

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100215\
 Data File : BF082016.D
 Acq On : 3 Oct 2015 11:00
 Operator : UM/IZ
 Sample : G3897-03MSD
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Quant Time: Oct 05 00:24:33 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	87658	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	333162	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	175809	20.00	ng	-0.03
63) Phenanthrene-d10	11.43	188	357948	20.00	ng	-0.03
75) Chrysene-d12	14.08	240	330311	20.00	ng	-0.03
86) Perylene-d12	15.53	264	258698	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	738438	152.92	ng	-0.03
7) Phenol-d6	6.53	99	977803	160.92	ng	-0.03
23) Nitrobenzene-d5	7.46	82	579333	115.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	271354	152.40	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	988377	96.62	ng	-0.05
78) Terphenyl-d14	13.02	244	1126981	126.98	ng	-0.03

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.51	88	91368	43.51	ng	89
3) Pyridine	3.25	79	190606	34.86	ng	# 84
4) n-Nitrosodimethylamine	3.20	42	89262	35.95	ng	95
6) Aniline	6.55	93	263033	32.22	ng	# 86
8) 2-Chlorophenol	6.67	128	243449	45.65	ng	99
9) Benzaldehyde	6.43	77	17496	4.40	ng	# 78
10) Phenol	6.54	94	278000	40.79	ng	77
11) bis(2-Chloroethyl)ether	6.63	93	247705	46.86	ng	94
12) 1,3-Dichlorobenzene	6.82	146	250421	39.76	ng	# 92
13) 1,4-Dichlorobenzene	6.90	146	256658	39.02	ng	# 92
14) 1,2-Dichlorobenzene	7.06	146	254100	43.36	ng	98
15) Benzyl Alcohol	7.03	79	173425	39.54	ng	# 74
16) 2,2'-oxybis(1-Chloropropan	7.17	45	311040	41.62	ng	80
17) 2-Methylphenol	7.14	107	190696	44.11	ng	# 86
18) Hexachloroethane	7.41	117	119312	57.95	ng	# 61
19) n-Nitroso-di-n-propylamine	7.30	70	168236	45.56	ng	# 77
20) 3+4-Methylphenols	7.30	107	232418	42.56	ng	# 39
22) Acetophenone	7.30	105	386790	56.78	ng	# 80
24) Nitrobenzene	7.47	77	236689	43.61	ng	# 66
25) Isophorone	7.71	82	492551	49.72	ng	# 88
26) 2-Nitrophenol	7.79	139	129637	49.76	ng	# 65
27) 2,4-Dimethylphenol	7.83	122	216754	47.30	ng	# 80
28) bis(2-Chloroethoxy)methane	7.93	93	277976	47.25	ng	# 94
29) 2,4-Dichlorophenol	8.03	162	223945	50.40	ng	98
30) 1,2,4-Trichlorobenzene	8.11	180	216234	43.59	ng	97
31) Naphthalene	8.21	128	675548	45.76	ng	97
32) Benzoic acid	7.95	122	150796	53.94	ng	# 63
33) 4-Chloroaniline	8.25	127	170390	26.69	ng	# 90
34) Hexachlorobutadiene	8.32	225	130986	44.64	ng	99
35) Caprolactam	8.59	113	146058	118.73	ng	# 1
36) 4-Chloro-3-methylphenol	8.73	107	200091	46.05	ng	# 80
37) 2-Methylnaphthalene	8.89	142	679008	67.38	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	282367	52.32	ng	98
40) Hexachlorocyclopentadiene	9.04	237	265015	95.35	ng	95

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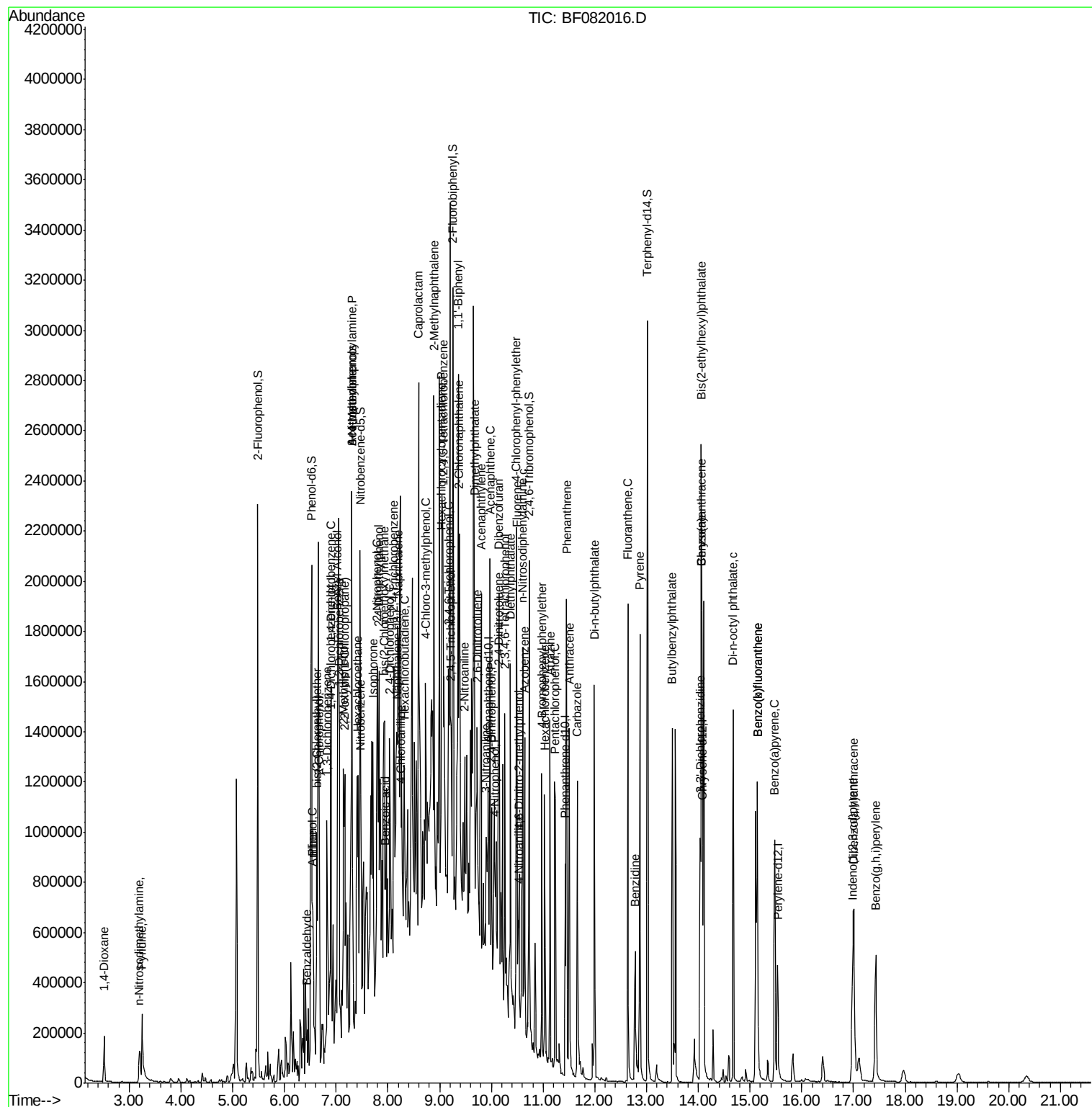
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	146845	39.69	ng	99
43) 2,4,5-Trichlorophenol	9.22	196	162265	42.64	ng #	93
45) 1,1'-Biphenyl	9.36	154	677129	49.92	ng	94
46) 2-Chloronaphthalene	9.38	162	432202	40.58	ng #	92
47) 2-Nitroaniline	9.49	65	134865	43.14	ng #	80
48) Acenaphthylene	9.81	152	753285	44.19	ng	96
49) Dimethylphthalate	9.67	163	763387	62.91	ng #	98
50) 2,6-Dinitrotoluene	9.73	165	108509	41.18	ng #	58
51) Acenaphthene	9.98	154	523801	51.75	ng	89
52) 3-Nitroaniline	9.90	138	91382	29.98	ng #	72
53) 2,4-Dinitrophenol	10.00	184	117632	86.62	ng #	36
54) Dibenzofuran	10.15	168	676787	47.31	ng #	90
55) 4-Nitrophenol	10.07	139	213232	96.82	ng #	78
56) 2,4-Dinitrotoluene	10.14	165	163552	48.69	ng	95
57) Fluorene	10.49	166	552591	54.46	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.26	232	150582	49.89	ng #	97
59) Diethylphthalate	10.37	149	514584	45.40	ng	99
60) 4-Chlorophenyl-phenylether	10.48	204	247934	47.34	ng #	86
61) 4-Nitroaniline	10.53	138	125474	41.06	ng #	61
62) Azobenzene	10.64	77	524310	47.39	ng	92
64) 4,6-Dinitro-2-methylphenol	10.54	198	78000	48.02	ng	95
65) n-Nitrosodiphenylamine	10.61	169	488620	45.12	ng	93
66) 4-Bromophenyl-phenylether	10.97	248	167925	46.53	ng	99
67) Hexachlorobenzene	11.03	284	162619	39.92	ng #	82
68) Atrazine	11.13	200	177481	52.82	ng	83
69) Pentachlorophenol	11.23	266	226008	97.38	ng	98
70) Phenanthrene	11.45	178	770655	44.73	ng	95
71) Anthracene	11.51	178	867416	47.68	ng	99
72) Carbazole	11.66	167	749723	45.53	ng	94
73) Di-n-butylphthalate	11.99	149	835182	49.95	ng #	98
74) Fluoranthene	12.64	202	858211	44.76	ng	90
76) Benzidine	12.78	184	422610	42.46	ng	97
77) Pyrene	12.87	202	845653	42.86	ng	95
79) Butylbenzylphthalate	13.50	149	394656	53.15	ng	98
80) Benzo(a)anthracene	14.07	228	750540	42.20	ng	96
81) 3,3'-Dichlorobenzidine	14.04	252	269915	44.93	ng #	94
82) Chrysene	14.07	228	750540	53.76	ng	97
83) Bis(2-ethylhexyl)phthalate	14.06	149	503210	54.03	ng #	95
84) Di-n-octyl phthalate	14.68	149	882165	58.20	ng #	91
85) Indeno(1,2,3-cd)pyrene	16.98	276	619040	44.49	ng #	87
87) Benzo(b)fluoranthene	15.14	252	1357596	91.92	ng #	85
88) Benzo(k)fluoranthene	15.14	252	1359101	100.40	ng #	86
89) Benzo(a)pyrene	15.48	252	625672	48.84	ng #	86
90) Dibenzo(a,h)anthracene	17.01	278	514605	47.87	ng #	82
91) Benzo(g,h,i)perylene	17.43	276	500091	45.40	ng #	76

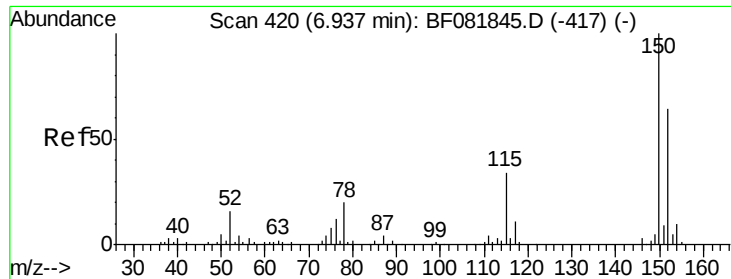
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

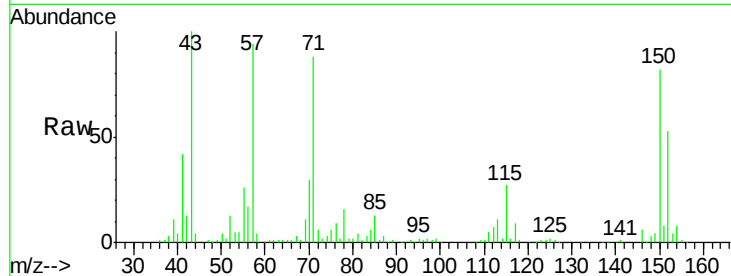
Tgt Ion:152 Resp: 87658

Ion Ratio Lower Upper

152 100

150 154.2 124.7 187.1

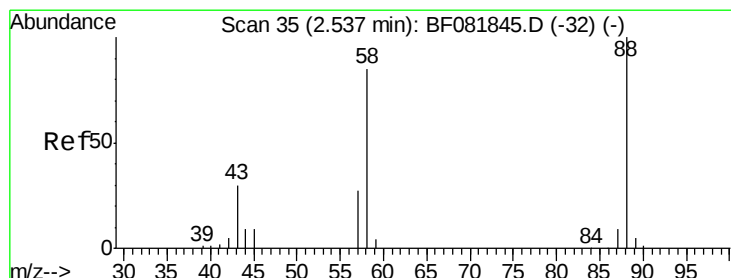
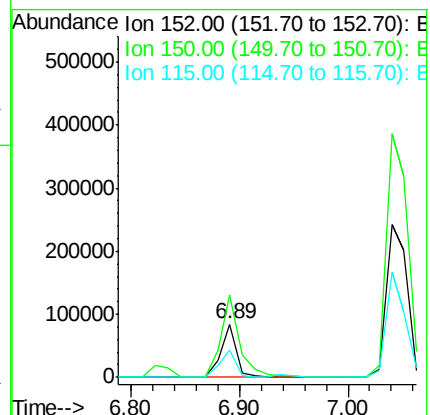
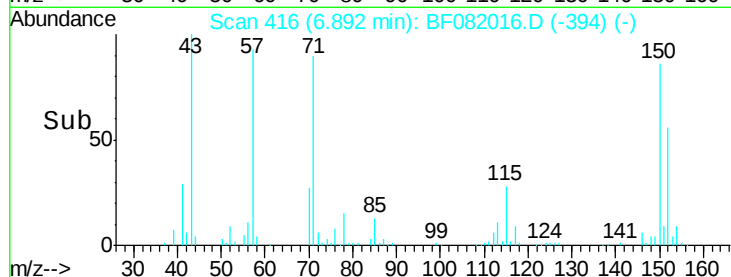
115 50.7 39.0 58.4



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: 43.51 ng

RT: 2.51 min Scan# 33

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

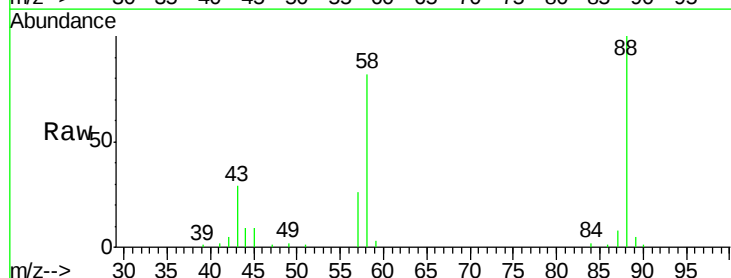
Tgt Ion: 88 Resp: 91368

Ion Ratio Lower Upper

88 100

58 85.0 77.7 116.5

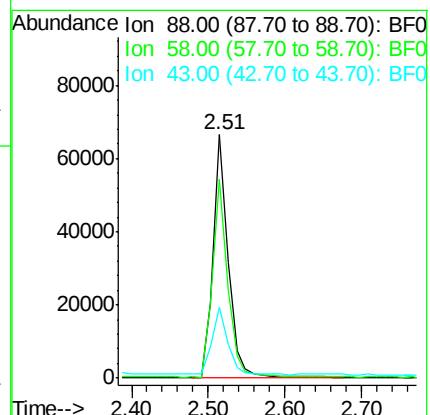
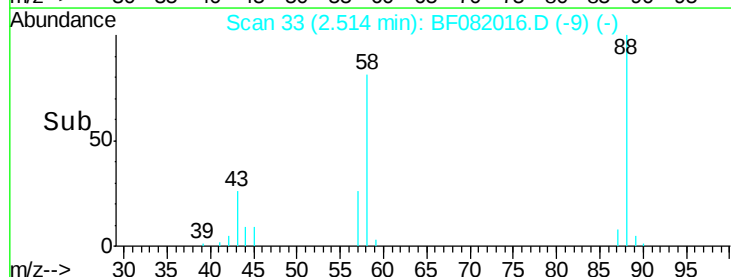
43 29.1 26.6 40.0



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 34.86 ng

RT: 3.25 min Scan# 97

Delta R.T. -0.06 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

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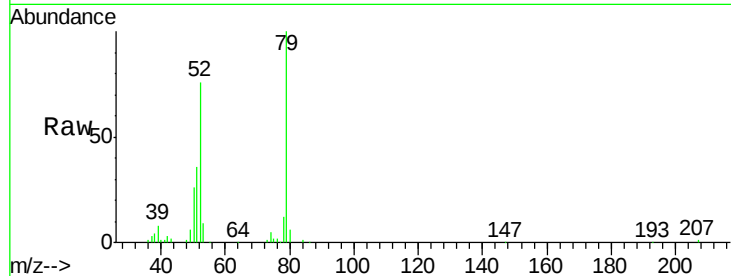
Tgt Ion: 79 Resp: 190606

Ion Ratio Lower Upper

79 100

52 76.2 76.8 115.2#

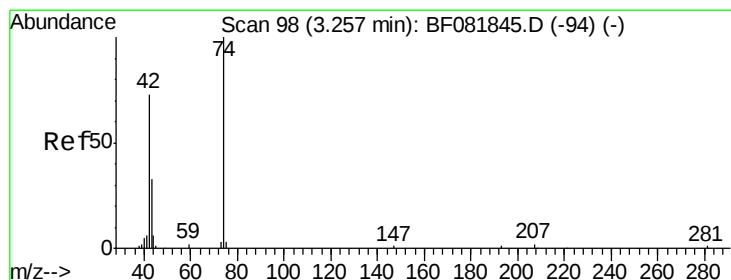
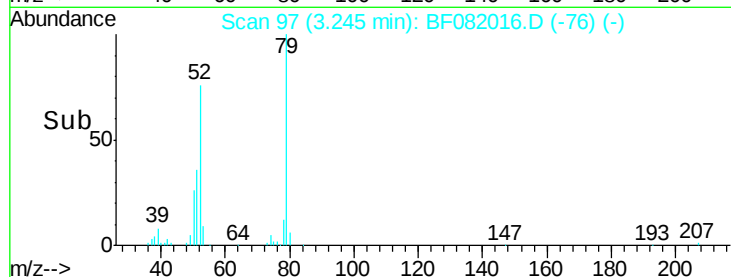
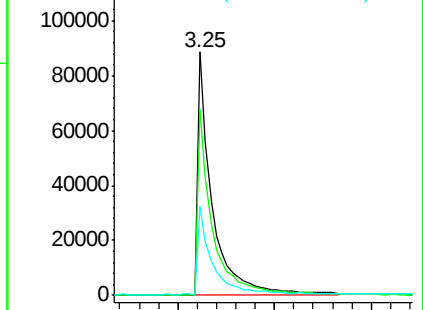
51 36.4 32.2 48.4



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: 35.95 ng

RT: 3.20 min Scan# 93

Delta R.T. -0.06 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

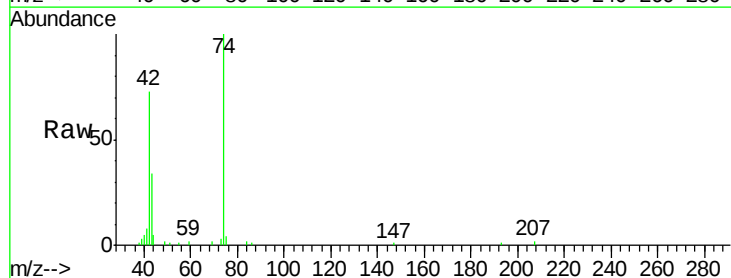
Tgt Ion: 42 Resp: 89262

Ion Ratio Lower Upper

42 100

74 137.7 105.0 157.6

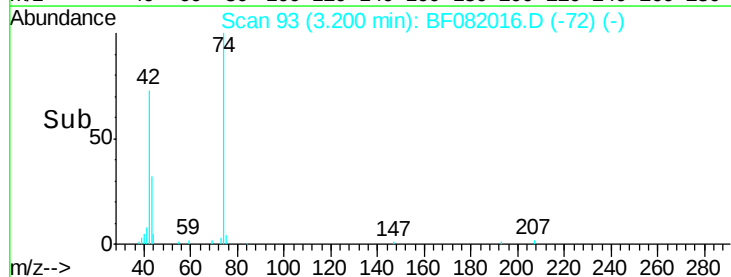
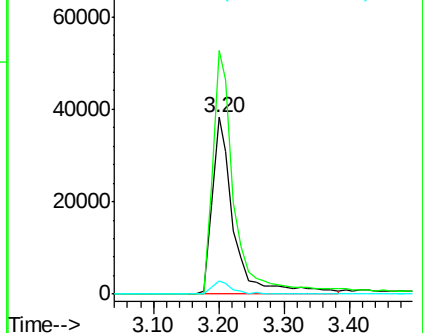
44 7.2 6.6 10.0

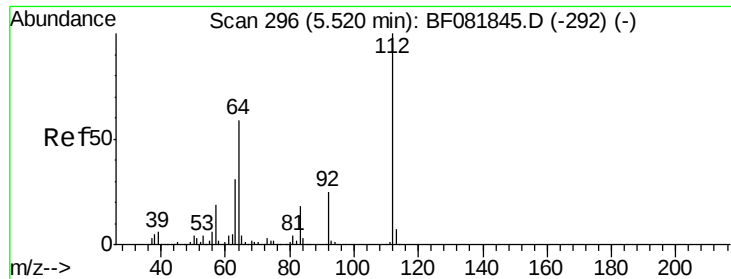


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 152.92 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082016.D

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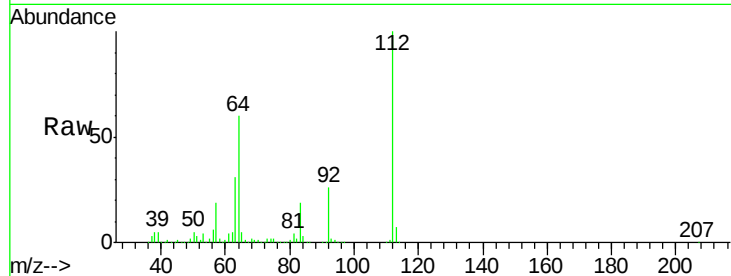
Tgt Ion: 112 Resp: 738438

Ion Ratio Lower Upper

112 100

64 59.5 39.7 59.5

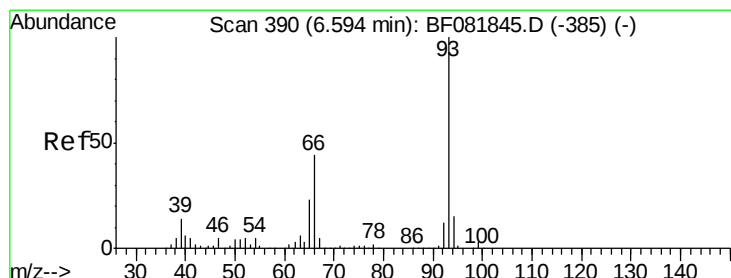
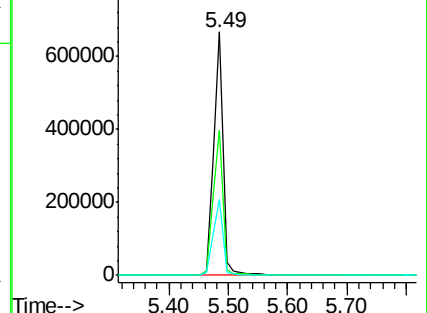
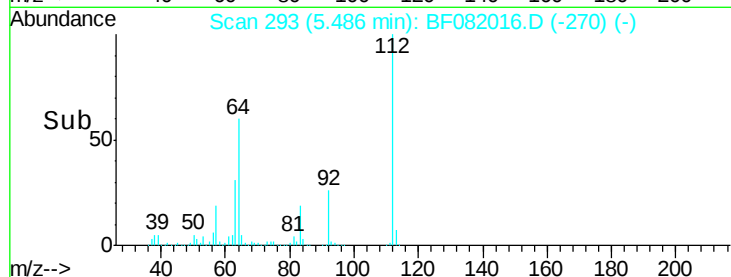
63 31.3 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 32.22 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

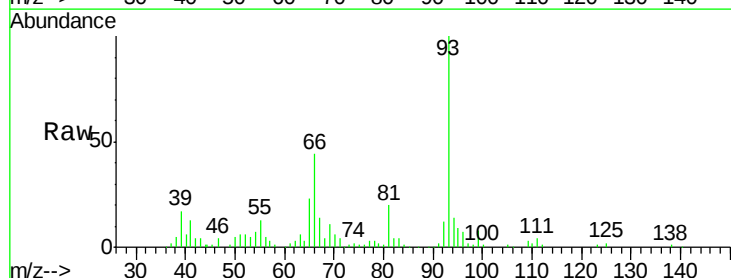
Tgt Ion: 93 Resp: 263033

Ion Ratio Lower Upper

93 100

66 43.7 27.2 40.8#

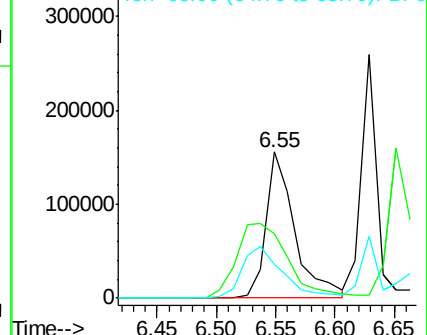
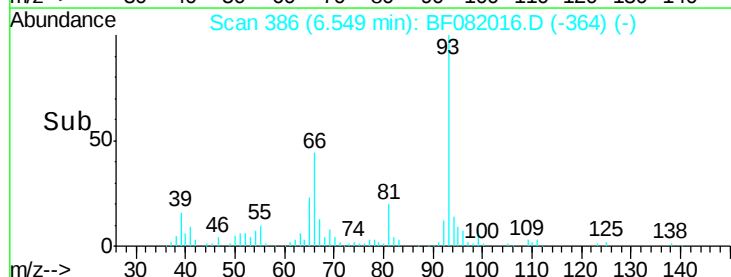
65 22.8 14.7 22.1#

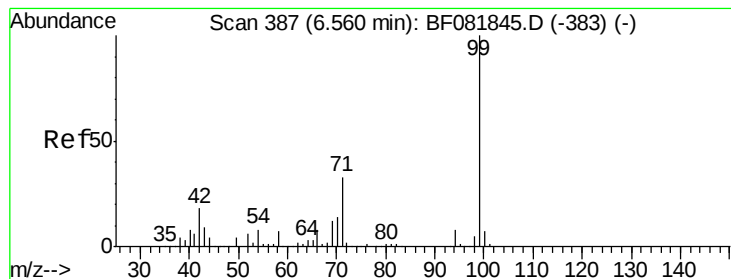


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 160.92 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

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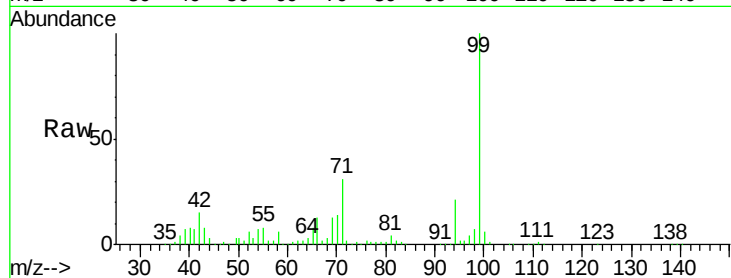
Tgt Ion: 99 Resp: 977803

Ion Ratio Lower Upper

99 100

42 14.7 13.7 20.5

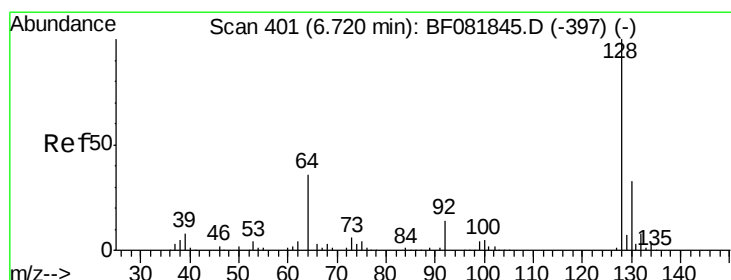
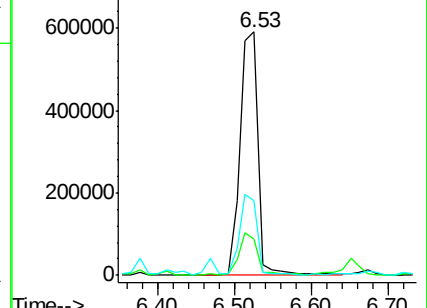
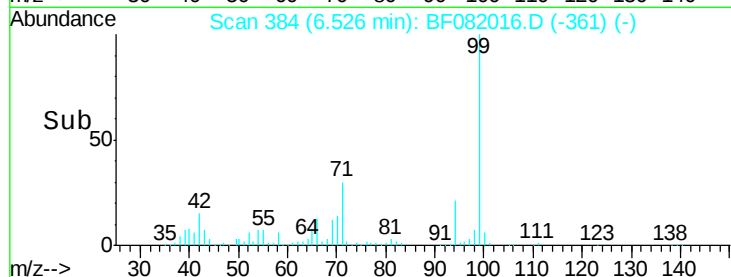
71 30.5 14.2 21.2#



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: 45.65 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

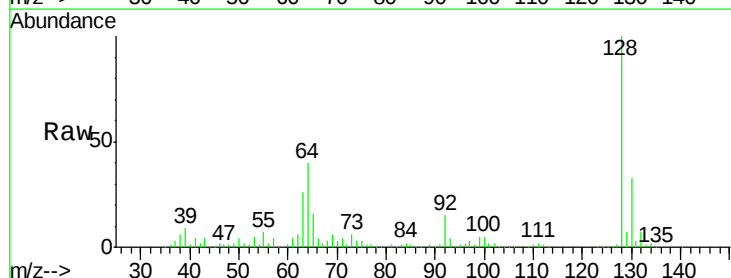
Tgt Ion:128 Resp: 243449

Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

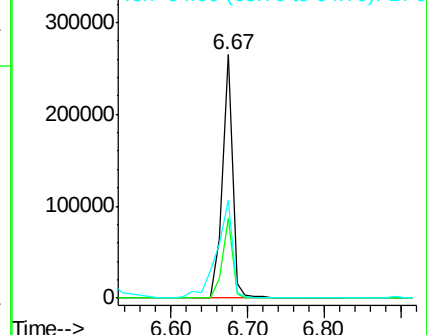
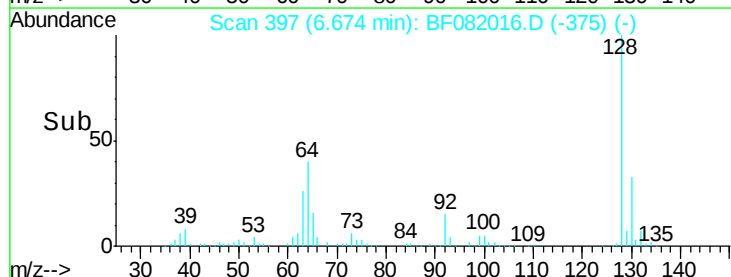
64 39.9 20.5 60.5

