

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110815\
 Data File : BF082821.D
 Acq On : 8 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4206-02MSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Quant Time: Nov 09 01:24:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	210933	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	765741	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	376769	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	642525	20.00	ng	0.00
75) Chrysene-d12	14.01	240	409803	20.00	ng	-0.01
86) Perylene-d12	15.44	264	450411	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1535440	113.26	ng	0.03
7) Phenol-d6	6.50	99	1755843	97.42	ng	0.02
23) Nitrobenzene-d5	7.41	82	1495354	84.97	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	417011	96.53	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2058435	78.30	ng	0.00
78) Terphenyl-d14	12.96	244	1541619	89.22	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.65	88	211848	36.22	ng	# 80
3) Pyridine	3.32	79	432886	25.50	ng	96
4) n-Nitrosodimethylamine	3.25	42	296643	35.24	ng	# 76
6) Aniline	6.51	93	315869	12.48	ng	# 1
8) 2-Chlorophenol	6.65	128	545112	36.27	ng	99
9) Benzaldehyde	6.62	77	44954	4.52	ng	83
10) Phenol	6.51	94	658074	32.18	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	592783	38.76	ng	92
12) 1,3-Dichlorobenzene	6.80	146	658408	38.85	ng	# 88
13) 1,4-Dichlorobenzene	6.80	146	658408	37.34	ng	95
14) 1,2-Dichlorobenzene	7.02	146	596625	37.20	ng	97
15) Benzyl Alcohol	7.00	79	618377	39.07	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.14	45	935424	41.70	ng	95
17) 2-Methylphenol	7.12	107	467751	36.75	ng	99
18) Hexachloroethane	7.37	117	225298	35.72	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	495798	37.42	ng	# 88
20) 3+4-Methylphenols	7.28	107	606776	36.66	ng	# 66
22) Acetophenone	7.26	105	834714	38.04	ng	# 93
24) Nitrobenzene	7.44	77	714135	39.68	ng	92
25) Isophorone	7.68	82	1227477	37.70	ng	98
26) 2-Nitrophenol	7.76	139	317854	42.31	ng	# 68
27) 2,4-Dimethylphenol	7.80	122	568199	42.10	ng	93
28) bis(2-Chloroethoxy)methane	7.89	93	801539	43.64	ng	99
29) 2,4-Dichlorophenol	8.00	162	473445	38.81	ng	84
30) 1,2,4-Trichlorobenzene	8.09	180	526604	38.39	ng	# 93
31) Naphthalene	8.16	128	1565783	37.06	ng	99
32) Benzoic acid	7.93	122	338511	36.63	ng	89
33) 4-Chloroaniline	8.20	127	147344	8.09	ng	96
34) Hexachlorobutadiene	8.28	225	312932	36.45	ng	98
35) Caprolactam	8.58	113	135275	35.17	ng	# 70
36) 4-Chloro-3-methylphenol	8.70	107	565052	39.39	ng	# 81
37) 2-Methylnaphthalene	8.85	142	1047591	38.33	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	543451	43.89	ng	98
40) Hexachlorocyclopentadiene	9.01	237	294060	44.21	ng	98

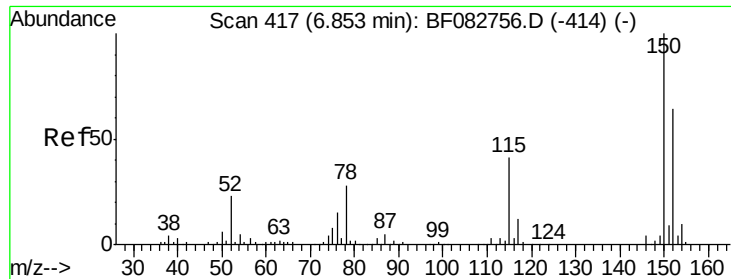
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110815\
 Data File : BF082821.D
 Acq On : 8 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4206-02MSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Quant Time: Nov 09 01:24:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	352423	38.13	ng	99
43) 2,4,5-Trichlorophenol	9.14	196	352423	38.56	ng	# 84
45) 1,1'-Biphenyl	9.32	154	1376028	42.56	ng	99
46) 2-Chloronaphthalene	9.34	162	1049700	41.62	ng	100
47) 2-Nitroaniline	9.44	65	411244	43.96	ng	# 81
48) Acenaphthylene	9.76	152	1516516	38.37	ng	100
49) Dimethylphthalate	9.62	163	1139960	36.93	ng	100
50) 2,6-Dinitrotoluene	9.68	165	241512	36.67	ng	95
51) Acenaphthene	9.93	154	974044	38.89	ng	99
52) 3-Nitroaniline	9.84	138	146542	20.23	ng	94
53) 2,4-Dinitrophenol	9.95	184	132737	36.71	ng	# 12
54) Dibenzofuran	10.10	168	1323628	39.19	ng	94
55) 4-Nitrophenol	10.02	139	379412	68.27	ng	85
56) 2,4-Dinitrotoluene	10.08	165	324872	36.35	ng	91
57) Fluorene	10.44	166	1020758	37.32	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	272667	36.55	ng	# 88
59) Diethylphthalate	10.32	149	1172943	38.92	ng	97
60) 4-Chlorophenyl-phenylether	10.43	204	498171	36.40	ng	# 78
61) 4-Nitroaniline	10.45	138	200271	27.49	ng	# 85
62) Azobenzene	10.59	77	1290186	39.85	ng	89
64) 4,6-Dinitro-2-methylphenol	10.49	198	103566	22.62	ng	90
65) n-Nitrosodiphenylamine	10.56	169	993299	42.79	ng	99
66) 4-Bromophenyl-phenylether	10.92	248	291867	37.72	ng	# 73
67) Hexachlorobenzene	10.99	284	320046	37.05	ng	# 84
68) Atrazine	11.08	200	257522	35.88	ng	98
69) Pentachlorophenol	11.18	266	336744	64.19	ng	99
70) Phenanthrene	11.40	178	1505624	40.35	ng	99
71) Anthracene	11.45	178	1399025	35.59	ng	99
72) Carbazole	11.61	167	1359465	39.51	ng	98
73) Di-n-butylphthalate	11.95	149	1734319	40.46	ng	# 96
74) Fluoranthene	12.59	202	1386491	34.63	ng	95
76) Benzidine	12.71	184	250817	18.26	ng	98
77) Pyrene	12.81	202	1319874	46.90	ng	98
79) Butylbenzylphthalate	13.44	149	599935	48.25	ng	99
80) Benzo(a)anthracene	14.00	228	1110978	43.35	ng	97
81) 3,3'-Dichlorobenzidine	13.96	252	339229	37.24	ng	99
82) Chrysene	14.04	228	1134167	48.32	ng	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	826966	48.60	ng	# 97
84) Di-n-octyl phthalate	14.61	149	1335876	47.06	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	1009565	49.94	ng	97
87) Benzo(b)fluoranthene	15.06	252	2060145	71.26	ng	# 97
88) Benzo(k)fluoranthene	15.06	252	2060145	80.33	ng	# 97
89) Benzo(a)pyrene	15.38	252	994682	39.71	ng	99
90) Dibenzo(a,h)anthracene	16.85	278	861295	40.61	ng	98
91) Benzo(g,h,i)perylene	17.25	276	793305	39.05	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

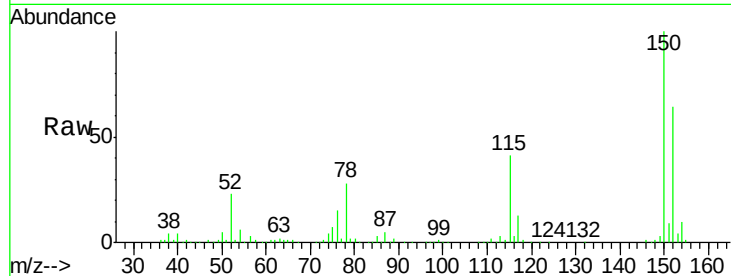
Tgt Ion: 152 Resp: 210933

Ion Ratio Lower Upper

152 100

150 156.2 127.0 190.4

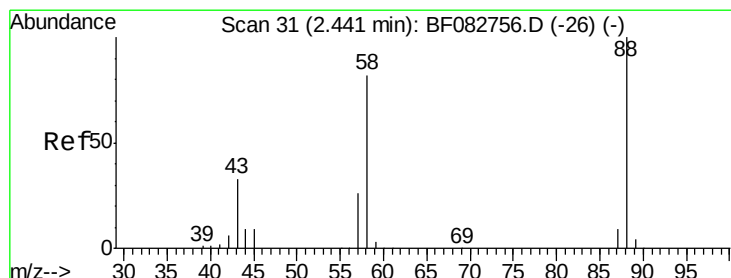
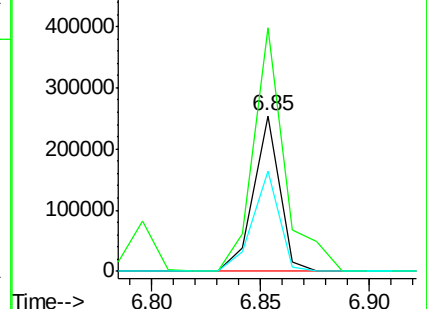
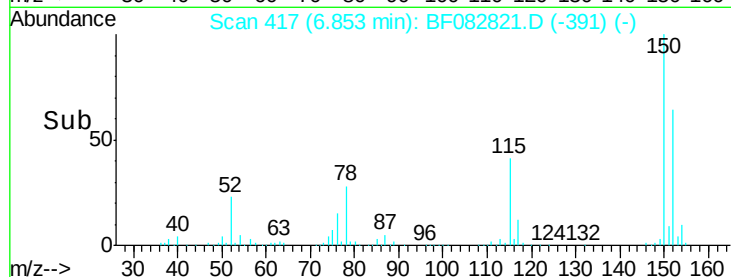
115 64.1 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.22 ng

RT: 2.65 min Scan# 49

Delta R.T. 0.21 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

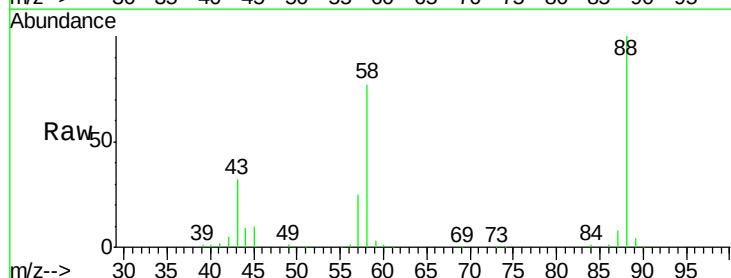
Tgt Ion: 88 Resp: 211848

Ion Ratio Lower Upper

88 100

58 80.6 62.0 93.0

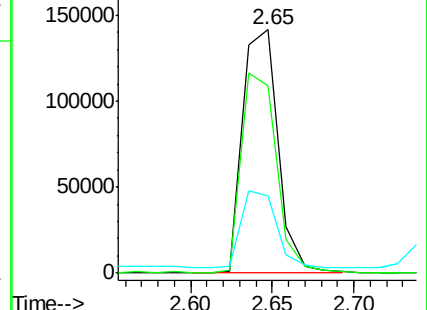
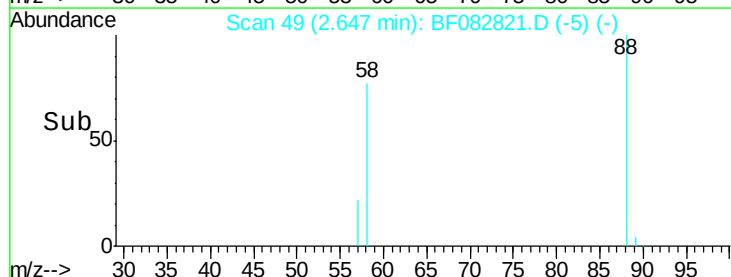
43 0.0 26.6 40.0#

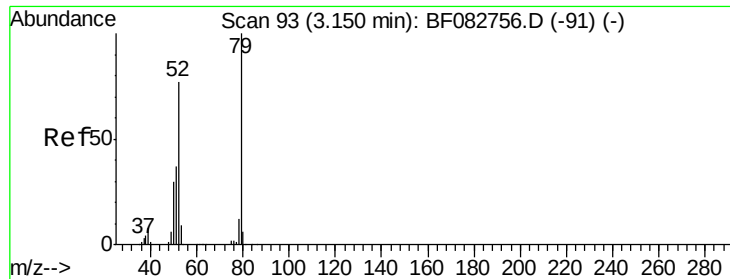


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.50 ng

RT: 3.32 min Scan# 108

Delta R.T. 0.16 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

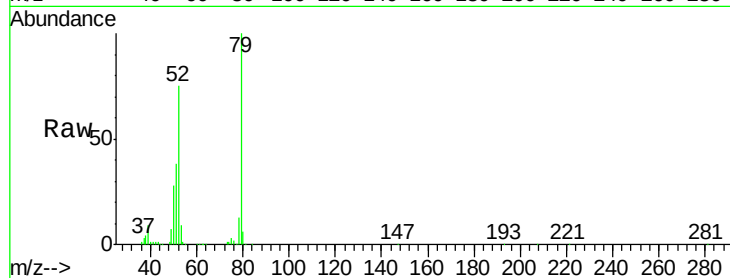
Tgt Ion: 79 Resp: 432886

Ion Ratio Lower Upper

79 100

52 75.2 62.8 94.2

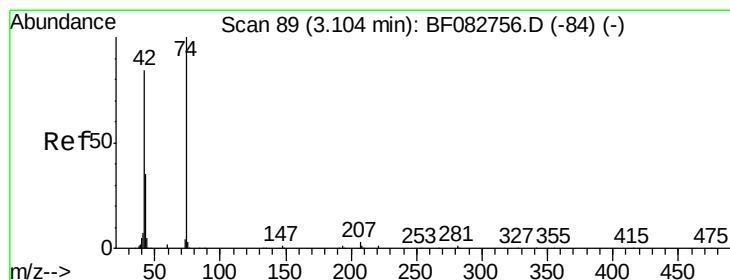
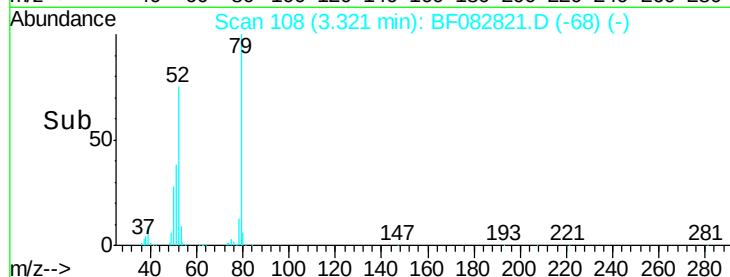
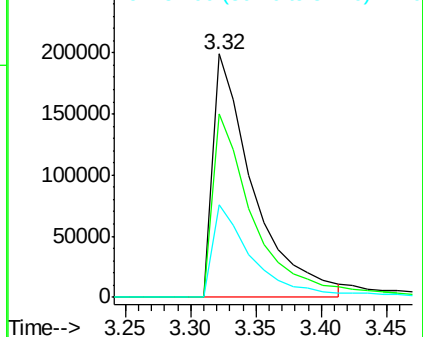
51 37.9 32.0 48.0



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: 35.24 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.16 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

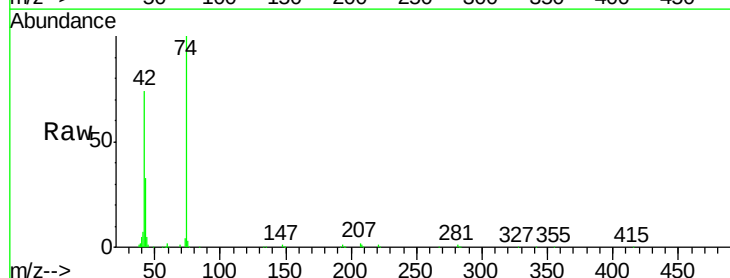
Tgt Ion: 42 Resp: 296643

Ion Ratio Lower Upper

42 100

74 135.3 87.0 130.4#

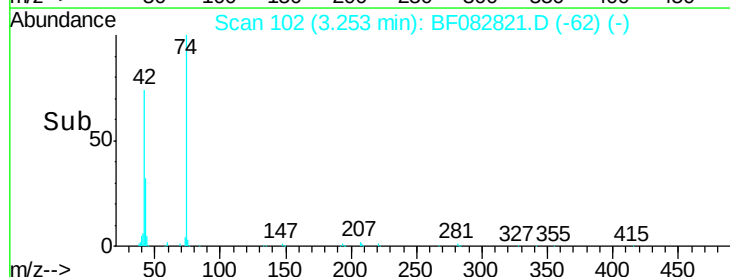
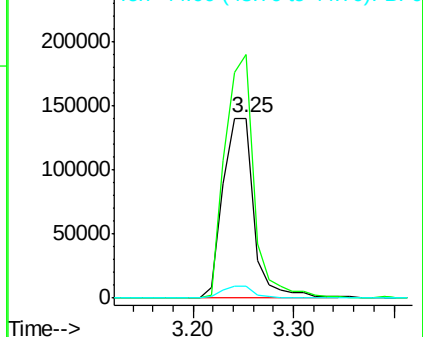
44 6.7 5.8 8.8

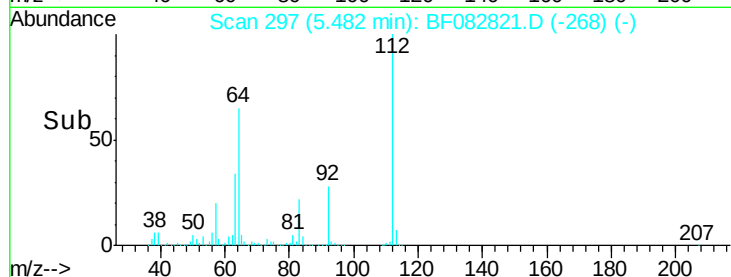
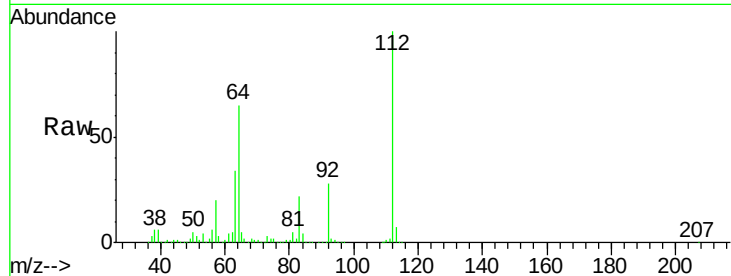
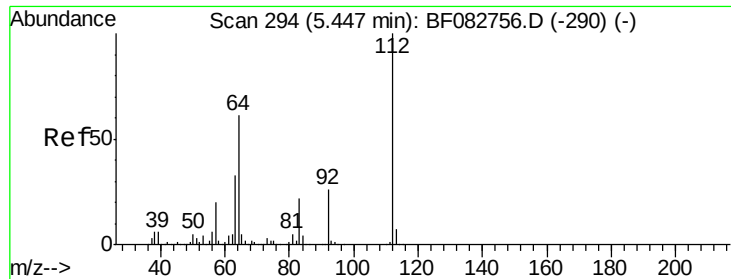


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0

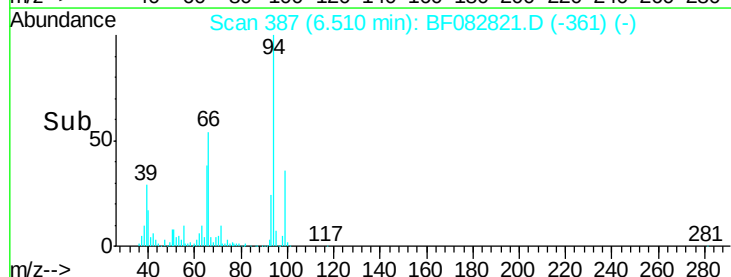
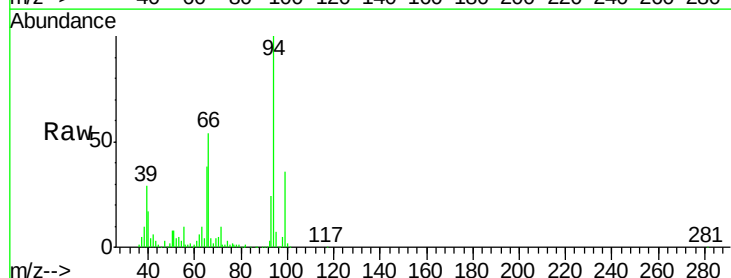
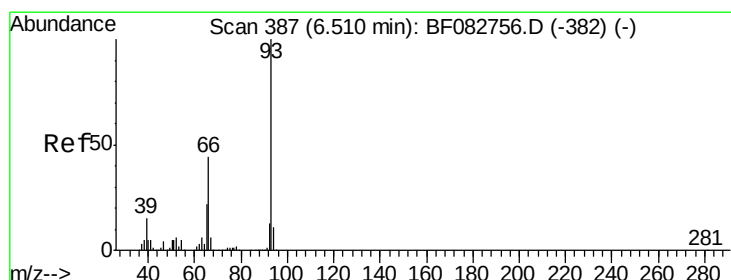
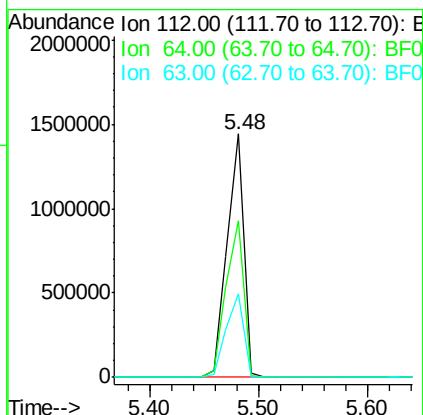




#5
2-Fluorophenol
Concen: 113.26 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.03 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

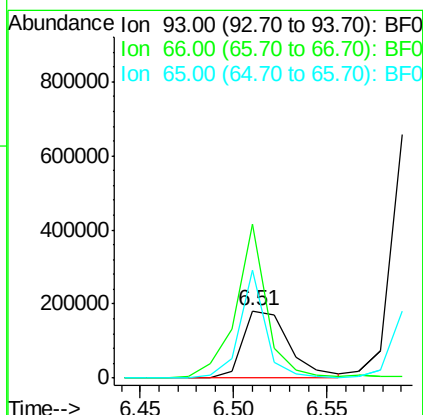
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

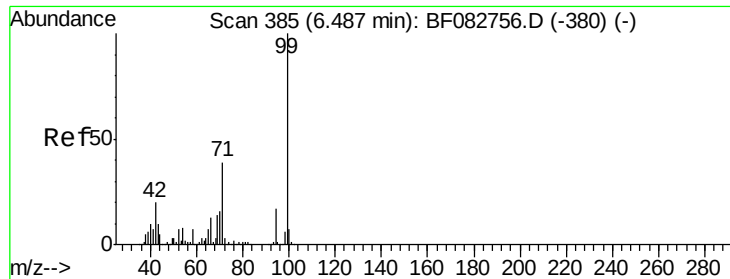
Tgt Ion:112 Resp: 1535440
Ion Ratio Lower Upper
112 100
64 64.5 48.9 73.3
63 34.1 28.1 42.1



#6
Aniline
Concen: 12.48 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion: 93 Resp: 315869
Ion Ratio Lower Upper
93 100
66 229.3 33.6 50.4#
65 160.7 18.1 27.1#





#7

Phenol-d6

Concen: 97.42 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

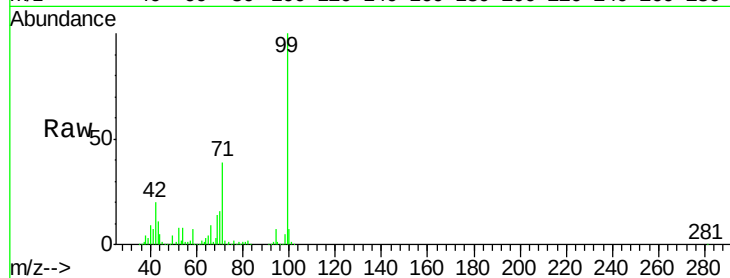
Tgt Ion: 99 Resp: 1755843

Ion Ratio Lower Upper

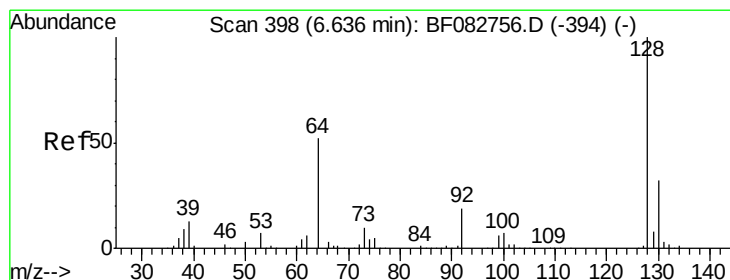
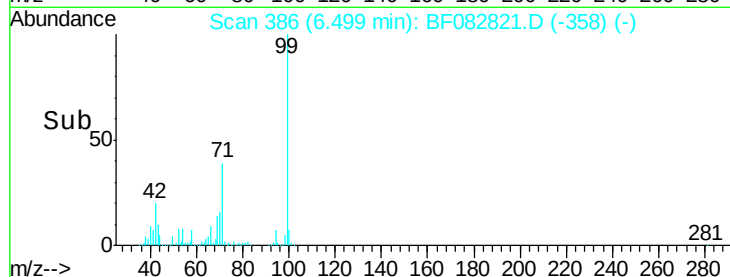
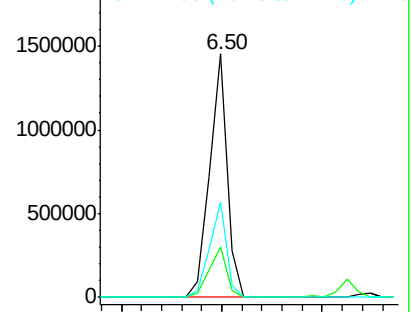
99 100

42 20.5 19.2 28.8

71 38.8 35.0 52.4



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: 36.27 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

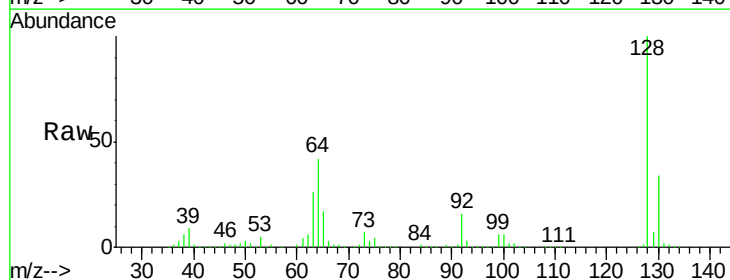
Tgt Ion: 128 Resp: 545112

Ion Ratio Lower Upper

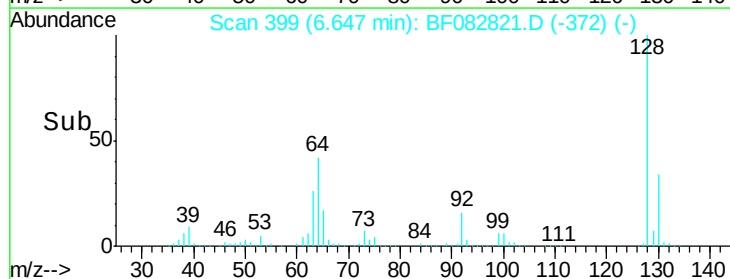
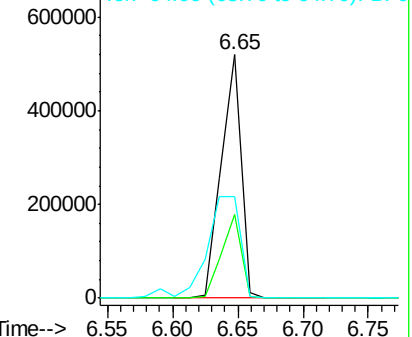
128 100

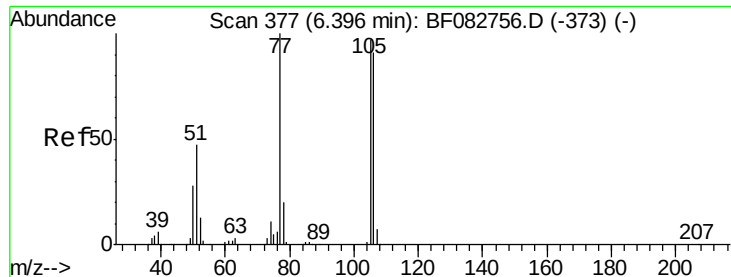
130 34.4 13.5 53.5

64 41.5 21.1 61.1



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: 4.52 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.23 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

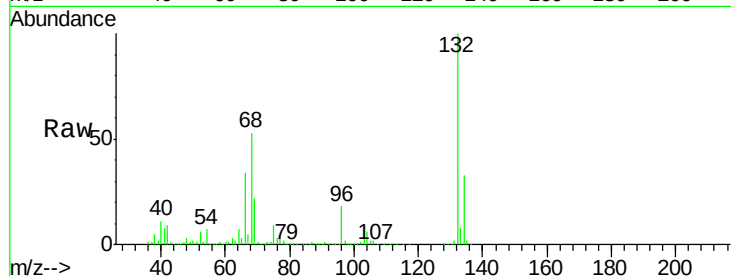
Tgt Ion: 77 Resp: 44954

Ion Ratio Lower Upper

77 100

105 71.6 63.5 103.5

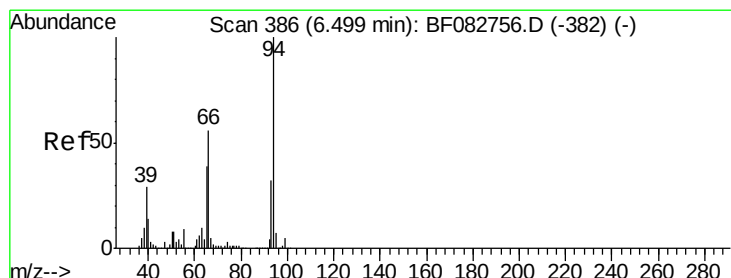
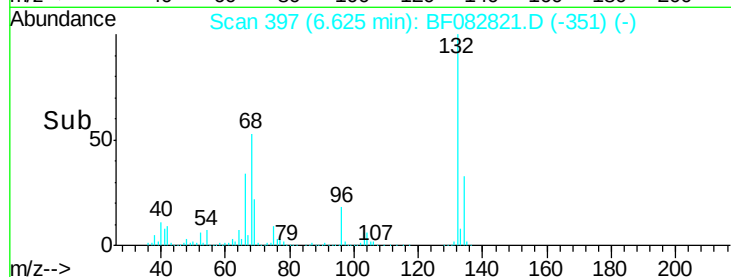
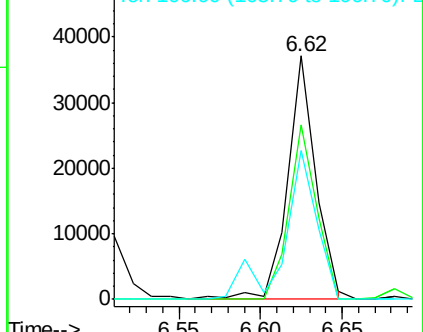
106 60.9 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 32.18 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

