

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087110.D
 Acq On : 17 May 2016 19:03
 Operator : UM/SJ
 Sample : H3074-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

Quant Time: May 18 01:47:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	145683	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	614846	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	247021	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	533258	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	333983	20.00	ng	-0.02
86) Perylene-d12	15.10	264	20991	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1098943	126.79	ng	0.00
7) Phenol-d6	6.27	99	1273200	109.53	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1130650	91.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	453096	165.99	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	1846020	123.77	ng	-0.01
78) Terphenyl-d14	12.70	244	1674730	113.43	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.23	88	153009	34.32	ng	# 65
3) Pyridine	2.88	79	92056	8.54	ng	# 63
4) n-Nitrosodimethylamine	2.76	42	314634	41.17	ng	# 51
8) 2-Chlorophenol	6.39	128	452169	42.88	ng	86
9) Benzaldehyde	6.15	77	36217	4.37	ng	98
10) Phenol	6.28	94	517612	35.42	ng	85
11) bis(2-Chloroethyl)ether	6.34	93	449357	40.95	ng	84
12) 1,3-Dichlorobenzene	6.54	146	452950	40.41	ng	99
13) 1,4-Dichlorobenzene	6.62	146	460950	40.19	ng	100
14) 1,2-Dichlorobenzene	6.76	146	446971	44.51	ng	98
15) Benzyl Alcohol	6.78	79	43567	5.03	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.89	45	943133	41.81	ng	74
17) 2-Methylphenol	6.89	107	305334	35.26	ng	# 75
18) Hexachloroethane	7.10	117	180066	41.07	ng	96
19) n-Nitroso-di-n-propylamine	7.03	70	357591	40.47	ng	# 66
20) 3+4-Methylphenols	7.05	107	431780	37.80	ng	# 60
22) Acetophenone	7.02	105	681905	45.32	ng	# 98
24) Nitrobenzene	7.19	77	506476	37.60	ng	94
25) Isophorone	7.43	82	991916	43.92	ng	97
26) 2-Nitrophenol	7.51	139	251424	45.06	ng	# 78
27) 2,4-Dimethylphenol	7.56	122	356313	37.42	ng	87
28) bis(2-Chloroethoxy)methane	7.64	93	211273	17.04	ng	99
29) 2,4-Dichlorophenol	7.76	162	395970	47.19	ng	95
30) 1,2,4-Trichlorobenzene	7.83	180	400022	42.96	ng	97
31) Naphthalene	7.91	128	1381727	45.99	ng	99
32) Benzoic acid	7.74	122	268879	47.37	ng	# 80
33) 4-Chloroaniline	7.91	127	188474	15.09	ng	# 36
34) Hexachlorobutadiene	8.02	225	222446	42.10	ng	99
35) Caprolactam	8.36	113	45752	16.37	ng	# 60
36) 4-Chloro-3-methylphenol	8.48	107	414482	40.95	ng	92
37) 2-Methylnaphthalene	8.70	142	848815	44.17	ng	93
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	380776	52.78	ng	# 97
40) Hexachlorocyclopentadiene	8.75	237	317384	110.59	ng	94
42) 2,4,6-Trichlorophenol	8.89	196	262630	56.13	ng	94

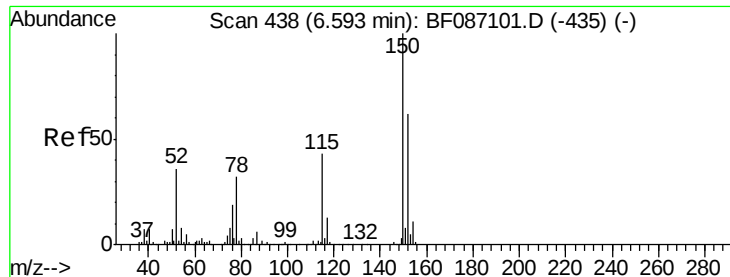
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.95	196	243052	50.00	ng	95
45) 1,1'-Biphenyl	9.06	154	1035709	50.57	ng	96
46) 2-Chloronaphthalene	9.08	162	806131	51.27	ng	93
47) 2-Nitroaniline	9.20	65	121875	20.23	ng	92
48) Acenaphthylene	9.50	152	714167	29.74	ng	99
49) Dimethylphthalate	9.38	163	1099818	58.36	ng	100
50) 2,6-Dinitrotoluene	9.44	165	205468	50.22	ng	# 75
51) Acenaphthene	9.67	154	715137	47.67	ng	99
53) 2,4-Dinitrophenol	9.72	184	254876	107.01	ng	# 79
54) Dibenzofuran	9.84	168	1058591	54.57	ng	93
55) 4-Nitrophenol	9.84	139	708045	140.78	ng	# 20
56) 2,4-Dinitrotoluene	9.85	165	319630	60.99	ng	# 75
57) Fluorene	10.18	166	877217	56.29	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	222387	58.74	ng	96
59) Diethylphthalate	10.07	149	984530	54.73	ng	99
60) 4-Chlorophenyl-phenylether	10.18	204	422848	57.24	ng	# 77
61) 4-Nitroaniline	10.23	138	46460	10.62	ng	83
62) Azobenzene	10.33	77	908996	43.85	ng	84
64) 4,6-Dinitro-2-methylphenol	10.25	198	160807	45.79	ng	# 40
65) n-Nitrosodiphenylamine	10.30	169	87380	5.21	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	260889	47.58	ng	96
67) Hexachlorobenzene	10.73	284	320435	50.40	ng	97
68) Atrazine	10.92	200	56957	10.40	ng	# 36
69) Pentachlorophenol	10.94	266	293801	123.01	ng	97
70) Phenanthrene	11.13	178	1314335	45.44	ng	100
71) Anthracene	11.19	178	1294551	44.25	ng	100
72) Carbazole	11.35	167	65571	2.45	ng	97
73) Di-n-butylphthalate	11.69	149	1605286	52.30	ng	100
74) Fluoranthene	12.32	202	1364618	47.09	ng	94
77) Pyrene	12.54	202	802334	33.25	ng	99
79) Butylbenzylphthalate	13.18	149	439074	43.11	ng	98
80) Benzo(a)anthracene	13.73	228	917622	47.52	ng	99
82) Chrysene	13.77	228	1042901	55.82	ng	100
83) Bis(2-ethylhexyl)phthalate	13.74	149	856125	69.06	ng	98
84) Di-n-octyl phthalate	14.34	149	1415548	66.29	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.33	276	414658	25.28	ng	98
87) Benzo(b)fluoranthene	14.73	252	1566027	1124.57	ng	# 96
88) Benzo(k)fluoranthene	14.73	252	1566027	1510.54	ng	99
89) Benzo(a)pyrene	15.04	252	369651	317.56	ng	96
90) Dibenzo(a,h)anthracene	16.34	278	631525	644.39	ng	96
91) Benzo(g,h,i)perylene	16.70	276	332341	335.75	ng	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

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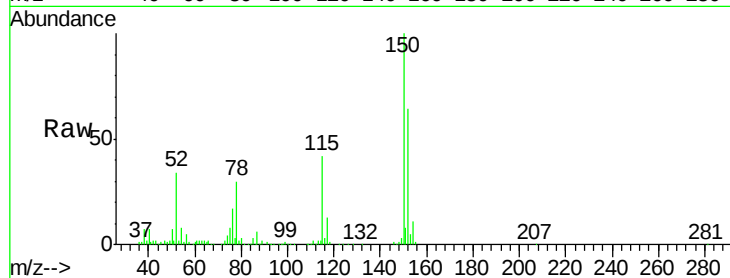
Tgt Ion:152 Resp: 145683

Ion Ratio Lower Upper

152 100

150 157.3 125.8 188.6

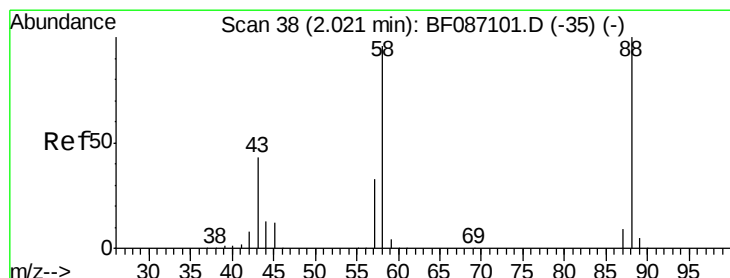
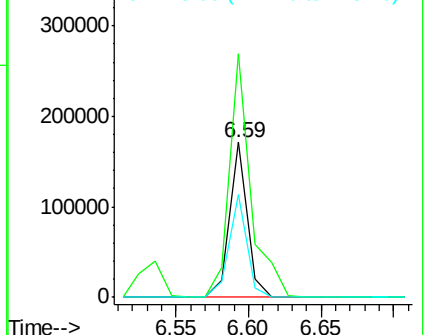
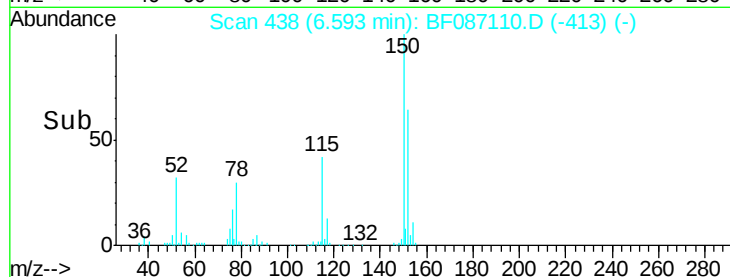
115 66.2 51.5 77.3



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: 34.32 ng

RT: 2.23 min Scan# 56

Delta R.T. 0.17 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

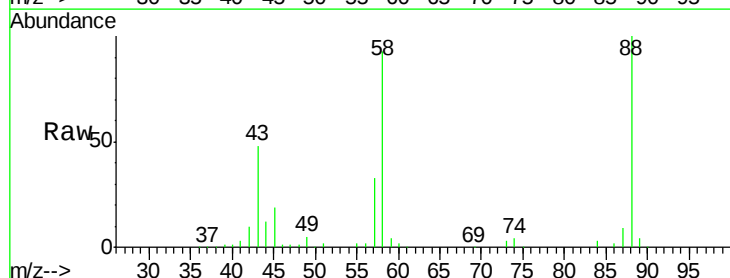
Tgt Ion: 88 Resp: 153009

Ion Ratio Lower Upper

88 100

58 99.0 59.6 89.4#

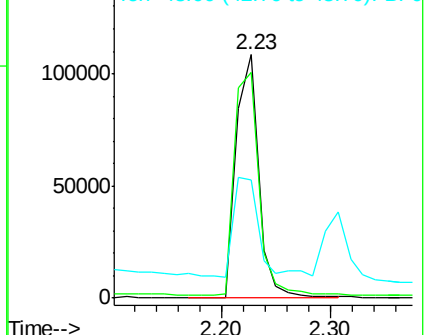
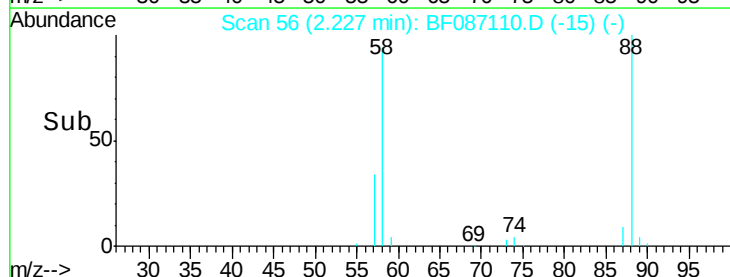
43 0.0 21.8 32.6#

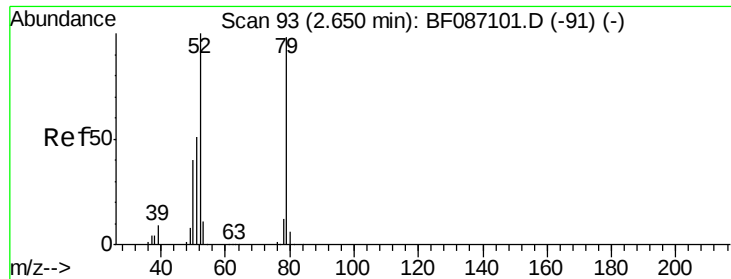


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 8.54 ng

RT: 2.88 min Scan# 113

Delta R.T. 0.19 min

Lab File: BF087110.D

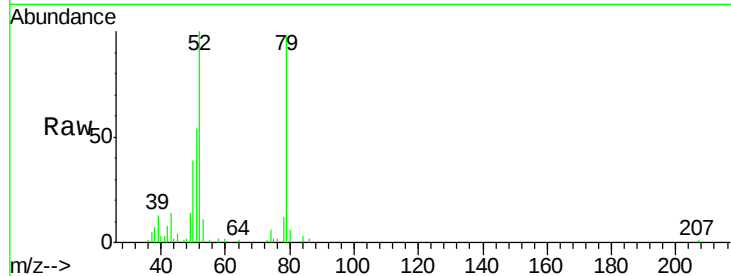
Acq: 17 May 2016 19:03

Instrument :

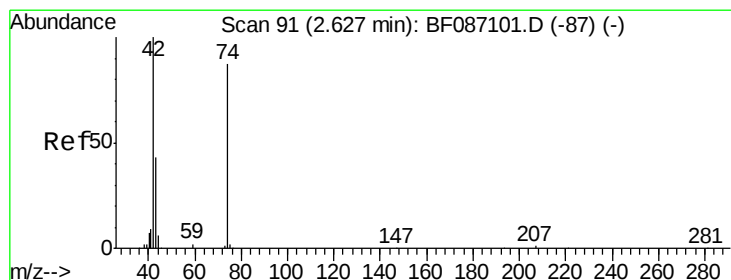
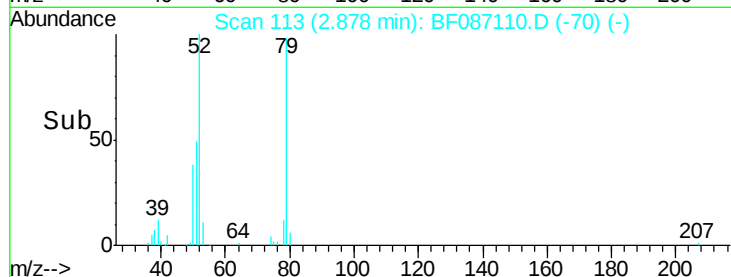
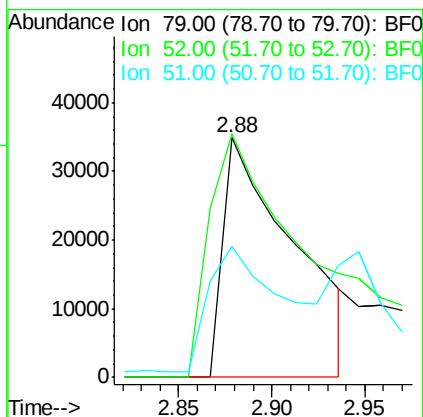
BNA_F

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Tgt Ion:	79	Resp:	92056
Ion	Ratio	Lower	Upper
79	100		
52	101.7	55.9	83.9#
51	54.5	28.1	42.1#



#4

n-Nitrosodimethylamine

Concen: 41.17 ng

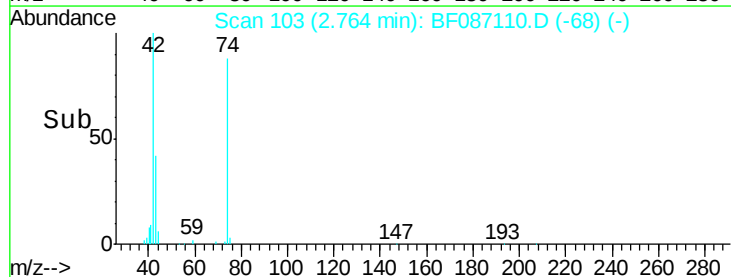
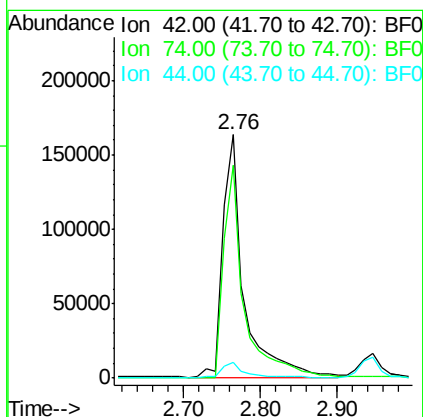
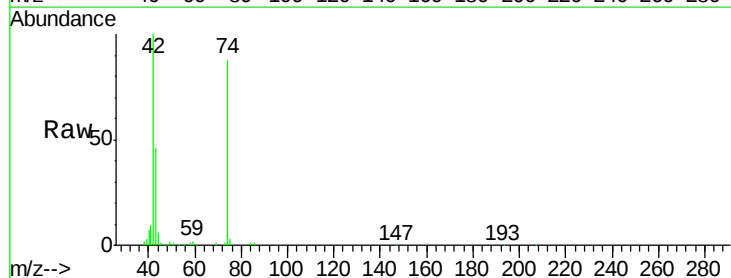
RT: 2.76 min Scan# 103

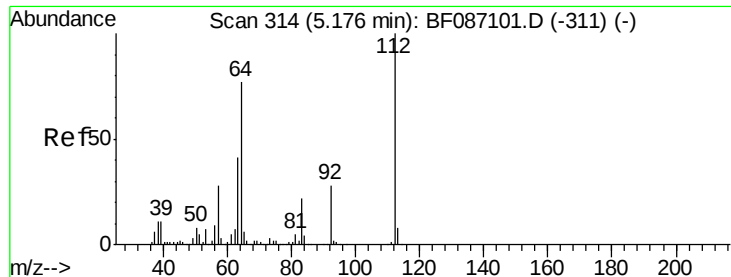
Delta R.T. 0.10 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:	42	Resp:	314634
Ion	Ratio	Lower	Upper
42	100		
74	87.6	123.4	185.0#
44	6.4	5.8	8.6





#5

2-Fluorophenol

Concen: 126.79 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

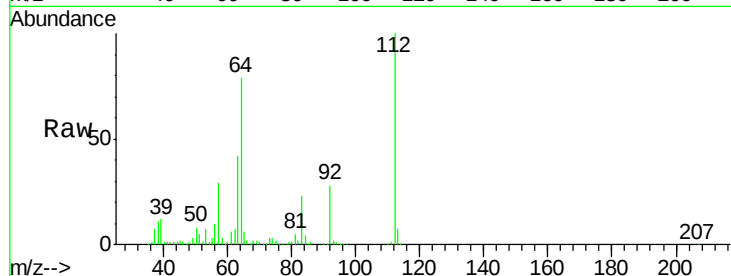
Tgt Ion:112 Resp: 1098943

Ion Ratio Lower Upper

112 100

64 78.6 52.1 78.1#

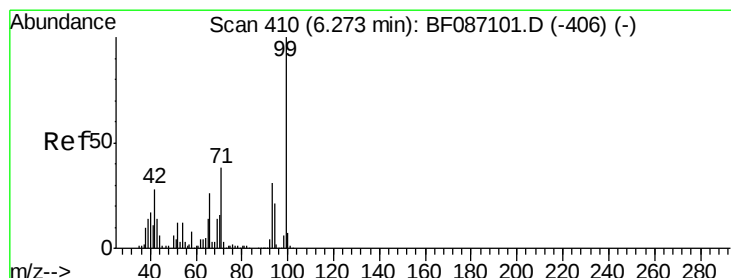
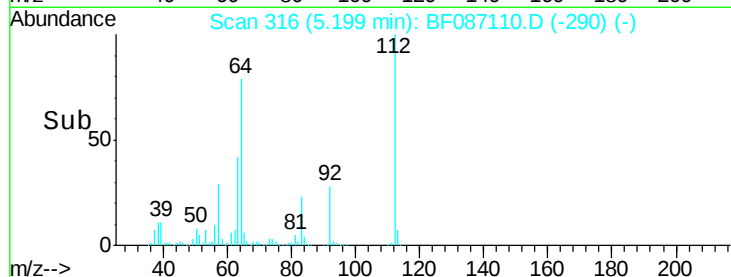
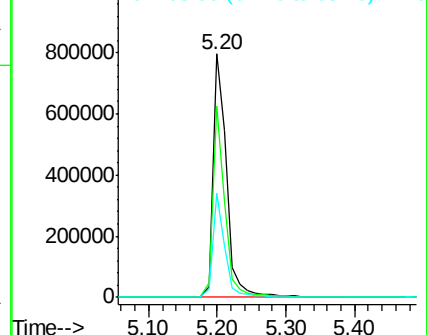
63 42.5 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 109.53 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

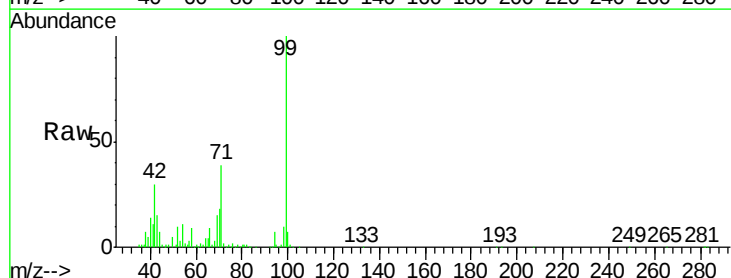
Tgt Ion: 99 Resp: 1273200

Ion Ratio Lower Upper

99 100

42 29.8 13.6 20.4#

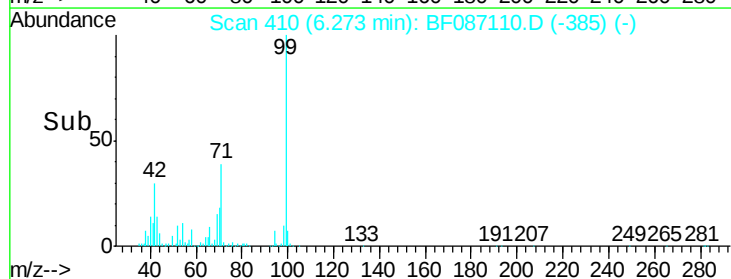
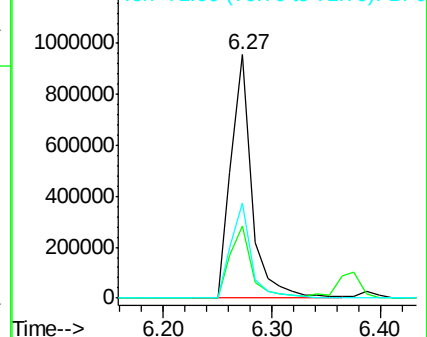
71 38.9 24.6 36.8#

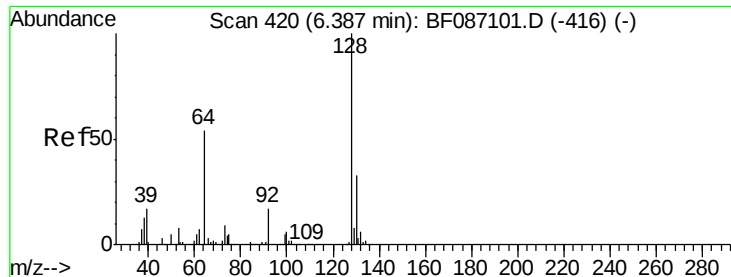


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 42.88 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

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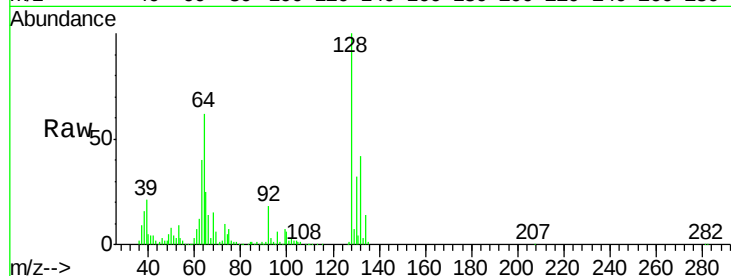
Tgt Ion:128 Resp: 452169

Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

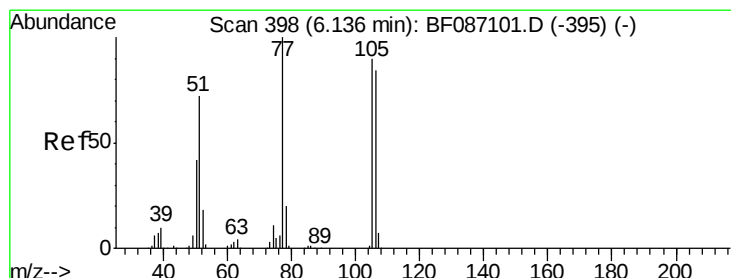
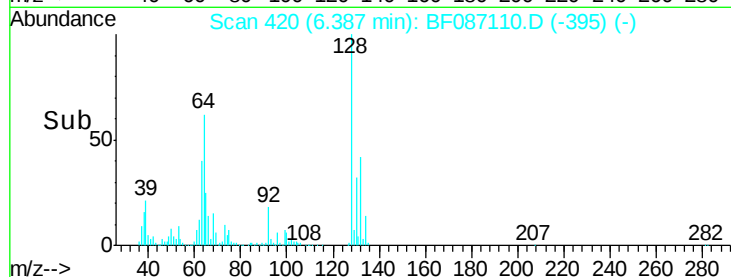
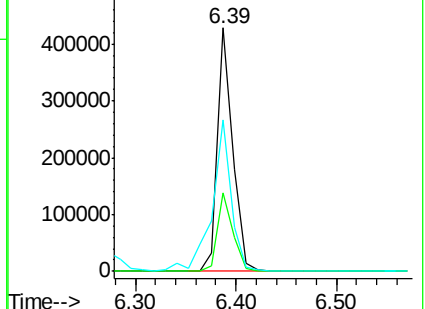
64 62.2 27.3 67.3



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: 4.37 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

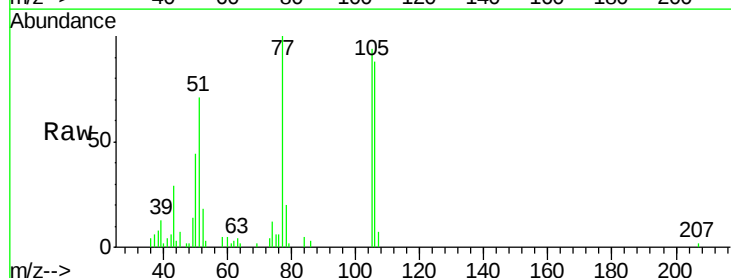
Tgt Ion: 77 Resp: 36217

Ion Ratio Lower Upper

77 100

105 94.1 72.7 112.7

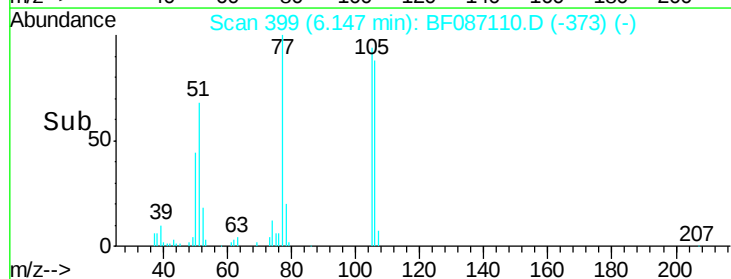
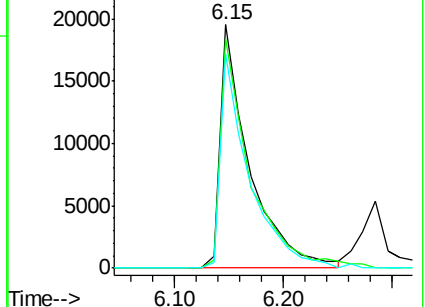
106 87.8 70.8 110.8

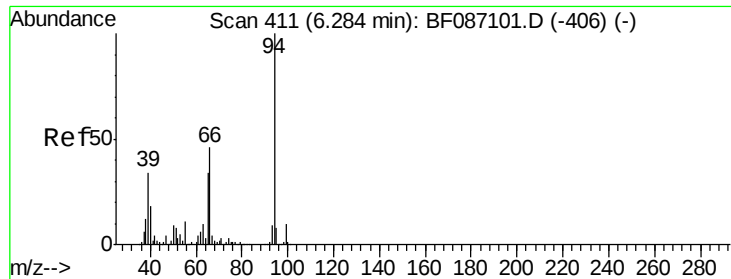


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 35.42 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

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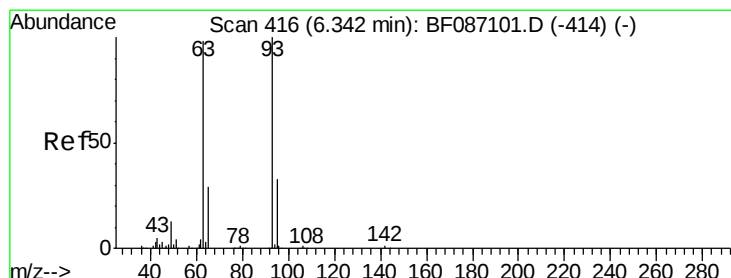
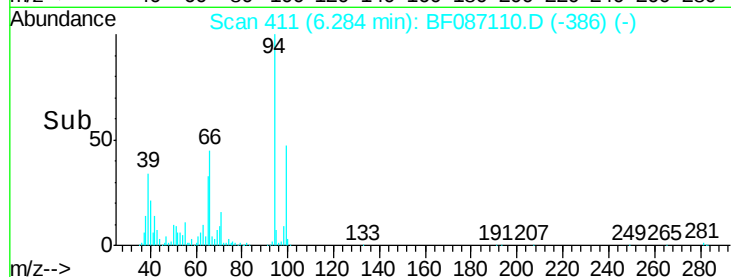
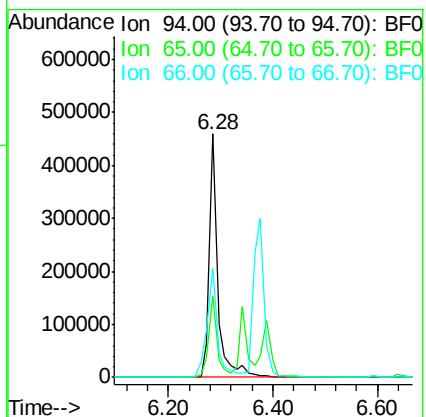
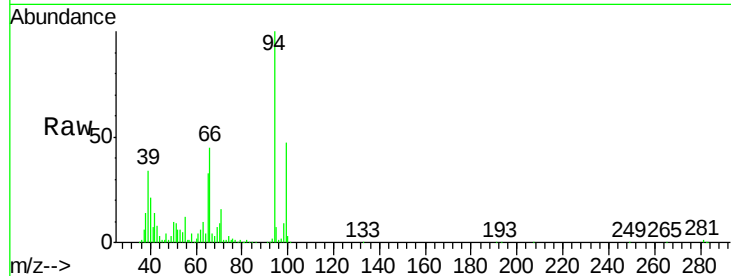
Tgt Ion: 94 Resp: 517612

