

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085816.D
 Acq On : 28 Mar 2016 22:10
 Operator : UM/SJ
 Sample : H1937-05MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

Quant Time: Mar 29 03:38:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111789	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	459416	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	198128	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	361531	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	214056	20.00	ng	0.00
86) Perylene-d12	15.39	264	188018	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	685692	102.15	ng	0.01
7) Phenol-d6	6.46	99	894879	104.86	ng	0.00
23) Nitrobenzene-d5	7.38	82	541550	66.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	212376	112.82	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	833083	70.25	ng	-0.01
78) Terphenyl-d14	12.93	244	732213	70.35	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.44	88	83461	26.04	ng	96
3) Pyridine	3.16	79	212392	27.64	ng	100
4) n-Nitrosodimethylamine	3.09	42	98774	32.11	ng	93
6) Aniline	6.48	93	271471	23.63	ng	96
8) 2-Chlorophenol	6.60	128	234177	30.03	ng	86
9) Benzaldehyde	6.37	77	29279	5.69	ng	90
10) Phenol	6.47	94	340795	35.25	ng	94
11) bis(2-Chloroethyl)ether	6.55	93	216820	29.14	ng	94
12) 1,3-Dichlorobenzene	6.84	146	261226	31.10	ng	97
13) 1,4-Dichlorobenzene	6.84	146	261226	30.67	ng	94
14) 1,2-Dichlorobenzene	6.98	146	244767	30.84	ng	96
15) Benzyl Alcohol	6.96	79	195512	34.34	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	288023	29.17	ng	97
17) 2-Methylphenol	7.08	107	196905	31.54	ng	99
18) Hexachloroethane	7.33	117	96194	30.84	ng	90
19) n-Nitroso-di-n-propylamine	7.24	70	169595	33.19	ng	99
20) 3+4-Methylphenols	7.24	107	248525	33.11	ng	# 84
22) Acetophenone	7.22	105	323564	30.23	ng	# 97
24) Nitrobenzene	7.41	77	238449	28.35	ng	# 80
25) Isophorone	7.65	82	462290	29.42	ng	# 91
26) 2-Nitrophenol	7.72	139	122332	29.08	ng	# 82
27) 2,4-Dimethylphenol	7.76	122	235572	32.03	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	282264	31.52	ng	98
29) 2,4-Dichlorophenol	7.97	162	193145	31.24	ng	95
30) 1,2,4-Trichlorobenzene	8.05	180	212228	30.92	ng	96
31) Naphthalene	8.13	128	708369	30.60	ng	98
32) Benzoic acid	7.84	122	11350	2.32	ng	88
33) 4-Chloroaniline	8.17	127	183516	19.42	ng	# 93
34) Hexachlorobutadiene	8.24	225	105271	28.22	ng	98
35) Caprolactam	8.54	113	62391	28.49	ng	96
36) 4-Chloro-3-methylphenol	8.66	107	215330	29.82	ng	98
37) 2-Methylnaphthalene	8.81	142	444724	30.42	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	192101	32.70	ng	98
40) Hexachlorocyclopentadiene	8.97	237	108947	48.57	ng	98

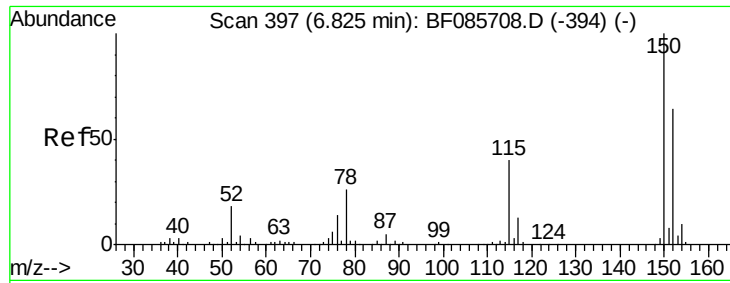
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.10	196	134774	33.96	ng	99
43) 2,4,5-Trichlorophenol	9.14	196	139778	33.59	ng #	94
45) 1,1'-Biphenyl	9.28	154	554296	33.15	ng	97
46) 2-Chloronaphthalene	9.30	162	406956	33.10	ng	94
47) 2-Nitroaniline	9.41	65	130453	34.70	ng #	84
48) Acenaphthylene	9.72	152	621726	31.04	ng	99
49) Dimethylphthalate	9.58	163	622465	41.41	ng	99
50) 2,6-Dinitrotoluene	9.65	165	107638	33.27	ng	89
51) Acenaphthene	9.89	154	366092	29.92	ng	100
52) 3-Nitroaniline	9.82	138	98411	26.57	ng	81
53) 2,4-Dinitrophenol	9.93	184	27632	21.67	ng #	72
54) Dibenzofuran	10.06	168	515920	32.58	ng	93
55) 4-Nitrophenol	9.99	139	152155	63.06	ng #	82
56) 2,4-Dinitrotoluene	10.05	165	127914	31.10	ng #	38
57) Fluorene	10.40	166	406528	30.88	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.18	232	110213	38.11	ng	95
59) Diethylphthalate	10.28	149	458037	30.84	ng	96
60) 4-Chlorophenyl-phenylether	10.40	204	207474	32.23	ng #	82
61) 4-Nitroaniline	10.42	138	99610	28.12	ng	87
62) Azobenzene	10.56	77	508942	35.66	ng	90
64) 4,6-Dinitro-2-methylphenol	10.46	198	54362	25.68	ng	98
65) n-Nitrosodiphenylamine	10.52	169	374948	32.74	ng	99
66) 4-Bromophenyl-phenylether	10.88	248	113266	30.62	ng #	75
67) Hexachlorobenzene	10.95	284	113280	29.29	ng #	67
68) Atrazine	11.04	200	110896	28.68	ng	96
69) Pentachlorophenol	11.16	266	115312	60.72	ng	99
70) Phenanthrene	11.36	178	605142	32.60	ng	100
71) Anthracene	11.42	178	674244	34.60	ng	99
72) Carbazole	11.57	167	551697	33.72	ng	98
73) Di-n-butylphthalate	11.90	149	704463	31.38	ng	99
74) Fluoranthene	12.55	202	592875	30.05	ng	94
76) Benzidine	12.68	184	270634	35.90	ng	97
77) Pyrene	12.78	202	597642	33.97	ng	100
79) Butylbenzylphthalate	13.40	149	272312	36.96	ng #	83
80) Benzo(a)anthracene	13.97	228	389691	31.93	ng	99
81) 3,3'-Dichlorobenzidine	13.92	252	89891	10.61	ng #	97
82) Chrysene	14.00	228	379733	30.89	ng	100
83) Bis(2-ethylhexyl)phthalate	13.96	149	333677	37.82	ng #	97
84) Di-n-octyl phthalate	14.56	149	470406	35.86	ng	100
85) Indeno(1,2,3-cd)pyrene	16.78	276	404191	42.58	ng	99
87) Benzo(b)fluoranthene	14.99	252	661496	55.85	ng	99
88) Benzo(k)fluoranthene	14.99	252	661496	61.95	ng #	98
89) Benzo(a)pyrene	15.33	252	328707	31.26	ng	97
90) Dibenzo(a,h)anthracene	16.79	278	339076	34.70	ng	98
91) Benzo(g,h,i)perylene	17.19	276	346937	35.06	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

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GW-04(16-18)MSD

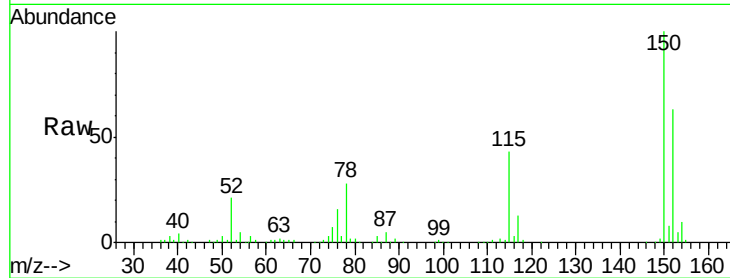
Tgt Ion:152 Resp: 111789

Ion Ratio Lower Upper

152 100

150 159.8 124.2 186.2

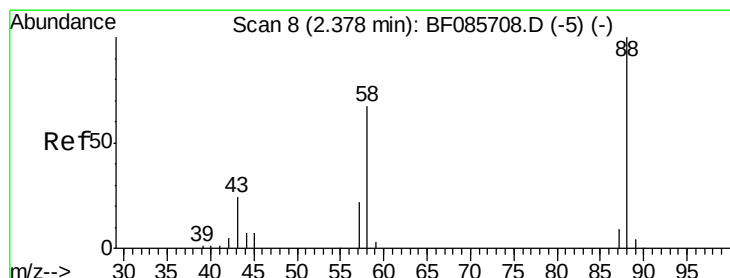
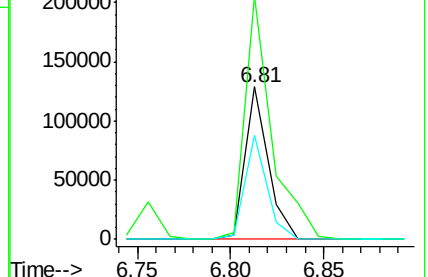
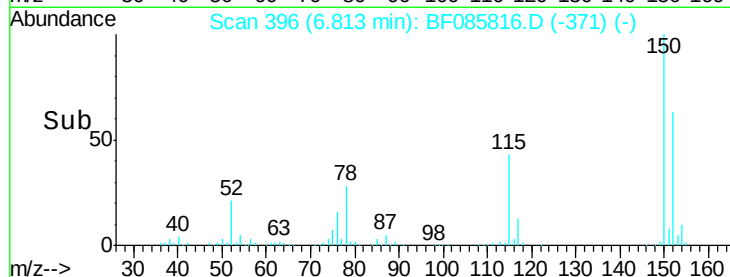
115 68.0 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 26.04 ng

RT: 2.44 min Scan# 13

Delta R.T. 0.06 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

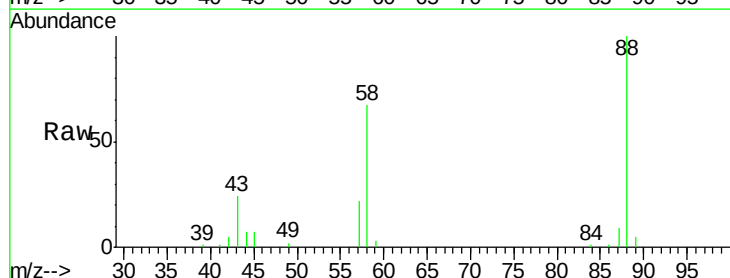
Tgt Ion: 88 Resp: 83461

Ion Ratio Lower Upper

88 100

58 71.1 54.2 81.2

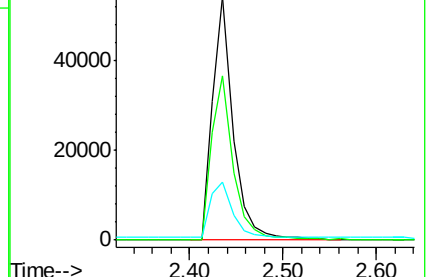
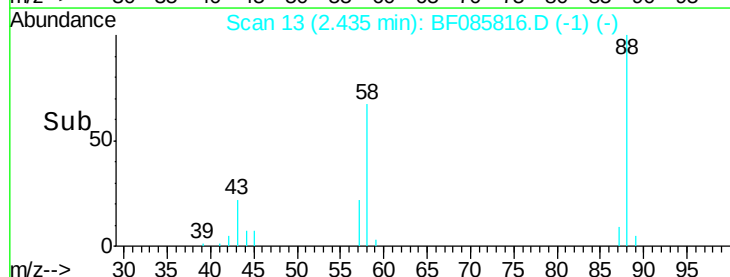
43 25.1 19.3 28.9

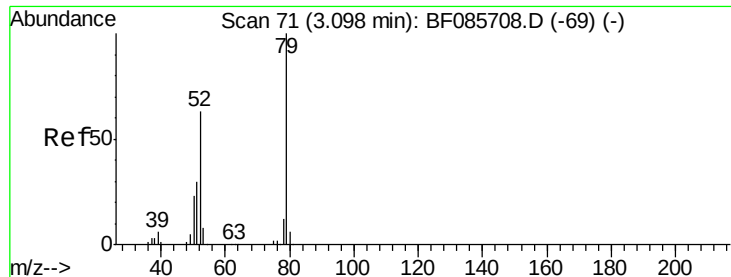


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 27.64 ng

RT: 3.16 min Scan# 76

Delta R.T. 0.06 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

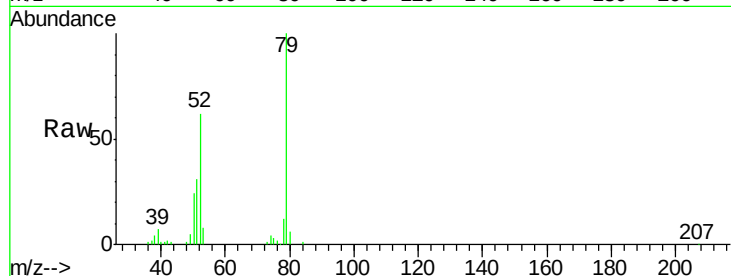
Tgt Ion: 79 Resp: 212392

Ion Ratio Lower Upper

79 100

52 61.9 49.8 74.6

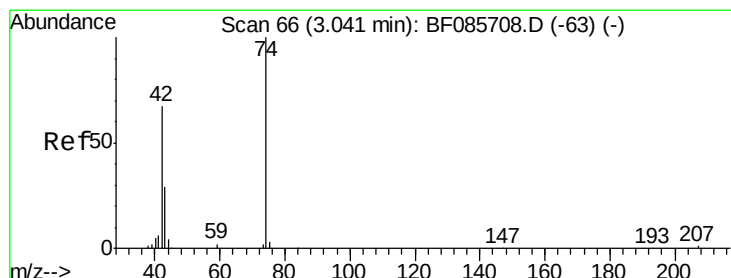
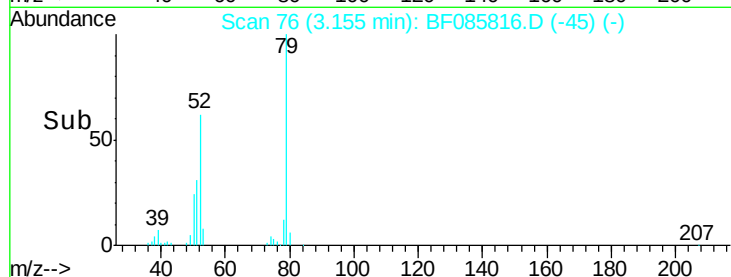
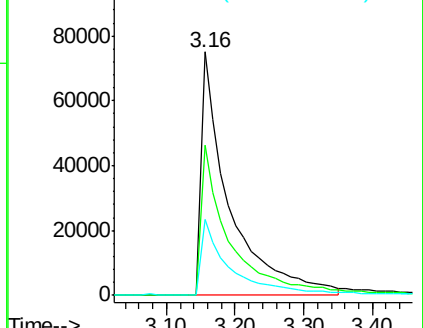
51 31.0 24.7 37.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 32.11 ng

RT: 3.09 min Scan# 70

Delta R.T. 0.05 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

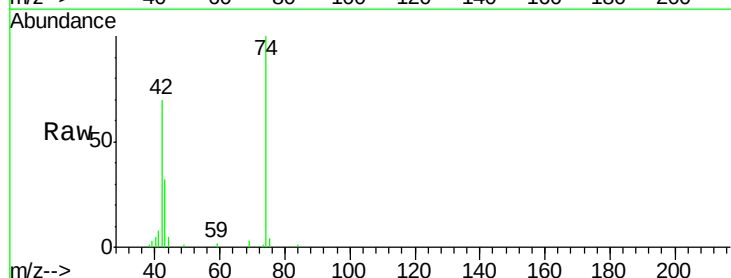
Tgt Ion: 42 Resp: 98774

Ion Ratio Lower Upper

42 100

74 142.1 121.4 182.2

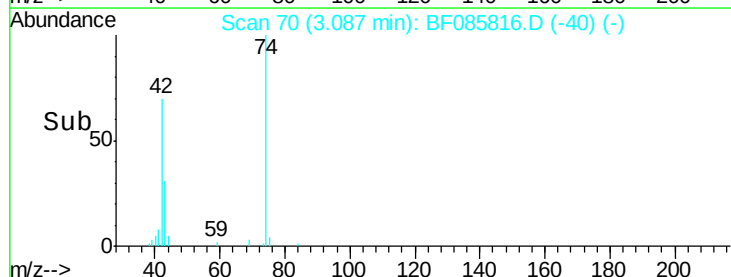
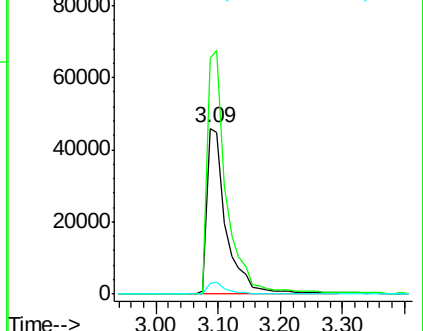
44 6.7 5.6 8.4

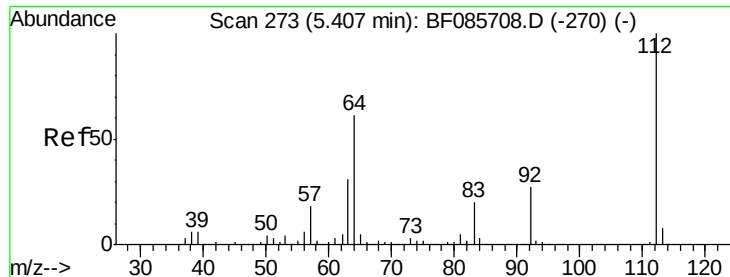


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 102.15 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

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ClientSampleId :

GW-04(16-18)MSD

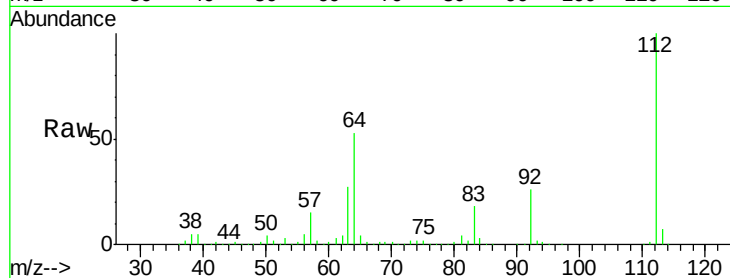
Tgt Ion: 112 Resp: 685692

Ion Ratio Lower Upper

112 100

64 53.3 39.9 59.9

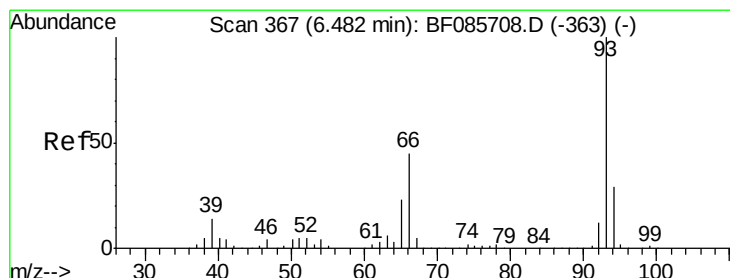
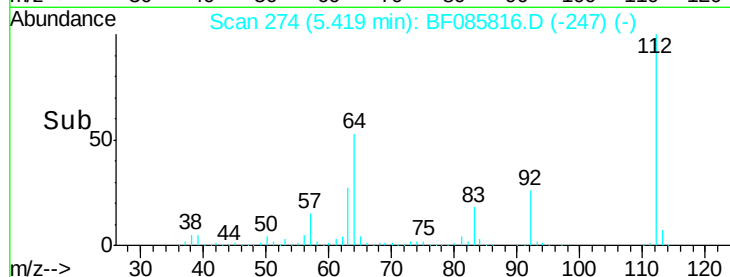
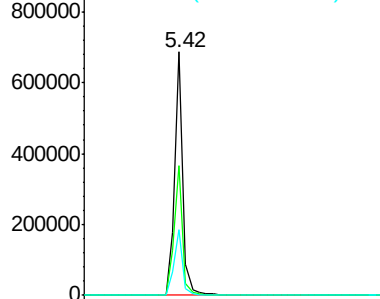
63 26.9 20.2 30.2



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: 23.63 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

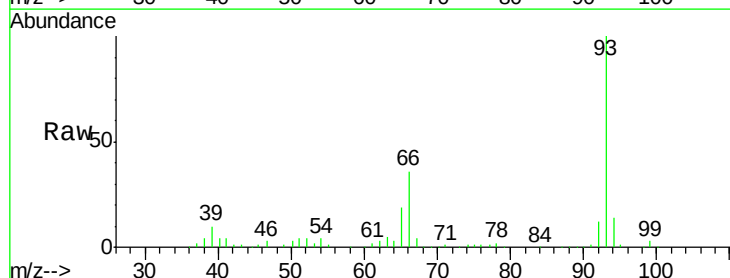
Tgt Ion: 93 Resp: 271471

Ion Ratio Lower Upper

93 100

66 36.3 31.4 47.2

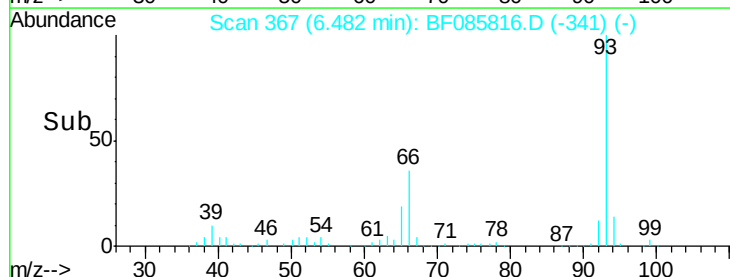
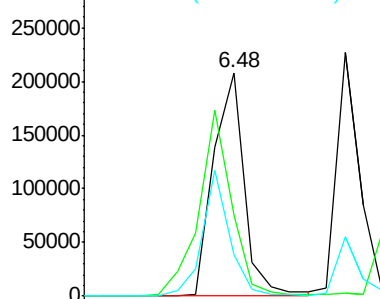
65 18.6 15.7 23.5

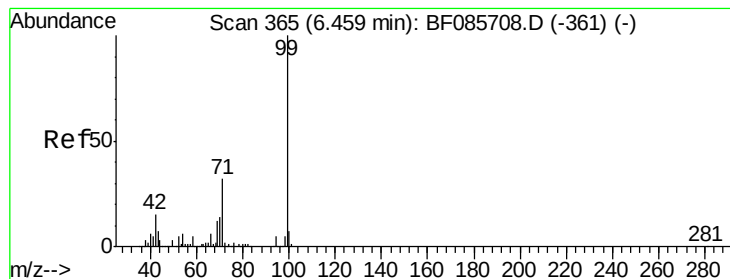


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 104.86 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

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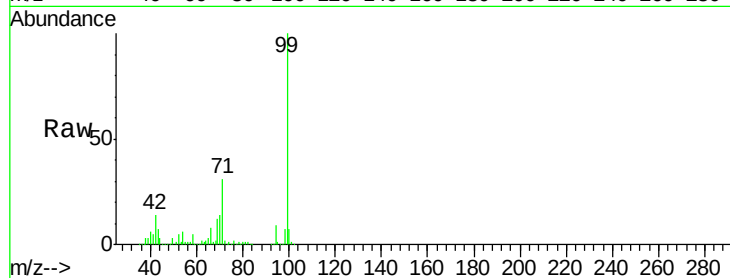
Tgt Ion: 99 Resp: 894879

Ion Ratio Lower Upper

99 100

42 14.0 11.1 16.7

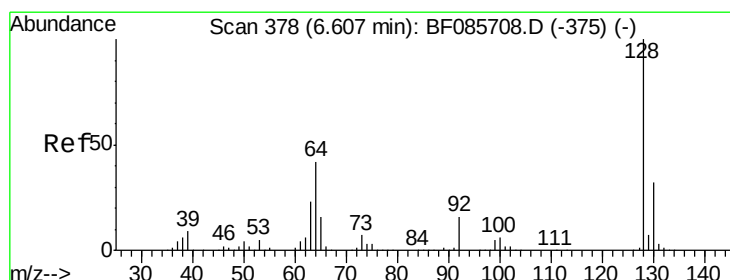
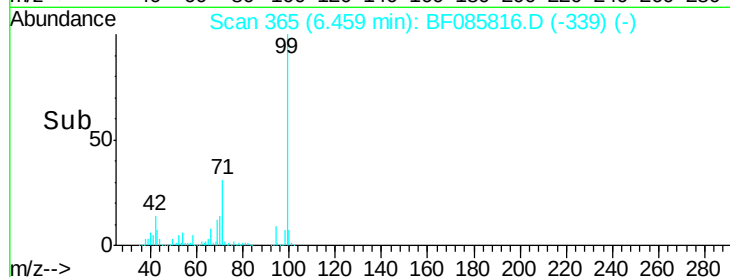
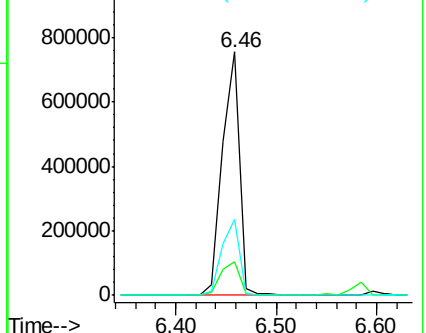
71 31.3 24.9 37.3



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: 30.03 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

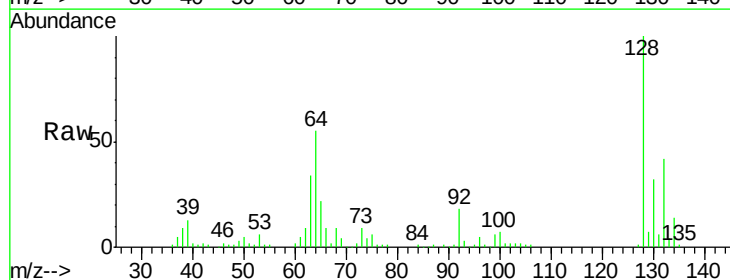
Tgt Ion: 128 Resp: 234177

Ion Ratio Lower Upper

128 100

130 31.8 12.9 52.9

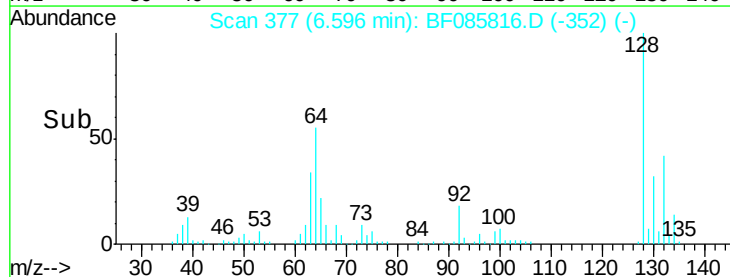
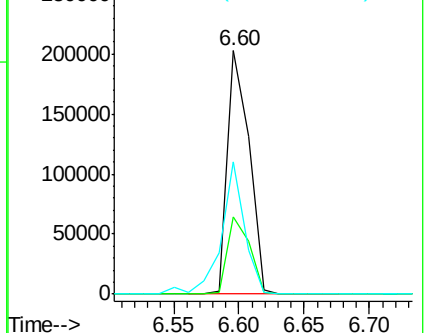
64 54.6 20.2 60.2

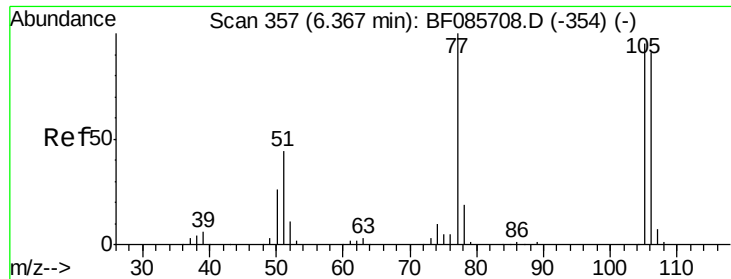


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

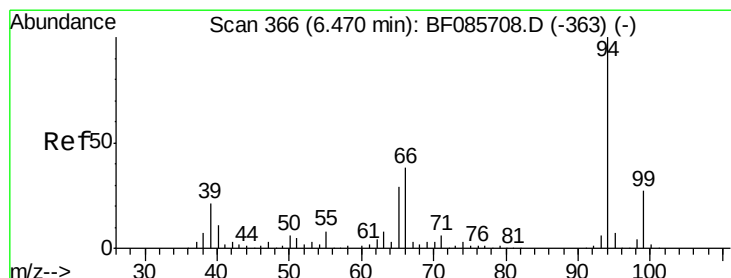
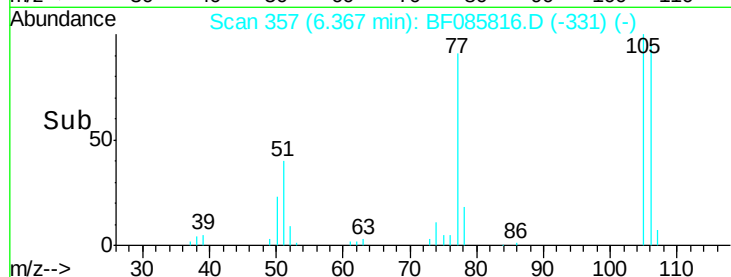
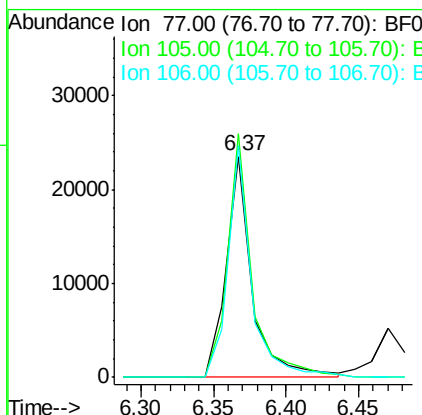
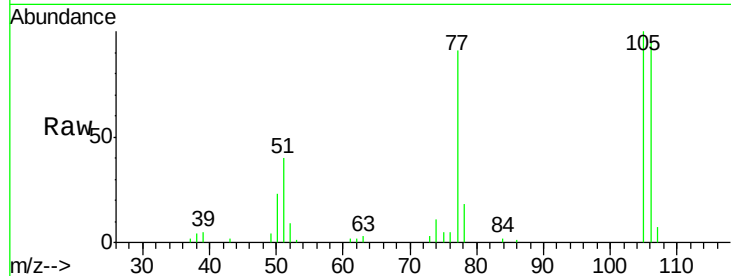




#9
Benzaldehyde
Concen: 5.69 ng
RT: 6.37 min Scan# 357
Delta R.T. -0.00 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