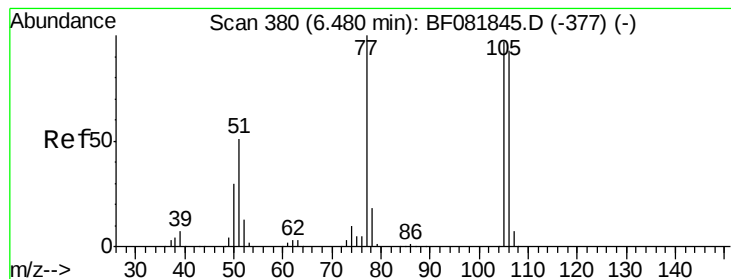


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.40 ng

RT: 6.43 min Scan# 376

Delta R.T. -0.05 min

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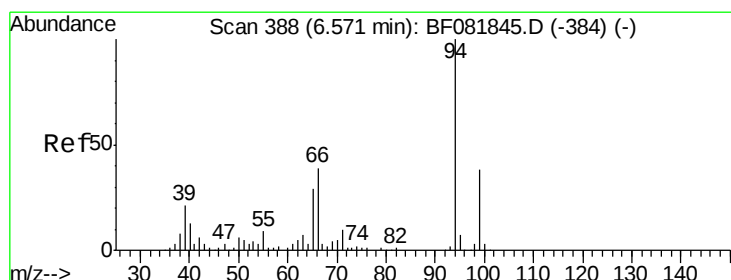
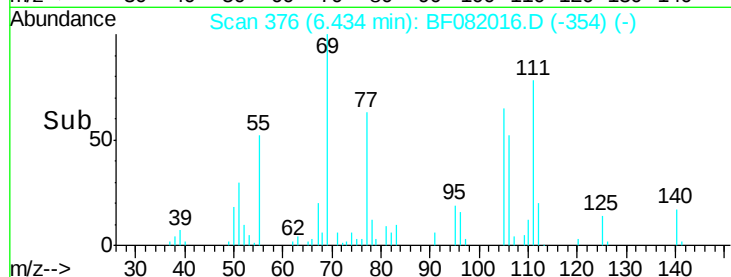
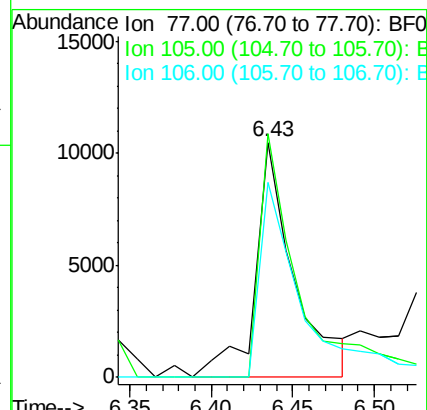
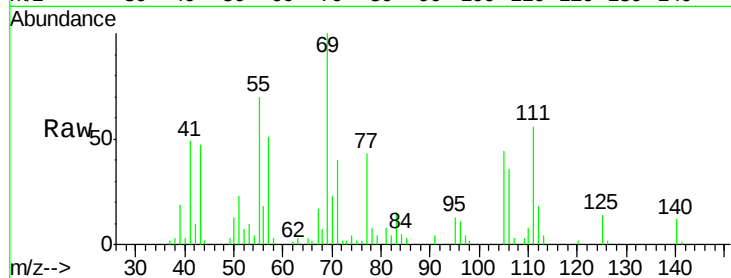
Tgt Ion: 77 Resp: 17496

Ion Ratio Lower Upper

77 100

105 103.7 91.6 131.6

106 82.9 102.6 142.6#



#10

Phenol

Concen: 40.79 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

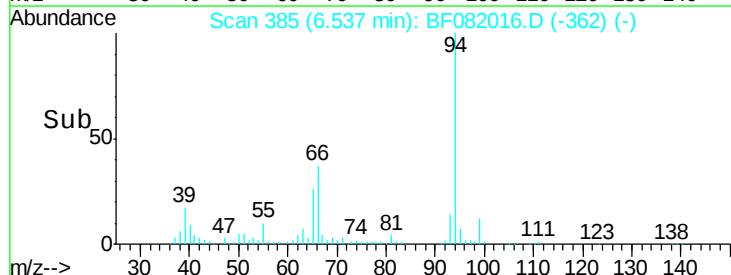
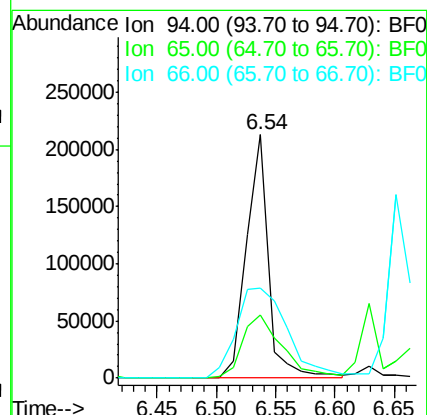
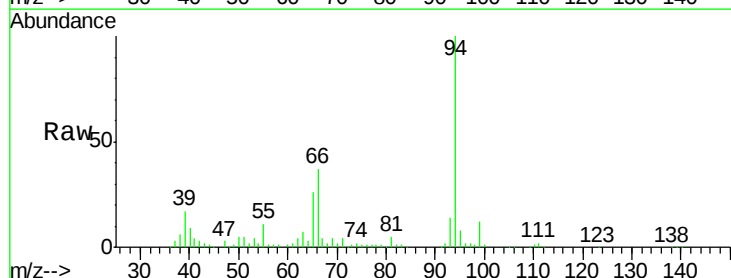
Tgt Ion: 94 Resp: 278000

Ion Ratio Lower Upper

94 100

65 25.9 0.7 40.7

66 37.2 0.8 40.8

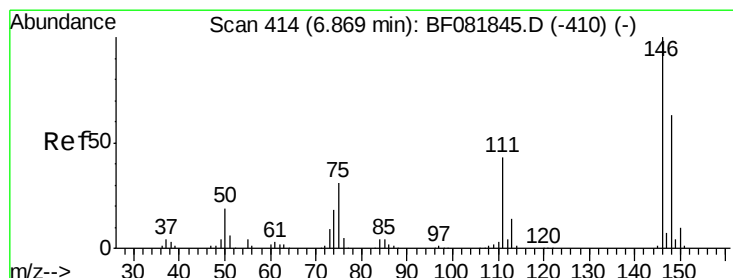
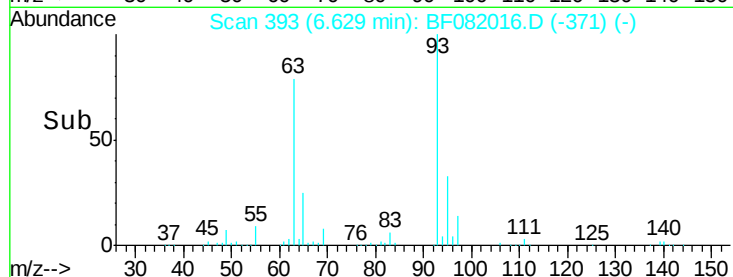
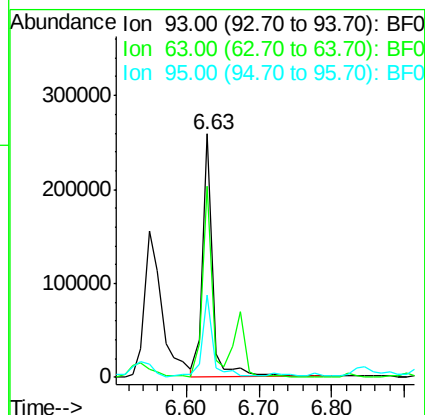
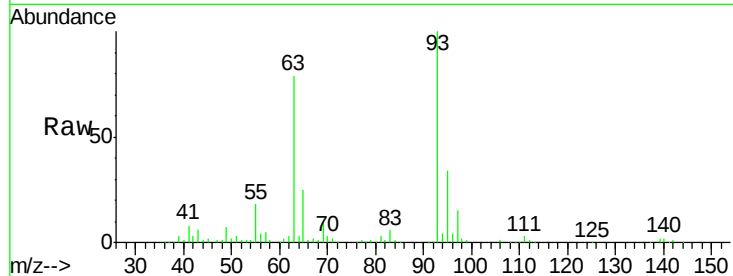




#11
bis(2-Chloroethyl)ether
Concen: 46.86 ng
RT: 6.63 min Scan# 393
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

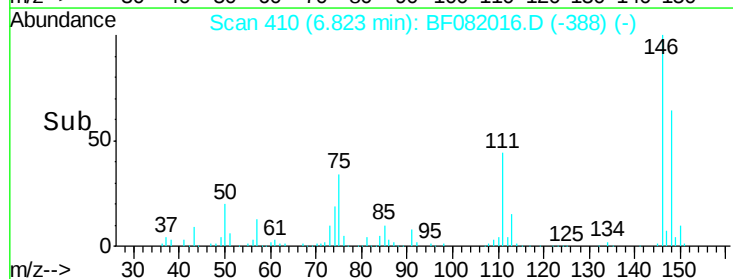
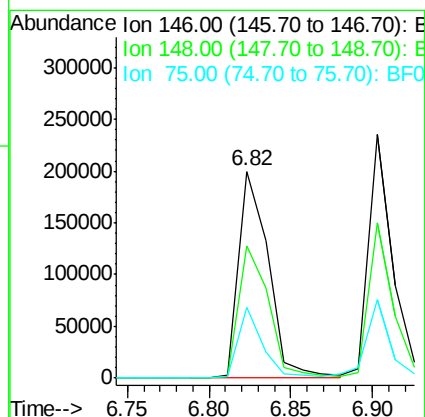
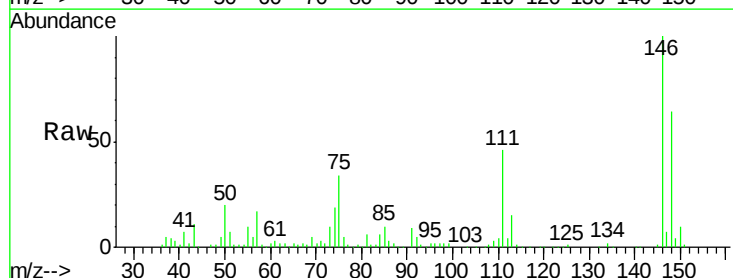
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

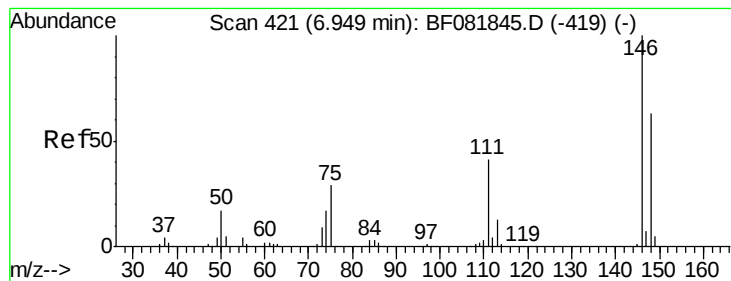
Tgt Ion: 93 Resp: 247705
Ion Ratio Lower Upper
93 100
63 78.7 65.6 105.6
95 33.9 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 39.76 ng
RT: 6.82 min Scan# 410
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion: 146 Resp: 250421
Ion Ratio Lower Upper
146 100
148 63.9 51.0 76.4
75 34.0 15.0 22.6#





#13

1,4-Dichlorobenzene

Concen: 39.02 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

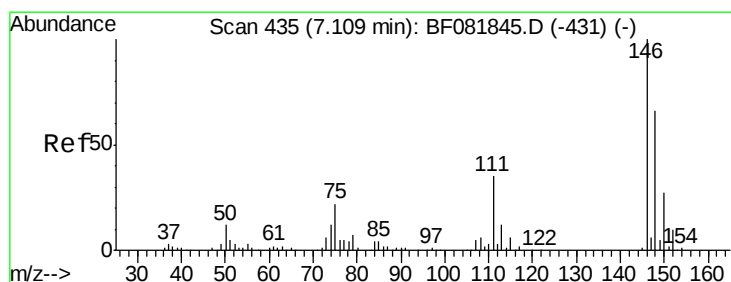
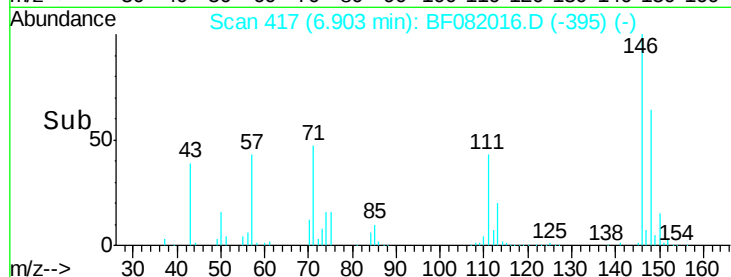
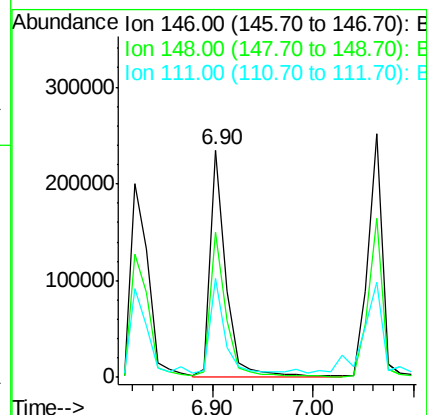
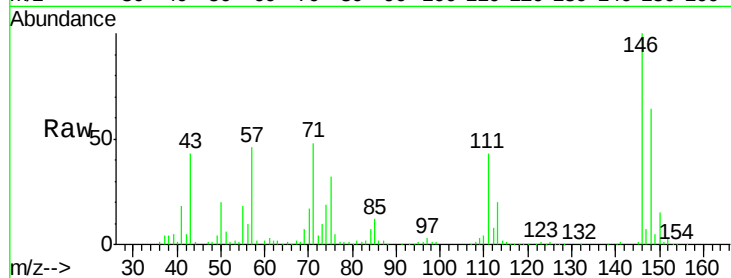
Tgt Ion:146 Resp: 256658

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 43.2 24.9 37.3#



#14

1,2-Dichlorobenzene

Concen: 43.36 ng

RT: 7.06 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

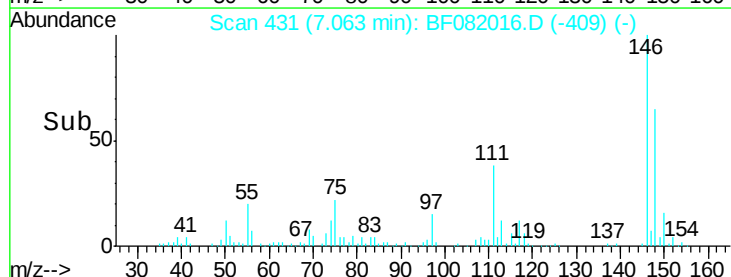
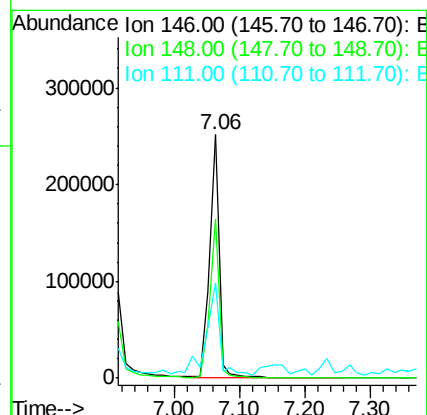
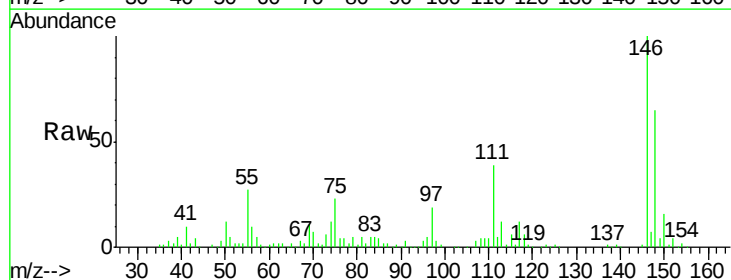
Tgt Ion:146 Resp: 254100

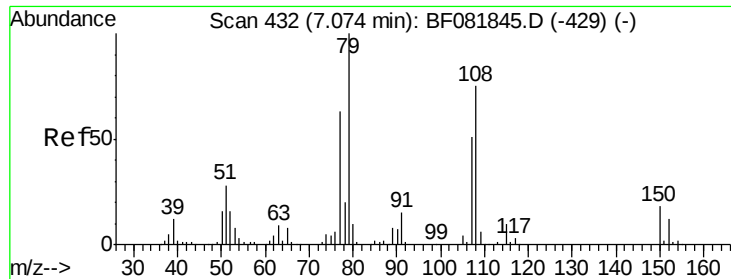
Ion Ratio Lower Upper

146 100

148 65.4 52.7 79.1

111 39.0 28.8 43.2





#15

Benzyl Alcohol

Concen: 39.54 ng

RT: 7.03 min Scan# 428

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

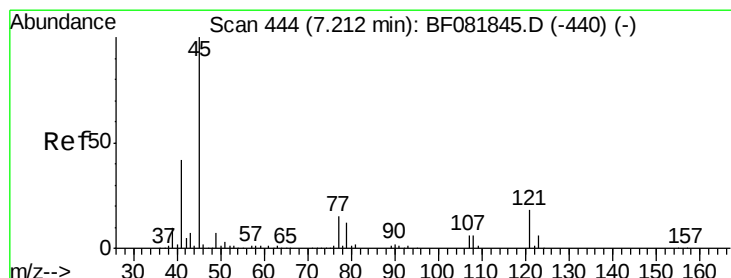
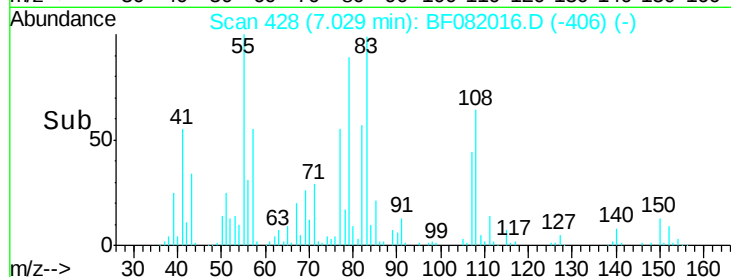
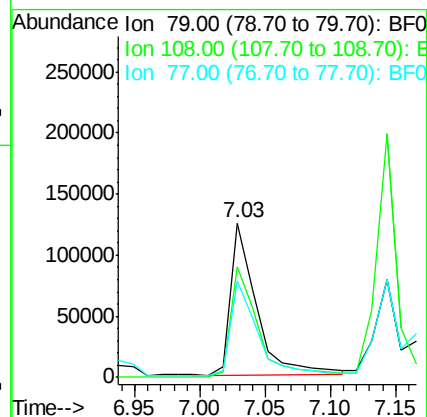
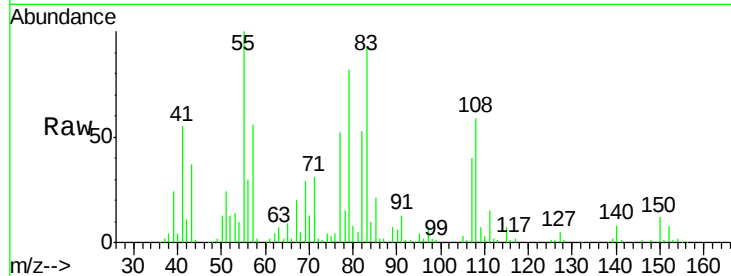
Tgt Ion: 79 Resp: 173425

Ion Ratio Lower Upper

79 100

108 71.9 88.6 132.8#

77 62.7 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.62 ng

RT: 7.17 min Scan# 440

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

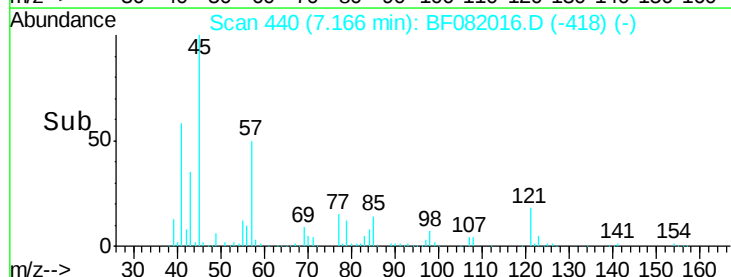
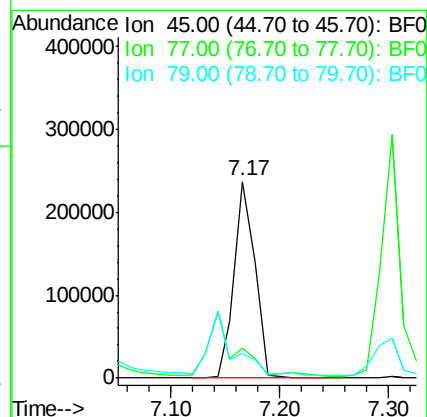
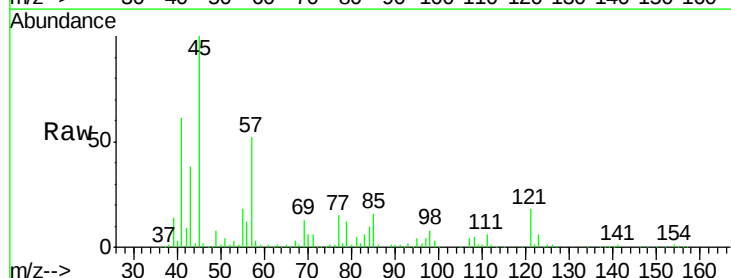
Tgt Ion: 45 Resp: 311040

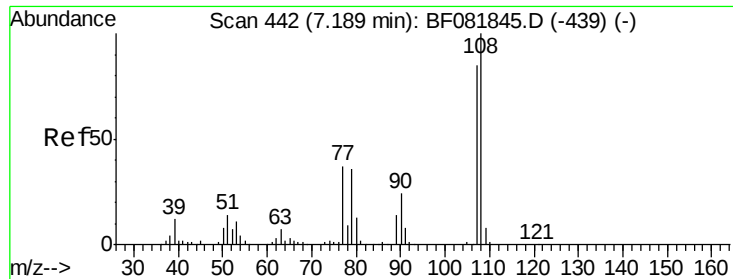
Ion Ratio Lower Upper

45 100

77 15.3 0.0 28.1

79 12.3 0.0 26.0

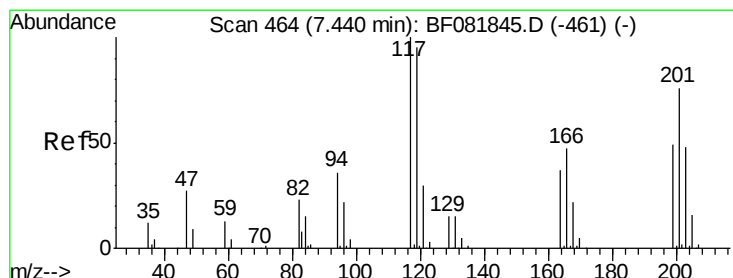
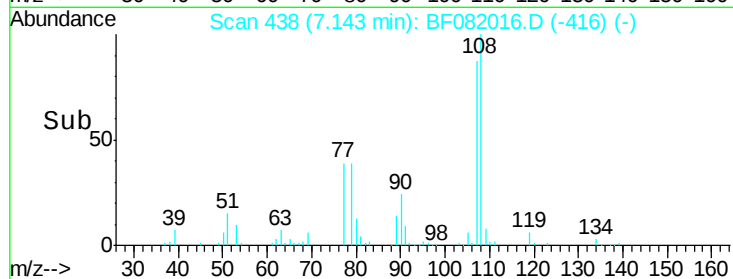
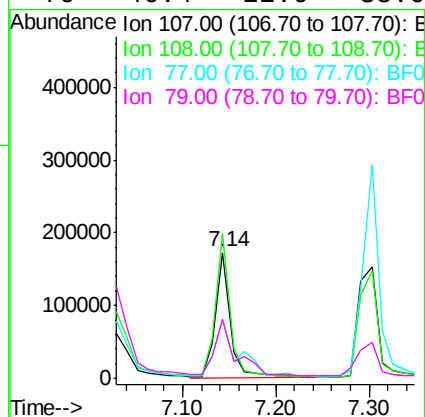
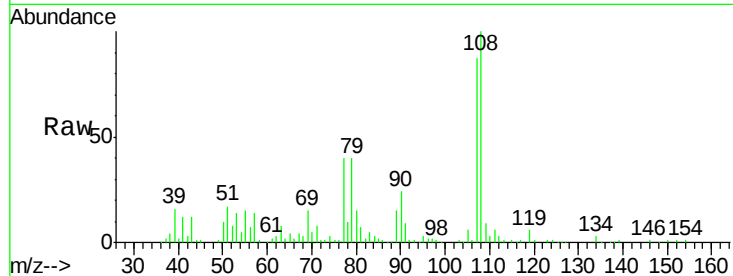




#17
2-Methylphenol
Concen: 44.11 ng
RT: 7.14 min Scan# 438
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

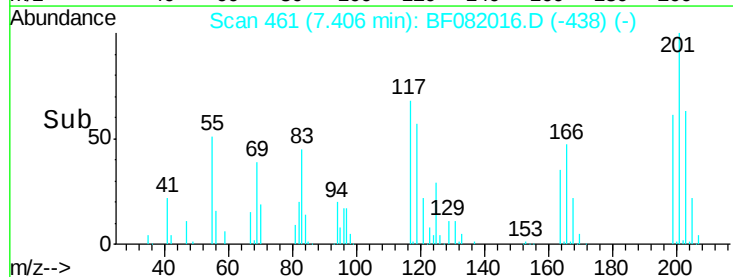
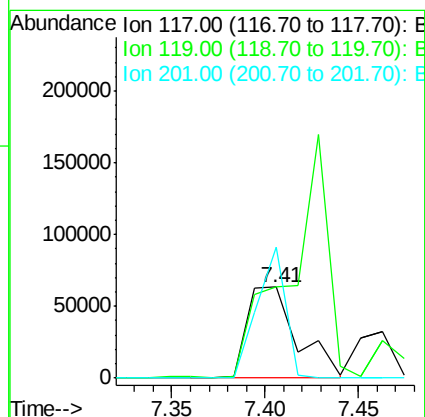
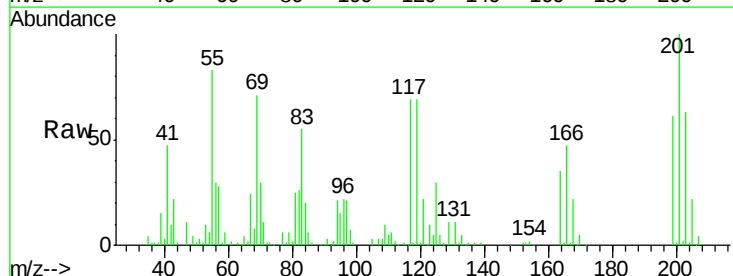
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

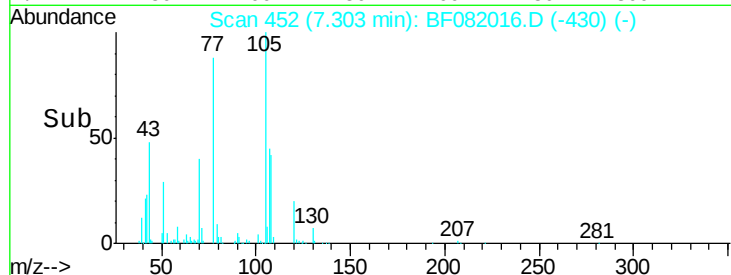
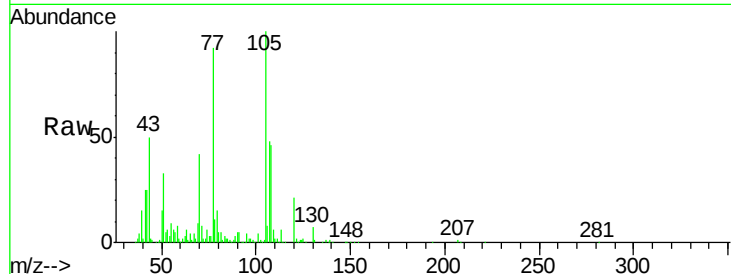
Tgt Ion:107 Resp: 190696
Ion Ratio Lower Upper
107 100
108 115.4 96.6 145.0
77 46.5 23.3 34.9#
79 46.4 22.0 33.0#



#18
Hexachloroethane
Concen: 57.95 ng
RT: 7.41 min Scan# 461
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:117 Resp: 119312
Ion Ratio Lower Upper
117 100
119 100.3 83.8 125.6
201 144.4 55.1 82.7#

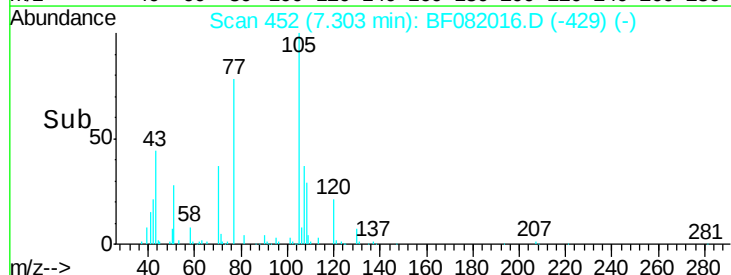
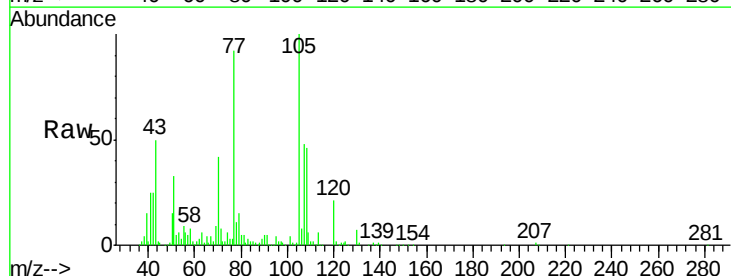
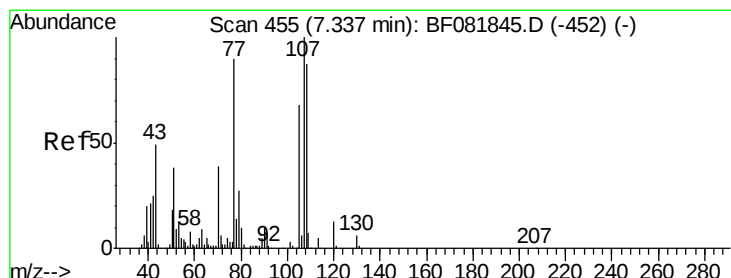
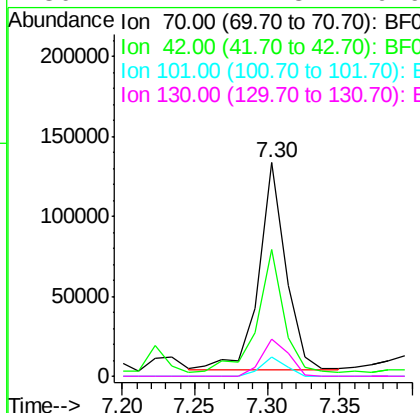