Ion Ratio Lower Upper

94 100

65 33.4 7.2 47.2

66 44.9 14.9 54.9



#11

bis(2-Chloroethyl)ether

Concen: 40.95 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

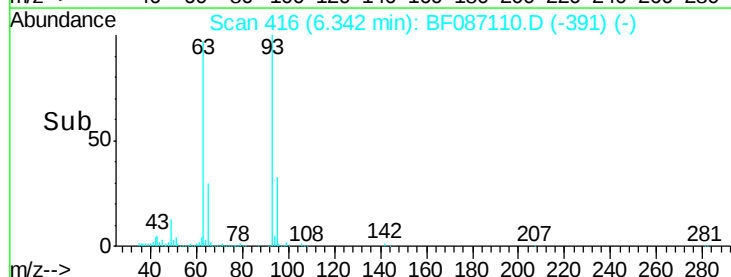
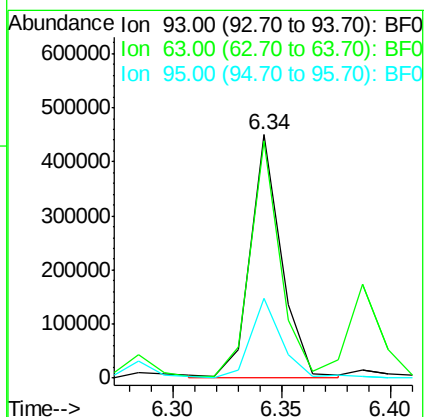
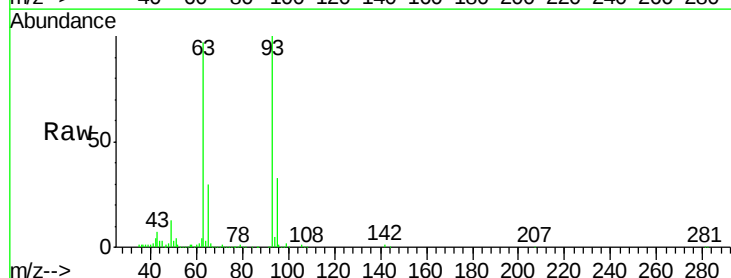
Tgt Ion: 93 Resp: 449357

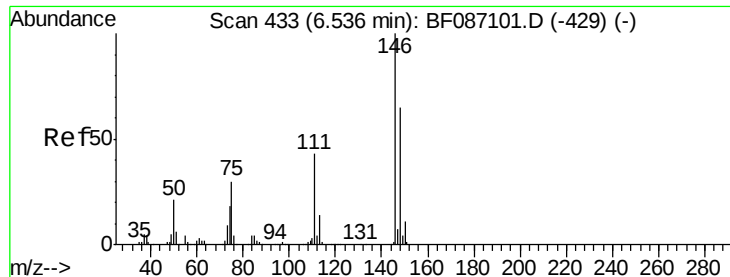
Ion Ratio Lower Upper

93 100

63 97.2 58.0 98.0

95 32.7 11.9 51.9





#12

1,3-Dichlorobenzene

Concen: 40.41 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

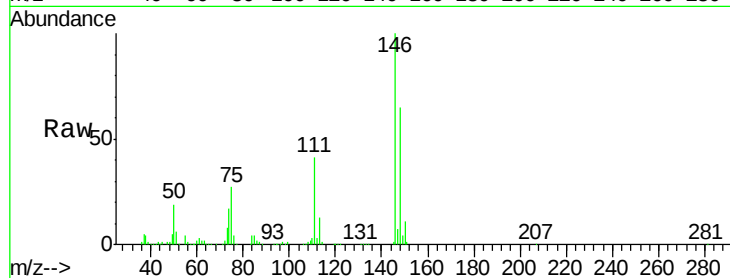
Tgt Ion:146 Resp: 452950

Ion Ratio Lower Upper

146 100

148 65.2 52.4 78.6

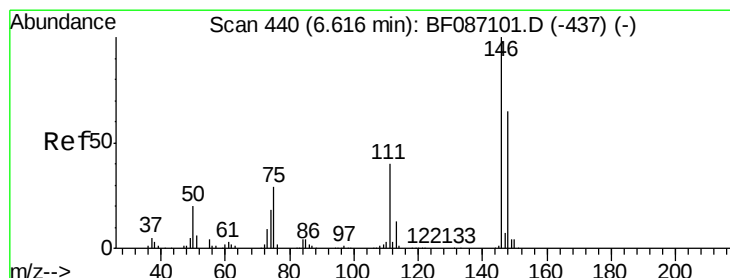
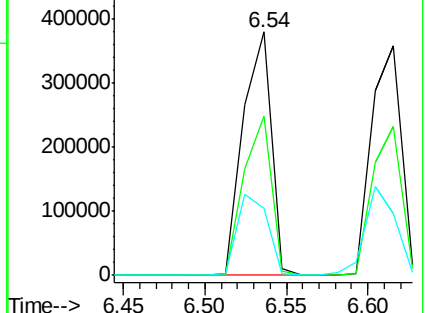
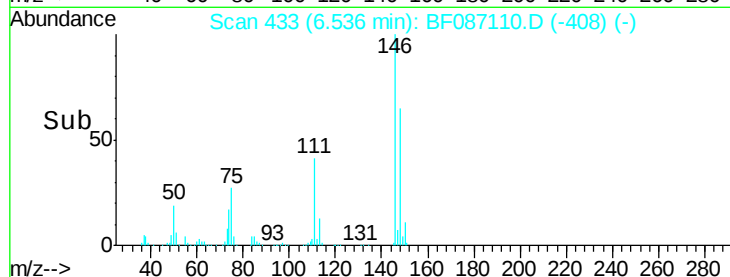
75 27.5 22.8 34.2



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: 40.19 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

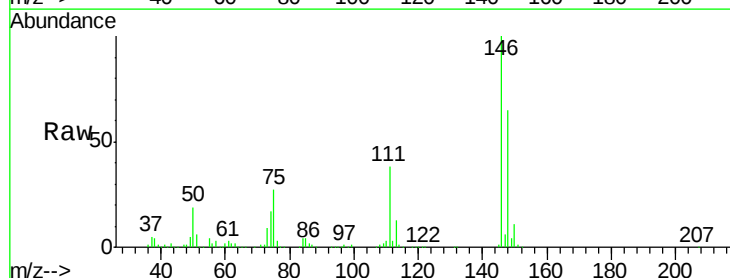
Tgt Ion:146 Resp: 460950

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.4

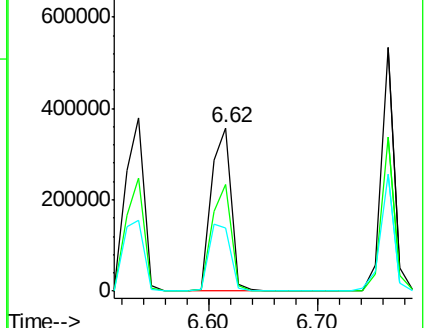
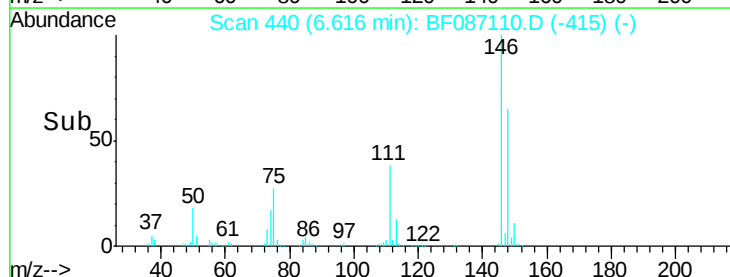
111 38.5 30.7 46.1

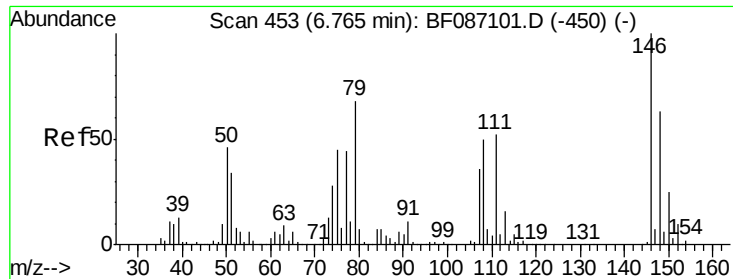


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 44.51 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

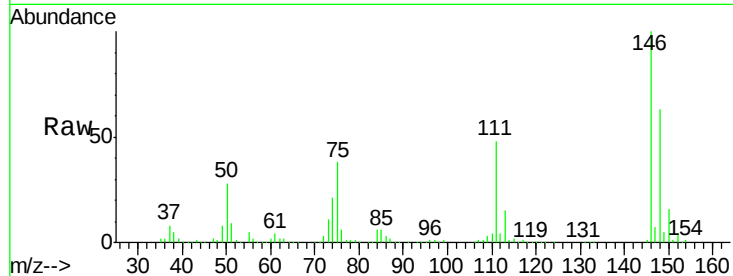
Tgt Ion:146 Resp: 446971

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.6

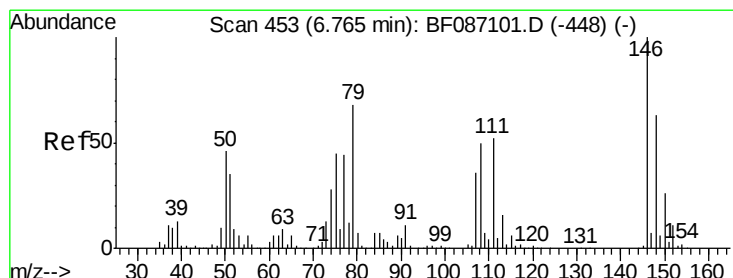
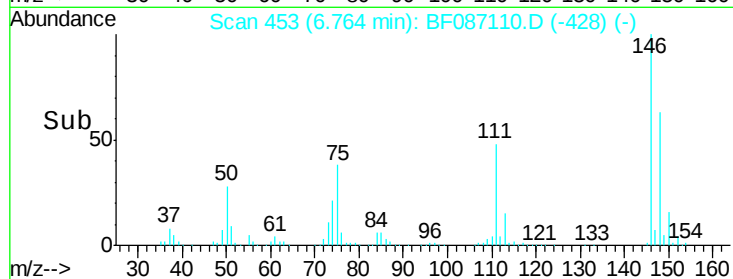
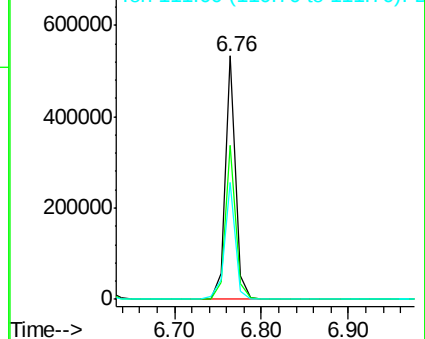
111 47.9 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 5.03 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

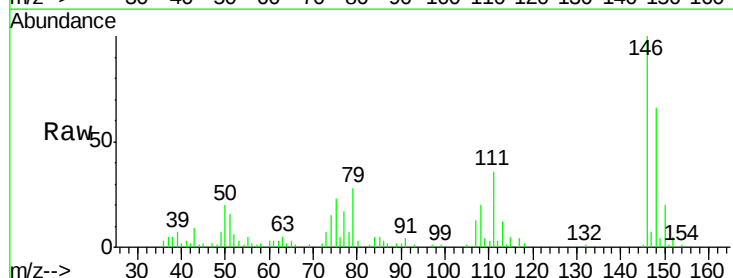
Tgt Ion: 79 Resp: 43567

Ion Ratio Lower Upper

79 100

108 73.8 68.4 102.6

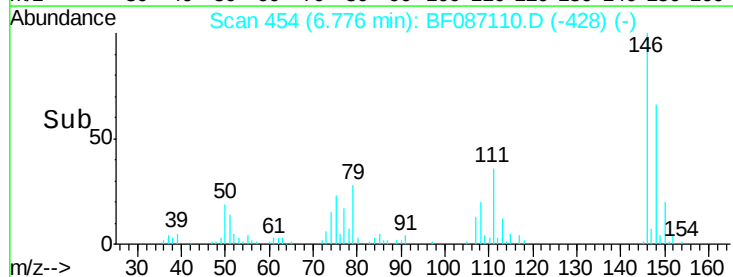
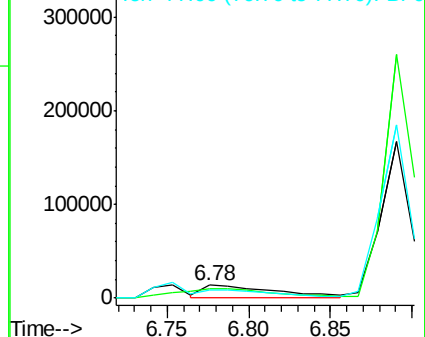
77 62.7 50.6 76.0

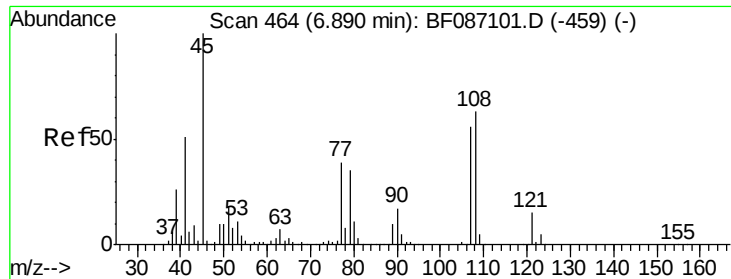


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

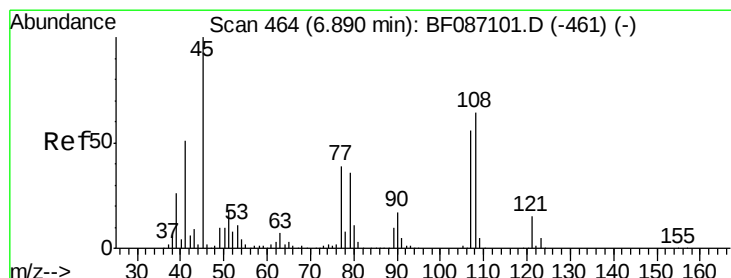
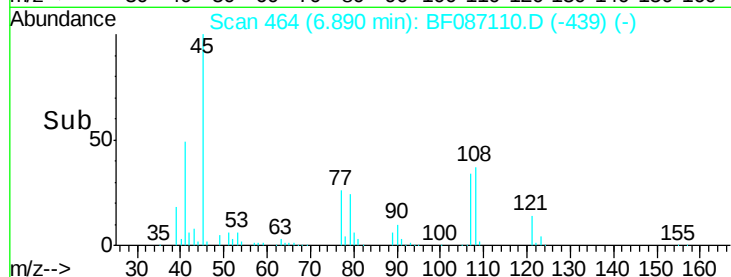
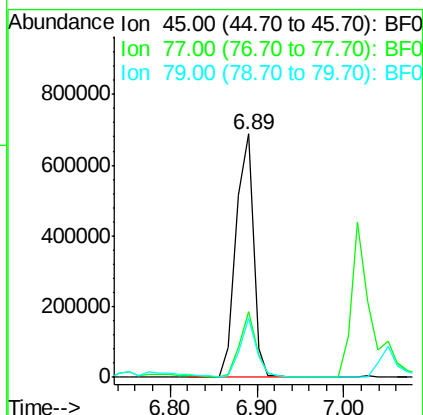
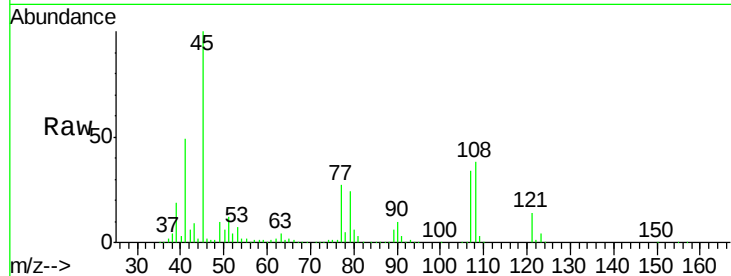




#16
2,2'-oxybis(1-chloropropane)
Concen: 41.81 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

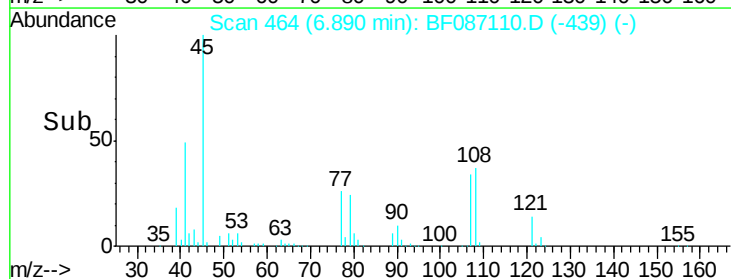
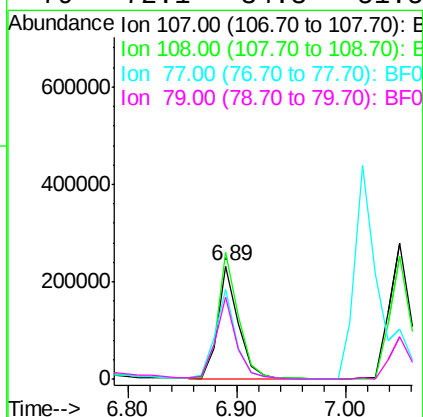
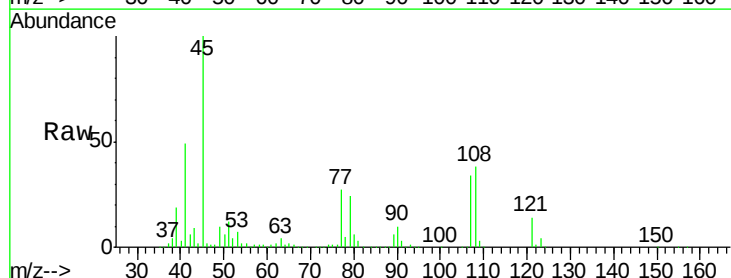
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

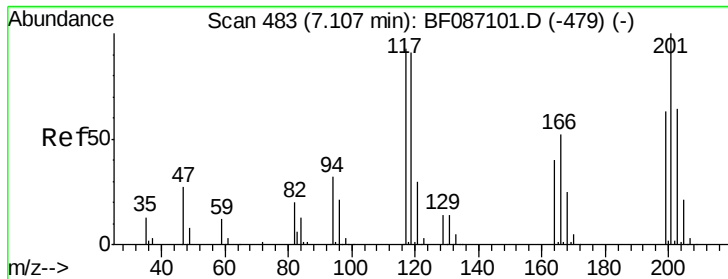
Tgt Ion	Ratio	Lower	Upper
45	100		
77	26.8	0.0	36.4
79	24.3	0.0	33.4



#17
2-Methylphenol
Concen: 35.26 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.9	93.7	140.5
77	79.3	33.4	50.0#
79	72.1	34.3	51.5#

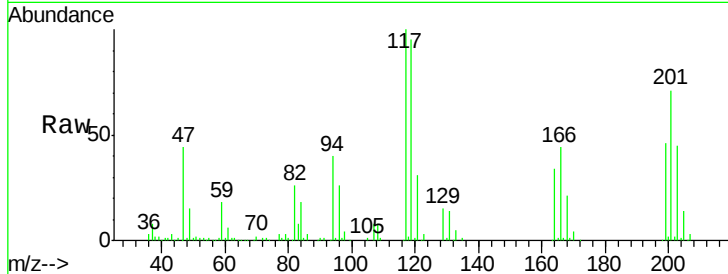




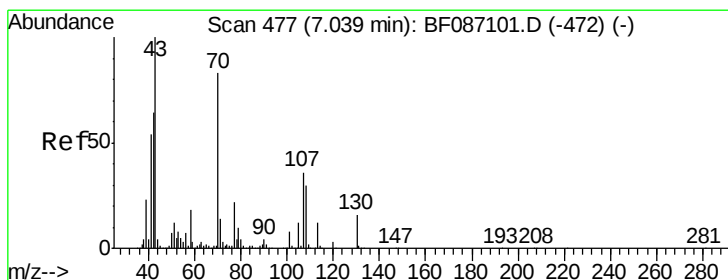
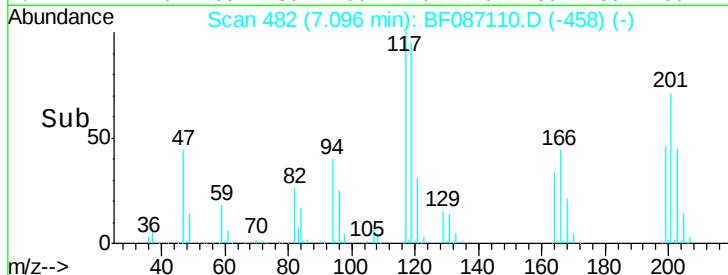
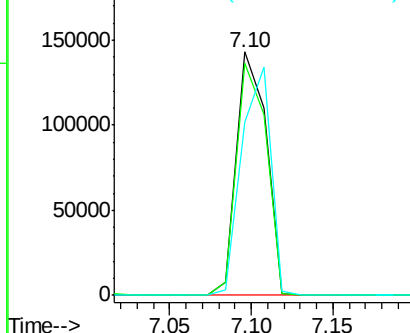
#18
Hexachloroethane
Concen: 41.07 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

Tgt Ion: 117 Resp: 180066
Ion Ratio Lower Upper
117 100
119 95.4 76.5 114.7
201 71.0 63.0 94.6

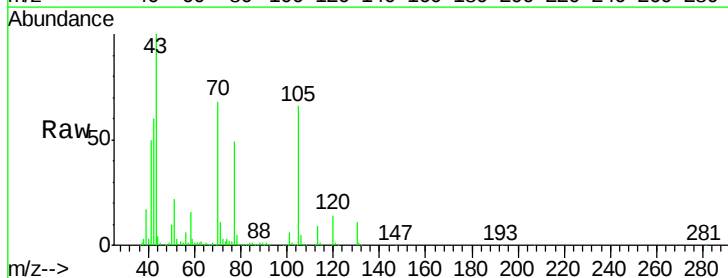


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

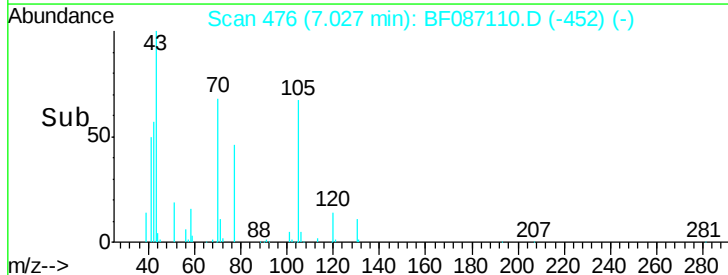
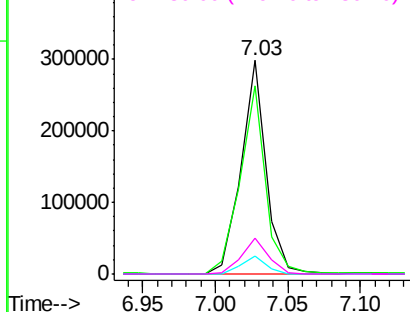


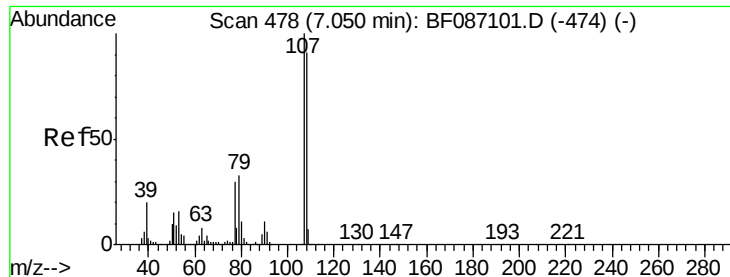
#19
n-Nitroso-di-n-propylamine
Concen: 40.47 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion: 70 Resp: 357591
Ion Ratio Lower Upper
70 100
42 88.4 43.1 64.7#
101 8.5 8.1 12.1
130 16.5 18.6 28.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 37.80 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

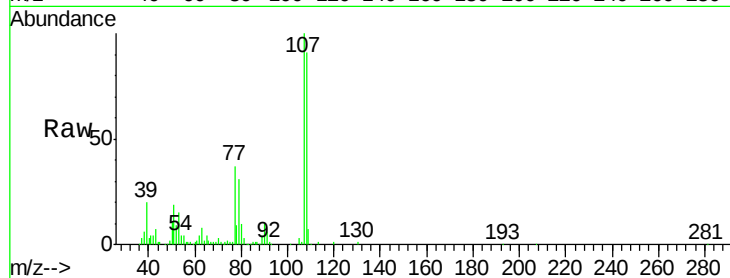
Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

Tgt Ion:	107	Resp:	431780
Ion	Ratio	Lower	Upper
107	100		
108	90.5	68.5	108.5
77	36.6	101.6	141.6#
79	31.1	7.4	47.4

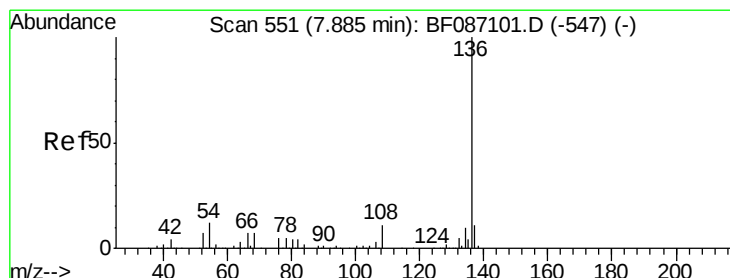
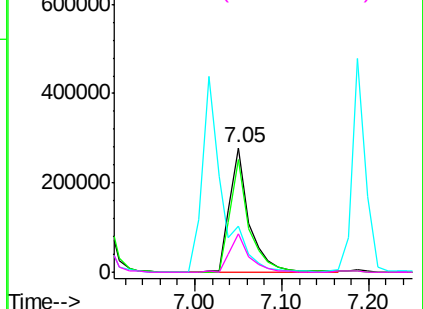
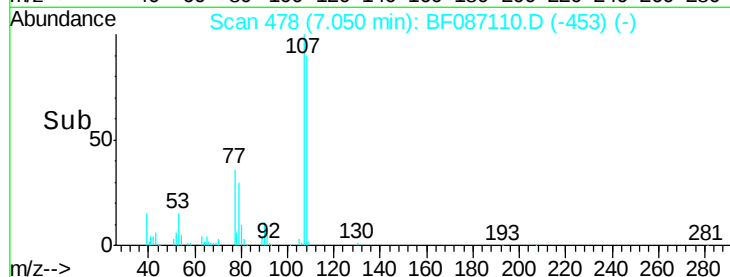


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

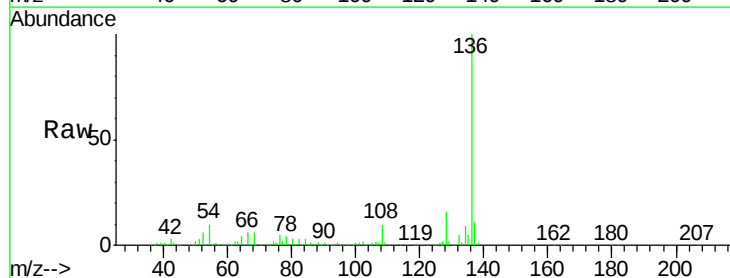
RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:	136	Resp:	614846
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.0	5.0	7.4#
68	5.5	4.4	6.6

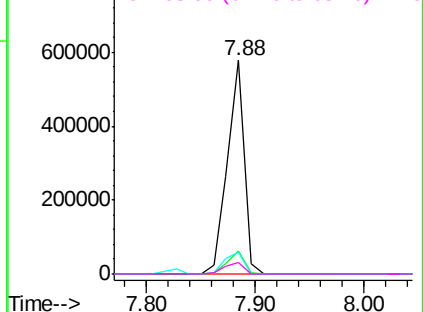
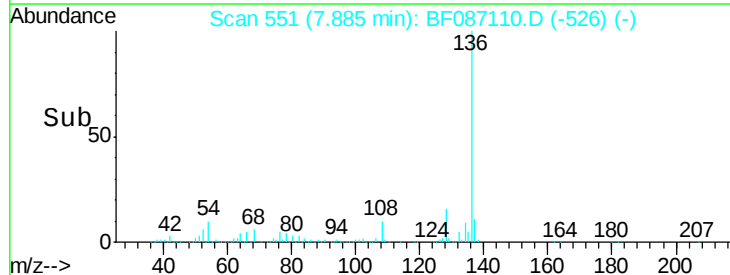


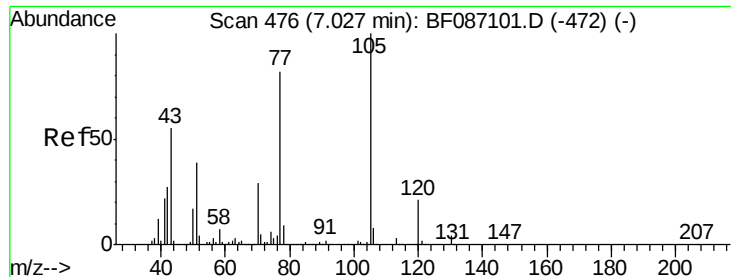
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 45.32 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