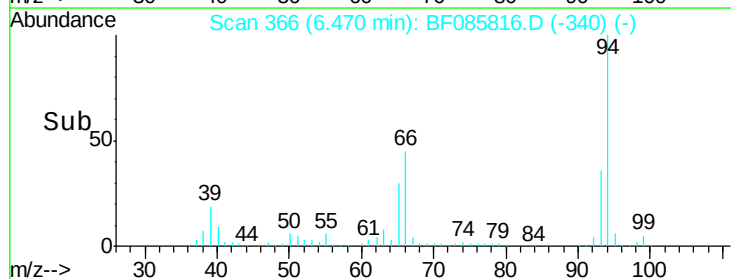
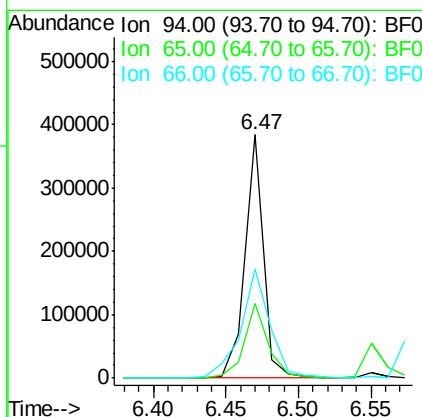
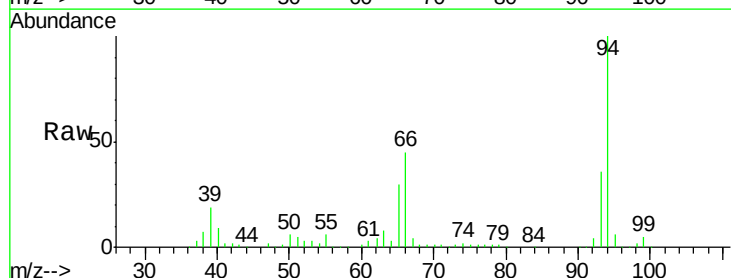
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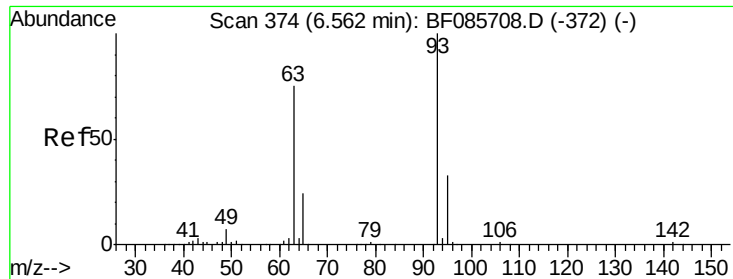
Tgt Ion: 77 Resp: 29279
Ion Ratio Lower Upper
77 100
105 110.2 80.1 120.1
106 104.9 75.0 115.0



#10
Phenol
Concen: 35.25 ng
RT: 6.47 min Scan# 366
Delta R.T. -0.00 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion: 94 Resp: 340795
Ion Ratio Lower Upper
94 100
65 30.4 8.6 48.6
66 45.0 20.0 60.0

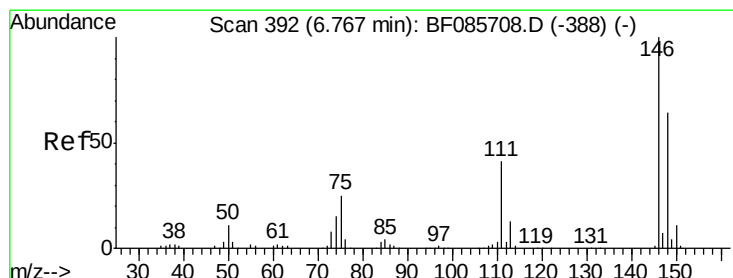
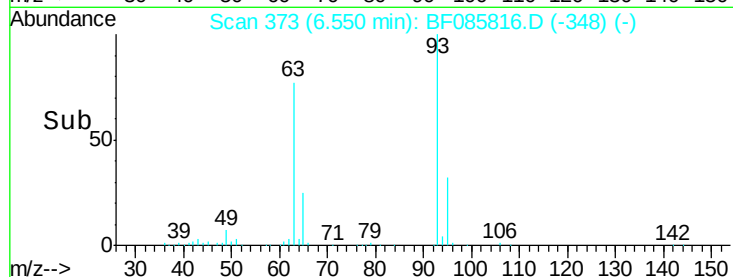
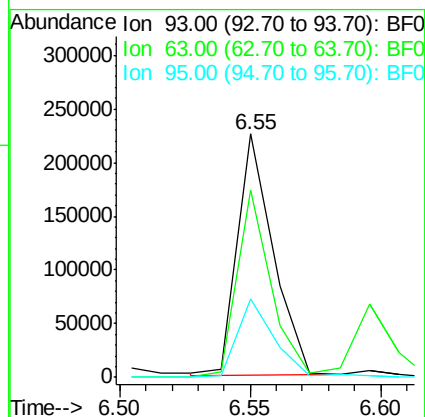
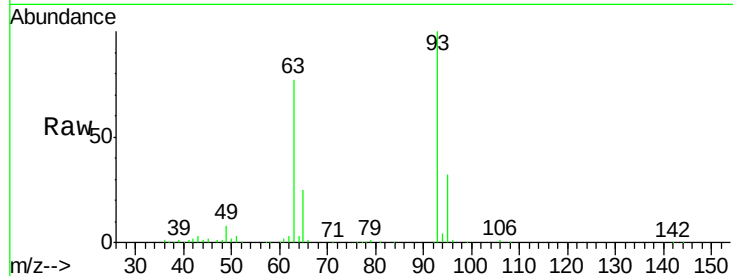




#11
bis(2-Chloroethyl)ether
Concen: 29.14 ng
RT: 6.55 min Scan# 373
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

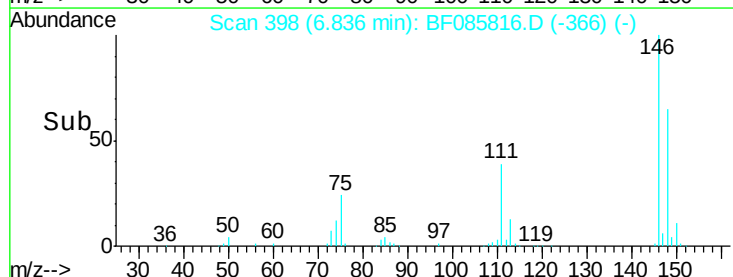
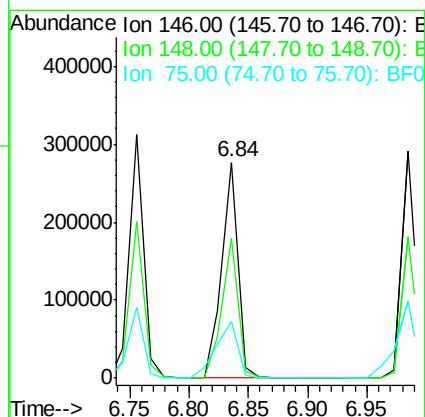
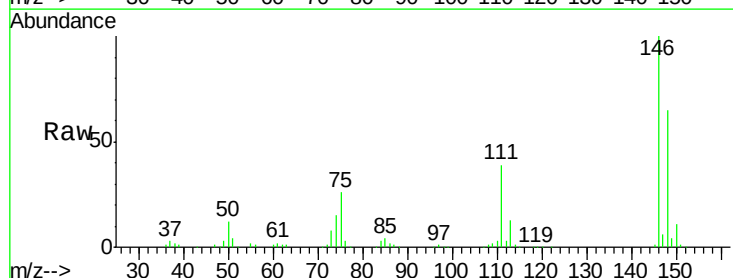
Instrument :
BNA_F
ClientSampleId :
GW-04(16-18)MSD

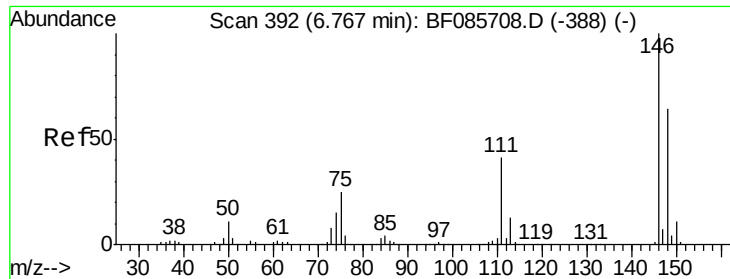
Tgt Ion: 93 Resp: 216820
Ion Ratio Lower Upper
93 100
63 76.9 50.9 90.9
95 32.2 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 31.10 ng
RT: 6.84 min Scan# 398
Delta R.T. 0.07 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion: 146 Resp: 261226
Ion Ratio Lower Upper
146 100
148 64.8 52.3 78.5
75 26.0 17.4 26.2

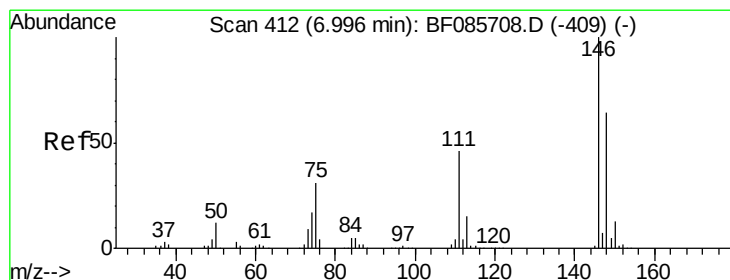
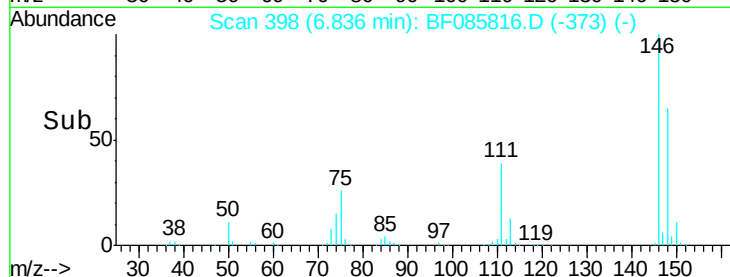
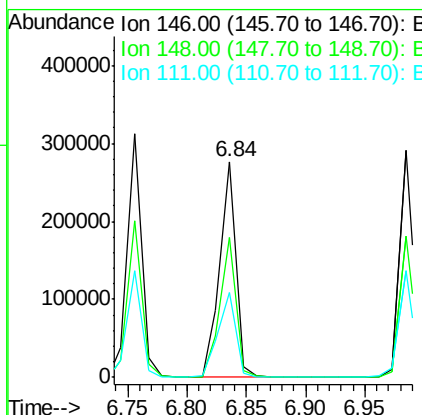
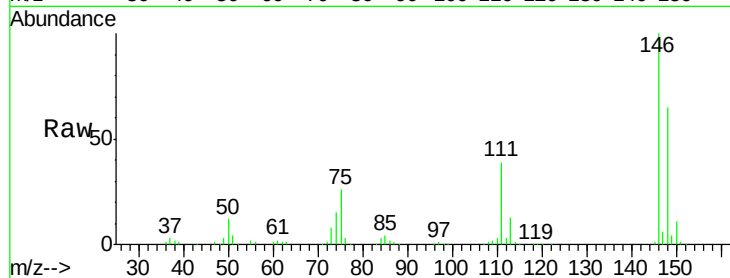




#13
 1,4-Dichlorobenzene
 Concen: 30.67 ng
 RT: 6.84 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

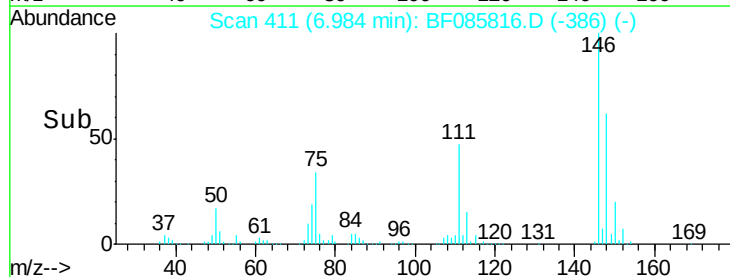
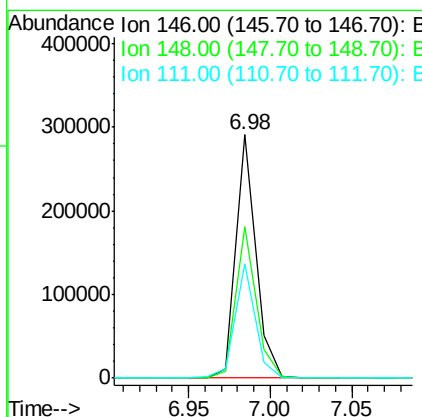
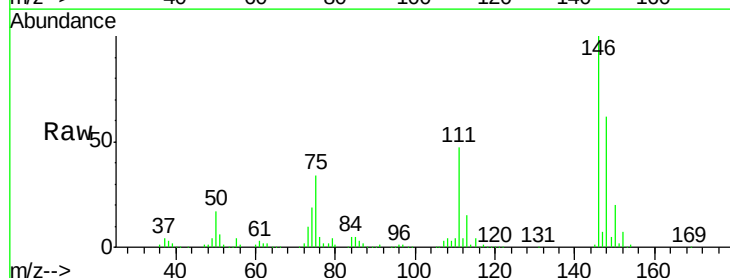
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

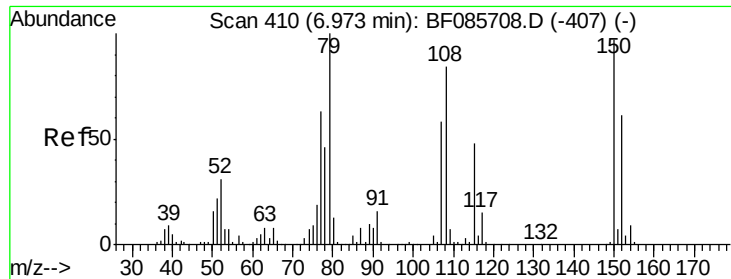
Tgt Ion:146 Resp: 261226
 Ion Ratio Lower Upper
 146 100
 148 64.8 50.6 76.0
 111 39.1 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 30.84 ng
 RT: 6.98 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:146 Resp: 244767
 Ion Ratio Lower Upper
 146 100
 148 62.0 51.4 77.2
 111 46.8 34.6 52.0

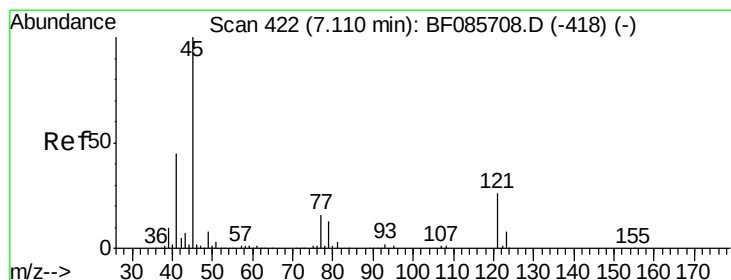
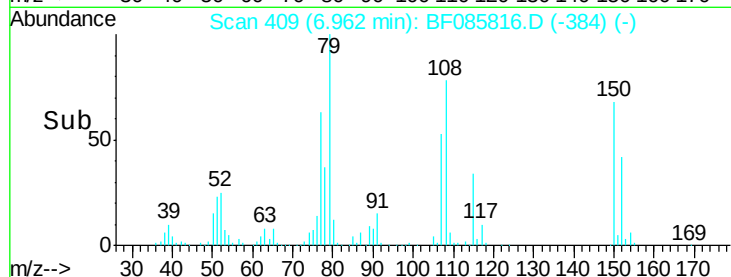
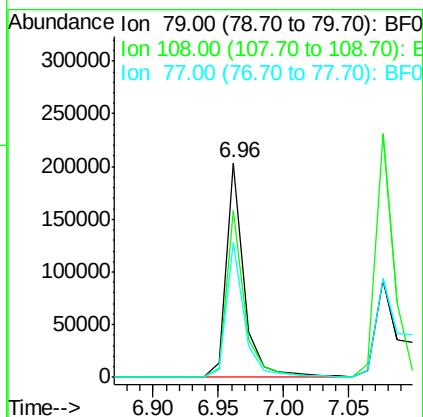
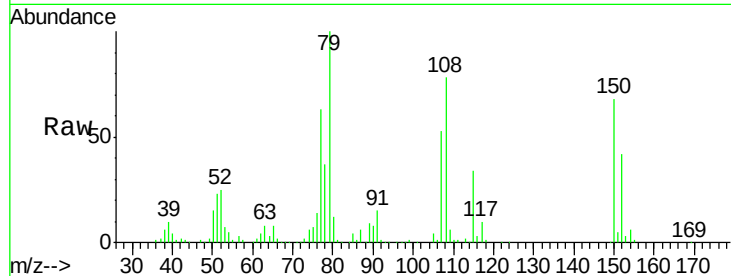




#15
Benzyl Alcohol
Concen: 34.34 ng
RT: 6.96 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

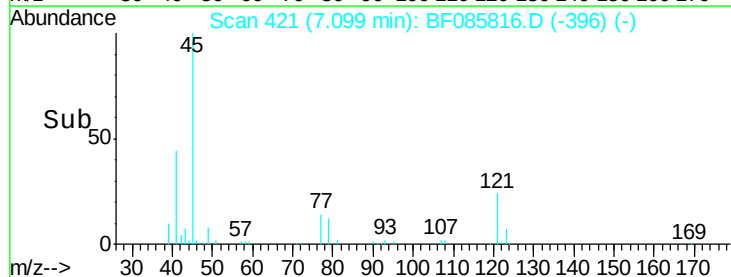
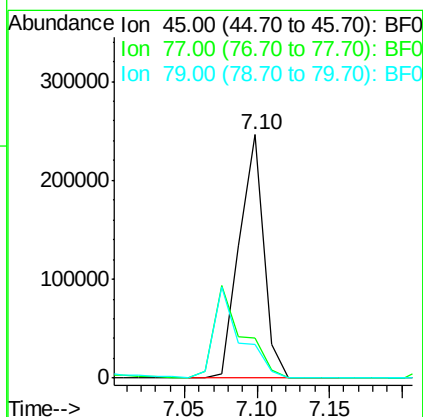
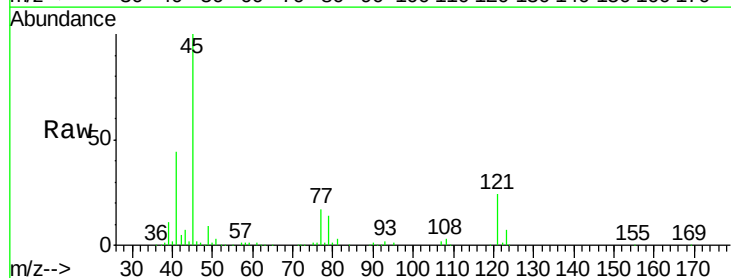
Instrument :
BNA_F
ClientSampleId :
GW-04(16-18)MSD

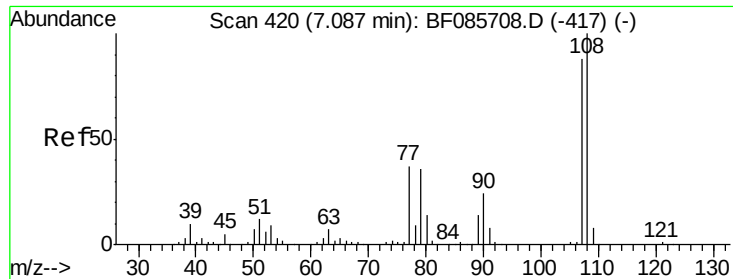
Tgt Ion: 79 Resp: 195512
Ion Ratio Lower Upper
79 100
108 77.7 61.8 92.6
77 62.7 49.6 74.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.17 ng
RT: 7.10 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion: 45 Resp: 288023
Ion Ratio Lower Upper
45 100
77 16.5 0.0 35.7
79 13.6 0.0 32.2





#17

2-Methylphenol

Concen: 31.54 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

Tgt Ion:107 Resp: 196905

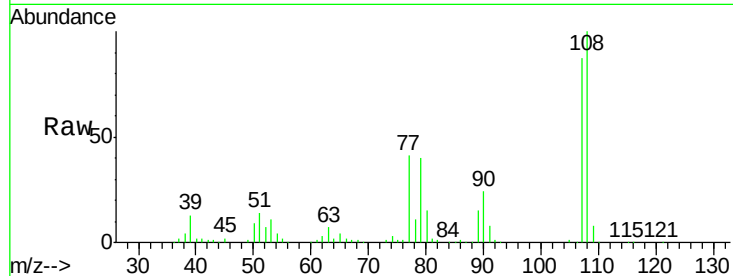
Ion Ratio Lower Upper

107 100

108 114.7 91.4 137.0

77 46.7 36.2 54.2

79 46.0 35.8 53.8

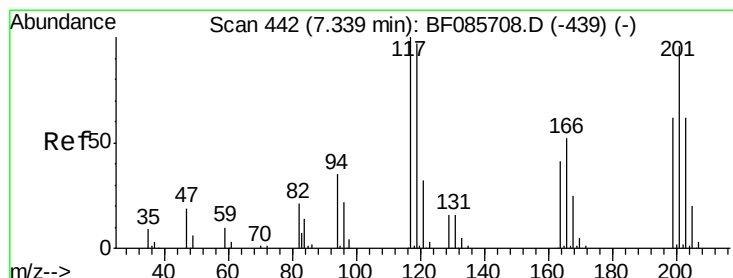
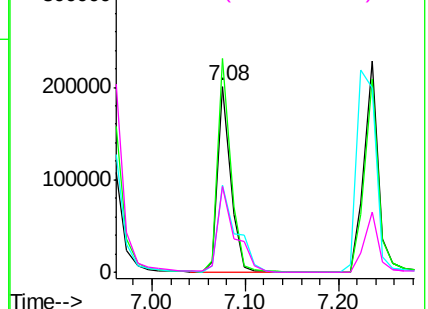
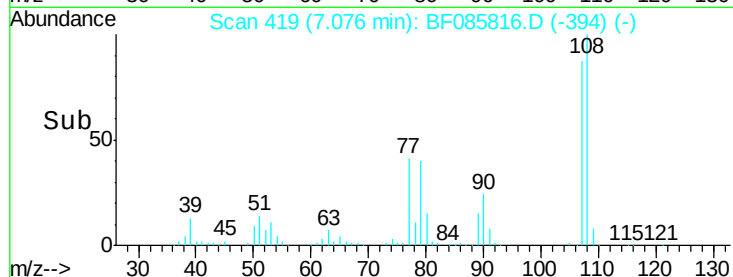


Abundance Ion 107.00 (106.70 to 107.70): E

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: 30.84 ng

RT: 7.33 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

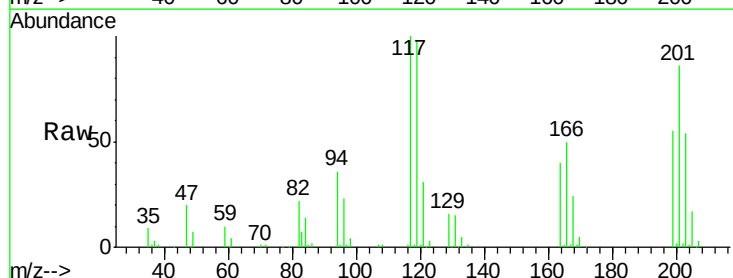
Tgt Ion:117 Resp: 96194

Ion Ratio Lower Upper

117 100

119 97.9 76.7 115.1

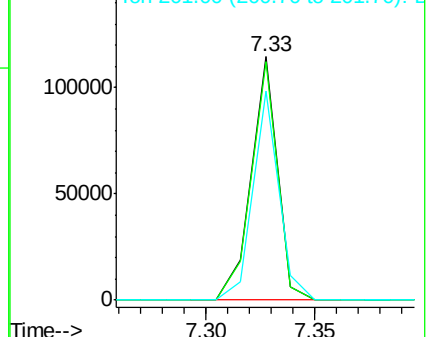
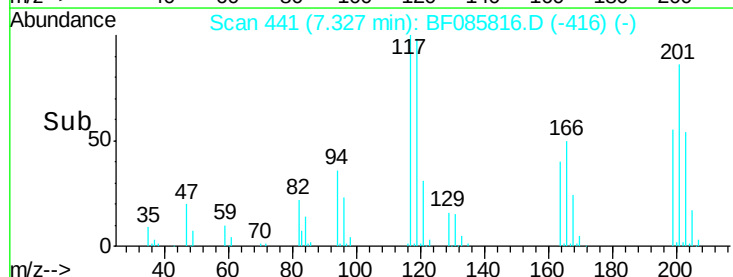
201 86.1 83.3 124.9

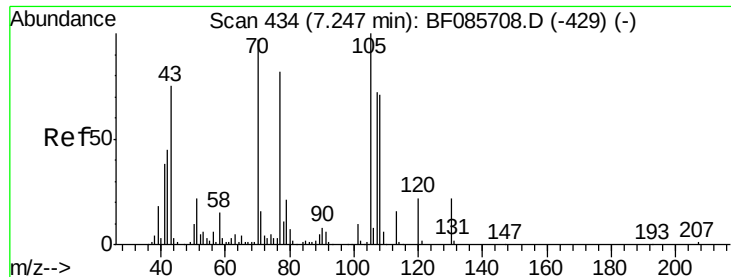


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

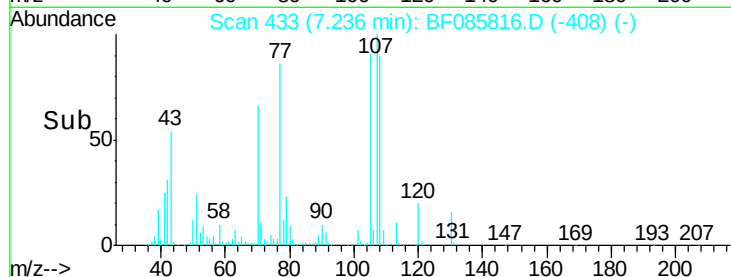
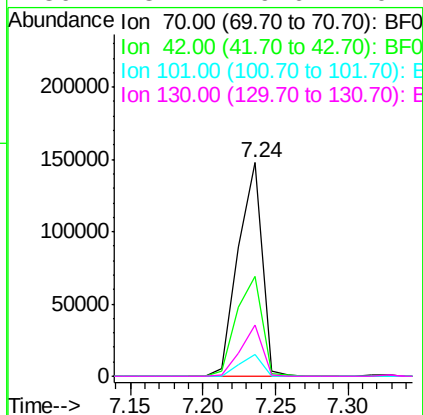
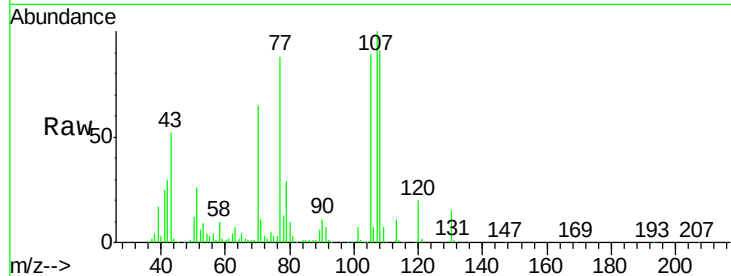




#19
n-Nitroso-di-n-propylamine
Concen: 33.19 ng
RT: 7.24 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

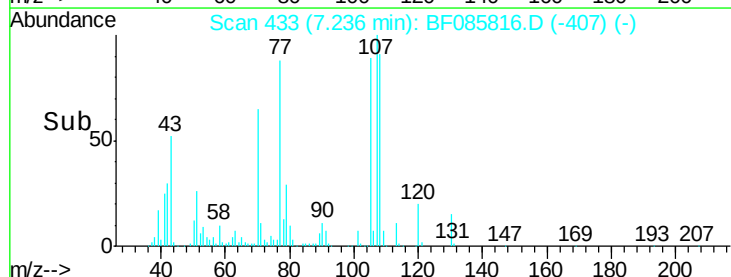
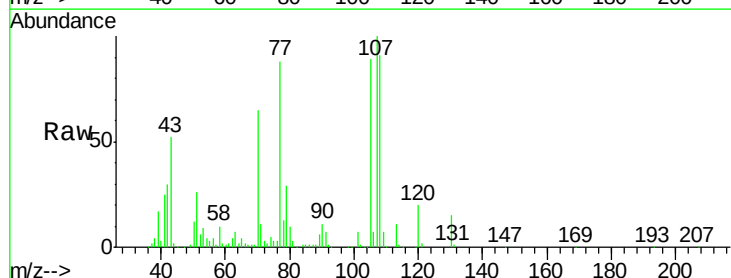
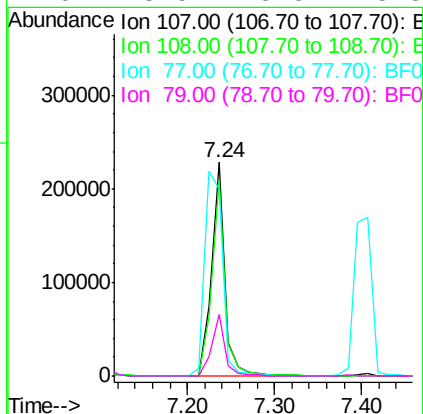
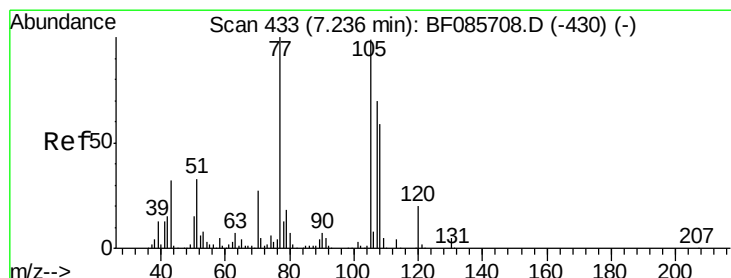
Instrument :
BNA_F
ClientSampleId :
GW-04(16-18)MSD

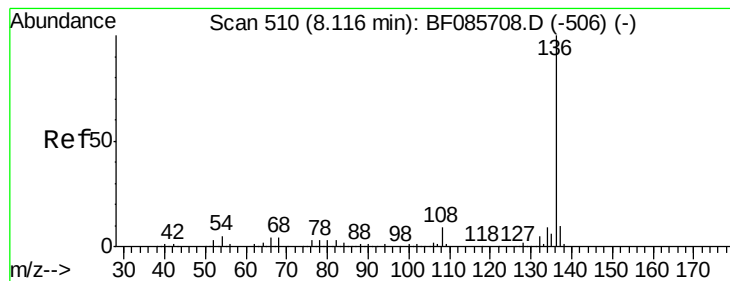
Tgt Ion:	70	Resp:	169595
Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.1	55.7
101	10.4	8.6	12.8
130	23.7	19.6	29.4



#20
3+4-Methylphenols
Concen: 33.11 ng
RT: 7.24 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion:	107	Resp:	248525
Ion	Ratio	Lower	Upper
107	100		
108	91.4	69.3	109.3
77	87.5	101.7	141.7#
79	28.5	8.3	48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

Tgt Ion:136 Resp: 459416

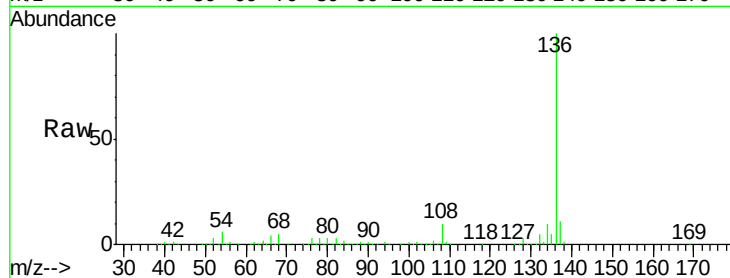
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.7 7.4 11.0#