#19
n-Nitroso-di-n-propylamine
Concen: 45.56 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

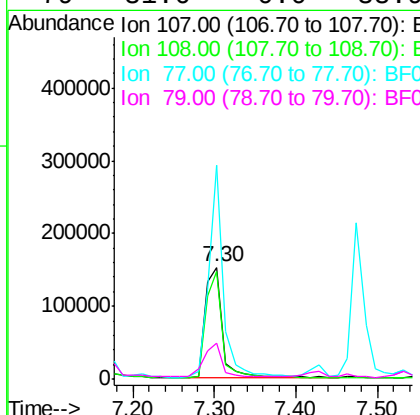
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

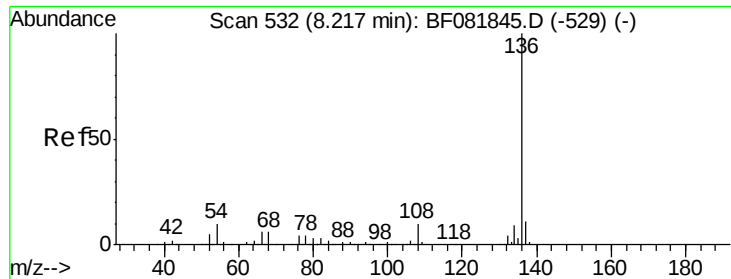
Tgt Ion:	70	Resp:	168236
Ion	Ratio	Lower	Upper
70	100		
42	59.2	63.8	95.6#
101	8.8	9.2	13.8#
130	17.4	27.3	40.9#



#20
3+4-Methylphenols
Concen: 42.56 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:	107	Resp:	232418
Ion	Ratio	Lower	Upper
107	100		
108	96.0	74.6	114.6
77	191.2	0.7	40.7#
79	31.6	0.0	38.9

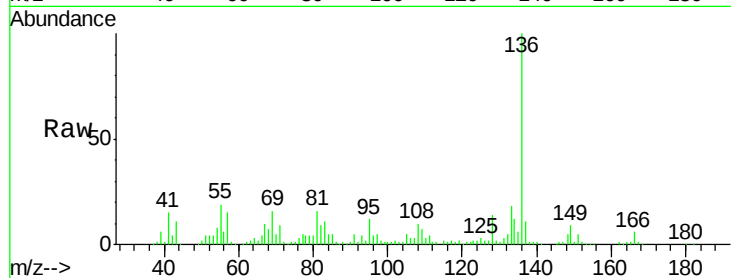




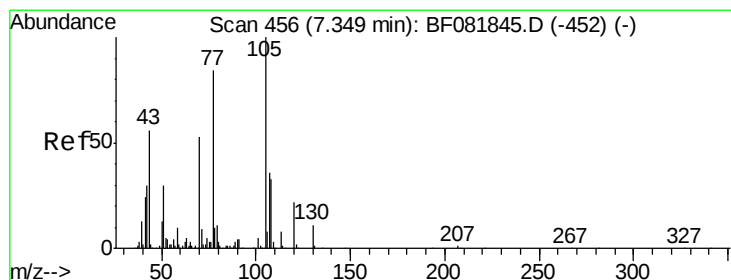
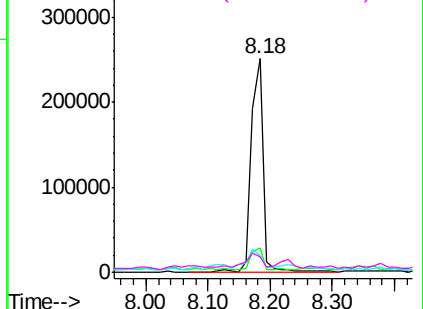
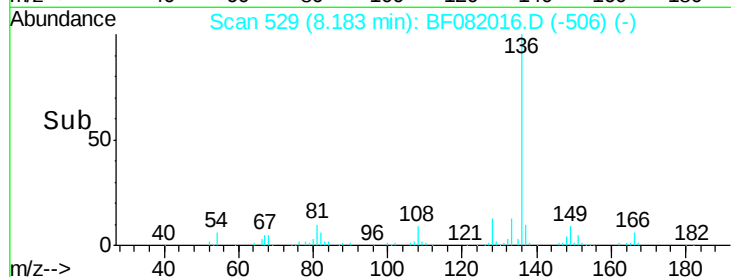
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tgt Ion:	136	Resp:	333162
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.1	8.2	12.2#
68	7.2	5.8	8.6

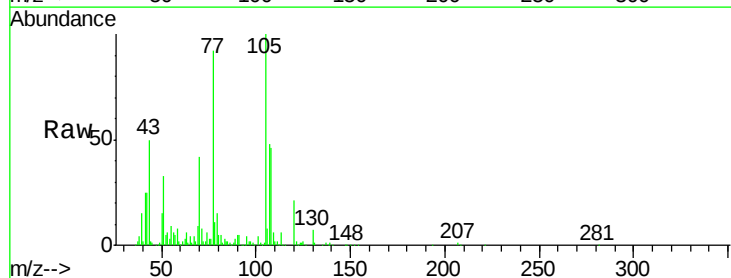


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

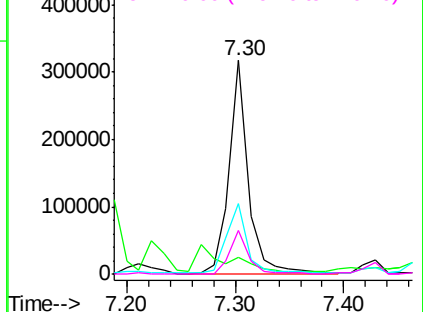
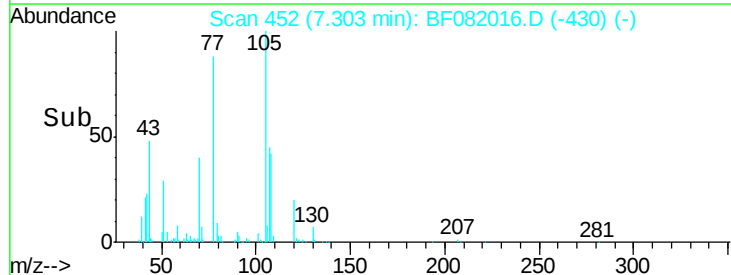


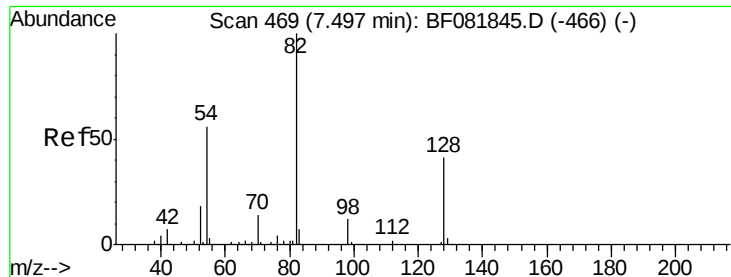
#22
Acetophenone
Concen: 56.78 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:	105	Resp:	386790
Ion	Ratio	Lower	Upper
105	100		
71	7.7	4.7	7.1#
51	33.3	22.0	33.0#
120	20.7	30.1	45.1#



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

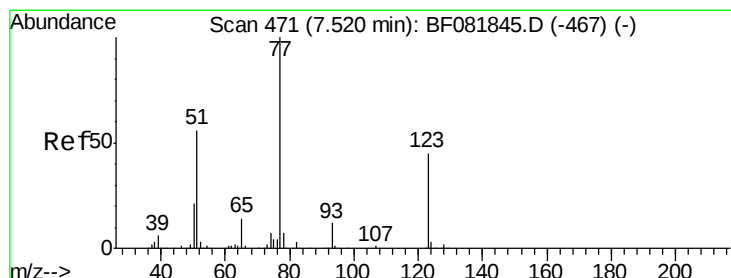
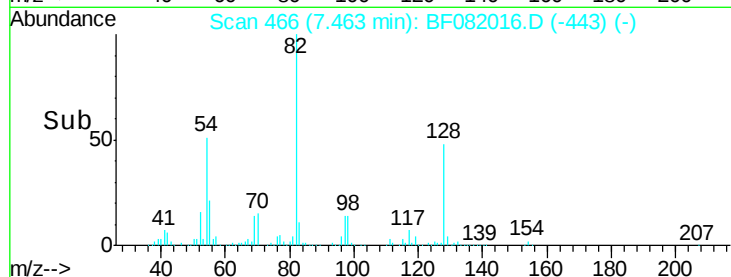
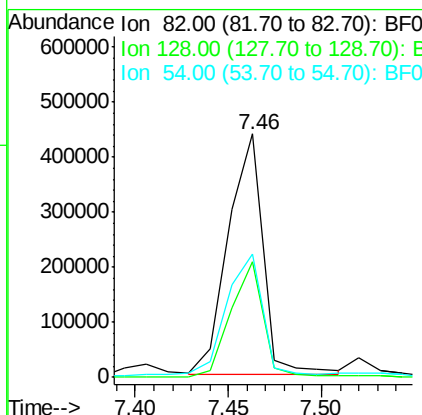
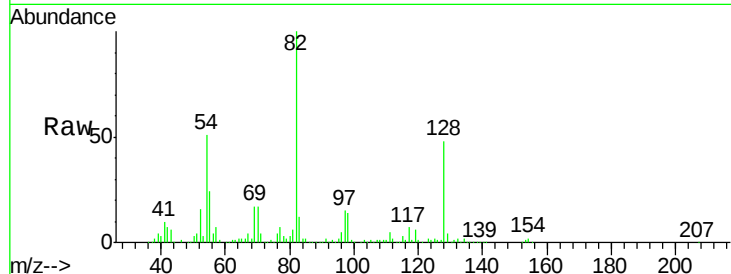




#23
 Nitrobenzene-d5
 Concen: 115.91 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

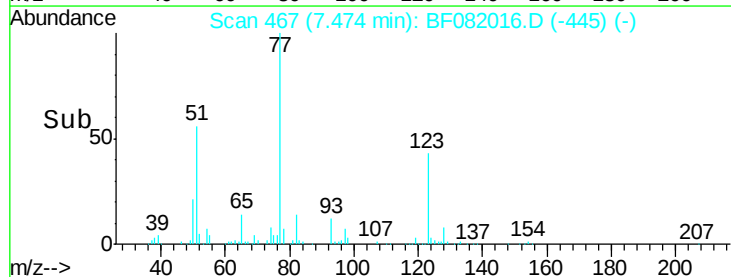
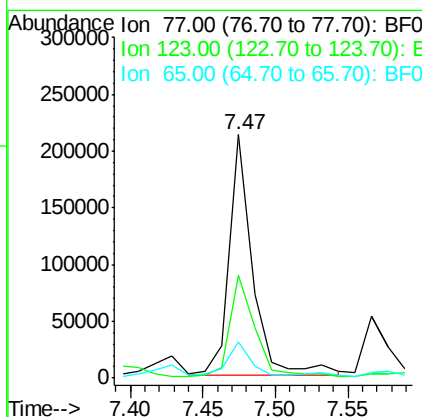
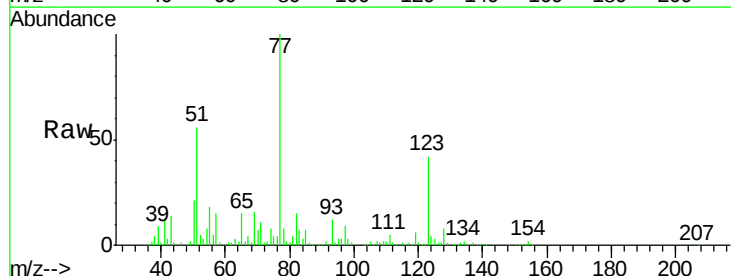
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

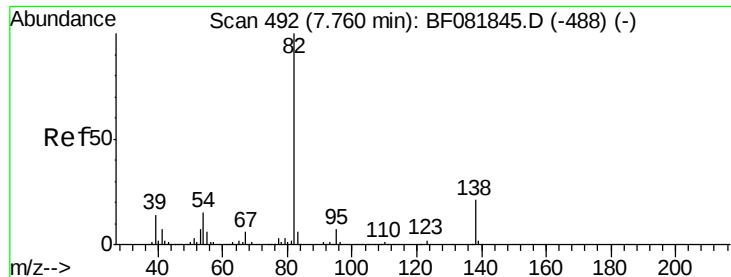
Tgt Ion: 82 Resp: 579333
 Ion Ratio Lower Upper
 82 100
 128 47.6 51.0 76.6#
 54 50.5 47.5 71.3



#24
 Nitrobenzene
 Concen: 43.61 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion: 77 Resp: 236689
 Ion Ratio Lower Upper
 77 100
 123 42.0 59.8 89.8#
 65 14.6 10.2 15.4





#25

Isophorone

Concen: 49.72 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

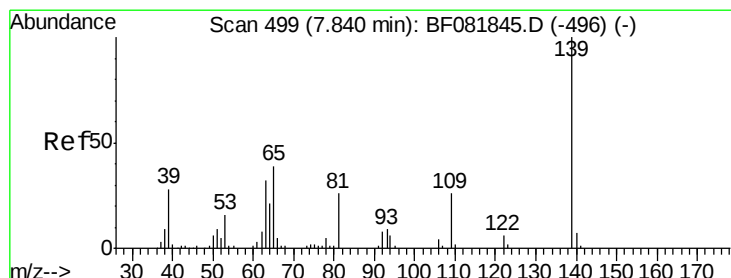
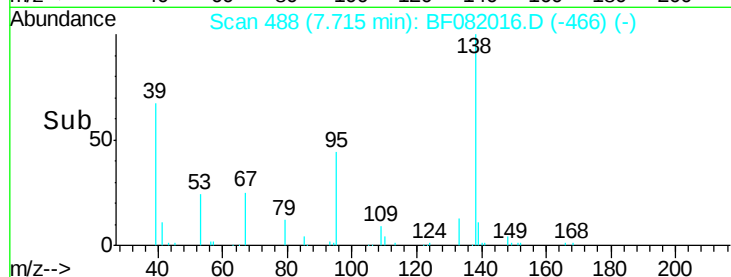
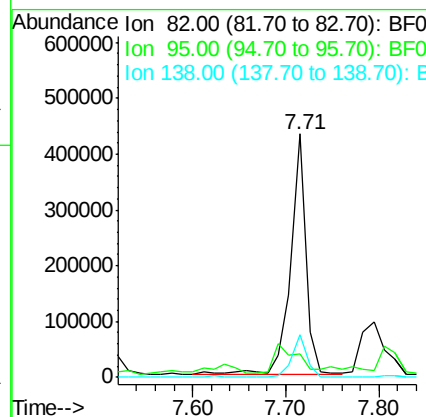
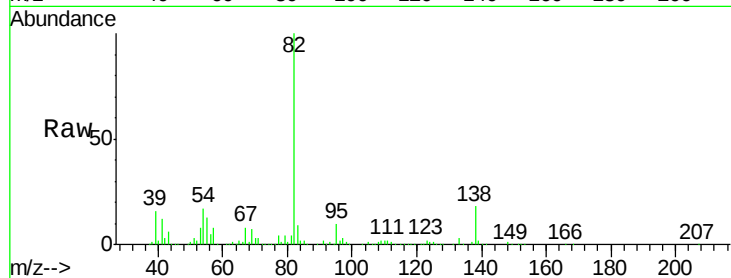
Tgt Ion: 82 Resp: 492551

Ion Ratio Lower Upper

82 100

95 9.7 4.0 6.0#

138 17.6 18.3 27.5#



#26

2-Nitrophenol

Concen: 49.76 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

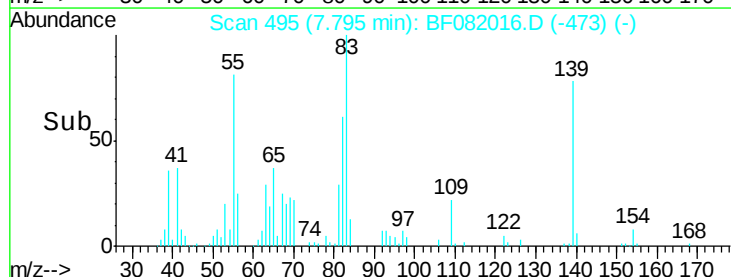
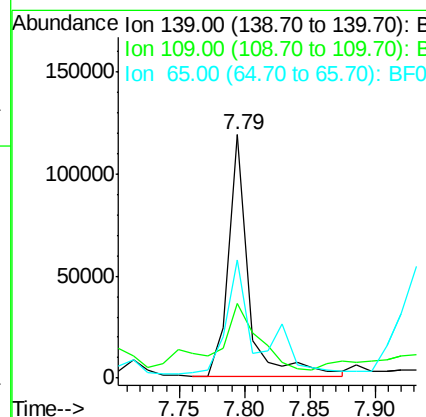
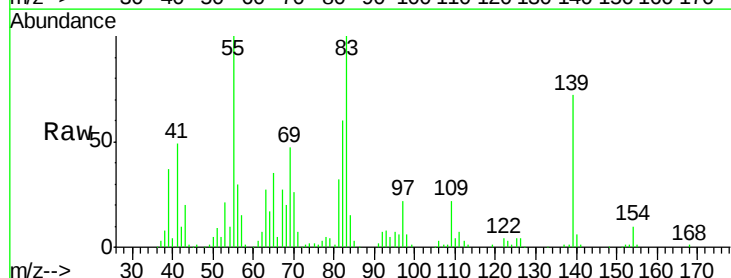
Tgt Ion: 139 Resp: 129637

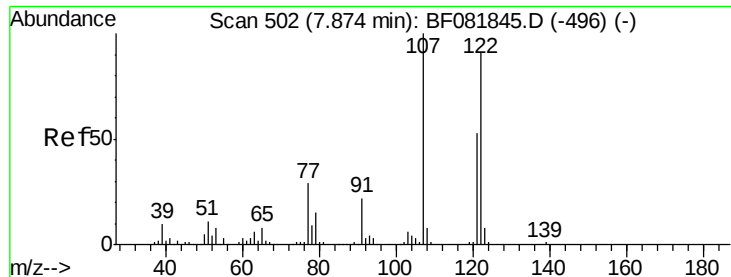
Ion Ratio Lower Upper

139 100

109 30.4 11.0 16.4#

65 48.4 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 47.30 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

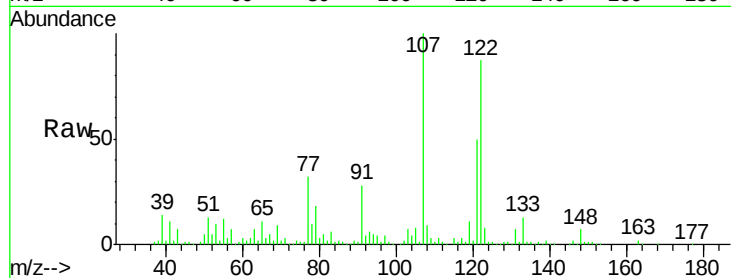
Tgt Ion:122 Resp: 216754

Ion Ratio Lower Upper

122 100

107 115.4 71.8 107.6#

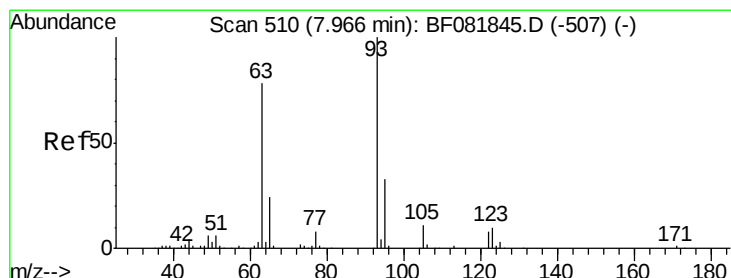
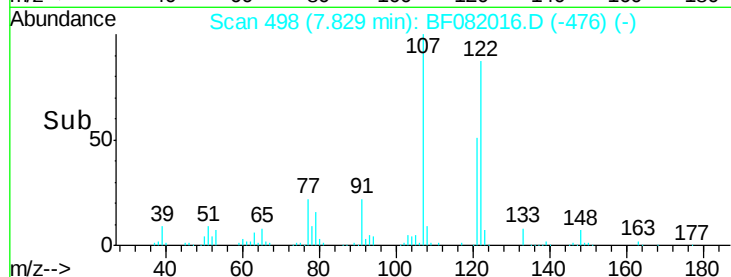
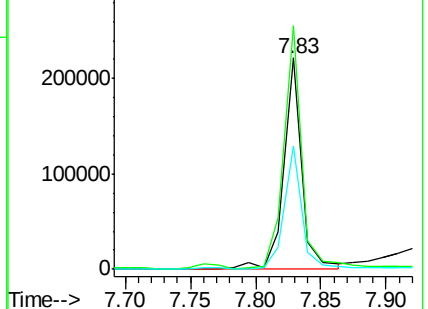
121 58.2 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.25 ng

RT: 7.93 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

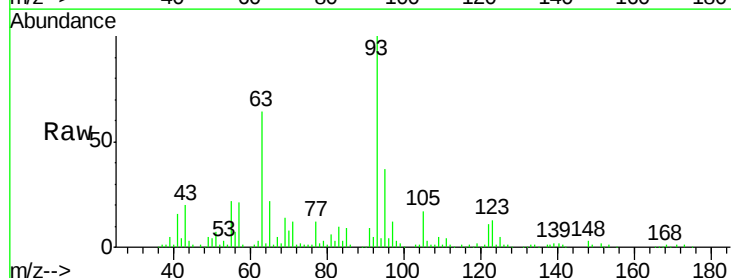
Tgt Ion: 93 Resp: 277976

Ion Ratio Lower Upper

93 100

95 36.8 27.5 41.3

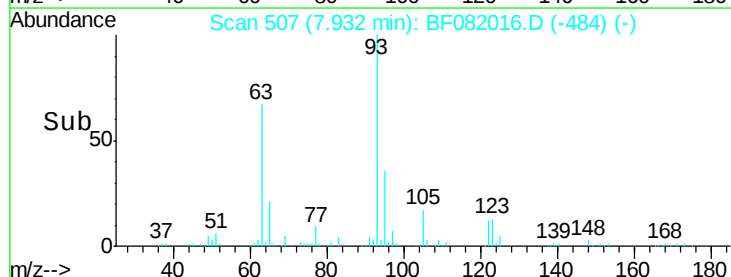
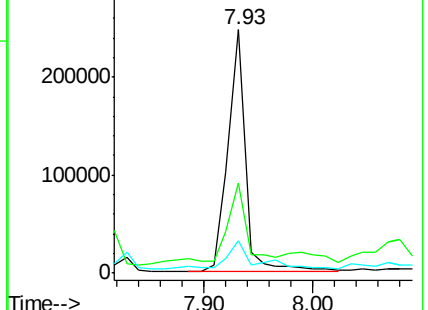
123 13.4 13.7 20.5#

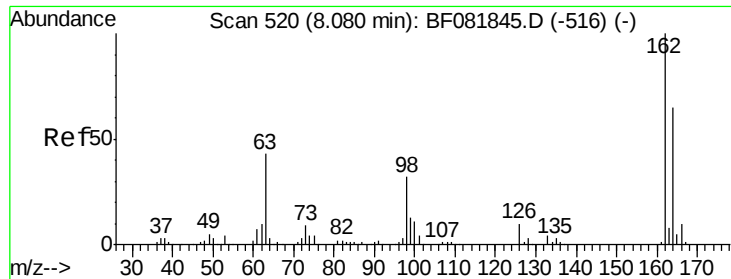


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

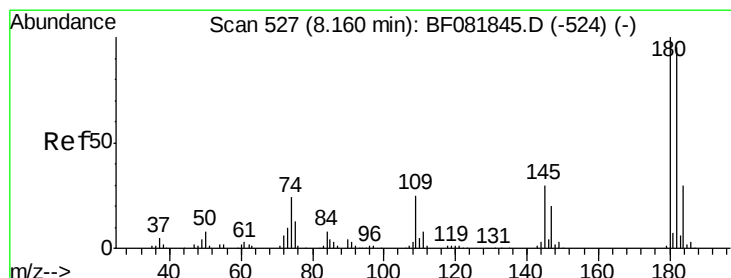
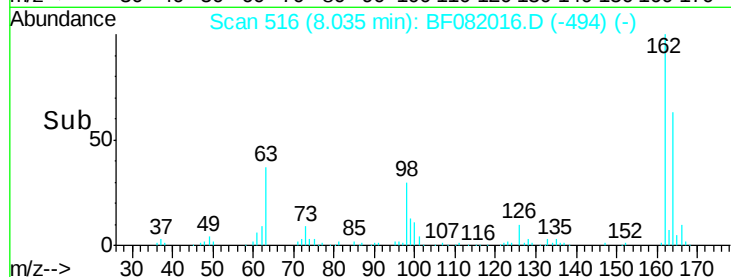
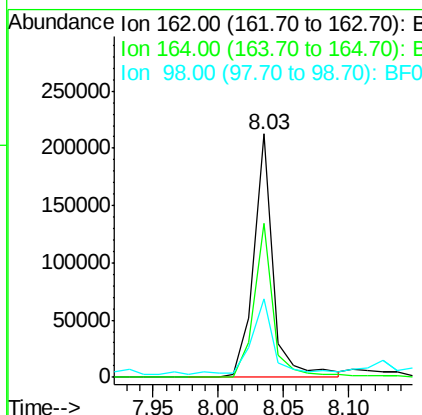
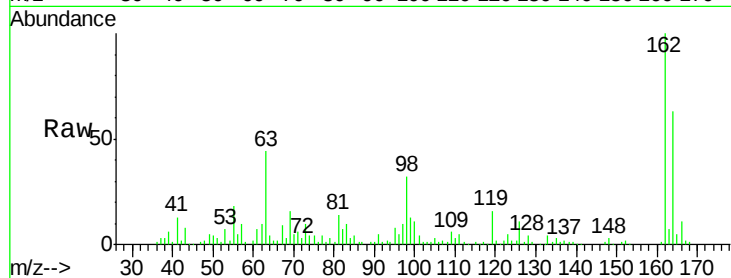




#29
 2,4-Dichlorophenol
 Concen: 50.40 ng
 RT: 8.03 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

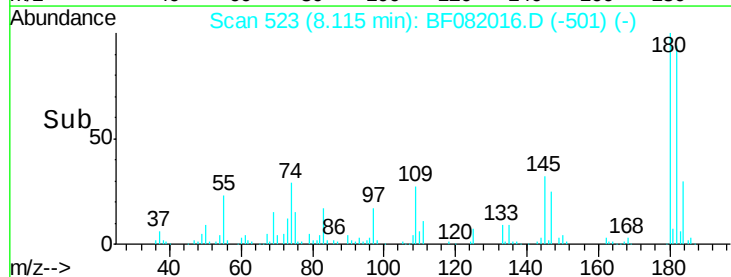
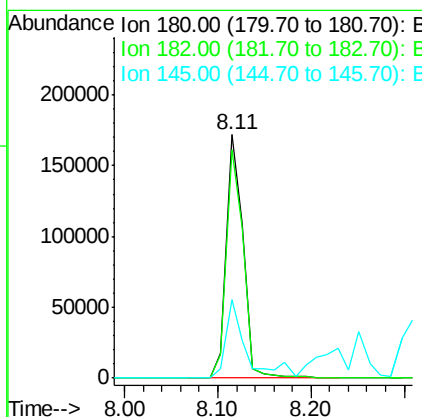
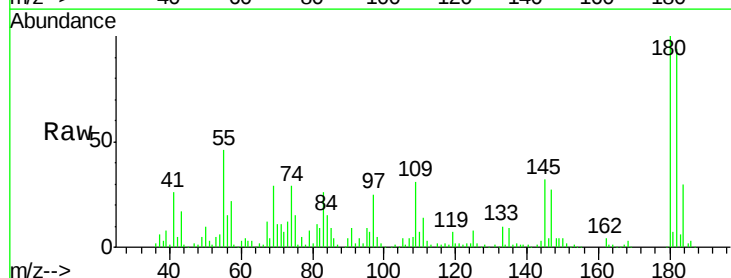
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

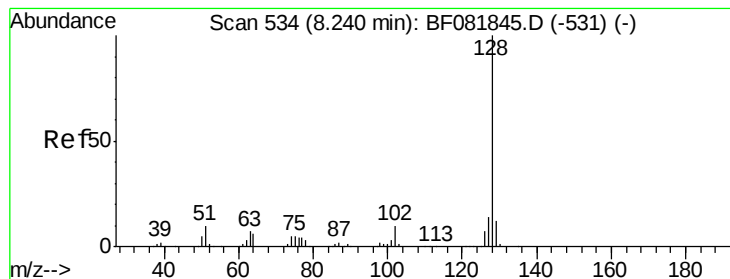
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.9	84.9
98	32.3	13.0	53.0



#30
 1,2,4-Trichlorobenzene
 Concen: 43.59 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.1	115.7
145	32.4	23.3	34.9





#31

Naphthalene

Concen: 45.76 ng

RT: 8.21 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

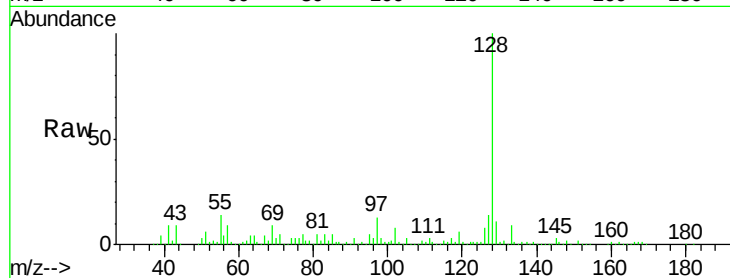
Tgt Ion:128 Resp: 675548

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

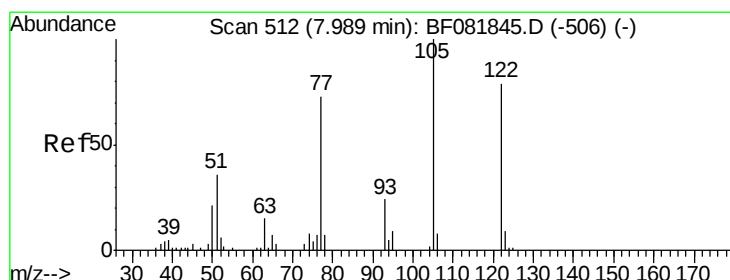
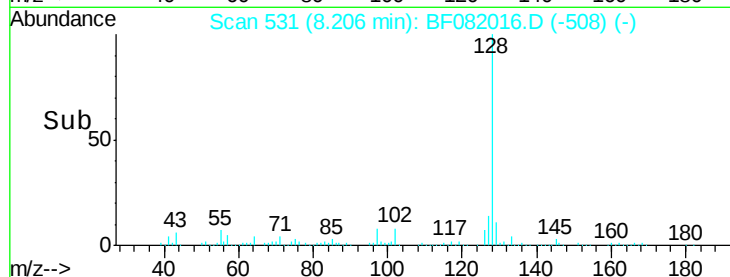
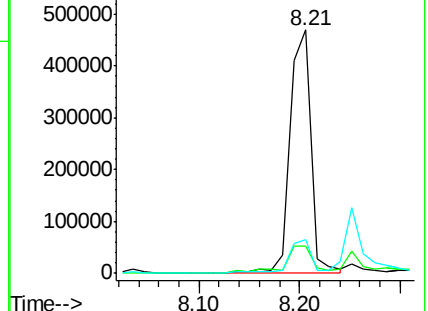
127 13.7 9.9 14.9



