

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088450.D
 Acq On : 27 Jun 2016 12:22
 Operator : UM/SJ
 Sample : H3731-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Quant Time: Jun 27 19:07:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	242968	20.00	ng	-0.15
21) Naphthalene-d8	7.83	136	272771	20.00	ng	-0.30
38) Acenaphthene-d10	9.58	164	129405	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	245504	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	203428	20.00	ng	-0.31
86) Perylene-d12	15.03	264	165718	20.00	ng	-0.37

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	460792	32.42	ng	-0.29
7) Phenol-d6	6.22	99	568968	33.03	ng	-0.26
23) Nitrobenzene-d5	7.12	82	383090	82.01	ng	-0.30
41) 2,4,6-Tribromophenol	10.36	330	157540	115.30	ng	-0.31
44) 2-Fluorobiphenyl	8.90	172	729117	88.76	ng	-0.31
78) Terphenyl-d14	12.64	244	733226	82.02	ng	-0.31

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.12	88	61401	8.89	ng	# 48
3) Pyridine	2.80	79	56897	3.49	ng	94
6) Aniline	6.28	93	99398	4.05	ng	# 57
8) 2-Chlorophenol	6.33	128	98224	5.84	ng	88
9) Benzaldehyde	6.09	77	42110	3.30	ng	98
10) Phenol	6.23	94	107929	3.79	ng	94
11) bis(2-Chloroethyl)ether	6.28	93	99398	6.58	ng	87
12) 1,3-Dichlorobenzene	6.71	146	95734	5.30	ng	96
13) 1,4-Dichlorobenzene	6.71	146	95734	5.27	ng	99
14) 1,2-Dichlorobenzene	6.71	146	95734	5.79	ng	96
15) Benzyl Alcohol	6.71	79	74725	5.55	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.83	45	101034	4.95	ng	# 8
17) 2-Methylphenol	6.99	107	96427	7.07	ng	# 76
19) n-Nitroso-di-n-propylamine	7.12	70	50789	4.61	ng	# 69
20) 3+4-Methylphenols	6.99	107	95989	6.03	ng	# 79
22) Acetophenone	6.96	105	140846	23.11	ng	# 97
24) Nitrobenzene	7.13	77	91434	20.21	ng	90
25) Isophorone	7.37	82	179434	20.74	ng	97
26) 2-Nitrophenol	7.45	139	54079	22.31	ng	# 89
27) 2,4-Dimethylphenol	7.51	122	91086	20.41	ng	92
28) bis(2-Chloroethoxy)methane	7.60	93	112901	21.04	ng	98
29) 2,4-Dichlorophenol	7.71	162	81969	22.00	ng	94
30) 1,2,4-Trichlorobenzene	7.77	180	83618	20.61	ng	100
31) Naphthalene	7.85	128	324317	24.03	ng	98
32) Benzoic acid	7.67	122	29136	11.86	ng	91
33) 4-Chloroaniline	7.93	127	22941	3.81	ng	94
34) Hexachlorobutadiene	7.96	225	44862	20.97	ng	98
35) Caprolactam	8.31	113	9524	7.72	ng	# 69
36) 4-Chloro-3-methylphenol	8.42	107	89850	22.55	ng	94
37) 2-Methylnaphthalene	8.54	142	196957	22.14	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	84983	21.20	ng	# 1
40) Hexachlorocyclopentadiene	8.68	237	22408	10.74	ng	98
42) 2,4,6-Trichlorophenol	8.83	196	54625	21.11	ng	96
43) 2,4,5-Trichlorophenol	8.88	196	52839	19.63	ng	# 84

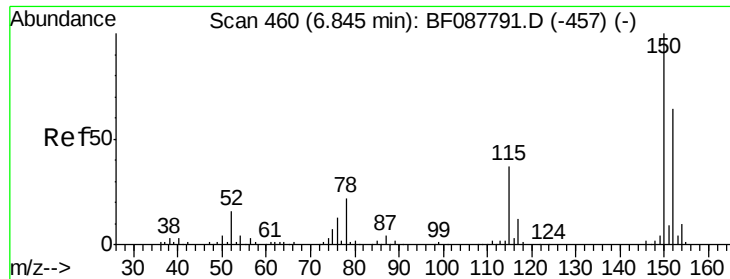
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	9.00	154	256005	23.37	nq	96
46) 2-Chloronaphthalene	9.03	162	191186	22.83	nq	95
47) 2-Nitroaniline	9.14	65	52345	21.19	nq	# 69
48) Acenaphthylene	9.43	152	295244	22.17	nq	98
49) Dimethylphthalate	9.31	163	236059	25.18	nq	99
50) 2,6-Dinitrotoluene	9.38	165	53224	24.79	nq	97
51) Acenaphthene	9.60	154	174170	20.96	nq	99
52) 3-Nitroaniline	9.56	138	15345	6.19	nq	# 88
53) 2,4-Dinitrophenol	9.69	184	12827	15.83	nq	90
54) Dibenzofuran	9.78	168	269650	23.56	nq	92
55) 4-Nitrophenol	9.77	139	167576	87.16	nq	# 21
56) 2,4-Dinitrotoluene	9.79	165	65154	23.62	nq	# 94
57) Fluorene	10.11	166	210676	25.11	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.87	232	34167	16.15	nq	# 55
59) Diethylphthalate	10.01	149	239238	25.21	nq	98
60) 4-Chlorophenyl-phenylether	10.11	204	93381	24.54	nq	97
61) 4-Nitroaniline	10.17	138	46910	19.96	nq	97
62) Azobenzene	10.27	77	228090	24.31	nq	96
64) 4,6-Dinitro-2-methylphenol	10.20	198	9773	8.25	nq	86
65) n-Nitrosodiphenylamine	10.24	169	186600	22.91	nq	100
66) 4-Bromophenyl-phenylether	10.60	248	56977	21.63	nq	94
67) Hexachlorobenzene	10.66	284	61397	22.44	nq	96
68) Atrazine	10.78	200	40550	16.44	nq	94
69) Pentachlorophenol	10.88	266	49250	34.14	nq	98
70) Phenanthrene	11.07	178	314631	24.42	nq	98
71) Anthracene	11.12	178	333608	25.67	nq	98
72) Carbazole	11.29	167	310050	25.50	nq	98
73) Di-n-butylphthalate	11.62	149	363631	23.62	nq	99
74) Fluoranthene	12.25	202	321779	23.67	nq	99
76) Benzidine	12.40	184	11465	2.04	nq	# 1
77) Pyrene	12.48	202	326800	21.65	nq	99
79) Butylbenzylphthalate	13.11	149	161058	24.13	nq	93
80) Benzo(a)anthracene	13.67	228	284384	24.53	nq	98
81) 3,3'-Dichlorobenzidine	13.63	252	20725	6.65	nq	# 96
82) Chrysene	13.70	228	268824	24.65	nq	98
83) Bis(2-ethylhexyl)phthalate	13.67	149	204384	25.16	nq	98
84) Di-n-octyl phthalate	14.27	149	357041	27.05	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.25	276	209105	20.64	nq	# 100
87) Benzo(b)fluoranthene	14.70	252	507973	43.98	nq	98
88) Benzo(k)fluoranthene	14.70	252	509342	58.46	nq	# 93
89) Benzo(a)pyrene	14.97	252	231021	24.72	nq	100
90) Dibenzo(a,h)anthracene	16.25	278	178312	20.54	nq	98
91) Benzo(g,h,i)perylene	16.62	276	174576	19.55	nq	98

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

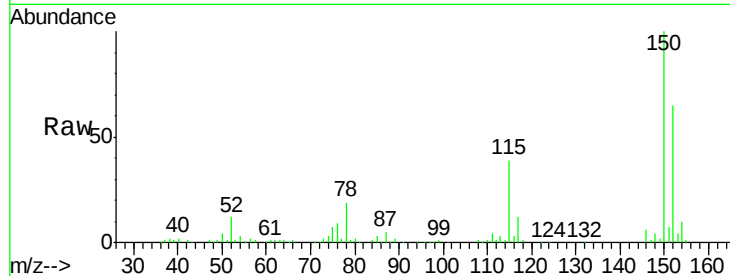


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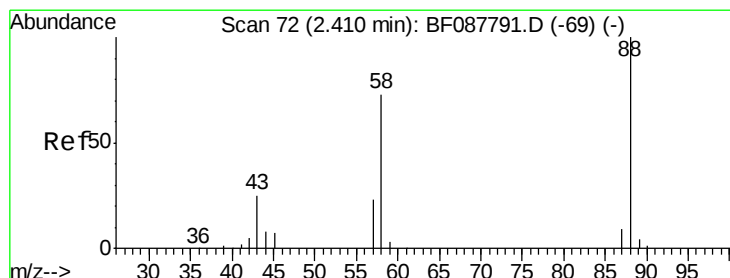
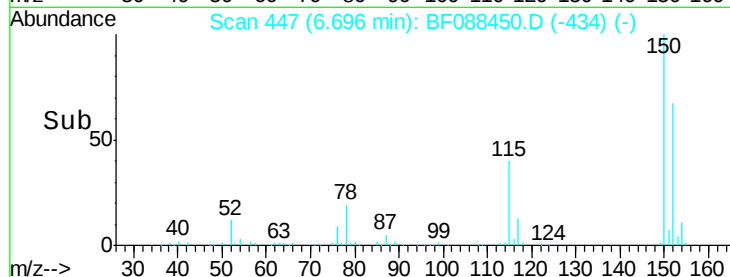
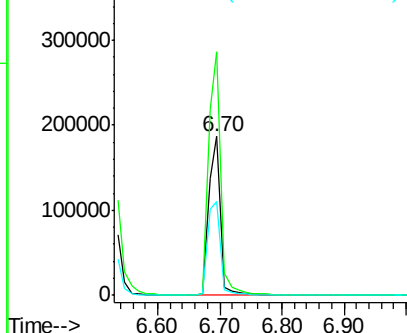
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.15 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion:152 Resp: 242968
Ion Ratio Lower Upper
152 100
150 153.0 123.8 185.6
115 58.9 39.6 59.4



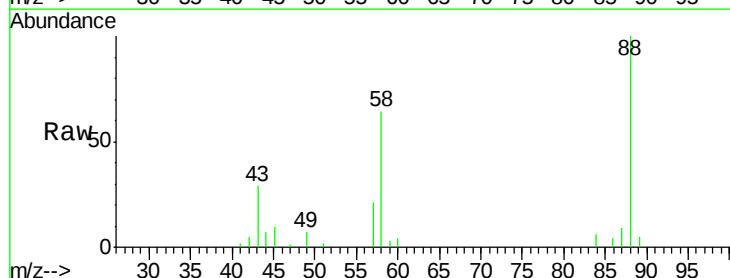
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



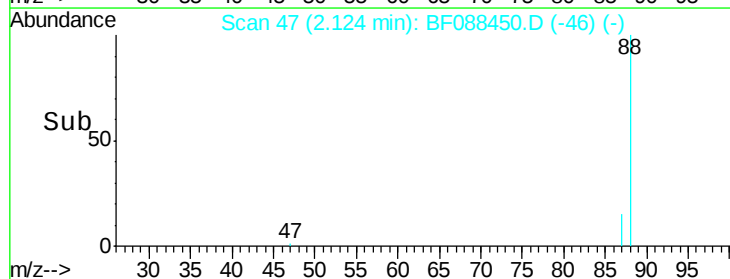
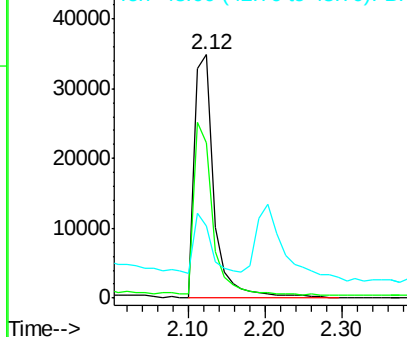
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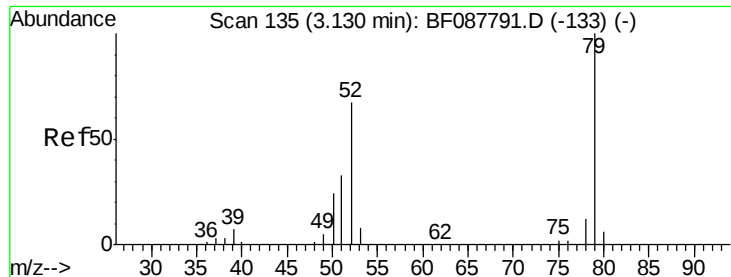
1,4-Dioxane
Concen: 8.89 ng
RT: 2.12 min Scan# 47
Delta R.T. -0.29 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion: 88 Resp: 61401
Ion Ratio Lower Upper
88 100
58 69.0 0.0 0.0#
43 21.4 3.4 5.2#



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

Pvridine

Concen: 3.49 ng

RT: 2.80 min Scan# 106

Delta R.T. -0.33 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

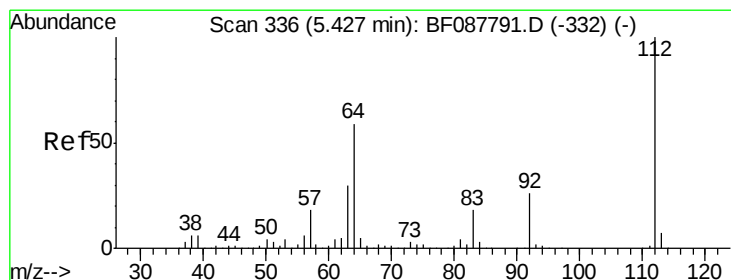
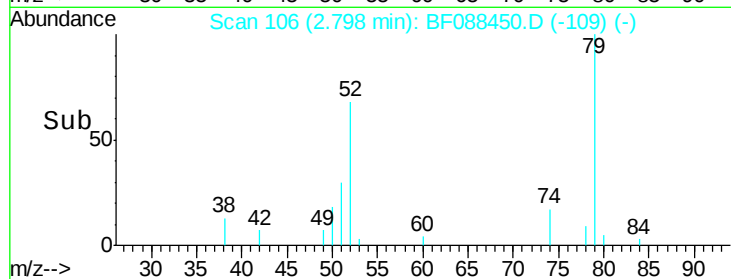
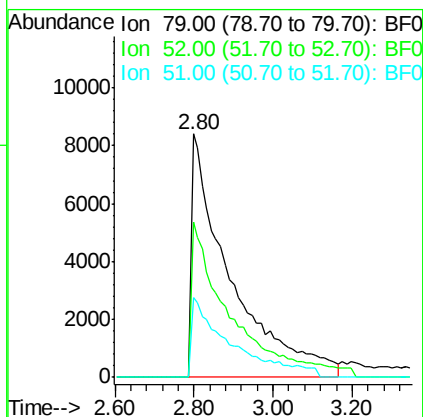
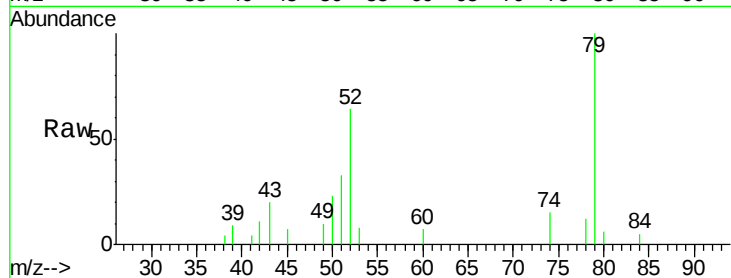
Tot Ion: 79 Resp: 56897

Ion Ratio Lower Upper

79 100

52 63.7 56.3 84.5

51 32.9 27.4 41.2



#5

2-Fluorophenol

Concen: 32.42 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

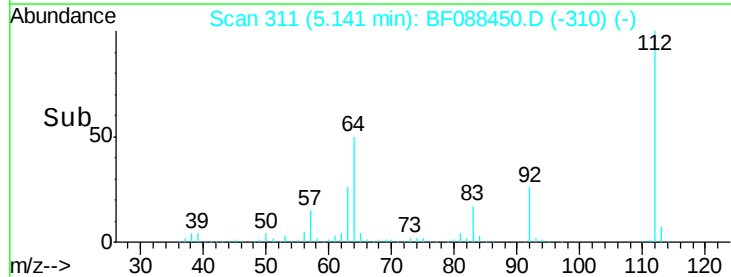
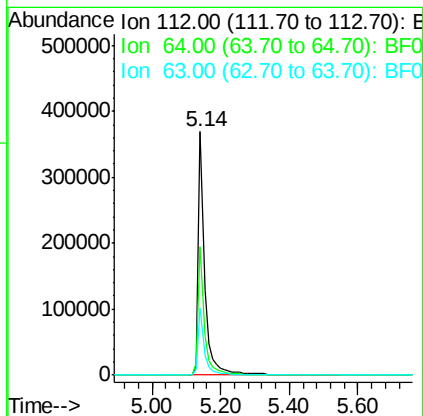
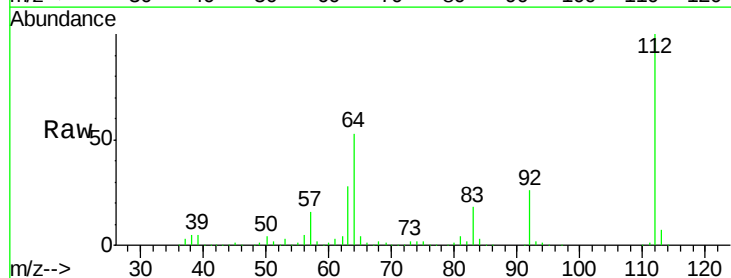
Tgt Ion: 112 Resp: 460792

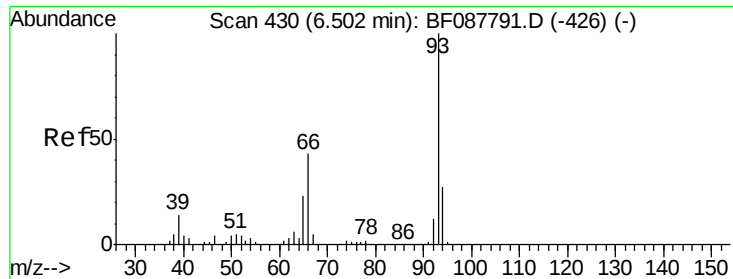
Ion Ratio Lower Upper

112 100

64 53.0 42.2 63.2

63 27.7 21.8 32.8





#6

Aniline

Concen: 4.05 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.22 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

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ClientSampleId :

HSR-WC-55-062216MSD

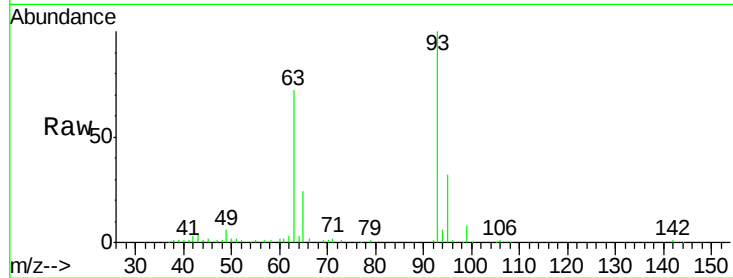
Tot Ion: 93 Resp: 99398

Ion Ratio Lower Upper

93 100

66 2.1 29.8 44.8#

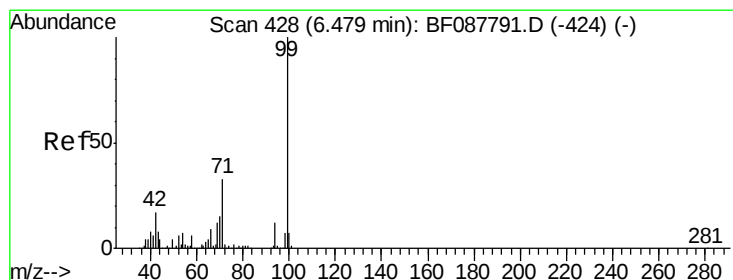
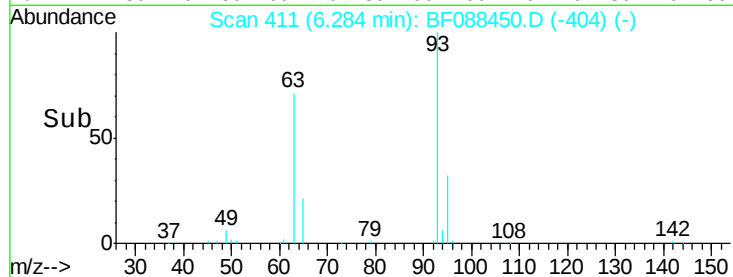
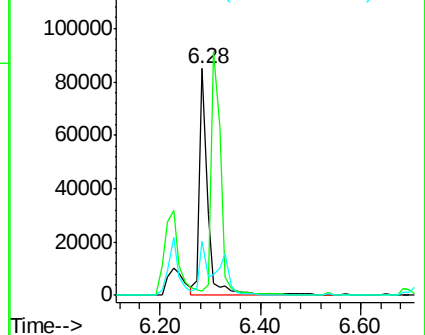
65 23.7 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 33.03 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

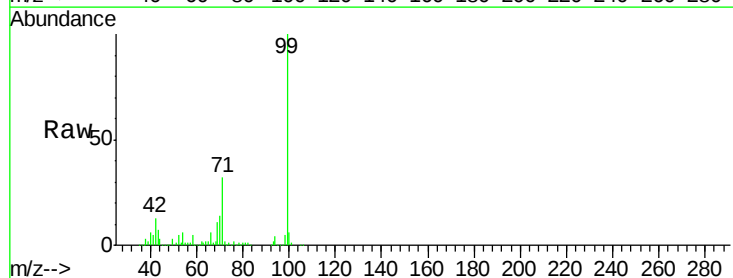
Tgt Ion: 99 Resp: 568968

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

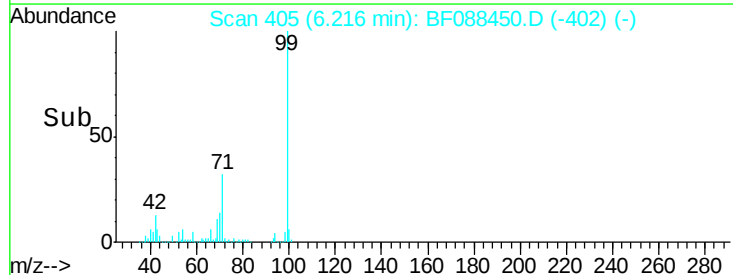
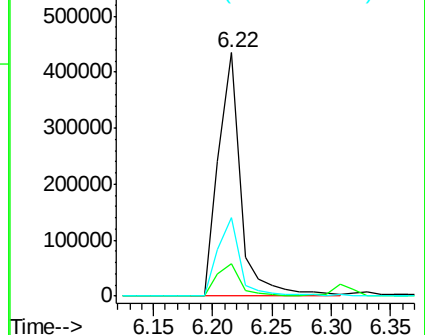
71 32.3 23.4 35.0

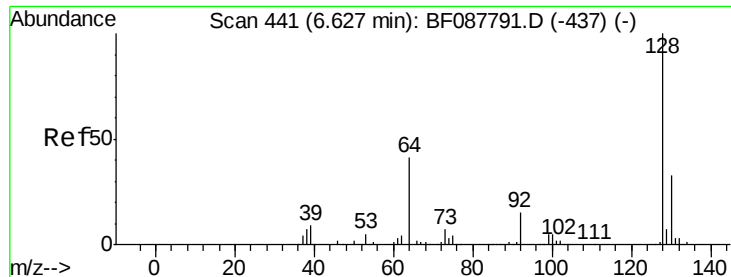


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 5.84 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.30 min

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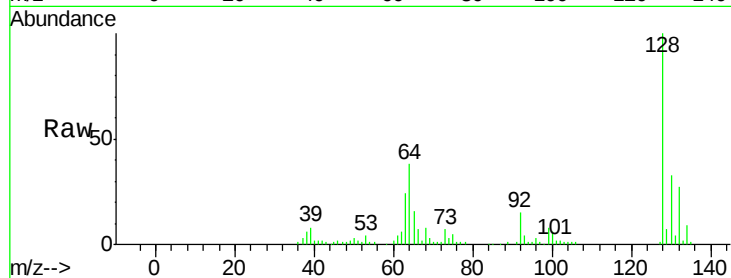
Tot Ion:128 Resp: 98224

Ion Ratio Lower Upper

128 100

130 33.2 12.0 52.0

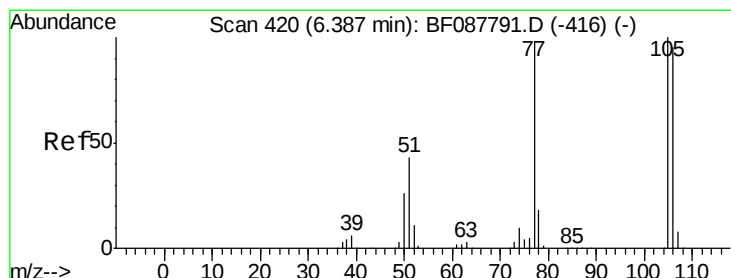
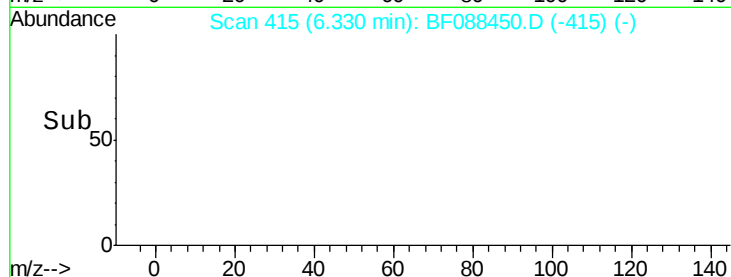
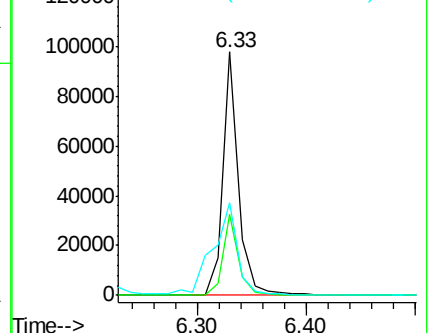
64 38.0 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 3.30 ng

RT: 6.09 min Scan# 394

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

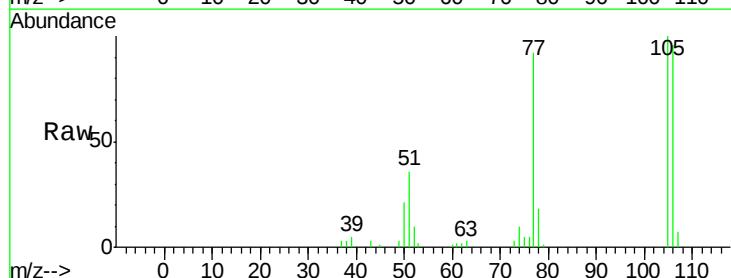
Tgt Ion: 77 Resp: 42110

Ion Ratio Lower Upper

77 100

105 108.2 90.6 130.6

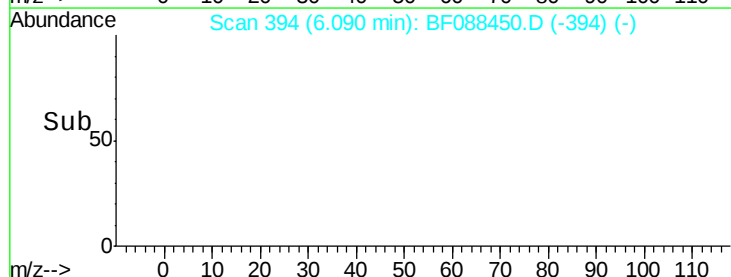
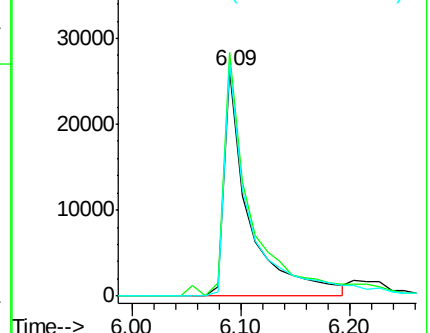
106 103.9 85.3 125.3



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: 3.79 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.26 min

Lab File: BF088450.D

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HSR-WC-55-062216MSD

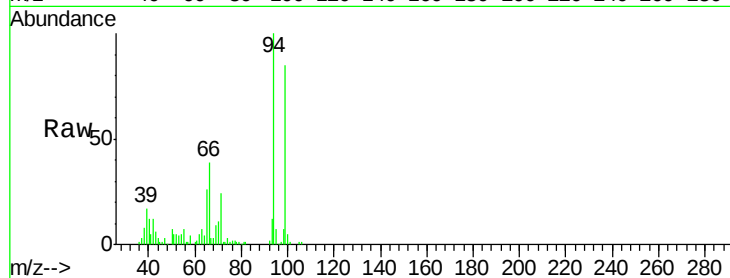
Tot Ion: 94 Resp: 107929

Ion Ratio Lower Upper

94 100

65 26.4 5.9 45.9

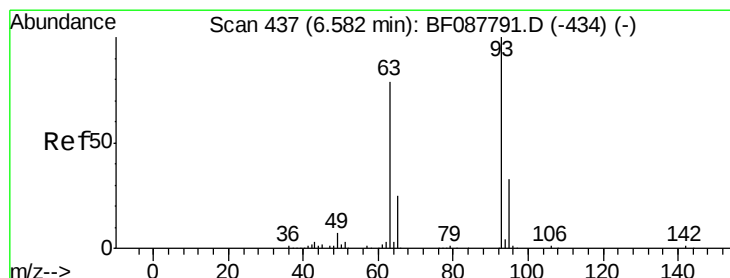
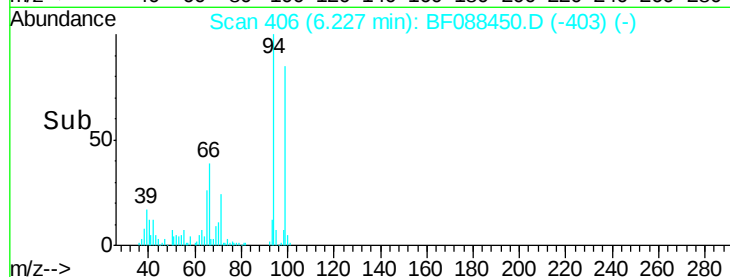
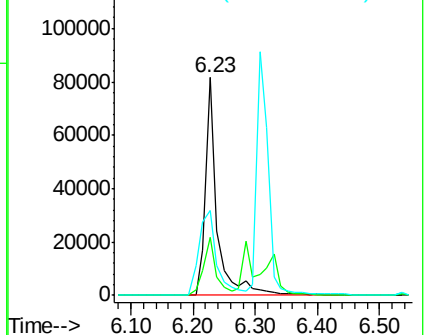
66 39.3 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 6.58 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