Tgt Ion:105 Resp: 681905

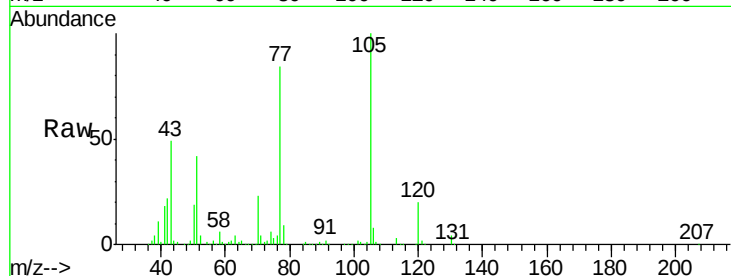
Ion Ratio Lower Upper

105 100

71 3.9 4.8 7.2#

51 42.3 32.6 49.0

120 20.2 16.5 24.7



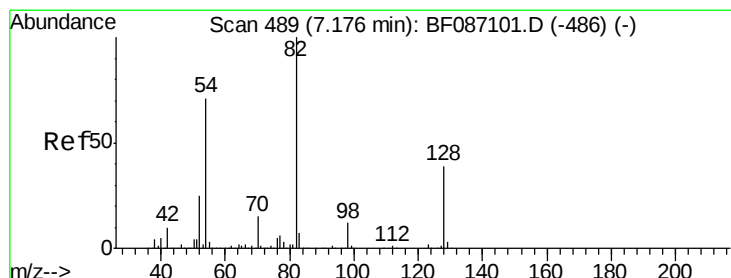
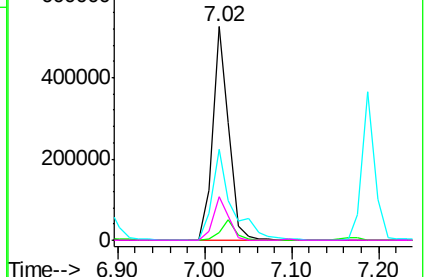
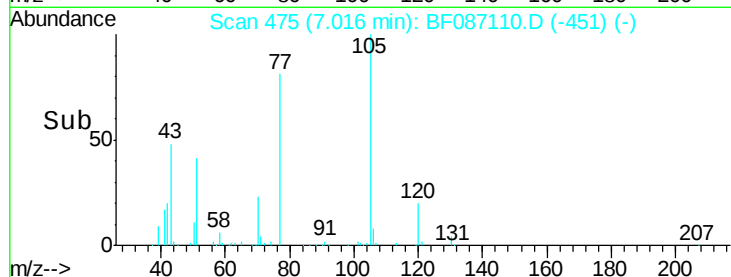
Abundance Ion 105.00 (104.70 to 105.70): E

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-->



#23

Nitrobenzene-d5

Concen: 91.65 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

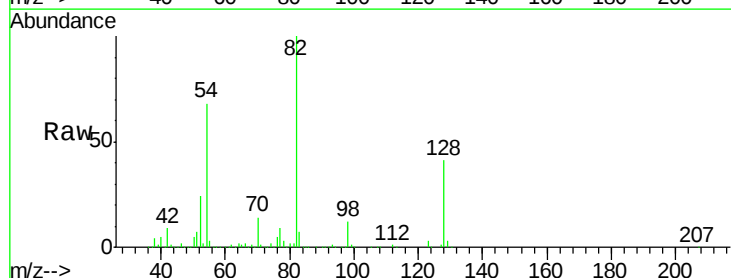
Tgt Ion: 82 Resp: 1130650

Ion Ratio Lower Upper

82 100

128 41.0 40.6 61.0

54 68.4 38.1 57.1#

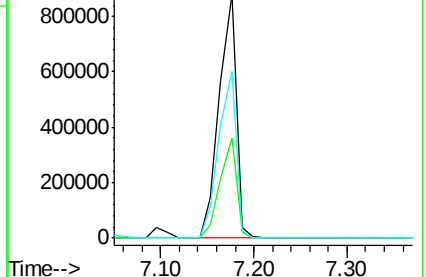
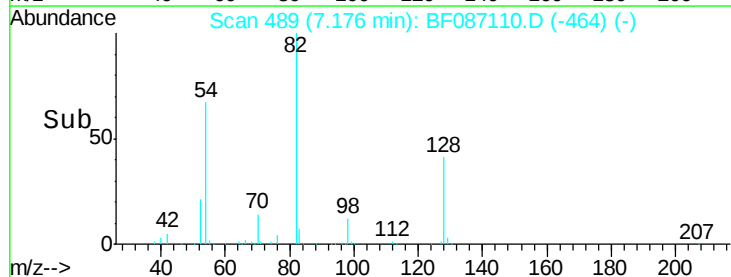


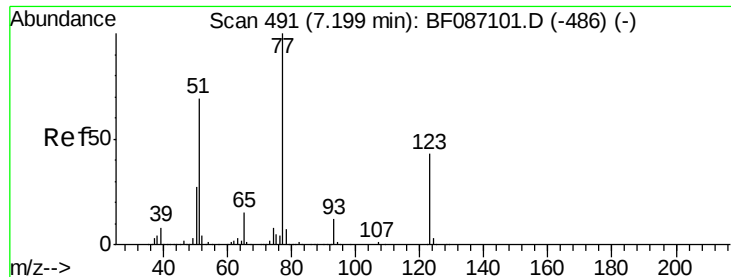
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

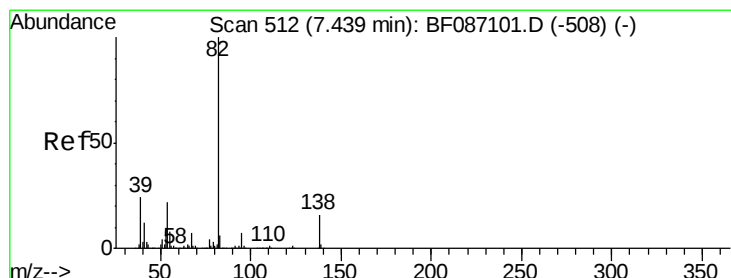
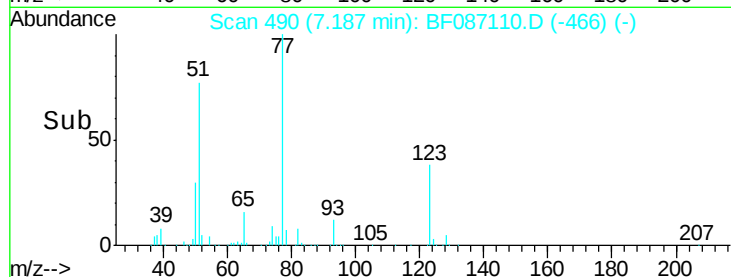
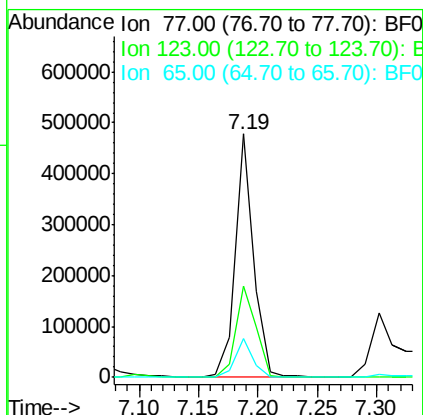
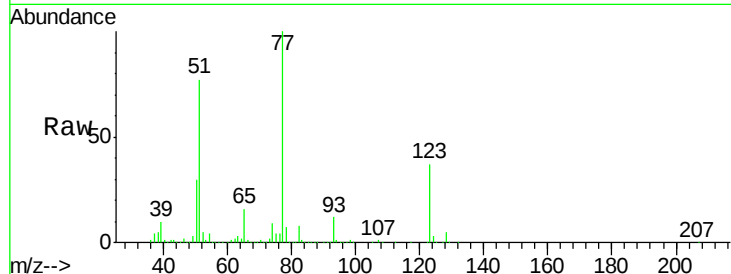




#24
 Nitrobenzene
 Concen: 37.60 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

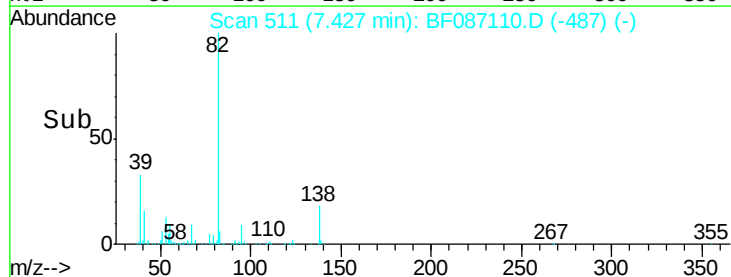
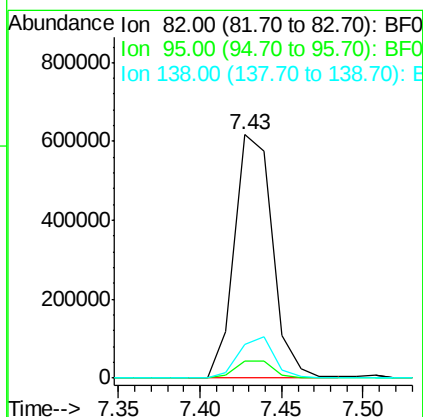
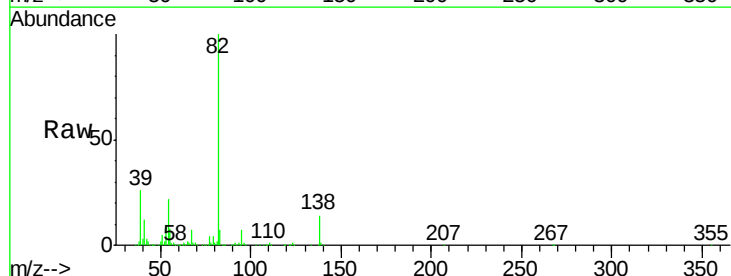
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

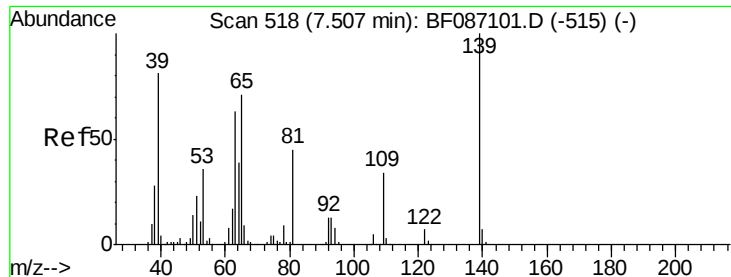
Tgt Ion: 77 Resp: 506476
 Ion Ratio Lower Upper
 77 100
 123 37.3 33.0 49.4
 65 15.7 10.8 16.2



#25
 Isophorone
 Concen: 43.92 ng
 RT: 7.43 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion: 82 Resp: 991916
 Ion Ratio Lower Upper
 82 100
 95 7.2 5.1 7.7
 138 14.1 12.4 18.6

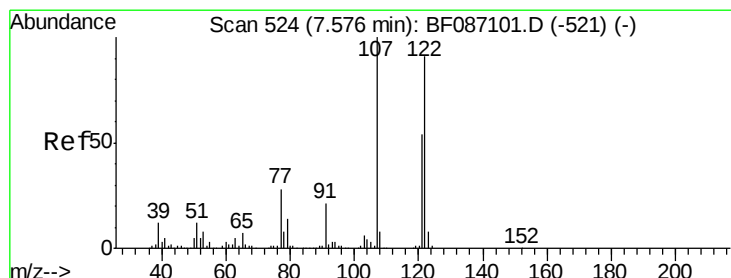
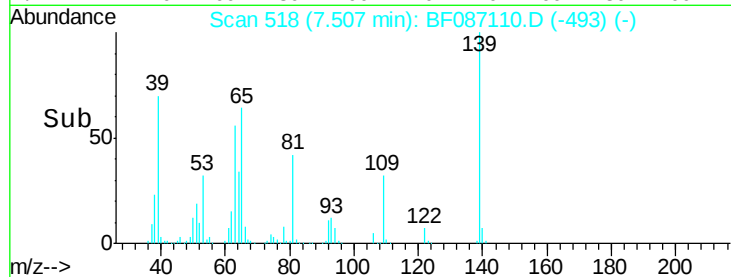
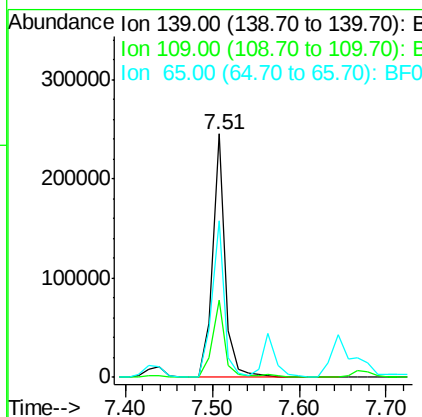
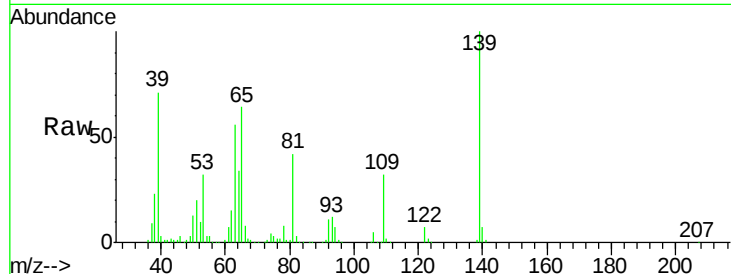




#26
 2-Nitrophenol
 Concen: 45.06 ng
 RT: 7.51 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

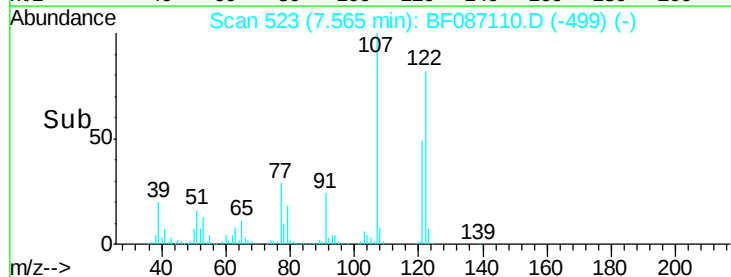
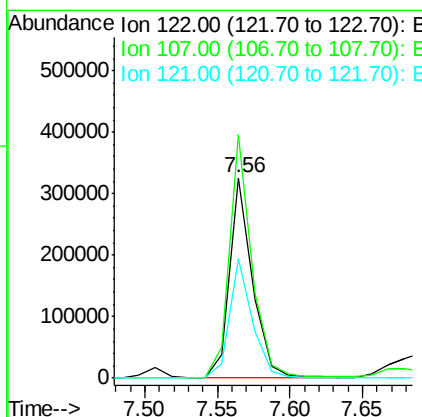
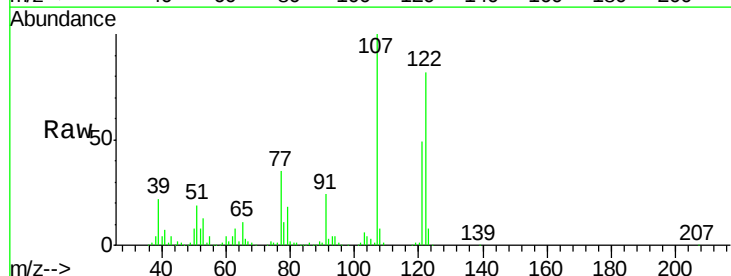
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

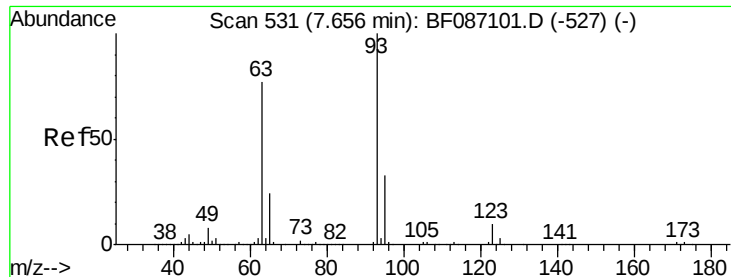
Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.0	19.5	29.3#
65	64.4	37.5	56.3#



#27
 2,4-Dimethylphenol
 Concen: 37.42 ng
 RT: 7.56 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion	Ratio	Lower	Upper
122	100		
107	121.6	82.0	123.0
121	59.4	46.1	69.1

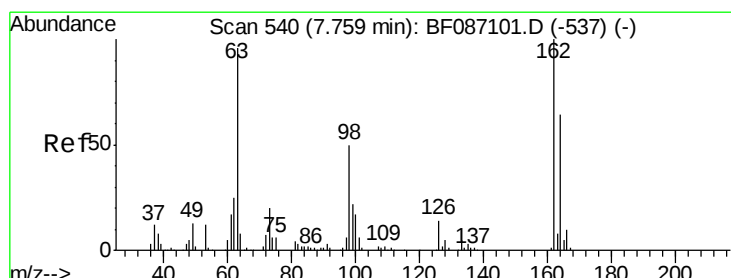
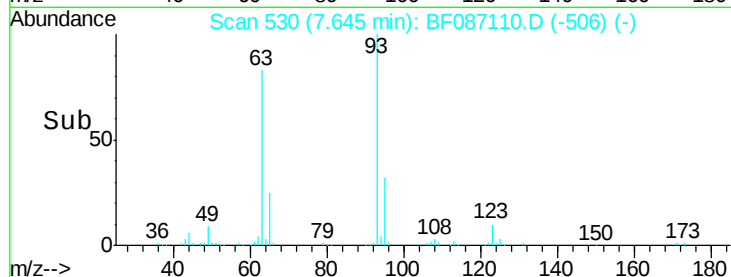
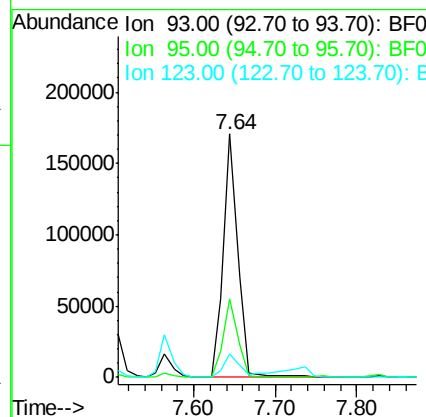
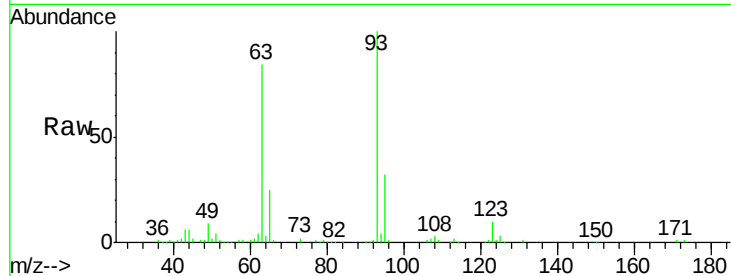




#28
bis(2-Chloroethoxy)methane
Concen: 17.04 ng
RT: 7.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

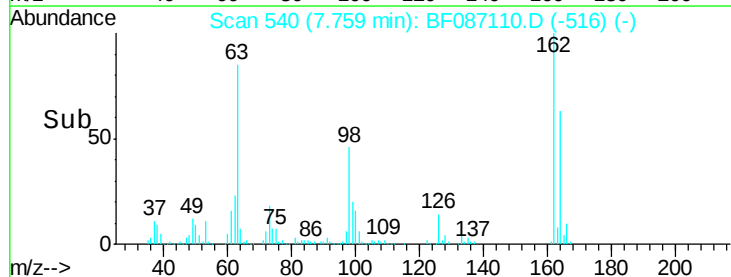
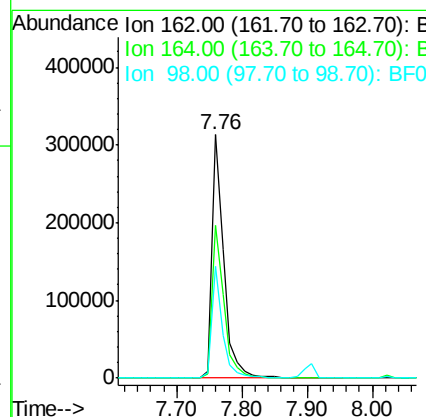
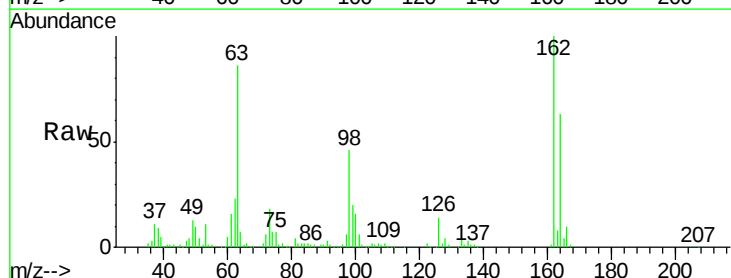
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

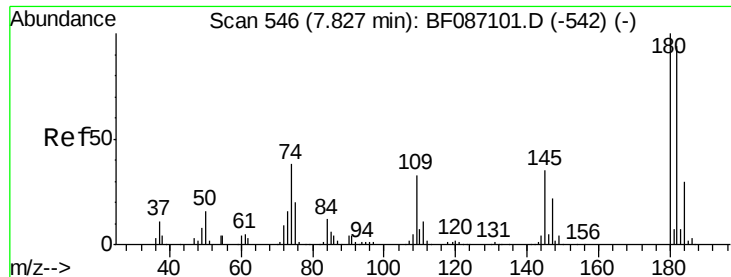
Tgt Ion: 93 Resp: 211273
Ion Ratio Lower Upper
93 100
95 32.4 26.0 39.0
123 9.9 9.5 14.3



#29
2,4-Dichlorophenol
Concen: 47.19 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion: 162 Resp: 395970
Ion Ratio Lower Upper
162 100
164 62.8 42.2 82.2
98 46.0 19.0 59.0

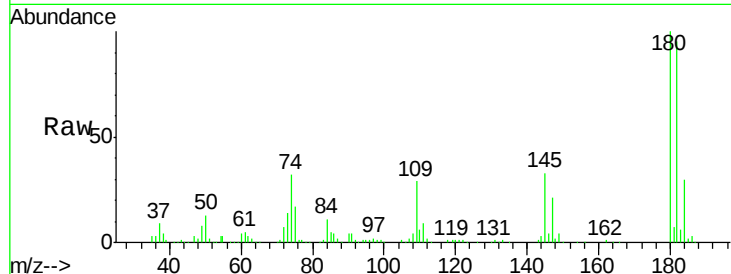




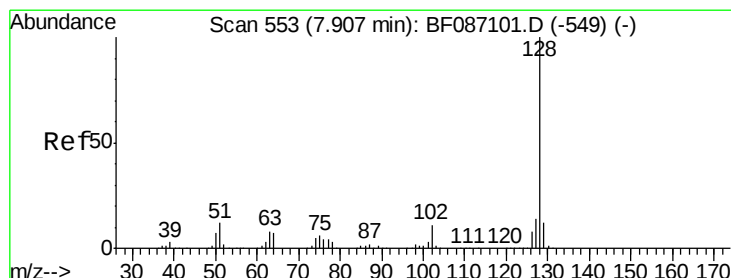
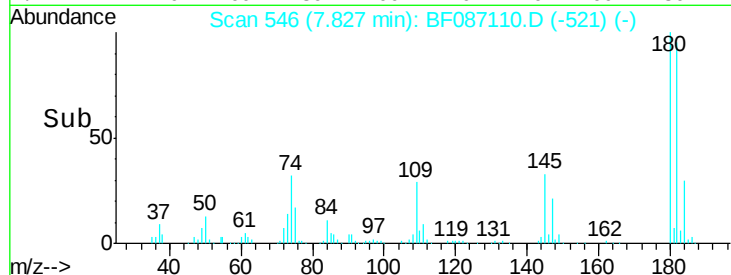
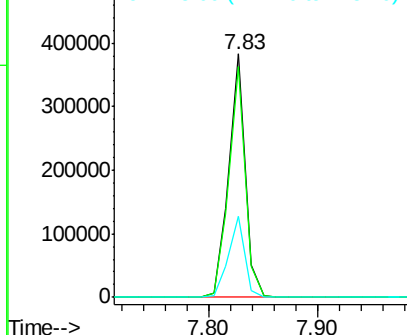
#30
 1,2,4-Trichlorobenzene
 Concen: 42.96 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

Tgt Ion:180 Resp: 400022
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.0 117.0
 145 33.2 24.2 36.2

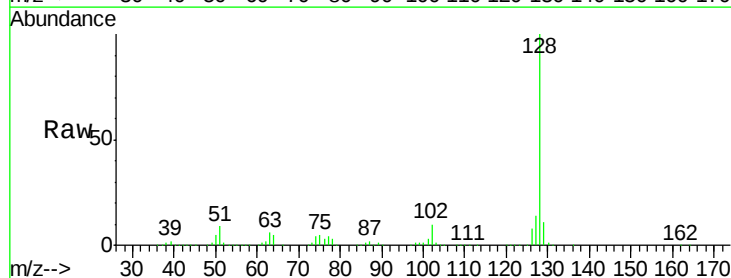


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

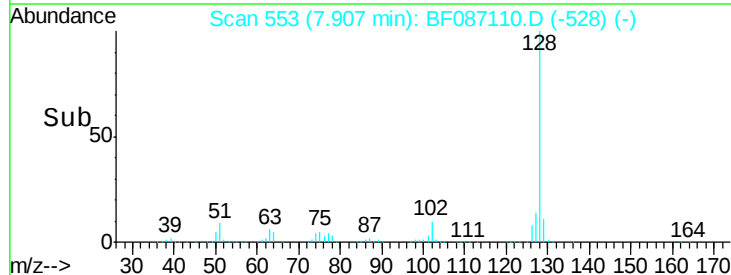
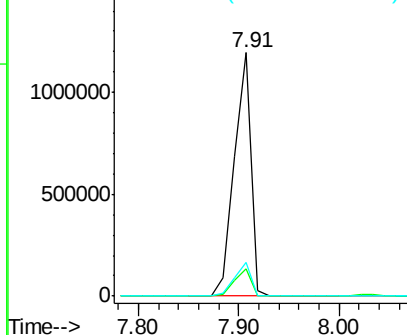


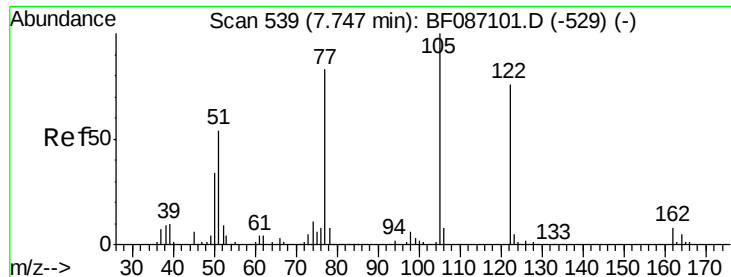
#31
 Naphthalene
 Concen: 45.99 ng
 RT: 7.91 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:128 Resp: 1381727
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 13.7 10.8 16.2



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: 47.37 ng

RT: 7.74 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

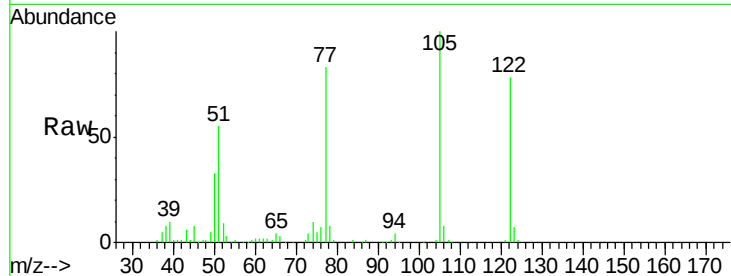
Tgt Ion:122 Resp: 268879

Ion Ratio Lower Upper

122 100

105 127.5 92.6 132.6

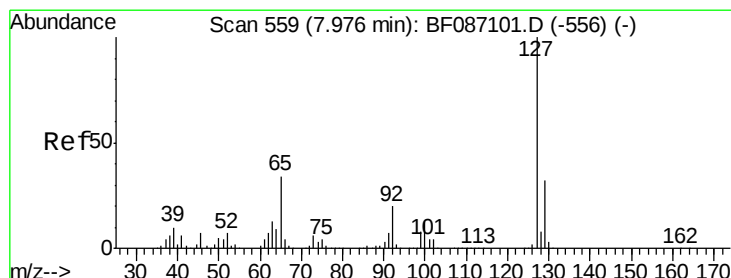
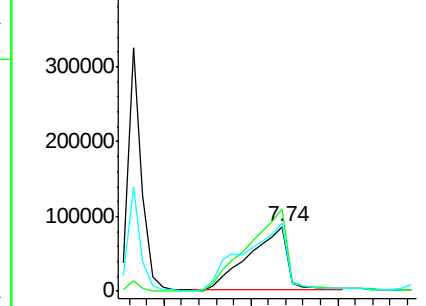
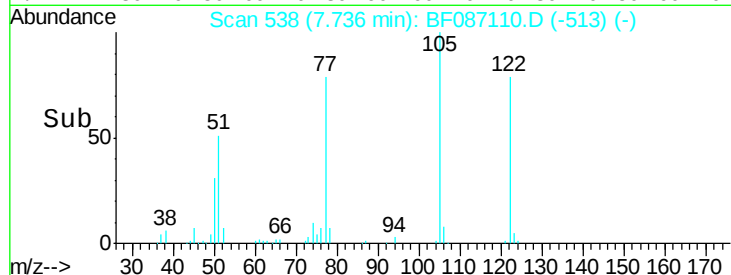
77 105.7 60.0 100.0#



