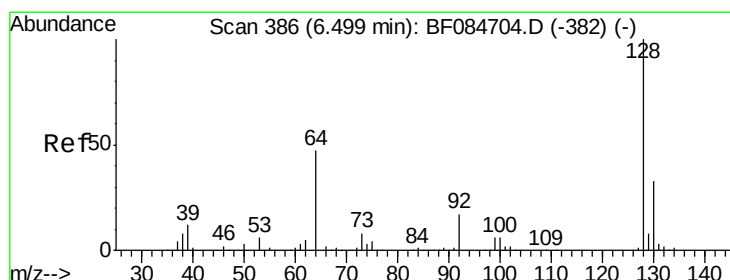
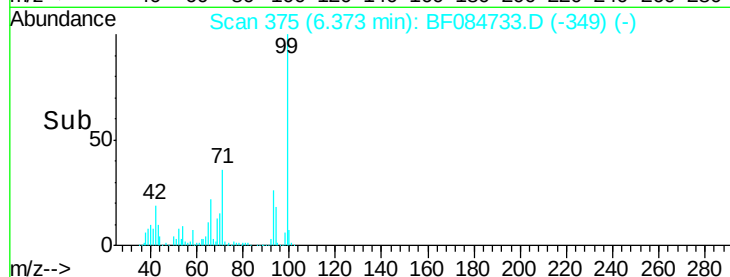
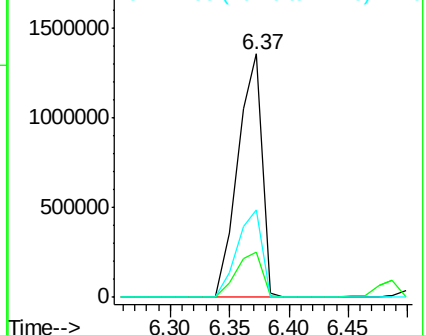
71 35.8 30.9 46.3



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: 46.08 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

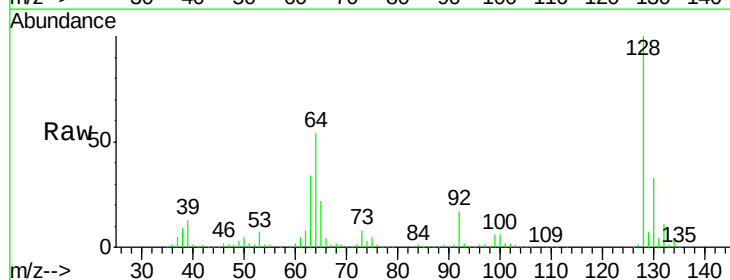
Tgt Ion: 128 Resp: 544028

Ion Ratio Lower Upper

128 100

130 32.8 11.6 51.6

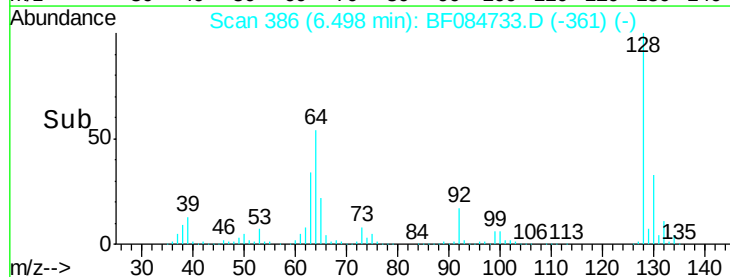
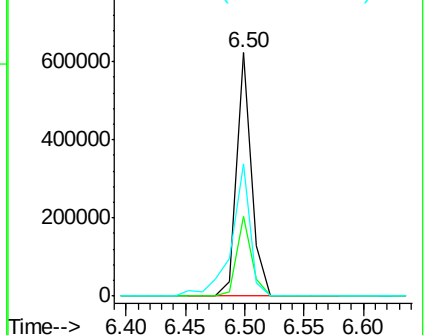
64 54.4 23.8 63.8

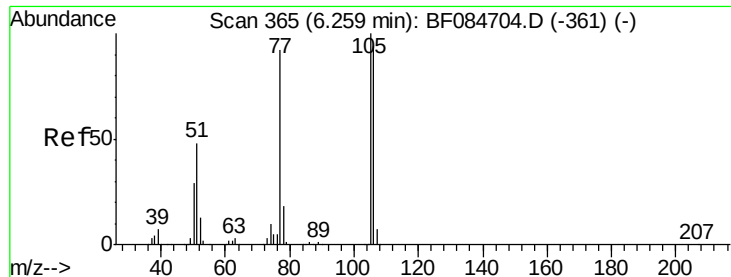


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 33.58 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

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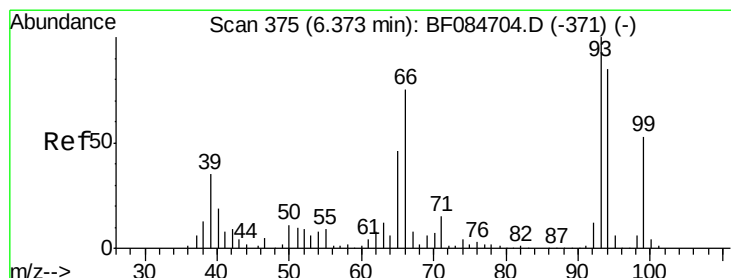
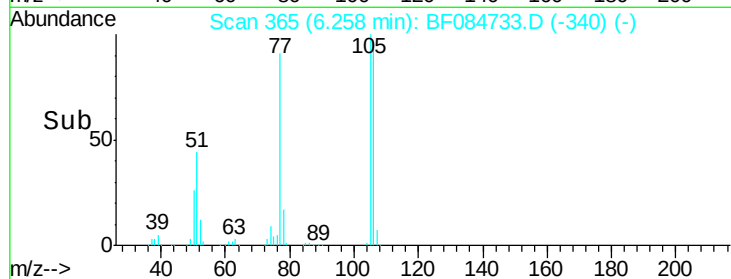
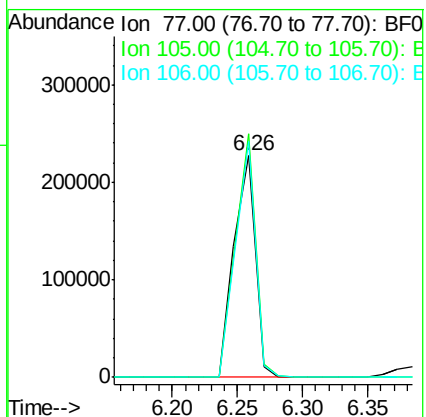
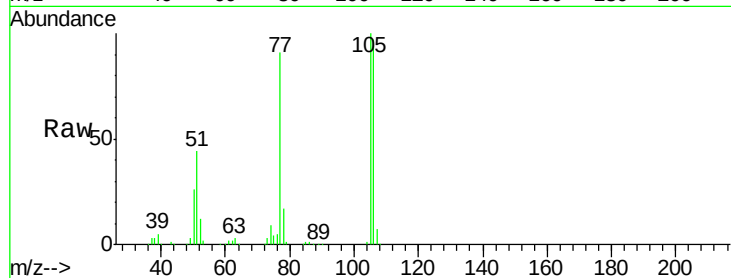
Tgt Ion: 77 Resp: 256386

Ion Ratio Lower Upper

77 100

105 110.0 83.0 123.0

106 106.3 74.6 114.6



#10

Phenol

Concen: 54.44 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

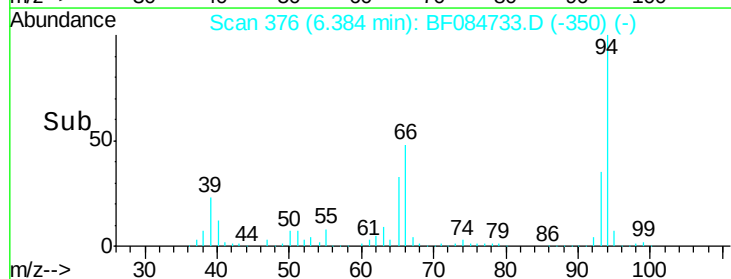
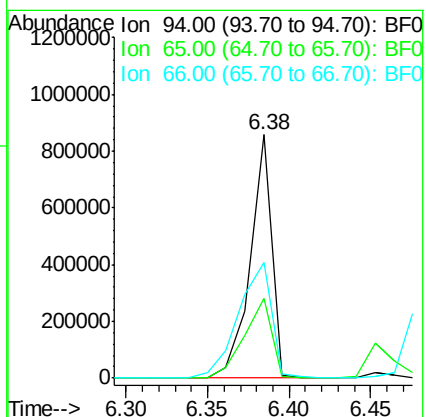
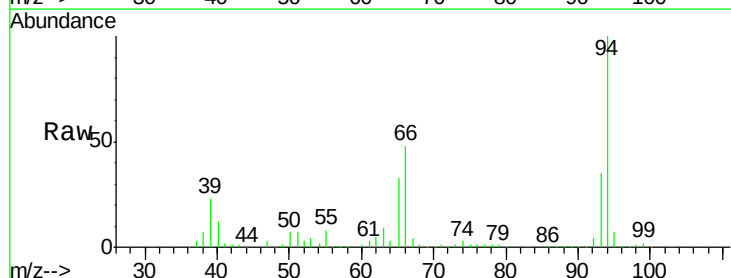
Tgt Ion: 94 Resp: 788506

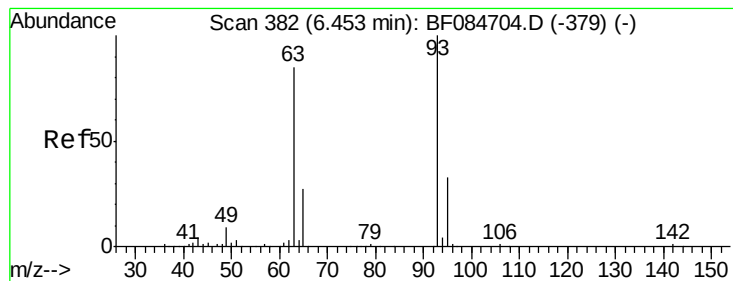
Ion Ratio Lower Upper

94 100

65 32.9 12.9 52.9

66 47.7 32.7 72.7

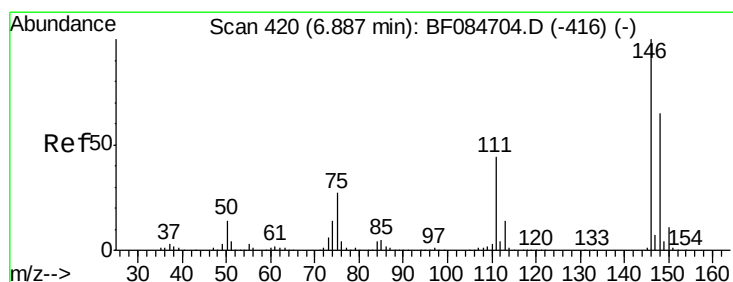
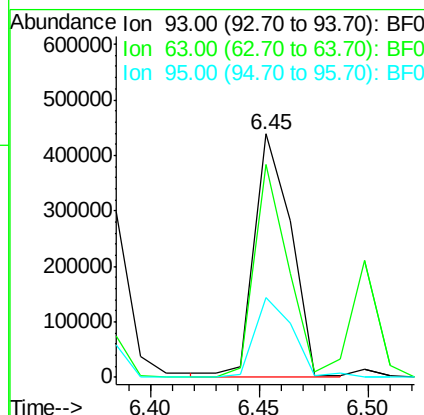
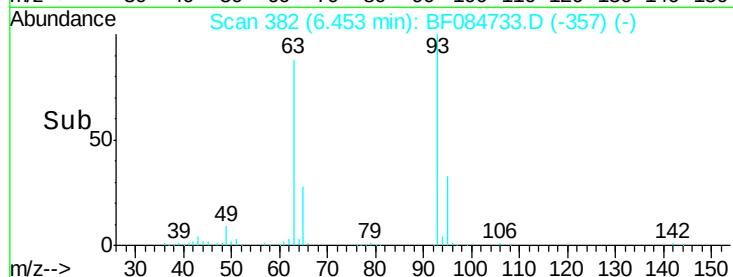
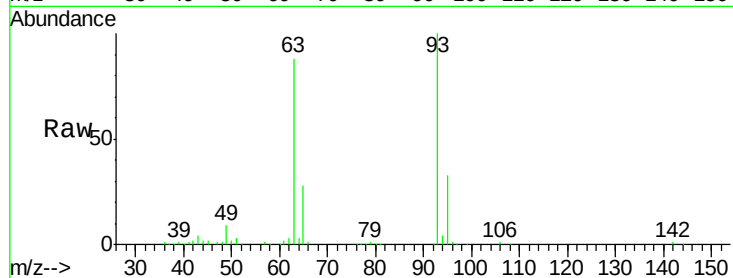




#11
bis(2-Chloroethyl)ether
Concen: 45.79 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

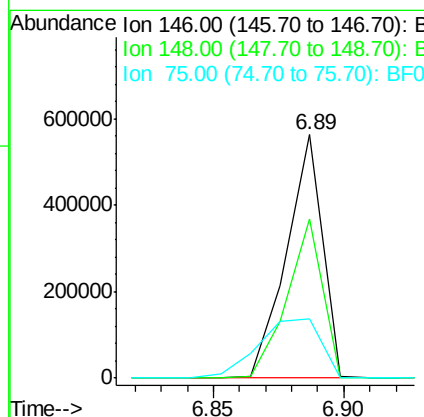
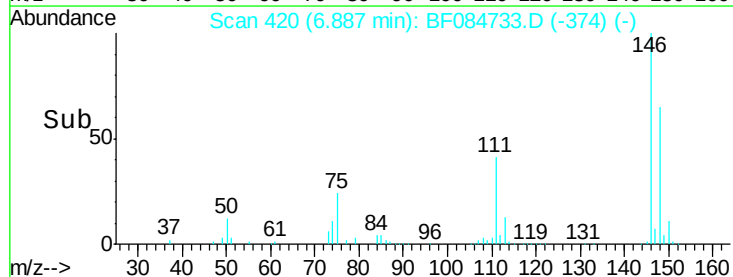
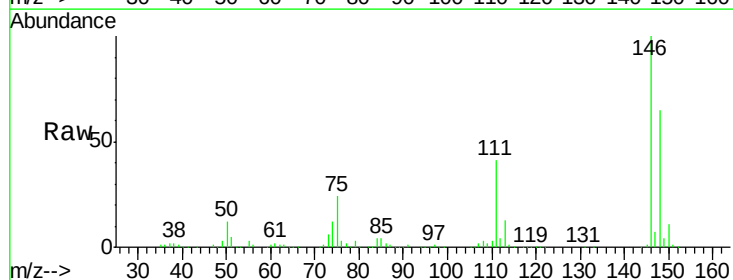
Instrument :
BNA_F
ClientSampleId :
EP002MSD

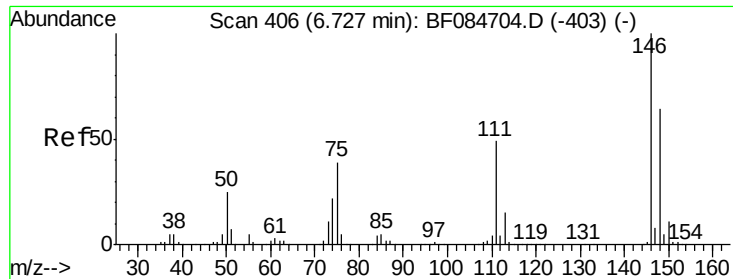
Tgt Ion: 93 Resp: 517210
Ion Ratio Lower Upper
93 100
63 87.6 45.9 85.9#
95 32.9 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 43.19 ng
RT: 6.89 min Scan# 420
Delta R.T. 0.23 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion: 146 Resp: 538663
Ion Ratio Lower Upper
146 100
148 65.4 51.9 77.9
75 24.5 20.5 30.7

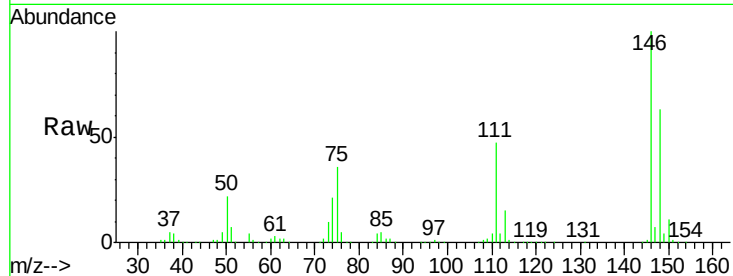




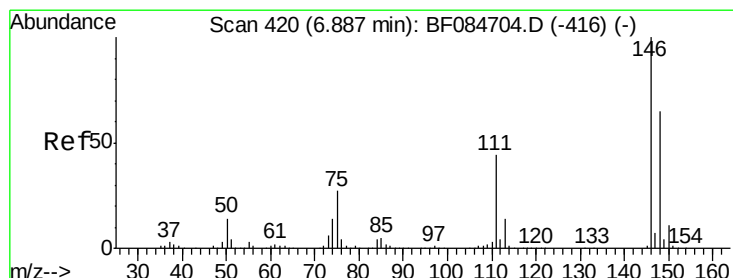
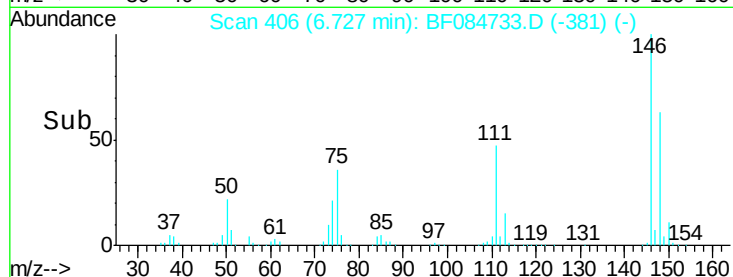
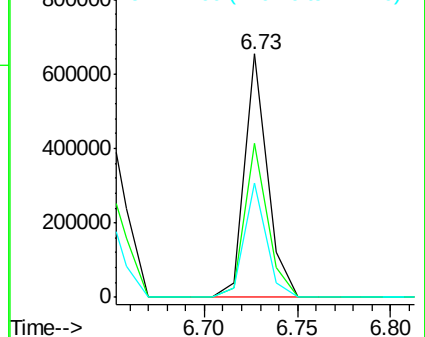
#13
 1,4-Dichlorobenzene
 Concen: 44.78 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:146 Resp: 558314
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 111 47.0 41.6 62.4

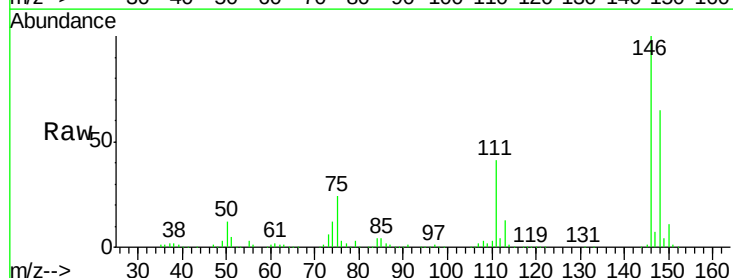


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

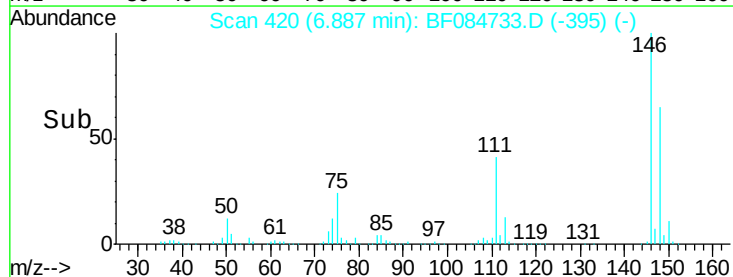
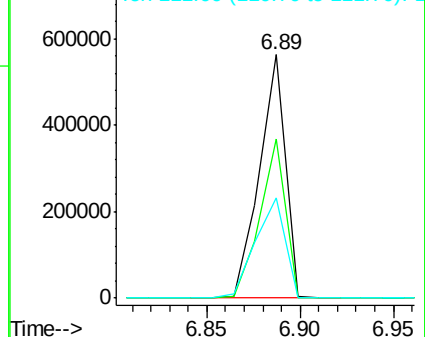


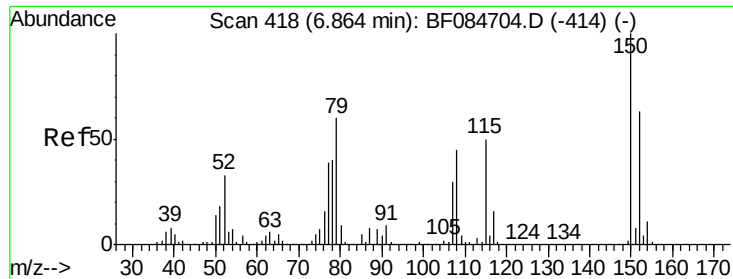
#14
 1,2-Dichlorobenzene
 Concen: 46.38 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:146 Resp: 538596
 Ion Ratio Lower Upper
 146 100
 148 65.4 51.6 77.4
 111 41.2 38.0 57.0



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

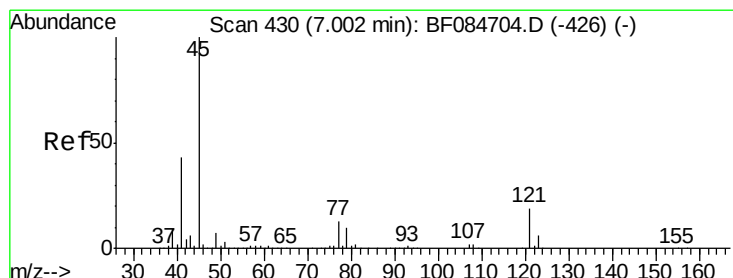
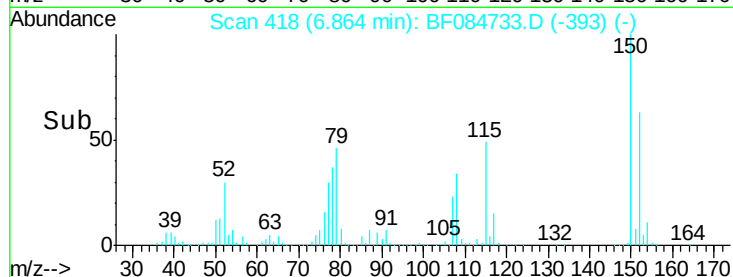
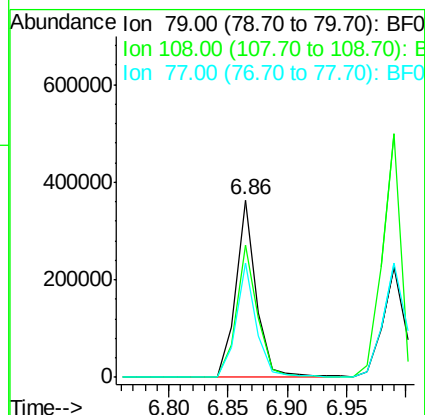
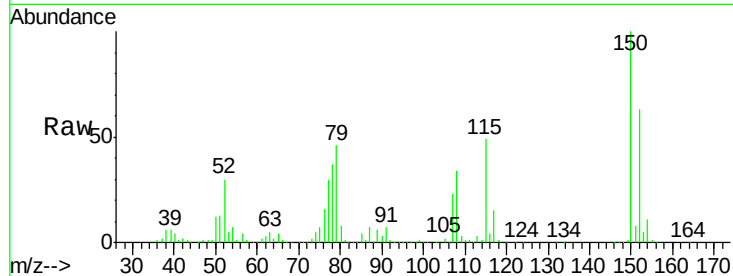




#15
Benzyl Alcohol
Concen: 48.95 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

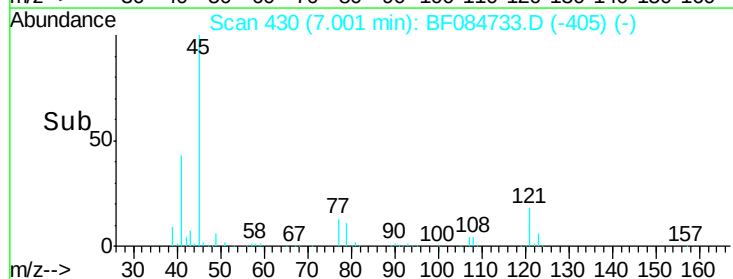
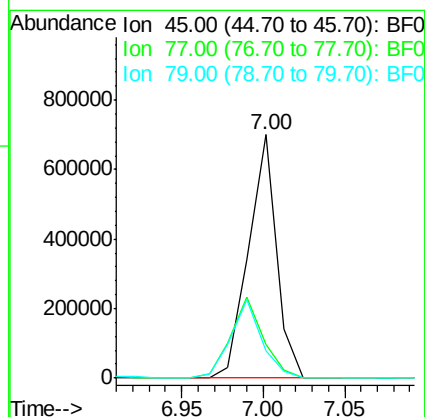
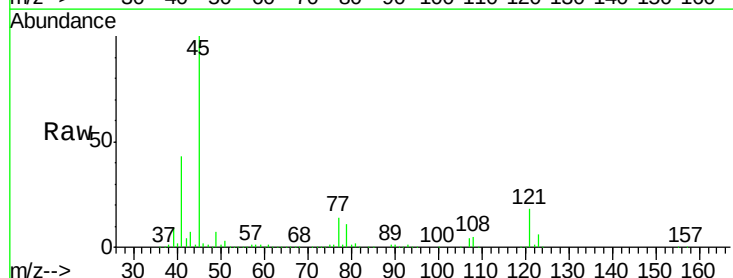
Instrument :
BNA_F
ClientSampleId :
EP002MSD

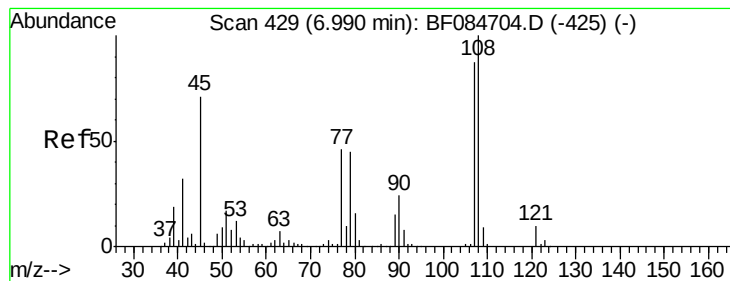
Tgt Ion: 79 Resp: 437062
Ion Ratio Lower Upper
79 100
108 74.2 69.0 103.4
77 64.7 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.66 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion: 45 Resp: 829531
Ion Ratio Lower Upper
45 100
77 13.7 0.0 39.6
79 11.1 0.0 35.0





#17

2-Methylphenol

Concen: 50.03 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

Tgt Ion:107 Resp: 467124

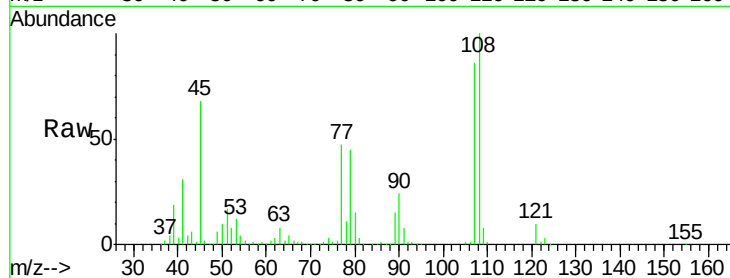
Ion Ratio Lower Upper

107 100

108 116.3 89.8 134.6

77 54.7 35.7 53.5#

79 52.5 35.7 53.5

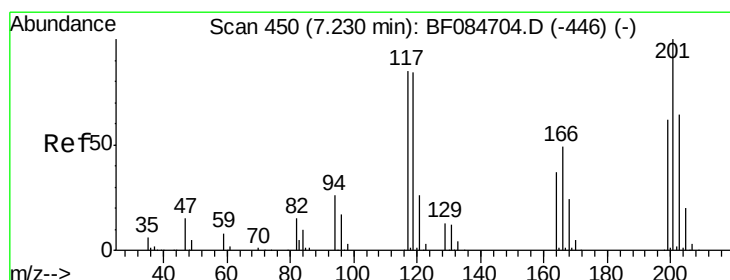
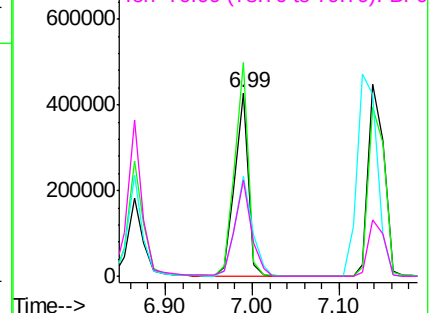
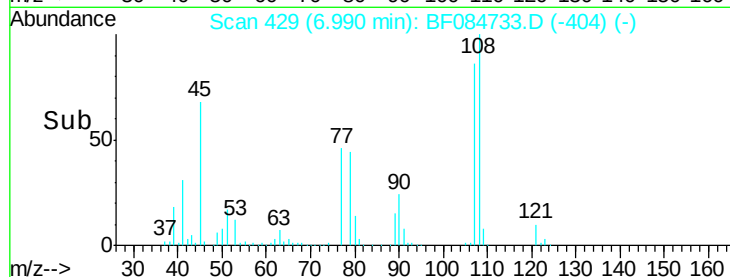