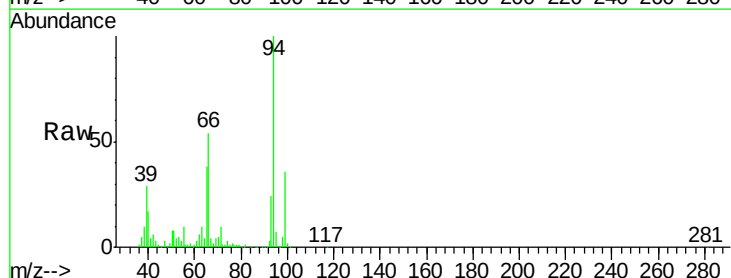
Tgt Ion: 94 Resp: 658074

Ion Ratio Lower Upper

94 100

65 37.9 18.9 58.9

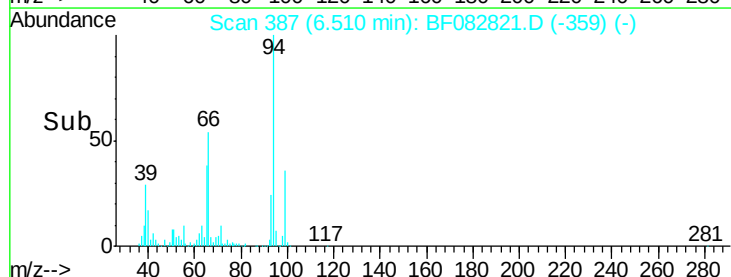
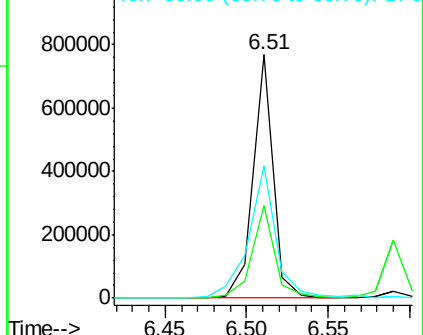
66 54.1 34.9 74.9

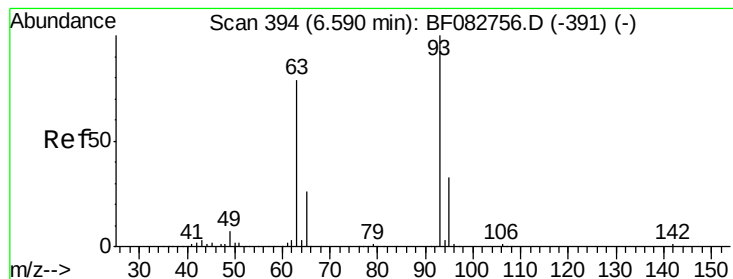


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 38.76 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

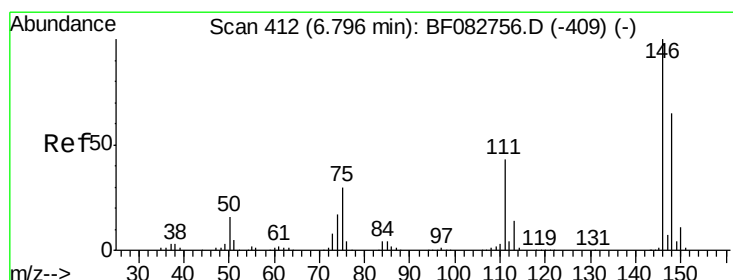
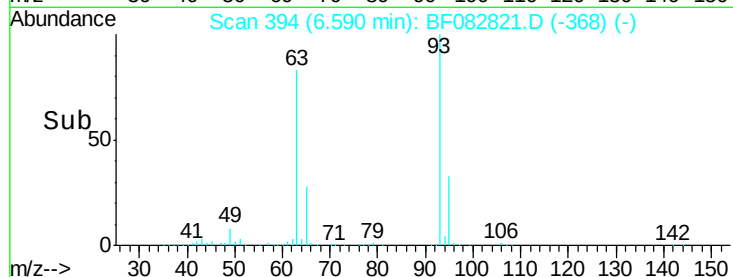
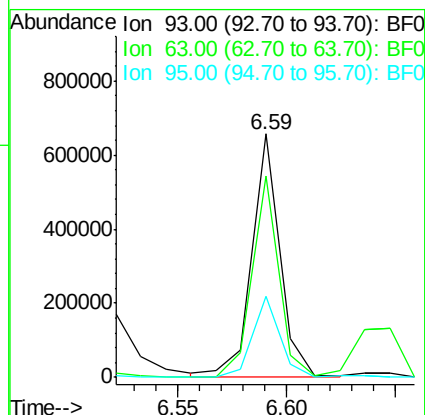
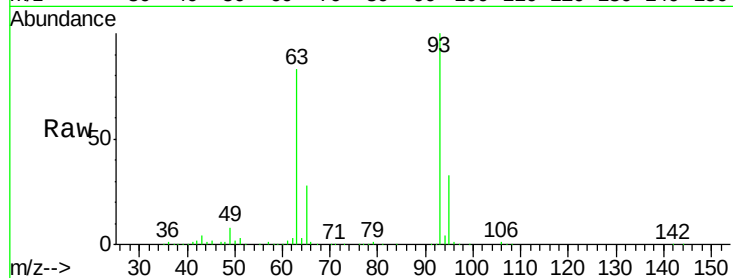
Tgt Ion: 93 Resp: 592783

Ion Ratio Lower Upper

93 100

63 82.8 72.7 112.7

95 33.2 12.0 52.0



#12

1,3-Dichlorobenzene

Concen: 38.85 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

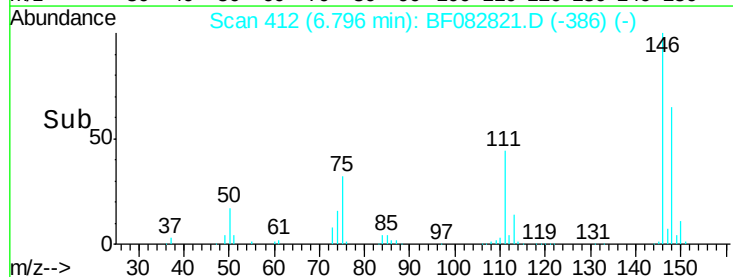
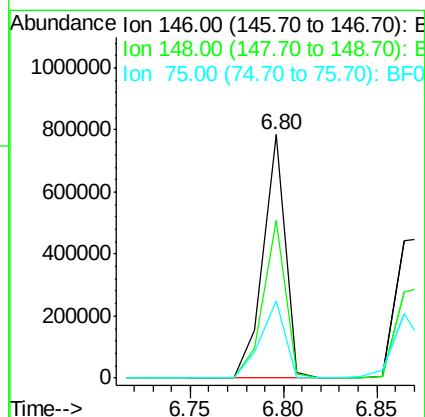
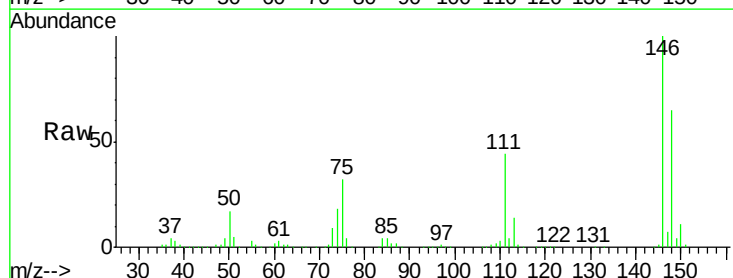
Tgt Ion: 146 Resp: 658408

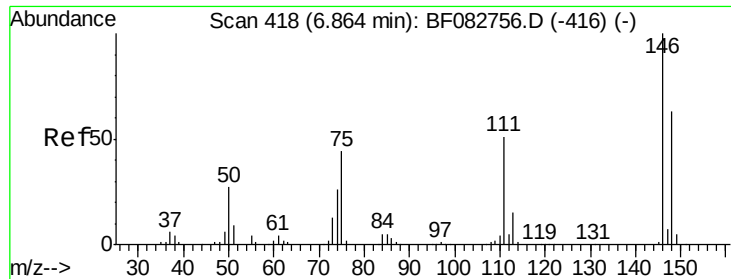
Ion Ratio Lower Upper

146 100

148 64.8 50.5 75.7

75 31.8 39.5 59.3#

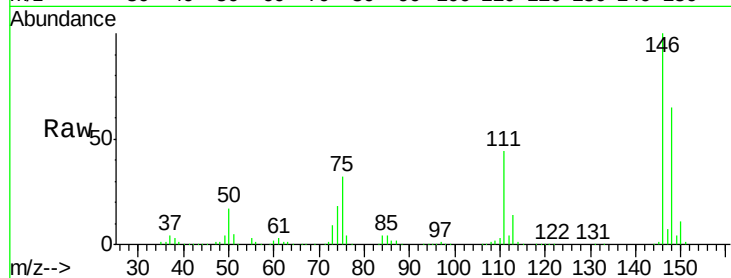




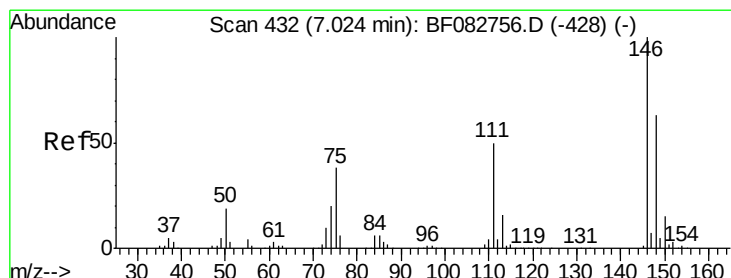
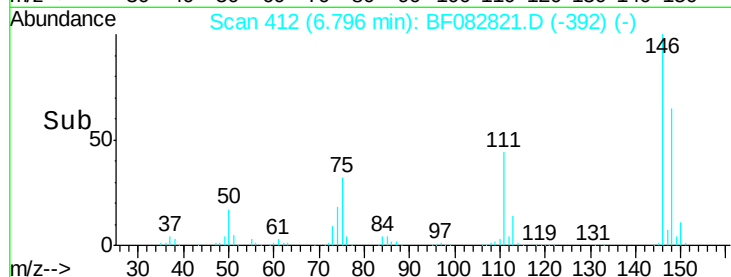
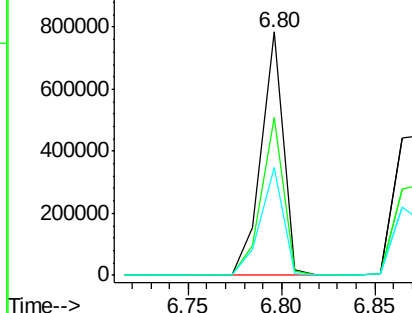
#13
 1,4-Dichlorobenzene
 Concen: 37.34 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.07 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:146 Resp: 658408
 Ion Ratio Lower Upper
 146 100
 148 64.8 50.8 76.2
 111 44.1 40.6 60.8

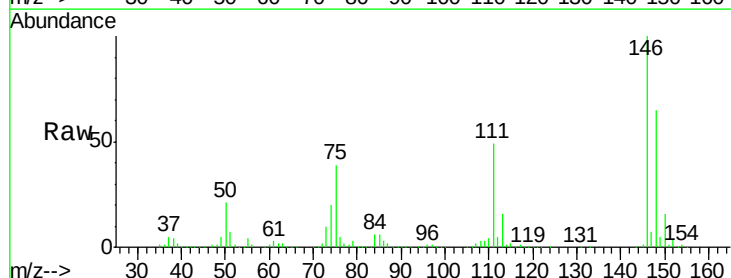


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

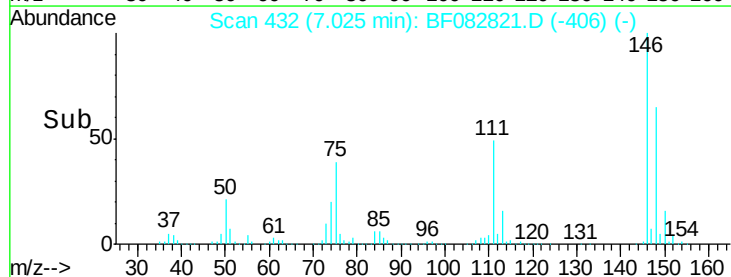
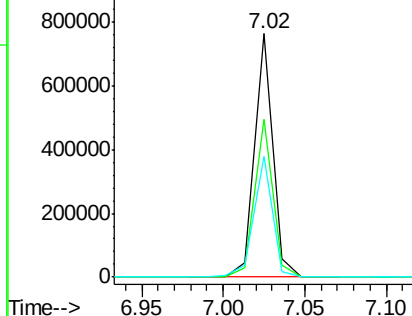


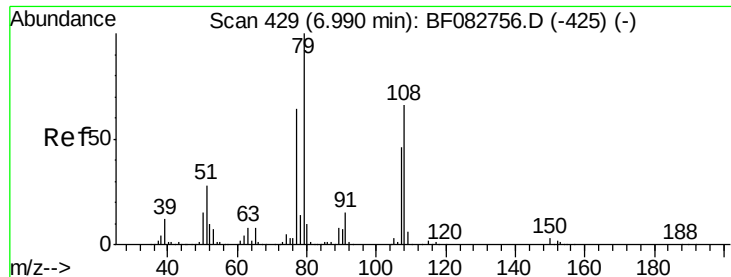
#14
 1,2-Dichlorobenzene
 Concen: 37.20 ng
 RT: 7.02 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:146 Resp: 596625
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.2 78.4
 111 49.5 36.6 55.0



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





#15

Benzyl Alcohol

Concen: 39.07 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

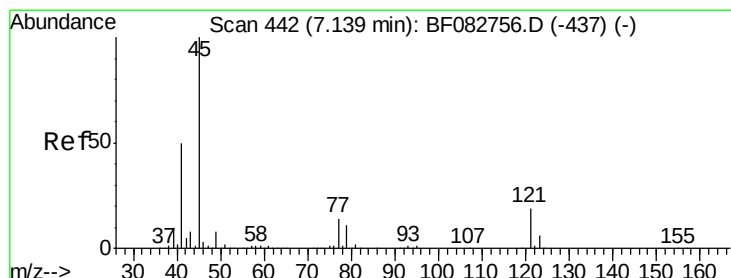
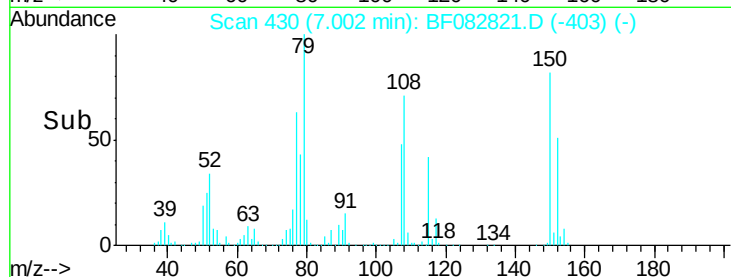
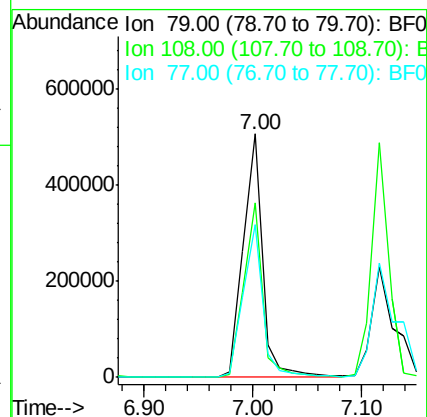
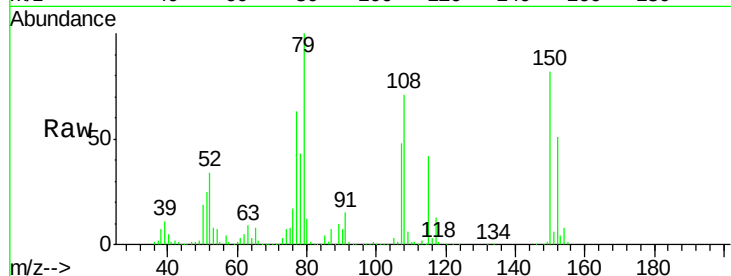
Tgt Ion: 79 Resp: 618377

Ion Ratio Lower Upper

79 100

108 71.5 52.2 78.4

77 62.6 52.7 79.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.70 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

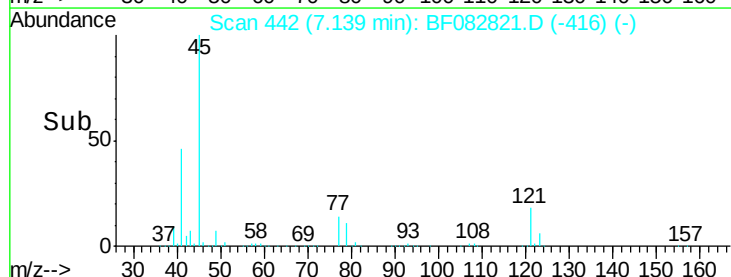
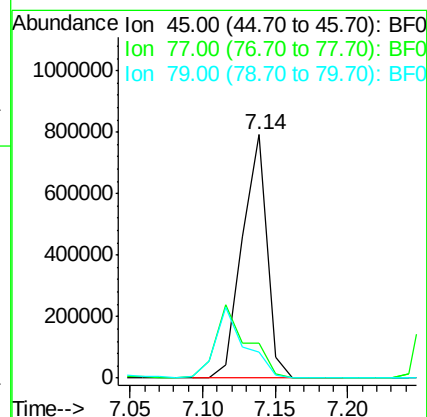
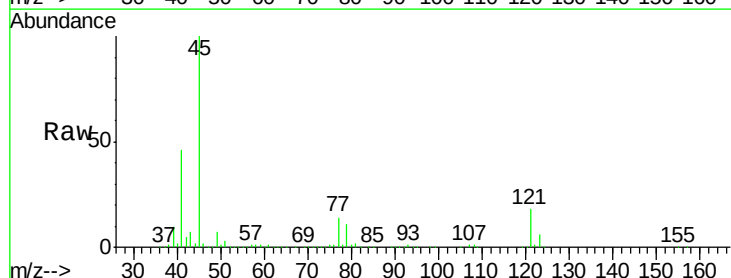
Tgt Ion: 45 Resp: 935424

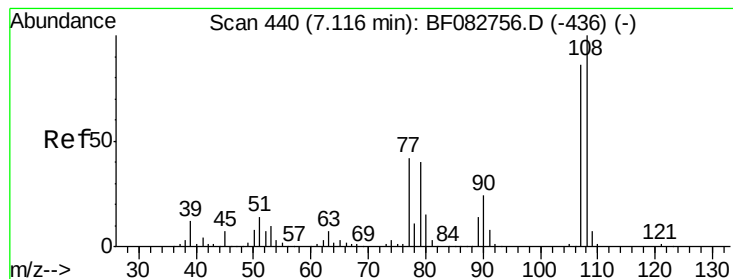
Ion Ratio Lower Upper

45 100

77 14.5 0.0 32.6

79 10.8 0.0 29.2





#17

2-Methylphenol

Concen: 36.75 ng

RT: 7.12 min Scan# 440

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

Tgt Ion:107 Resp: 467751

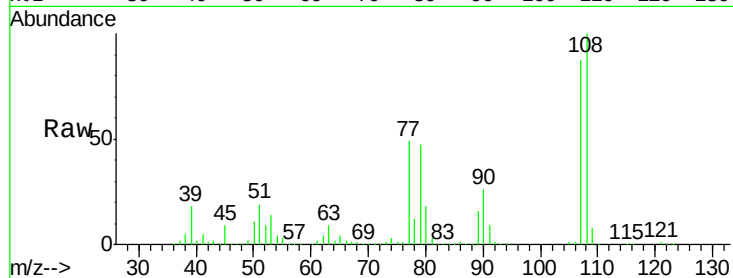
Ion Ratio Lower Upper

107 100

108 114.8 93.0 139.4

77 56.0 44.1 66.1

79 54.1 43.6 65.4

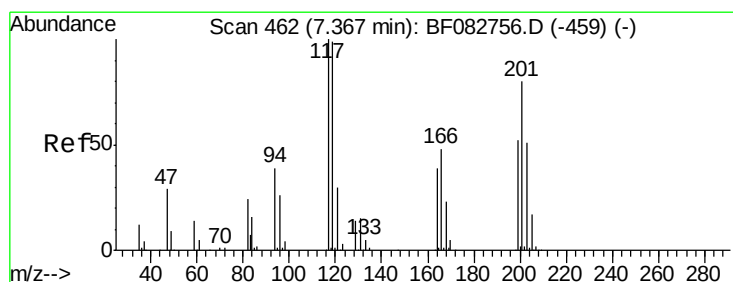
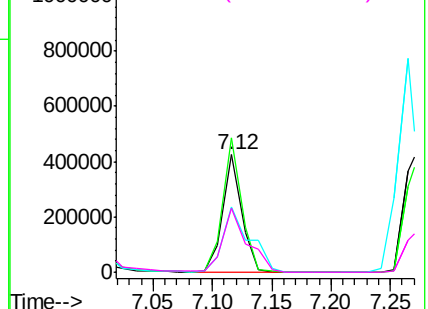
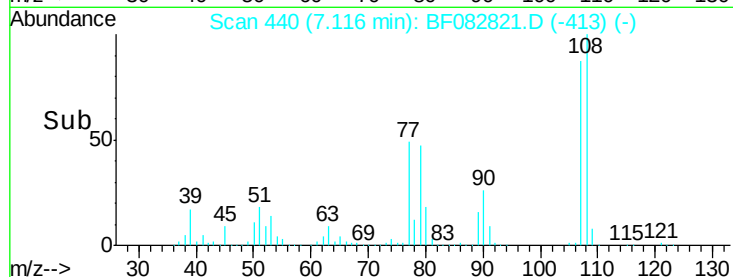


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 35.72 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

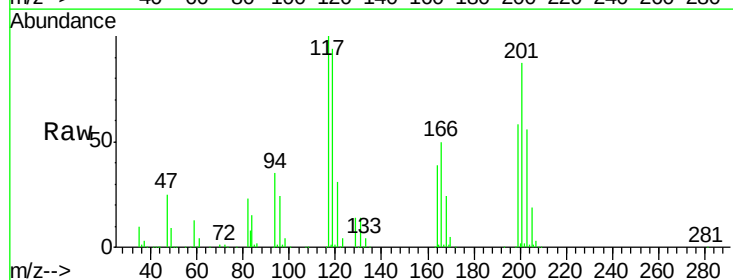
Tgt Ion:117 Resp: 225298

Ion Ratio Lower Upper

117 100

119 93.8 77.7 116.5

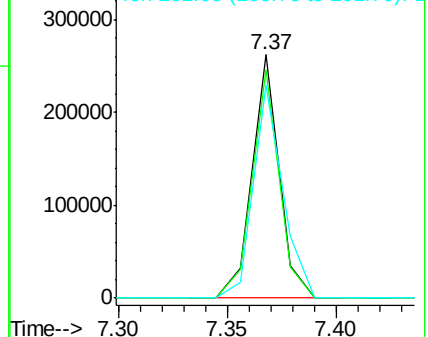
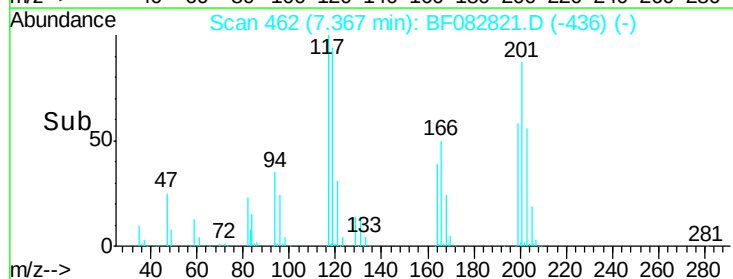
201 87.5 66.7 100.1

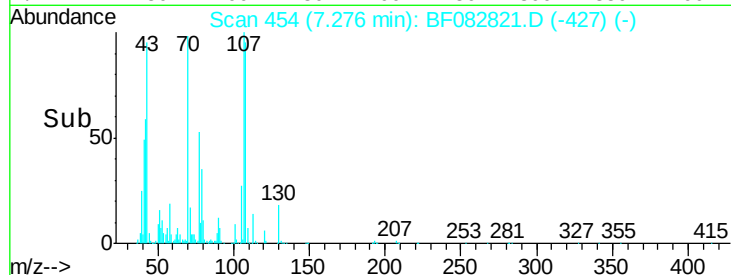
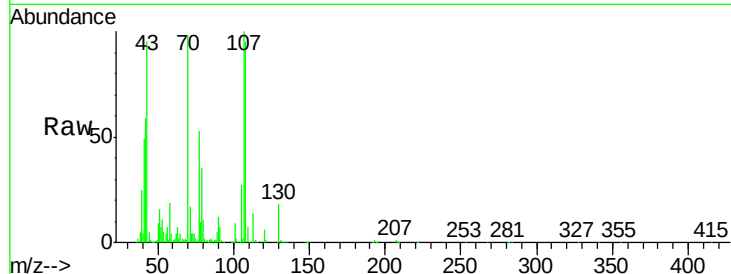
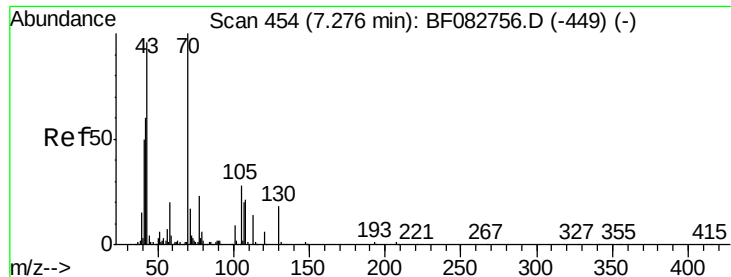


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

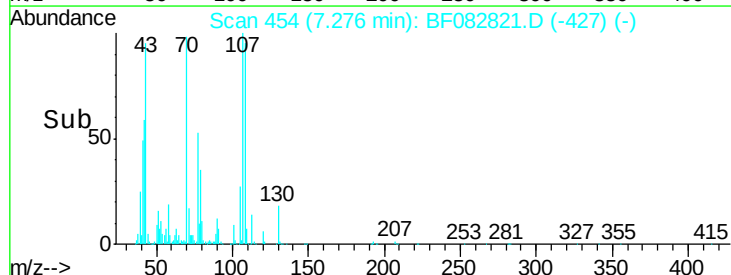
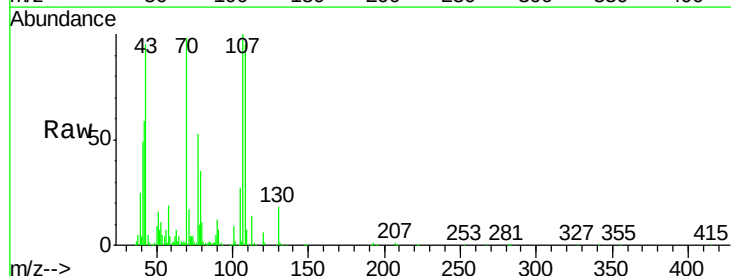
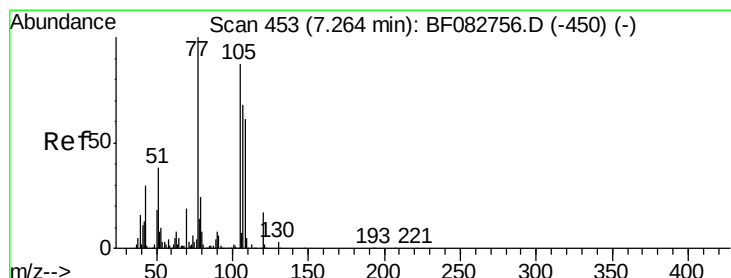
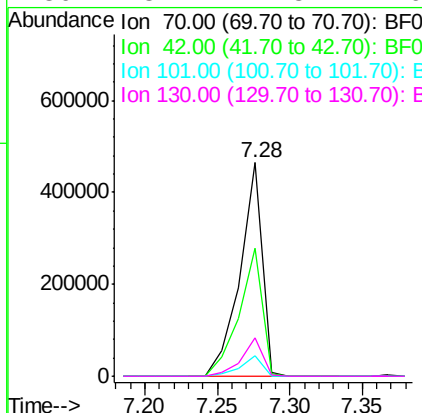




#19
n-Nitroso-di-n-propylamine
Concen: 37.42 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

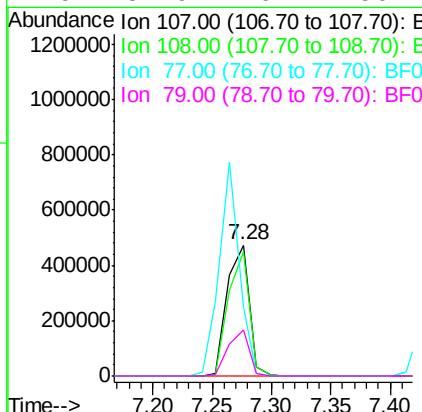
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

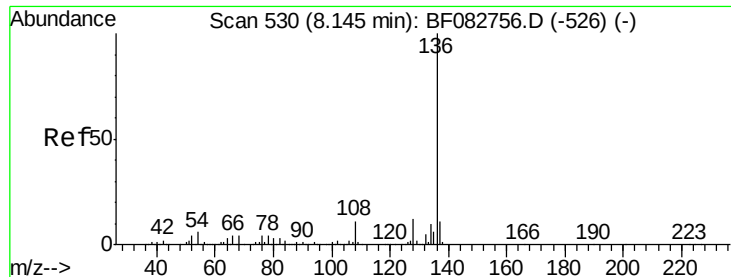
Tgt Ion: 70 Resp: 495798
Ion Ratio Lower Upper
70 100
42 59.9 57.7 86.5
101 9.4 7.0 10.6
130 18.1 11.8 17.6#



#20
3+4-Methylphenols
Concen: 36.66 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion: 107 Resp: 606776
Ion Ratio Lower Upper
107 100
108 95.4 67.3 107.3
77 52.5 100.3 140.3#
79 34.9 16.2 56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tgt Ion:136 Resp: 765741

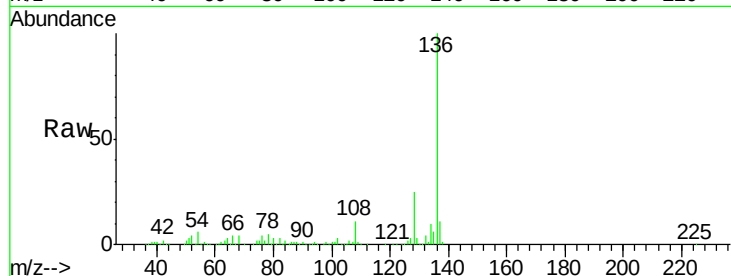
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.9 9.1 13.7#