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: 15.09 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:127 Resp: 188474

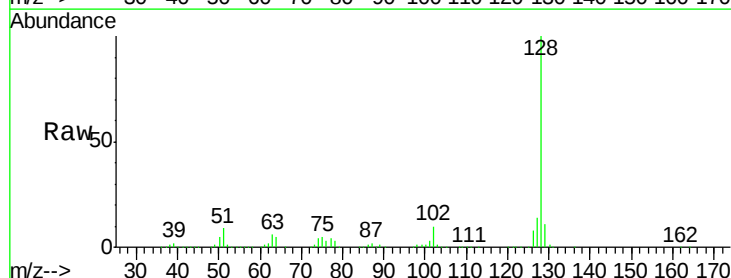
Ion Ratio Lower Upper

127 100

129 81.4 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

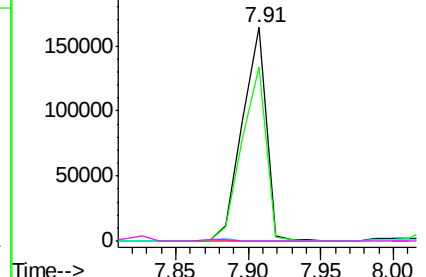
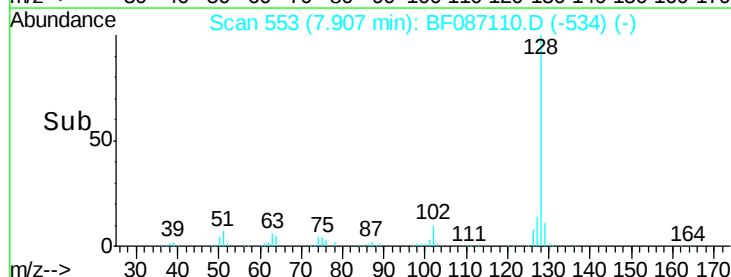


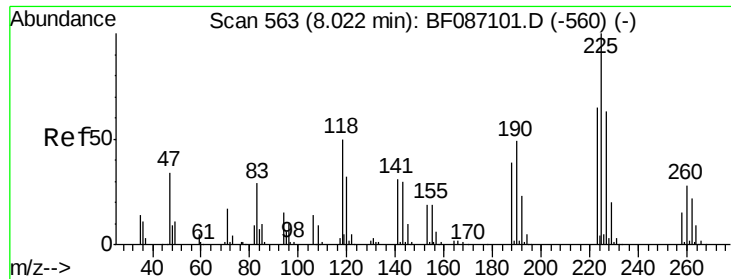
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

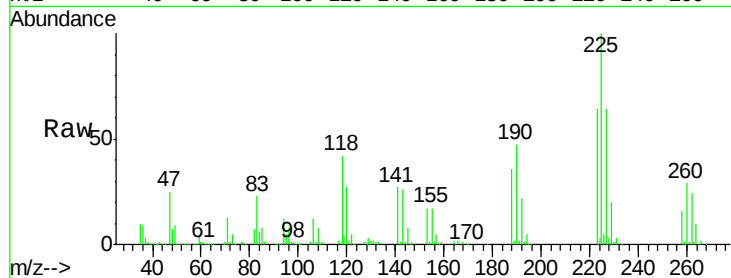




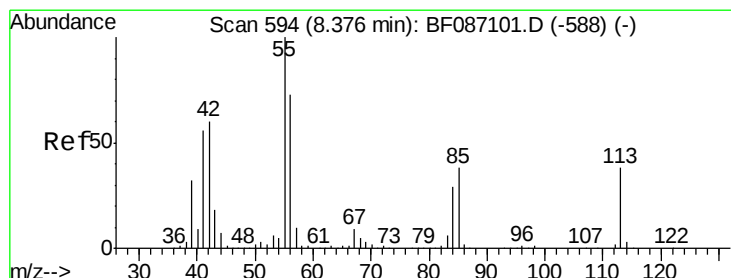
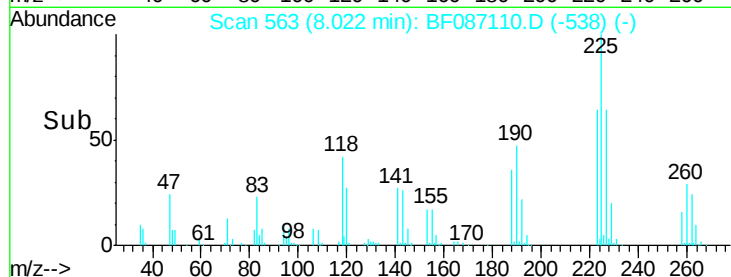
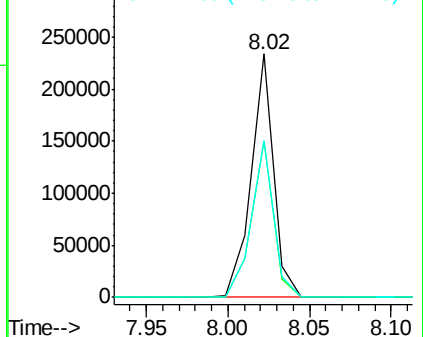
#34
Hexachlorobutadiene
Concen: 42.10 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

Tgt Ion: 225 Resp: 222446
Ion Ratio Lower Upper
225 100
223 64.2 51.5 77.3
227 64.4 52.2 78.2

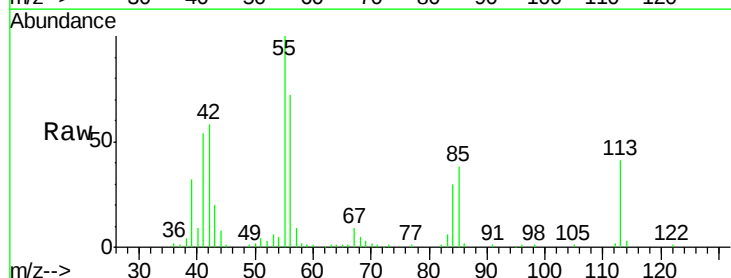


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

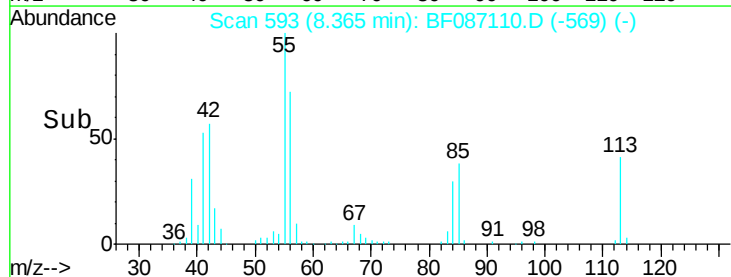
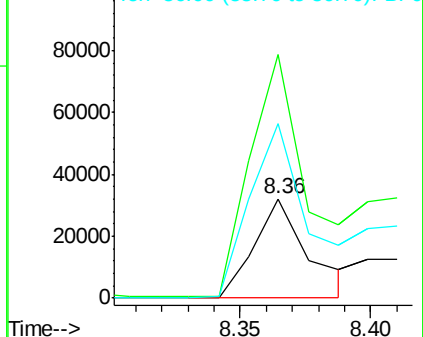


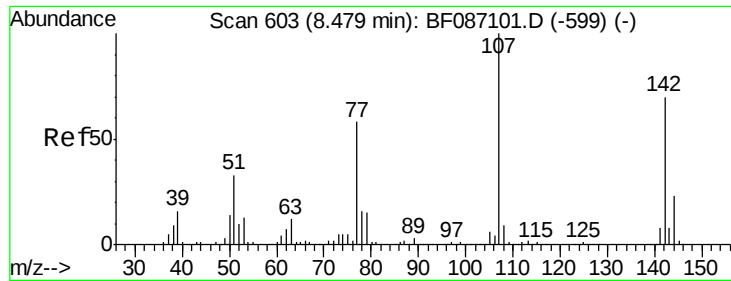
#35
Caprolactam
Concen: 16.37 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion: 113 Resp: 45752
Ion Ratio Lower Upper
113 100
55 244.9 162.0 202.0#
56 175.2 115.3 155.3#



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

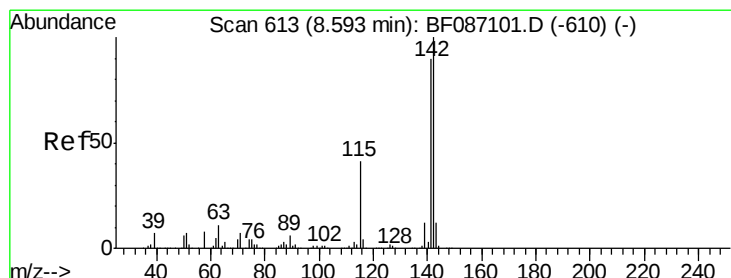
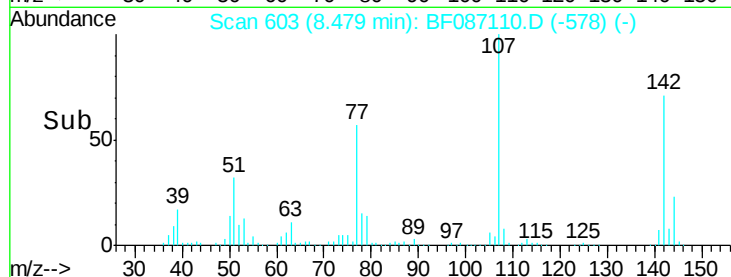
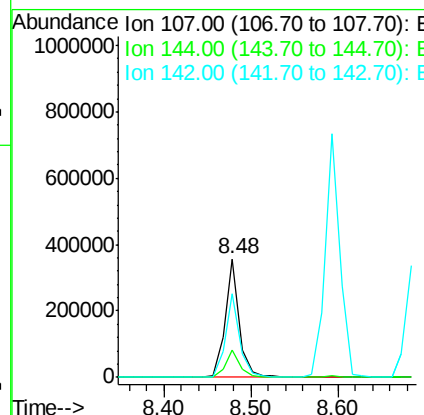
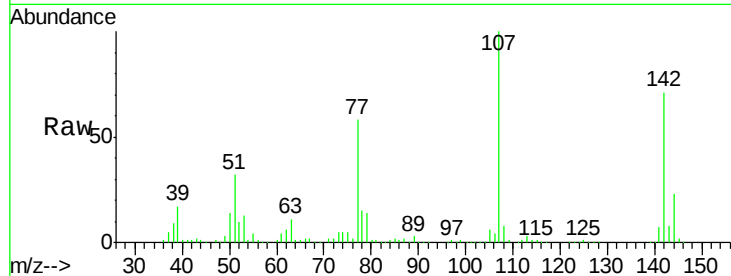




#36
 4-Chloro-3-methylphenol
 Concen: 40.95 ng
 RT: 8.48 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

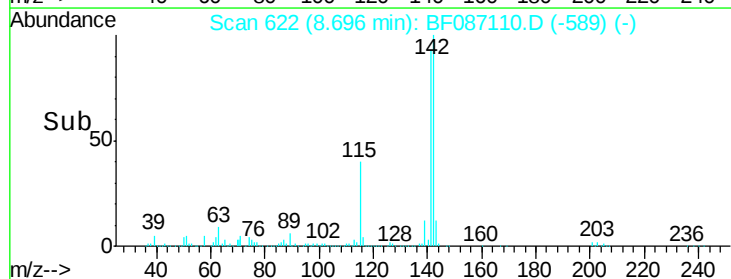
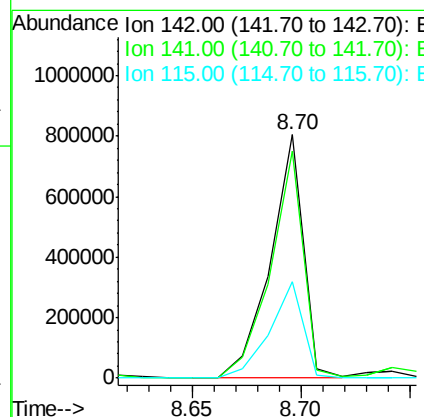
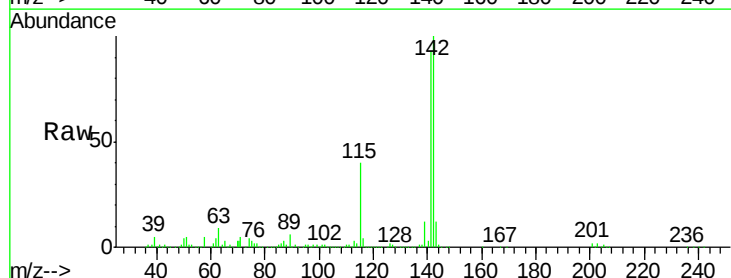
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

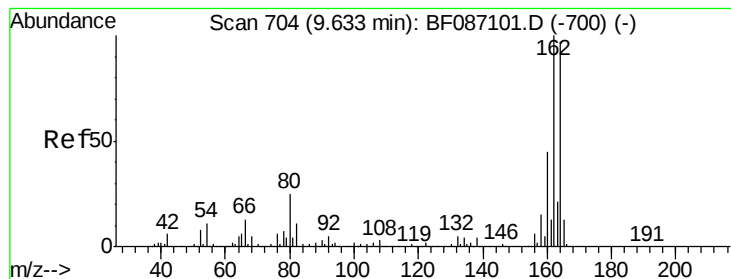
Tgt Ion:107 Resp: 414482
 Ion Ratio Lower Upper
 107 100
 144 22.6 20.7 31.1
 142 71.1 63.2 94.8



#37
 2-Methylnaphthalene
 Concen: 44.17 ng
 RT: 8.70 min Scan# 622
 Delta R.T. 0.08 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:142 Resp: 848815
 Ion Ratio Lower Upper
 142 100
 141 93.4 71.0 106.6
 115 39.5 26.6 39.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

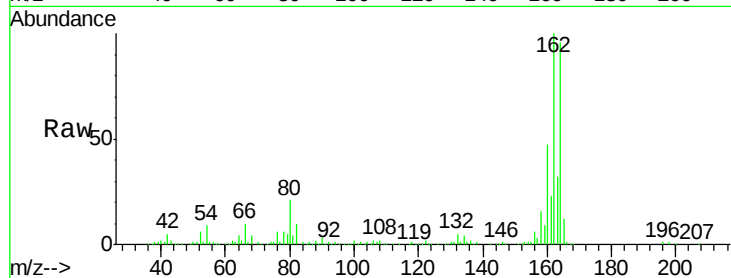
Tgt Ion:164 Resp: 247021

Ion Ratio Lower Upper

164 100

162 104.0 82.8 124.2

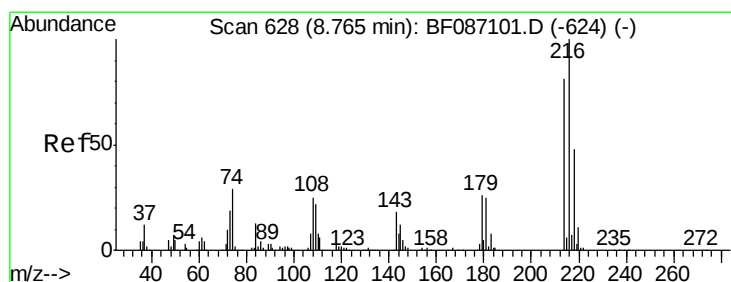
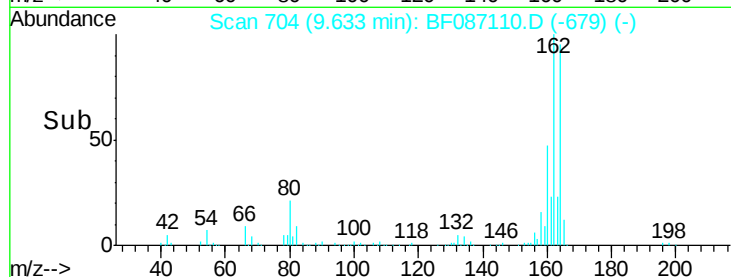
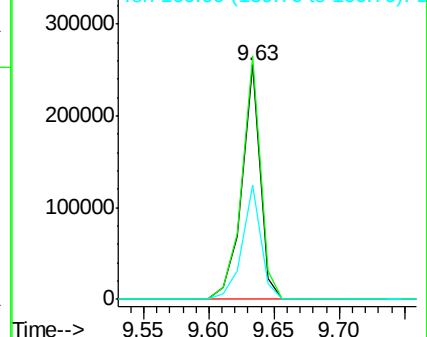
160 48.6 36.9 55.3



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: 52.78 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:216 Resp: 380776

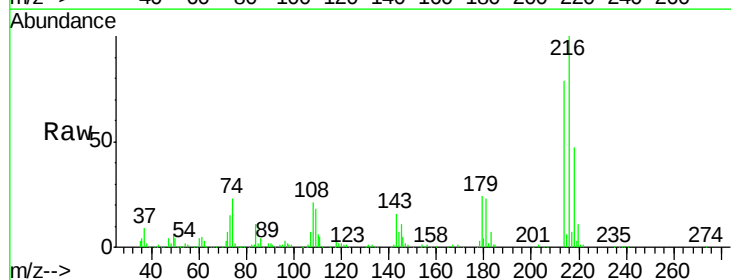
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 24.3 18.2 27.4

108 26.6 17.5 26.3#

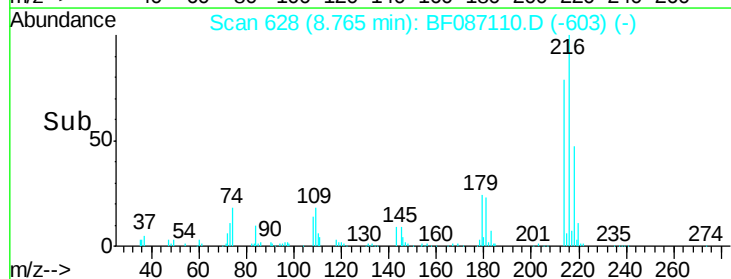
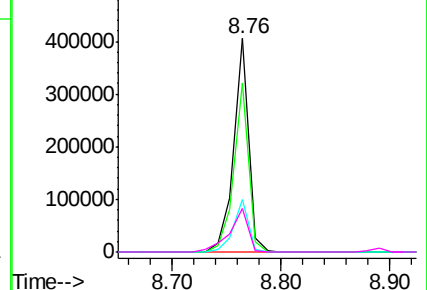


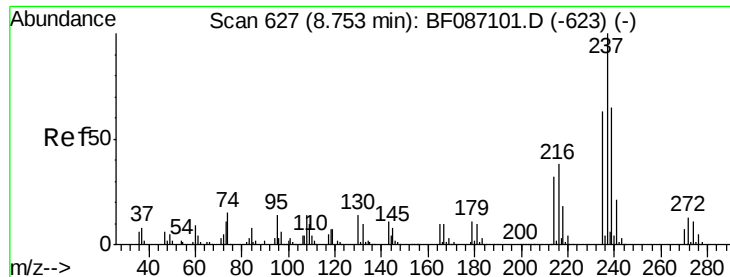
Abundance Ion 216.00 (215.70 to 216.70): E

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

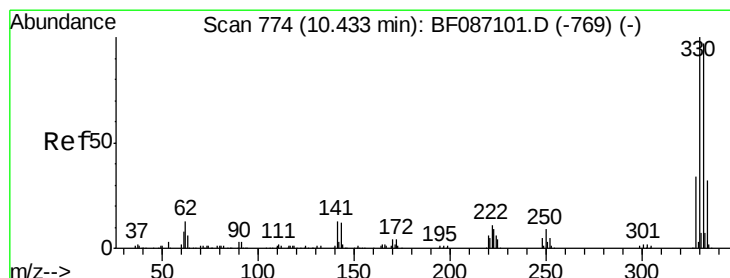
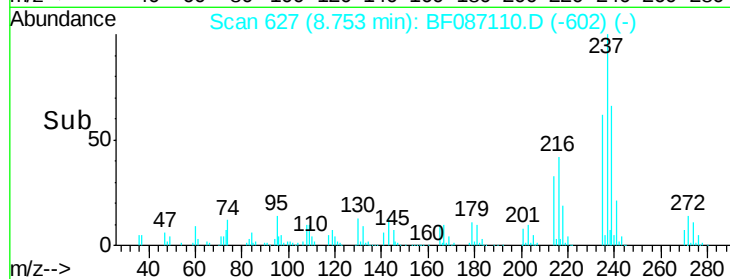
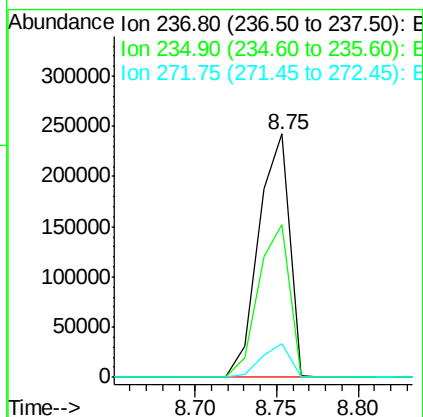
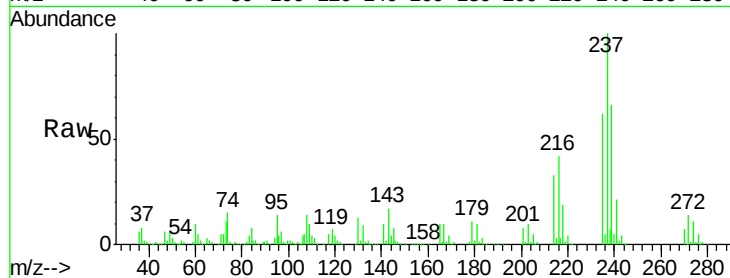




#40
Hexachlorocyclopentadiene
Concen: 110.59 ng
RT: 8.75 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

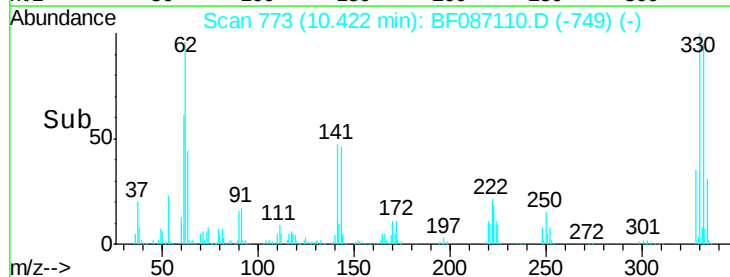
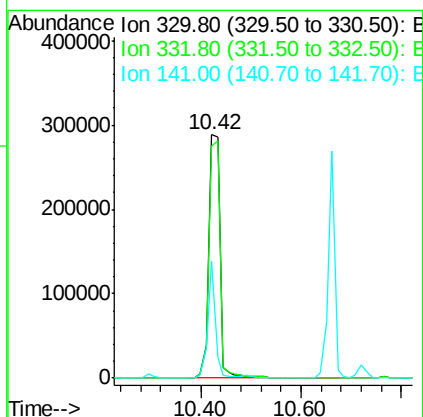
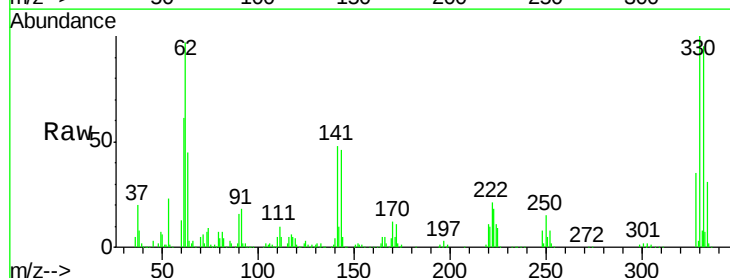
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

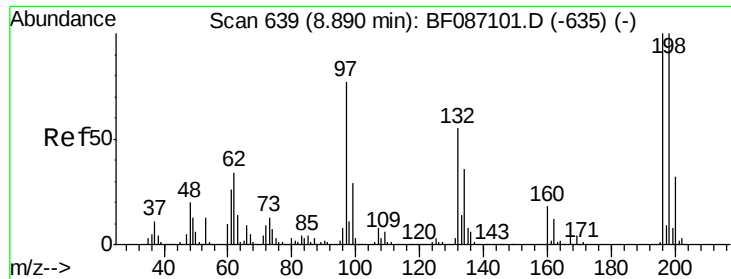
Tgt Ion: 237 Resp: 317384
Ion Ratio Lower Upper
237 100
235 62.5 47.2 87.2
272 13.8 0.0 31.1



#41
2,4,6-Tribromophenol
Concen: 165.99 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion: 330 Resp: 453096
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.4
141 31.9 31.2 46.8

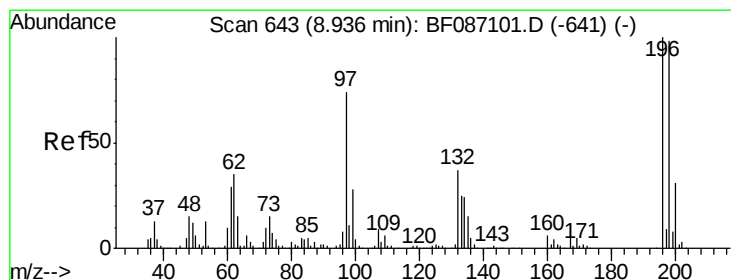
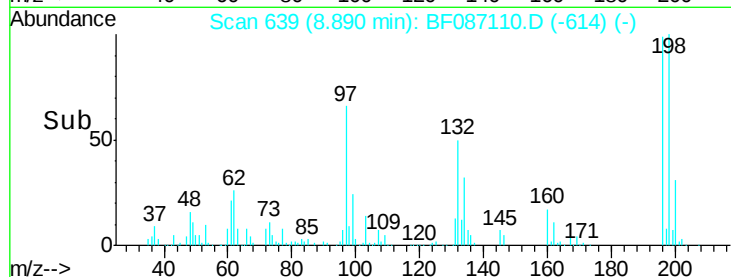
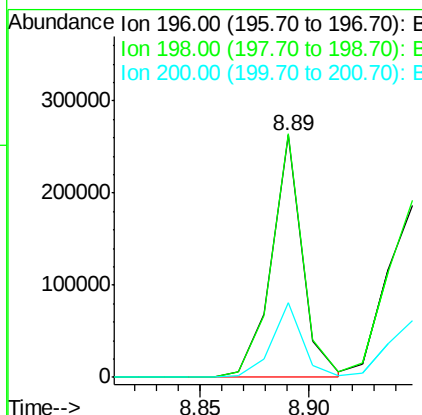
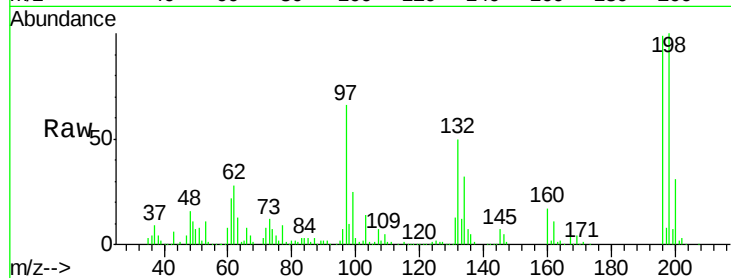




#42
 2,4,6-Trichlorophenol
 Concen: 56.13 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

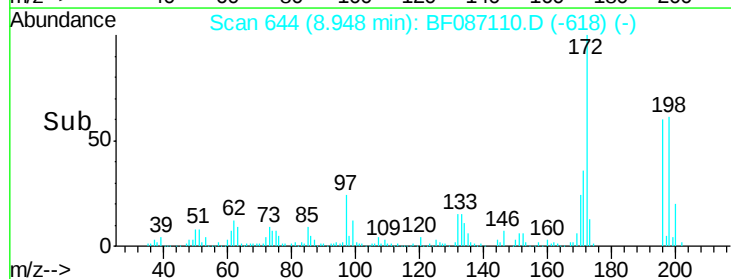
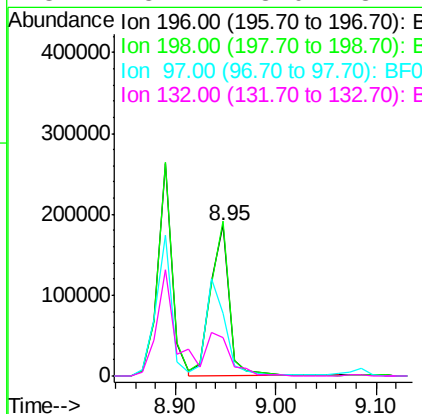
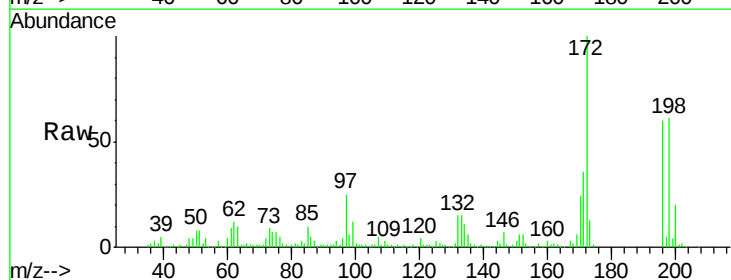
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

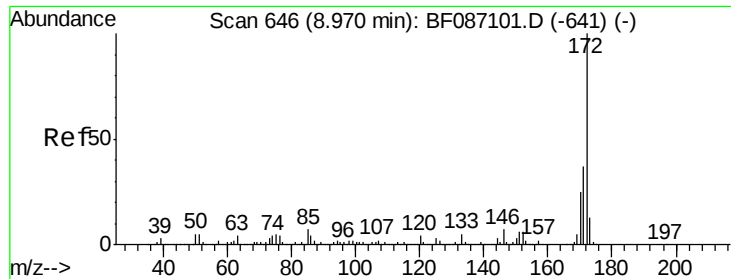
Tgt Ion:196 Resp: 262630
 Ion Ratio Lower Upper
 196 100
 198 100.6 74.7 112.1
 200 31.1 23.8 35.6