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 46.33 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

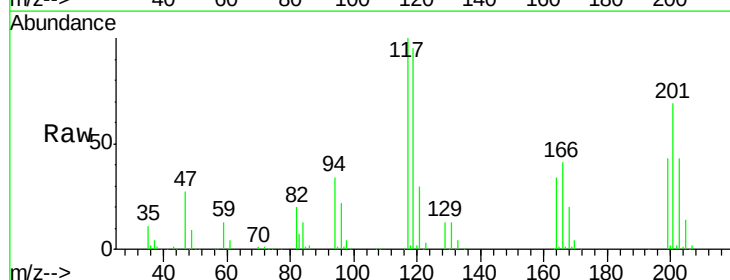
Tgt Ion:117 Resp: 222466

Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0

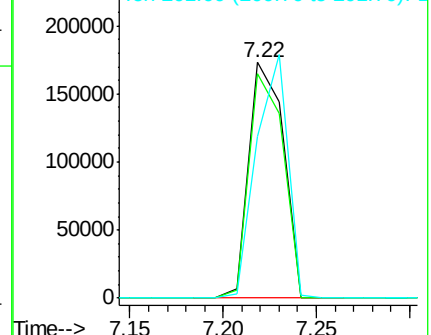
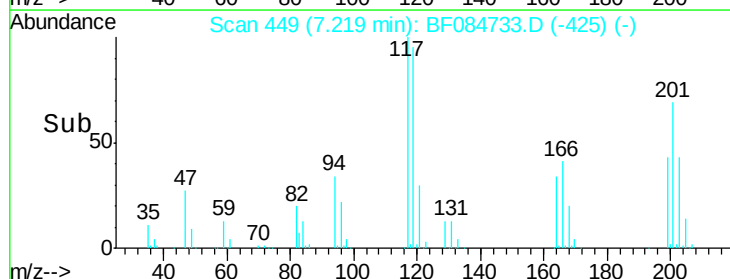
201 68.7 68.6 103.0

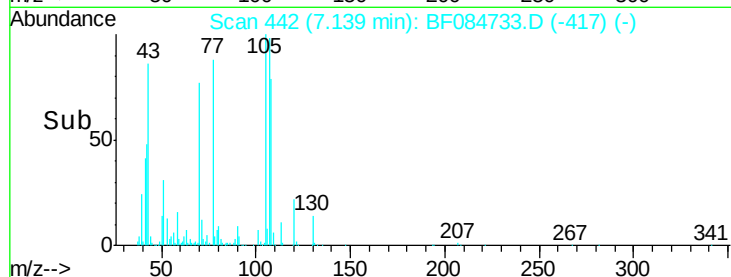
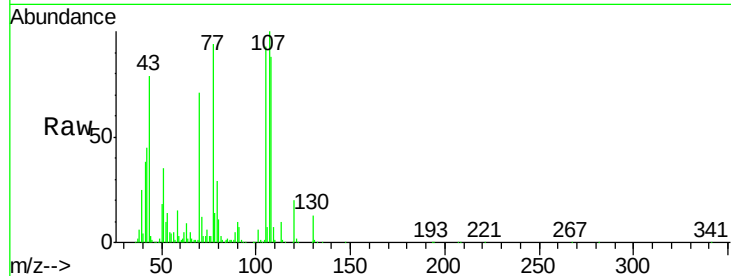
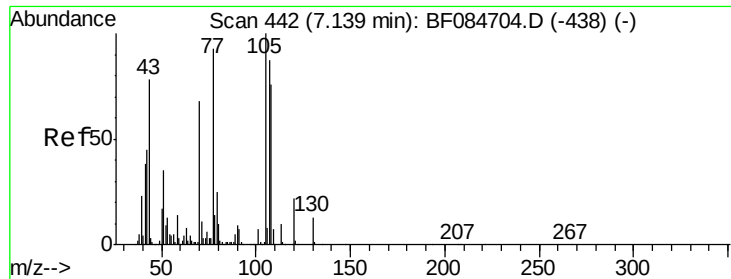


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

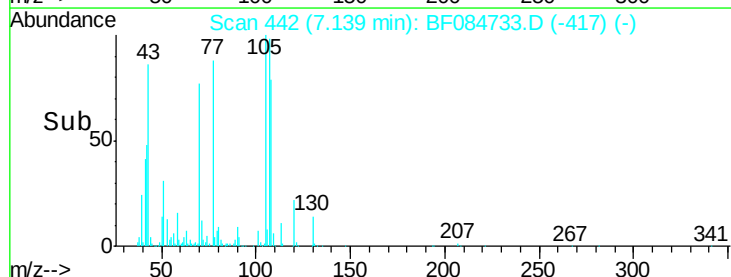
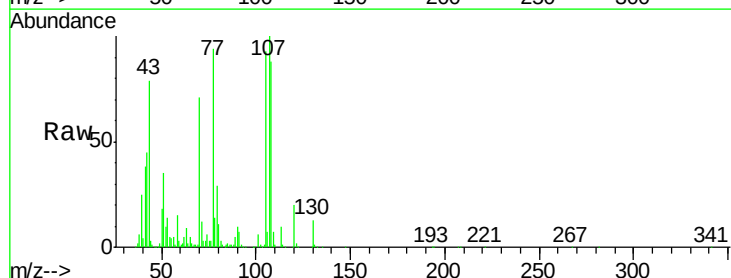
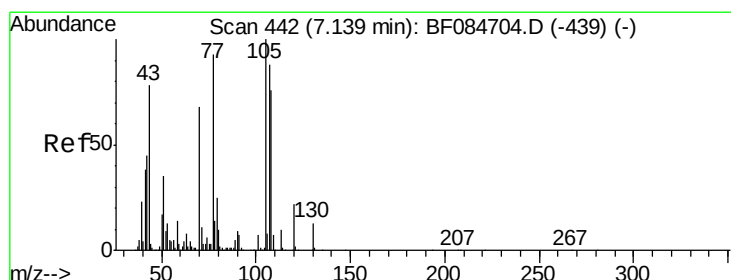
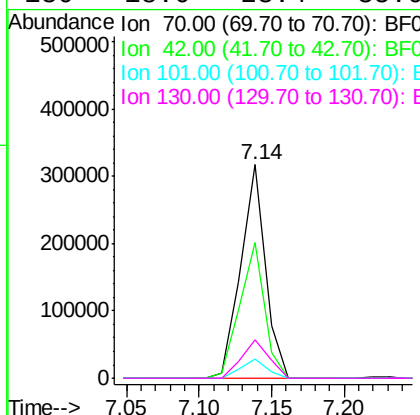




#19
n-Nitroso-di-n-propylamine
Concen: 46.20 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

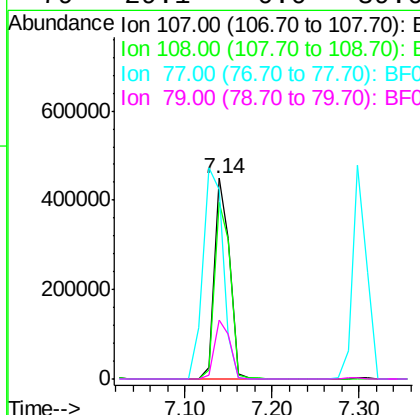
Instrument :
BNA_F
ClientSampleId :
EP002MSD

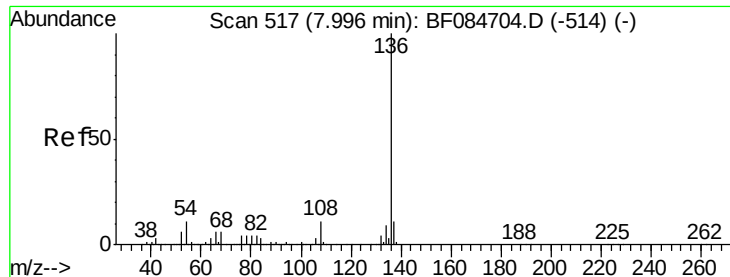
Tgt Ion: 70 Resp: 374424
Ion Ratio Lower Upper
70 100
42 63.7 33.3 49.9#
101 8.8 9.3 13.9#
130 18.0 23.4 35.0#



#20
3+4-Methylphenols
Concen: 48.17 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion: 107 Resp: 558236
Ion Ratio Lower Upper
107 100
108 87.7 74.6 114.6
77 94.5 0.7 40.7#
79 29.1 0.0 39.0

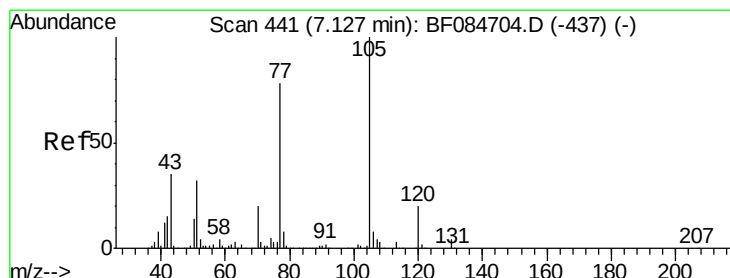
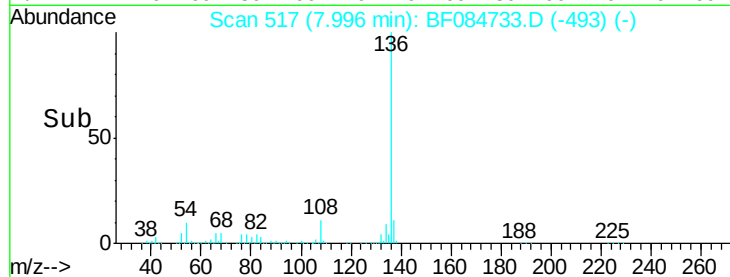
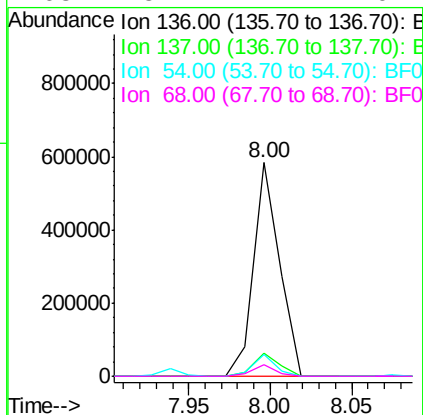
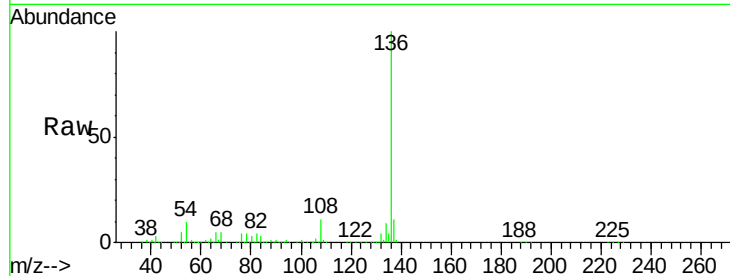




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

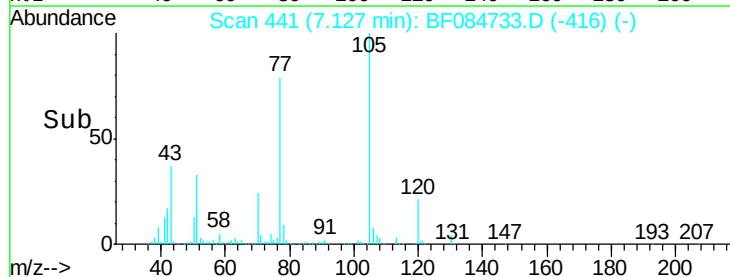
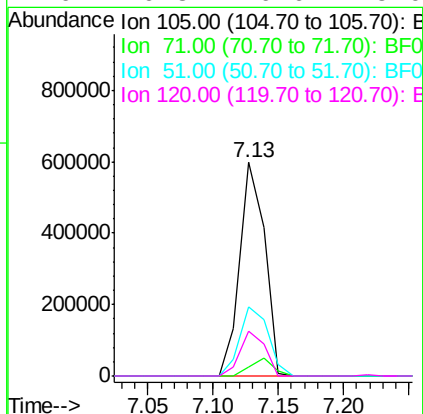
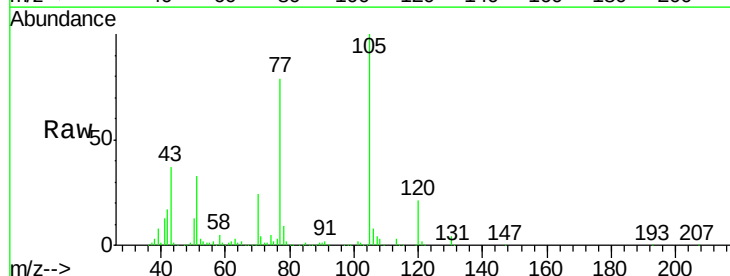
Instrument :
BNA_F
ClientSampleId :
EP002MSD

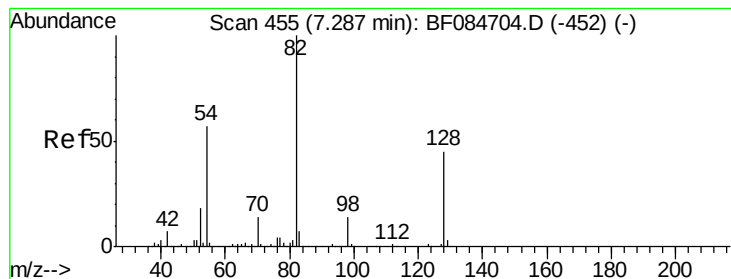
Tgt Ion:	136	Resp:	643314
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.0	5.8	8.8#
68	5.4	4.2	6.2



#22
Acetophenone
Concen: 46.80 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion:	105	Resp:	793514
Ion	Ratio	Lower	Upper
105	100		
71	4.1	3.7	5.5
51	32.7	25.1	37.7
120	20.8	16.6	25.0





#23

Nitrobenzene-d5

Concen: 107.14 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

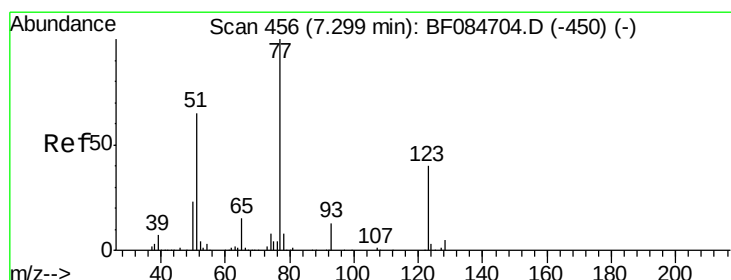
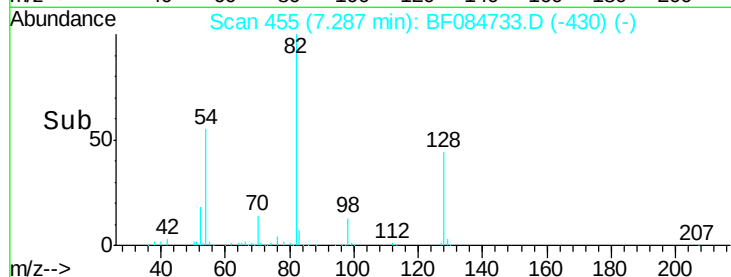
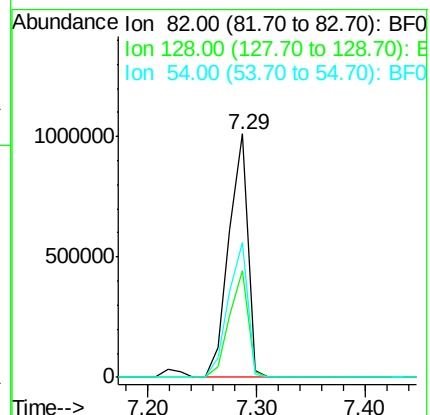
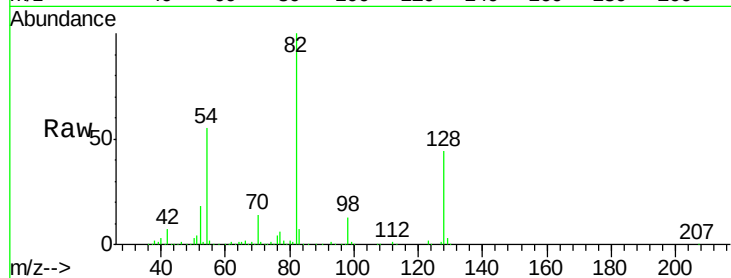
Tgt Ion: 82 Resp: 1223543

Ion Ratio Lower Upper

82 100

128 44.0 34.6 51.8

54 55.3 38.4 57.6



#24

Nitrobenzene

Concen: 44.02 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

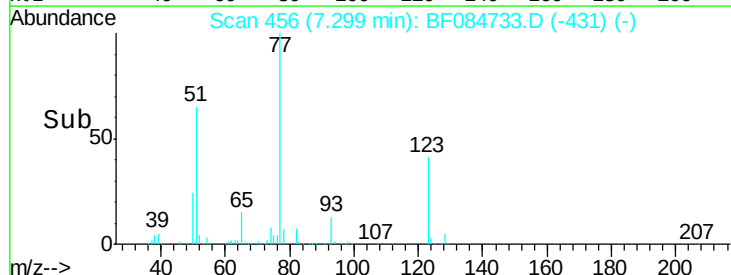
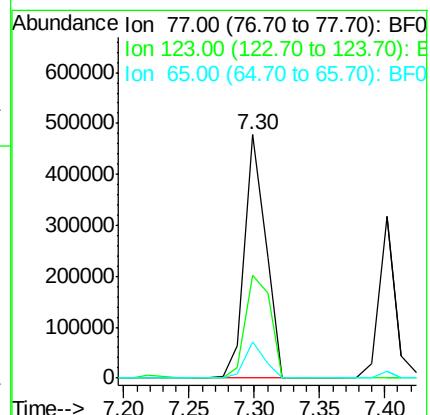
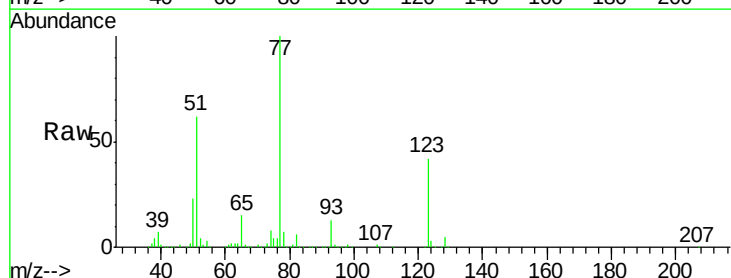
Tgt Ion: 77 Resp: 538309

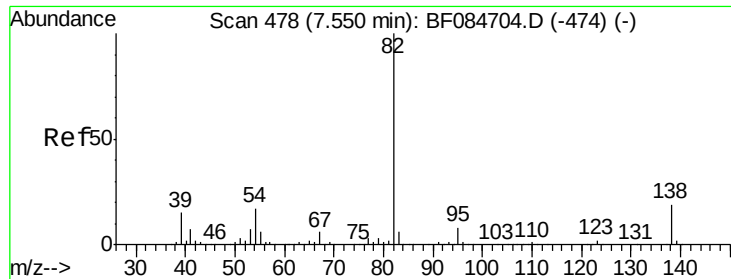
Ion Ratio Lower Upper

77 100

123 42.1 37.4 56.2

65 14.8 10.9 16.3





#25

Isophorone

Concen: 48.98 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

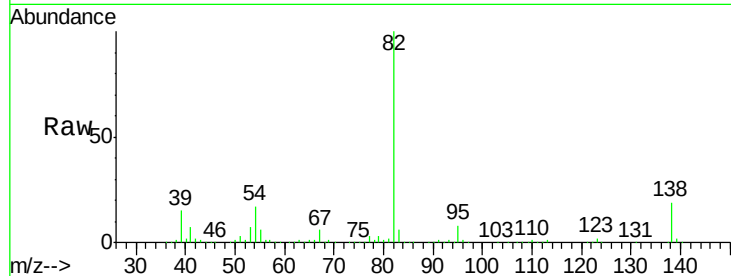
Tgt Ion: 82 Resp: 1087646

Ion Ratio Lower Upper

82 100

95 7.7 6.6 10.0

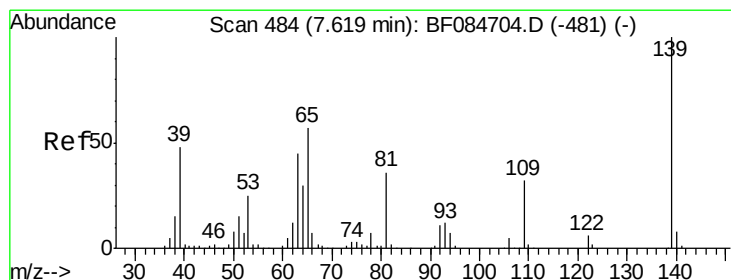
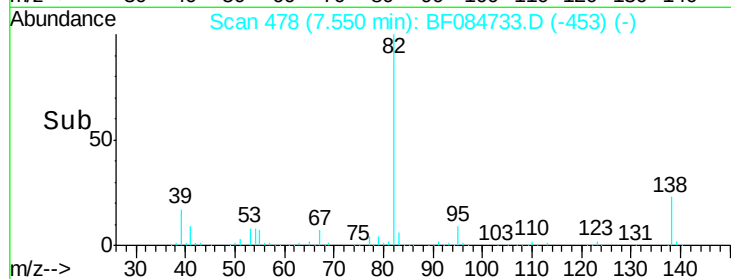
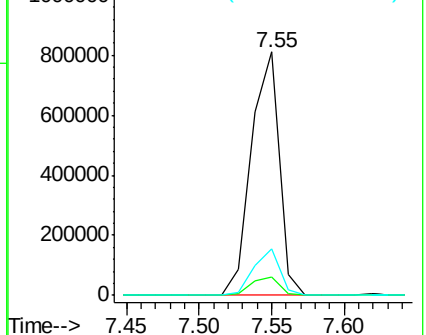
138 19.3 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 49.34 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

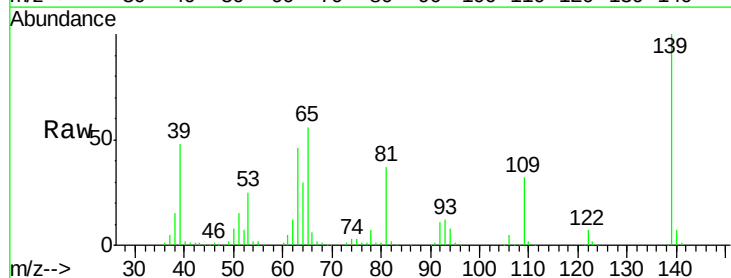
Tgt Ion: 139 Resp: 297604

Ion Ratio Lower Upper

139 100

109 32.0 25.4 38.2

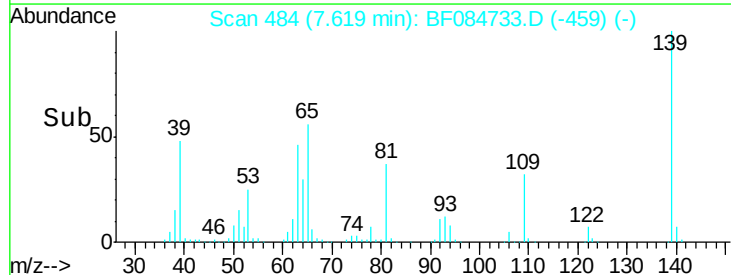
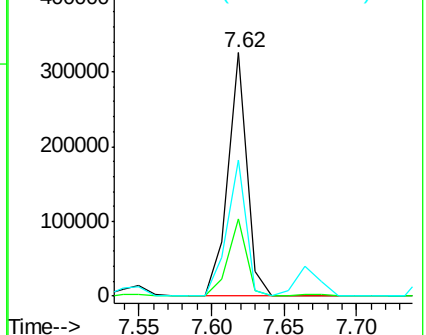
65 55.9 32.3 48.5#

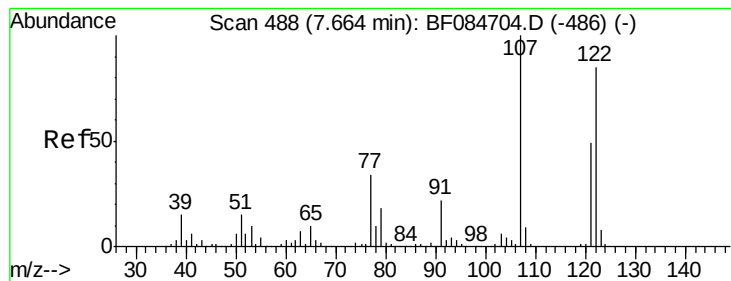


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

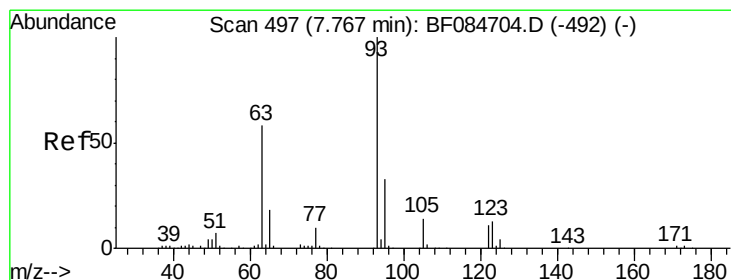
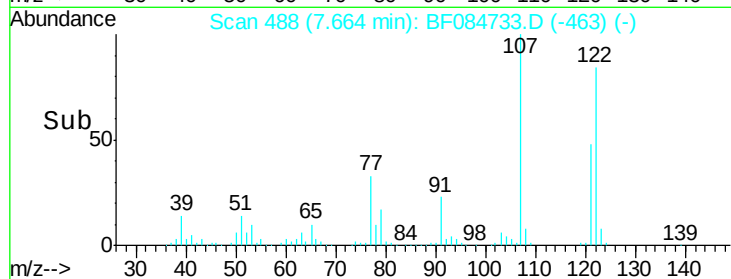
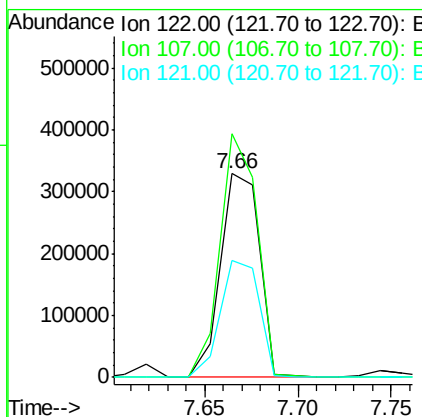
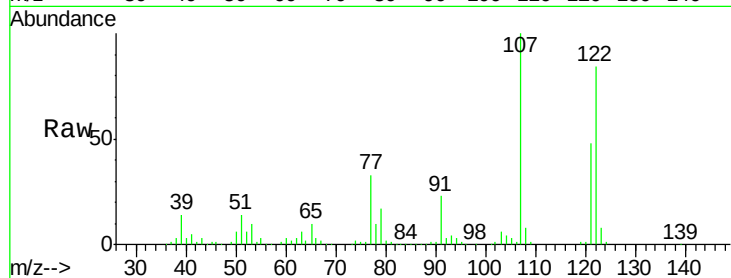




