

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087914.D
 Acq On : 11 Jun 2016 21:02
 Operator : UM/SJ
 Sample : H3446-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Quant Time: Jun 12 05:31:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	315348	20.00	ng	0.11
21) Naphthalene-d8	8.41	136	396	20.00	ng	0.29
38) Acenaphthene-d10	10.30	164	6472	20.00	ng	0.41
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.36
75) Chrysene-d12	14.17	240	315	20.00	ng	0.18
86) Perylene-d12	0.00	264	0	0.00	ng	-15.39
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	667894	36.21	ng	-0.02
7) Phenol-d6	6.44	99	859244	38.44	ng	-0.03
23) Nitrobenzene-d5	7.63	82	638940	94218.06	ng	0.22
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	12.91	244	1074311	77607.99	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	2.50	88	76876	8.58	ng	# 37
3) Pyridine	3.19	79	238741	11.28	ng	94
4) n-Nitrosodimethylamine	3.11	42	102848	11.48	ng	89
6) Aniline	6.47	93	234264	7.36	ng	95
8) 2-Chlorophenol	6.59	128	319567	14.64	ng	85
10) Phenol	6.46	94	343617	13.12	ng	86
11) bis(2-Chloroethyl)ether	6.55	93	323459	16.50	ng	86
12) 1,3-Dichlorobenzene	6.97	146	295995	12.64	ng	96
13) 1,4-Dichlorobenzene	6.97	146	295995	12.54	ng	94
14) 1,2-Dichlorobenzene	6.97	146	295995	13.79	ng	# 90
15) Benzyl Alcohol	6.95	79	258039	14.75	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	401671	15.17	ng	90
17) 2-Methylphenol	7.07	107	275341	15.55	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	79837	5.58	ng	# 73
20) 3+4-Methylphenols	7.22	107	296495	14.35	ng	# 80
22) Acetophenone	7.75	105	10943	1236.55	ng	# 1
24) Nitrobenzene	7.63	77	21100	3212.07	ng	# 74
27) 2,4-Dimethylphenol	7.88	122	208779	32224.44	ng	# 9
30) 1,2,4-Trichlorobenzene	8.25	180	2160	366.71	ng	88
31) Naphthalene	8.16	128	12012	612.96	ng	# 1
32) Benzoic acid	8.24	122	6218	1742.91	ng	# 4
33) 4-Chloroaniline	8.66	127	957	109.36	ng	# 1
35) Caprolactam	8.90	113	13560	7567.77	ng	# 1
36) 4-Chloro-3-methylphenol	8.97	107	20887	3610.48	ng	# 9
37) 2-Methylnaphthalene	8.90	142	613966	47533.67	ng	# 94
42) 2,4,6-Trichlorophenol	9.28	196	2537	19.60	ng	95
45) 1,1'-Biphenyl	9.88	154	741635	1763.65	ng	# 14
46) 2-Chloronaphthalene	9.77	162	1449	3.46	ng	# 36
47) 2-Nitroaniline	9.79	65	97676	790.61	ng	# 74
48) Acenaphthylene	9.88	152	333569	500.73	ng	# 1
49) Dimethylphthalate	10.00	163	224615	479.11	ng	# 96
50) 2,6-Dinitrotoluene	10.04	165	268831	2503.86	ng	# 85
51) Acenaphthene	10.51	154	16992	40.89	ng	# 25
52) 3-Nitroaniline	10.42	138	190045	1533.97	ng	# 28

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087914.D
 Acq On : 11 Jun 2016 21:02
 Operator : UM/SJ
 Sample : H3446-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

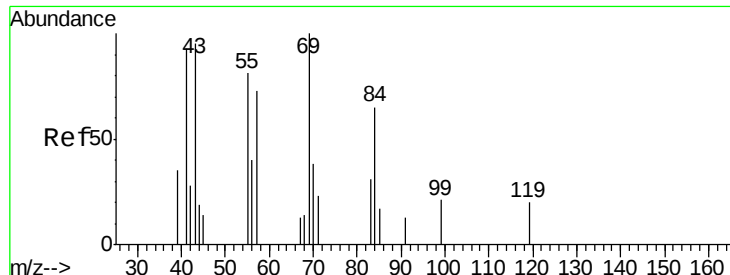
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Quant Time: Jun 12 05:31:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

53) 2,4-Dinitrophenol	10.55	184	1640	33.80	nq	# 1
54) Dibenzofuran	10.51	168	458959	801.93	nq	# 1
55) 4-Nitrophenol	10.40	139	100440	1044.53	nq	# 25
56) 2,4-Dinitrotoluene	10.40	165	725214	5255.88	nq	# 40
57) Fluorene	10.64	166	13721	34.33	nq	# 84
58) 2,3,4,6-Tetrachlorophenol	10.46	232	523	4.94	nq	# 96
61) 4-Nitroaniline	10.88	138	1482	12.61	nq	# 1
62) Azobenzene	10.88	77	131933	281.14	nq	# 53
76) Benzidine	12.91	184	14974	1716.80	nq	97
77) Pvrene	12.77	202	979849	41918.59	nq	99
79) Butylbenzylphthalate	13.39	149	520796	50394.33	nq	92
80) Benzo(a)anthracene	13.99	228	796545	44374.32	nq	96
81) 3,3'-Dichlorobenzidine	13.92	252	175955	36450.36	nq	# 97
82) Chrysene	13.99	228	796545	47167.04	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	551594	43845.95	nq	100
84) Di-n-octyl phthalate	14.57	149	1135317	55538.42	nq	# 100
85) Indeno(1,2,3-cd)pyrene	17.17	276	630427	40180.00	nq	# 100

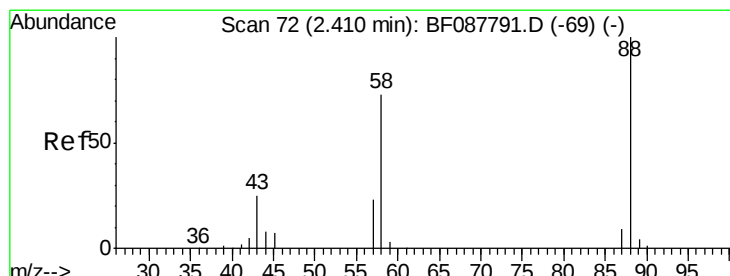
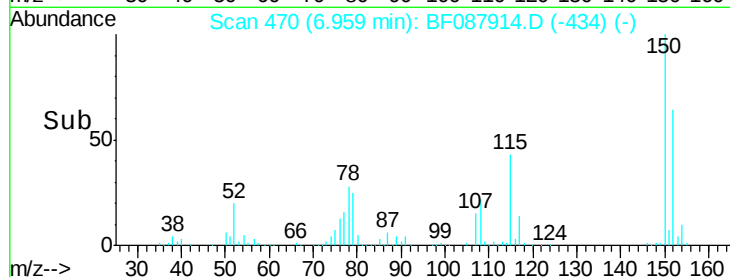
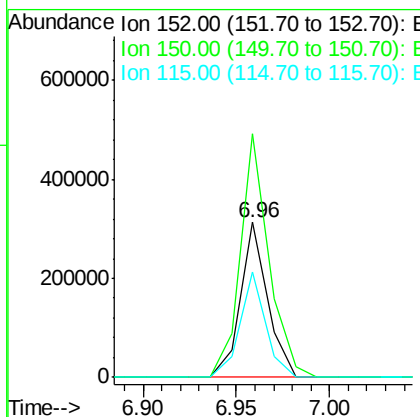
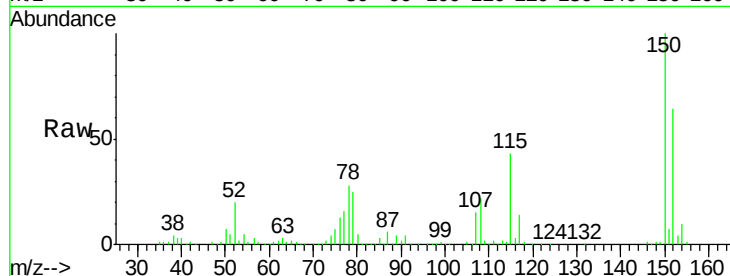
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 470
 Delta R.T. 0.11 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

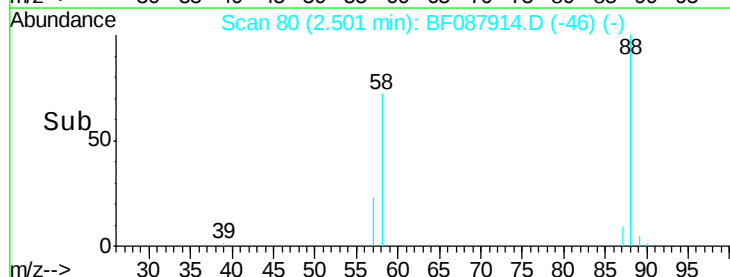
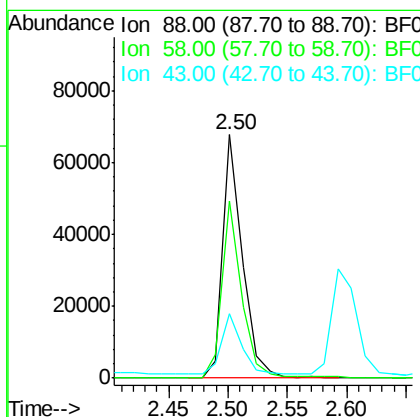
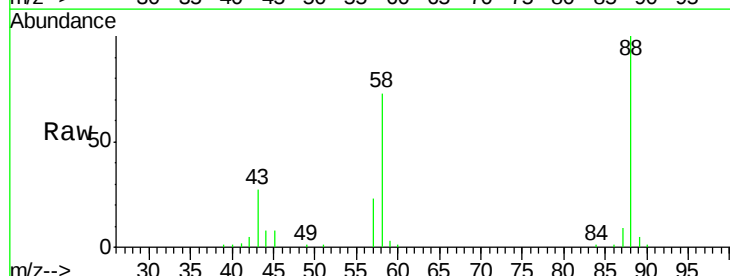
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

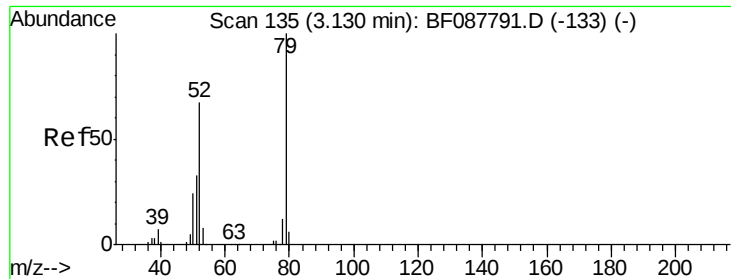
Tot Ion:152 Resp: 315348
 Ion Ratio Lower Upper
 152 100
 150 157.2 123.8 185.6
 115 68.1 39.6 59.4#



#2
 1,4-Dioxane
 Concen: 8.58 ng
 RT: 2.50 min Scan# 80
 Delta R.T. 0.09 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion: 88 Resp: 76876
 Ion Ratio Lower Upper
 88 100
 58 73.7 0.0 0.0#
 43 25.0 3.4 5.2#





#3

Pvridine

Concen: 11.28 ng

RT: 3.19 min Scan# 140

Delta R.T. 0.06 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

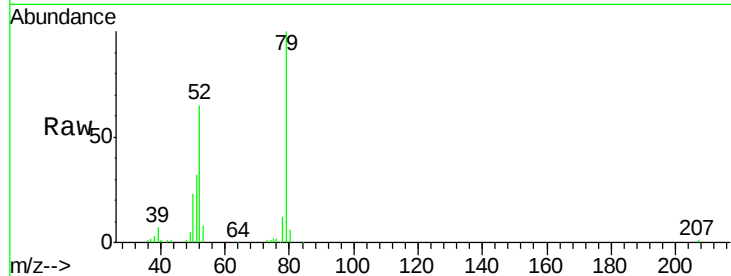
Tot Ion: 79 Resp: 238741

Ion Ratio Lower Upper

79 100

52 64.9 56.3 84.5

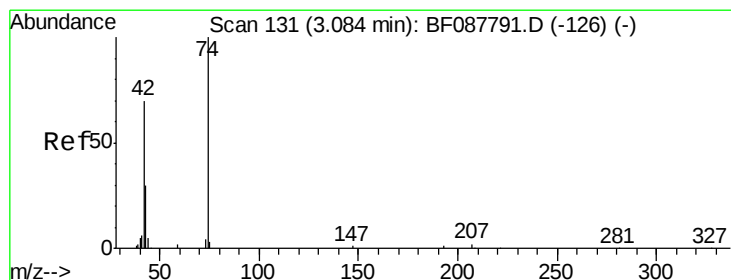
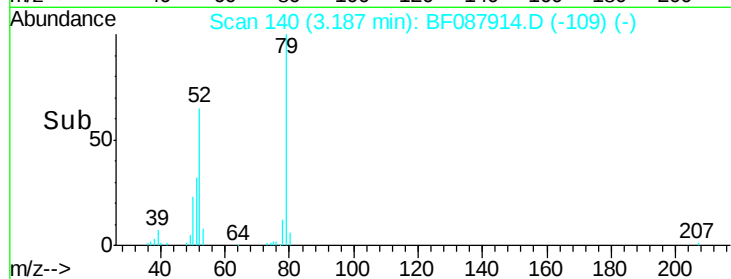
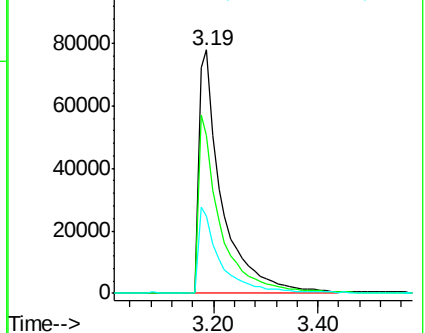
51 31.7 27.4 41.2



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: 11.48 ng

RT: 3.11 min Scan# 133

Delta R.T. 0.02 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

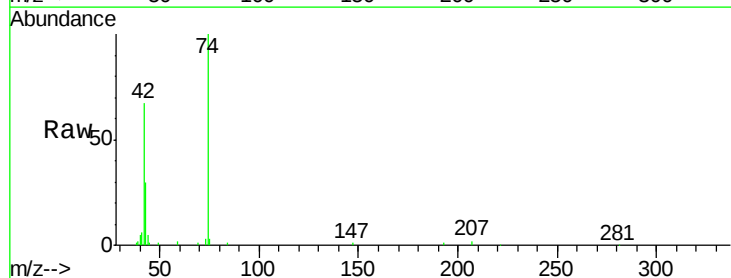
Tgt Ion: 42 Resp: 102848

Ion Ratio Lower Upper

42 100

74 149.7 108.6 163.0

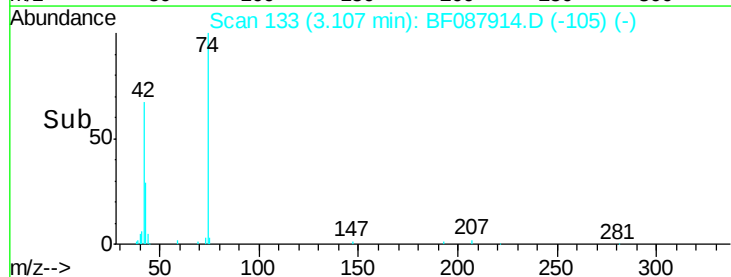
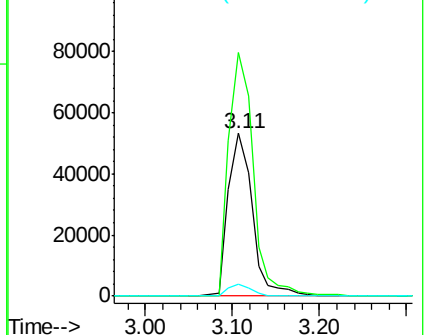
44 7.2 5.5 8.3

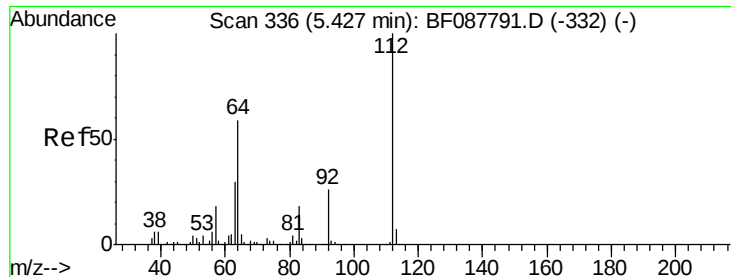


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 36.21 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

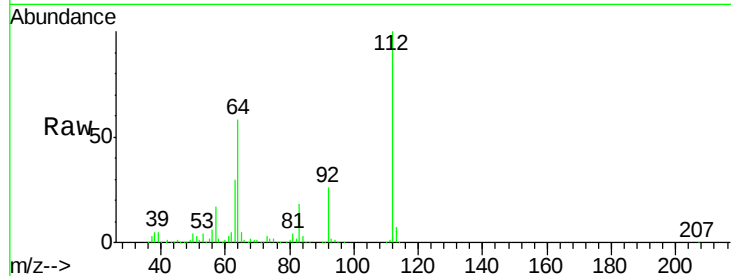
Tot Ion:112 Resp: 667894

Ion Ratio Lower Upper

112 100

64 57.6 42.2 63.2

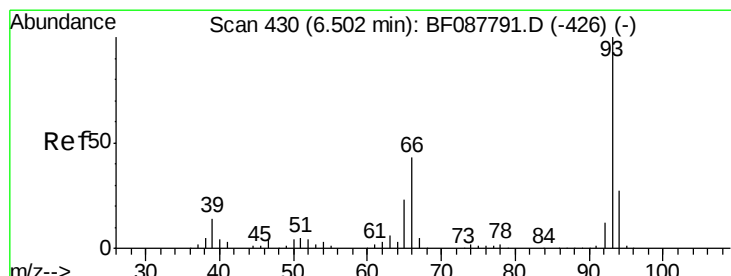
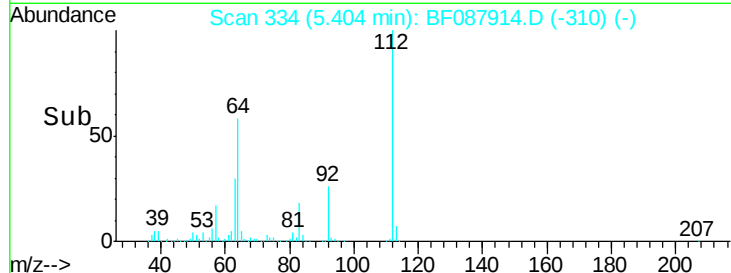
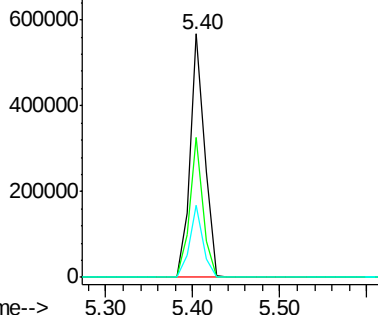
63 29.6 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 7.36 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

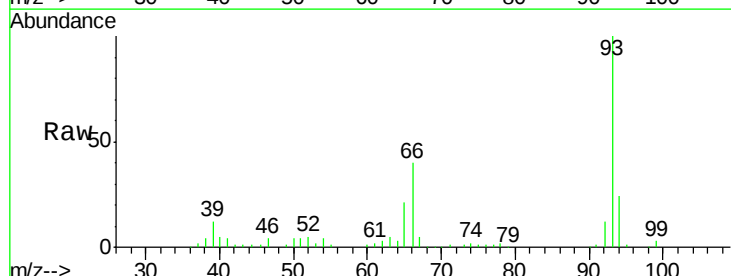
Tgt Ion: 93 Resp: 234264

Ion Ratio Lower Upper

93 100

66 40.4 29.8 44.8

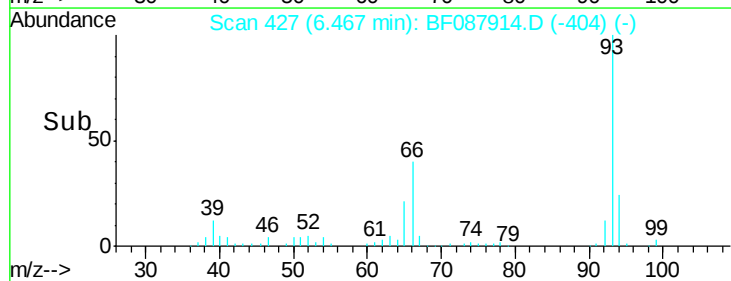
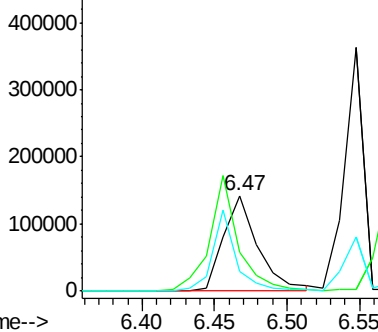
65 21.1 14.9 22.3

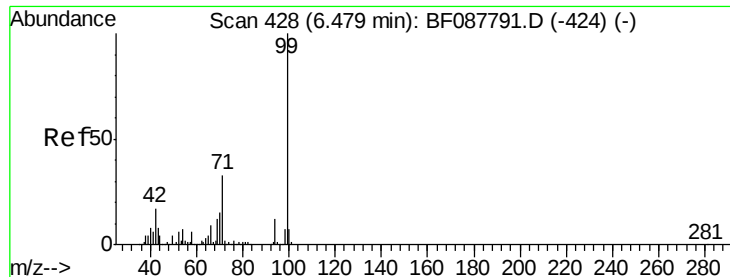


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 38.44 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