#43
 2,4,5-Trichlorophenol
 Concen: 50.00 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:196 Resp: 243052
 Ion Ratio Lower Upper
 196 100
 198 102.6 77.5 116.3
 97 41.4 34.8 52.2
 132 25.4 23.0 34.4

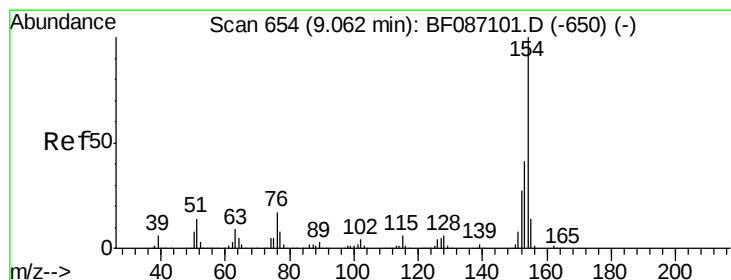
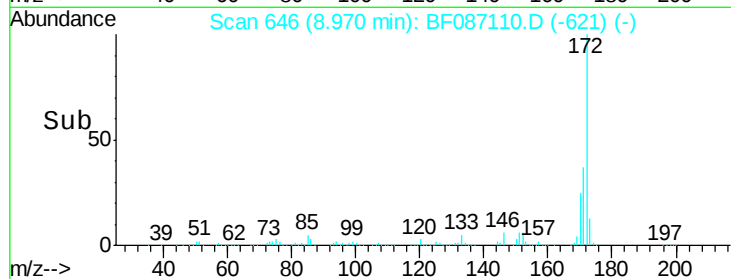
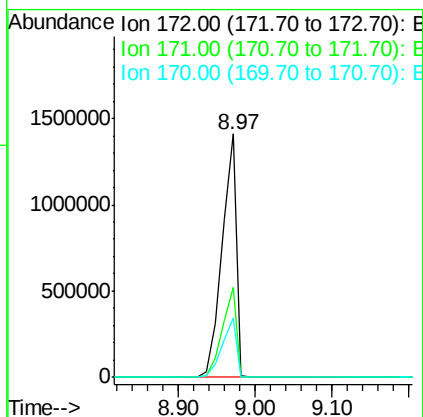
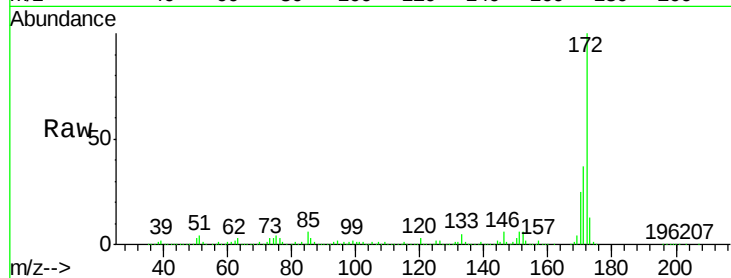




#44
 2-Fluorobiphenyl
 Concen: 123.77 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

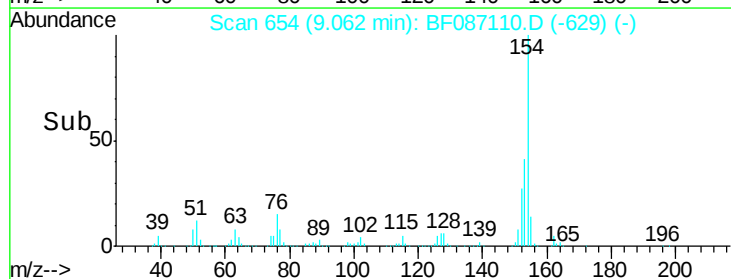
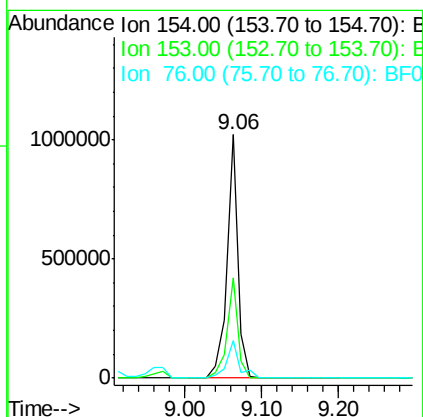
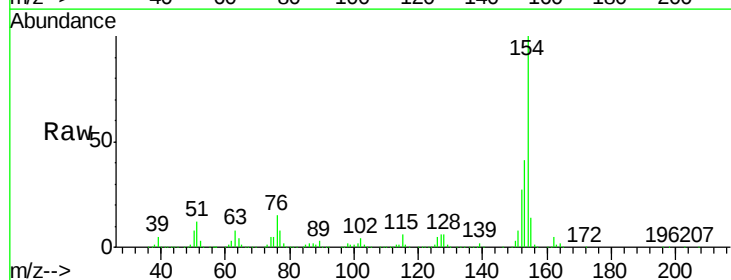
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

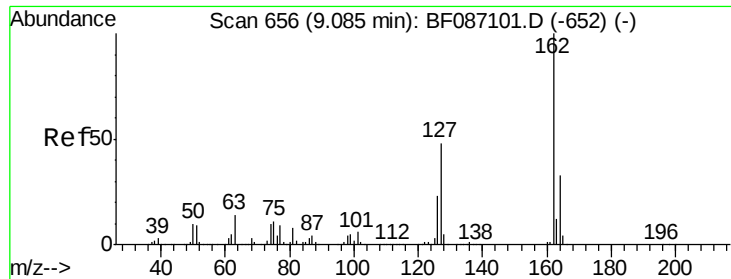
Tgt Ion:172 Resp: 1846020
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 24.5 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 50.57 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:154 Resp: 1035709
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.3 60.3
 76 15.5 0.0 30.2

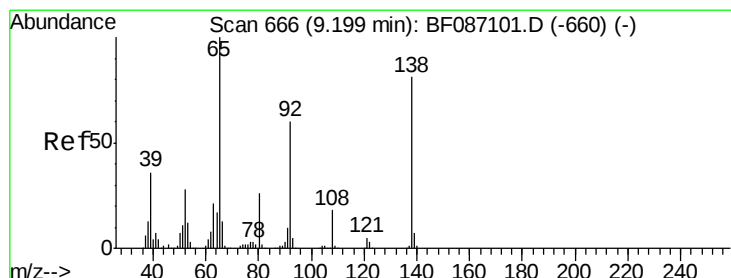
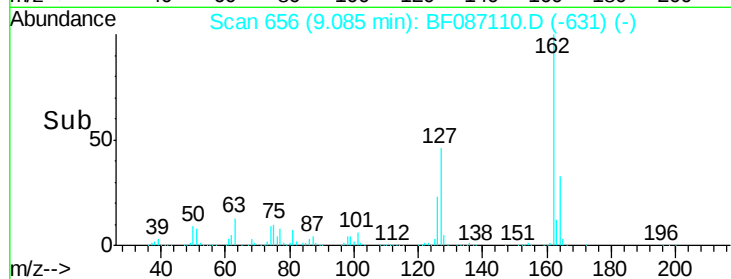
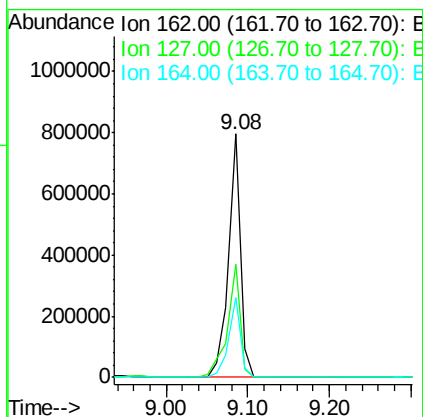
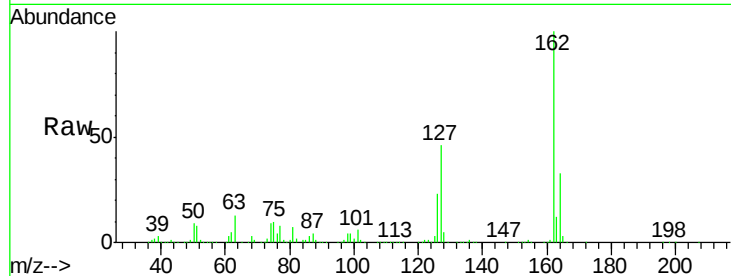




#46
2-Chloronaphthalene
Concen: 51.27 ng
RT: 9.08 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

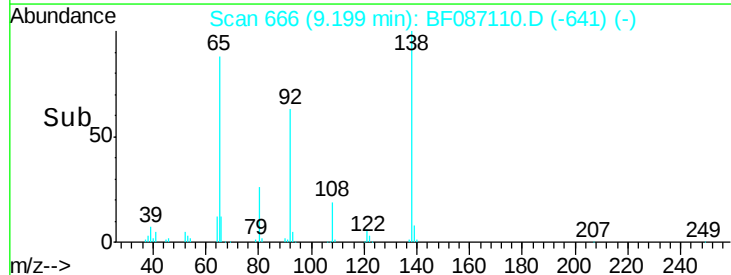
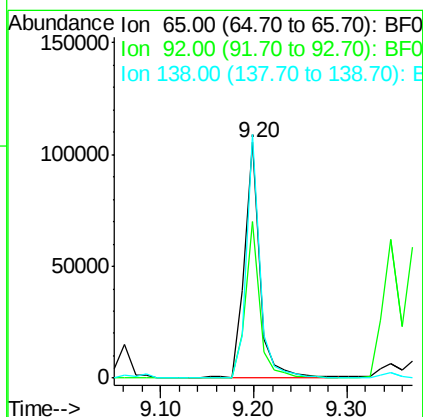
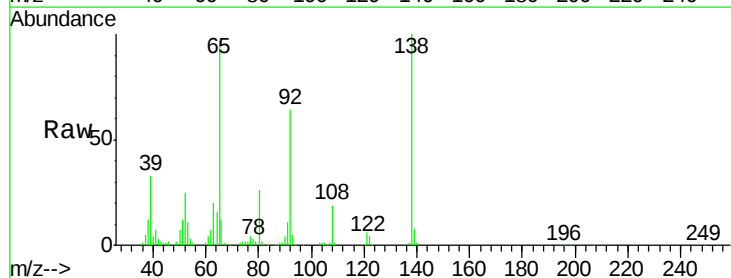
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

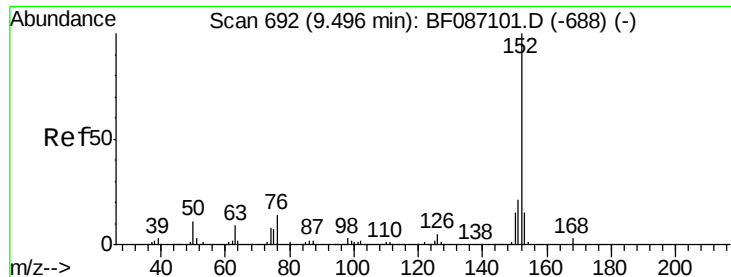
Tgt Ion	Ratio	Lower	Upper
162	100		
127	46.3	31.8	47.6
164	32.7	27.0	40.6



#47
2-Nitroaniline
Concen: 20.23 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.3	57.4	86.2
138	103.4	90.1	135.1





#48

Acenaphthylene

Concen: 29.74 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

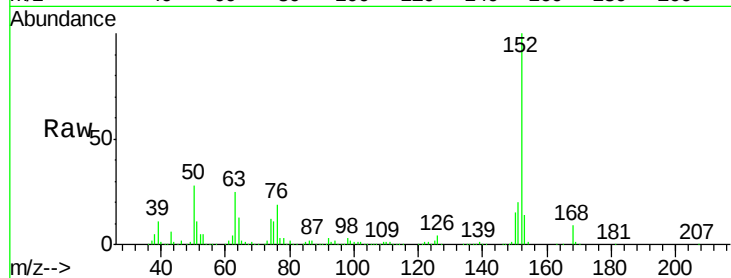
Tgt Ion:152 Resp: 714167

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

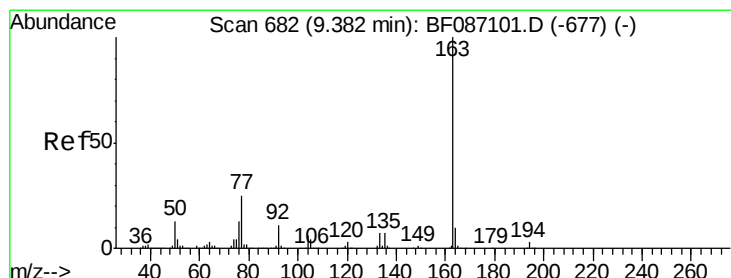
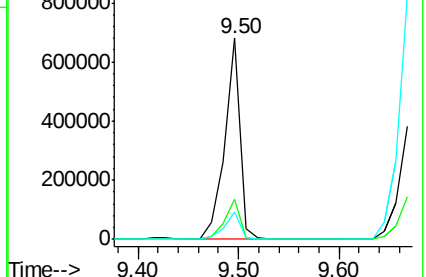
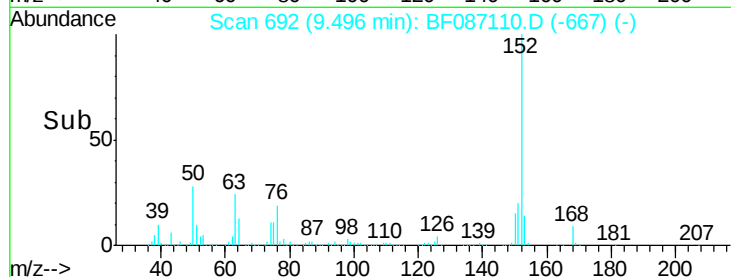
153 13.8 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 58.36 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

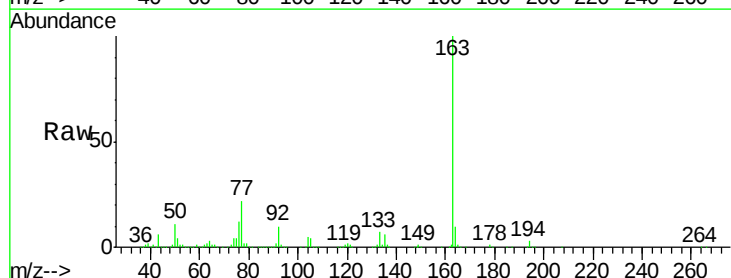
Tgt Ion:163 Resp: 1099818

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

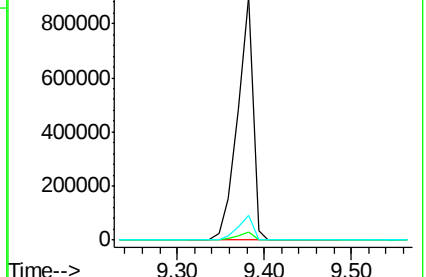
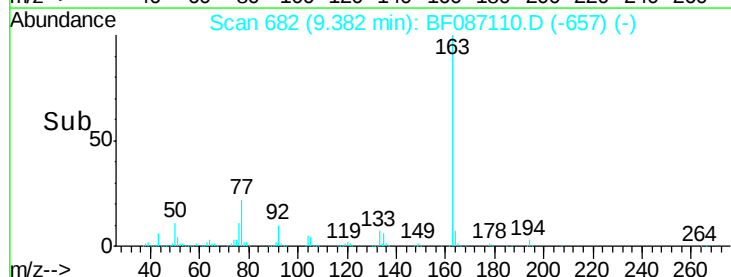
164 10.4 8.2 12.4

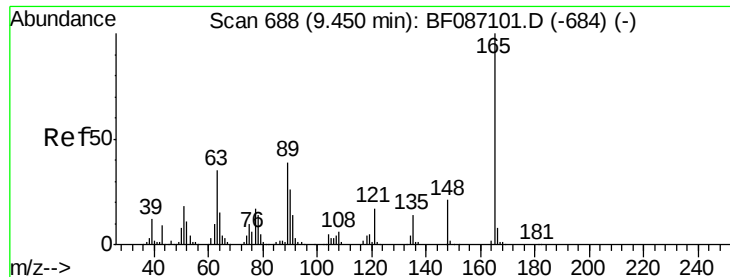


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

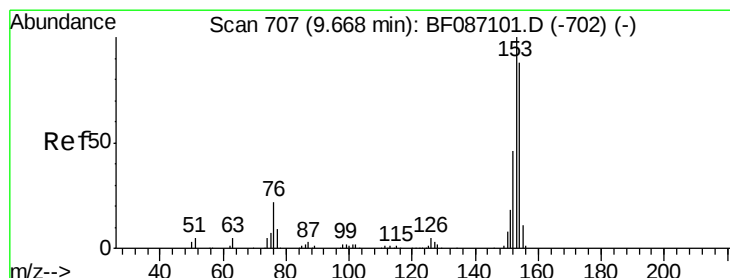
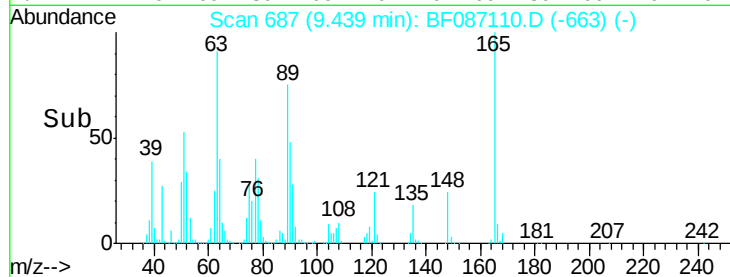
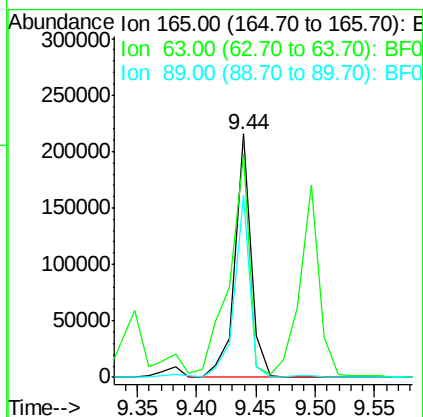
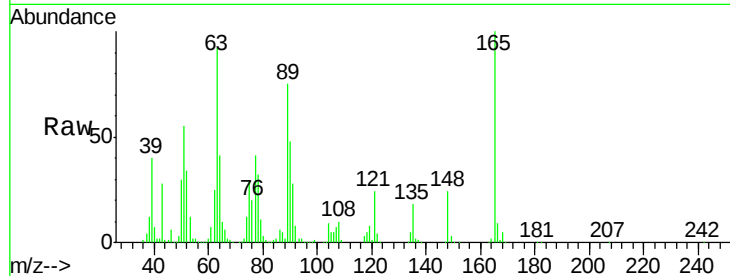




#50
 2,6-Dinitrotoluene
 Concen: 50.22 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

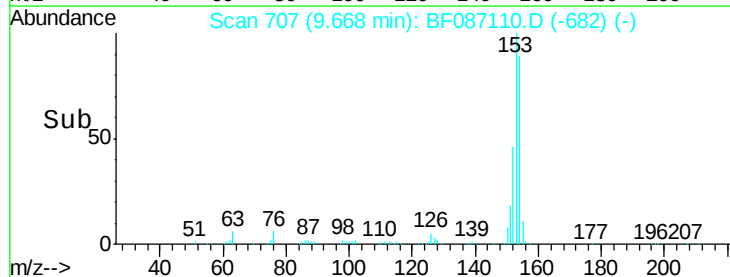
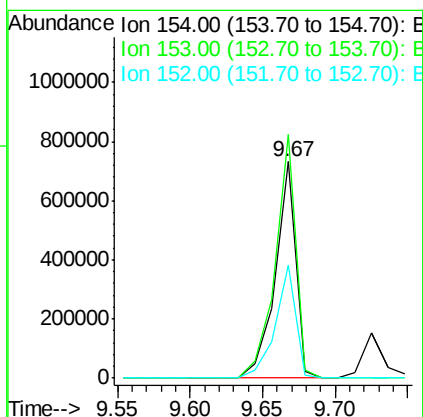
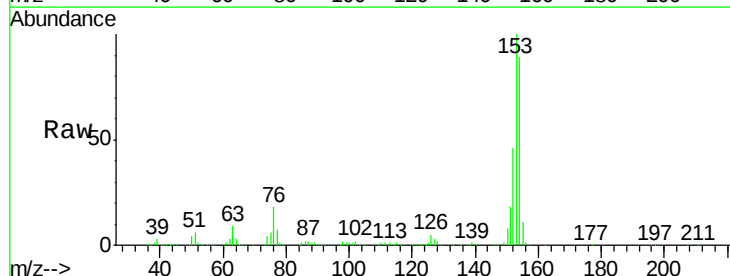
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

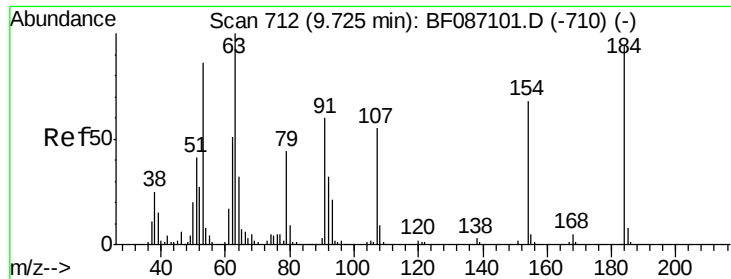
Tgt Ion:165 Resp: 205468
 Ion Ratio Lower Upper
 165 100
 63 91.7 51.8 77.8#
 89 75.0 50.7 76.1



#51
 Acenaphthene
 Concen: 47.67 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:154 Resp: 715137
 Ion Ratio Lower Upper
 154 100
 153 112.7 89.8 134.6
 152 52.3 43.4 65.0

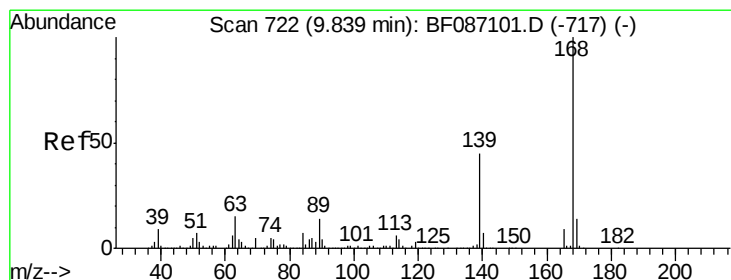
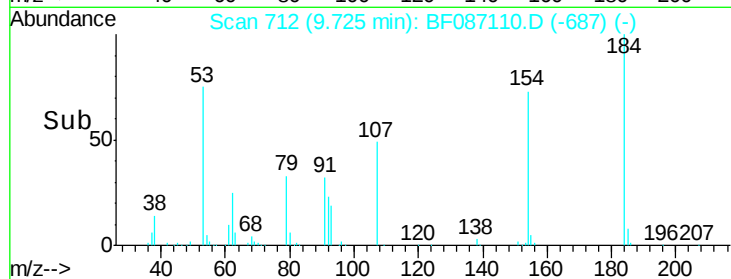
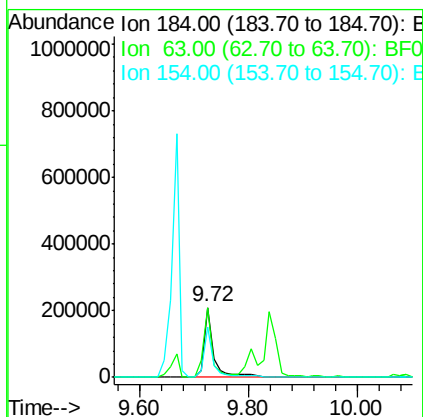
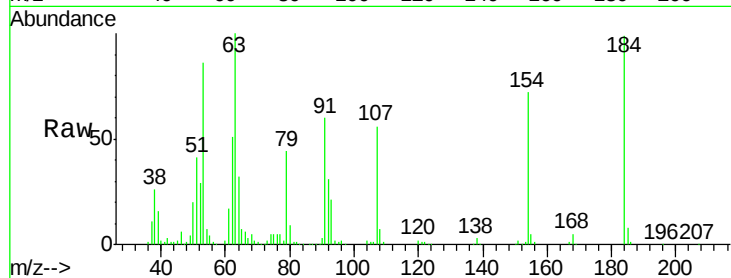




#53
2,4-Dinitrophenol
Concen: 107.01 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

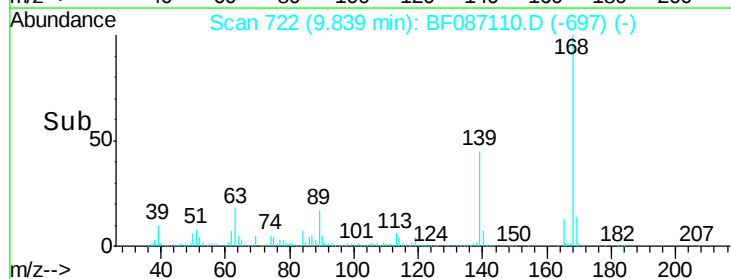
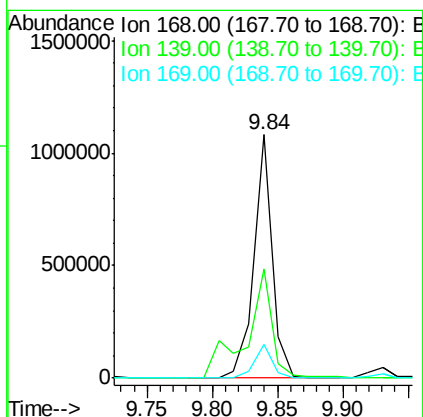
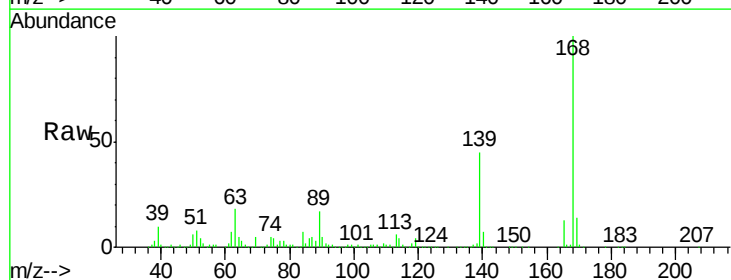
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

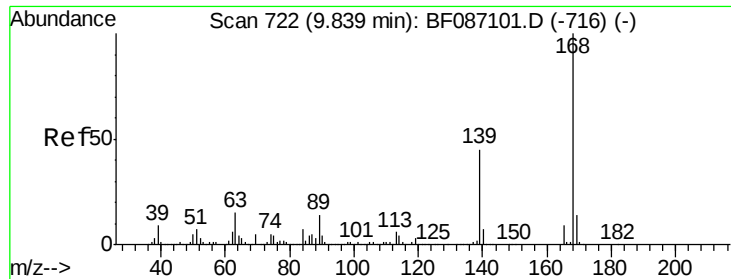
Tgt Ion:184 Resp: 254876
Ion Ratio Lower Upper
184 100
63 100.8 55.8 83.8#
154 72.5 62.4 93.6



#54
Dibenzofuran
Concen: 54.57 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion:168 Resp: 1058591
Ion Ratio Lower Upper
168 100
139 45.0 31.4 47.0
169 14.0 10.7 16.1





#55

4-Nitrophenol

Concen: 140.78 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

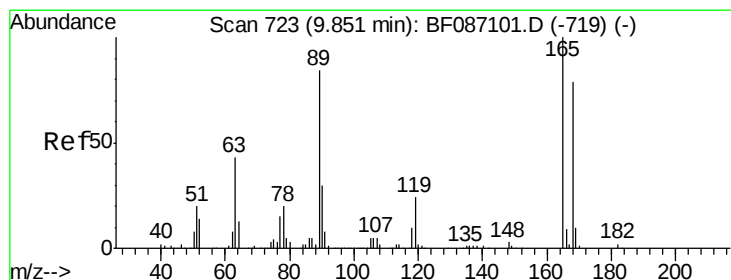
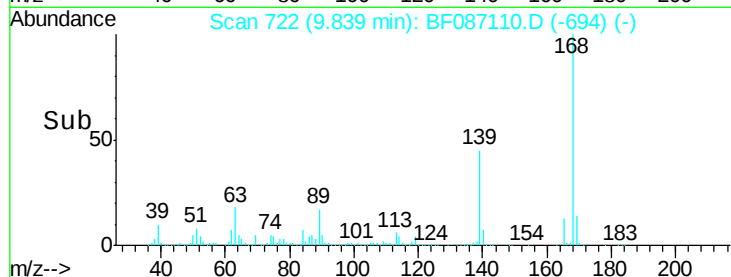
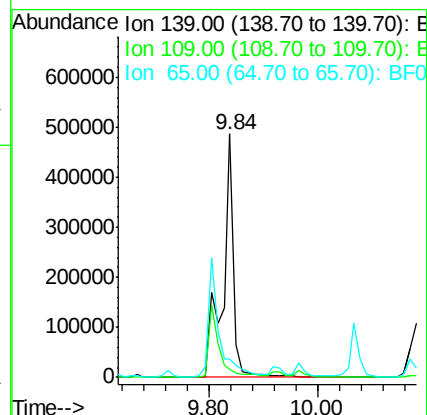
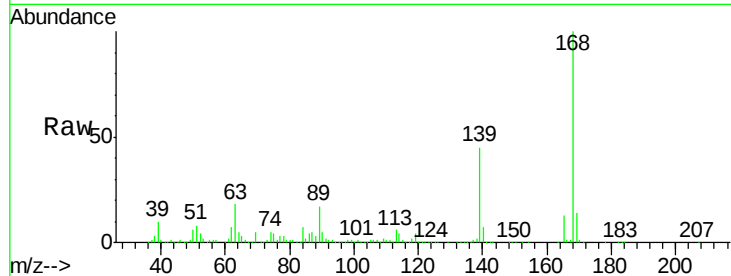
Tgt Ion:139 Resp: 708045

Ion Ratio Lower Upper

139 100

109 3.4 36.9 76.9#

65 7.5 64.0 104.0#



#56

2,4-Dinitrotoluene

Concen: 60.99 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:165 Resp: 319630