#27
 2,4-Dimethylphenol
 Concen: 46.13 ng
 RT: 7.66 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

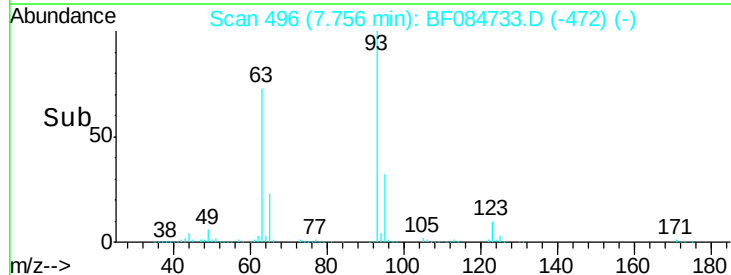
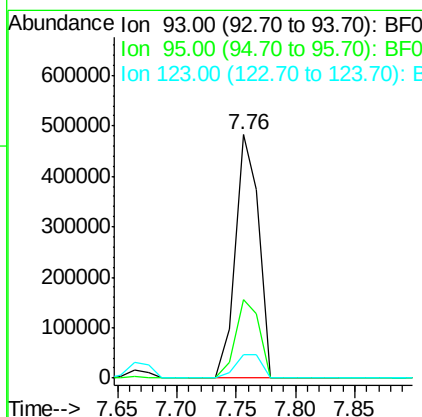
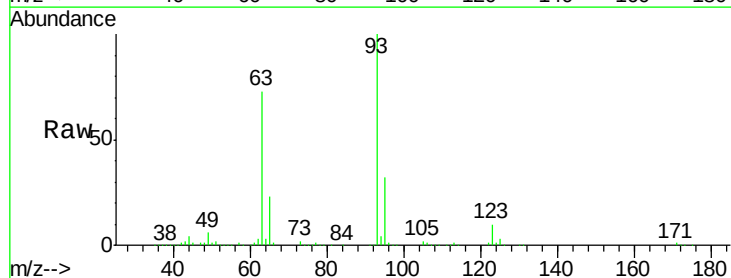
Instrument :
 BNA_F
 ClientSampled :
 EP002MSD

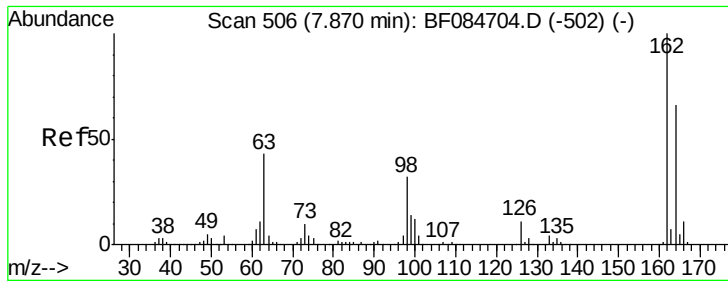
Tgt Ion: 122 Resp: 483963
 Ion Ratio Lower Upper
 122 100
 107 119.4 99.1 148.7
 121 57.1 47.9 71.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.73 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion: 93 Resp: 655146
 Ion Ratio Lower Upper
 93 100
 95 32.1 25.8 38.6
 123 9.8 8.6 12.8

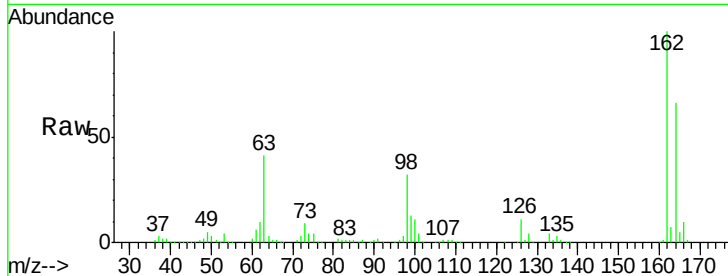




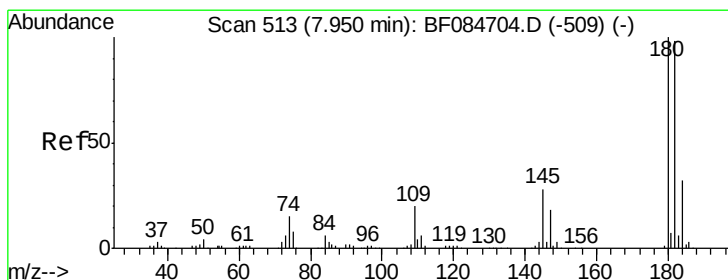
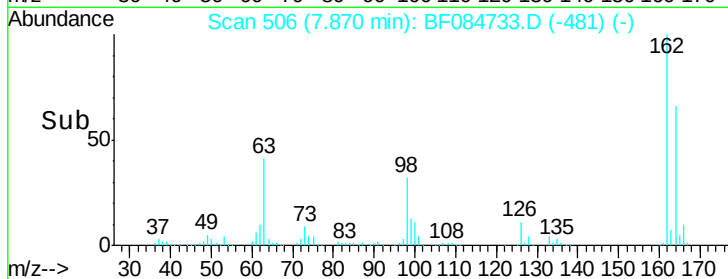
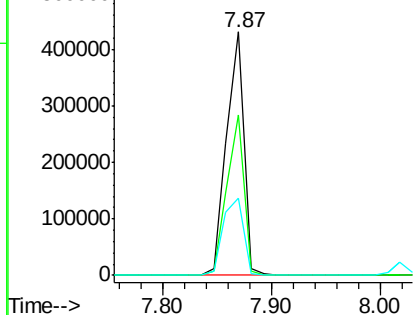
#29
 2,4-Dichlorophenol
 Concen: 53.28 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.1	44.1	84.1
98	31.9	20.2	60.2

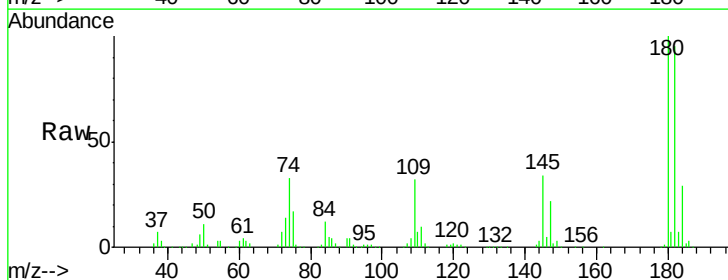


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

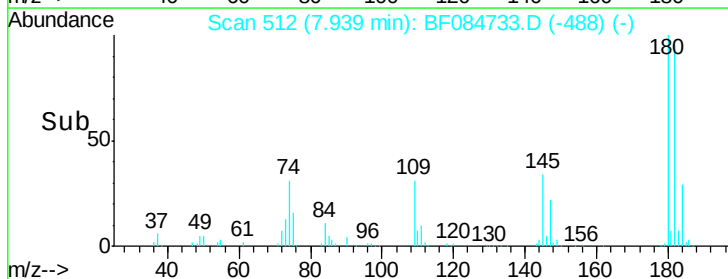
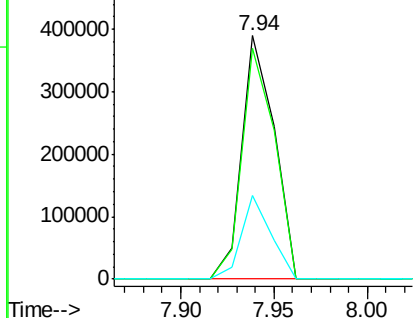


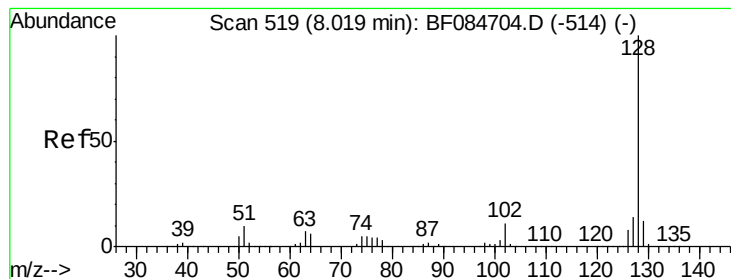
#30
 1,2,4-Trichlorobenzene
 Concen: 46.37 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.4	114.6
145	34.3	31.6	47.4



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





#31

Naphthalene

Concen: 45.35 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

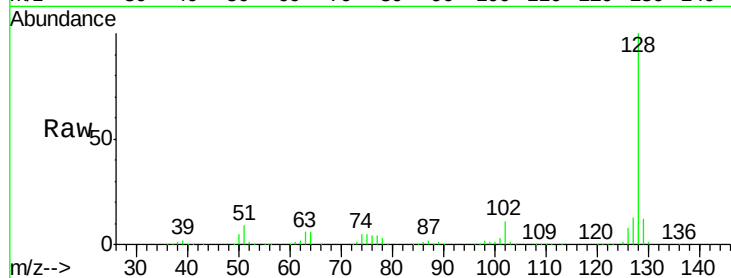
Tgt Ion:128 Resp: 1463533

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

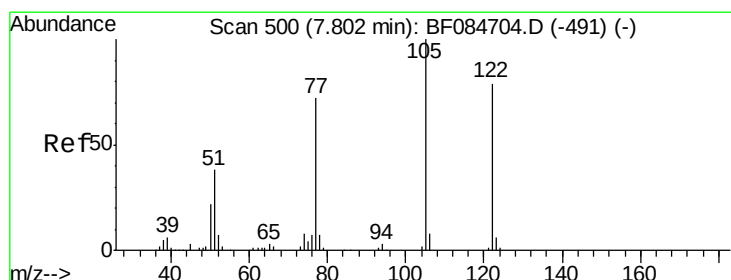
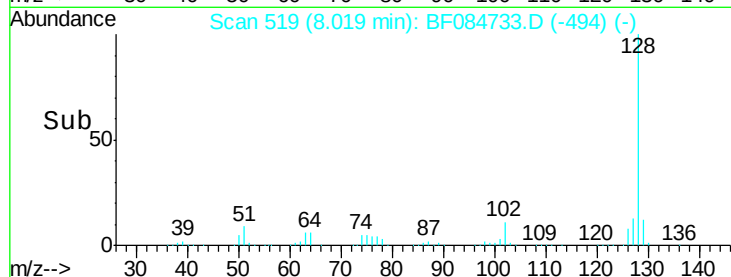
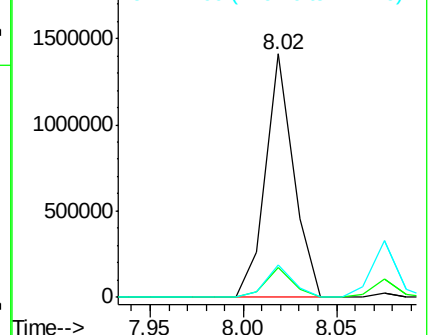
127 13.5 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.67 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.07 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

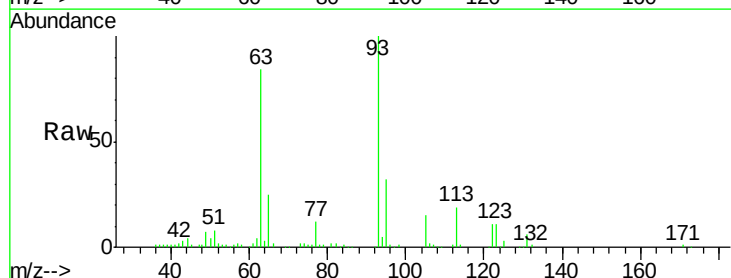
Tgt Ion:122 Resp: 17891

Ion Ratio Lower Upper

122 100

105 132.9 100.3 140.3

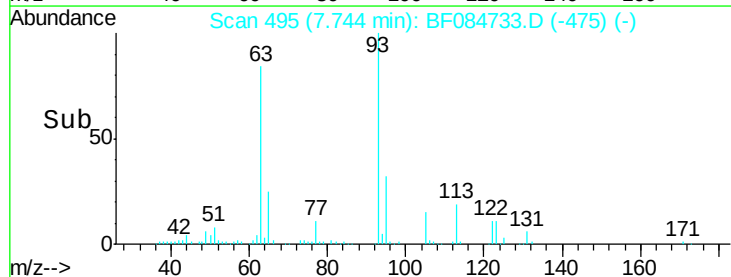
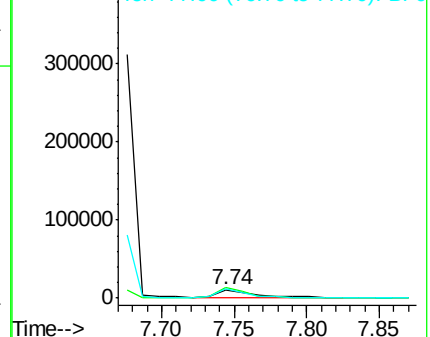
77 105.8 63.5 103.5#

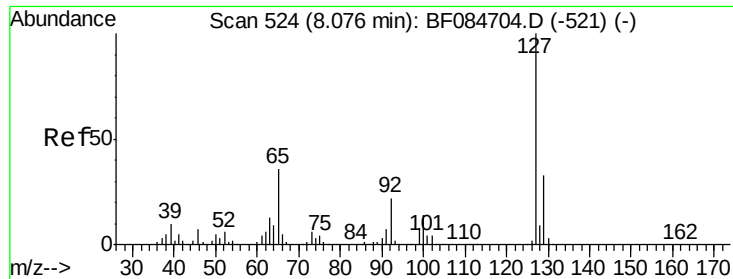


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

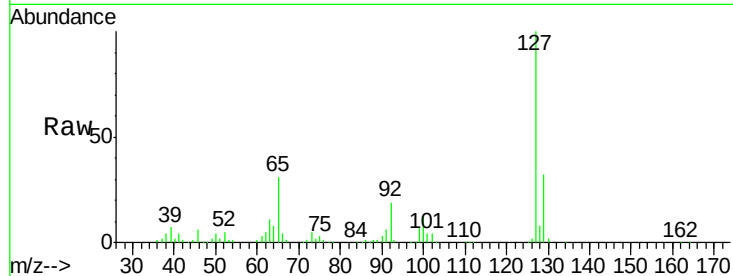




#33
4-Chloroaniline
Concen: 23.62 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Instrument :
BNA_F
ClientSampleId :
EP002MSD

Tgt Ion:	127	Resp:	315159
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	31.0	27.2	40.8
92	19.3	17.7	26.5

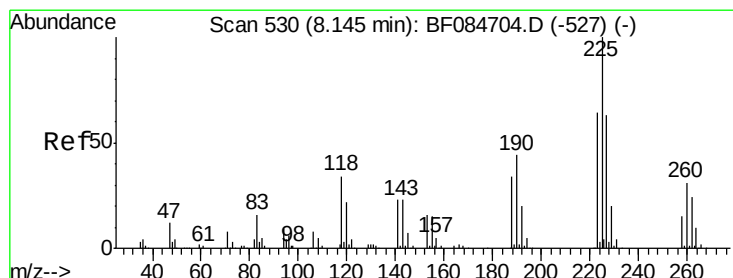
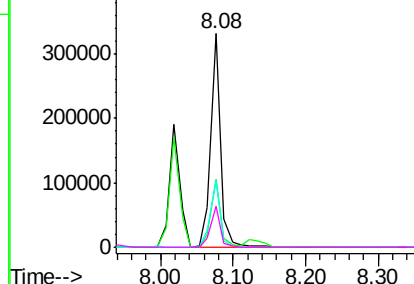
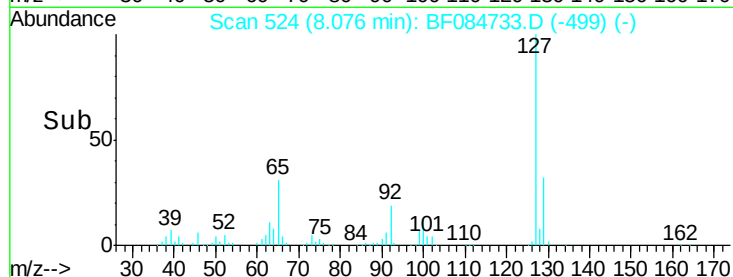


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

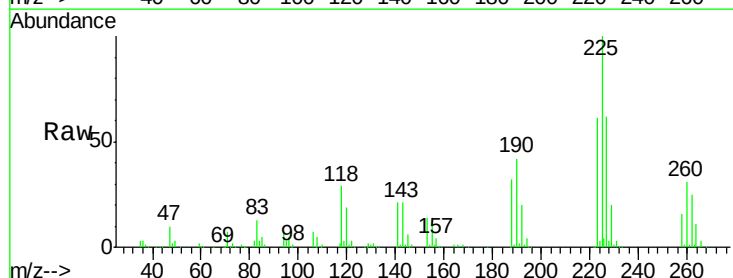
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34
Hexachlorobutadiene
Concen: 50.02 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

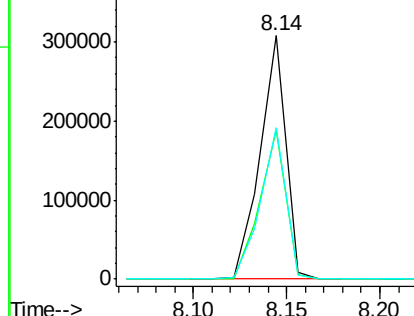
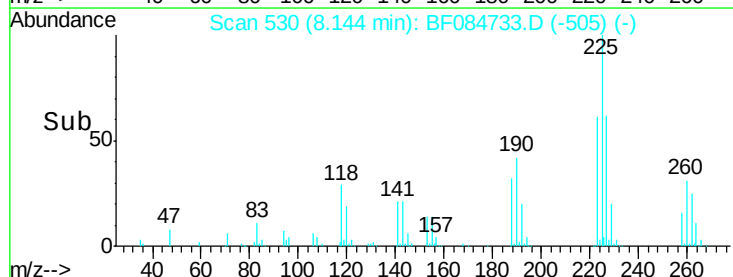
Tgt Ion:	225	Resp:	292413
Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.0
227	62.1	50.8	76.2

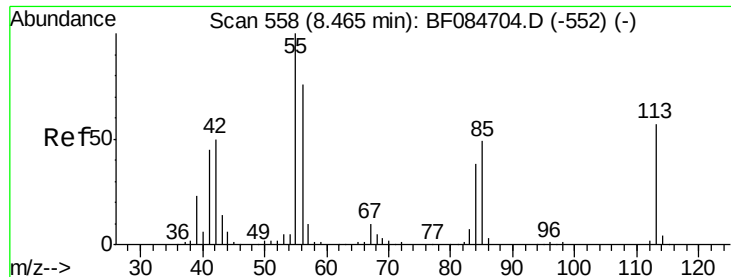


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

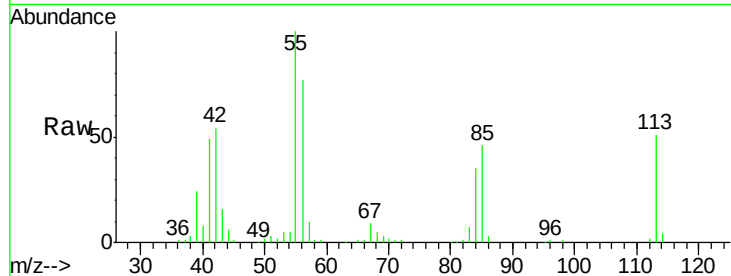




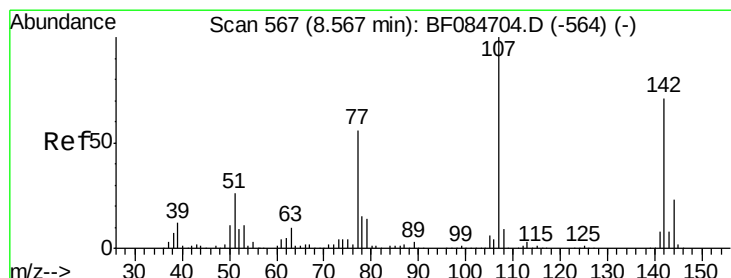
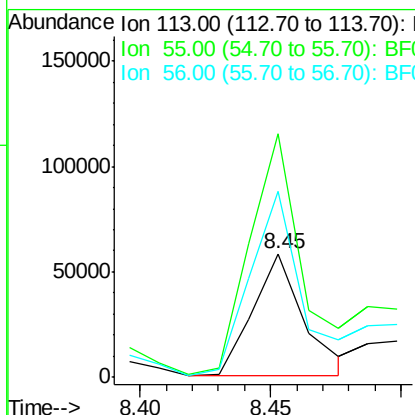
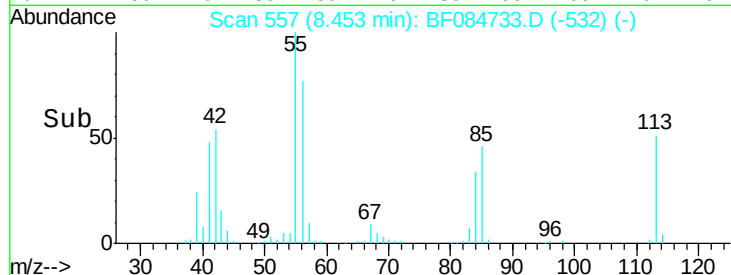
#35
 Caprolactam
 Concen: 28.65 ng
 RT: 8.45 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:113 Resp: 79256
 Ion Ratio Lower Upper
 113 100
 55 197.5 116.9 156.9#
 56 151.3 93.8 133.8#

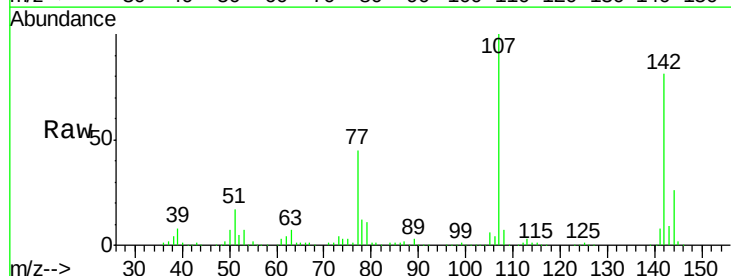


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

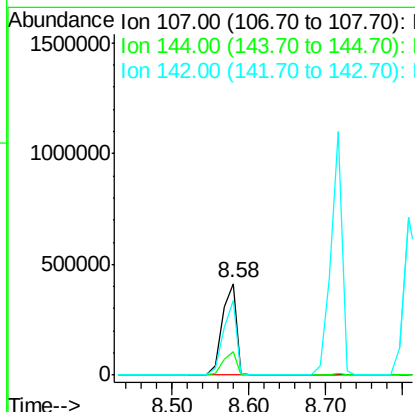
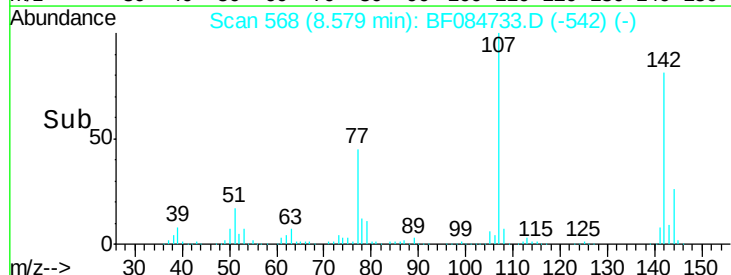


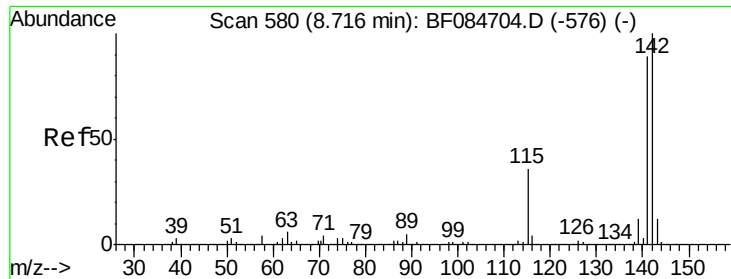
#36
 4-Chloro-3-methylphenol
 Concen: 52.88 ng
 RT: 8.58 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:107 Resp: 541523
 Ion Ratio Lower Upper
 107 100
 144 26.2 19.7 29.5
 142 80.8 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

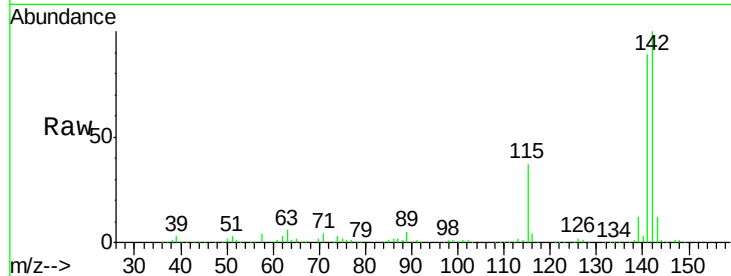




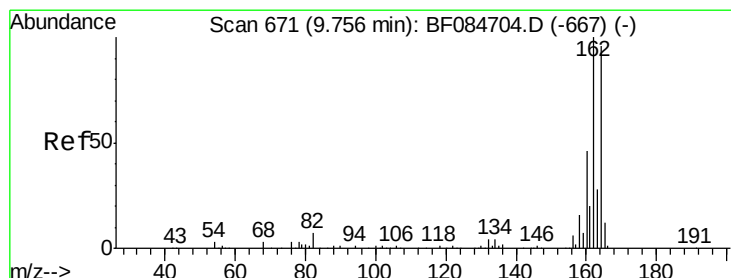
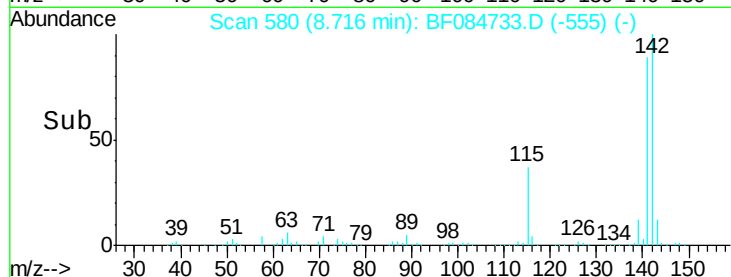
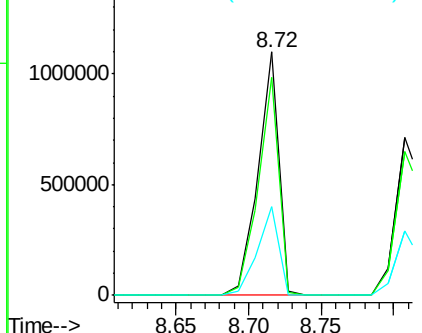
#37
 2-Methylnaphthalene
 Concen: 54.14 ng
 RT: 8.72 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleID :
 EP002MSD

Tgt Ion:142 Resp: 1093482
 Ion Ratio Lower Upper
 142 100
 141 89.3 72.4 108.6
 115 36.6 27.9 41.9

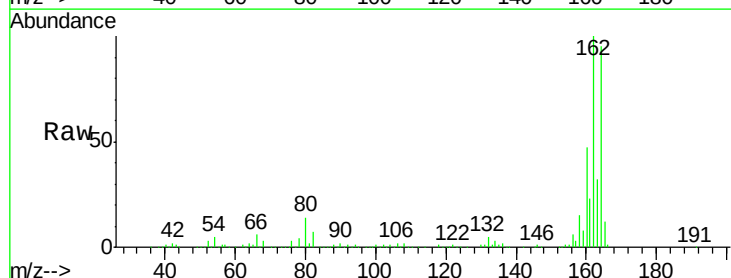


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

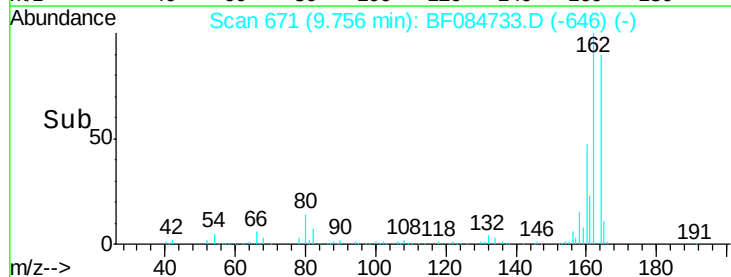
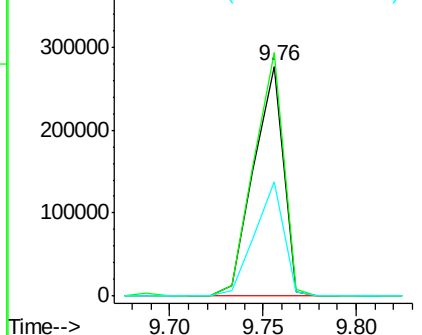