68 4.4 4.8 7.2#

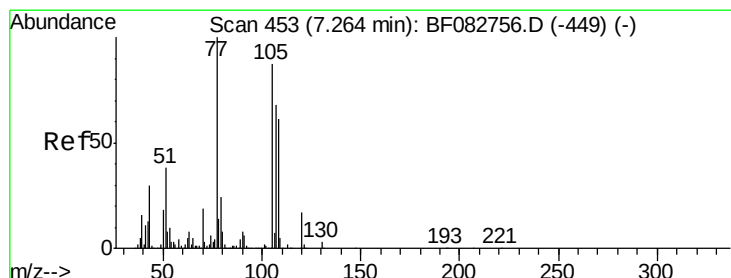
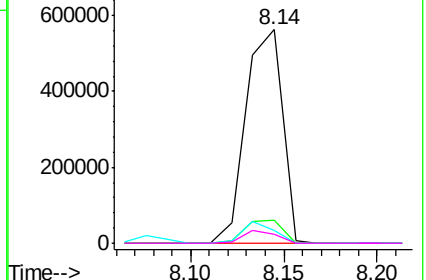
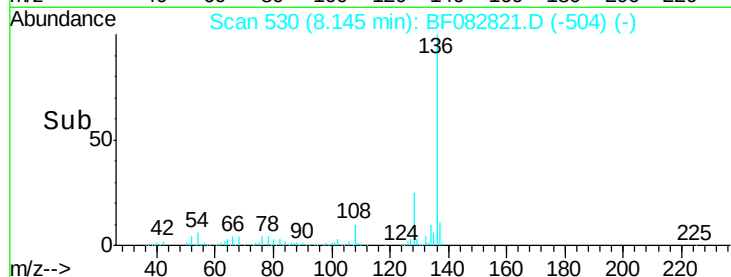


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 38.04 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:105 Resp: 834714

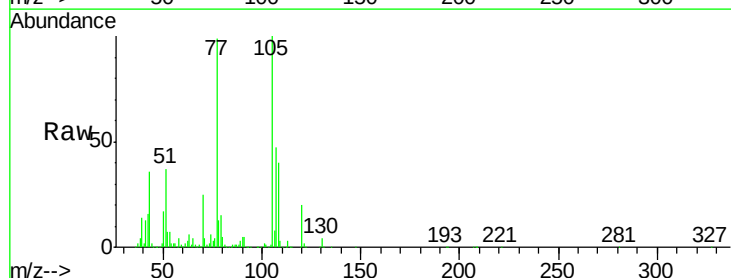
Ion Ratio Lower Upper

105 100

71 4.0 5.6 8.4#

51 37.1 24.9 37.3

120 20.4 15.8 23.8

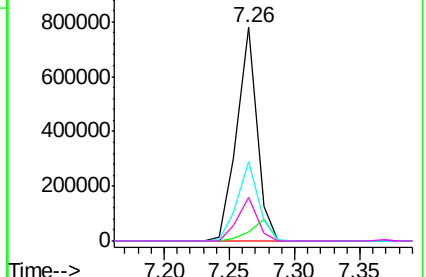
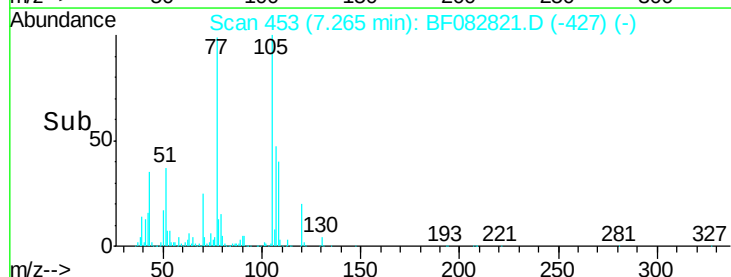


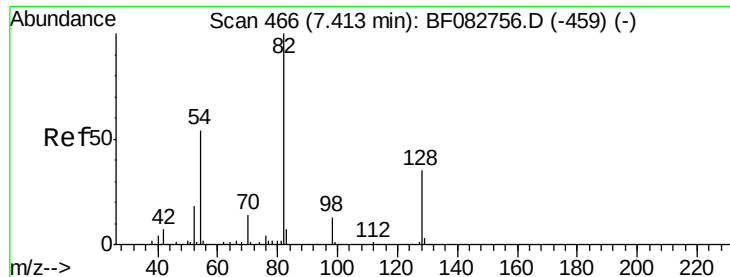
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

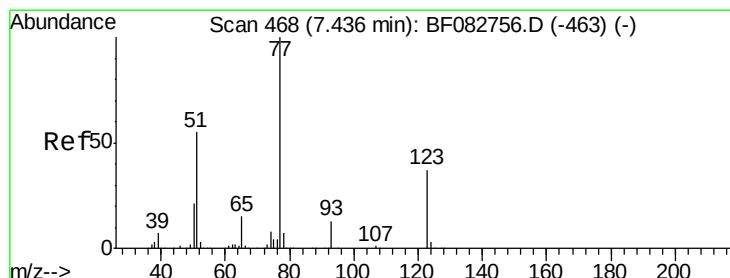
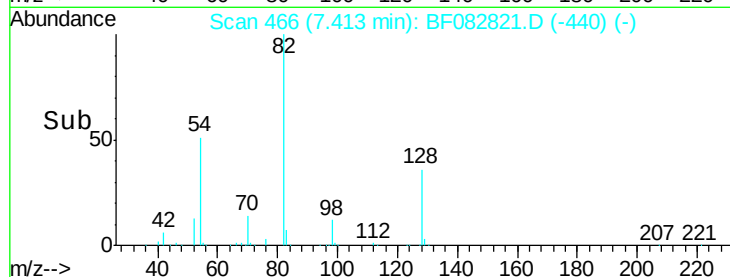
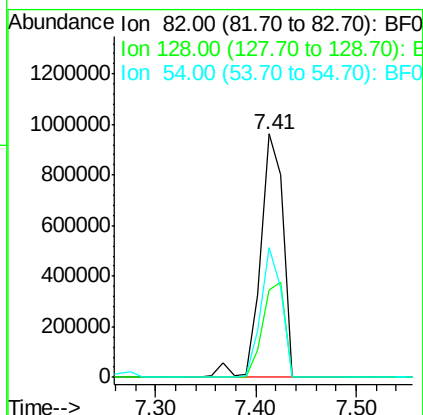
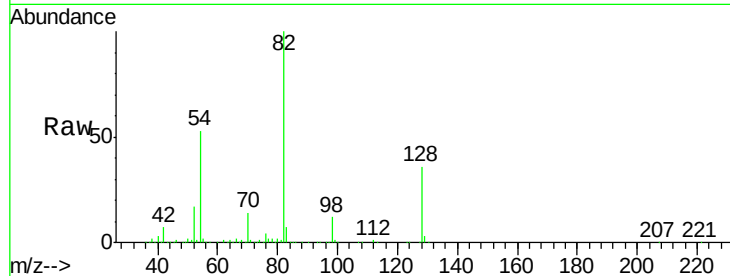




#23
 Nitrobenzene-d5
 Concen: 84.97 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

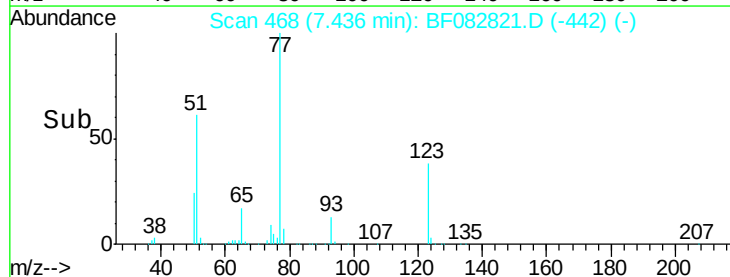
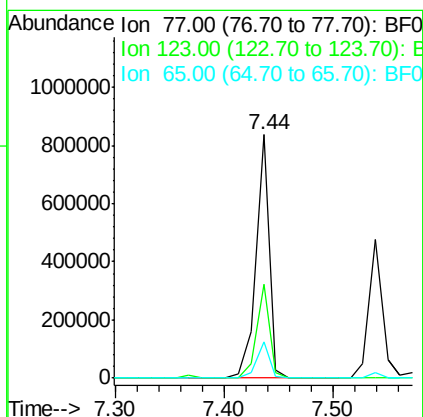
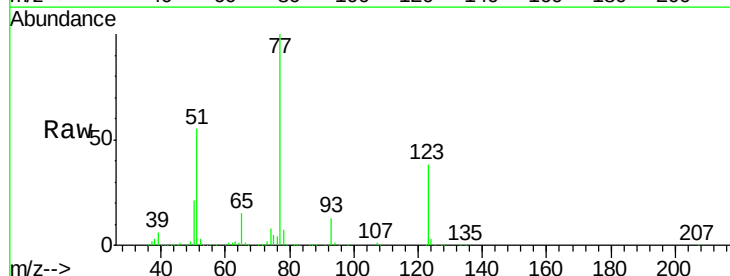
Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

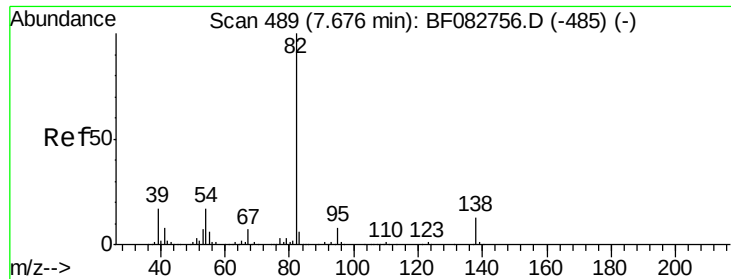
Tgt Ion: 82 Resp: 1495354
 Ion Ratio Lower Upper
 82 100
 128 35.9 26.8 40.2
 54 53.2 45.7 68.5



#24
 Nitrobenzene
 Concen: 39.68 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion: 77 Resp: 714135
 Ion Ratio Lower Upper
 77 100
 123 38.5 36.4 54.6
 65 14.9 11.5 17.3

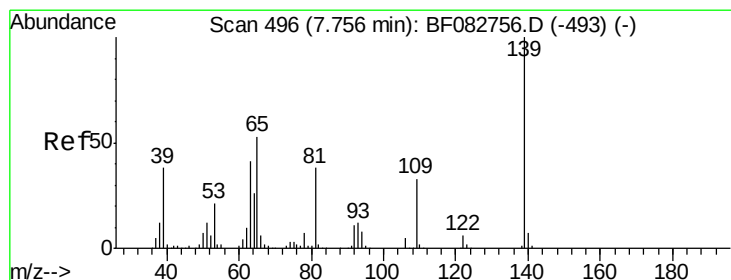
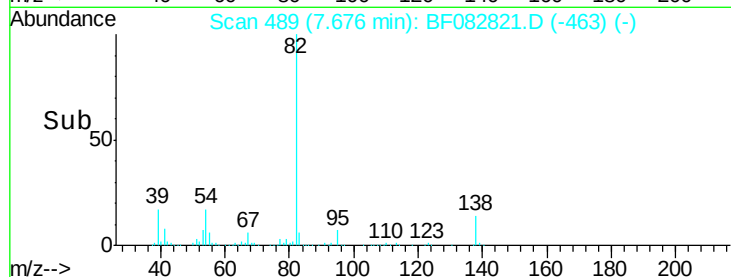
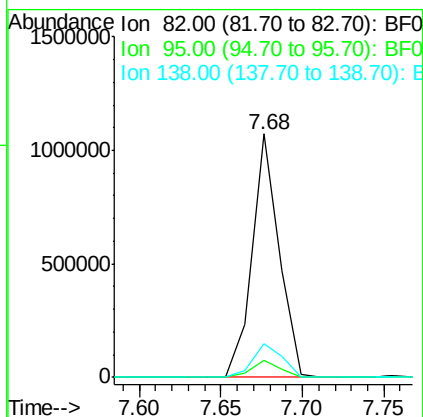
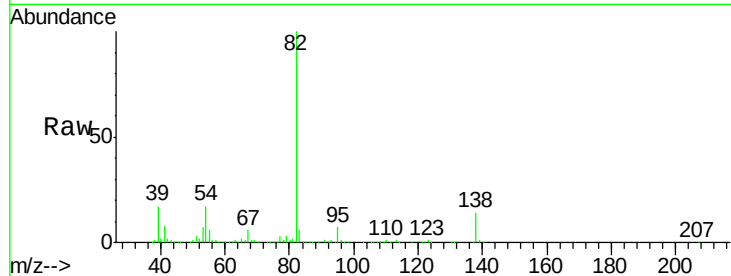




#25
Isophorone
Concen: 37.70 ng
RT: 7.68 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

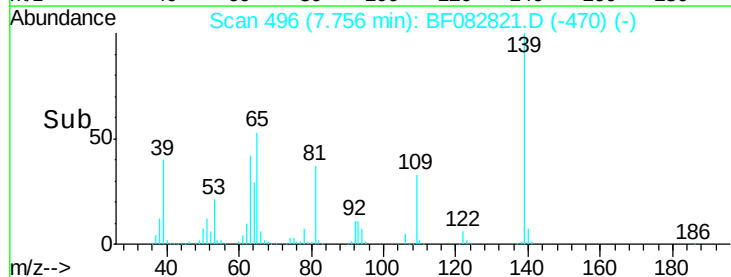
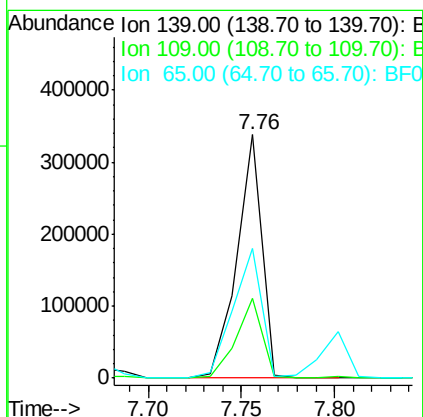
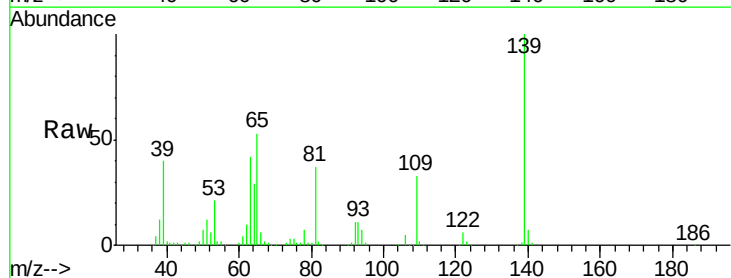
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

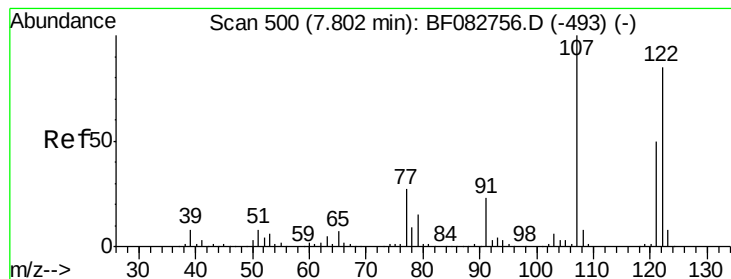
Tgt Ion: 82 Resp: 1227477
Ion Ratio Lower Upper
82 100
95 7.1 6.6 9.8
138 13.9 11.4 17.0



#26
2-Nitrophenol
Concen: 42.31 ng
RT: 7.76 min Scan# 496
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion: 139 Resp: 317854
Ion Ratio Lower Upper
139 100
109 32.5 37.6 56.4#
65 53.0 70.6 105.8#

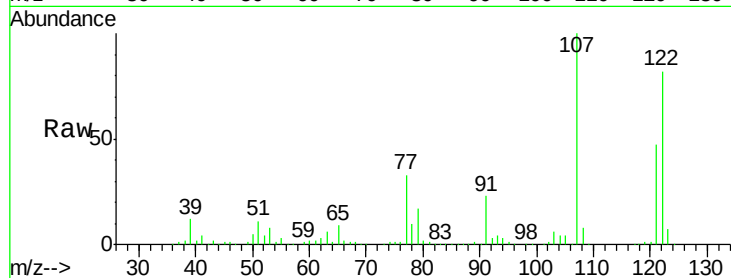




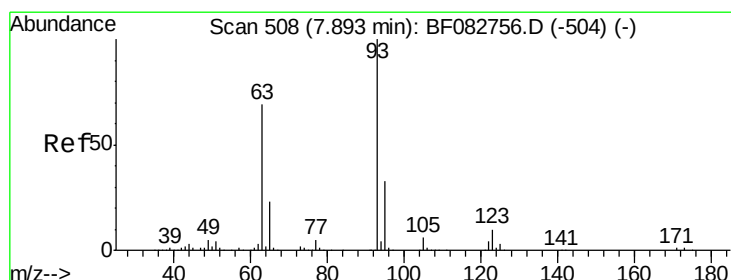
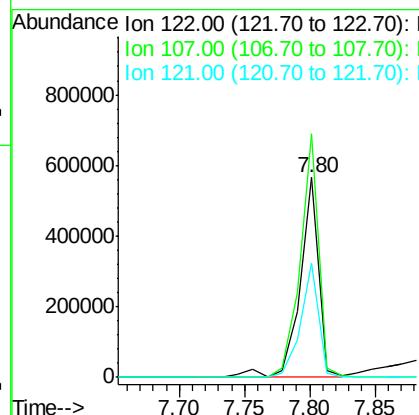
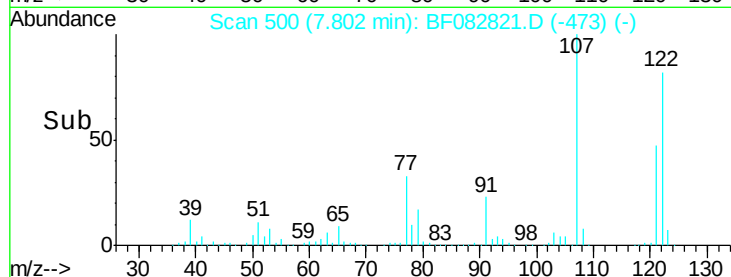
#27
 2,4-Dimethylphenol
 Concen: 42.10 ng
 RT: 7.80 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tgt Ion:122 Resp: 568199
 Ion Ratio Lower Upper
 122 100
 107 121.9 106.0 159.0
 121 57.5 46.7 70.1

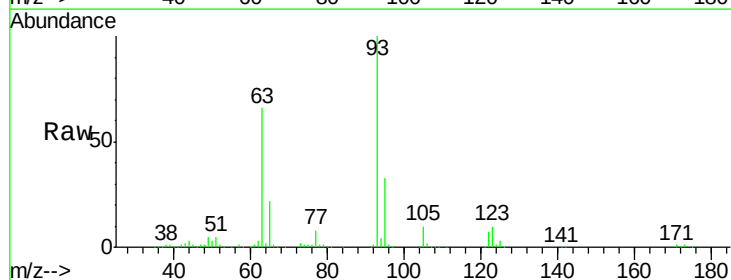


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

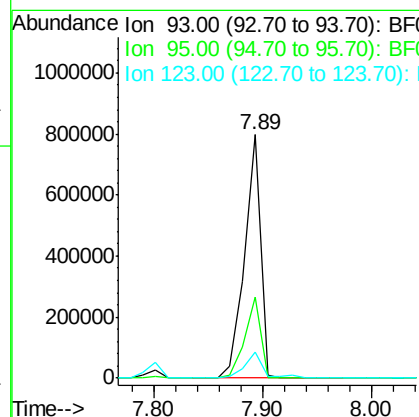
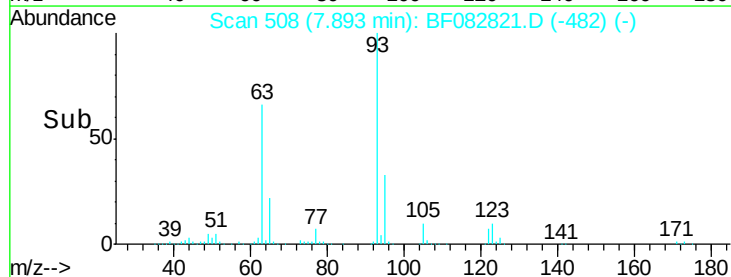


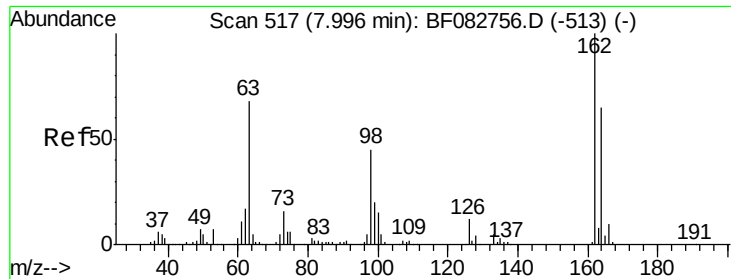
#28
 bis(2-Chloroethoxy)methane
 Concen: 43.64 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion: 93 Resp: 801539
 Ion Ratio Lower Upper
 93 100
 95 33.2 26.6 40.0
 123 10.4 9.7 14.5



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

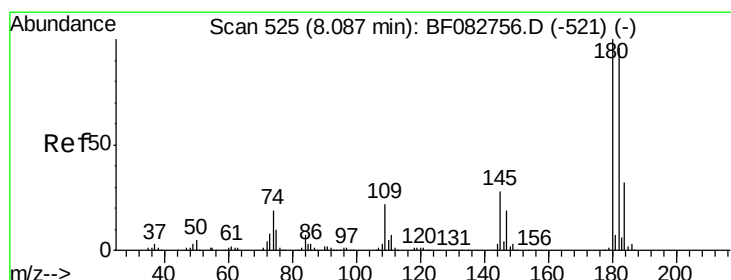
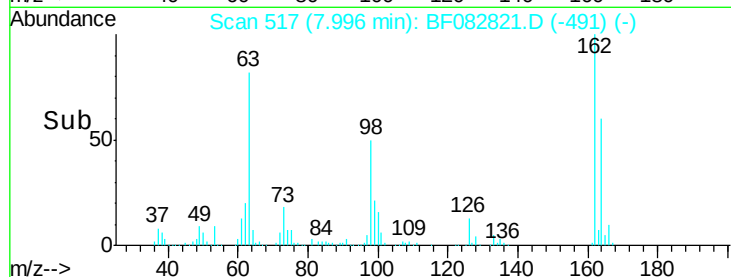
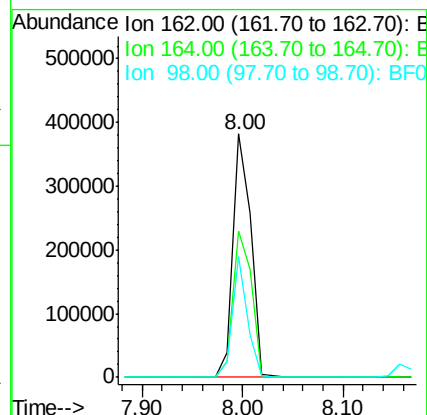
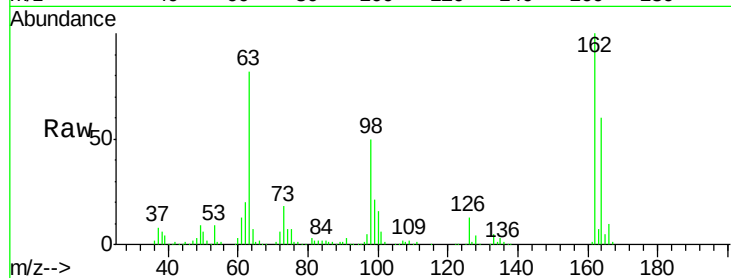




#29
2,4-Dichlorophenol
Concen: 38.81 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

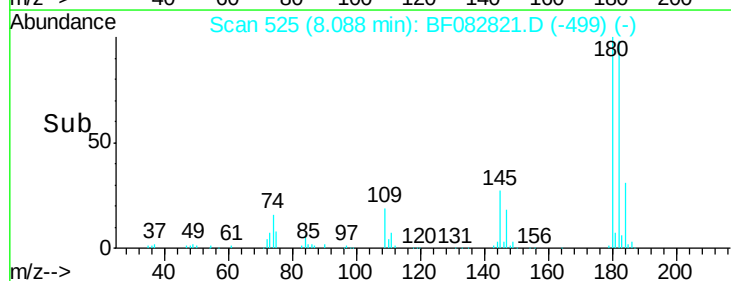
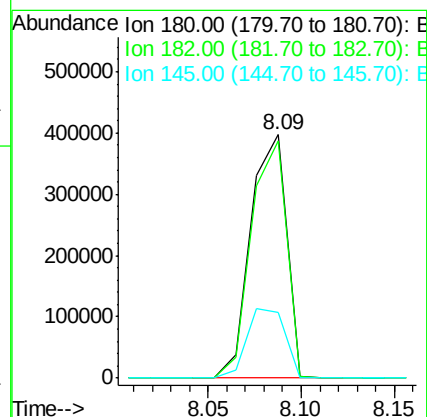
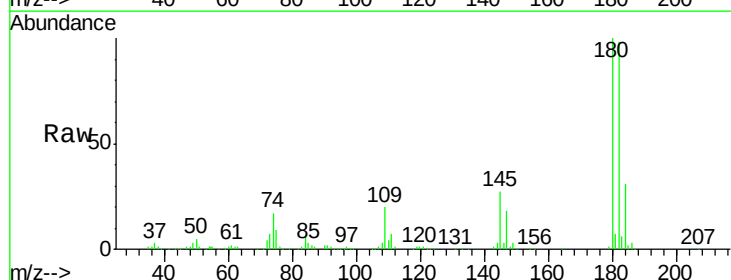
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

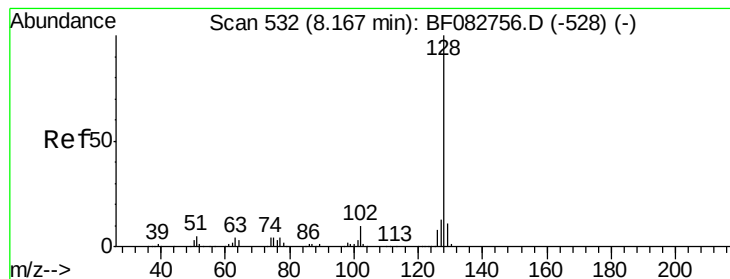
Tgt Ion:162 Resp: 473445
Ion Ratio Lower Upper
162 100
164 60.1 46.8 86.8
98 49.6 12.5 52.5



#30
1,2,4-Trichlorobenzene
Concen: 38.39 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:180 Resp: 526604
Ion Ratio Lower Upper
180 100
182 97.5 74.9 112.3
145 26.9 27.8 41.8#





#31

Naphthalene

Concen: 37.06 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITE.MSD

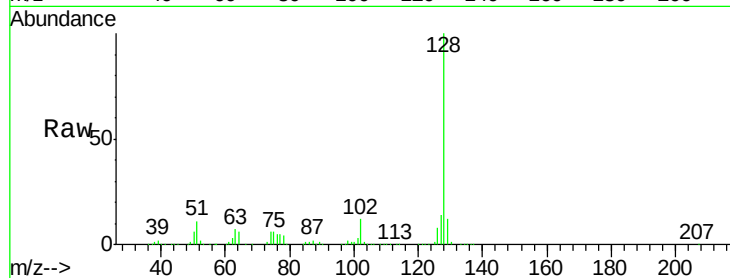
Tgt Ion:128 Resp: 1565783

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

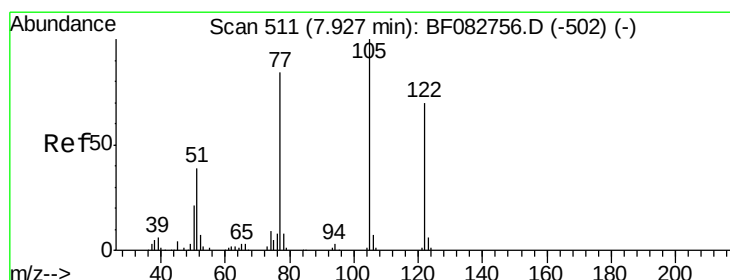
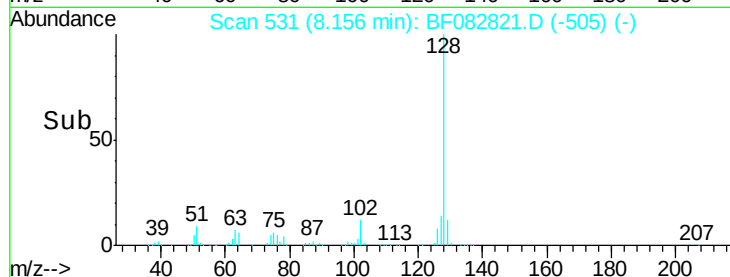
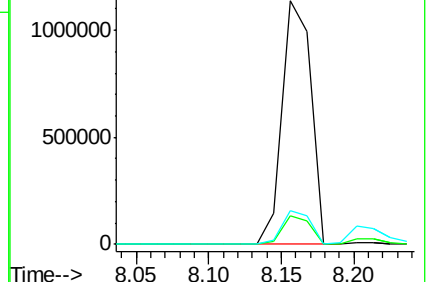
127 13.7 11.4 17.0



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: 36.63 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

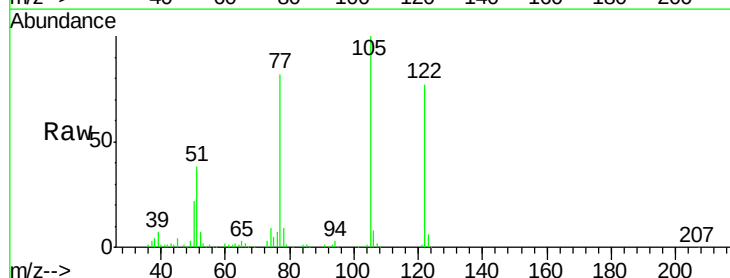
Tgt Ion:122 Resp: 338511

Ion Ratio Lower Upper

122 100

105 130.5 122.6 162.6

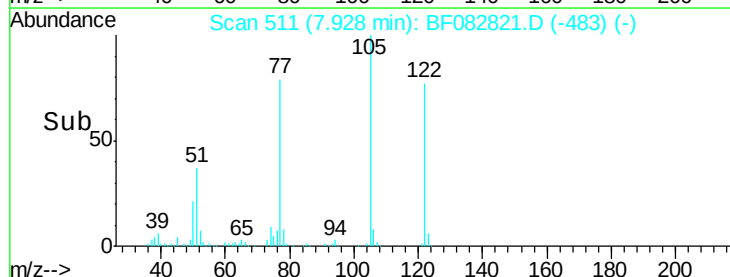
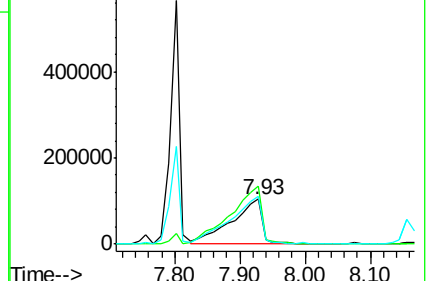
77 107.2 100.9 140.9