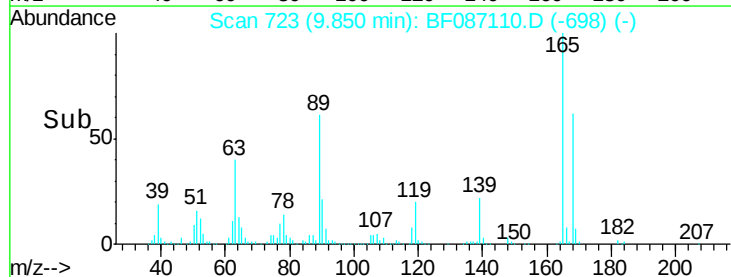
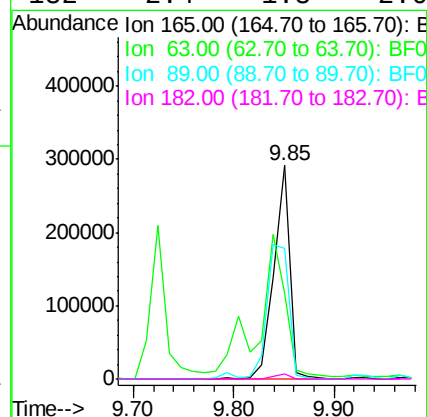
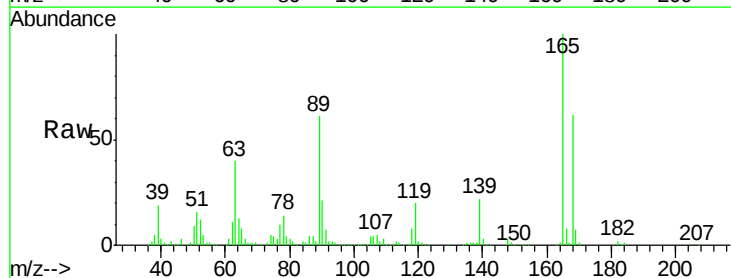
Ion Ratio Lower Upper

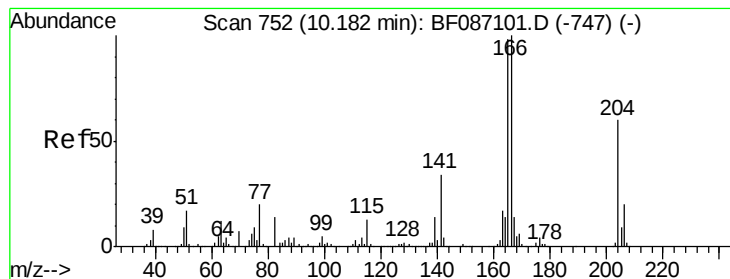
165 100

63 40.4 44.3 66.5#

89 61.3 70.0 105.0#

182 2.4 1.8 2.6





#57

Fluorene

Concen: 56.29 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

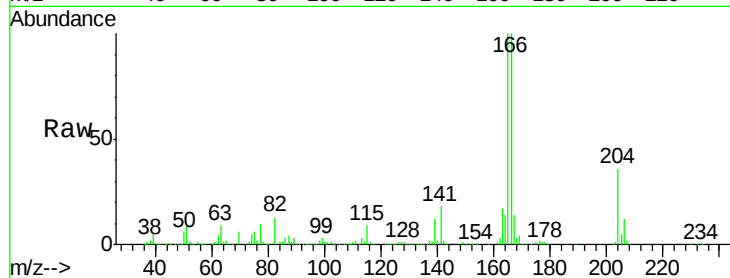
Tgt Ion:166 Resp: 877217

Ion Ratio Lower Upper

166 100

165 99.6 79.0 118.6

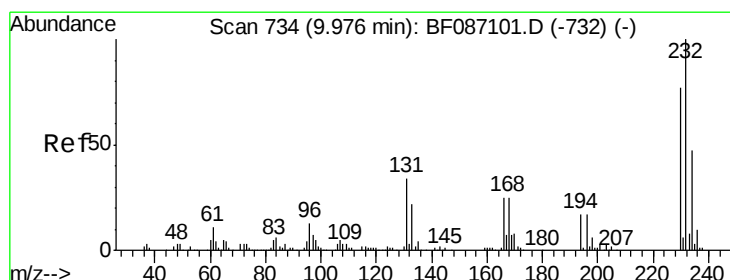
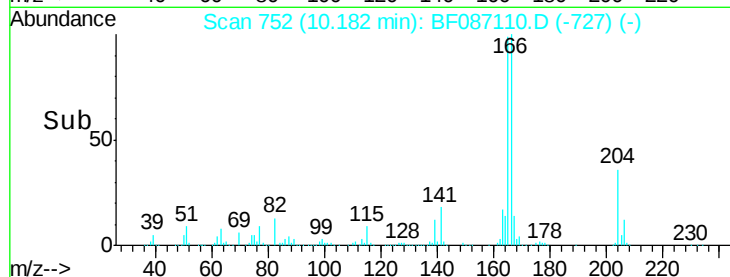
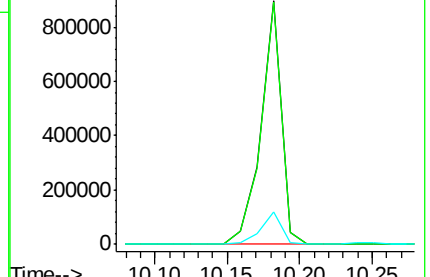
167 13.6 10.6 15.8



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: 58.74 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion:232 Resp: 222387

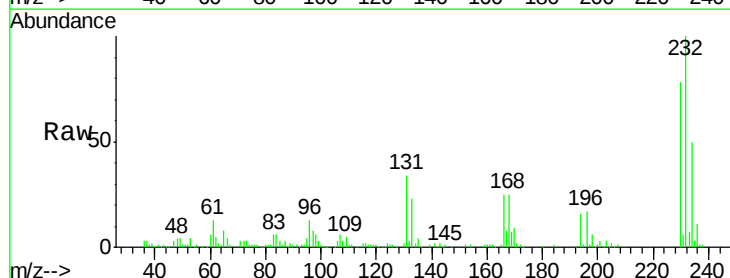
Ion Ratio Lower Upper

232 100

131 54.2 41.9 62.9

130 2.6 2.2 3.4

166 30.1 26.8 40.2

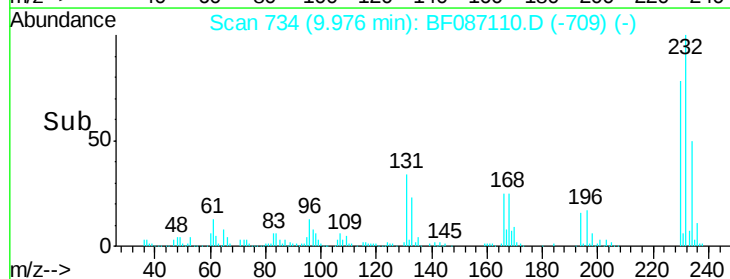
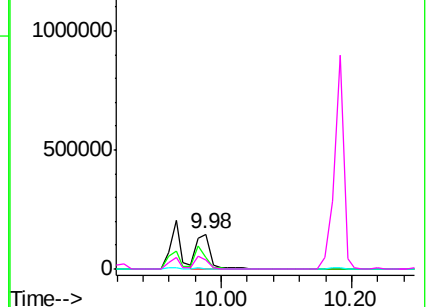


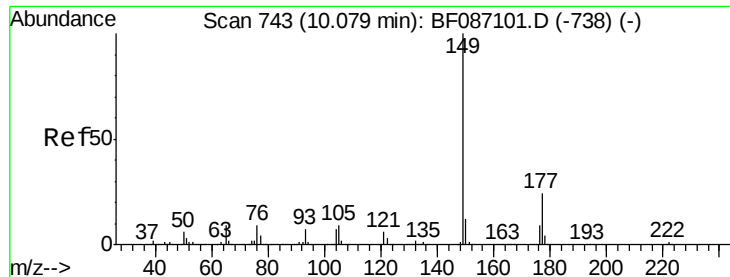
Abundance Ion 232.00 (231.70 to 232.70): E

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

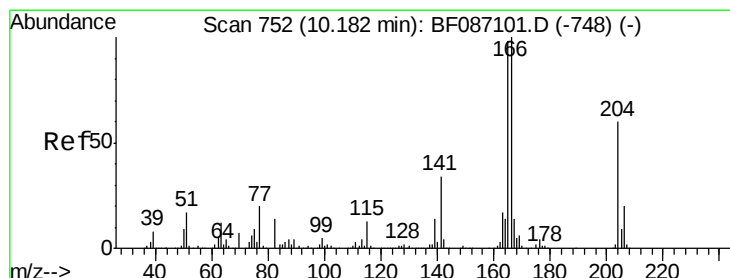
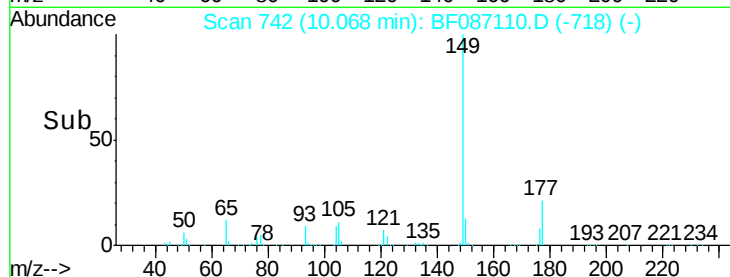
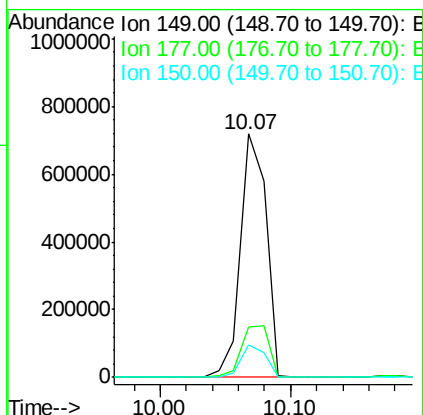
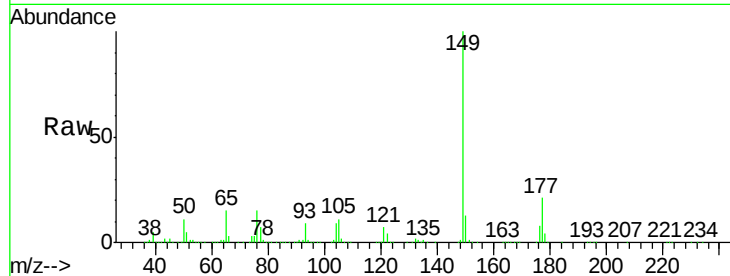




#59
Diethylphthalate
Concen: 54.73 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

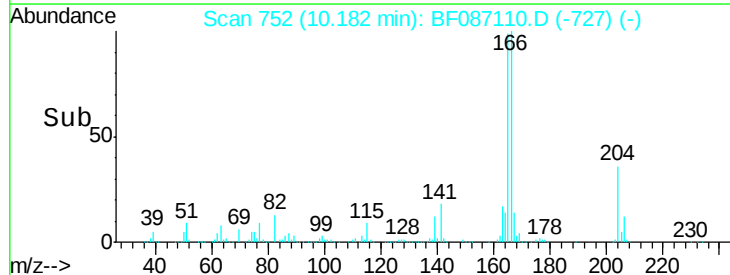
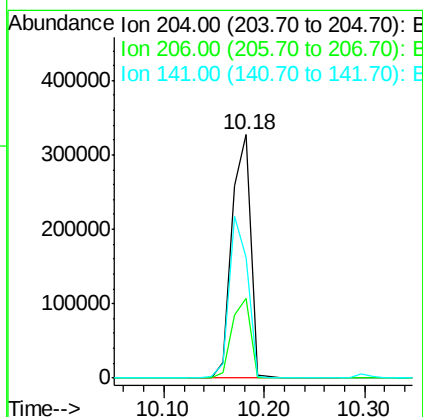
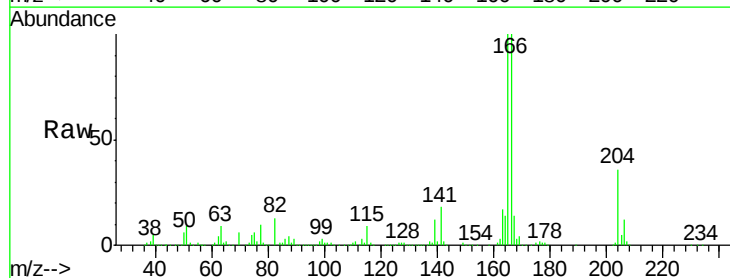
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

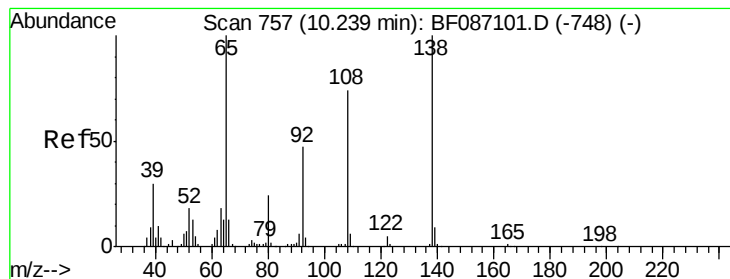
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.6	24.8
150	13.2	10.0	15.0



#60
4-Chlorophenyl-phenylether
Concen: 57.24 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.4	38.0
141	49.6	61.6	92.4#





#61

4-Nitroaniline

Concen: 10.62 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

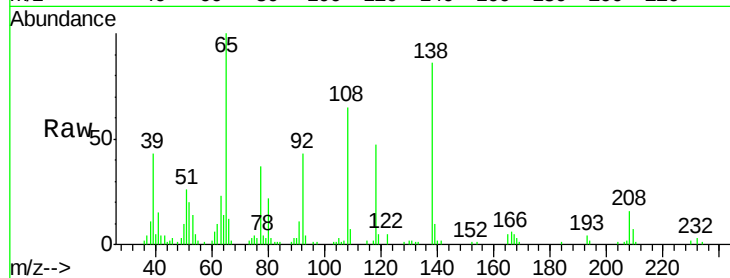
Tgt Ion:138 Resp: 46460

Ion Ratio Lower Upper

138 100

92 50.3 24.7 64.7

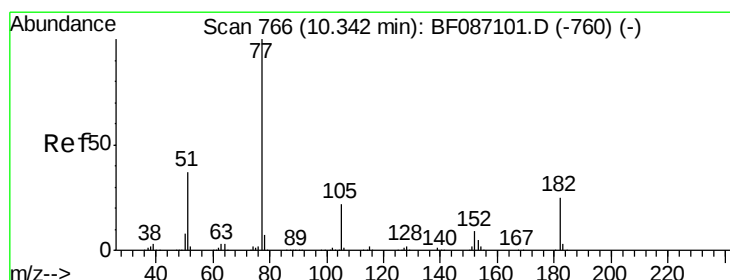
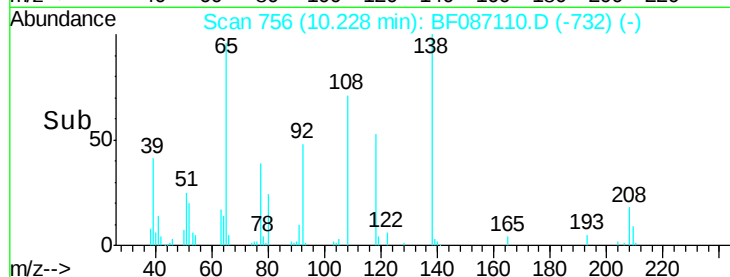
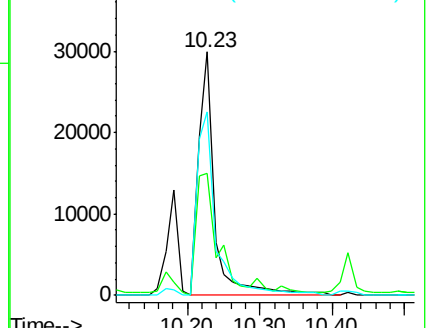
108 75.3 37.4 77.4



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: 43.85 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Tgt Ion: 77 Resp: 908996

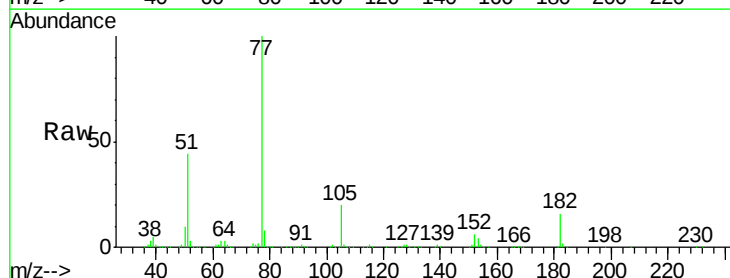
Ion Ratio Lower Upper

77 100

182 16.3 0.0 38.8

105 19.6 3.2 43.2

51 44.1 8.8 48.8

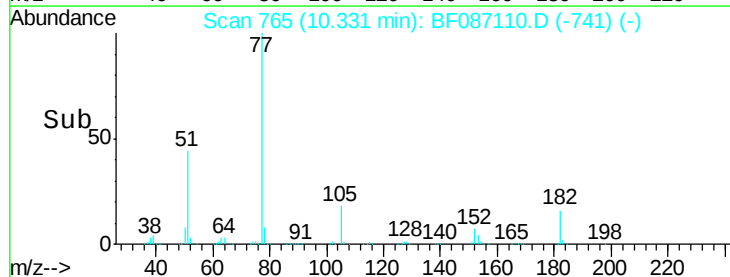
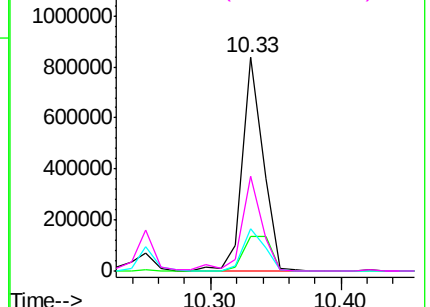


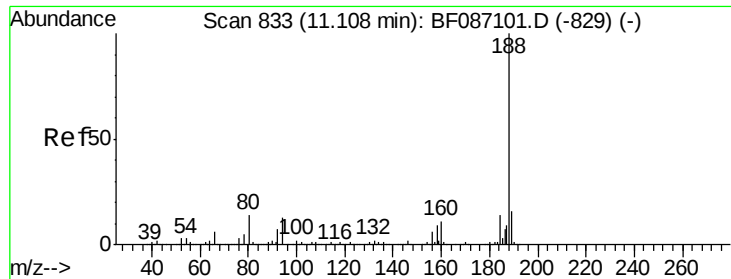
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

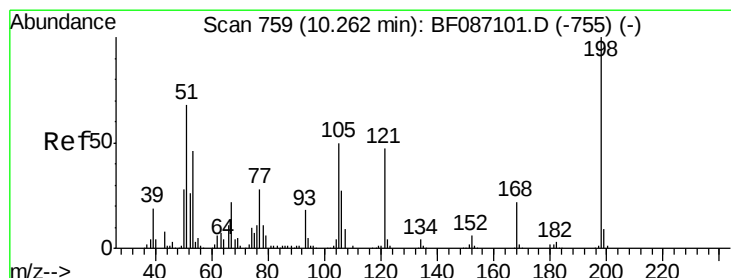
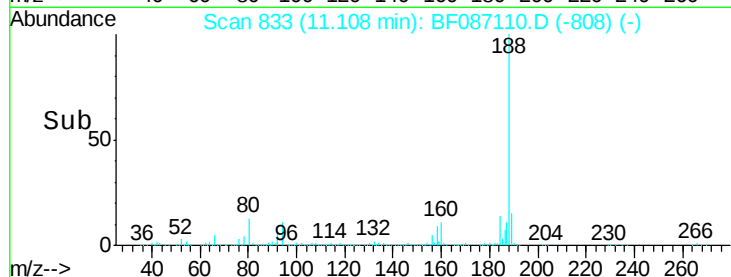
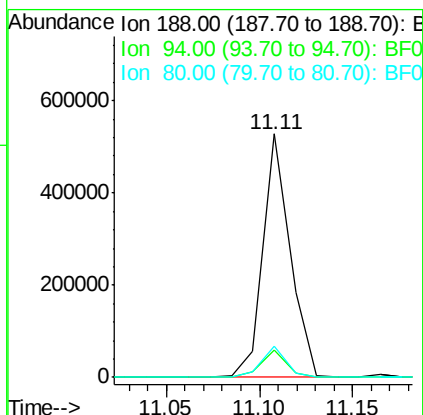
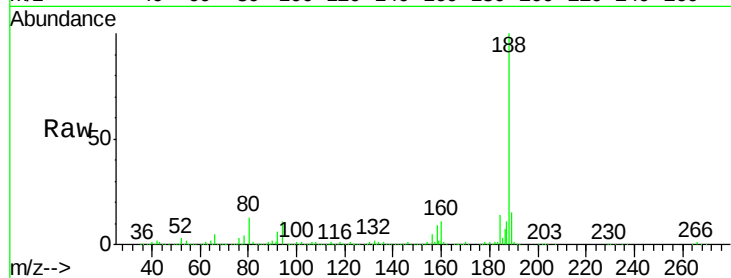




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

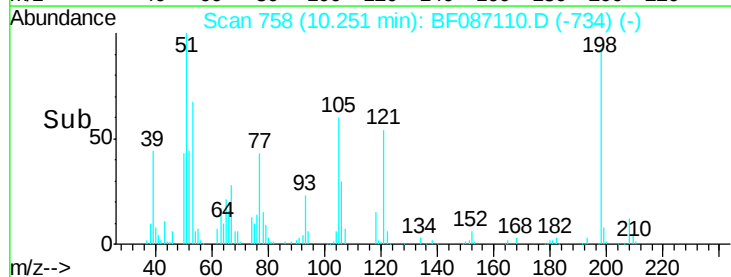
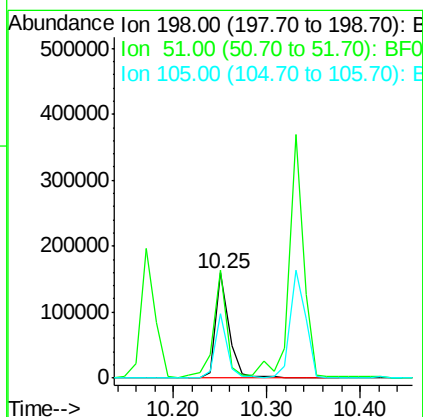
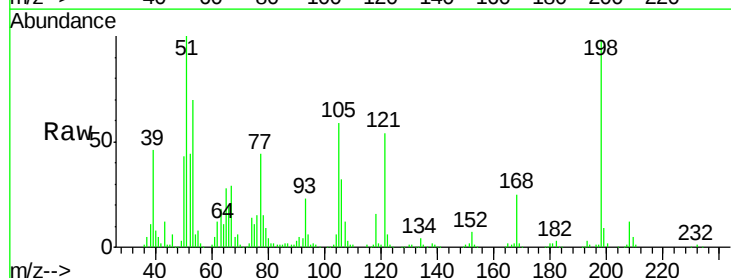
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

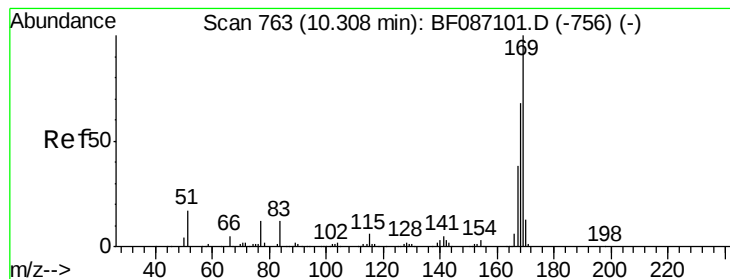
Tgt Ion:188 Resp: 533258
Ion Ratio Lower Upper
188 100
94 11.2 6.8 10.2#
80 12.7 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 45.79 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.02 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion:198 Resp: 160807
Ion Ratio Lower Upper
198 100
51 102.2 20.5 60.5#
105 60.8 24.5 64.5





#65

n-Nitrosodiphenylamine

Concen: 5.21 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

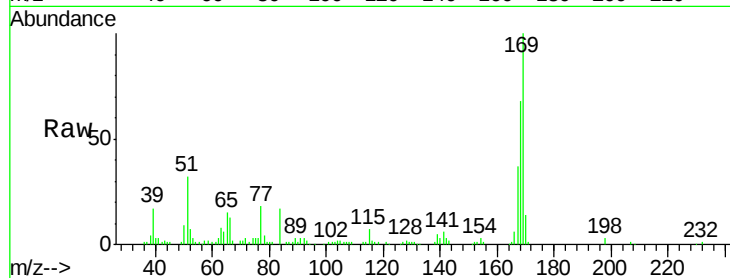
Tgt Ion:169 Resp: 87380

Ion Ratio Lower Upper

169 100

168 67.6 53.8 80.6

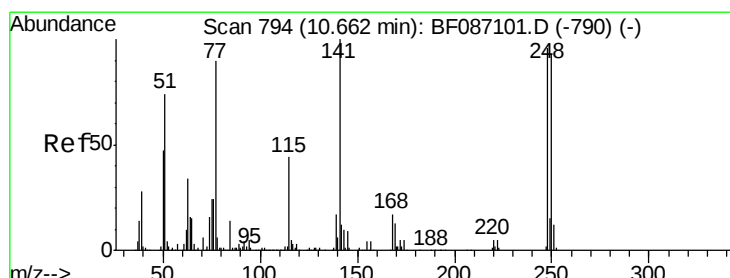
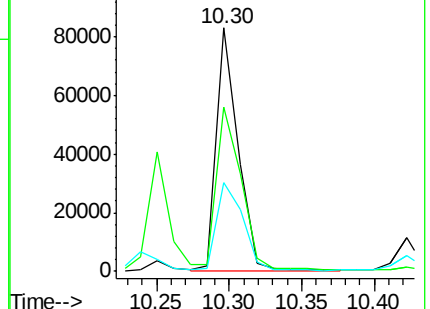
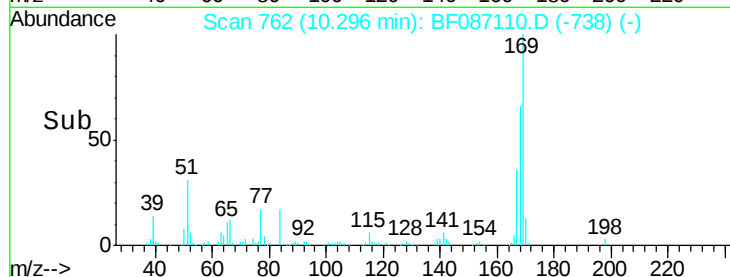
167 36.7 29.5 44.3



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: 47.58 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

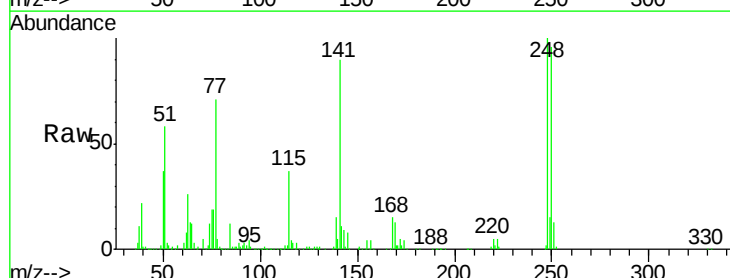
Tgt Ion:248 Resp: 260889

Ion Ratio Lower Upper

248 100

250 95.7 78.6 117.8

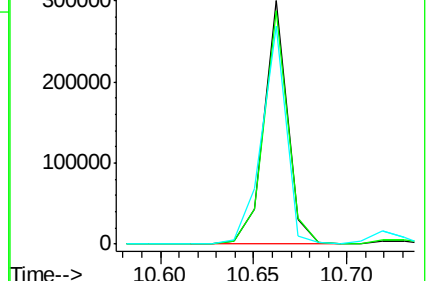
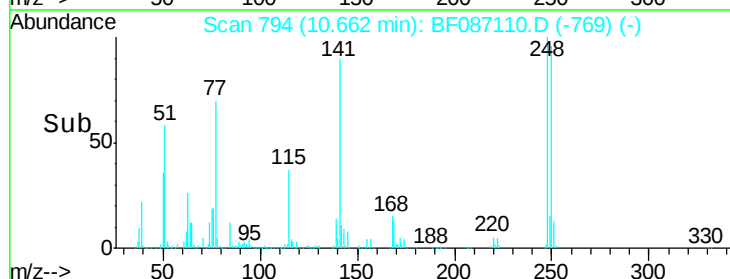
141 89.7 76.0 114.0