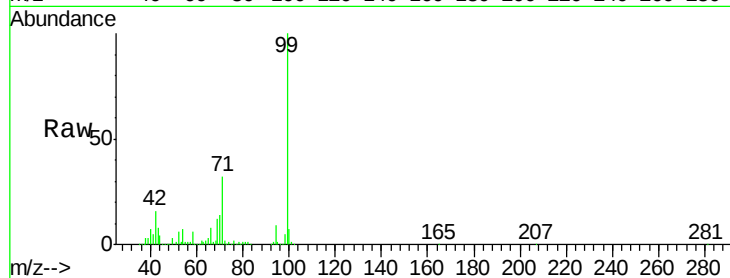
Tot Ion: 99 Resp: 859244

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

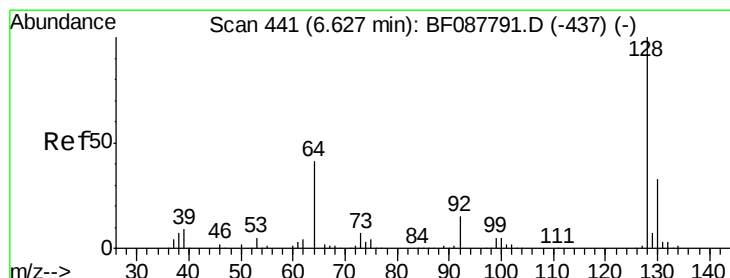
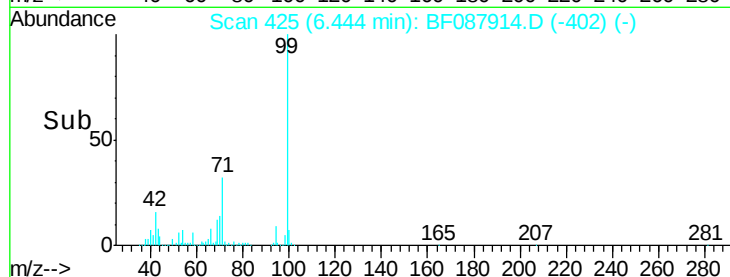
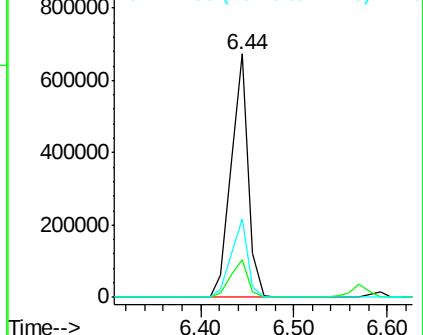
71 32.1 23.4 35.0



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: 14.64 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.03 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

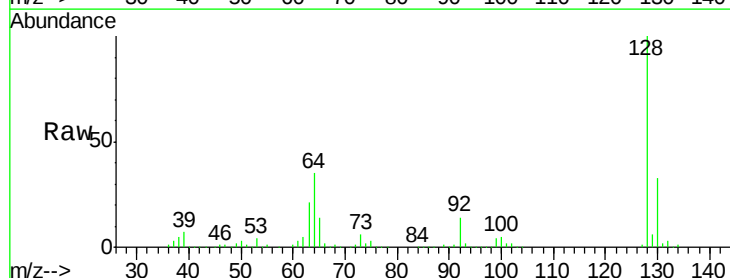
Tgt Ion: 128 Resp: 319567

Ion Ratio Lower Upper

128 100

130 33.3 12.0 52.0

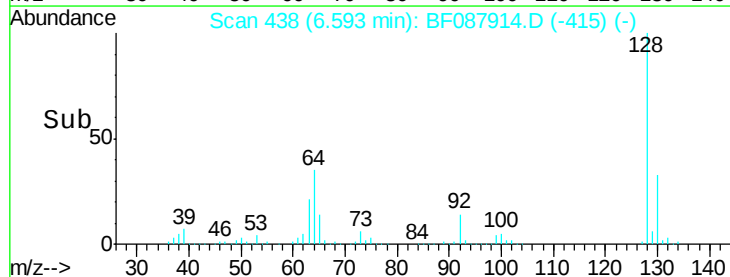
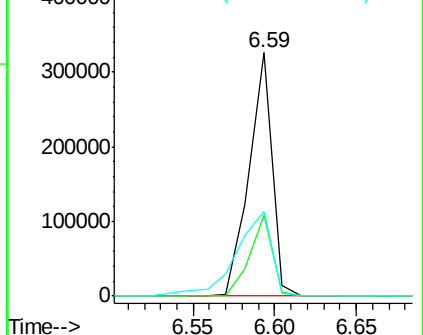
64 34.9 30.8 70.8

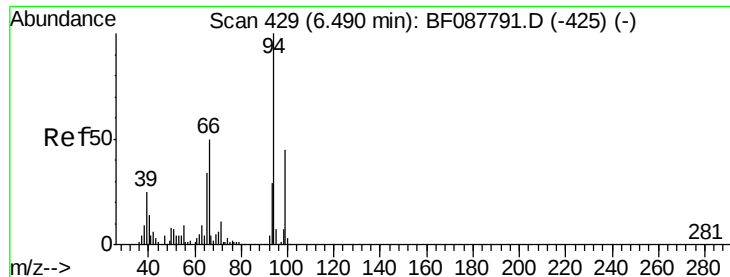


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 13.12 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

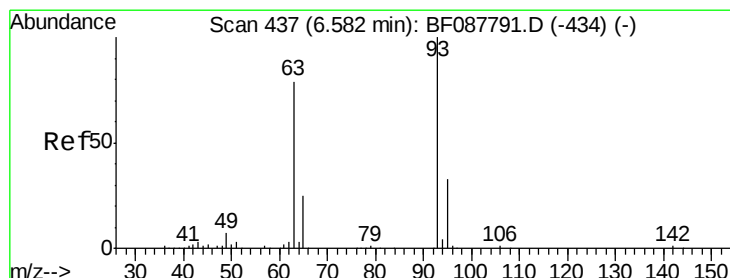
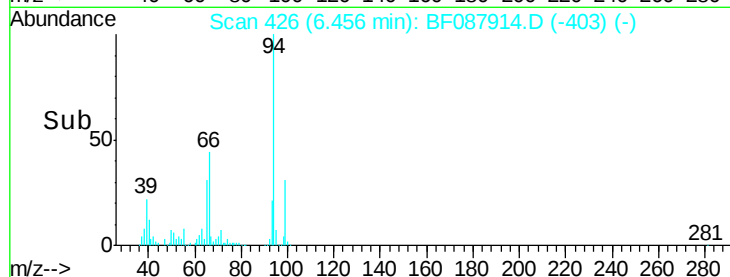
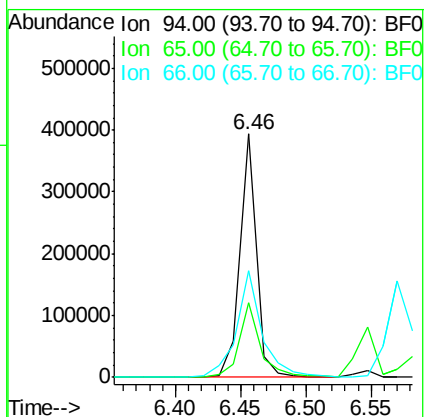
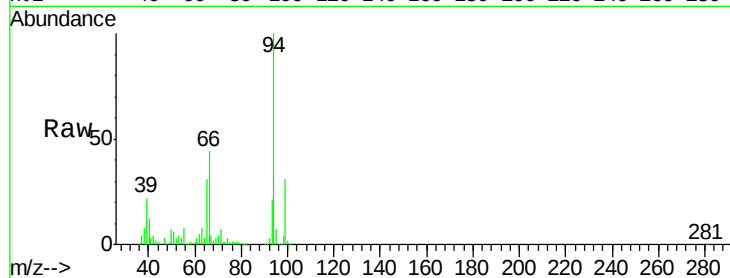
Tot Ion: 94 Resp: 343617

Ion Ratio Lower Upper

94 100

65 30.8 5.9 45.9

66 43.6 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 16.50 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.03 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

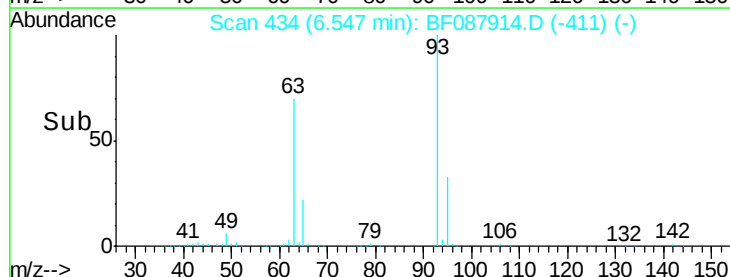
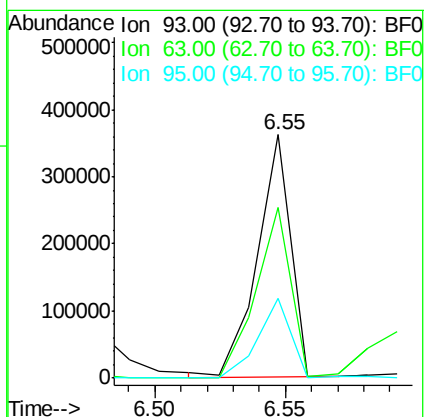
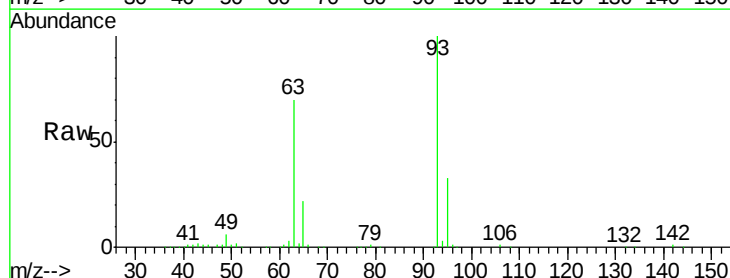
Tgt Ion: 93 Resp: 323459

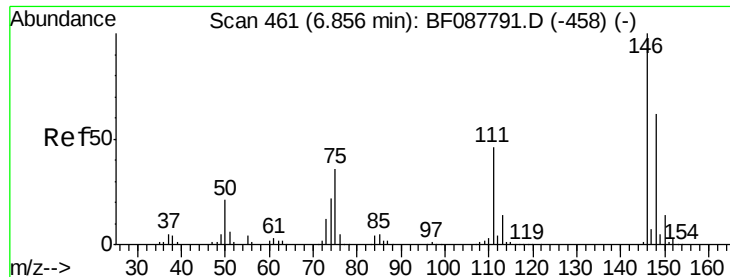
Ion Ratio Lower Upper

93 100

63 69.9 67.6 107.6

95 32.9 12.5 52.5

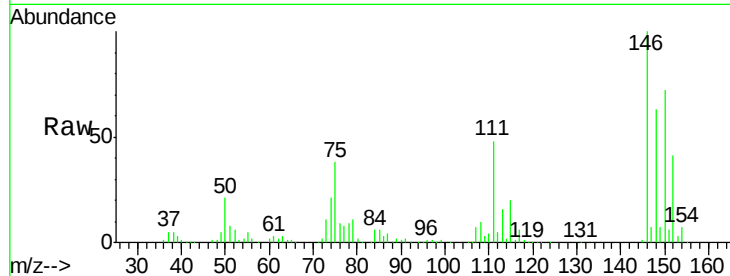




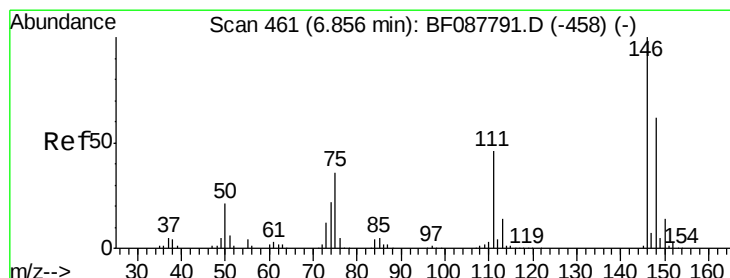
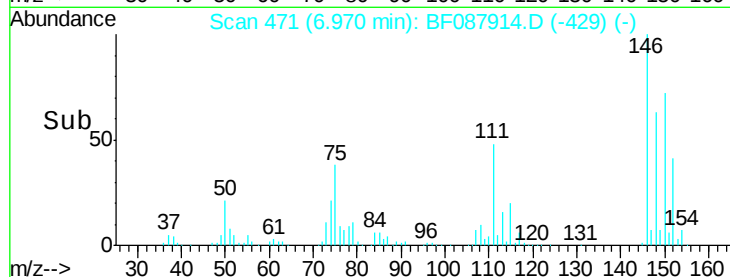
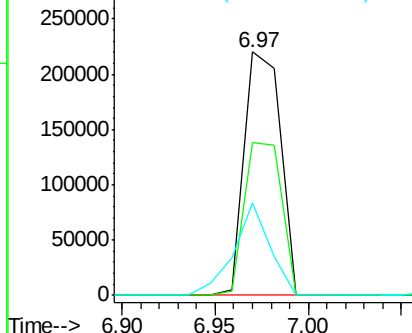
#12
 1,3-Dichlorobenzene
 Concen: 12.64 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.18 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.9	76.3
75	37.8	25.6	38.4

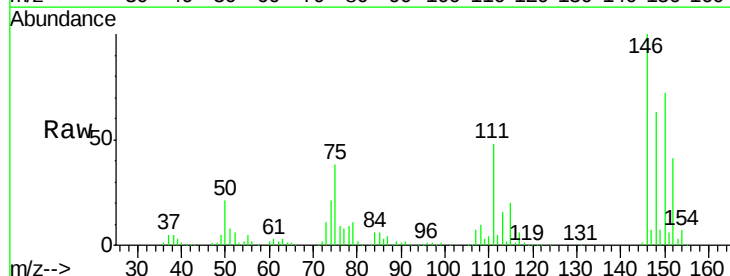


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

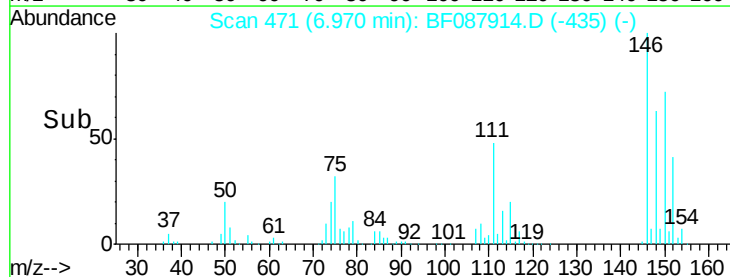
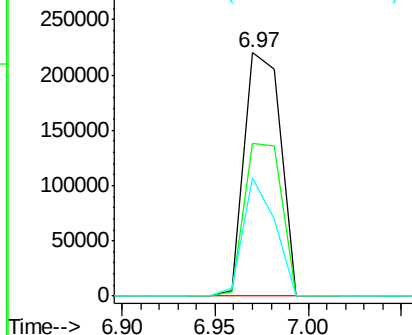


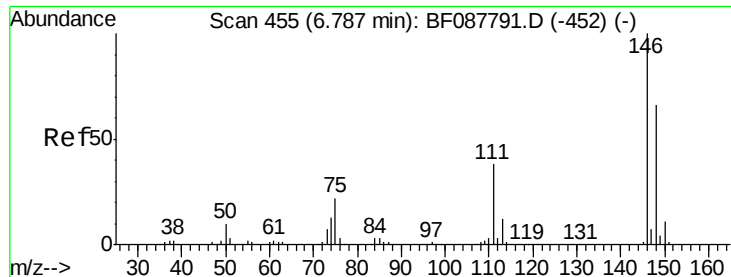
#13
 1,4-Dichlorobenzene
 Concen: 12.54 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.11 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.0	78.0
111	48.4	33.8	50.8



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: 13.79 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.05 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

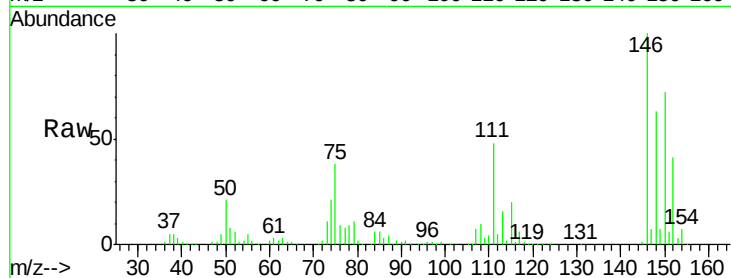
Tot Ion:146 Resp: 295995

Ion Ratio Lower Upper

146 100

148 62.5 52.3 78.5

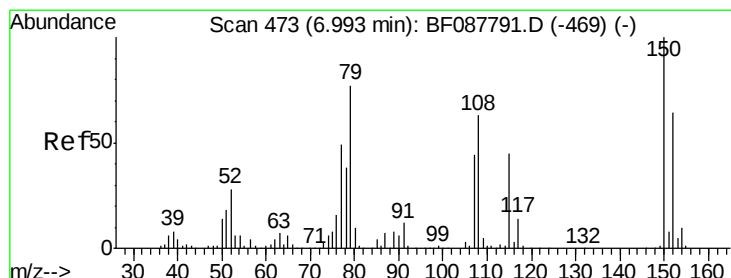
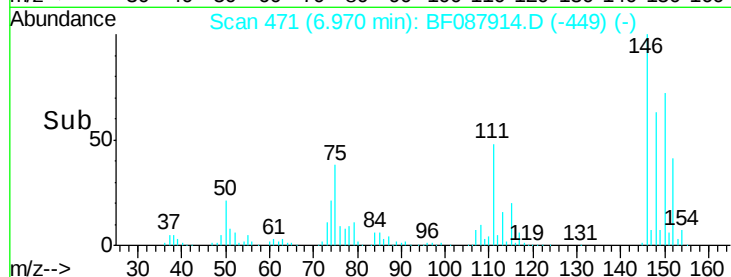
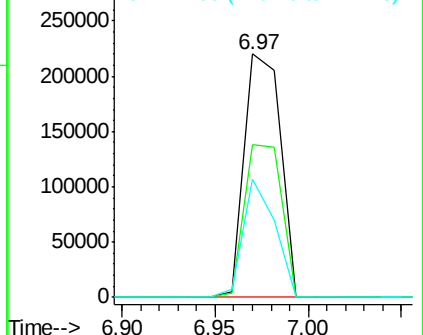
111 48.4 28.7 43.1#



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: 14.75 ng

RT: 6.95 min Scan# 469

Delta R.T. -0.05 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

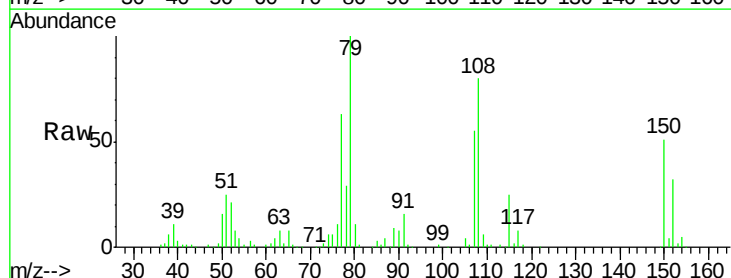
Tgt Ion: 79 Resp: 258039

Ion Ratio Lower Upper

79 100

108 80.3 65.0 97.6

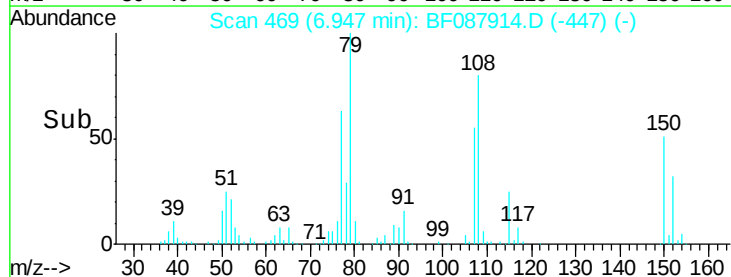
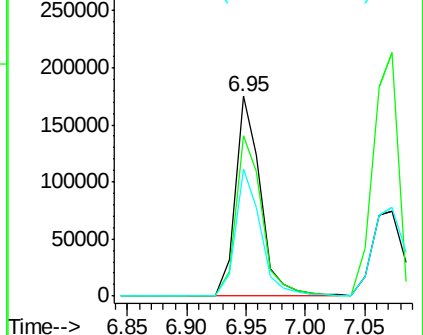
77 63.3 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