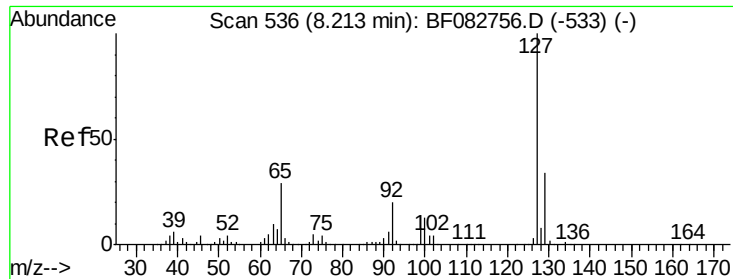


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

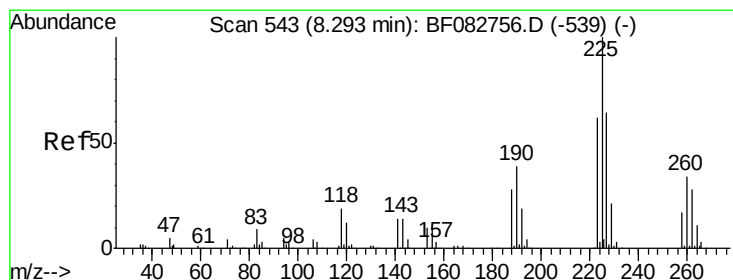
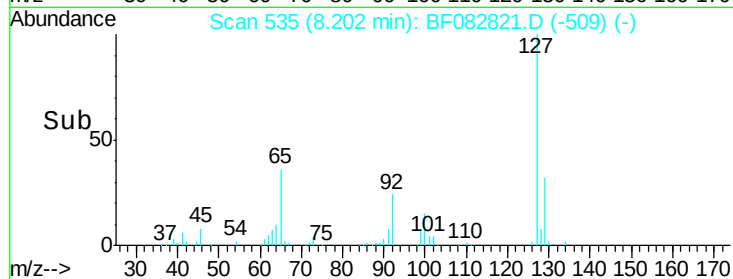
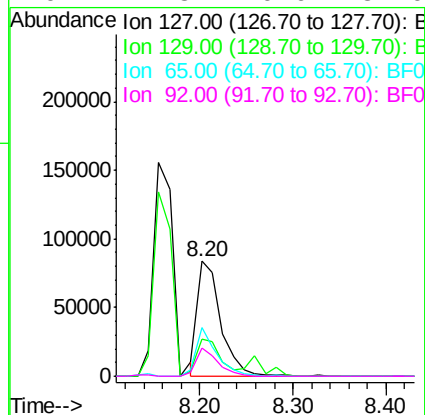
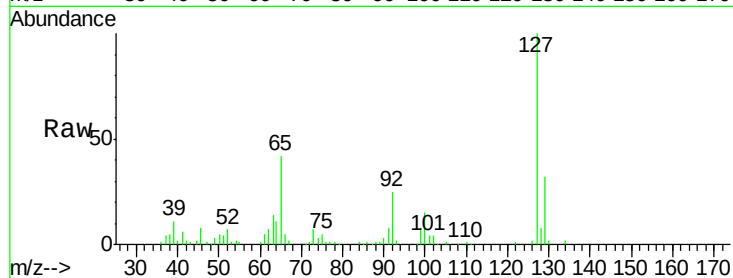




#33
4-Chloroaniline
Concen: 8.09 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

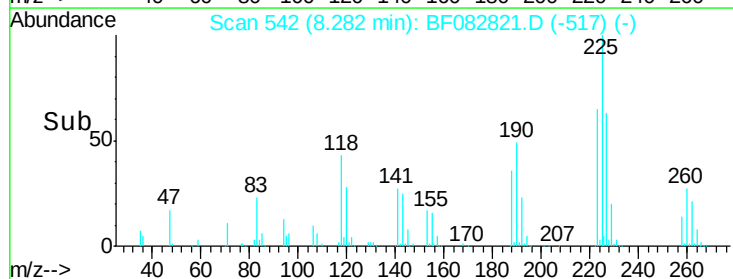
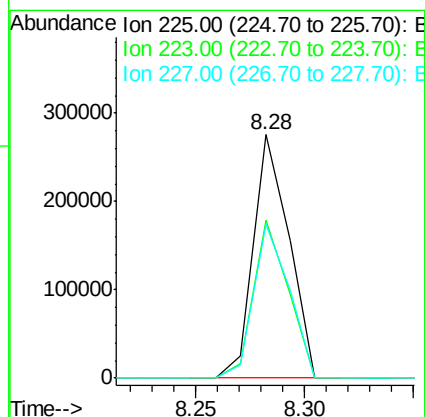
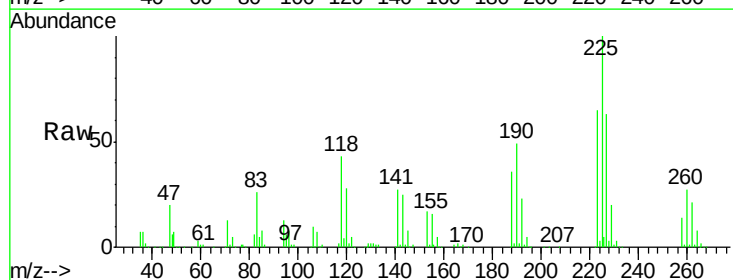
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

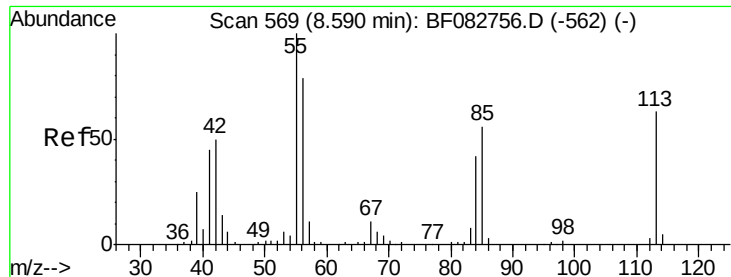
Tgt Ion:	127	Resp:	147344
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.3	39.5
65	41.9	37.8	56.8
92	24.8	20.6	31.0



#34
Hexachlorobutadiene
Concen: 36.45 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:	225	Resp:	312932
Ion	Ratio	Lower	Upper
225	100		
223	65.0	50.5	75.7
227	63.3	50.2	75.2

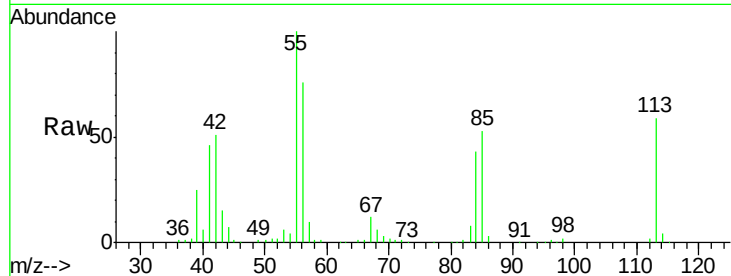




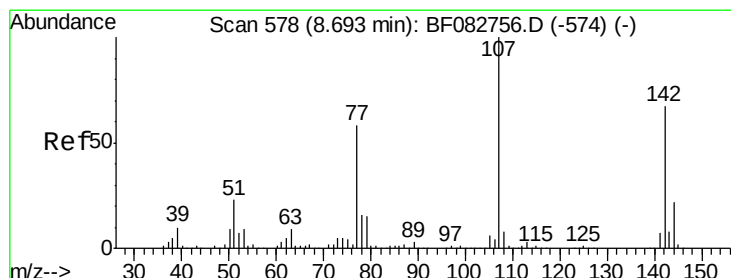
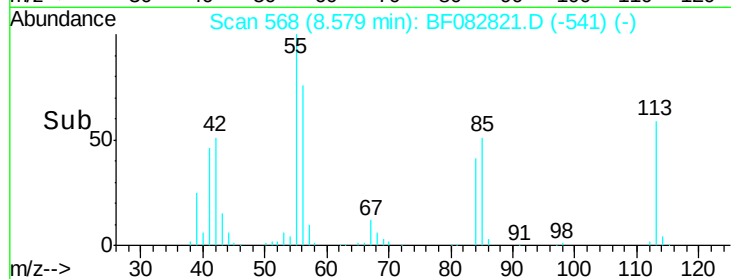
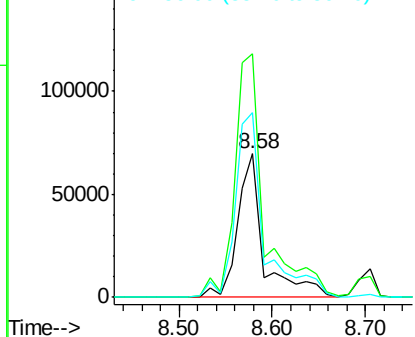
#35
Caprolactam
Concen: 35.17 ng
RT: 8.58 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tgt Ion:113 Resp: 135275
Ion Ratio Lower Upper
113 100
55 169.7 195.5 235.5#
56 129.0 153.5 193.5#

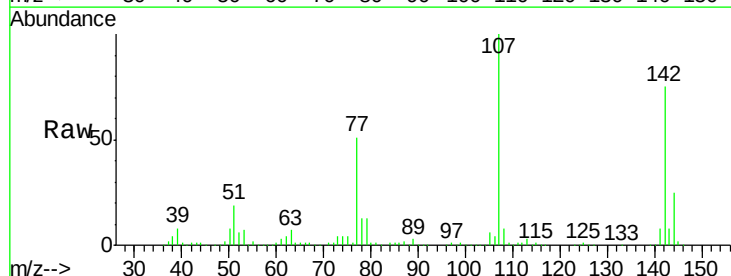


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

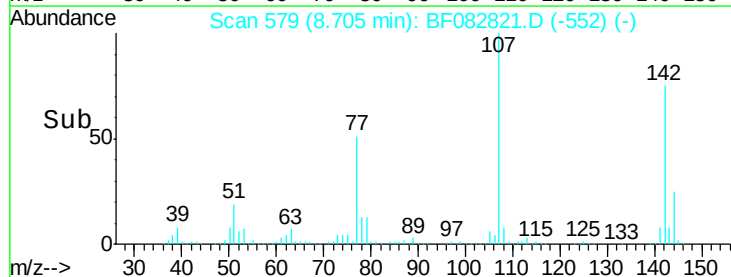
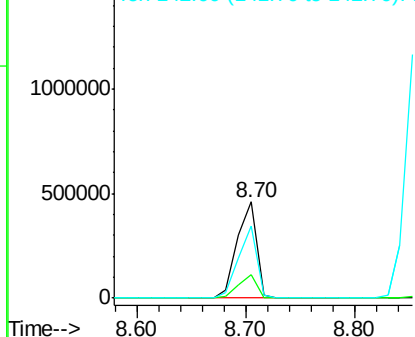


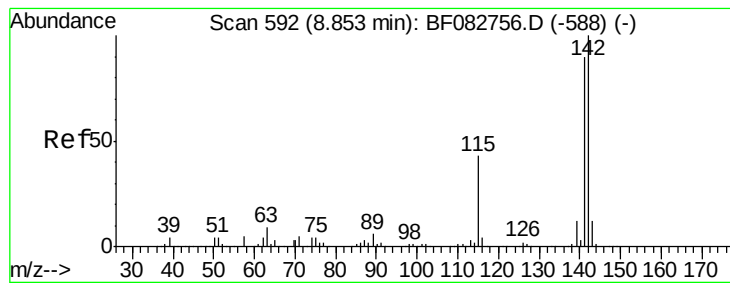
#36
4-Chloro-3-methylphenol
Concen: 39.39 ng
RT: 8.70 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:107 Resp: 565052
Ion Ratio Lower Upper
107 100
144 24.7 15.4 23.0#
142 75.5 47.8 71.8#



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: 38.33 ng

RT: 8.85 min Scan# 592

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

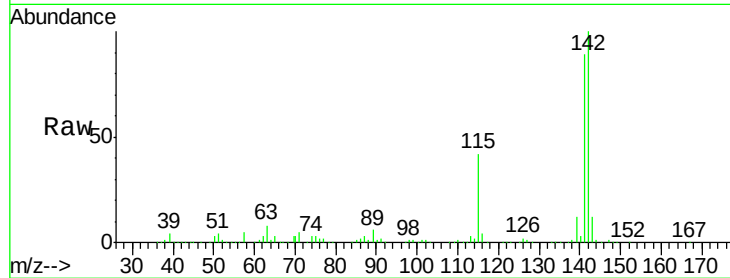
Tgt Ion:142 Resp: 1047591

Ion Ratio Lower Upper

142 100

141 89.3 72.3 108.5

115 42.2 38.1 57.1

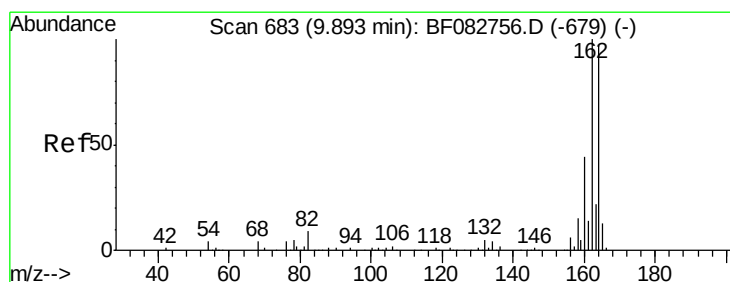
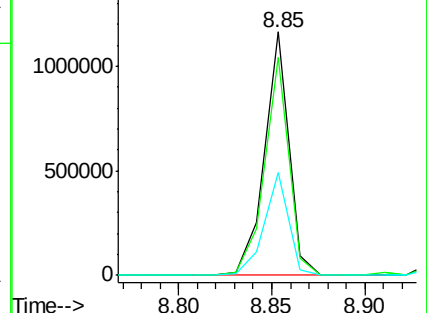
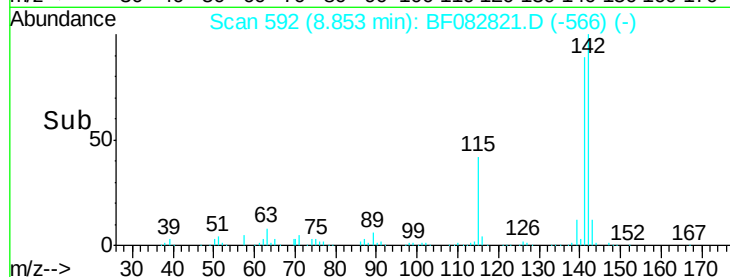


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

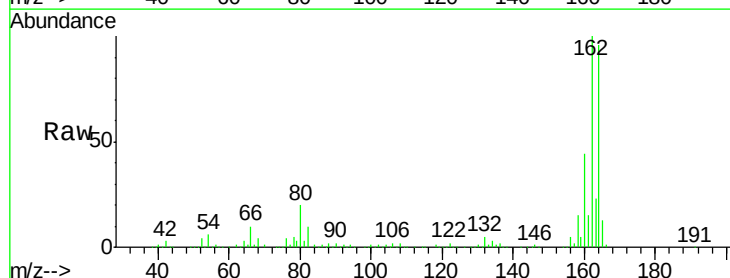
Tgt Ion:164 Resp: 376769

Ion Ratio Lower Upper

164 100

162 104.2 84.9 127.3

160 45.9 37.5 56.3

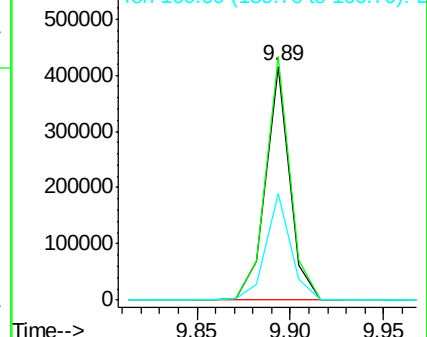
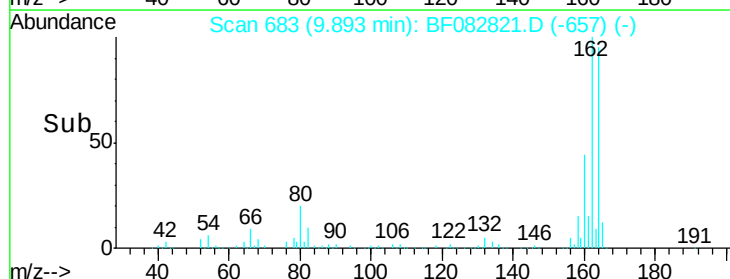


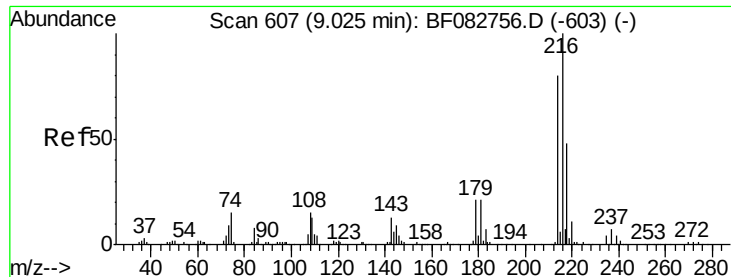
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

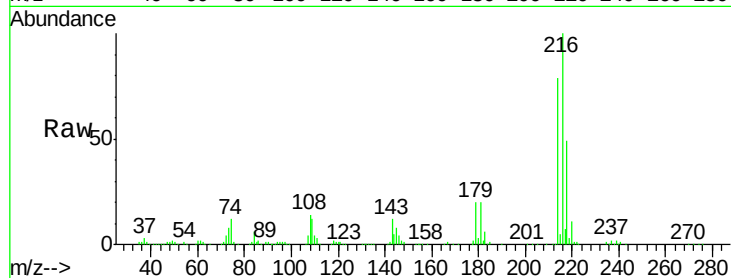




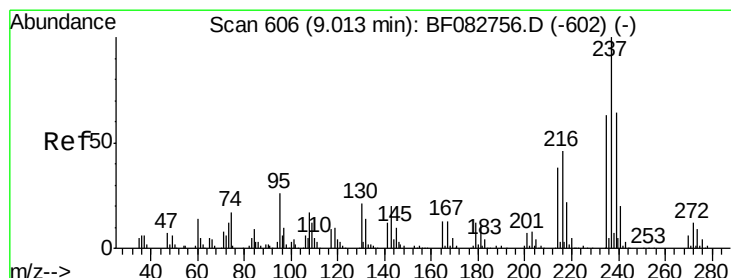
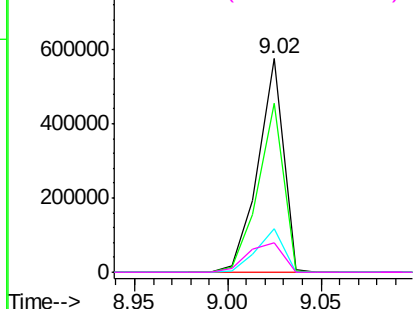
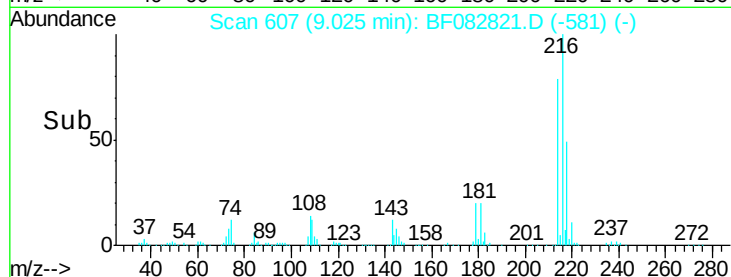
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.89 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:	216	Resp:	543451
Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.2	93.2
179	21.6	18.1	27.1
108	19.3	16.6	25.0

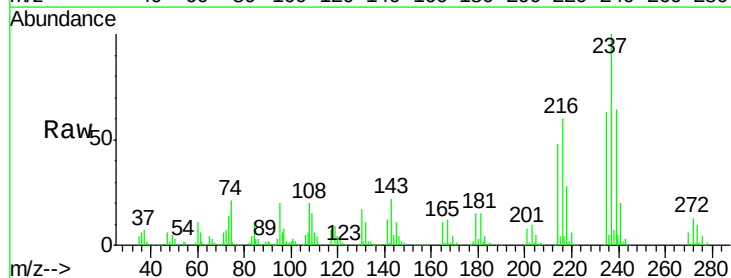


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

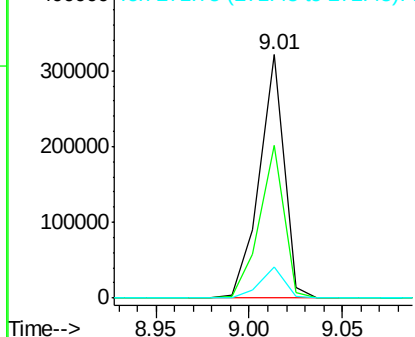
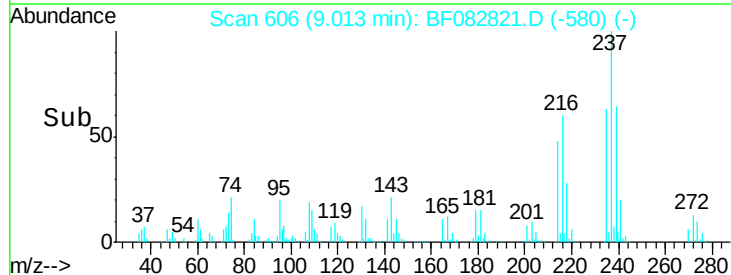


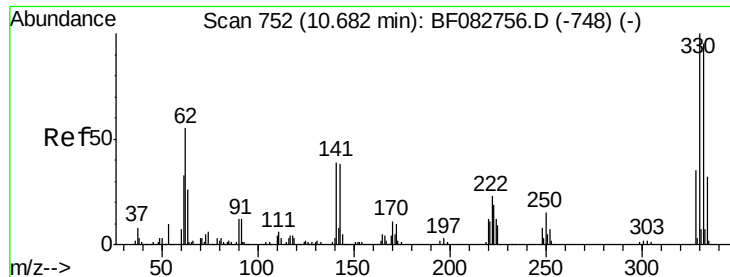
#40
 Hexachlorocyclopentadiene
 Concen: 44.21 ng
 RT: 9.01 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:	237	Resp:	294060
Ion	Ratio	Lower	Upper
237	100		
235	62.8	44.3	84.3
272	12.9	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

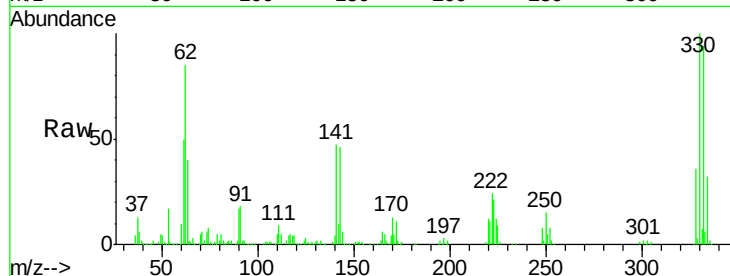




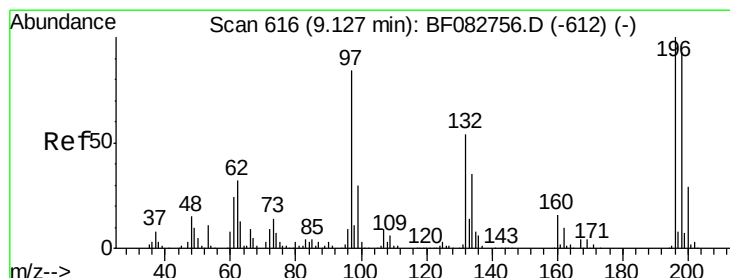
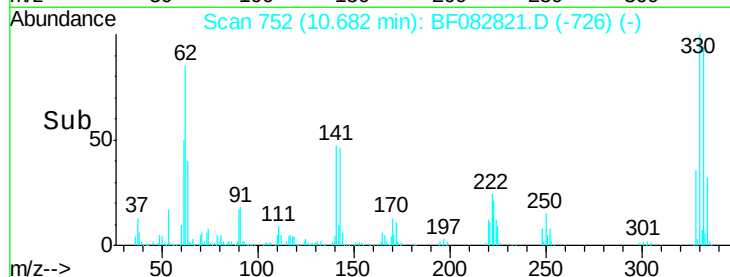
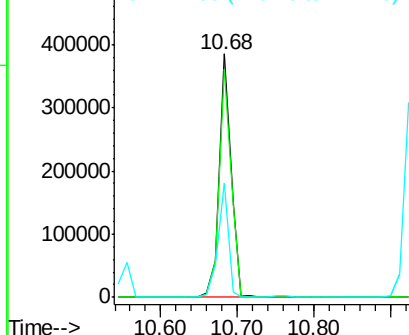
#41
 2,4,6-Tribromophenol
 Concen: 96.53 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:330 Resp: 417011
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 40.6 41.2 61.8#

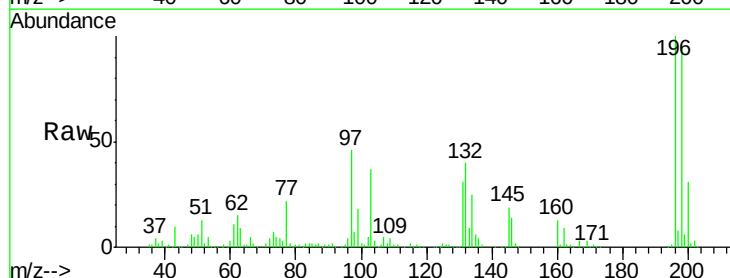


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

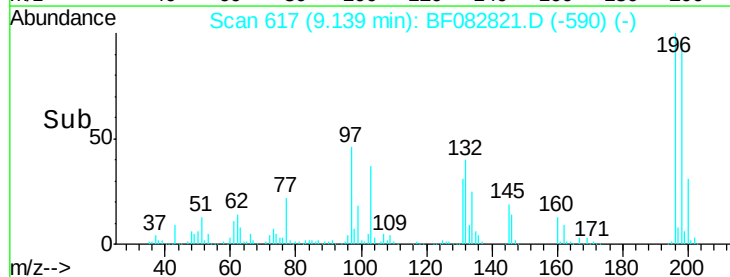
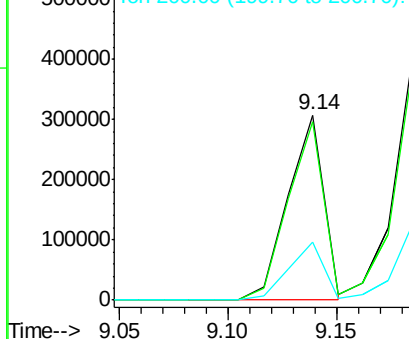


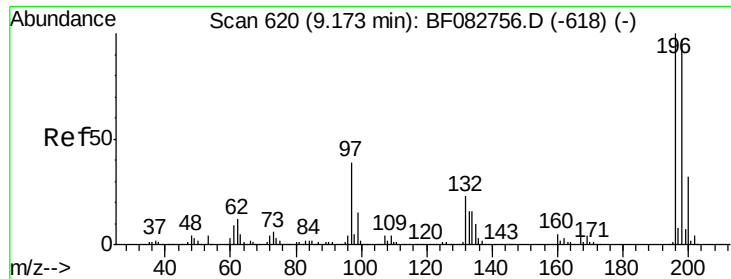
#42
 2,4,6-Trichlorophenol
 Concen: 38.13 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:196 Resp: 352423
 Ion Ratio Lower Upper
 196 100
 198 96.3 76.3 114.5
 200 31.1 23.9 35.9



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

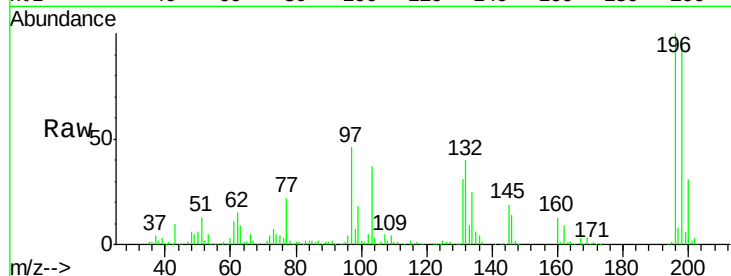




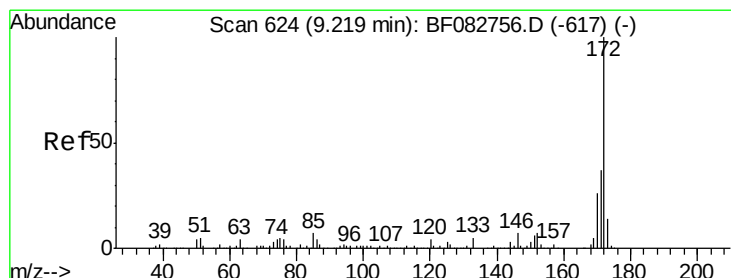
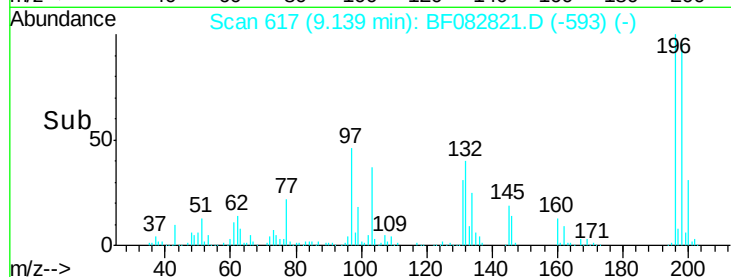
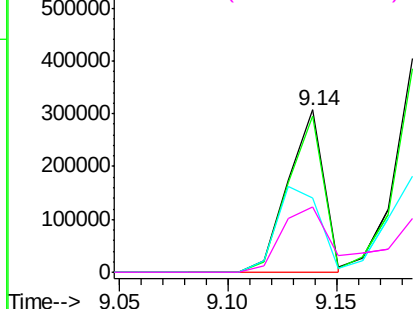
#43
 2,4,5-Trichlorophenol
 Concen: 38.56 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.02 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:196 Resp: 352423
 Ion Ratio Lower Upper
 196 100
 198 96.3 75.8 113.8
 97 45.6 62.3 93.5#
 132 40.0 27.4 41.2