68 4.9 5.8 8.8#

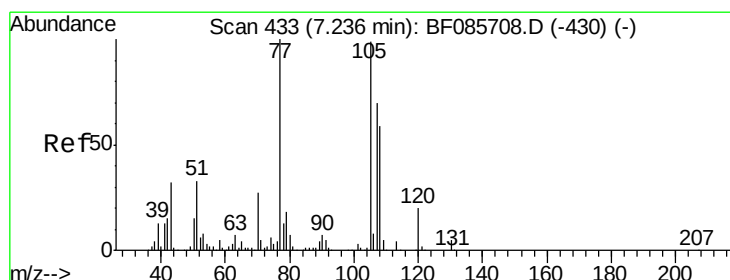
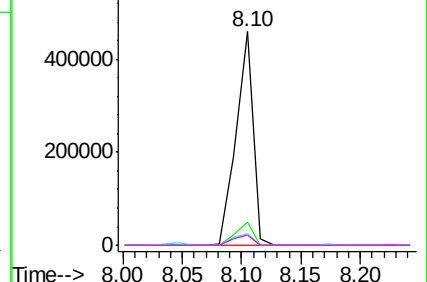
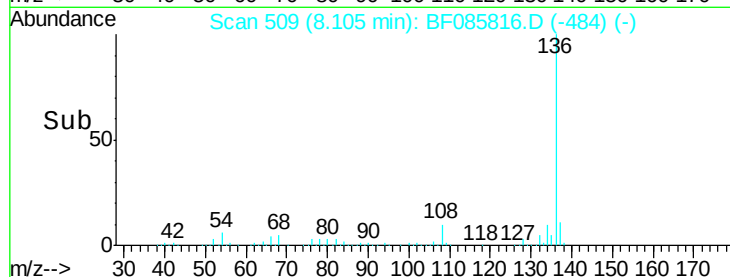


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 30.23 ng

RT: 7.22 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Tgt Ion:105 Resp: 323564

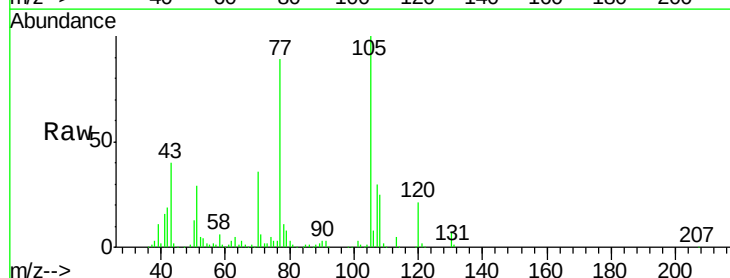
Ion Ratio Lower Upper

105 100

71 6.0 3.6 5.4#

51 29.5 25.4 38.0

120 20.7 16.9 25.3

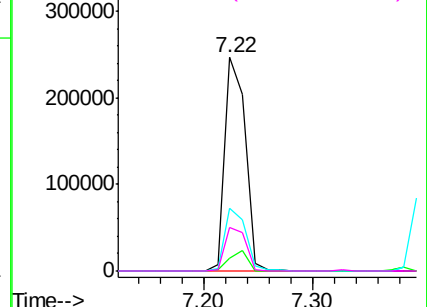
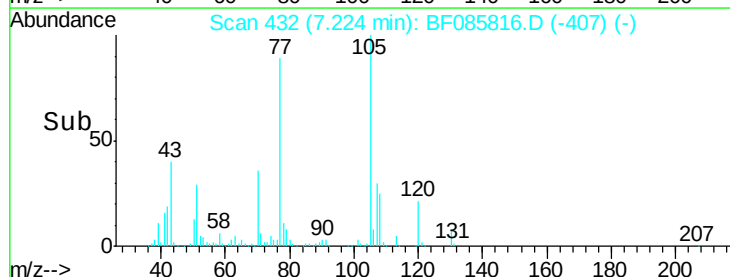


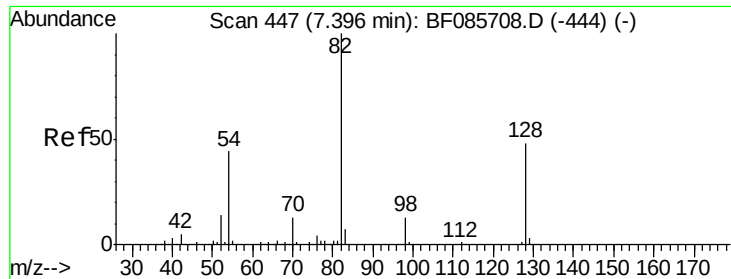
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

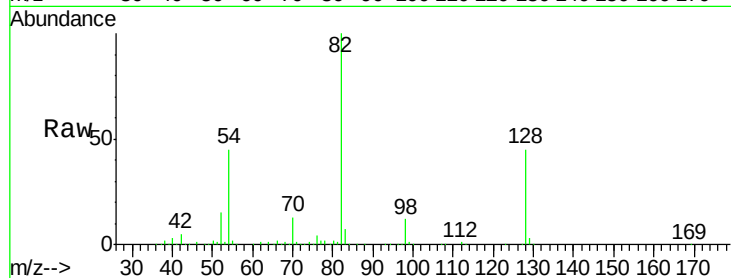




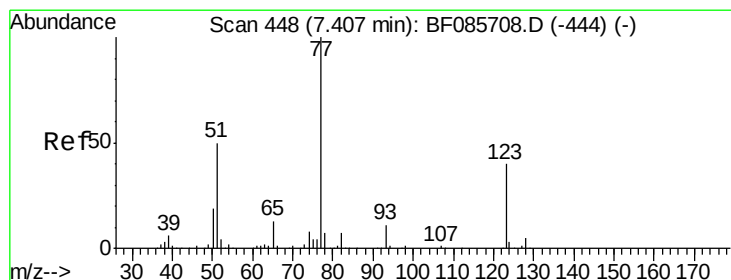
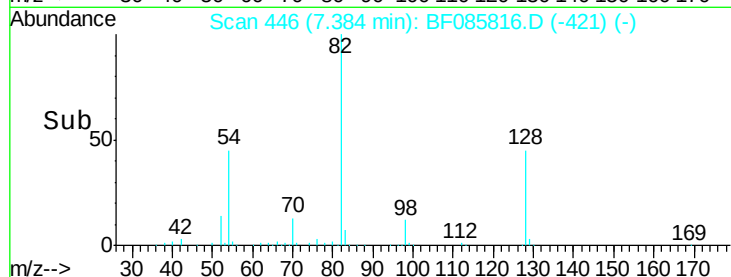
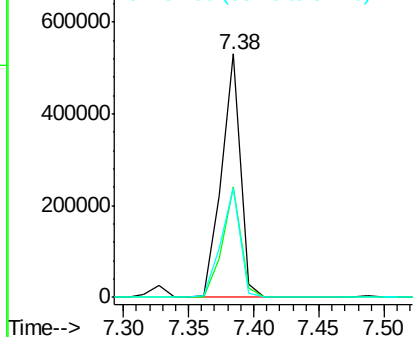
#23
 Nitrobenzene-d5
 Concen: 66.38 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	41.8	62.8
54	44.6	33.4	50.0

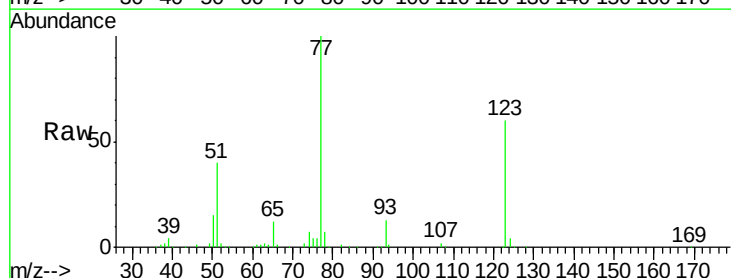


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

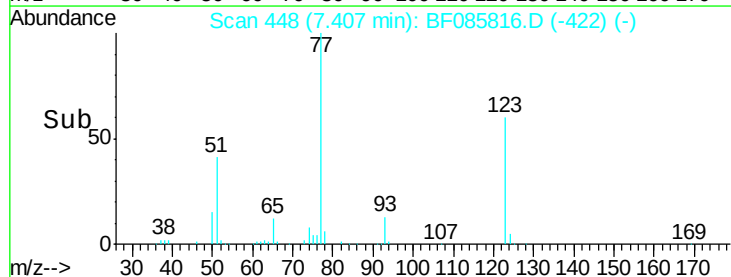
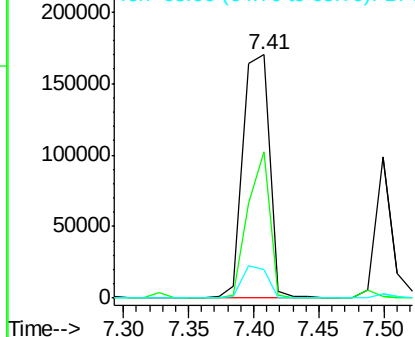


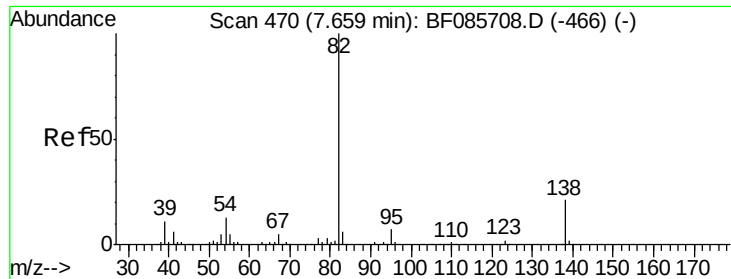
#24
 Nitrobenzene
 Concen: 28.35 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
77	100		
123	60.0	35.0	52.4#
65	11.9	10.6	16.0



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





#25

Isophorone

Concen: 29.42 ng

RT: 7.65 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

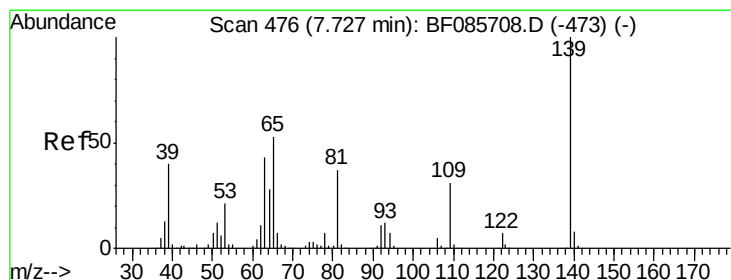
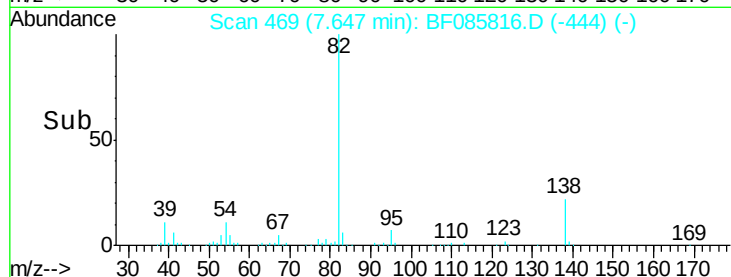
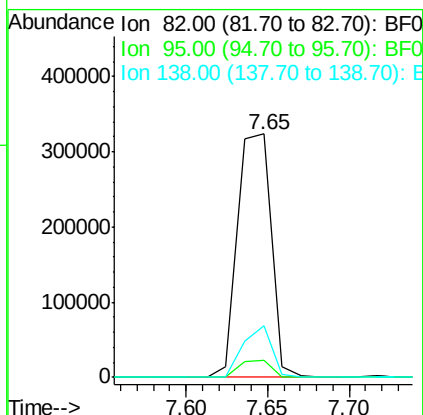
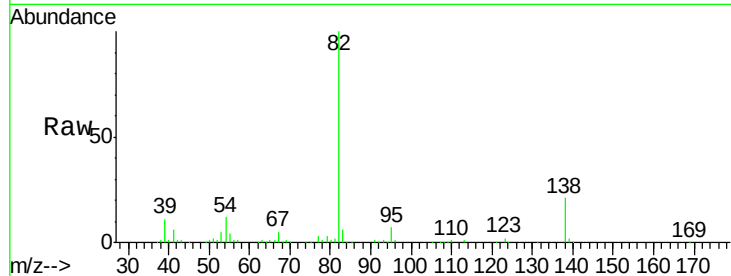
Tgt Ion: 82 Resp: 462290

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.2

138 21.2 12.9 19.3#



#26

2-Nitrophenol

Concen: 29.08 ng

RT: 7.72 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

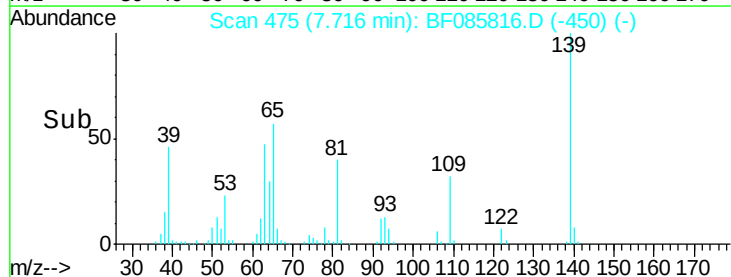
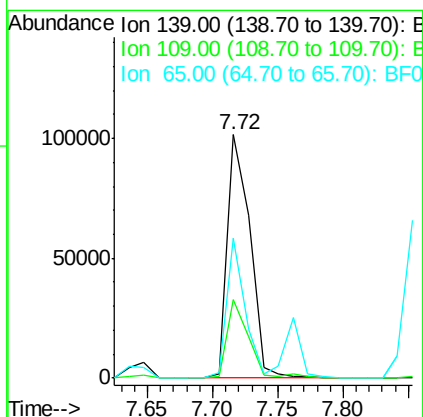
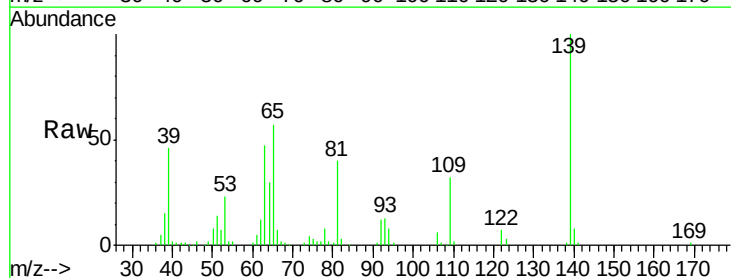
Tgt Ion: 139 Resp: 122332

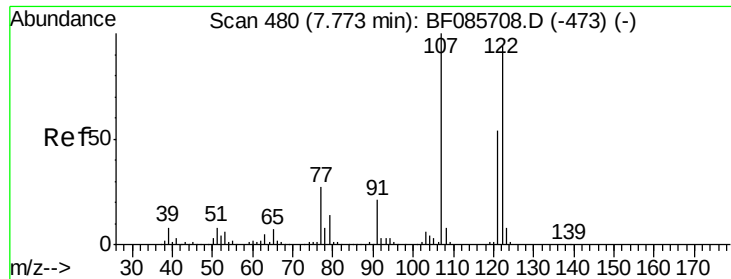
Ion Ratio Lower Upper

139 100

109 32.0 22.1 33.1

65 57.5 33.9 50.9#

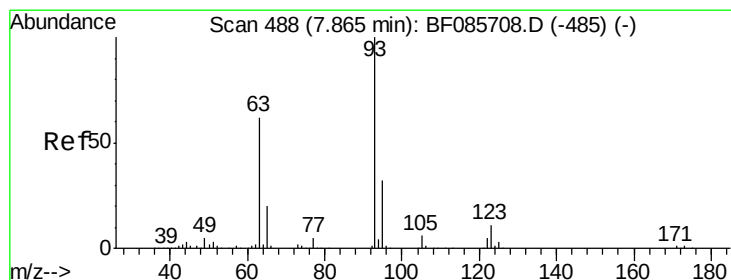
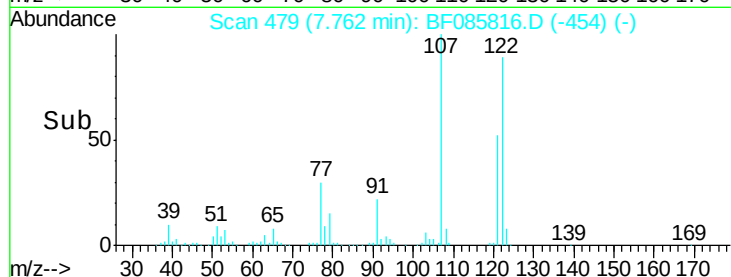
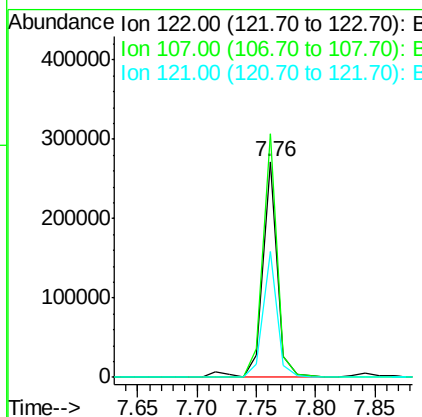
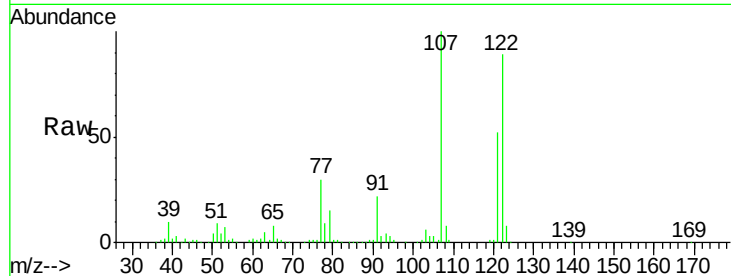




#27
 2,4-Dimethylphenol
 Concen: 32.03 ng
 RT: 7.76 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

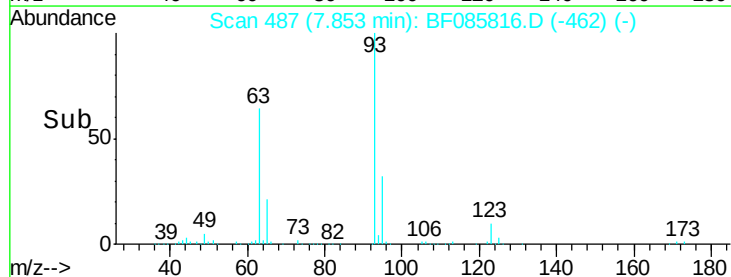
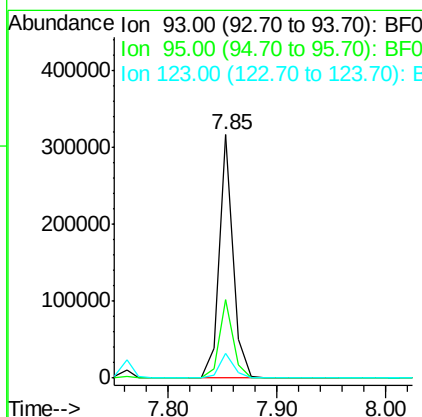
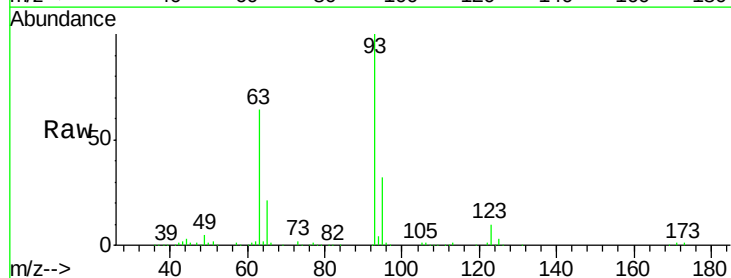
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

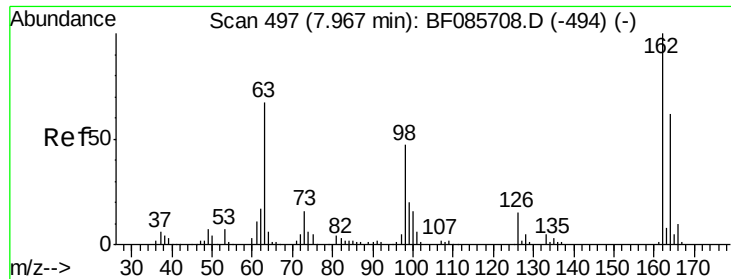
Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.9	93.0	139.6
121	58.2	45.9	68.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 31.52 ng
 RT: 7.85 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.4	39.6
123	10.3	9.8	14.6

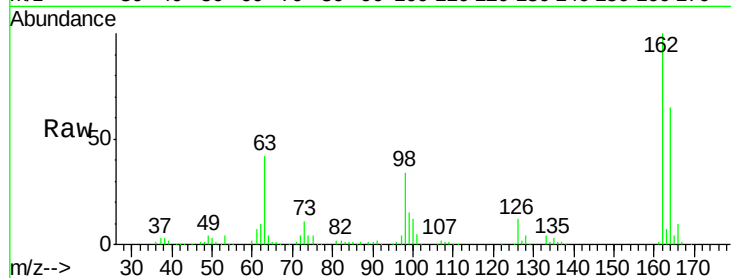




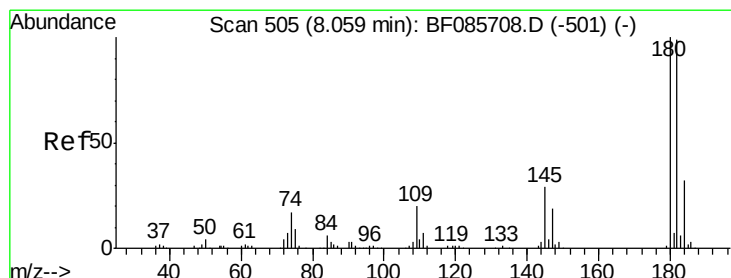
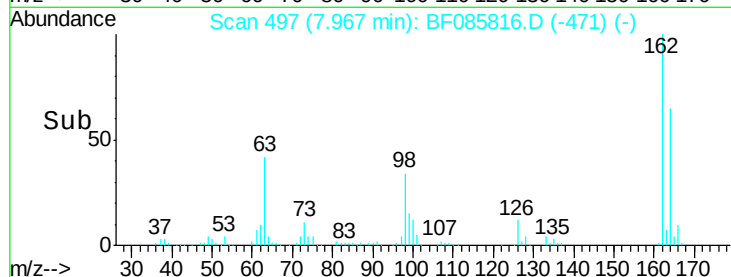
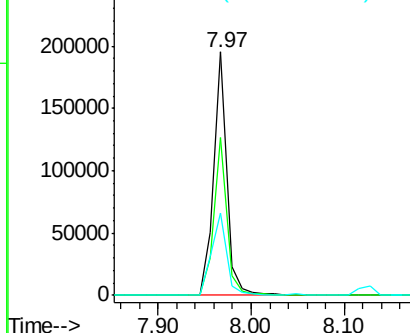
#29
 2,4-Dichlorophenol
 Concen: 31.24 ng
 RT: 7.97 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.7	83.7
98	34.0	20.4	60.4

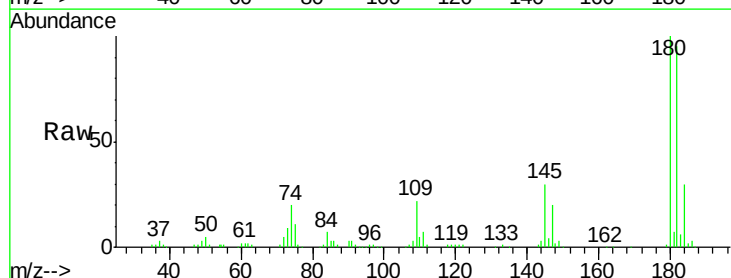


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

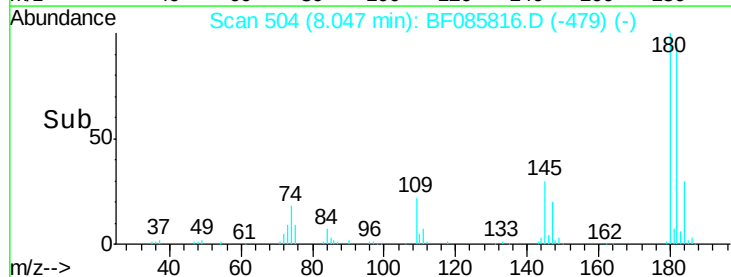
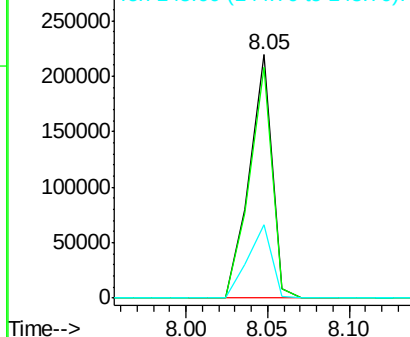


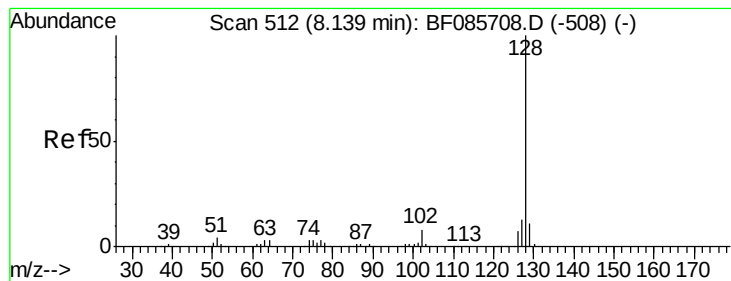
#30
 1,2,4-Trichlorobenzene
 Concen: 30.92 ng
 RT: 8.05 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	73.8	110.8
145	30.4	28.4	42.6



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: 30.60 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

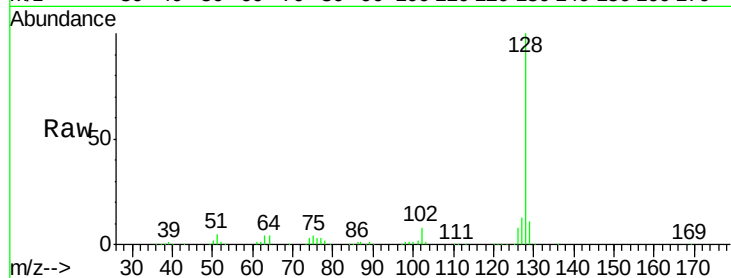
Tgt Ion:128 Resp: 708369

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.0

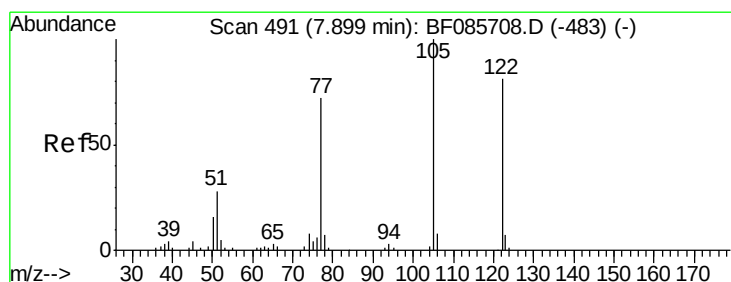
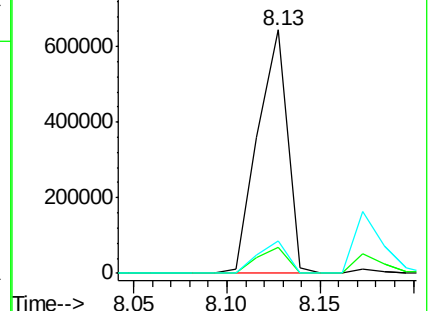
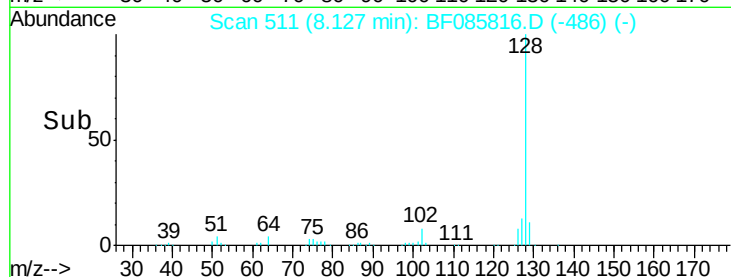
127 13.5 11.0 16.6



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: 2.32 ng

RT: 7.84 min Scan# 486

Delta R.T. -0.06 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

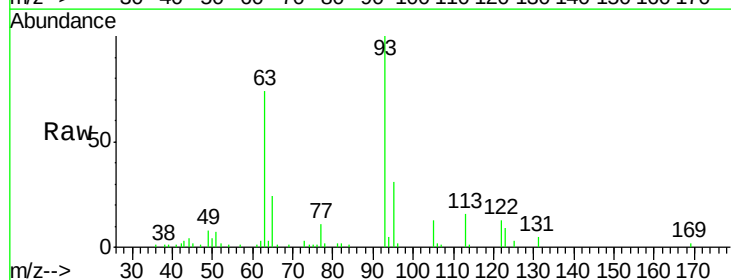
Tgt Ion:122 Resp: 11350

Ion Ratio Lower Upper

122 100

105 103.7 102.9 142.9

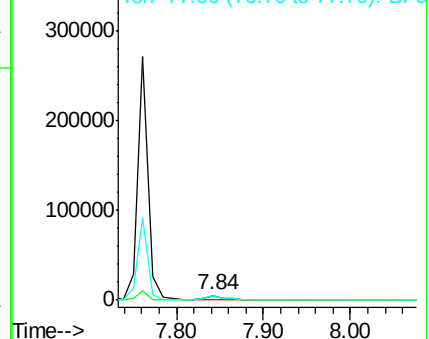
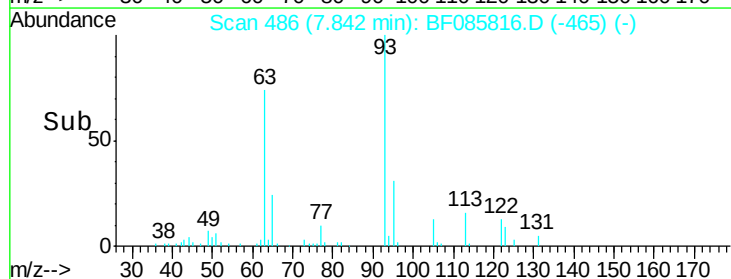
77 86.2 71.8 111.8

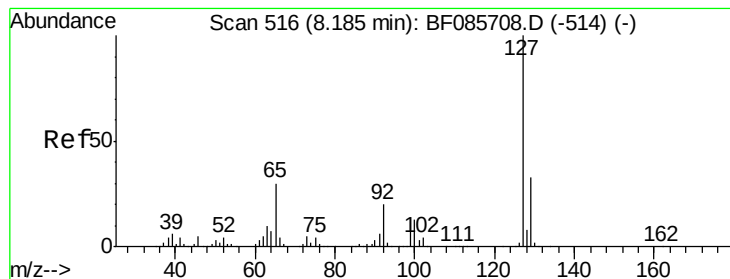


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 19.42 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