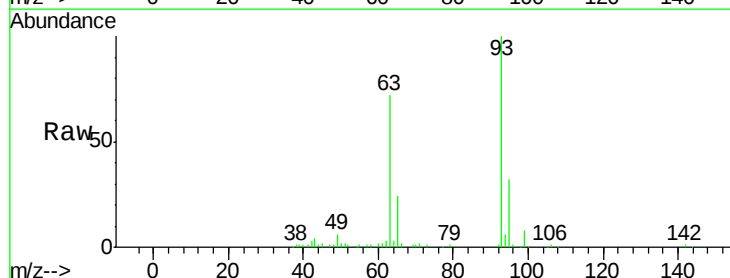
Tgt Ion: 93 Resp: 99398

Ion Ratio Lower Upper

93 100

63 72.0 67.6 107.6

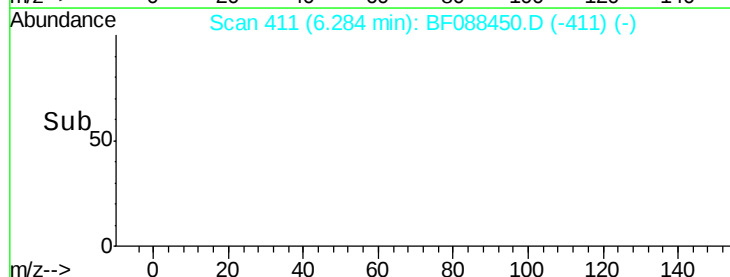
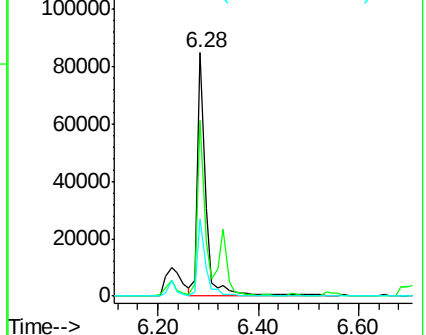
95 31.7 12.5 52.5

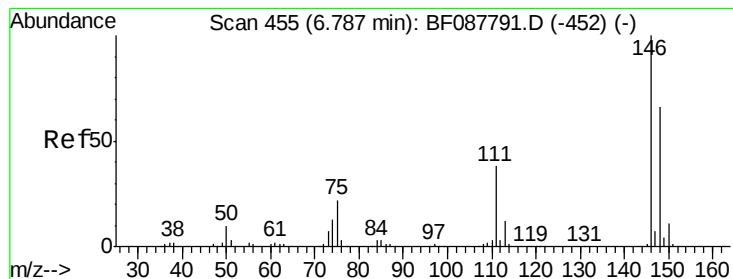


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 5.30 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.08 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

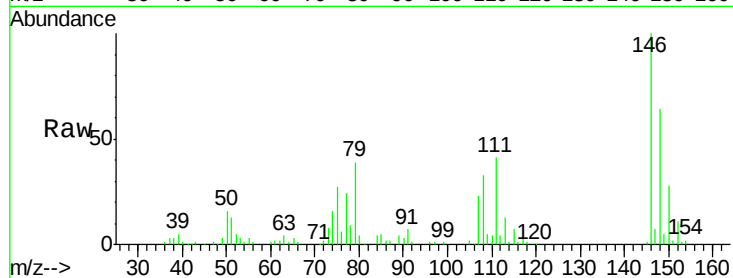
Tot Ion:146 Resp: 95734

Ion Ratio Lower Upper

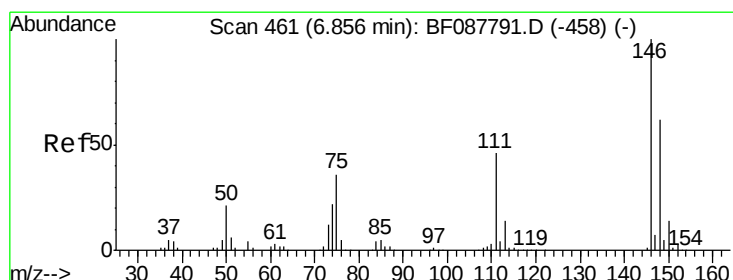
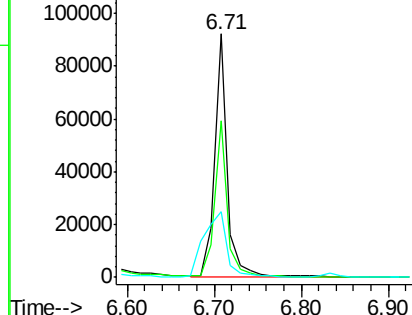
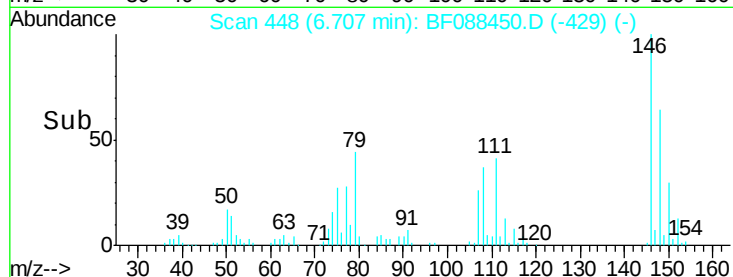
146 100

148 64.3 50.9 76.3

75 26.8 25.6 38.4



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



#13

1,4-Dichlorobenzene

Concen: 5.27 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.15 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

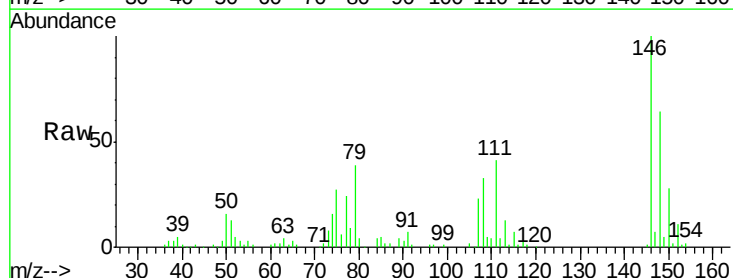
Tgt Ion:146 Resp: 95734

Ion Ratio Lower Upper

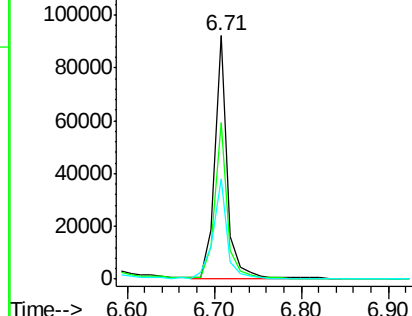
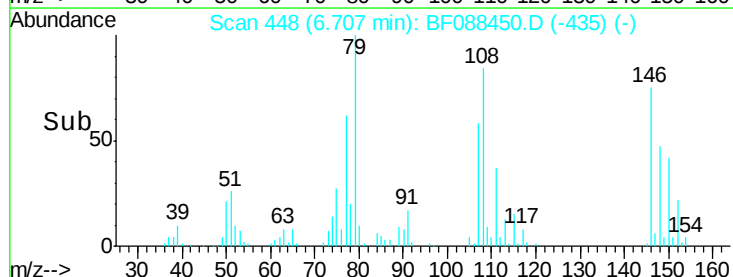
146 100

148 64.3 52.0 78.0

111 41.2 33.8 50.8



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





#14

1,2-Dichlorobenzene

Concen: 5.79 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

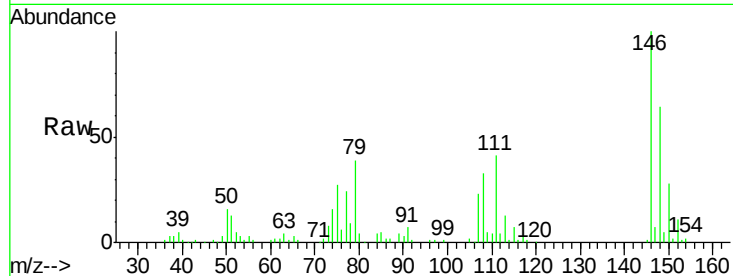
Tot Ion:146 Resp: 95734

Ion Ratio Lower Upper

146 100

148 64.3 52.3 78.5

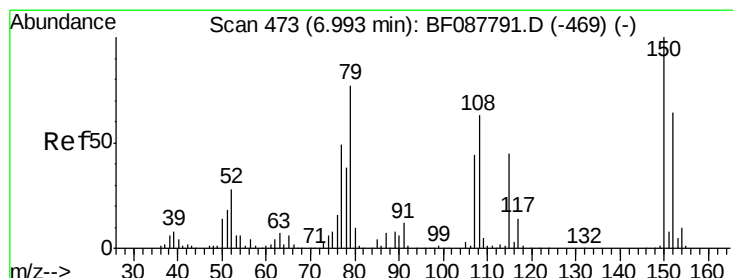
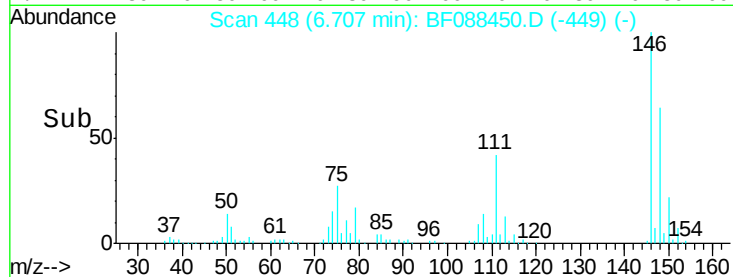
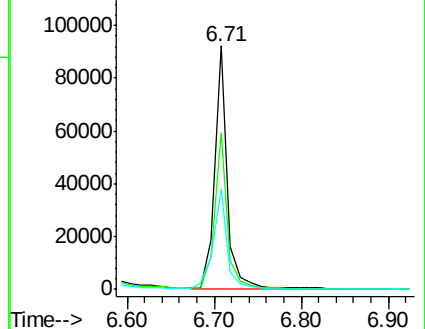
111 41.2 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 5.55 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

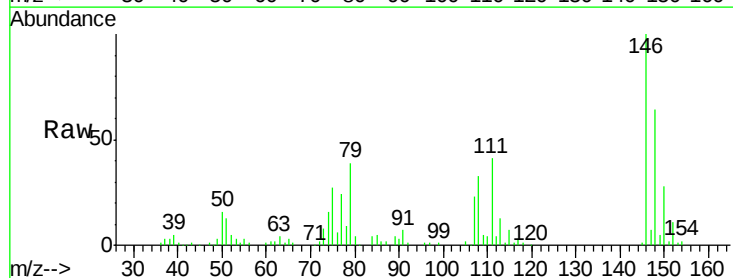
Tgt Ion: 79 Resp: 74725

Ion Ratio Lower Upper

79 100

108 84.6 65.0 97.6

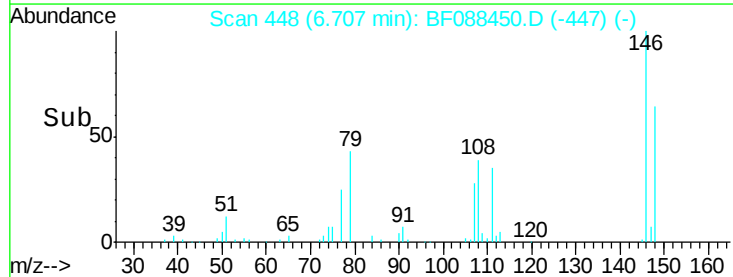
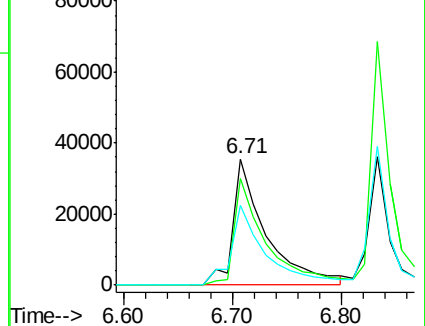
77 63.5 50.3 75.5

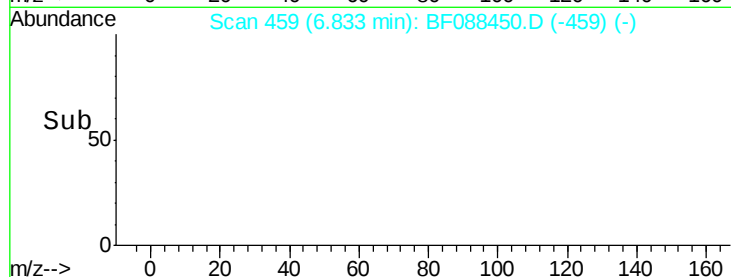
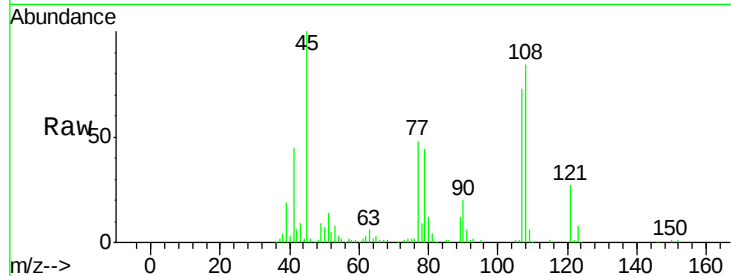
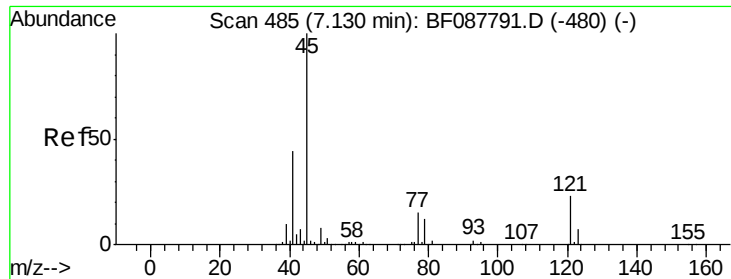


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

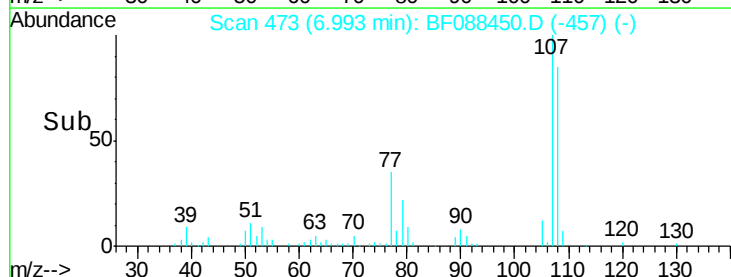
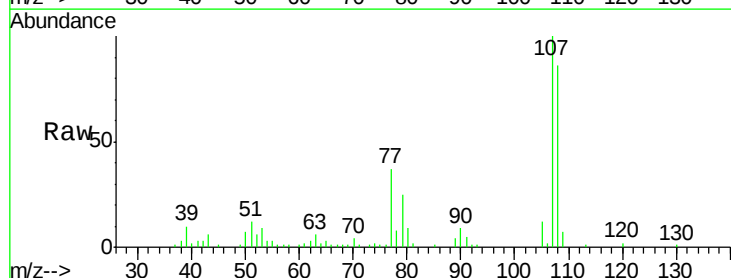
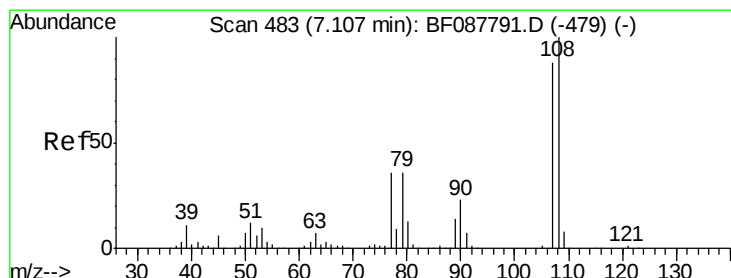
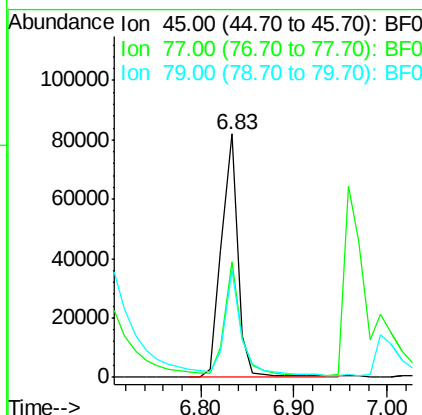




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 4.95 ng
RT: 6.83 min Scan# 459
Delta R.T. -0.30 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

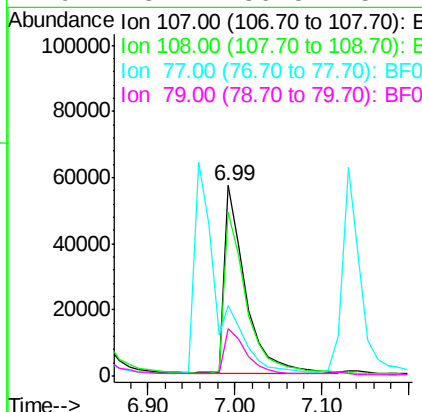
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

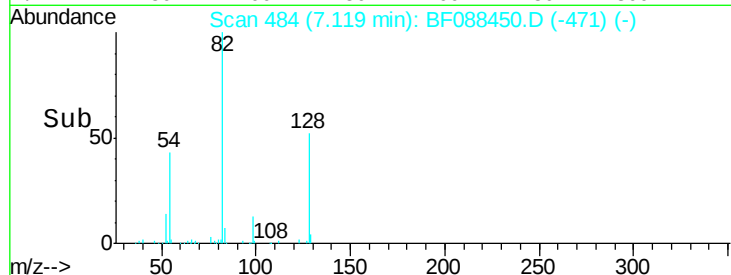
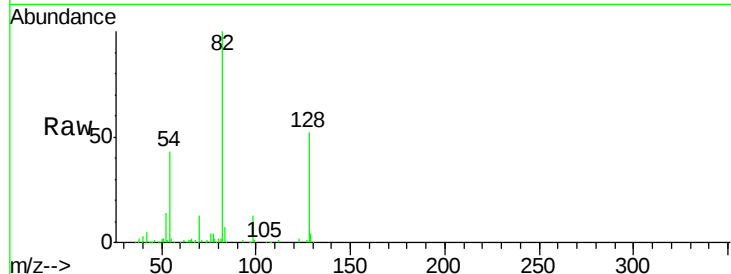
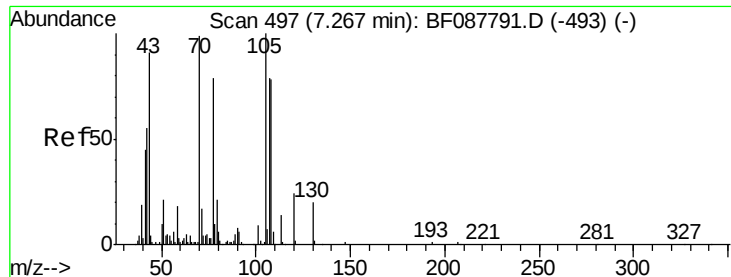
Tot Ion: 45 Resp: 101034
Ion Ratio Lower Upper
45 100
77 47.6 0.0 32.5#
79 44.2 0.0 29.5#



#17
2-Methylphenol
Concen: 7.07 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.11 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion: 107 Resp: 96427
Ion Ratio Lower Upper
107 100
108 85.9 90.9 136.3#
77 37.1 36.6 55.0
79 25.1 36.5 54.7#

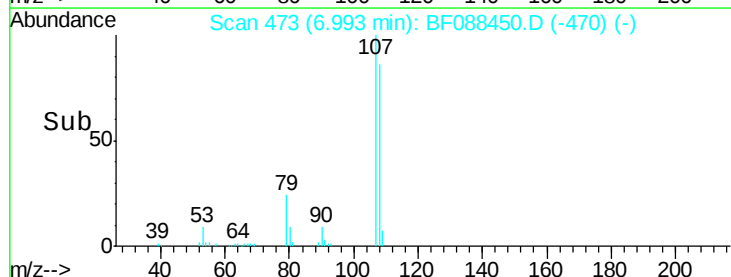
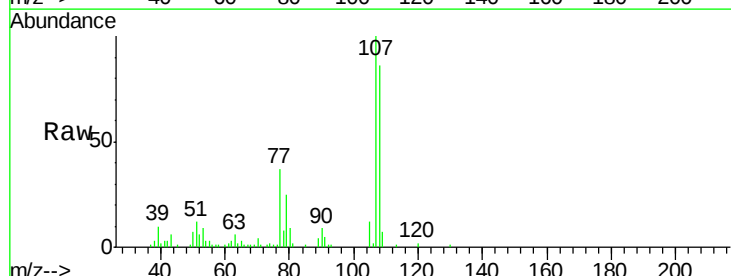
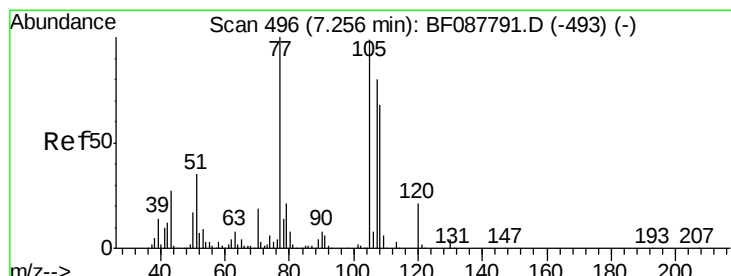
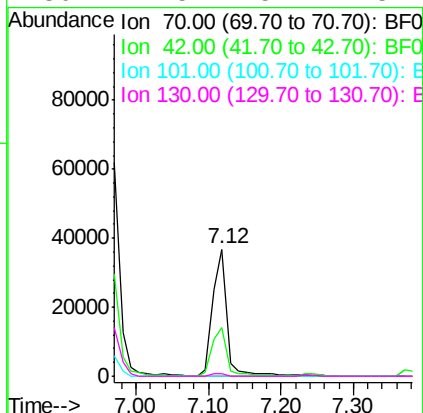




#19
n-Nitroso-di-n-propylamine
Concen: 4.61 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.15 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

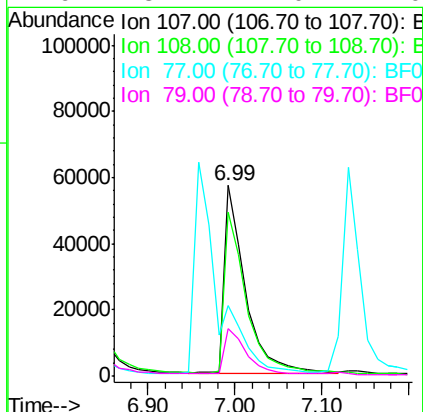
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

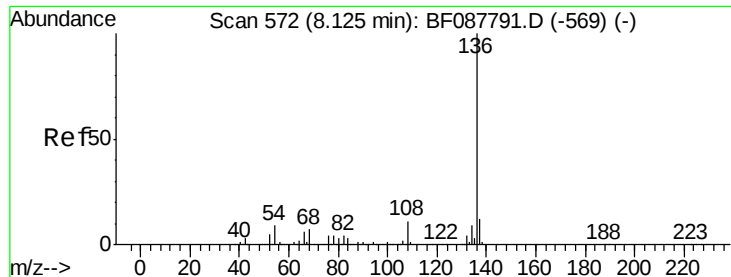
Tot Ion: 70 Resp: 50789
Ion Ratio Lower Upper
70 100
42 38.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#20
3+4-Methylphenols
Concen: 6.03 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.26 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:107 Resp: 95989
Ion Ratio Lower Upper
107 100
108 85.9 67.8 107.8
77 37.1 59.3 99.3#
79 25.1 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

Tot Ion:136 Resp: 272771

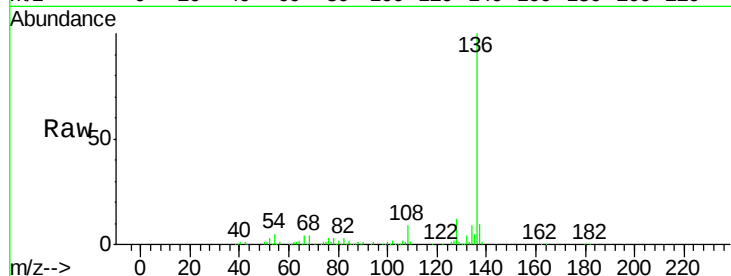
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.0 6.6 10.0#

68 4.4 5.1 7.7#

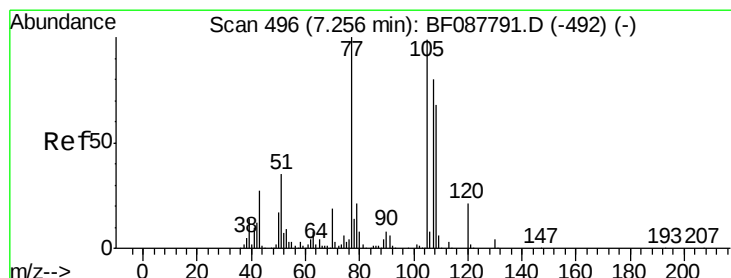
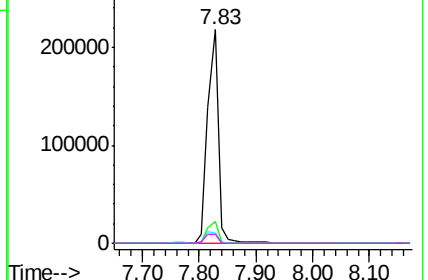
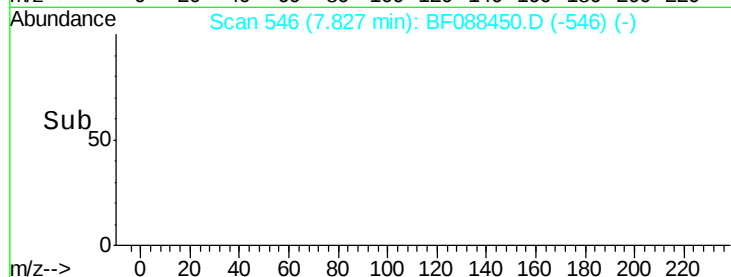


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 23.11 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Tgt Ion:105 Resp: 140846

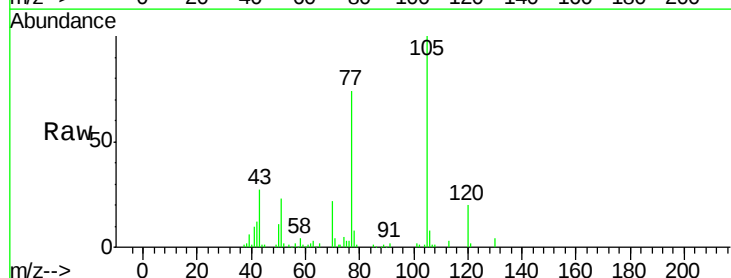
Ion Ratio Lower Upper

105 100

71 3.9 5.3 7.9#

51 23.2 18.2 27.4

120 20.4 18.0 27.0

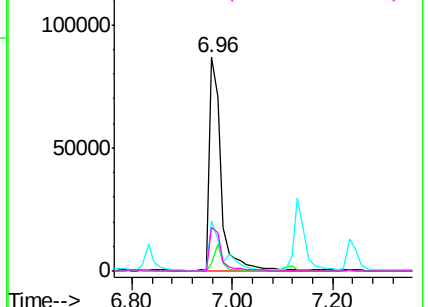
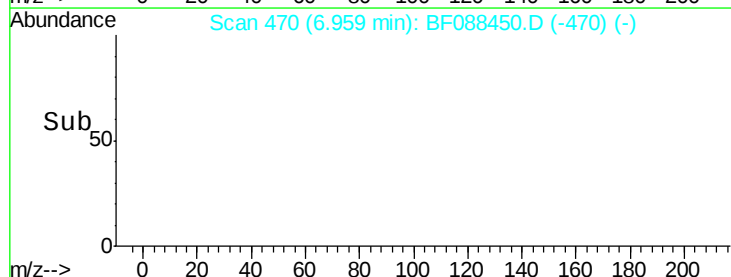


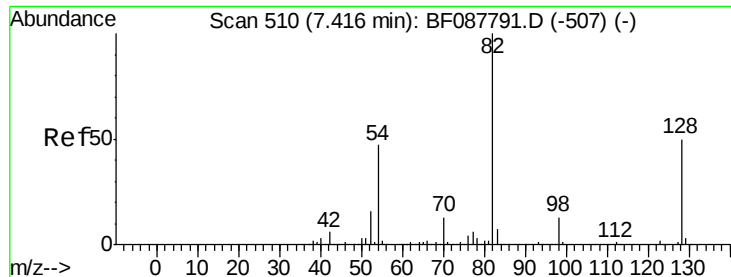
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