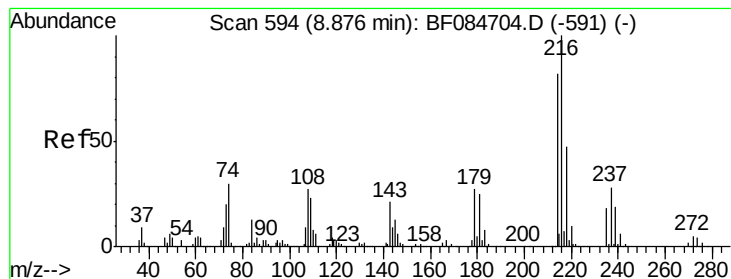
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:164 Resp: 306057
 Ion Ratio Lower Upper
 164 100
 162 105.8 85.1 127.7
 160 49.8 37.5 56.3



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: 43.37 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

Tgt Ion:216 Resp: 421576

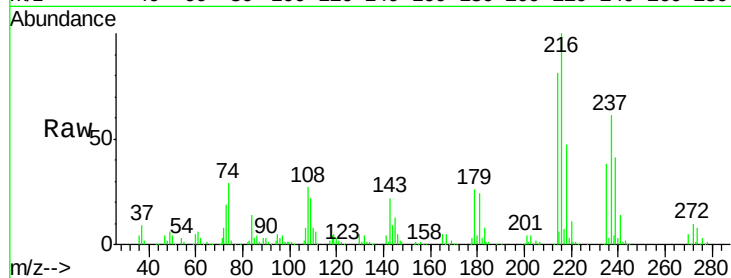
Ion Ratio Lower Upper

216 100

214 78.6 64.2 96.2

179 22.4 18.7 28.1

108 22.4 16.8 25.2

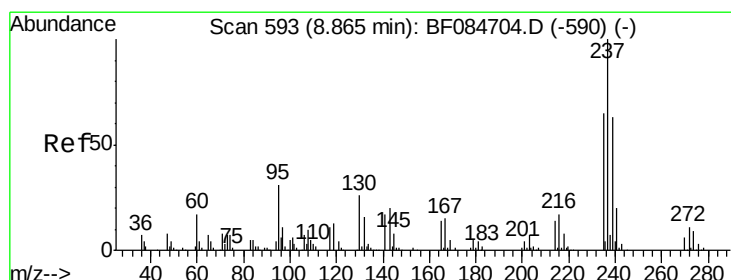
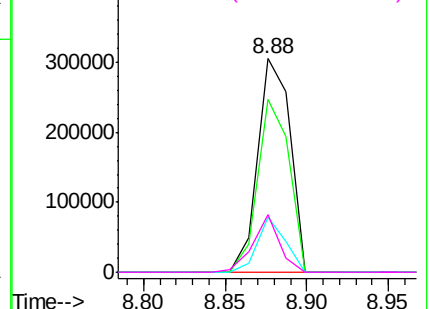
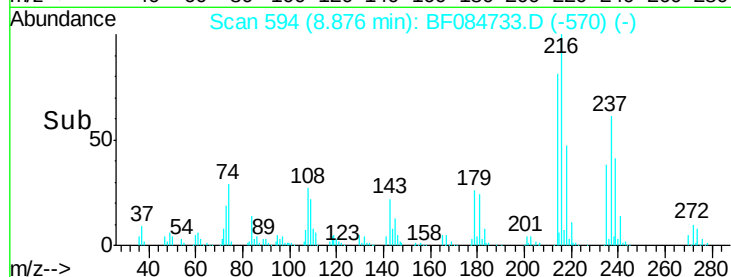


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 90.41 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

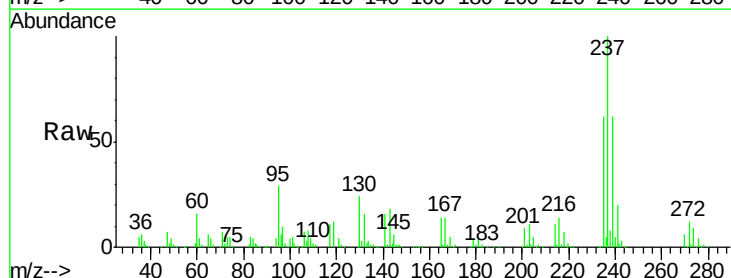
Tgt Ion:237 Resp: 408535

Ion Ratio Lower Upper

237 100

235 62.4 43.1 83.1

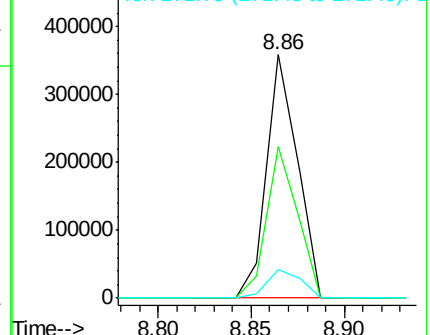
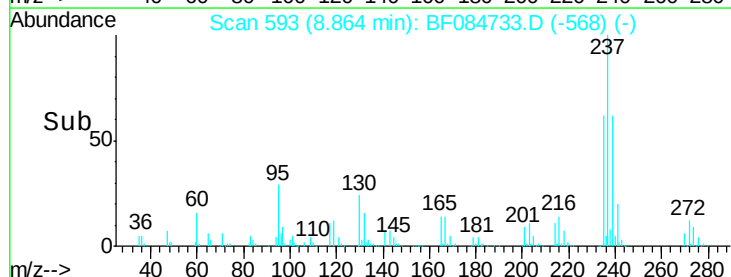
272 11.6 0.0 35.1

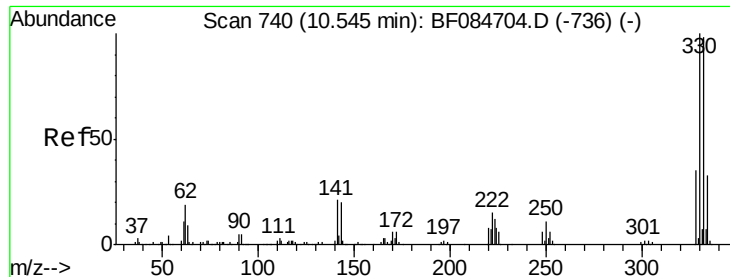


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

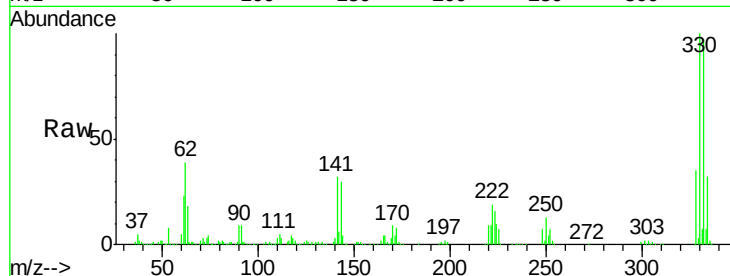




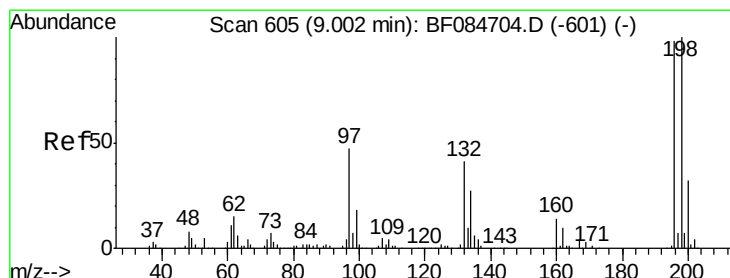
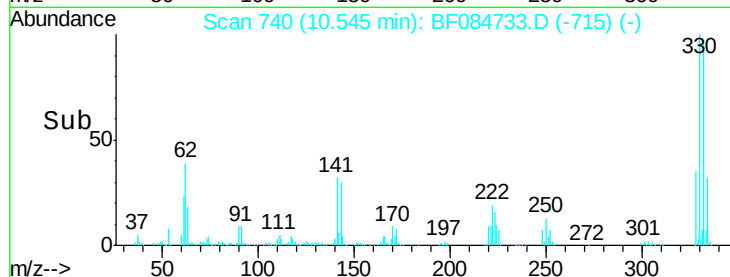
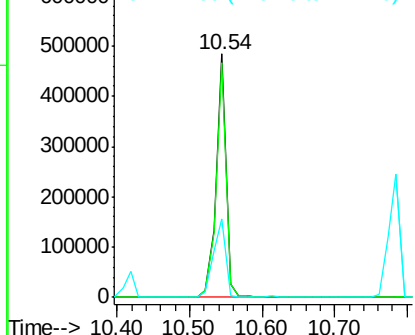
#41
 2,4,6-Tribromophenol
 Concen: 144.26 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:330 Resp: 460540
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 39.5 27.8 41.6

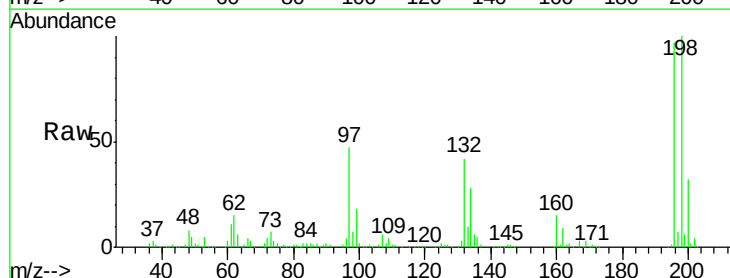


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

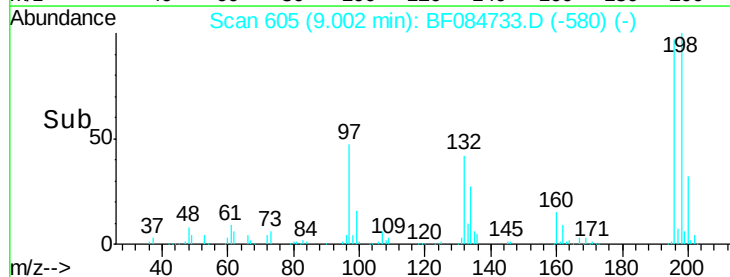
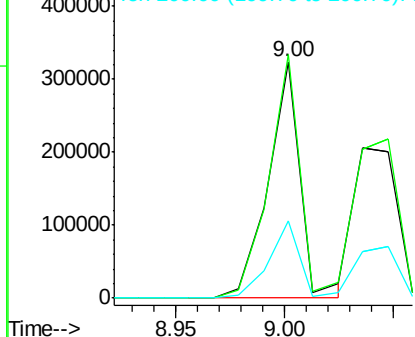


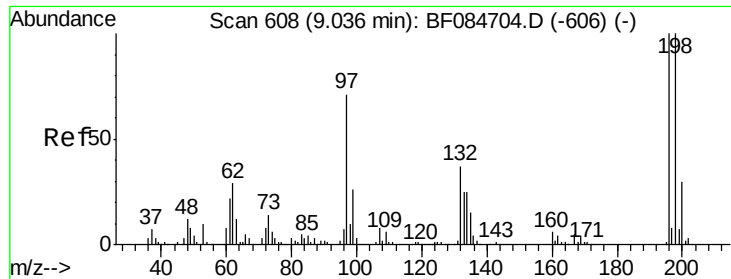
#42
 2,4,6-Trichlorophenol
 Concen: 53.46 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:196 Resp: 334797
 Ion Ratio Lower Upper
 196 100
 198 103.1 77.7 116.5
 200 32.9 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

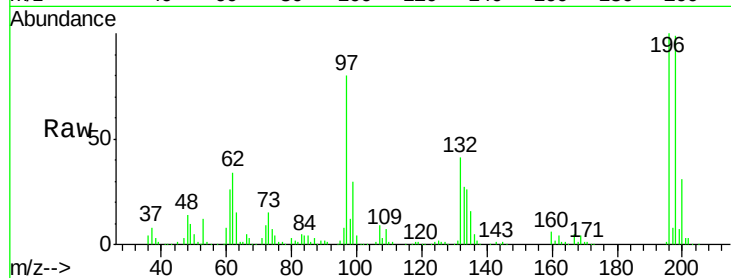




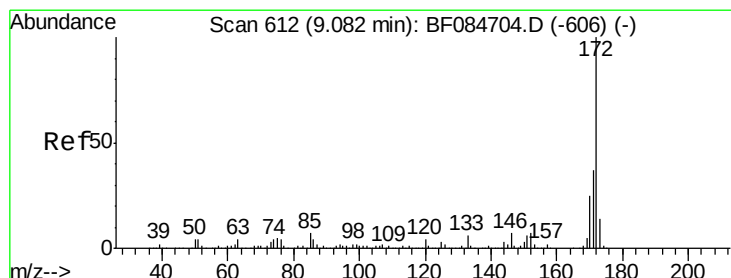
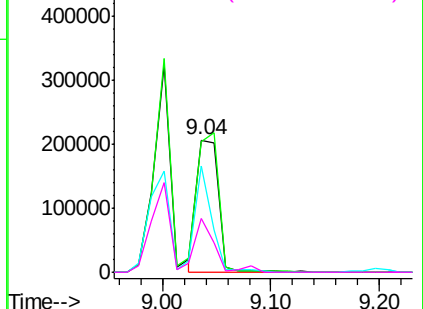
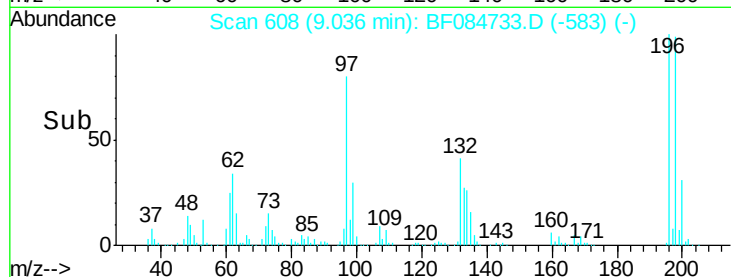
#43
 2,4,5-Trichlorophenol
 Concen: 45.44 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:196 Resp: 289120
 Ion Ratio Lower Upper
 196 100
 198 99.2 79.0 118.6
 97 80.3 33.0 49.6#
 132 40.9 21.1 31.7#

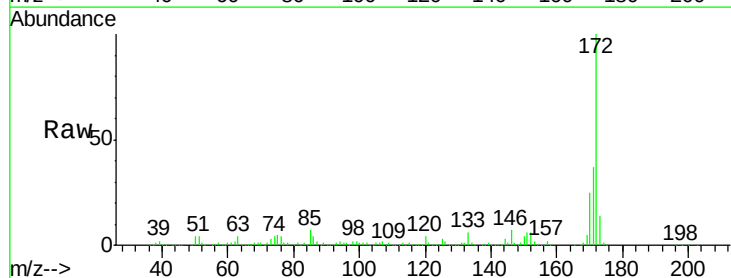


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

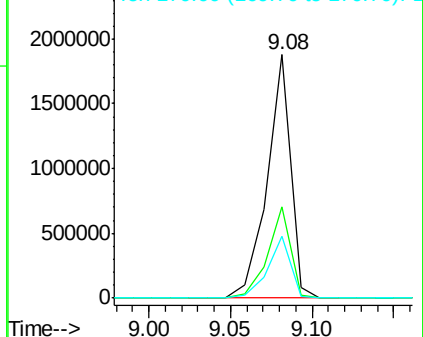
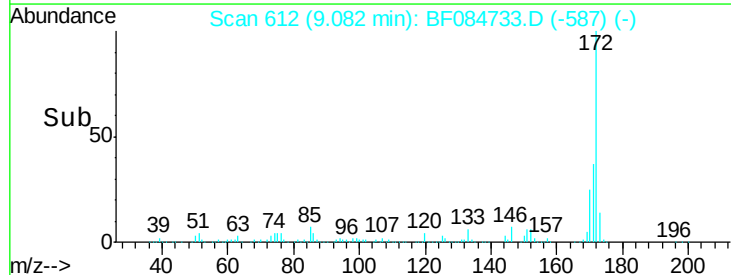


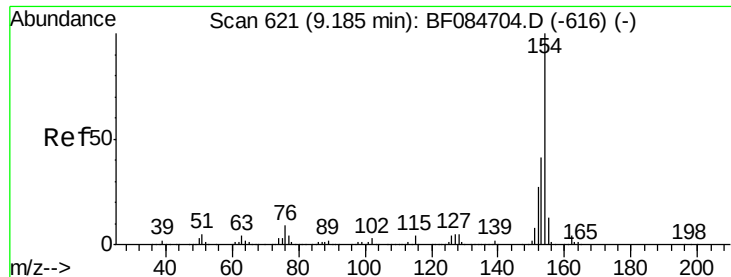
#44
 2-Fluorobiphenyl
 Concen: 120.47 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:172 Resp: 1884981
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.2 18.6 27.8



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





#45

1,1'-Biphenyl

Concen: 47.26 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

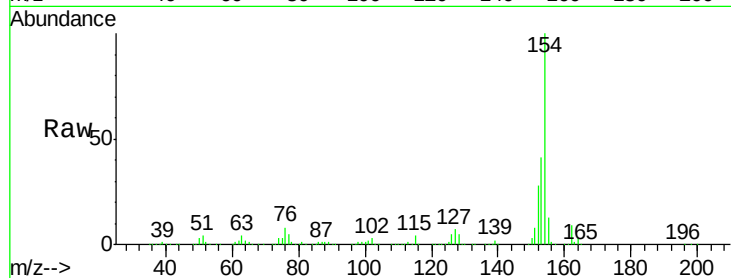
Tgt Ion:154 Resp: 1291992

Ion Ratio Lower Upper

154 100

153 40.9 21.6 61.6

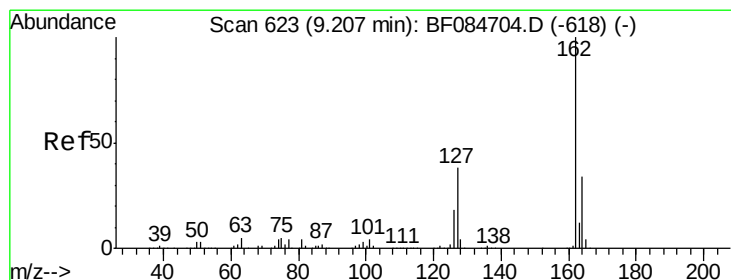
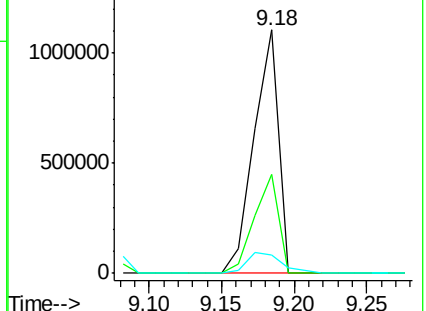
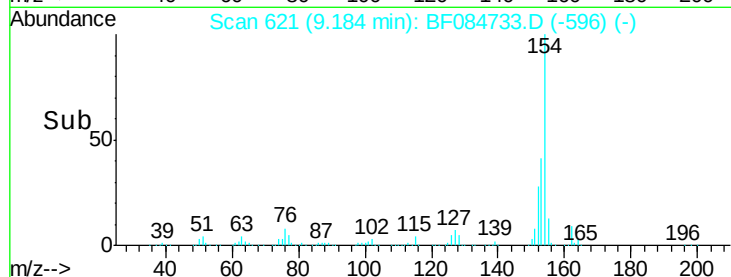
76 7.7 0.0 32.7



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: 46.97 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

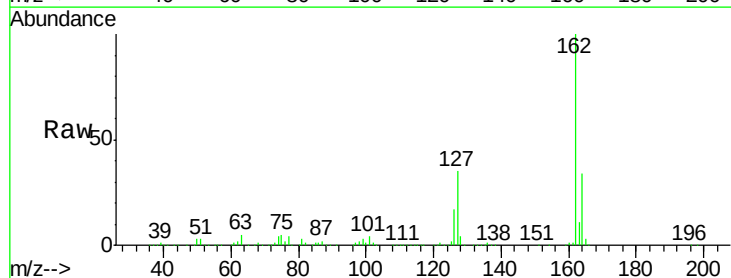
Tgt Ion:162 Resp: 945608

Ion Ratio Lower Upper

162 100

127 35.0 40.2 60.4#

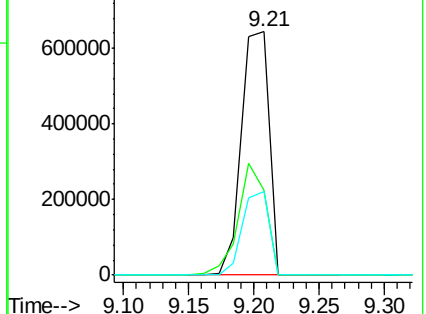
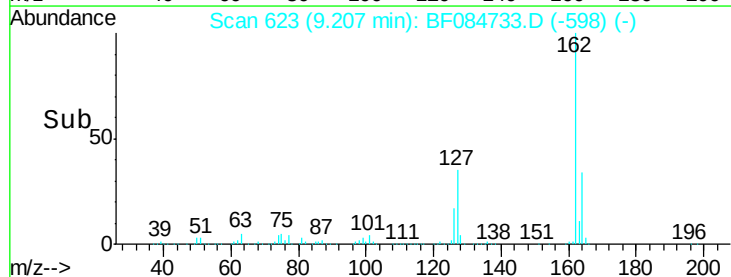
164 34.2 25.7 38.5

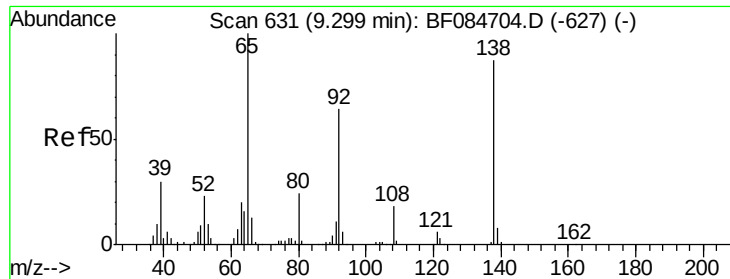


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

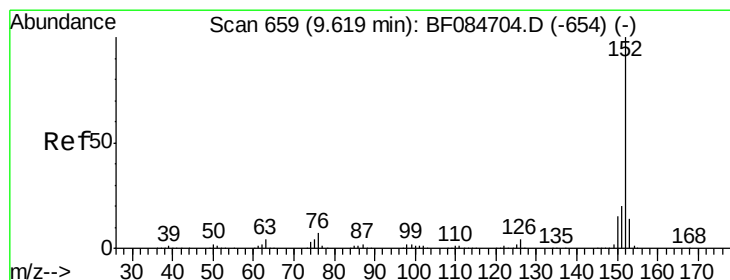
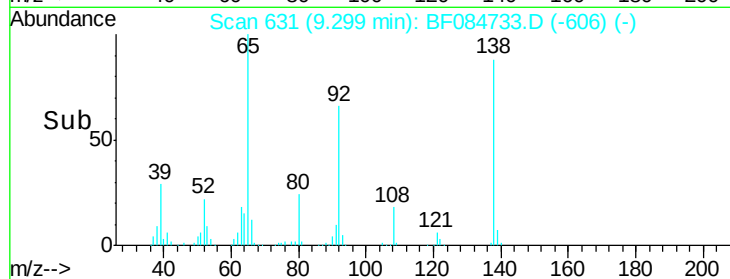
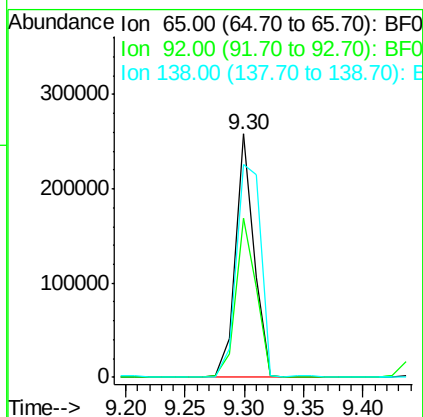
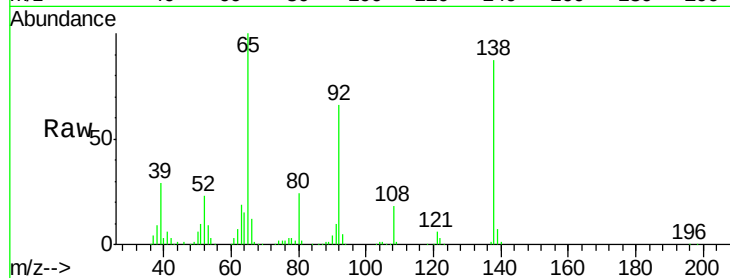




#47
 2-Nitroaniline
 Concen: 44.24 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

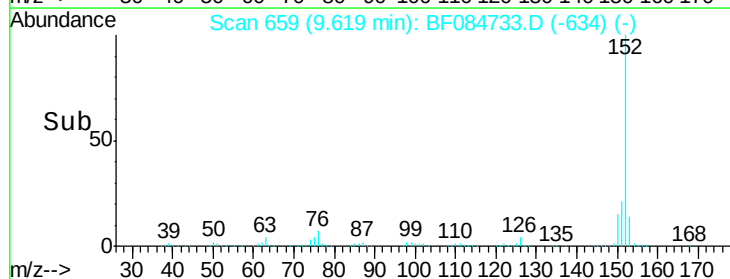
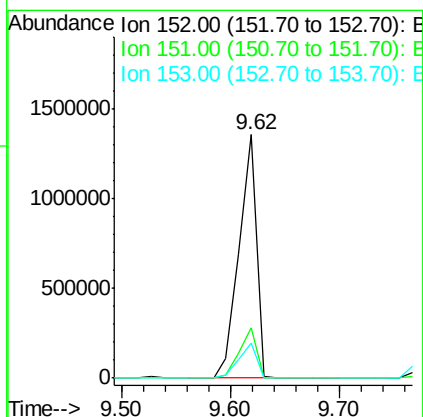
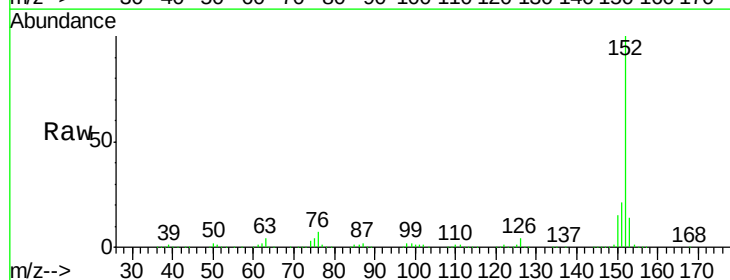
Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

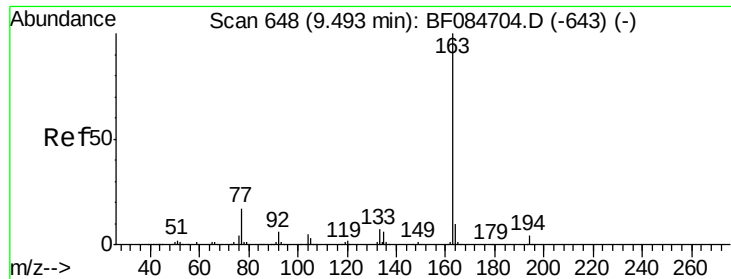
Tgt Ion: 65 Resp: 281979
 Ion Ratio Lower Upper
 65 100
 92 65.5 53.4 80.2
 138 87.4 71.1 106.7



