

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087254.D
 Acq On : 21 May 2016 6:13
 Operator : UM/SJ
 Sample : H3144-07MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Quant Time: May 21 06:44:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	129210	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	550921	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	252522	20.00	ng	-0.06
63) Phenanthrene-d10	11.07	188	481078	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	301914	20.00	ng	-0.07
86) Perylene-d12	15.04	264	257289	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.15	112	1110091	144.41	ng	-0.05
7) Phenol-d6	6.24	99	1477485	143.30	ng	-0.05
23) Nitrobenzene-d5	7.14	82	1015440	91.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	369562	132.44	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1416549	92.90	ng	-0.06
78) Terphenyl-d14	12.65	244	1389527	104.11	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.03	88	137209	34.70	ng	# 70
3) Pyridine	2.74	79	64857	6.78	ng	# 62
4) n-Nitrosodimethylamine	2.62	42	289593	42.72	ng	# 47
6) Aniline	6.23	93	292407	22.33	ng	# 75
8) 2-Chlorophenol	6.35	128	398821	42.64	ng	97
9) Benzaldehyde	6.11	77	127028	19.80	ng	95
10) Phenol	6.25	94	532277	41.07	ng	92
11) bis(2-Chloroethyl)ether	6.31	93	431247	44.31	ng	89
12) 1,3-Dichlorobenzene	6.73	146	366578	36.87	ng	98
13) 1,4-Dichlorobenzene	6.73	146	370550	36.43	ng	97
14) 1,2-Dichlorobenzene	6.73	146	373857	41.98	ng	96
15) Benzyl Alcohol	6.73	79	391273	50.98	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.86	45	812883	40.63	ng	59
17) 2-Methylphenol	6.86	107	349787	45.54	ng	# 79
18) Hexachloroethane	7.06	117	167474	43.06	ng	96
19) n-Nitroso-di-n-propylamine	6.99	70	314513	40.13	ng	# 67
20) 3+4-Methylphenols	7.02	107	478462	47.22	ng	# 59
22) Acetophenone	6.98	105	603796	44.78	ng	# 96
24) Nitrobenzene	7.15	77	455210	37.71	ng	94
25) Isophorone	7.39	82	887959	43.88	ng	97
26) 2-Nitrophenol	7.47	139	227262	45.45	ng	# 75
27) 2,4-Dimethylphenol	7.53	122	369803	43.34	ng	87
28) bis(2-Chloroethoxy)methane	7.61	93	506121	45.56	ng	# 98
29) 2,4-Dichlorophenol	7.72	162	374647	49.83	ng	97
30) 1,2,4-Trichlorobenzene	7.79	180	375292	44.98	ng	98
31) Naphthalene	7.86	128	1182853	43.94	ng	99
32) Benzoic acid	7.70	122	149427	29.38	ng	# 80
33) 4-Chloroaniline	7.94	127	162593	14.53	ng	96
34) Hexachlorobutadiene	7.99	225	214307	45.26	ng	98
35) Caprolactam	8.32	113	55506	22.17	ng	# 46
36) 4-Chloro-3-methylphenol	8.44	107	388072	42.79	ng	90
37) 2-Methylnaphthalene	8.56	142	782817	45.46	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.73	216	347521	47.12	ng	99
40) Hexachlorocyclopentadiene	8.71	237	256805	89.17	ng	96

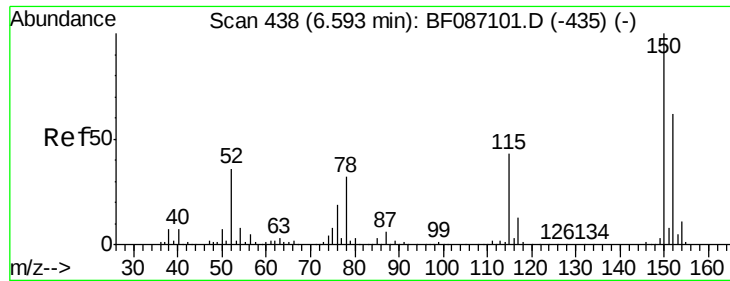
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42) 2,4,6-Trichlorophenol	8.86	196	217906	45.56	ng	92
43) 2,4,5-Trichlorophenol	8.90	196	231103	46.51	ng #	89
45) 1,1'-Biphenyl	9.03	154	1034878	49.42	ng	100
46) 2-Chloronaphthalene	9.05	162	756955	47.09	ng	99
47) 2-Nitroaniline	9.16	65	296335	48.11	ng	98
48) Acenaphthylene	9.45	152	1093673	44.56	ng	99
49) Dimethylphthalate	9.34	163	989967	51.39	ng	99
50) 2,6-Dinitrotoluene	9.40	165	196274	46.92	ng #	85
51) Acenaphthene	9.62	154	634975	41.41	ng	98
52) 3-Nitroaniline	9.58	138	132038	29.16	ng	92
53) 2,4-Dinitrophenol	9.69	184	165050	69.53	ng #	70
54) Dibenzofuran	9.80	168	978418	49.34	ng	100
55) 4-Nitrophenol	9.79	139	635472	130.97	ng #	27
56) 2,4-Dinitrotoluene	9.82	165	268185	50.06	ng #	72
57) Fluorene	10.14	166	693393	43.52	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.93	232	194724	50.32	ng	97
59) Diethylphthalate	10.03	149	802575	43.64	ng	99
60) 4-Chlorophenyl-phenylether	10.14	204	379095	50.20	ng	90
61) 4-Nitroaniline	10.19	138	179720	40.20	ng #	70
62) Azobenzene	10.30	77	1107132	52.25	ng	88
64) 4,6-Dinitro-2-methylphenol	10.23	198	132780	41.91	ng	90
65) n-Nitrosodiphenylamine	10.26	169	662767	43.78	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	215315	43.52	ng #	89
67) Hexachlorobenzene	10.68	284	236336	41.20	ng #	77
68) Atrazine	10.80	200	241171	48.83	ng	94
69) Pentachlorophenol	10.89	266	178771	82.97	ng	96
70) Phenanthrene	11.10	178	1179335	45.20	ng	99
71) Anthracene	11.14	178	1078032	40.85	ng	99
72) Carbazole	11.31	167	1093218	45.35	ng	99
73) Di-n-butylphthalate	11.65	149	1347539	48.66	ng	99
74) Fluoranthene	12.27	202	1097150	41.97	ng	96
76) Benzidine	12.42	184	34438	3.97	ng	98
77) Pyrene	12.50	202	1166875	53.50	ng	100
79) Butylbenzylphthalate	13.13	149	536242	58.24	ng	93
80) Benzo(a)anthracene	13.68	228	789772	45.24	ng	99
81) 3,3'-Dichlorobenzidine	13.66	252	168561	15.17	ng #	95
82) Chrysene	13.73	228	868905	51.45	ng	100
83) Bis(2-ethylhexyl)phthalate	13.69	149	663783	59.23	ng #	99
84) Di-n-octyl phthalate	14.30	149	1078623	55.87	ng #	86
85) Indeno(1,2,3-cd)pyrene	16.27	276	702457	47.38	ng	95
87) Benzo(b)fluoranthene	14.69	252	1371589	80.36	ng #	96
88) Benzo(k)fluoranthene	14.69	252	1371589	107.94	ng	99
89) Benzo(a)pyrene	14.99	252	649201	45.50	ng	99
90) Dibenzo(a,h)anthracene	16.27	278	590012	49.12	ng	96
91) Benzo(g,h,i)perylene	16.63	276	607230	50.05	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

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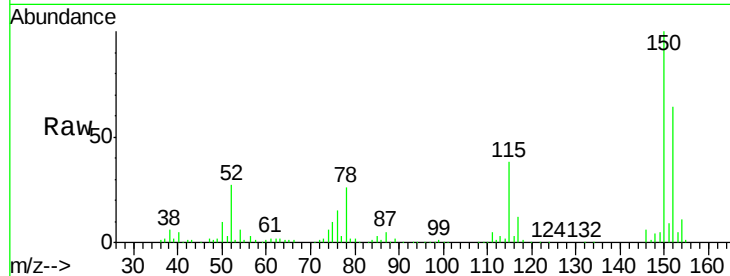
Tgt Ion:152 Resp: 129210

Ion Ratio Lower Upper

152 100

150 155.7 125.8 188.6

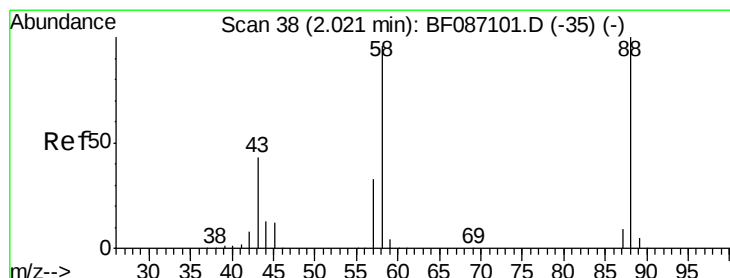
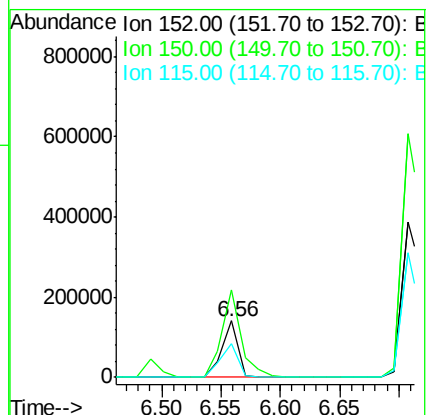
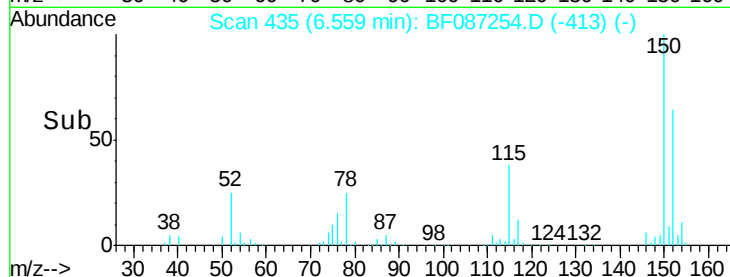
115 59.6 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.70 ng

RT: 2.03 min Scan# 39

Delta R.T. -0.02 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

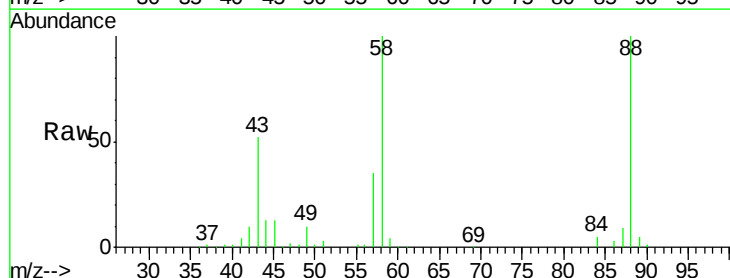
Tgt Ion: 88 Resp: 137209

Ion Ratio Lower Upper

88 100

58 92.3 59.6 89.4#

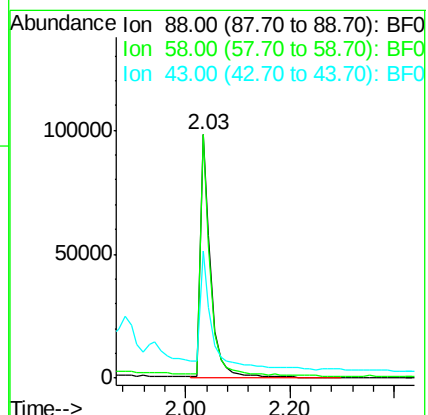
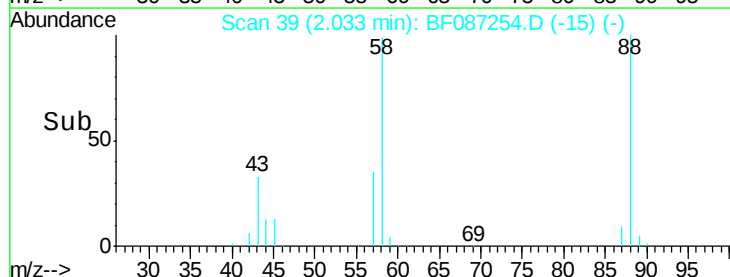
43 54.9 21.8 32.6#

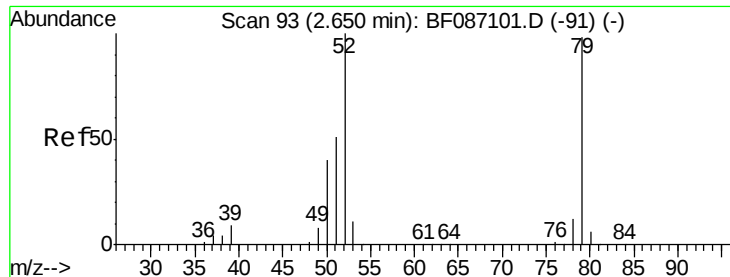


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 6.78 ng

RT: 2.74 min Scan# 101

Delta R.T. 0.06 min

Lab File: BF087254.D

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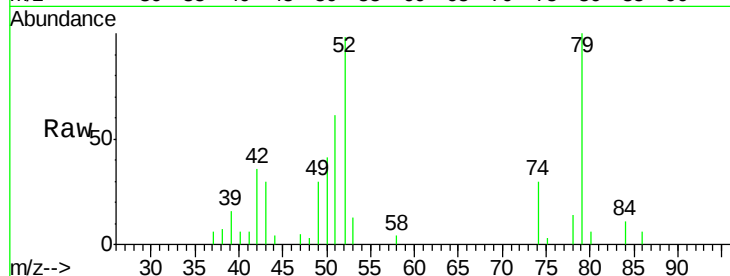
Tgt Ion: 79 Resp: 64857

Ion Ratio Lower Upper

79 100

52 98.3 55.9 83.9#

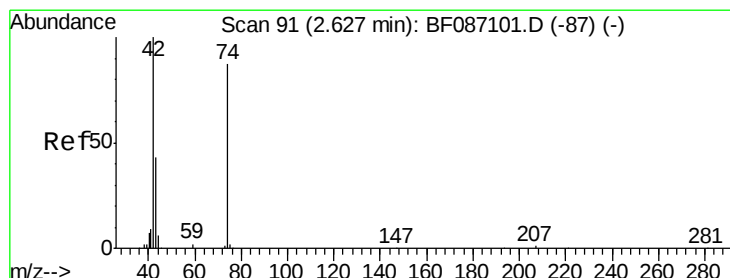
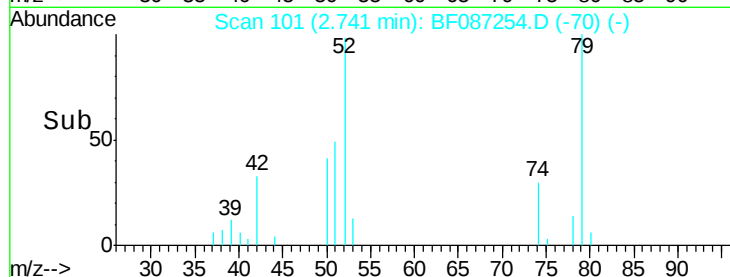
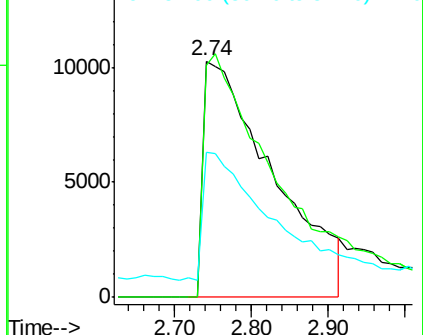
51 61.4 28.1 42.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 42.72 ng

RT: 2.62 min Scan# 90

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

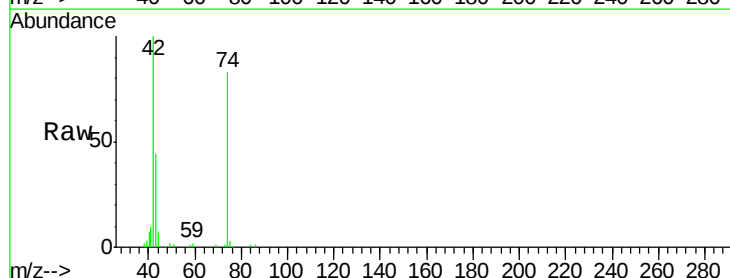
Tgt Ion: 42 Resp: 289593

Ion Ratio Lower Upper

42 100

74 82.6 123.4 185.0#

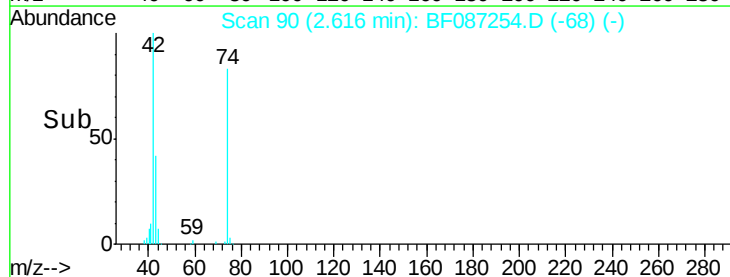
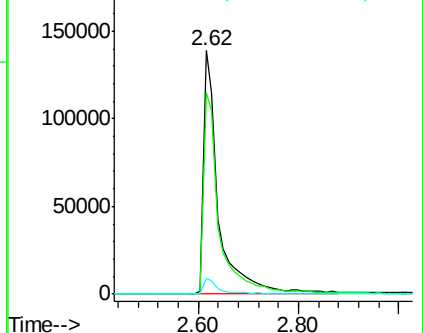
44 6.5 5.8 8.6