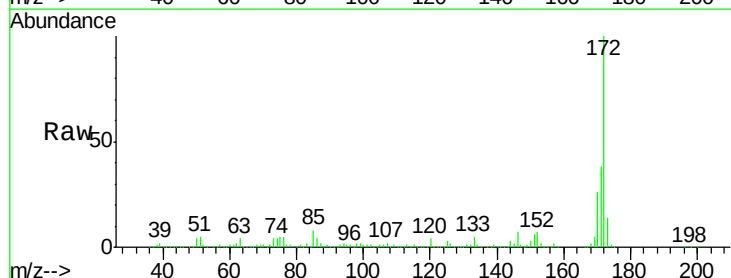


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

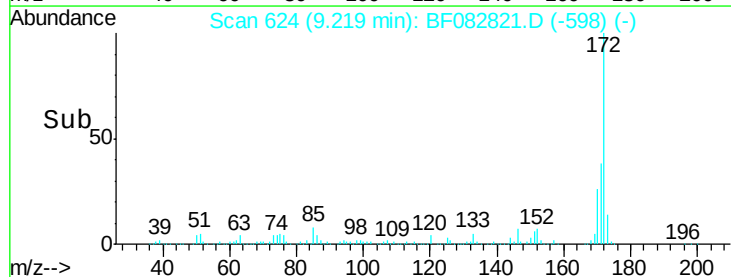
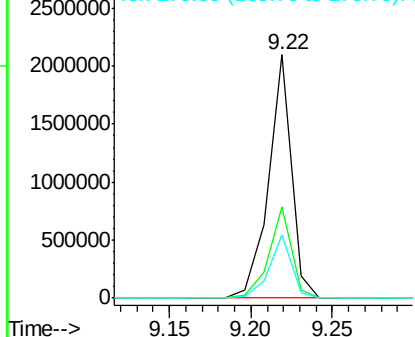


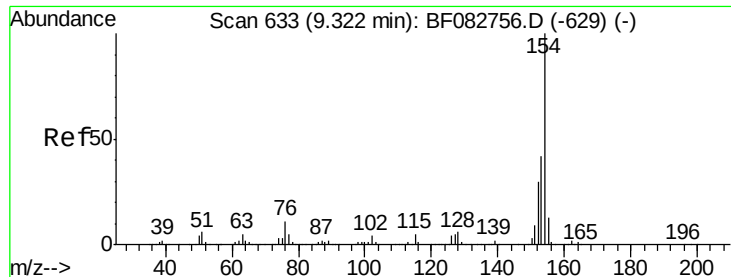
#44
 2-Fluorobiphenyl
 Concen: 78.30 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:172 Resp: 2058435
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 25.9 21.2 31.8



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

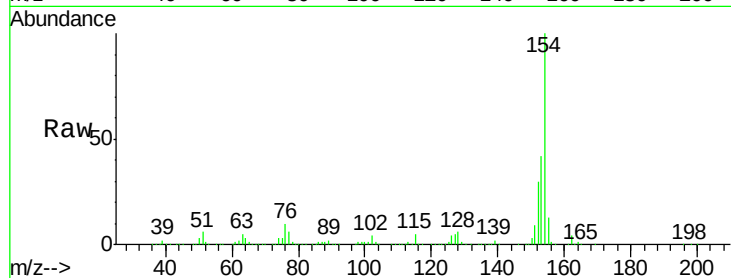




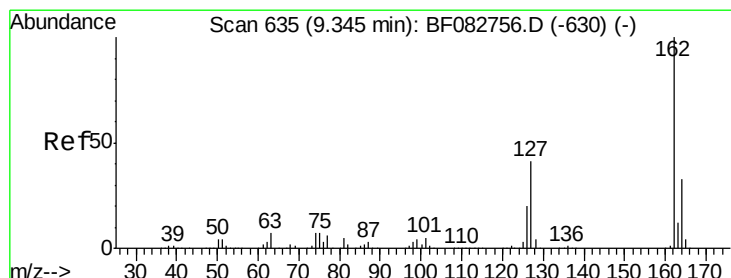
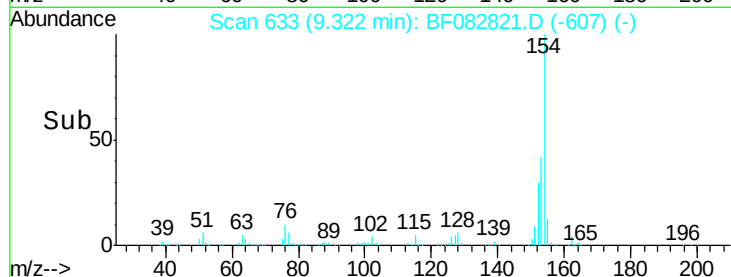
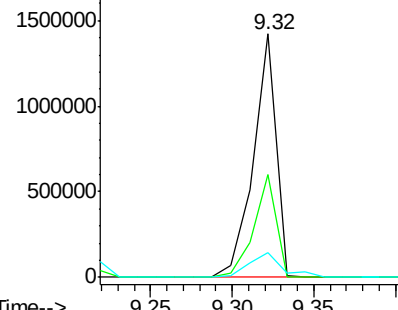
#45
 1,1'-Biphenyl
 Concen: 42.56 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:154 Resp: 1376028
 Ion Ratio Lower Upper
 154 100
 153 42.1 22.0 62.0
 76 10.4 0.0 29.0

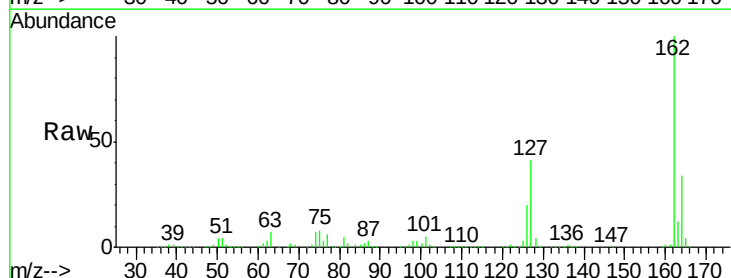


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

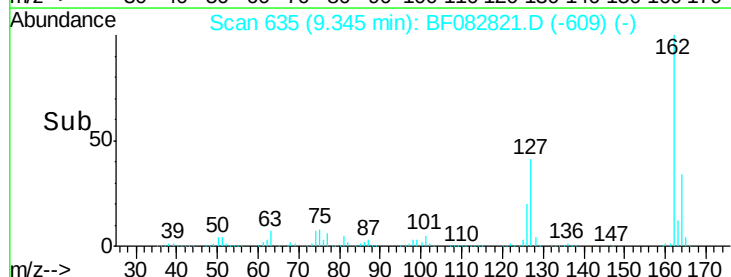
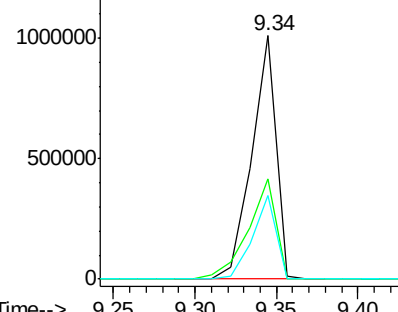


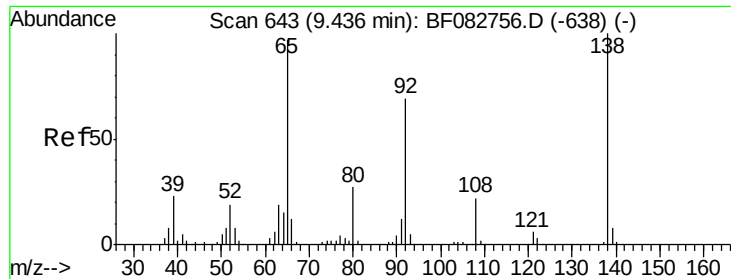
#46
 2-Chloronaphthalene
 Concen: 41.62 ng
 RT: 9.34 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:162 Resp: 1049700
 Ion Ratio Lower Upper
 162 100
 127 41.0 32.7 49.1
 164 34.4 27.4 41.0



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

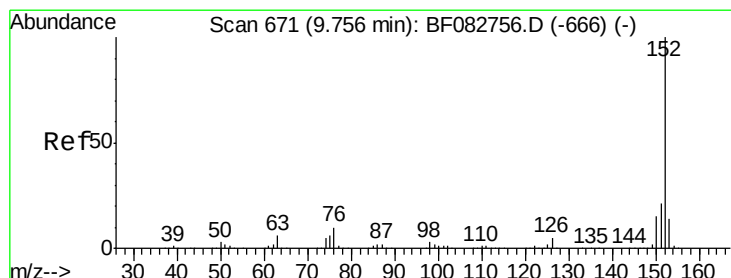
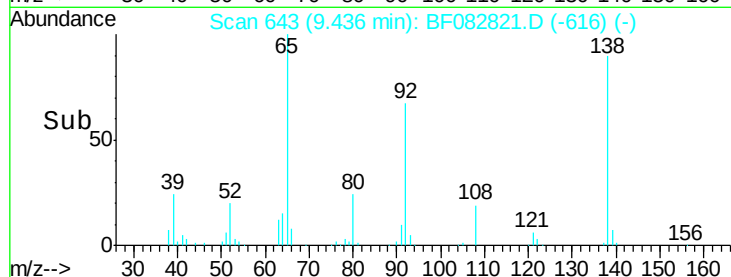
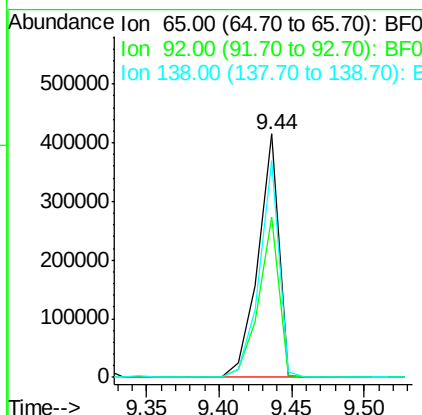
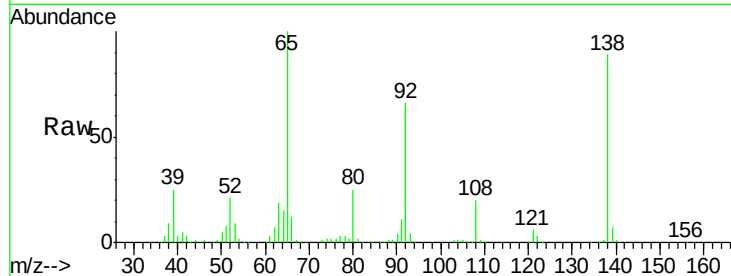




#47
2-Nitroaniline
Concen: 43.96 ng
RT: 9.44 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

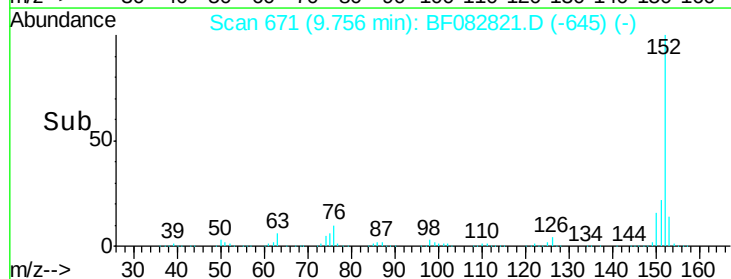
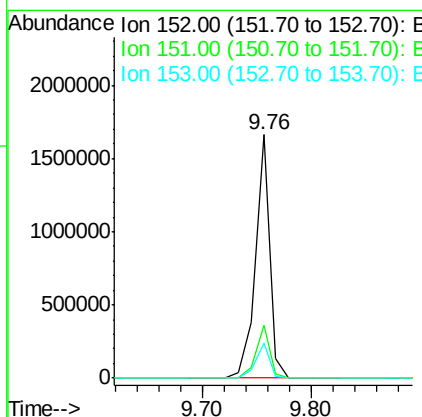
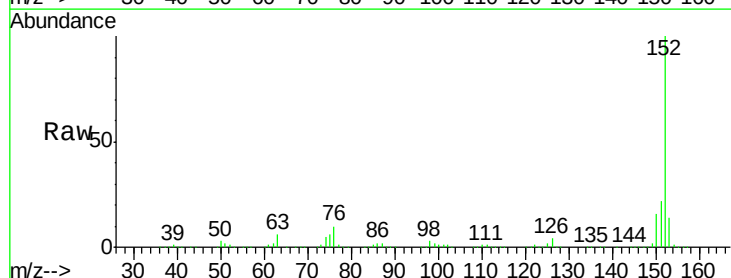
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

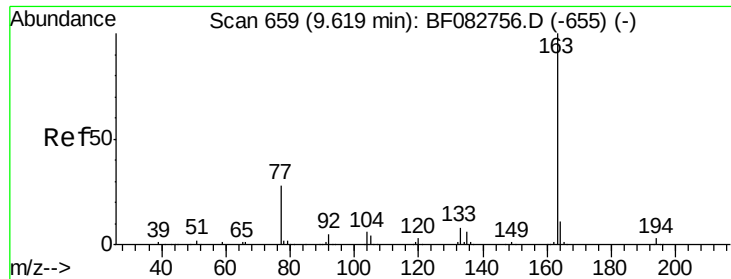
Tgt Ion: 65 Resp: 411244
Ion Ratio Lower Upper
65 100
92 66.1 46.6 70.0
138 89.2 54.6 81.8#



#48
Acenaphthylene
Concen: 38.37 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion: 152 Resp: 1516516
Ion Ratio Lower Upper
152 100
151 21.8 17.3 25.9
153 14.2 11.3 16.9





#49

Dimethylphthalate

Concen: 36.93 ng

RT: 9.62 min Scan# 659

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

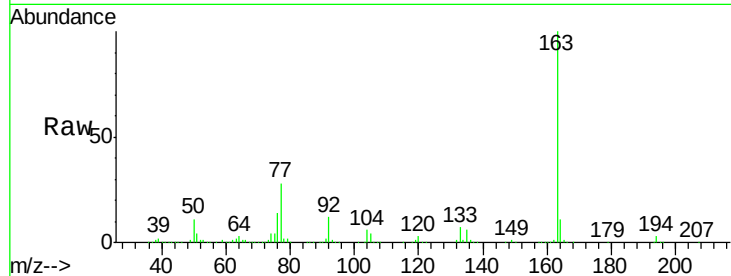
Tgt Ion:163 Resp: 1139960

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

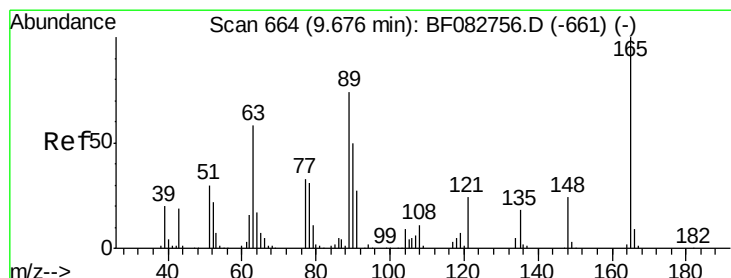
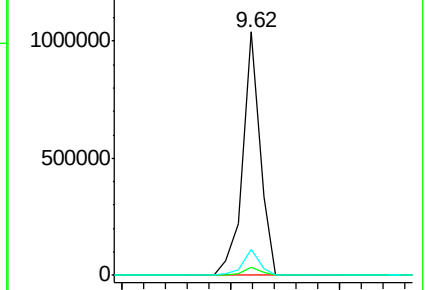
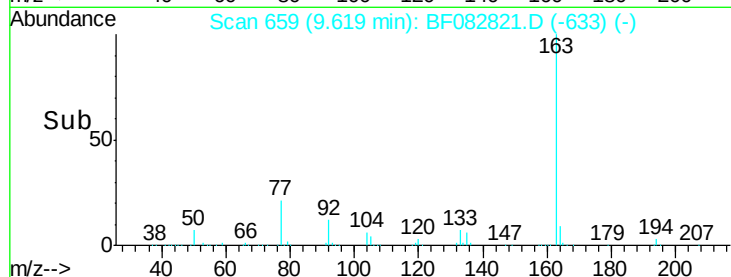
164 10.9 8.7 13.1



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: 36.67 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

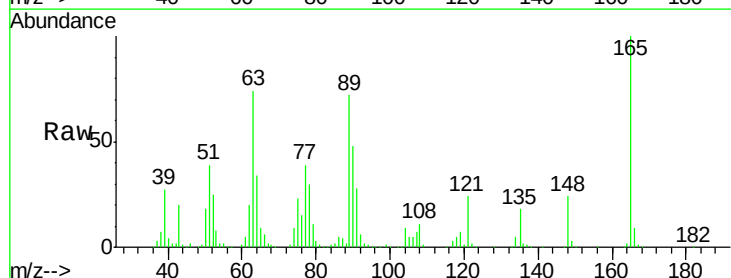
Tgt Ion:165 Resp: 241512

Ion Ratio Lower Upper

165 100

63 74.2 55.5 83.3

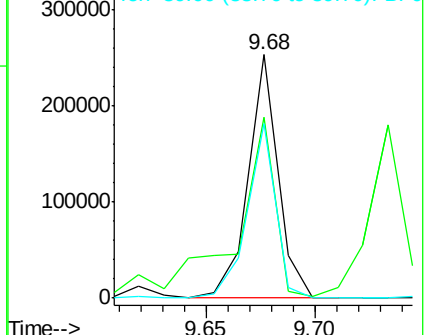
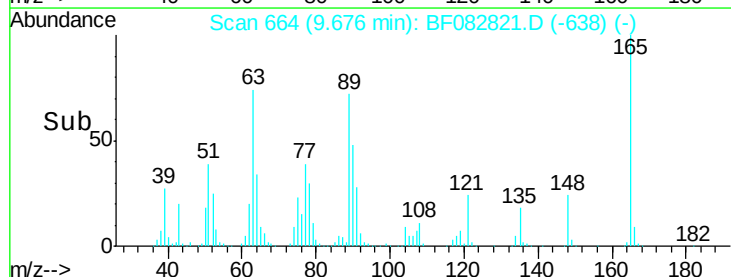
89 71.8 55.0 82.6

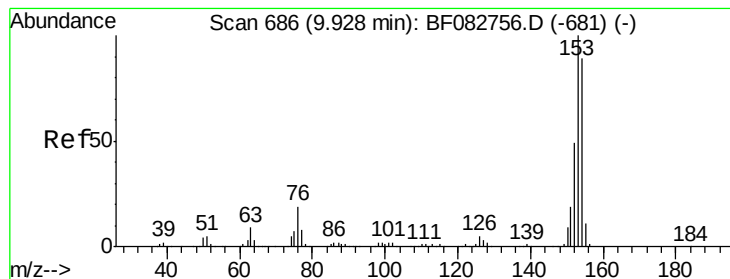


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.89 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

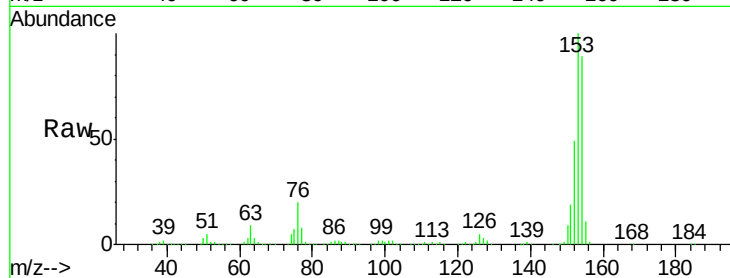
Tgt Ion:154 Resp: 974044

Ion Ratio Lower Upper

154 100

153 112.0 90.1 135.1

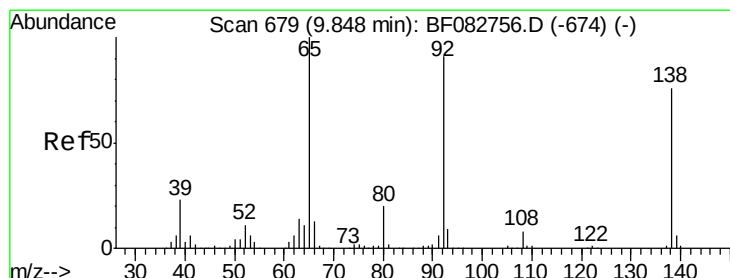
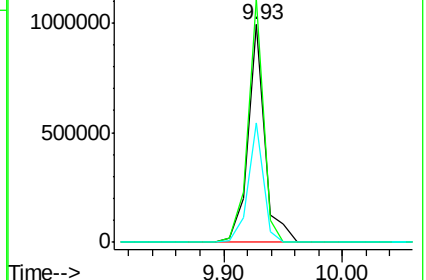
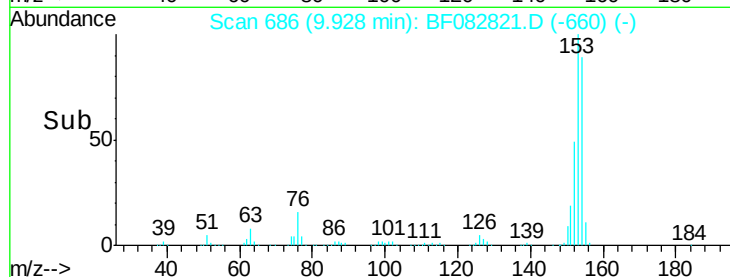
152 54.9 44.3 66.5



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: 20.23 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

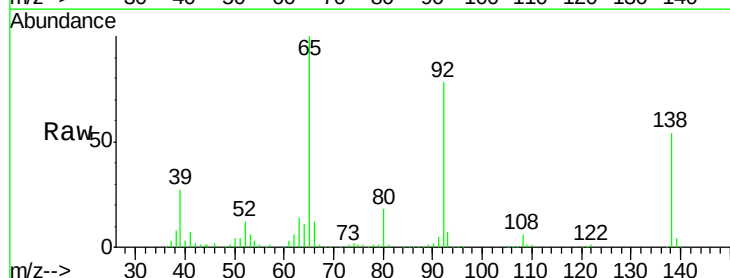
Tgt Ion:138 Resp: 146542

Ion Ratio Lower Upper

138 100

108 11.7 11.3 16.9

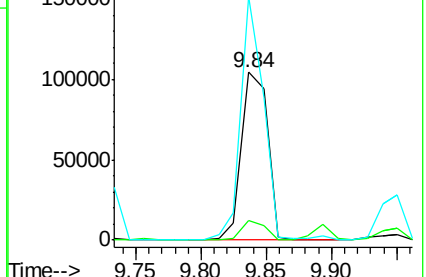
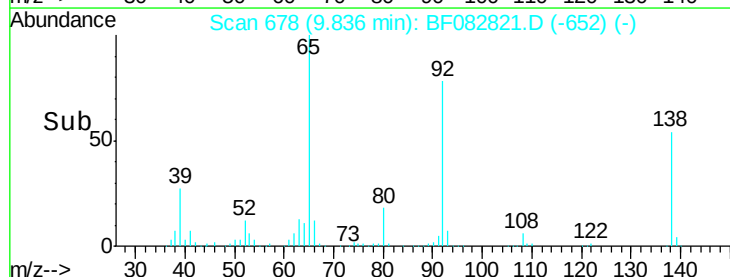
92 145.0 122.4 183.6

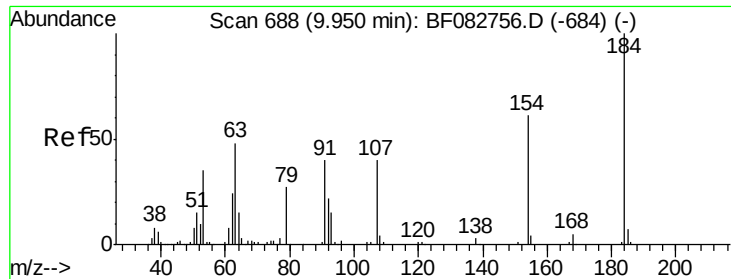


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

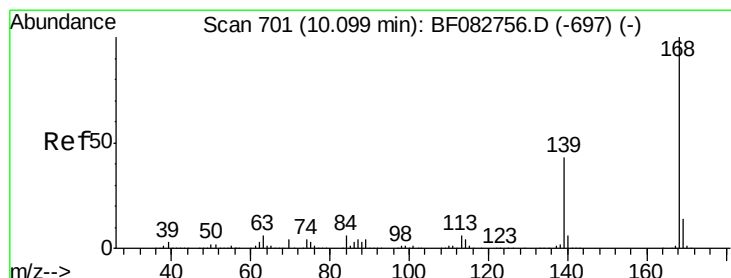
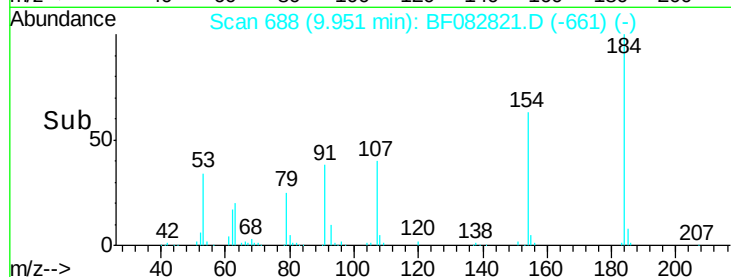
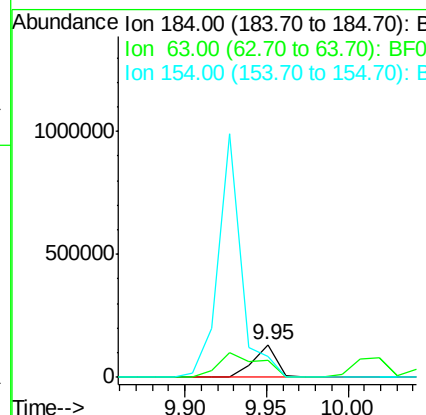
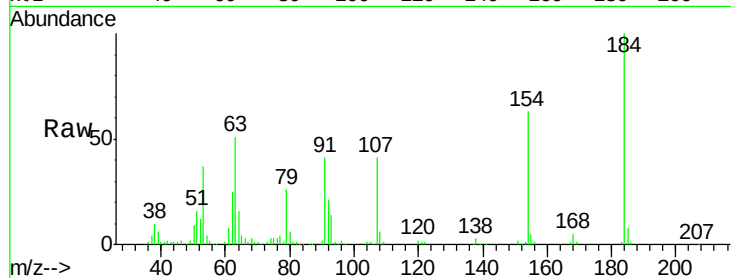




#53
 2,4-Dinitrophenol
 Concen: 36.71 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

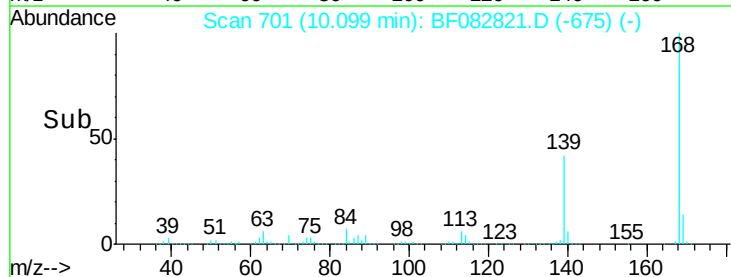
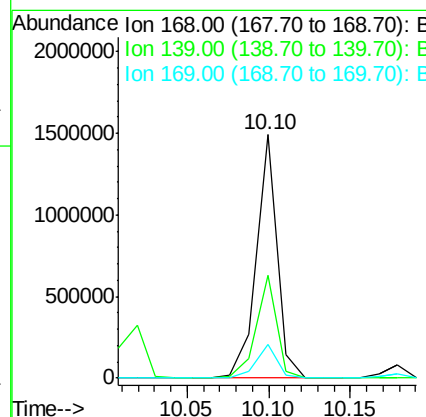
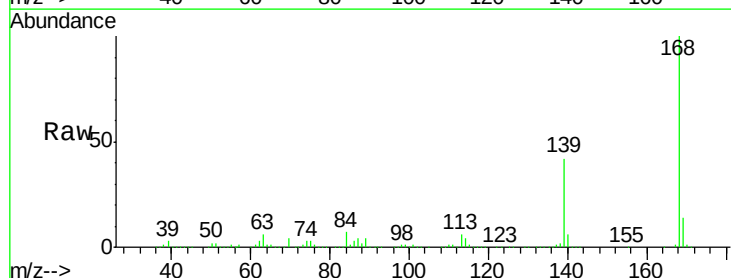
Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

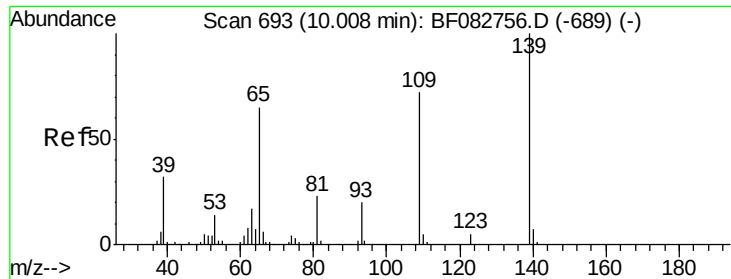
Tgt Ion:184 Resp: 132737
 Ion Ratio Lower Upper
 184 100
 63 51.2 98.6 148.0#
 154 63.0 183.9 275.9#



#54
 Dibenzofuran
 Concen: 39.19 ng
 RT: 10.10 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:168 Resp: 1323628
 Ion Ratio Lower Upper
 168 100
 139 42.1 37.8 56.6
 169 14.0 11.3 16.9

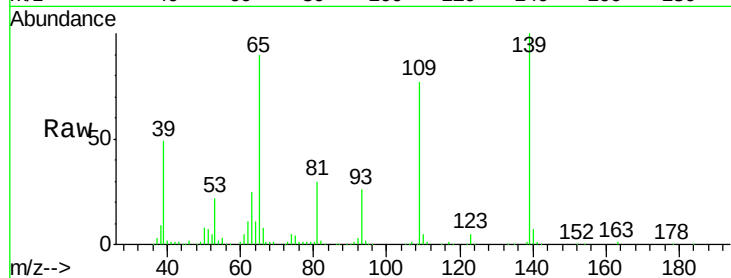




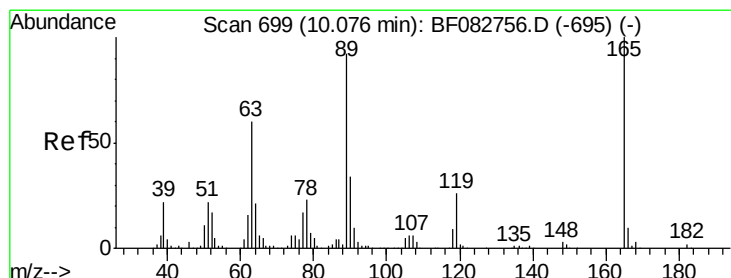
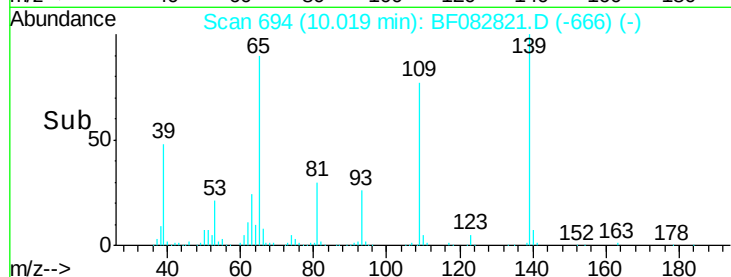
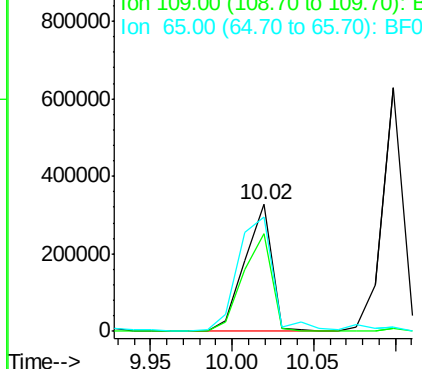
#55
4-Nitrophenol
Concen: 68.27 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tgt Ion:139 Resp: 379412
Ion Ratio Lower Upper
139 100
109 76.6 73.7 113.7
65 90.4 82.9 122.9