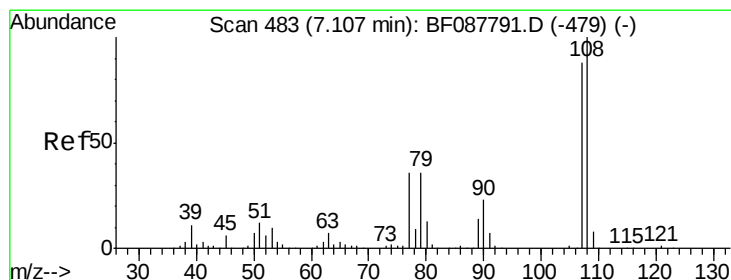
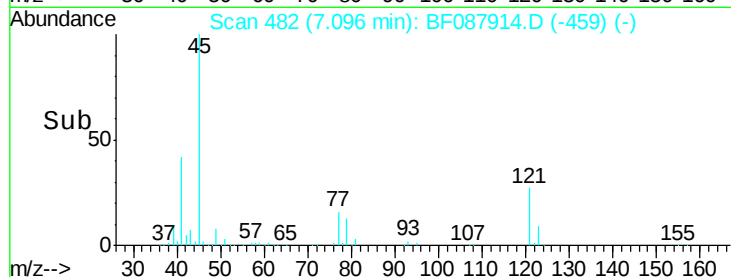
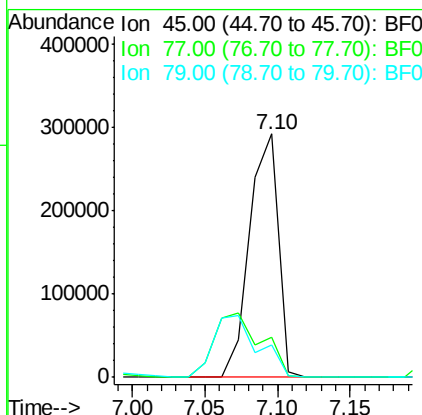
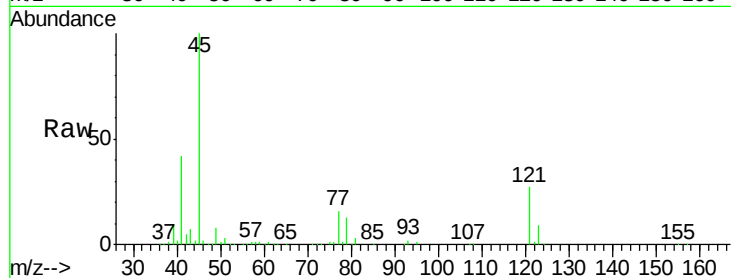




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 15.17 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

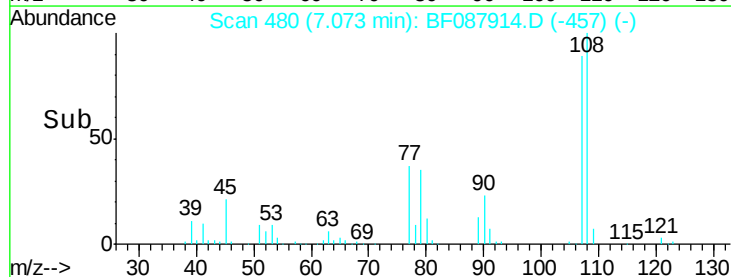
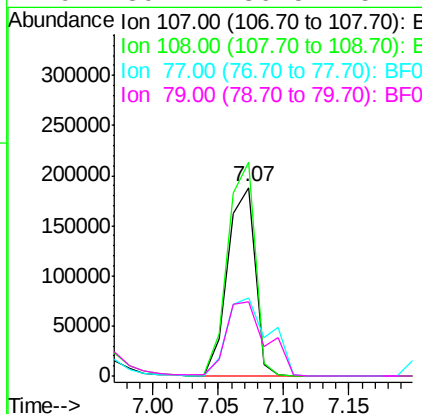
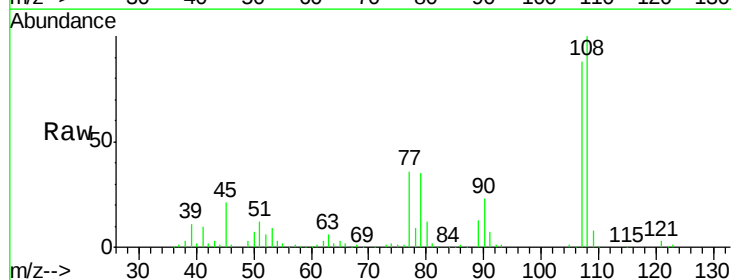
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

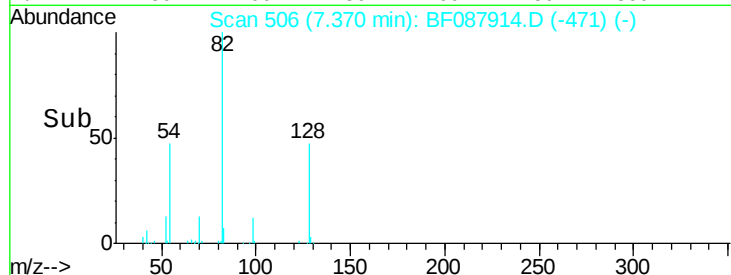
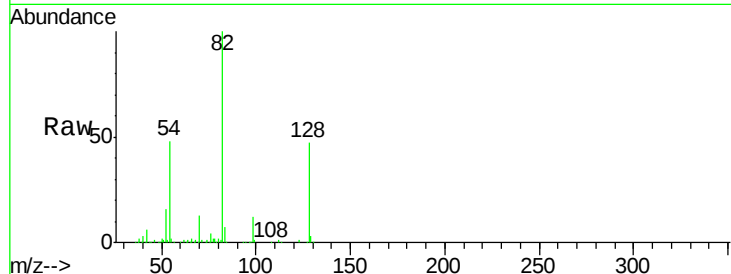
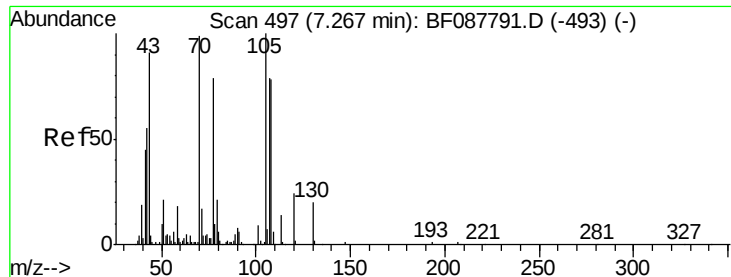
Tot Ion	45	Resp	401671
Ion Ratio	100		
Lower	0.0		
Upper	32.5		
77	16.5		
79	13.2		
Lower	0.0		
Upper	29.5		



#17
2-Methylphenol
Concen: 15.55 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.03 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion	107	Resp	275341
Ion Ratio	100		
Lower	90.9		
Upper	136.3		
108	113.2		
77	41.3		
79	39.7		
Lower	36.6		
Upper	55.0		
79	36.5		
Lower	36.5		
Upper	54.7		

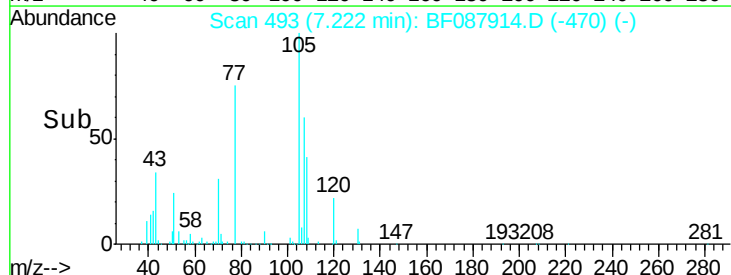
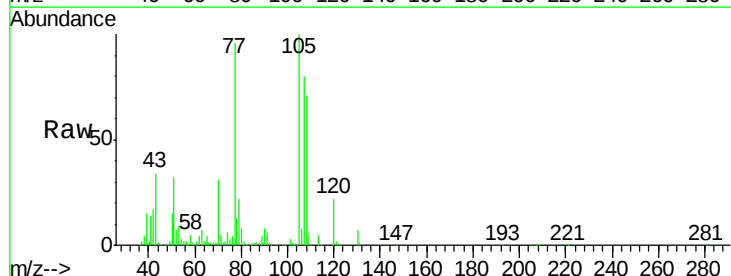
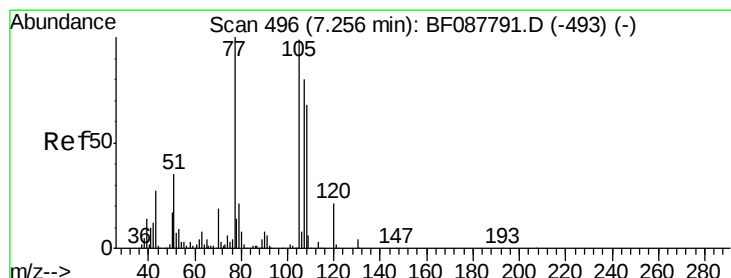
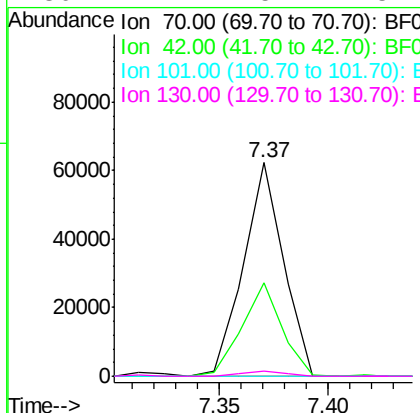




#19
n-Nitroso-di-n-propylamine
Concen: 5.58 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

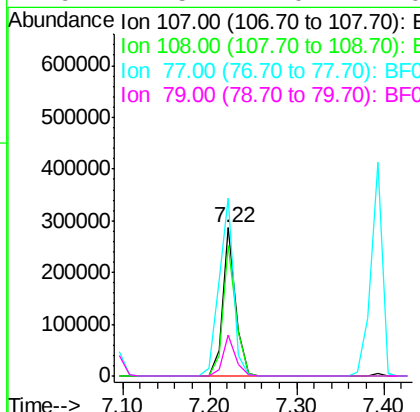
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

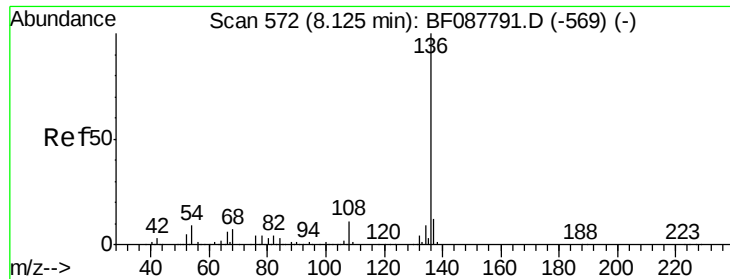
Tot Ion: 70 Resp: 79837
Ion Ratio Lower Upper
70 100
42 43.7 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#20
3+4-Methylphenols
Concen: 14.35 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.03 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion: 107 Resp: 296495
Ion Ratio Lower Upper
107 100
108 88.6 67.8 107.8
77 120.3 59.3 99.3#
79 27.5 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 597

Delta R.T. 0.29 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

Tot Ion:136 Resp: 396

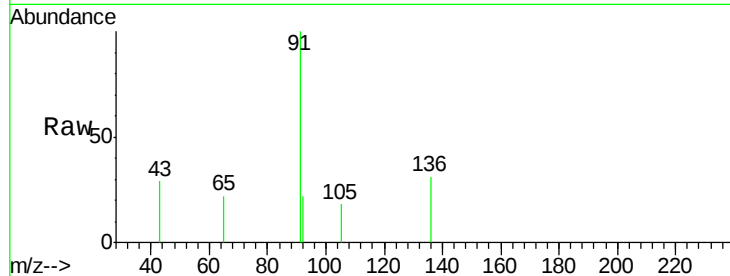
Ion Ratio Lower Upper

136 100

137 0.0 9.1 13.7#

54 0.0 6.6 10.0#

68 0.0 5.1 7.7#



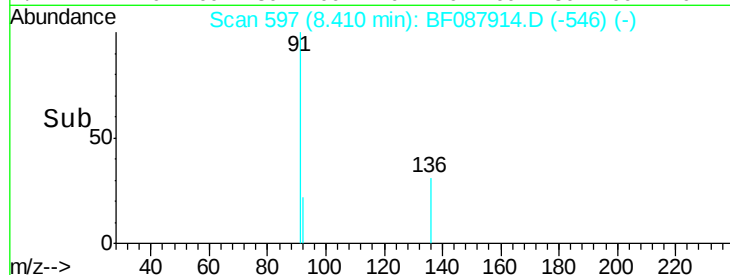
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

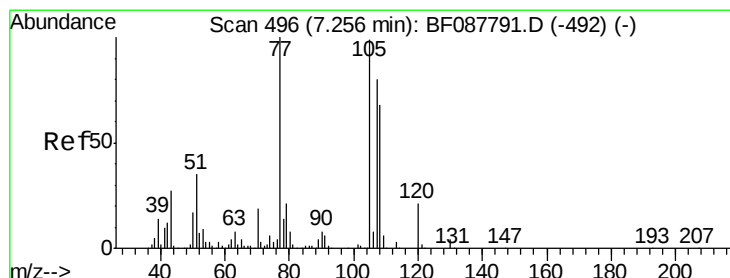
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#22

Acetophenone

Concen: 1236.55 ng

RT: 7.75 min Scan# 539

Delta R.T. 0.49 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Tgt Ion:105 Resp: 10943

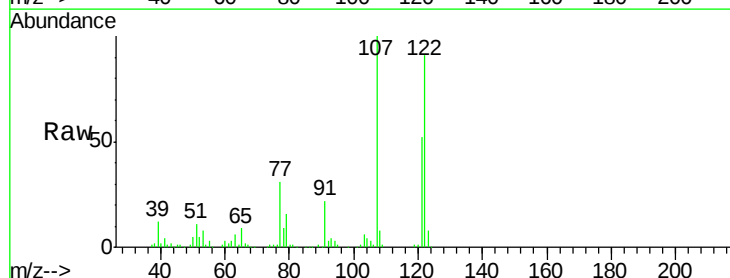
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 344.7 18.2 27.4#

120 29.3 18.0 27.0#



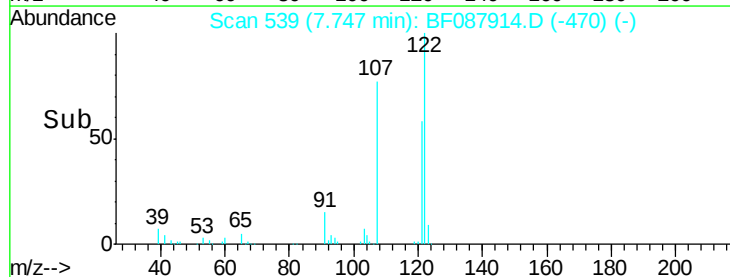
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

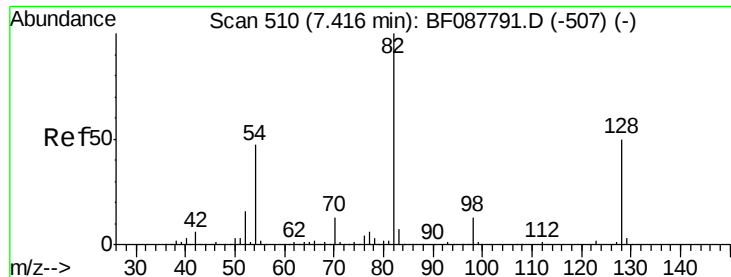
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



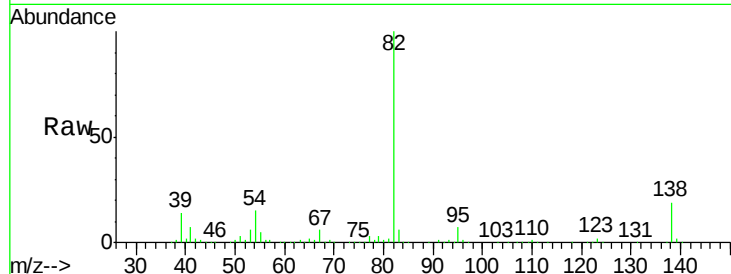
Time-->



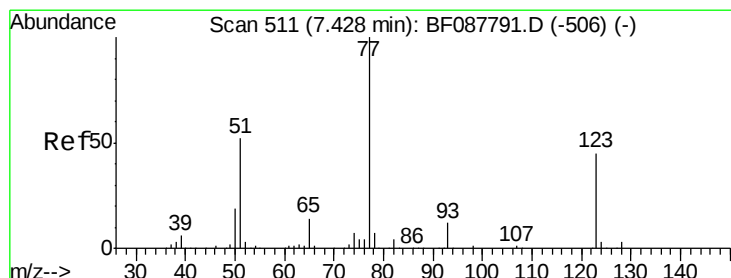
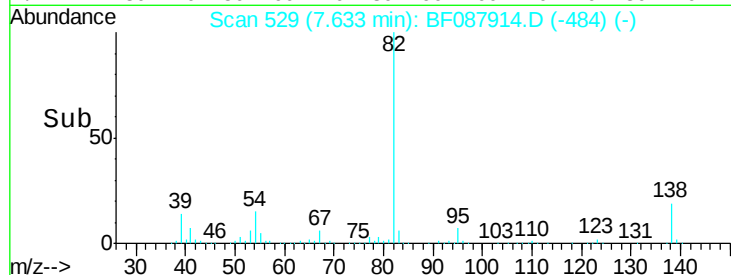
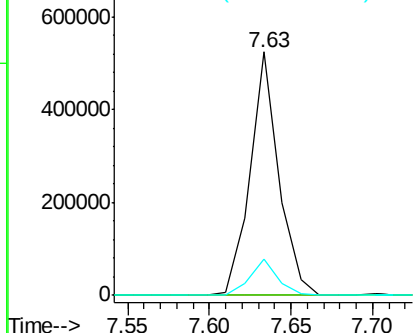
#23
Nitrobenzene-d5
Concen: 94218.06 ng
RT: 7.63 min Scan# 529
Delta R.T. 0.22 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

Tot Ion: 82 Resp: 638940
Ion Ratio Lower Upper
82 100
128 0.0 35.9 53.9#
54 14.8 40.9 61.3#

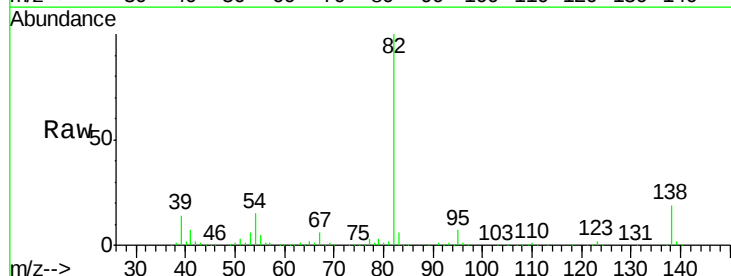


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

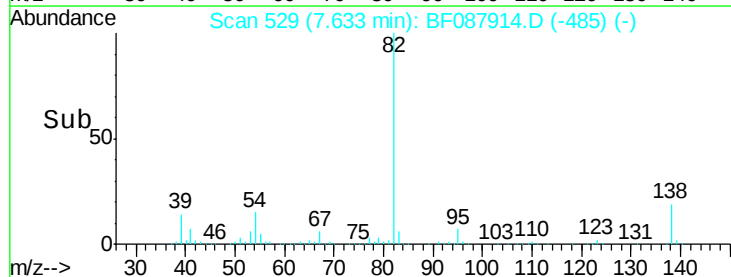
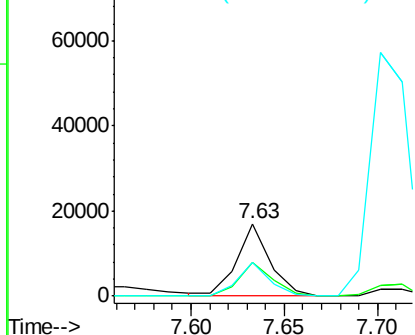


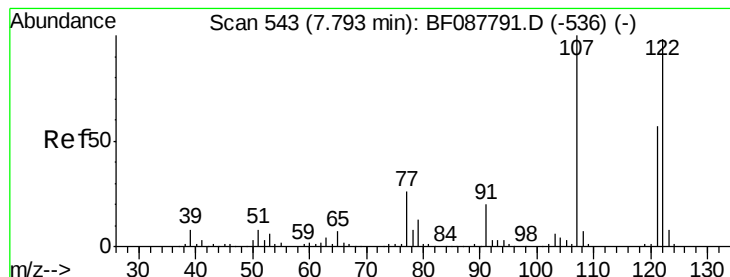
#24
Nitrobenzene
Concen: 3212.07 ng
RT: 7.63 min Scan# 529
Delta R.T. 0.21 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion: 77 Resp: 21100
Ion Ratio Lower Upper
77 100
123 47.4 45.0 67.4
65 47.0 10.2 15.2#



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





#27

2,4-Dimethylphenol

Concen: 32224.44 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.09 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