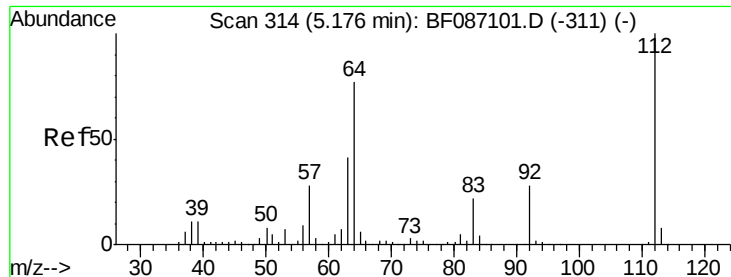


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 144.41 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087254.D

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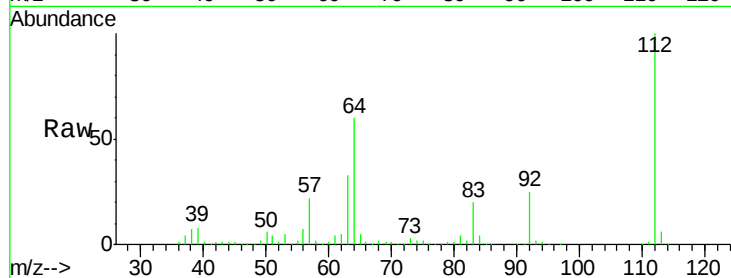
Tgt Ion: 112 Resp: 1110091

Ion Ratio Lower Upper

112 100

64 60.3 52.1 78.1

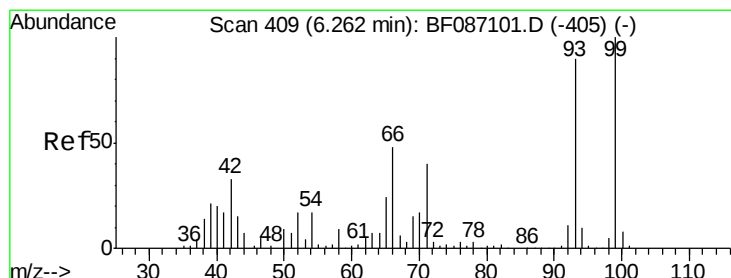
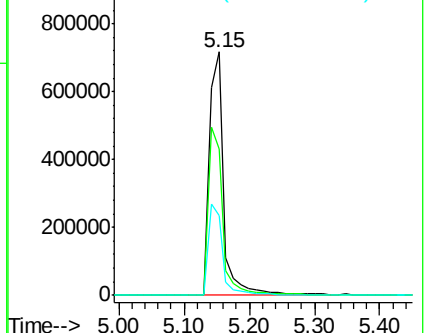
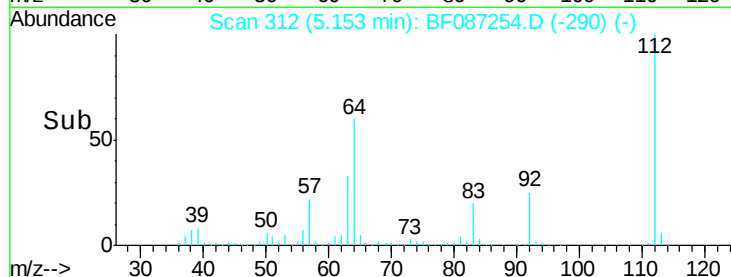
63 32.9 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.33 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

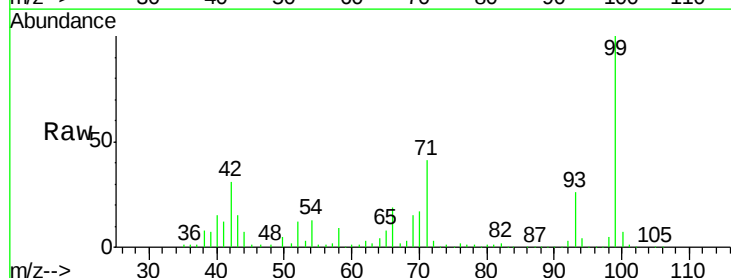
Tgt Ion: 93 Resp: 292407

Ion Ratio Lower Upper

93 100

66 71.2 39.0 58.6#

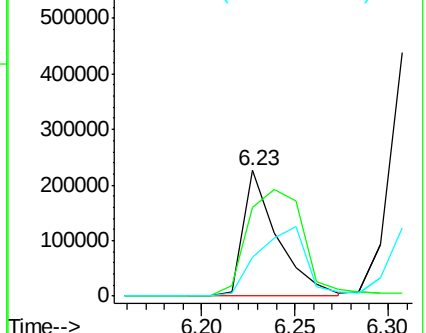
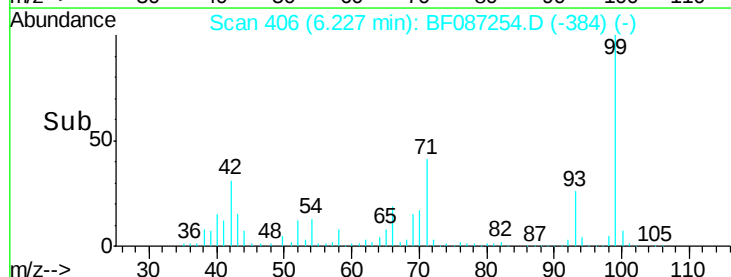
65 30.5 20.6 31.0

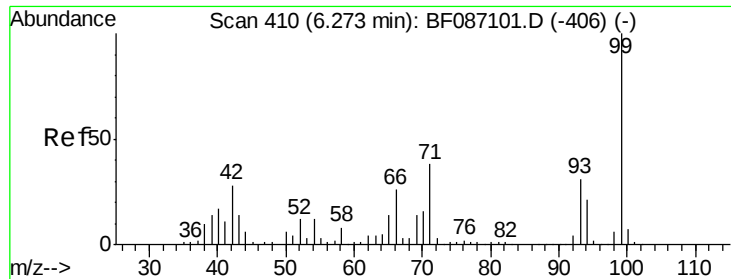


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.30 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

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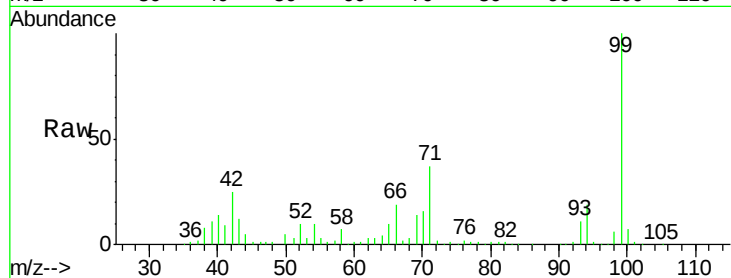
Tgt Ion: 99 Resp: 1477485

Ion Ratio Lower Upper

99 100

42 25.3 13.6 20.4#

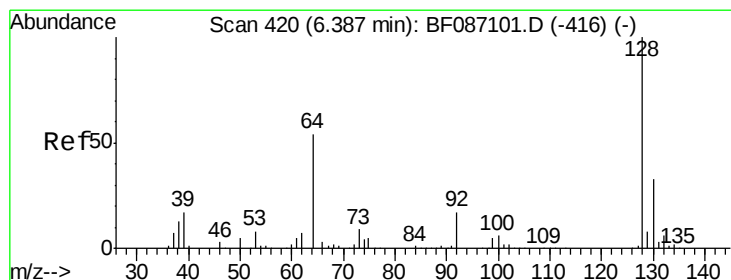
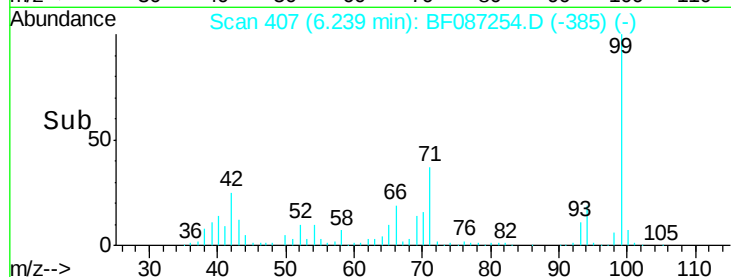
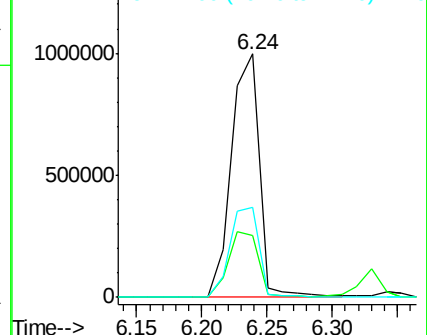
71 37.0 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.64 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

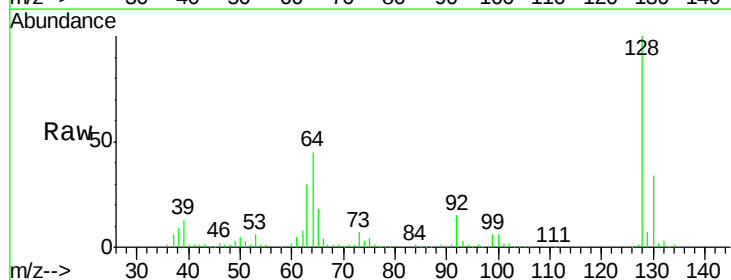
Tgt Ion: 128 Resp: 398821

Ion Ratio Lower Upper

128 100

130 33.7 12.5 52.5

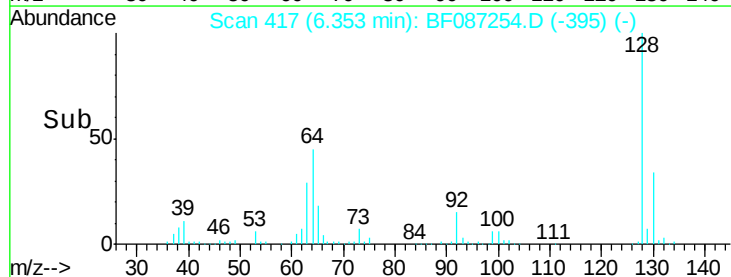
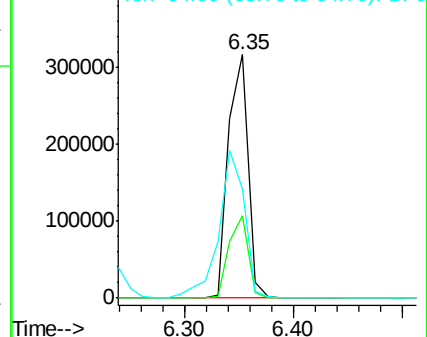
64 44.9 27.3 67.3

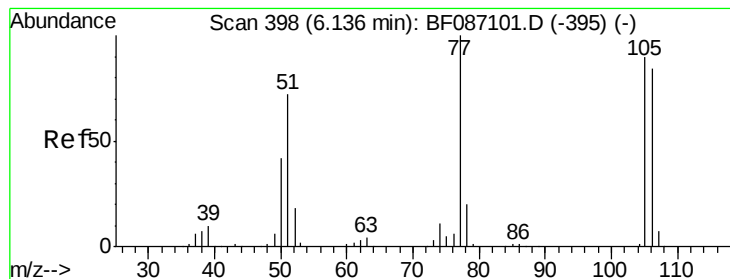


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 19.80 ng

RT: 6.11 min Scan# 396

Delta R.T. -0.03 min

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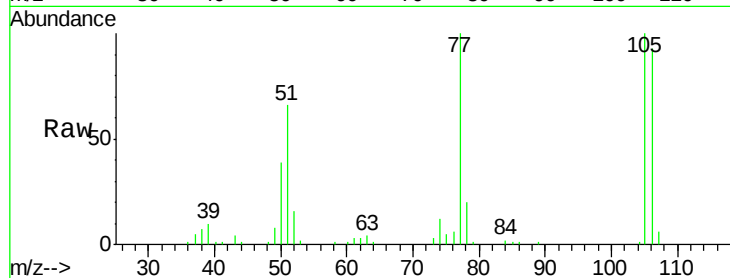
Tgt Ion: 77 Resp: 127028

Ion Ratio Lower Upper

77 100

105 99.9 72.7 112.7

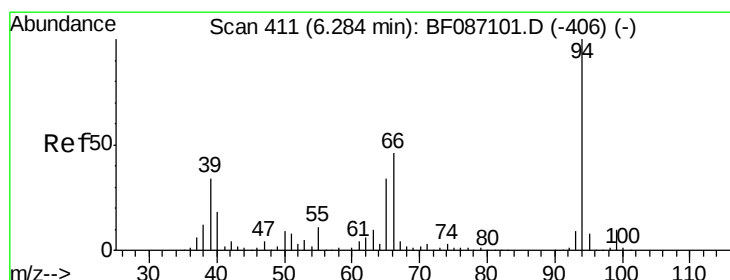
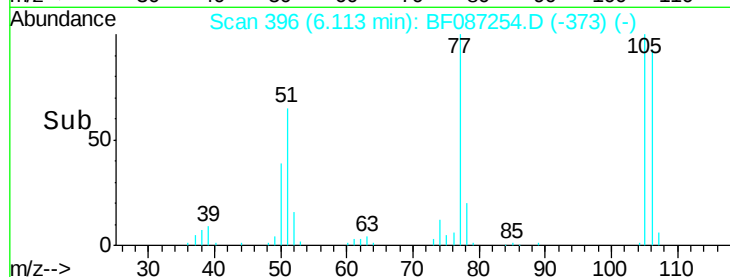
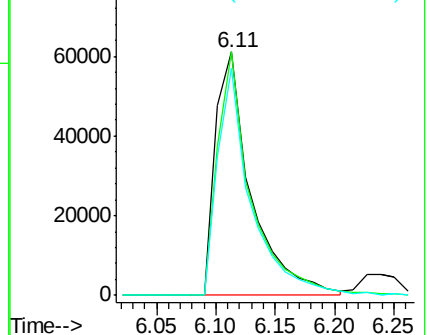
106 93.1 70.8 110.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 41.07 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.05 min

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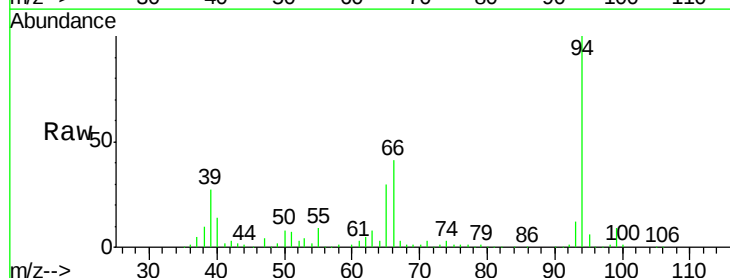
Tgt Ion: 94 Resp: 532277

Ion Ratio Lower Upper

94 100

65 30.0 7.2 47.2

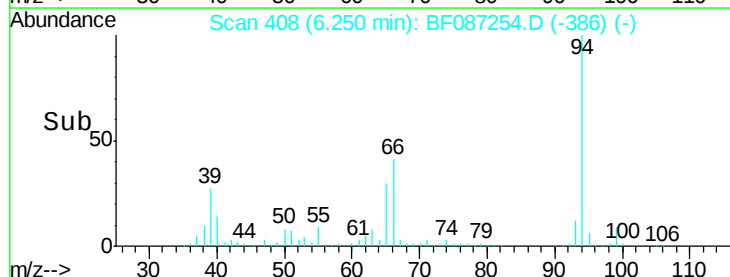
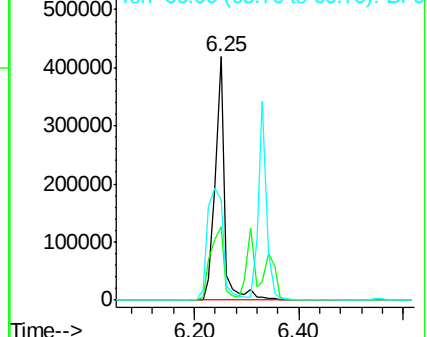
66 41.1 14.9 54.9

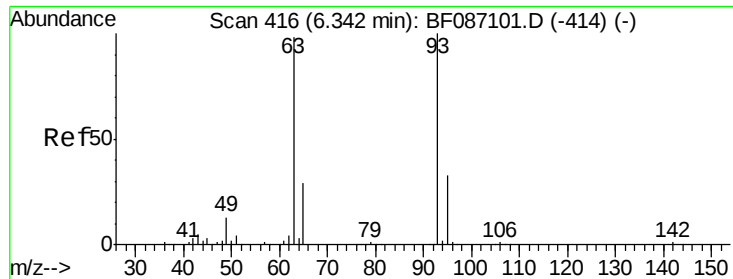


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 44.31 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

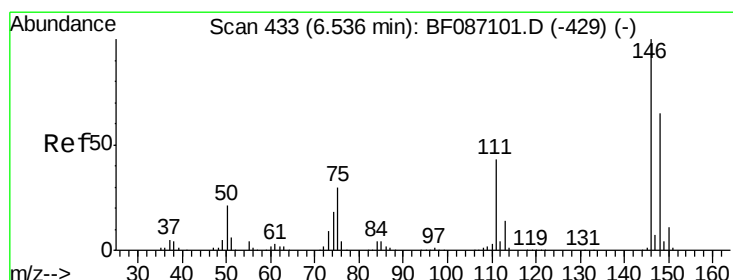
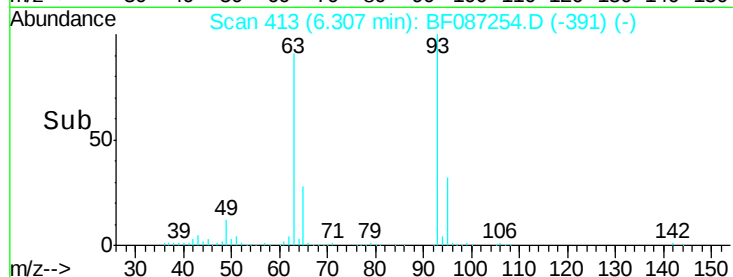
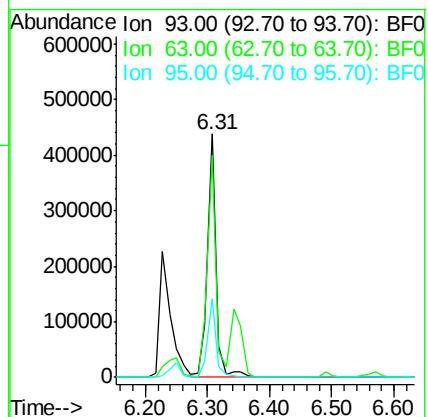
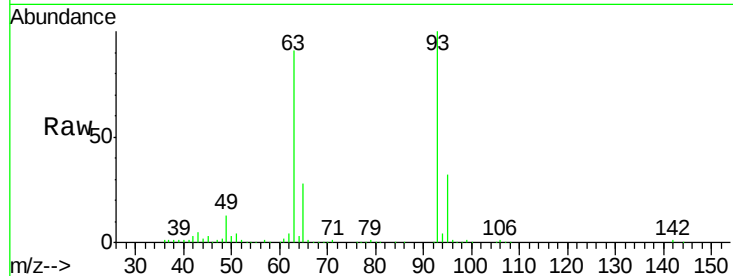
Tgt Ion: 93 Resp: 431247