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: 53.94 ng

RT: 7.95 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

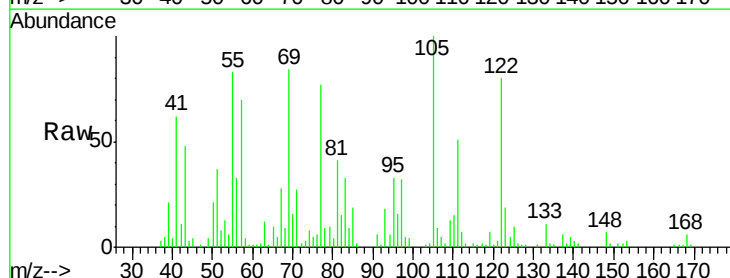
Tgt Ion:122 Resp: 150796

Ion Ratio Lower Upper

122 100

105 125.4 76.1 116.1#

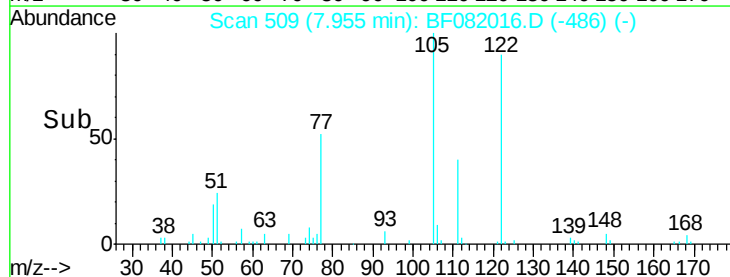
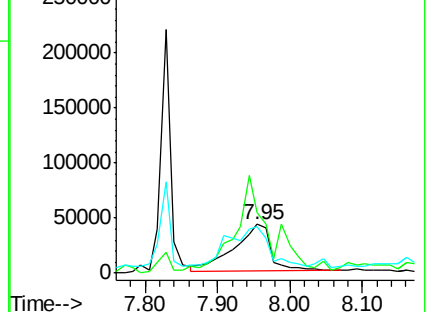
77 96.3 40.5 80.5#

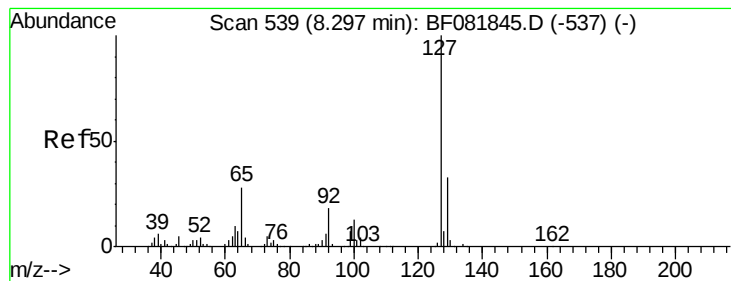


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 26.69 ng

RT: 8.25 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

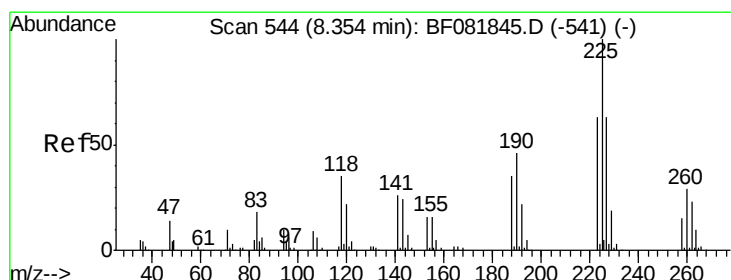
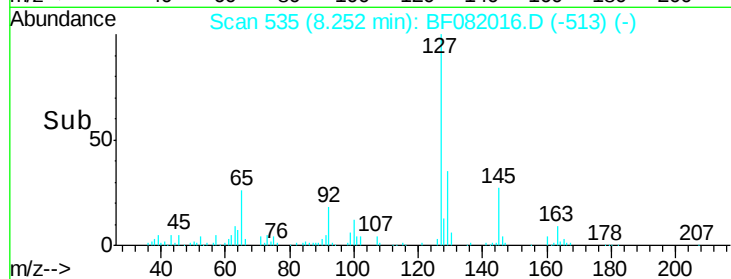
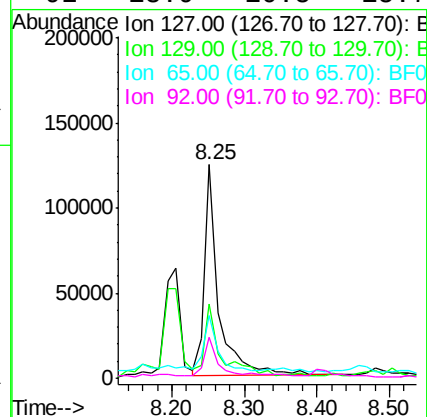
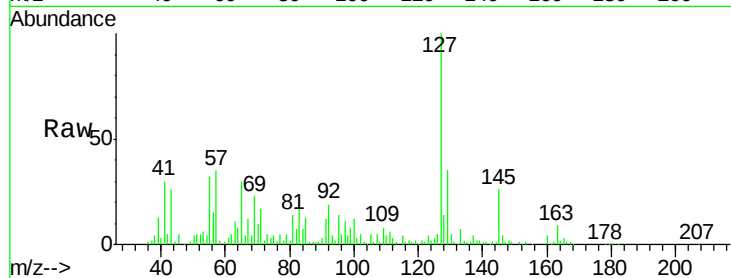
Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

Tgt Ion:	127	Resp:	170390
Ion	Ratio	Lower	Upper
127	100		
129	34.8	25.8	38.6
65	29.5	17.9	26.9#
92	18.9	10.5	15.7#



#34

Hexachlorobutadiene

Concen: 44.64 ng

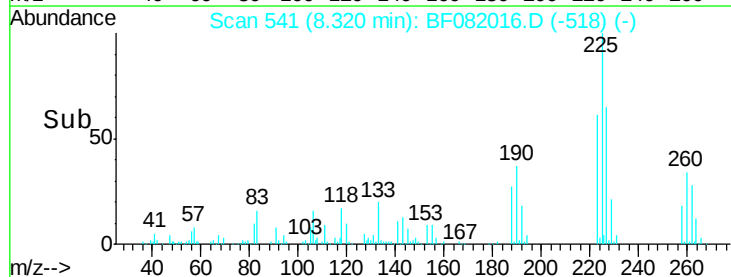
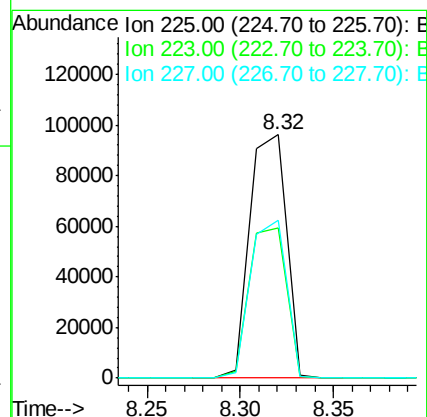
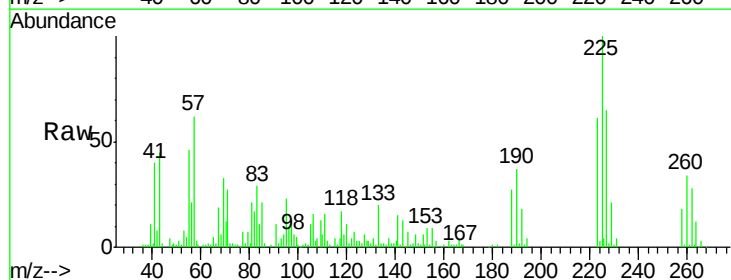
RT: 8.32 min Scan# 541

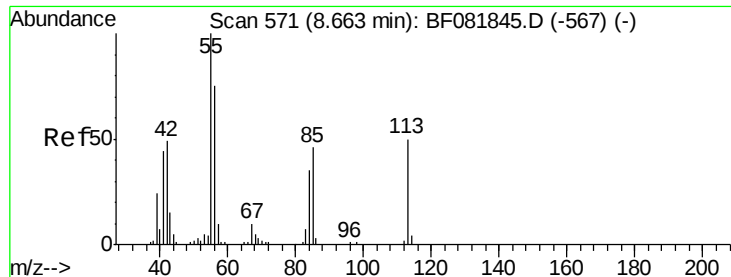
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	225	Resp:	130986
Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.2	75.2
227	65.1	52.2	78.2





#35

Caprolactam

Concen: 118.73 ng

RT: 8.59 min Scan# 565

Delta R.T. -0.07 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

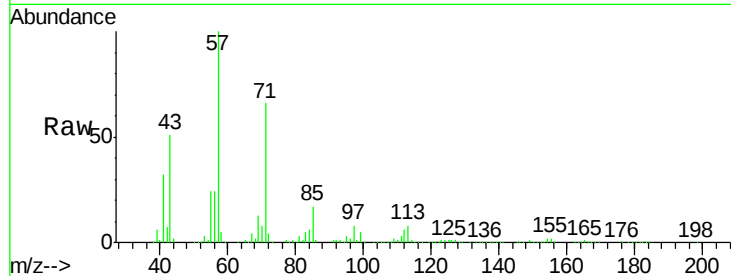
Tgt Ion:113 Resp: 146058

Ion Ratio Lower Upper

113 100

55 313.4 152.4 192.4#

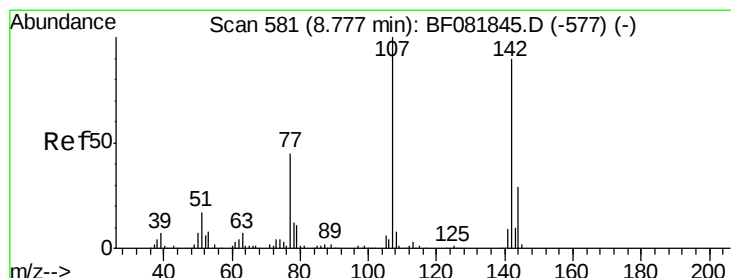
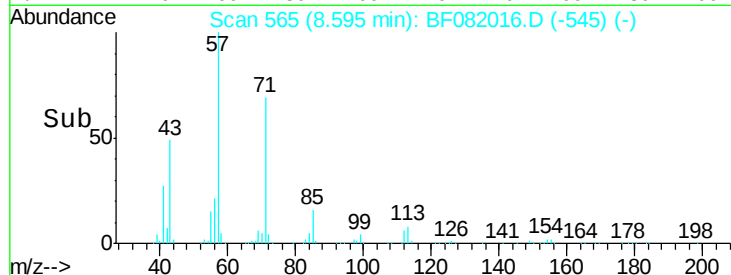
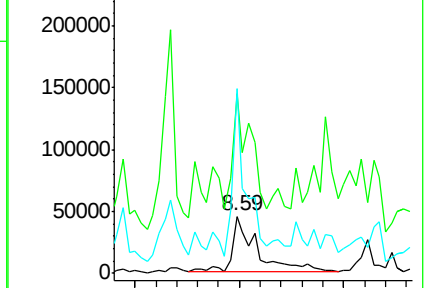
56 321.9 104.6 144.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 46.05 ng

RT: 8.73 min Scan# 577

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

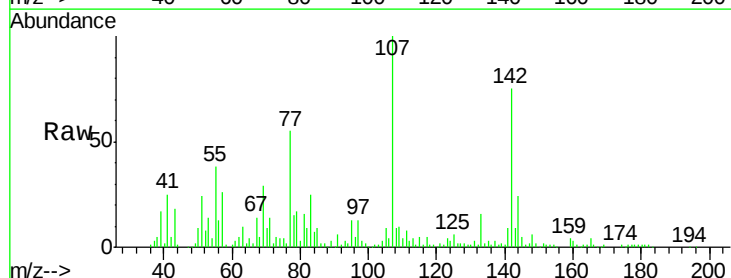
Tgt Ion:107 Resp: 200091

Ion Ratio Lower Upper

107 100

144 23.7 25.4 38.0#

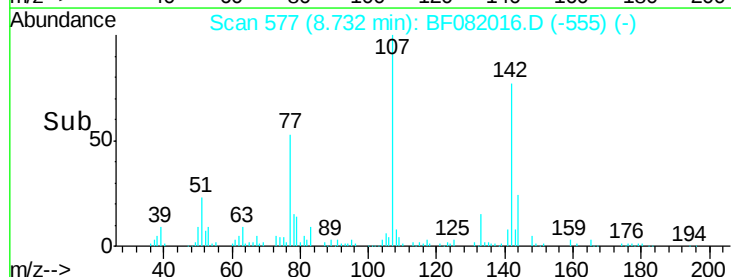
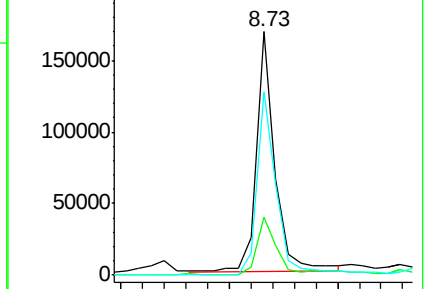
142 75.3 77.3 115.9#

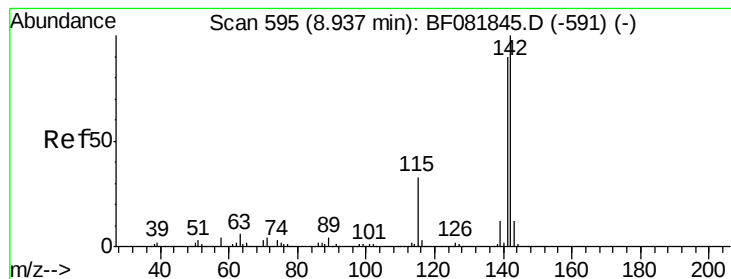


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

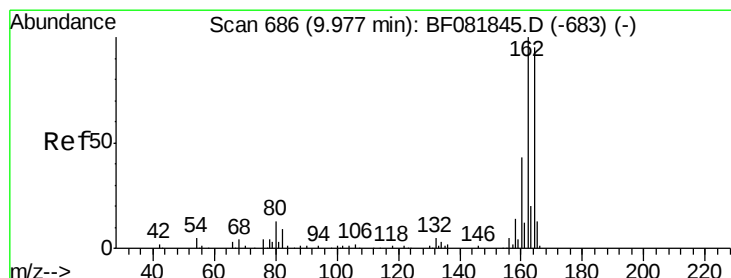
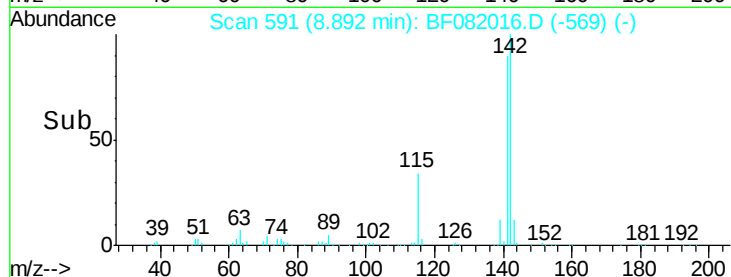
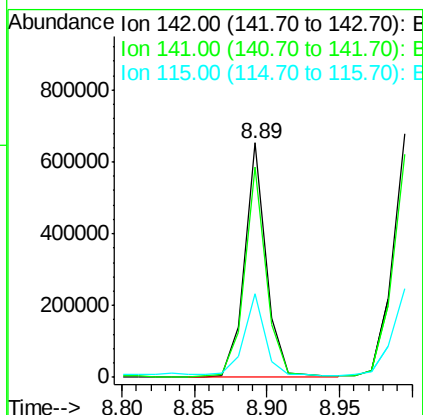
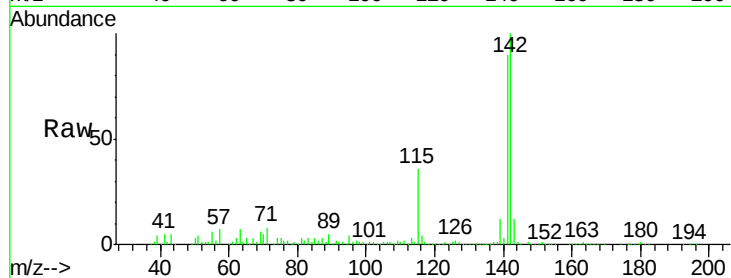




#37
 2-Methylnaphthalene
 Concen: 67.38 ng
 RT: 8.89 min Scan# 591
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

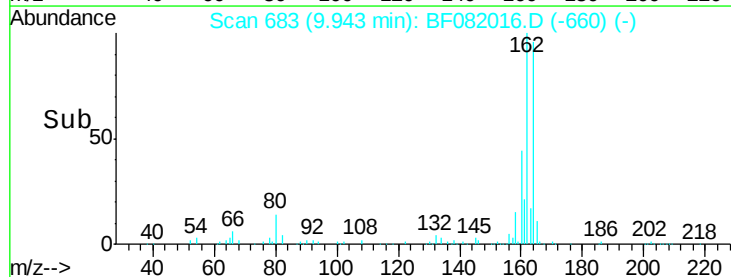
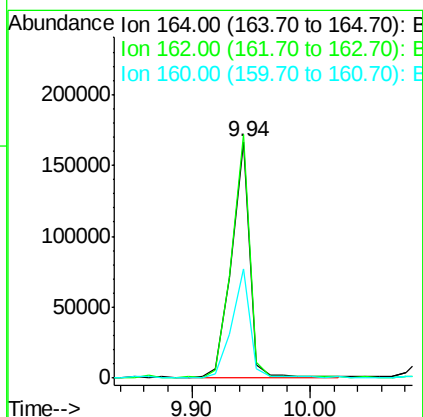
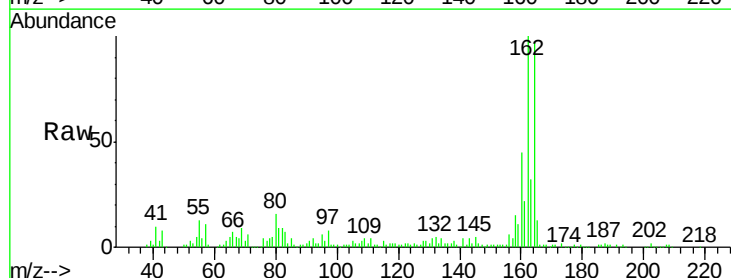
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

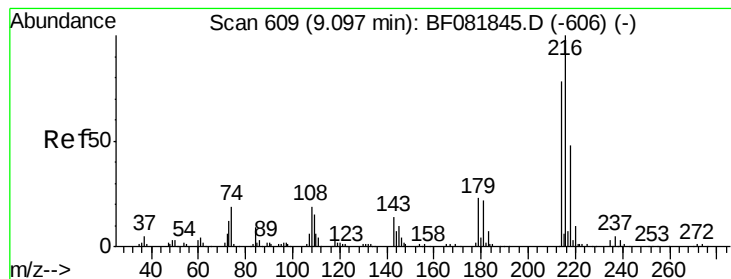
Tgt Ion:142 Resp: 679008
 Ion Ratio Lower Upper
 142 100
 141 90.0 67.5 101.3
 115 35.8 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion:164 Resp: 175809
 Ion Ratio Lower Upper
 164 100
 162 103.0 75.2 112.8
 160 46.4 31.5 47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 52.32 ng

RT: 9.06 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

Tgt Ion:216 Resp: 282367

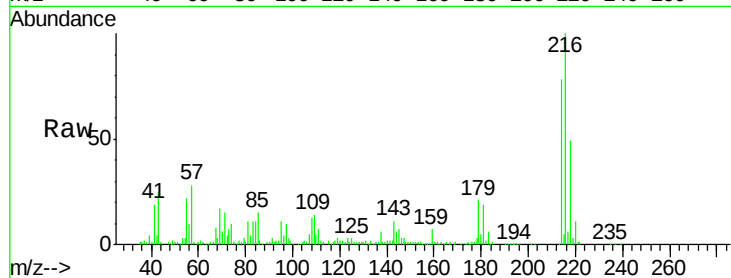
Ion Ratio Lower Upper

216 100

214 78.5 63.5 95.3

179 20.6 16.6 24.8

108 17.9 16.3 24.5

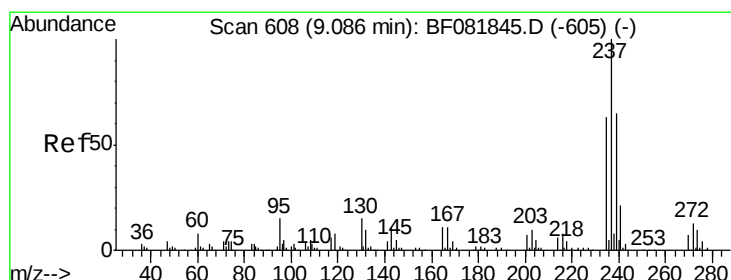
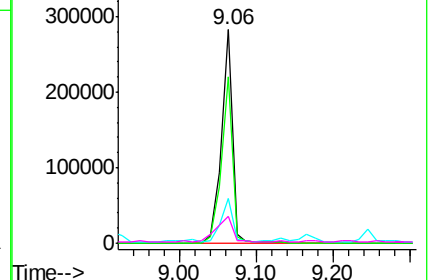
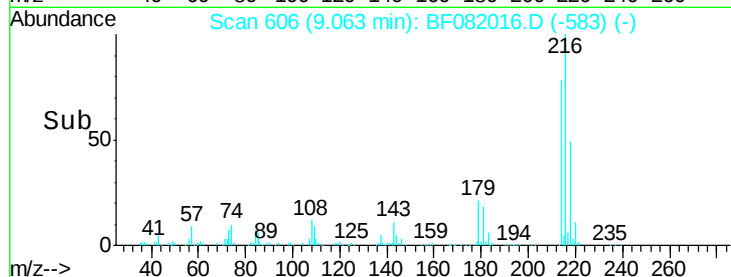


Abundance Ion 216.00 (215.70 to 216.70): E

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: 95.35 ng

RT: 9.04 min Scan# 604

Delta R.T. -0.04 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

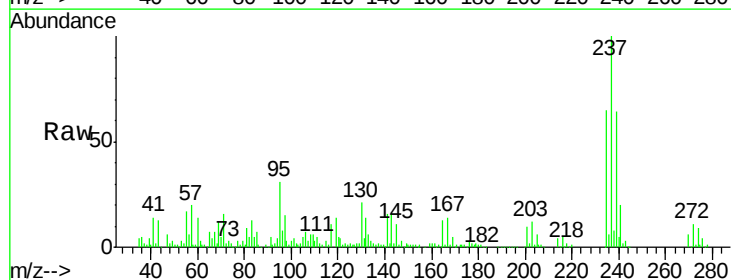
Tgt Ion:237 Resp: 265015

Ion Ratio Lower Upper

237 100

235 64.7 42.0 82.0

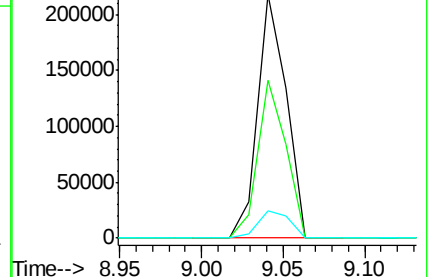
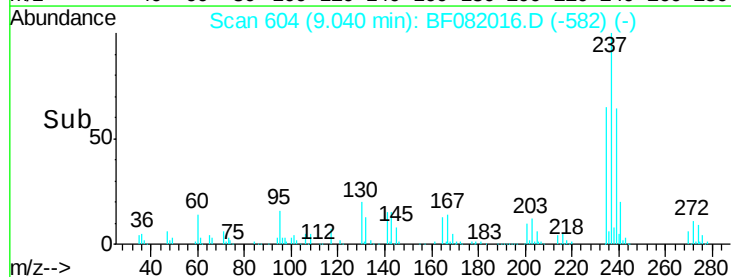
272 11.1 0.0 36.1

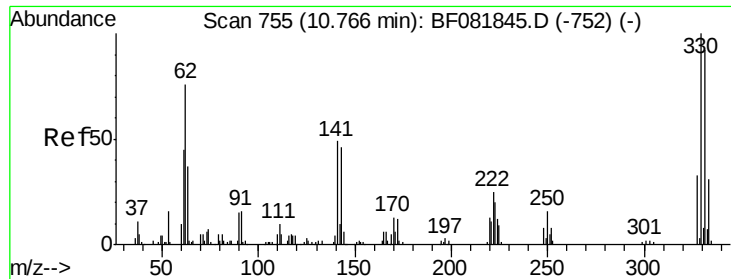


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

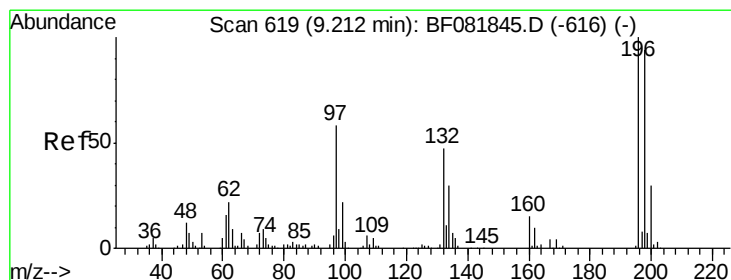
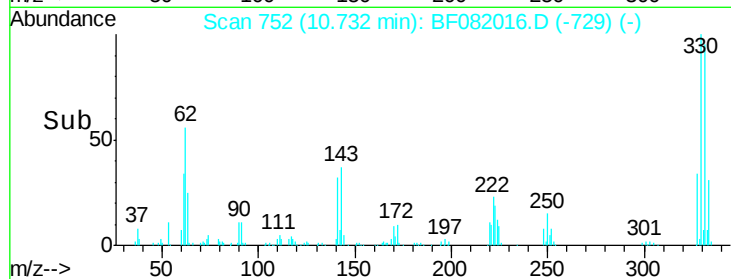
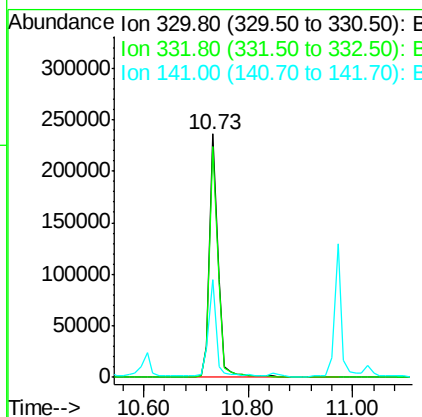
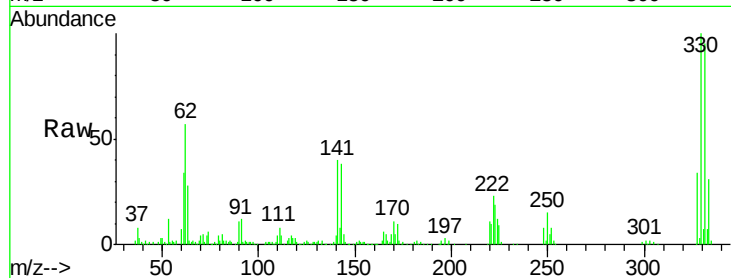




#41
 2,4,6-Tribromophenol
 Concen: 152.40 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

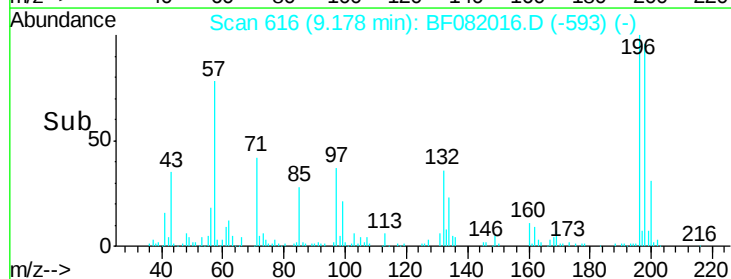
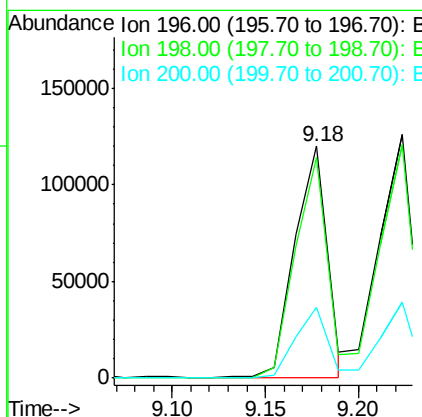
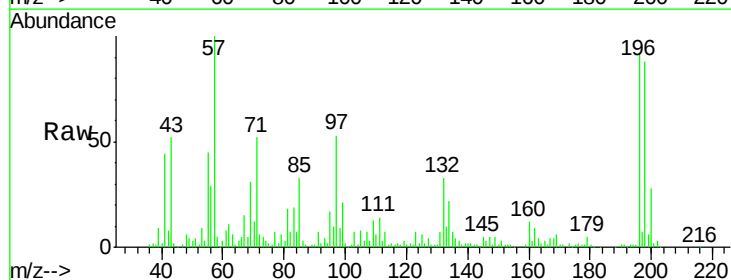
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

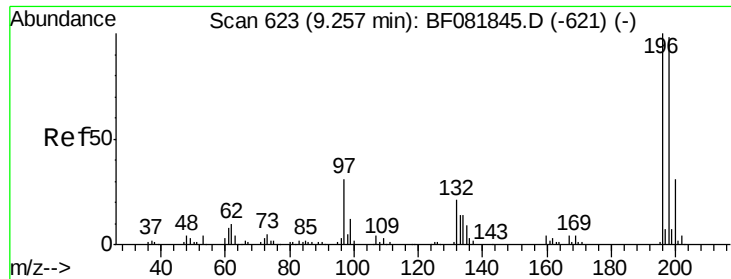
Tgt Ion:330 Resp: 271354
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 34.7 29.7 44.5



#42
 2,4,6-Trichlorophenol
 Concen: 39.69 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion:196 Resp: 146845
 Ion Ratio Lower Upper
 196 100
 198 95.2 75.7 113.5
 200 30.7 23.9 35.9