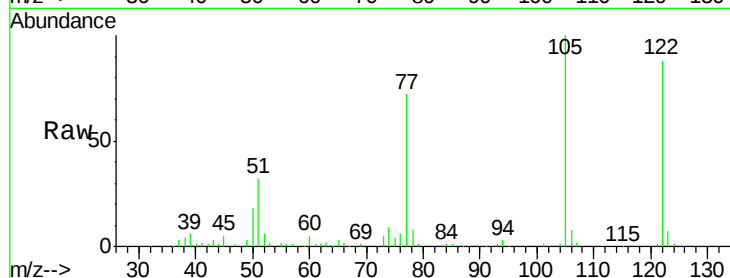
Tot Ion:122 Resp: 208779

Ion Ratio Lower Upper

122 100

107 2.3 82.4 123.6#

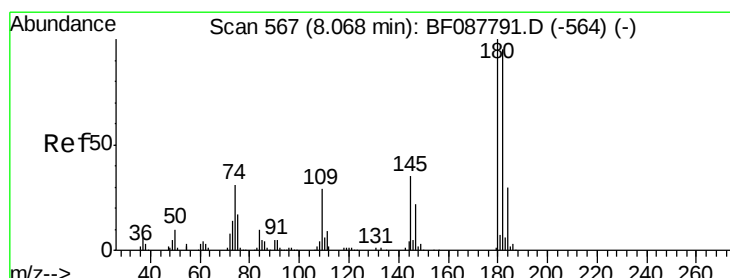
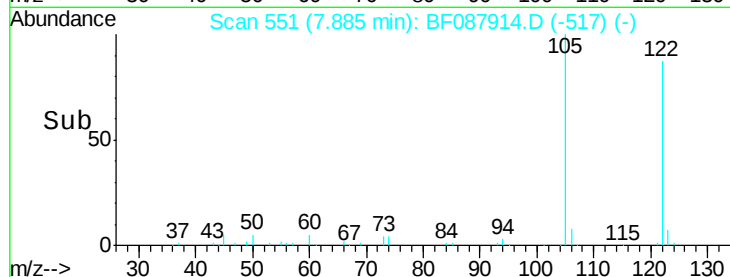
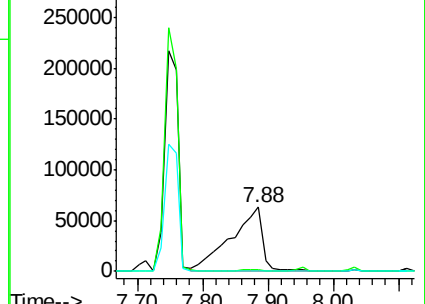
121 1.3 46.3 69.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#30

1,2,4-Trichlorobenzene

Concen: 366.71 ng

RT: 8.25 min Scan# 583

Delta R.T. 0.18 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

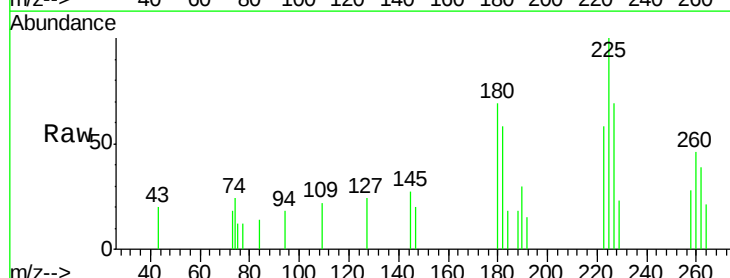
Tgt Ion:180 Resp: 2160

Ion Ratio Lower Upper

180 100

182 83.4 76.0 114.0

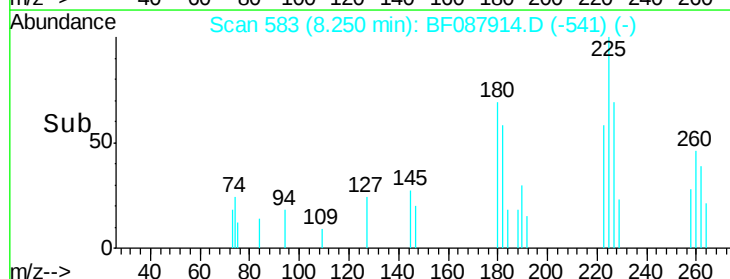
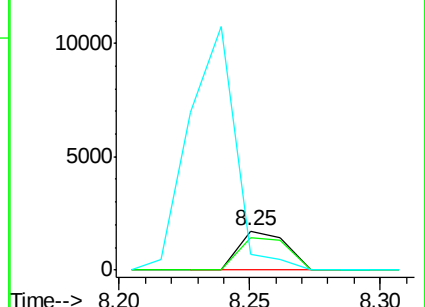
145 39.3 26.5 39.7

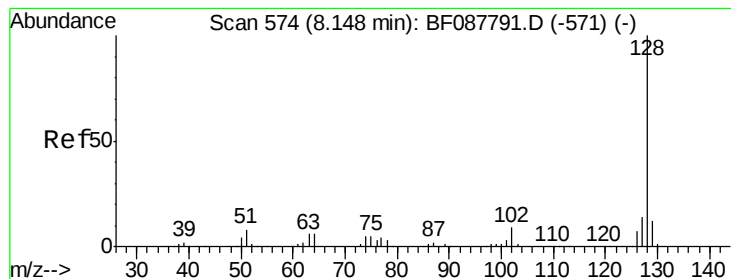


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 612.96 ng

RT: 8.16 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

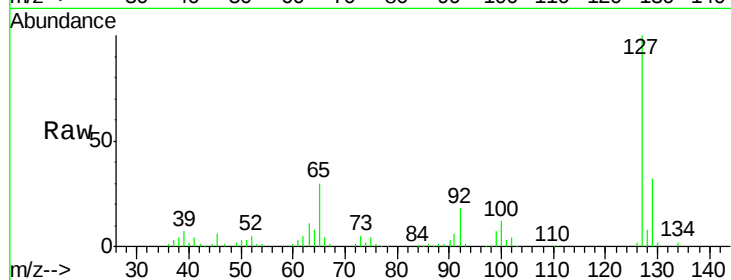
Tot Ion:128 Resp: 12012

Ion Ratio Lower Upper

128 100

129 389.7 9.4 14.2#

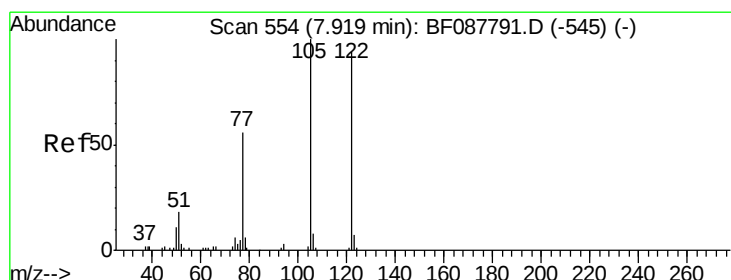
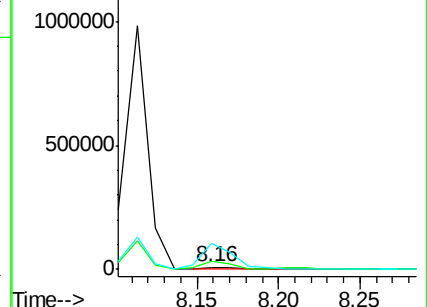
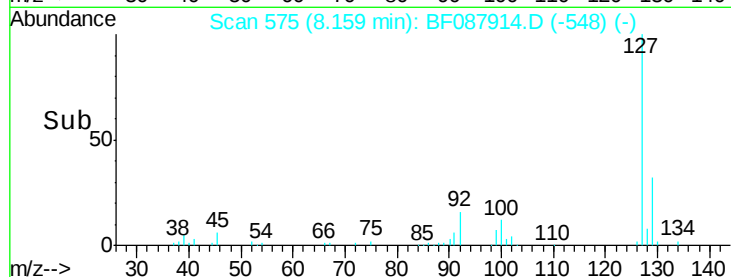
127 1202.4 10.9 16.3#



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: 1742.91 ng

RT: 8.24 min Scan# 582

Delta R.T. 0.32 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

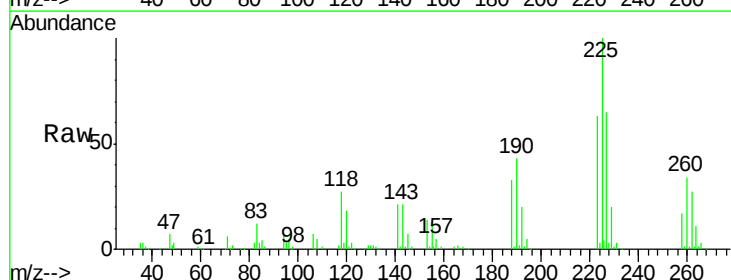
Tgt Ion:122 Resp: 6218

Ion Ratio Lower Upper

122 100

105 0.0 101.6 141.6#

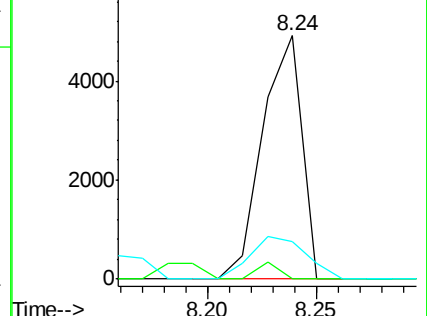
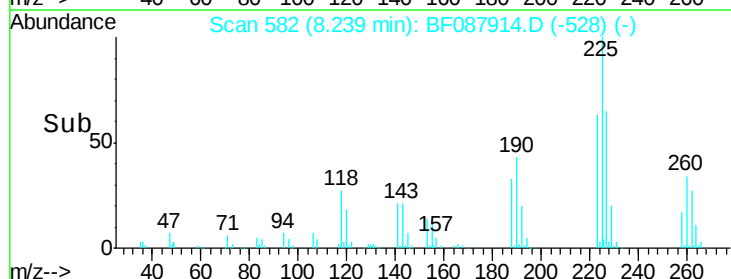
77 15.4 70.6 110.6#

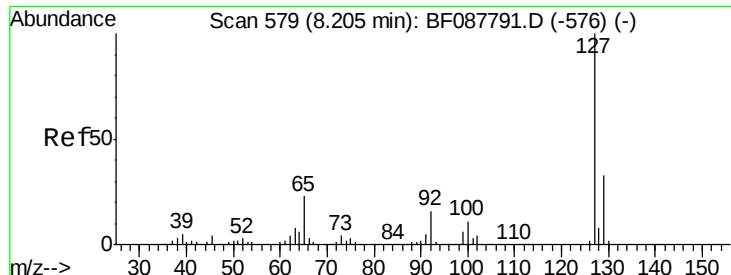


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

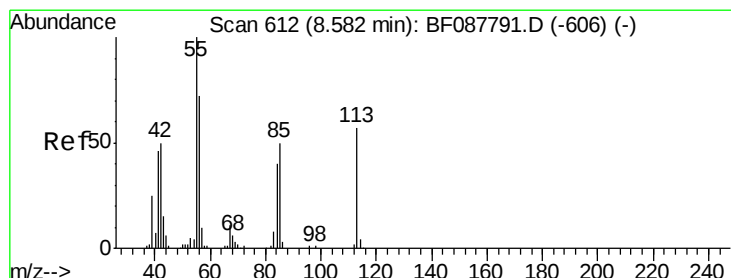
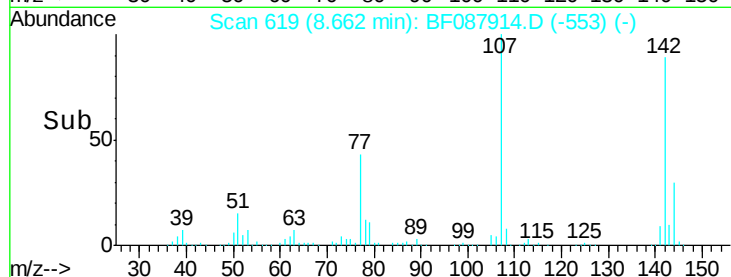
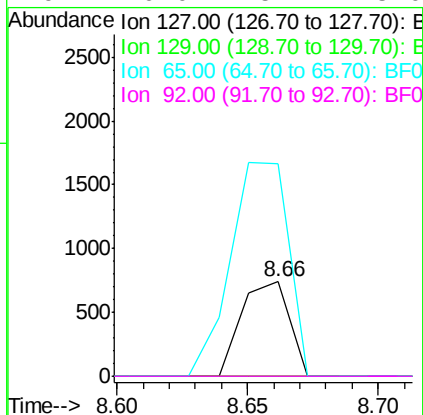
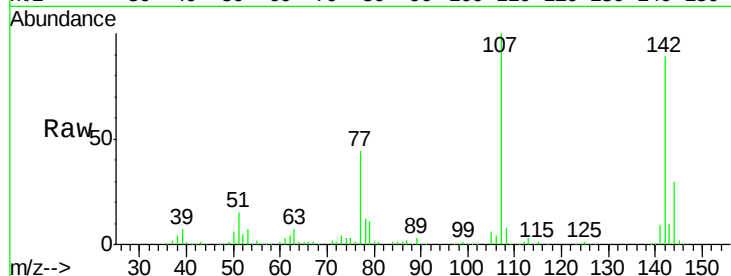




#33
4-Chloroaniline
Concen: 109.36 ng
RT: 8.66 min Scan# 619
Delta R.T. 0.46 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

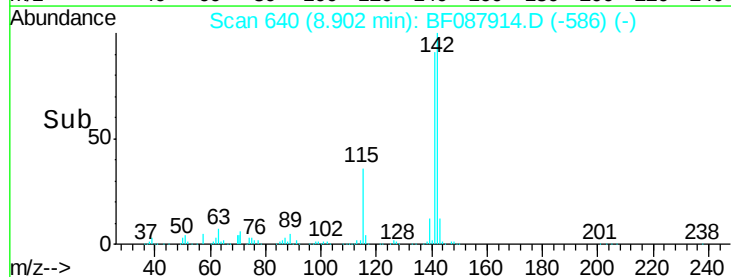
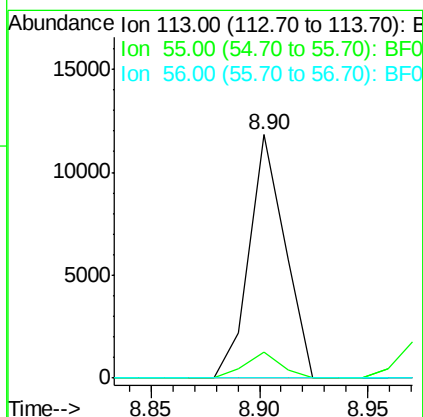
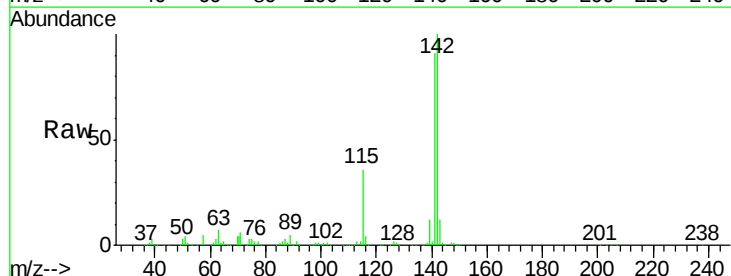
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

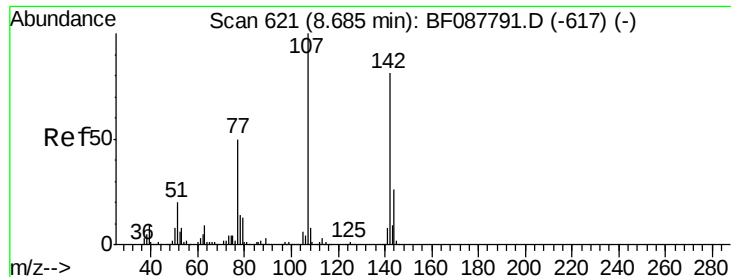
Tot Ion:127 Resp: 957
Ion Ratio Lower Upper
127 100
129 0.0 26.3 39.5#
65 225.3 24.7 37.1#
92 0.0 15.4 23.0#



#35
Caprolactam
Concen: 7567.77 ng
RT: 8.90 min Scan# 640
Delta R.T. 0.32 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:113 Resp: 13560
Ion Ratio Lower Upper
113 100
55 10.9 158.6 198.6#
56 0.0 110.6 150.6#

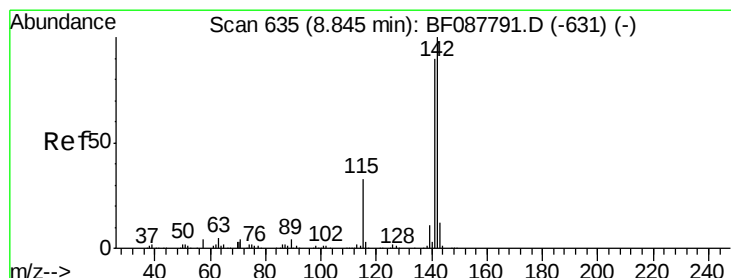
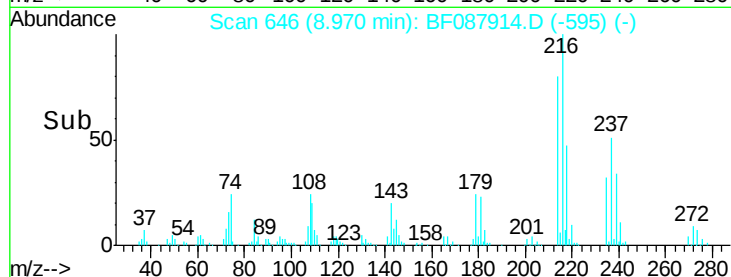
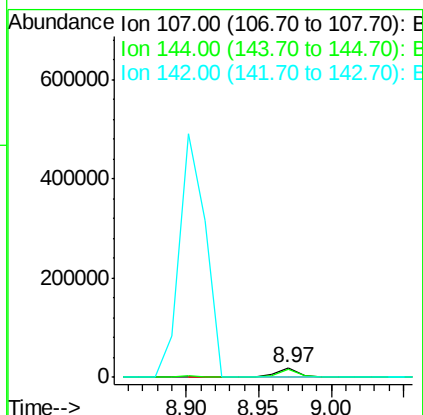
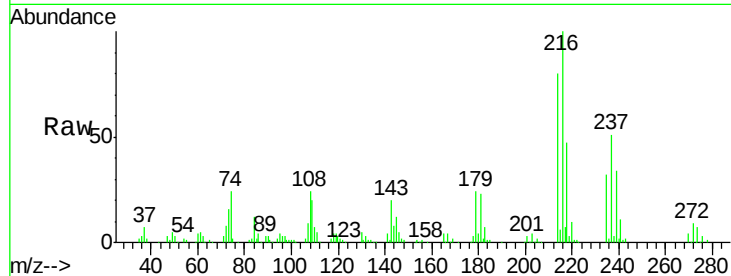




#36
 4-Chloro-3-methylphenol
 Concen: 3610.48 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.29 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

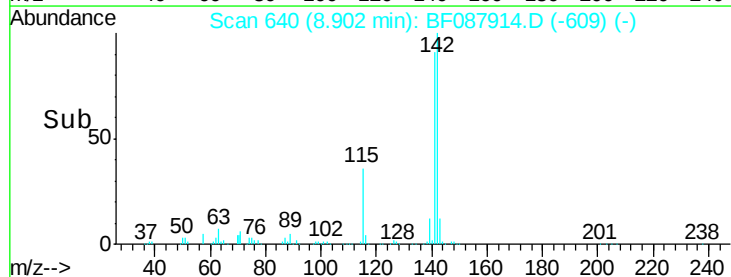
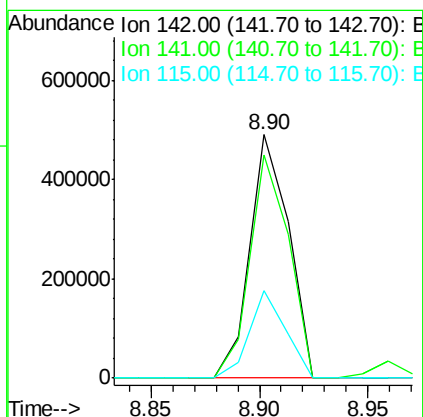
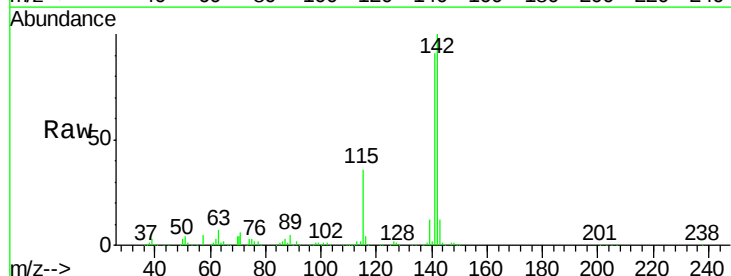
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

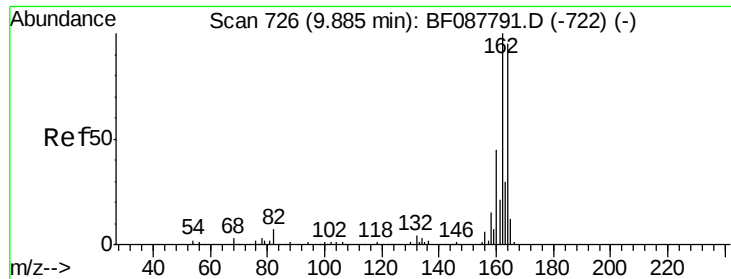
Tot Ion:107 Resp: 20887
 Ion Ratio Lower Upper
 107 100
 144 91.3 20.8 31.2#
 142 10.0 63.4 95.2#



#37
 2-Methylnaphthalene
 Concen: 47533.67 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.06 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion:142 Resp: 613966
 Ion Ratio Lower Upper
 142 100
 141 91.4 71.0 106.6
 115 36.0 22.6 33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.30 min Scan# 762