Ion Ratio Lower Upper

93 100

63 91.1 58.0 98.0

95 32.5 11.9 51.9



#12

1,3-Dichlorobenzene

Concen: 36.87 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.18 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

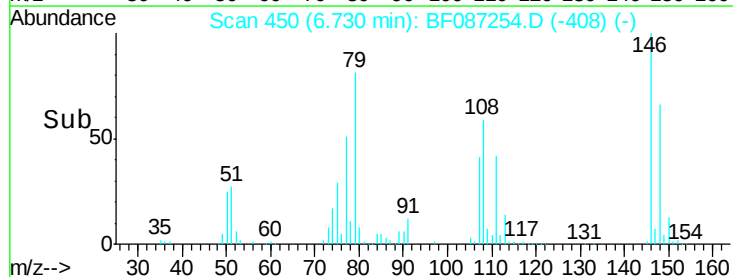
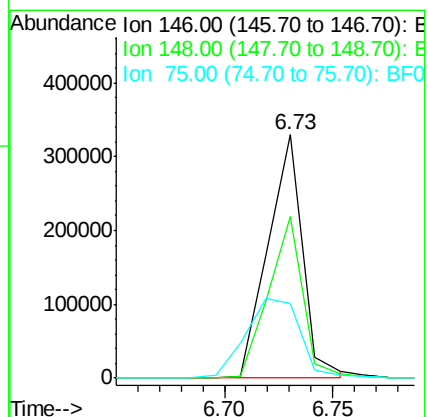
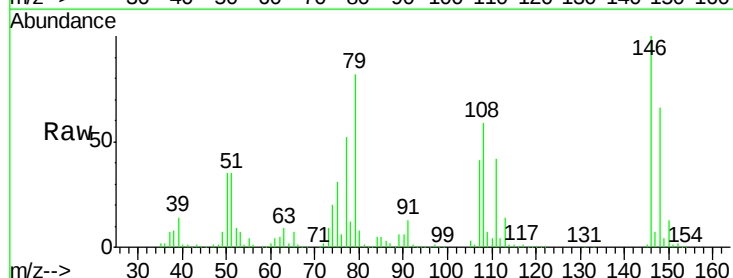
Tgt Ion: 146 Resp: 366578

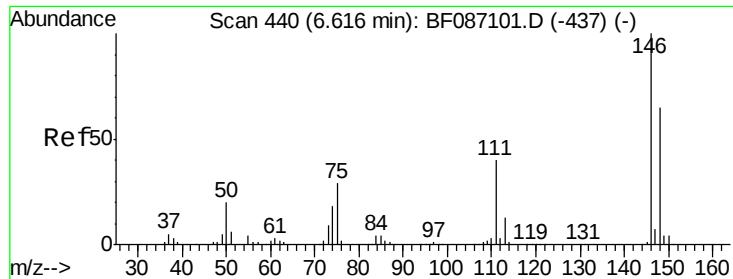
Ion Ratio Lower Upper

146 100

148 66.2 52.4 78.6

75 30.5 22.8 34.2

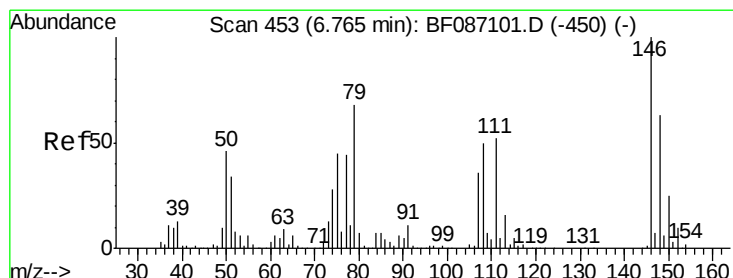
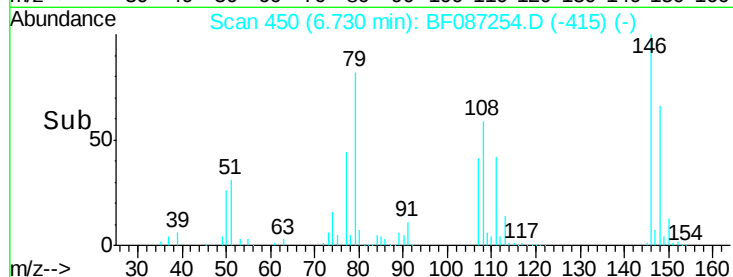
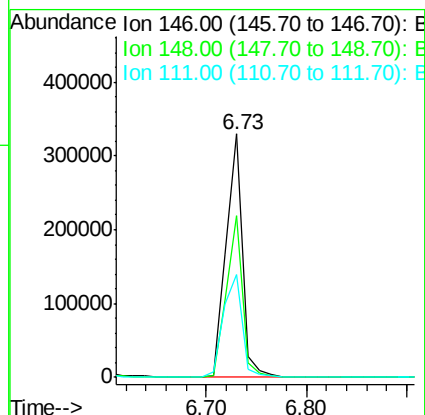
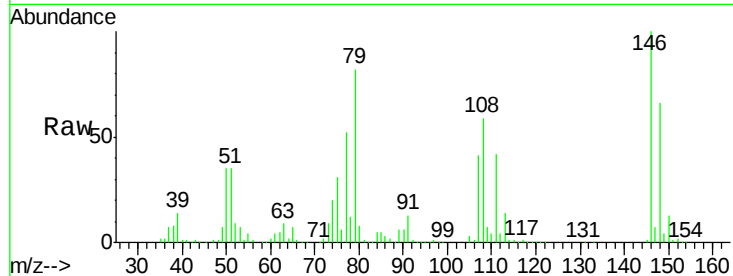




#13
 1,4-Dichlorobenzene
 Concen: 36.43 ng
 RT: 6.73 min Scan# 450
 Delta R.T. 0.10 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

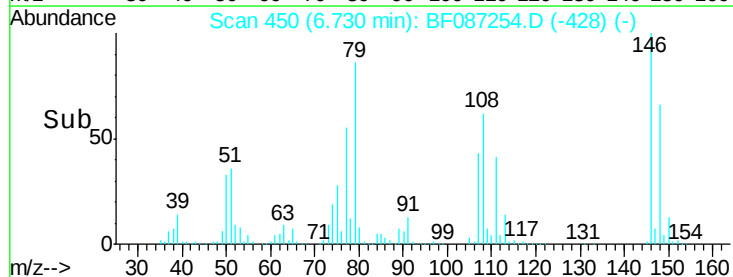
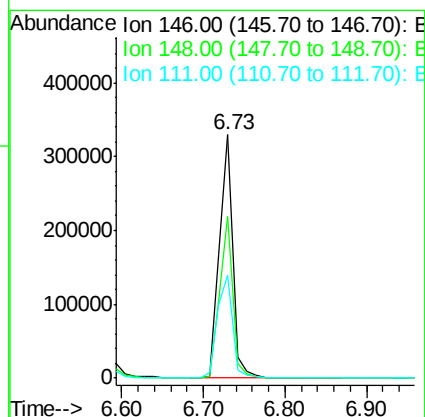
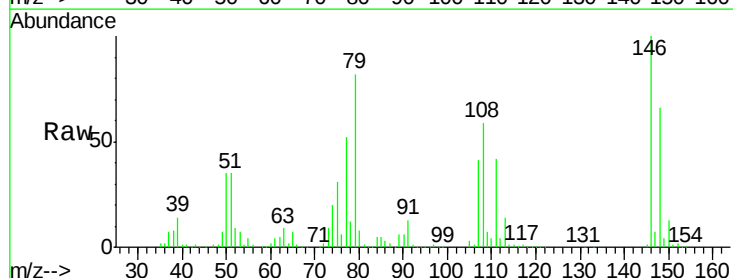
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

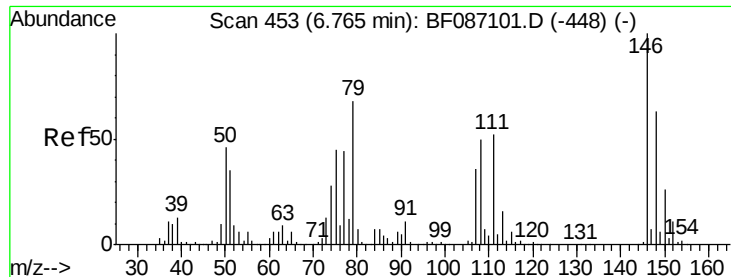
Tgt Ion:146 Resp: 370550
 Ion Ratio Lower Upper
 146 100
 148 66.2 52.2 78.4
 111 42.1 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 41.98 ng
 RT: 6.73 min Scan# 450
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion:146 Resp: 373857
 Ion Ratio Lower Upper
 146 100
 148 66.2 51.0 76.6
 111 42.1 36.2 54.4





#15

Benzyl Alcohol

Concen: 50.98 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

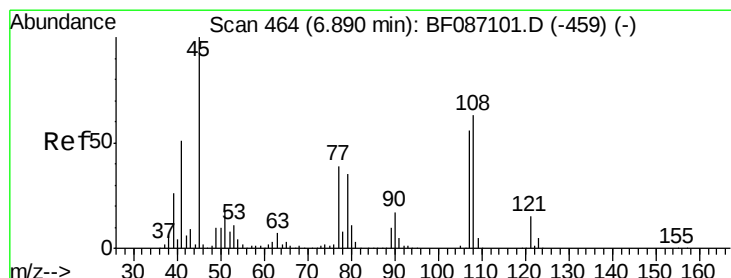
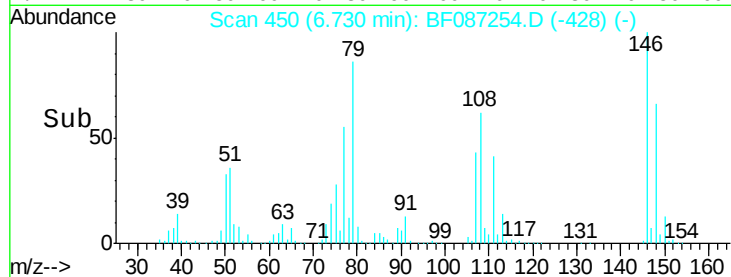
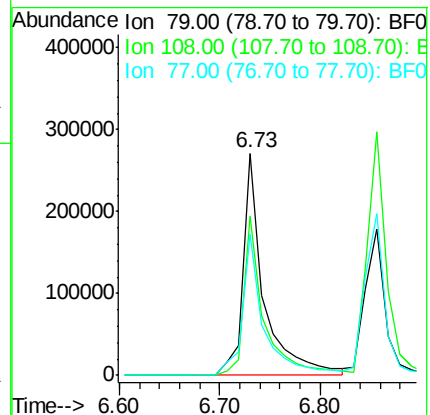
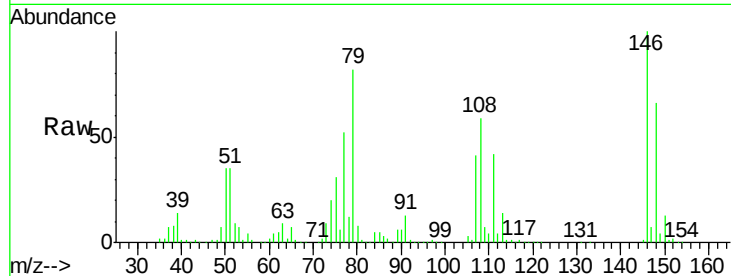
Tgt Ion: 79 Resp: 391273

Ion Ratio Lower Upper

79 100

108 71.9 68.4 102.6

77 63.8 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.63 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

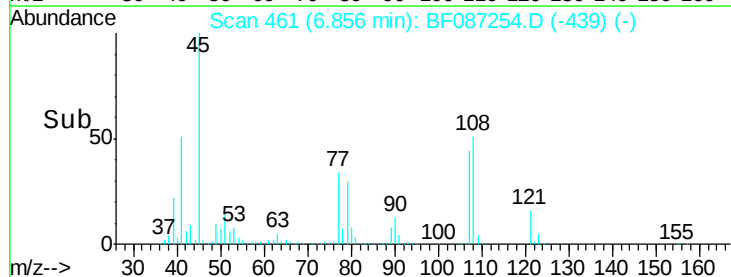
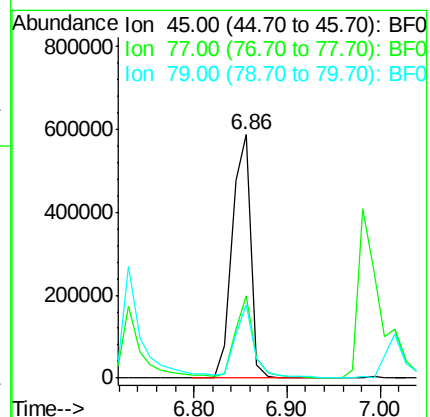
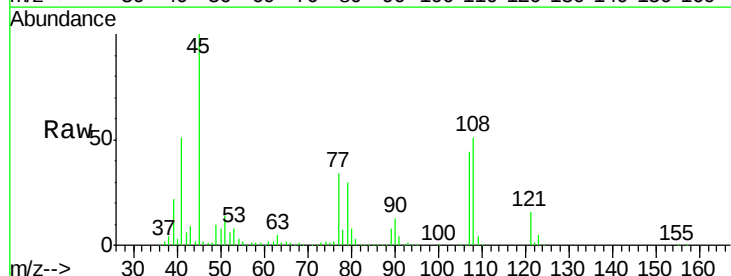
Tgt Ion: 45 Resp: 812883

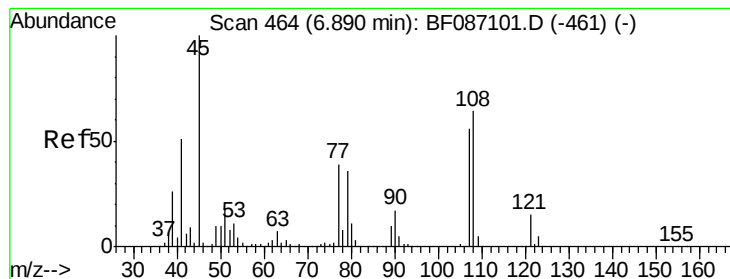
Ion Ratio Lower Upper

45 100

77 33.6 0.0 36.4

79 30.4 0.0 33.4





#17

2-Methylphenol

Concen: 45.54 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

Tgt Ion:107 Resp: 349787

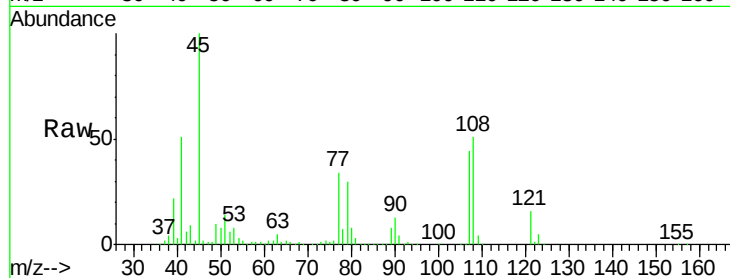
Ion Ratio Lower Upper

107 100

108 113.7 93.7 140.5

77 75.5 33.4 50.0#

79 68.3 34.3 51.5#



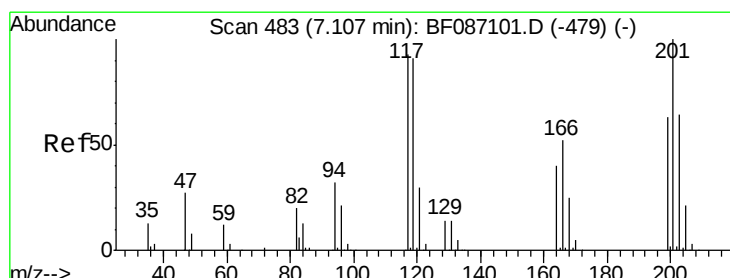
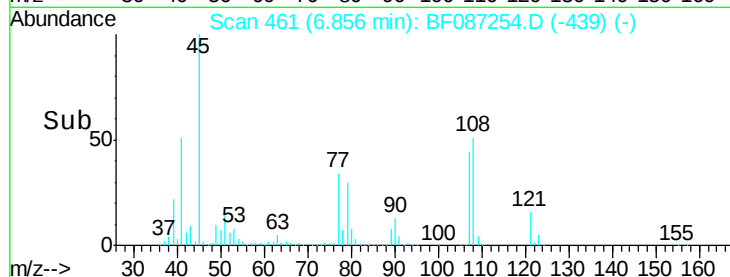
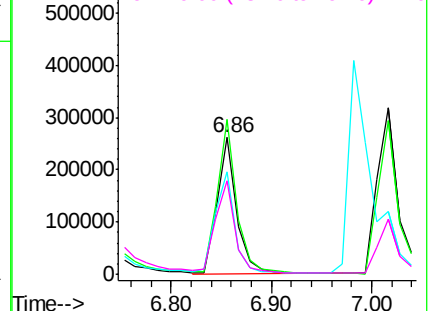
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 43.06 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