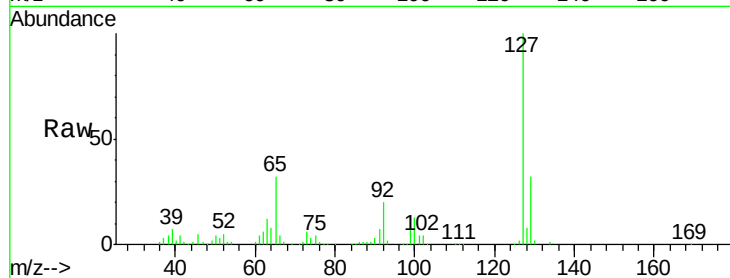
Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

Tgt Ion:	127	Resp:	183516
Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.1	39.1
65	32.0	19.5	29.3
92	20.3	14.6	22.0

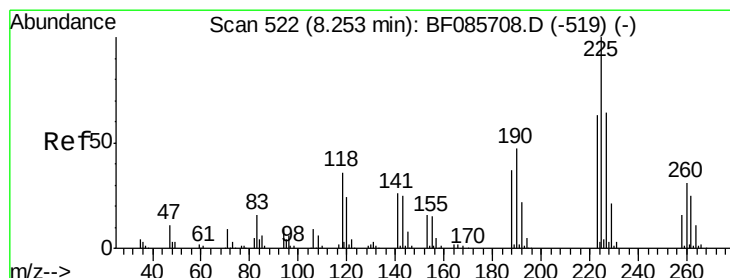
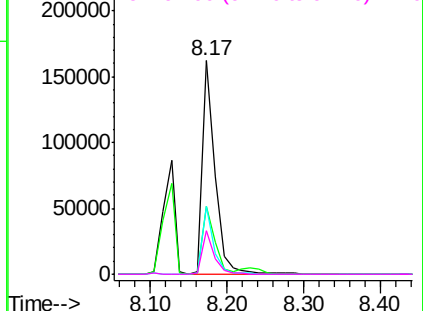
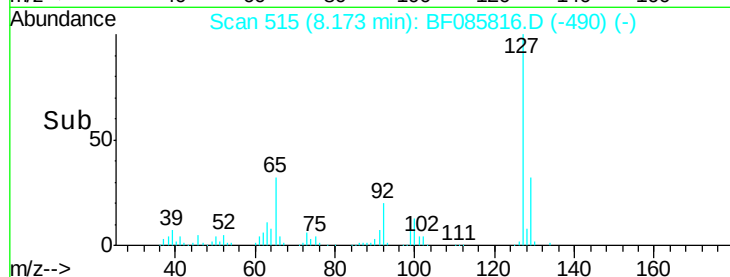


Abundance Ion 127.00 (126.70 to 127.70): E

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: 28.22 ng

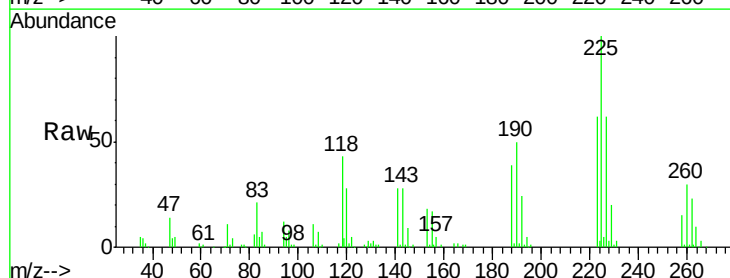
RT: 8.24 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

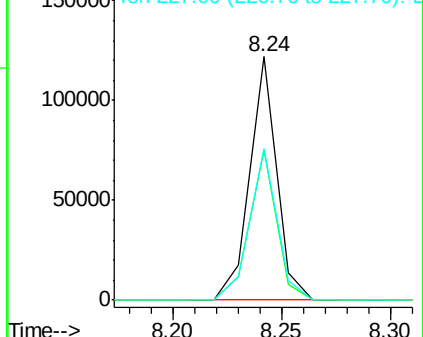
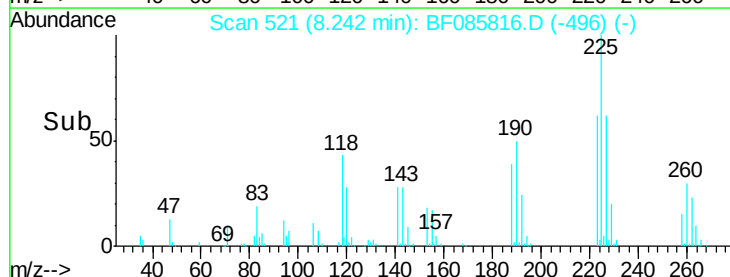
Tgt Ion:	225	Resp:	105271
Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.4	75.6
227	62.2	51.4	77.2

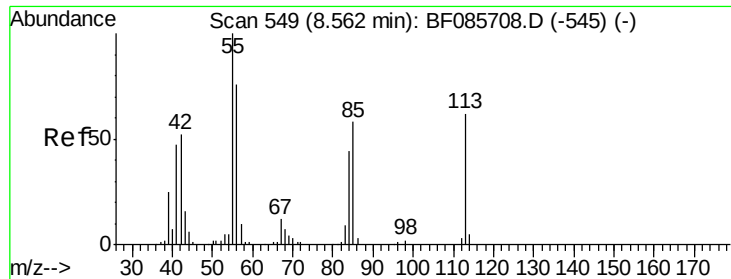


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

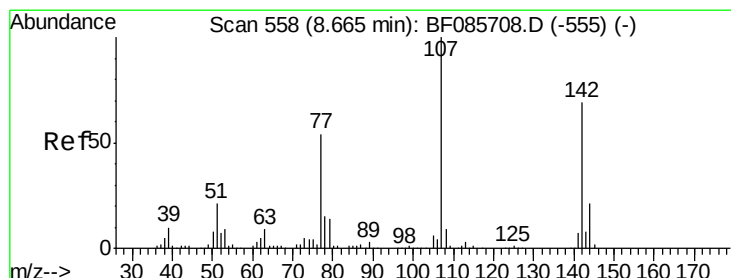
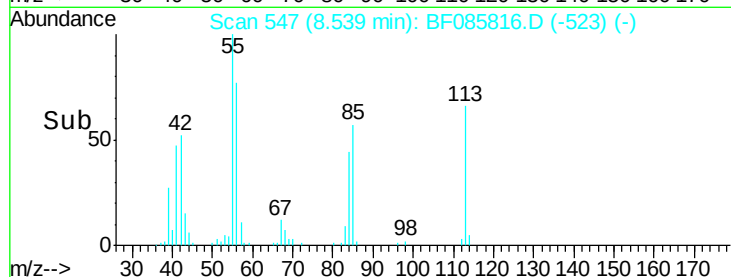
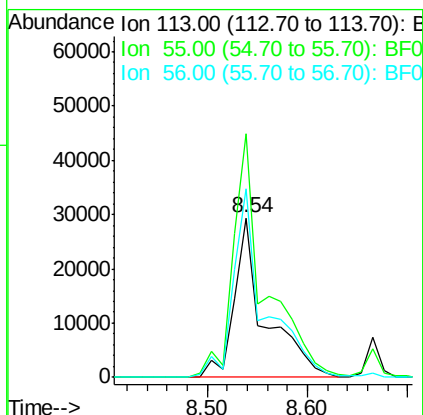
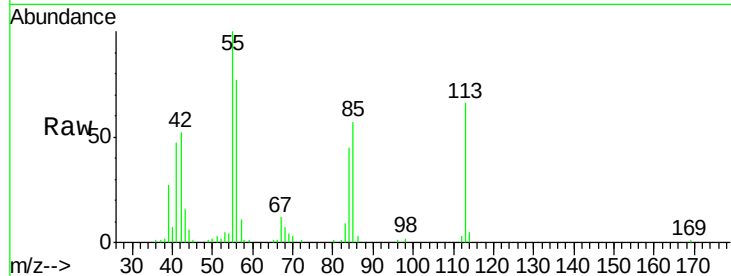




#35
 Caprolactam
 Concen: 28.49 ng
 RT: 8.54 min Scan# 547
 Delta R.T. -0.02 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

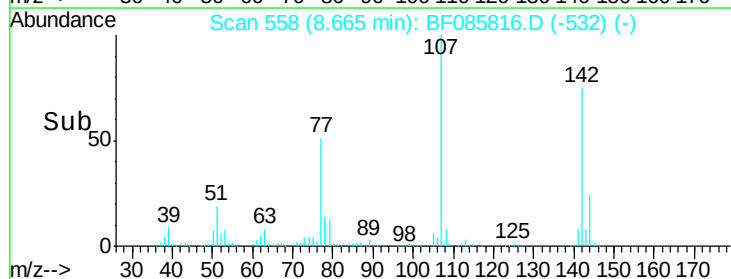
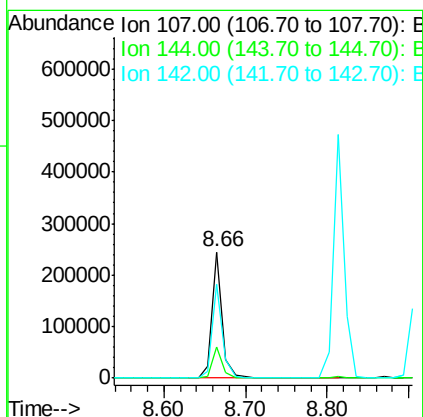
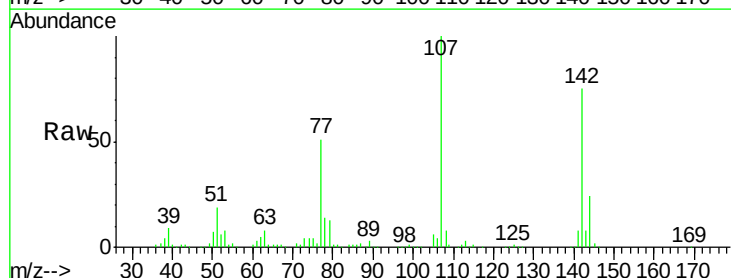
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

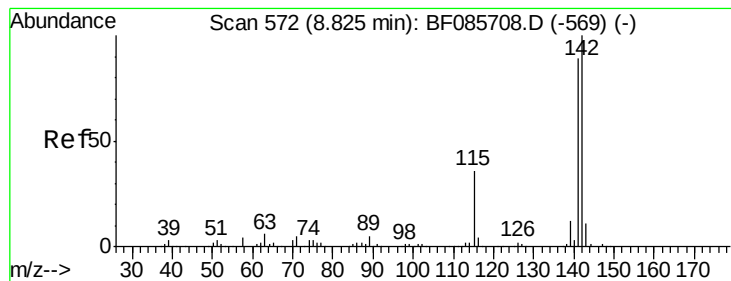
Tgt Ion:113 Resp: 62391
 Ion Ratio Lower Upper
 113 100
 55 152.5 139.4 179.4
 56 117.9 100.4 140.4



#36
 4-Chloro-3-methylphenol
 Concen: 29.82 ng
 RT: 8.66 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:107 Resp: 215330
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.3 28.9
 142 74.6 61.4 92.0





#37

2-Methylnaphthalene

Concen: 30.42 ng

RT: 8.81 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

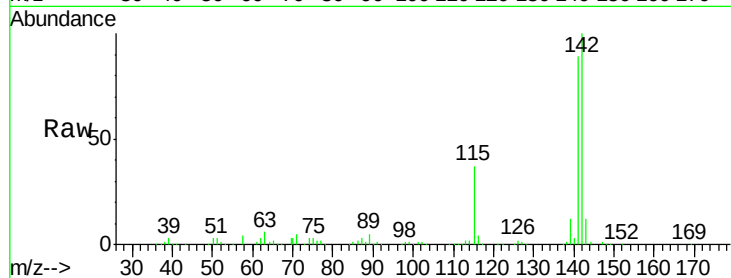
Tgt Ion:142 Resp: 444724

Ion Ratio Lower Upper

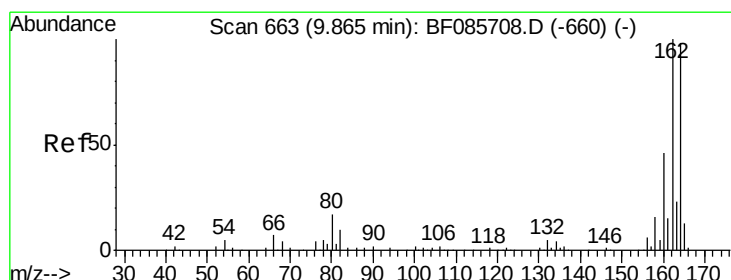
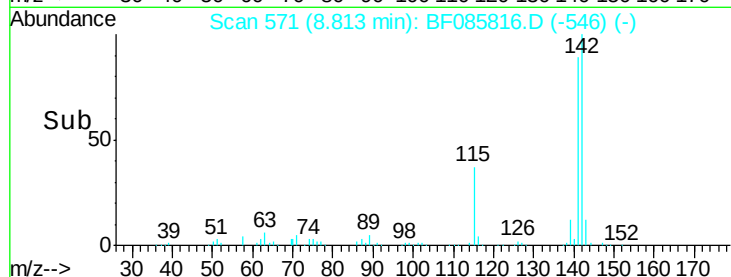
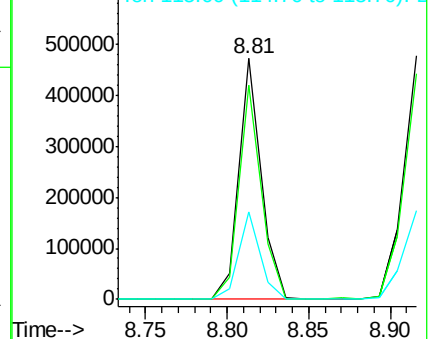
142 100

141 88.7 71.6 107.4

115 36.5 26.8 40.2



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: 9.85 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

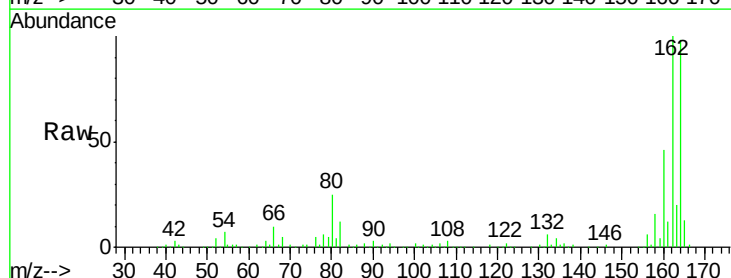
Tgt Ion:164 Resp: 198128

Ion Ratio Lower Upper

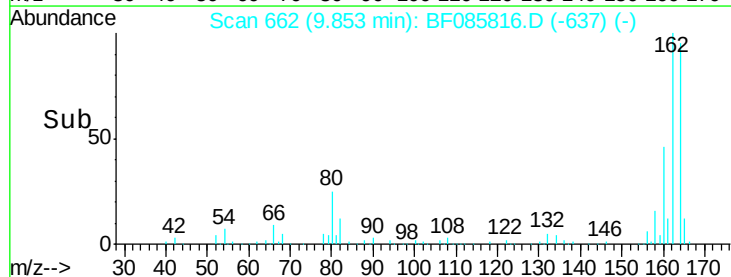
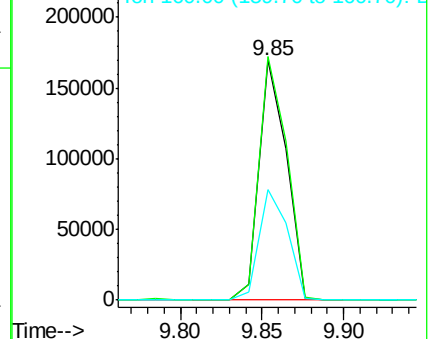
164 100

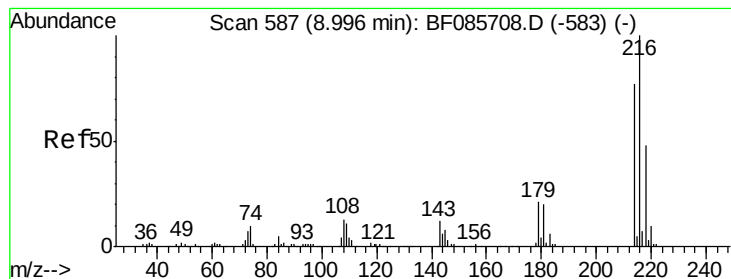
162 101.8 82.1 123.1

160 46.4 37.4 56.2



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: 32.70 ng

RT: 8.98 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

Tgt Ion:216 Resp: 192101

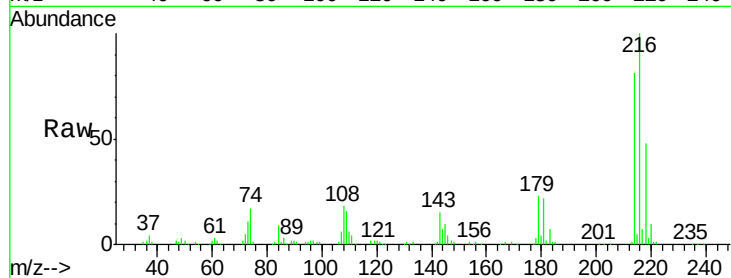
Ion Ratio Lower Upper

216 100

214 80.8 63.1 94.7

179 23.5 18.2 27.2

108 22.7 17.3 25.9

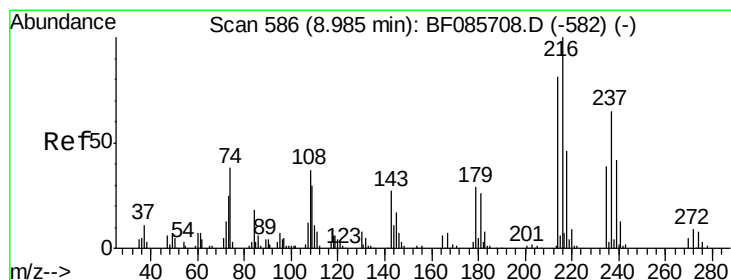
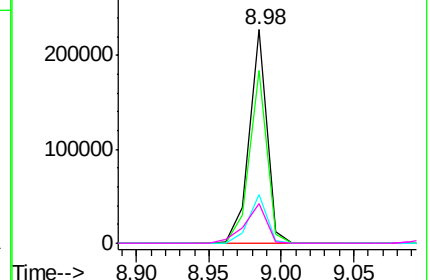
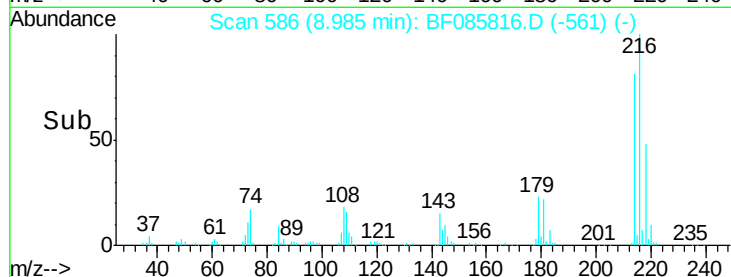


Abundance Ion 216.00 (215.70 to 216.70): E

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: 48.57 ng

RT: 8.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

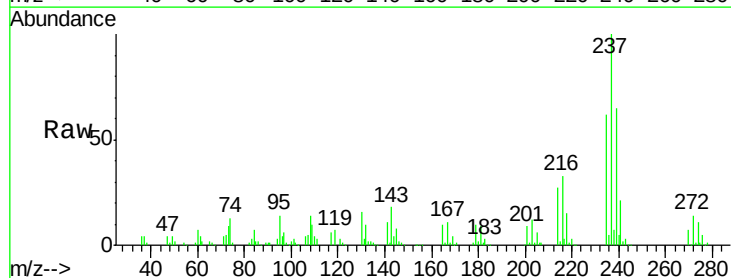
Tgt Ion:237 Resp: 108947

Ion Ratio Lower Upper

237 100

235 62.1 43.7 83.7

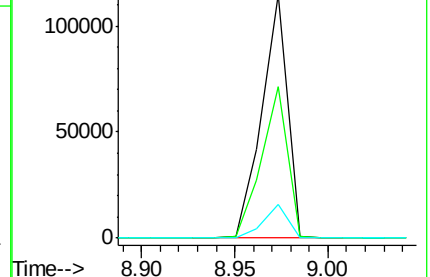
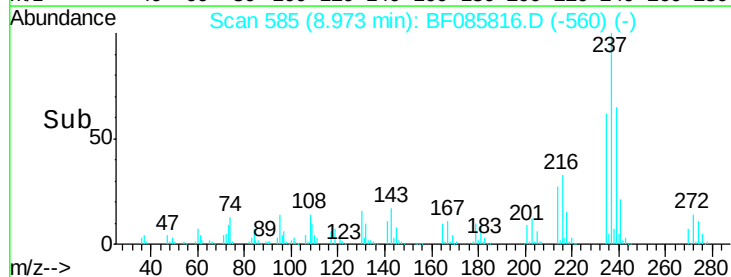
272 13.6 0.0 31.9

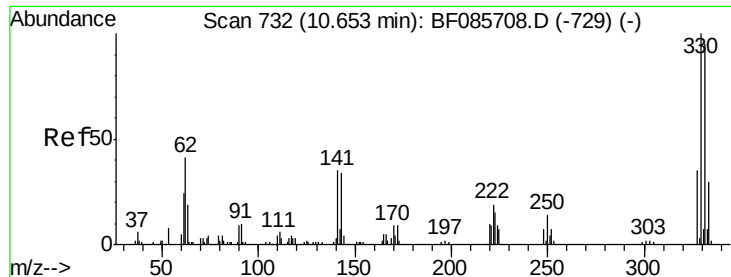


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

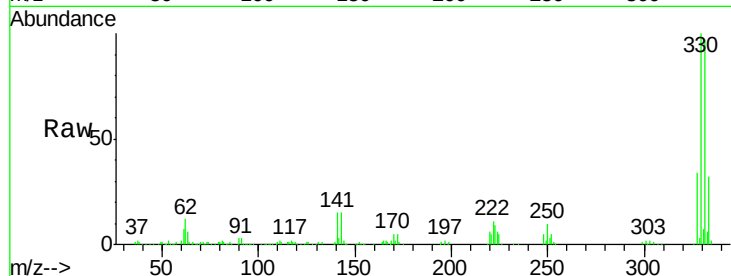




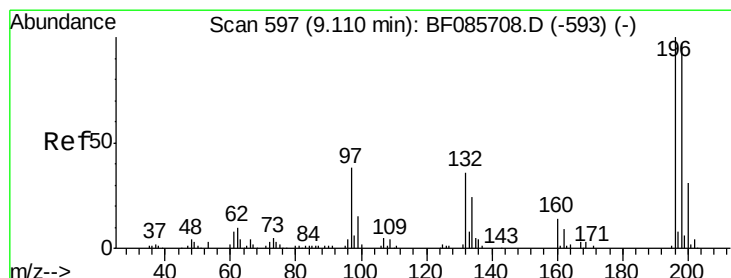
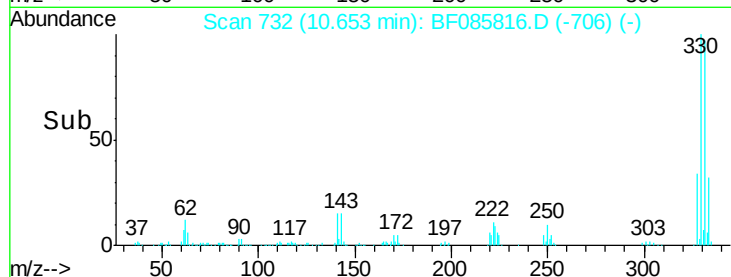
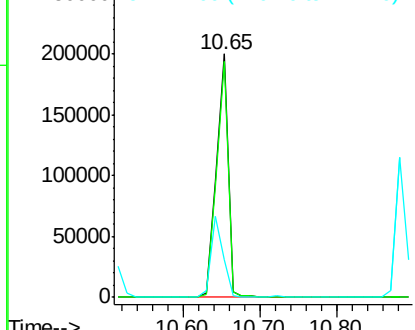
#41
 2,4,6-Tribromophenol
 Concen: 112.82 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

Tgt Ion:330 Resp: 212376
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.2 117.2
 141 34.4 31.5 47.3

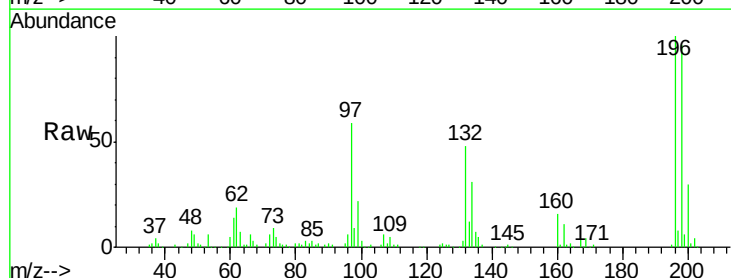


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

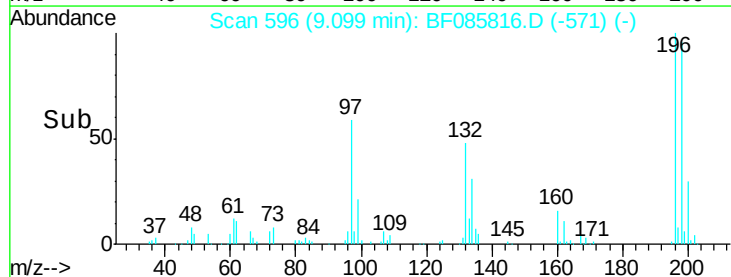
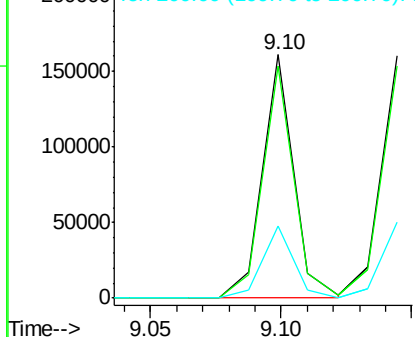


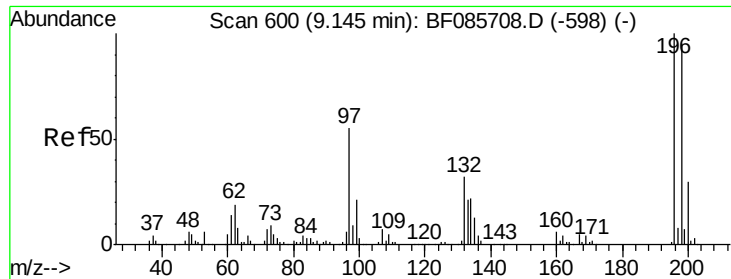
#42
 2,4,6-Trichlorophenol
 Concen: 33.96 ng
 RT: 9.10 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:196 Resp: 134774
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.3 112.9
 200 29.6 23.7 35.5



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

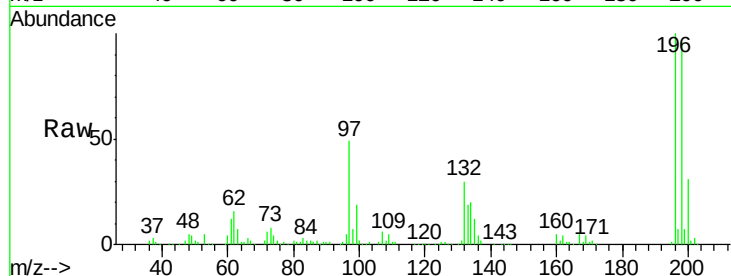




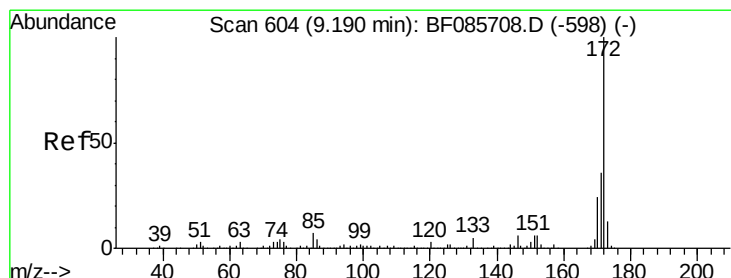
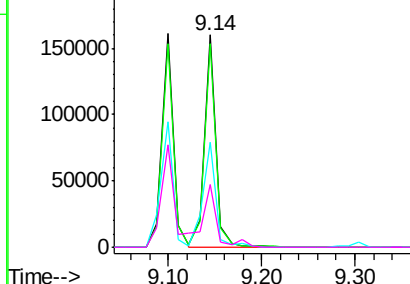
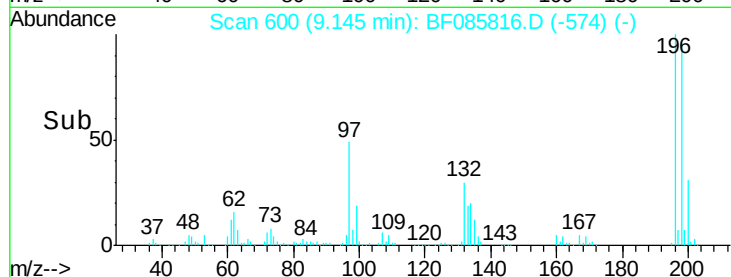
#43
 2,4,5-Trichlorophenol
 Concen: 33.59 ng
 RT: 9.14 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.6	114.8
97	49.5	30.5	45.7
132	29.6	20.2	30.2

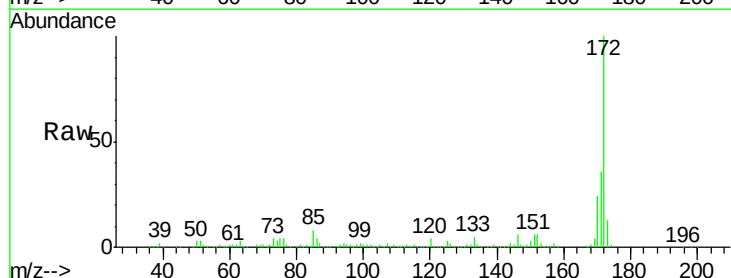


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

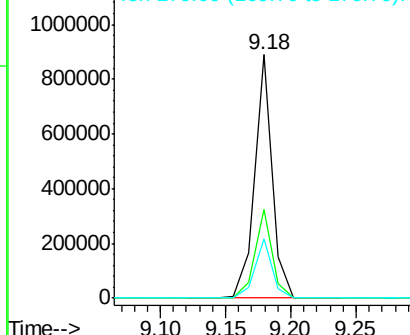
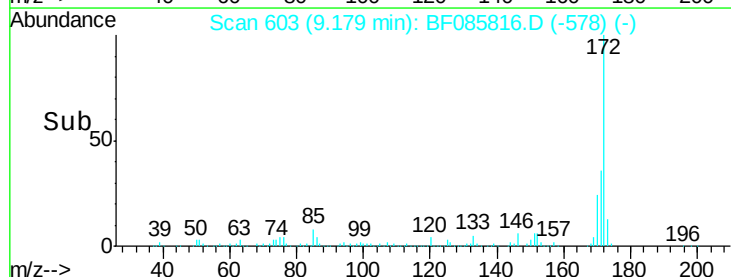