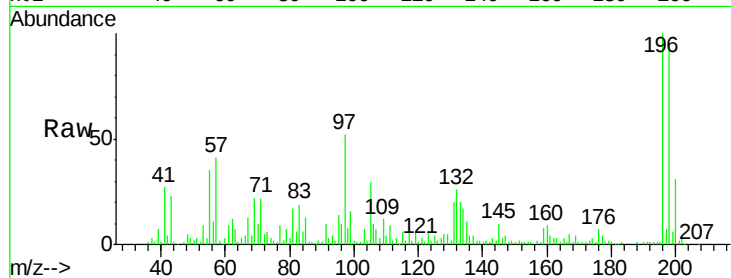




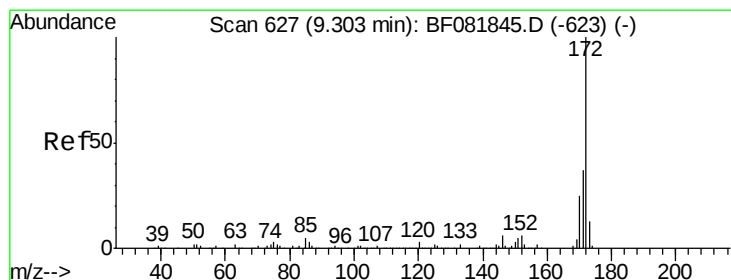
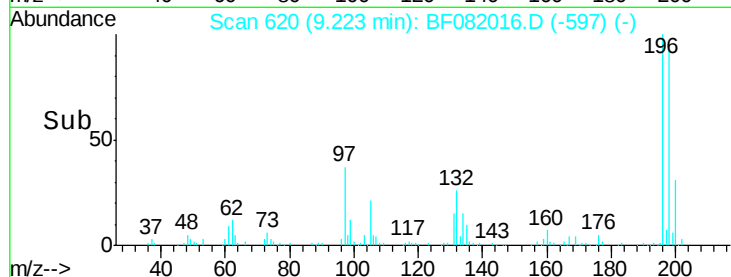
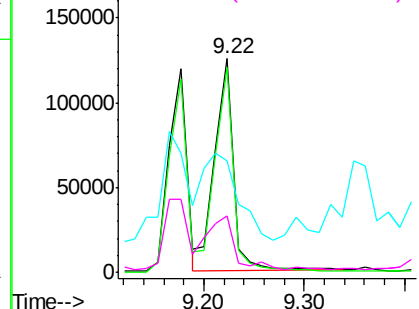
#43
 2,4,5-Trichlorophenol
 Concen: 42.64 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tgt Ion:	196	Resp:	162265
Ion Ratio	Lower	Upper	
196	100		
198	95.8	75.4	113.0
97	52.0	33.3	49.9#
132	26.5	24.6	37.0

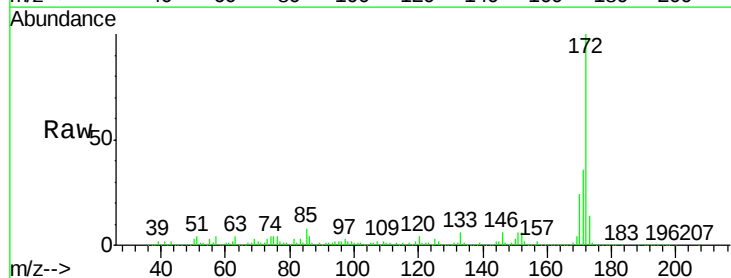


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

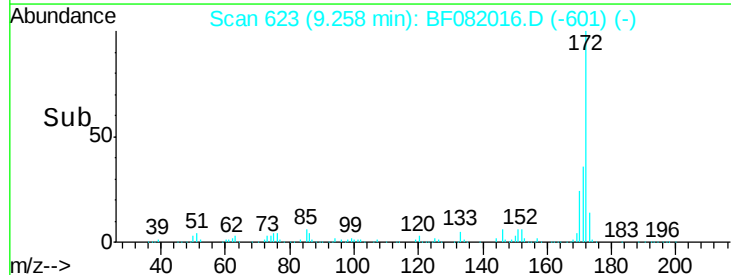
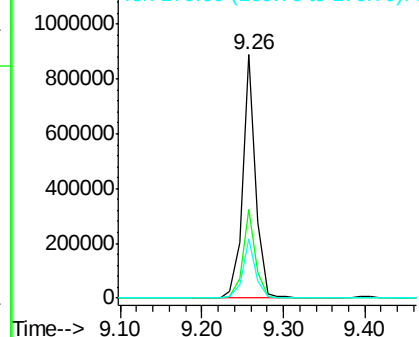


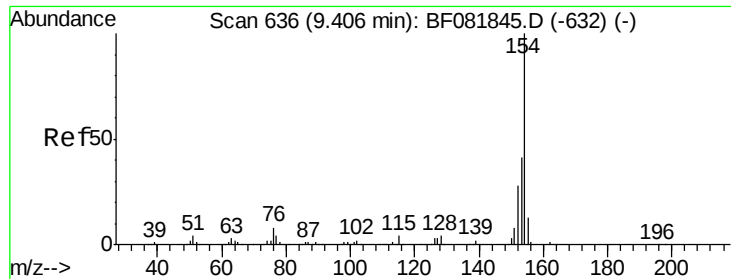
#44
 2-Fluorobiphenyl
 Concen: 96.62 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion:	172	Resp:	988377
Ion Ratio	Lower	Upper	
172	100		
171	36.3	26.1	39.1
170	24.4	17.4	26.2



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

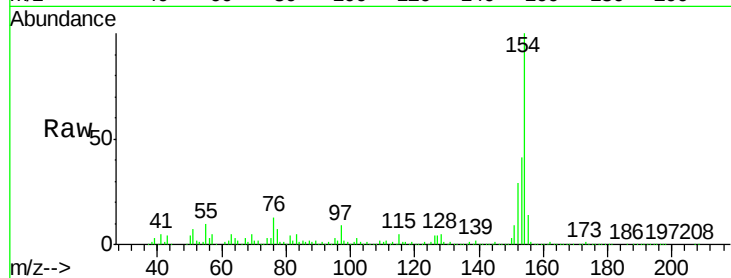




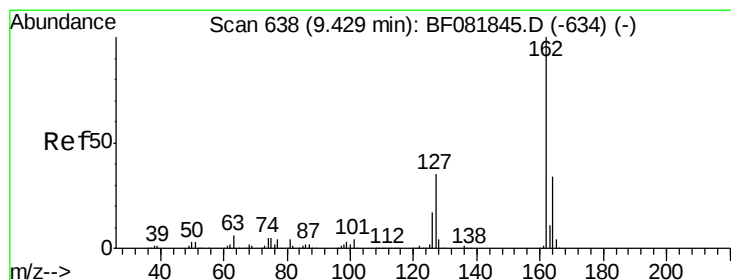
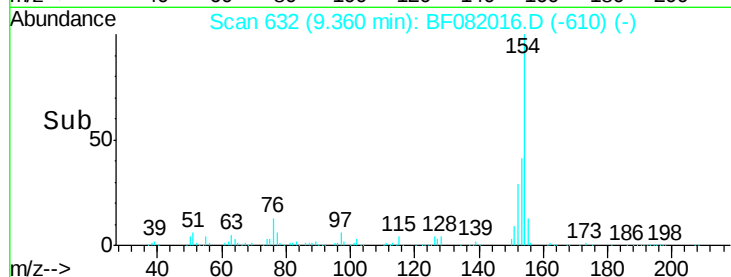
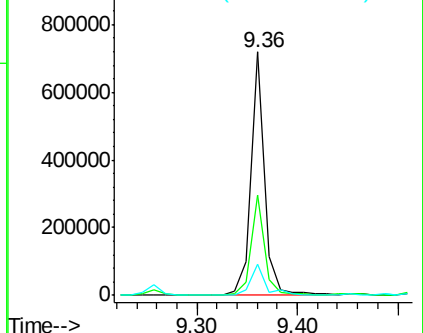
#45
 1,1'-Biphenyl
 Concen: 49.92 ng
 RT: 9.36 min Scan# 632
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	17.1	57.1
76	12.6	0.0	31.6

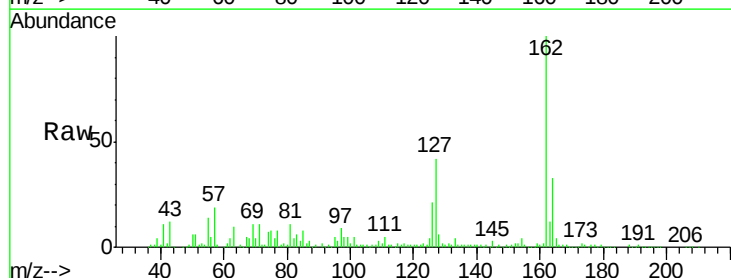


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

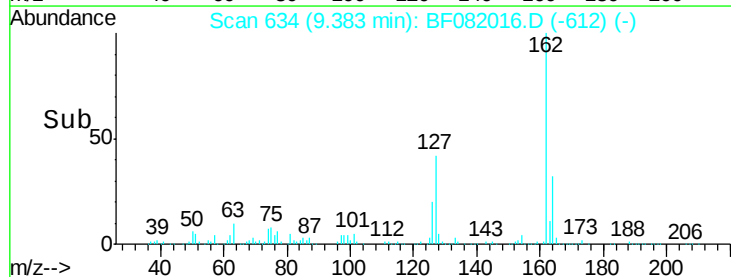
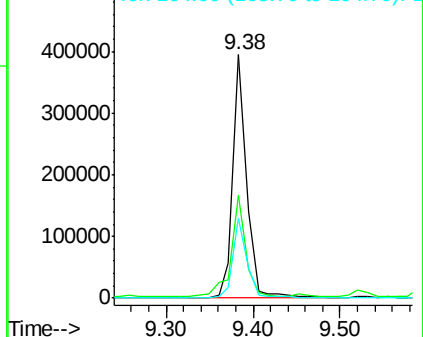


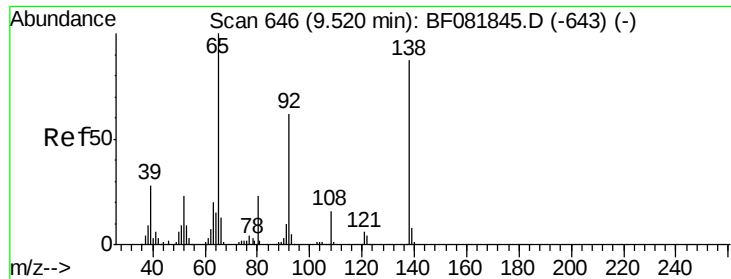
#46
 2-Chloronaphthalene
 Concen: 40.58 ng
 RT: 9.38 min Scan# 634
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.5	27.6	41.4#
164	32.6	25.4	38.2



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: 43.14 ng

RT: 9.49 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

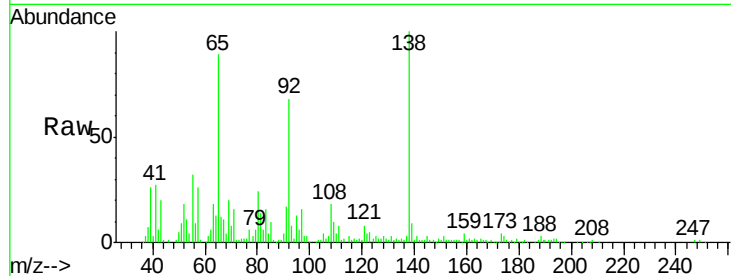
Tgt Ion: 65 Resp: 134865

Ion Ratio Lower Upper

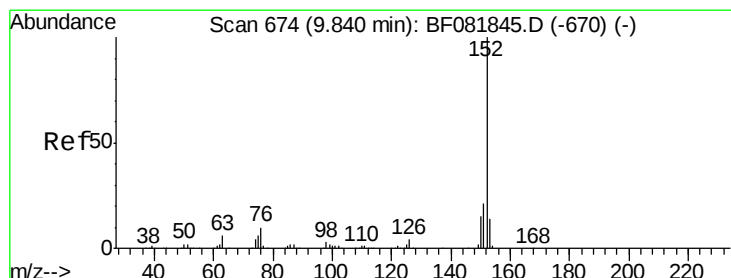
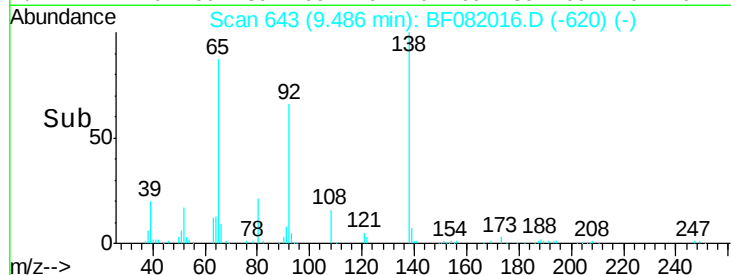
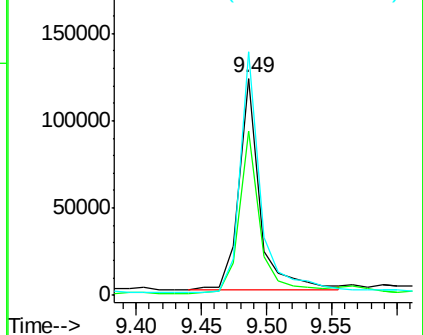
65 100

92 75.9 55.4 83.0

138 112.2 115.5 173.3#



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: 44.19 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

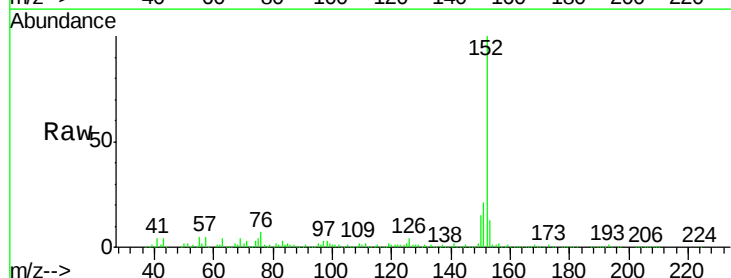
Tgt Ion: 152 Resp: 753285

Ion Ratio Lower Upper

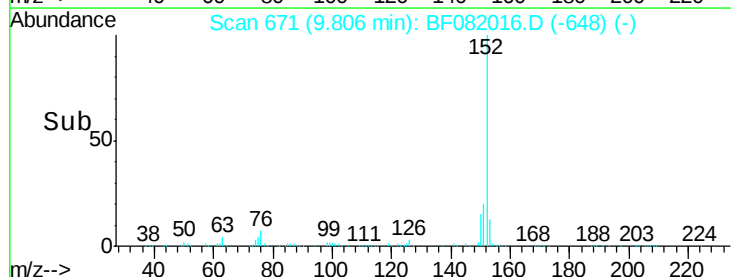
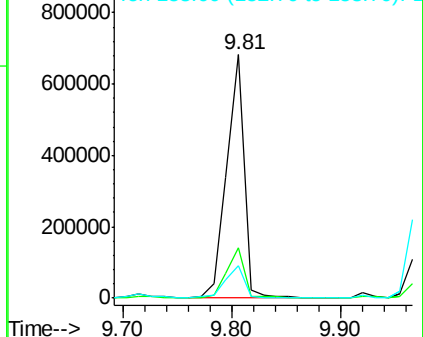
152 100

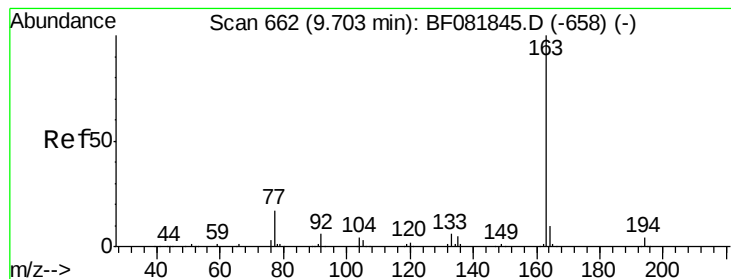
151 20.8 14.6 22.0

153 13.5 10.3 15.5



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: 62.91 ng

RT: 9.67 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

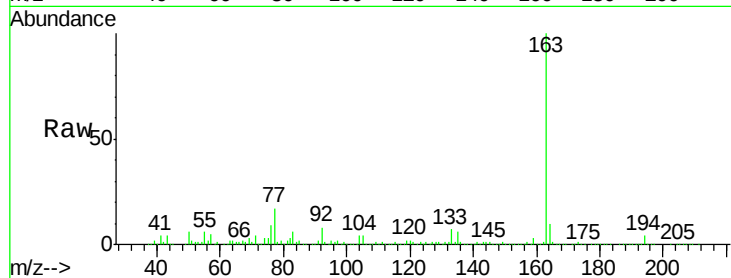
Tgt Ion:163 Resp: 763387

Ion Ratio Lower Upper

163 100

194 3.8 4.4 6.6#

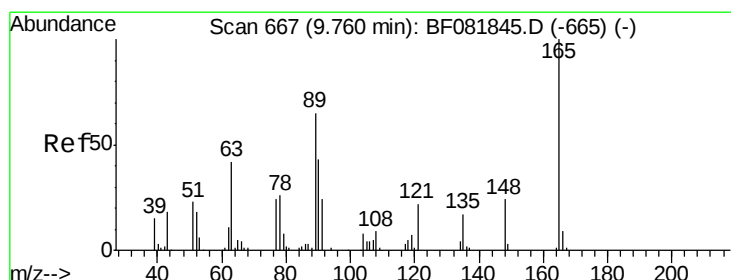
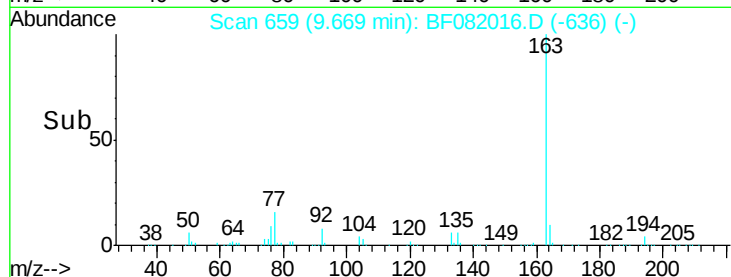
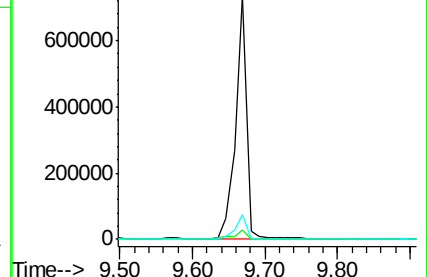
164 10.3 8.3 12.5



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: 41.18 ng

RT: 9.73 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

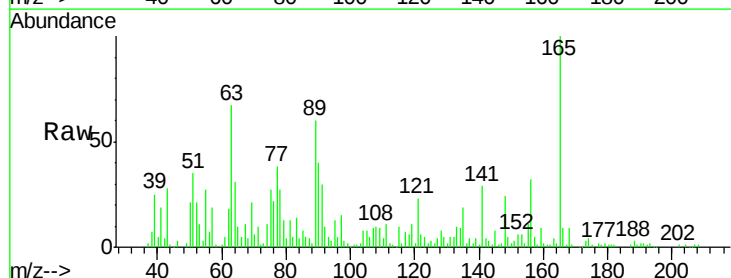
Tgt Ion:165 Resp: 108509

Ion Ratio Lower Upper

165 100

63 66.9 32.3 48.5#

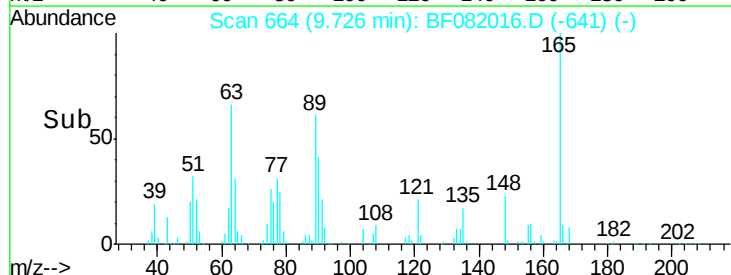
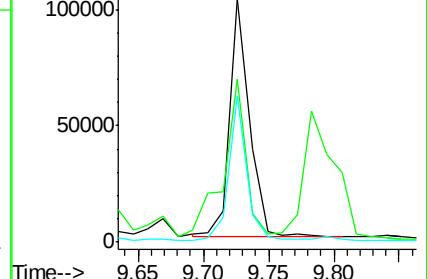
89 60.1 28.6 43.0#

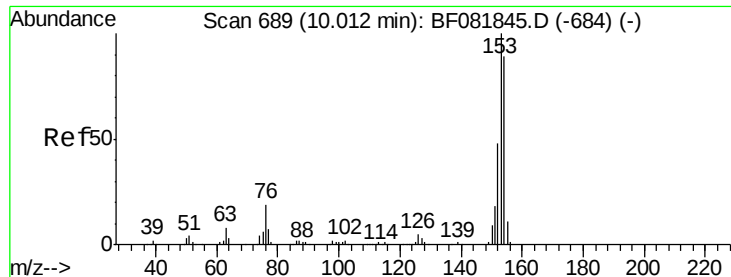


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 51.75 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

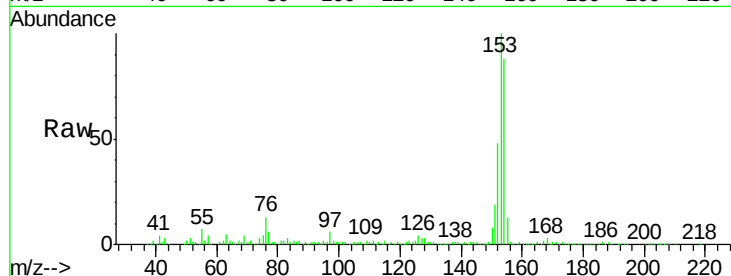
Tgt Ion:154 Resp: 523801

Ion Ratio Lower Upper

154 100

153 113.8 82.1 123.1

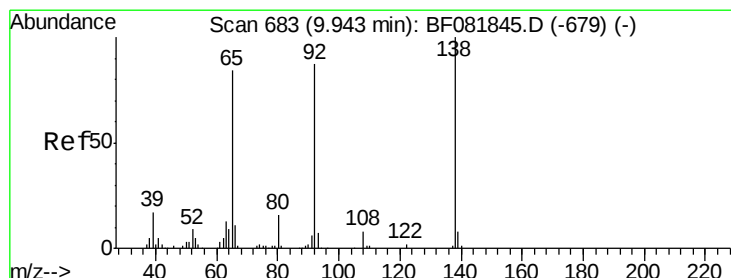
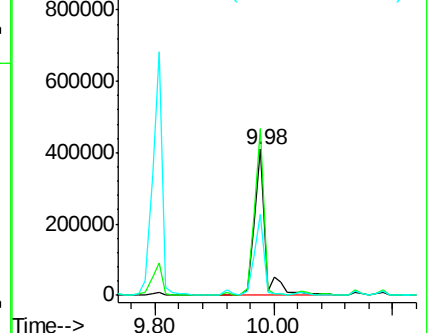
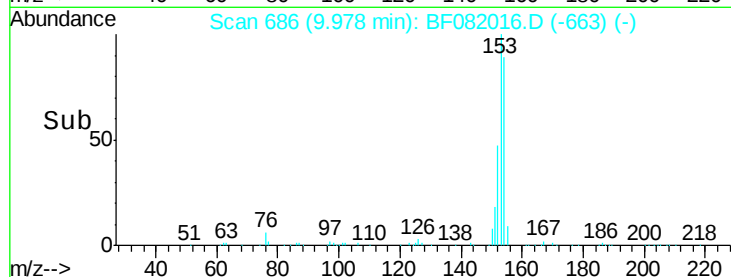
152 55.2 37.9 56.9



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: 29.98 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

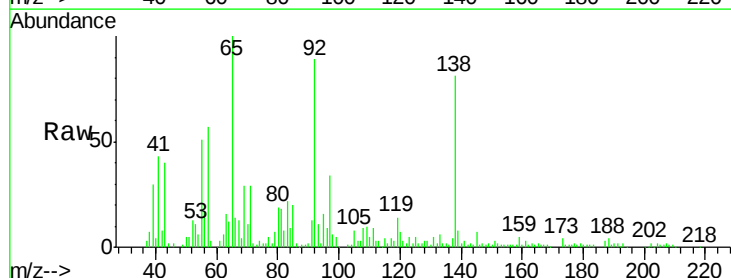
Tgt Ion:138 Resp: 91382

Ion Ratio Lower Upper

138 100

108 11.4 5.7 8.5#

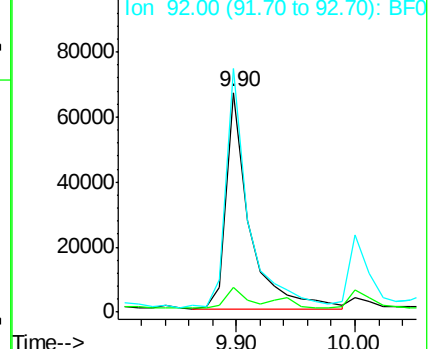
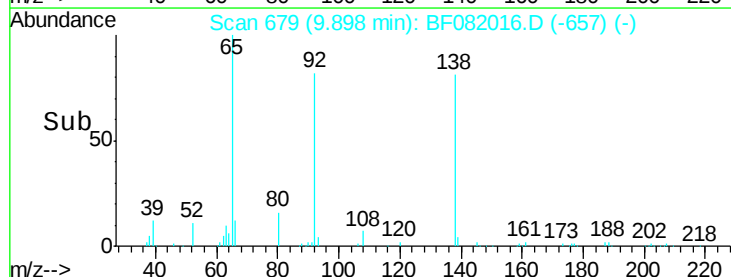
92 110.9 67.7 101.5#

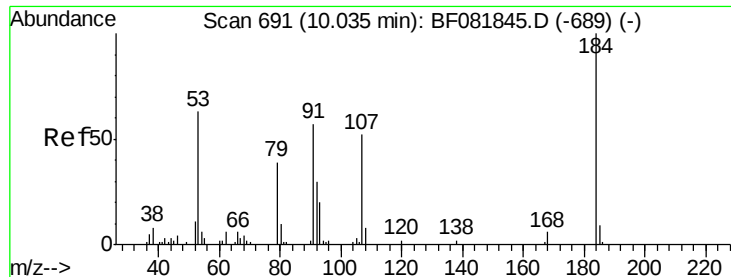


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

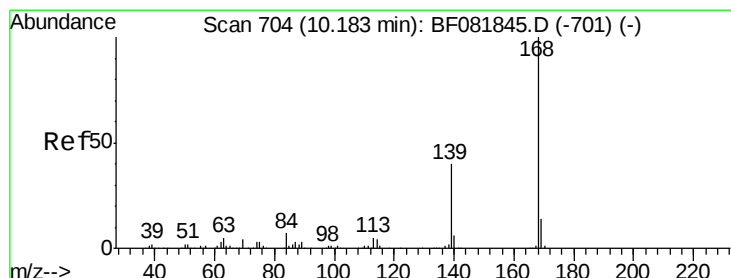
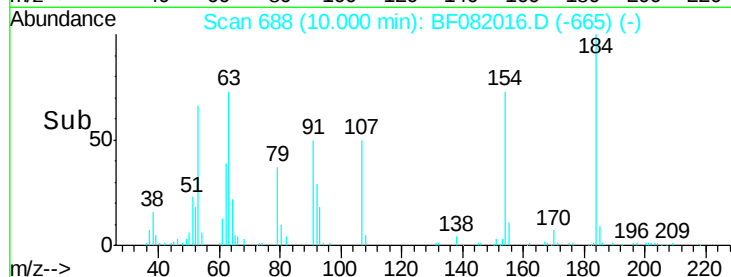
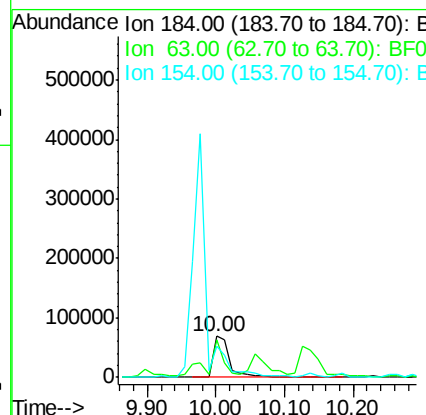
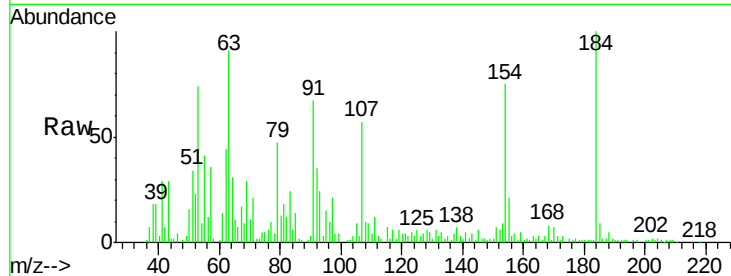




#53
2,4-Dinitrophenol
Concen: 86.62 ng
RT: 10.00 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

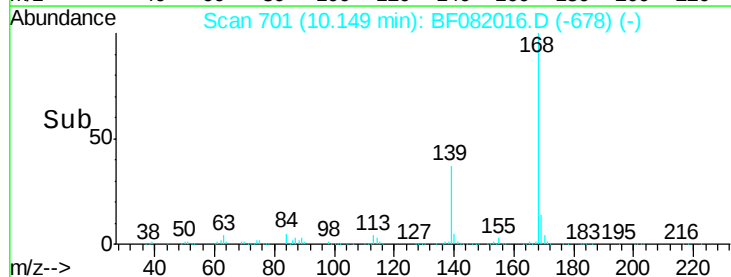
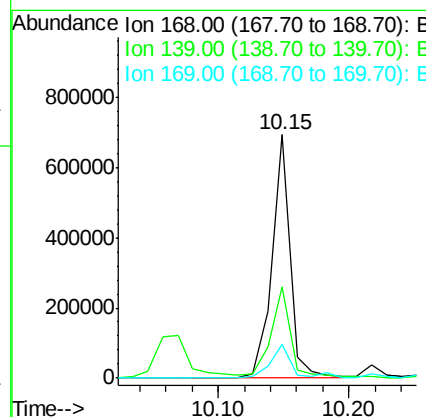
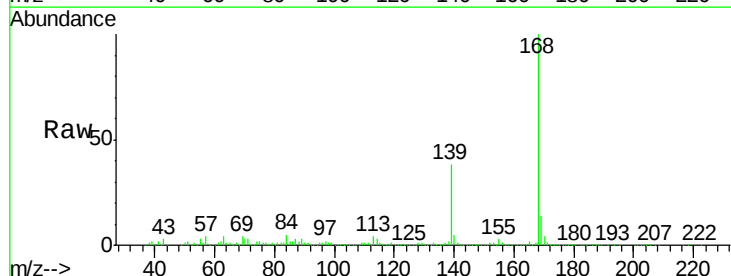
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