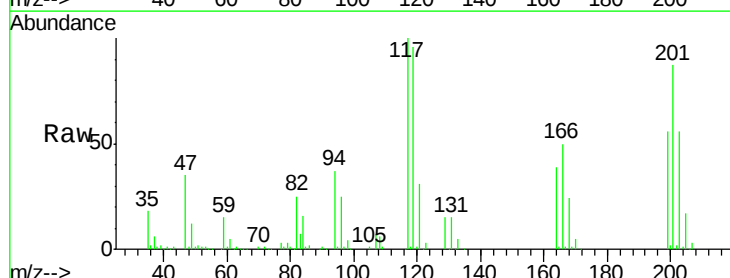
Tgt Ion:117 Resp: 167474

Ion Ratio Lower Upper

117 100

119 96.3 76.5 114.7

201 86.6 63.0 94.6

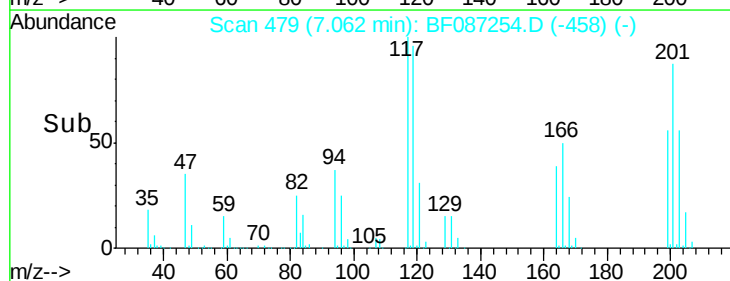
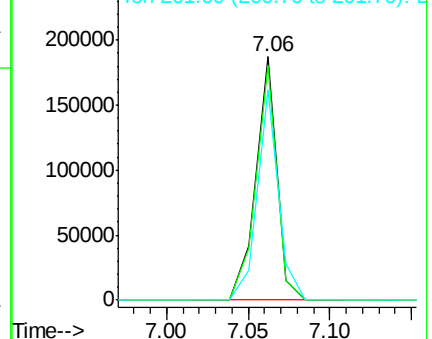


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

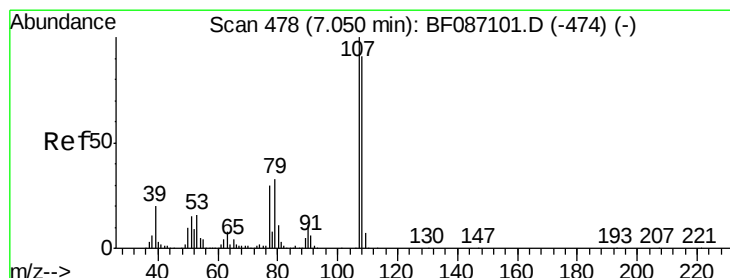
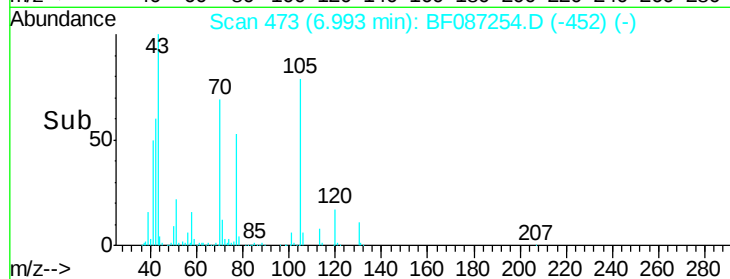
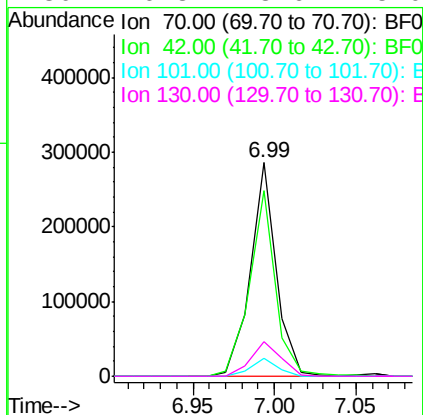
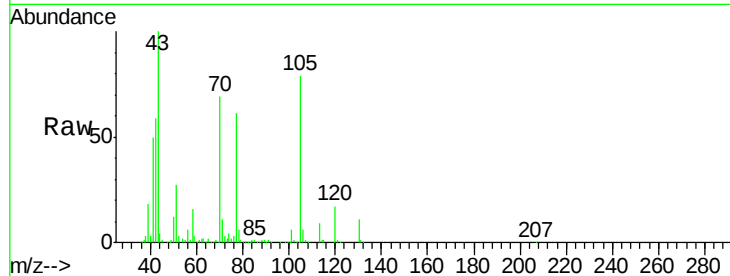




#19
n-Nitroso-di-n-propylamine
Concen: 40.13 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

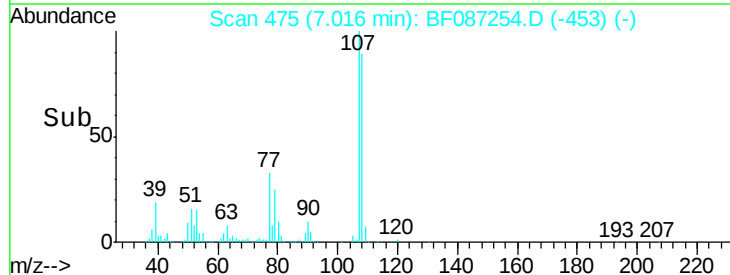
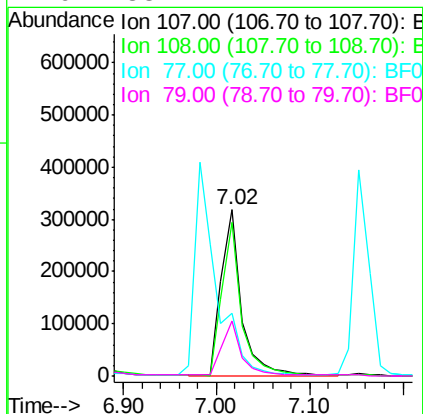
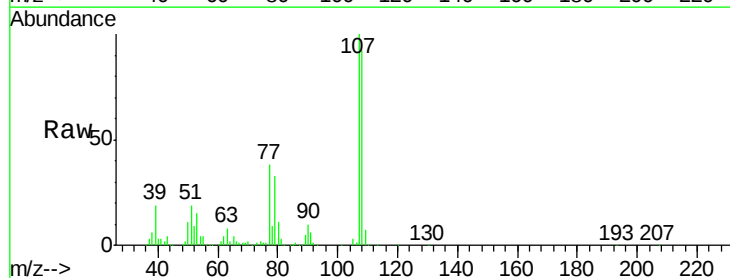
Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

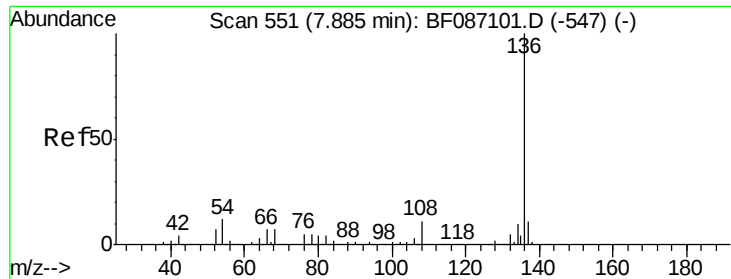
Tgt Ion: 70 Resp: 314513
Ion Ratio Lower Upper
70 100
42 86.7 43.1 64.7#
101 8.2 8.1 12.1
130 16.3 18.6 28.0#



#20
3+4-Methylphenols
Concen: 47.22 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:107 Resp: 478462
Ion Ratio Lower Upper
107 100
108 92.4 68.5 108.5
77 37.5 101.6 141.6#
79 33.4 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

Tgt Ion:136 Resp: 550921

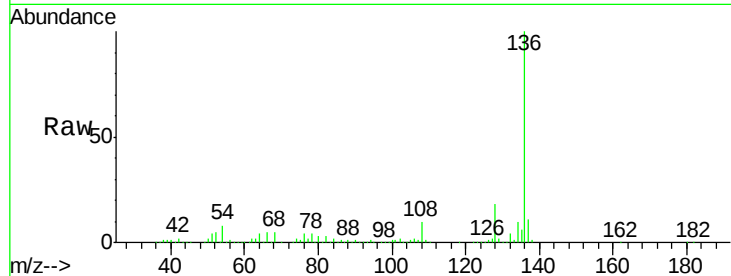
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.3 5.0 7.4#

68 4.5 4.4 6.6

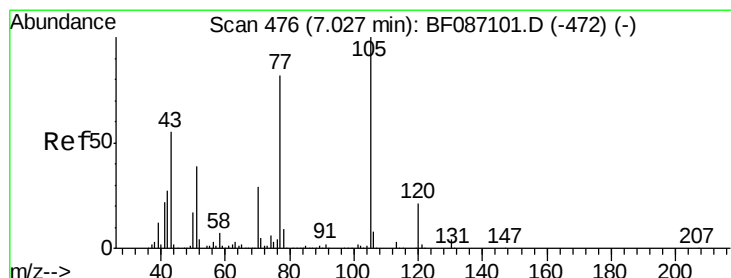
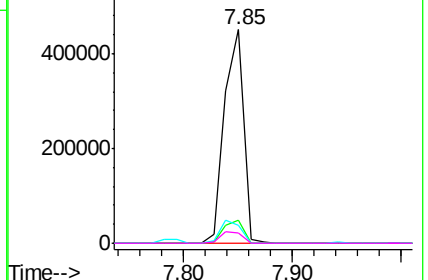
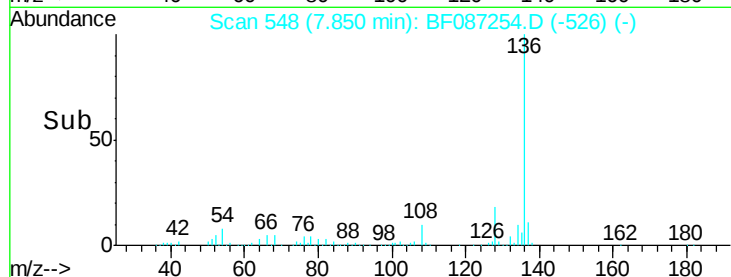


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 44.78 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Tgt Ion:105 Resp: 603796

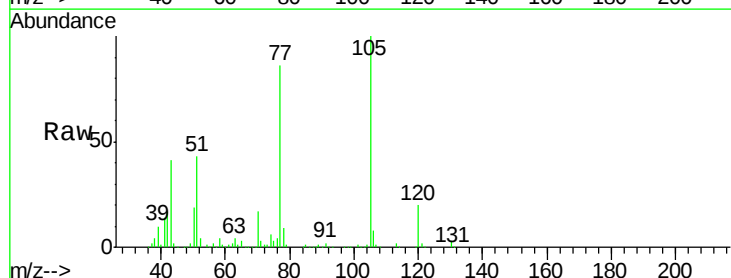
Ion Ratio Lower Upper

105 100

71 3.0 4.8 7.2#

51 43.5 32.6 49.0

120 20.1 16.5 24.7

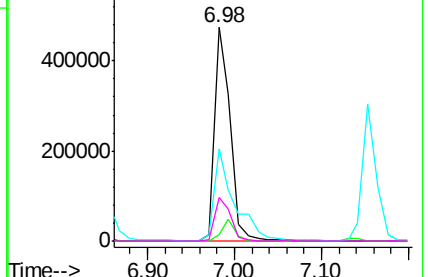
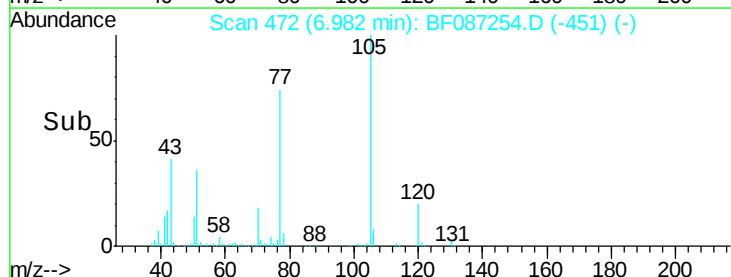


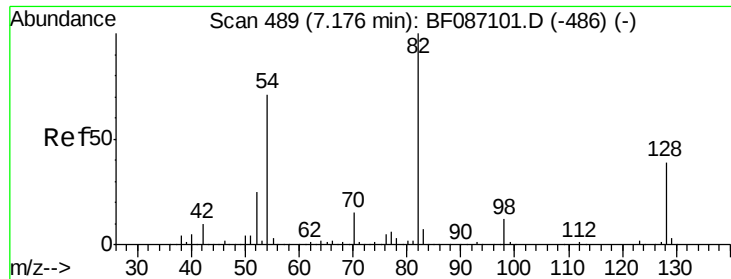
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

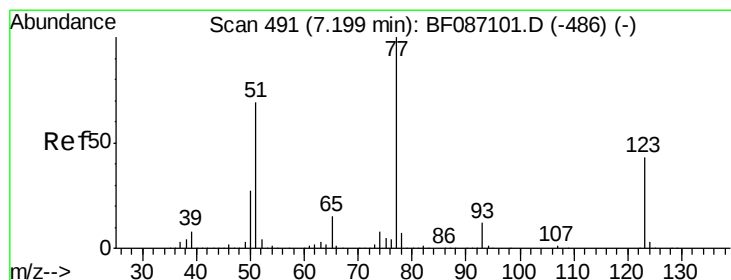
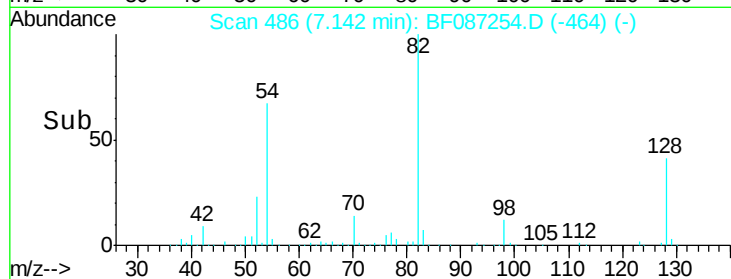
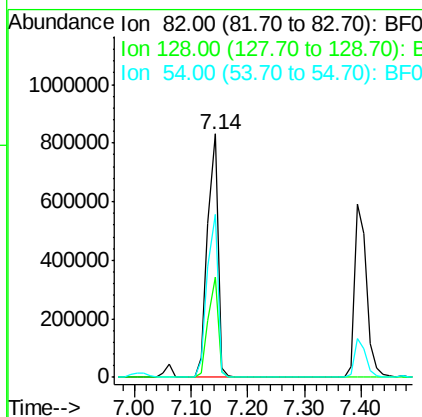
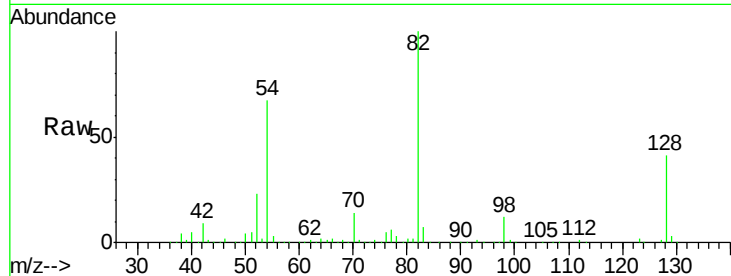




#23
 Nitrobenzene-d5
 Concen: 91.86 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

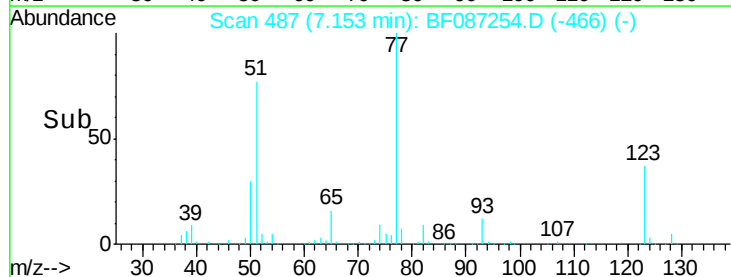
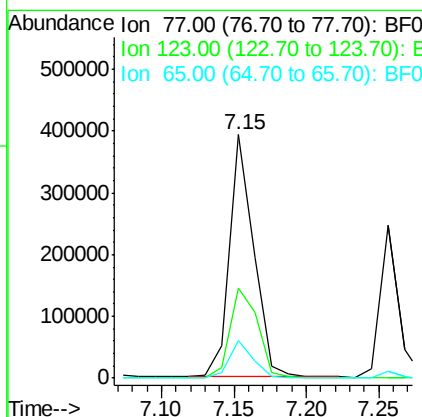
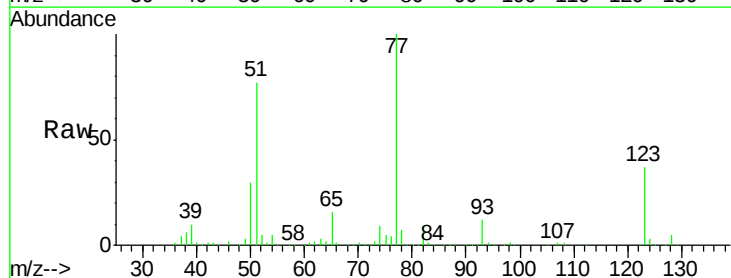
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

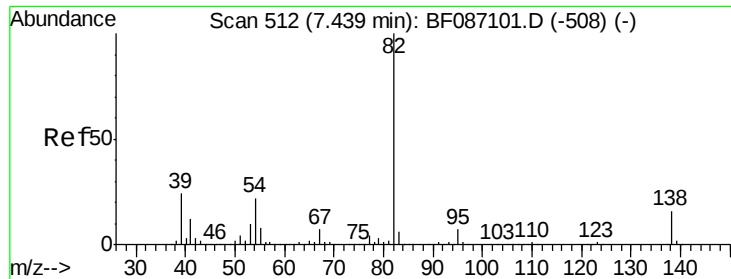
Tgt Ion: 82 Resp: 1015440
 Ion Ratio Lower Upper
 82 100
 128 41.2 40.6 61.0
 54 67.1 38.1 57.1#