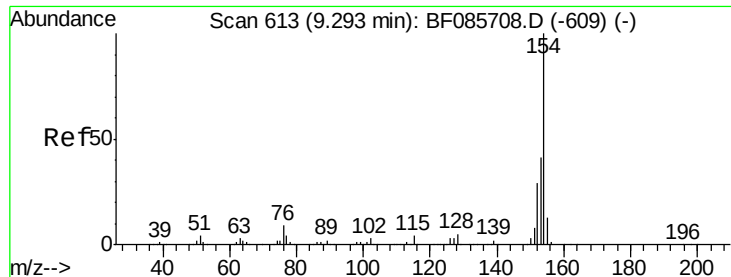
#44
 2-Fluorobiphenyl
 Concen: 70.25 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.4	19.8	29.6



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: 33.15 ng

RT: 9.28 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

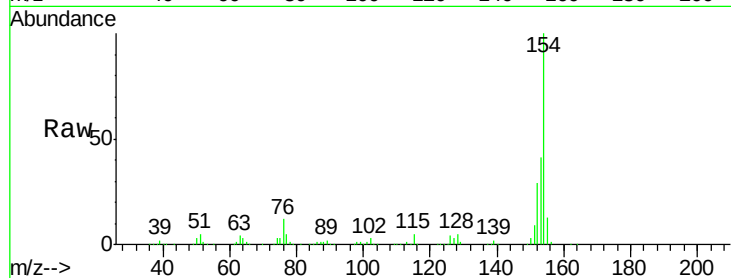
Tgt Ion:154 Resp: 554296

Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

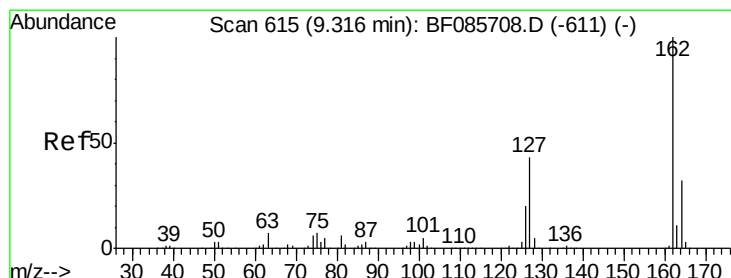
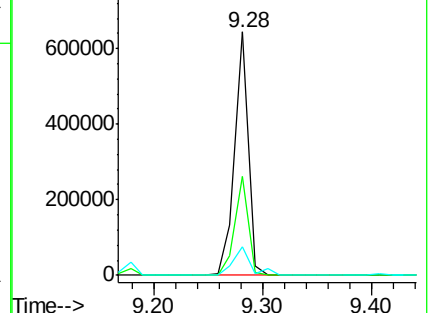
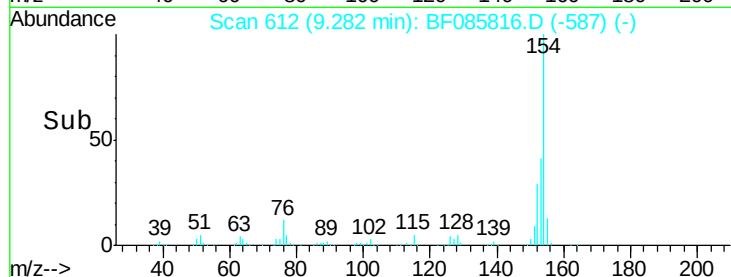
76 11.9 0.0 36.7



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: 33.10 ng

RT: 9.30 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

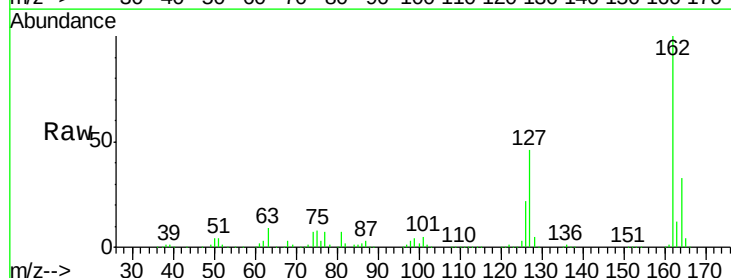
Tgt Ion:162 Resp: 406956

Ion Ratio Lower Upper

162 100

127 45.9 31.7 47.5

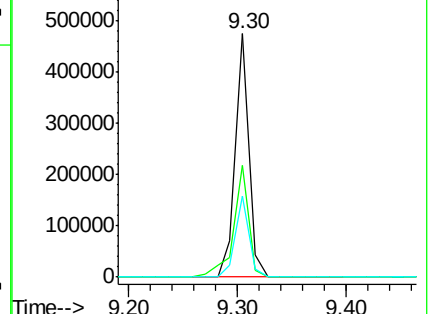
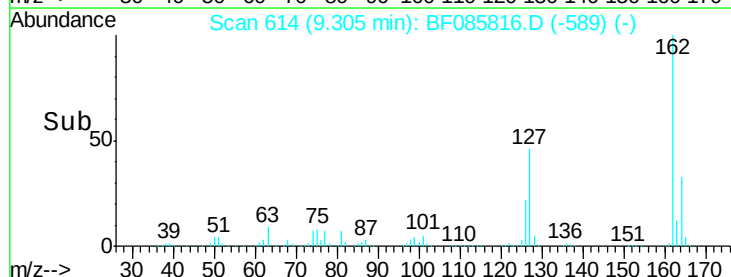
164 33.1 27.3 40.9

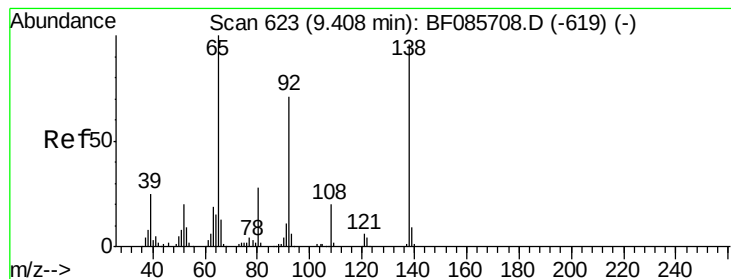


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 34.70 ng

RT: 9.41 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

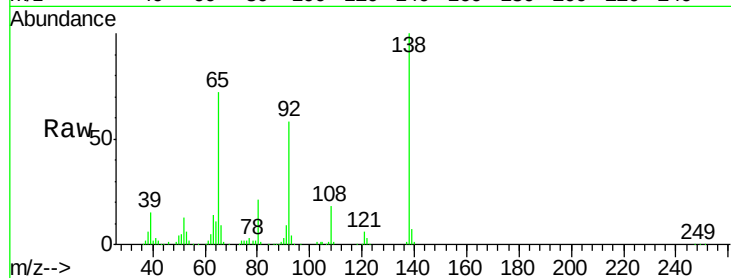
Tgt Ion: 65 Resp: 130453

Ion Ratio Lower Upper

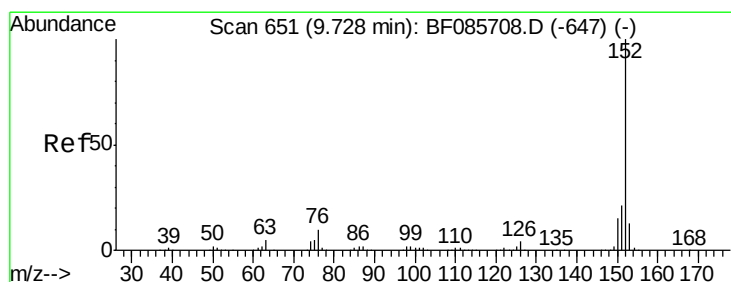
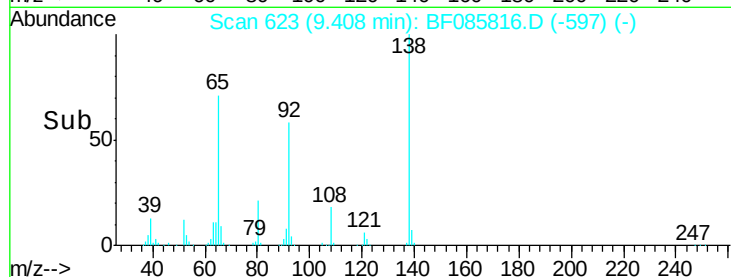
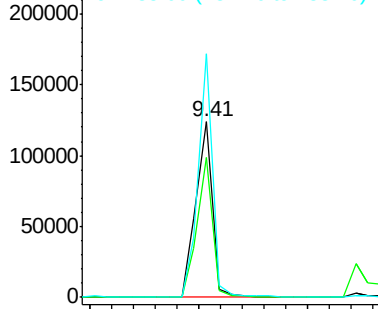
65 100

92 79.9 59.7 89.5

138 138.8 91.4 137.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 31.04 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

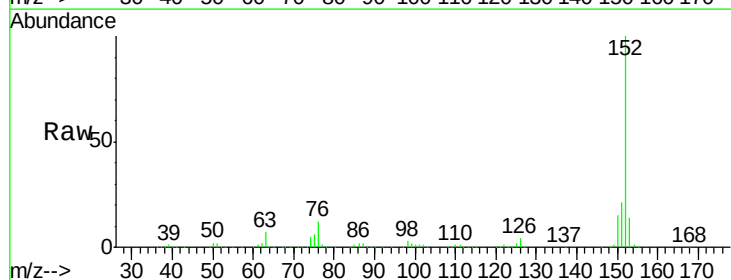
Tgt Ion: 152 Resp: 621726

Ion Ratio Lower Upper

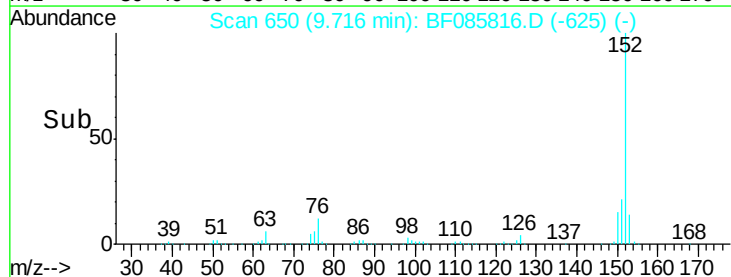
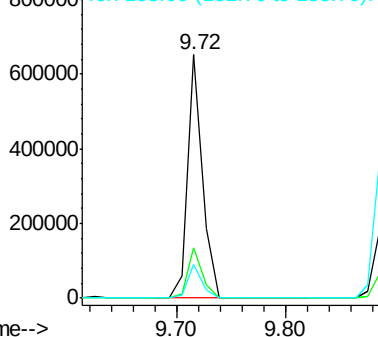
152 100

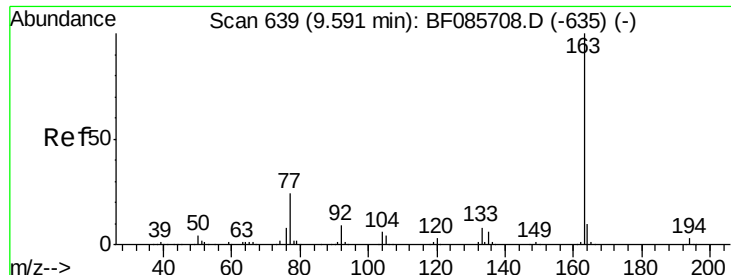
151 20.6 16.8 25.2

153 13.8 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 41.41 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

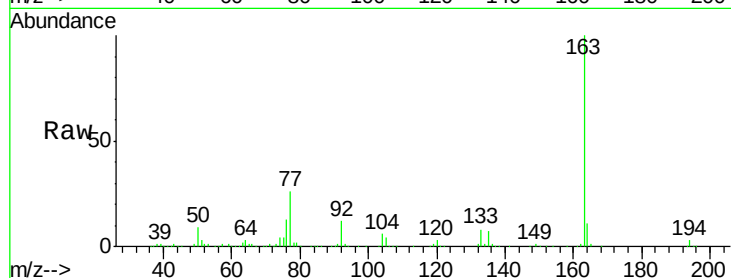
Tgt Ion:163 Resp: 622465

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

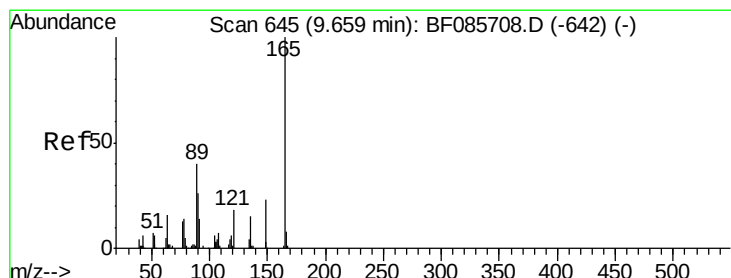
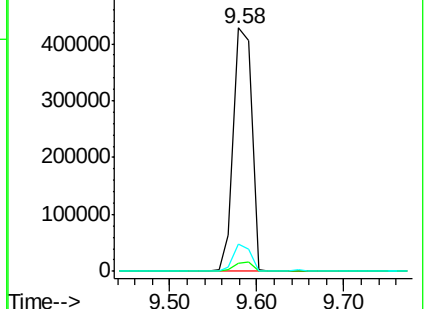
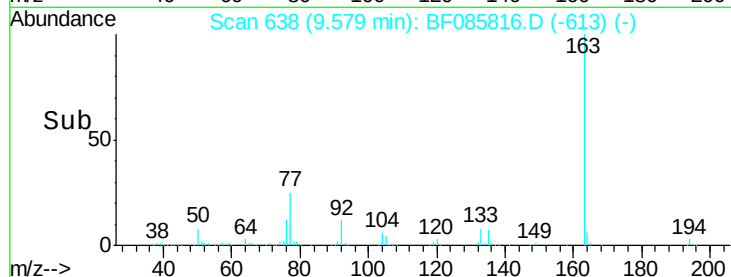
164 11.0 8.3 12.5



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: 33.27 ng

RT: 9.65 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

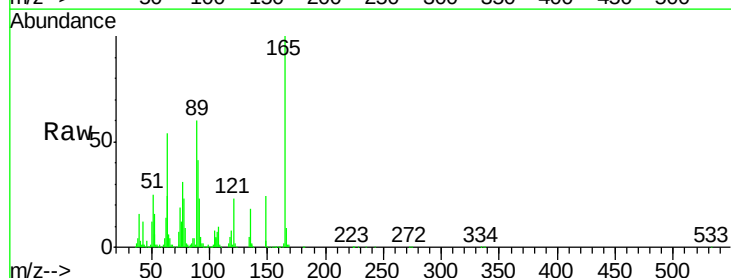
Tgt Ion:165 Resp: 107638

Ion Ratio Lower Upper

165 100

63 54.1 51.8 77.8

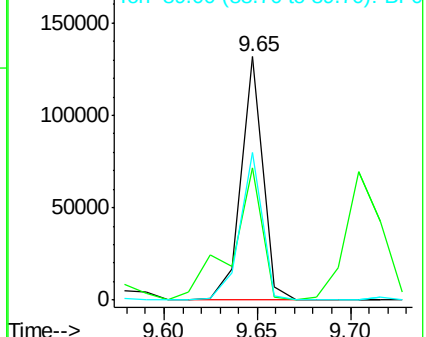
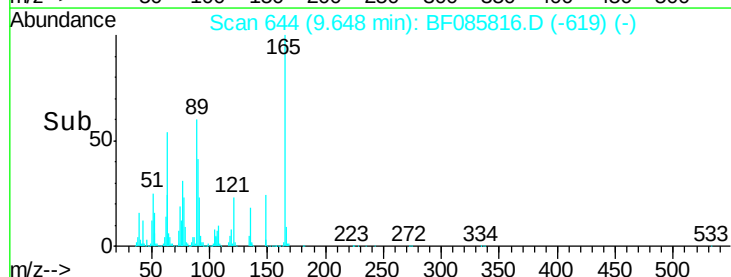
89 60.4 53.7 80.5

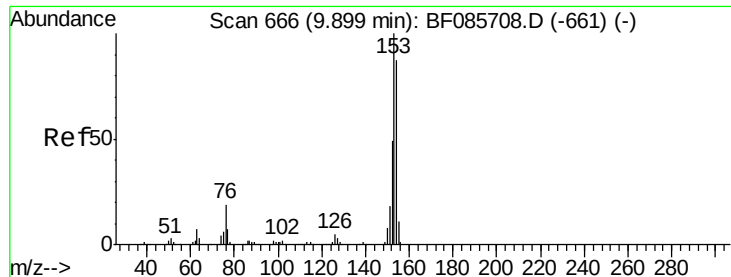


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 29.92 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

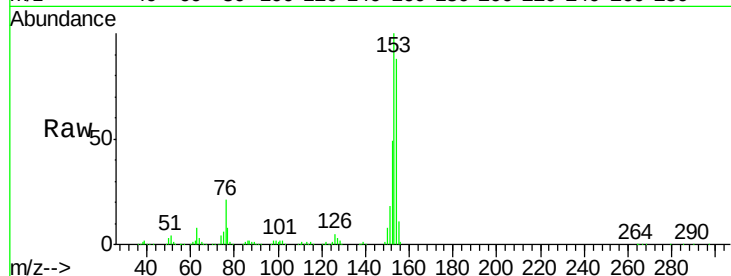
Tgt Ion:154 Resp: 366092

Ion Ratio Lower Upper

154 100

153 113.1 90.1 135.1

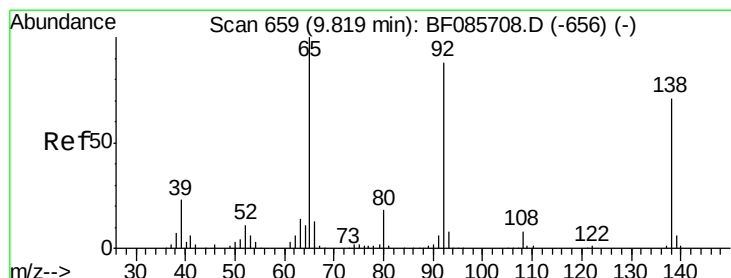
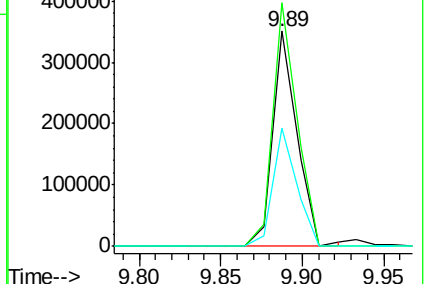
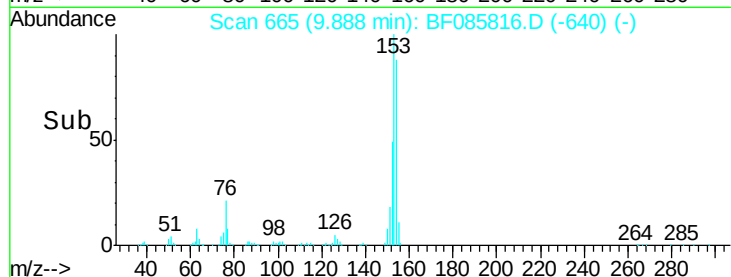
152 55.0 44.2 66.2



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: 26.57 ng

RT: 9.82 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

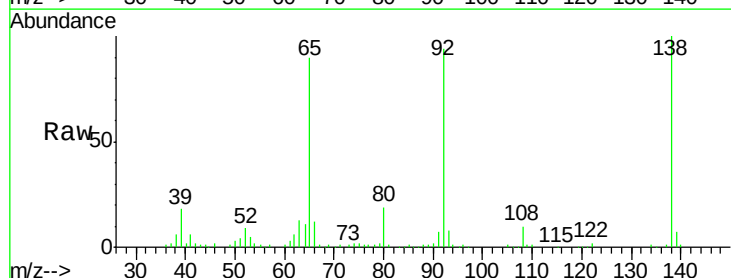
Tgt Ion:138 Resp: 98411

Ion Ratio Lower Upper

138 100

108 9.9 8.7 13.1

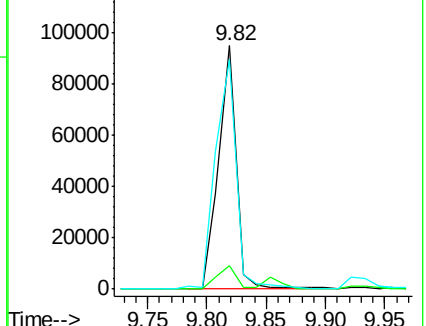
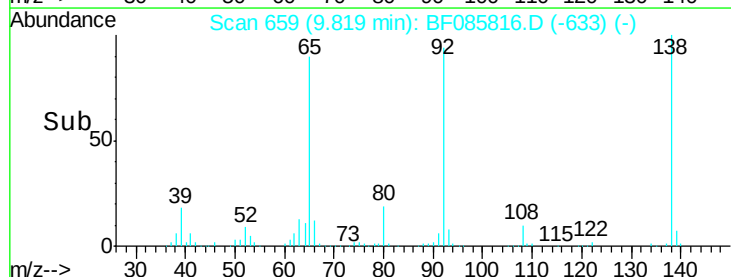
92 94.1 93.3 139.9

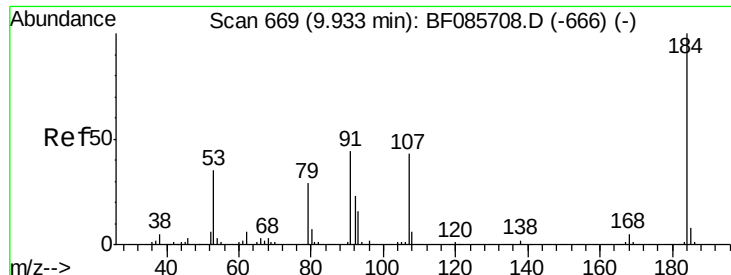


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

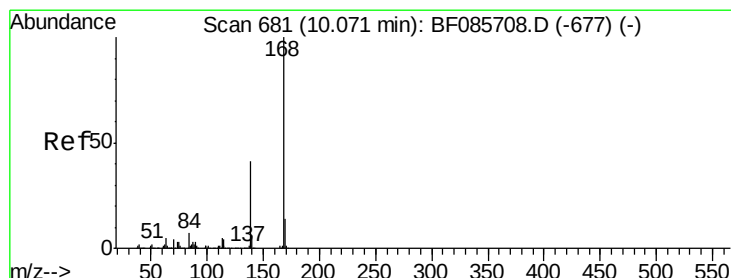
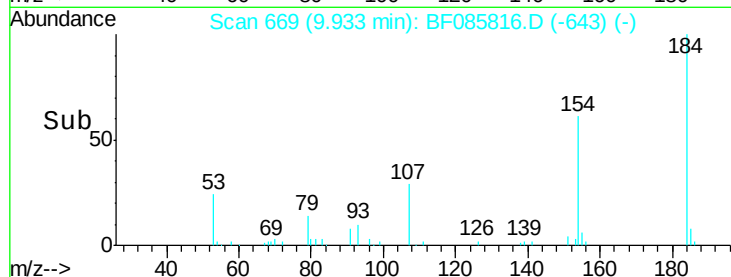
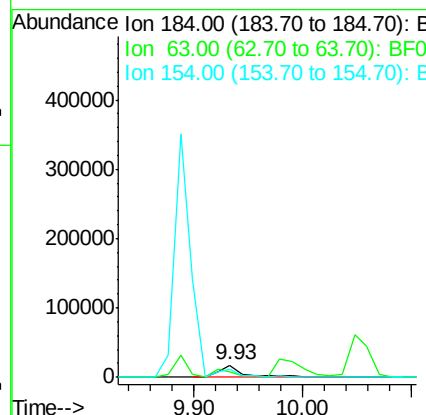
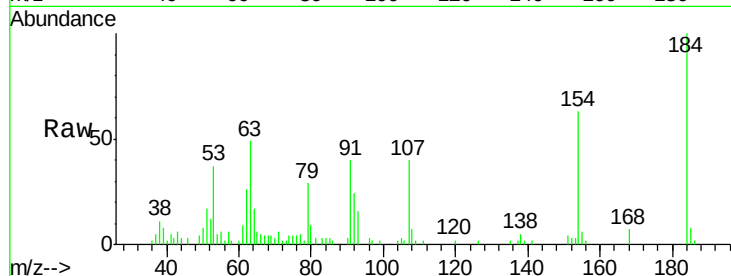




#53
 2,4-Dinitrophenol
 Concen: 21.67 ng
 RT: 9.93 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

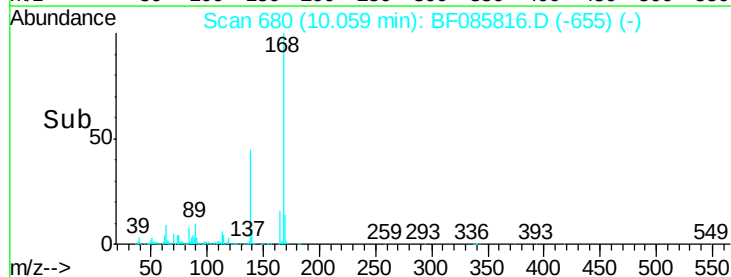
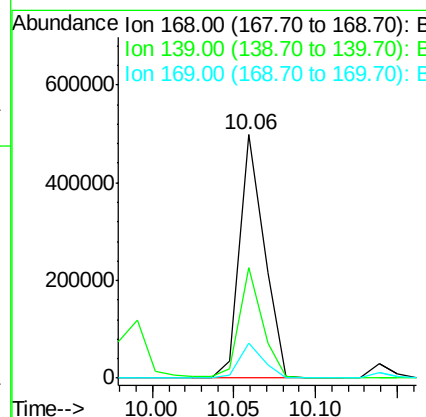
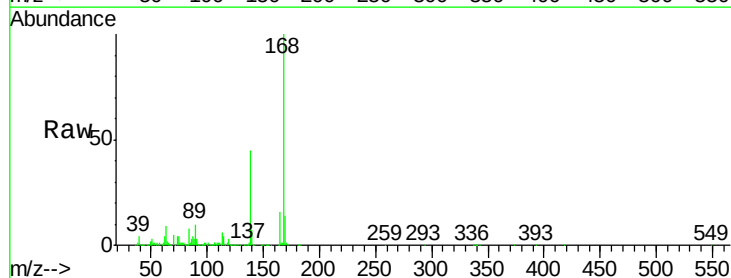
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

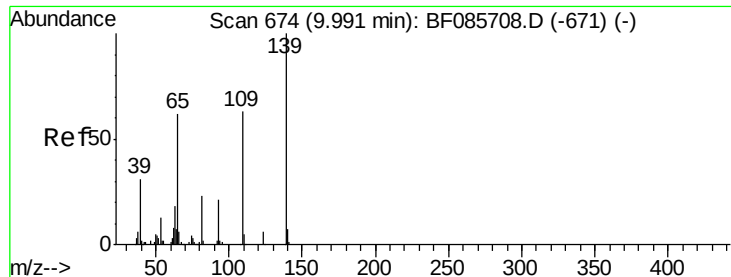
Tgt Ion:184 Resp: 27632
 Ion Ratio Lower Upper
 184 100
 63 48.8 69.5 104.3#
 154 63.4 58.3 87.5



#54
 Dibenzofuran
 Concen: 32.58 ng
 RT: 10.06 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:168 Resp: 515920
 Ion Ratio Lower Upper
 168 100
 139 45.4 31.9 47.9
 169 14.1 11.0 16.6





#55

4-Nitrophenol

Concen: 63.06 ng

RT: 9.99 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

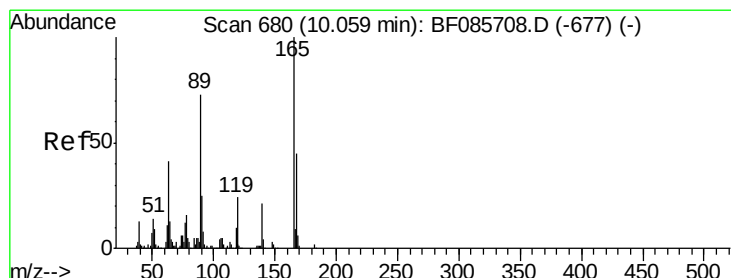
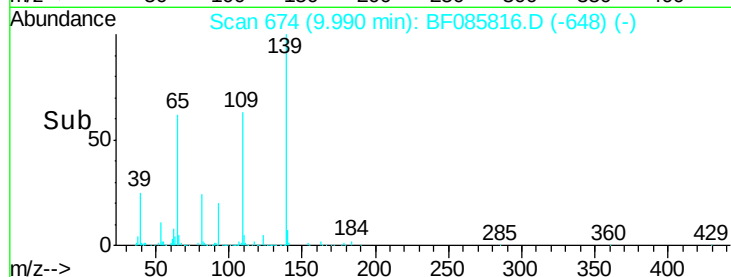
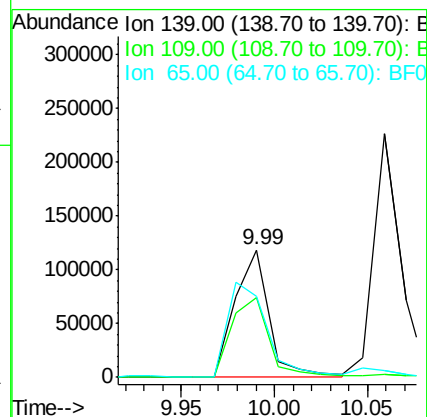
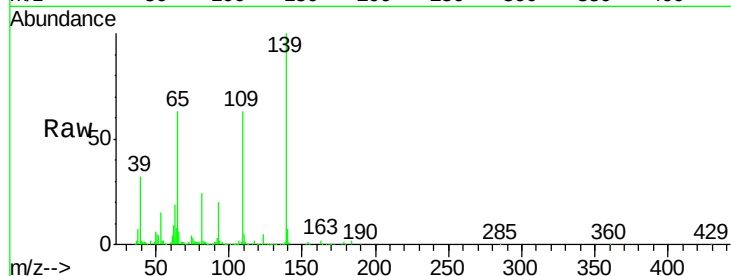
Tgt Ion:139 Resp: 152155

Ion Ratio Lower Upper

139 100

109 62.8 49.2 89.2

65 63.3 66.9 106.9#



#56

2,4-Dinitrotoluene

Concen: 31.10 ng

RT: 10.05 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Tgt Ion:165 Resp: 127914

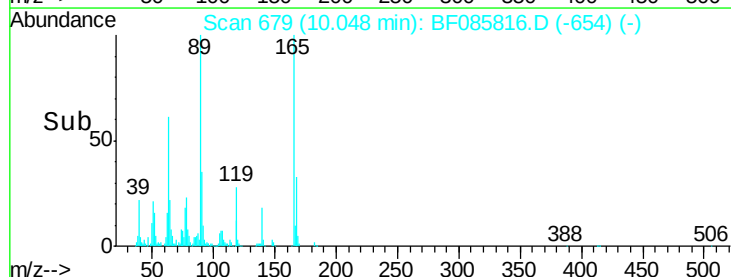
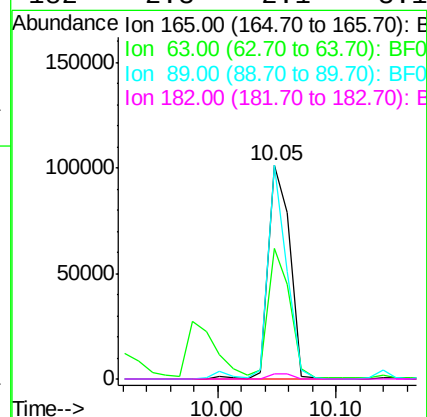
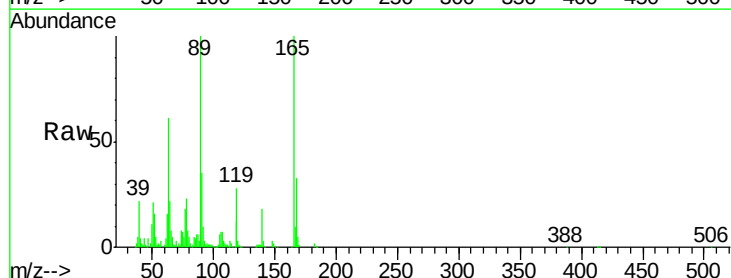
Ion Ratio Lower Upper