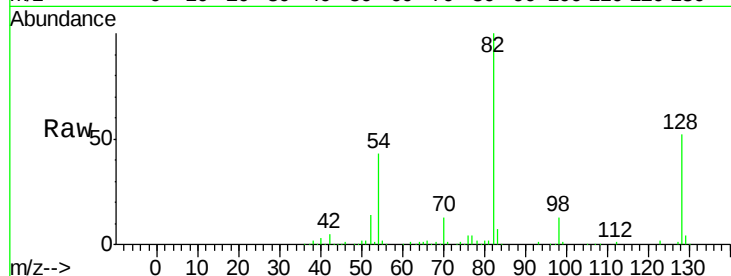




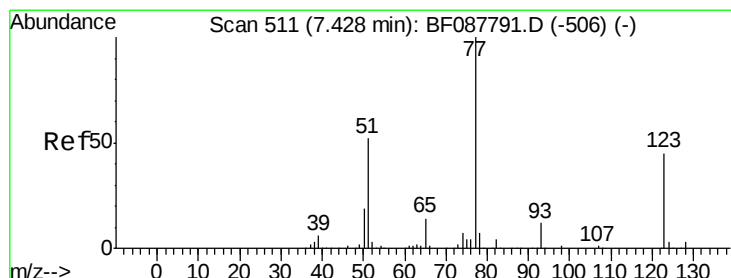
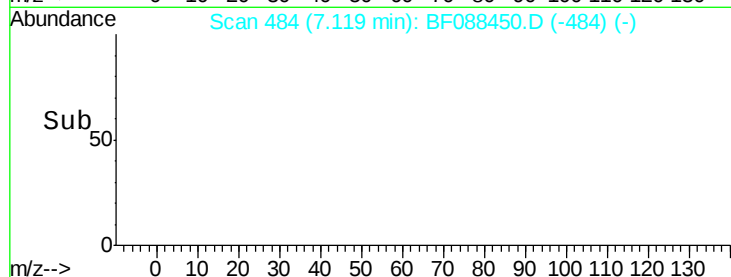
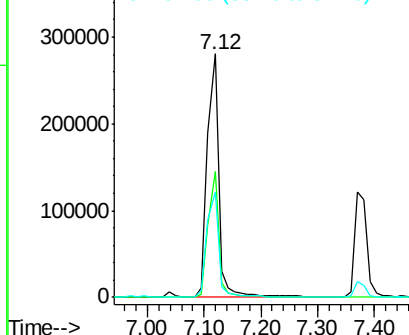
#23
 Nitrobenzene-d5
 Concen: 82.01 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.30 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion: 82 Resp: 383090
 Ion Ratio Lower Upper
 82 100
 128 51.7 35.9 53.9
 54 43.1 40.9 61.3

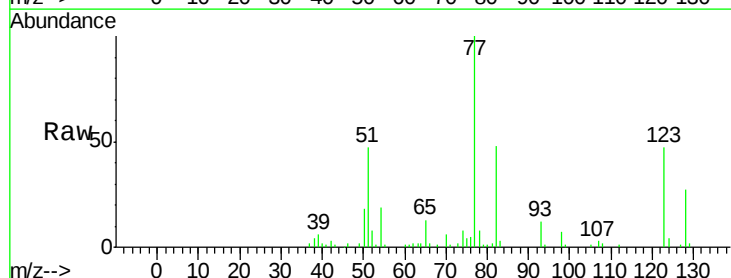


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

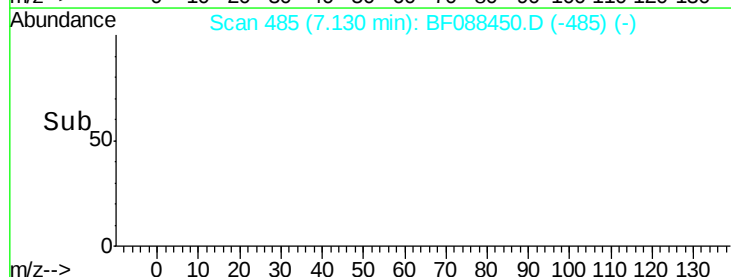
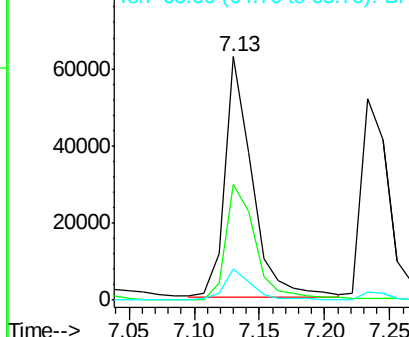


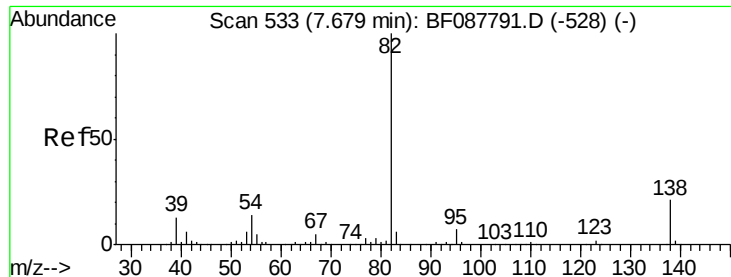
#24
 Nitrobenzene
 Concen: 20.21 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.30 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion: 77 Resp: 91434
 Ion Ratio Lower Upper
 77 100
 123 47.5 45.0 67.4
 65 12.8 10.2 15.2



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





#25

Isophorone

Concen: 20.74 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

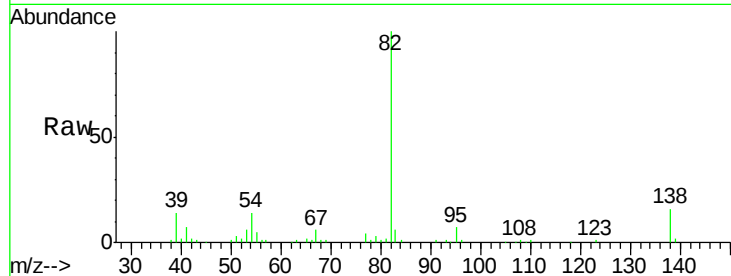
Tot Ion: 82 Resp: 179434

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

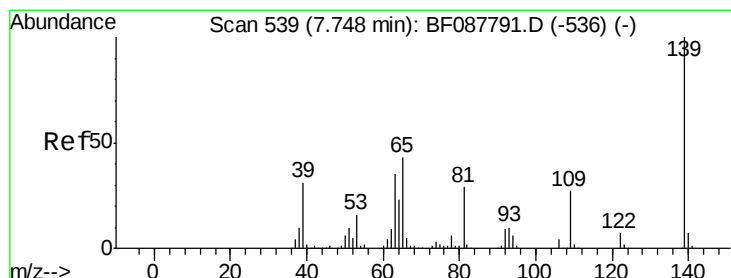
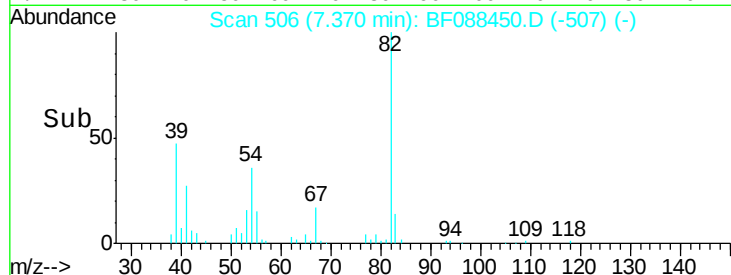
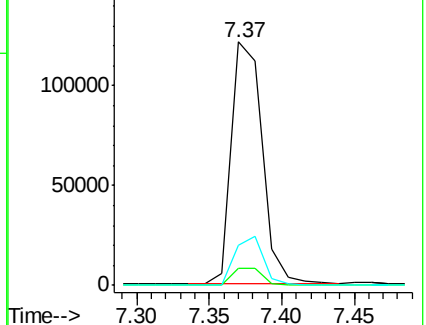
138 16.2 14.6 21.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 22.31 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

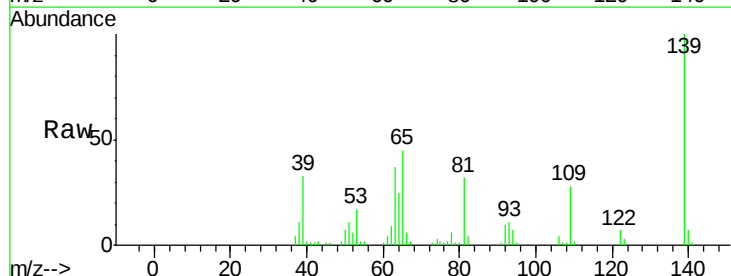
Tgt Ion: 139 Resp: 54079

Ion Ratio Lower Upper

139 100

109 27.6 23.0 34.4

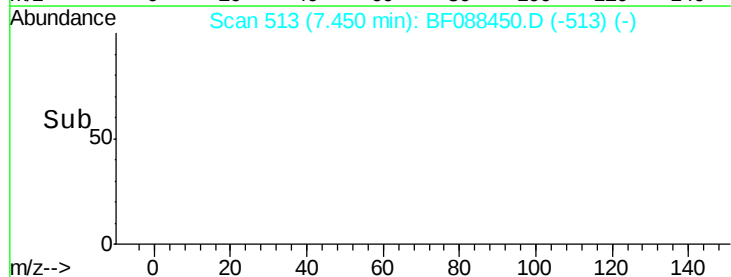
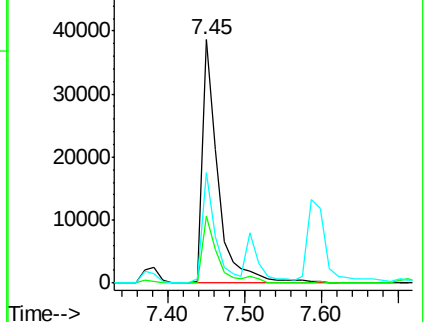
65 45.5 45.8 68.8#

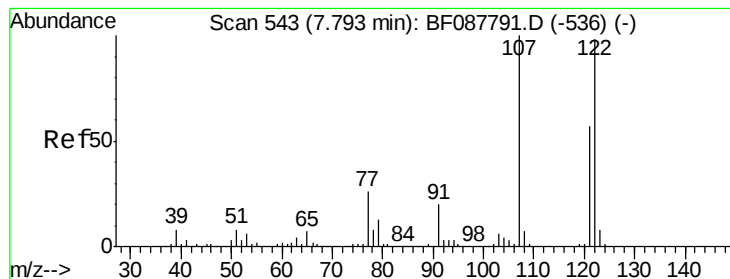


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 20.41 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

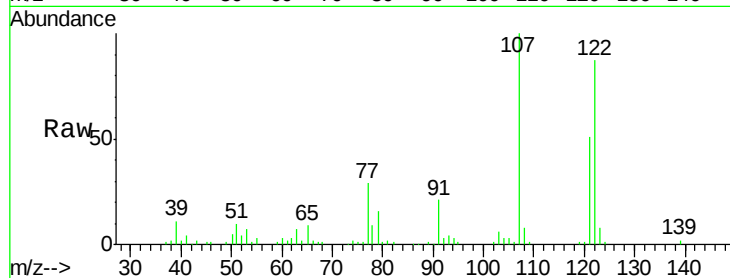
Tot Ion:122 Resp: 91086

Ion Ratio Lower Upper

122 100

107 115.2 82.4 123.6

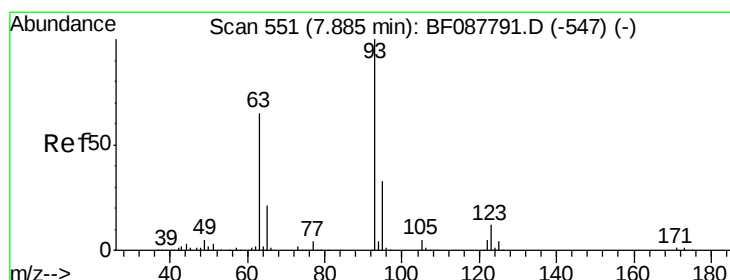
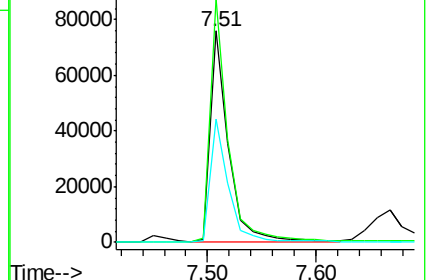
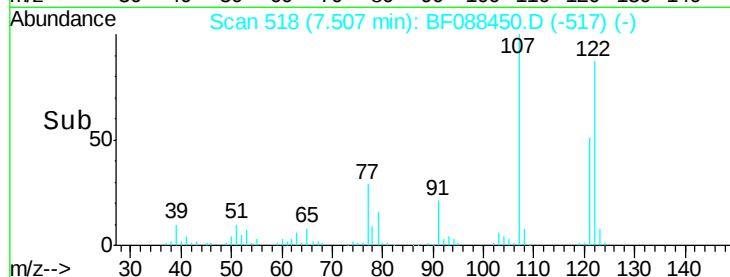
121 58.3 46.3 69.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.04 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

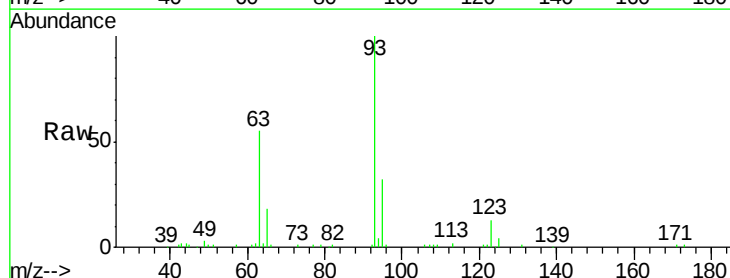
Tgt Ion: 93 Resp: 112901

Ion Ratio Lower Upper

93 100

95 32.3 26.5 39.7

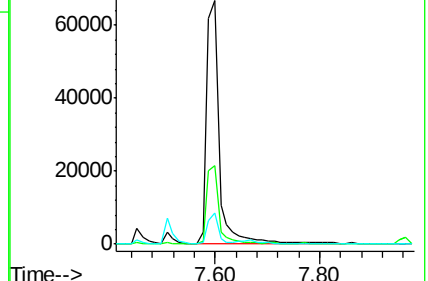
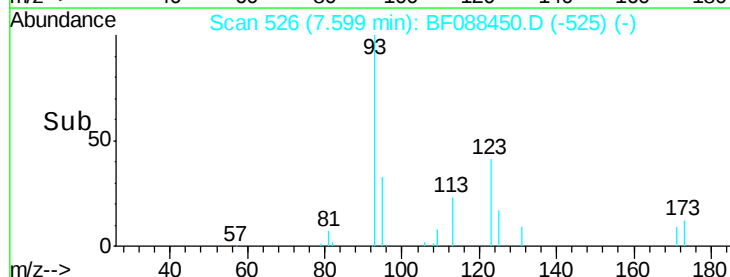
123 12.8 11.6 17.4

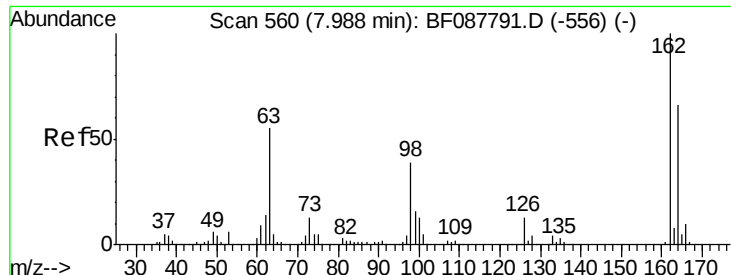


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

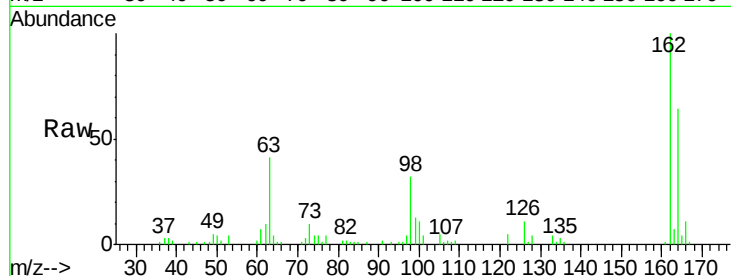




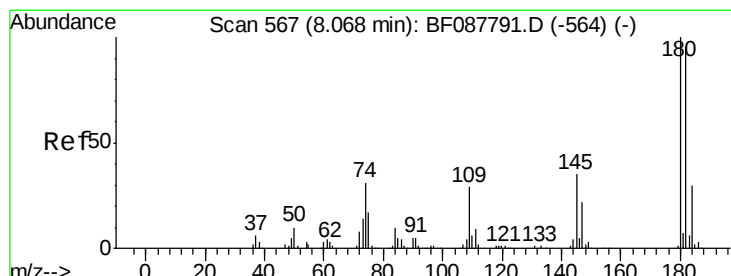
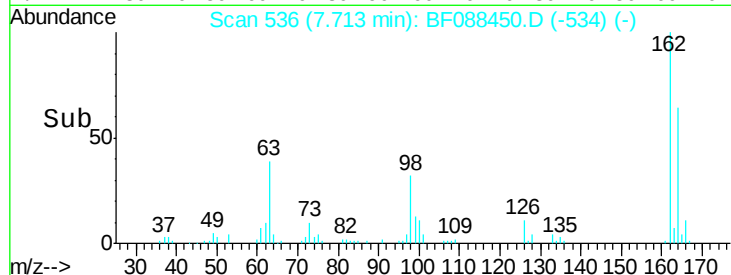
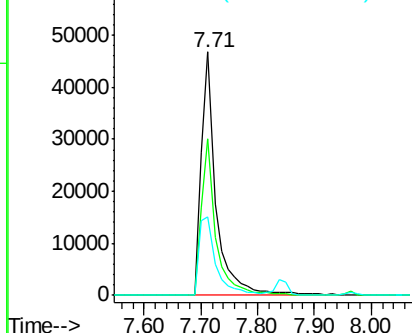
#29
 2,4-Dichlorophenol
 Concen: 22.00 ng
 RT: 7.71 min Scan# 536
 Delta R.T. -0.27 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.8	83.8
98	32.0	21.3	61.3

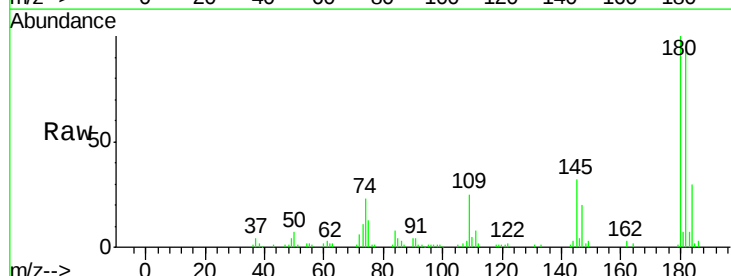


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

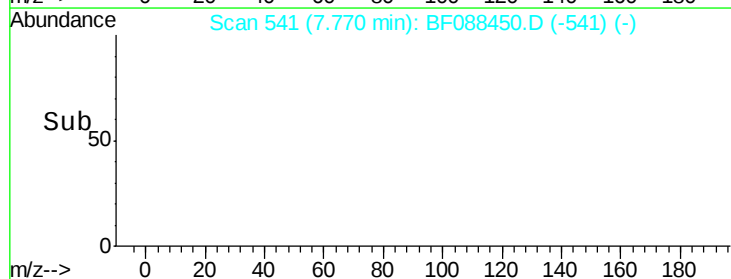
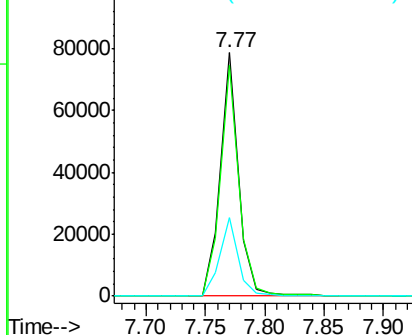


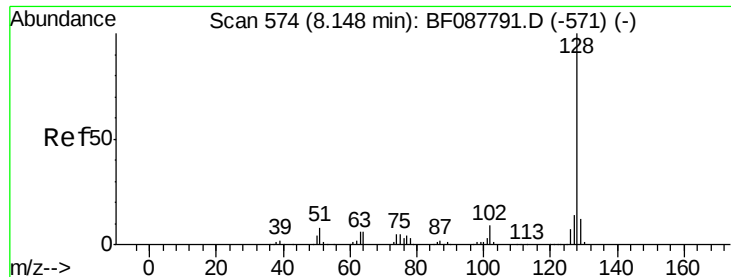
#30
 1,2,4-Trichlorobenzene
 Concen: 20.61 ng
 RT: 7.77 min Scan# 541
 Delta R.T. -0.30 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	32.4	26.5	39.7



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





#31

Naphthalene

Concen: 24.03 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

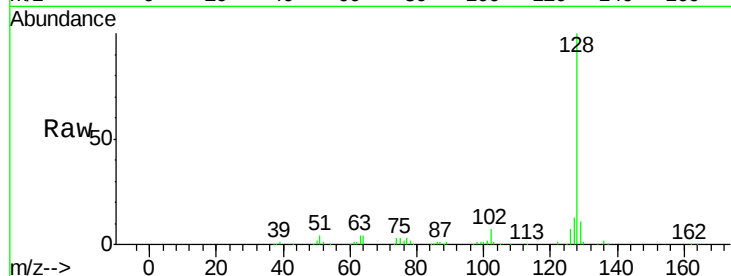
Tot Ion:128 Resp: 324317

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.2

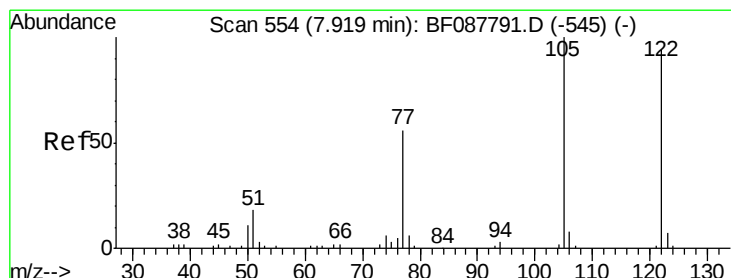
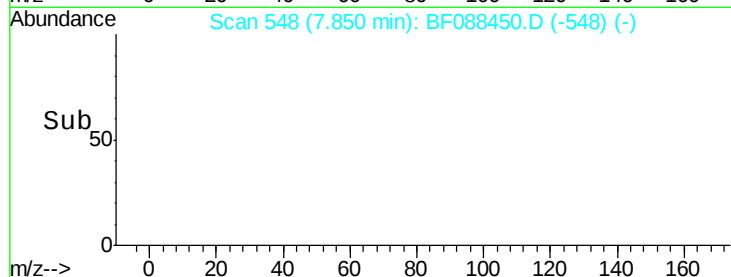
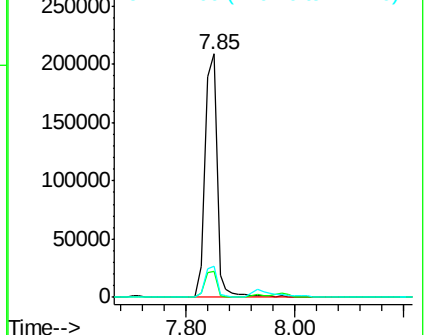
127 13.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.86 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.25 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

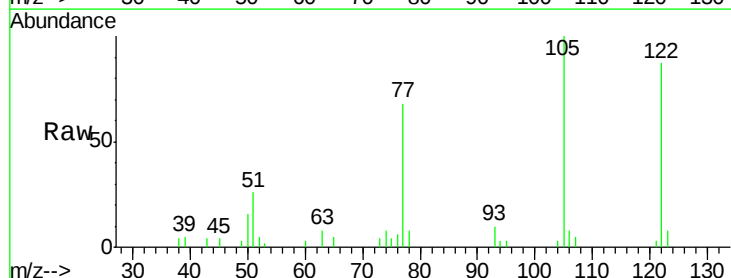
Tgt Ion:122 Resp: 29136

Ion Ratio Lower Upper

122 100

105 115.1 101.6 141.6

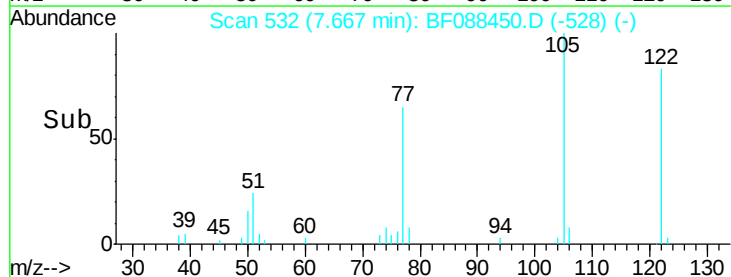
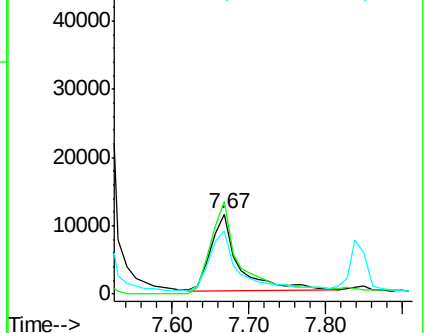
77 78.3 70.6 110.6

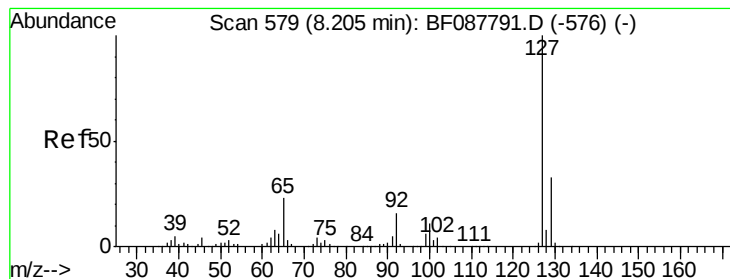


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 3.81 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.27 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

Tot Ion:127 Resp: 22941

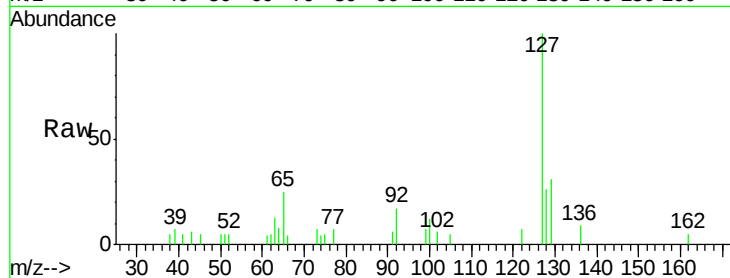
Ion Ratio Lower Upper

127 100

129 30.7 26.3 39.5

65 25.2 24.7 37.1

92 17.2 15.4 23.0

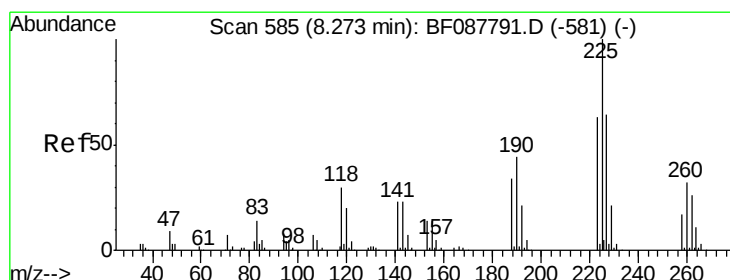
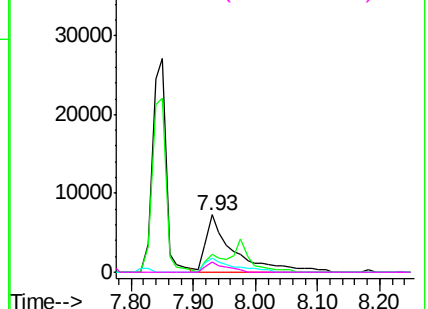
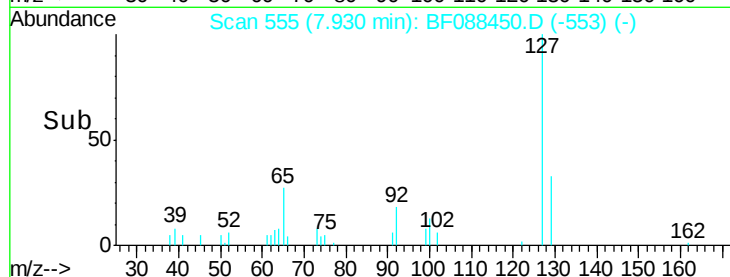


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 20.97 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

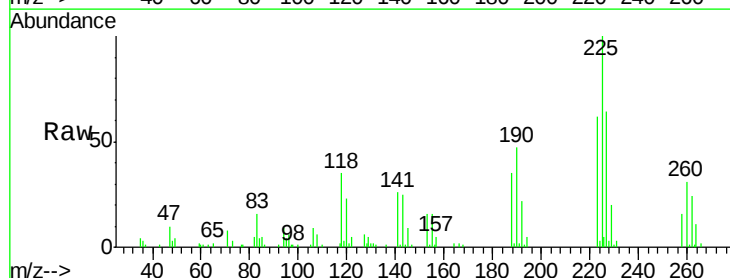
Tgt Ion:225 Resp: 44862

Ion Ratio Lower Upper

225 100

223 62.3 50.9 76.3

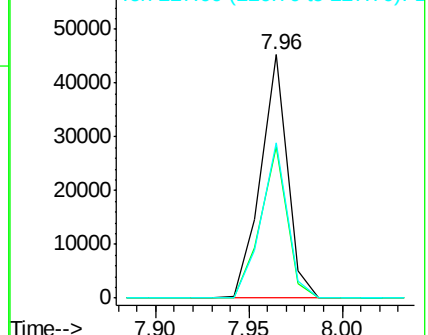
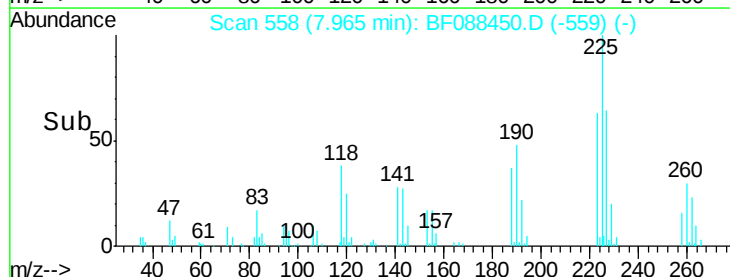
227 63.7 51.9 77.9