#24
 Nitrobenzene
 Concen: 37.71 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion: 77 Resp: 455210
 Ion Ratio Lower Upper
 77 100
 123 37.2 33.0 49.4
 65 15.6 10.8 16.2





#25

Isophorone

Concen: 43.88 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

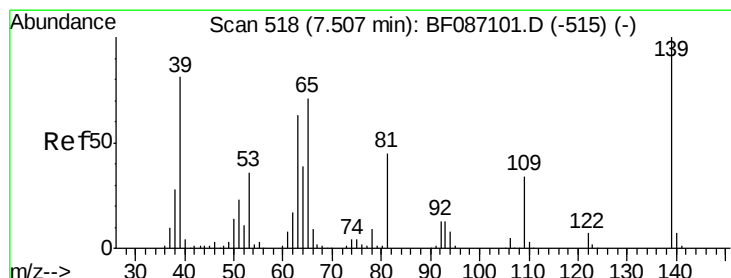
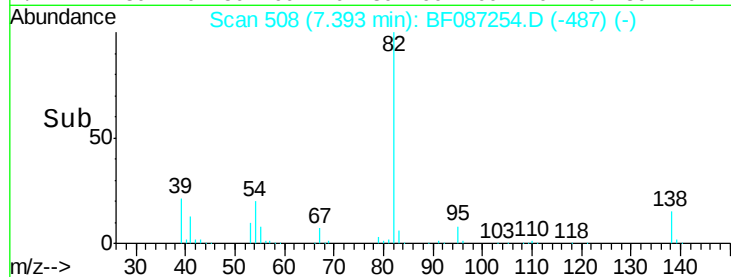
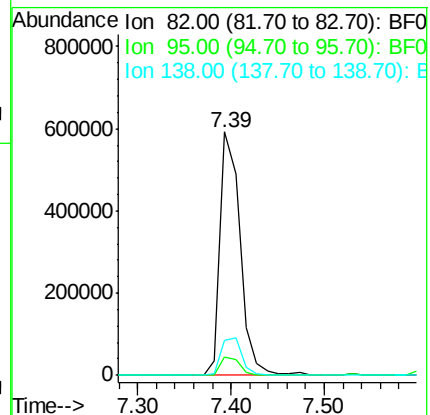
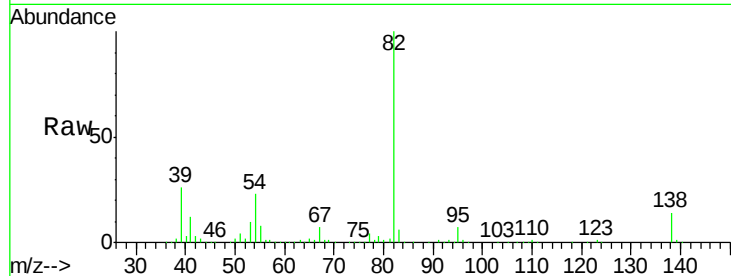
Tgt Ion: 82 Resp: 887959

Ion Ratio Lower Upper

82 100

95 7.4 5.1 7.7

138 14.3 12.4 18.6



#26

2-Nitrophenol

Concen: 45.45 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

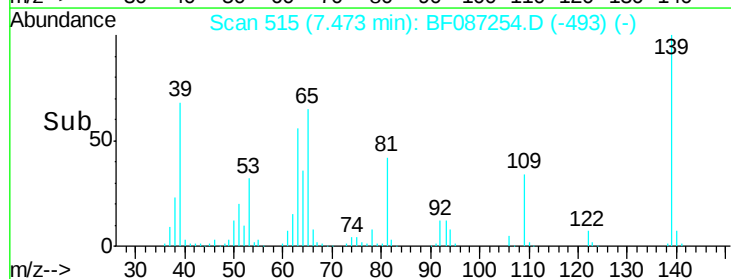
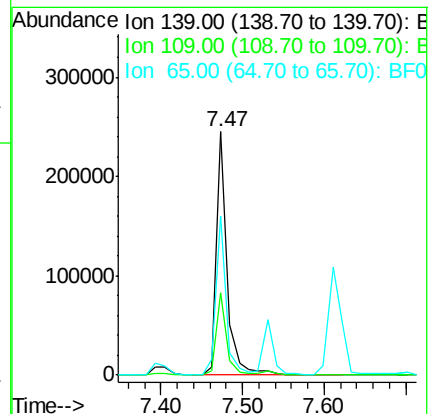
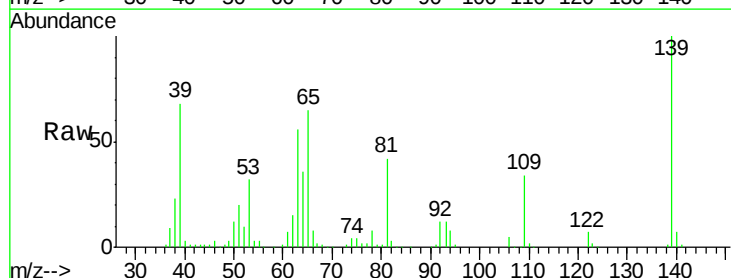
Tgt Ion: 139 Resp: 227262

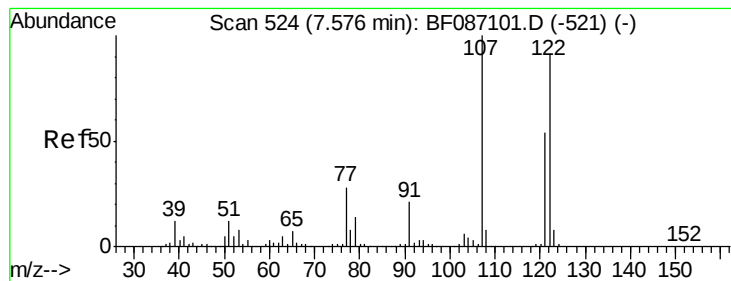
Ion Ratio Lower Upper

139 100

109 34.0 19.5 29.3#

65 65.3 37.5 56.3#





#27

2,4-Dimethylphenol

Concen: 43.34 ng

RT: 7.53 min Scan# 520

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

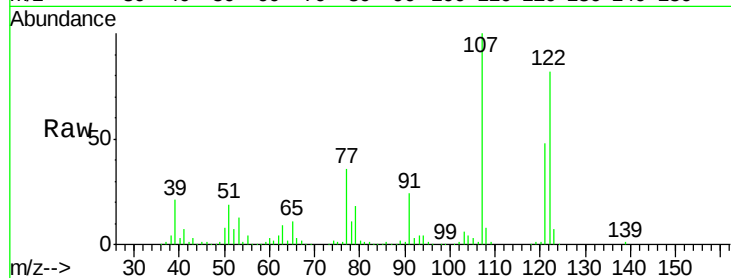
Tgt Ion:122 Resp: 369803

Ion Ratio Lower Upper

122 100

107 122.6 82.0 123.0

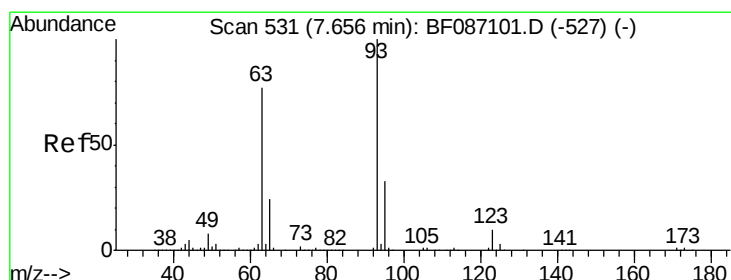
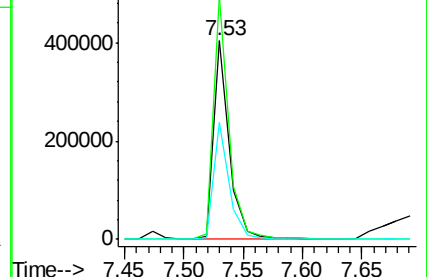
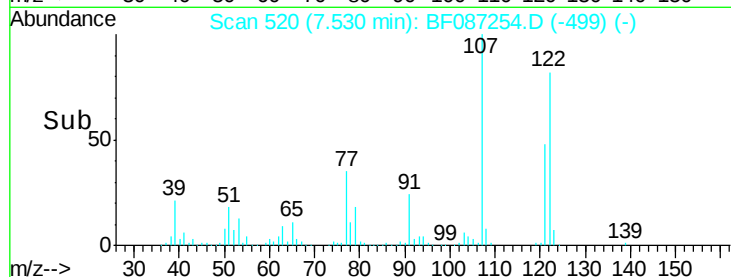
121 58.7 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.56 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

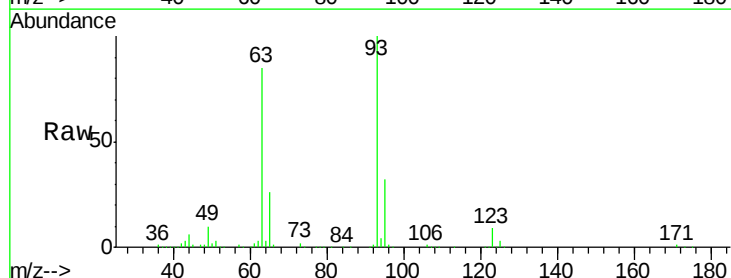
Tgt Ion: 93 Resp: 506121

Ion Ratio Lower Upper

93 100

95 32.0 26.0 39.0

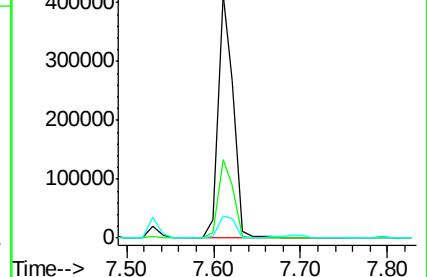
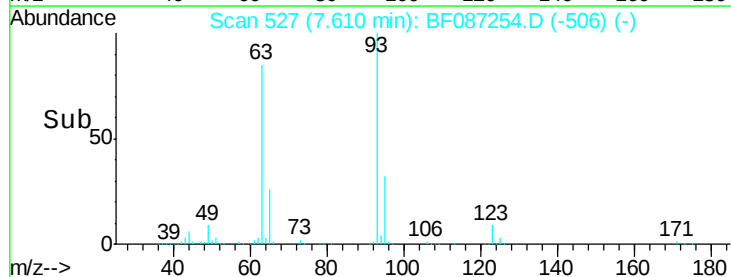
123 9.3 9.5 14.3#

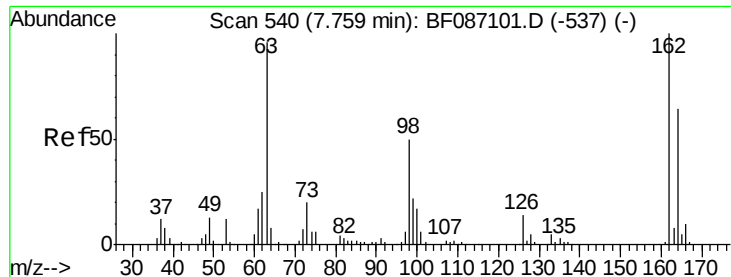


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

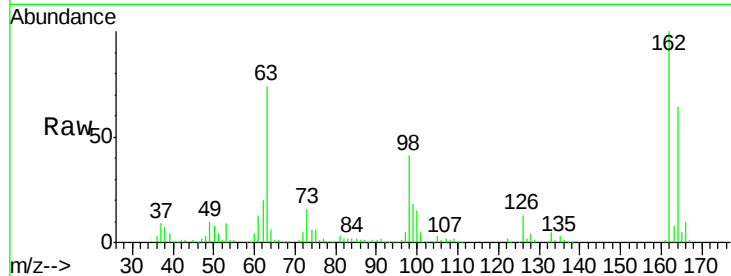




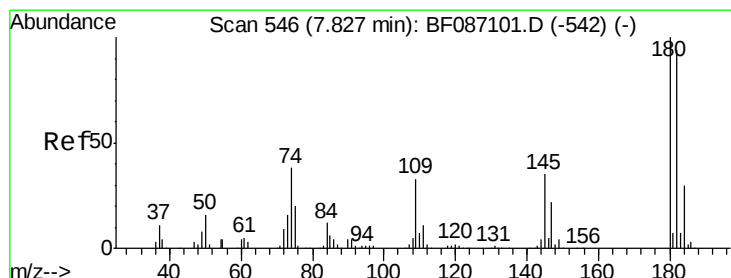
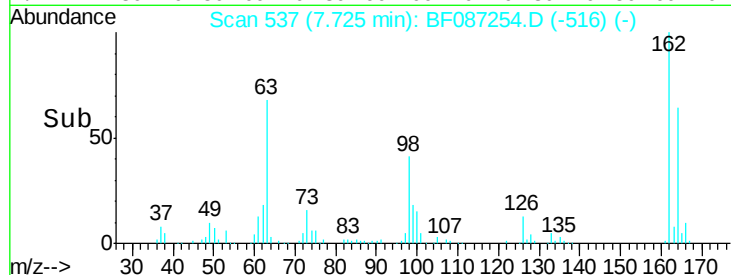
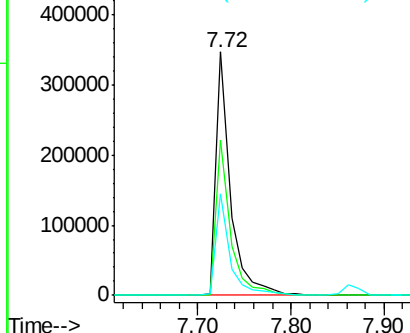
#29
 2,4-Dichlorophenol
 Concen: 49.83 ng
 RT: 7.72 min Scan# 537
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.7	42.2	82.2
98	41.5	19.0	59.0

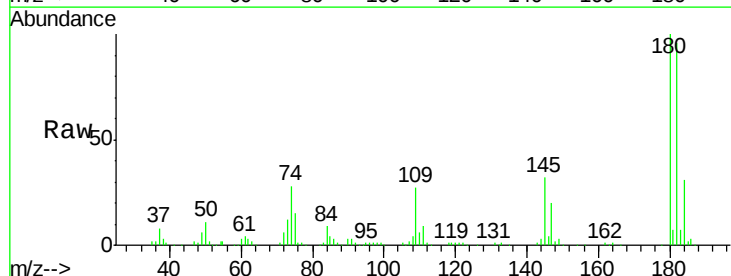


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

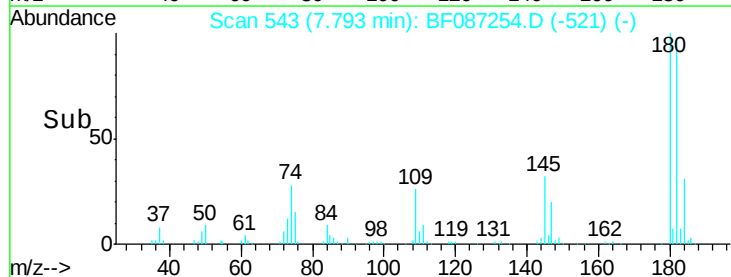
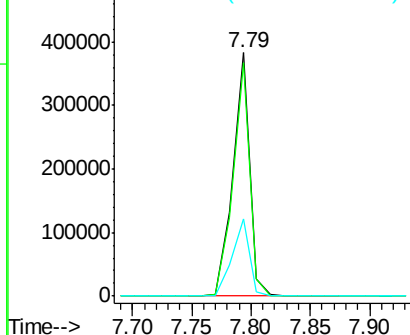


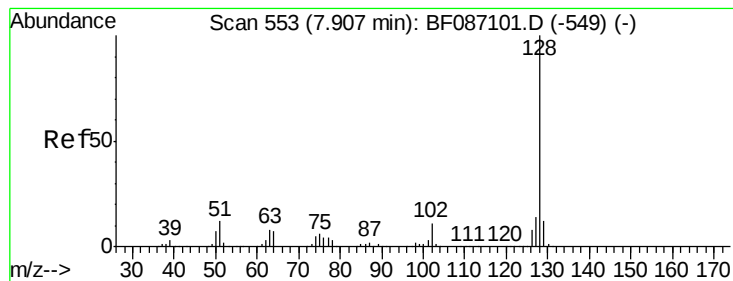
#30
 1,2,4-Trichlorobenzene
 Concen: 44.98 ng
 RT: 7.79 min Scan# 543
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.9	24.2	36.2



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





#31

Naphthalene

Concen: 43.94 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

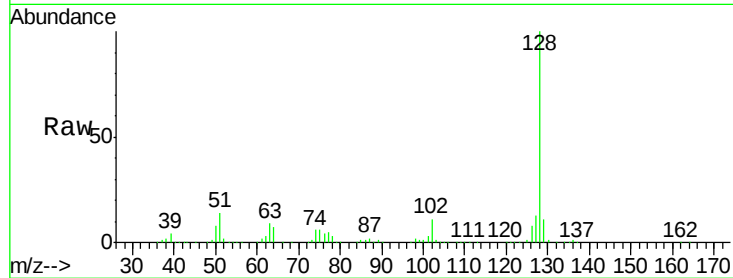
Tgt Ion:128 Resp: 1182853

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

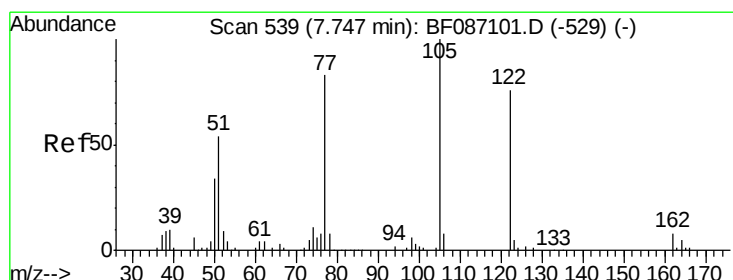
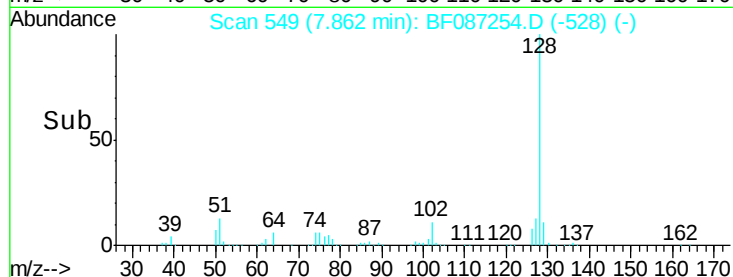
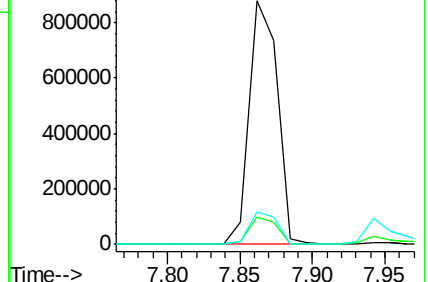
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.38 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