#48
 Acenaphthylene
 Concen: 48.59 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion: 152 Resp: 1484575
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.3 24.5
 153 14.4 10.4 15.6





#49

Dimethylphthalate

Concen: 61.09 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

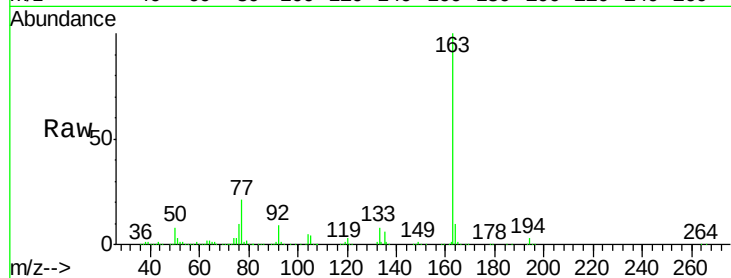
Tgt Ion:163 Resp: 1423950

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

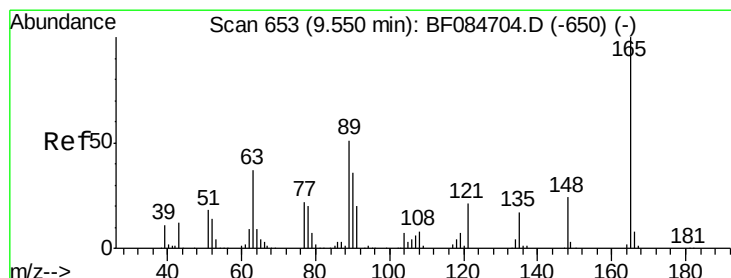
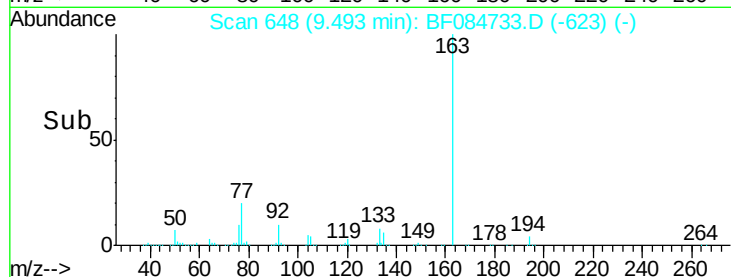
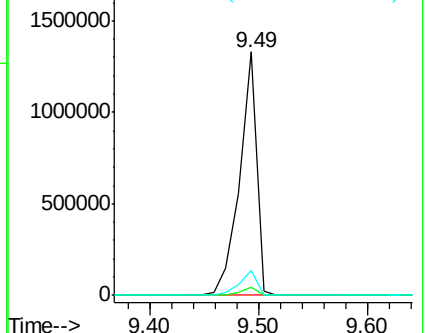
164 10.4 8.0 12.0



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: 50.92 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

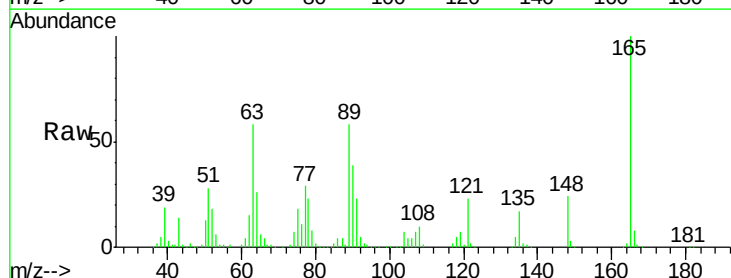
Tgt Ion:165 Resp: 259317

Ion Ratio Lower Upper

165 100

63 57.9 28.8 43.2#

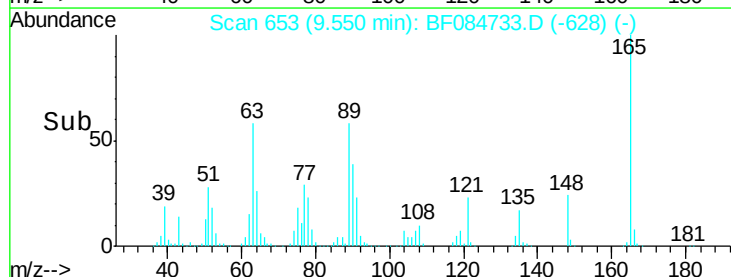
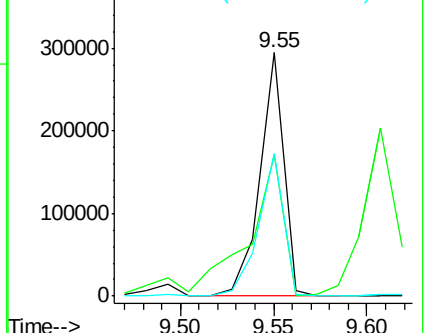
89 58.5 35.1 52.7#

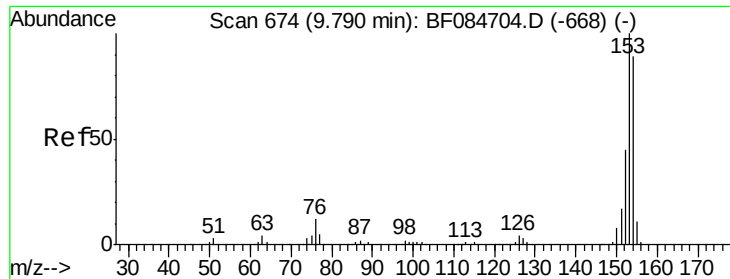


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.98 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

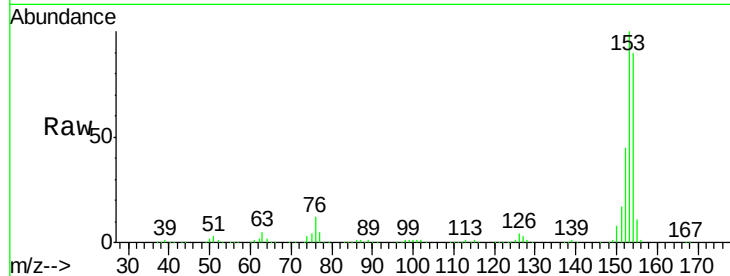
Tgt Ion:154 Resp: 953583

Ion Ratio Lower Upper

154 100

153 111.1 91.5 137.3

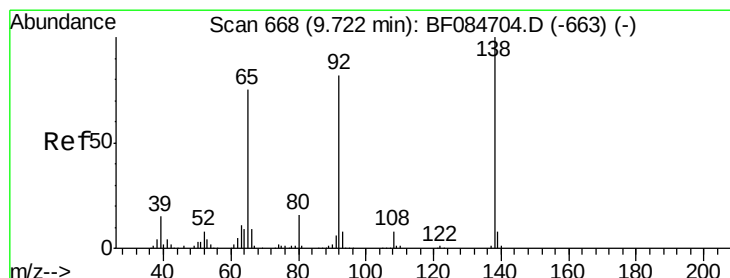
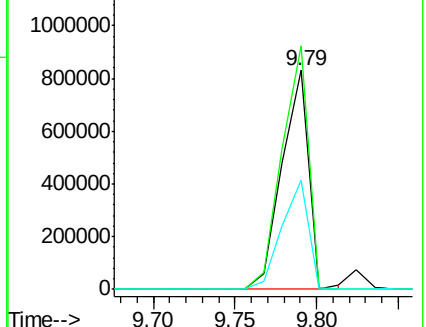
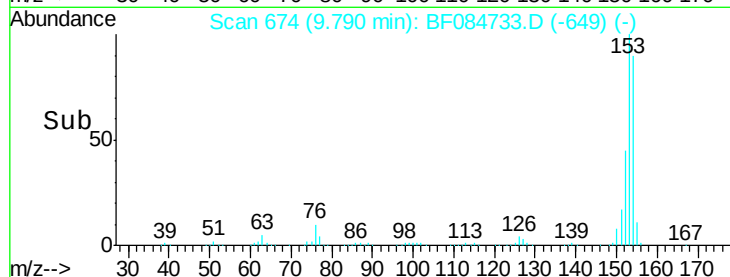
152 50.0 43.0 64.6



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: 28.28 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

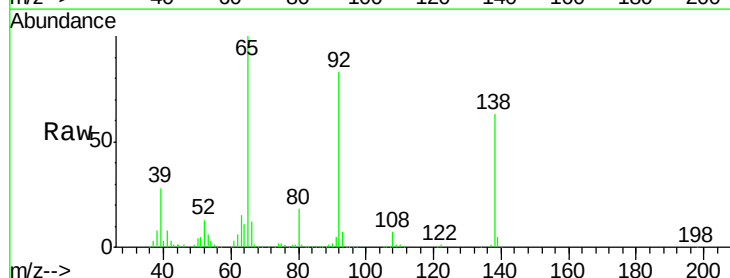
Tgt Ion:138 Resp: 161799

Ion Ratio Lower Upper

138 100

108 11.8 10.5 15.7

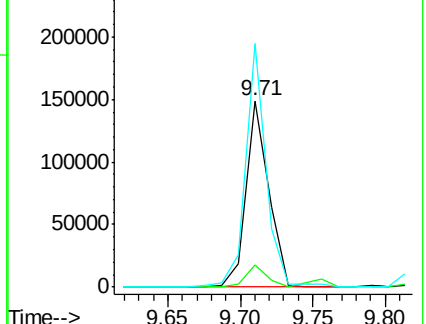
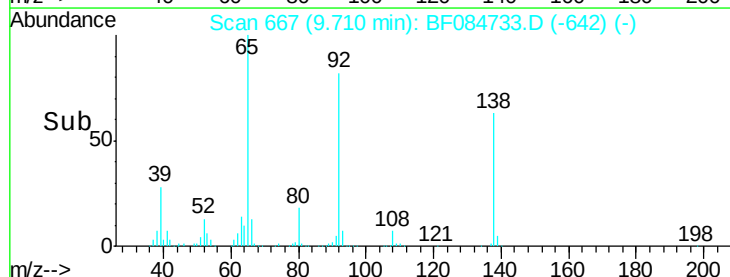
92 130.7 103.9 155.9

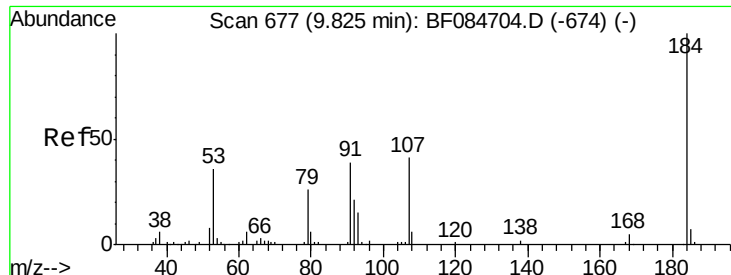


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

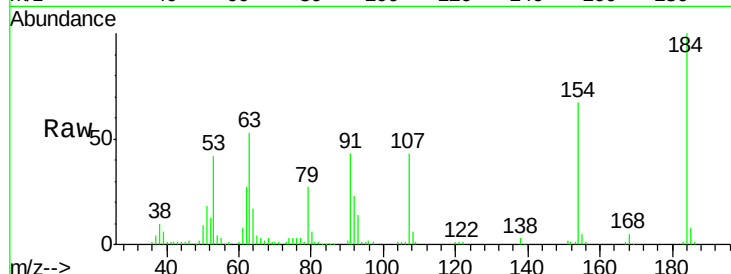




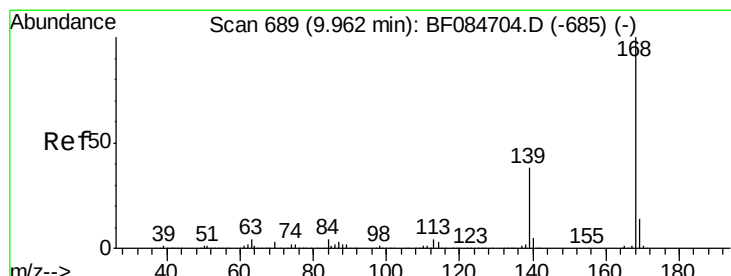
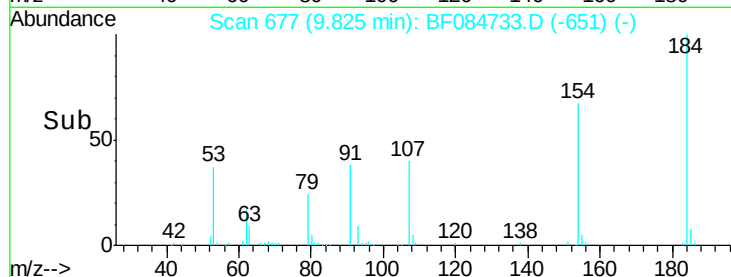
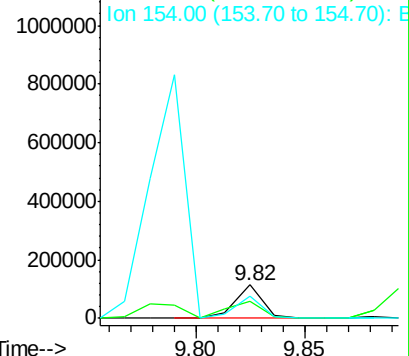
#53
 2,4-Dinitrophenol
 Concen: 45.91 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:184 Resp: 101638
 Ion Ratio Lower Upper
 184 100
 63 52.9 43.1 64.7
 154 67.2 60.5 90.7

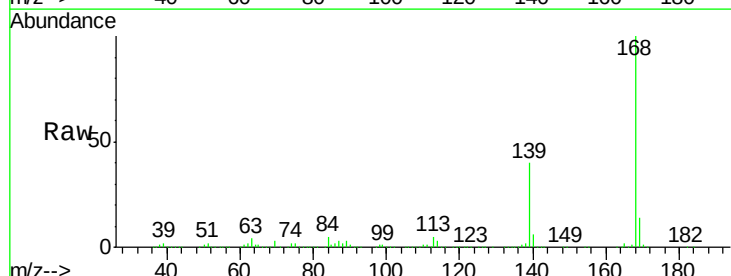


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

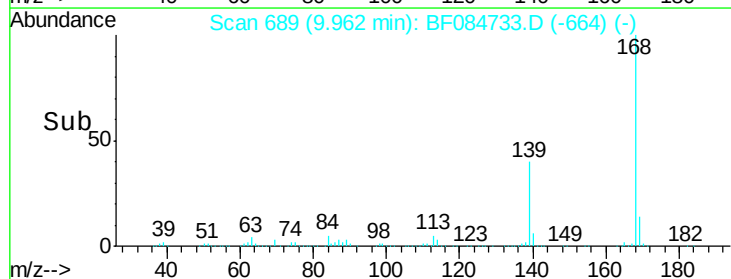
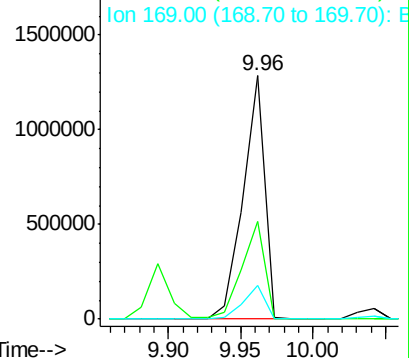


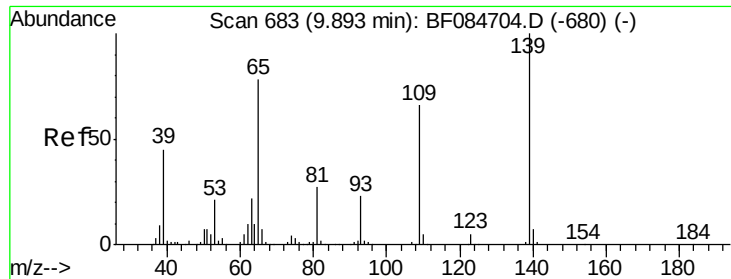
#54
 Dibenzofuran
 Concen: 54.46 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:168 Resp: 1322898
 Ion Ratio Lower Upper
 168 100
 139 39.9 30.5 45.7
 169 13.6 10.4 15.6



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

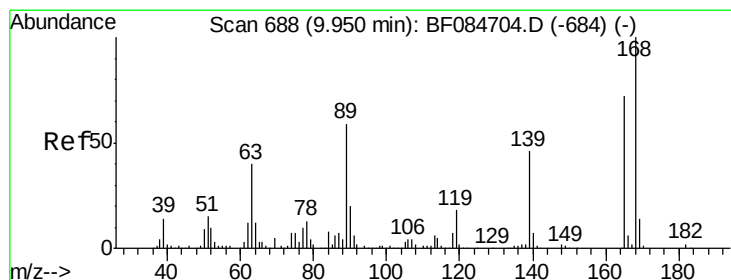
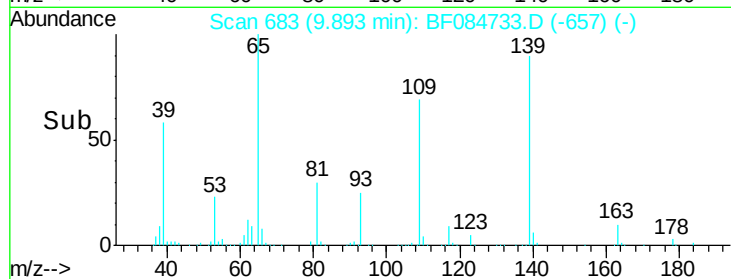
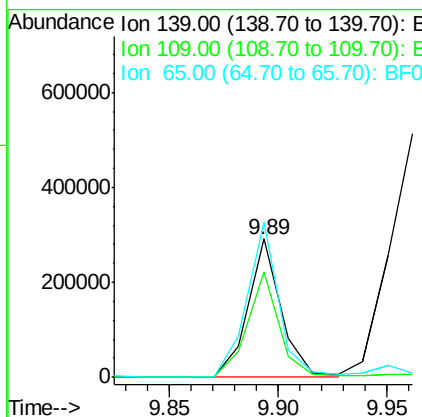
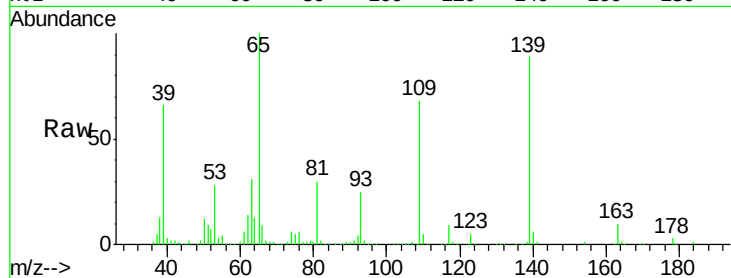




#55
4-Nitrophenol
Concen: 74.47 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

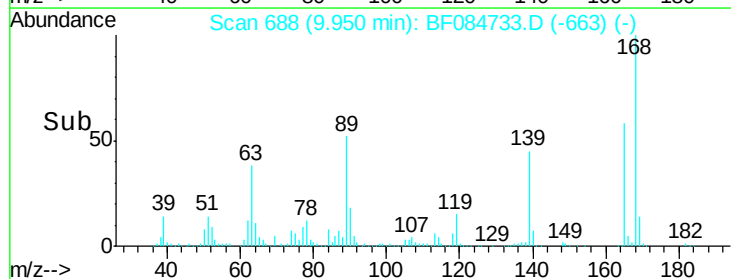
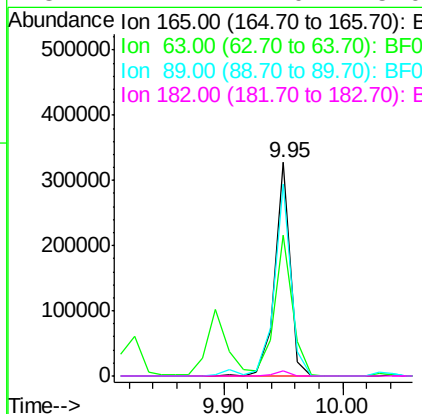
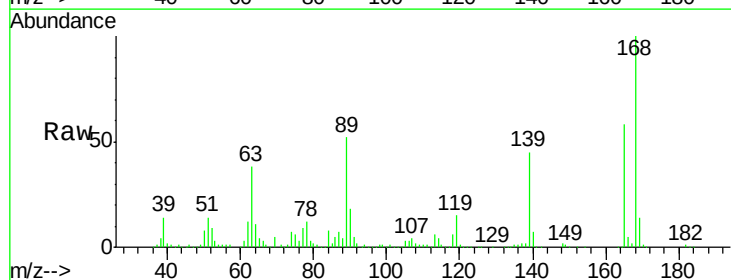
Instrument :
BNA_F
ClientSampleId :
EP002MSD

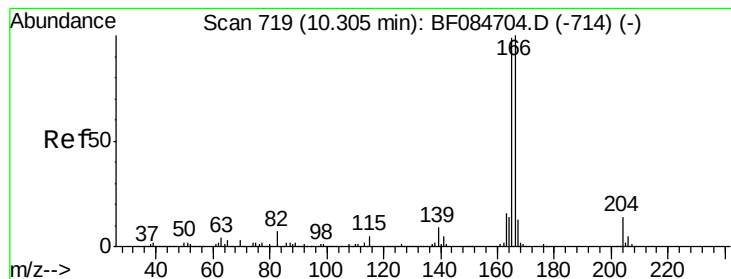
Tgt Ion:139 Resp: 313201
Ion Ratio Lower Upper
139 100
109 76.7 58.5 98.5
65 112.7 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 45.04 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion:165 Resp: 292549
Ion Ratio Lower Upper
165 100
63 66.0 36.7 55.1#
89 89.7 61.9 92.9
182 2.2 2.0 3.0





#57

Fluorene

Concen: 50.87 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

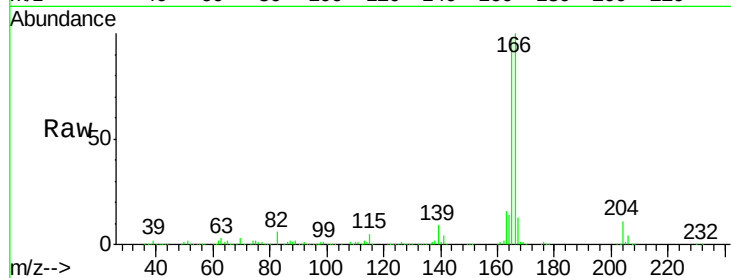
Tgt Ion:166 Resp: 1031925

Ion Ratio Lower Upper

166 100

165 97.8 79.1 118.7

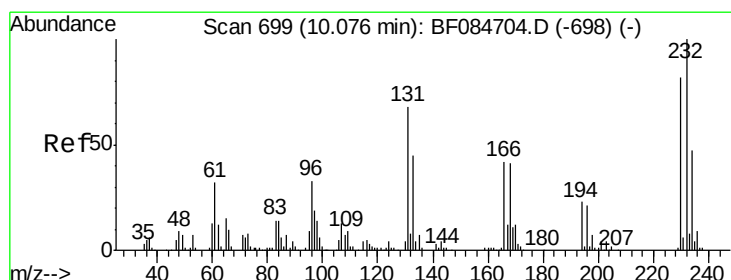
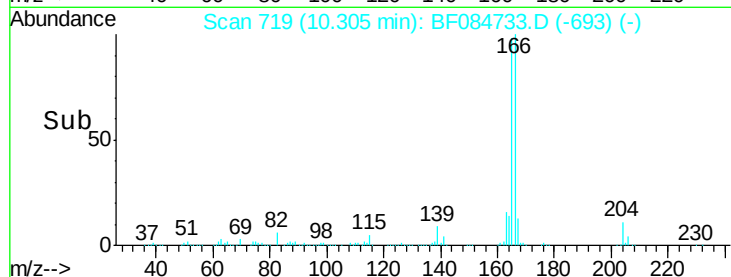
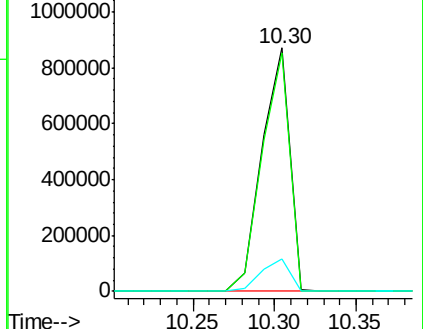
167 13.2 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.40 ng

RT: 10.08 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Tgt Ion:232 Resp: 239266

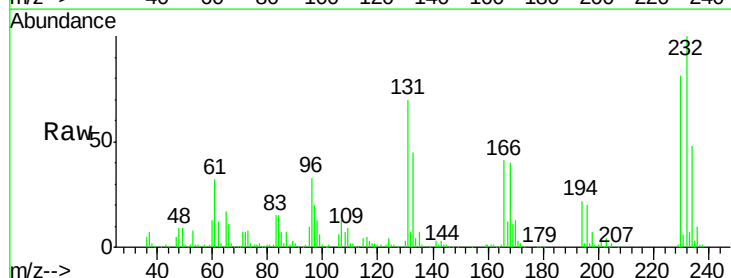
Ion Ratio Lower Upper

232 100

131 51.7 47.0 70.6

130 2.3 2.0 3.0

166 32.3 30.5 45.7

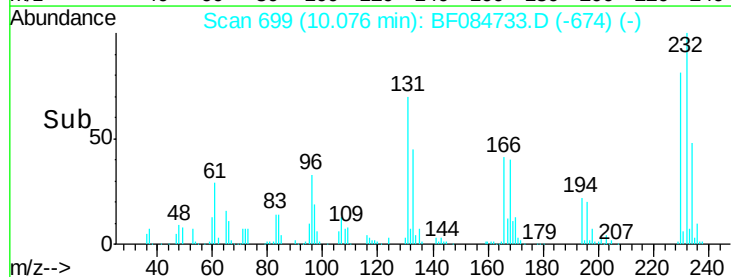
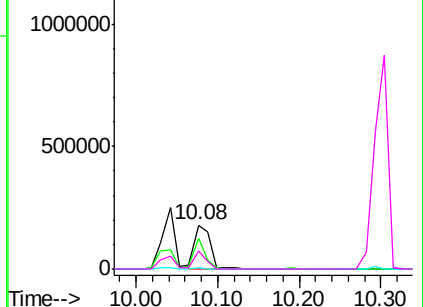


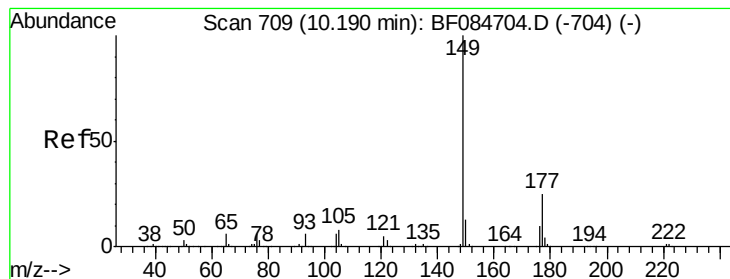
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 50.29 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

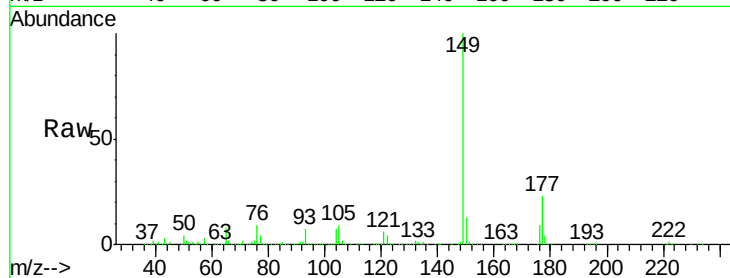
Tgt Ion:149 Resp: 1144716

Ion Ratio Lower Upper

149 100

177 23.4 17.3 25.9

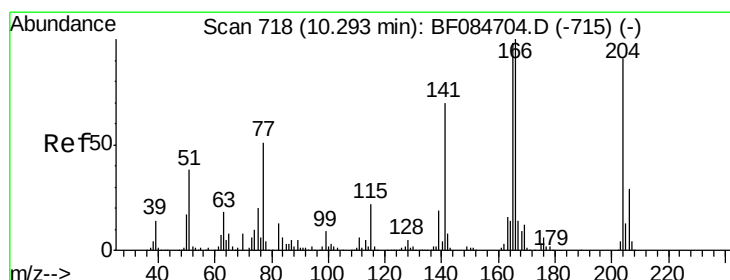
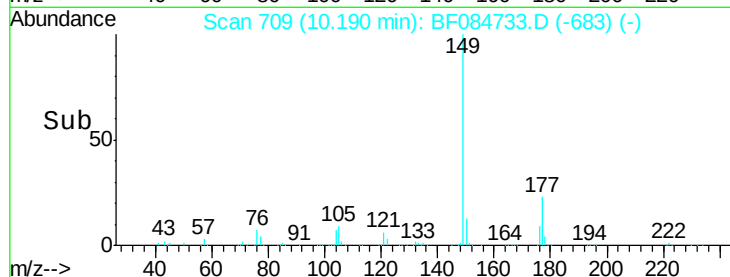
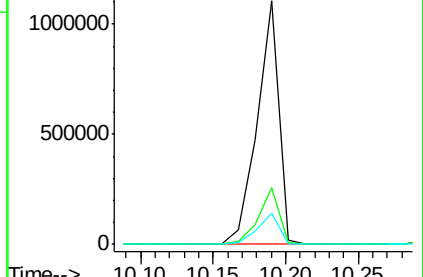
150 12.8 9.8 14.8