Delta R.T. 0.41 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

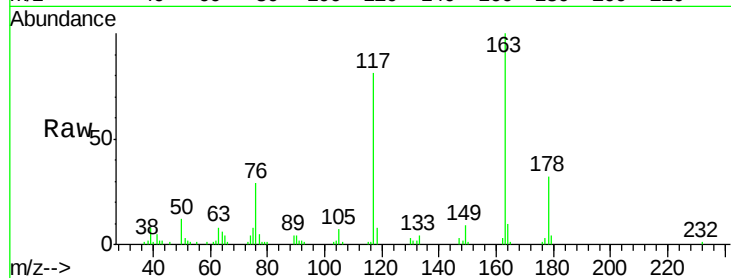
Tot Ion:164 Resp: 6472

Ion Ratio Lower Upper

164 100

162 28.5 85.4 128.2#

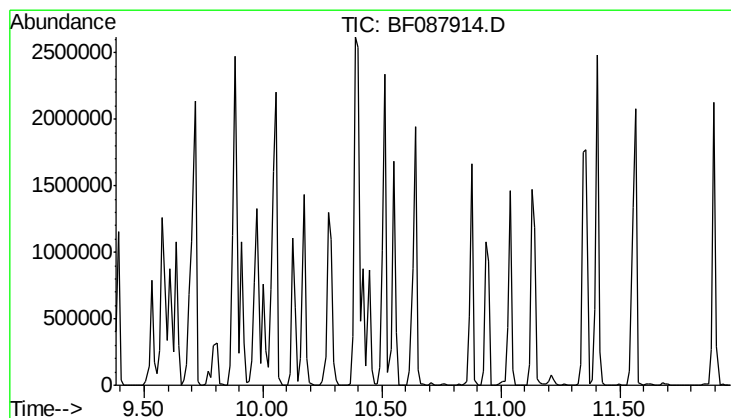
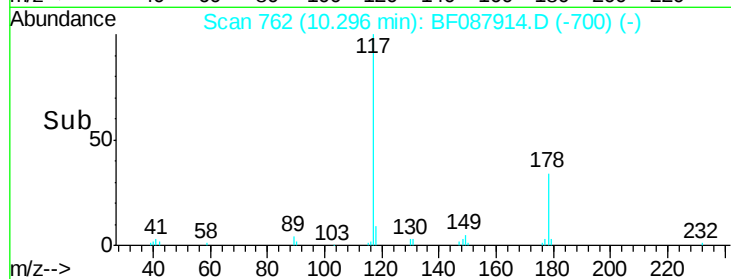
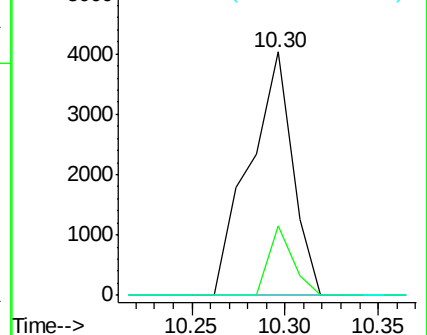
160 0.0 39.5 59.3#



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



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.67 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

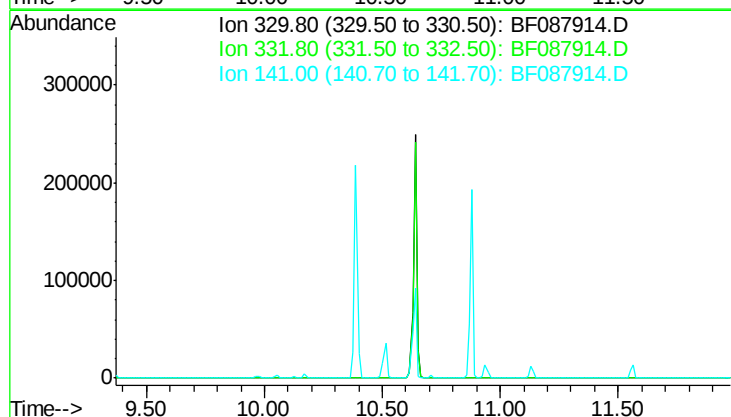
Tgt Ion: 330

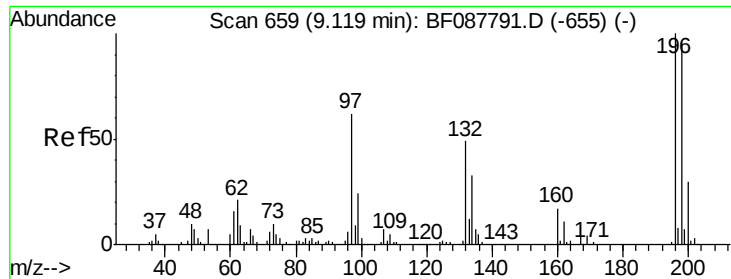
Sig Exp Ratio

330 100

332 0.0

141 0.0

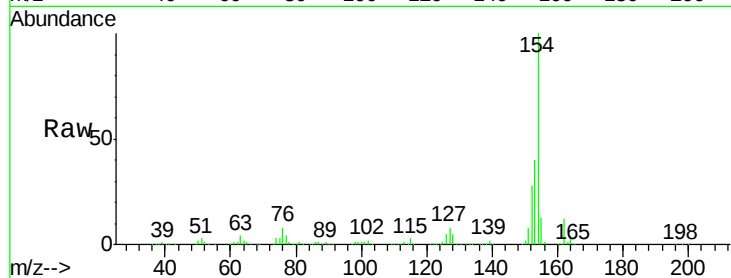




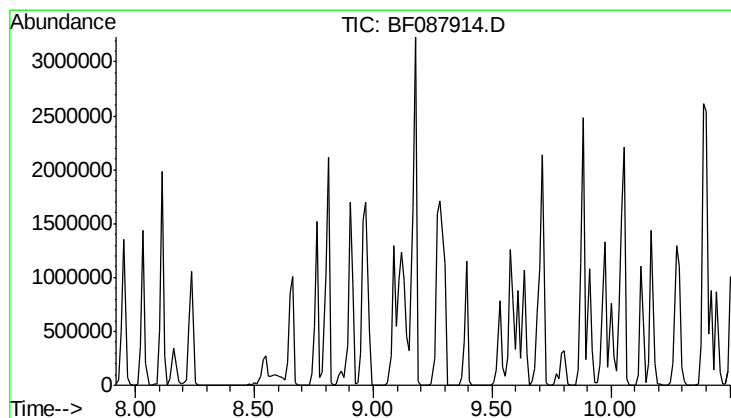
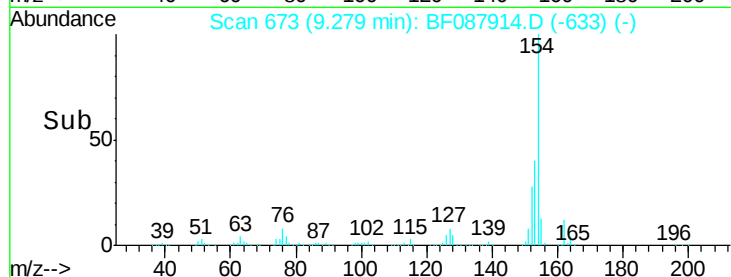
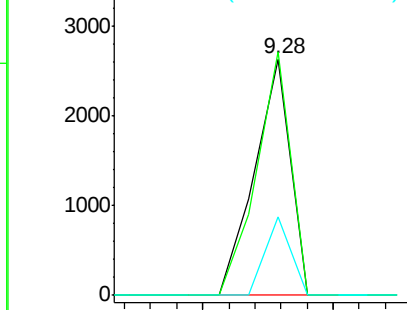
#42
 2,4,6-Trichlorophenol
 Concen: 19.60 ng
 RT: 9.28 min Scan# 673
 Delta R.T. 0.16 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Tot Ion:196 Resp: 2537
 Ion Ratio Lower Upper
 196 100
 198 103.1 78.0 117.0
 200 33.0 25.4 38.2



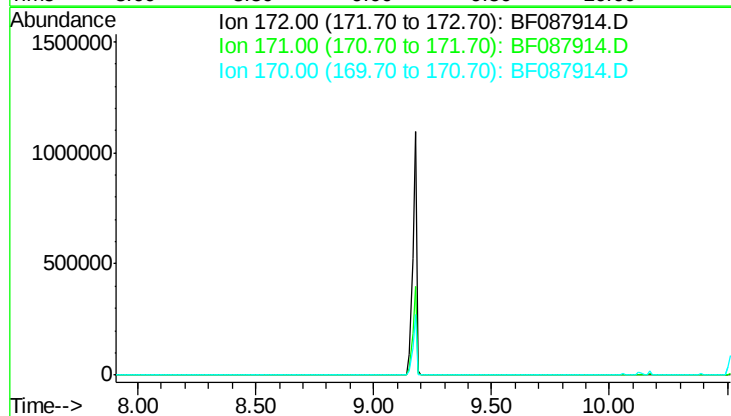
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

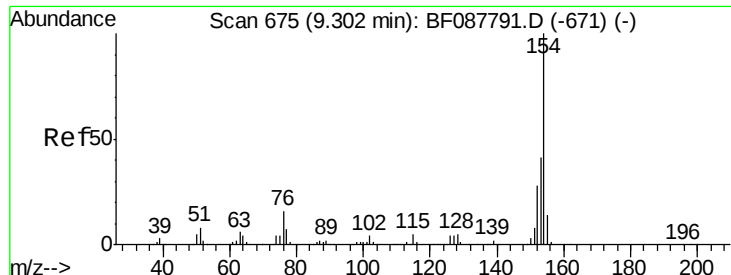


#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.21 min

Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.8
 170 24.0





#45

1,1'-Biphenyl

Concen: 1763.65 ng

RT: 9.88 min Scan# 726

Delta R.T. 0.58 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

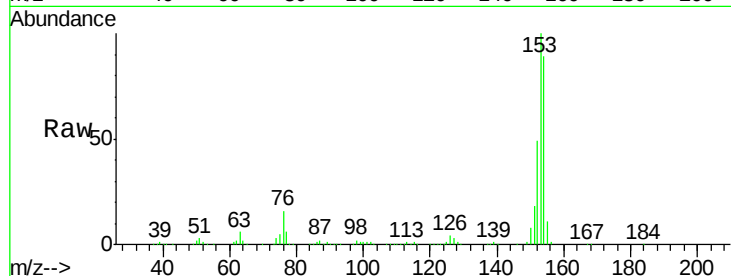
Tot Ion:154 Resp: 741635

Ion Ratio Lower Upper

154 100

153 112.3 20.6 60.6#

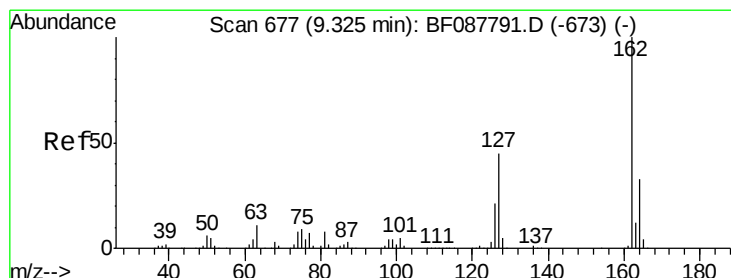
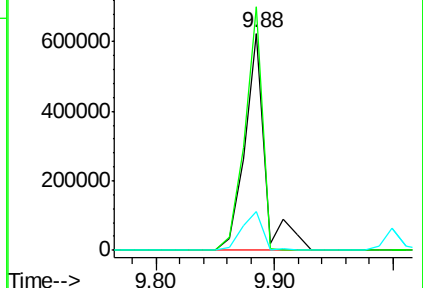
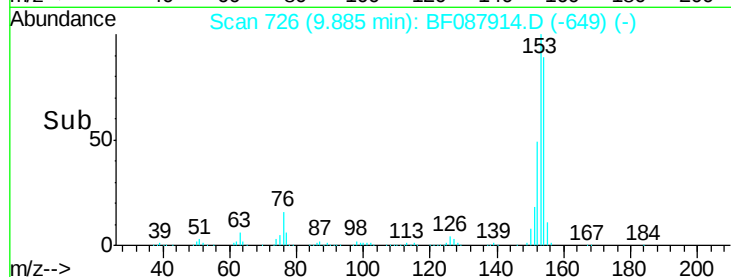
76 18.1 0.0 35.1



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: 3.46 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.45 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

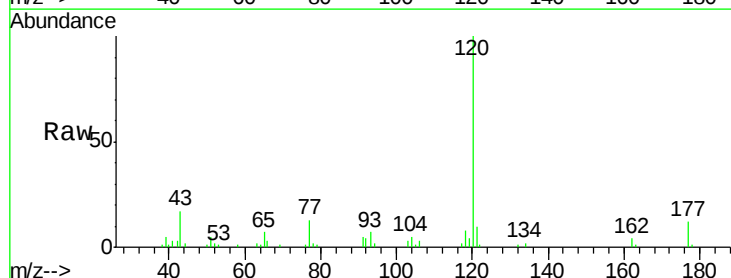
Tgt Ion:162 Resp: 1449

Ion Ratio Lower Upper

162 100

127 0.0 35.2 52.8#

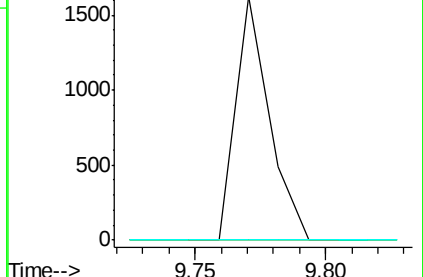
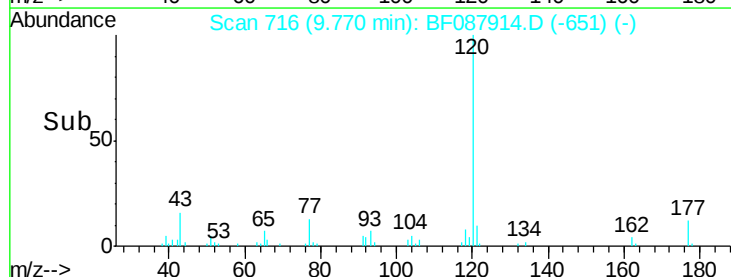
164 0.0 26.6 39.8#

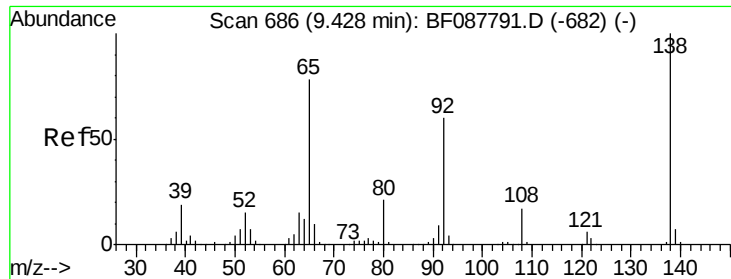


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

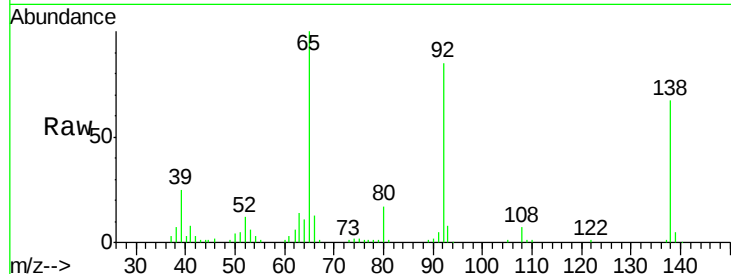




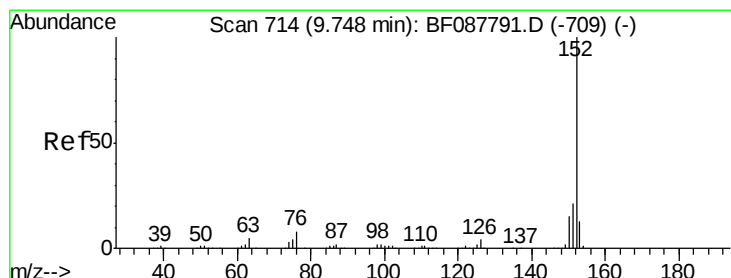
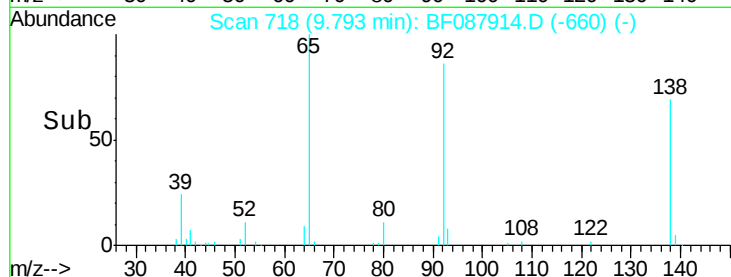
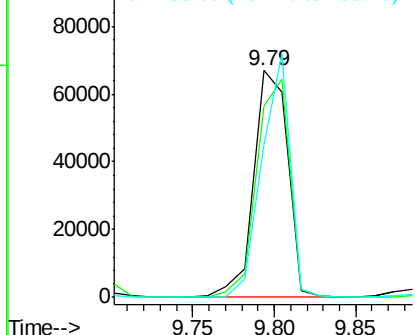
#47
2-Nitroaniline
Concen: 790.61 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.37 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

Tot Ion: 65 Resp: 97676
Ion Ratio Lower Upper
65 100
92 84.5 54.6 82.0#
138 67.3 77.0 115.4#

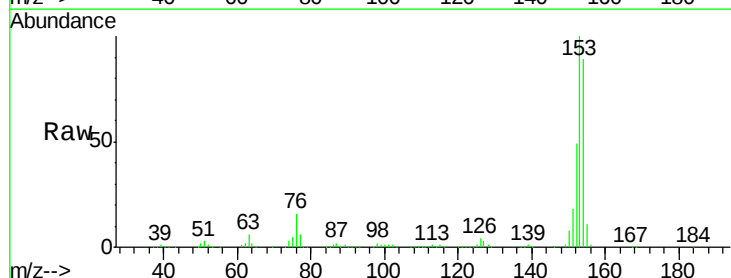


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

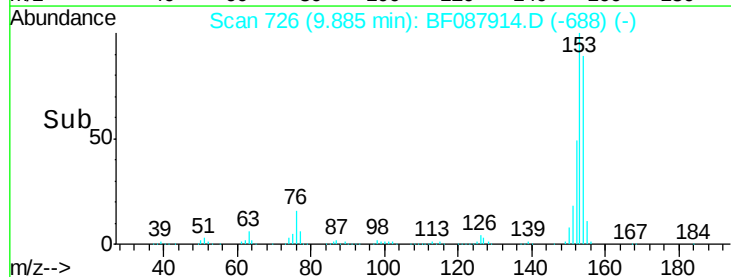
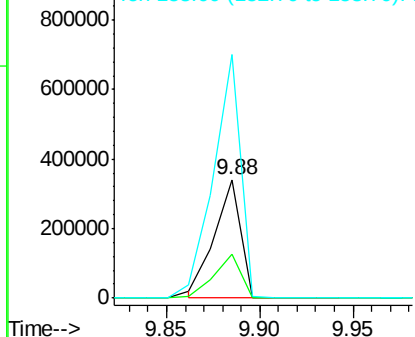


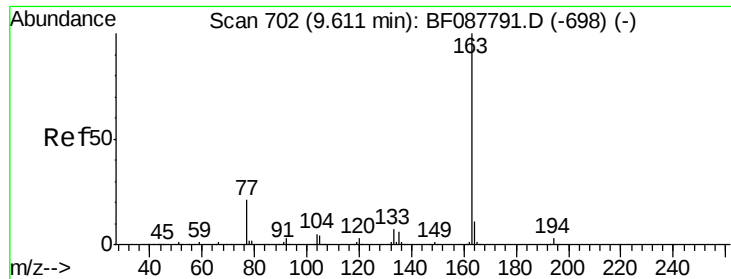
#48
Acenaphthylene
Concen: 500.73 ng
RT: 9.88 min Scan# 726
Delta R.T. 0.14 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion: 152 Resp: 333569
Ion Ratio Lower Upper
152 100
151 37.5 16.2 24.4#
153 205.4 11.0 16.6#



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

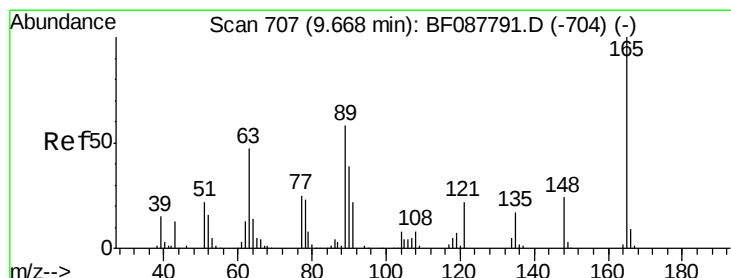
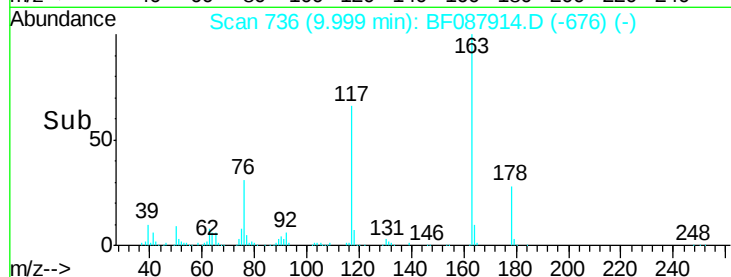
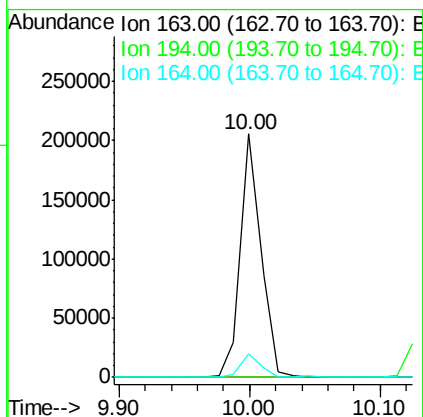
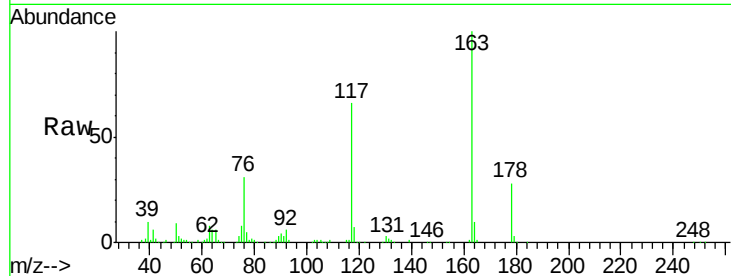