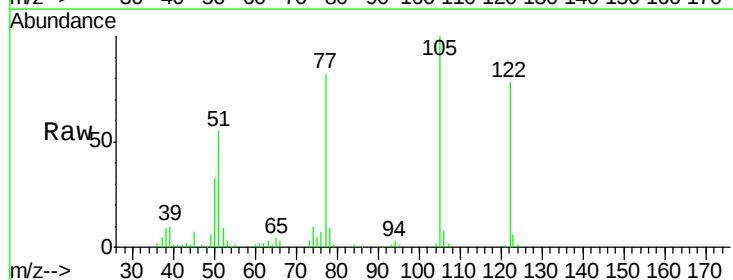
Tgt Ion:122 Resp: 149427

Ion Ratio Lower Upper

122 100

105 128.0 92.6 132.6

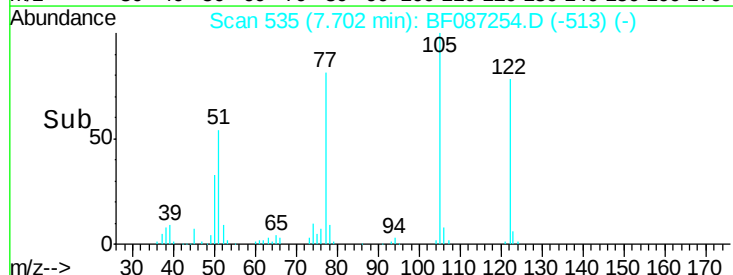
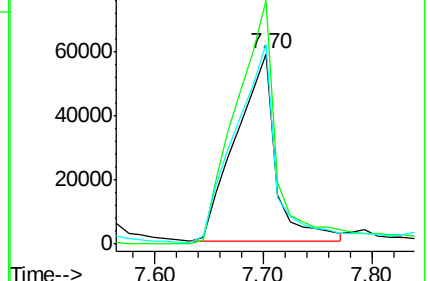
77 105.2 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

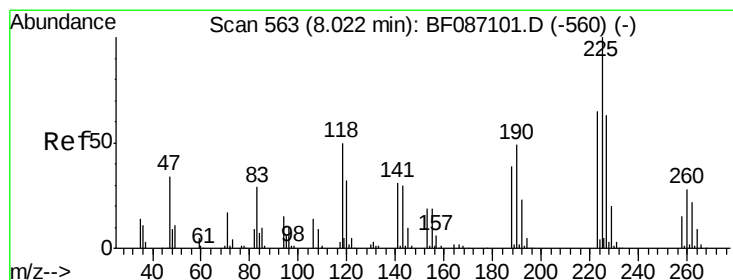
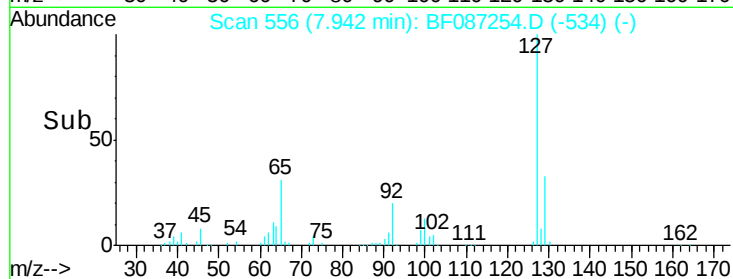
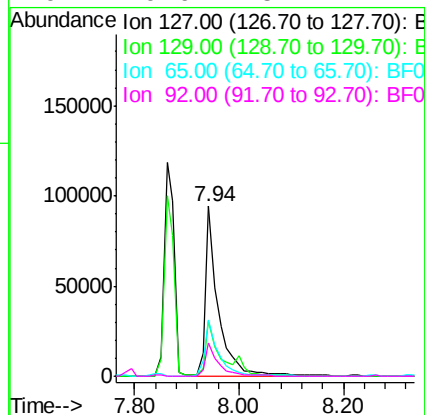
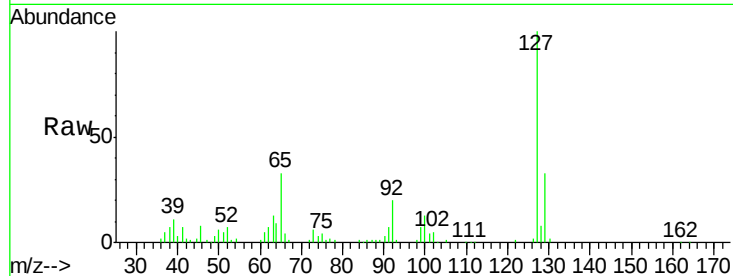




#33
 4-Chloroaniline
 Concen: 14.53 ng
 RT: 7.94 min Scan# 556
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

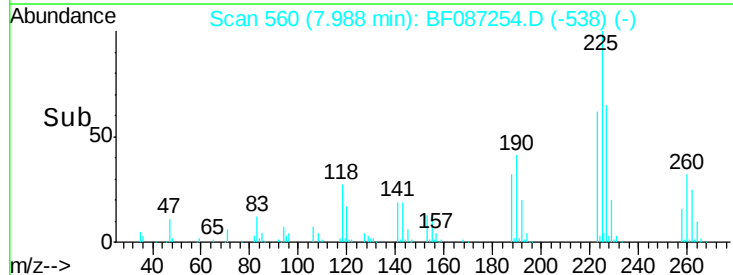
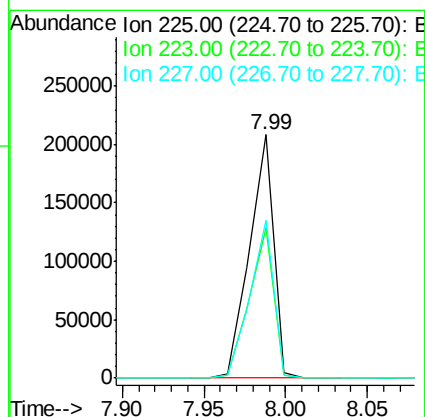
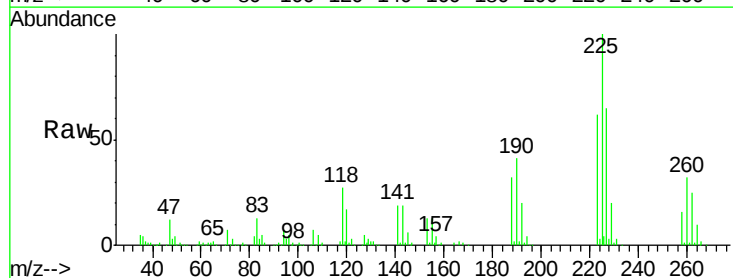
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

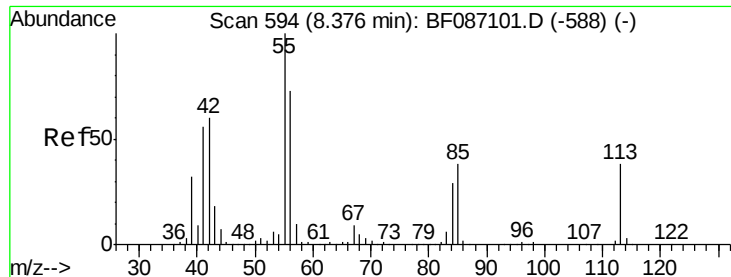
Tgt Ion:	127	Resp:	162593
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	33.4	23.0	34.4
92	19.6	15.1	22.7



#34
 Hexachlorobutadiene
 Concen: 45.26 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion:	225	Resp:	214307
Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.5	77.3
227	65.1	52.2	78.2

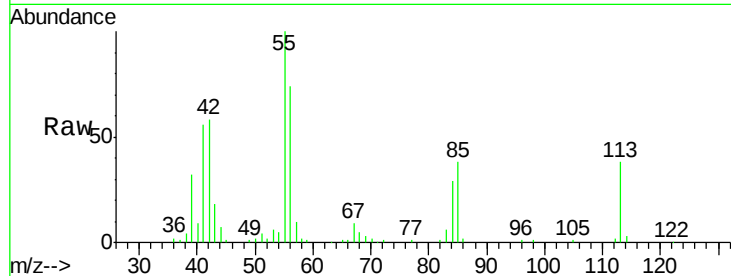




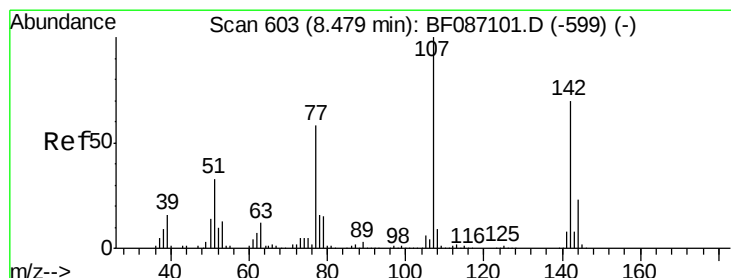
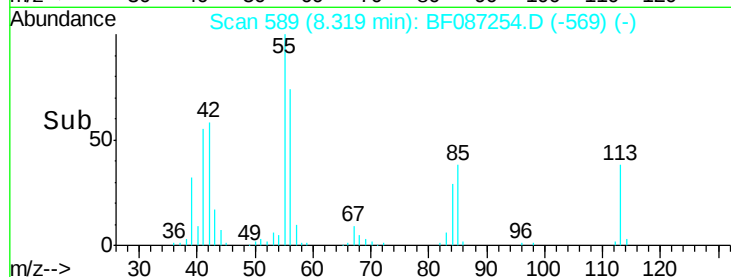
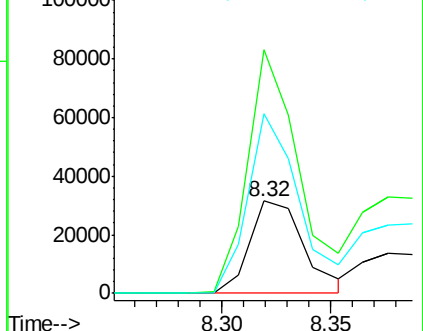
#35
 Caprolactam
 Concen: 22.17 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.07 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion:113 Resp: 55506
 Ion Ratio Lower Upper
 113 100
 55 263.5 162.0 202.0#
 56 193.9 115.3 155.3#

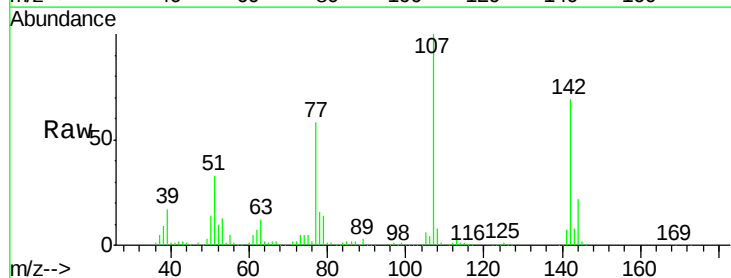


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

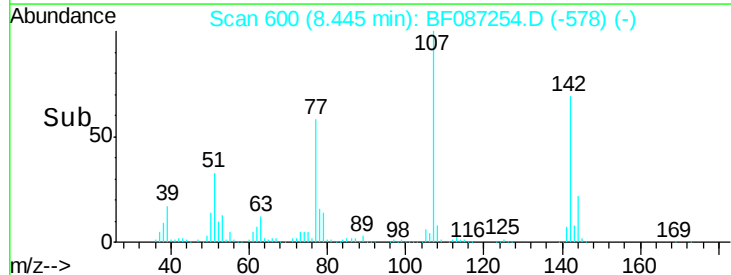
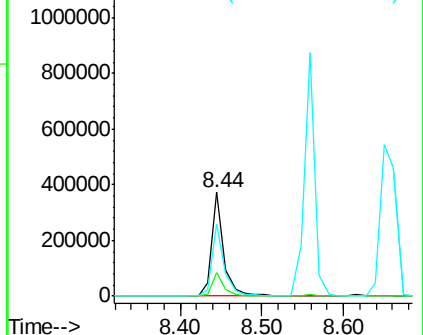


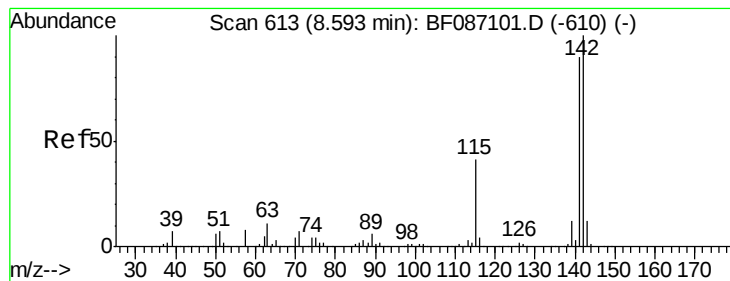
#36
 4-Chloro-3-methylphenol
 Concen: 42.79 ng
 RT: 8.44 min Scan# 600
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion:107 Resp: 388072
 Ion Ratio Lower Upper
 107 100
 144 22.1 20.7 31.1
 142 69.4 63.2 94.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

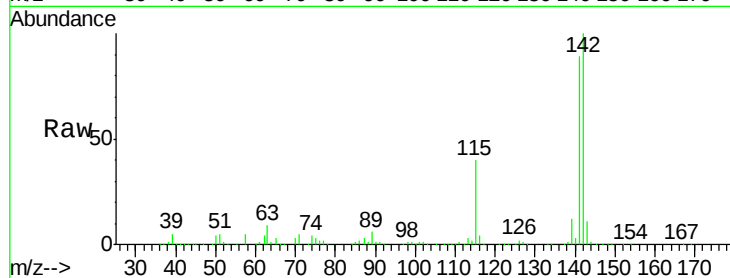




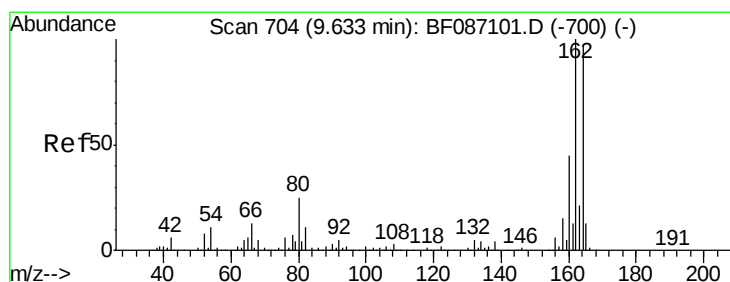
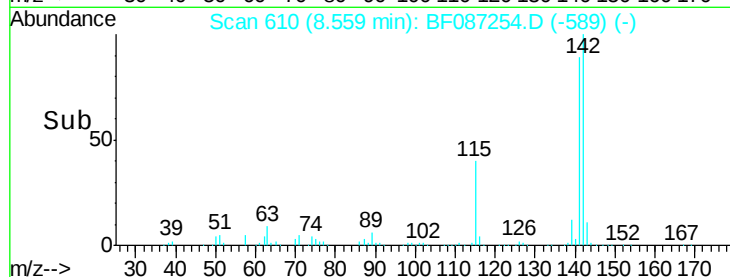
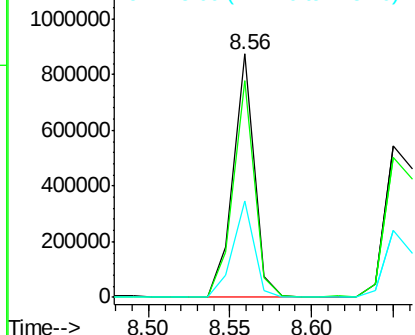
#37
2-Methylnaphthalene
Concen: 45.46 ng
RT: 8.56 min Scan# 610
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

Tgt Ion:142 Resp: 782817
Ion Ratio Lower Upper
142 100
141 88.9 71.0 106.6
115 39.6 26.6 39.8

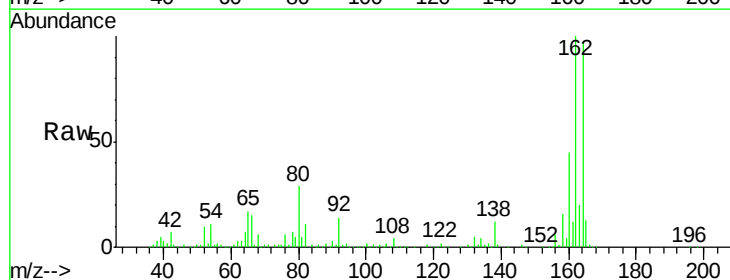


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

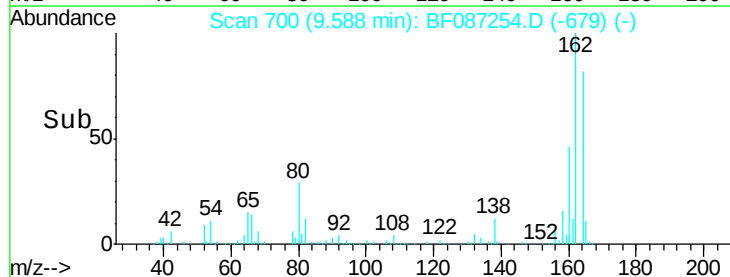
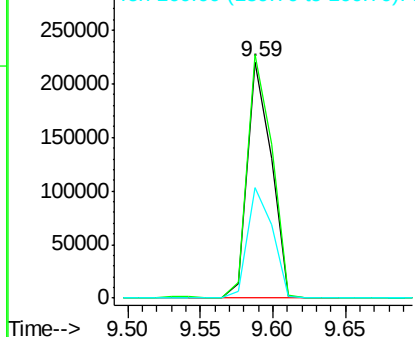