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: 50.42 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

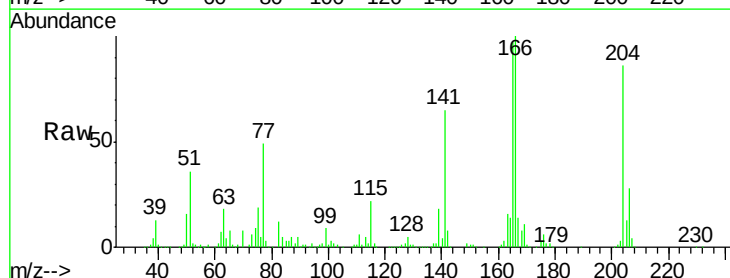
Tgt Ion:204 Resp: 422244

Ion Ratio Lower Upper

204 100

206 32.4 25.7 38.5

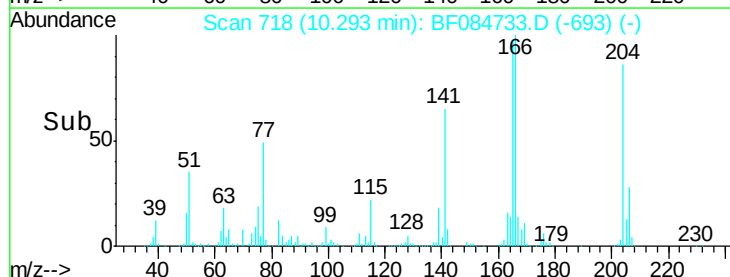
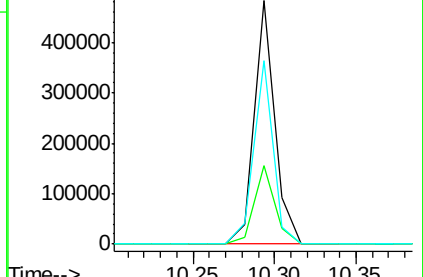
141 75.4 55.1 82.7

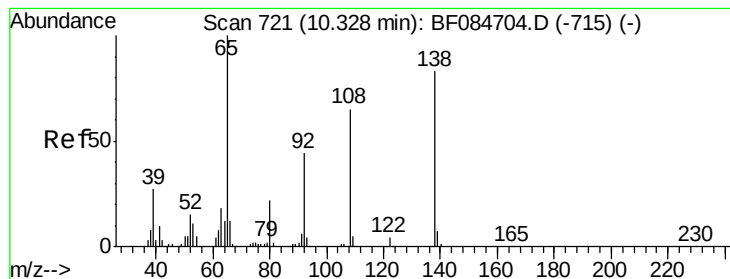


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.74 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

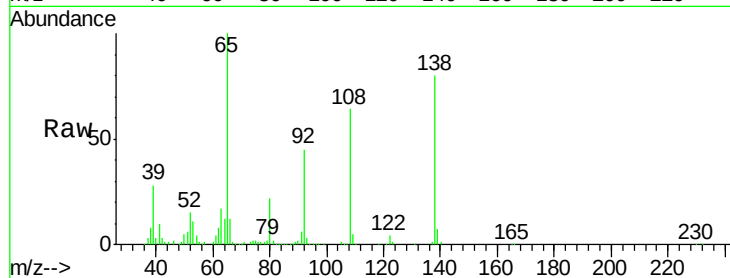
Tgt Ion:138 Resp: 232730

Ion Ratio Lower Upper

138 100

92 55.4 32.6 72.6

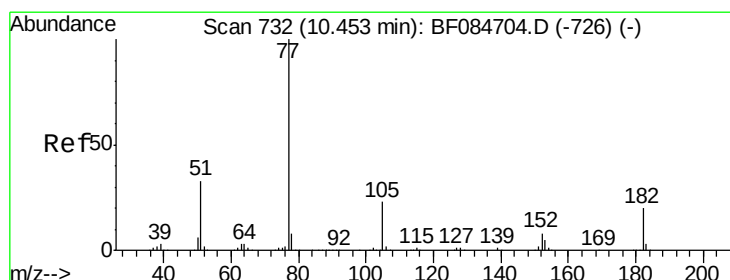
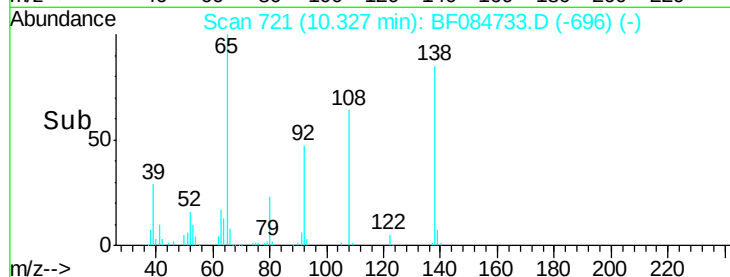
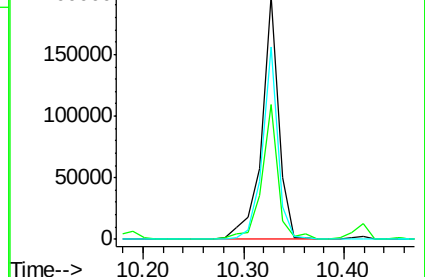
108 79.1 68.6 108.6



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: 51.44 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Tgt Ion: 77 Resp: 1125962

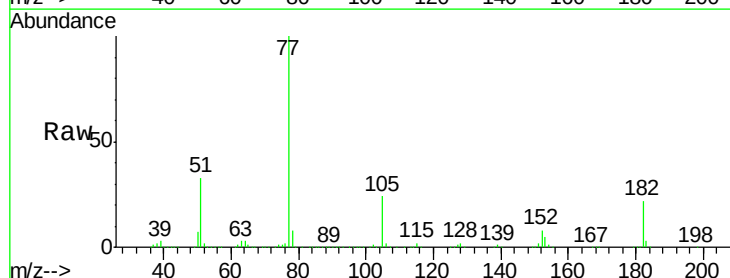
Ion Ratio Lower Upper

77 100

182 21.6 8.3 48.3

105 23.7 4.6 44.6

51 32.9 6.2 46.2

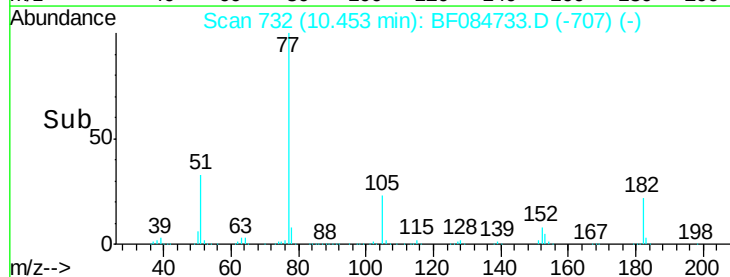
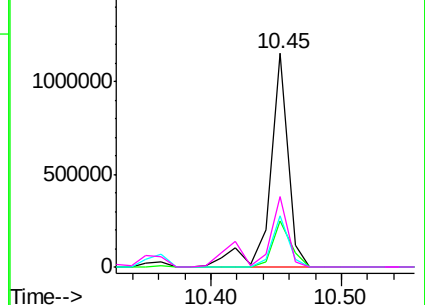


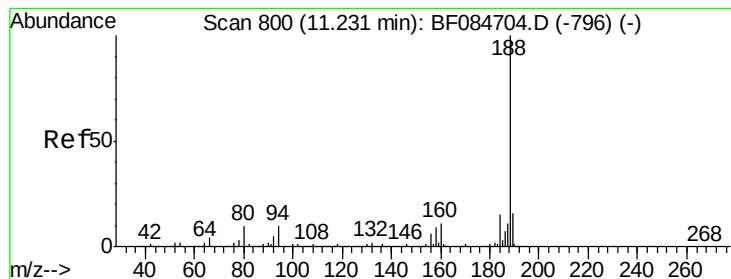
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

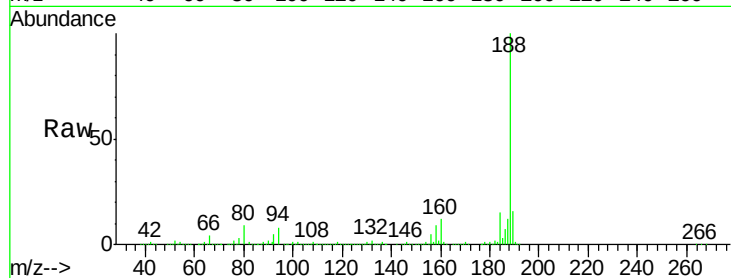
Tgt Ion:188 Resp: 550371

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

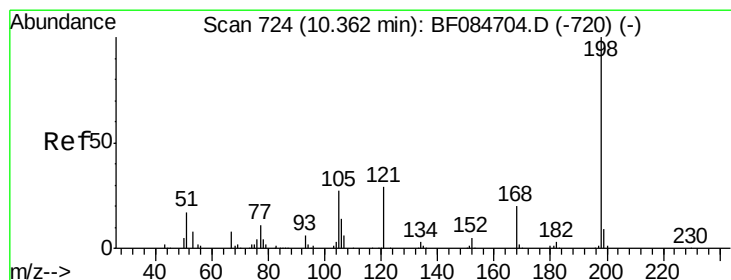
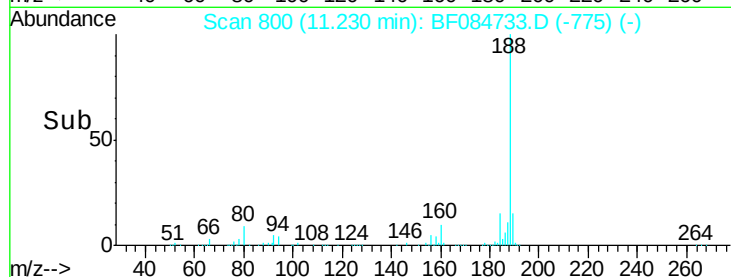
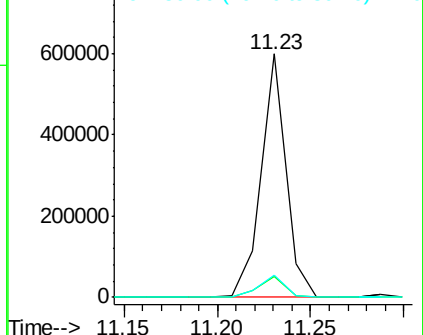
80 9.0 9.6 14.4#



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: 51.78 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

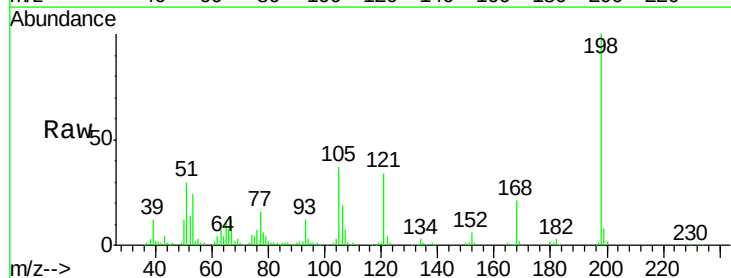
Tgt Ion:198 Resp: 175905

Ion Ratio Lower Upper

198 100

51 30.2 18.9 58.9

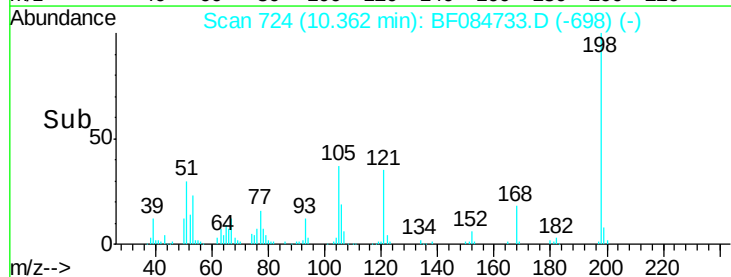
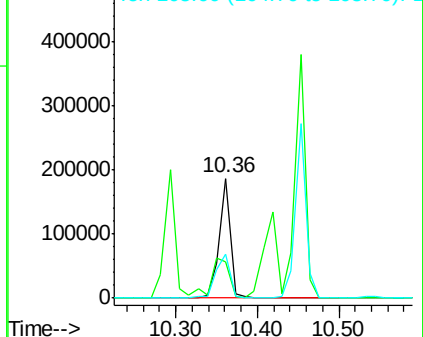
105 36.9 26.4 66.4

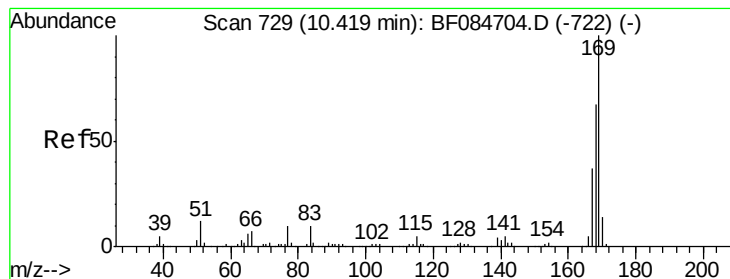


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

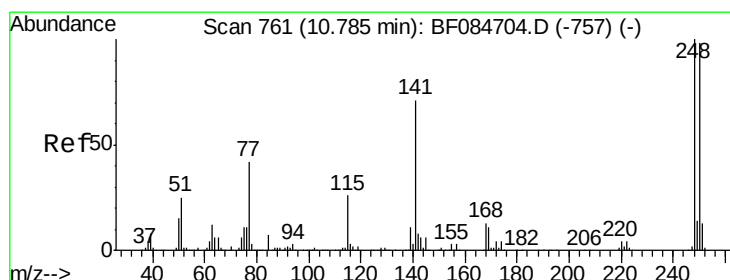
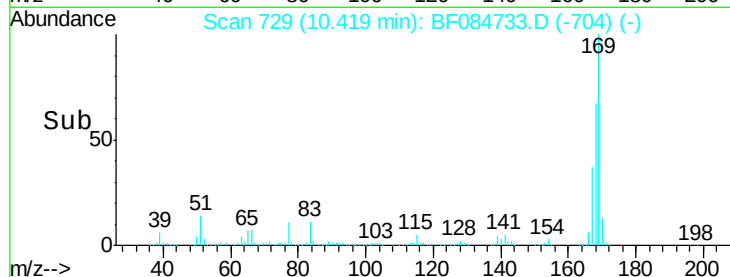
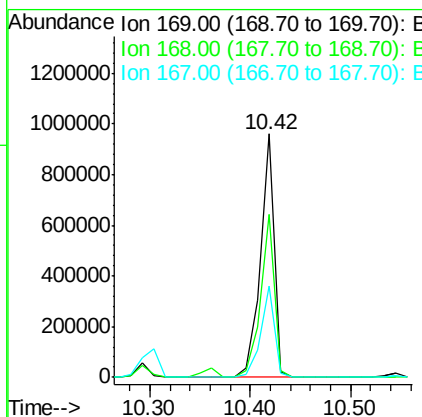
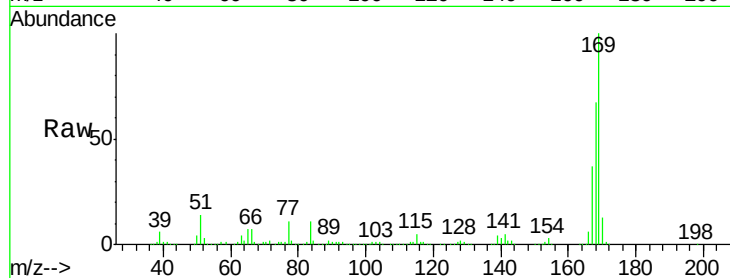




#65
 n-Nitrosodiphenylamine
 Concen: 52.33 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

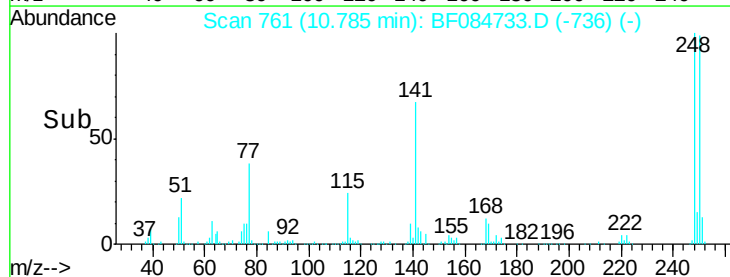
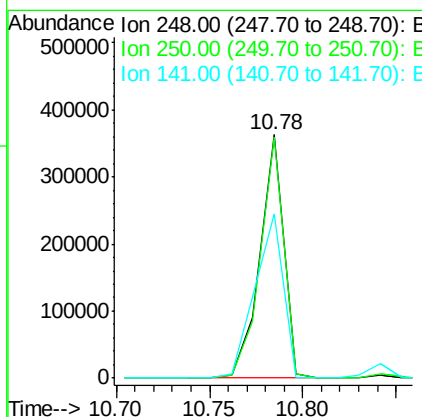
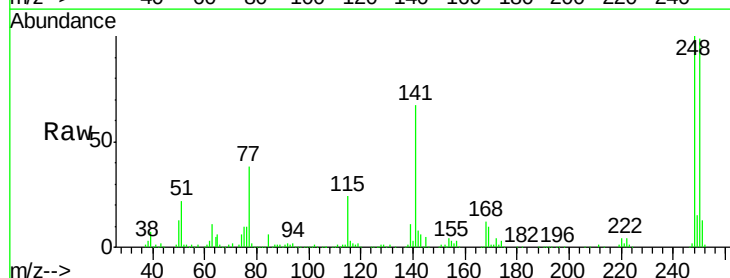
Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

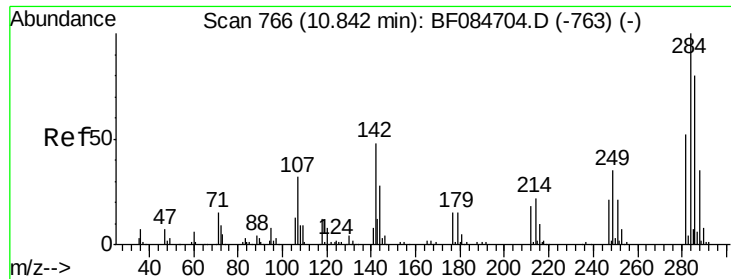
Tgt Ion:169 Resp: 914519
 Ion Ratio Lower Upper
 169 100
 168 67.0 55.1 82.7
 167 37.3 30.0 45.0



#66
 4-Bromophenyl-phenylether
 Concen: 52.26 ng
 RT: 10.78 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:248 Resp: 317692
 Ion Ratio Lower Upper
 248 100
 250 98.8 78.4 117.6
 141 67.4 44.0 66.0#





#67

Hexachlorobenzene

Concen: 45.23 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

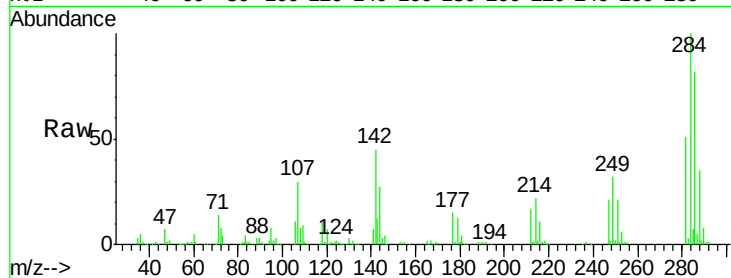
Tgt Ion:284 Resp: 299572

Ion Ratio Lower Upper

284 100

142 45.4 22.2 33.4#

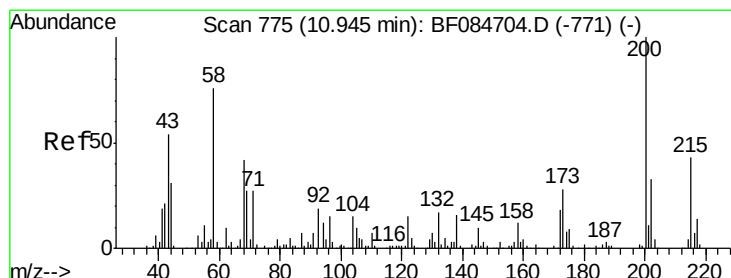
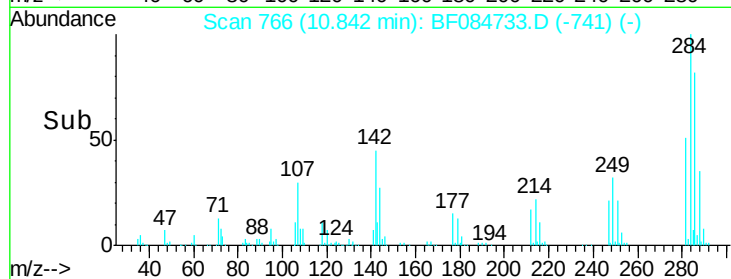
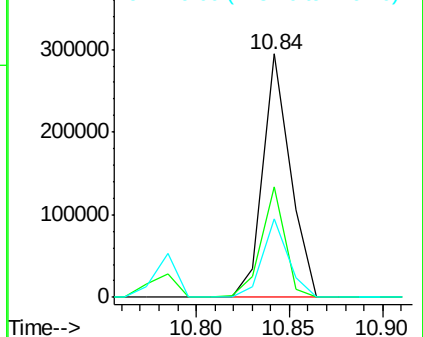
249 32.3 24.6 37.0



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: 48.52 ng

RT: 10.94 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

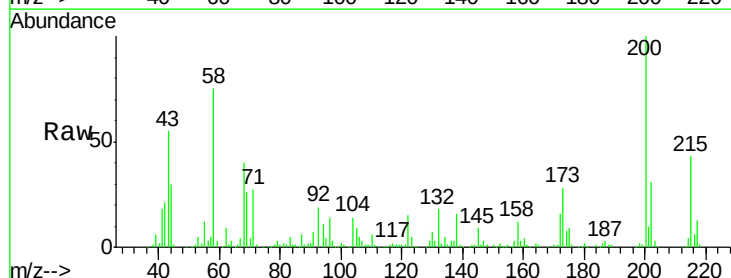
Tgt Ion:200 Resp: 267791

Ion Ratio Lower Upper

200 100

173 28.2 9.5 49.5

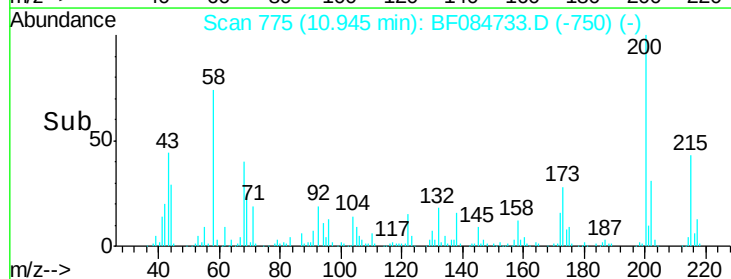
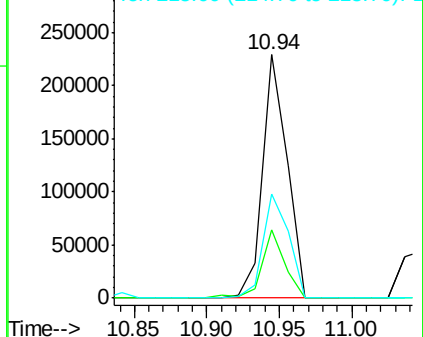
215 42.8 23.8 63.8

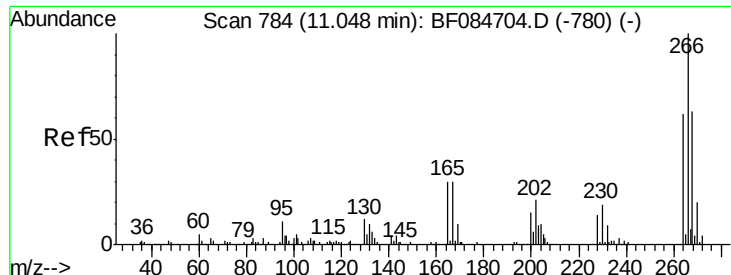


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

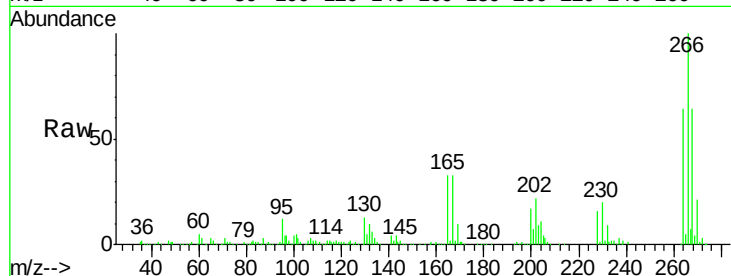




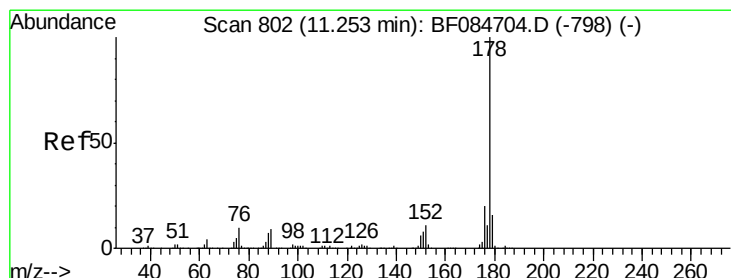
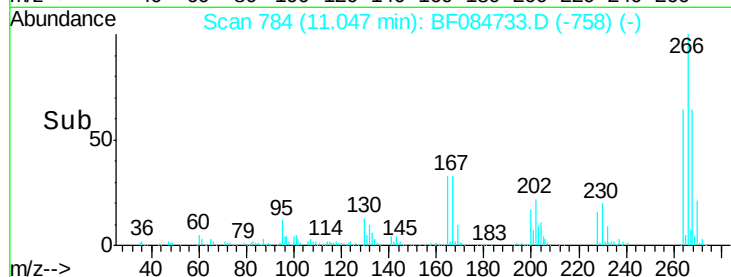
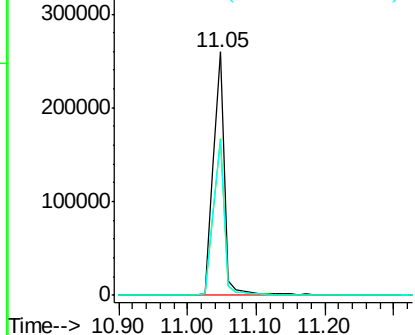
#69
 Pentachlorophenol
 Concen: 97.25 ng
 RT: 11.05 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion:266 Resp: 302735
 Ion Ratio Lower Upper
 266 100
 268 64.2 52.4 78.6
 264 63.8 50.2 75.2