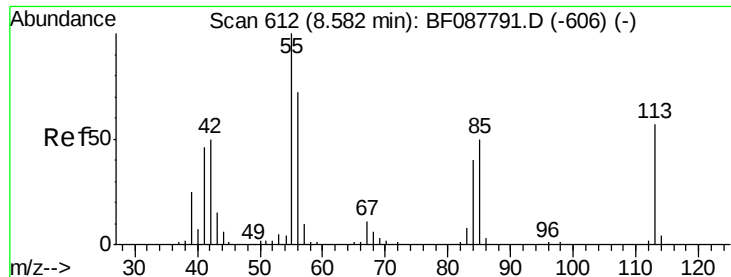


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

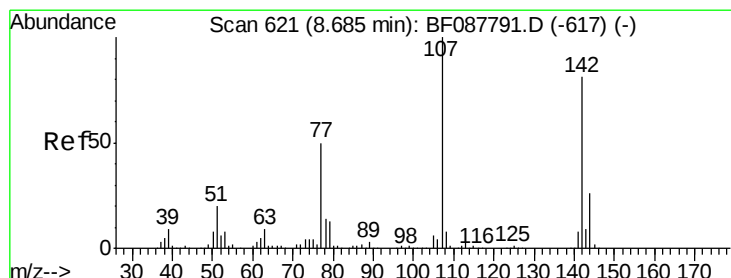
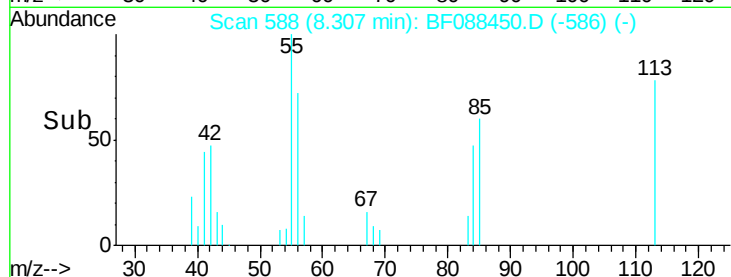
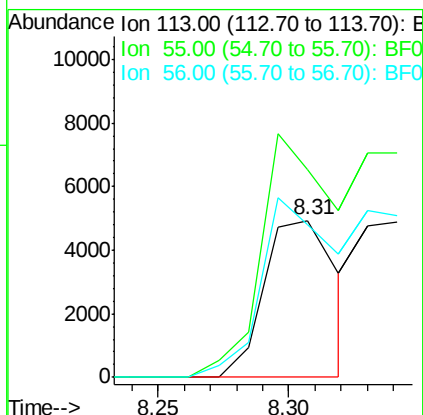
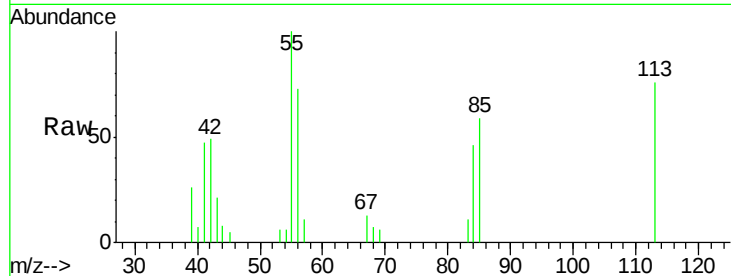




#35
 Caprolactam
 Concen: 7.72 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.27 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

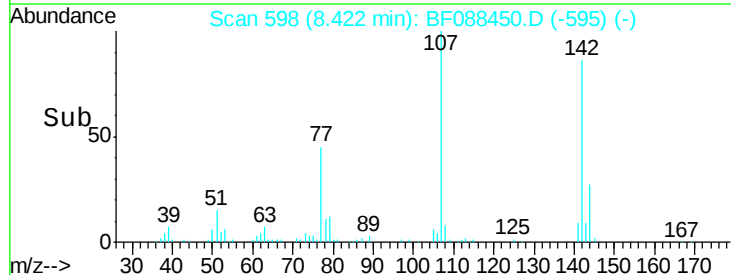
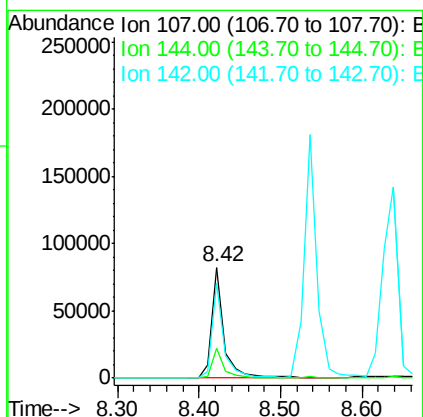
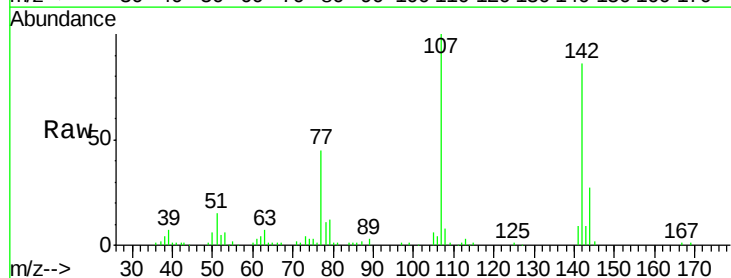
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

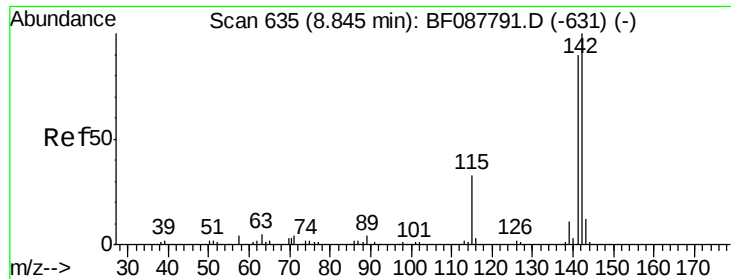
Tot Ion:113 Resp: 9524
 Ion Ratio Lower Upper
 113 100
 55 132.4 158.6 198.6#
 56 97.0 110.6 150.6#



#36
 4-Chloro-3-methylphenol
 Concen: 22.55 ng
 RT: 8.42 min Scan# 598
 Delta R.T. -0.26 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion:107 Resp: 89850
 Ion Ratio Lower Upper
 107 100
 144 27.4 20.8 31.2
 142 85.9 63.4 95.2

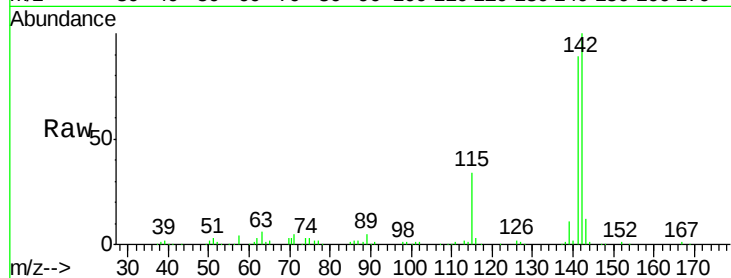




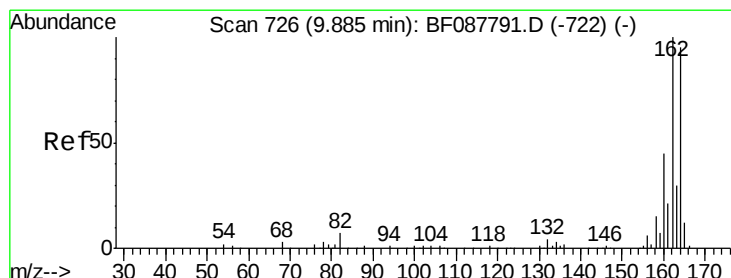
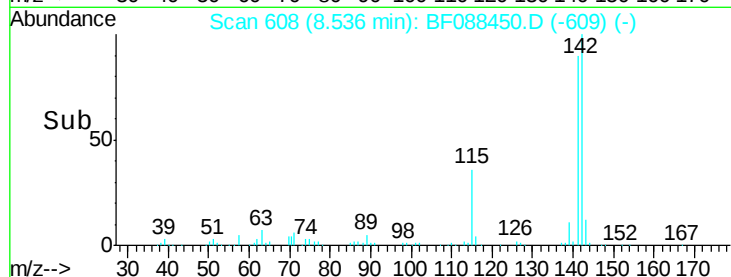
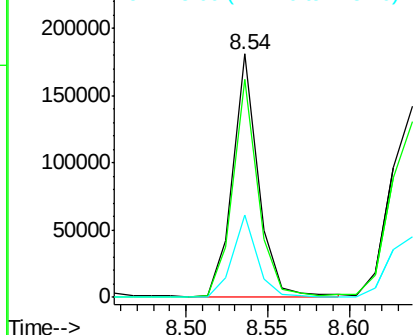
#37
2-Methylnaphthalene
Concen: 22.14 ng
RT: 8.54 min Scan# 608
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	33.7	22.6	33.8

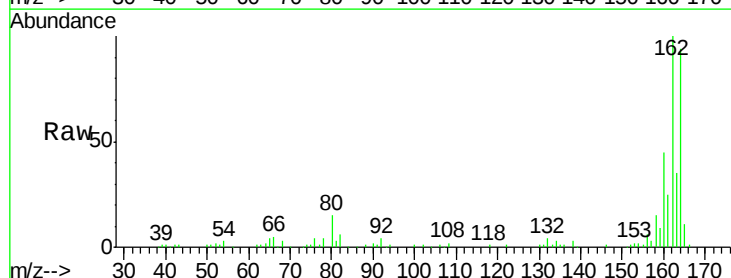


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

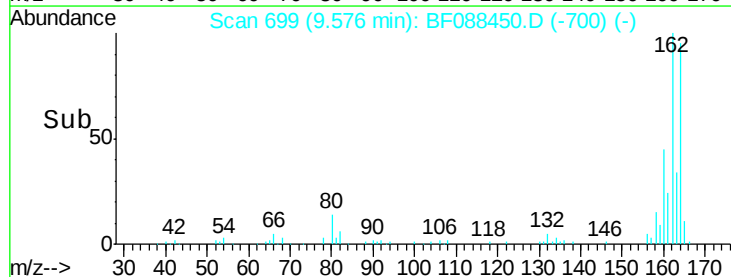
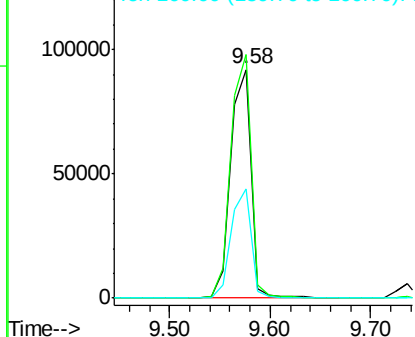


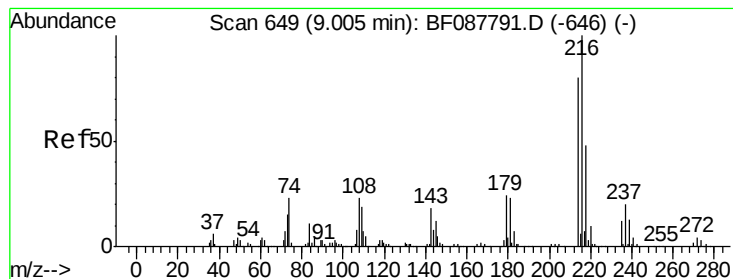
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	85.4	128.2
160	47.8	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 21.20 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

Tot Ion:216 Resp: 84983

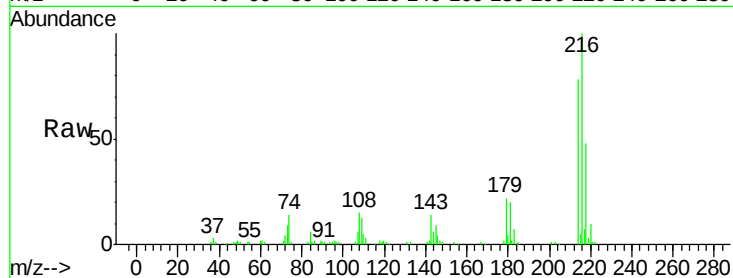
Ion Ratio Lower Upper

216 100

214 79.3 2.9 4.3#

179 21.7 0.0 0.0#

108 20.9 0.5 0.7#

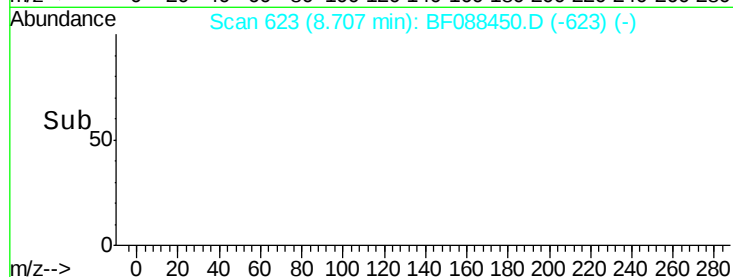


Abundance Ion 216.00 (215.70 to 216.70): E

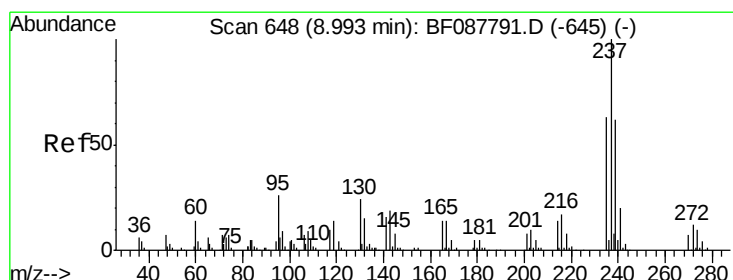
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 10.74 ng

RT: 8.68 min Scan# 621

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

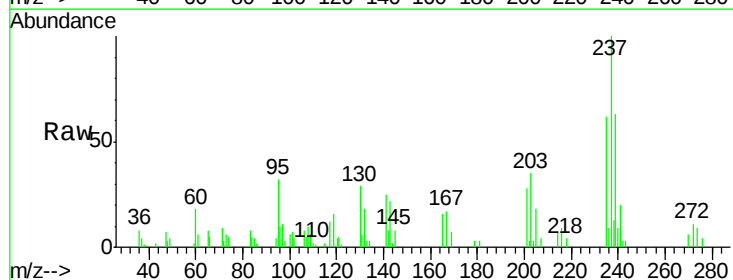
Tgt Ion:237 Resp: 22408

Ion Ratio Lower Upper

237 100

235 62.0 43.4 83.4

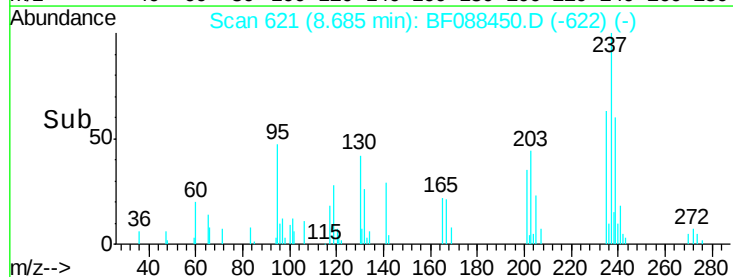
272 10.6 0.0 32.3



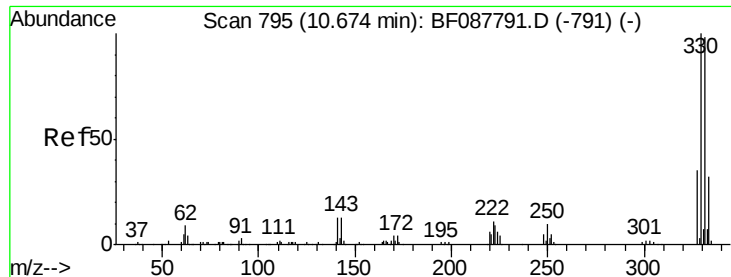
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



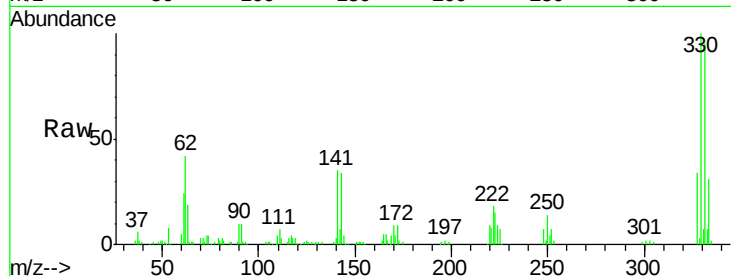
Time-->



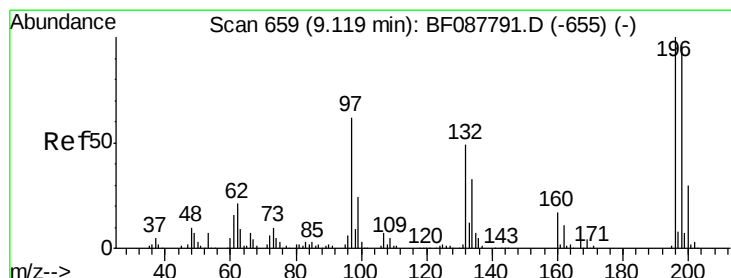
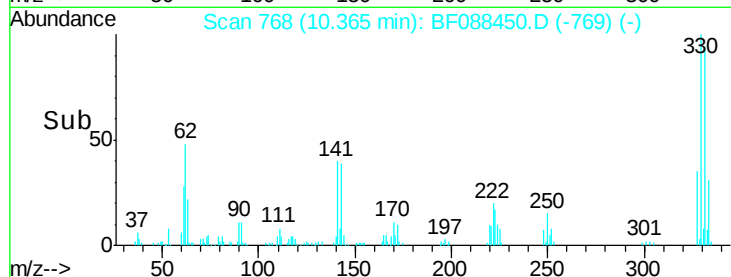
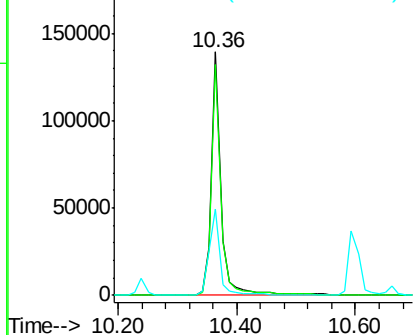
#41
 2,4,6-Tribromophenol
 Concen: 115.30 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	40.9	0.0	0.0#

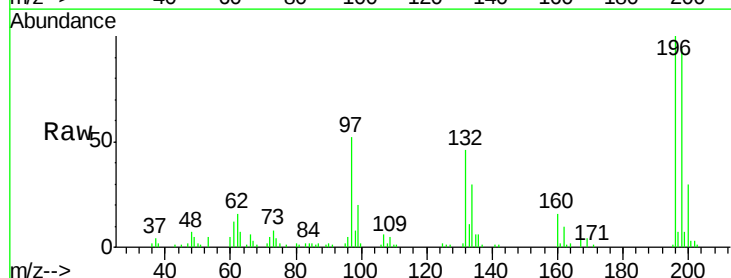


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

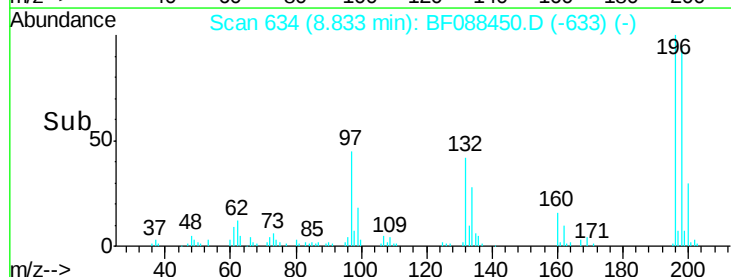
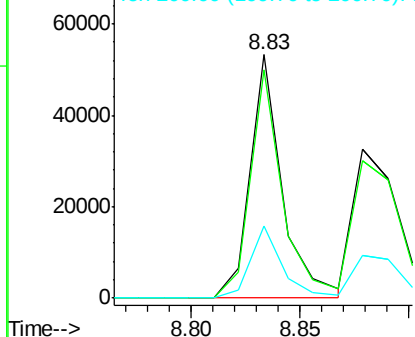


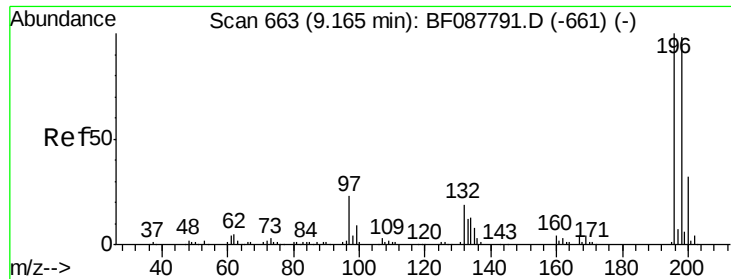
#42
 2,4,6-Trichlorophenol
 Concen: 21.11 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.29 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	78.0	117.0
200	29.7	25.4	38.2



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

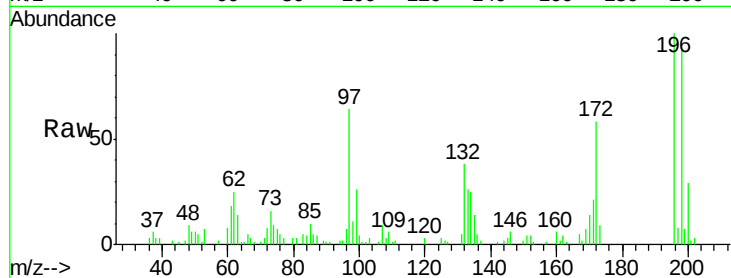




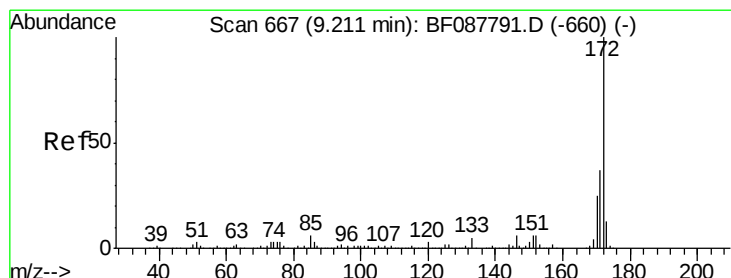
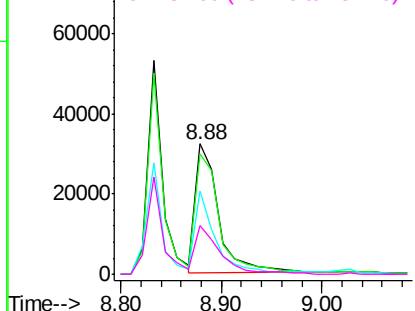
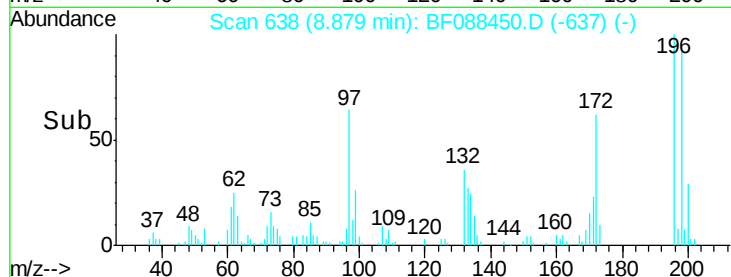
#43
 2,4,5-Trichlorophenol
 Concen: 19.63 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.29 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion:196 Resp: 52839
 Ion Ratio Lower Upper
 196 100
 198 92.2 77.5 116.3
 97 63.5 32.0 48.0#
 132 37.6 20.9 31.3#

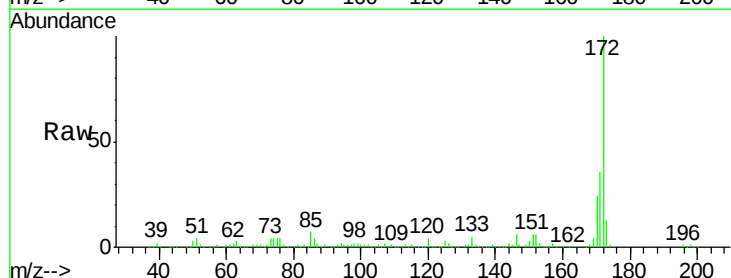


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

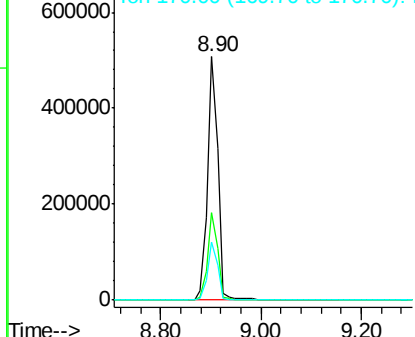
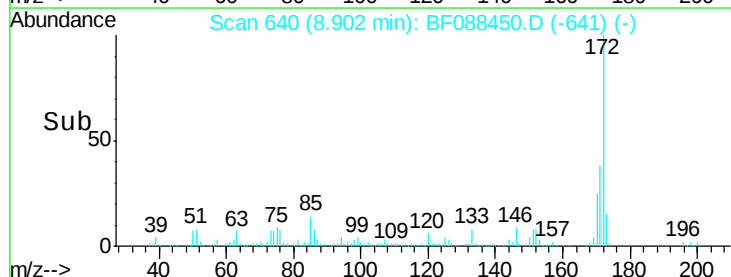


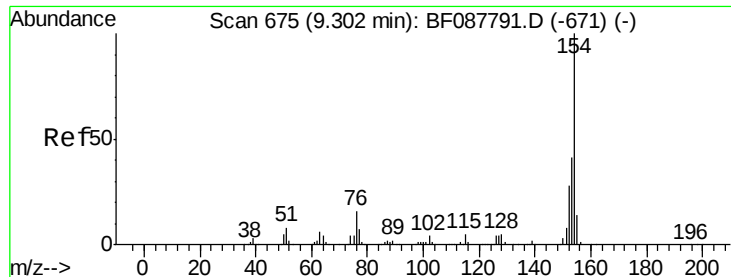
#44
 2-Fluorobiphenyl
 Concen: 88.76 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.31 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion:172 Resp: 729117
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.7 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: 23.37 ng

RT: 9.00 min Scan# 649

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

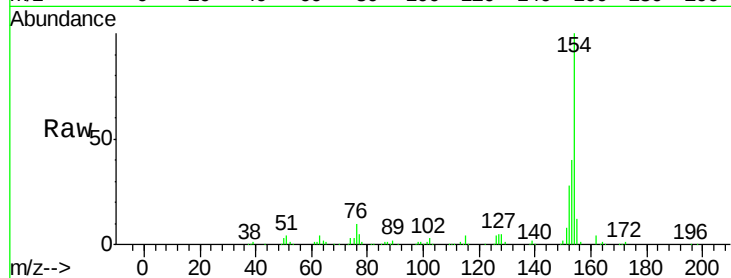
Tot Ion:154 Resp: 256005

Ion Ratio Lower Upper

154 100

153 40.3 20.6 60.6

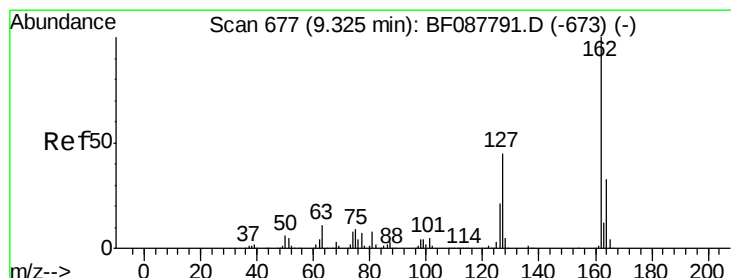
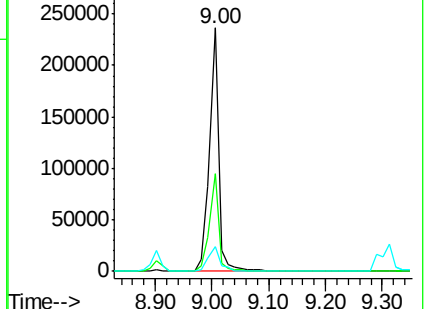
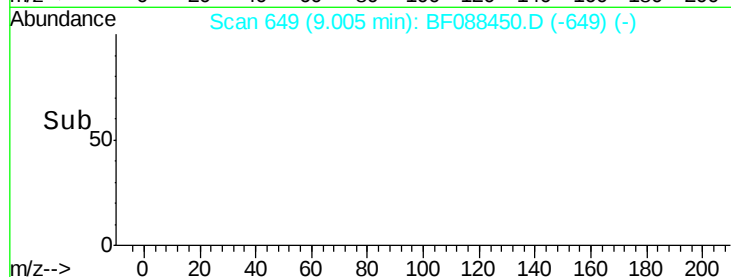
76 10.1 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 22.83 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