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:164 Resp: 252522
Ion Ratio Lower Upper
164 100
162 103.0 82.8 124.2
160 46.8 36.9 55.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.12 ng

RT: 8.73 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

Tgt Ion:216 Resp: 347521

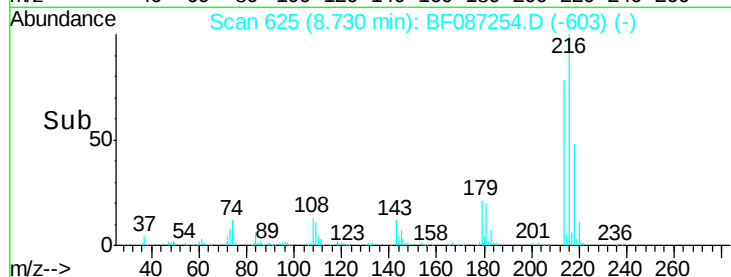
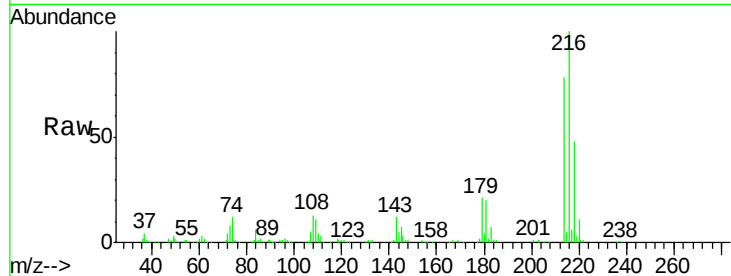
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 23.3 18.2 27.4

108 23.2 17.5 26.3

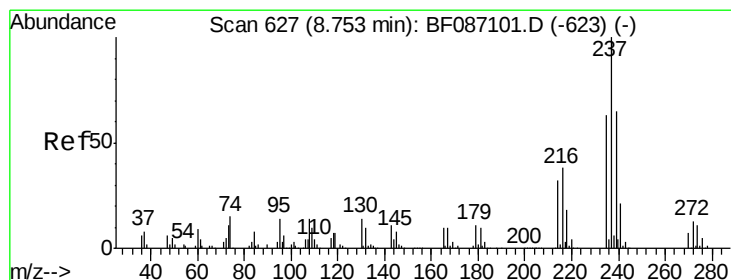
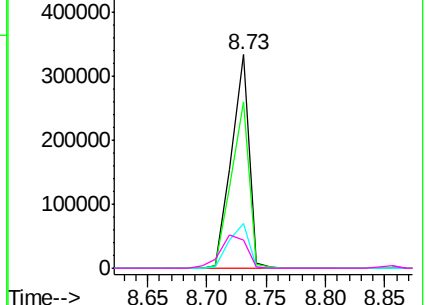


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 89.17 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

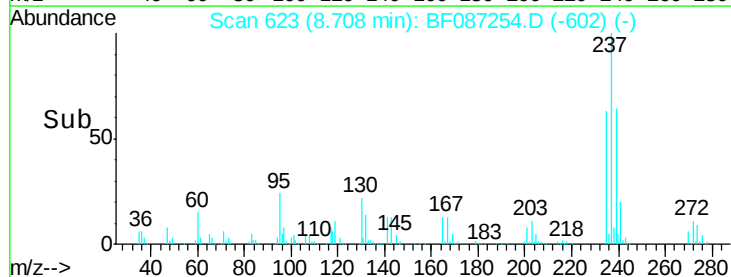
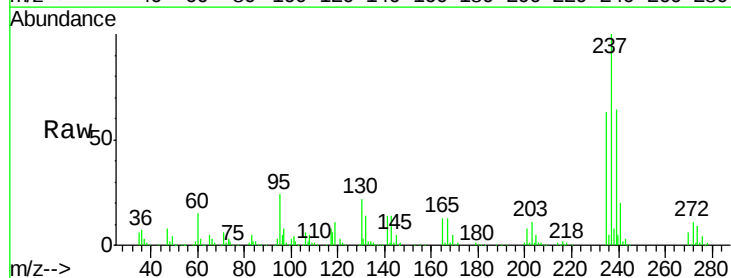
Tgt Ion:237 Resp: 256805

Ion Ratio Lower Upper

237 100

235 63.1 47.2 87.2

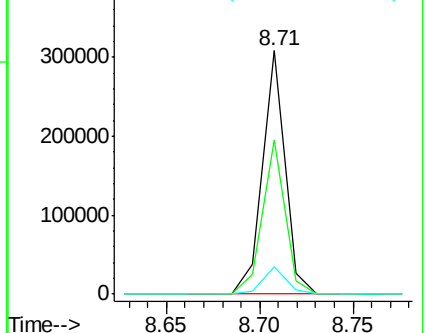
272 11.4 0.0 31.1

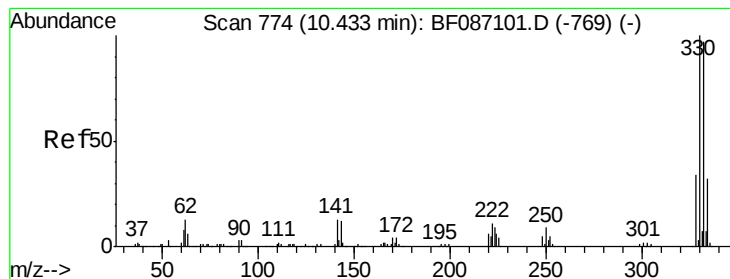


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

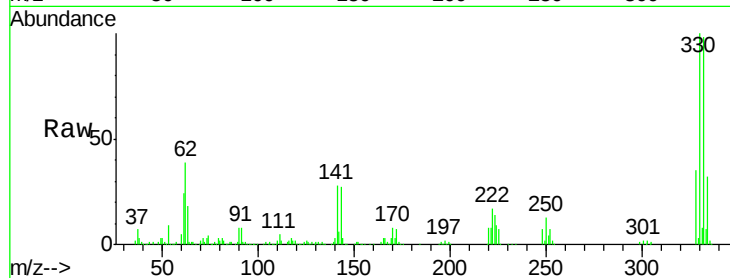




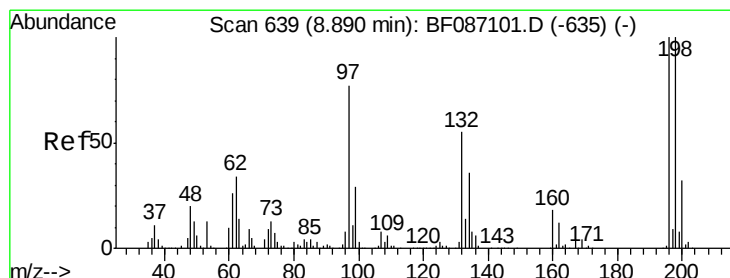
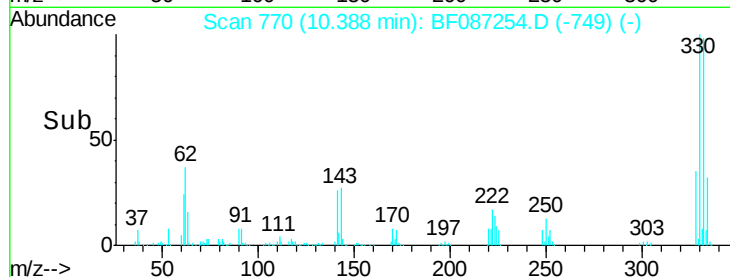
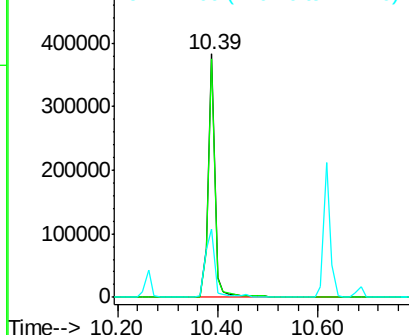
#41
 2,4,6-Tribromophenol
 Concen: 132.44 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.0	118.4
141	37.2	31.2	46.8

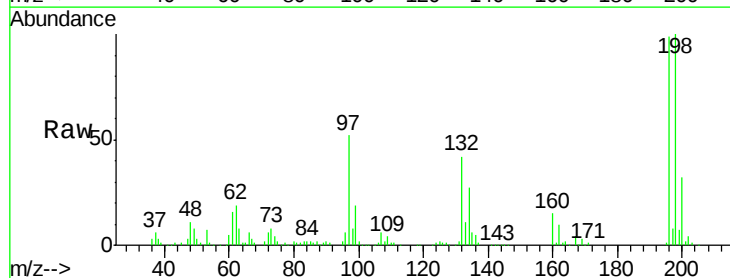


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

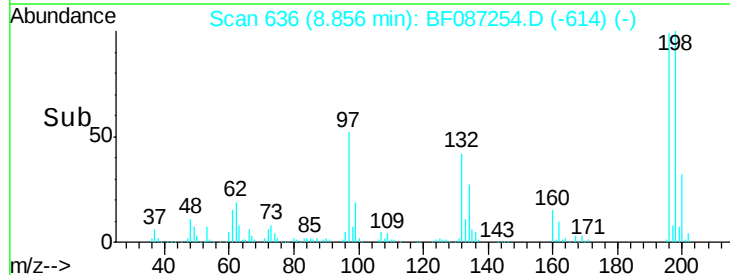
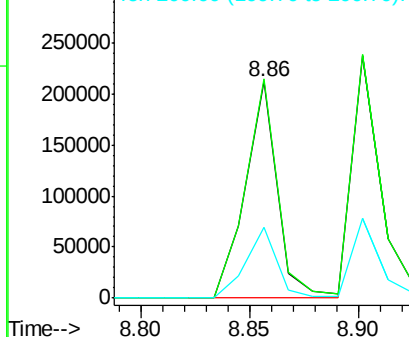


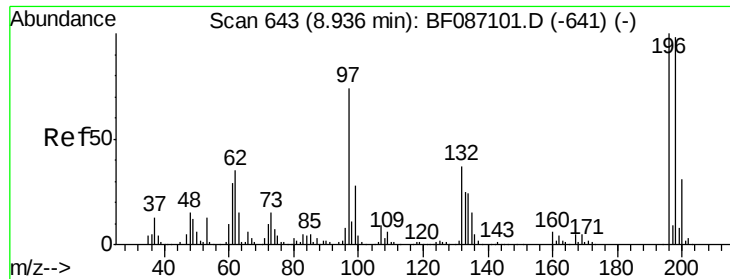
#42
 2,4,6-Trichlorophenol
 Concen: 45.56 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.4	74.7	112.1
200	32.6	23.8	35.6



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

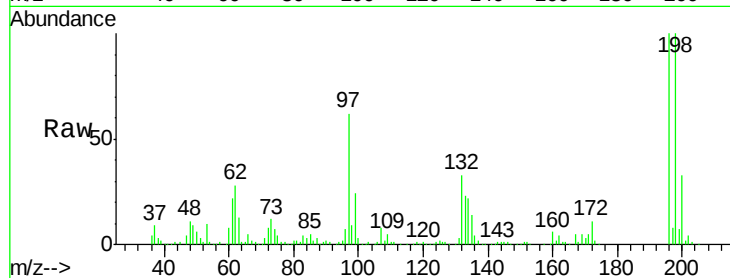




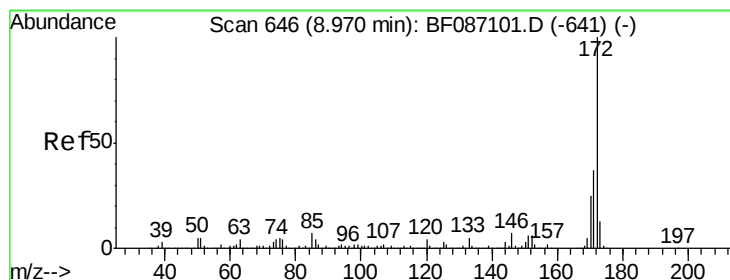
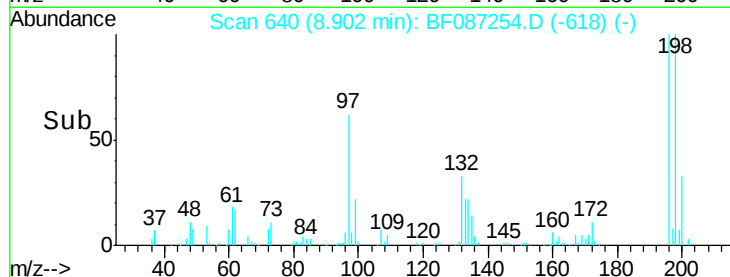
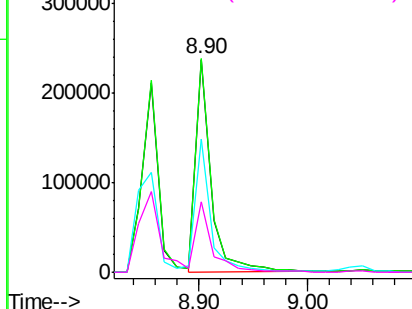
#43
 2,4,5-Trichlorophenol
 Concen: 46.51 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.4	77.5	116.3
97	62.4	34.8	52.2
132	32.9	23.0	34.4

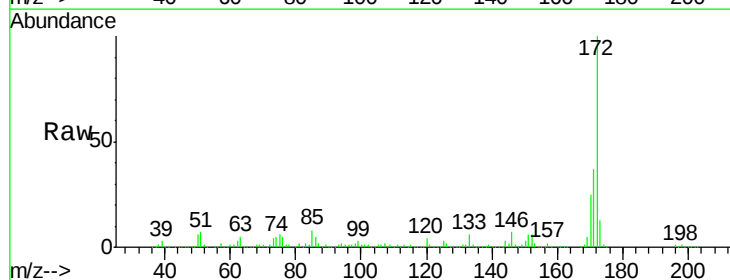


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

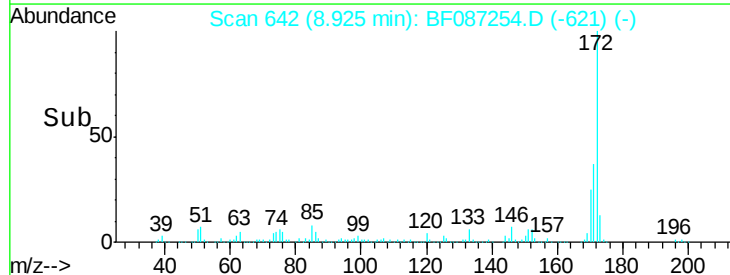
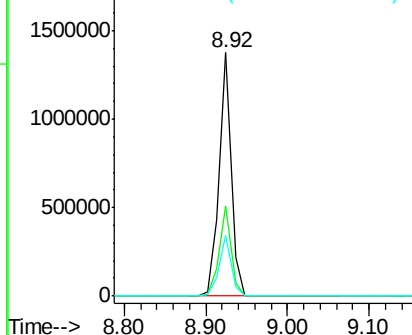


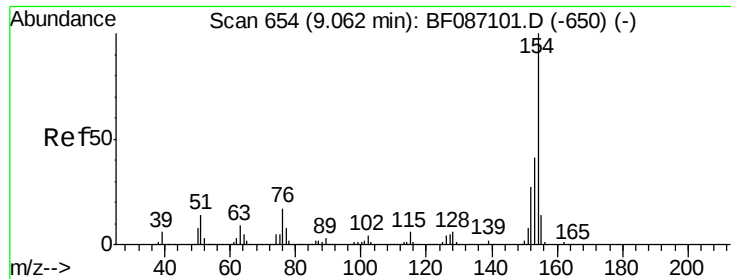
#44
 2-Fluorobiphenyl
 Concen: 92.90 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.6
170	24.8	19.8	29.8



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: 49.42 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

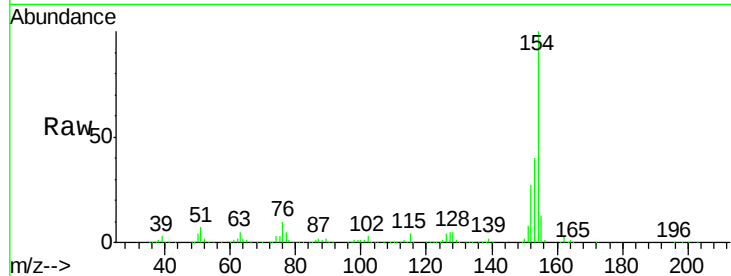
Tgt Ion:154 Resp: 1034878

Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

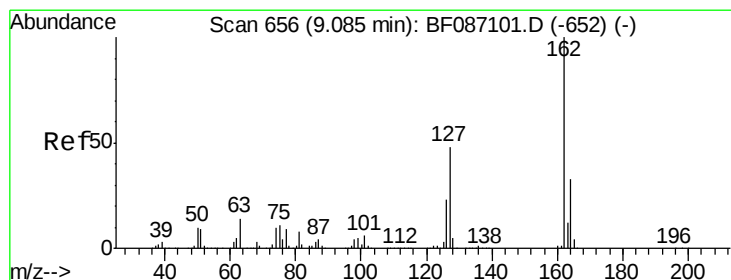
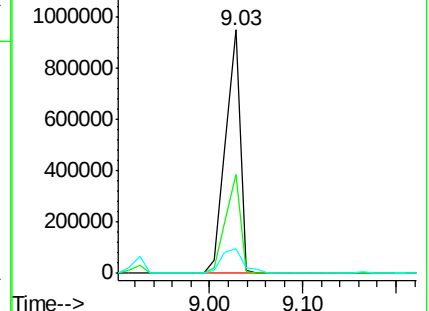
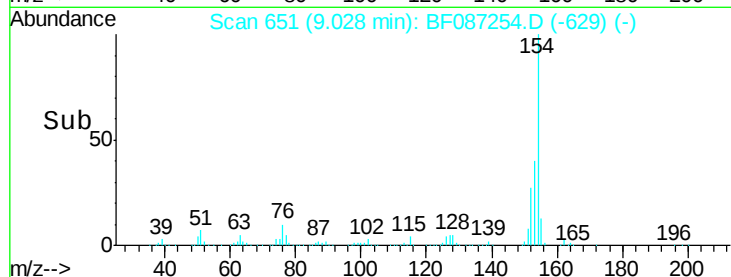
76 10.0 0.0 30.2