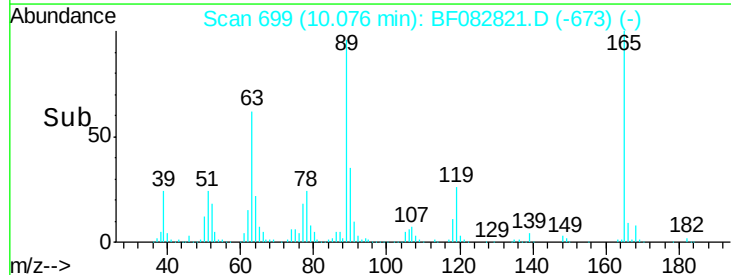
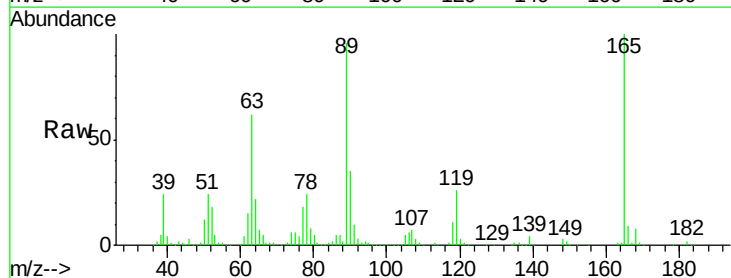
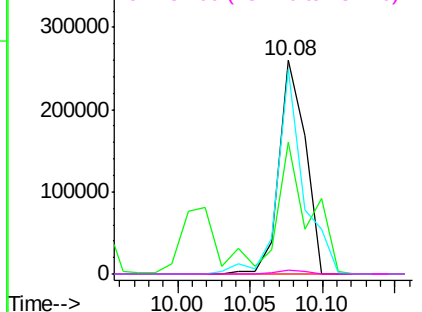
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

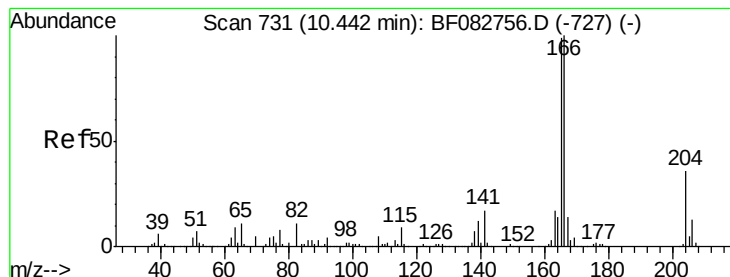


#56
2,4-Dinitrotoluene
Concen: 36.35 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:165 Resp: 324872
Ion Ratio Lower Upper
165 100
63 62.0 43.4 65.0
89 95.7 70.6 106.0
182 2.0 1.5 2.3

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 37.32 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

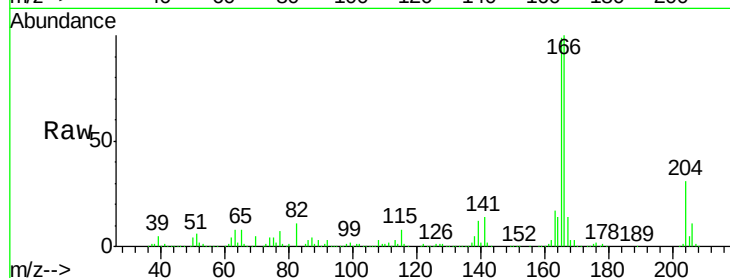
Tgt Ion:166 Resp: 1020758

Ion Ratio Lower Upper

166 100

165 98.8 80.2 120.4

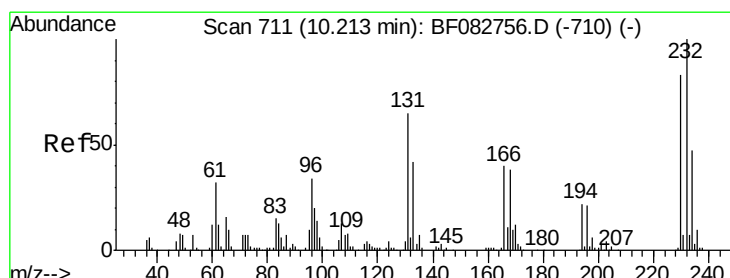
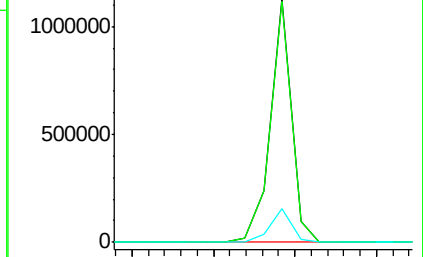
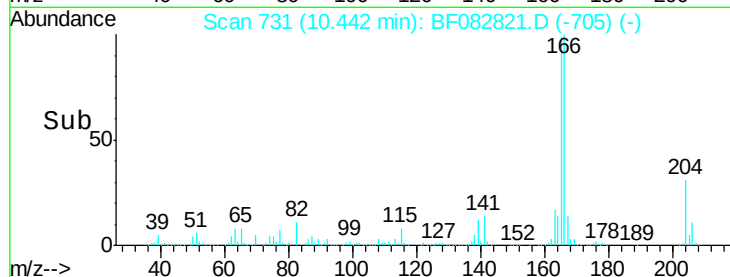
167 14.1 11.2 16.8



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: 36.55 ng

RT: 10.22 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:232 Resp: 272667

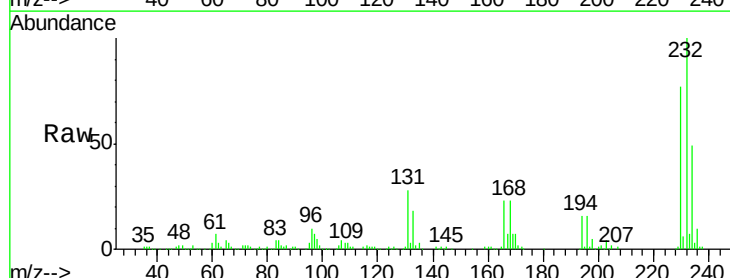
Ion Ratio Lower Upper

232 100

131 46.2 46.2 69.2

130 2.0 2.4 3.6#

166 31.2 28.2 42.2

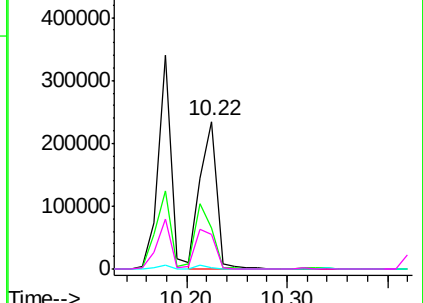
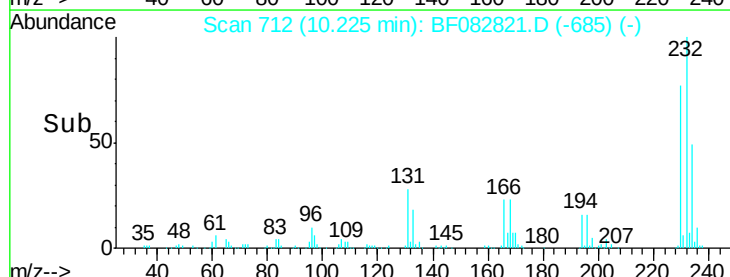


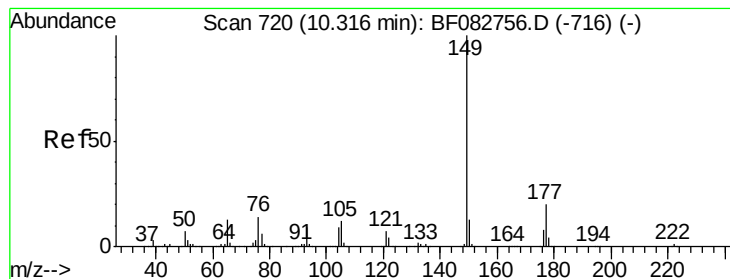
Abundance Ion 232.00 (231.70 to 232.70): E

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: 38.92 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

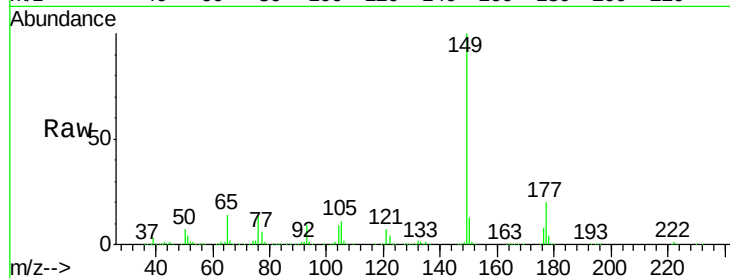
Tgt Ion:149 Resp: 1172943

Ion Ratio Lower Upper

149 100

177 20.3 17.9 26.9

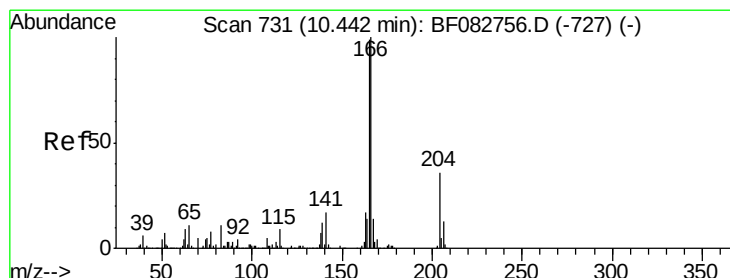
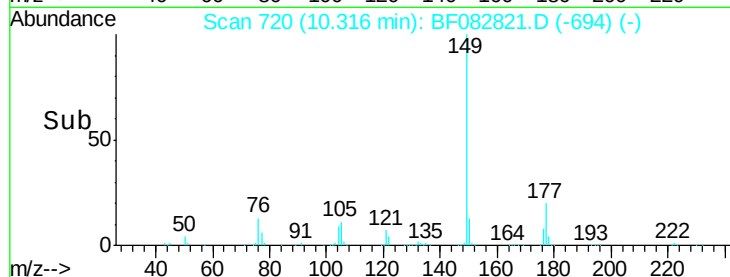
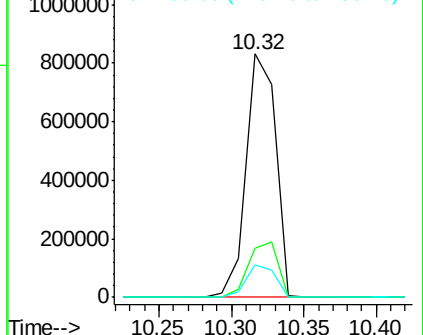
150 13.2 10.1 15.1



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: 36.40 ng

RT: 10.43 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

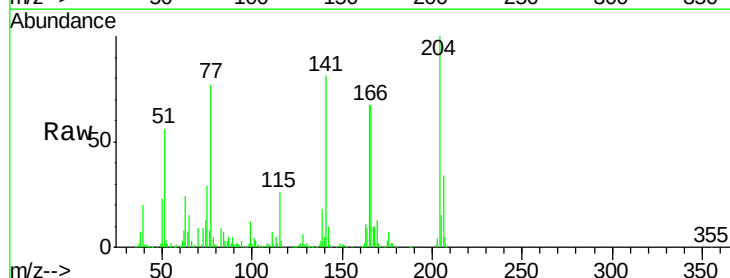
Tgt Ion:204 Resp: 498171

Ion Ratio Lower Upper

204 100

206 34.4 28.5 42.7

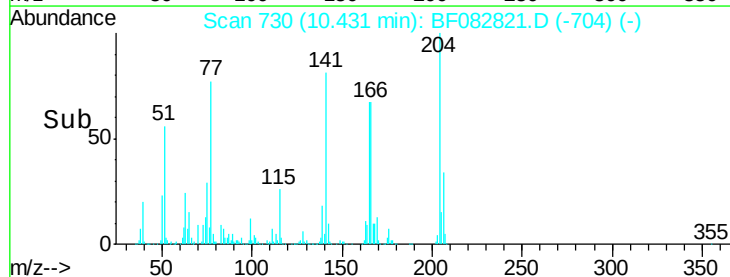
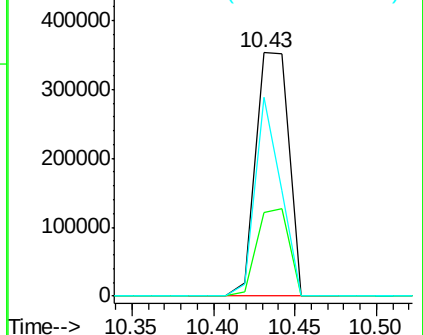
141 81.5 44.6 66.8#

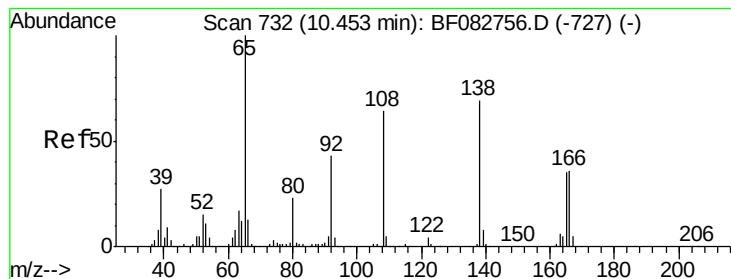


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 27.49 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

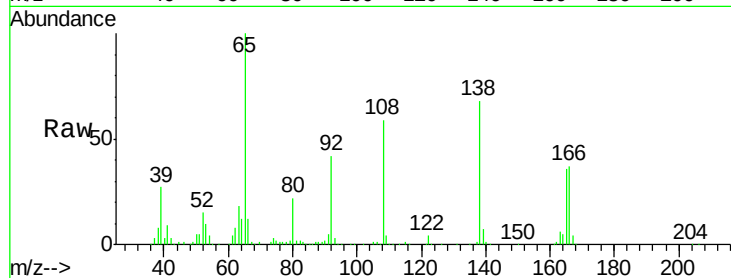
Tgt Ion:138 Resp: 200271

Ion Ratio Lower Upper

138 100

92 61.6 45.8 85.8

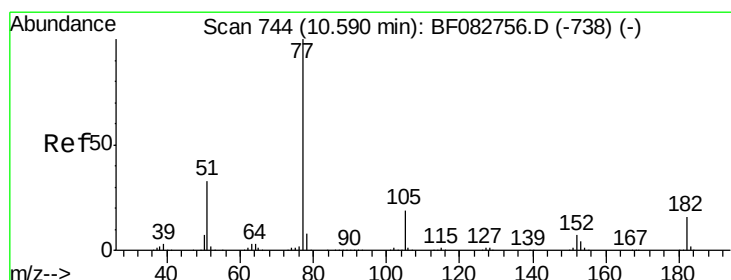
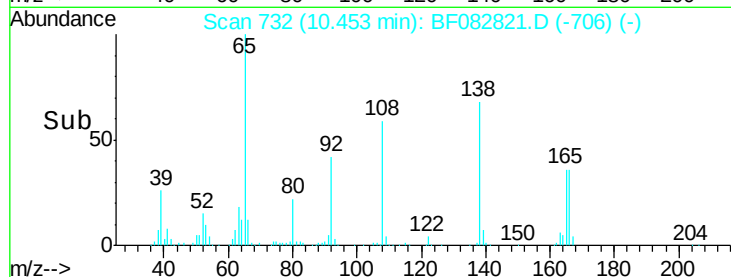
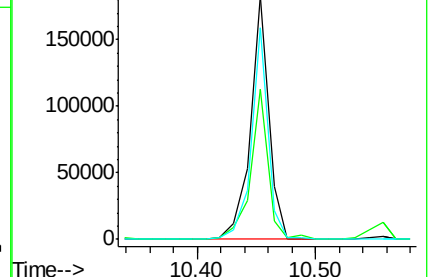
108 86.7 89.4 129.4#



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: 39.85 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion: 77 Resp: 1290186

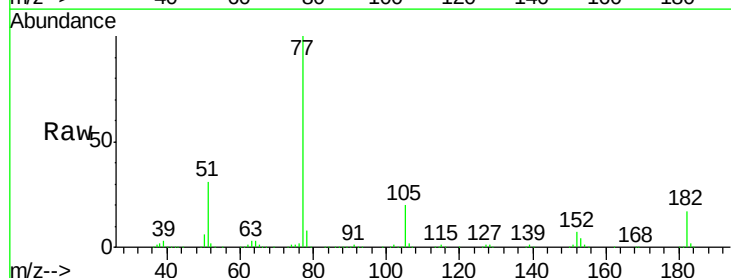
Ion Ratio Lower Upper

77 100

182 16.6 9.3 49.3

105 19.7 2.6 42.6

51 31.4 9.9 49.9

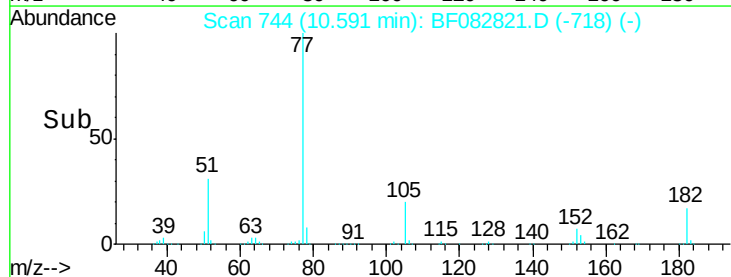
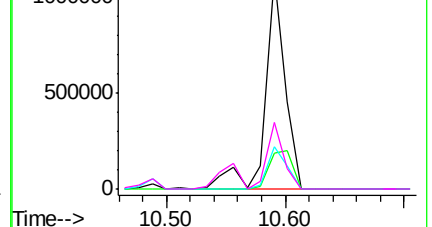


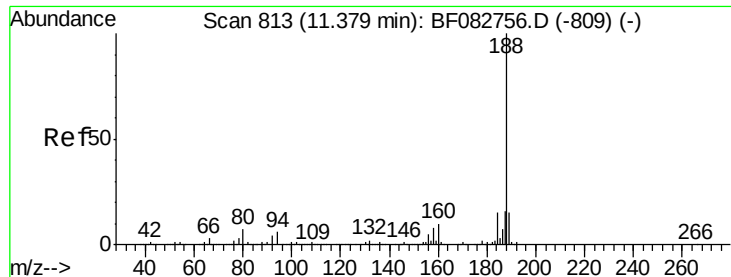
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

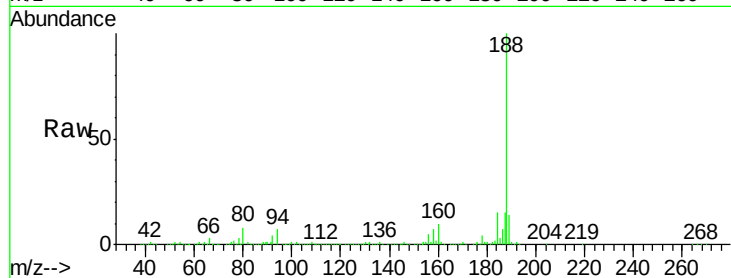




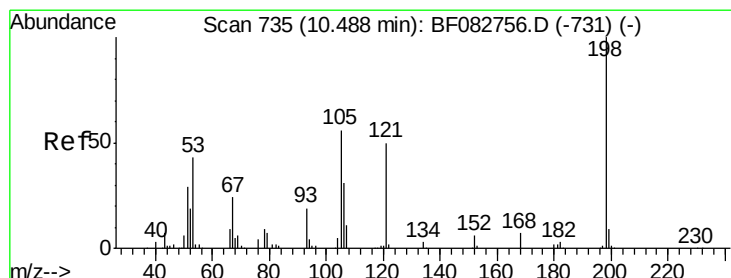
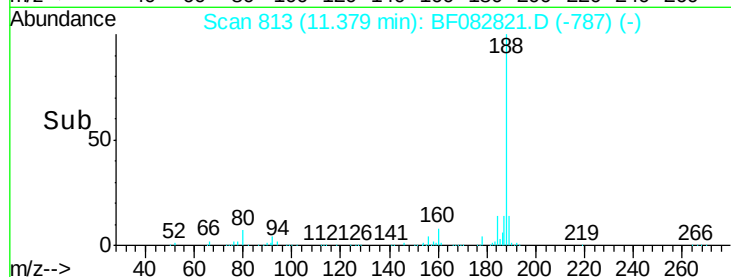
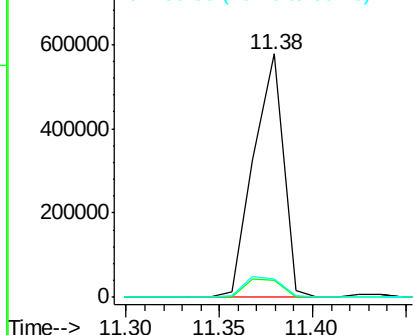
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tgt Ion:188 Resp: 642525
Ion Ratio Lower Upper
188 100
94 6.8 6.1 9.1
80 7.7 7.0 10.6

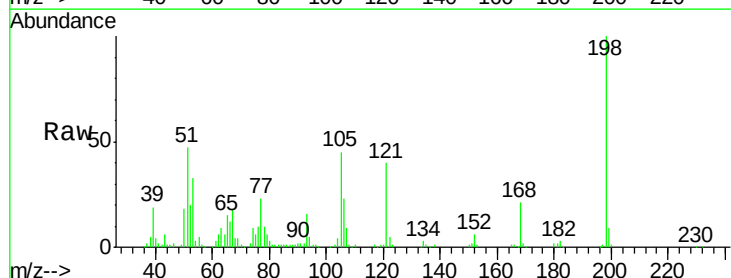


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

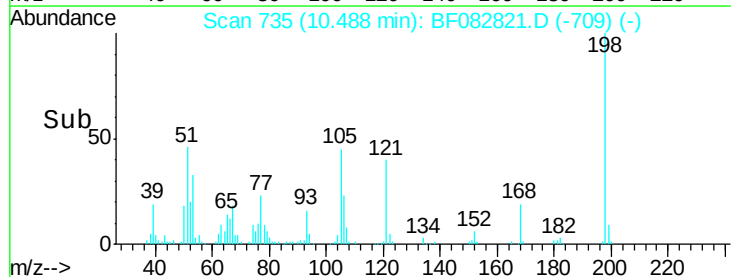
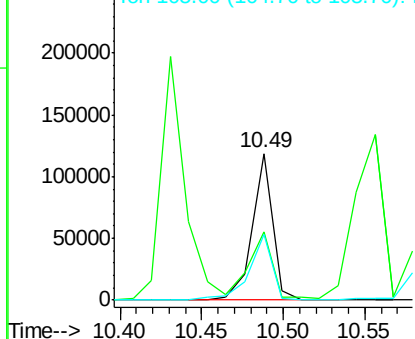


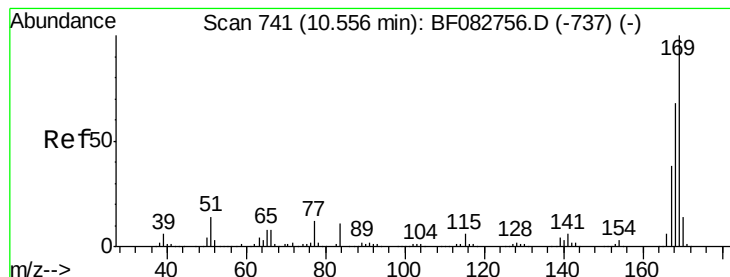
#64
4,6-Dinitro-2-methylphenol
Concen: 22.62 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:198 Resp: 103566
Ion Ratio Lower Upper
198 100
51 46.5 17.3 57.3
105 44.7 21.7 61.7



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

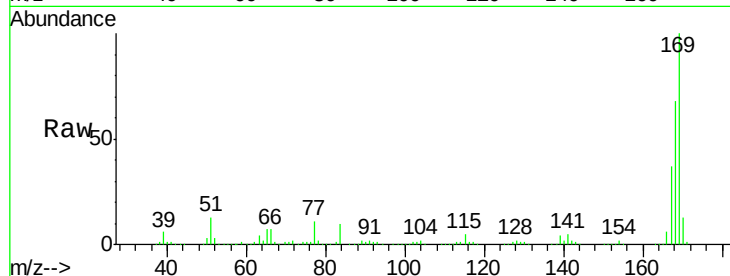




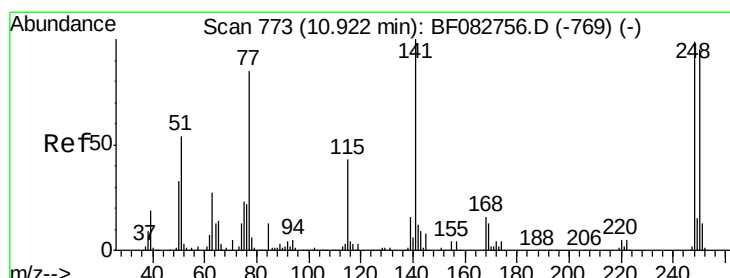
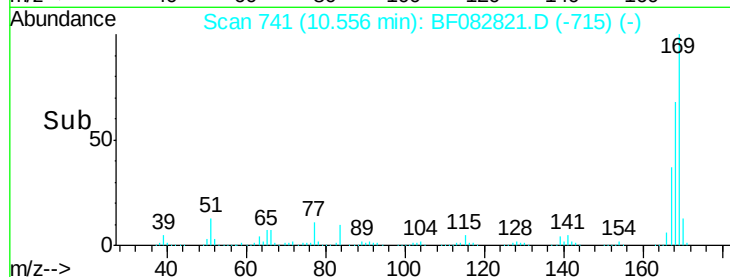
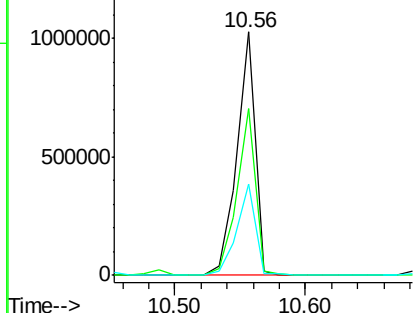
#65
 n-Nitrosodiphenylamine
 Concen: 42.79 ng
 RT: 10.56 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion:169 Resp: 993299
 Ion Ratio Lower Upper
 169 100
 168 68.4 55.0 82.6
 167 37.5 30.5 45.7

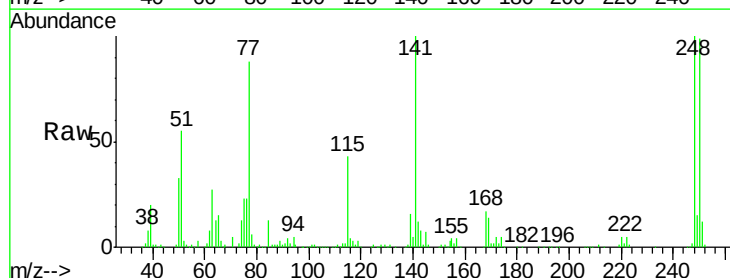


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

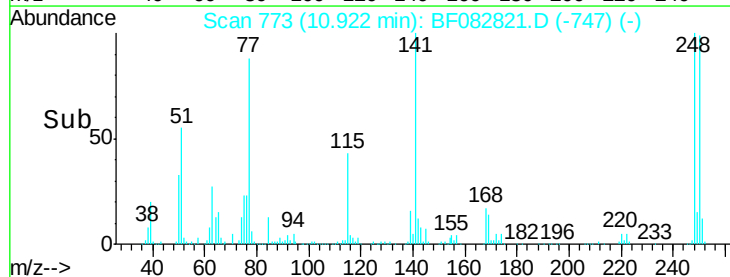
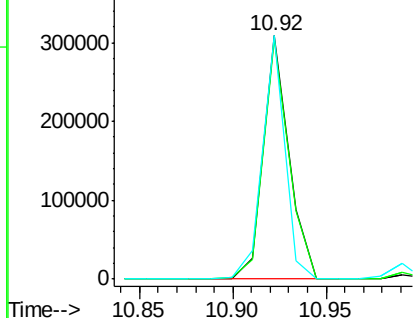


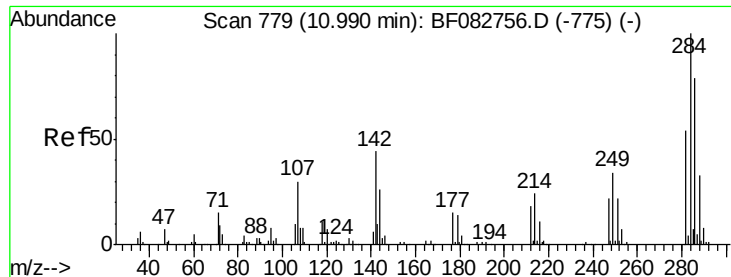
#66
 4-Bromophenyl-phenylether
 Concen: 37.72 ng
 RT: 10.92 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:248 Resp: 291867
 Ion Ratio Lower Upper
 248 100
 250 98.6 79.4 119.2
 141 100.0 36.3 54.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 37.05 ng

RT: 10.99 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

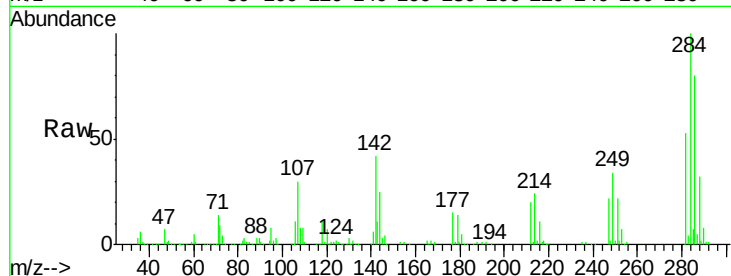
Tgt Ion:284 Resp: 320046

Ion Ratio Lower Upper

284 100

142 42.4 47.9 71.9#

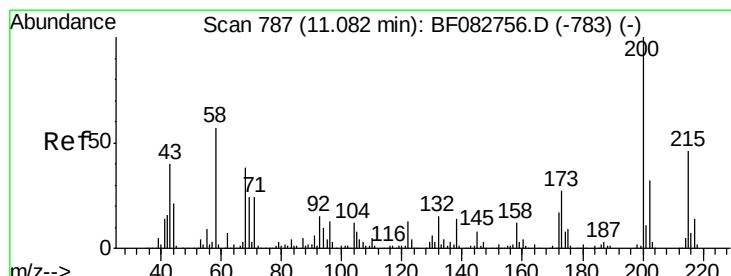
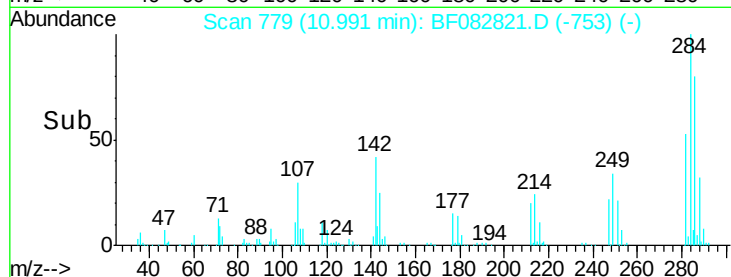
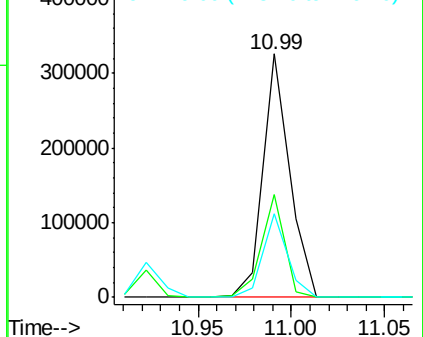
249 34.4 29.7 44.5