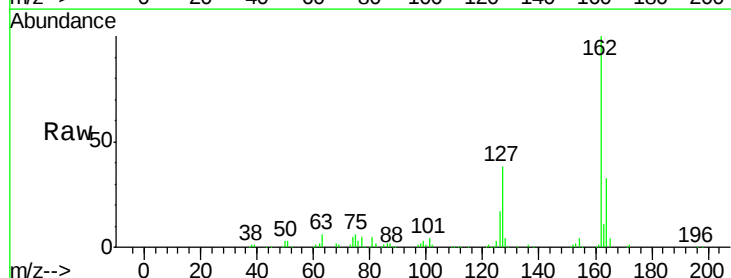
Tgt Ion:162 Resp: 191186

Ion Ratio Lower Upper

162 100

127 37.9 35.2 52.8

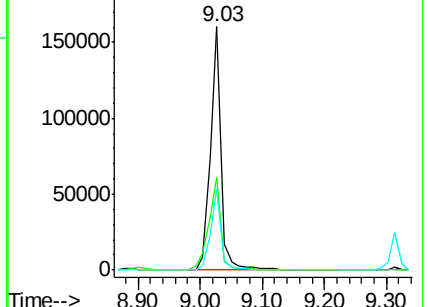
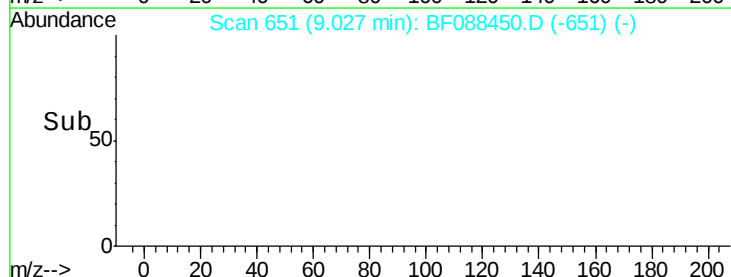
164 33.1 26.6 39.8

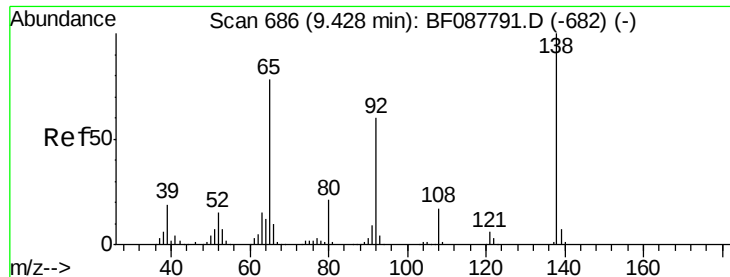


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

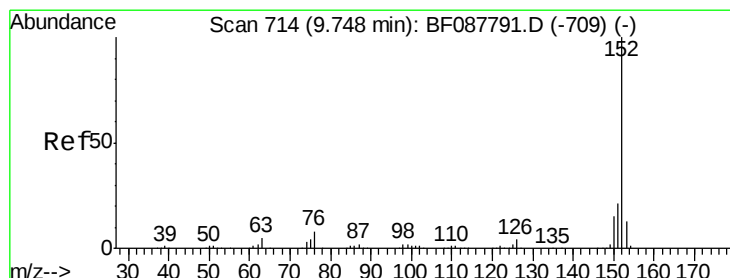
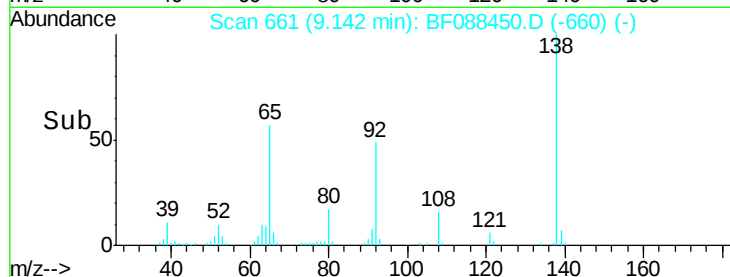
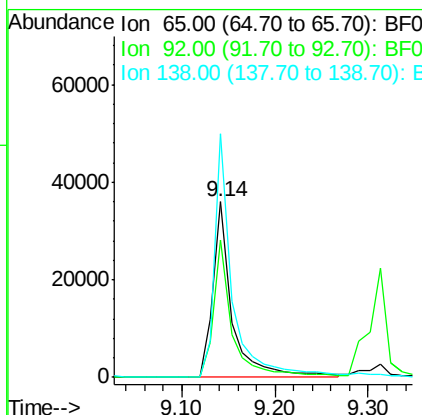
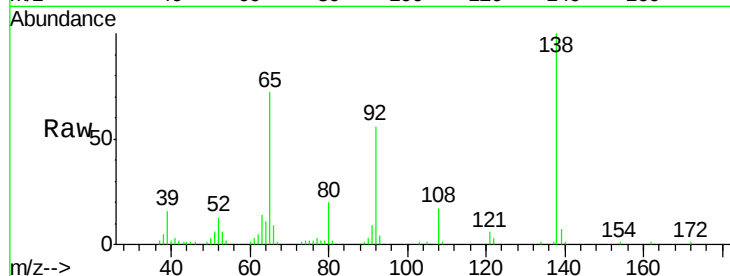




#47
2-Nitroaniline
Concen: 21.19 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.29 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

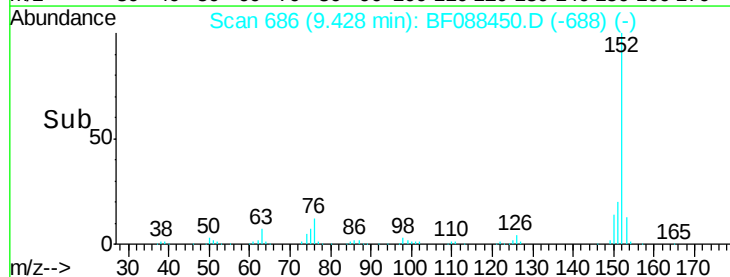
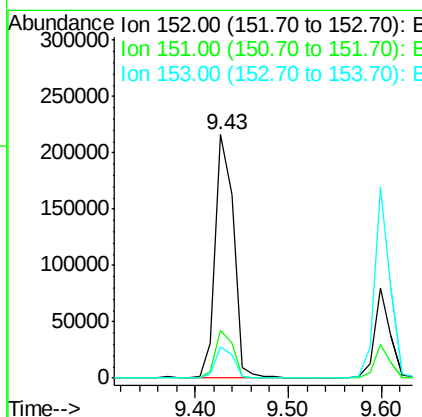
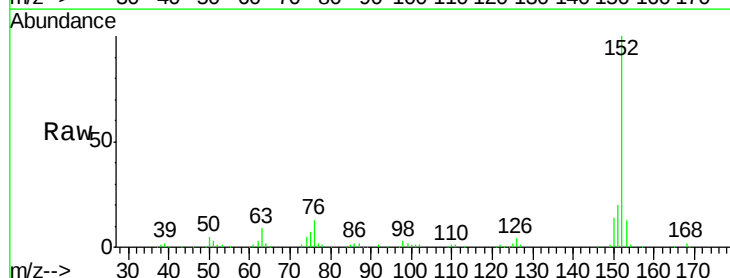
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

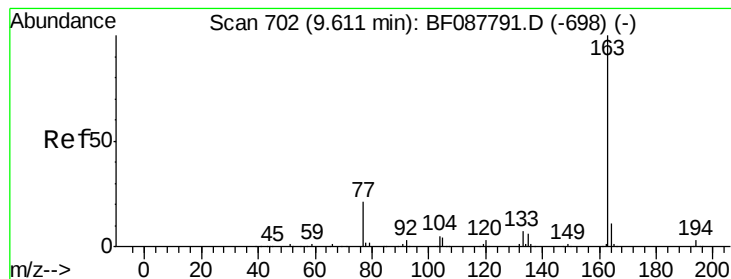
Tot Ion: 65 Resp: 52345
Ion Ratio Lower Upper
65 100
92 78.3 54.6 82.0
138 138.7 77.0 115.4#



#48
Acenaphthylene
Concen: 22.17 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.32 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion: 152 Resp: 295244
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 12.9 11.0 16.6





#49

Dimethylphthalate

Concen: 25.18 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

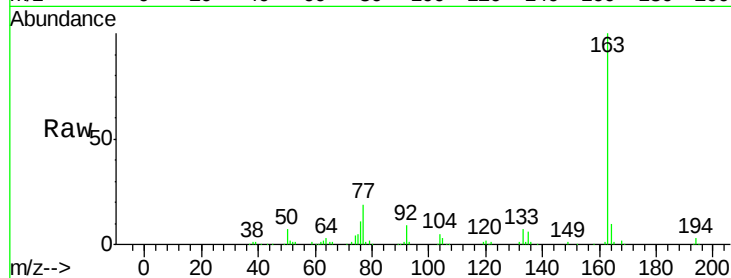
Tot Ion:163 Resp: 236059

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

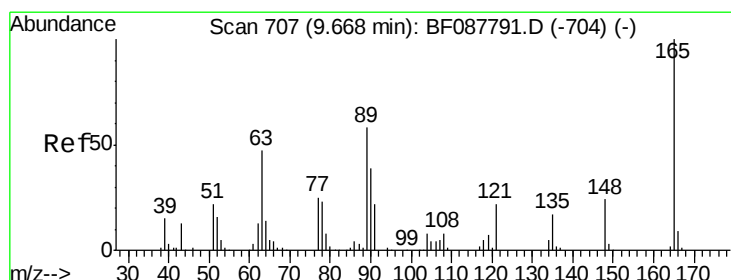
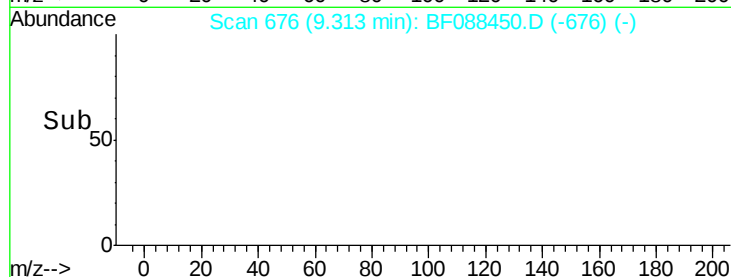
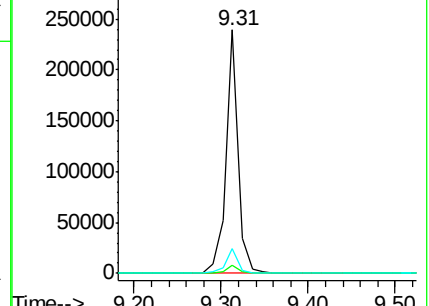
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 24.79 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

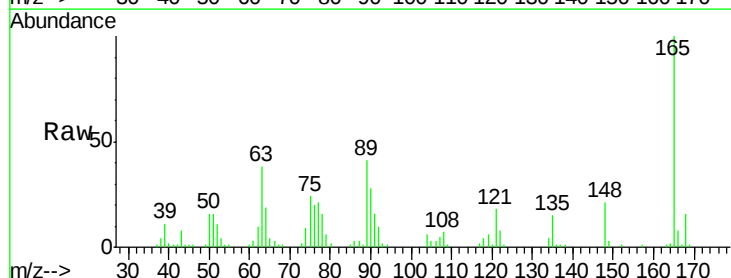
Tgt Ion:165 Resp: 53224

Ion Ratio Lower Upper

165 100

63 37.8 28.1 42.1

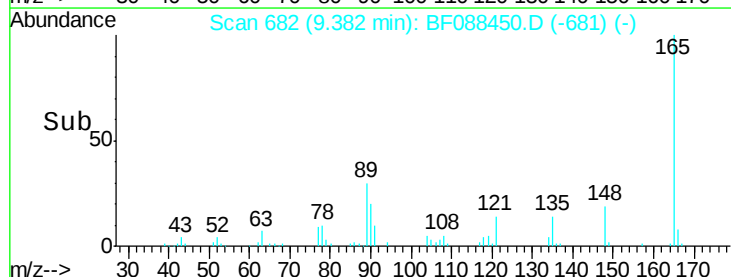
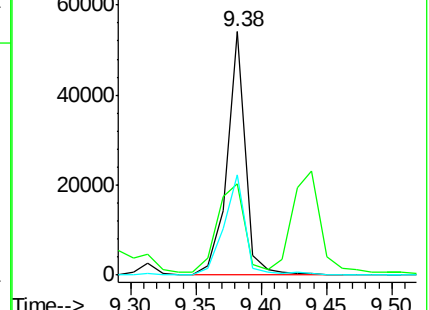
89 41.0 32.2 48.2

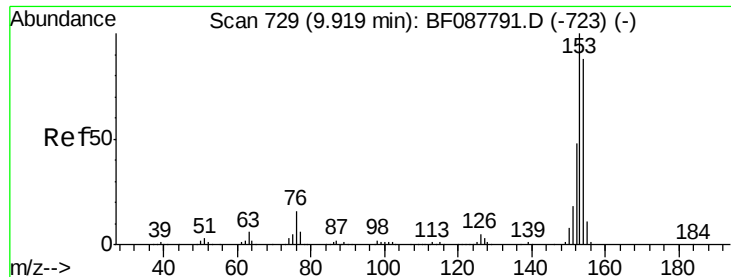


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.96 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.32 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

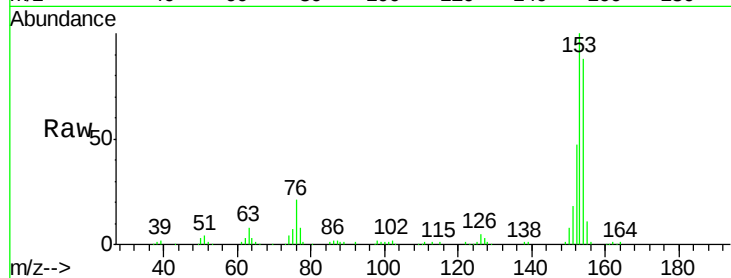
Tot Ion:154 Resp: 174170

Ion Ratio Lower Upper

154 100

153 113.3 89.5 134.3

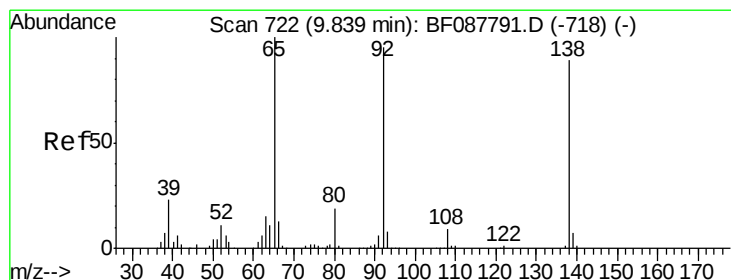
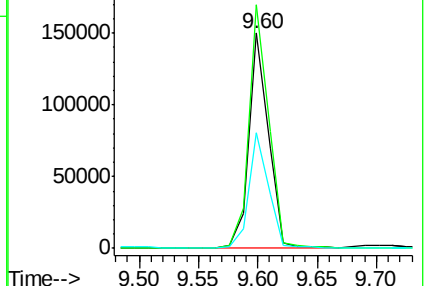
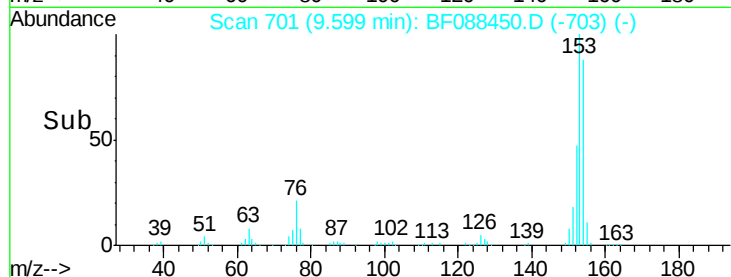
152 53.7 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 6.19 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.27 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

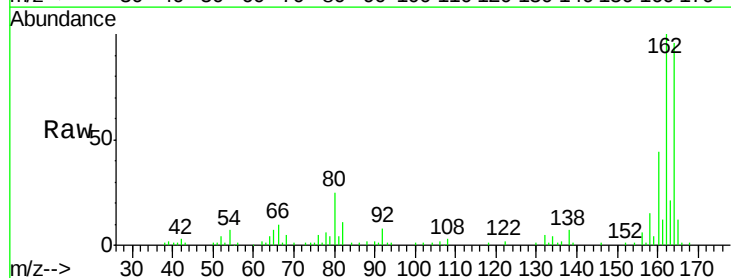
Tgt Ion:138 Resp: 15345

Ion Ratio Lower Upper

138 100

108 40.7 8.5 12.7#

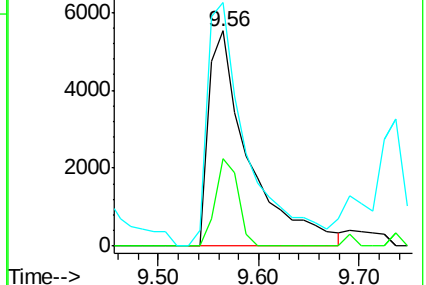
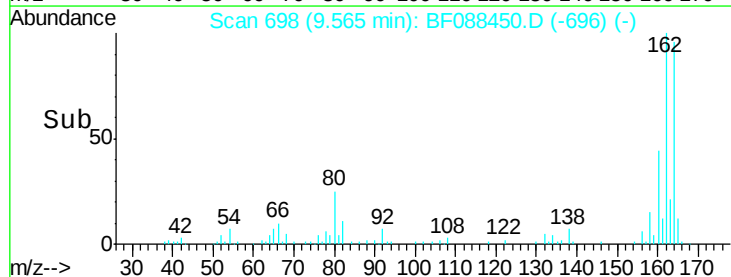
92 113.1 95.7 143.5

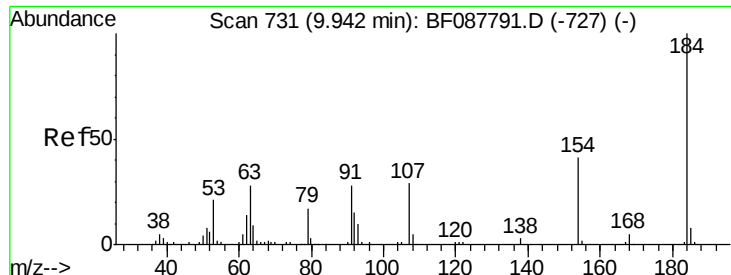


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

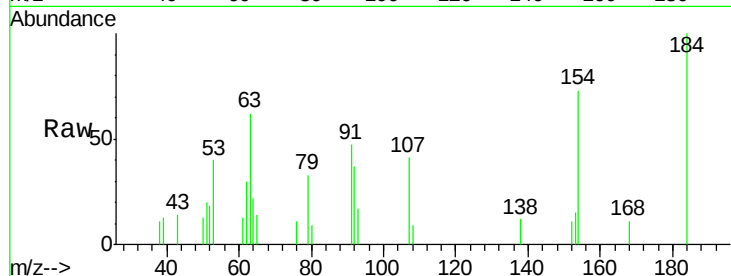




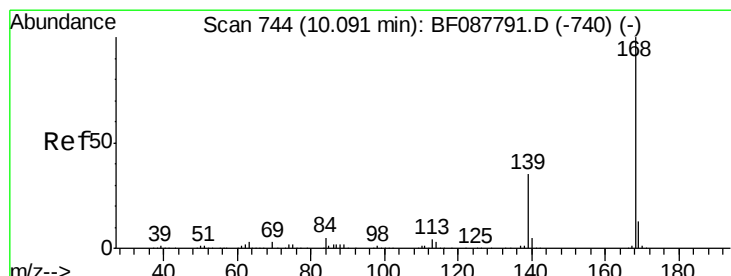
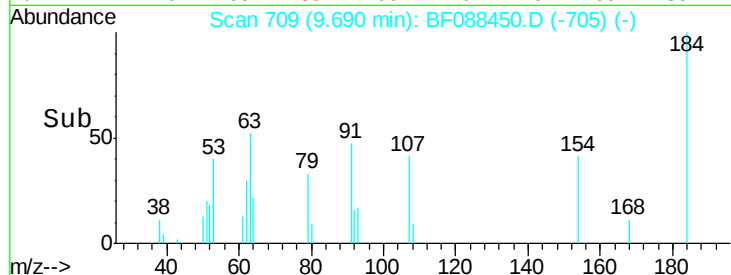
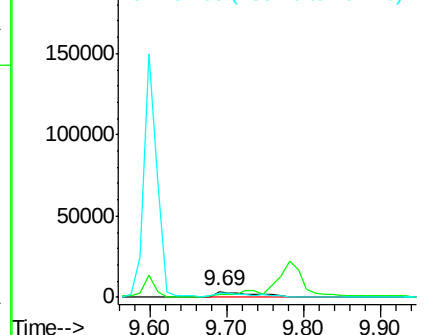
#53
2,4-Dinitrophenol
Concen: 15.83 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.25 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion:184 Resp: 12827
Ion Ratio Lower Upper
184 100
63 61.9 57.6 86.4
154 73.0 53.5 80.3

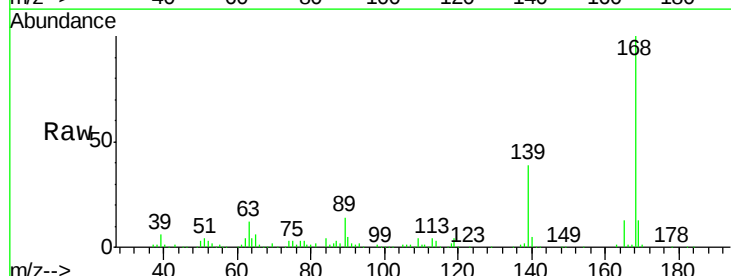


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

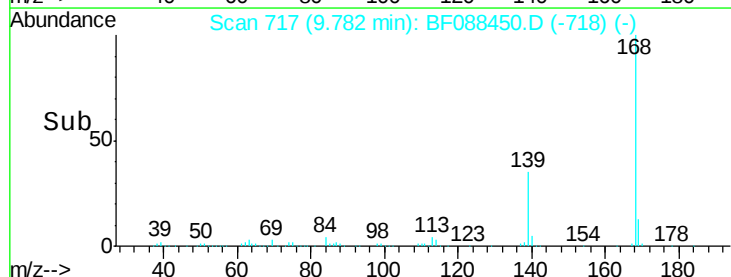
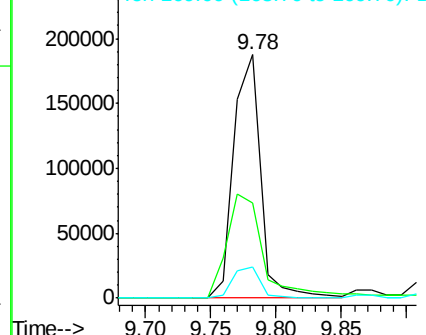


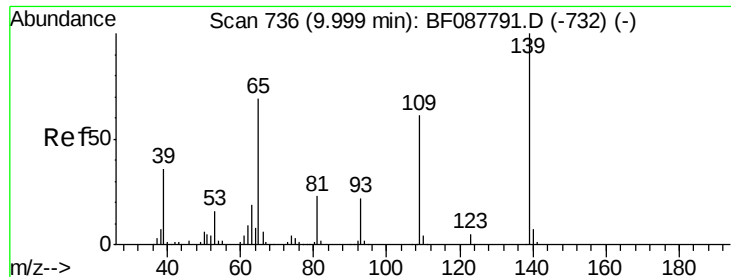
#54
Dibenzofuran
Concen: 23.56 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:168 Resp: 269650
Ion Ratio Lower Upper
168 100
139 39.2 26.4 39.6
169 13.0 10.4 15.6



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





#55

4-Nitrophenol

Concen: 87.16 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.23 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

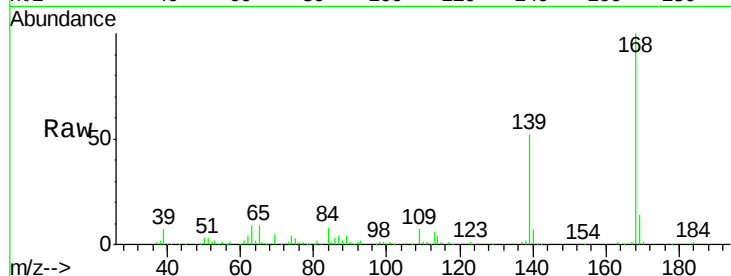
Tot Ion:139 Resp: 167576

Ion Ratio Lower Upper

139 100

109 12.9 48.9 88.9#

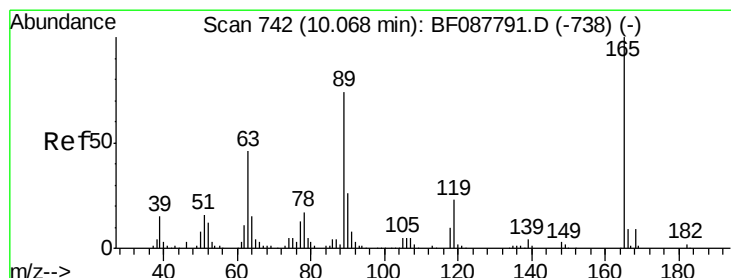
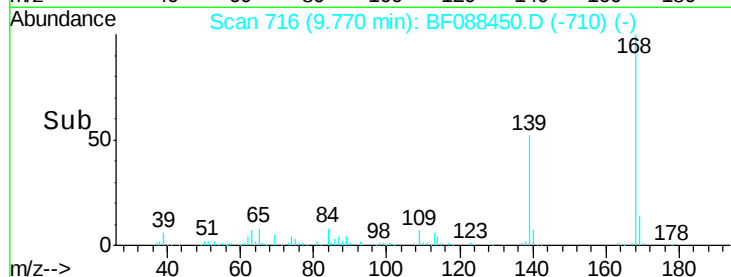
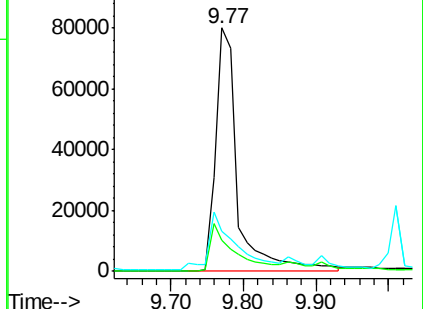
65 16.3 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 23.62 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.27 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Tgt Ion:165 Resp: 65154

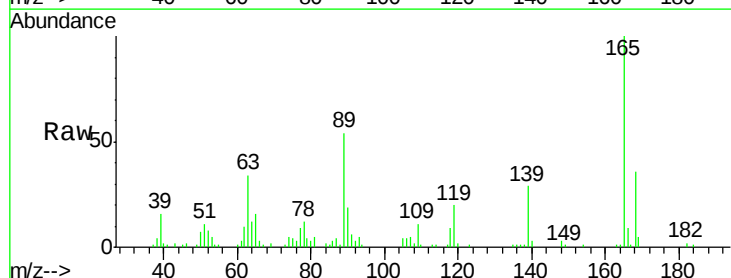
Ion Ratio Lower Upper

165 100

63 33.8 22.0 33.0#

89 53.7 41.1 61.7

182 2.5 2.0 3.0

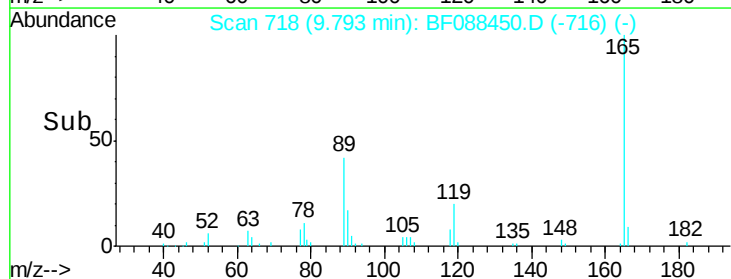
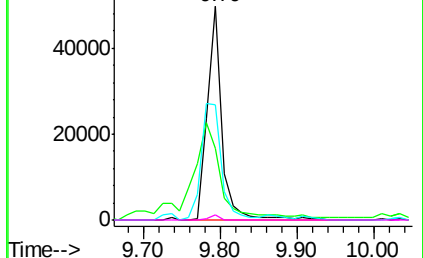


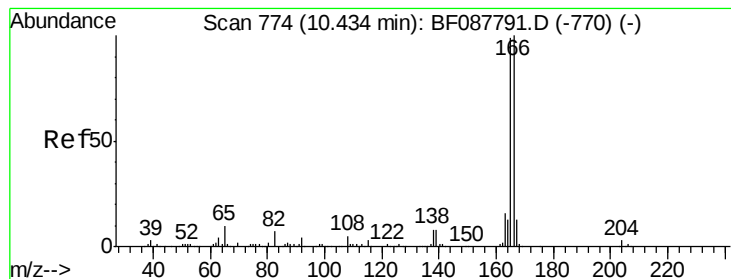
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 25.11 ng