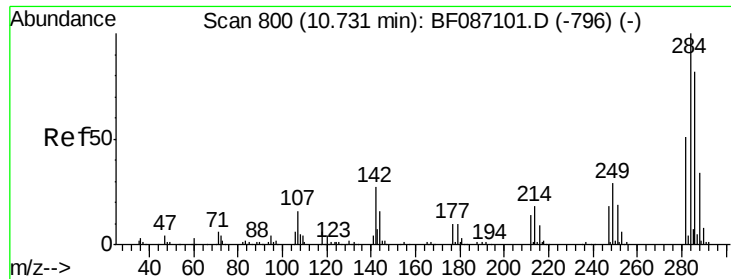


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

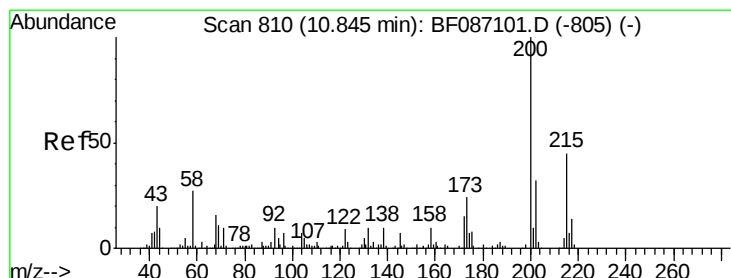
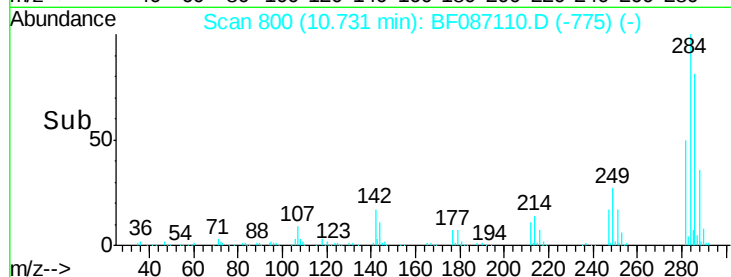
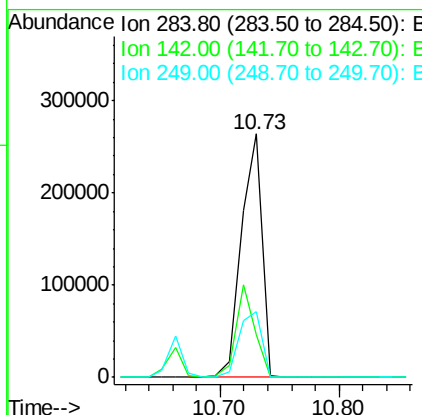
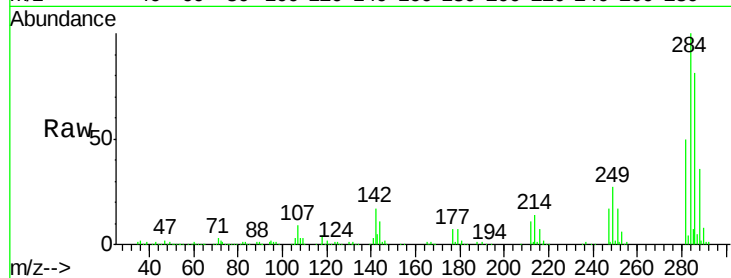




#67
Hexachlorobenzene
Concen: 50.40 ng
RT: 10.73 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

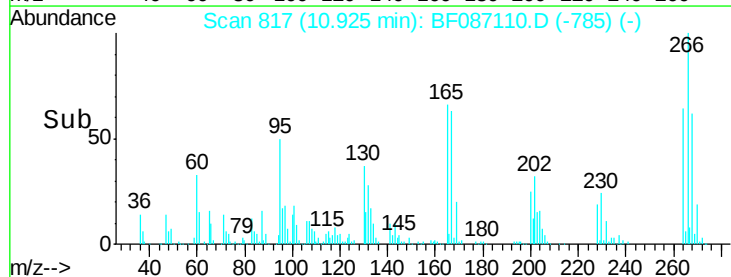
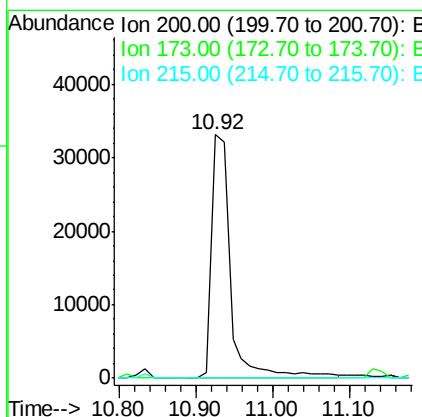
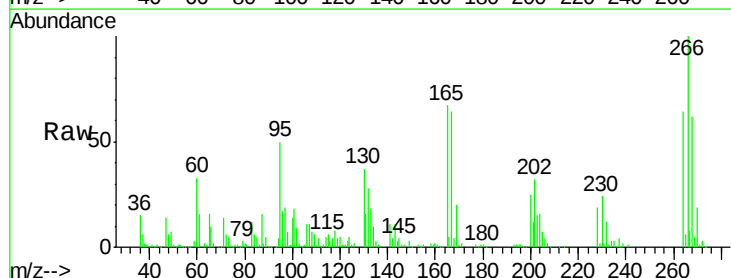
Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216MSD

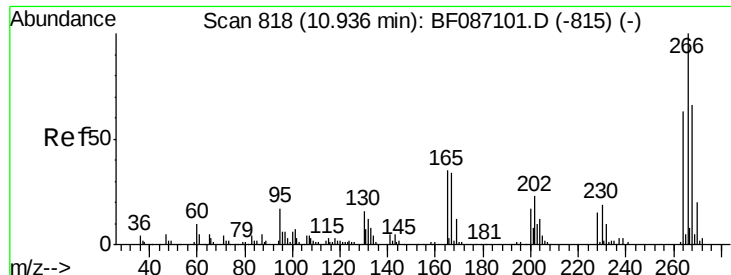
Tgt Ion:284 Resp: 320435
Ion Ratio Lower Upper
284 100
142 17.5 16.7 25.1
249 26.7 21.3 31.9



#68
Atrazine
Concen: 10.40 ng
RT: 10.92 min Scan# 817
Delta R.T. 0.07 min
Lab File: BF087110.D
Acq: 17 May 2016 19:03

Tgt Ion:200 Resp: 56957
Ion Ratio Lower Upper
200 100
173 0.0 8.5 48.5#
215 0.0 27.2 67.2#

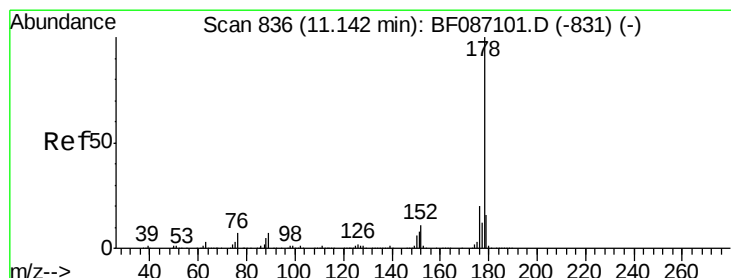
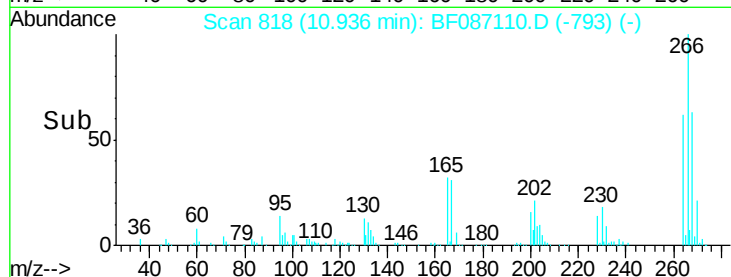
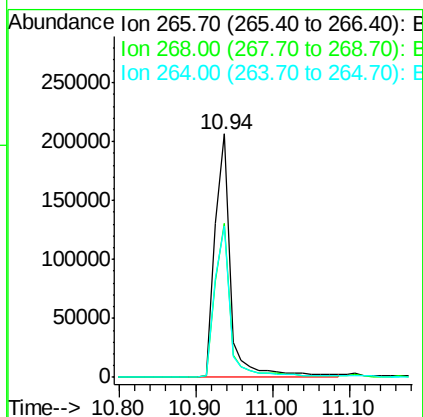
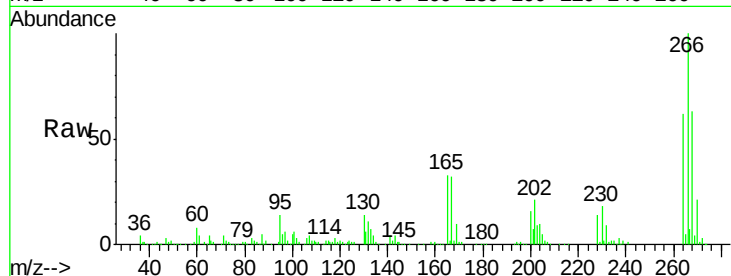




#69
 Pentachlorophenol
 Concen: 123.01 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

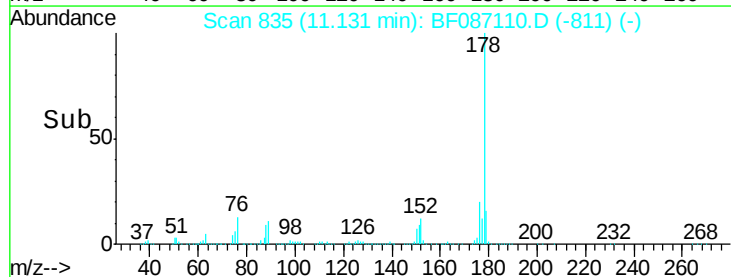
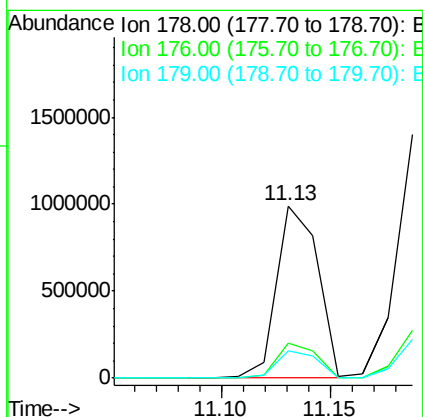
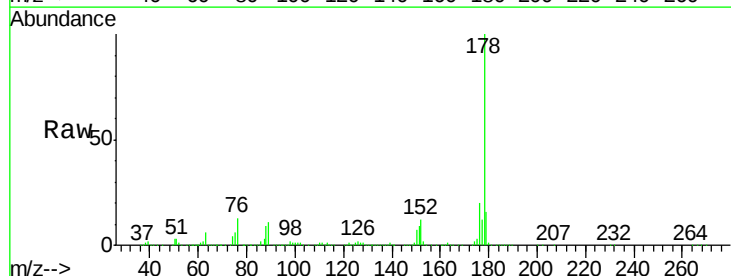
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

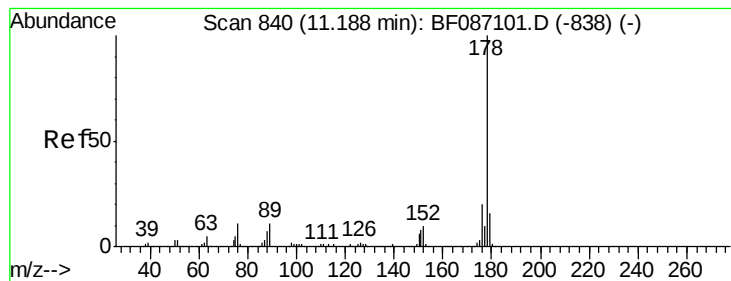
Tgt Ion:266 Resp: 293801
 Ion Ratio Lower Upper
 266 100
 268 63.4 51.5 77.3
 264 62.3 52.9 79.3



#70
 Phenanthrene
 Concen: 45.44 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:178 Resp: 1314335
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.0 24.0
 179 16.0 12.6 18.8





#71

Anthracene

Concen: 44.25 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

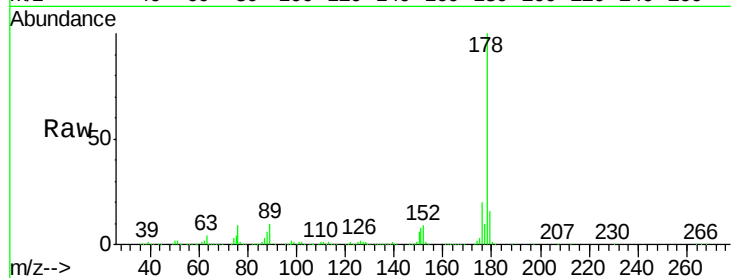
Tgt Ion:178 Resp: 1294551

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

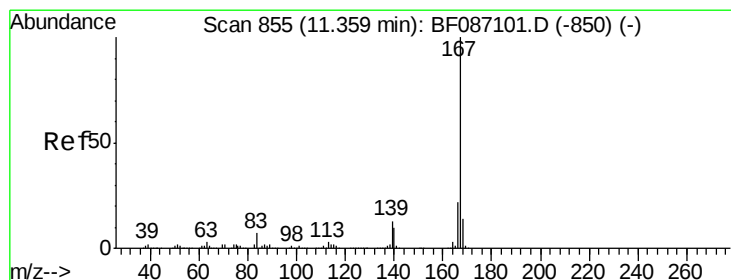
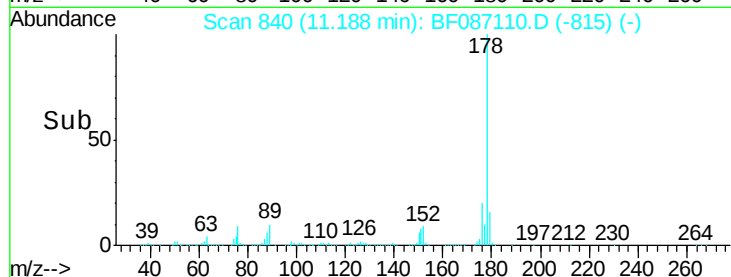
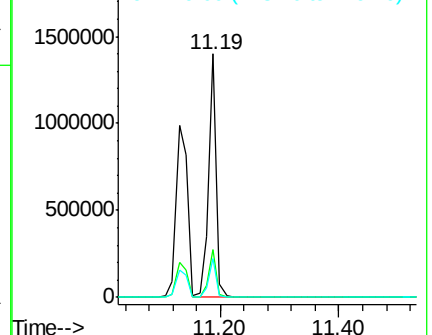
179 16.2 12.7 19.1



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: 2.45 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

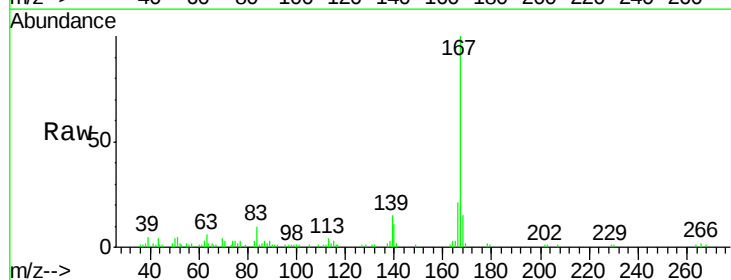
Tgt Ion:167 Resp: 65571

Ion Ratio Lower Upper

167 100

166 21.2 17.7 26.5

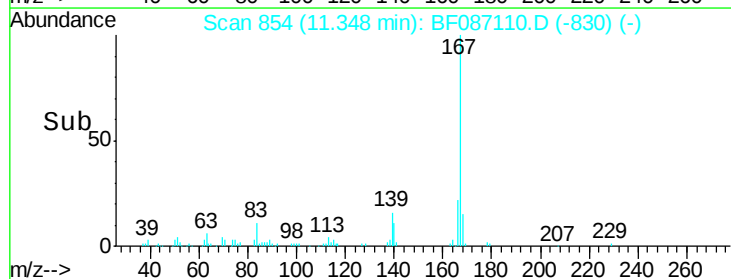
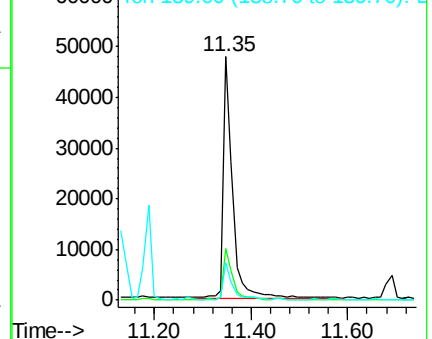
139 15.5 10.8 16.2

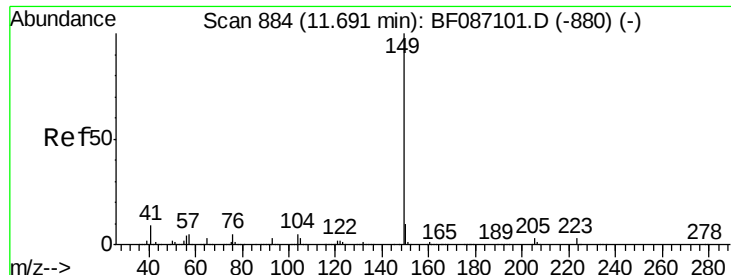


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 52.30 ng

RT: 11.69 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

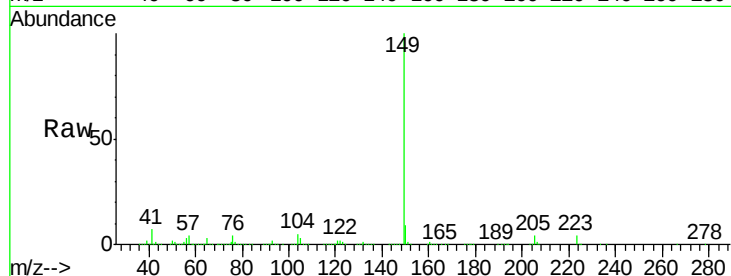
Tgt Ion:149 Resp: 1605286

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

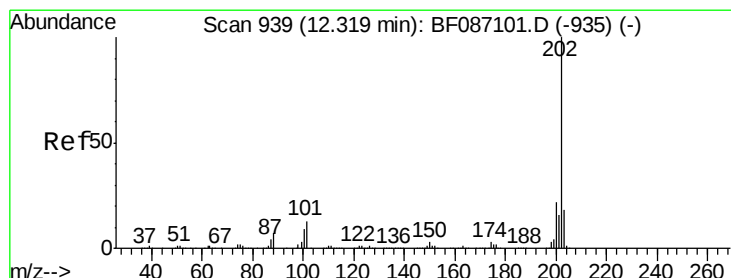
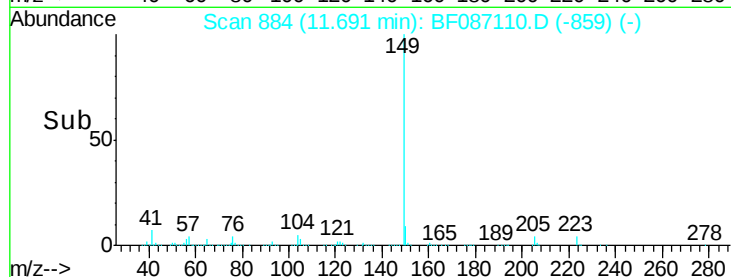
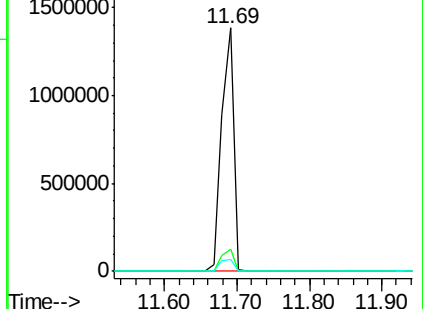
104 4.8 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 47.09 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

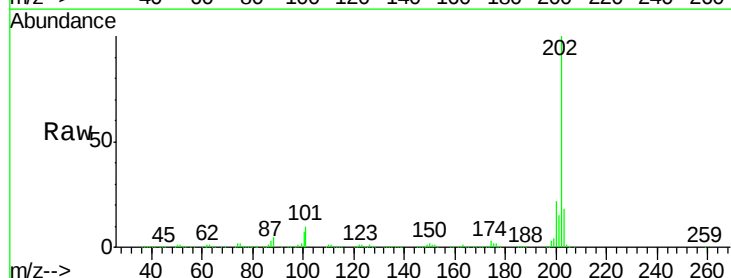
Tgt Ion:202 Resp: 1364618

Ion Ratio Lower Upper

202 100

101 9.5 0.0 35.4

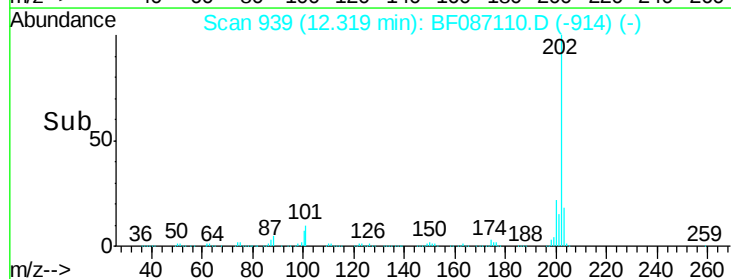
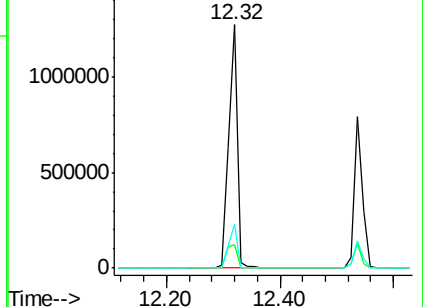
203 18.1 0.0 38.1

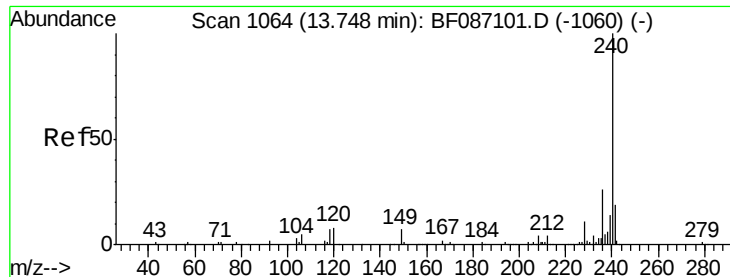


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

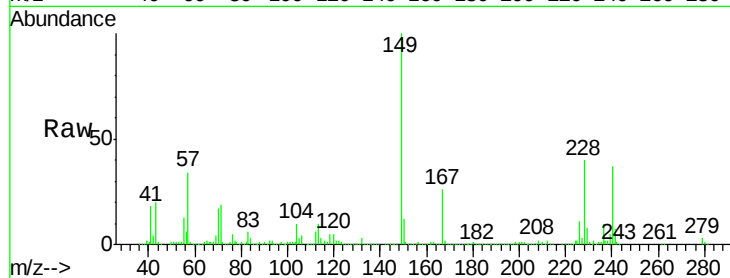
Tgt Ion:240 Resp: 333983

Ion Ratio Lower Upper

240 100

120 14.8 11.2 16.8

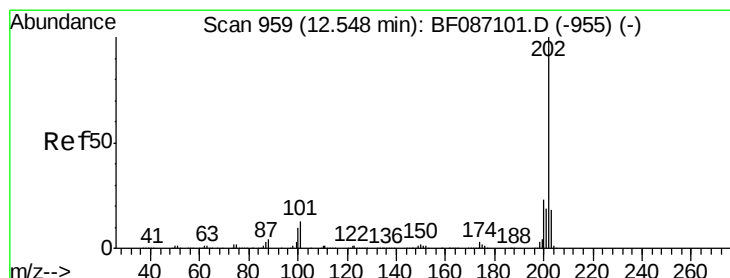
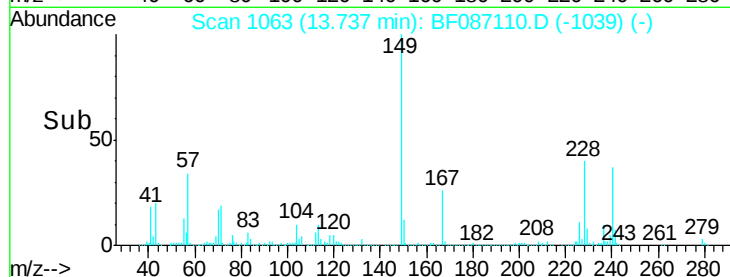
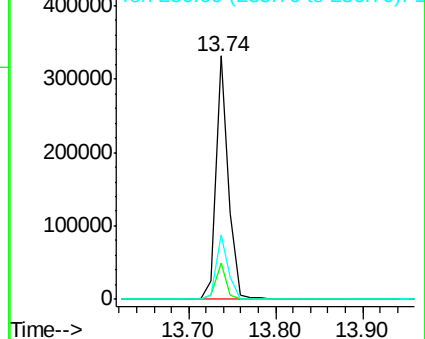
236 26.4 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.25 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

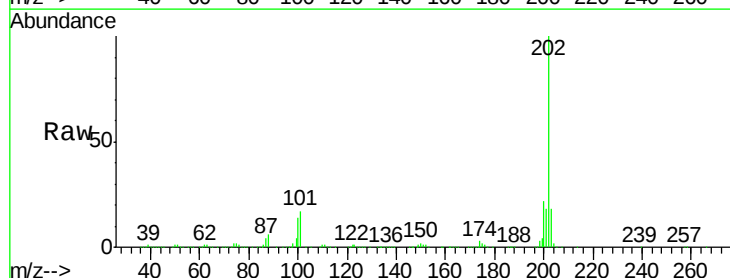
Tgt Ion:202 Resp: 802334

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

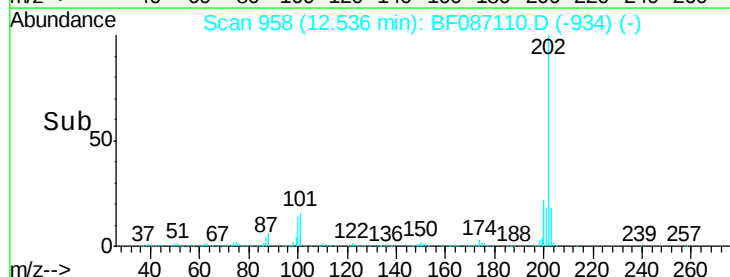
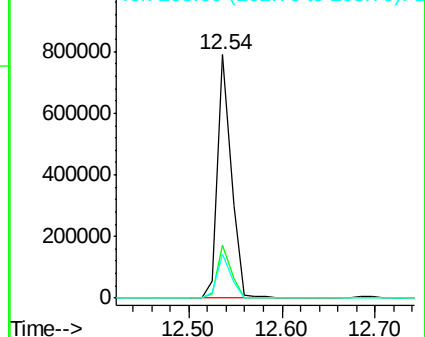
203 18.3 14.2 21.4

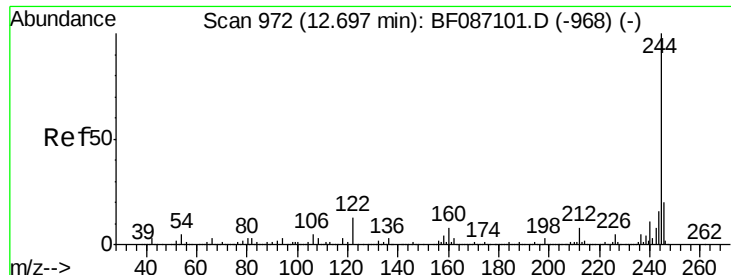


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

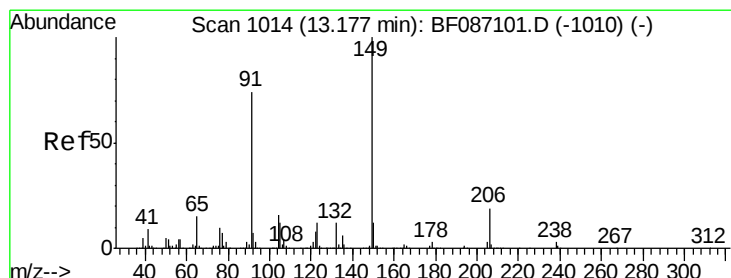
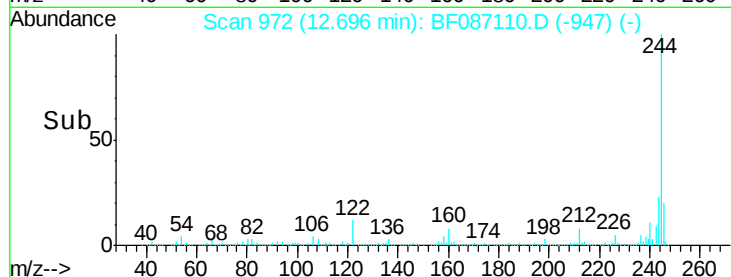
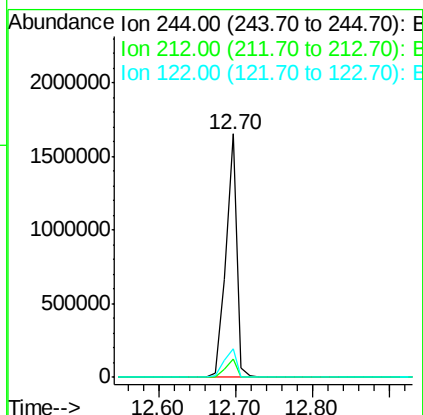
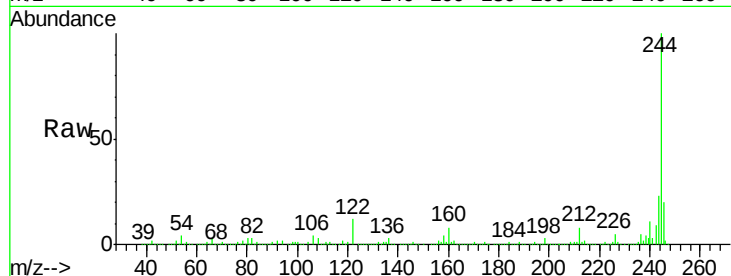




#78
 Terphenyl-d14
 Concen: 113.43 ng
 RT: 12.70 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

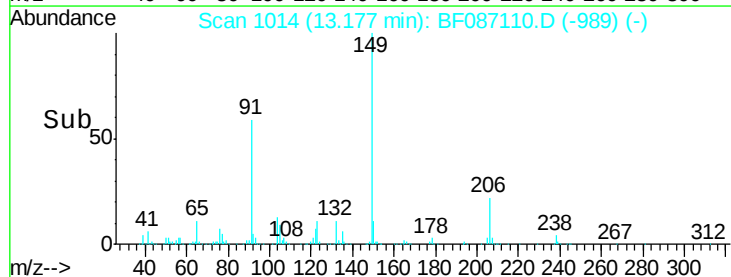
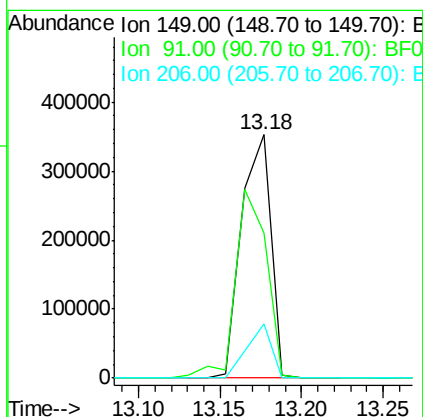
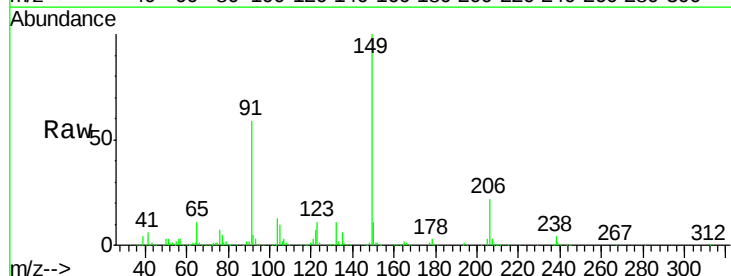
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