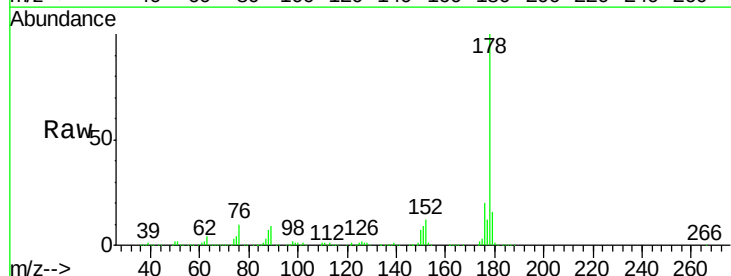


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

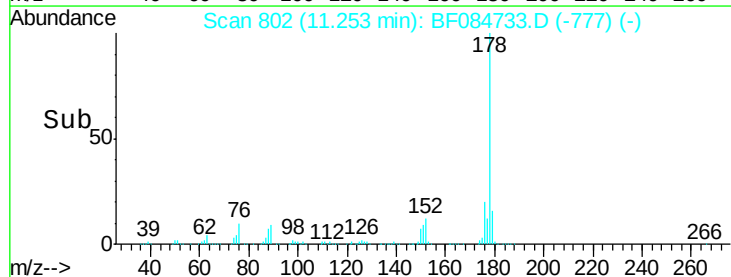
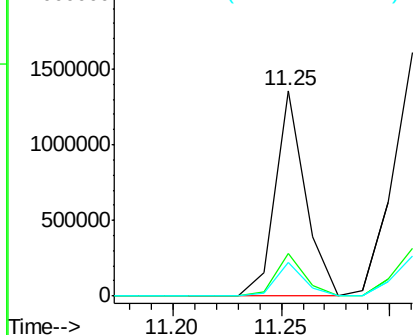


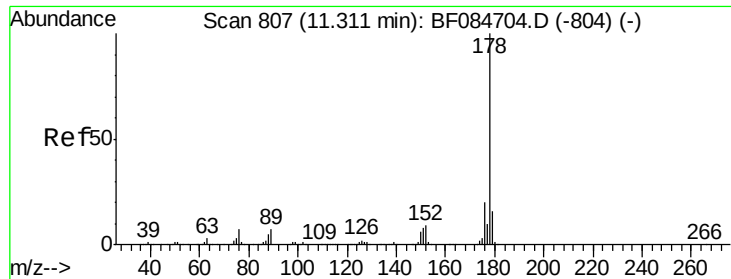
#70
 Phenanthrene
 Concen: 42.95 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:178 Resp: 1311018
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.3 22.9
 179 16.4 12.0 18.0



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

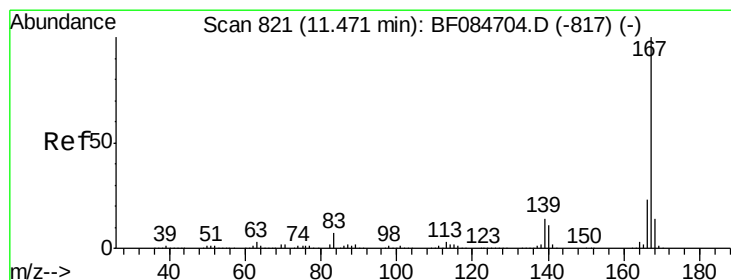
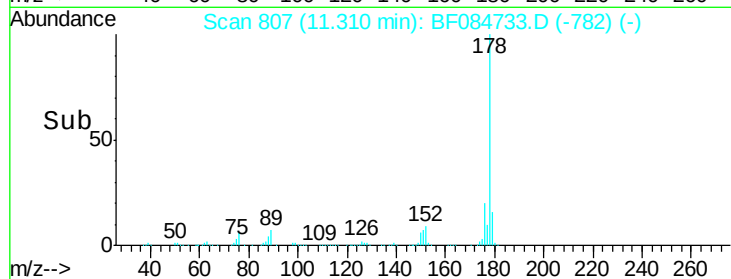
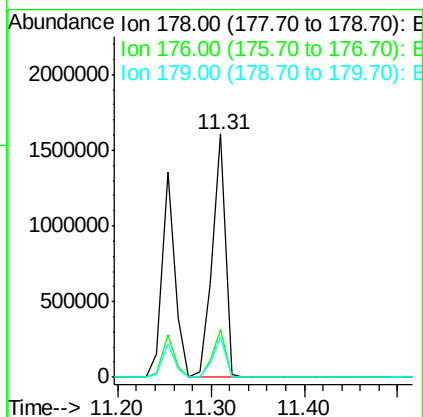
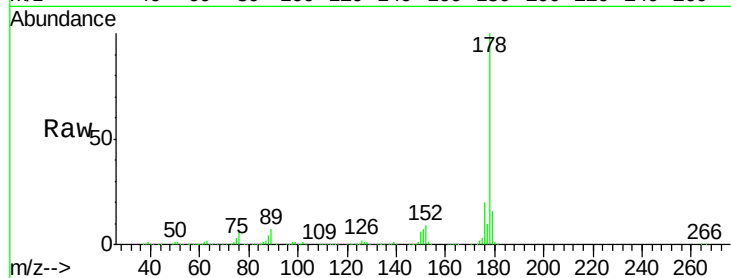




#71
 Anthracene
 Concen: 51.01 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

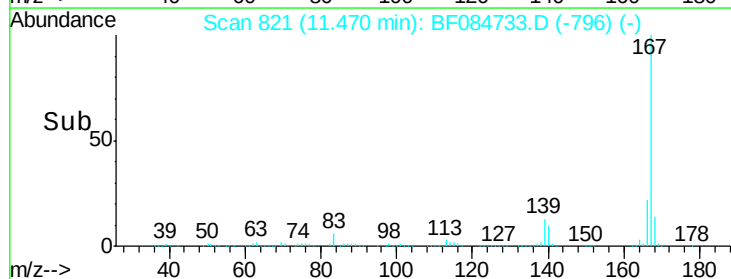
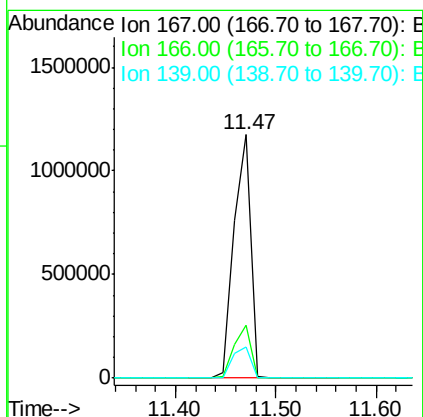
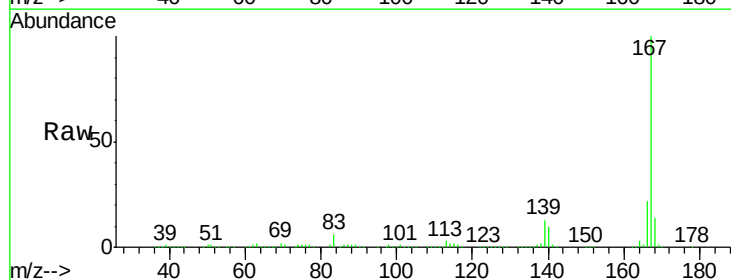
Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

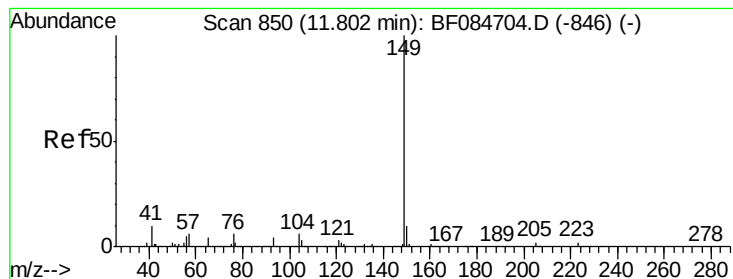
Tgt Ion:178 Resp: 1568936
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.0
 179 16.3 12.5 18.7



#72
 Carbazole
 Concen: 50.85 ng
 RT: 11.47 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion:167 Resp: 1363863
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.6 26.4
 139 12.8 11.8 17.8





#73

Di-n-butylphthalate

Concen: 42.72 ng

RT: 11.80 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

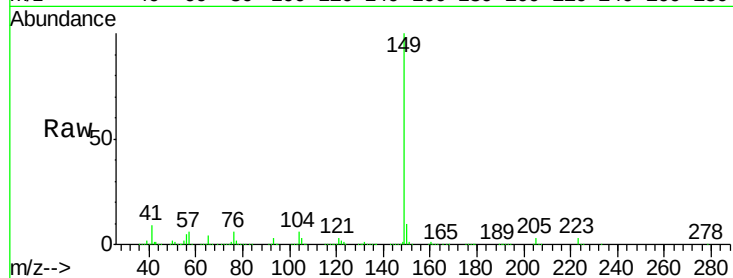
Tgt Ion:149 Resp: 1458825

Ion Ratio Lower Upper

149 100

150 10.1 7.1 10.7

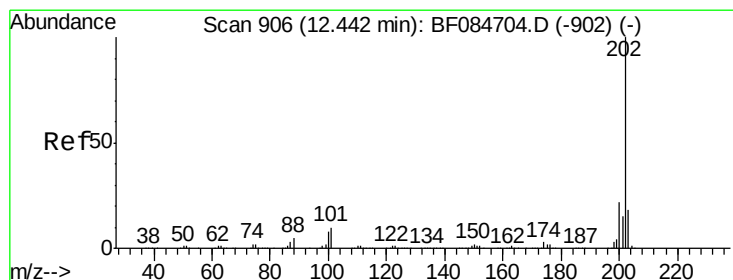
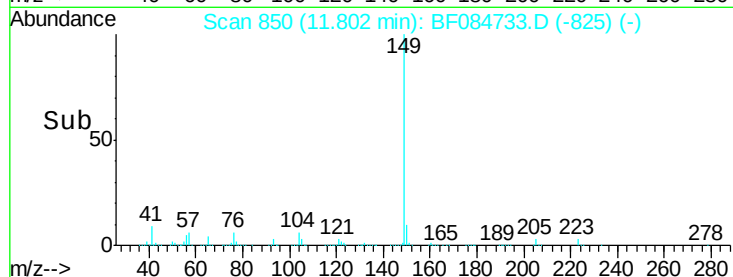
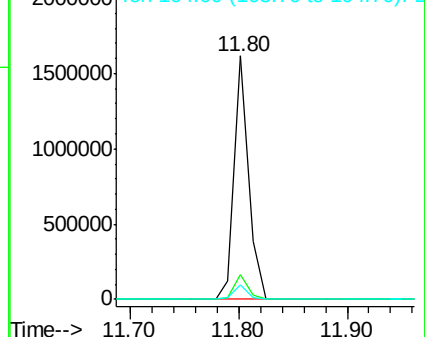
104 5.7 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.76 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

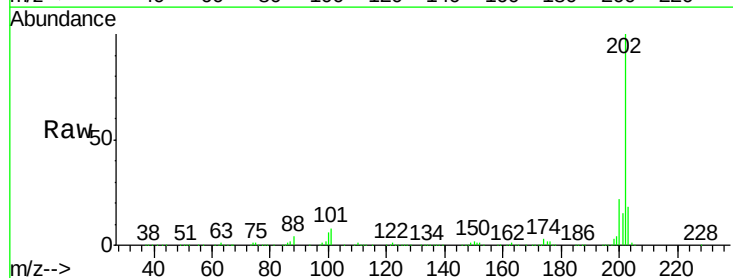
Tgt Ion:202 Resp: 1506614

Ion Ratio Lower Upper

202 100

101 7.9 0.0 32.8

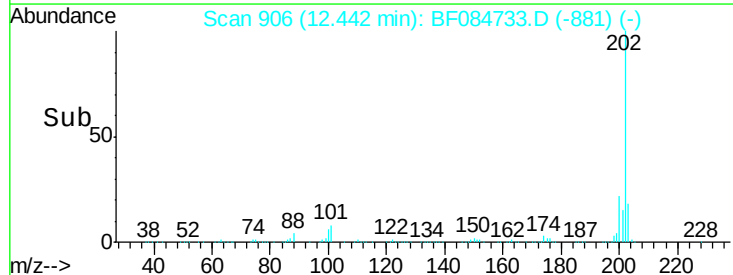
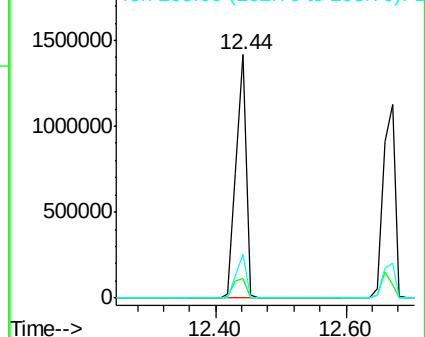
203 18.2 0.0 37.9

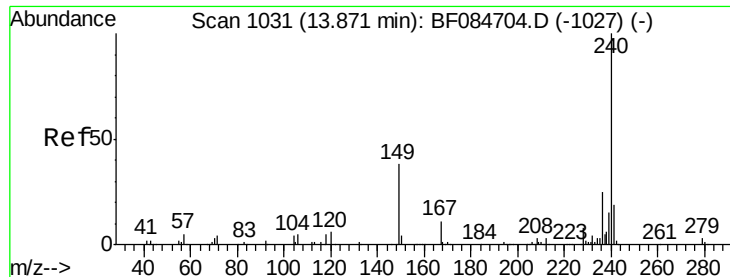


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

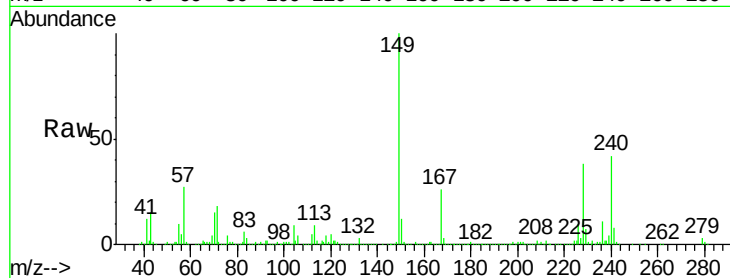
Tgt Ion:240 Resp: 338781

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

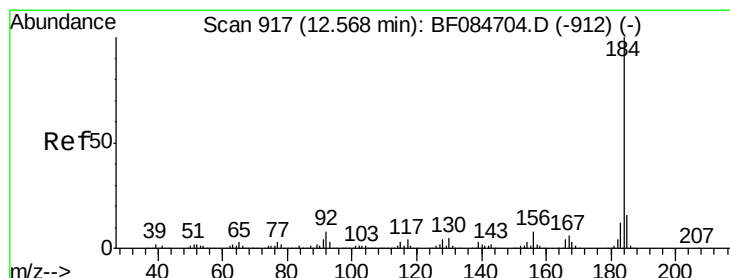
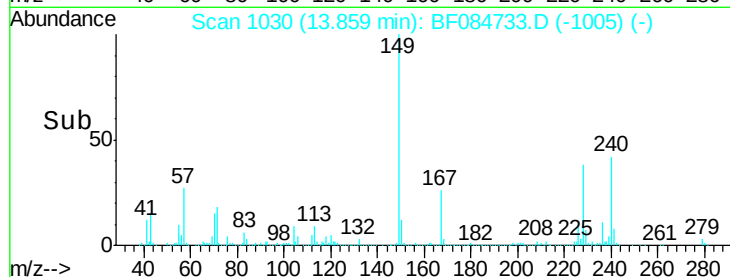
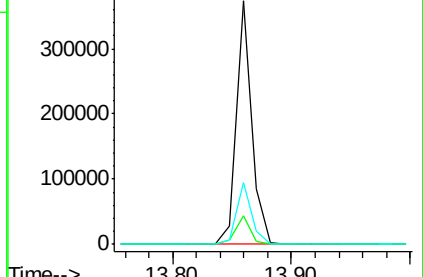
236 25.3 20.6 31.0



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: 45.94 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

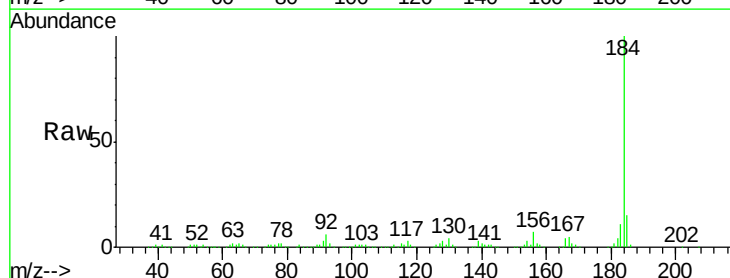
Tgt Ion:184 Resp: 535848

Ion Ratio Lower Upper

184 100

185 14.7 12.2 18.2

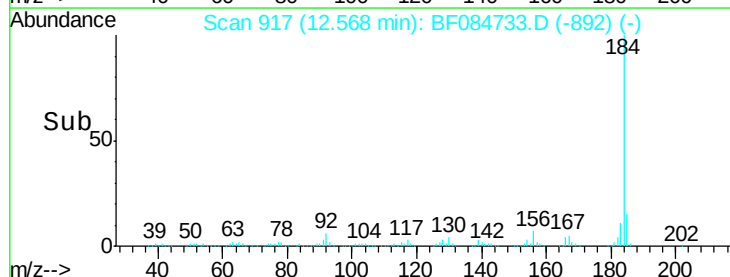
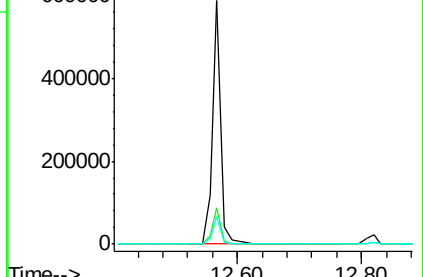
183 11.4 9.8 14.8

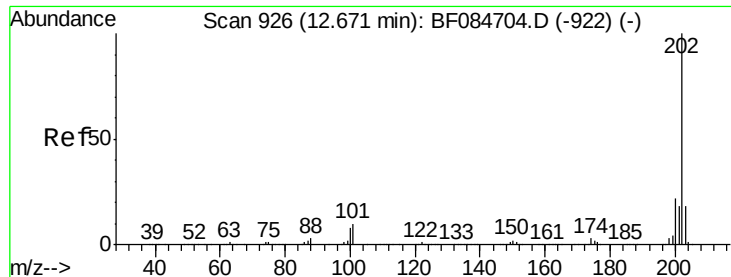


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



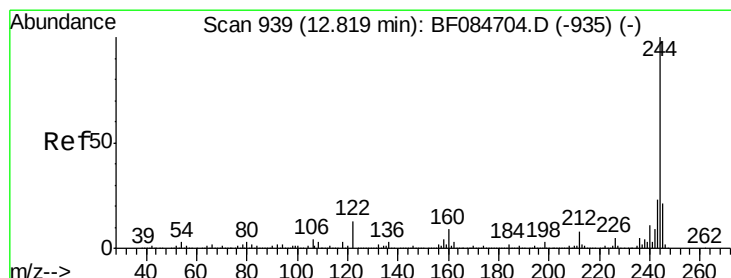
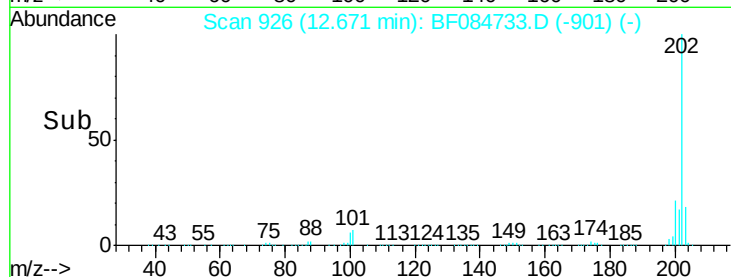
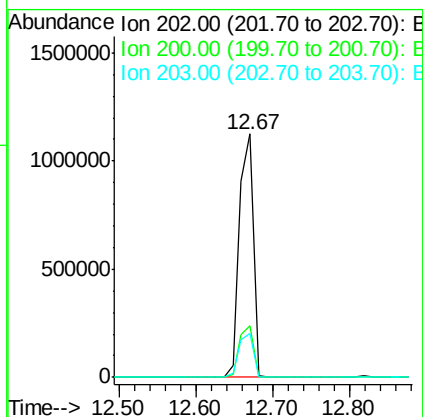
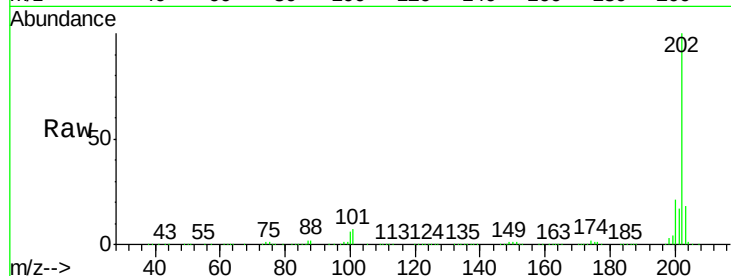


#77
 Pyrene
 Concen: 55.87 ng
 RT: 12.67 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

Tgt Ion: 202 Resp: 1449033

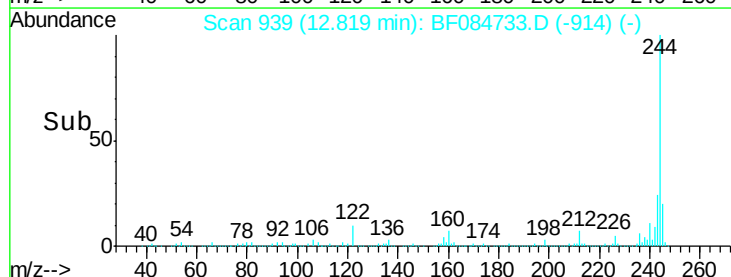
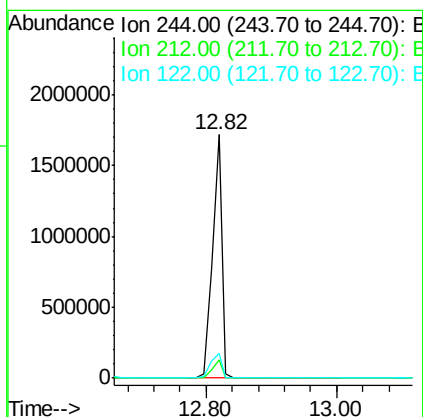
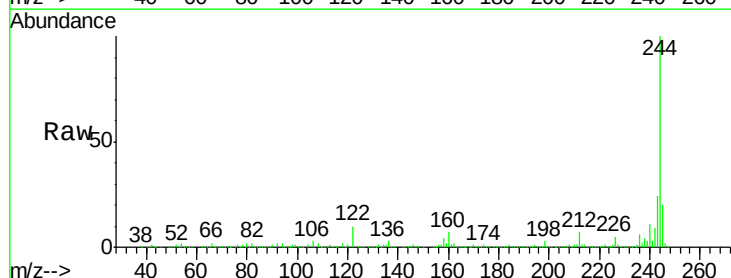
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.8	14.3	21.5

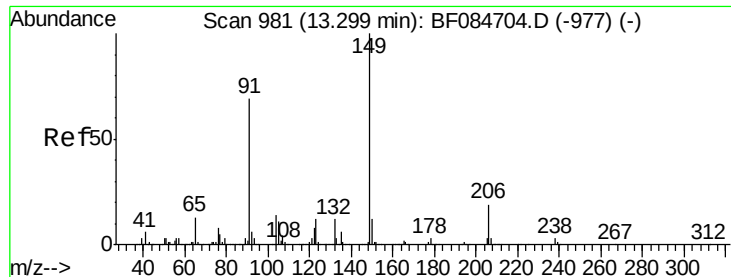


#78
 Terphenyl-d14
 Concen: 116.87 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion: 244 Resp: 1747305

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	10.4	7.4	11.0

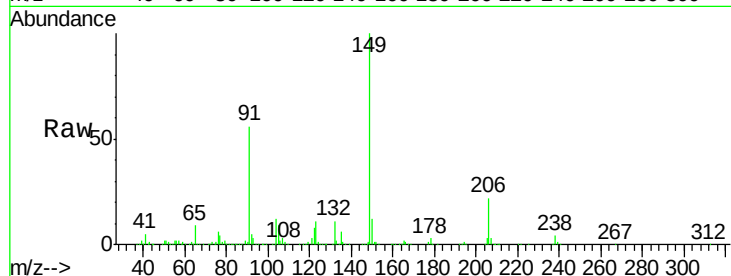




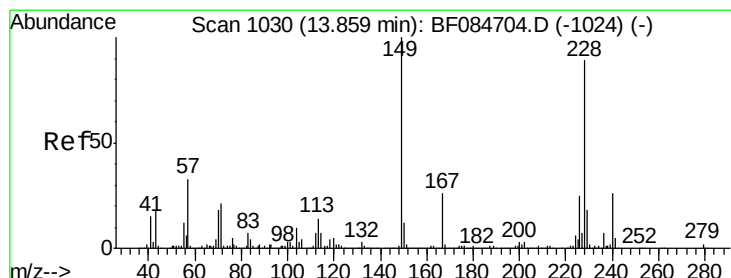
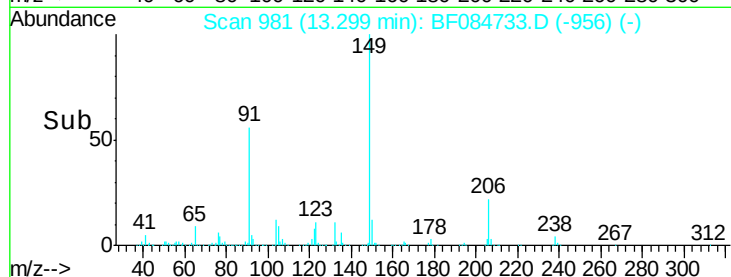
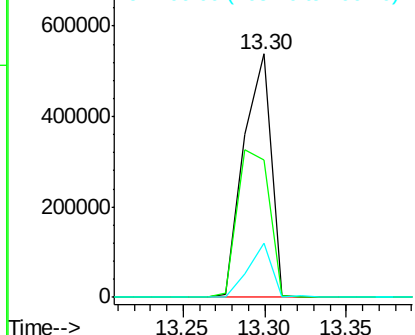
#79
Butylbenzylphthalate
Concen: 53.13 ng
RT: 13.30 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Instrument :
BNA_F
ClientSampleId :
EP002MSD

Tgt Ion:149 Resp: 625139
Ion Ratio Lower Upper
149 100
91 56.4 57.6 86.4#
206 22.4 13.2 19.8#

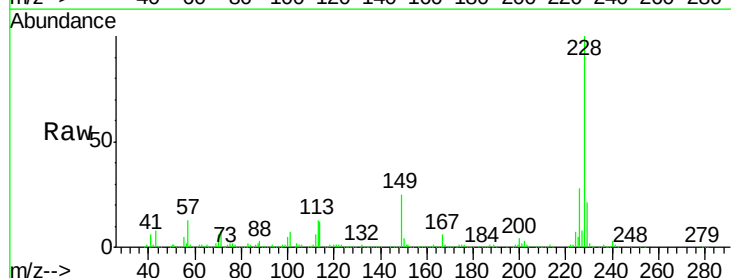


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

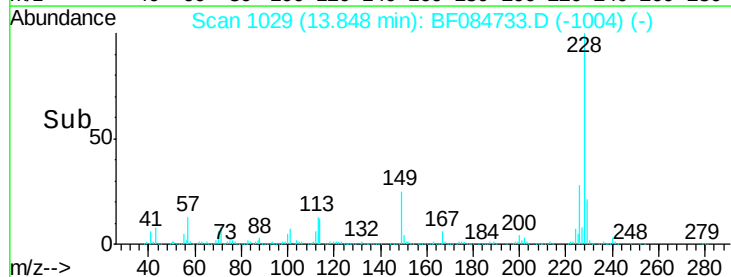
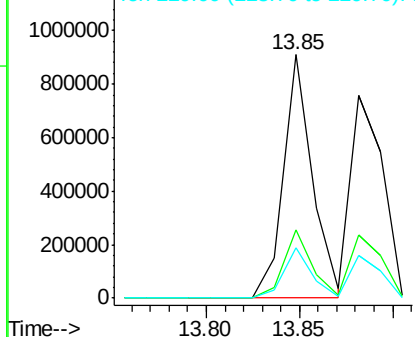