#49
Dimethylphthalate
Concen: 479.11 ng
RT: 10.00 min Scan# 736
Delta R.T. 0.39 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

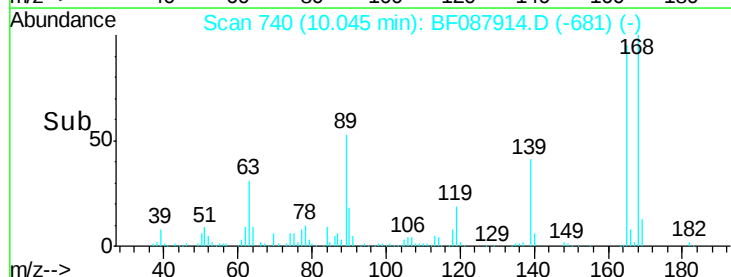
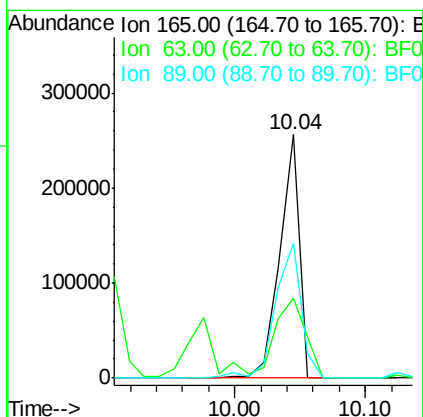
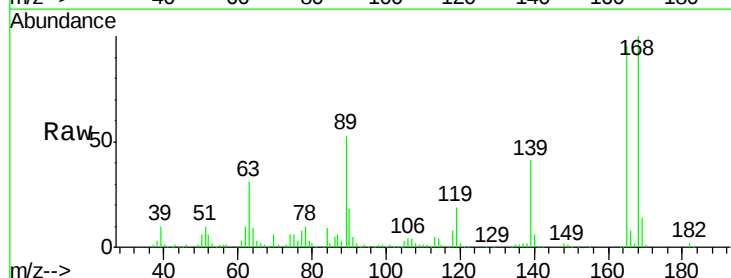
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

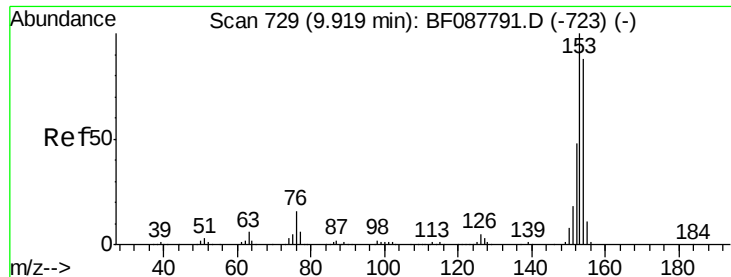
Tot Ion:163 Resp: 224615
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 9.8 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 2503.86 ng
RT: 10.04 min Scan# 740
Delta R.T. 0.38 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:165 Resp: 268831
Ion Ratio Lower Upper
165 100
63 33.0 28.1 42.1
89 55.4 32.2 48.2#





#51

Acenaphthene

Concen: 40.89 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.59 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

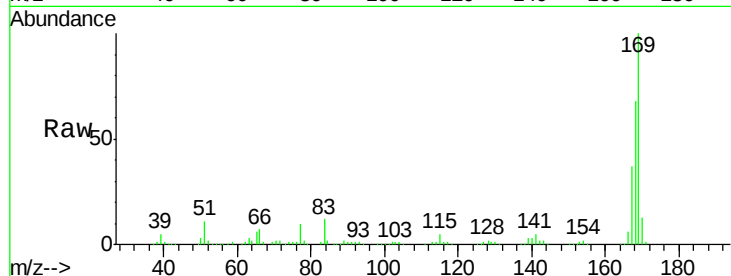
Tot Ion:154 Resp: 16992

Ion Ratio Lower Upper

154 100

153 21.8 89.5 134.3#

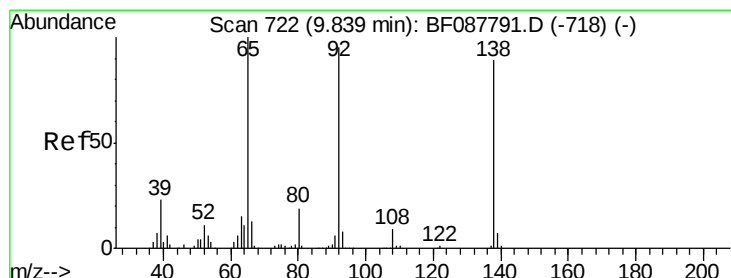
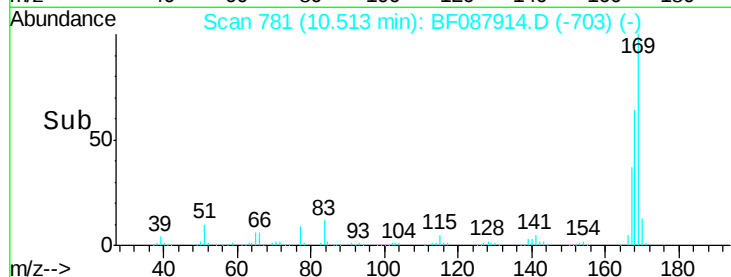
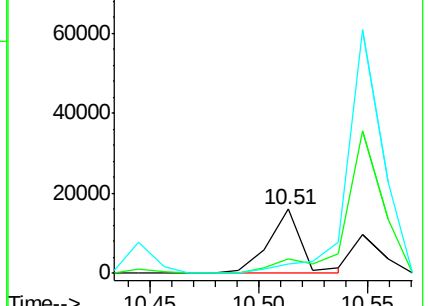
152 14.7 42.7 64.1#



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: 1533.97 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.58 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

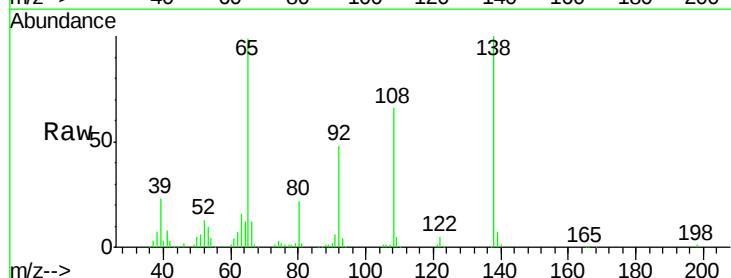
Tgt Ion:138 Resp: 190045

Ion Ratio Lower Upper

138 100

108 66.1 8.5 12.7#

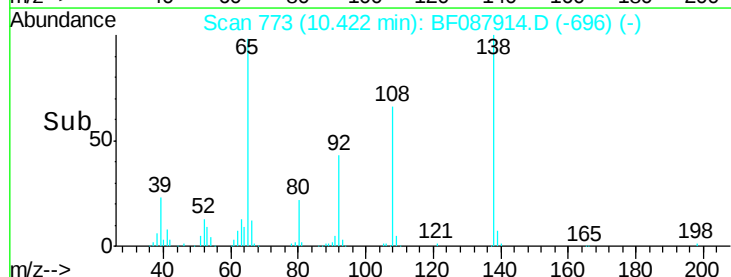
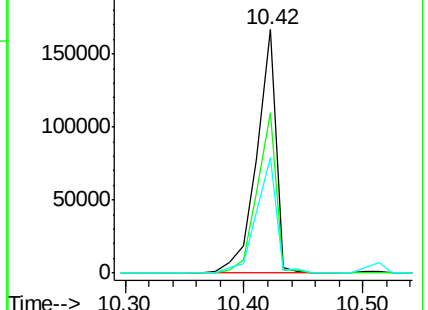
92 47.5 95.7 143.5#

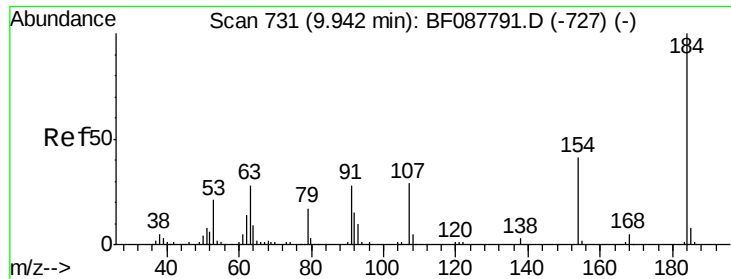


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

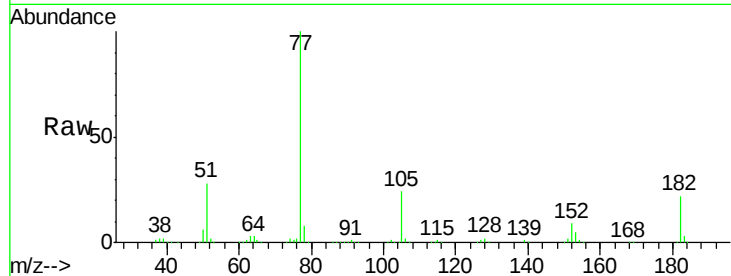




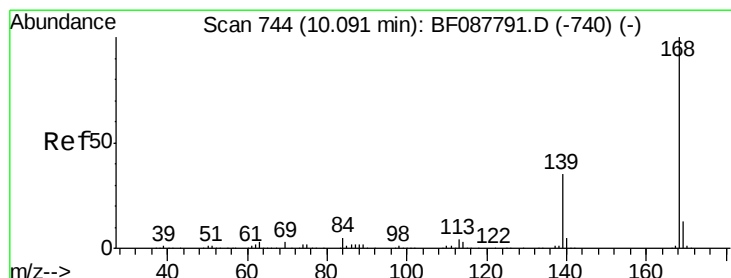
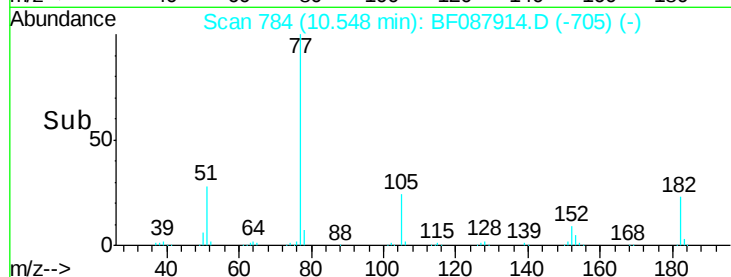
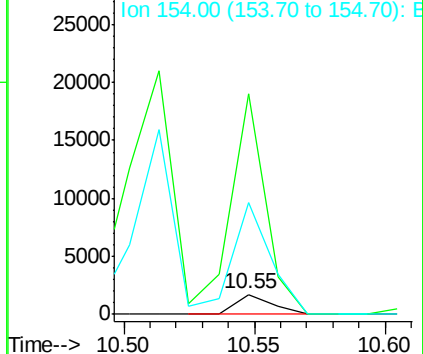
#53
2,4-Dinitrophenol
Concen: 33.80 ng
RT: 10.55 min Scan# 784
Delta R.T. 0.61 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

Tot Ion:184 Resp: 1640
Ion Ratio Lower Upper
184 100
63 1100.2 57.6 86.4#
154 561.0 53.5 80.3#

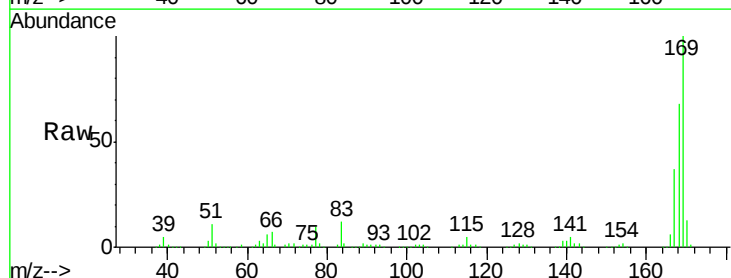


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

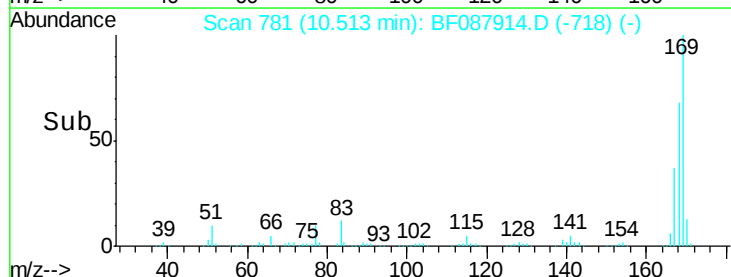
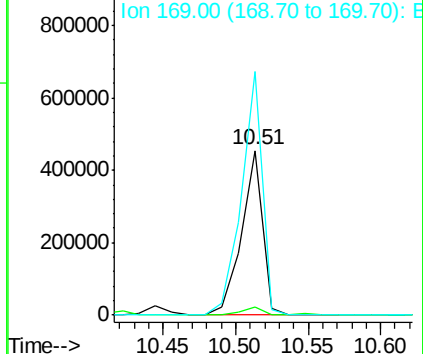


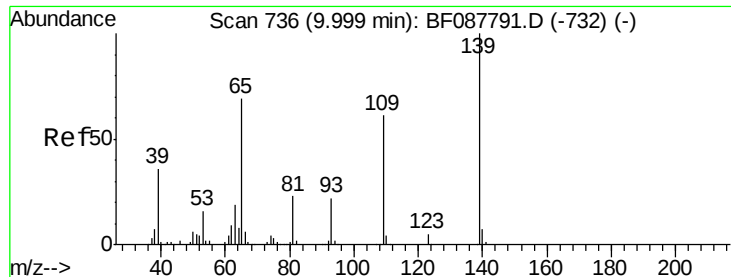
#54
Dibenzofuran
Concen: 801.93 ng
RT: 10.51 min Scan# 781
Delta R.T. 0.42 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:168 Resp: 458959
Ion Ratio Lower Upper
168 100
139 5.1 26.4 39.6#
169 147.9 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

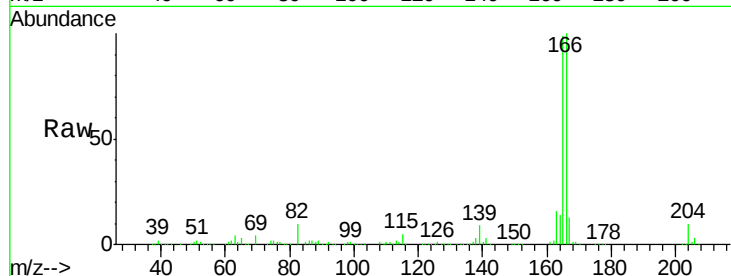




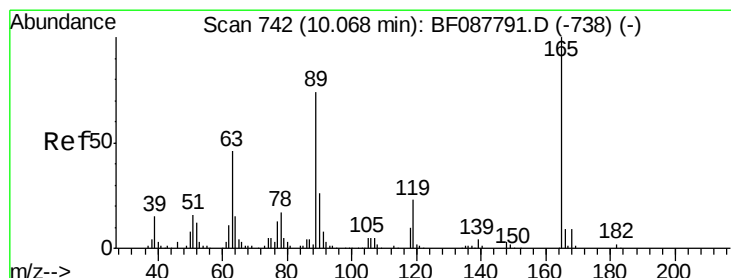
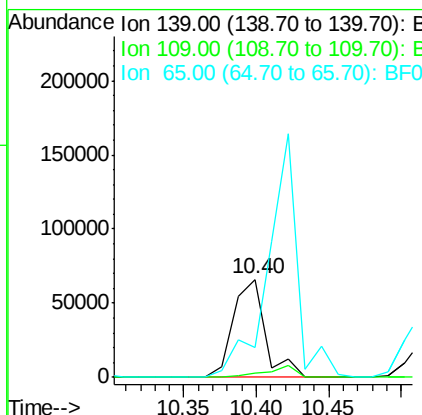
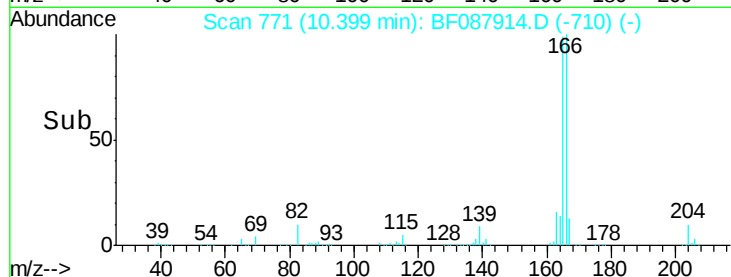
#55
4-Nitrophenol
Concen: 1044.53 ng
RT: 10.40 min Scan# 771
Delta R.T. 0.40 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

Tot Ion:139 Resp: 100440
Ion Ratio Lower Upper
139 100
109 4.0 48.9 88.9#
65 30.5 84.9 124.9#

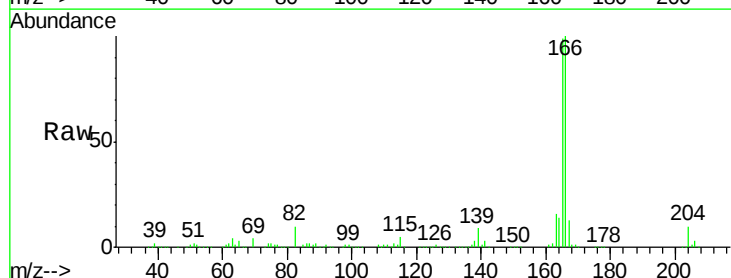


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

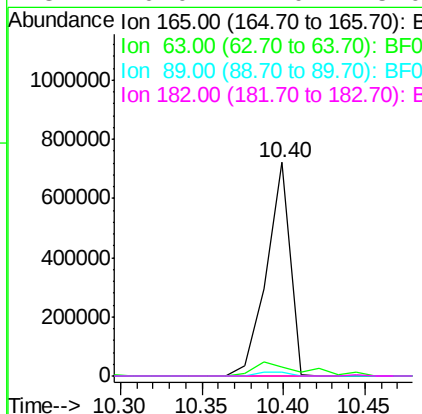
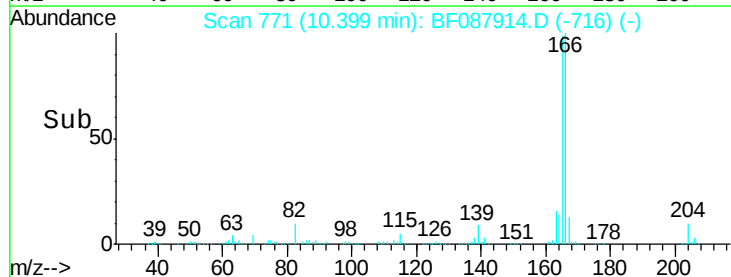


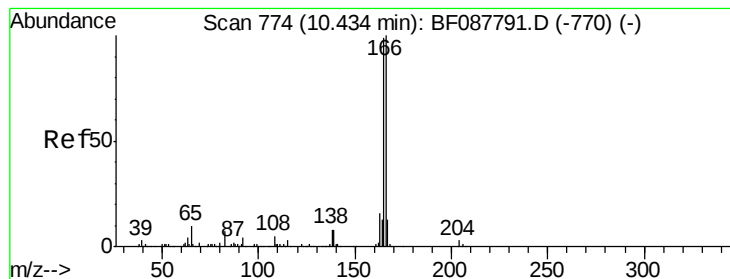
#56
2,4-Dinitrotoluene
Concen: 5255.88 ng
RT: 10.40 min Scan# 771
Delta R.T. 0.33 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:165 Resp: 725214
Ion Ratio Lower Upper
165 100
63 4.0 22.0 33.0#
89 2.1 41.1 61.7#
182 0.0 2.0 3.0#