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: 35.88 ng

RT: 11.08 min Scan# 787

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

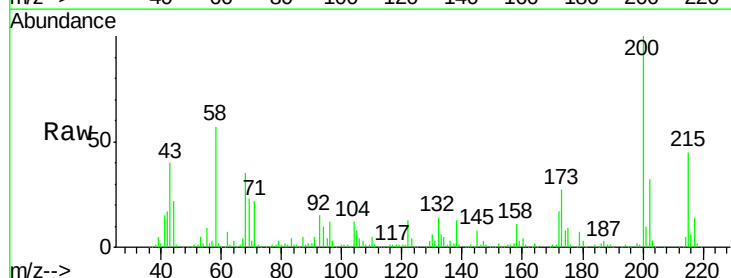
Tgt Ion:200 Resp: 257522

Ion Ratio Lower Upper

200 100

173 26.7 6.9 46.9

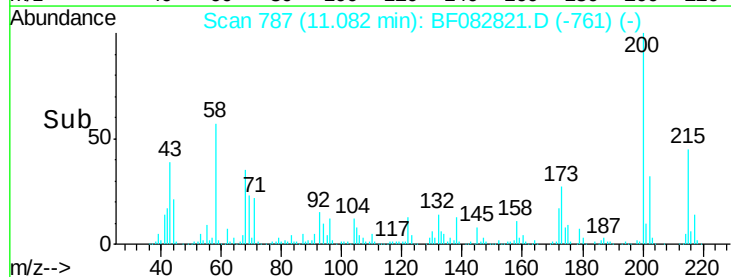
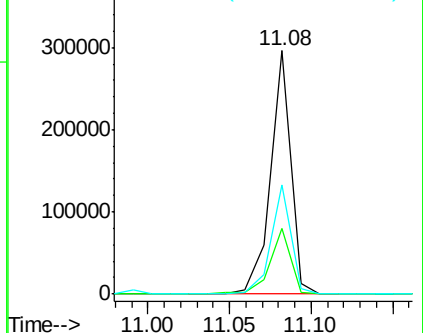
215 44.9 22.9 62.9

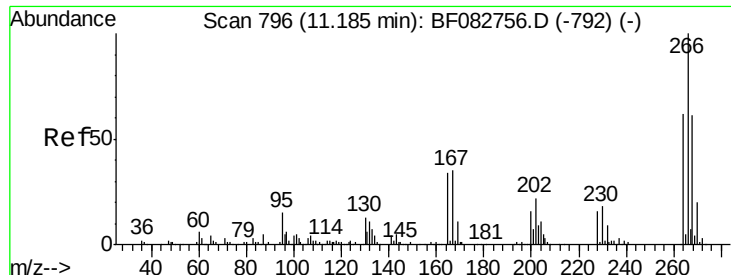


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

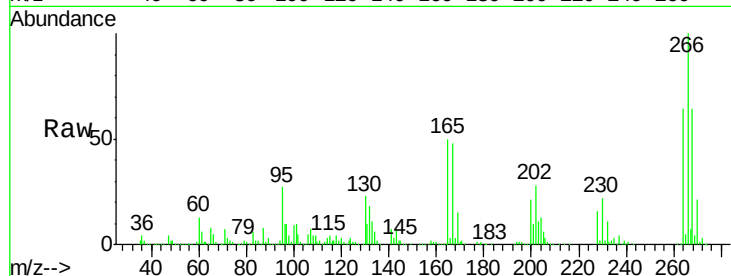




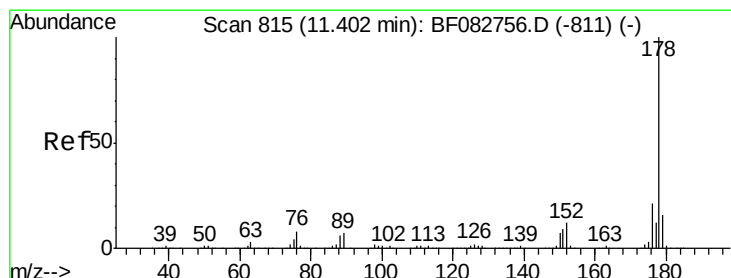
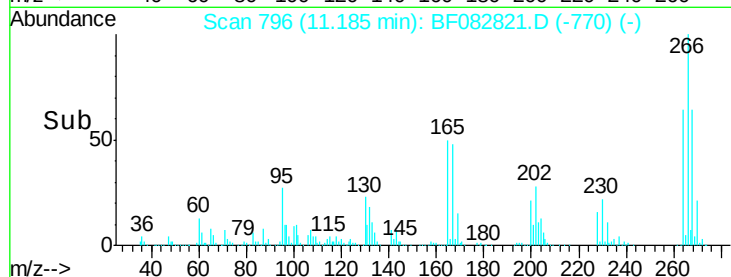
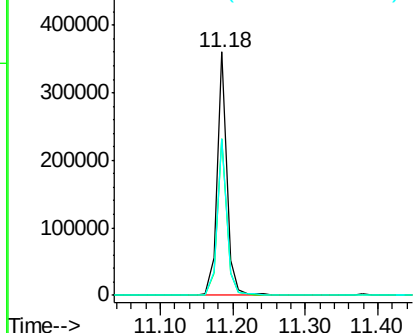
#69
 Pentachlorophenol
 Concen: 64.19 ng
 RT: 11.18 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tgt Ion: 266 Resp: 336744
 Ion Ratio Lower Upper
 266 100
 268 64.1 51.0 76.6
 264 64.1 50.6 75.8

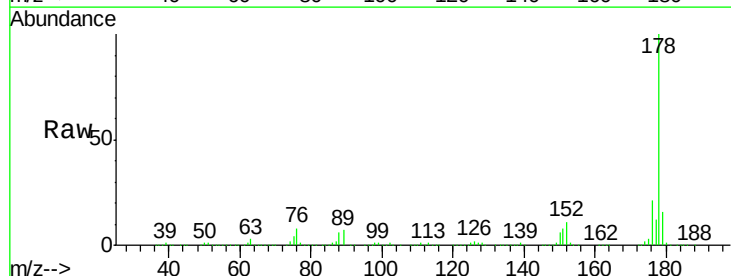


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

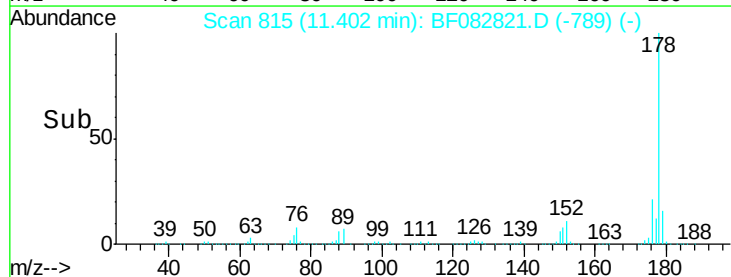
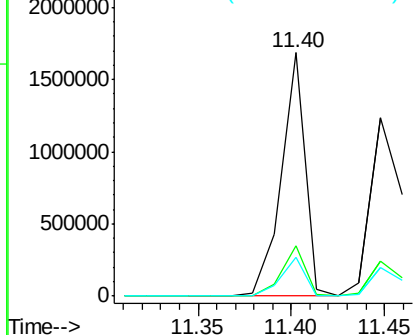


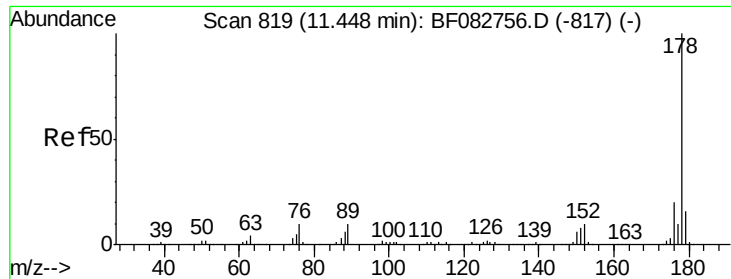
#70
 Phenanthrene
 Concen: 40.35 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion: 178 Resp: 1505624
 Ion Ratio Lower Upper
 178 100
 176 20.6 17.0 25.4
 179 16.1 13.4 20.0



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

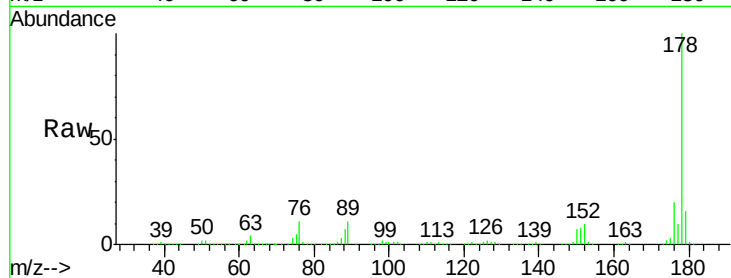




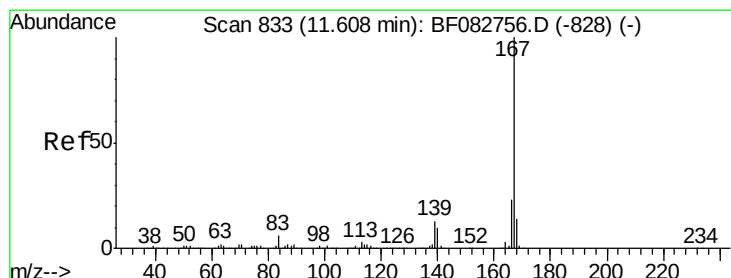
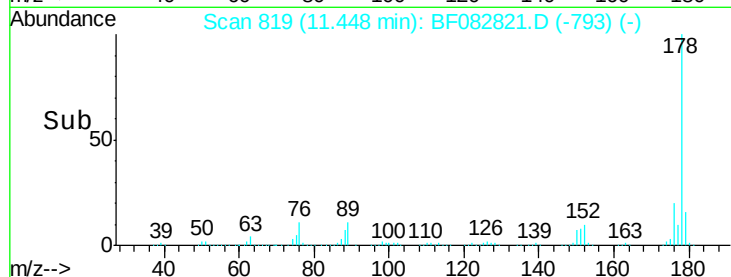
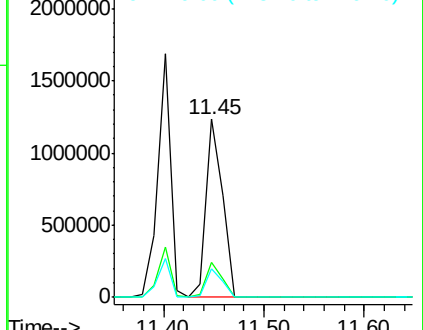
#71
 Anthracene
 Concen: 35.59 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tgt Ion:178 Resp: 1399025
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.5 24.7
 179 16.4 13.2 19.8

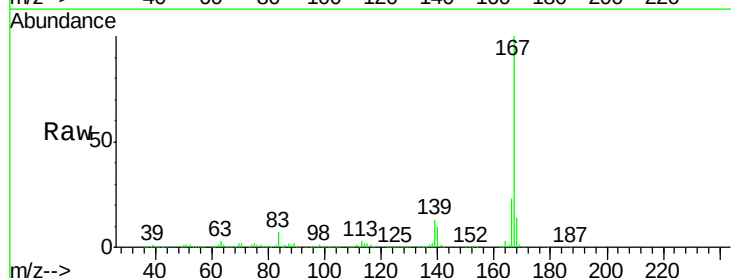


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

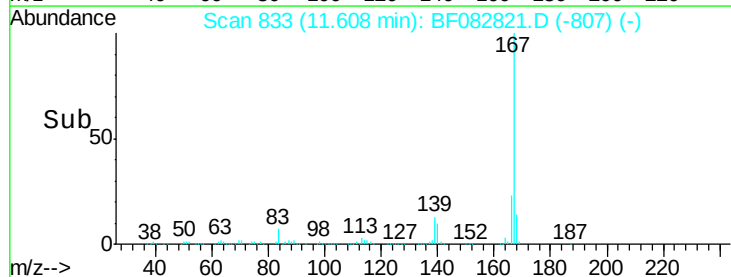
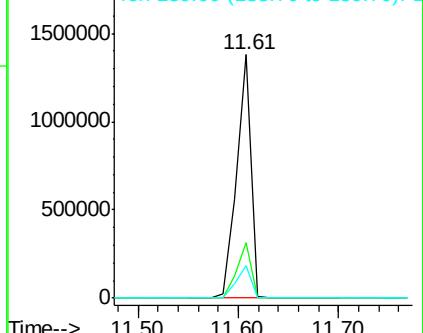


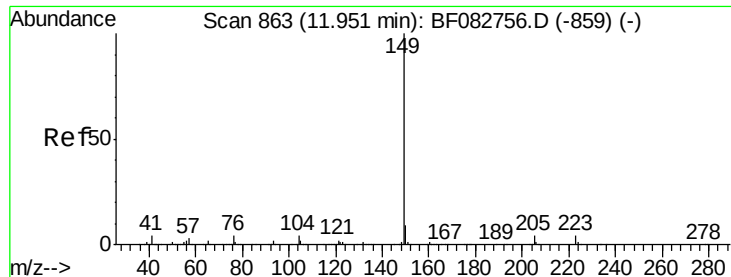
#72
 Carbazole
 Concen: 39.51 ng
 RT: 11.61 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:167 Resp: 1359465
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.7 28.1
 139 13.5 11.8 17.6



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: 40.46 ng

RT: 11.95 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

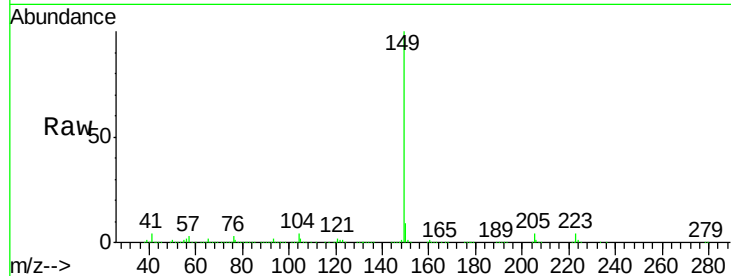
Tgt Ion:149 Resp: 1734319

Ion Ratio Lower Upper

149 100

150 9.3 8.1 12.1

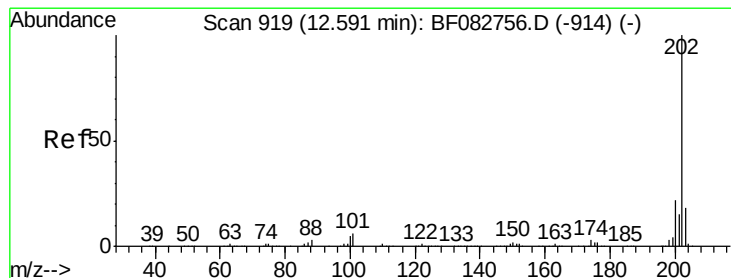
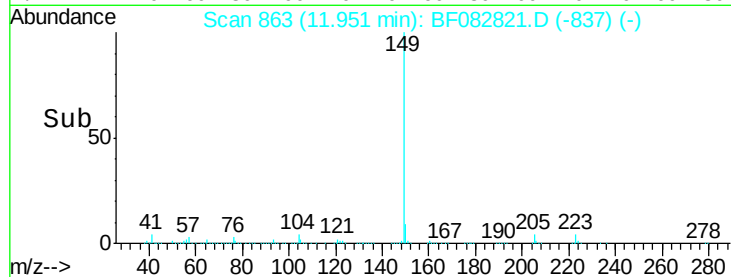
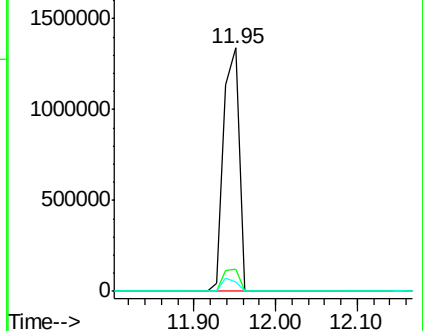
104 4.1 5.2 7.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 34.63 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

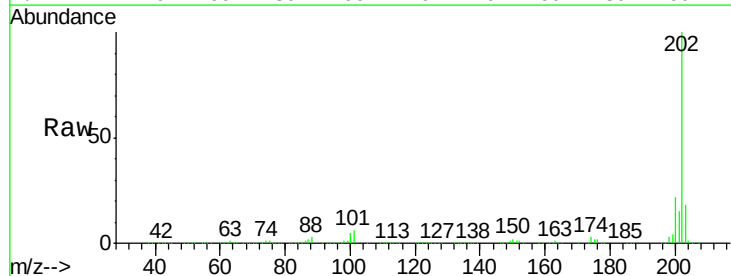
Tgt Ion:202 Resp: 1386491

Ion Ratio Lower Upper

202 100

101 6.4 0.0 30.5

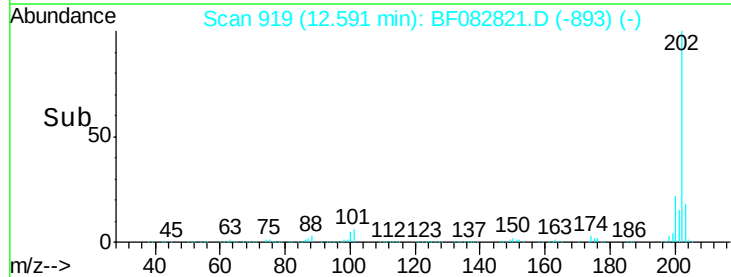
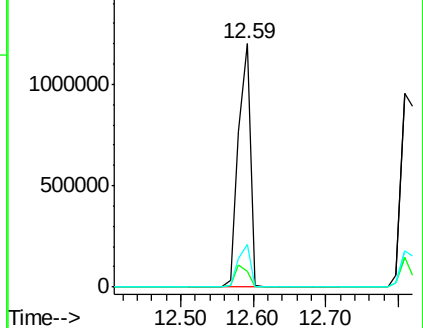
203 17.7 0.0 38.5

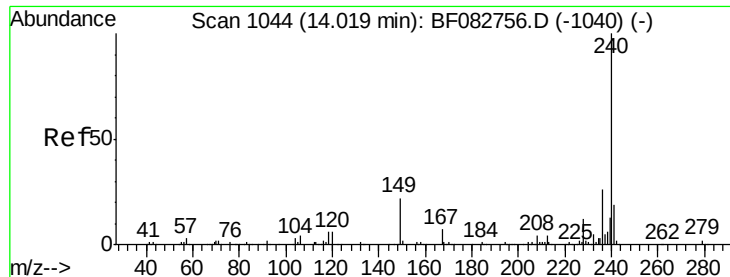


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

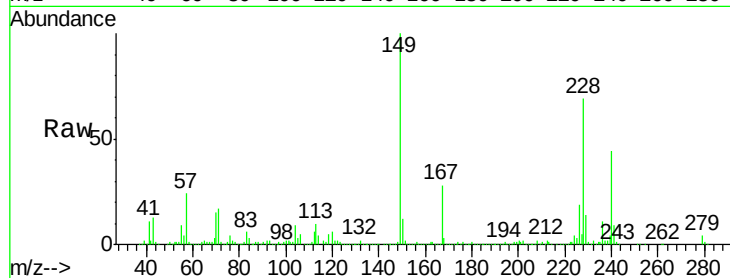
Tgt Ion:240 Resp: 409803

Ion Ratio Lower Upper

240 100

120 13.0 10.9 16.3

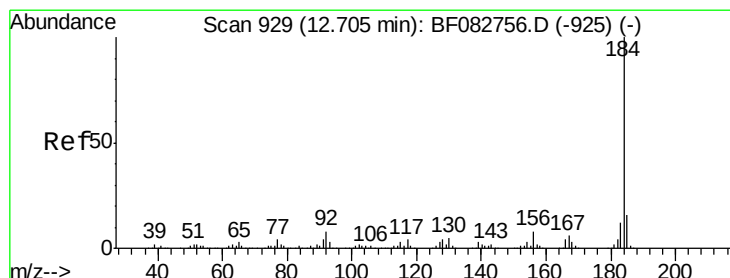
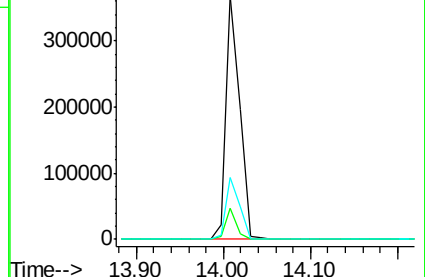
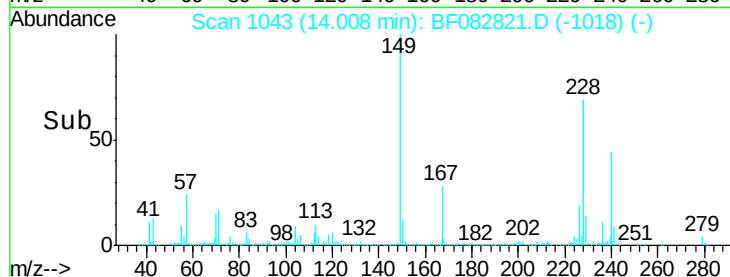
236 25.6 21.6 32.4



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: 18.26 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

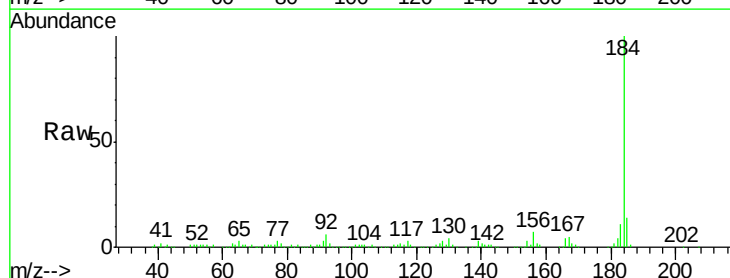
Tgt Ion:184 Resp: 250817

Ion Ratio Lower Upper

184 100

185 13.8 12.0 18.0

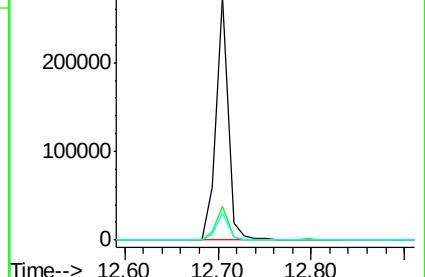
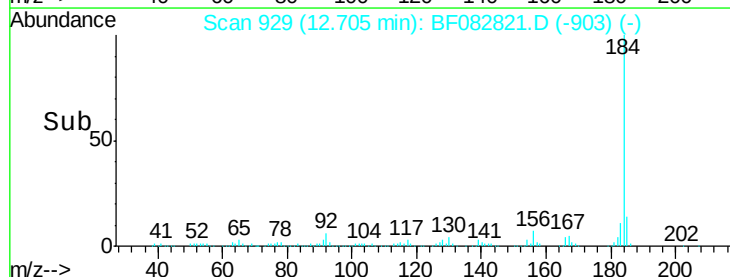
183 11.4 9.6 14.4

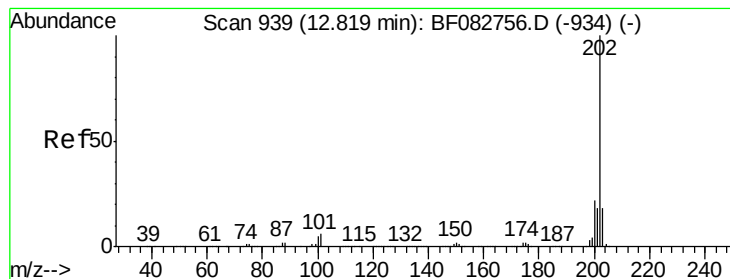


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 46.90 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITMSD

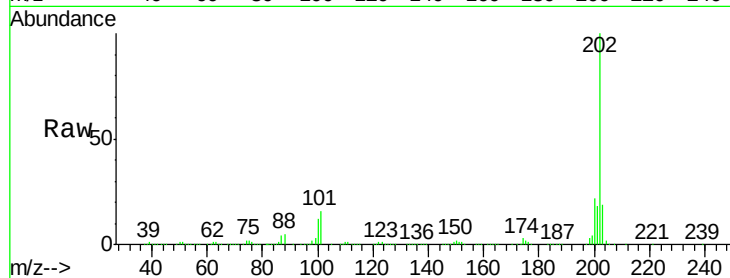
Tgt Ion:202 Resp: 1319874

Ion Ratio Lower Upper

202 100

200 21.9 18.7 28.1

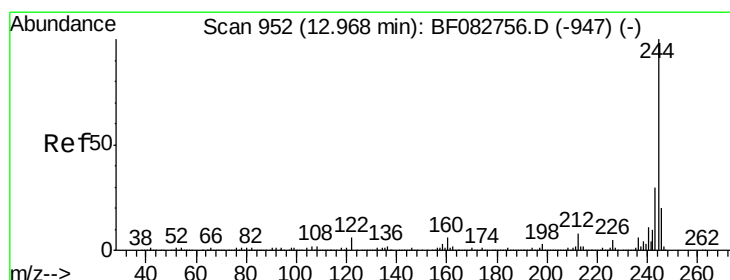
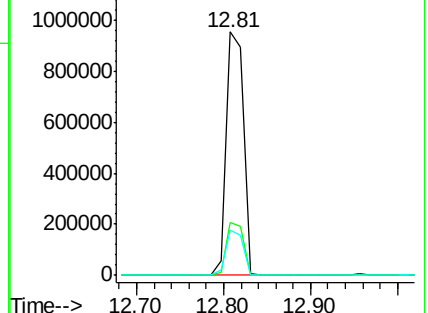
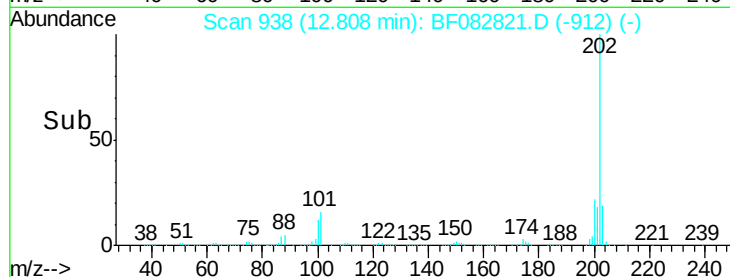
203 18.7 14.8 22.2



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: 89.22 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

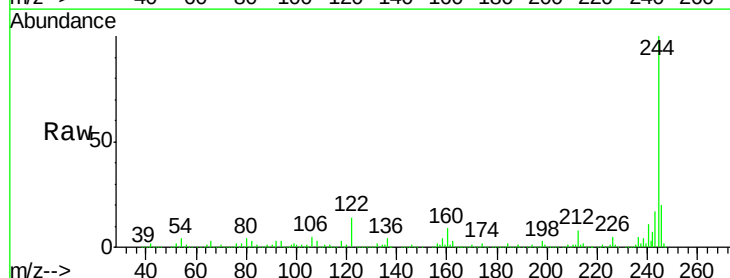
Tgt Ion:244 Resp: 1541619

Ion Ratio Lower Upper

244 100

212 8.3 7.6 11.4

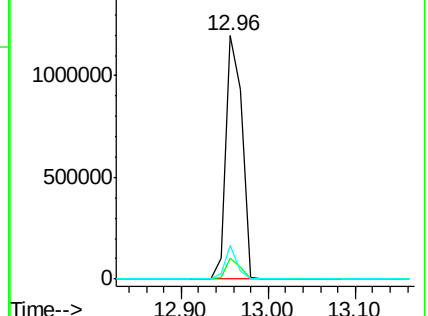
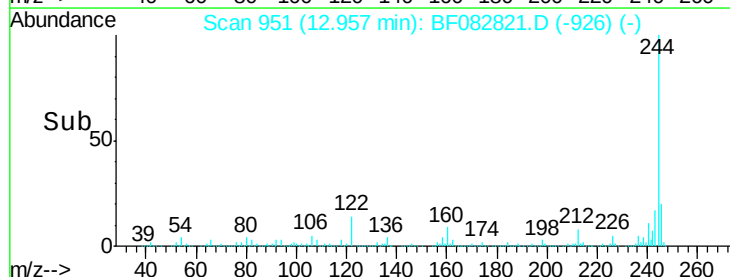
122 13.6 11.3 16.9

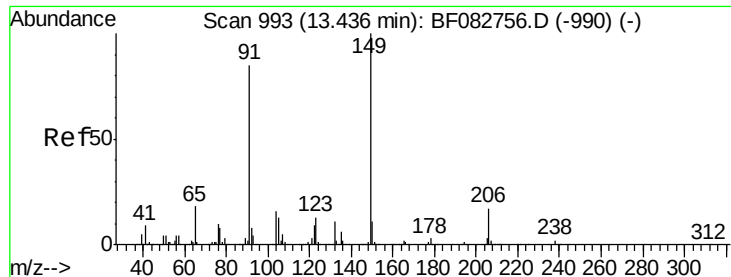


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

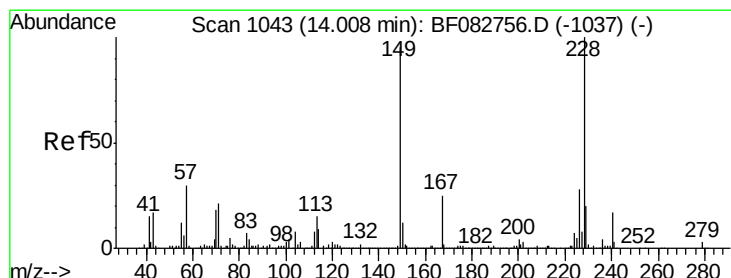
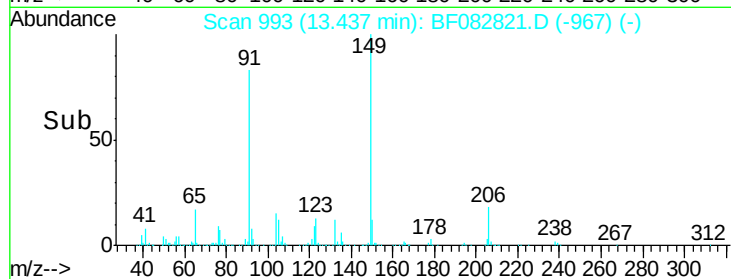
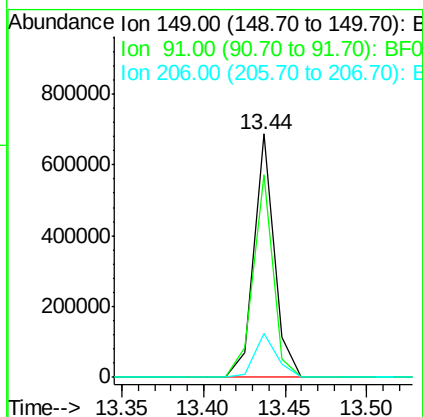
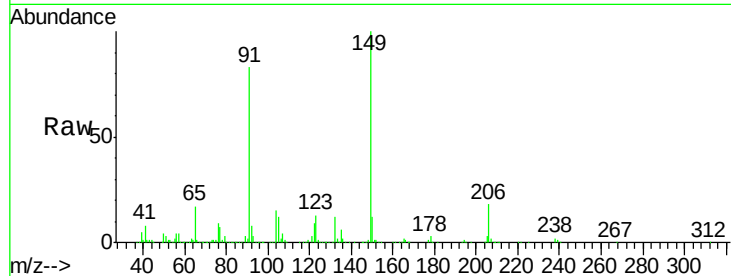