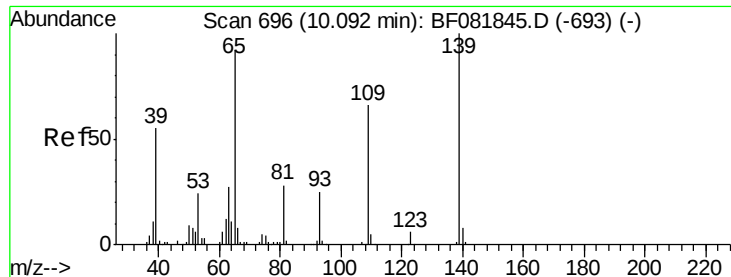
Tgt Ion:184 Resp: 117632
Ion Ratio Lower Upper
184 100
63 90.8 35.4 53.2#
154 75.3 32.2 48.4#



#54
Dibenzofuran
Concen: 47.31 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:168 Resp: 676787
Ion Ratio Lower Upper
168 100
139 37.8 24.2 36.2#
169 14.0 10.6 15.8





#55

4-Nitrophenol

Concen: 96.82 ng

RT: 10.07 min Scan# 694

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

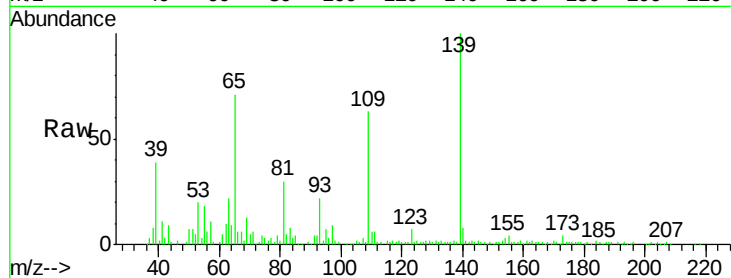
Tgt Ion:139 Resp: 213232

Ion Ratio Lower Upper

139 100

109 63.1 12.7 52.7#

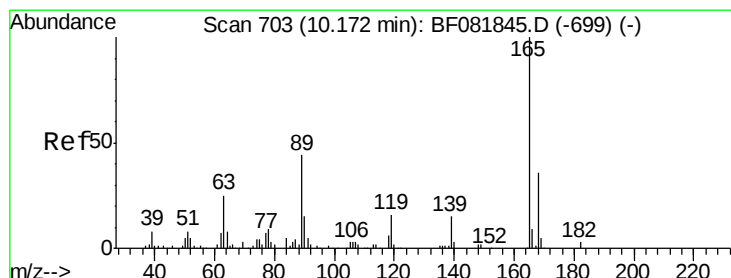
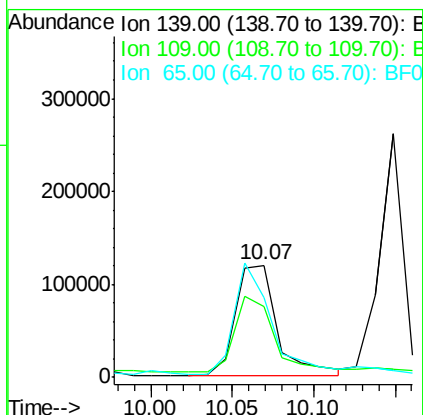
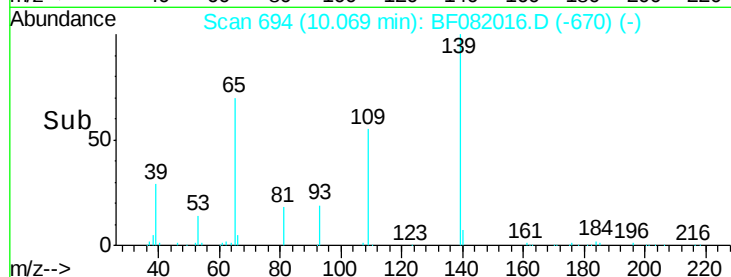
65 71.3 45.9 85.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BFO



#56

2,4-Dinitrotoluene

Concen: 48.69 ng

RT: 10.14 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:165 Resp: 163552

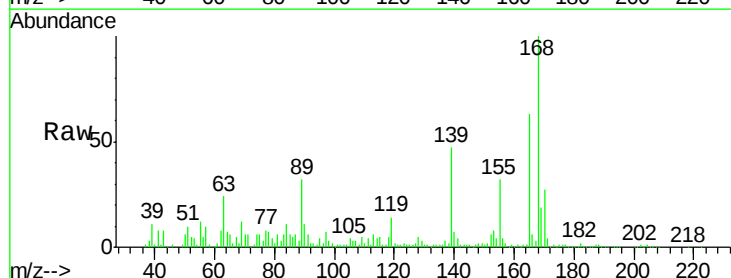
Ion Ratio Lower Upper

165 100

63 38.7 29.8 44.6

89 51.0 44.5 66.7

182 3.1 3.0 4.4

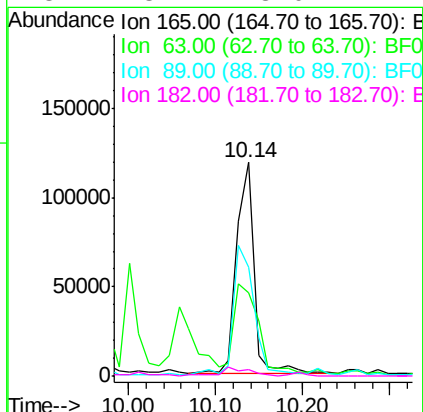
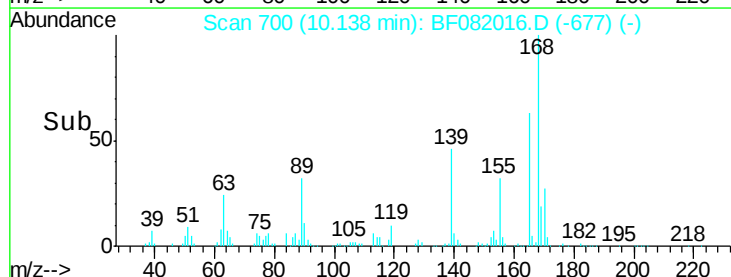


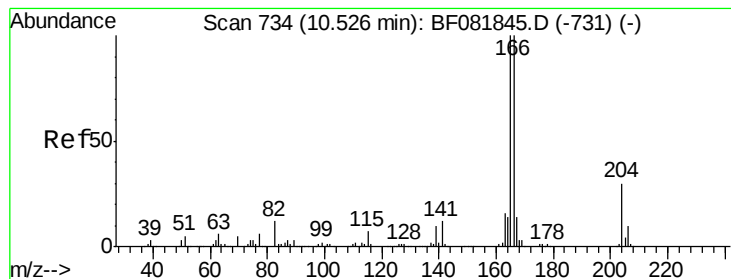
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BFO

Ion 89.00 (88.70 to 89.70): BFO

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 54.46 ng

RT: 10.49 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

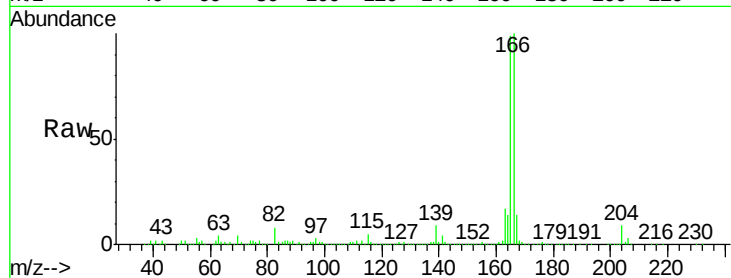
Tgt Ion:166 Resp: 552591

Ion Ratio Lower Upper

166 100

165 99.3 72.6 109.0

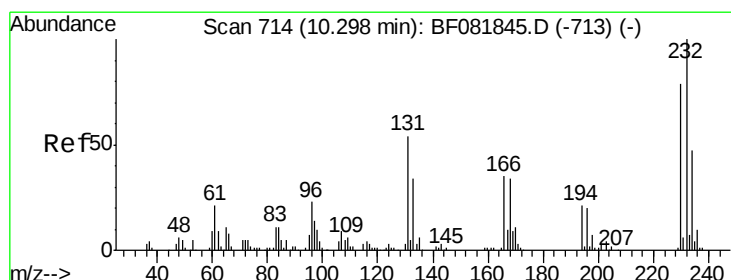
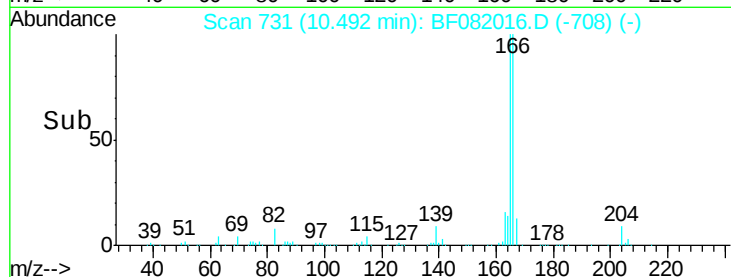
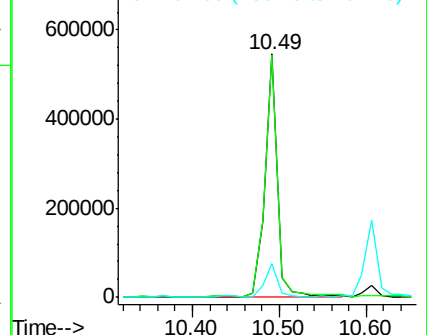
167 13.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.89 ng

RT: 10.26 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:232 Resp: 150582

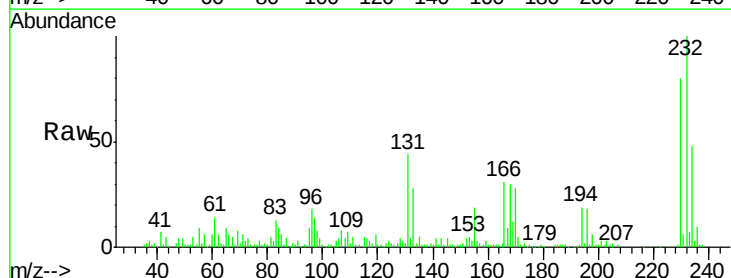
Ion Ratio Lower Upper

232 100

131 46.4 38.5 57.7

130 3.3 1.8 2.6#

166 28.7 25.0 37.6

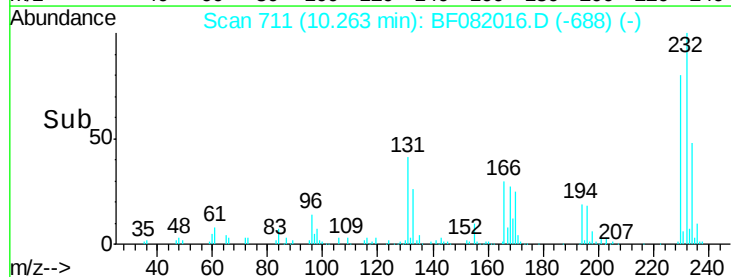
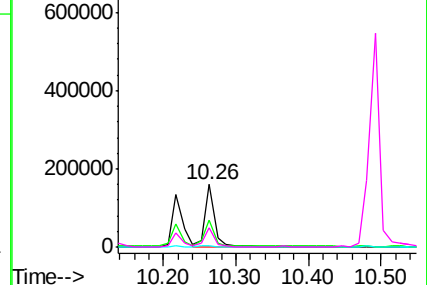


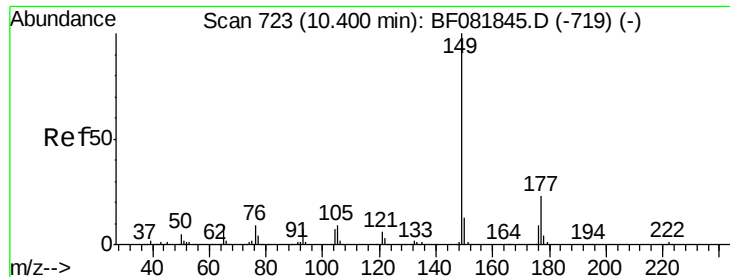
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

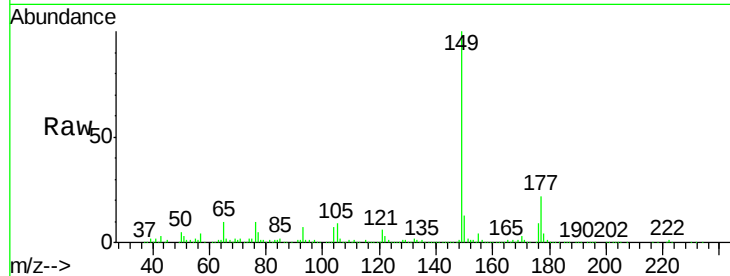




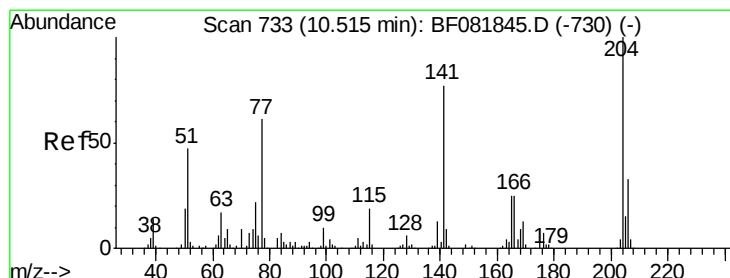
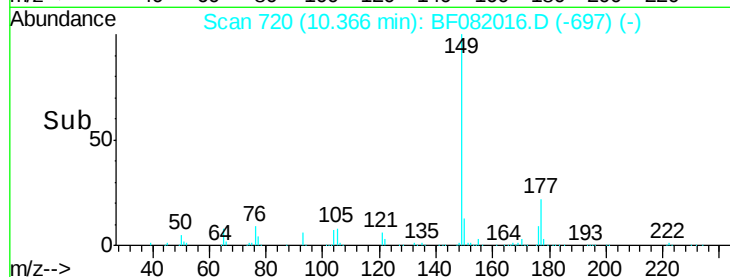
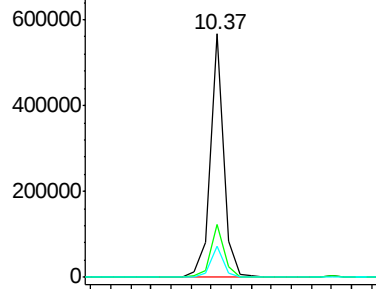
#59
Diethylphthalate
Concen: 45.40 ng
RT: 10.37 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tgt Ion:149 Resp: 514584
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.8 9.4 14.2

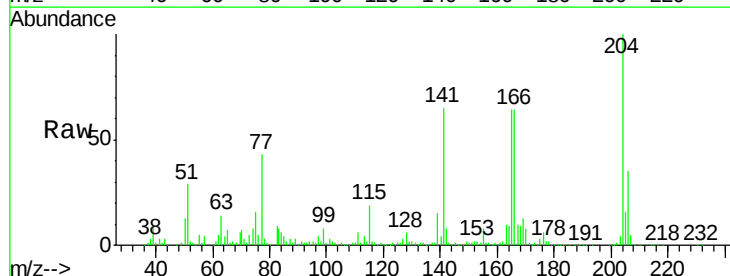


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

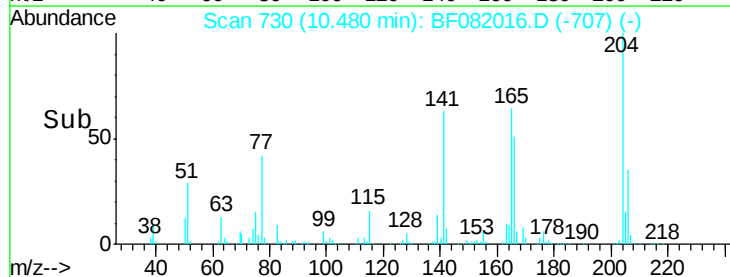
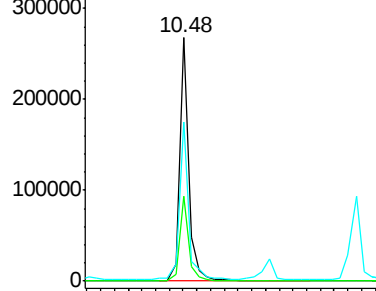


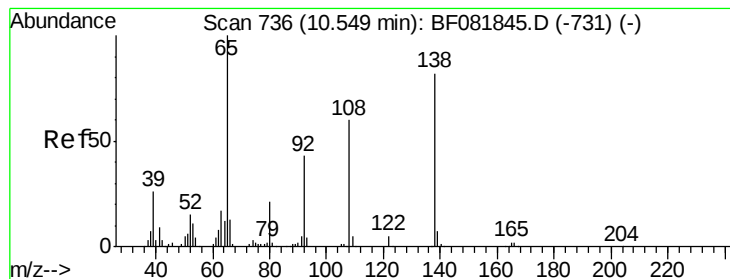
#60
4-Chlorophenyl-phenylether
Concen: 47.34 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:204 Resp: 247934
Ion Ratio Lower Upper
204 100
206 34.7 24.8 37.2
141 65.4 42.2 63.4#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.06 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

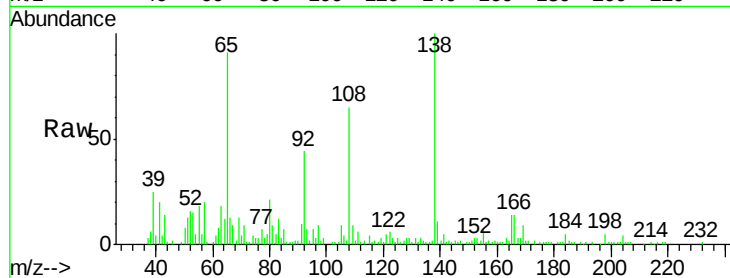
Tgt Ion:138 Resp: 125474

Ion Ratio Lower Upper

138 100

92 43.8 12.6 52.6

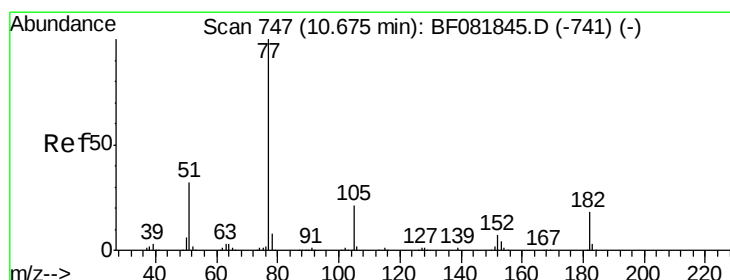
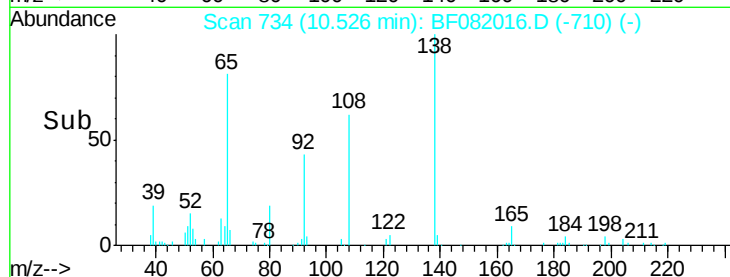
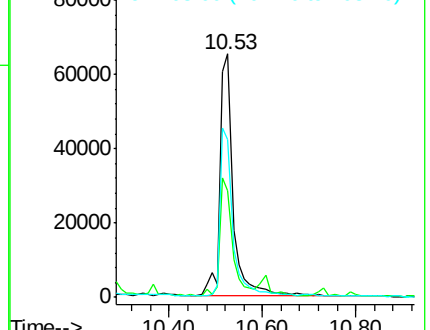
108 64.6 12.4 52.4#



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: 47.39 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion: 77 Resp: 524310

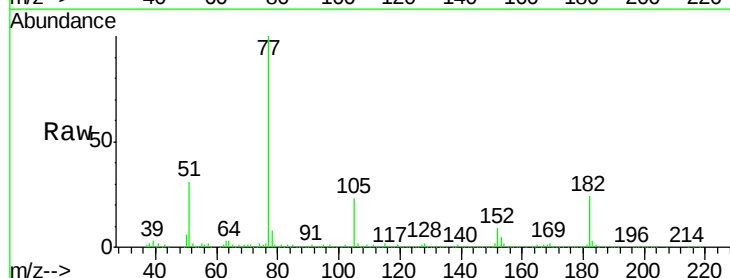
Ion Ratio Lower Upper

77 100

182 24.2 15.1 55.1

105 23.0 3.4 43.4

51 30.8 12.0 52.0

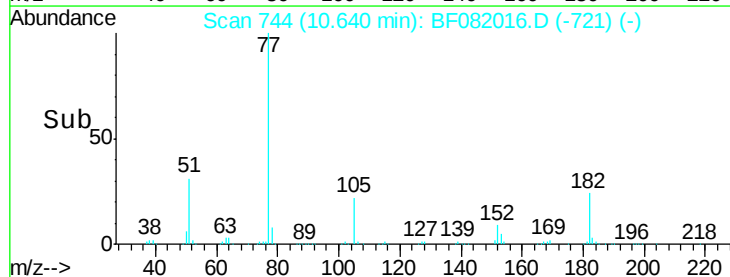
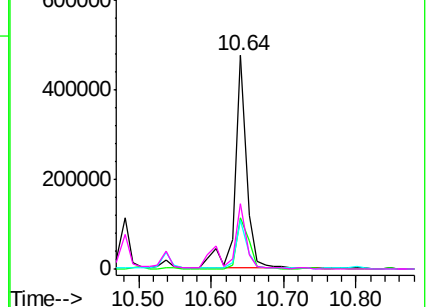


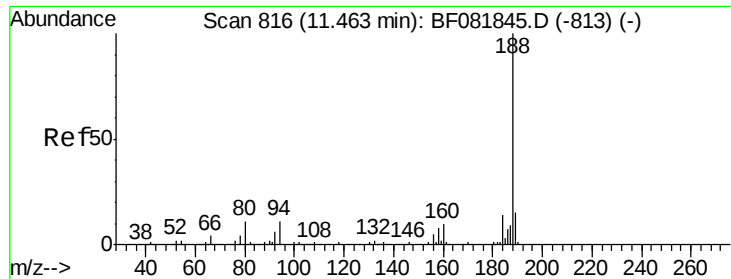
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

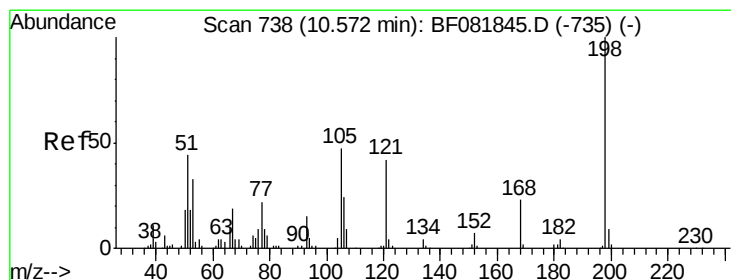
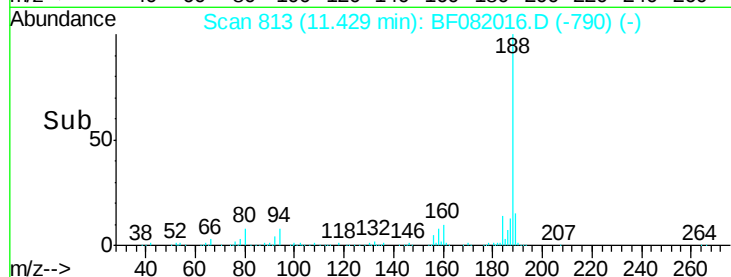
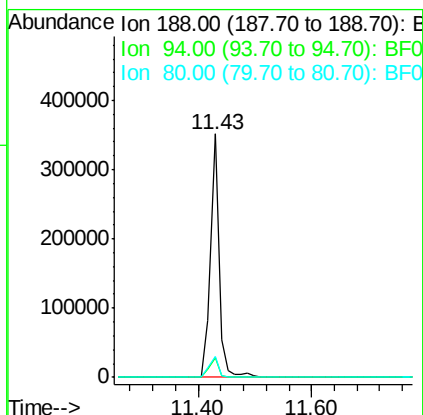
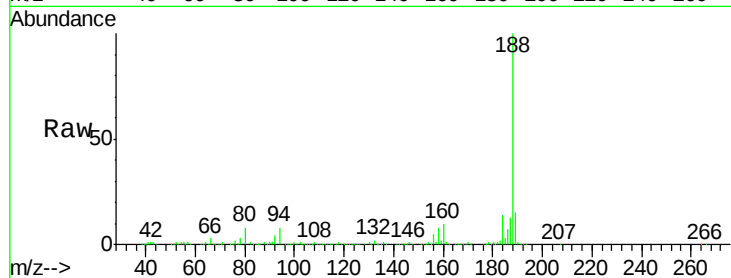




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

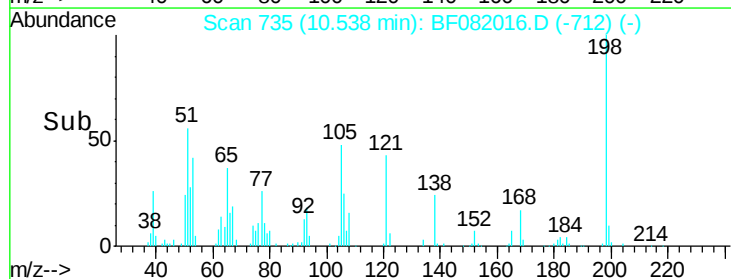
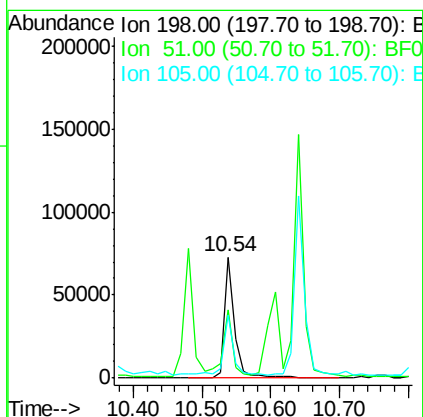
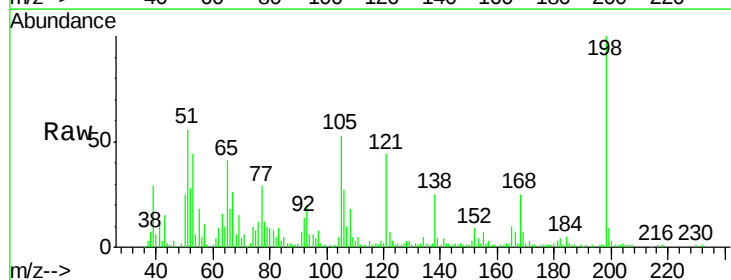
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

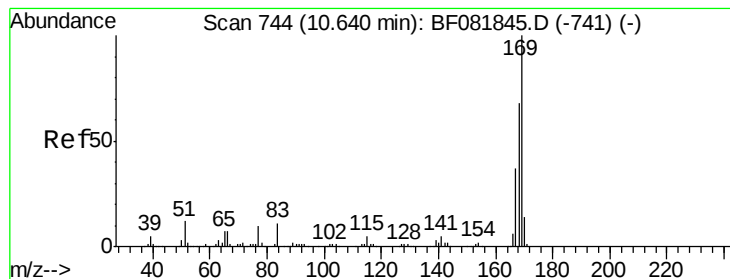
Tgt Ion:188 Resp: 357948
Ion Ratio Lower Upper
188 100
94 7.8 11.1 16.7#
80 8.5 11.0 16.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 48.02 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:198 Resp: 78000
Ion Ratio Lower Upper
198 100
51 56.4 39.6 79.6
105 52.6 28.5 68.5





#65

n-Nitrosodiphenylamine

Concen: 45.12 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

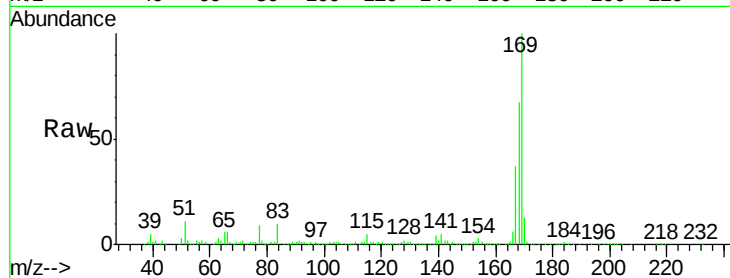
Tgt Ion:169 Resp: 488620

Ion Ratio Lower Upper

169 100

168 66.7 48.9 73.3

167 36.9 26.2 39.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

600000

500000

400000

300000

200000

100000

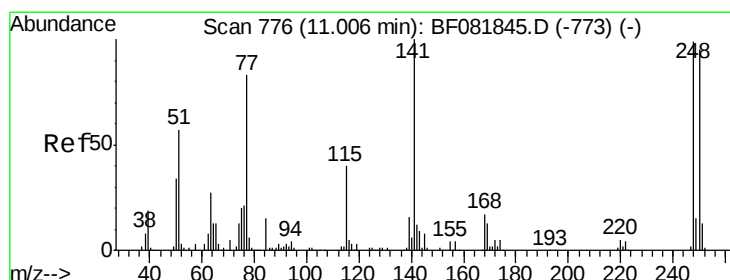
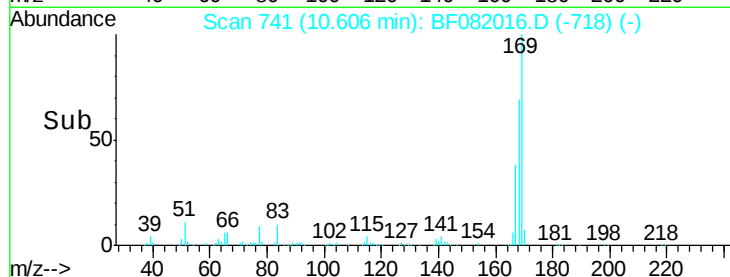
0