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





#57

Fluorene

Concen: 34.33 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

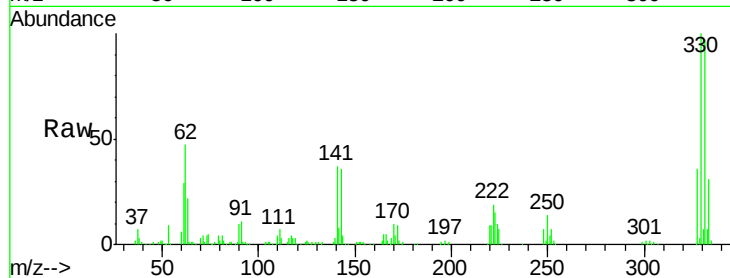
Tot Ion:166 Resp: 13721

Ion Ratio Lower Upper

166 100

165 107.7 77.8 116.8

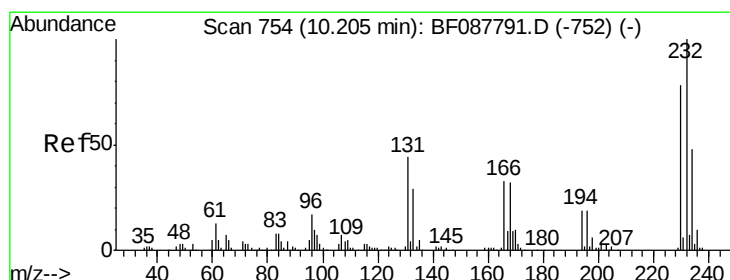
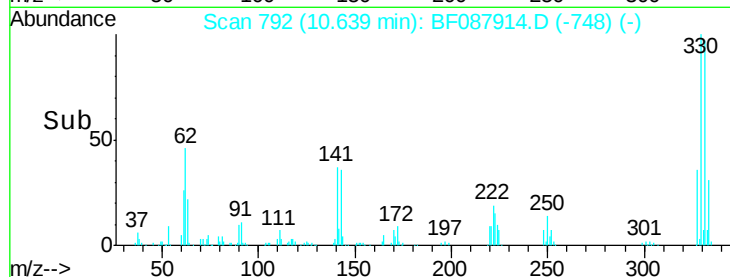
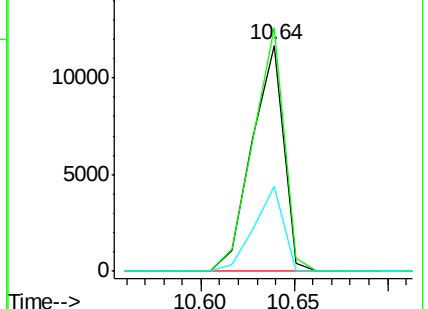
167 37.4 11.2 16.8#



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: 4.94 ng

RT: 10.46 min Scan# 776

Delta R.T. 0.25 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Tgt Ion:232 Resp: 523

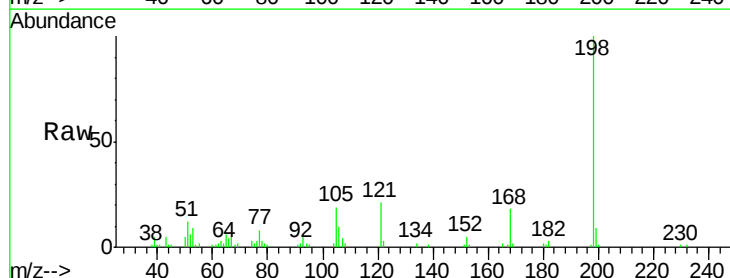
Ion Ratio Lower Upper

232 100

131 0.0 0.9 1.3#

130 0.0 1.5 2.3#

166 0.0 0.5 0.7#

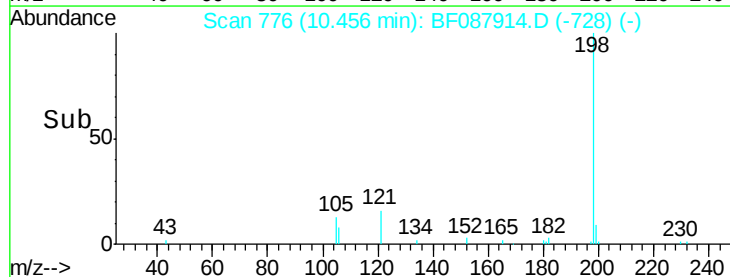
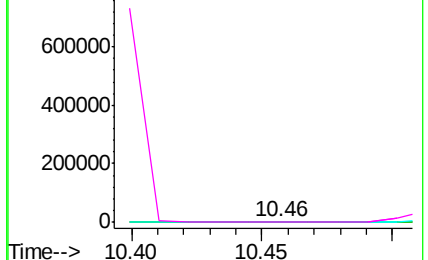


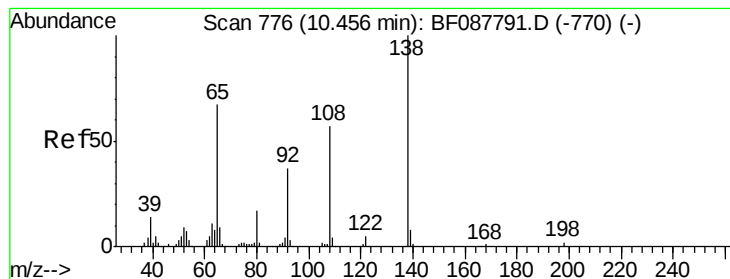
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#61

4-Nitroaniline

Concen: 12.61 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.42 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

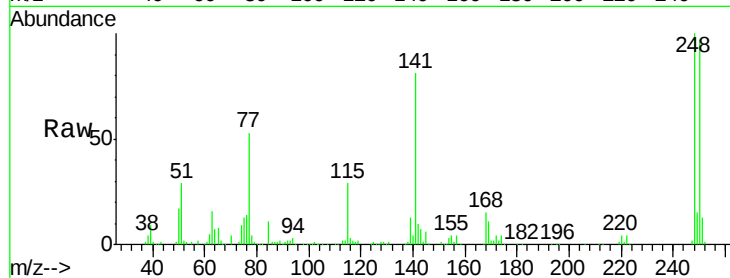
Tot Ion:138 Resp: 1482

Ion Ratio Lower Upper

138 100

92 358.6 27.3 67.3#

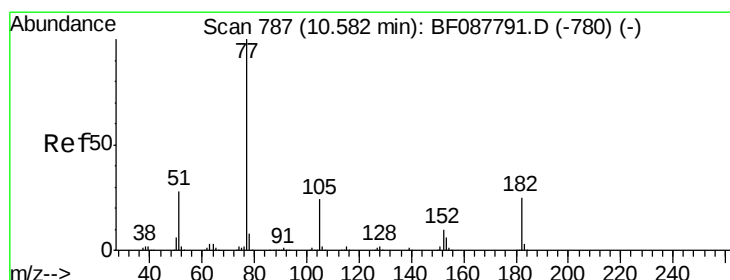
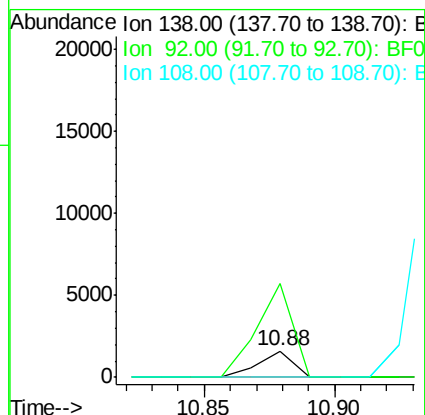
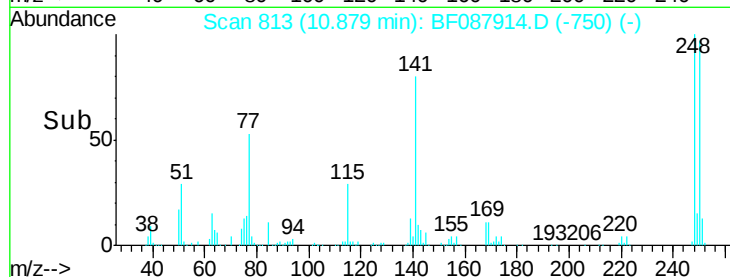
108 0.0 46.7 86.7#



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: 281.14 ng

RT: 10.88 min Scan# 813

Delta R.T. 0.30 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Tgt Ion: 77 Resp: 131933

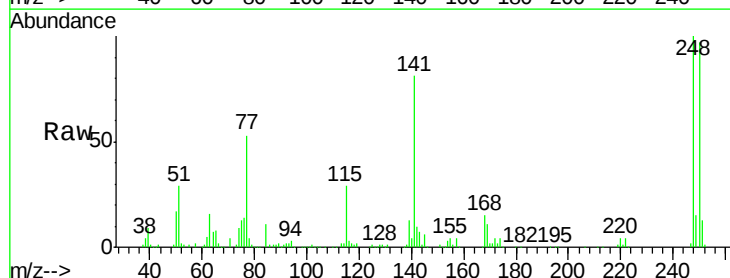
Ion Ratio Lower Upper

77 100

182 0.2 4.4 44.4#

105 0.6 3.8 43.8#

51 53.5 9.3 49.3#

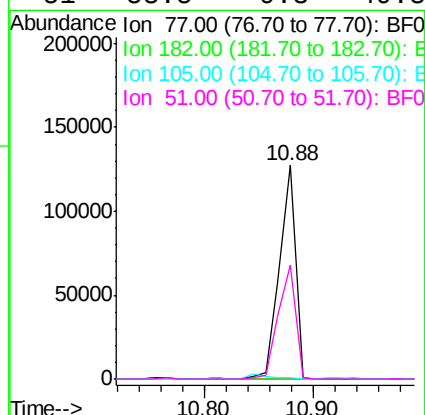
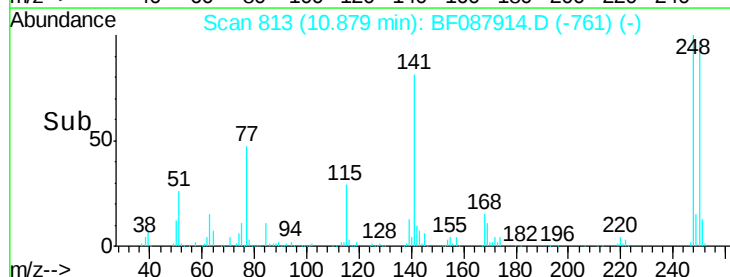


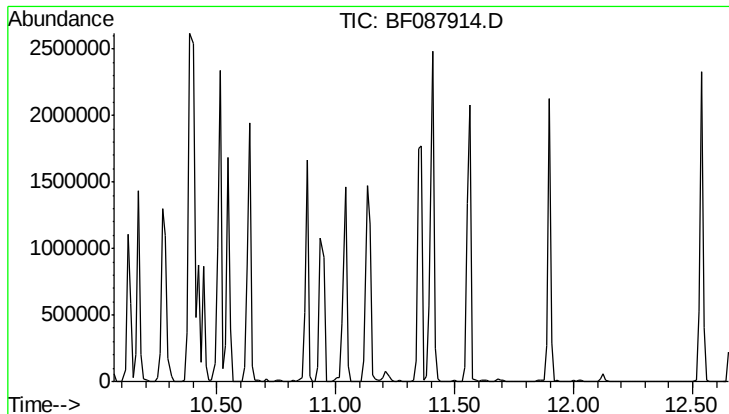
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

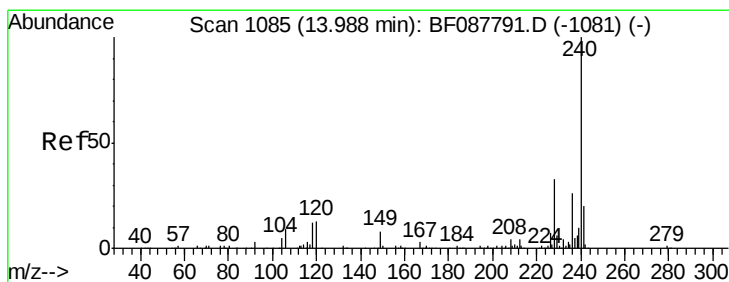
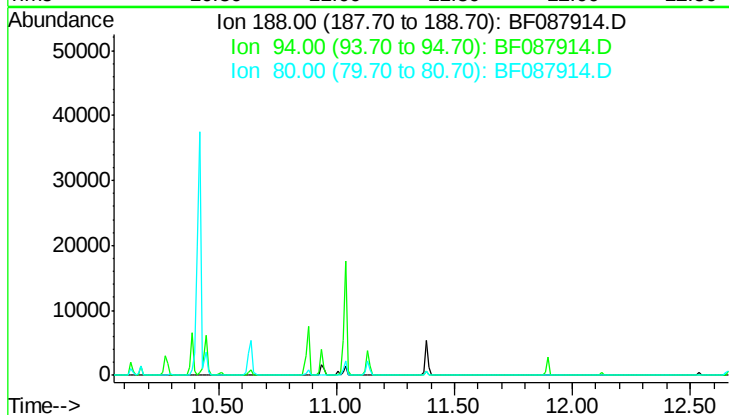




#63
 Phenanthrene-d10
 Concen: 0.00 ng
 Expected RT: 11.36 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

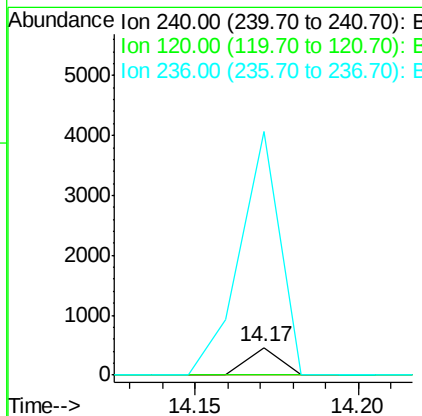
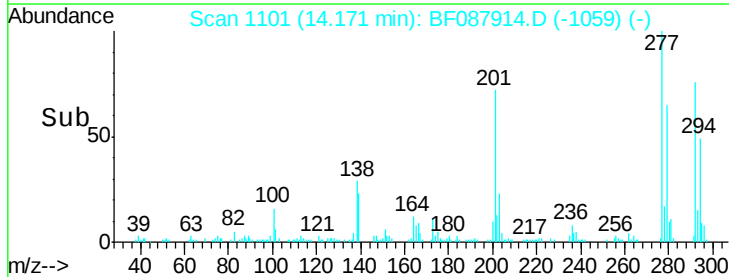
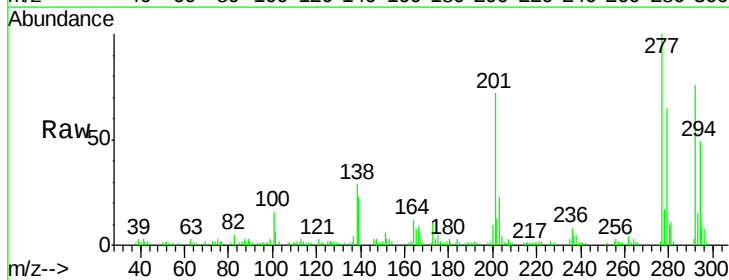
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

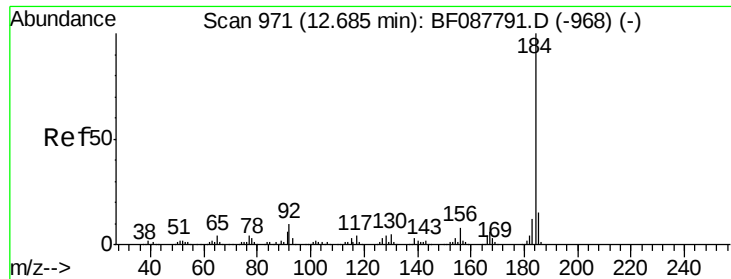
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 11.3
 80 12.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.17 min Scan# 1101
 Delta R.T. 0.18 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion: 240 Resp: 315
 Ion Ratio Lower Upper
 240 100
 120 0.0 6.8 10.2#
 236 885.8 20.2 30.2#

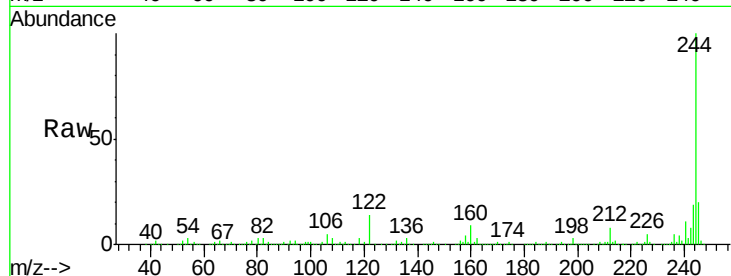




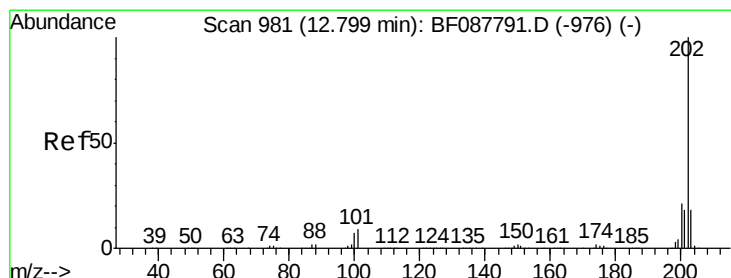
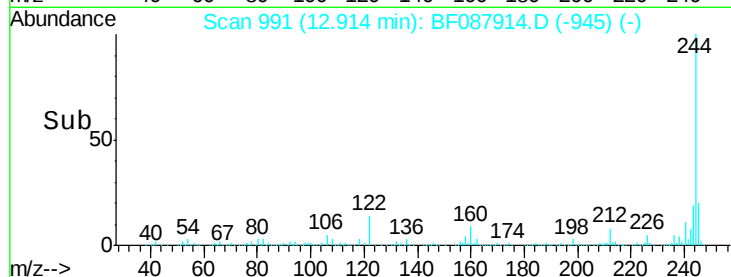
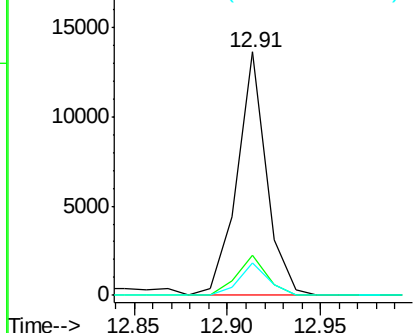
#76
Benzidine
Concen: 1716.80 ng
RT: 12.91 min Scan# 991
Delta R.T. 0.23 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

Tot Ion:184 Resp: 14974
Ion Ratio Lower Upper
184 100
185 16.6 12.5 18.7
183 13.3 9.3 13.9

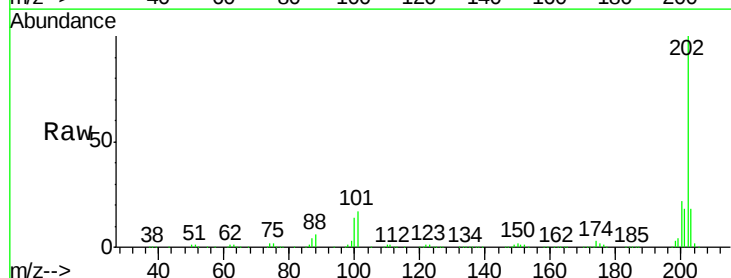


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

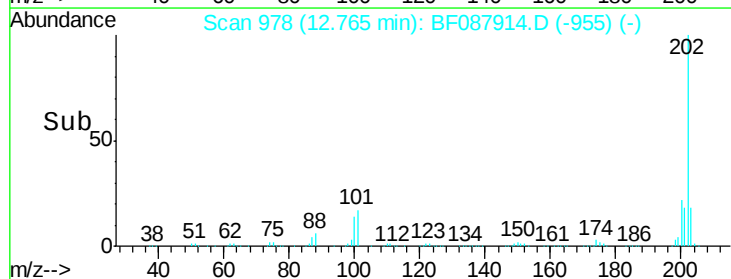
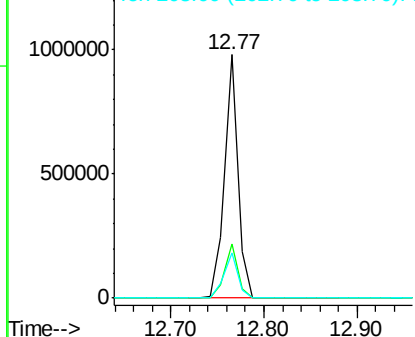


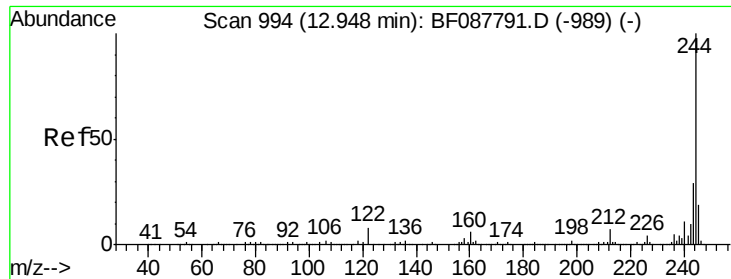
#77
Pyrene
Concen: 41918.59 ng
RT: 12.77 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:202 Resp: 979849
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.3 14.5 21.7