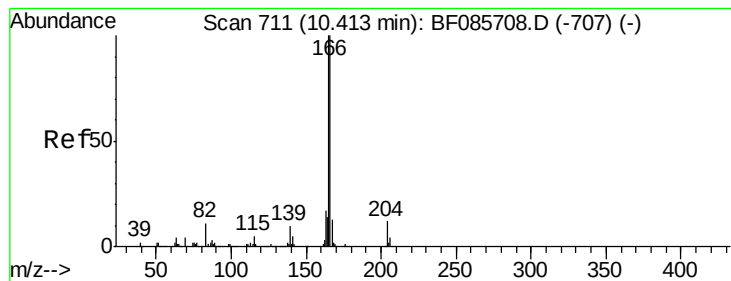
165 100

63 61.1 24.9 37.3#

89 99.8 41.0 61.6#

182 2.3 2.1 3.1





#57

Fluorene

Concen: 30.88 ng

RT: 10.40 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

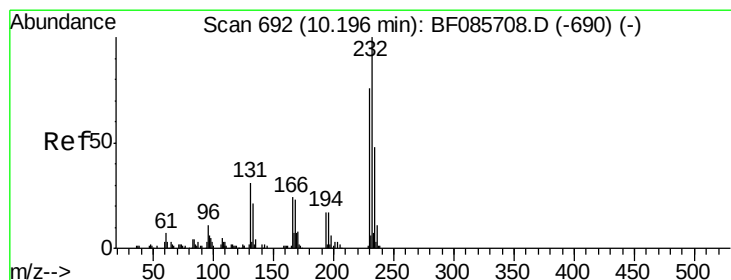
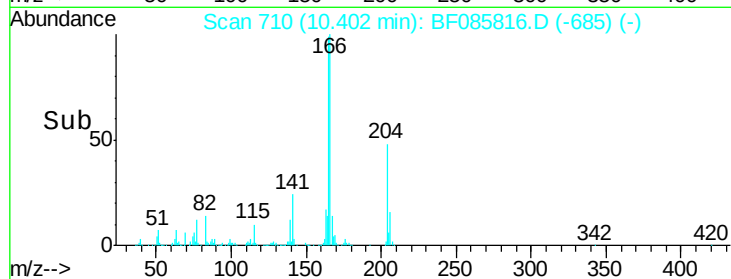
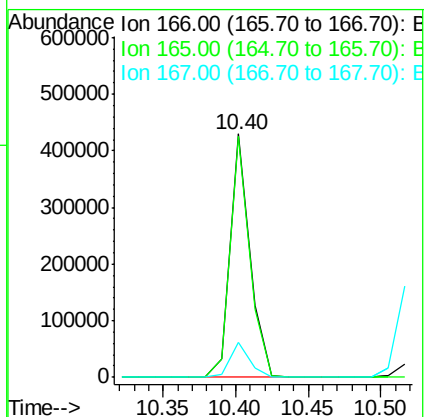
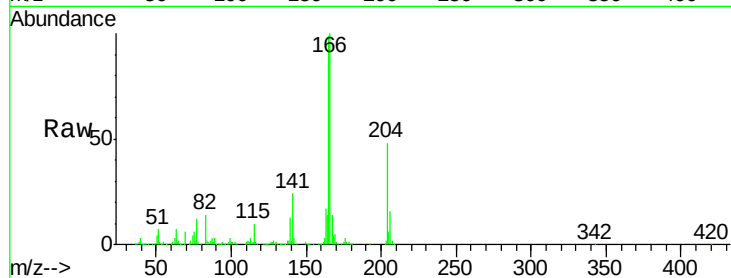
Tgt Ion:166 Resp: 406528

Ion Ratio Lower Upper

166 100

165 99.2 79.4 119.0

167 14.1 11.0 16.4



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.11 ng

RT: 10.18 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Tgt Ion:232 Resp: 110213

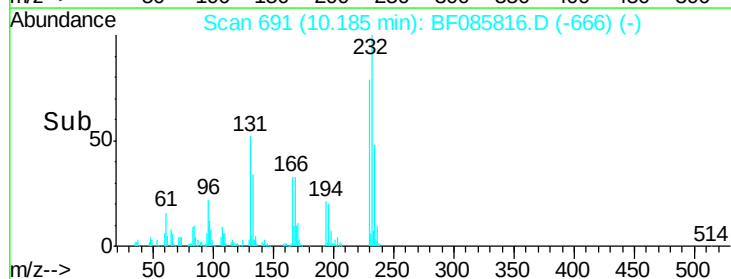
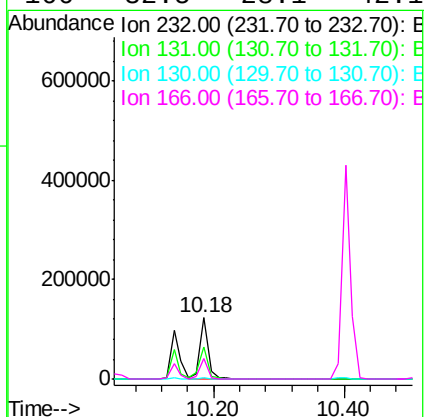
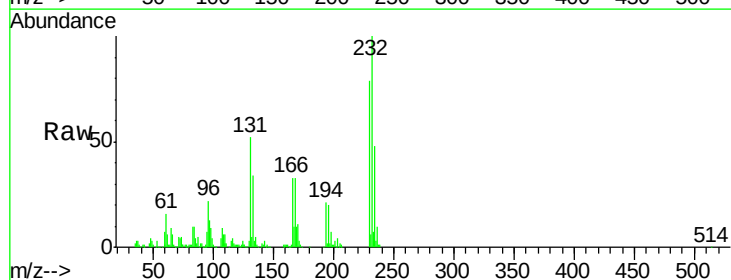
Ion Ratio Lower Upper

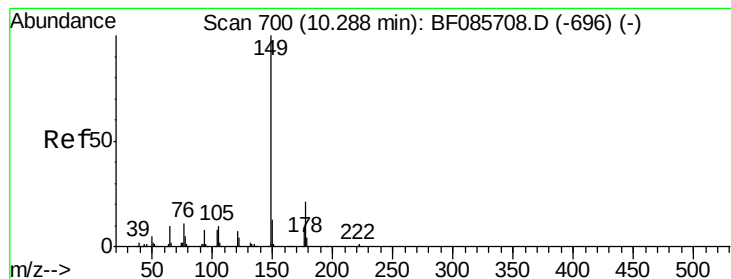
232 100

131 52.0 44.9 67.3

130 3.0 2.3 3.5

166 32.5 28.1 42.1





#59

Diethylphthalate

Concen: 30.84 ng

RT: 10.28 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

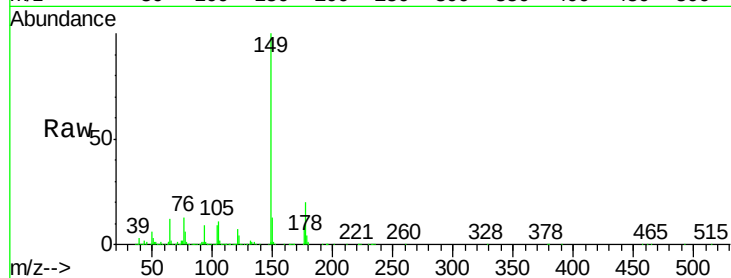
Tgt Ion:149 Resp: 458037

Ion Ratio Lower Upper

149 100

177 19.9 17.9 26.9

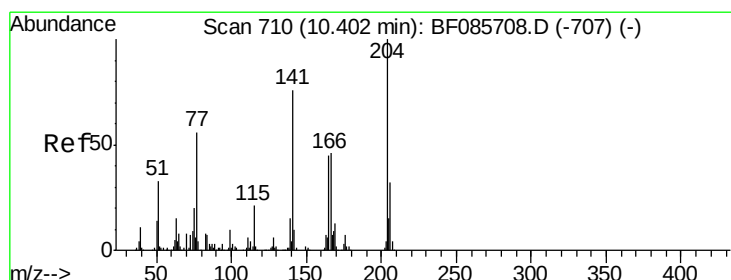
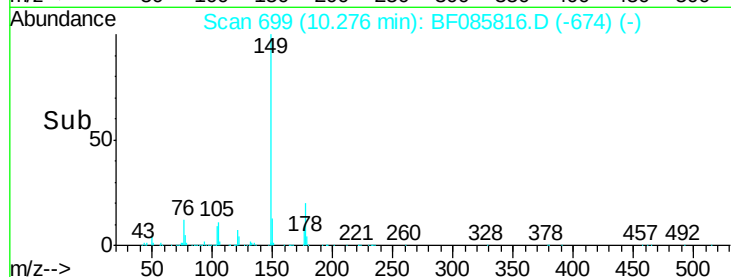
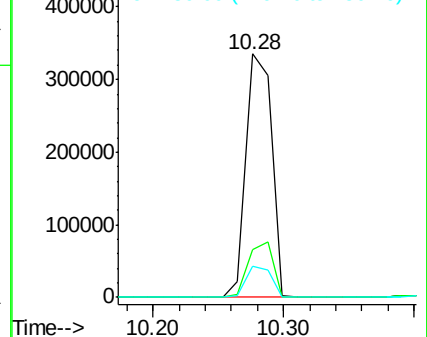
150 13.1 10.2 15.2



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: 32.23 ng

RT: 10.40 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

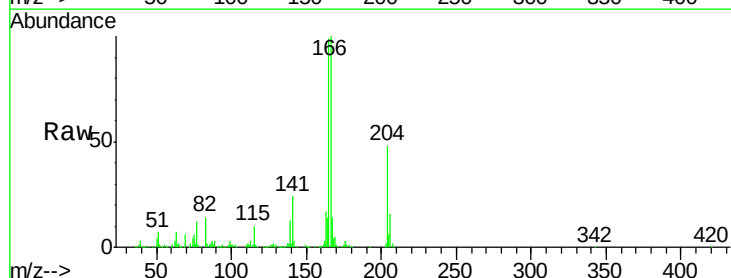
Tgt Ion:204 Resp: 207474

Ion Ratio Lower Upper

204 100

206 32.9 26.6 39.8

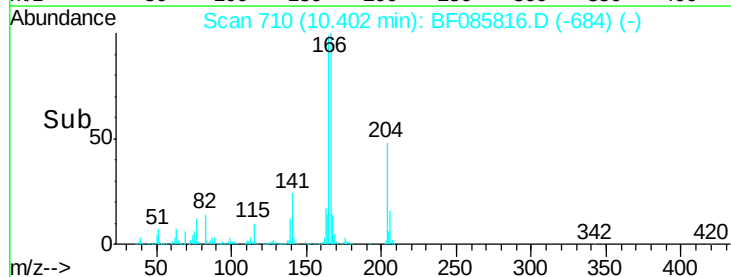
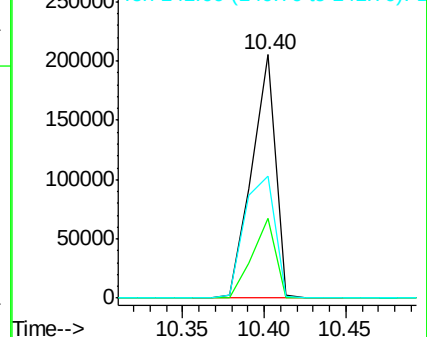
141 50.1 57.4 86.0#

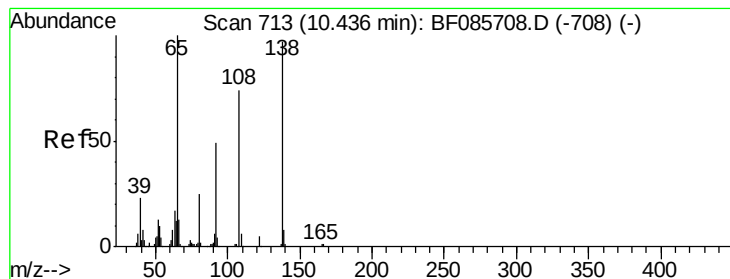


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 28.12 ng

RT: 10.42 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

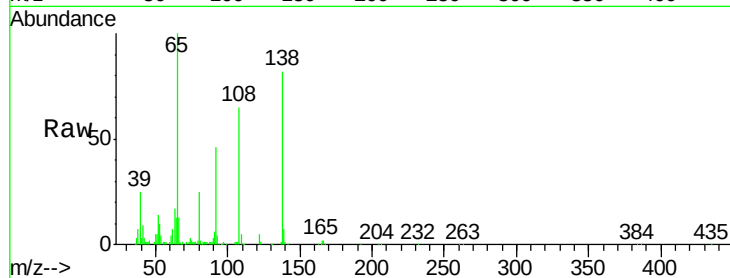
Tgt Ion:138 Resp: 99610

Ion Ratio Lower Upper

138 100

92 55.7 26.4 66.4

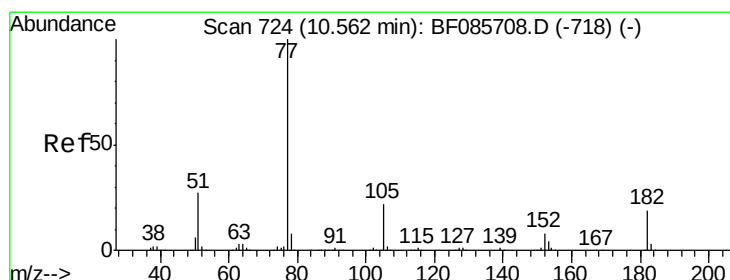
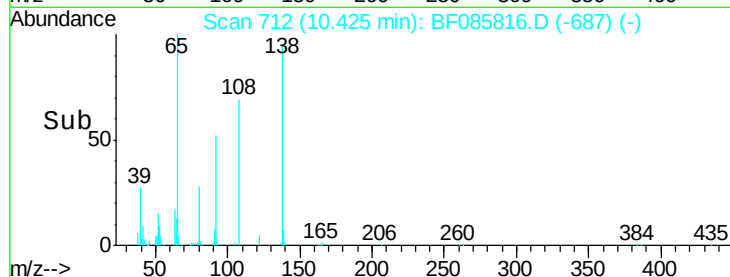
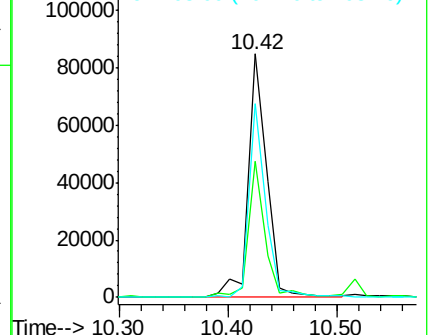
108 79.5 49.0 89.0



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: 35.66 ng

RT: 10.56 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Tgt Ion: 77 Resp: 508942

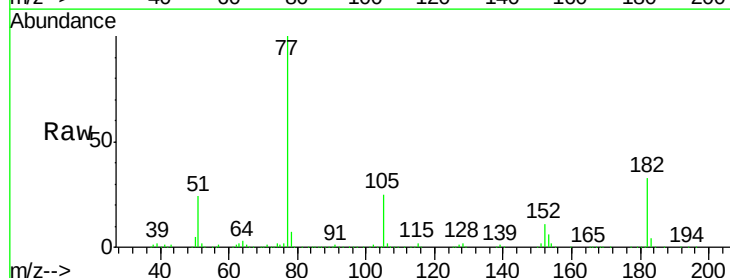
Ion Ratio Lower Upper

77 100

182 32.5 1.9 41.9

105 25.5 3.5 43.5

51 23.7 6.3 46.3

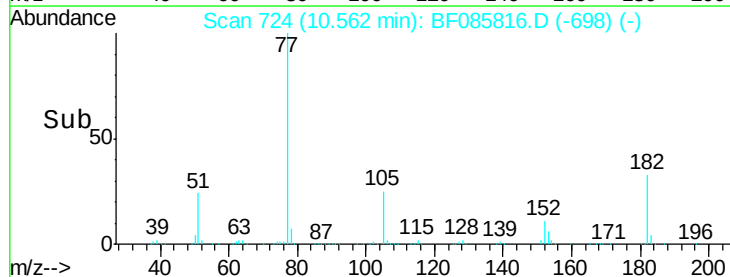
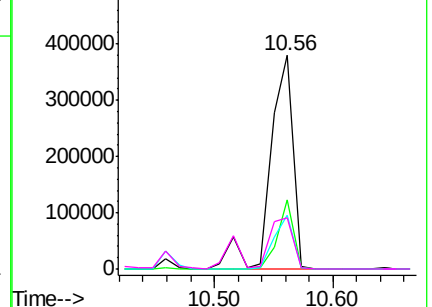


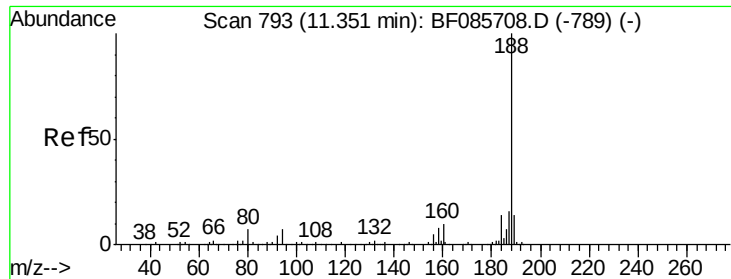
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

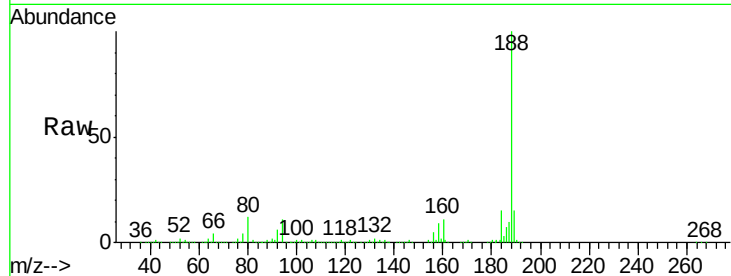
Tgt Ion:188 Resp: 361531

Ion Ratio Lower Upper

188 100

94 10.9 5.4 8.0#

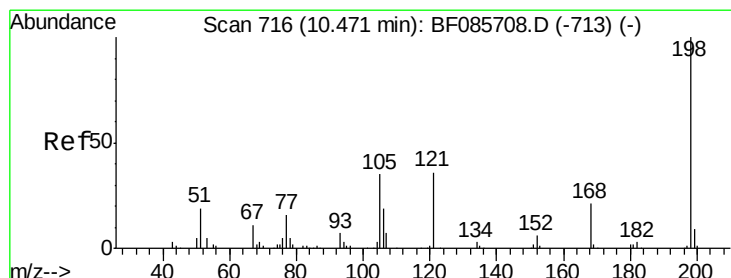
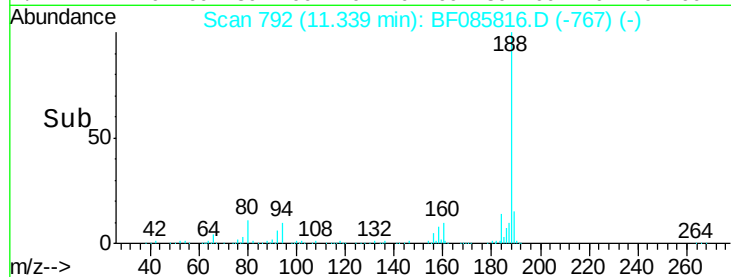
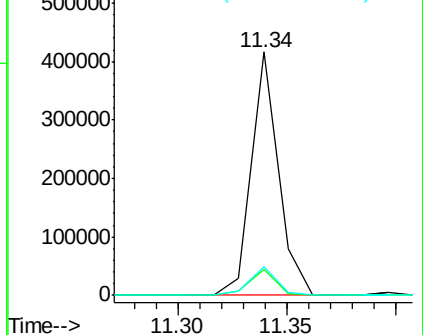
80 11.6 5.5 8.3#



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: 25.68 ng

RT: 10.46 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

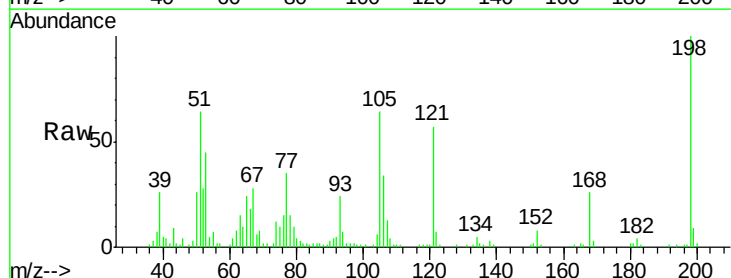
Tgt Ion:198 Resp: 54362

Ion Ratio Lower Upper

198 100

51 63.9 45.4 85.4

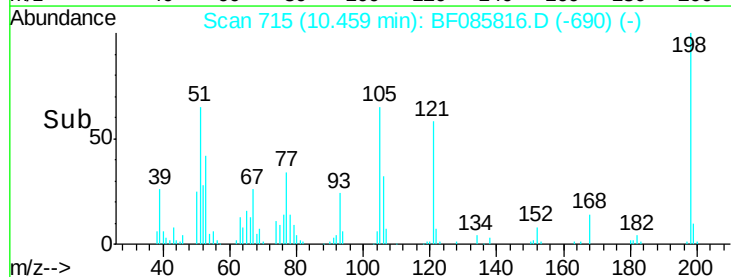
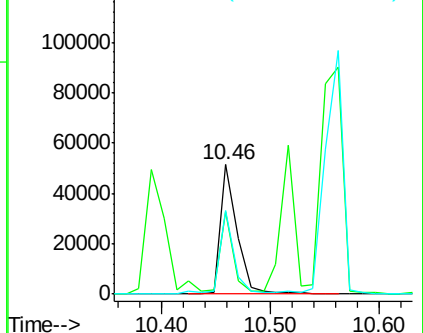
105 64.2 45.9 85.9

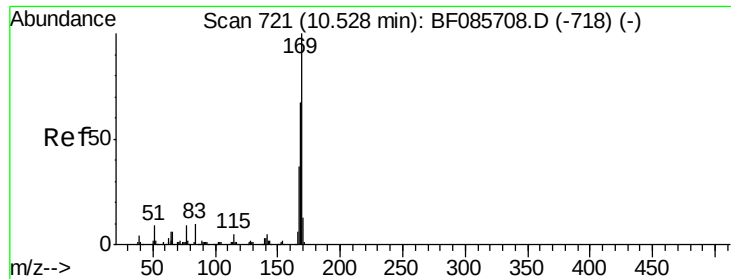


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 32.74 ng

RT: 10.52 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

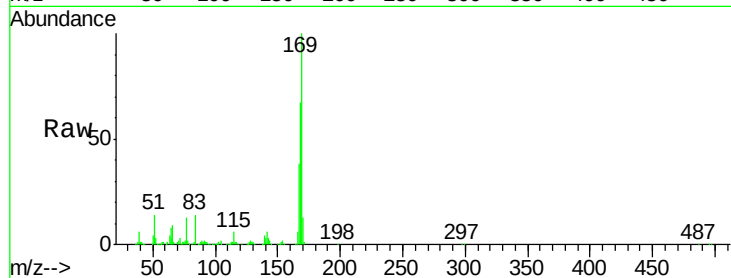
Tgt Ion:169 Resp: 374948

Ion Ratio Lower Upper

169 100

168 67.3 54.4 81.6

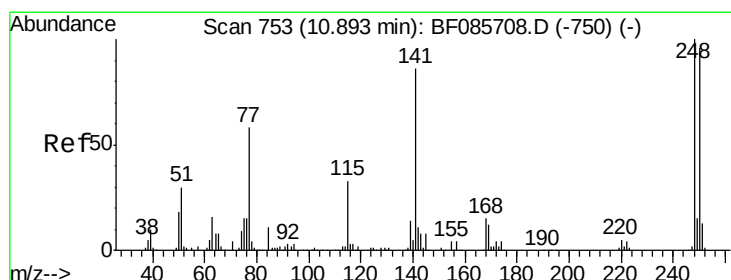
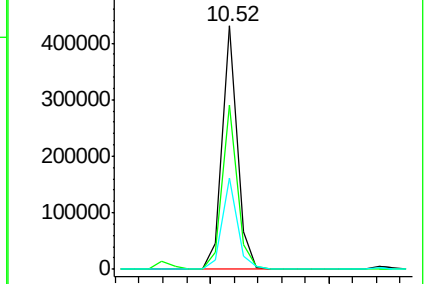
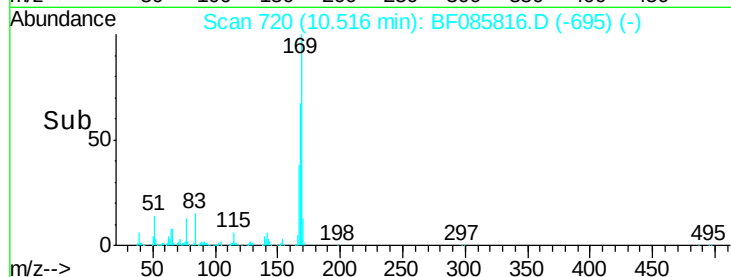
167 37.6 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 30.62 ng

RT: 10.88 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

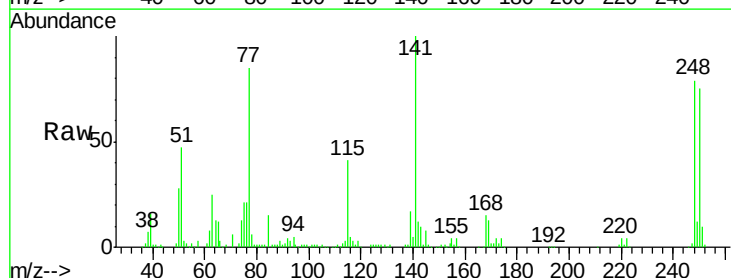
Tgt Ion:248 Resp: 113266

Ion Ratio Lower Upper

248 100

250 95.9 77.4 116.0

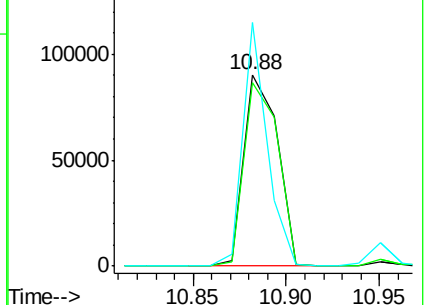
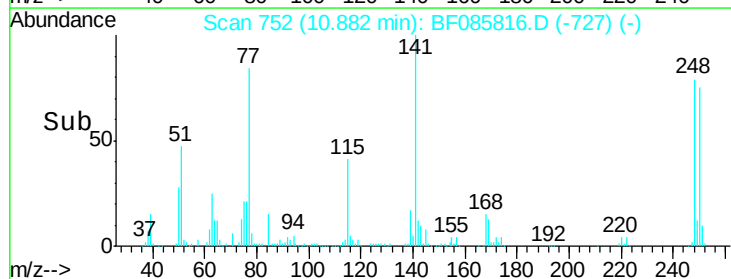
141 127.2 63.6 95.4#

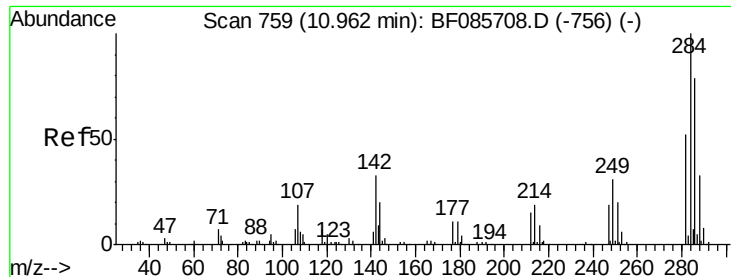


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 29.29 ng

RT: 10.95 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

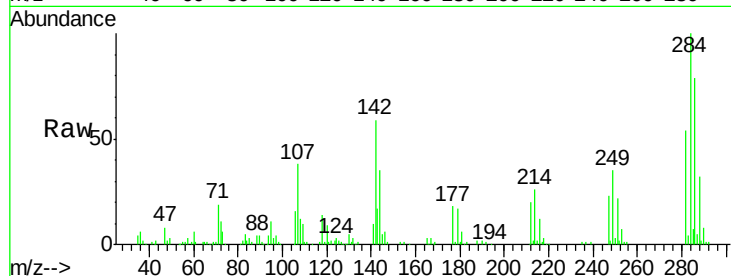
Tgt Ion:284 Resp: 113280

Ion Ratio Lower Upper

284 100

142 59.5 23.1 34.7#

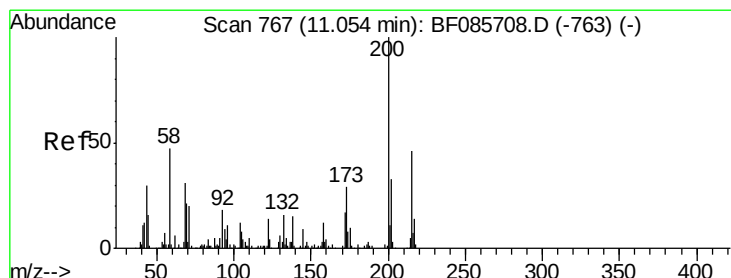
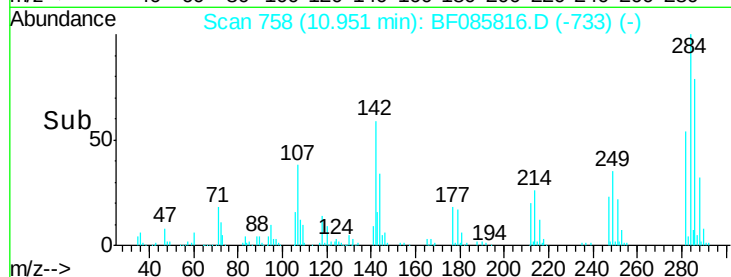
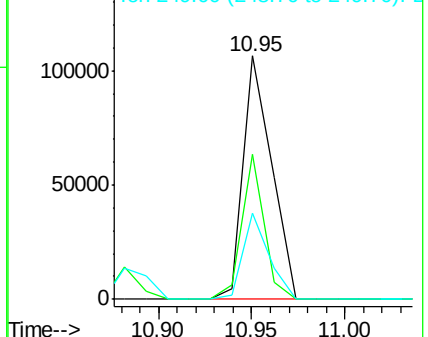
249 35.4 24.2 36.2