10.61

10.60

10.70

Time-->



#66

4-Bromophenyl-phenylether

Concen: 46.53 ng

RT: 10.97 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

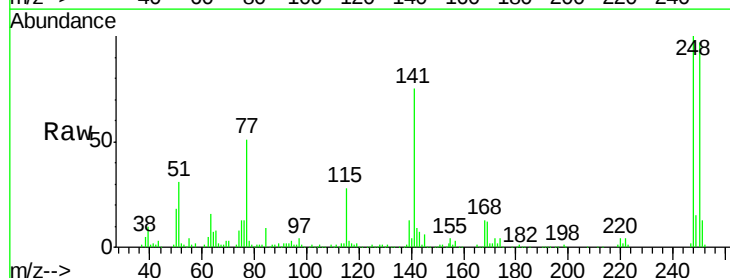
Tgt Ion:248 Resp: 167925

Ion Ratio Lower Upper

248 100

250 97.3 78.5 117.7

141 75.5 59.0 88.6



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

200000

150000

100000

50000

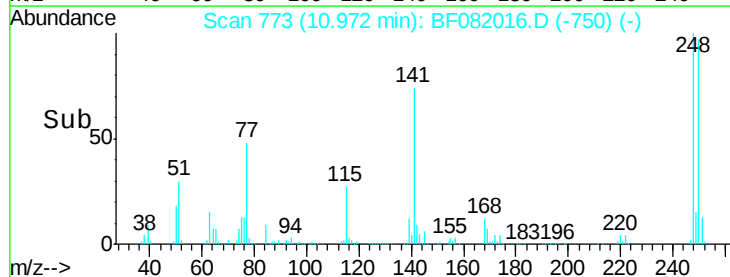
0

10.97

11.00

11.20

Time-->

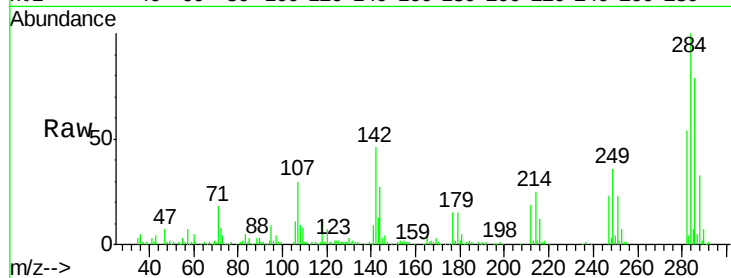




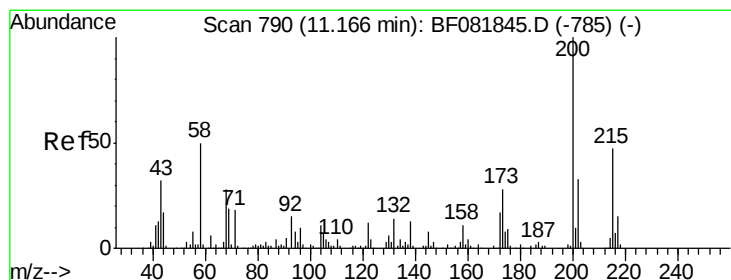
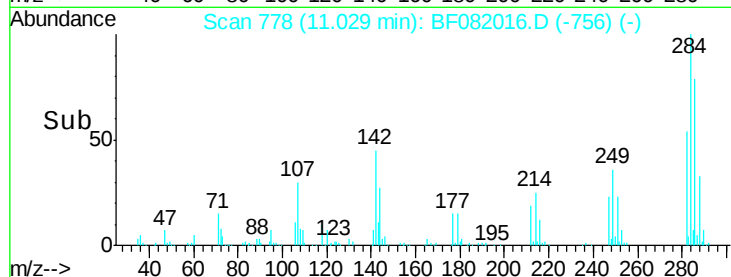
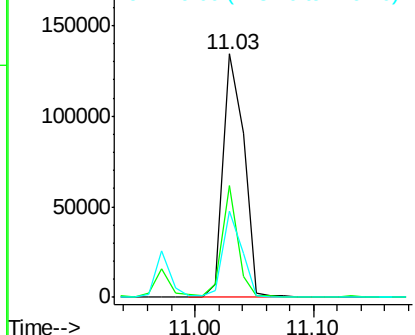
#67
Hexachlorobenzene
Concen: 39.92 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tgt Ion:284 Resp: 162619
Ion Ratio Lower Upper
284 100
142 45.9 29.5 44.3#
249 35.6 19.5 29.3#

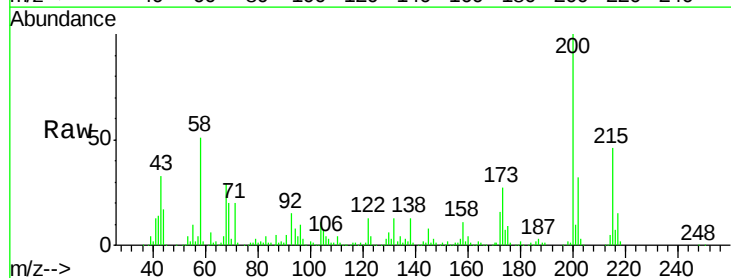


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

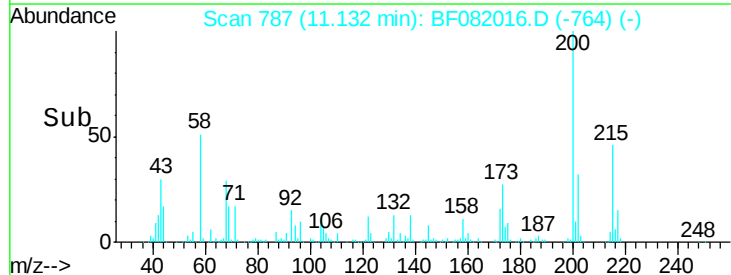
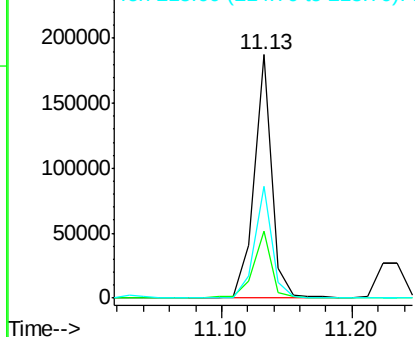


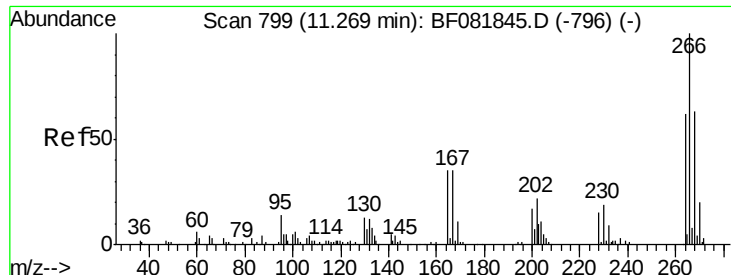
#68
Atrazine
Concen: 52.82 ng
RT: 11.13 min Scan# 787
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion:200 Resp: 177481
Ion Ratio Lower Upper
200 100
173 27.4 13.2 53.2
215 45.9 41.8 81.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

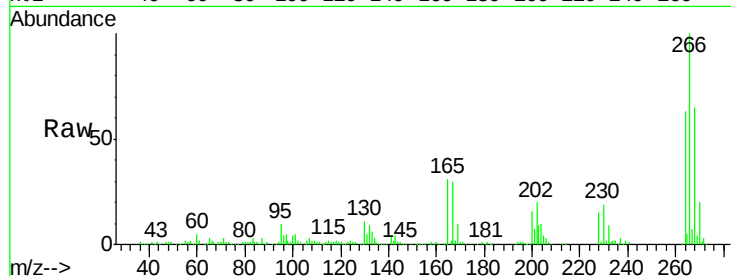




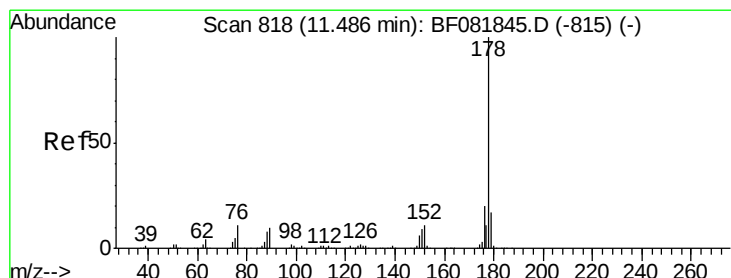
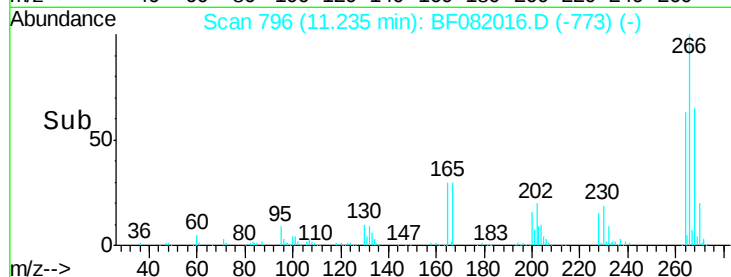
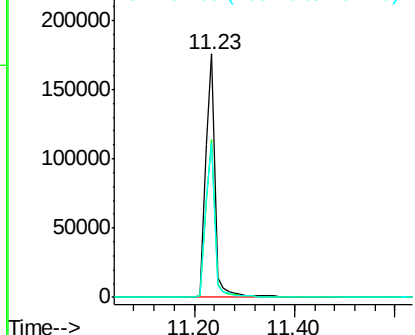
#69
 Pentachlorophenol
 Concen: 97.38 ng
 RT: 11.23 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tgt Ion: 266 Resp: 226008
 Ion Ratio Lower Upper
 266 100
 268 64.8 49.8 74.6
 264 63.2 50.2 75.2

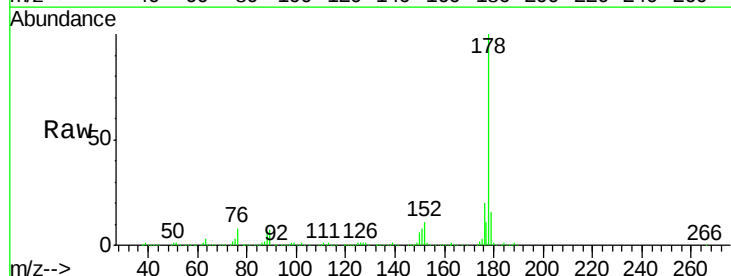


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

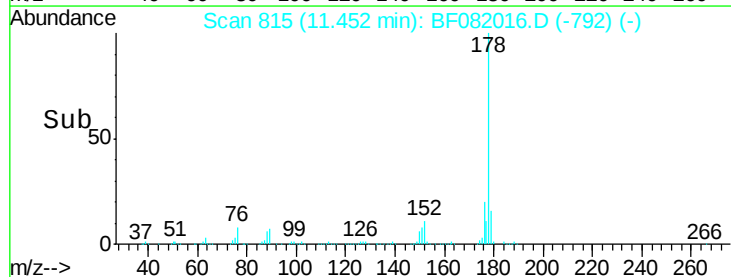
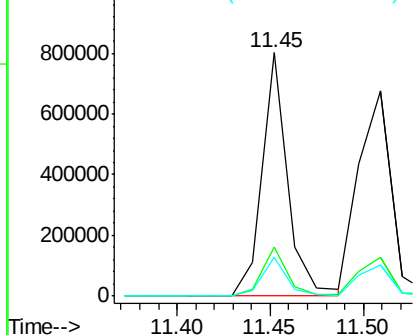


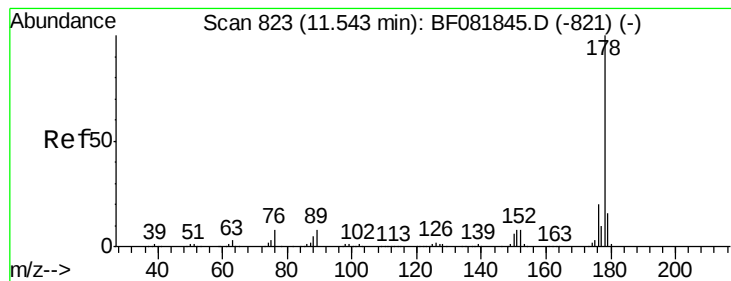
#70
 Phenanthrene
 Concen: 44.73 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion: 178 Resp: 770655
 Ion Ratio Lower Upper
 178 100
 176 20.3 13.8 20.8
 179 16.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 47.68 ng

RT: 11.51 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

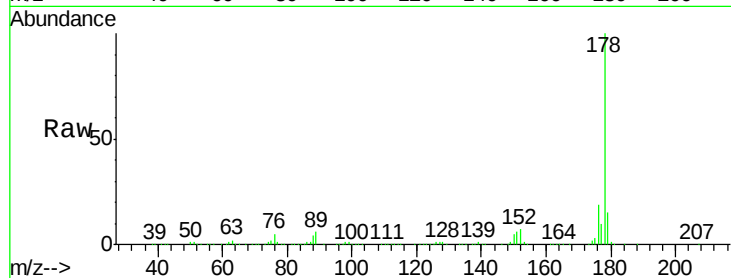
Tgt Ion:178 Resp: 867416

Ion Ratio Lower Upper

178 100

176 18.8 14.1 21.1

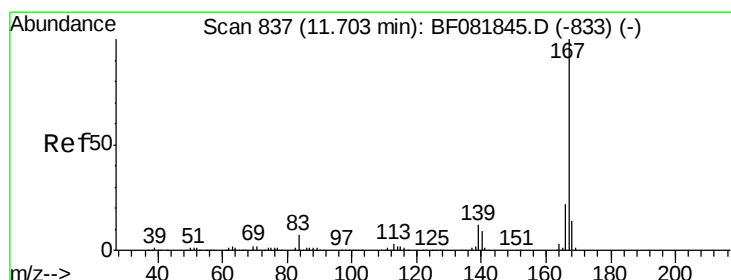
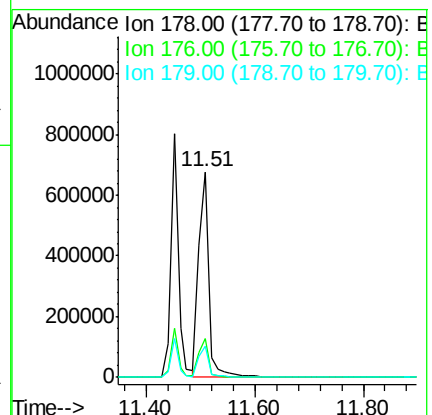
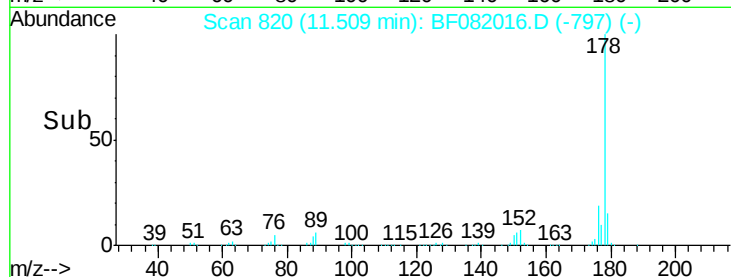
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 45.53 ng

RT: 11.66 min Scan# 833

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

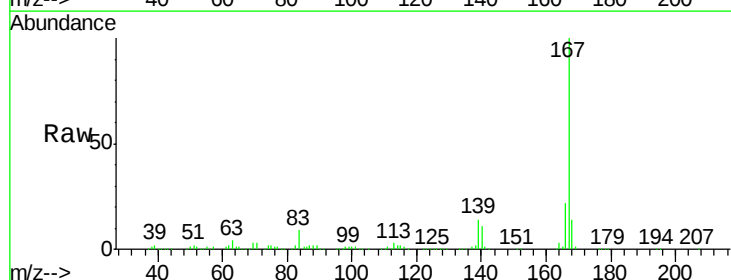
Tgt Ion:167 Resp: 749723

Ion Ratio Lower Upper

167 100

166 22.3 15.7 23.5

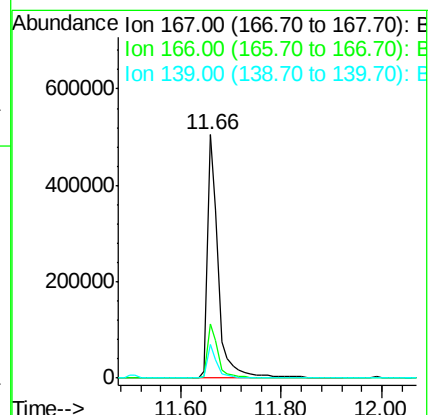
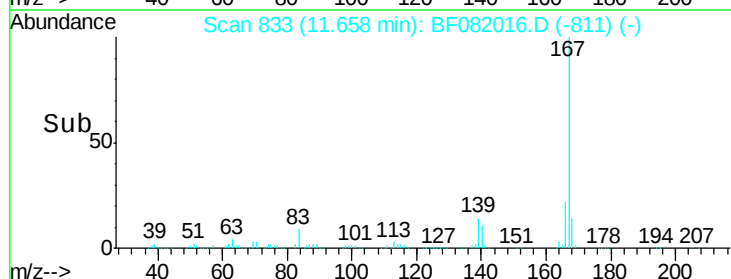
139 13.9 9.5 14.3

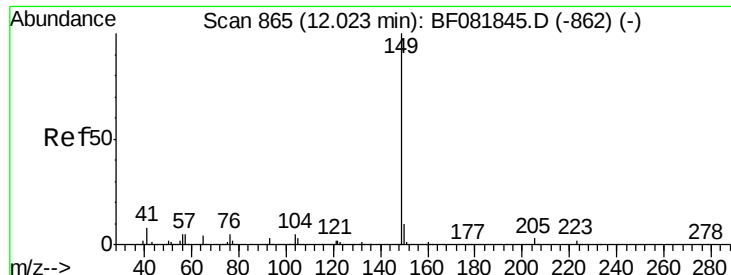


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.95 ng

RT: 11.99 min Scan# 862

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

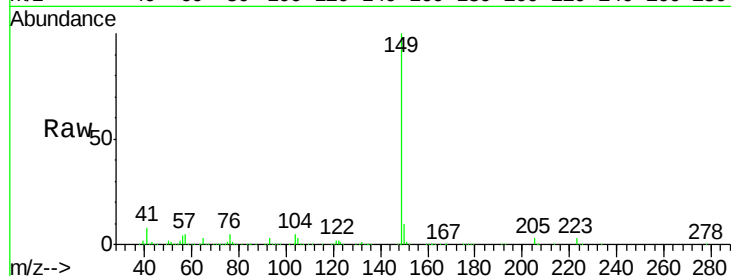
Tgt Ion:149 Resp: 835182

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

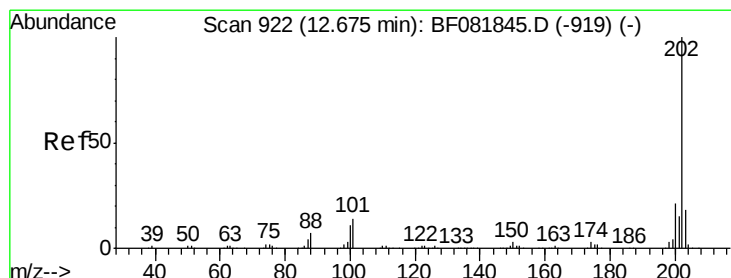
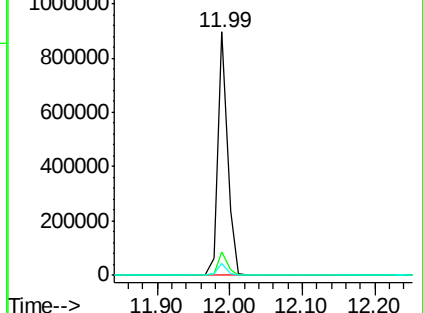
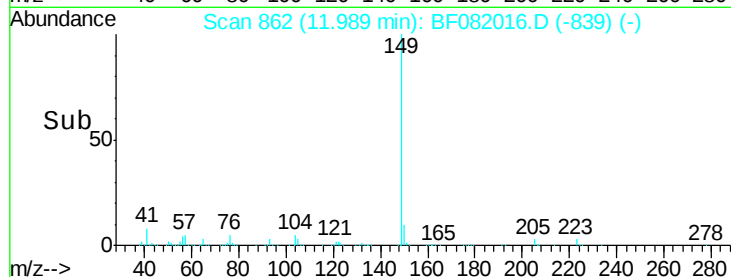
104 4.9 2.4 3.6#



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: 44.76 ng

RT: 12.64 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

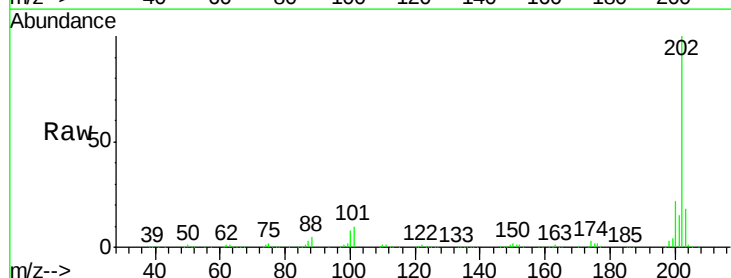
Tgt Ion:202 Resp: 858211

Ion Ratio Lower Upper

202 100

101 10.5 0.0 38.3

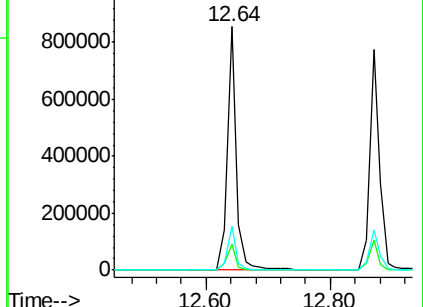
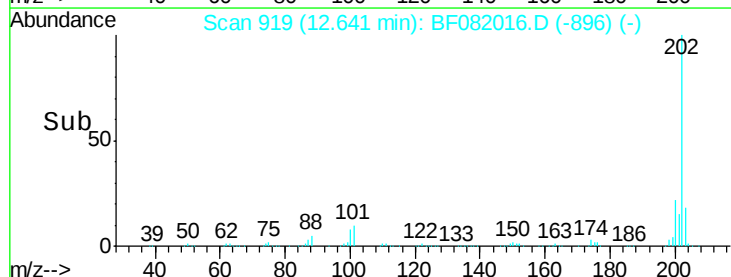
203 18.0 0.0 37.3

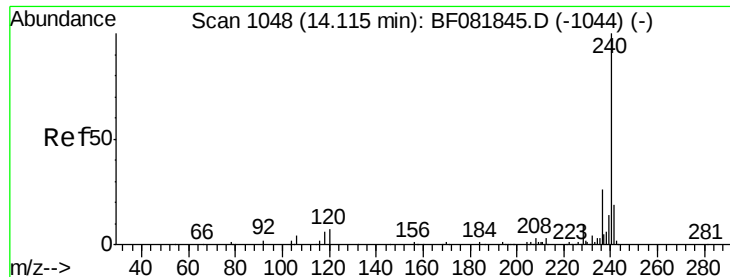


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

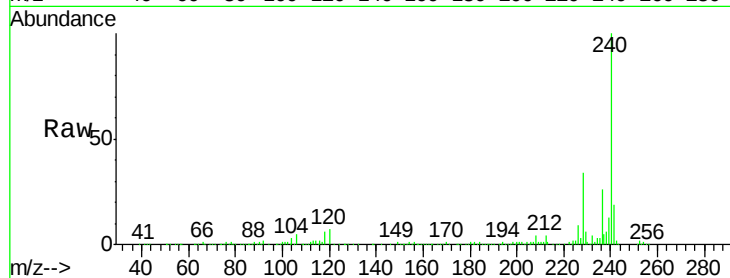
Tgt Ion:240 Resp: 330311

Ion Ratio Lower Upper

240 100

120 7.0 16.2 24.2#

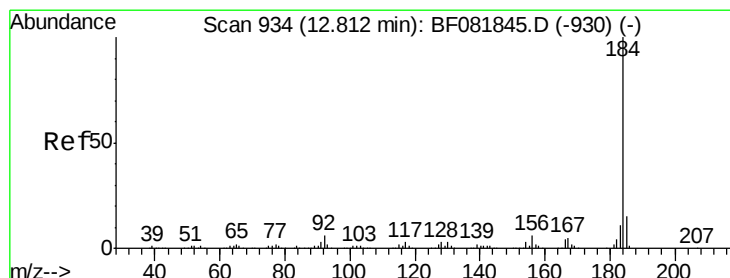
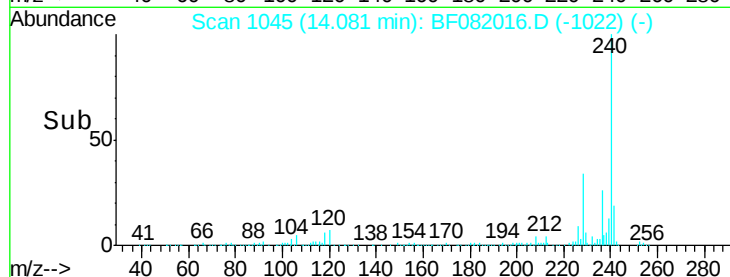
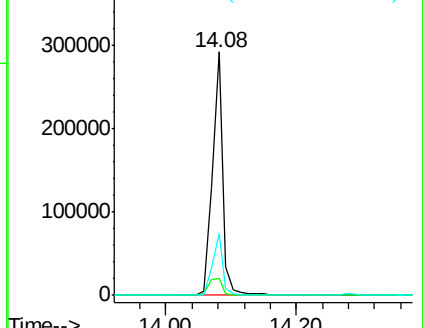
236 25.5 18.4 27.6



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: 42.46 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

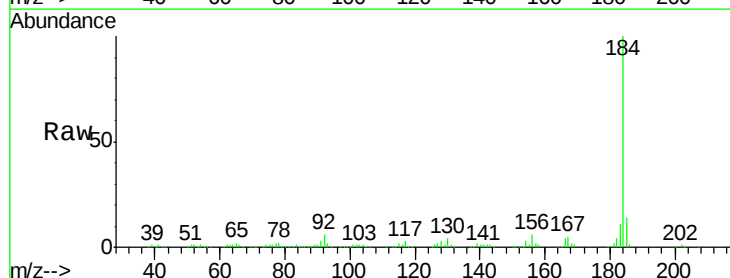
Tgt Ion:184 Resp: 422610

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.6

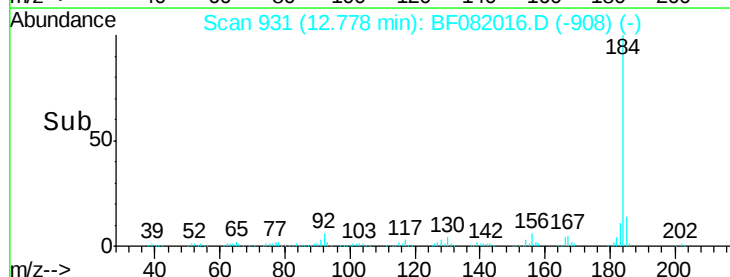
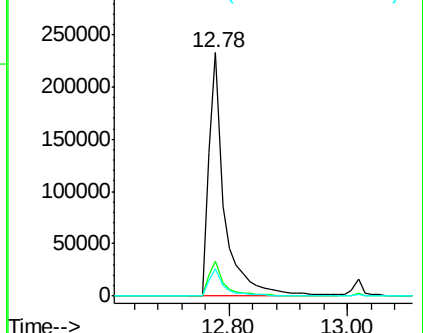
183 11.1 7.6 11.4

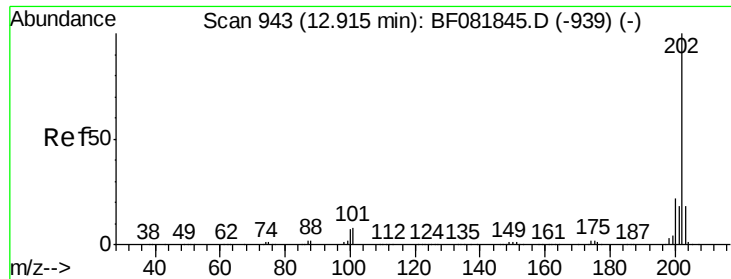


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

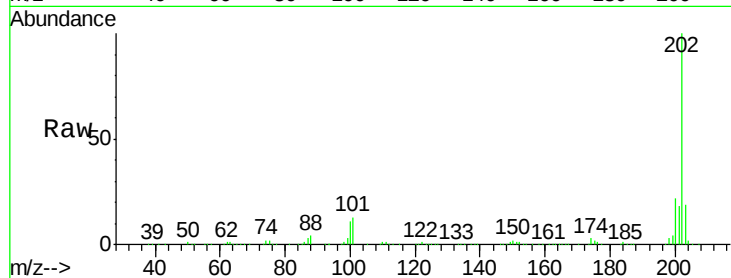




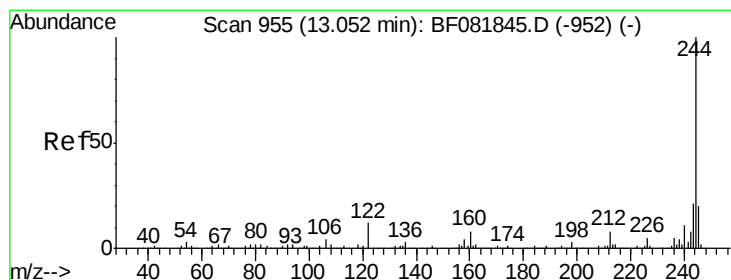
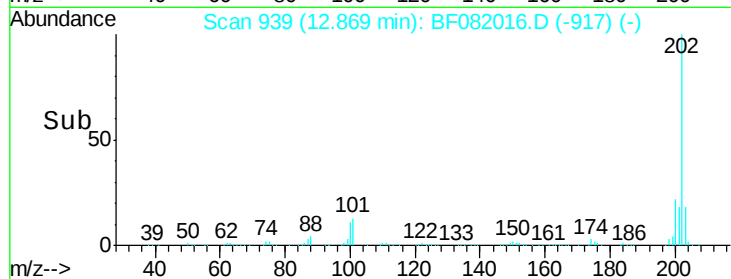
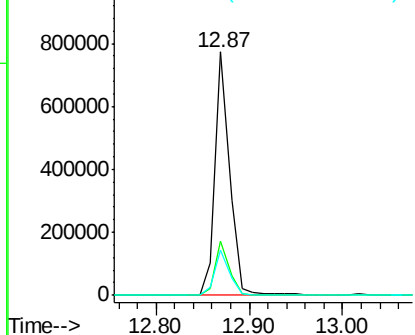
#77
 Pyrene
 Concen: 42.86 ng
 RT: 12.87 min Scan# 939
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	15.0	22.4
203	18.5	14.1	21.1

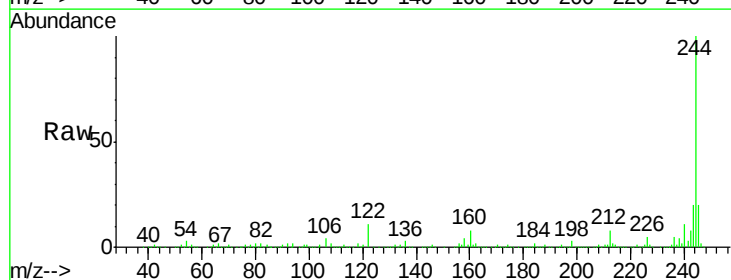


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

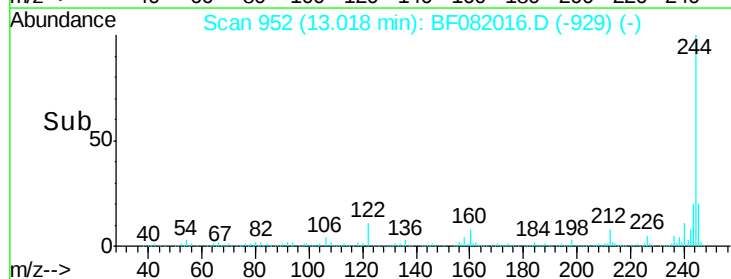
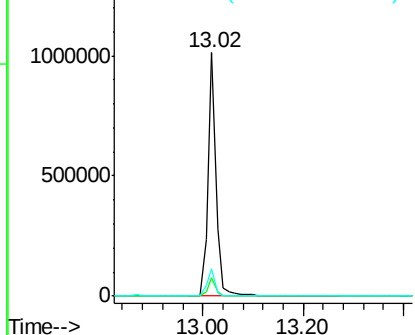