RT: 10.11 min Scan# 746

Delta R.T. -0.32 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

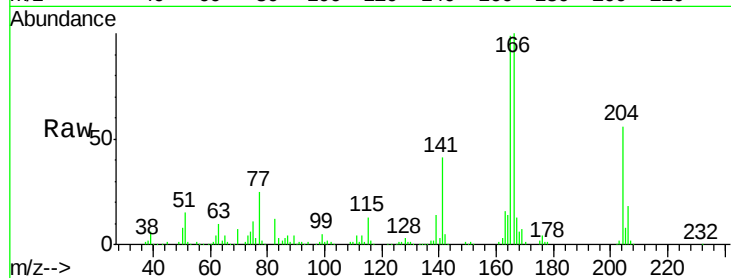
Tot Ion:166 Resp: 210676

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

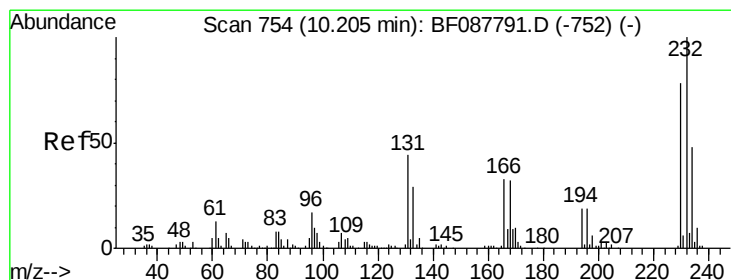
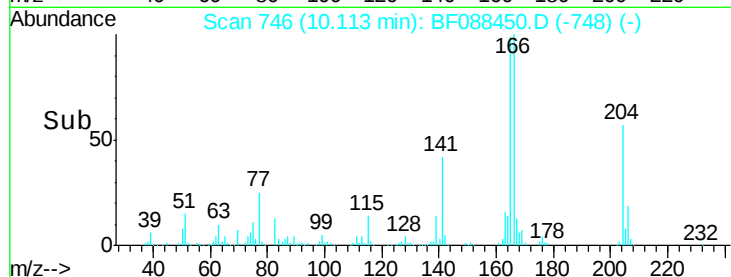
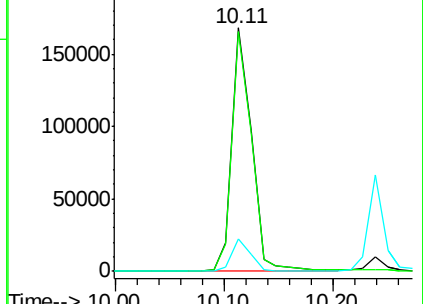
167 13.5 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.15 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.33 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Tgt Ion:232 Resp: 34167

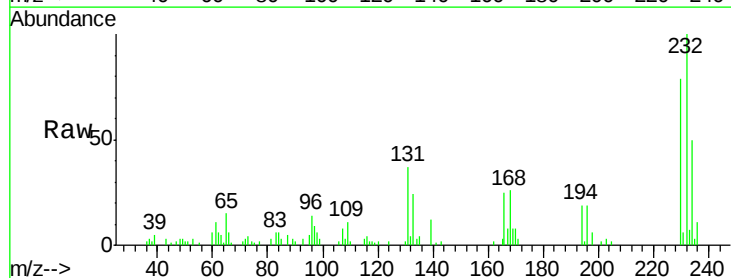
Ion Ratio Lower Upper

232 100

131 50.8 0.9 1.3#

130 2.3 1.5 2.3

166 30.8 0.5 0.7#

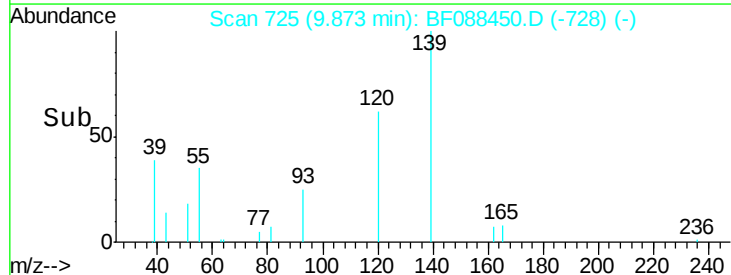
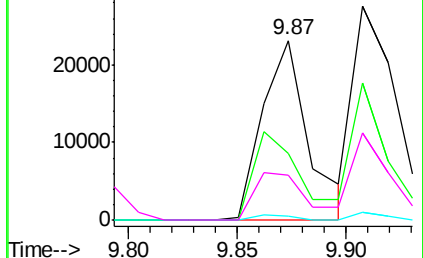


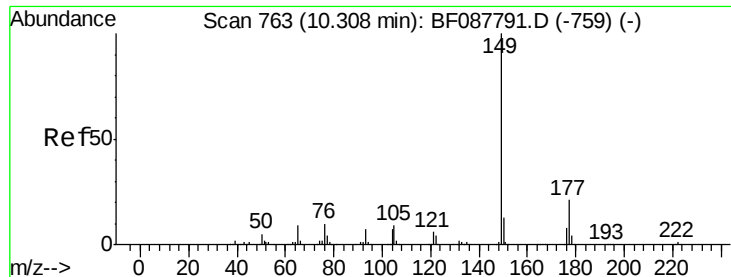
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

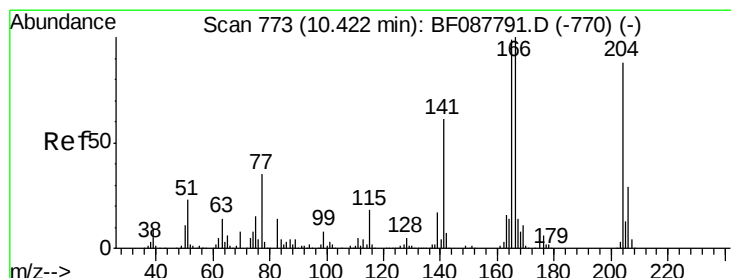
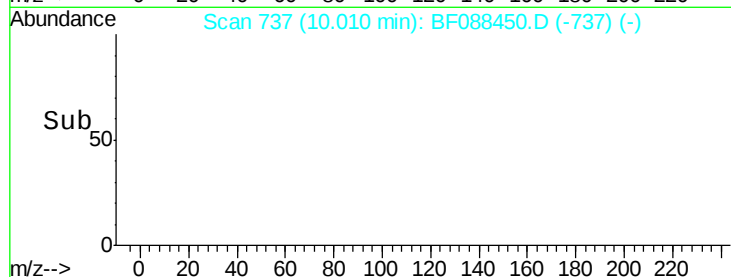
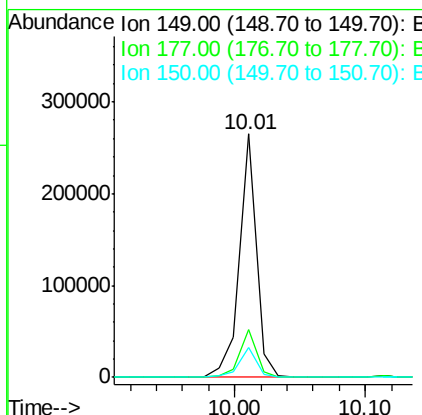
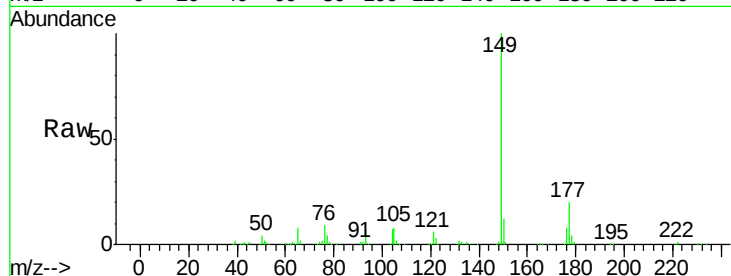




#59
Diethylphthalate
Concen: 25.21 ng
RT: 10.01 min Scan# 737
Delta R.T. -0.30 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

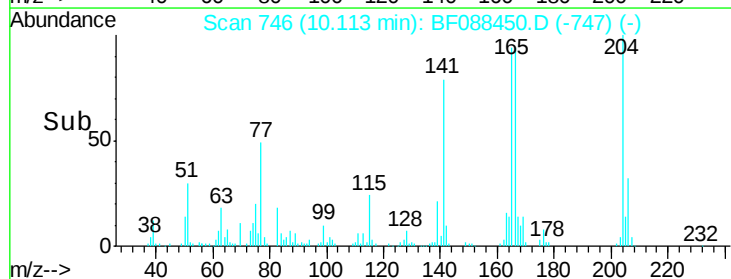
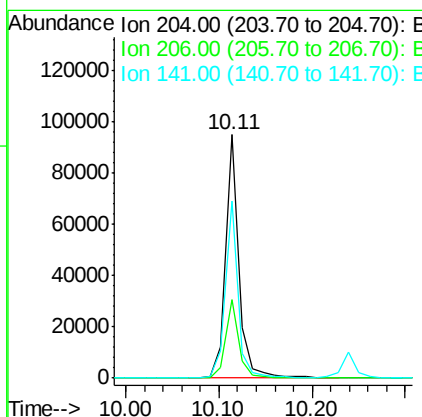
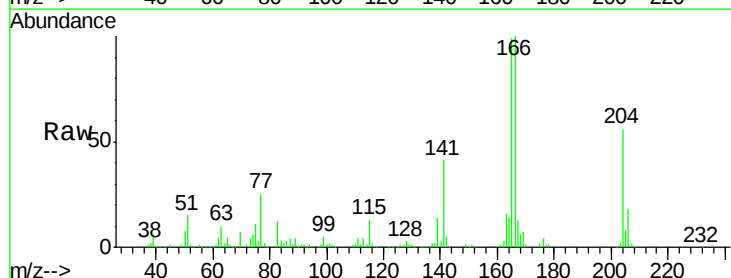
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

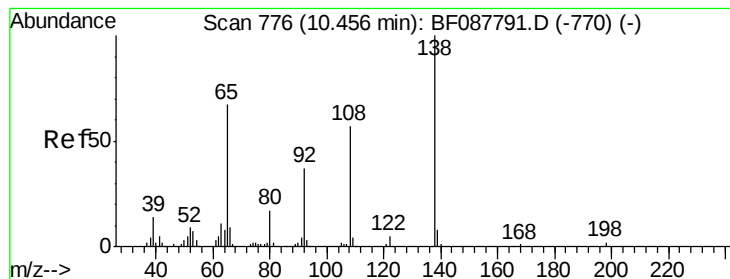
Tot Ion:149 Resp: 239238
Ion Ratio Lower Upper
149 100
177 19.8 16.9 25.3
150 12.2 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 24.54 ng
RT: 10.11 min Scan# 746
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:204 Resp: 93381
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 72.7 55.0 82.6





#61

4-Nitroaniline

Concen: 19.96 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

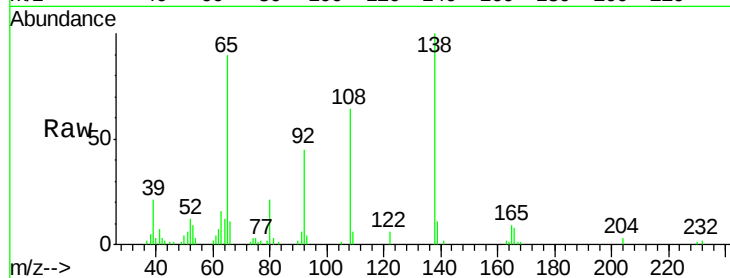
Tot Ion:138 Resp: 46910

Ion Ratio Lower Upper

138 100

92 45.0 27.3 67.3

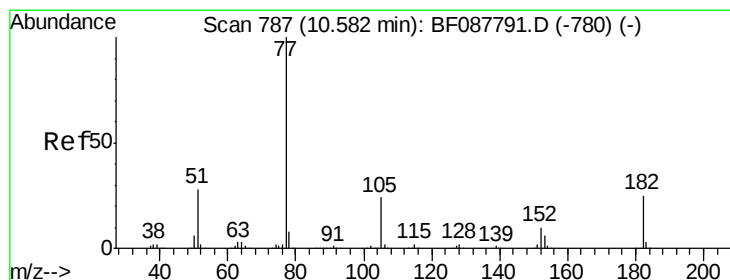
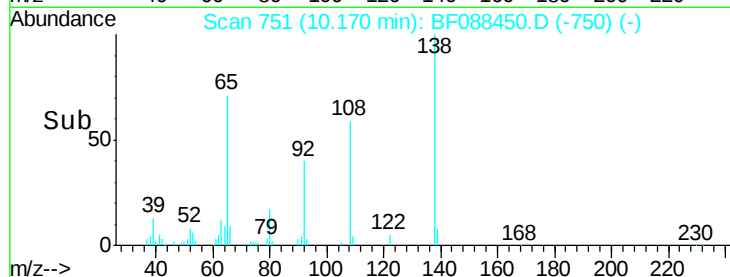
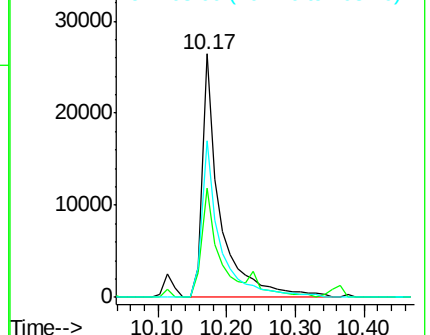
108 64.4 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 24.31 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Tgt Ion: 77 Resp: 228090

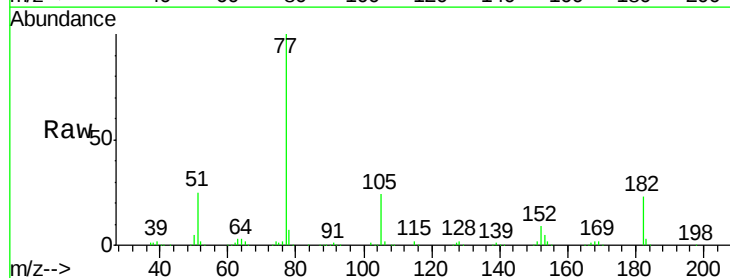
Ion Ratio Lower Upper

77 100

182 23.2 4.4 44.4

105 23.9 3.8 43.8

51 25.3 9.3 49.3

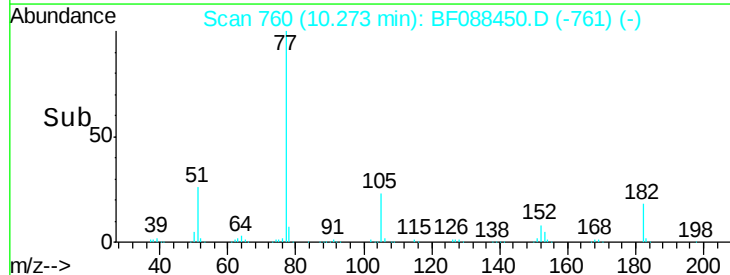
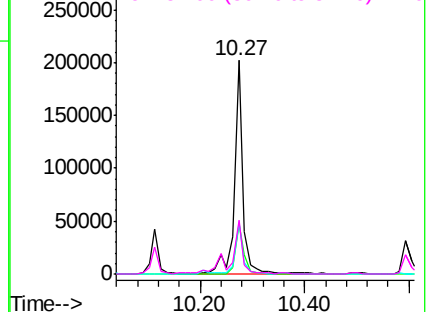


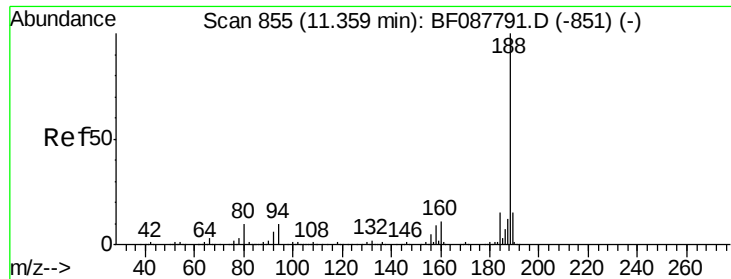
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

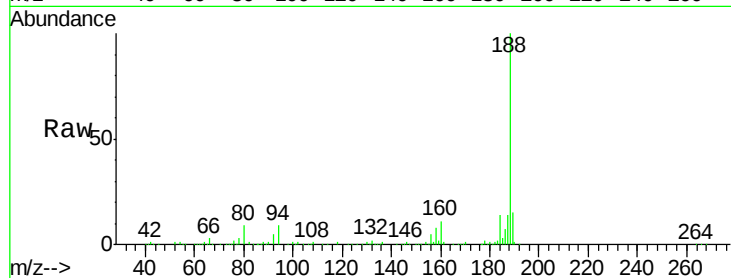




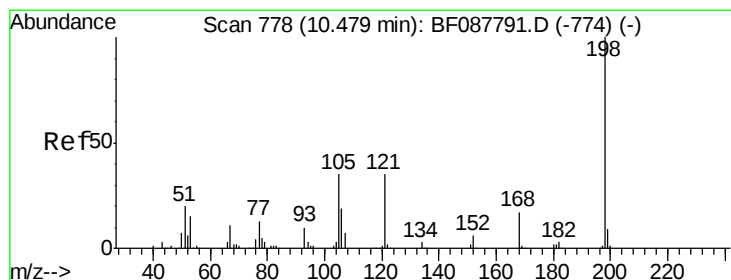
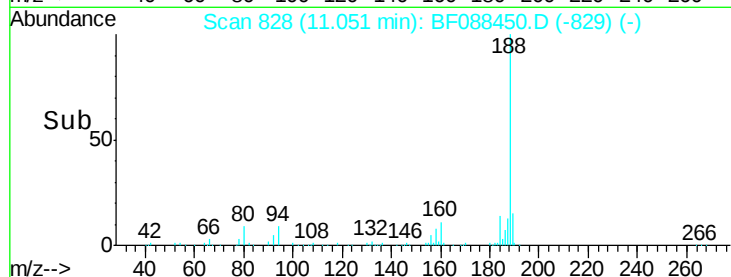
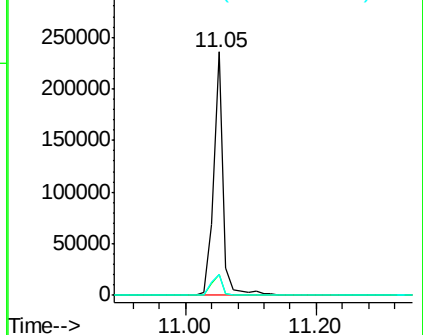
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion:188 Resp: 245504
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.6#
80 8.8 10.0 15.0#

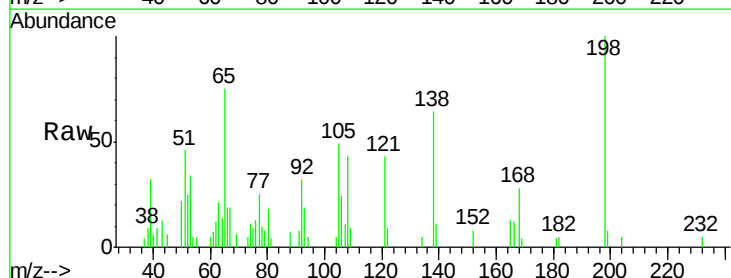


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

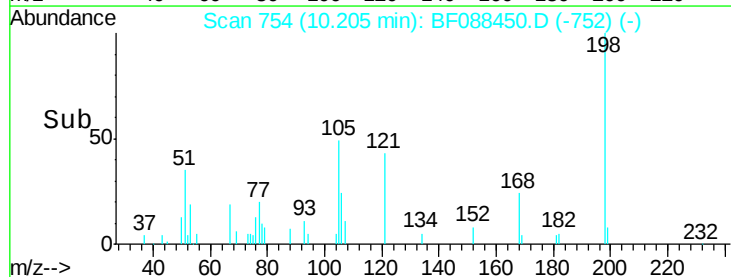
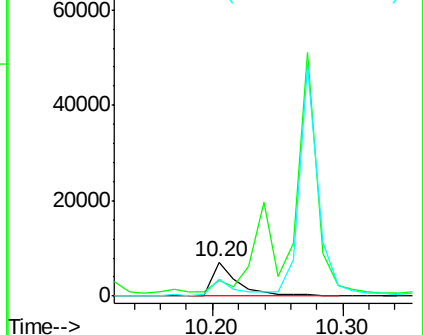


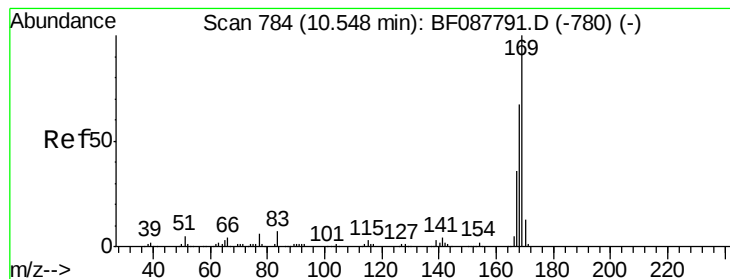
#64
4,6-Dinitro-2-methylphenol
Concen: 8.25 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.27 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:198 Resp: 9773
Ion Ratio Lower Upper
198 100
51 46.4 39.6 79.6
105 49.3 36.6 76.6



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





#65

n-Nitrosodiphenylamine

Concen: 22.91 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

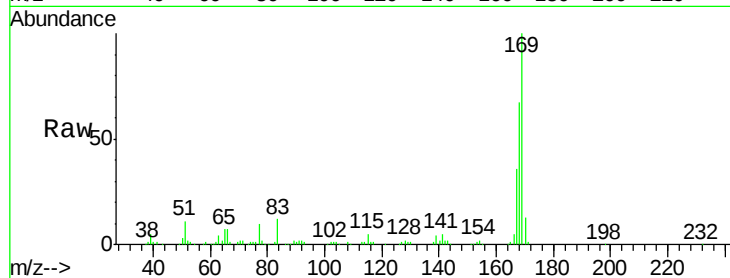
Tot Ion:169 Resp: 186600

Ion Ratio Lower Upper

169 100

168 67.0 53.4 80.0

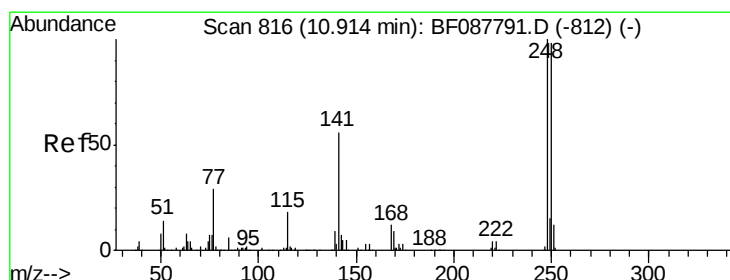
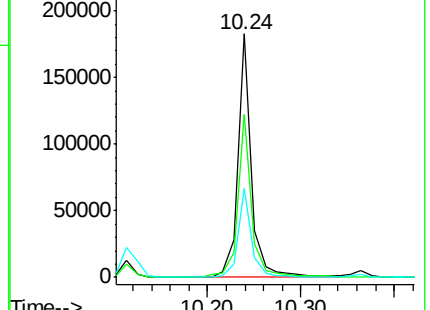
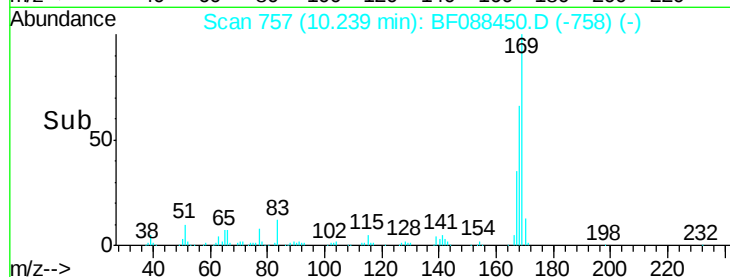
167 36.2 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 21.63 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

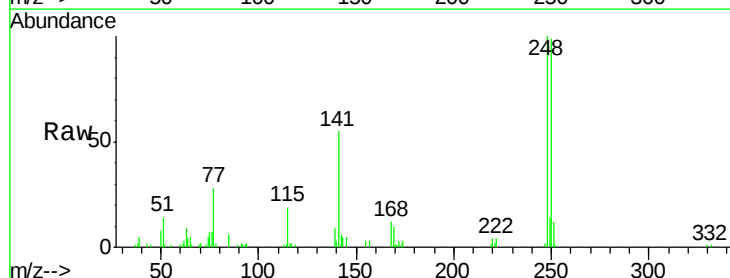
Tgt Ion:248 Resp: 56977

Ion Ratio Lower Upper

248 100

250 99.2 77.1 115.7

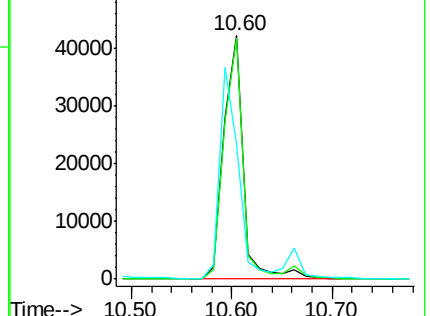
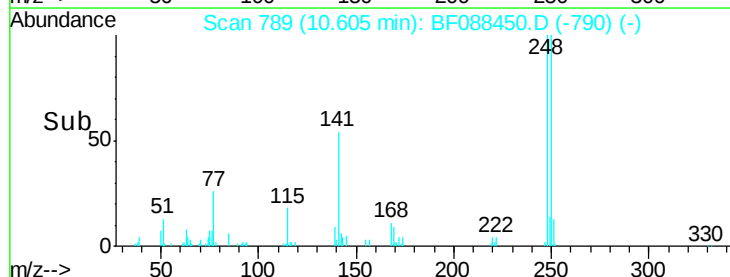
141 55.3 50.6 76.0

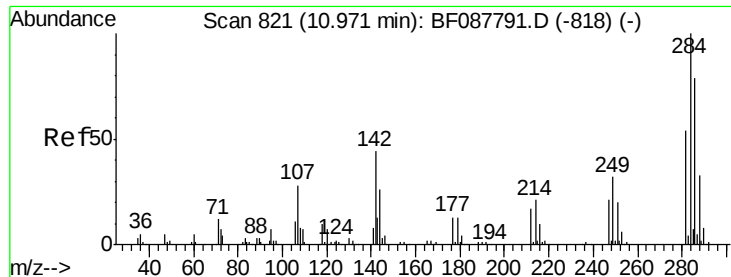


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

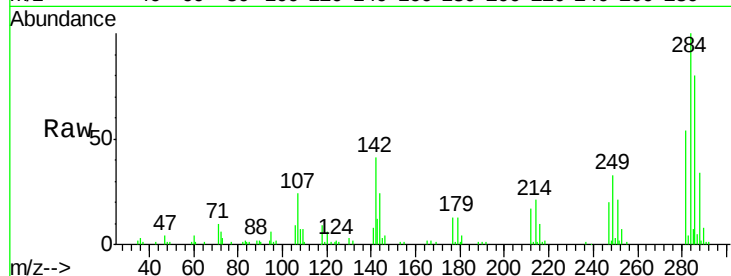




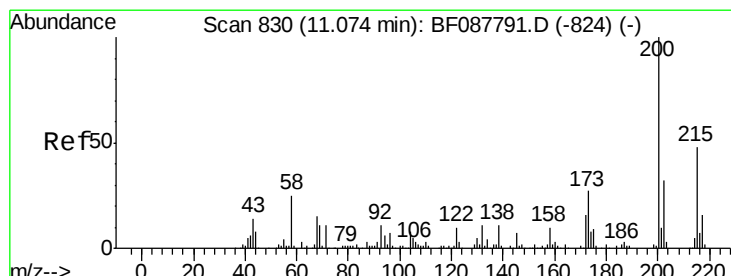
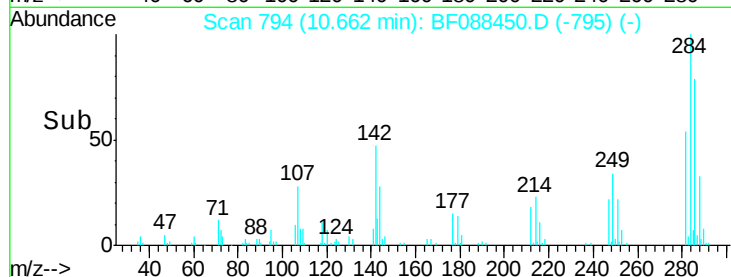
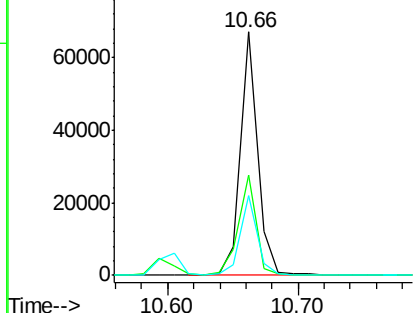
#67
Hexachlorobenzene
Concen: 22.44 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	41.0	35.8	53.8
249	32.7	25.8	38.6

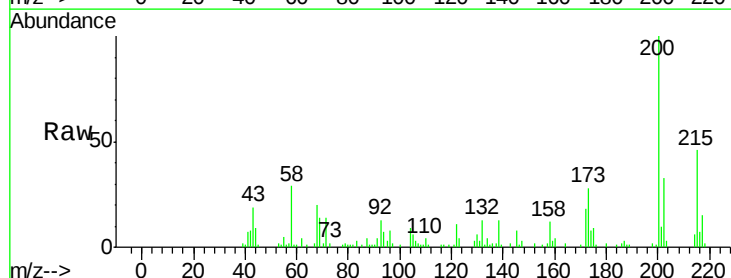


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

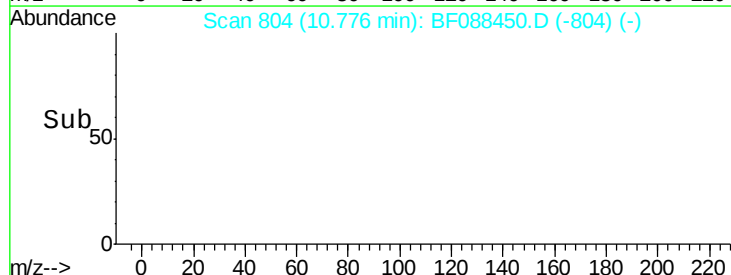
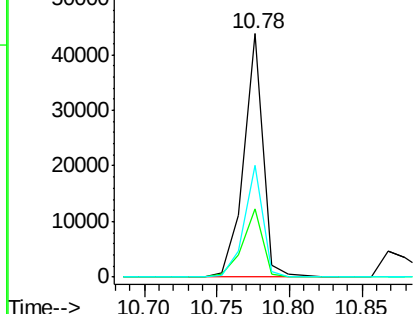