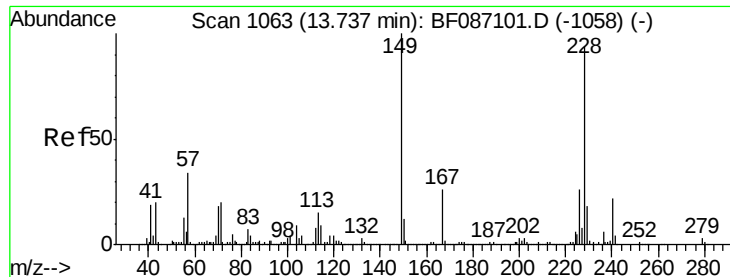
Tgt Ion:244 Resp: 1674730
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 12.0 12.0 18.0#



#79
 Butylbenzylphthalate
 Concen: 43.11 ng
 RT: 13.18 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:149 Resp: 439074
 Ion Ratio Lower Upper
 149 100
 91 59.5 48.0 72.0
 206 22.1 15.8 23.6





#80

Benzo(a)anthracene

Concen: 47.52 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

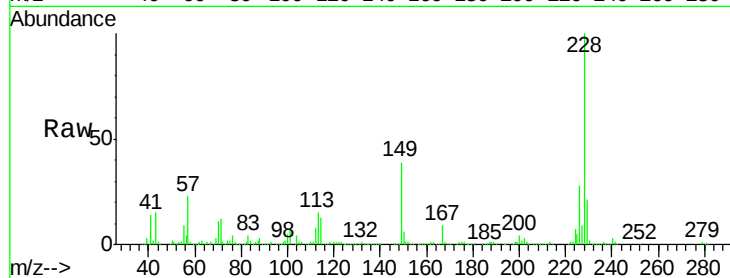
Tgt Ion:228 Resp: 917622

Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

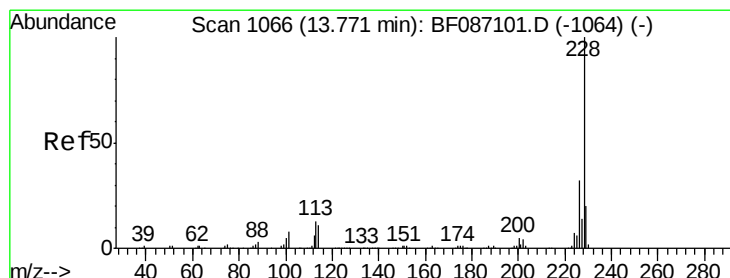
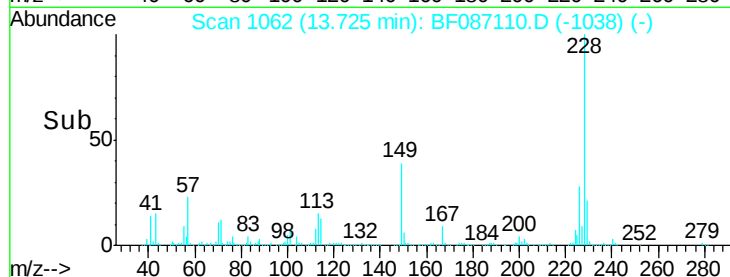
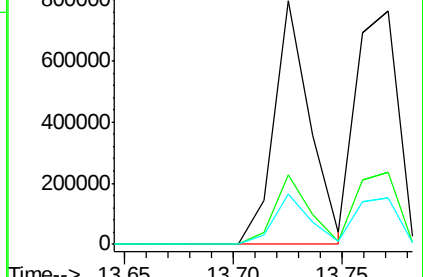
229 20.6 16.6 25.0



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



#82

Chrysene

Concen: 55.82 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

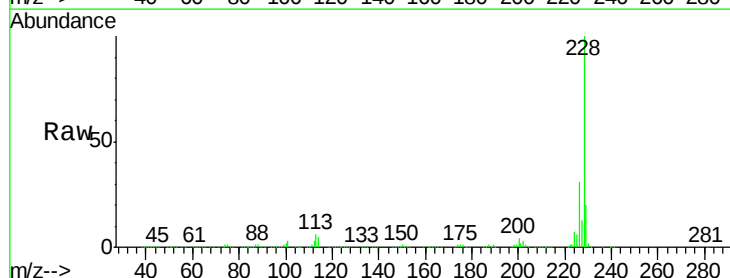
Tgt Ion:228 Resp: 1042901

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

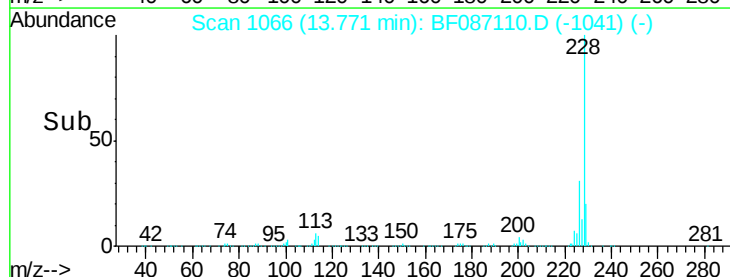
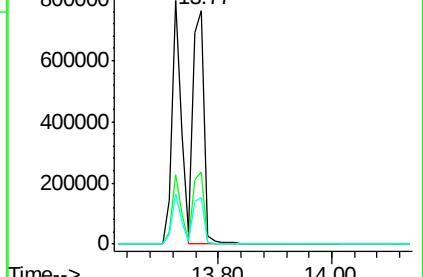
229 19.9 15.8 23.8

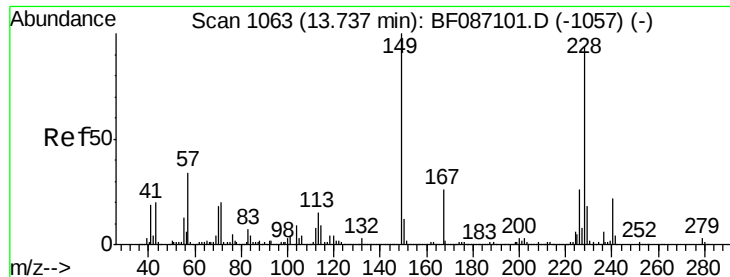


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

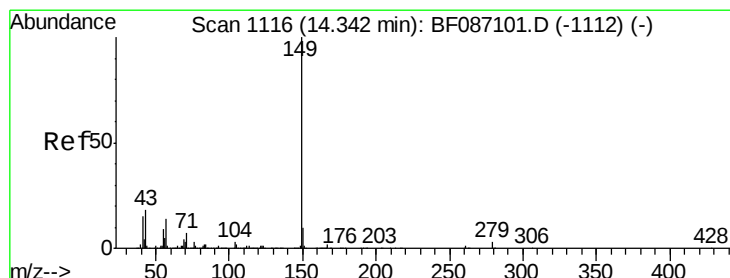
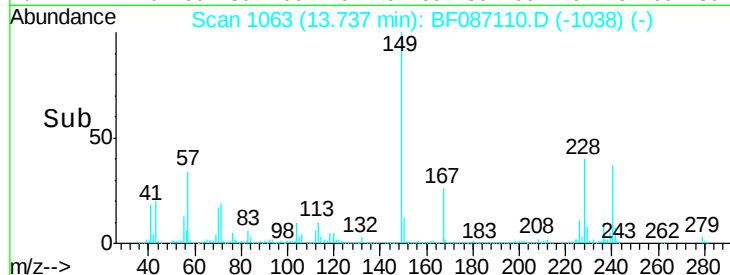
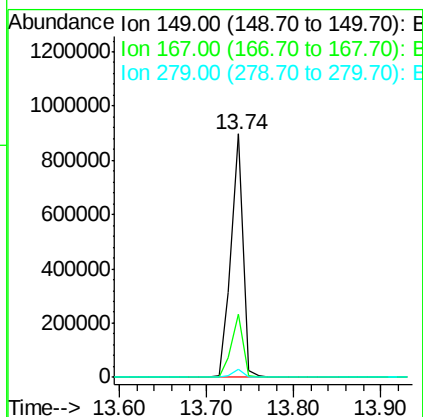
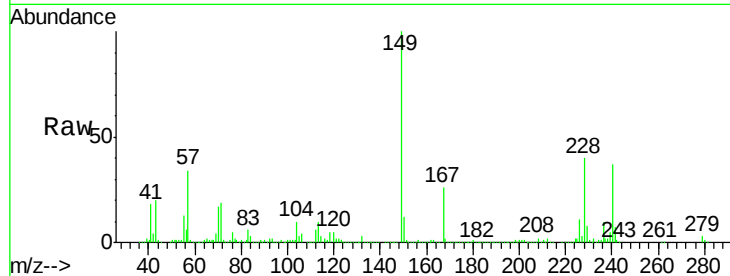




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 69.06 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

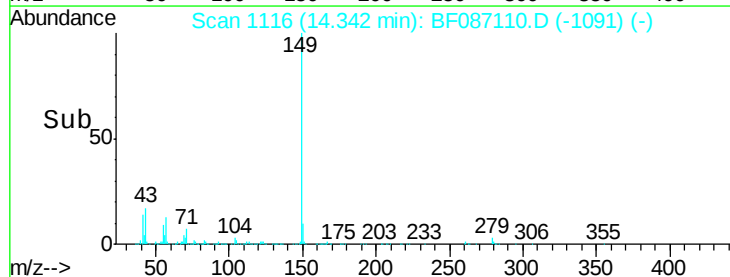
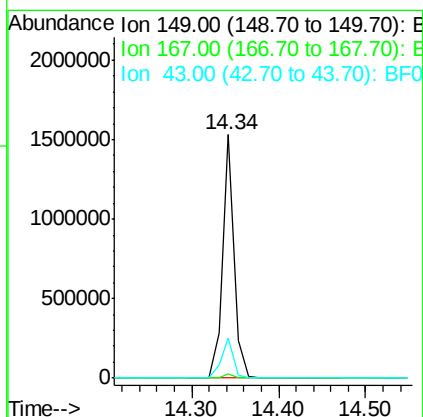
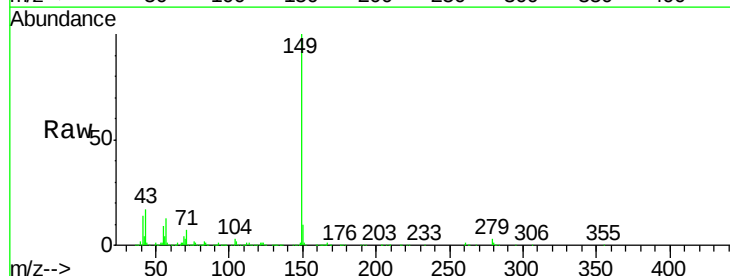
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

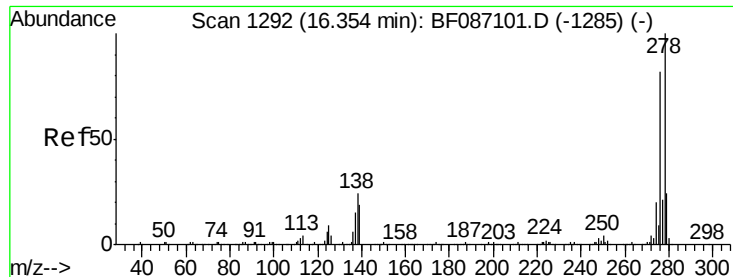
Tgt Ion:149 Resp: 856125
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.8 32.6
 279 3.4 2.6 4.0



#84
 Di-n-octyl phthalate
 Concen: 66.29 ng
 RT: 14.34 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion:149 Resp: 1415548
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 17.2 8.2 12.4#

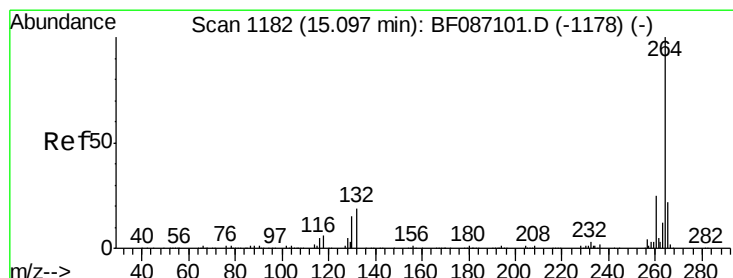
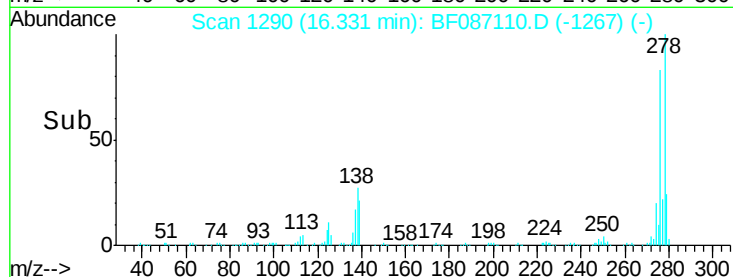
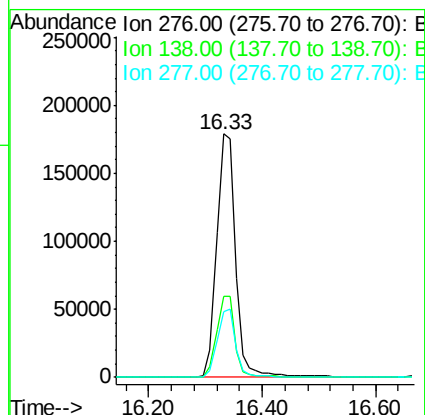
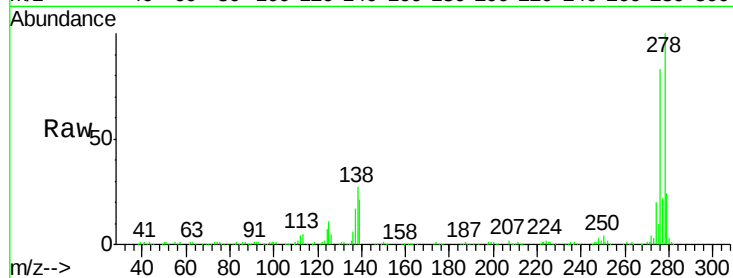




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.28 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

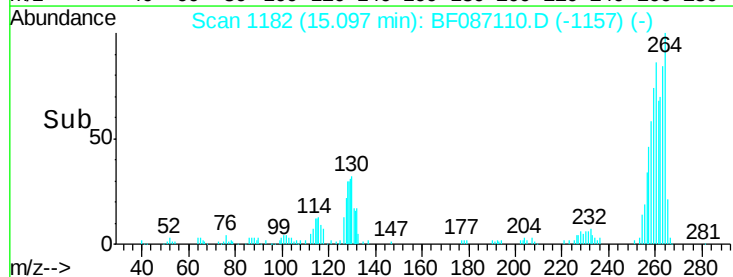
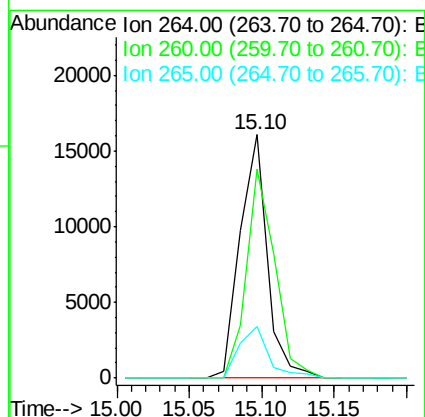
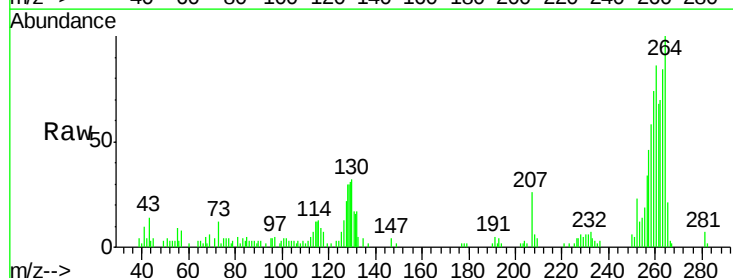
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216MSD

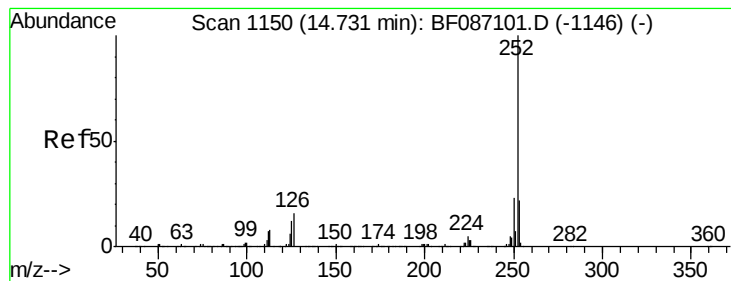
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.3	25.6	38.4
277	27.1	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF087110.D
 Acq: 17 May 2016 19:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	85.9	19.5	29.3#
265	20.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 1124.57 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

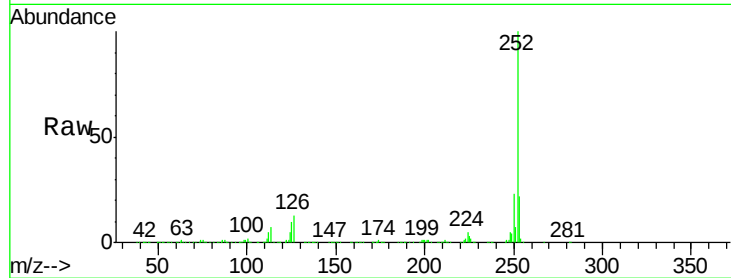
Tgt Ion:252 Resp: 1566027

Ion Ratio Lower Upper

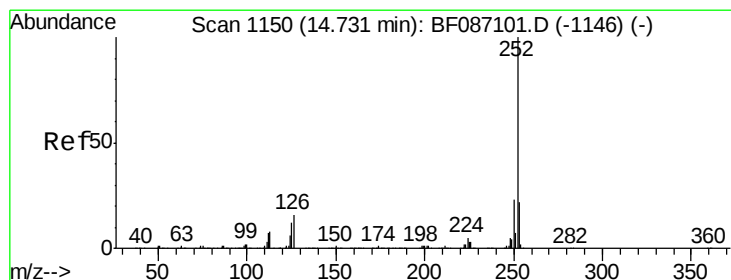
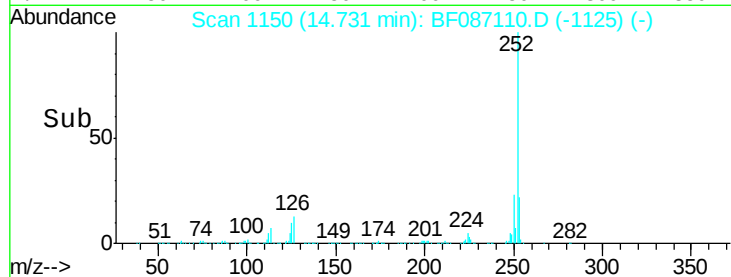
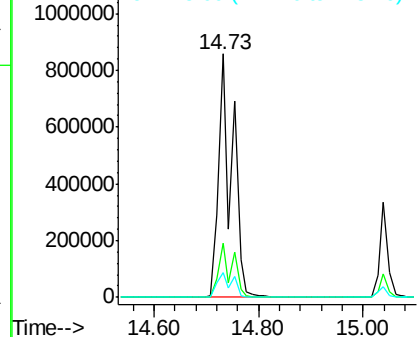
252 100

253 22.2 17.8 26.6

125 10.0 11.4 17.0#



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



#88

Benzo(k)fluoranthene

Concen: 1510.54 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

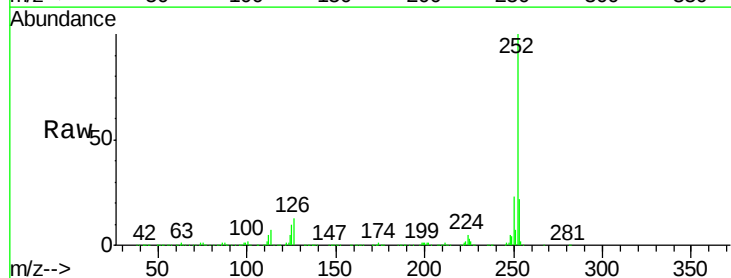
Tgt Ion:252 Resp: 1566027

Ion Ratio Lower Upper

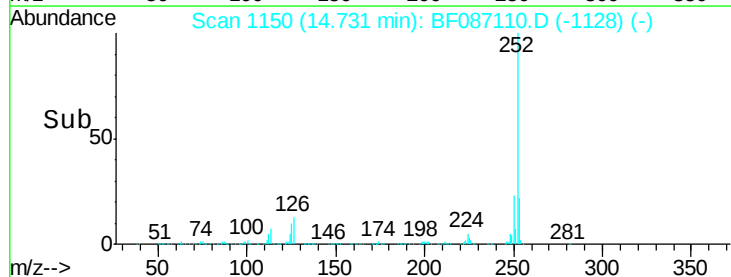
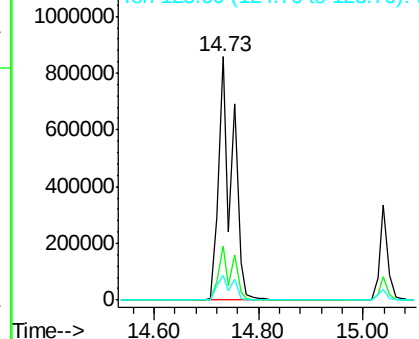
252 100

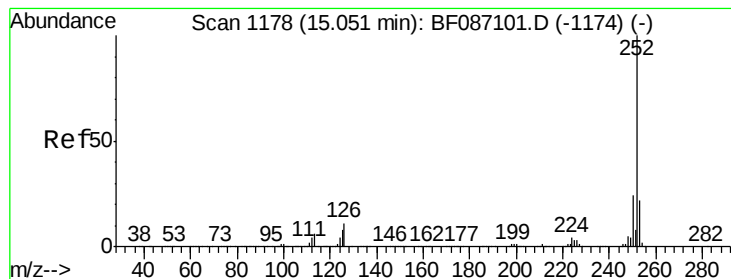
253 22.2 17.8 26.6

125 10.0 9.1 13.7



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





#89

Benzo(a)pyrene

Concen: 317.56 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD

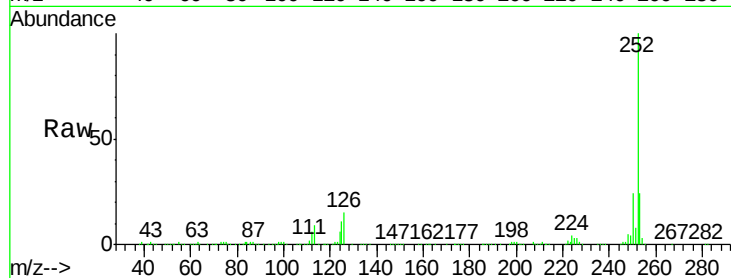
Tgt Ion: 252 Resp: 369651

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

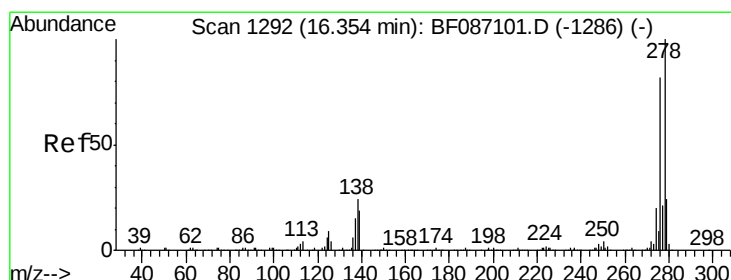
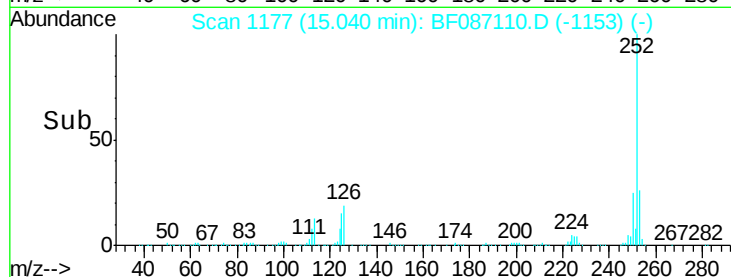
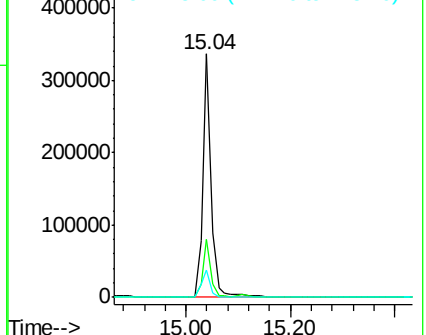
125 11.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 644.39 ng

RT: 16.34 min Scan# 1291

Delta R.T. -0.03 min

Lab File: BF087110.D

Acq: 17 May 2016 19:03

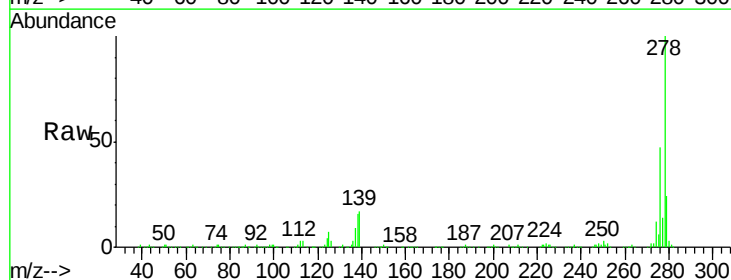
Tgt Ion: 278 Resp: 631525

Ion Ratio Lower Upper

278 100

139 16.9 16.6 24.8

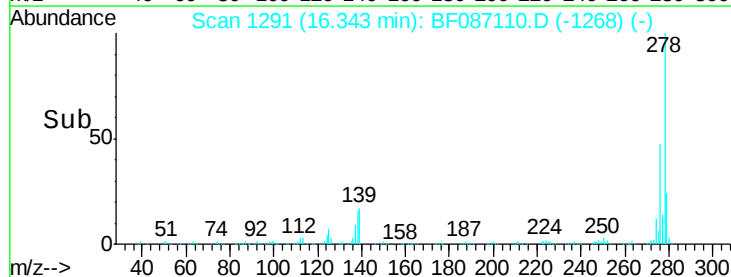
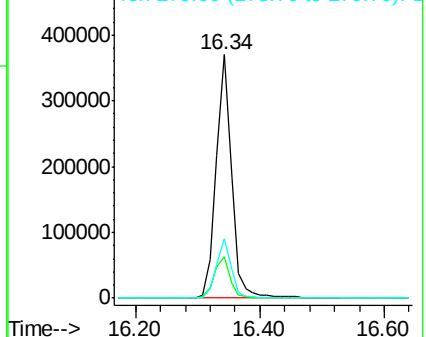
279 24.3 19.6 29.4

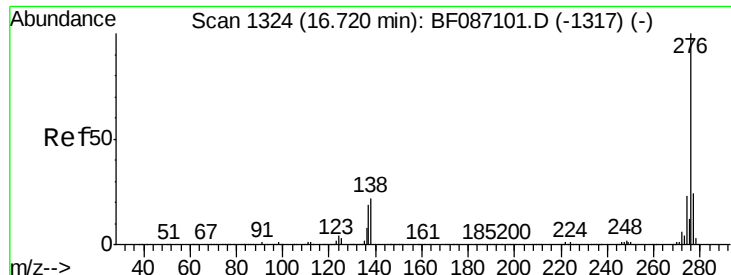


Abundance Ion 278.00 (277.70 to 278.70): E

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: 335.75 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.05 min

Lab File: BF087110.D

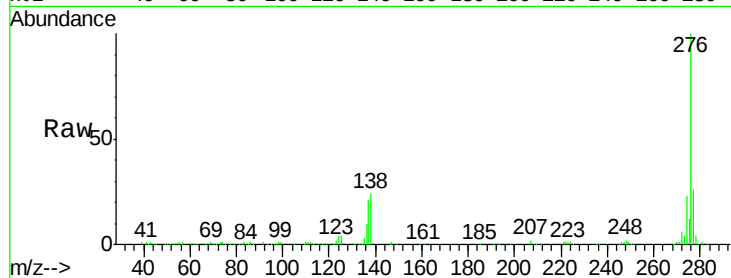
Acq: 17 May 2016 19:03

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216MSD



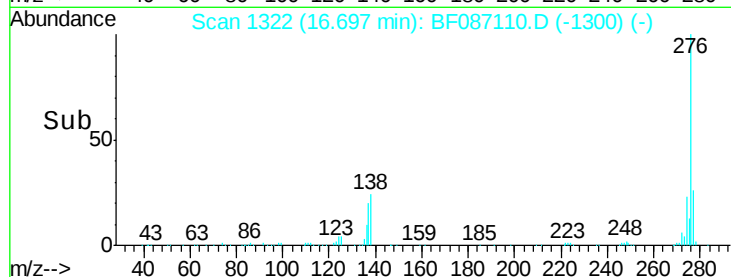
Tgt Ion: 276 Resp: 332341

Ion Ratio Lower Upper

276 100

277 25.7 19.6 29.4

138 23.7 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