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: 28.68 ng

RT: 11.04 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

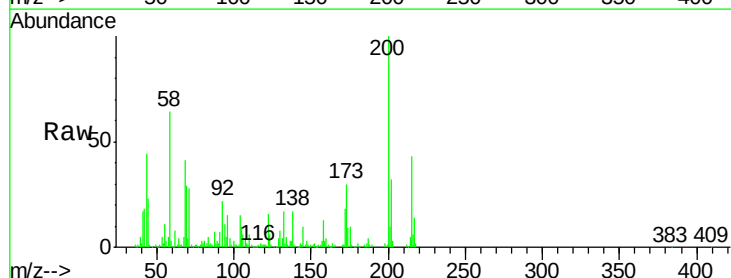
Tgt Ion:200 Resp: 110896

Ion Ratio Lower Upper

200 100

173 30.0 7.7 47.7

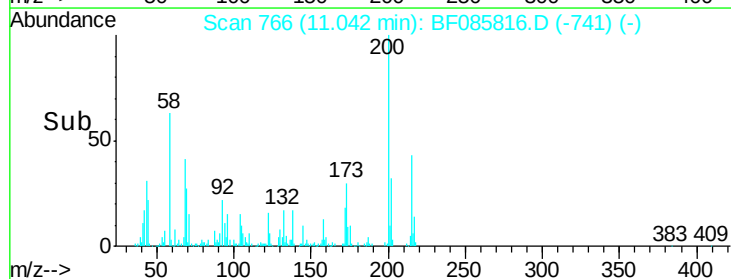
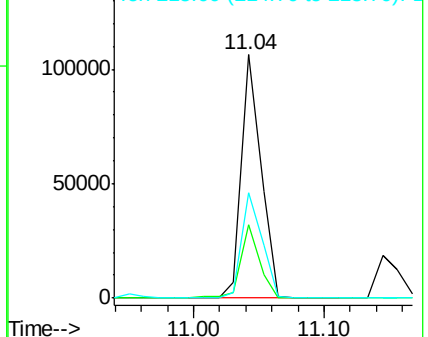
215 43.4 25.4 65.4

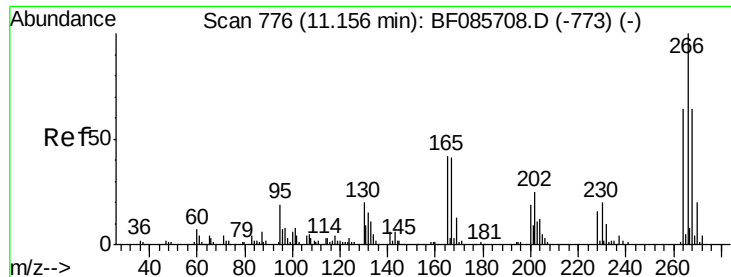


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

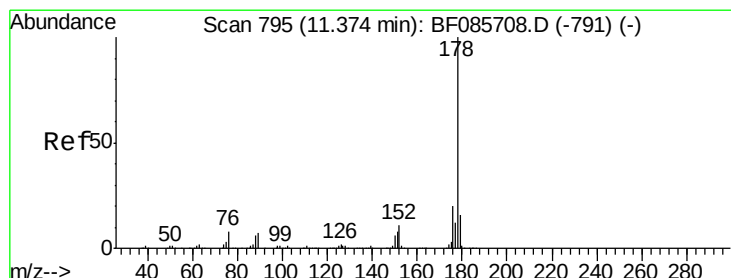
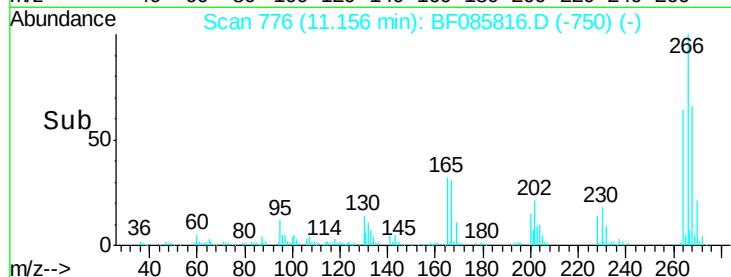
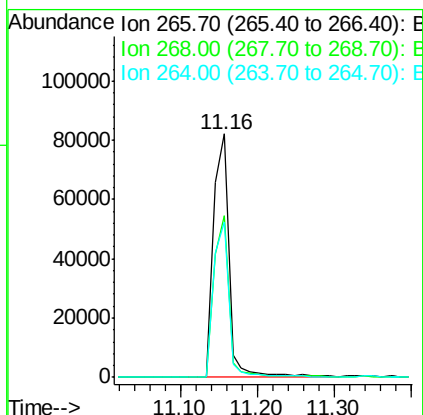
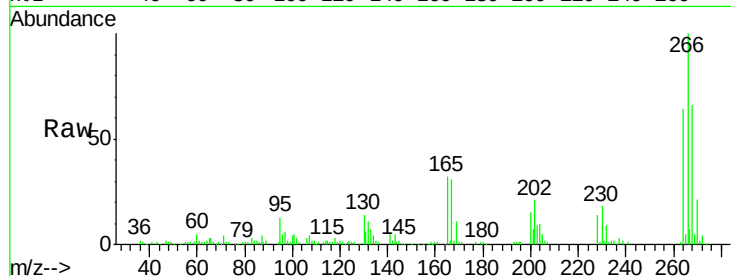




#69
 Pentachlorophenol
 Concen: 60.72 ng
 RT: 11.16 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

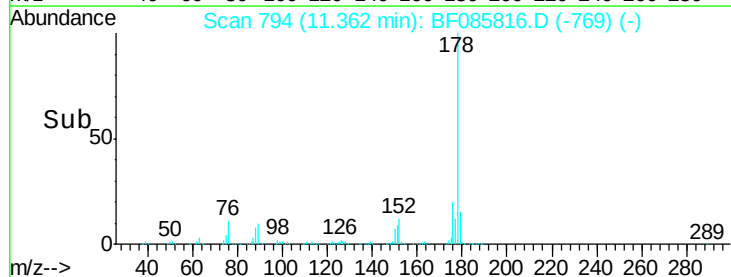
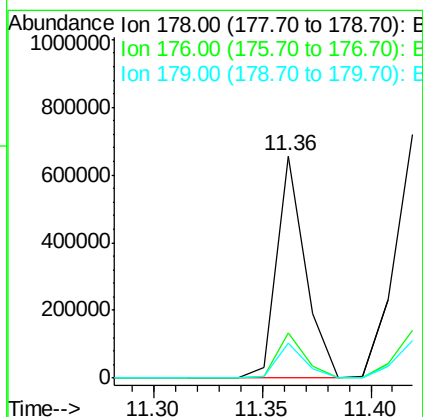
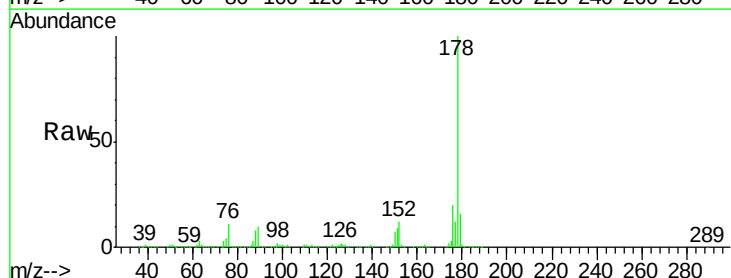
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

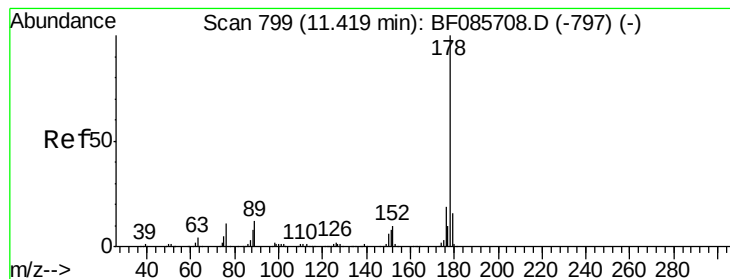
Tgt Ion:266 Resp: 115312
 Ion Ratio Lower Upper
 266 100
 268 66.3 51.5 77.3
 264 63.7 50.6 76.0



#70
 Phenanthrene
 Concen: 32.60 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:178 Resp: 605142
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.3 24.5
 179 15.7 12.6 18.8





#71

Anthracene

Concen: 34.60 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

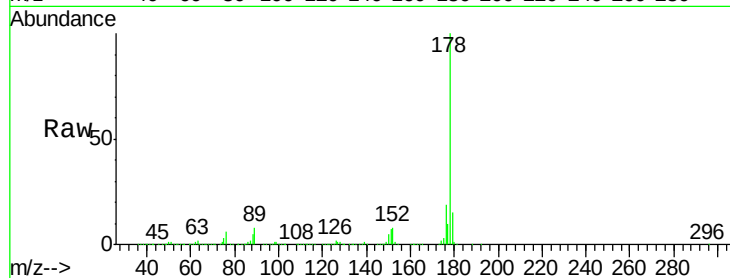
Tgt Ion:178 Resp: 674244

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

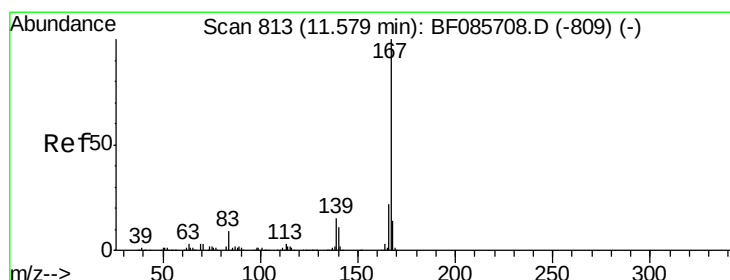
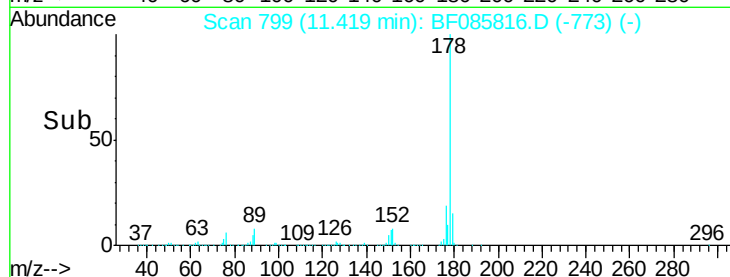
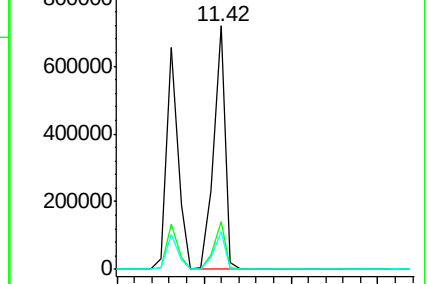
179 15.3 13.0 19.4



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



#72

Carbazole

Concen: 33.72 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

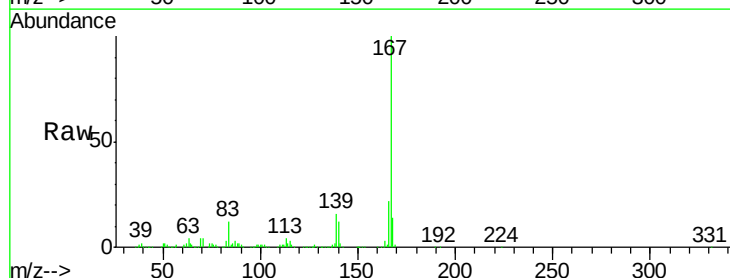
Tgt Ion:167 Resp: 551697

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.8

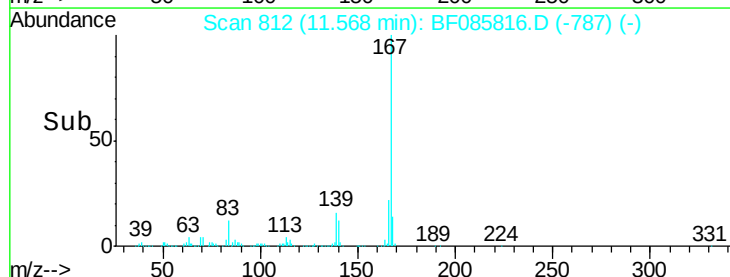
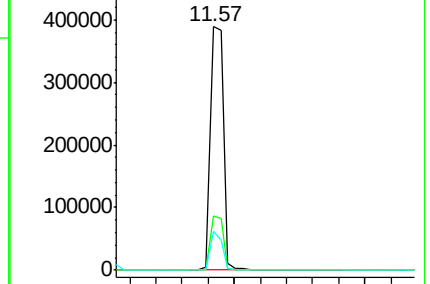
139 15.8 11.6 17.4

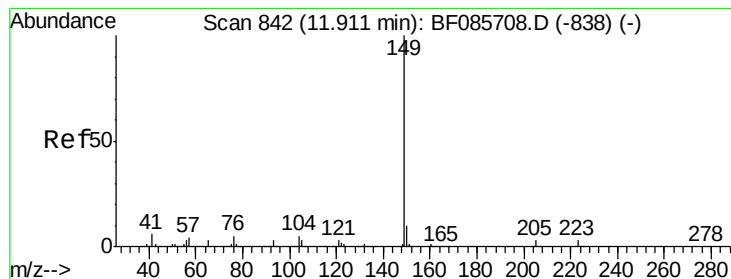


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 31.38 ng

RT: 11.90 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

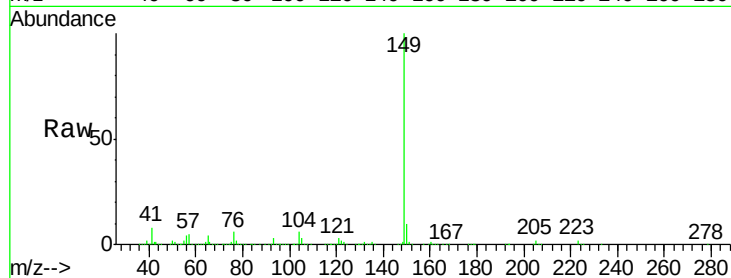
Tgt Ion:149 Resp: 704463

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

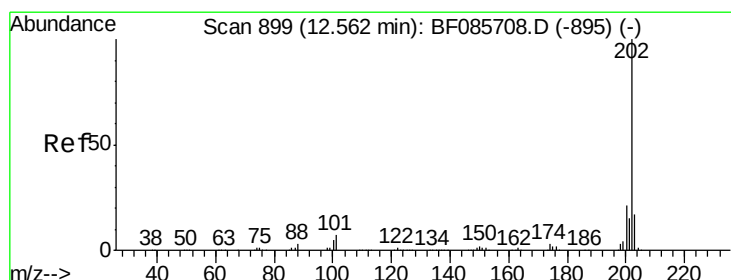
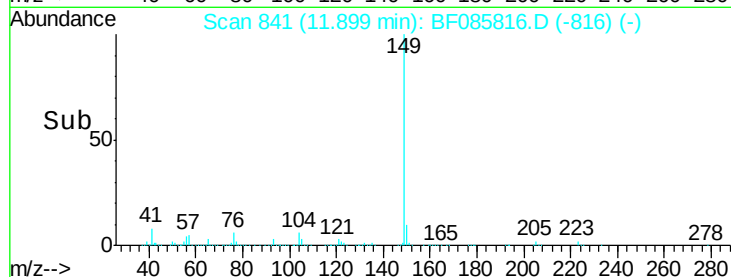
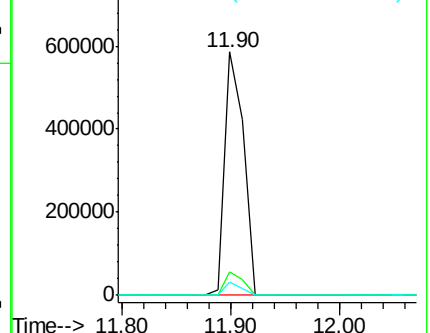
104 5.6 3.8 5.8



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: 30.05 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

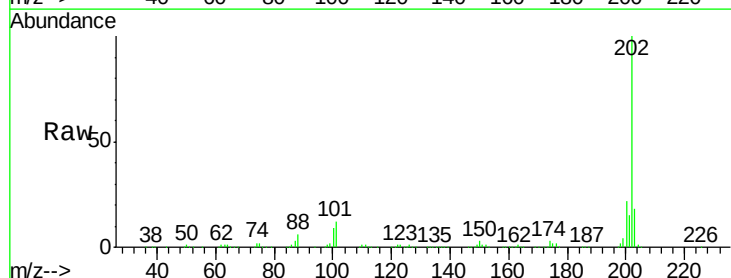
Tgt Ion:202 Resp: 592875

Ion Ratio Lower Upper

202 100

101 12.0 0.0 36.6

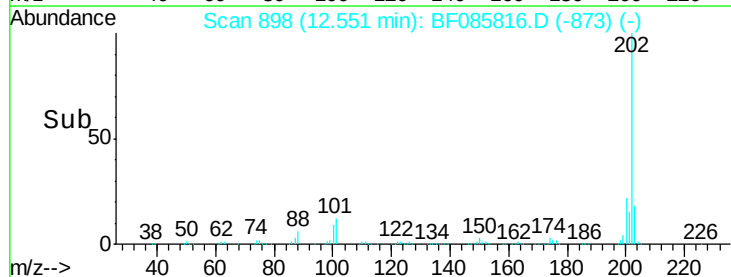
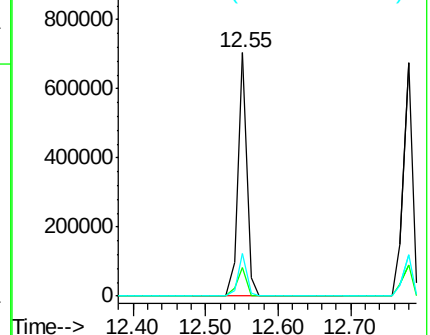
203 17.6 0.0 38.1

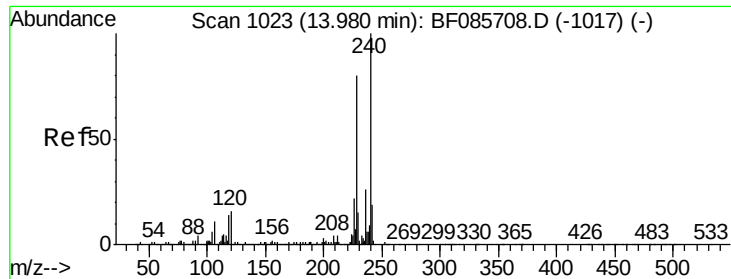


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

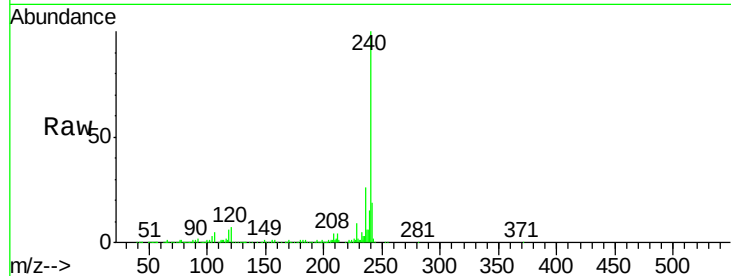
Tgt Ion:240 Resp: 214056

Ion Ratio Lower Upper

240 100

120 7.1 13.8 20.8#

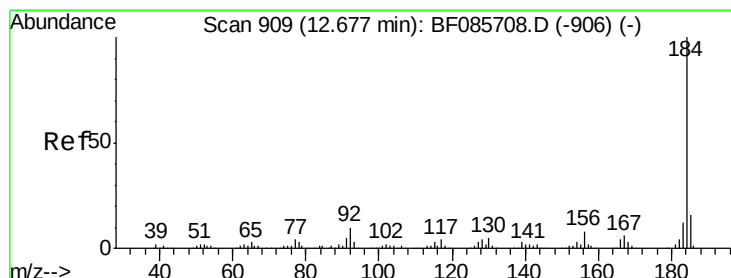
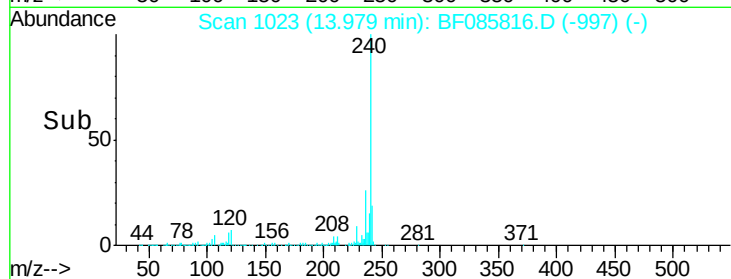
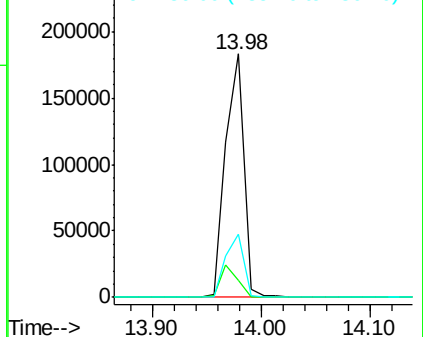
236 25.9 20.6 30.8



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: 35.90 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

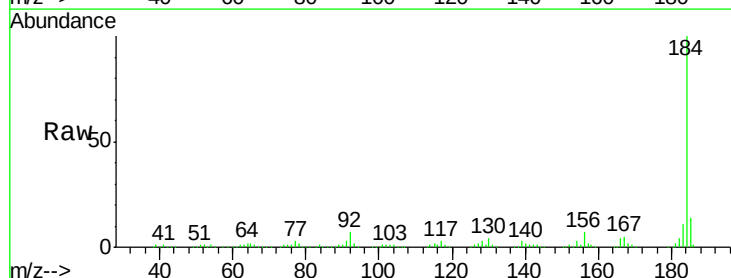
Tgt Ion:184 Resp: 270634

Ion Ratio Lower Upper

184 100

185 13.9 12.4 18.6

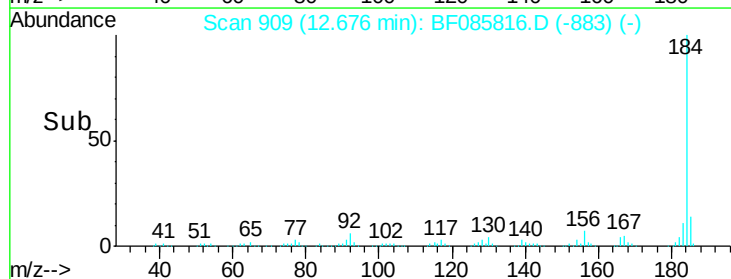
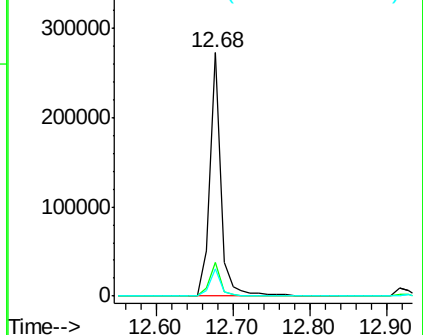
183 11.2 9.4 14.2

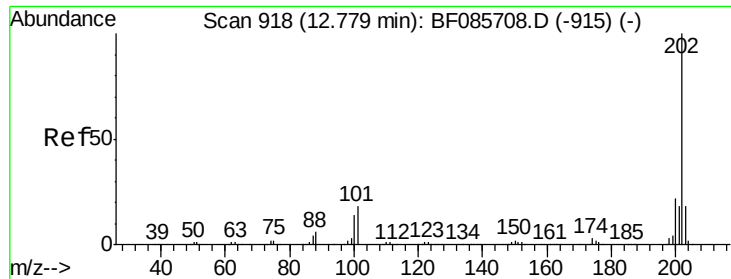


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

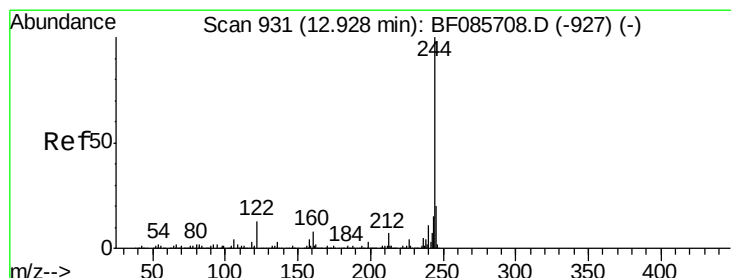
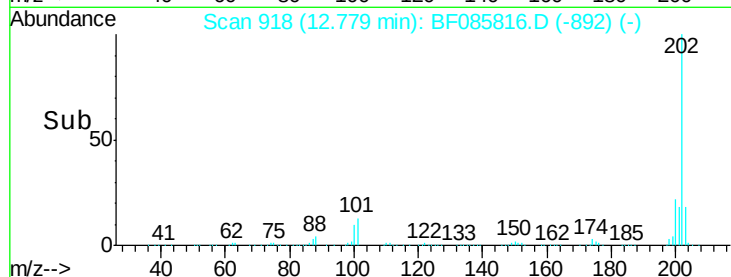
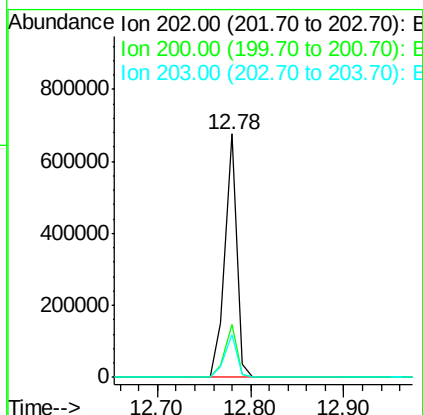
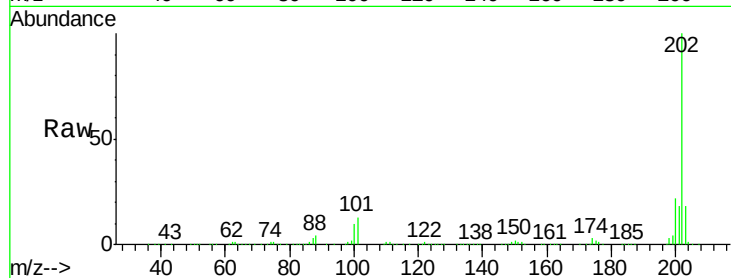




#77
 Pyrene
 Concen: 33.97 ng
 RT: 12.78 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

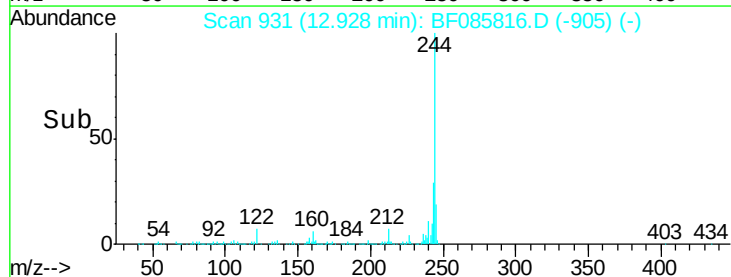
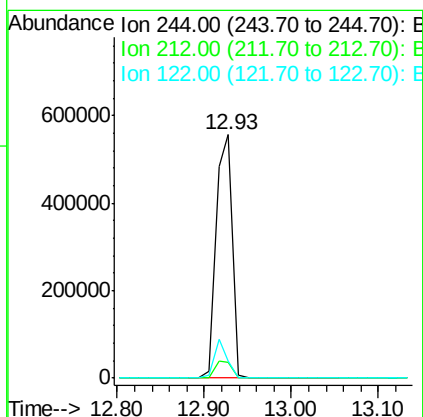
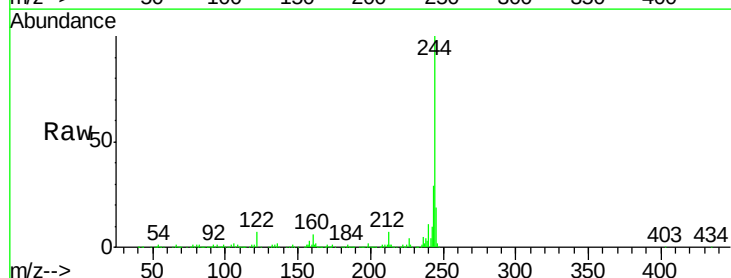
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

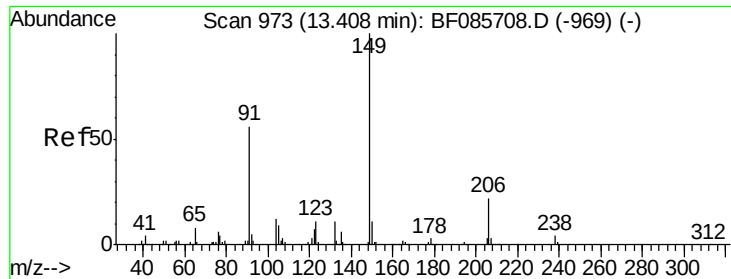
Tgt Ion: 202 Resp: 597642
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.6 26.4
 203 17.7 14.0 21.0



#78
 Terphenyl-d14
 Concen: 70.35 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion: 244 Resp: 732213
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 6.8 10.2 15.4#

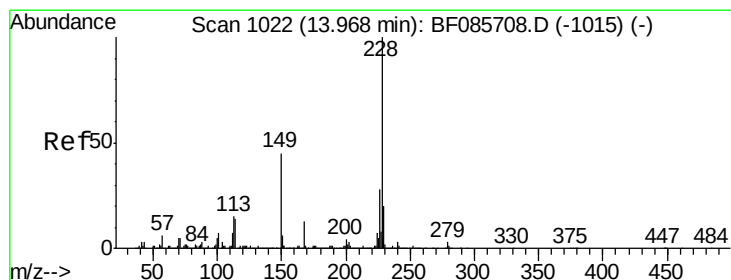
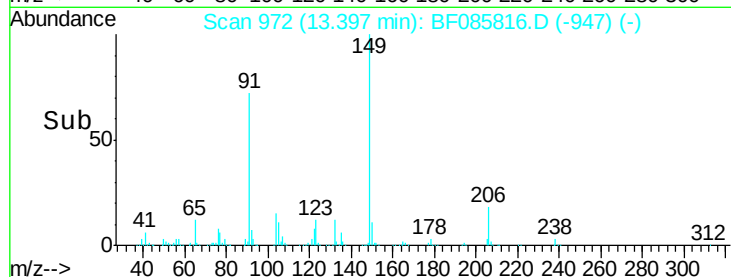
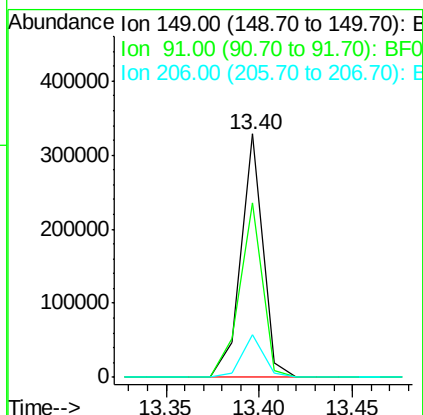
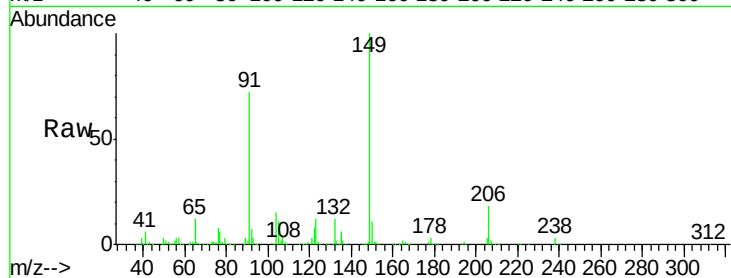




#79
Butylbenzylphthalate
Concen: 36.96 ng
RT: 13.40 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