#79
Butylbenzylphthalate
Concen: 48.25 ng
RT: 13.44 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

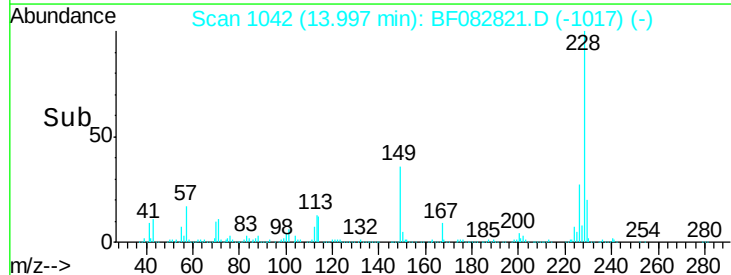
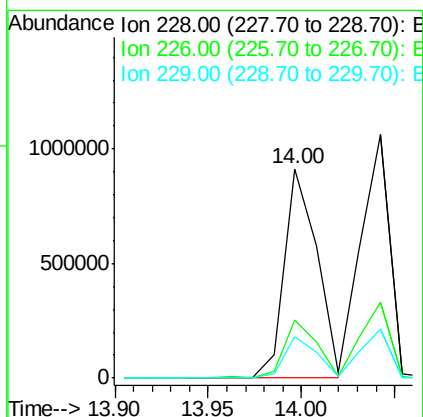
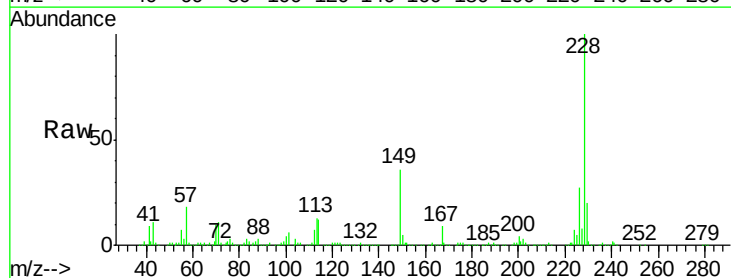
Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

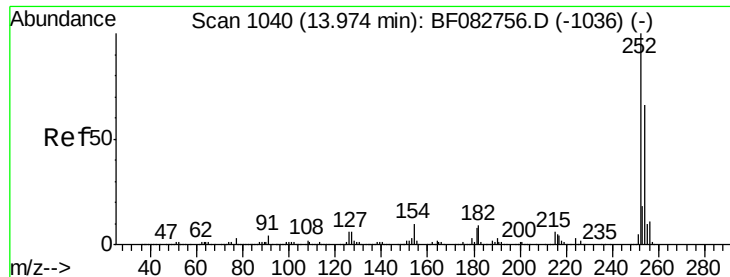
Tgt Ion:149 Resp: 599935
Ion Ratio Lower Upper
149 100
91 83.3 67.7 101.5
206 17.9 14.6 22.0



#80
Benzo(a)anthracene
Concen: 43.35 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:228 Resp: 1110978
Ion Ratio Lower Upper
228 100
226 27.5 23.4 35.2
229 19.7 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 37.24 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

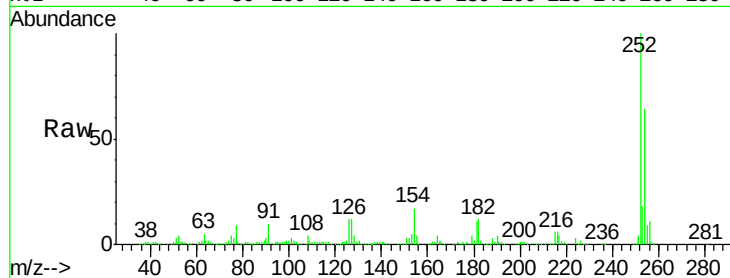
Tgt Ion:252 Resp: 339229

Ion Ratio Lower Upper

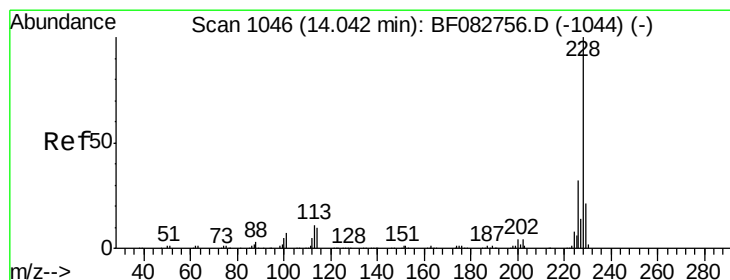
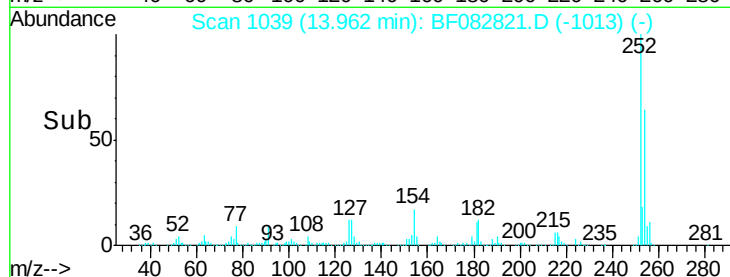
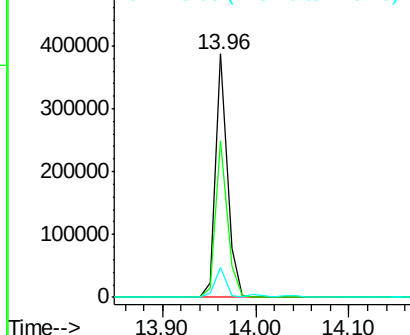
252 100

254 64.2 51.4 77.0

126 12.1 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 48.32 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

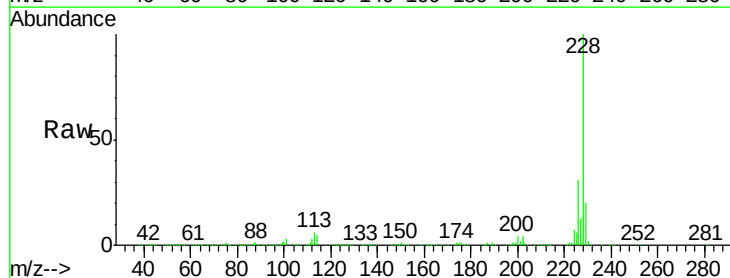
Tgt Ion:228 Resp: 1134167

Ion Ratio Lower Upper

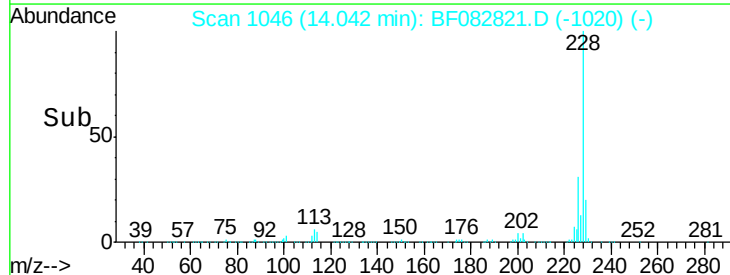
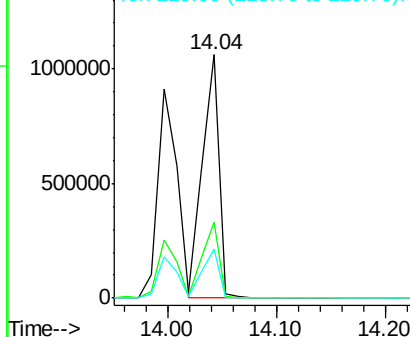
228 100

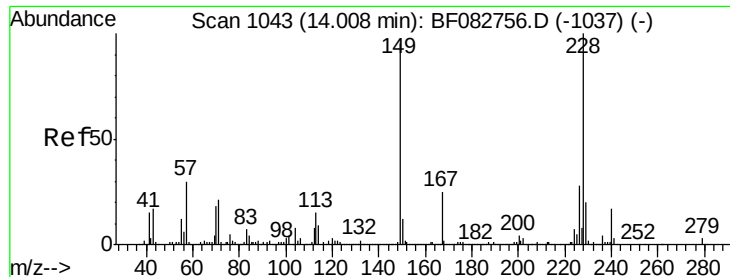
226 31.3 25.5 38.3

229 20.0 16.3 24.5



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

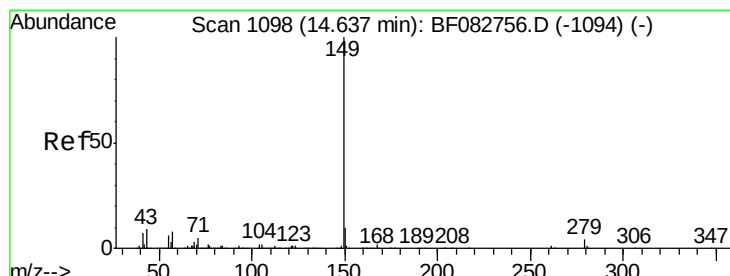
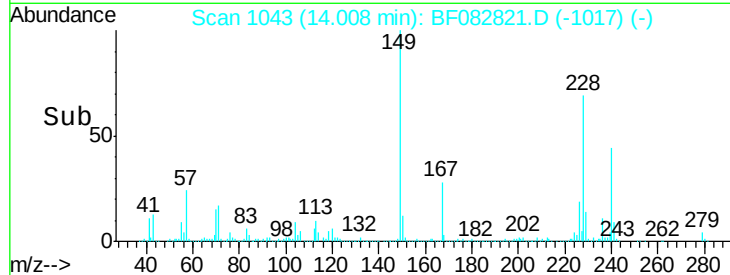
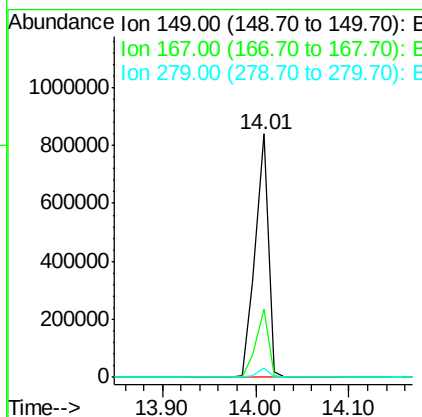
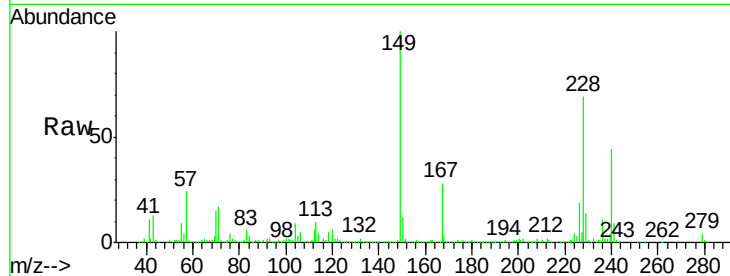




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.60 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

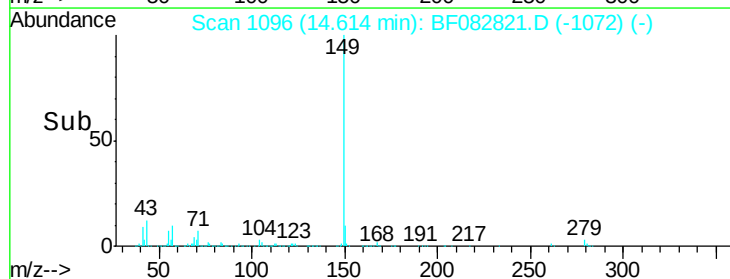
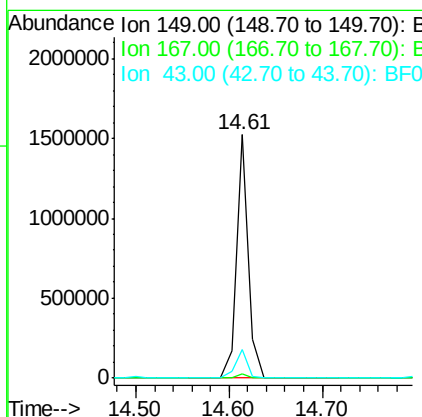
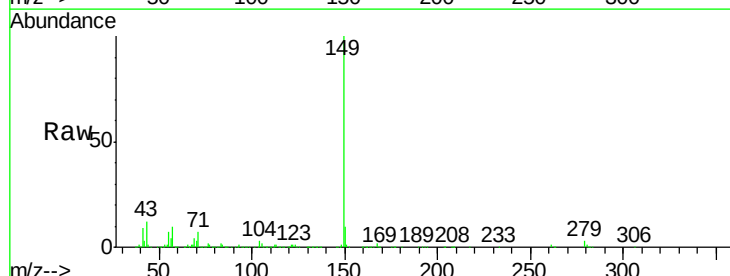
Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

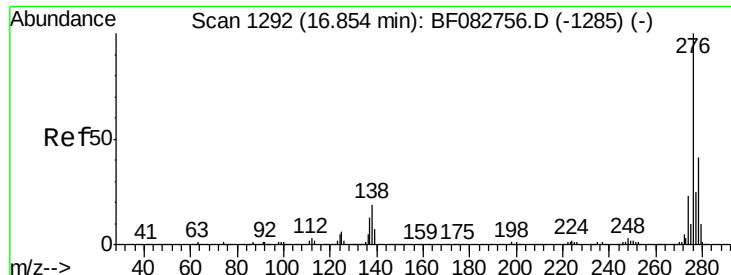
Tgt Ion:149 Resp: 826966
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.2 31.8
 279 4.1 2.2 3.2#



#84
 Di-n-octyl phthalate
 Concen: 47.06 ng
 RT: 14.61 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:149 Resp: 1335876
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.9 10.1 15.1

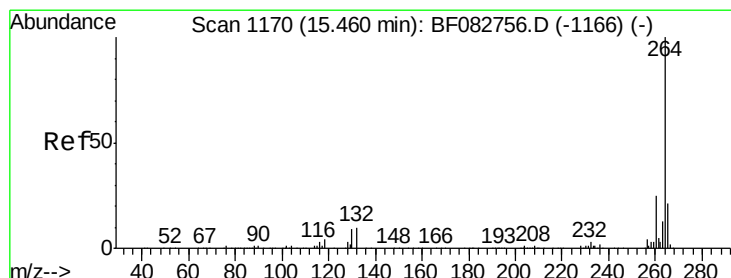
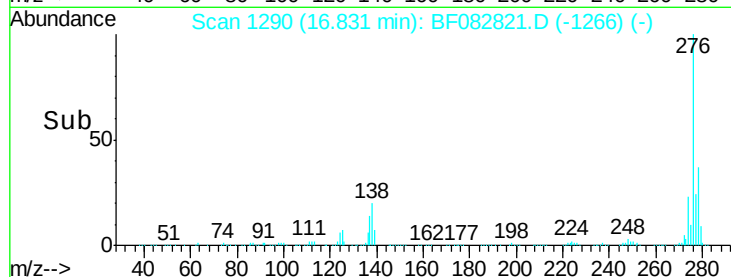
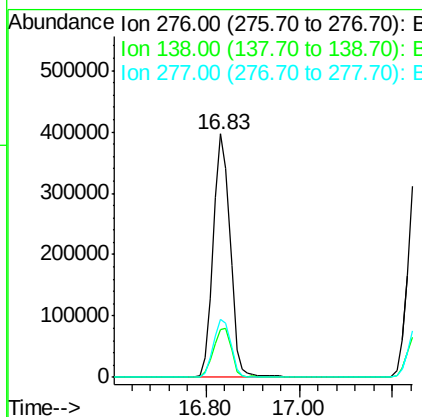
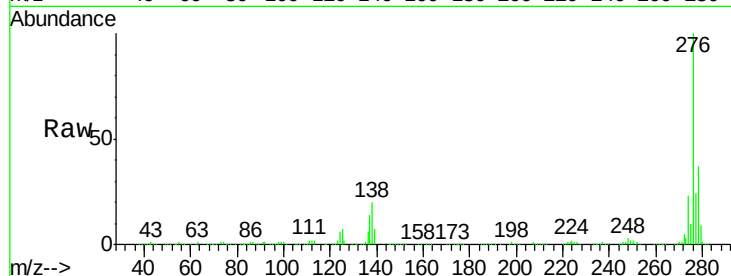




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.94 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

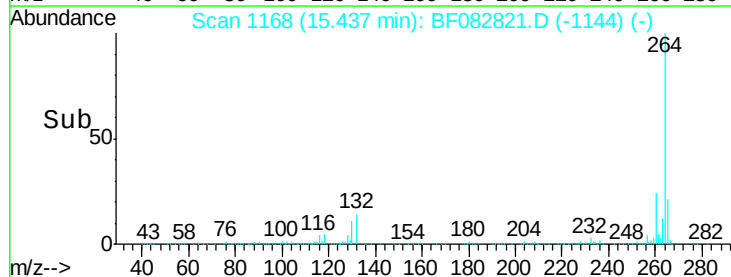
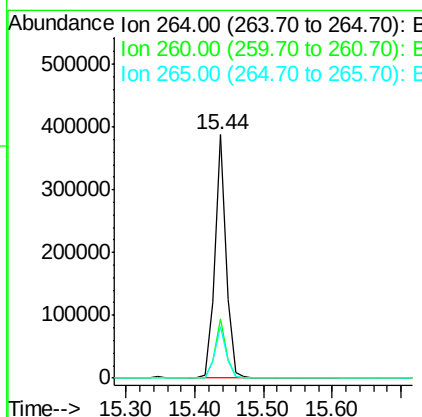
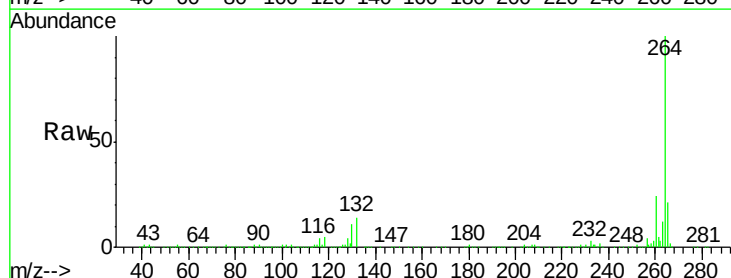
Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

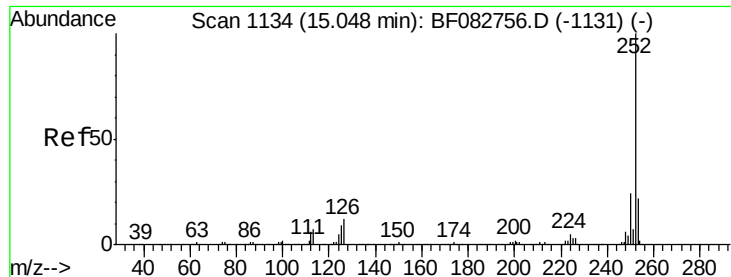
Tgt Ion:276 Resp: 1009565
 Ion Ratio Lower Upper
 276 100
 138 21.3 15.3 22.9
 277 24.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:264 Resp: 450411
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 21.1 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 71.26 ng

RT: 15.06 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITE.MSD

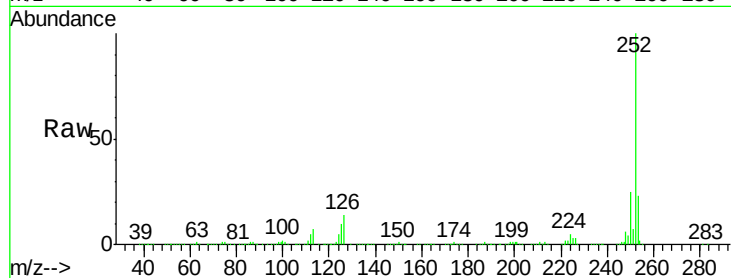
Tgt Ion:252 Resp: 2060145

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

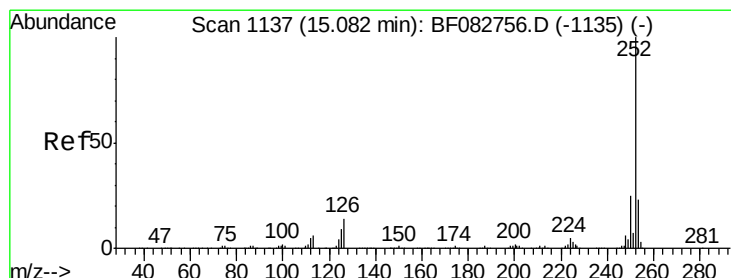
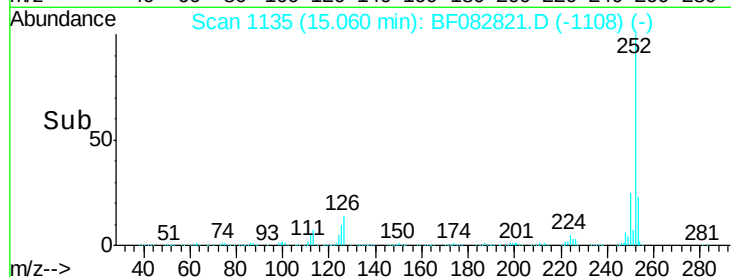
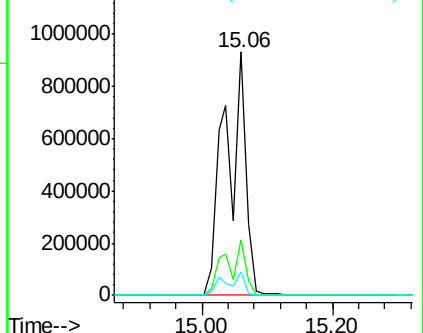
125 9.7 5.4 8.2#



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: 80.33 ng

RT: 15.06 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

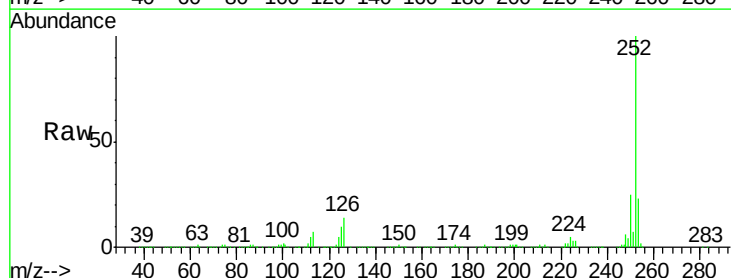
Tgt Ion:252 Resp: 2060145

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

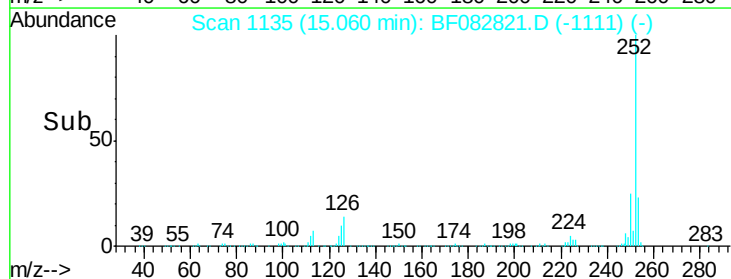
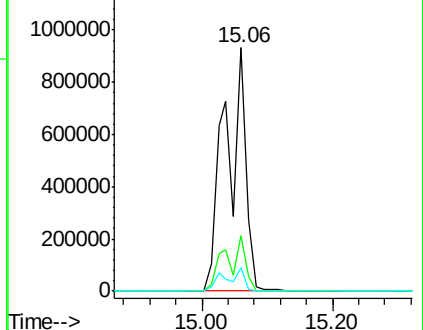
125 9.7 3.5 5.3#

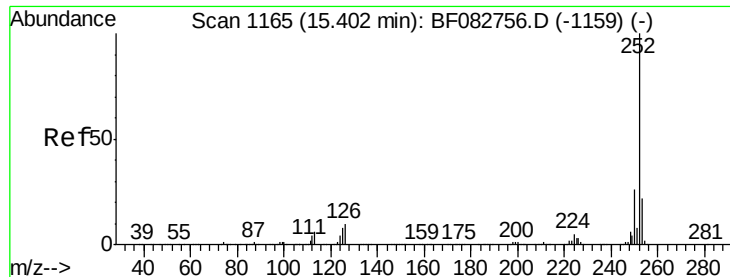


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

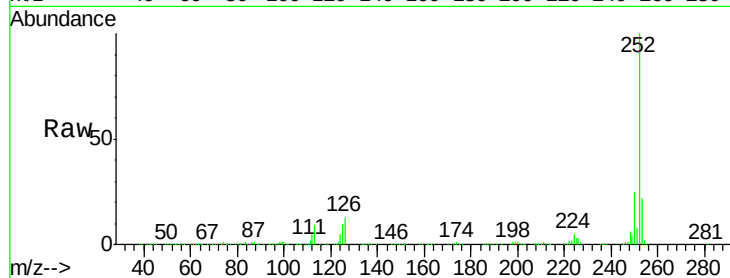




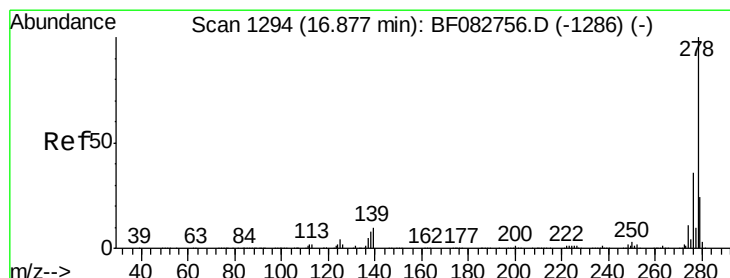
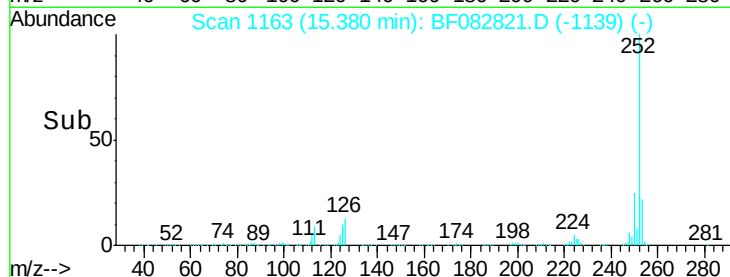
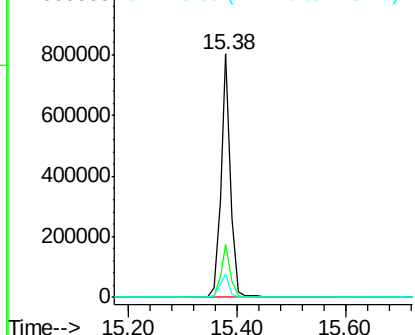
#89
Benzo(a)pyrene
Concen: 39.71 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

Tgt Ion: 252 Resp: 994682
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 9.8 7.1 10.7

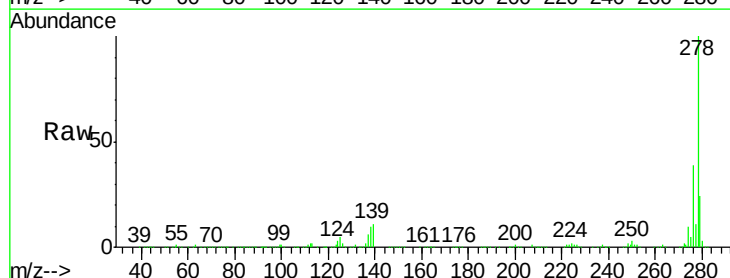


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

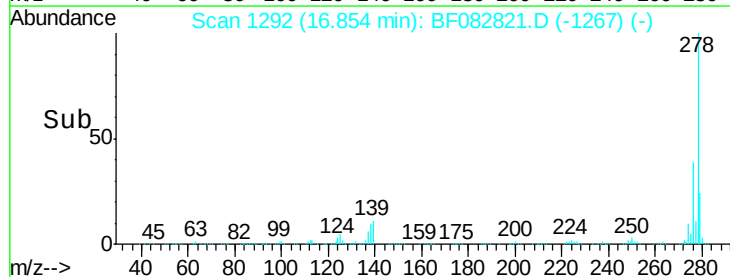
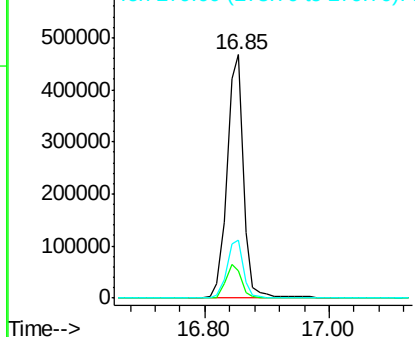


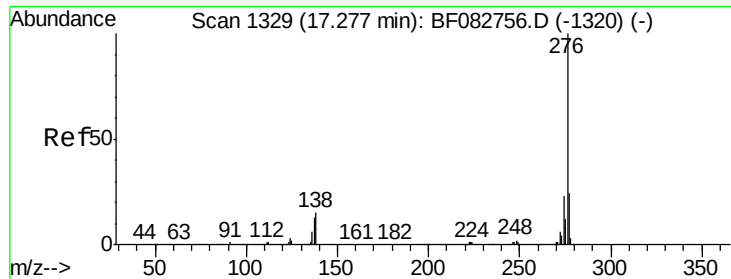
#90
Dibenzo(a,h)anthracene
Concen: 40.61 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion: 278 Resp: 861295
Ion Ratio Lower Upper
278 100
139 11.0 9.9 14.9
279 24.0 19.6 29.4



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: 39.05 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	17.5	13.1	19.7