#78
 Terphenyl-d14
 Concen: 126.98 ng
 RT: 13.02 min Scan# 952
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	11.3	17.4	26.2#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 53.15 ng

RT: 13.50 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

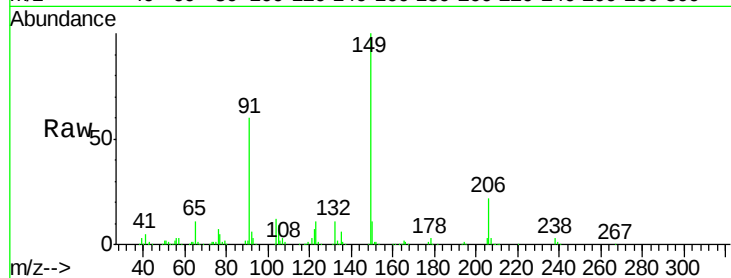
Tgt Ion:149 Resp: 394656

Ion Ratio Lower Upper

149 100

91 60.3 48.6 72.8

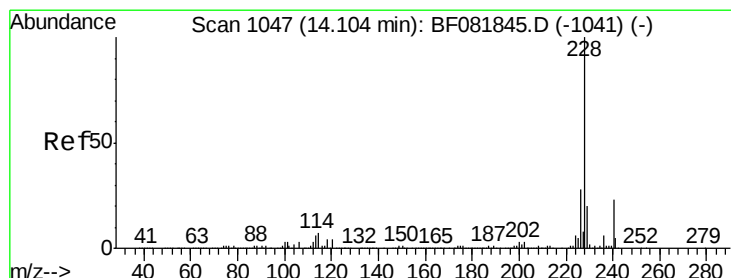
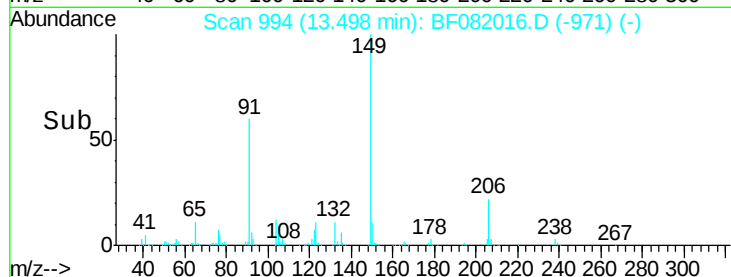
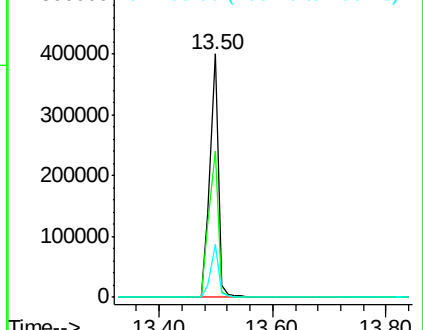
206 21.9 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 42.20 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

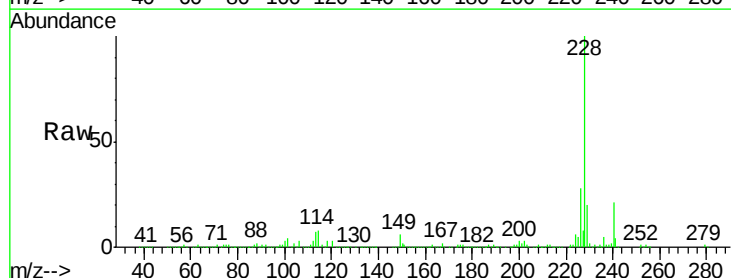
Tgt Ion:228 Resp: 750540

Ion Ratio Lower Upper

228 100

226 28.0 20.0 30.0

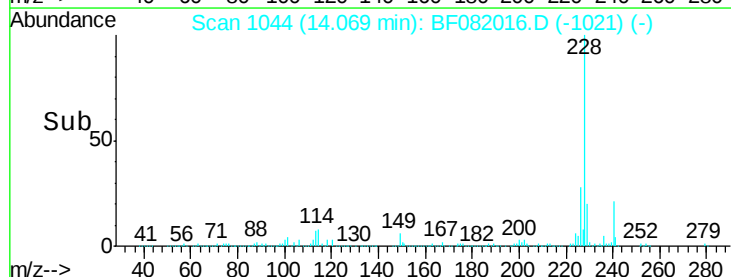
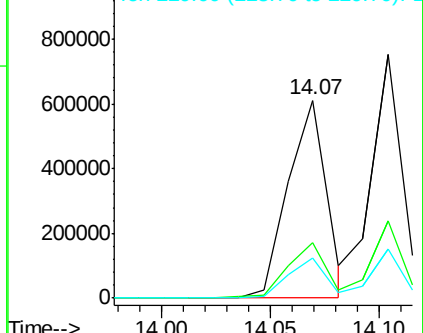
229 20.1 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

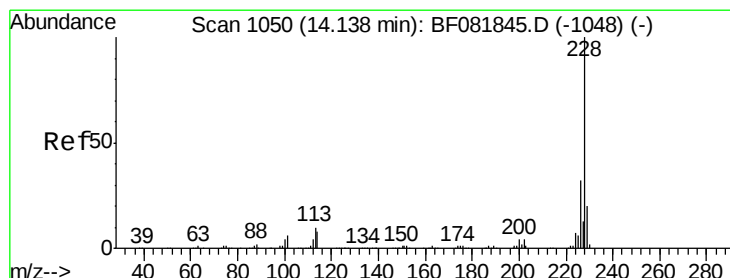
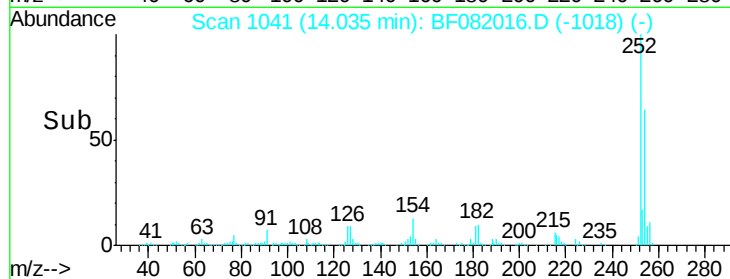
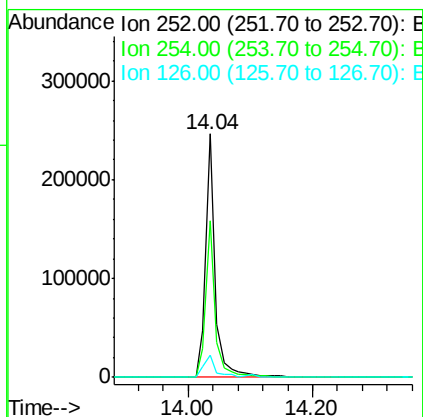
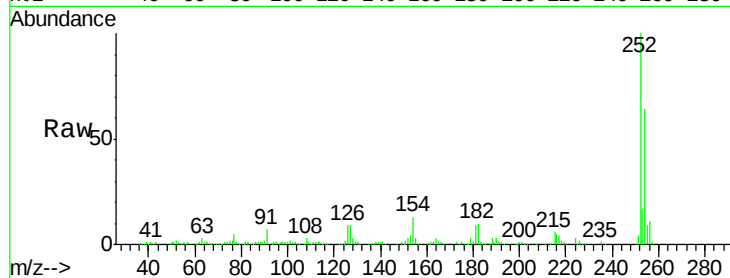




#81
 3,3'-Dichlorobenzidine
 Concen: 44.93 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

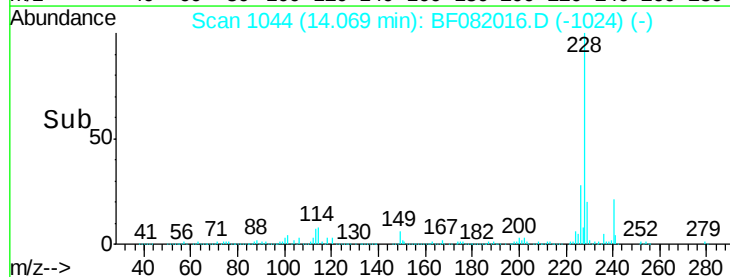
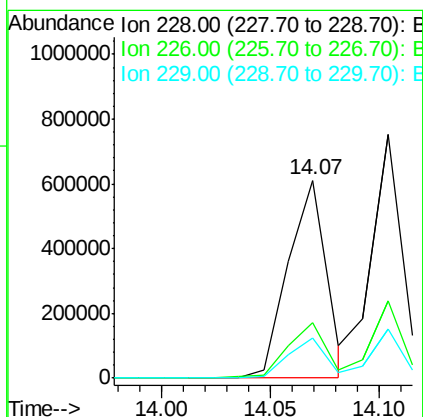
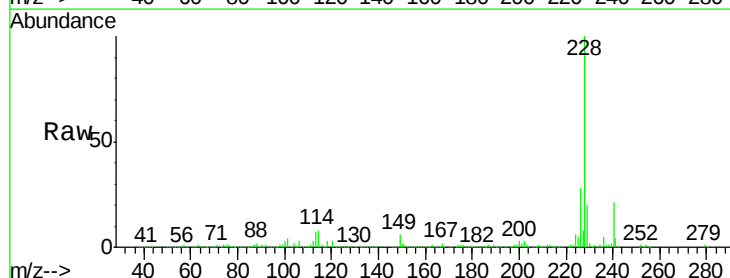
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

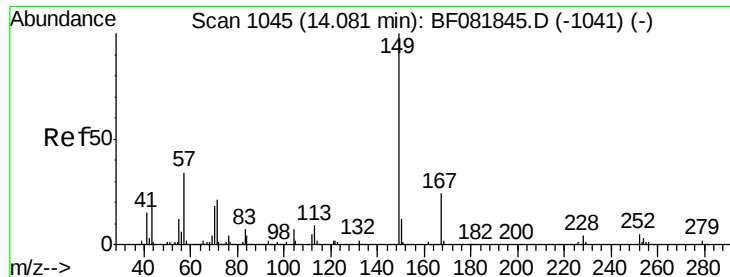
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	9.1	16.4	24.6#



#82
 Chrysene
 Concen: 53.76 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. -0.07 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	20.1	15.6	23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 54.03 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

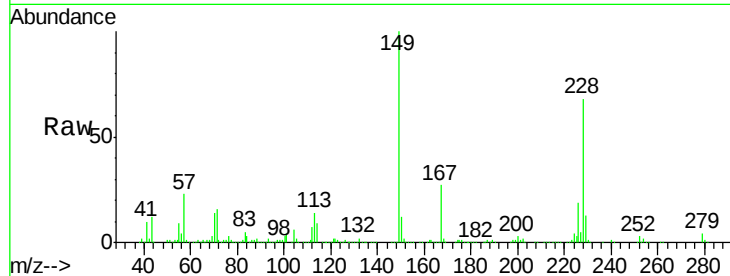
Tgt Ion:149 Resp: 503210

Ion Ratio Lower Upper

149 100

167 27.4 24.2 36.2

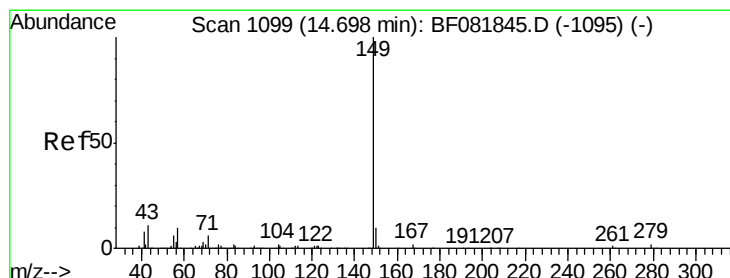
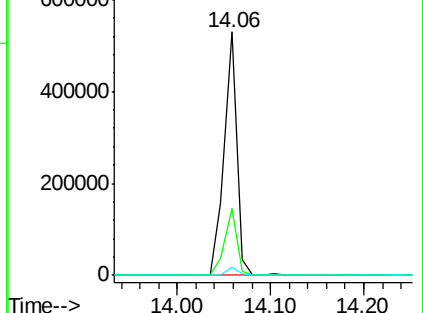
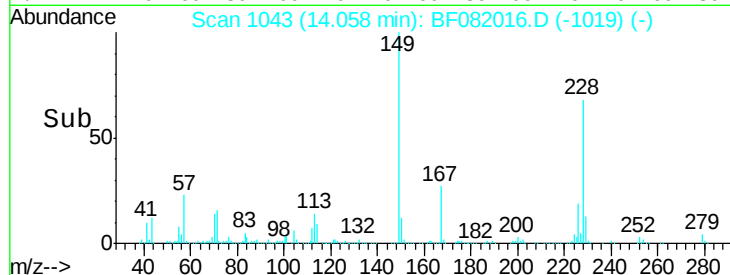
279 3.5 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 58.20 ng

RT: 14.68 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

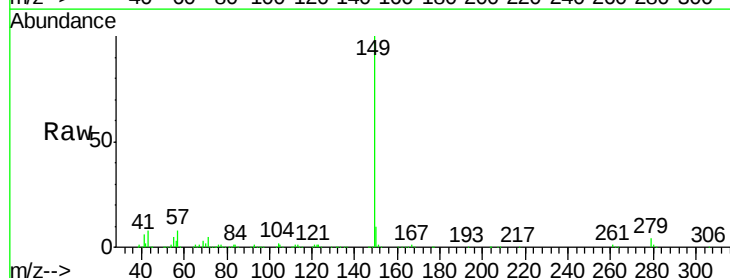
Tgt Ion:149 Resp: 882165

Ion Ratio Lower Upper

149 100

167 1.4 1.0 1.6

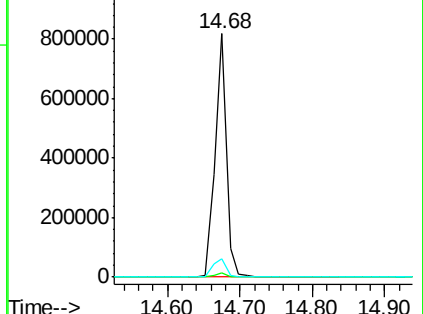
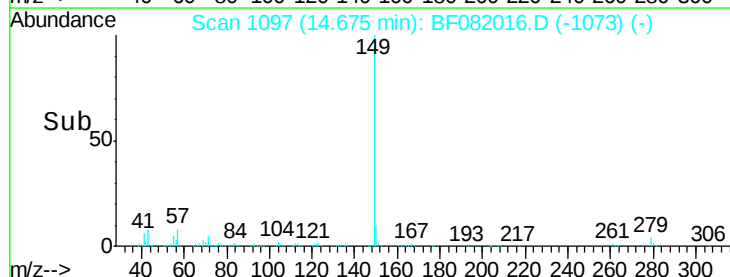
43 9.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

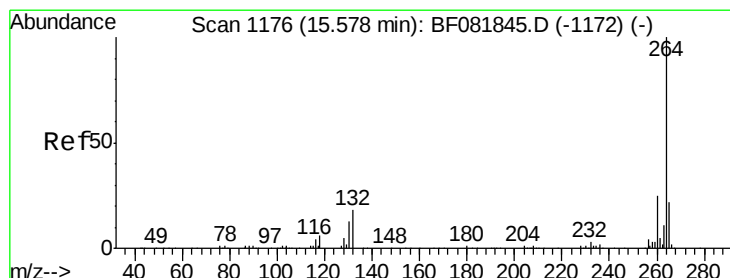
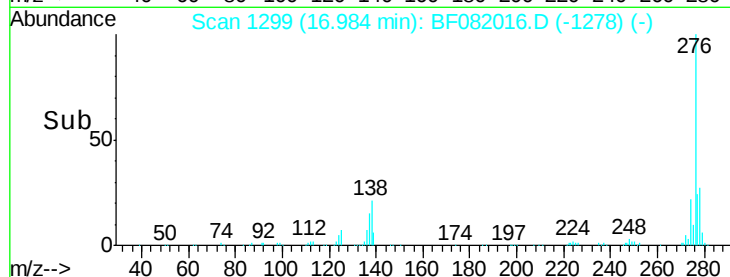
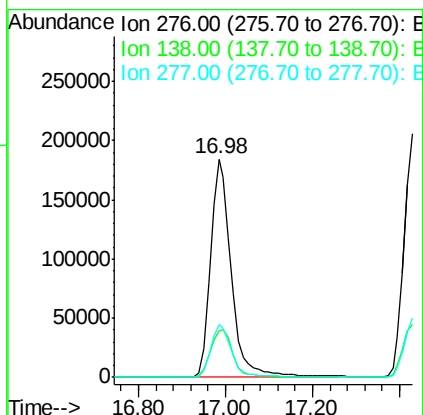
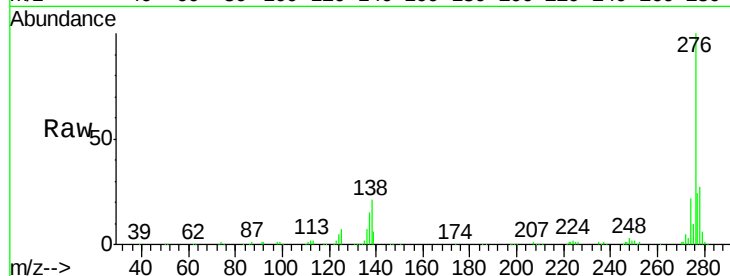




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.49 ng
 RT: 16.98 min Scan# 1299
 Delta R.T. -0.06 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

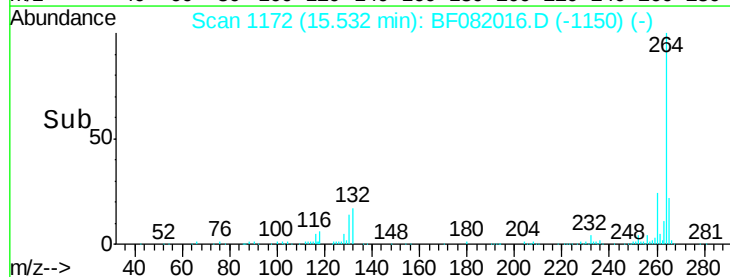
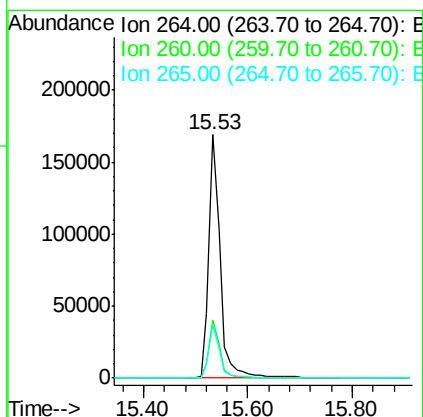
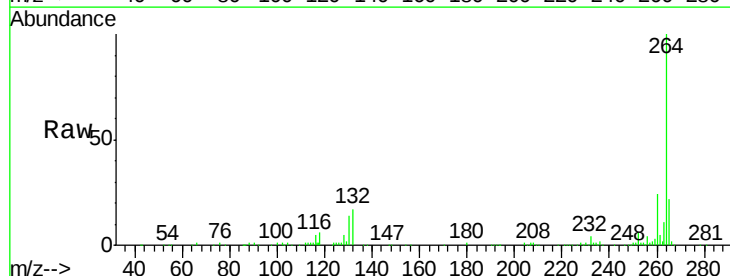
Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

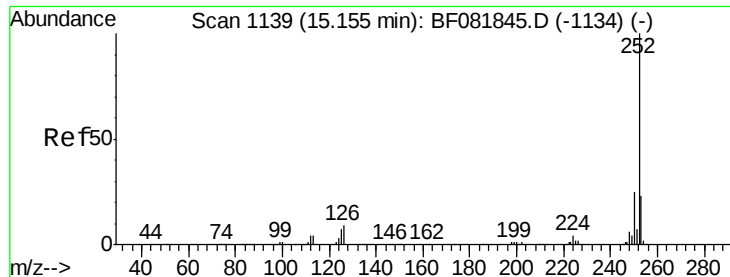
Tgt Ion: 276 Resp: 619040
 Ion Ratio Lower Upper
 276 100
 138 24.4 25.7 38.5#
 277 24.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion: 264 Resp: 258698
 Ion Ratio Lower Upper
 264 100
 260 23.6 16.7 25.1
 265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 91.92 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

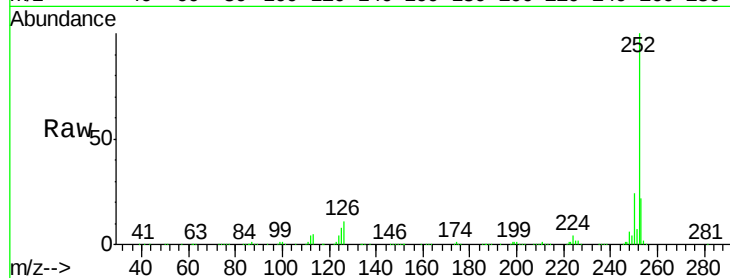
Tgt Ion:252 Resp: 1357596

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

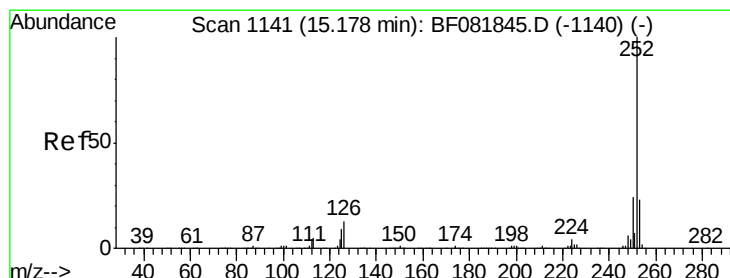
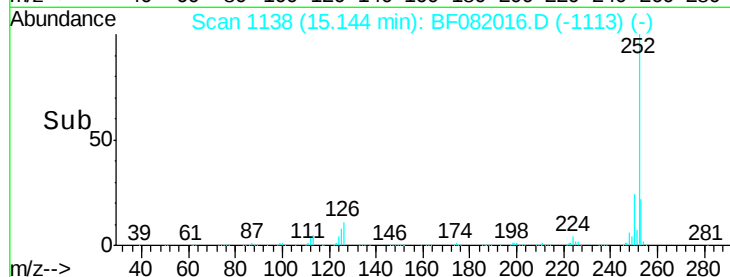
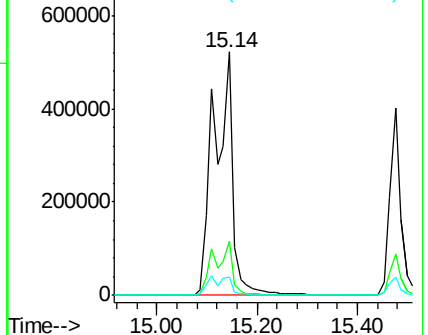
125 7.5 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 100.40 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

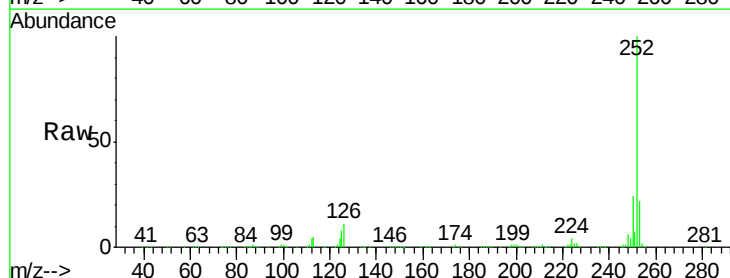
Tgt Ion:252 Resp: 1359101

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

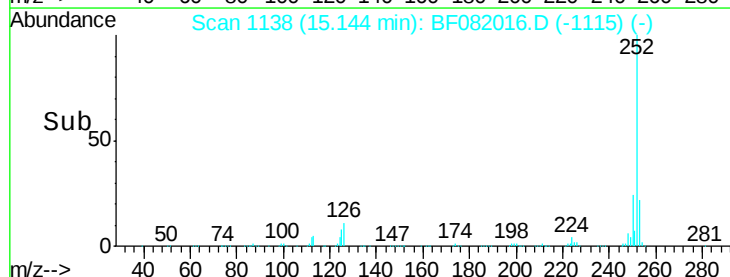
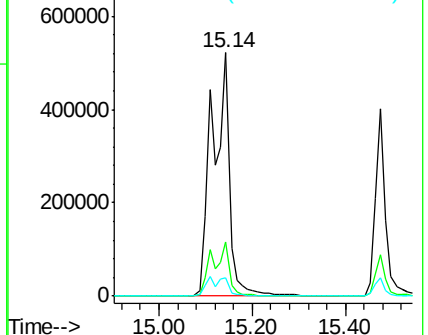
125 7.5 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 48.84 ng

RT: 15.48 min Scan# 1167

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

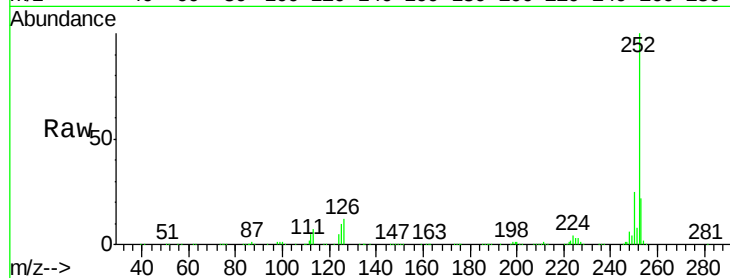
Tgt Ion:252 Resp: 625672

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

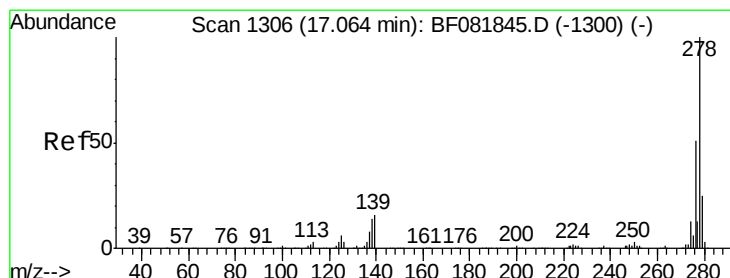
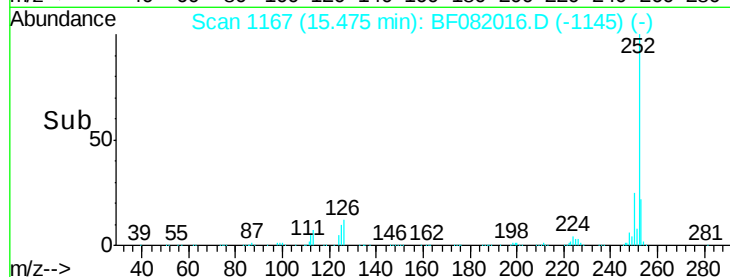
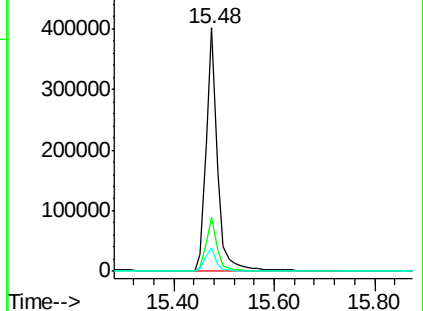
125 9.8 18.0 27.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.87 ng

RT: 17.01 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

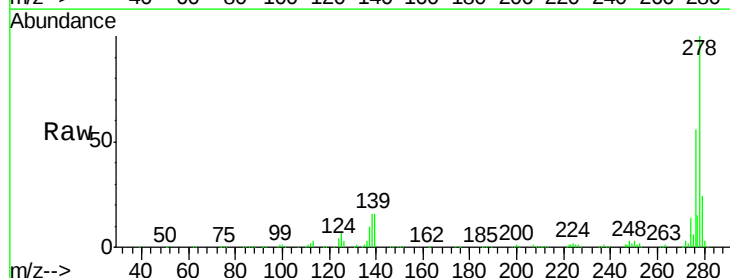
Tgt Ion:278 Resp: 514605

Ion Ratio Lower Upper

278 100

139 15.9 26.3 39.5#

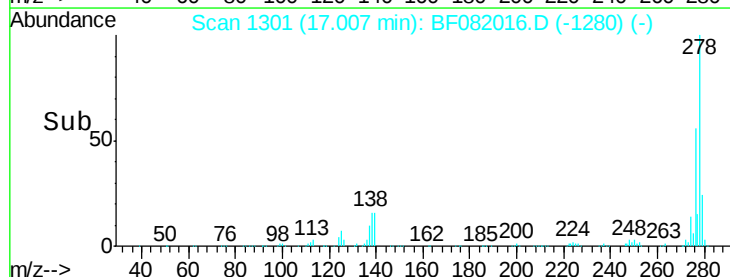
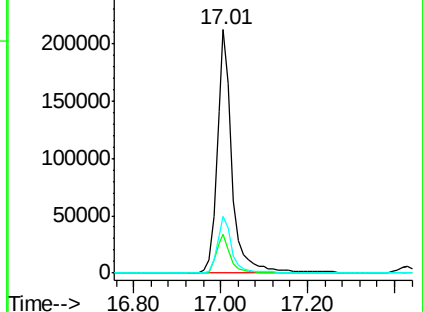
279 23.5 18.2 27.4



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: 45.40 ng

RT: 17.43 min Scan# 1338

Delta R.T. -0.06 min

Lab File: BF082016.D

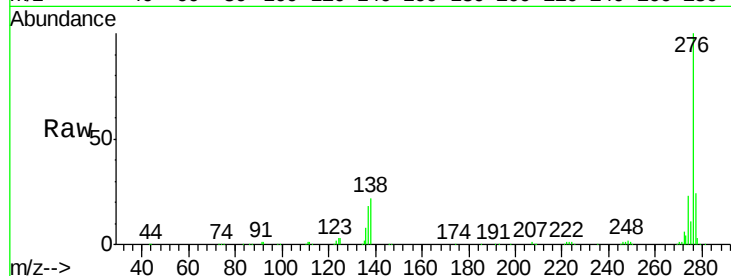
Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD



Tgt Ion:	276	Resp:	500091
Ion Ratio		Lower	Upper
276	100		
277	24.2	17.8	26.6
138	21.6	34.6	51.8#