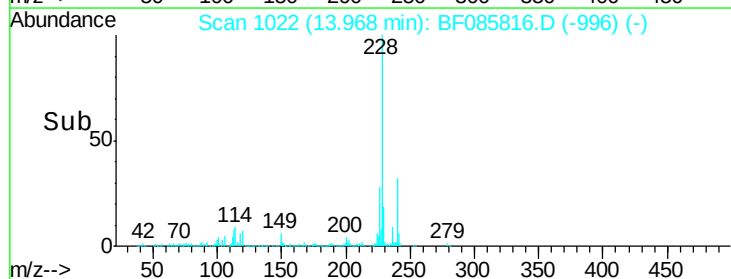
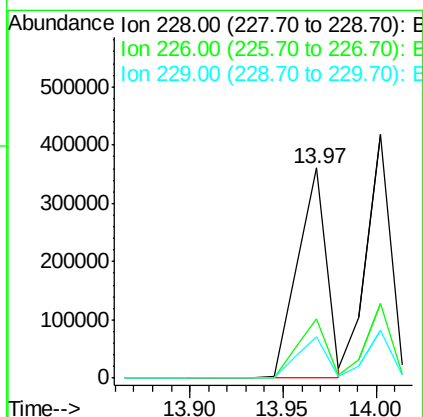
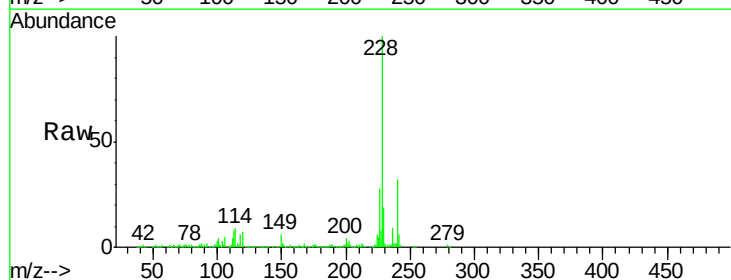
Instrument :
BNA_F
ClientSampleId :
GW-04(16-18)MSD

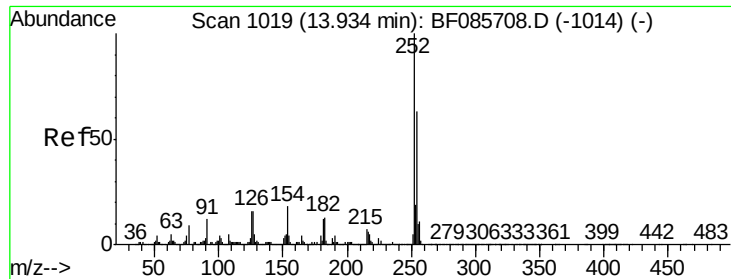
Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.7	45.8	68.8#
206	17.5	17.8	26.8#



#80
Benzo(a)anthracene
Concen: 31.93 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	19.5	16.2	24.4

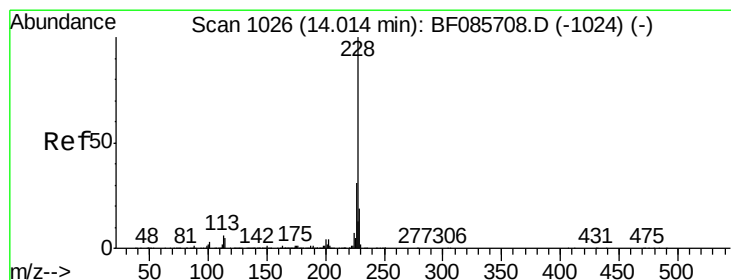
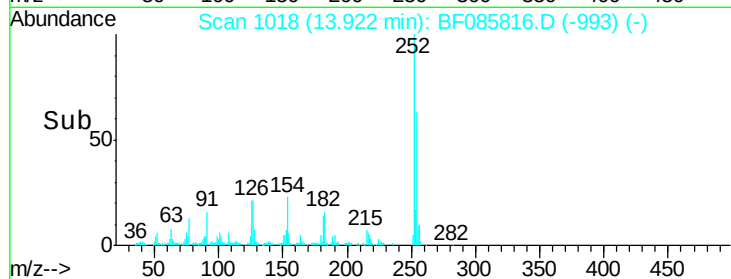
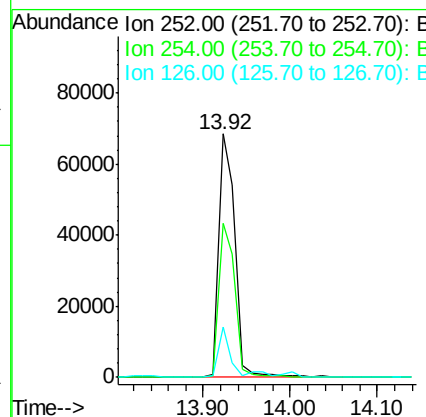
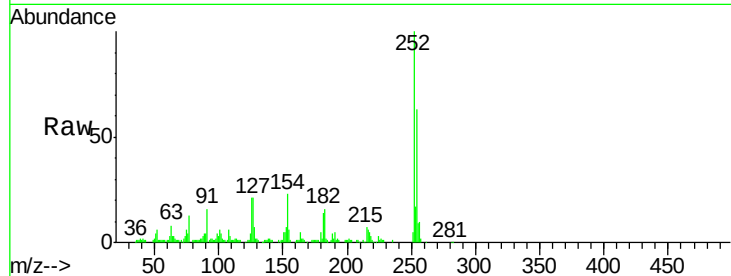




#81
 3,3'-Dichlorobenzidine
 Concen: 10.61 ng
 RT: 13.92 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

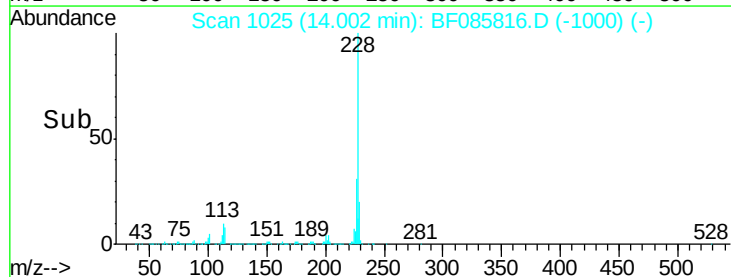
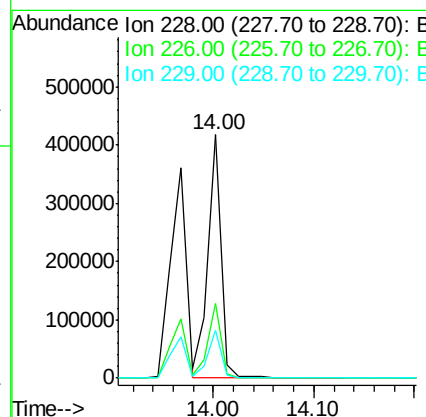
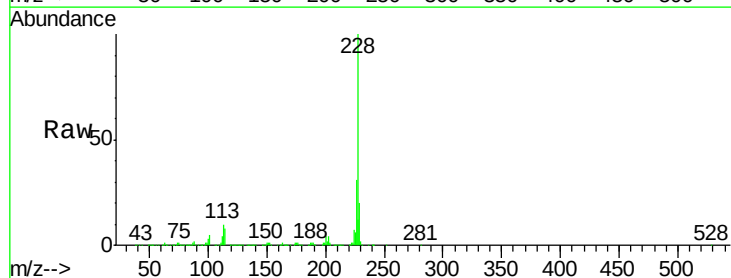
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

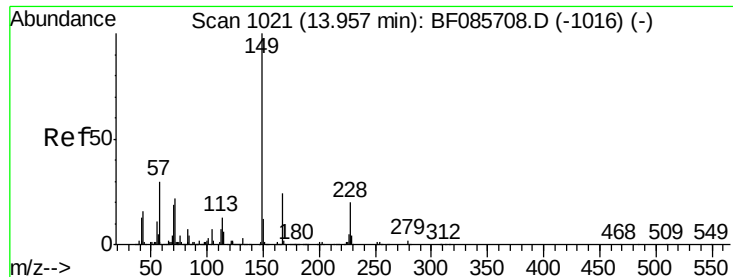
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.7	76.1
126	20.8	11.8	17.6



#82
 Chrysene
 Concen: 30.89 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	19.6	15.7	23.5

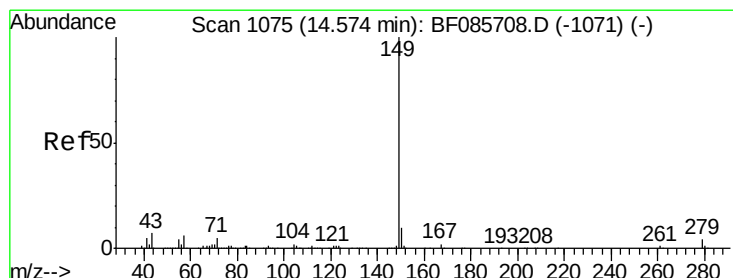
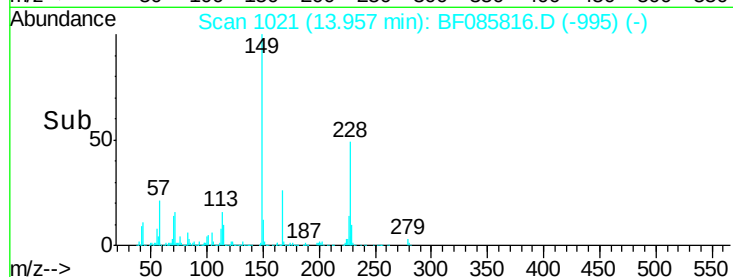
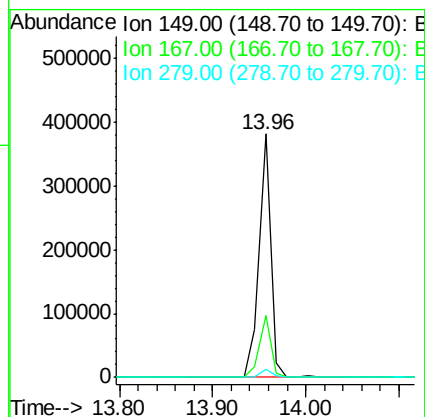
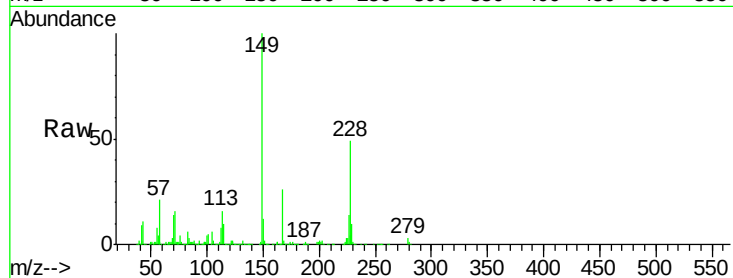




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.82 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

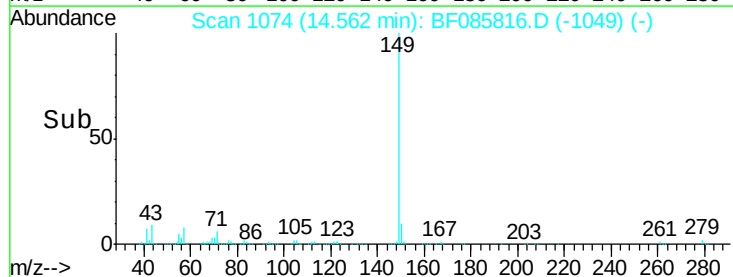
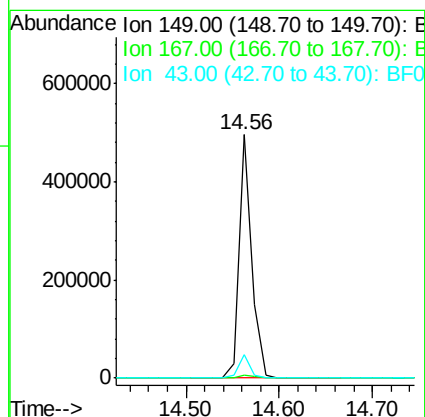
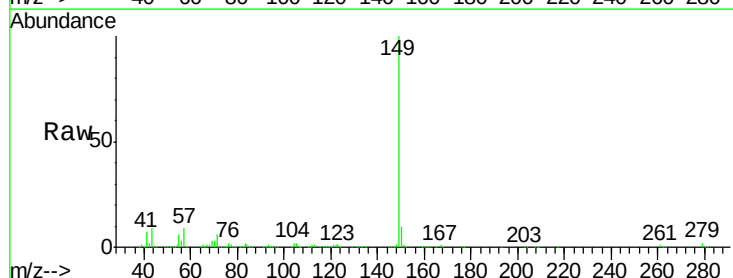
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

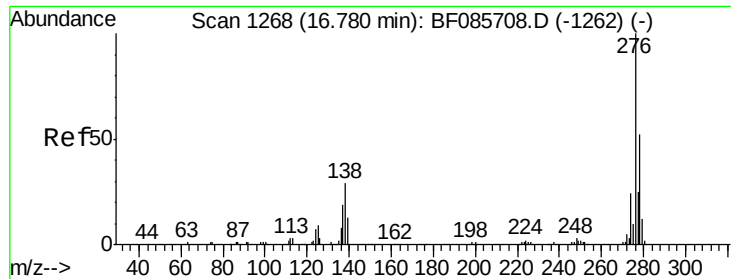
Tgt Ion:149 Resp: 333677
 Ion Ratio Lower Upper
 149 100
 167 25.6 19.4 29.2
 279 3.2 1.5 2.3#



#84
 Di-n-octyl phthalate
 Concen: 35.86 ng
 RT: 14.56 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion:149 Resp: 470406
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.8 7.1 10.7

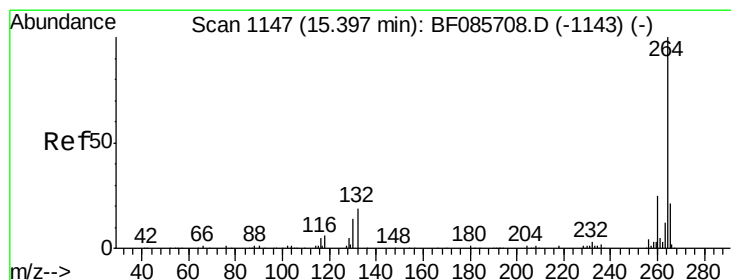
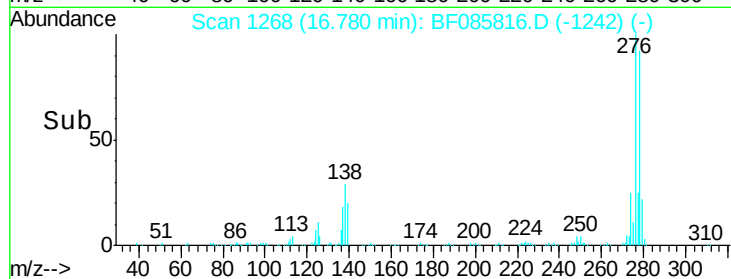
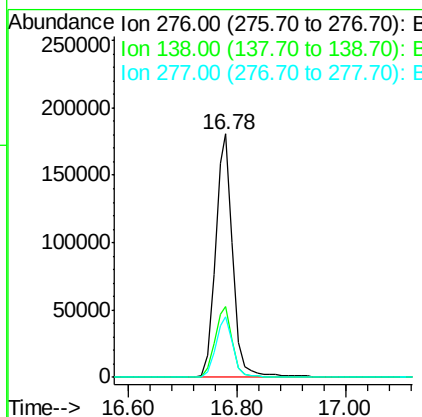
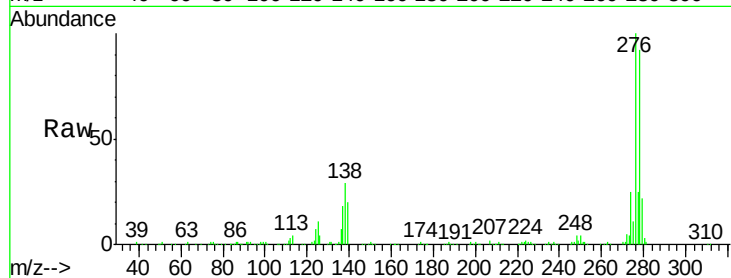




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.58 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

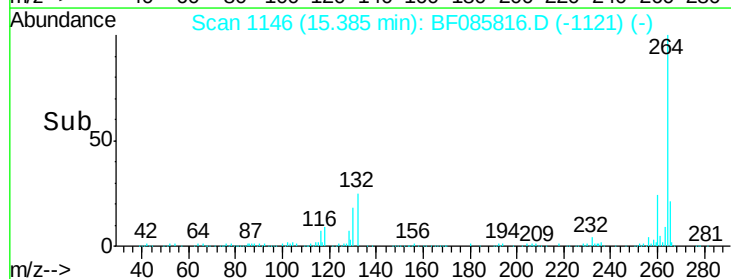
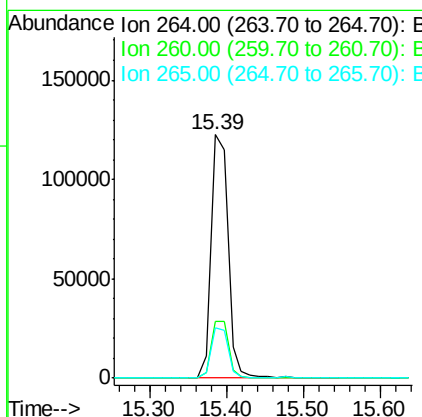
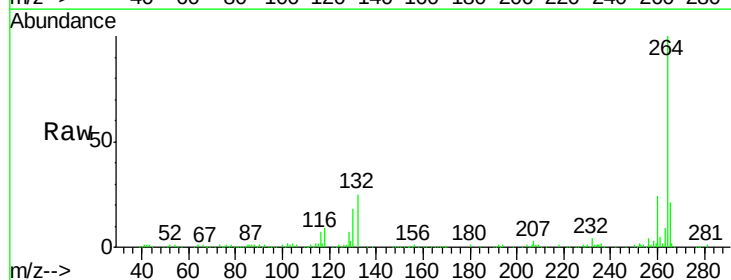
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(16-18)MSD

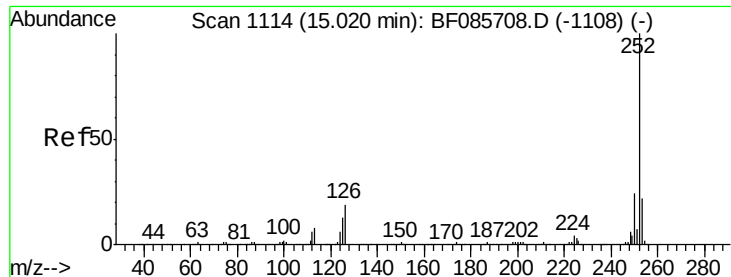
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	24.2	36.4
277	25.0	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF085816.D
 Acq: 28 Mar 2016 22:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	20.8	17.2	25.8

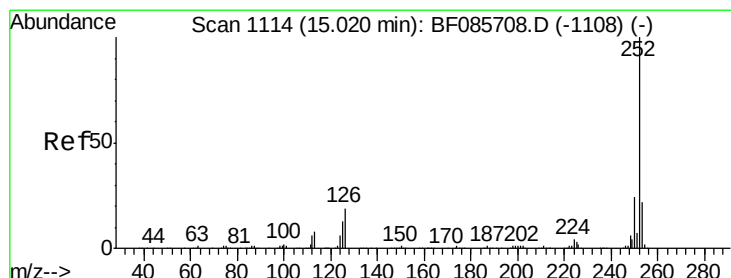
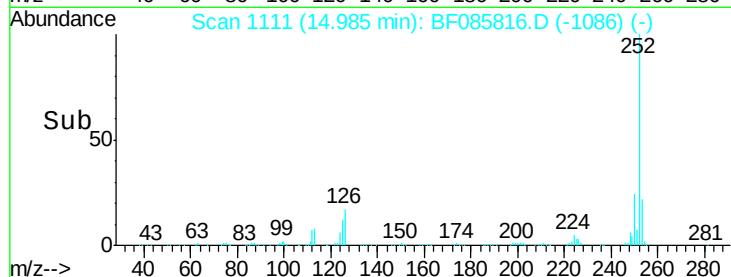
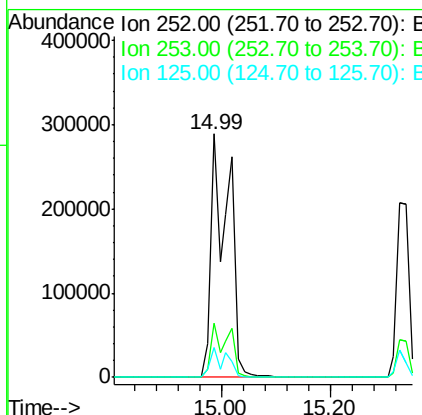
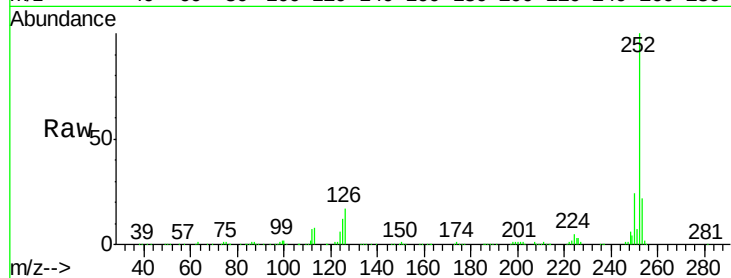




#87
Benzo(b)fluoranthene
Concen: 55.85 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

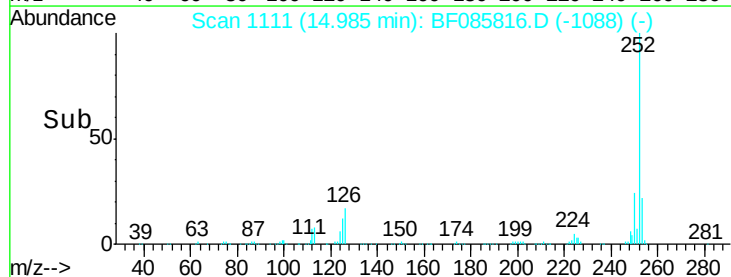
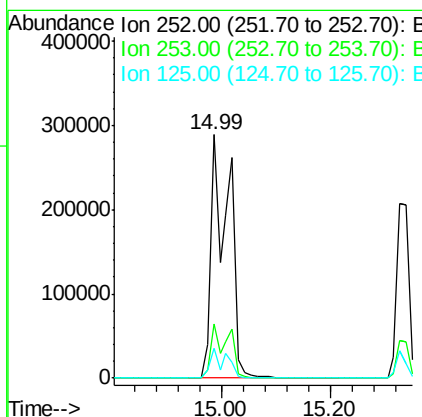
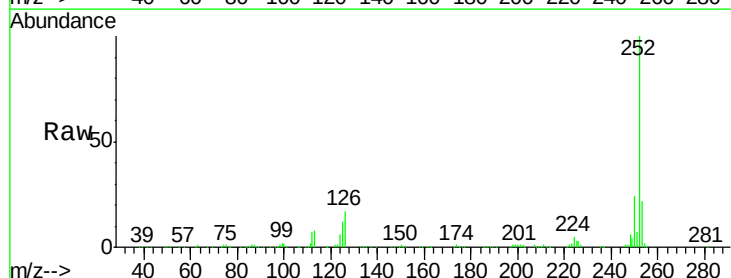
Instrument :
BNA_F
ClientSampleId :
GW-04(16-18)MSD

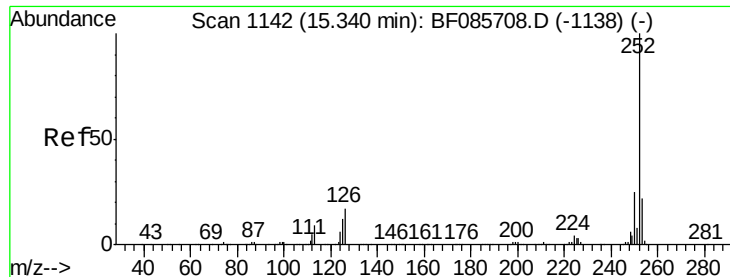
Tgt Ion:252 Resp: 661496
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.4 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 61.95 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BF085816.D
Acq: 28 Mar 2016 22:10

Tgt Ion:252 Resp: 661496
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 12.4 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 31.26 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD

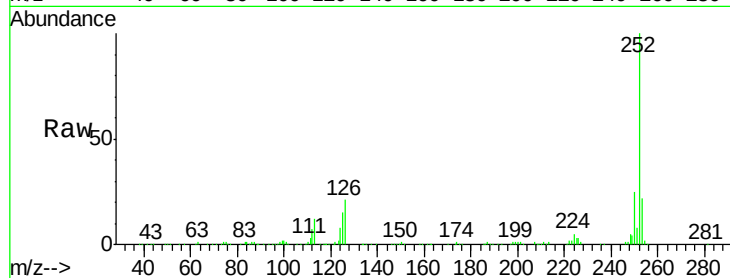
Tgt Ion:252 Resp: 328707

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

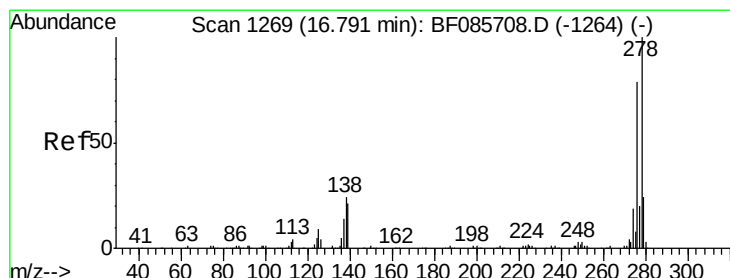
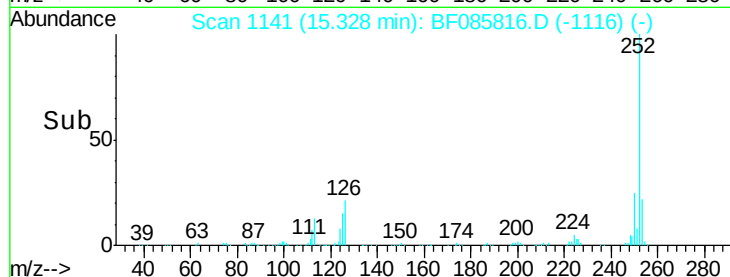
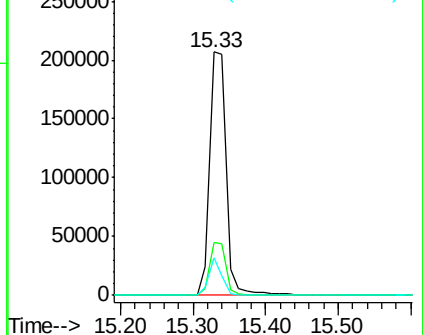
125 15.4 10.3 15.5



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: 34.70 ng

RT: 16.79 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF085816.D

Acq: 28 Mar 2016 22:10

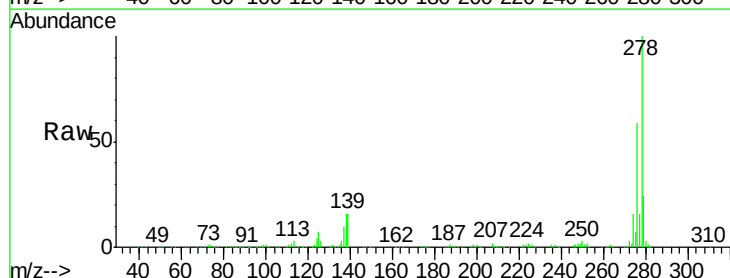
Tgt Ion:278 Resp: 339076

Ion Ratio Lower Upper

278 100

139 15.9 14.4 21.6

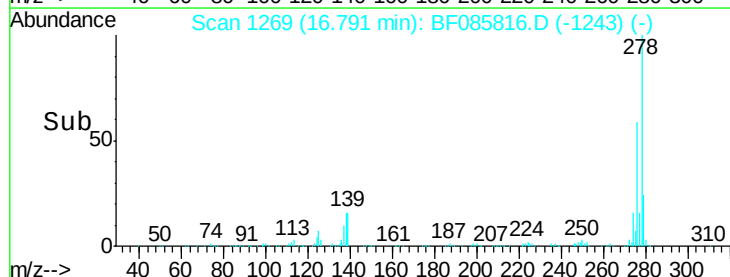
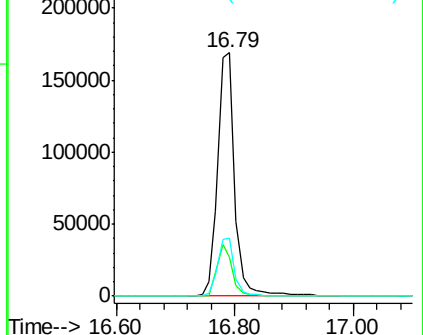
279 24.1 19.1 28.7

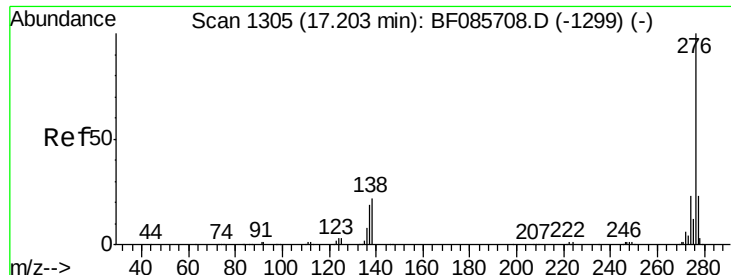


Abundance Ion 278.00 (277.70 to 278.70): E

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: 35.06 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085816.D

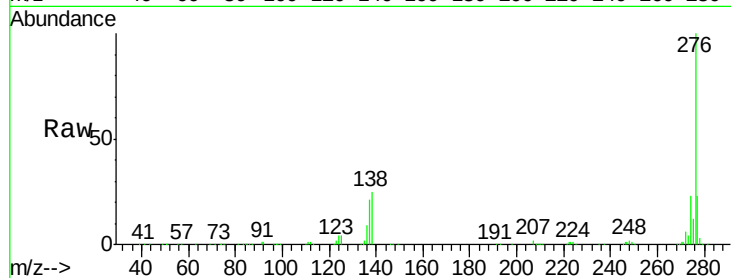
Acq: 28 Mar 2016 22:10

Instrument :

BNA_F

ClientSampleId :

GW-04(16-18)MSD



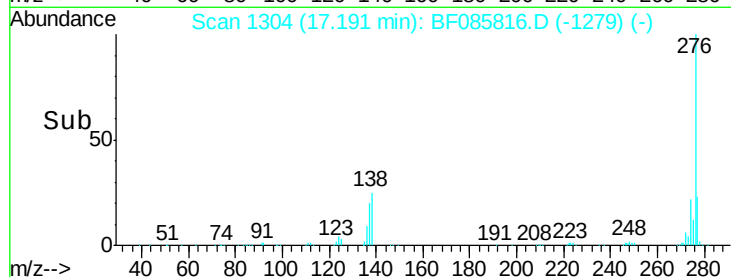
Tgt Ion: 276 Resp: 346937

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 25.2 22.6 34.0



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