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

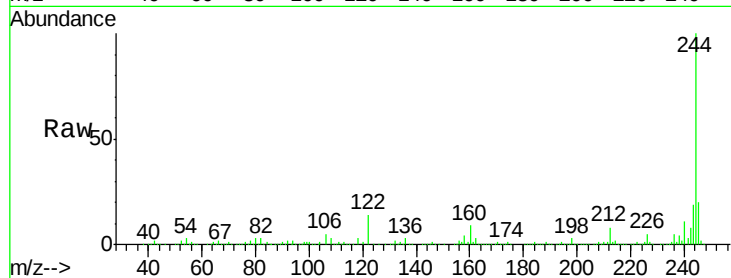




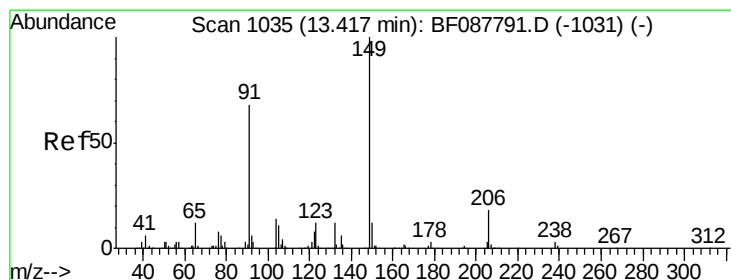
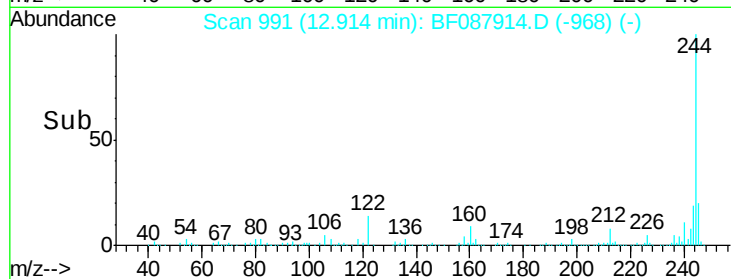
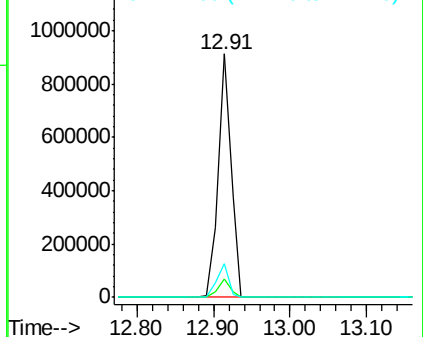
#78
 Terphenyl-d14
 Concen: 77607.99 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Tot Ion:244 Resp: 1074311
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 14.0 11.2 16.8

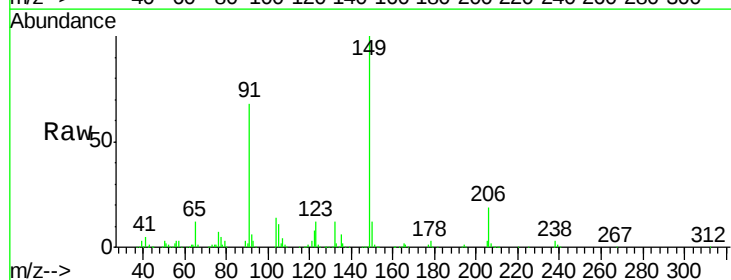


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

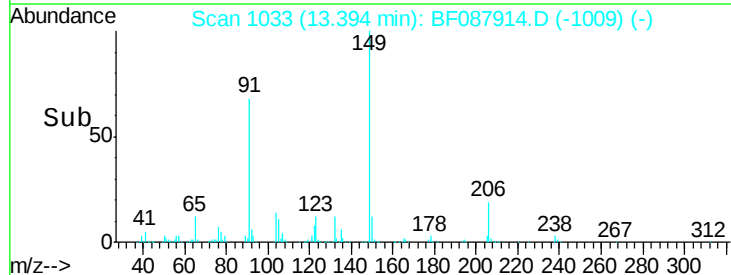
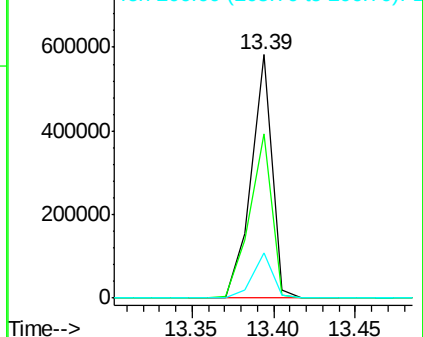


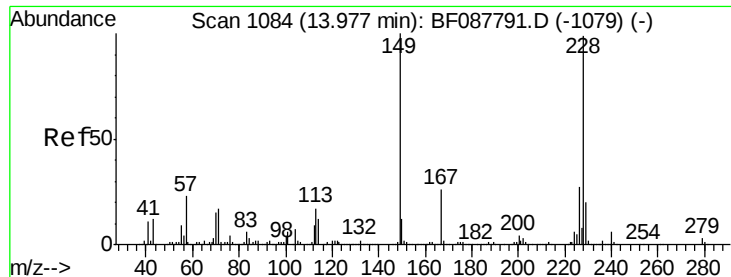
#79
 Butylbenzylphthalate
 Concen: 50394.33 ng
 RT: 13.39 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Tgt Ion:149 Resp: 520796
 Ion Ratio Lower Upper
 149 100
 91 67.5 48.0 72.0
 206 18.7 16.0 24.0



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





#80

Benzo(a)anthracene

Concen: 44374.32 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

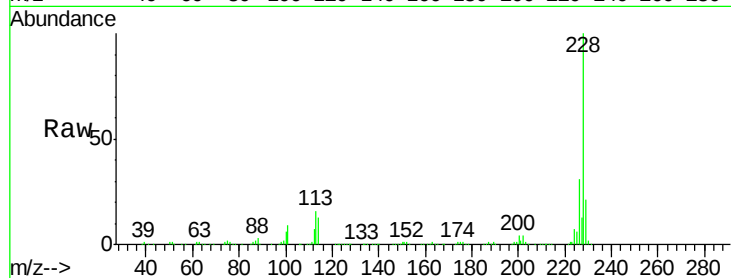
Tot Ion:228 Resp: 796545

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

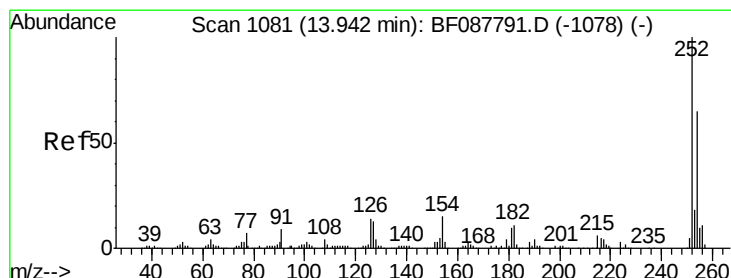
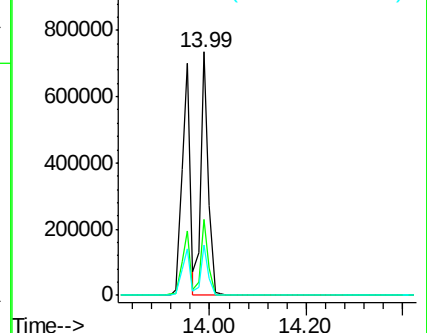
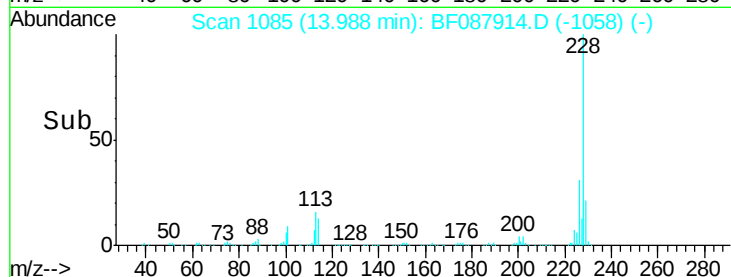
229 20.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 36450.36 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

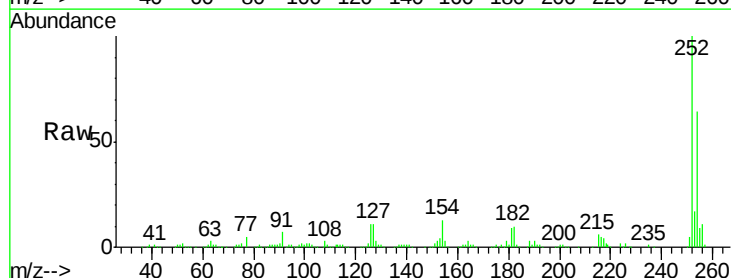
Tgt Ion:252 Resp: 175955

Ion Ratio Lower Upper

252 100

254 64.4 52.6 78.8

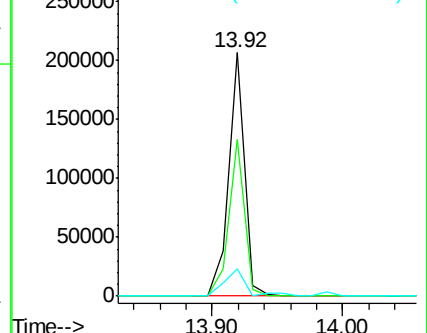
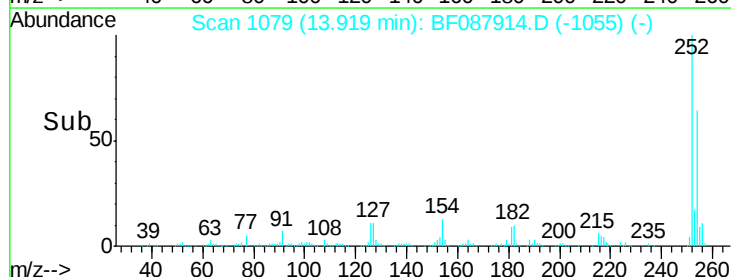
126 11.3 6.2 9.2#

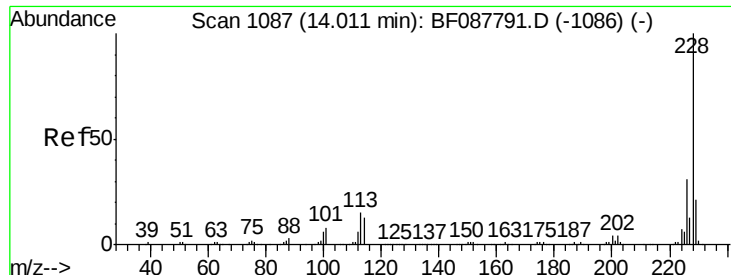


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

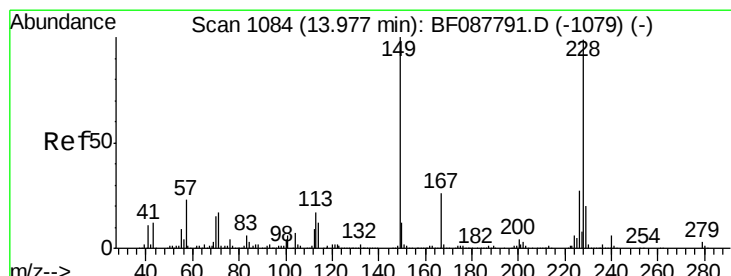
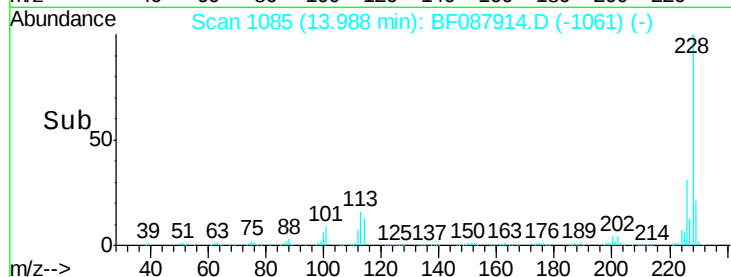
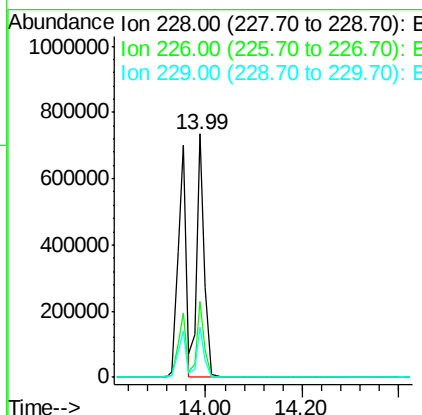
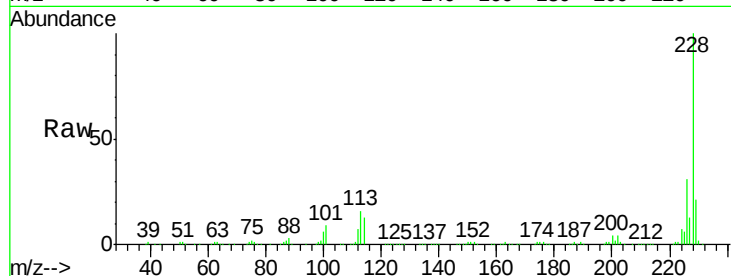




#82
Chrysene
Concen: 47167.04 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

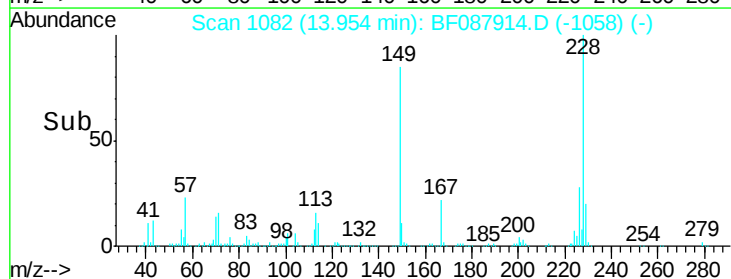
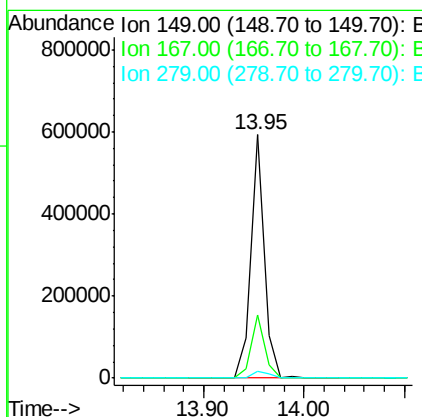
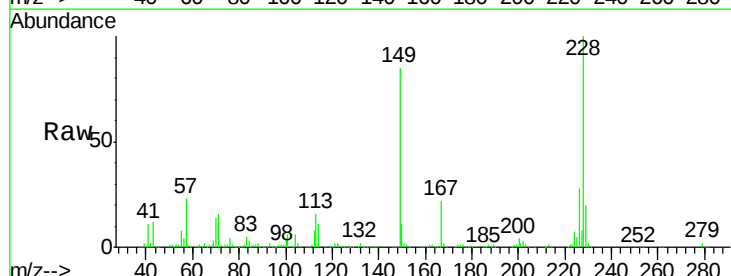
Instrument :
BNA_F
ClientSampleId :
HSR-WC-50-060616MSD

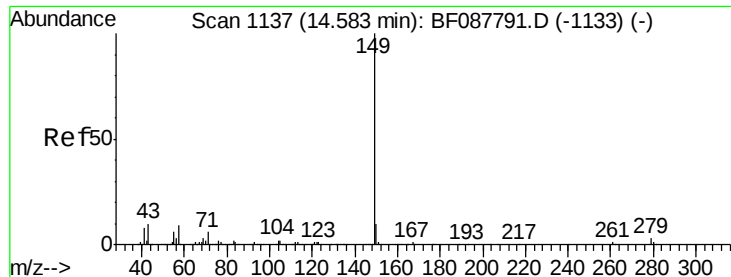
Tot Ion:228 Resp: 796545
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 20.6 16.3 24.5



#83
Bis(2-ethylhexyl)phthalate
Concen: 43845.95 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087914.D
Acq: 11 Jun 2016 21:02

Tgt Ion:149 Resp: 551594
Ion Ratio Lower Upper
149 100
167 25.8 20.5 30.7
279 2.6 2.0 3.0





#84

Di-n-octyl phthalate

Concen: 55538.42 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

Instrument :

BNA_F

ClientSampleId :

HSR-WC-50-060616MSD

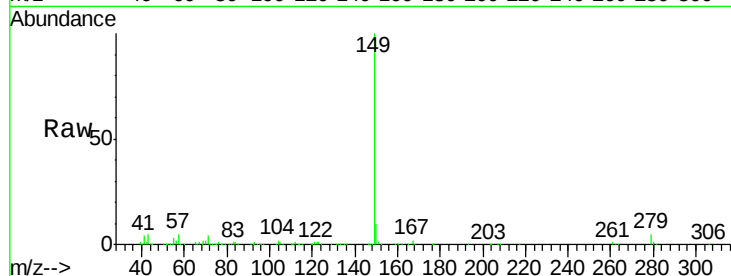
Tot Ion:149 Resp: 1135317

Ion Ratio Lower Upper

149 100

167 1.6 0.0 0.0#

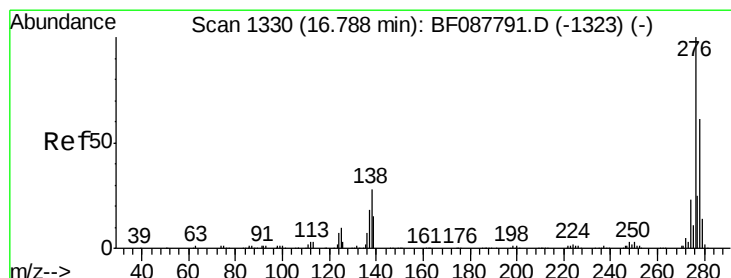
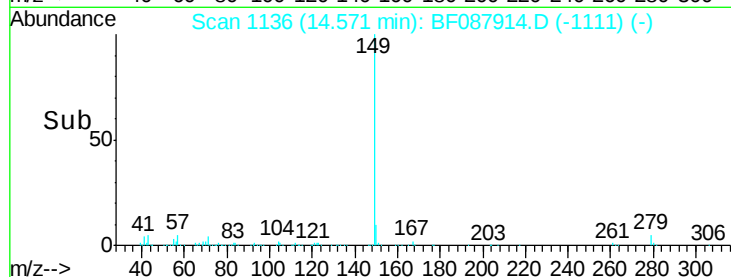
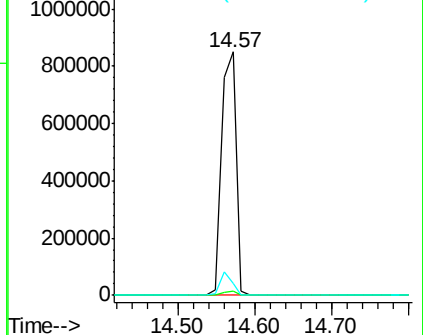
43 8.1 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 40180.00 ng

RT: 17.17 min Scan# 1363

Delta R.T. 0.38 min

Lab File: BF087914.D

Acq: 11 Jun 2016 21:02

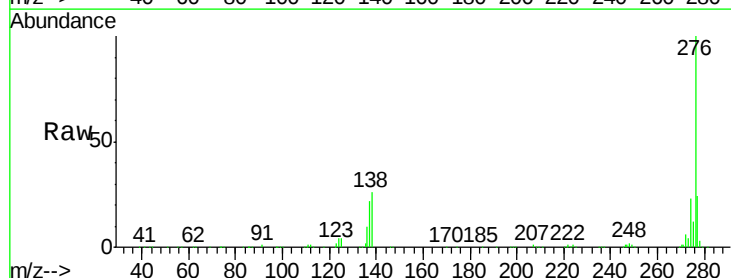
Tgt Ion:276 Resp: 630427

Ion Ratio Lower Upper

276 100

138 26.6 0.0 0.0#

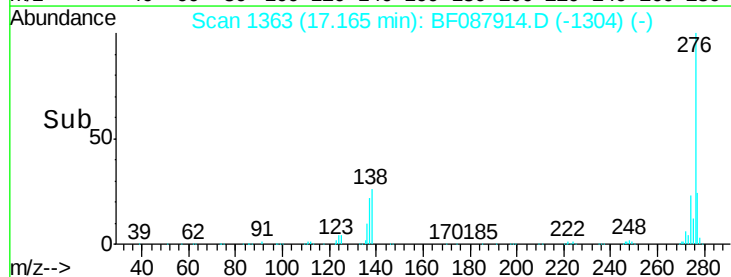
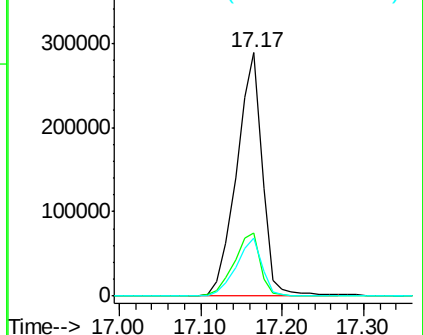
277 23.8 0.0 0.0#

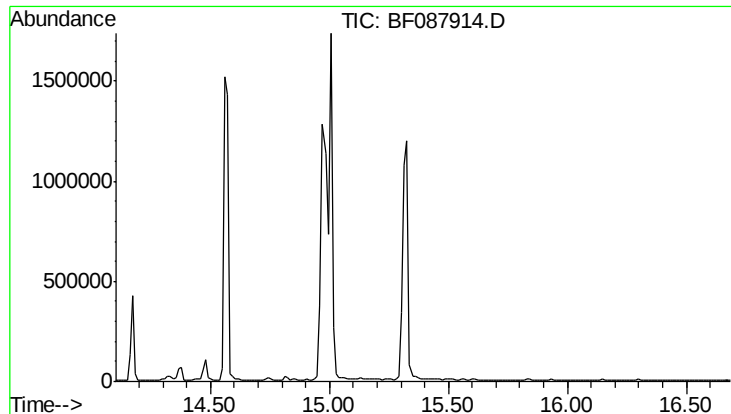


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86
 Pervlene-d12
 Concen: 0.00 ng
 Expected RT: 15.39 min
 Lab File: BF087914.D
 Acq: 11 Jun 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-50-060616MSD

Tot Ion: 264
 Sig Exp Ratio
 264 100
 260 24.0
 265 21.1