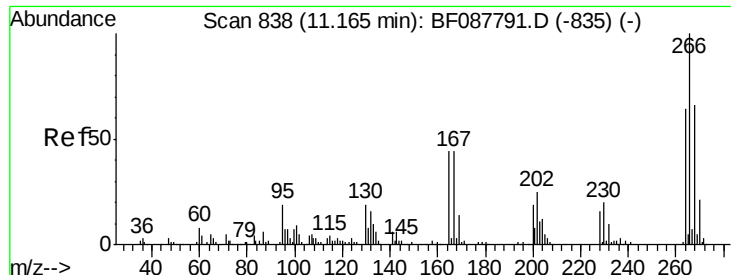
#68
Atrazine
Concen: 16.44 ng
RT: 10.78 min Scan# 804
Delta R.T. -0.30 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.0	4.0	44.0
215	46.1	29.3	69.3



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

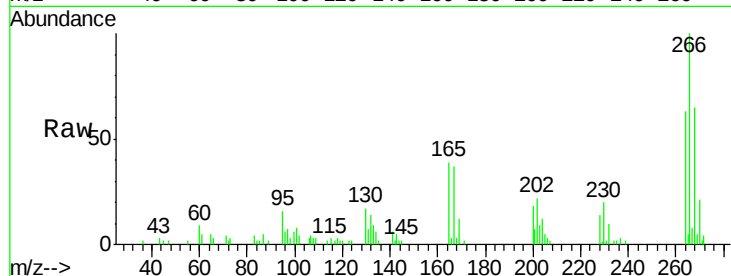




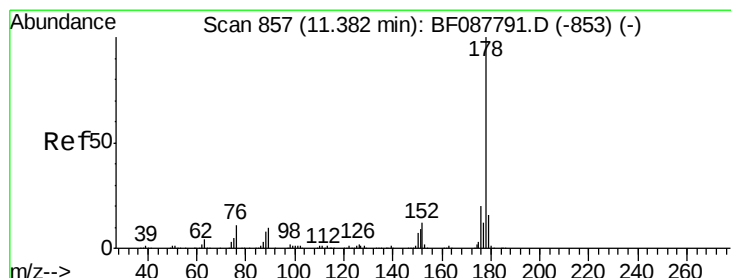
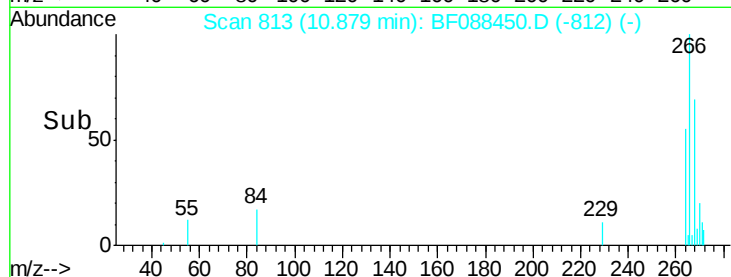
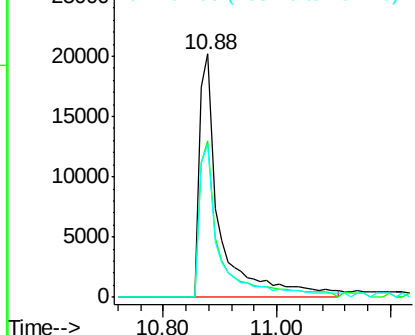
#69
 Pentachlorophenol
 Concen: 34.14 ng
 RT: 10.88 min Scan# 813
 Delta R.T. -0.29 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion:266 Resp: 49250
 Ion Ratio Lower Upper
 266 100
 268 64.5 52.8 79.2
 264 63.0 49.6 74.4

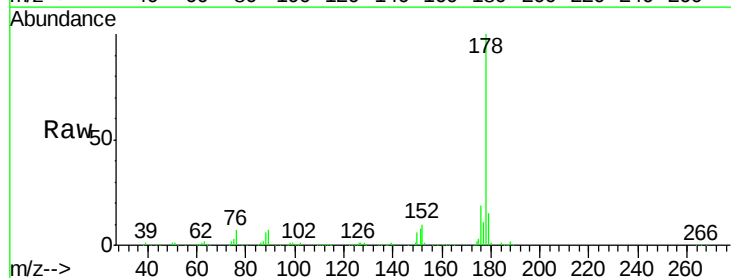


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

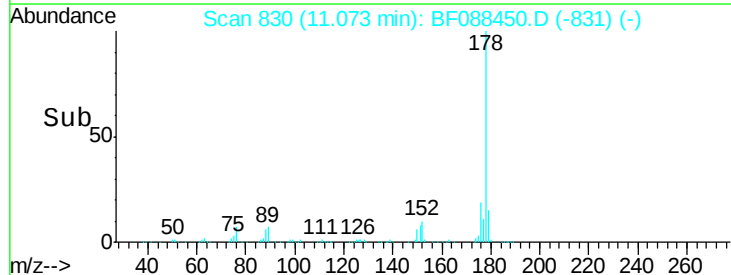
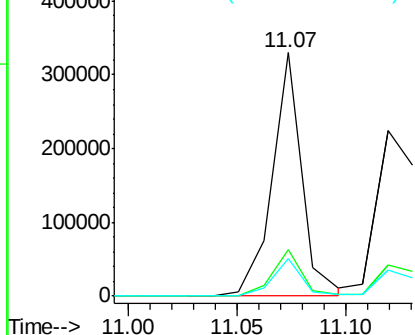


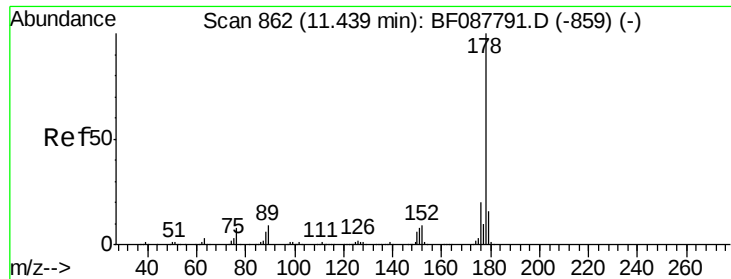
#70
 Phenanthrene
 Concen: 24.42 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.31 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion:178 Resp: 314631
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.6
 179 15.2 13.0 19.4



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

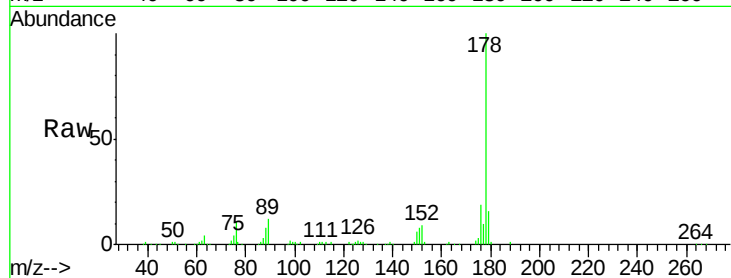




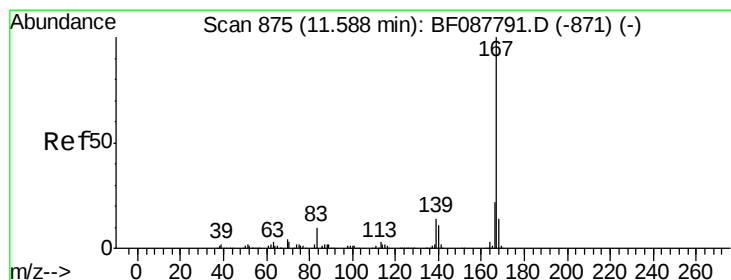
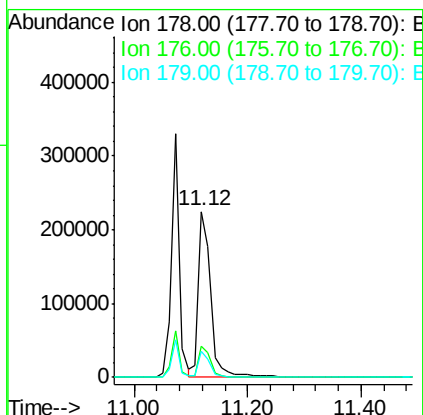
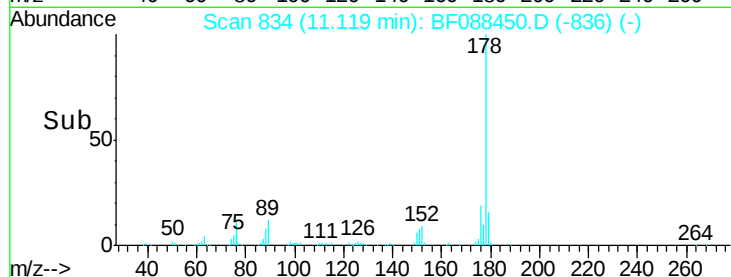
#71
 Anthracene
 Concen: 25.67 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.32 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion:178 Resp: 333608
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 15.6 12.8 19.2

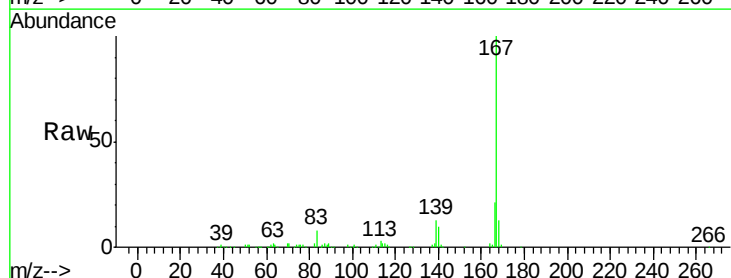


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

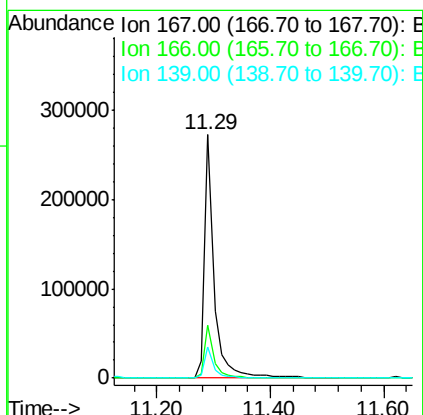
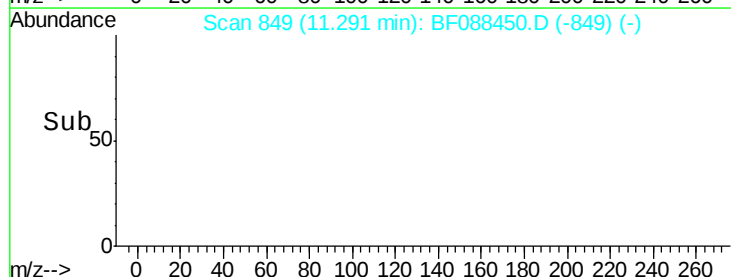


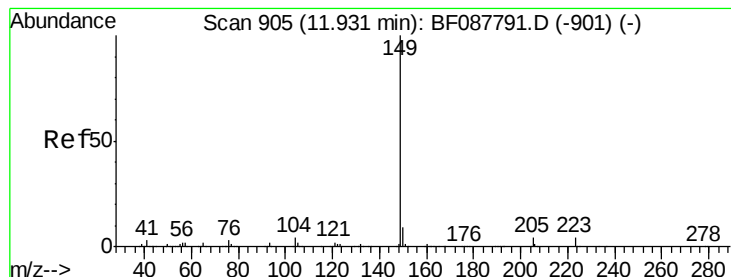
#72
 Carbazole
 Concen: 25.50 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.30 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion:167 Resp: 310050
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.8 26.6
 139 12.7 11.2 16.8



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: 23.62 ng

RT: 11.62 min Scan# 878

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

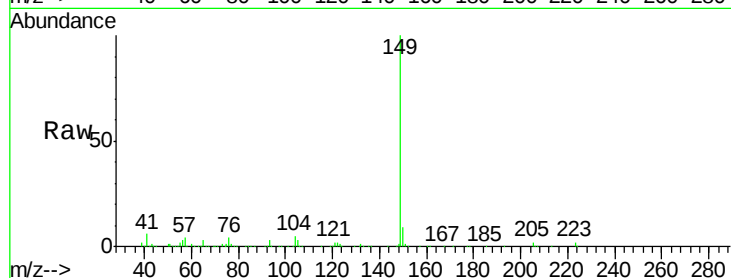
Tot Ion:149 Resp: 363631

Ion Ratio Lower Upper

149 100

150 9.2 7.8 11.6

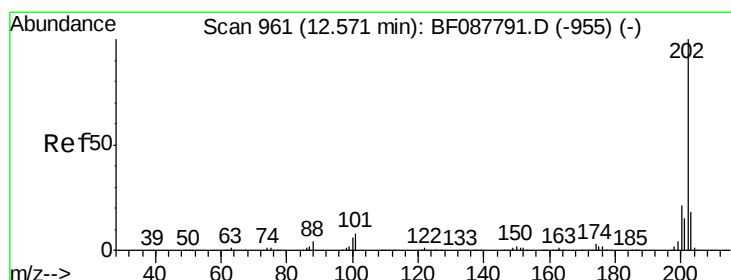
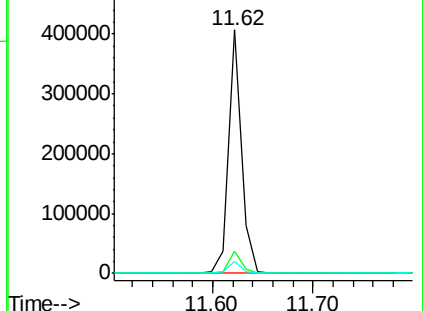
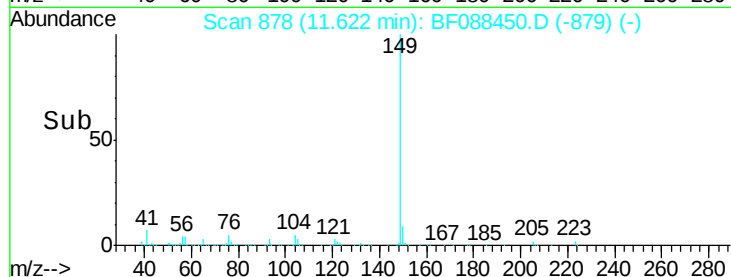
104 4.8 4.0 6.0



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: 23.67 ng

RT: 12.25 min Scan# 933

Delta R.T. -0.32 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

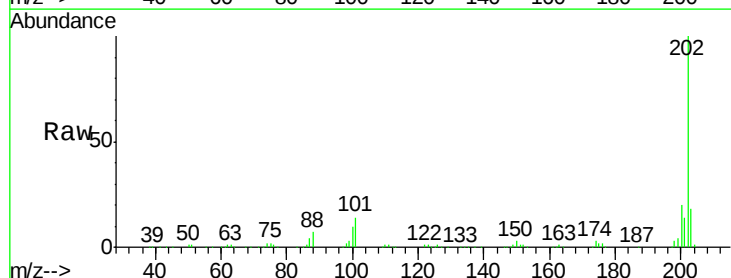
Tgt Ion:202 Resp: 321779

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.1

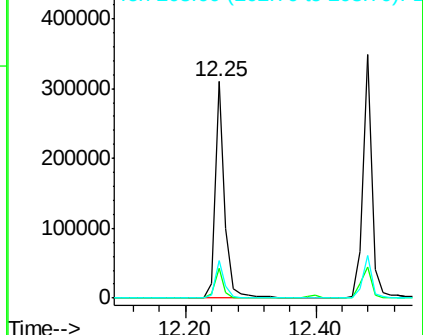
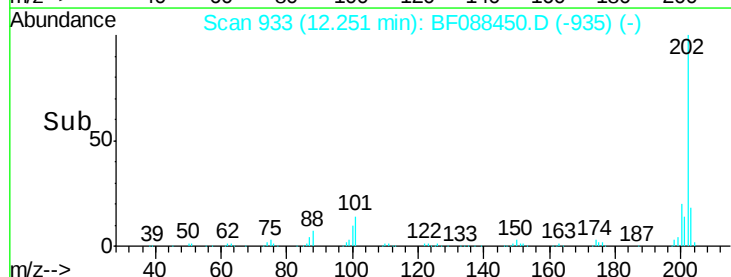
203 17.6 0.0 38.1

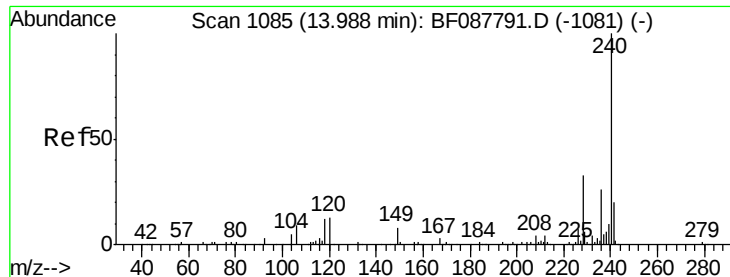


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

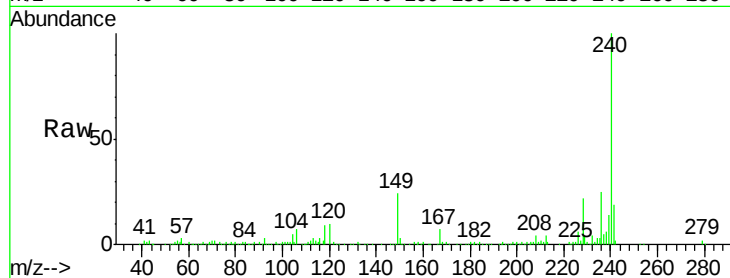
Tot Ion:240 Resp: 203428

Ion Ratio Lower Upper

240 100

120 10.3 6.8 10.2#

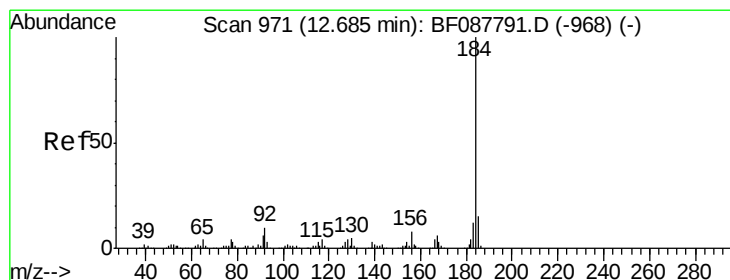
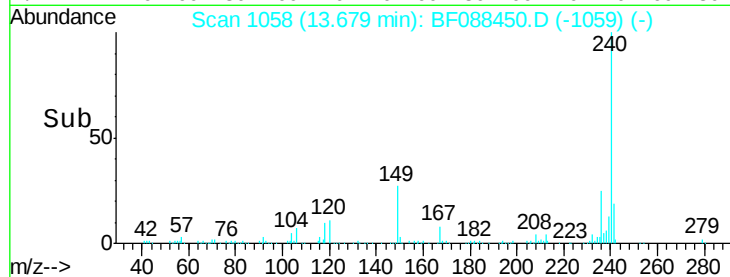
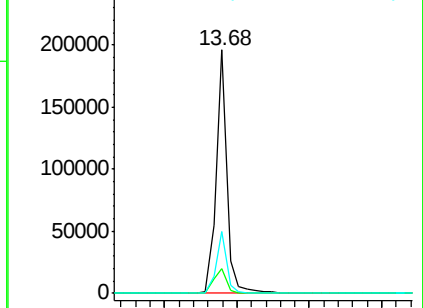
236 25.5 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.04 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.29 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

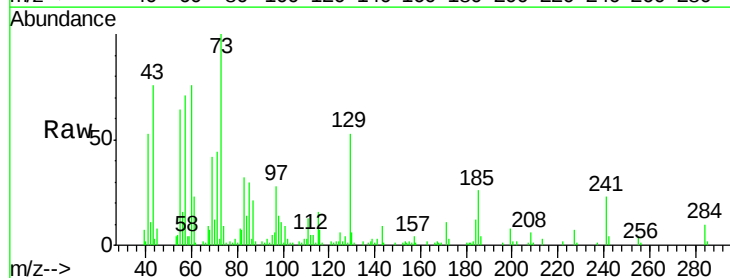
Tgt Ion:184 Resp: 11465

Ion Ratio Lower Upper

184 100

185 209.9 12.5 18.7#

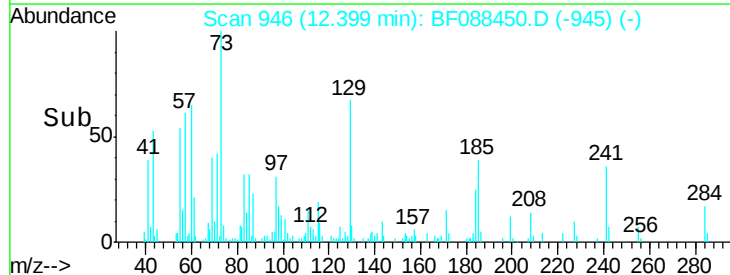
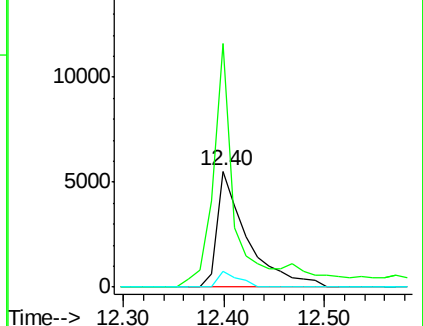
183 13.4 9.3 13.9

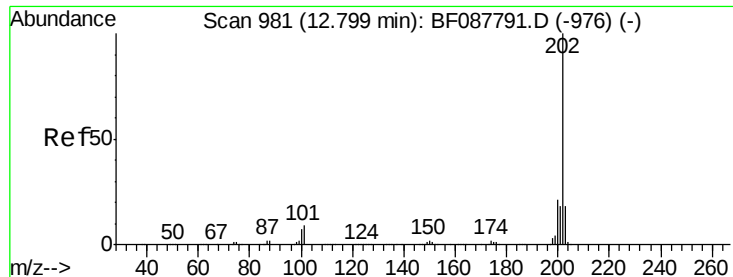


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

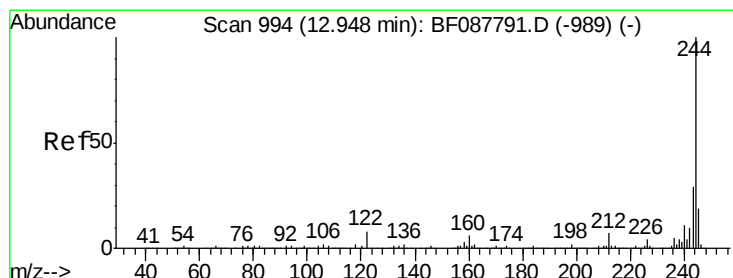
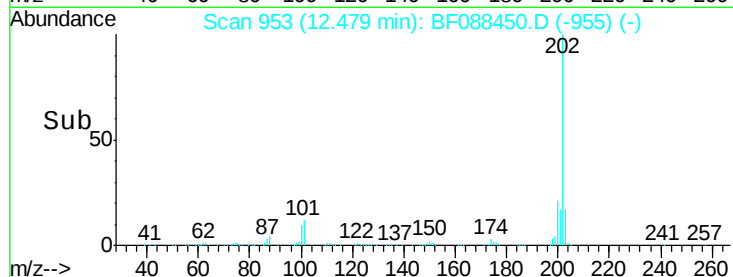
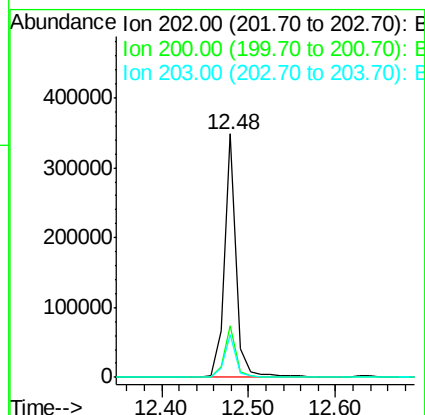
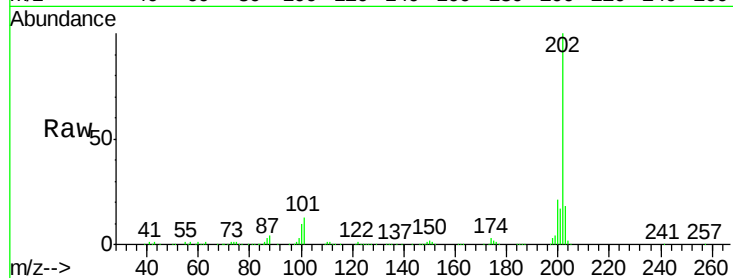




#77
Pvrene
Concen: 21.65 ng
RT: 12.48 min Scan# 953
Delta R.T. -0.32 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

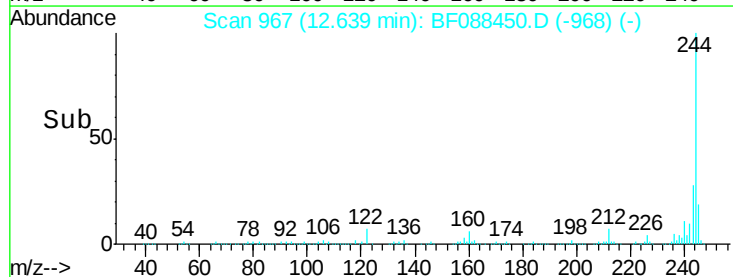
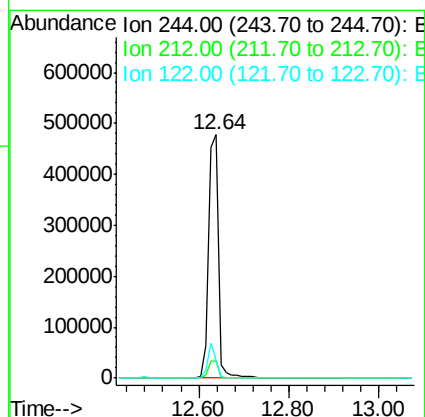
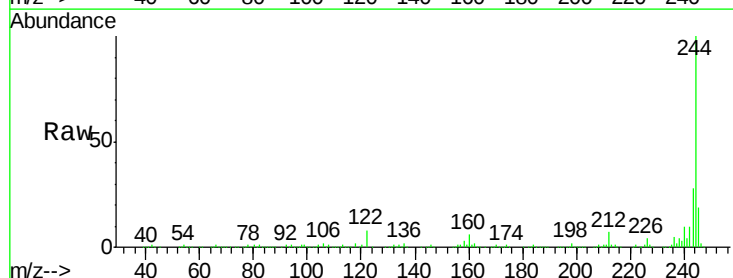
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

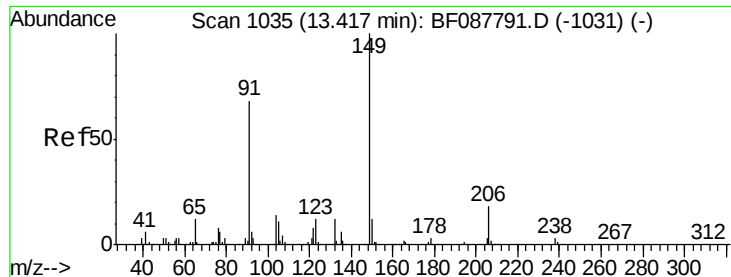
Tot Ion:202 Resp: 326800
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.5 21.7



#78
Terphenyl-d14
Concen: 82.02 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:244 Resp: 733226
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 7.6 11.2 16.8#

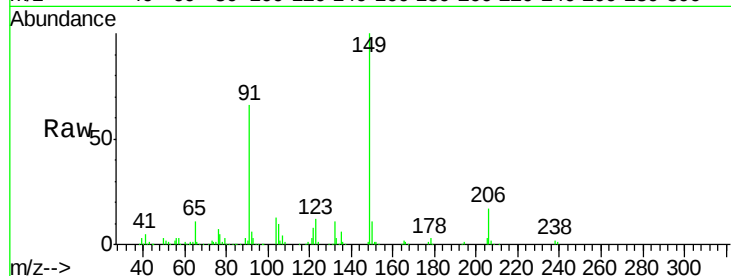




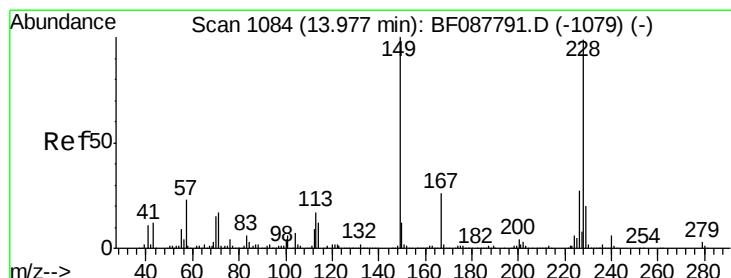
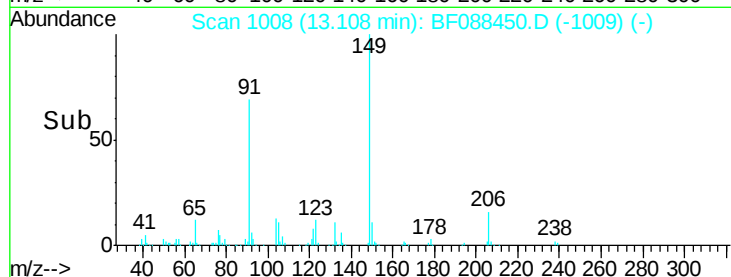
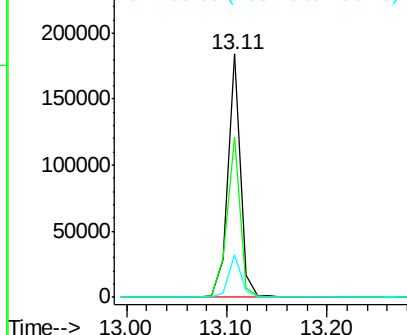
#79
Butylbenzylphthalate
Concen: 24.13 ng
RT: 13.11 min Scan# 1008
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.1	48.0	72.0
206	17.4	16.0	24.0