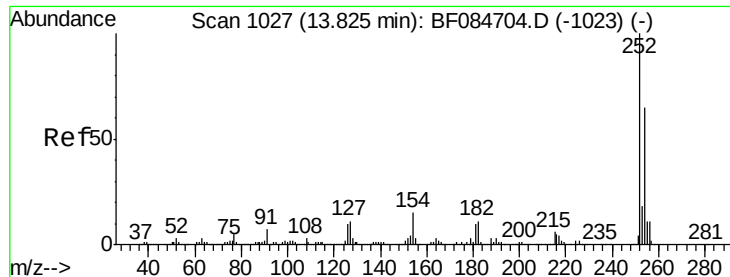
#80
Benzo(a)anthracene
Concen: 46.81 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084733.D
Acq: 2 Feb 2016 2:23

Tgt Ion:228 Resp: 984282
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.6
229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

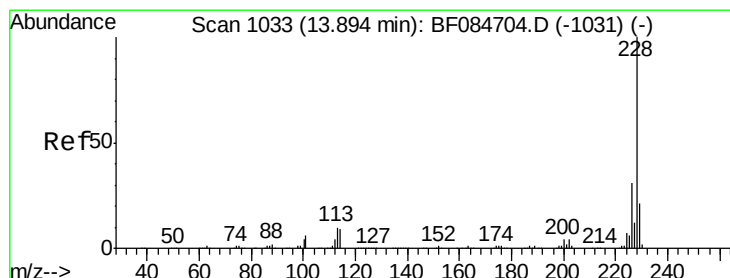
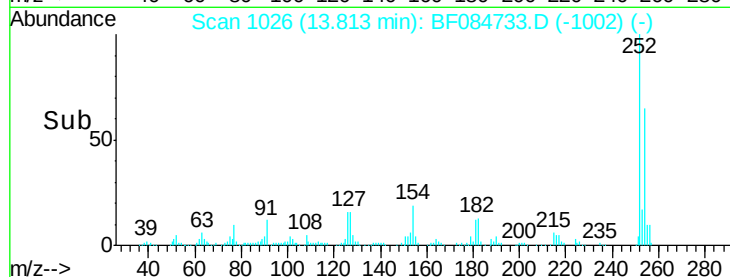
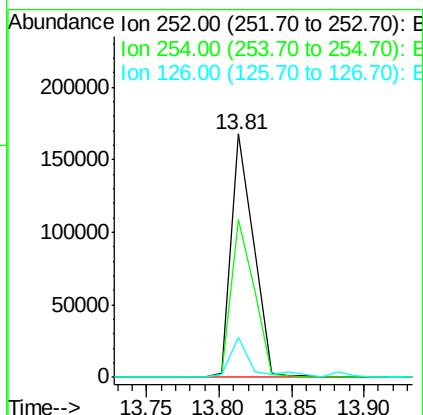
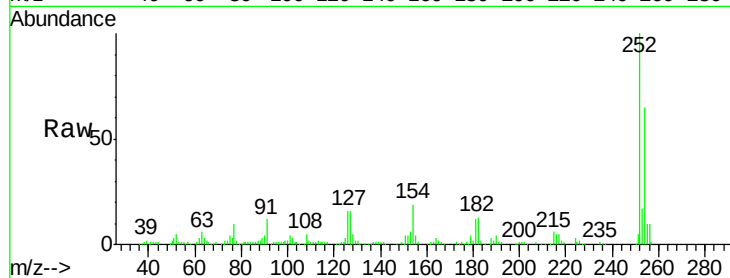




#81
 3,3'-Dichlorobenzidine
 Concen: 24.27 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

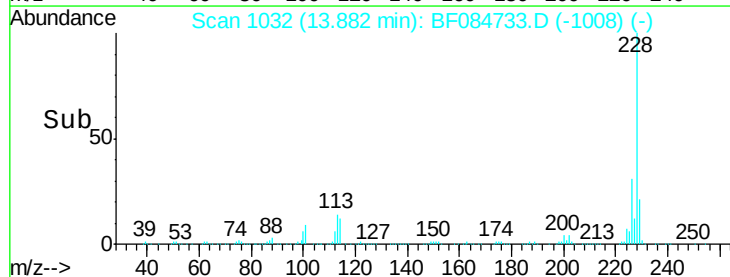
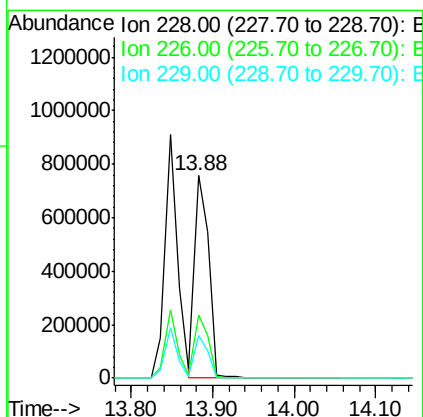
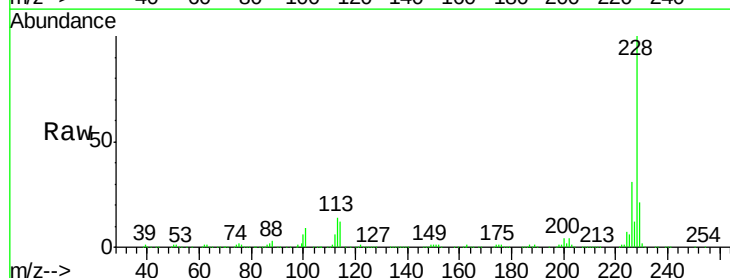
Instrument :
 BNA_F
 ClientSampleId :
 EP002MSD

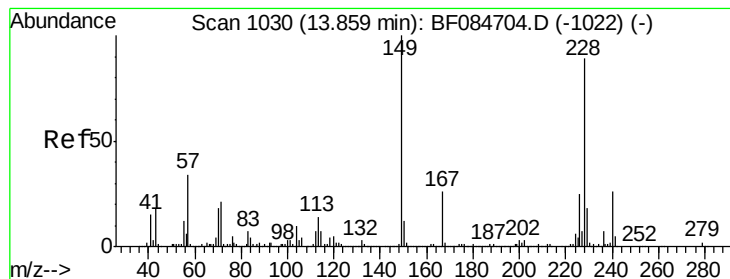
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	53.5	80.3
126	16.4	4.9	7.3#



#82
 Chrysene
 Concen: 45.03 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.3	36.5
229	21.2	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 54.54 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

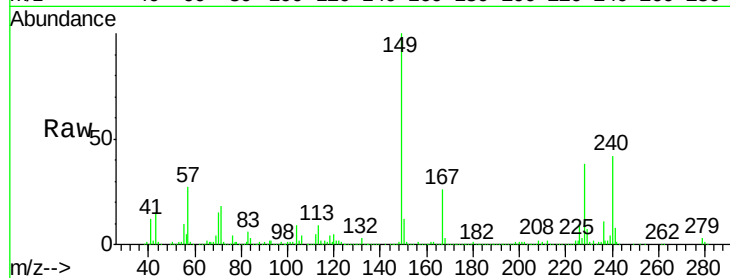
Tgt Ion:149 Resp: 798661

Ion Ratio Lower Upper

149 100

167 26.4 19.7 29.5

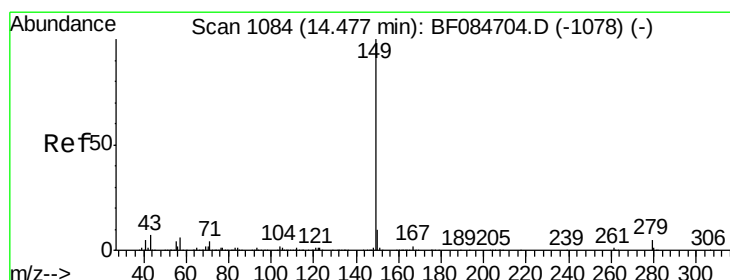
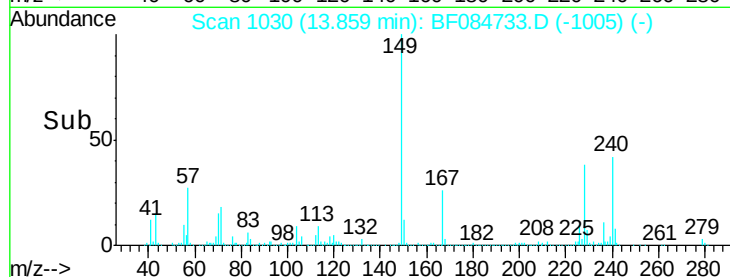
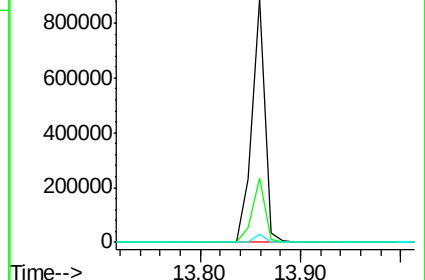
279 3.2 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 48.19 ng

RT: 14.46 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

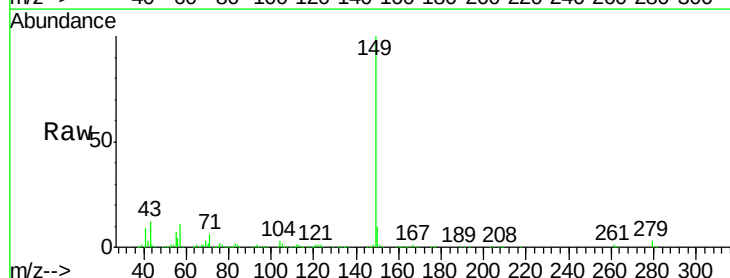
Tgt Ion:149 Resp: 1164110

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

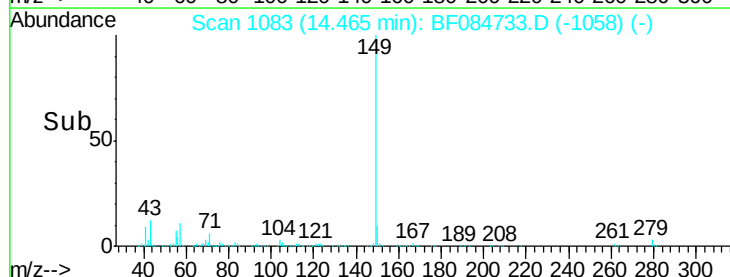
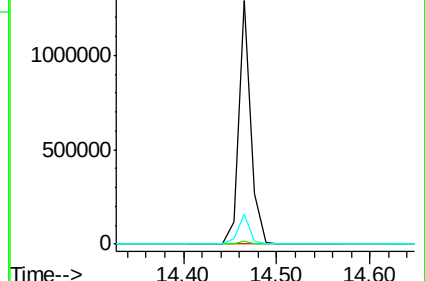
43 12.0 5.6 8.4#

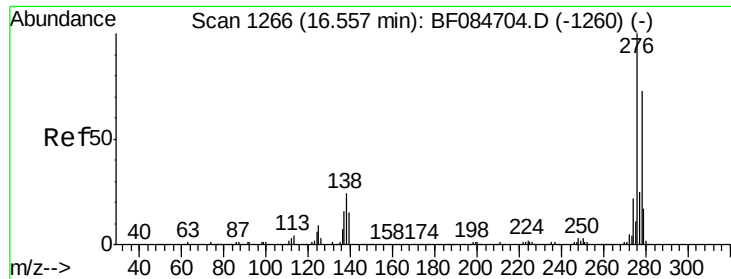


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

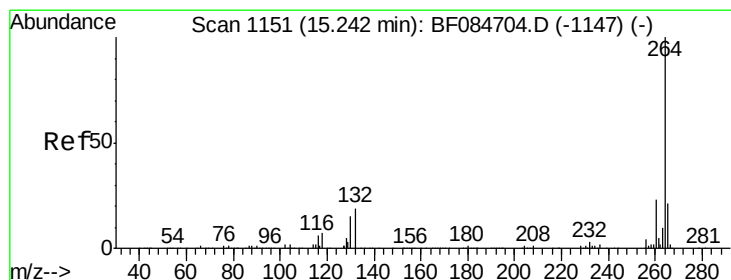
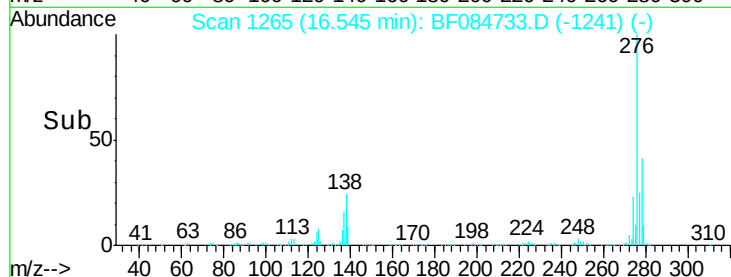
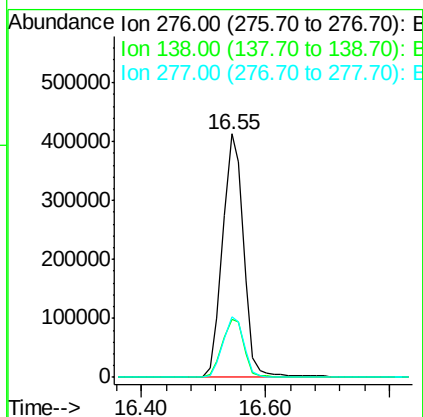
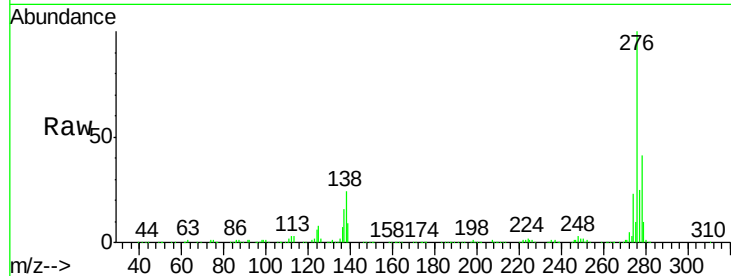




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 60.44 ng
 RT: 16.55 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

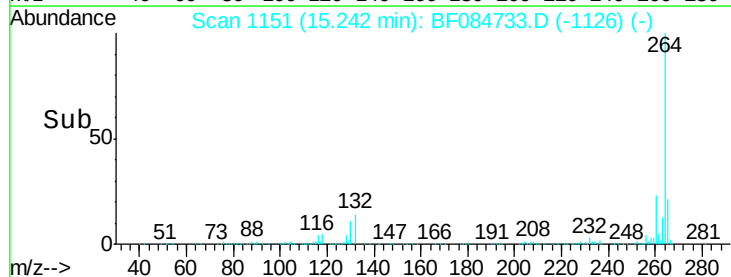
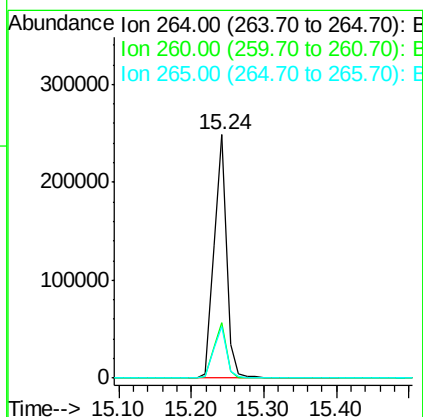
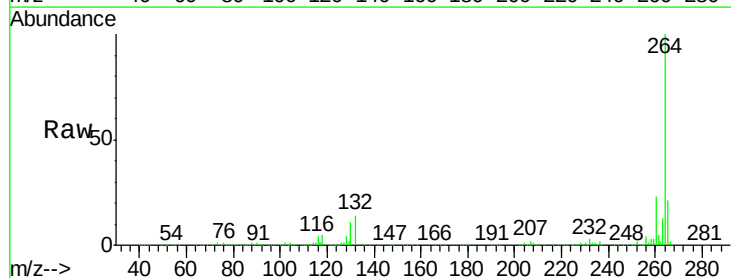
Instrument :
 BNA_F
 ClientSampled :
 EP002MSD

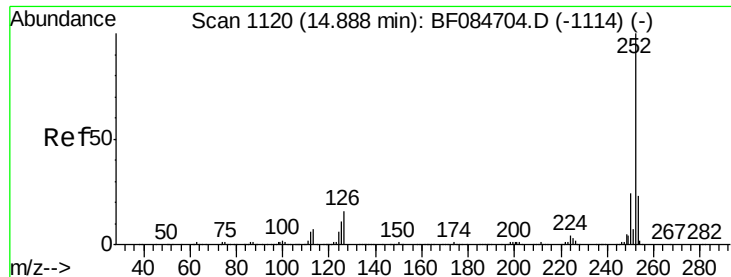
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.6	30.8
277	25.1	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF084733.D
 Acq: 2 Feb 2016 2:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.2	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 85.84 ng

RT: 14.89 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

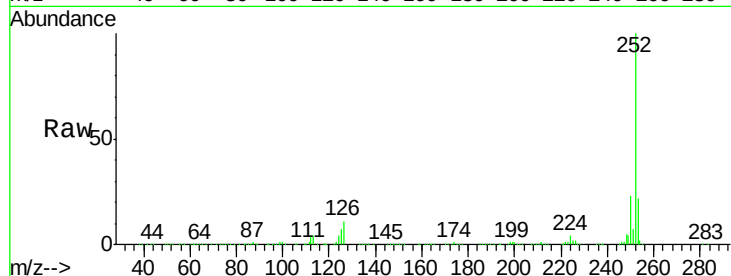
Tgt Ion:252 Resp: 1724001

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

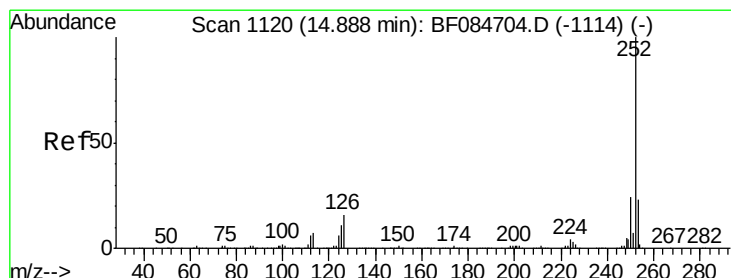
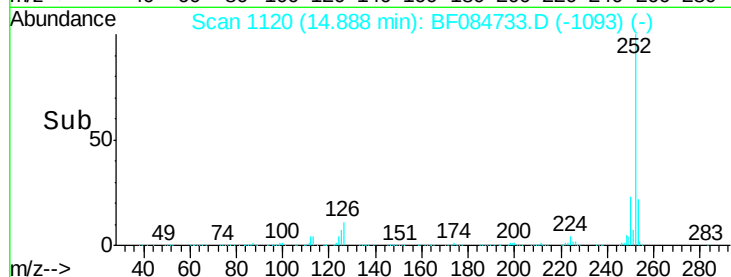
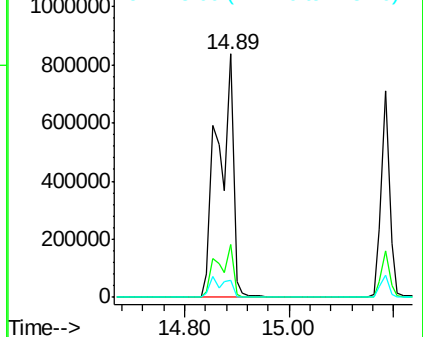
125 7.1 6.5 9.7



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



#88

Benzo(k)fluoranthene

Concen: 103.81 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

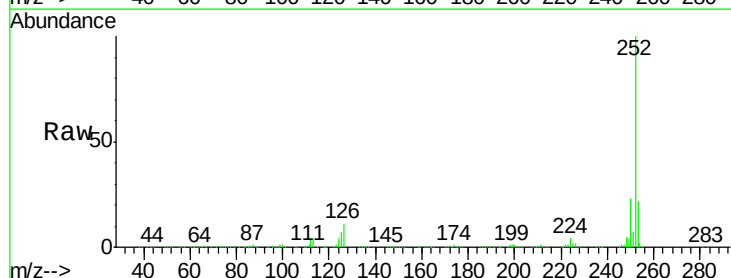
Tgt Ion:252 Resp: 1724001

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

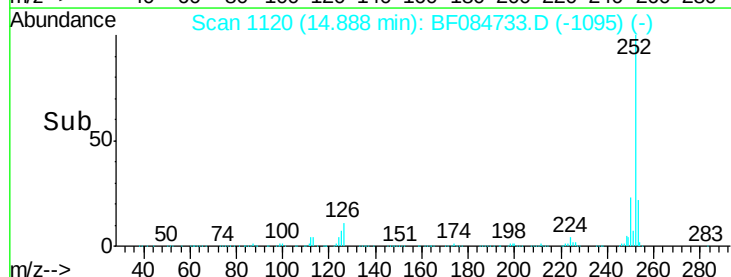
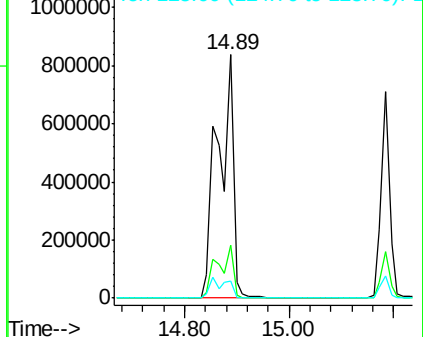
125 7.1 9.0 13.6#

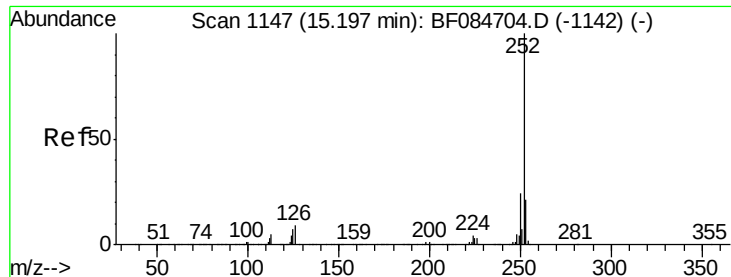


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 47.74 ng

RT: 15.19 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

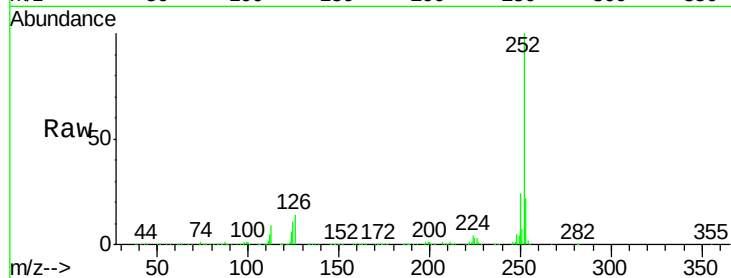
Tgt Ion:252 Resp: 817035

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

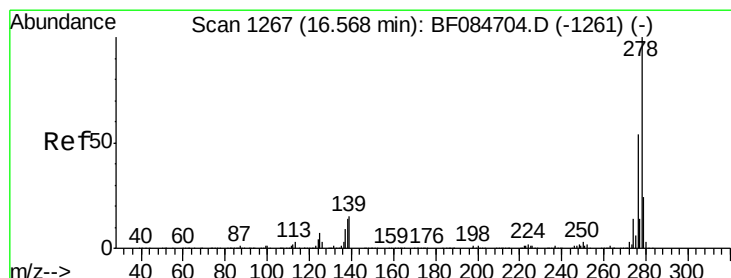
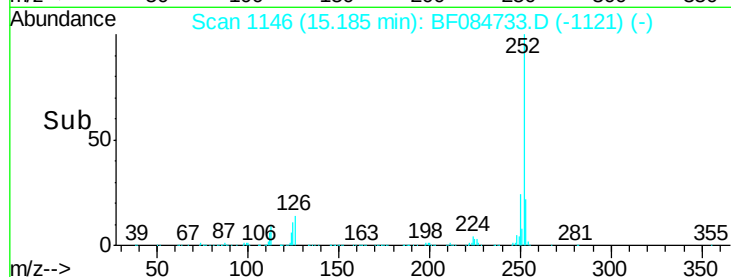
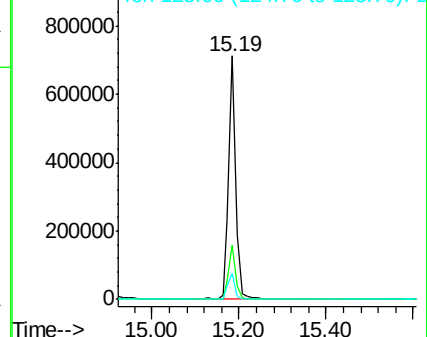
125 10.7 7.0 10.4#



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: 55.68 ng

RT: 16.56 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

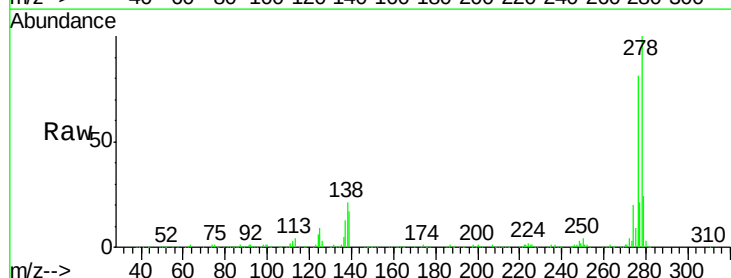
Tgt Ion:278 Resp: 802127

Ion Ratio Lower Upper

278 100

139 17.4 15.0 22.4

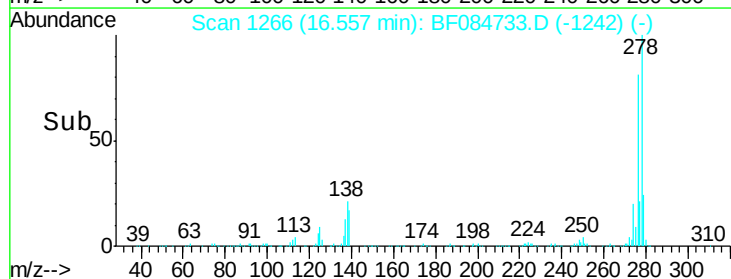
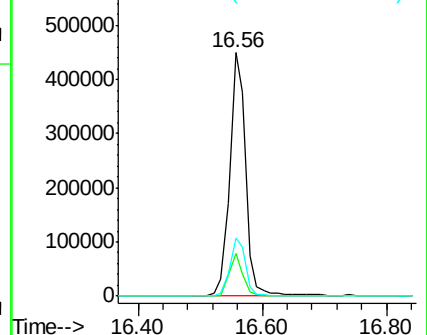
279 23.7 18.9 28.3

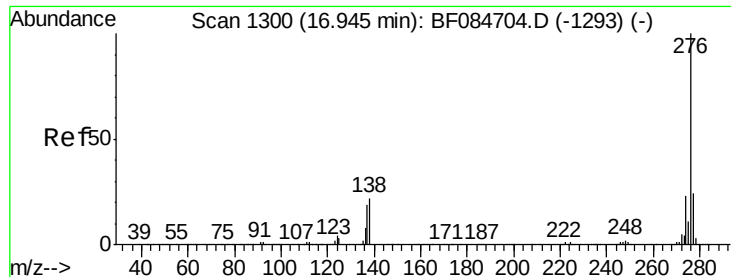


Abundance Ion 278.00 (277.70 to 278.70): E

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: 57.60 ng

RT: 16.95 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF084733.D

Acq: 2 Feb 2016 2:23

Instrument :

BNA_F

ClientSampleId :

EP002MSD

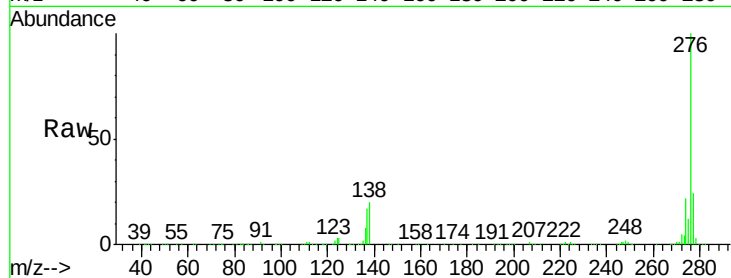
Tgt Ion: 276 Resp: 835899

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 19.7 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