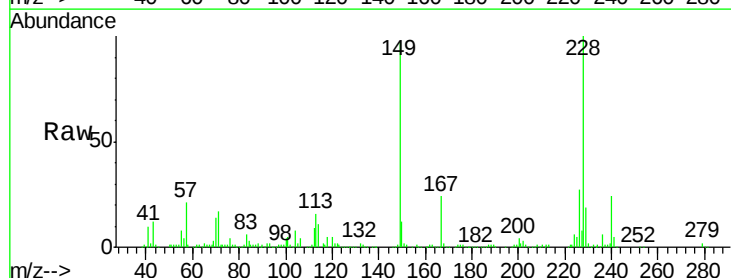


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

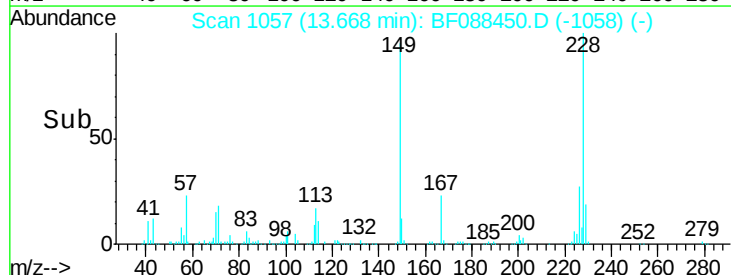
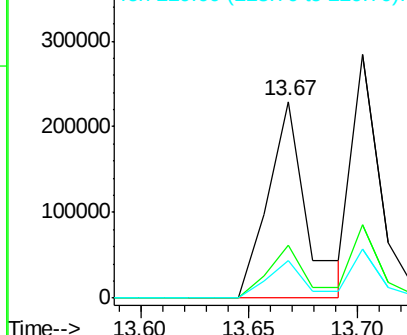


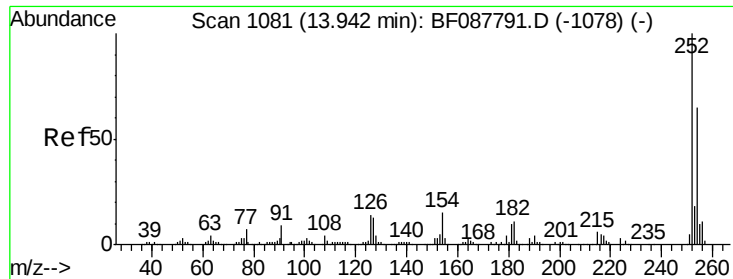
#80
Benzo(a)anthracene
Concen: 24.53 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.31 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.3	33.5
229	19.4	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

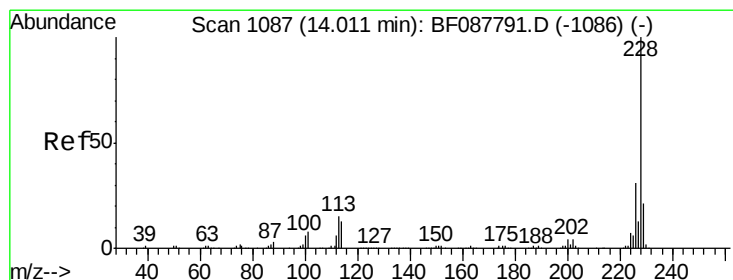
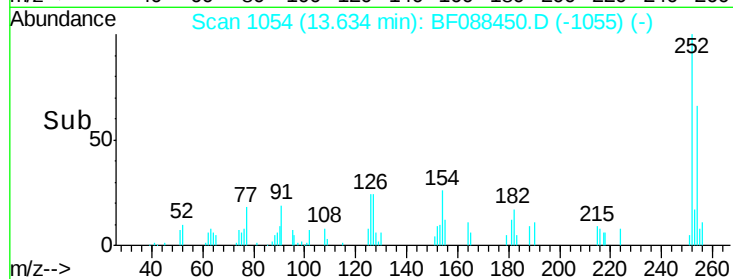
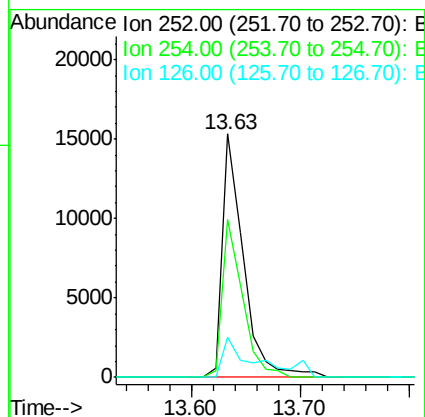
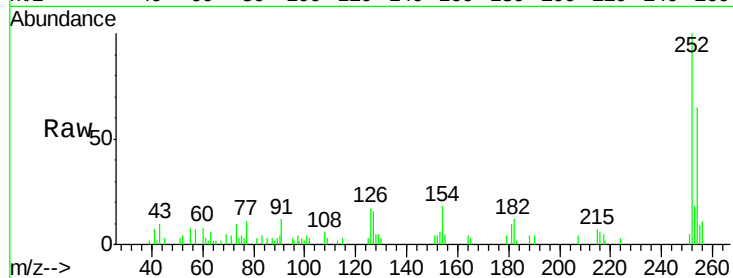




#81
 3,3'-Dichlorobenzidine
 Concen: 6.65 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.31 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

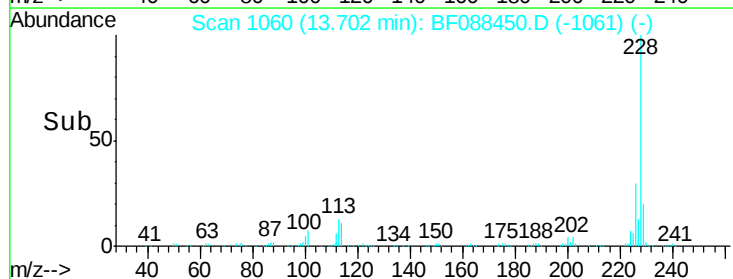
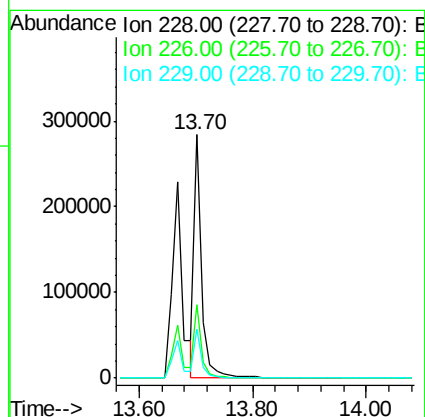
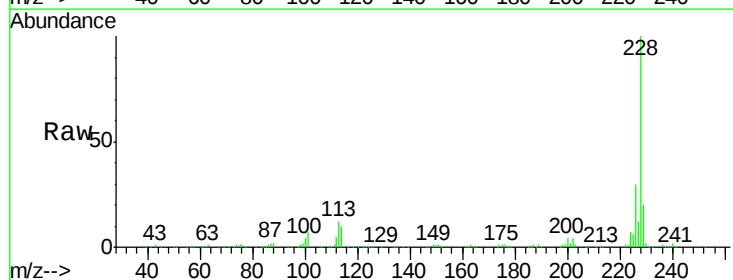
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

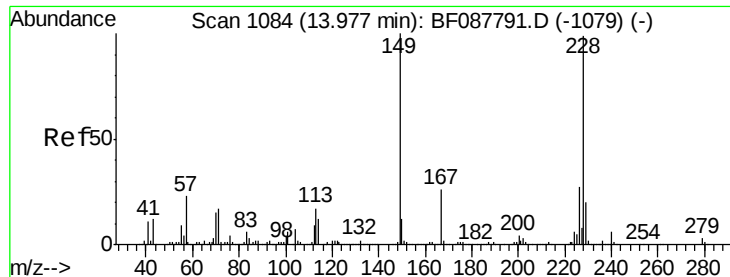
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.6	78.8
126	16.7	6.2	9.2



#82
 Chrysene
 Concen: 24.65 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.31 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	20.1	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 25.16 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

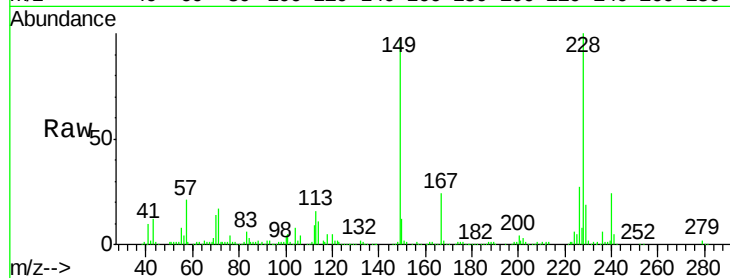
Tot Ion:149 Resp: 204384

Ion Ratio Lower Upper

149 100

167 24.8 20.5 30.7

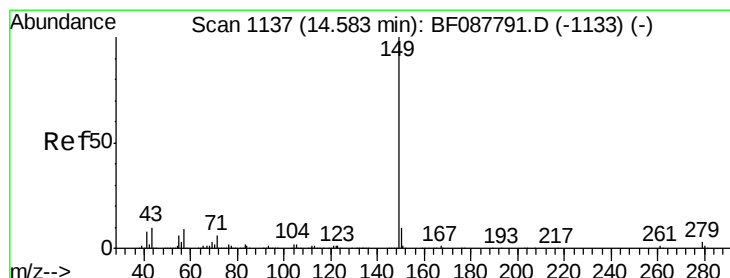
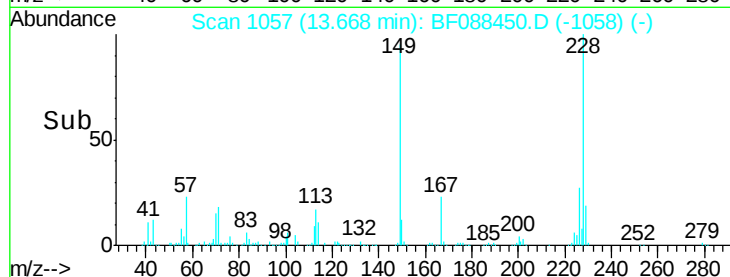
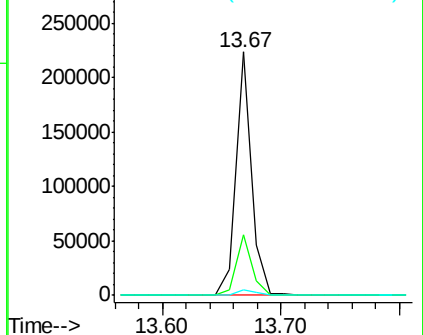
279 2.5 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 27.05 ng

RT: 14.27 min Scan# 1110

Delta R.T. -0.31 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

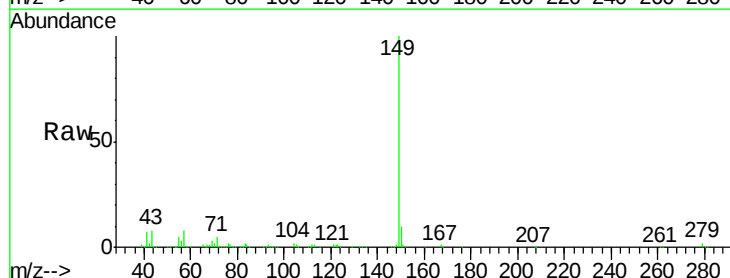
Tgt Ion:149 Resp: 357041

Ion Ratio Lower Upper

149 100

167 1.4 0.0 0.0#

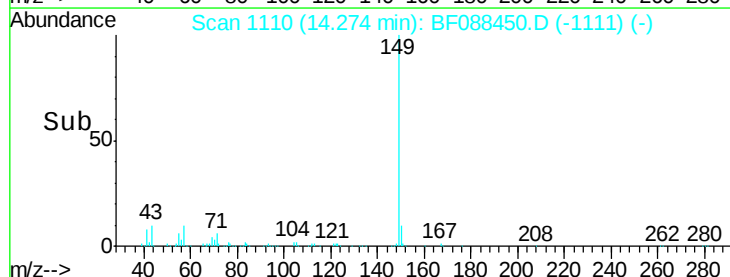
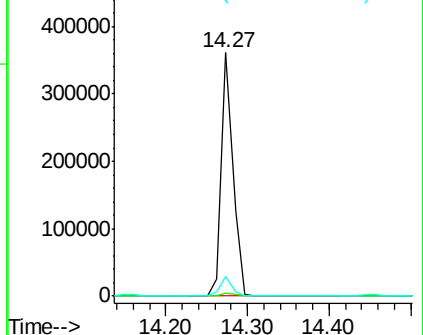
43 7.4 0.0 0.0#

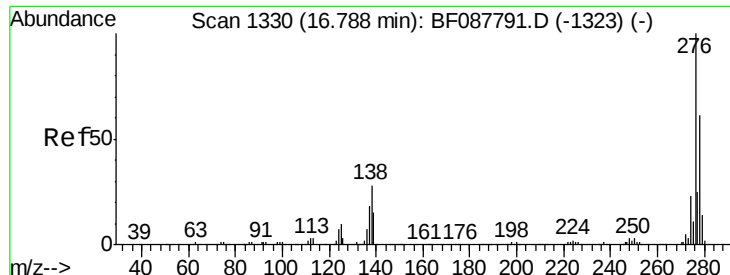


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

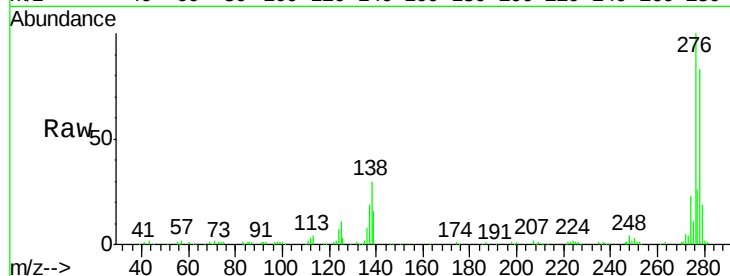




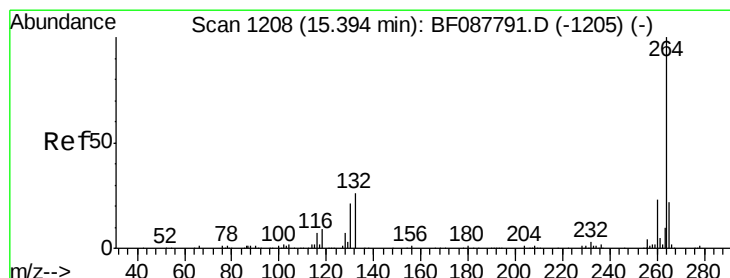
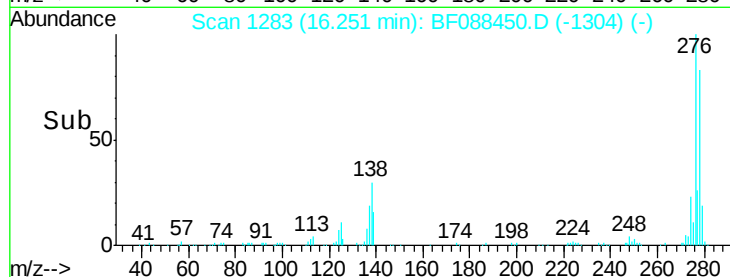
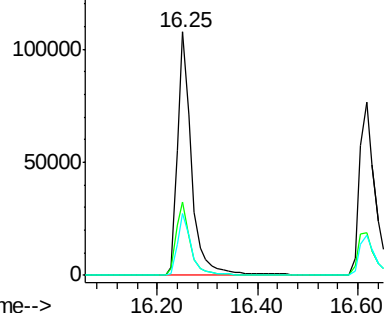
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.64 ng
 RT: 16.25 min Scan# 1283
 Delta R.T. -0.54 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	0.0	0.0#
277	24.7	0.0	0.0#

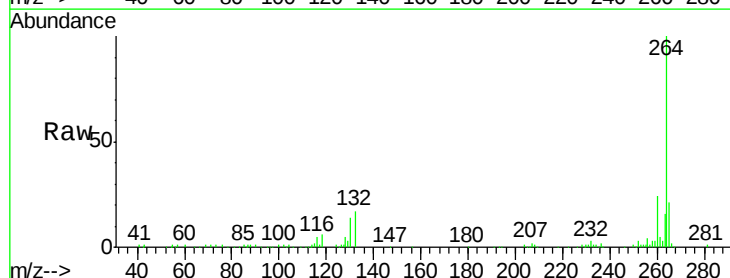


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

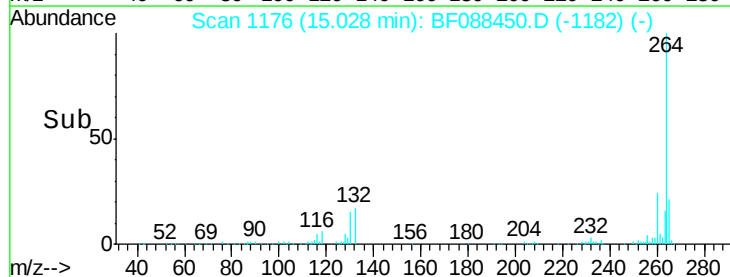
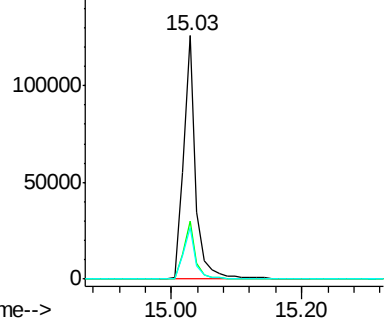


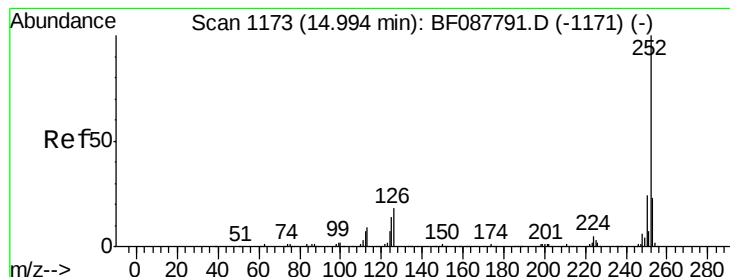
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088450.D
 Acq: 27 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.0	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.98 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.30 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

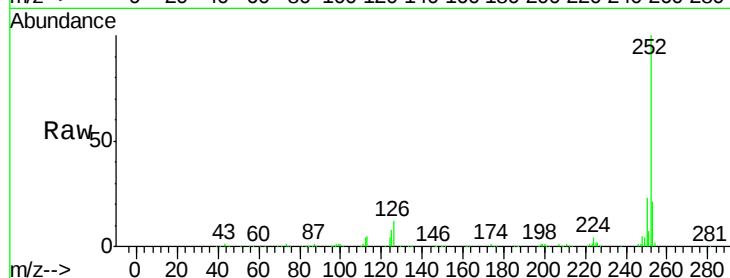
Tot Ion:252 Resp: 507973

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

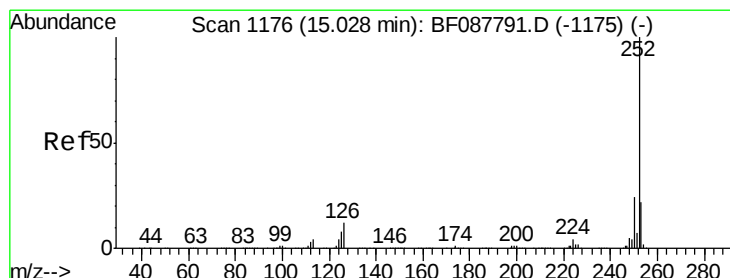
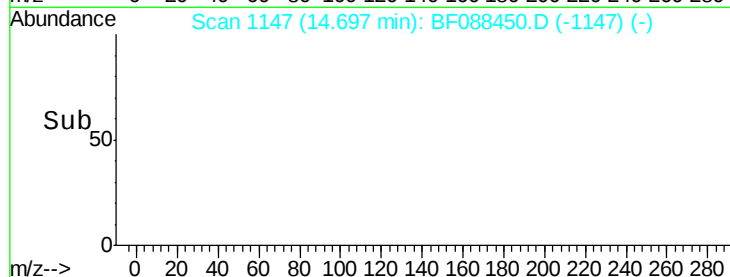
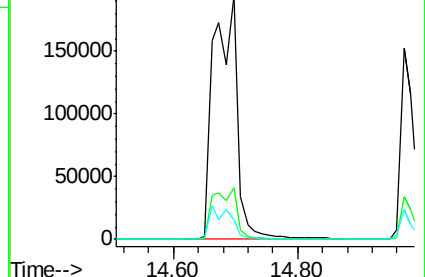
125 8.2 7.1 10.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 58.46 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.33 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

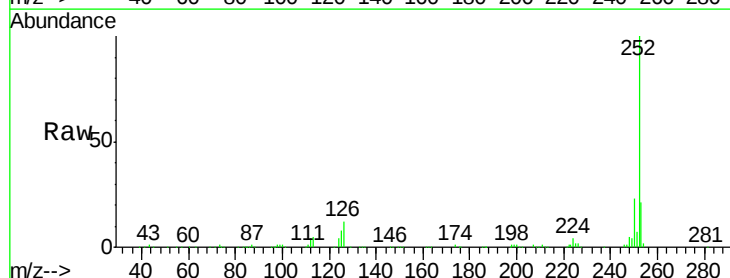
Tgt Ion:252 Resp: 509342

Ion Ratio Lower Upper

252 100

253 21.1 18.0 27.0

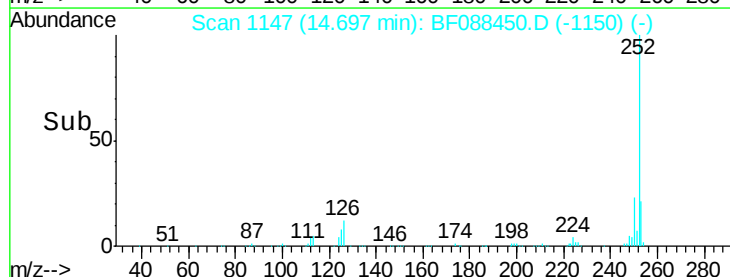
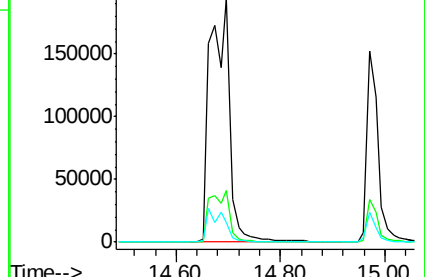
125 8.2 11.2 16.8#

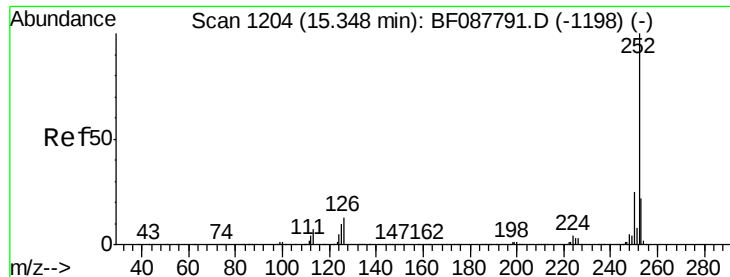


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

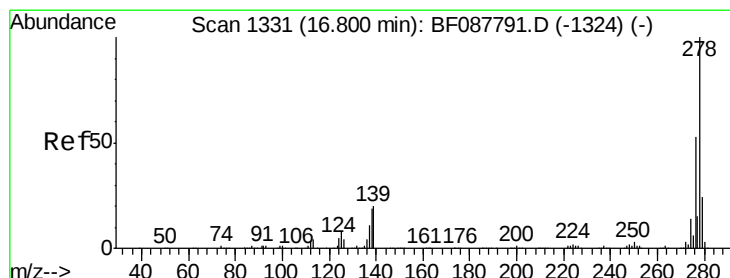
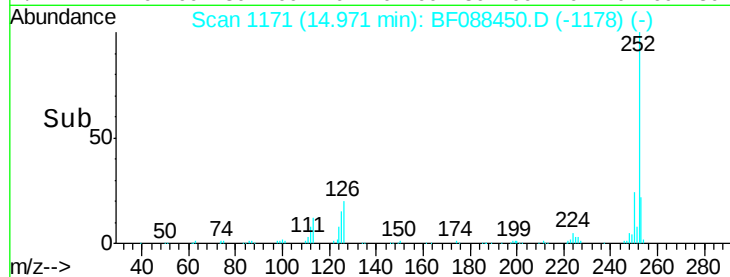
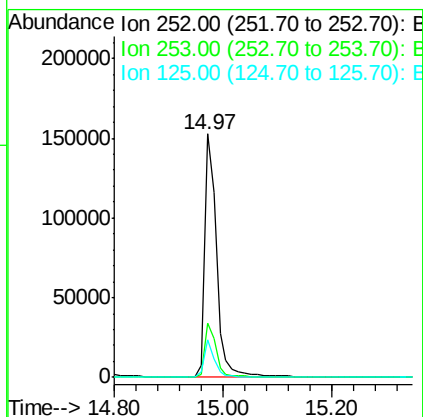
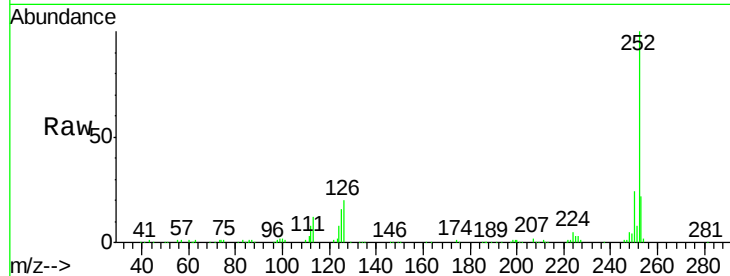




#89
Benzo(a)pyrene
Concen: 24.72 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.38 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

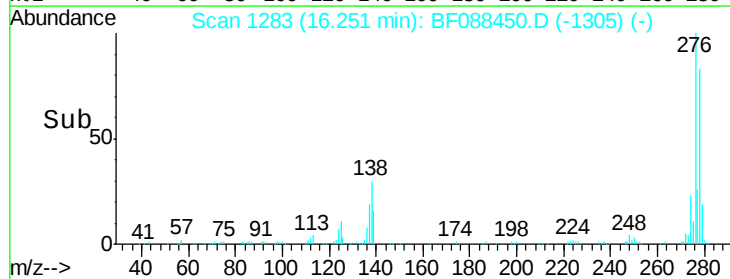
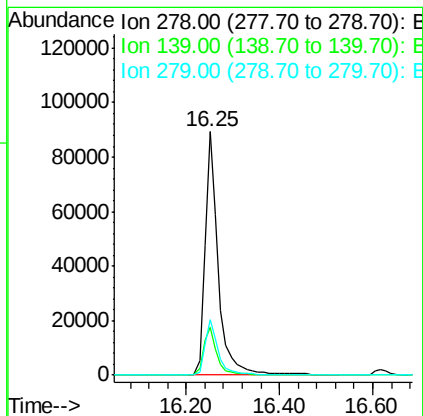
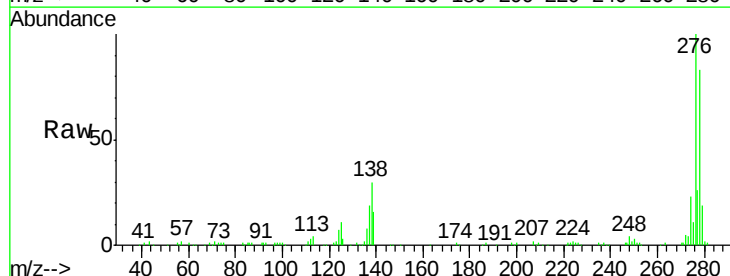
Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

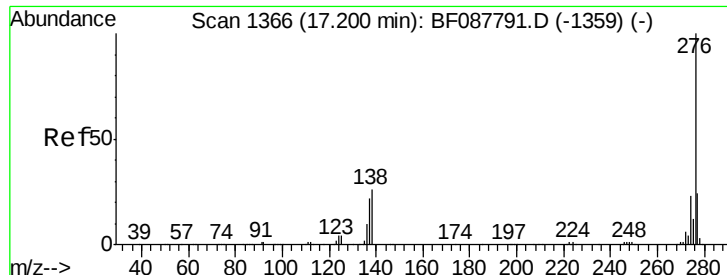
Tot Ion:252 Resp: 231021
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 15.6 12.5 18.7



#90
Dibenzo(a,h)anthracene
Concen: 20.54 ng
RT: 16.25 min Scan# 1283
Delta R.T. -0.55 min
Lab File: BF088450.D
Acq: 27 Jun 2016 12:22

Tgt Ion:278 Resp: 178312
Ion Ratio Lower Upper
278 100
139 19.8 15.7 23.5
279 23.0 19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 19.55 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.58 min

Lab File: BF088450.D

Acq: 27 Jun 2016 12:22

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

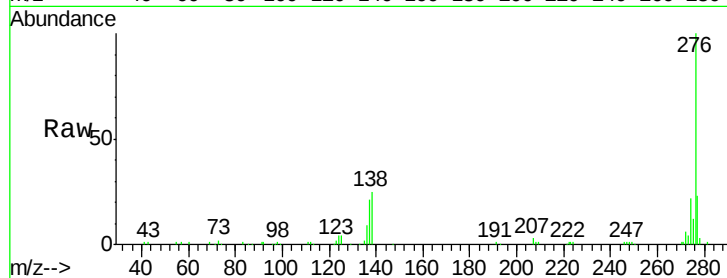
Tot Ion: 276 Resp: 174576

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 24.6 21.4 32.2



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