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: 47.09 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

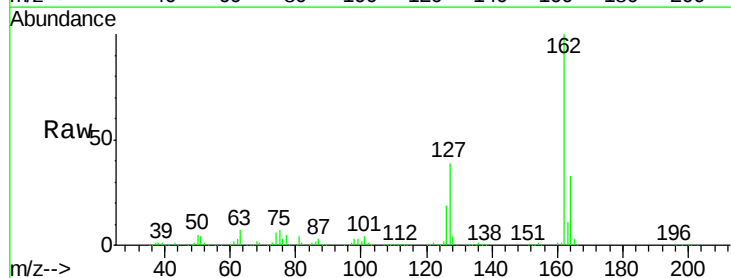
Tgt Ion:162 Resp: 756955

Ion Ratio Lower Upper

162 100

127 39.3 31.8 47.6

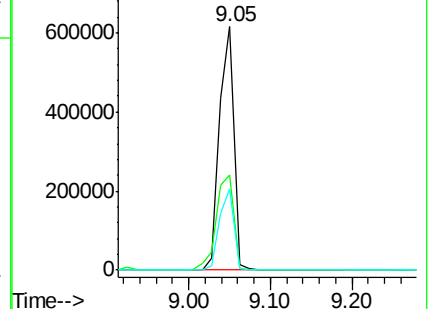
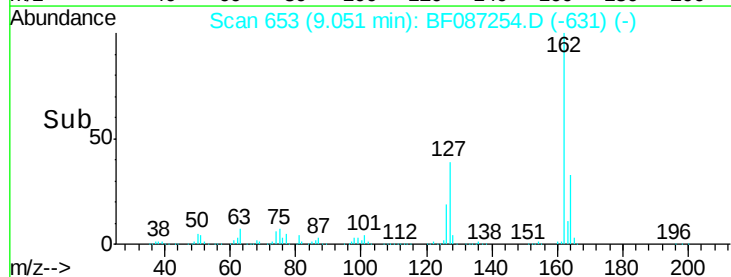
164 33.4 27.0 40.6

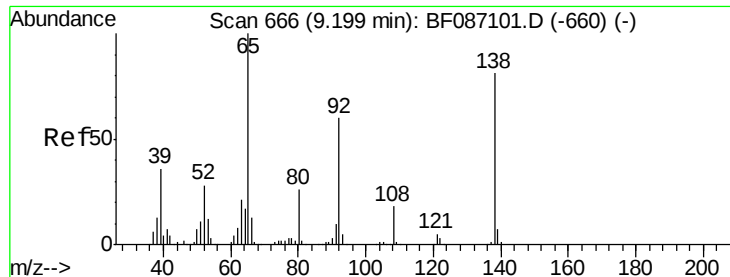


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 48.11 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

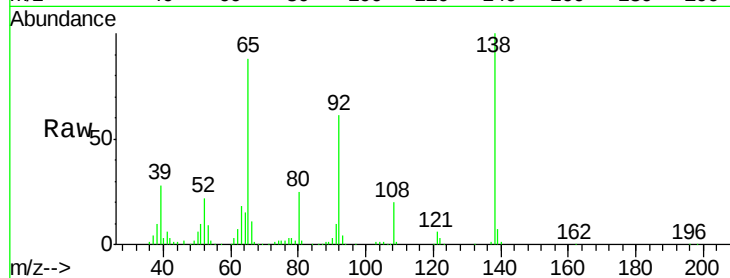
Tgt Ion: 65 Resp: 296335

Ion Ratio Lower Upper

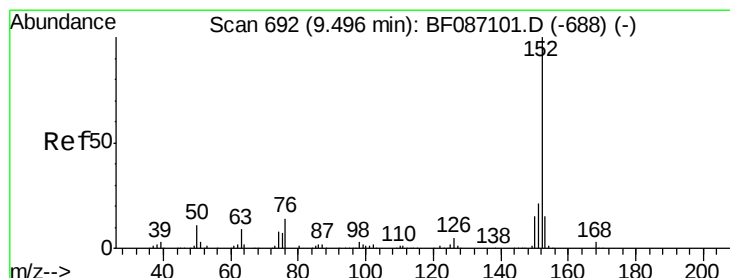
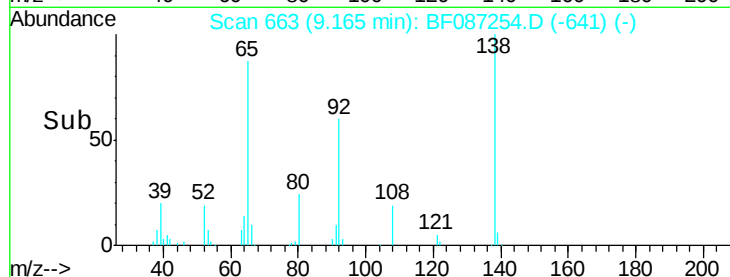
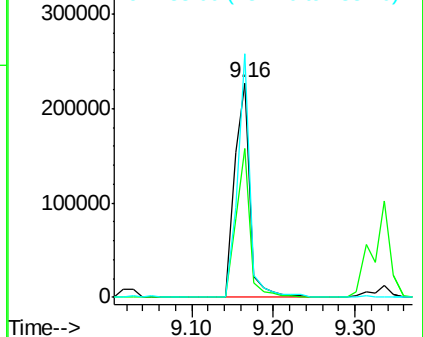
65 100

92 69.6 57.4 86.2

138 113.6 90.1 135.1



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



#48

Acenaphthylene

Concen: 44.56 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

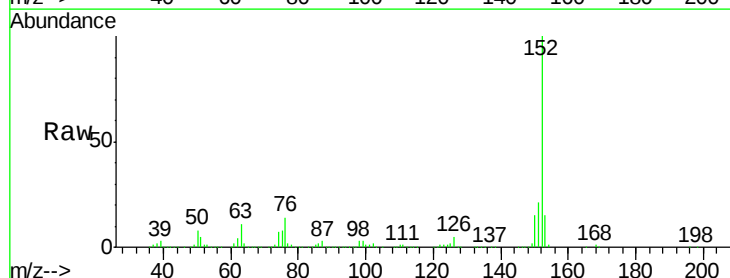
Tgt Ion: 152 Resp: 1093673

Ion Ratio Lower Upper

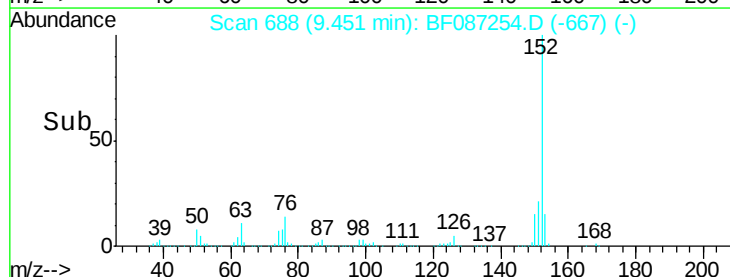
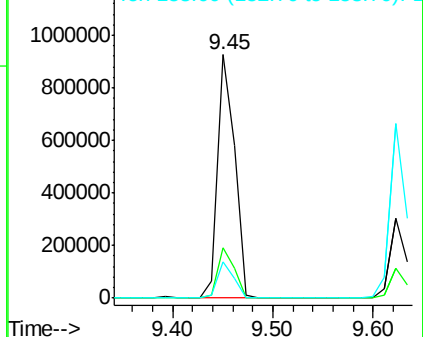
152 100

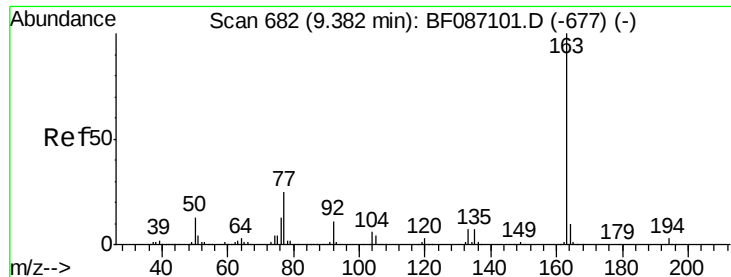
151 20.8 16.8 25.2

153 14.7 10.9 16.3



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





#49

Dimethylphthalate

Concen: 51.39 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

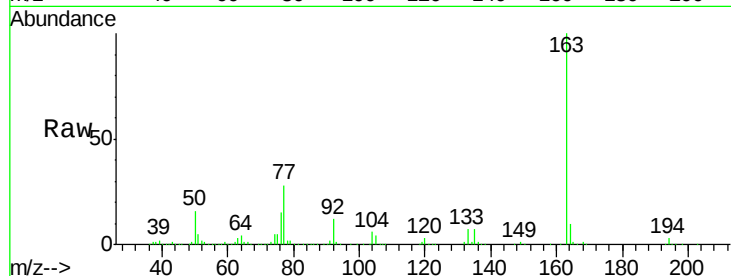
Tgt Ion:163 Resp: 989967

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

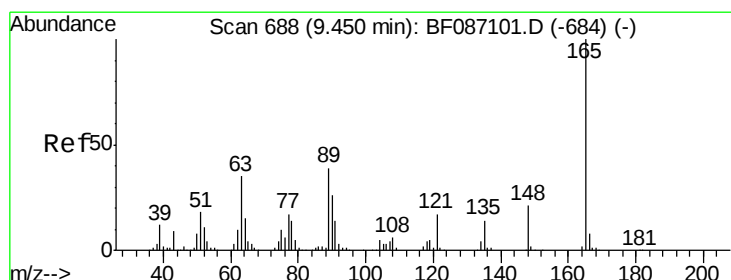
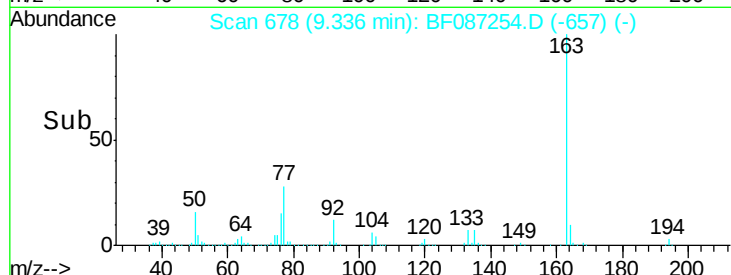
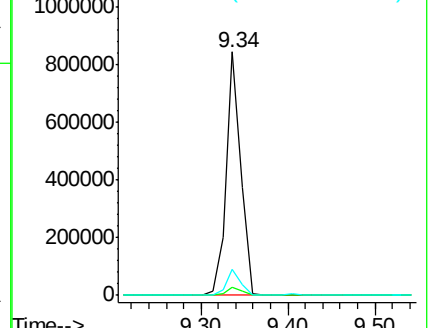
164 10.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 46.92 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

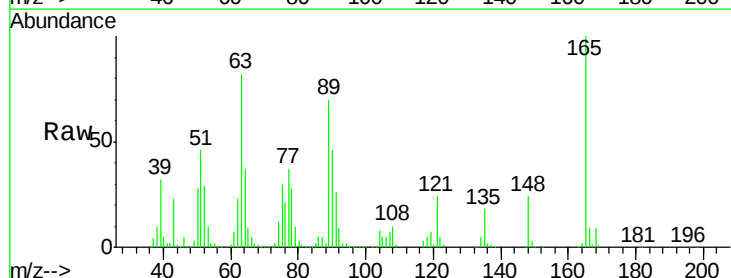
Tgt Ion:165 Resp: 196274

Ion Ratio Lower Upper

165 100

63 81.8 51.8 77.8#

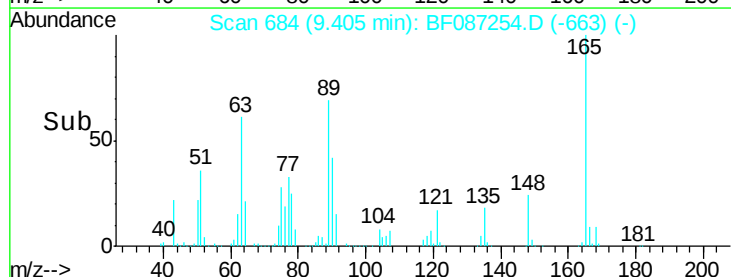
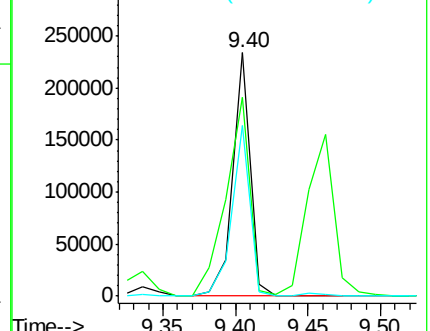
89 70.3 50.7 76.1

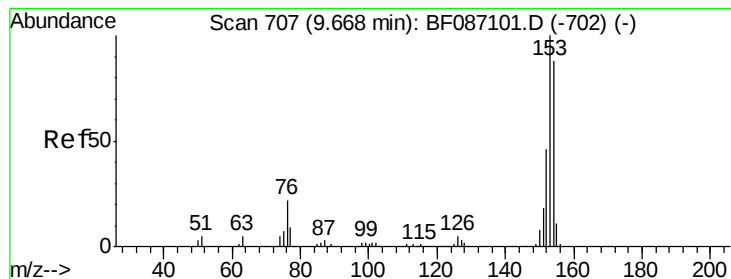


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 41.41 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

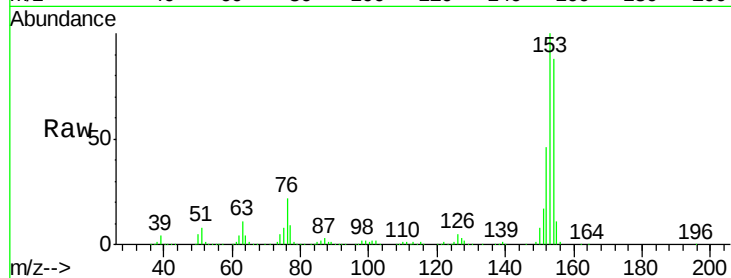
Tgt Ion:154 Resp: 634975

Ion Ratio Lower Upper

154 100

153 114.1 89.8 134.6

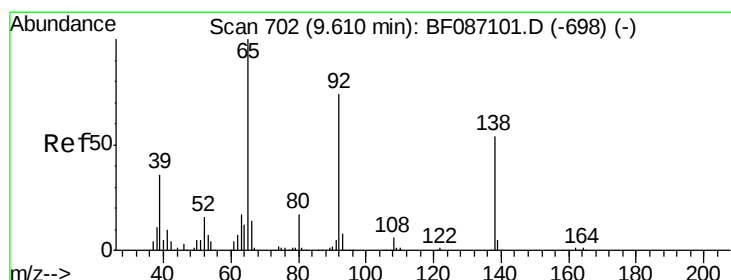
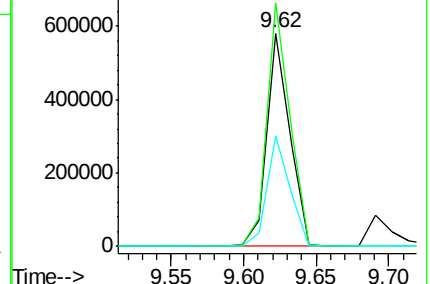
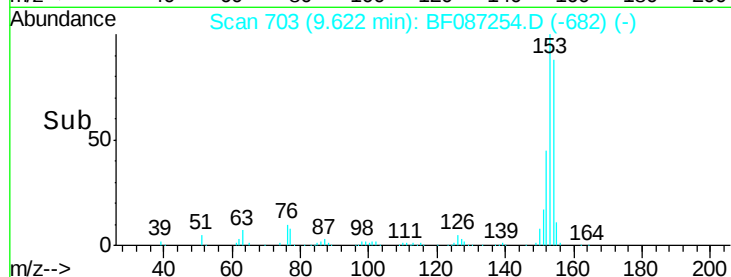
152 52.1 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.16 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

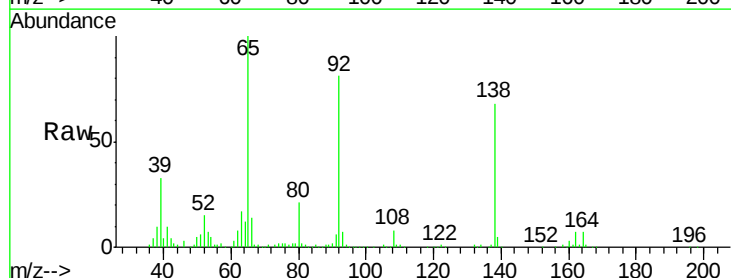
Tgt Ion:138 Resp: 132038

Ion Ratio Lower Upper

138 100

108 11.1 7.8 11.6

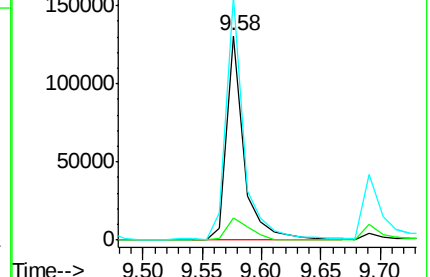
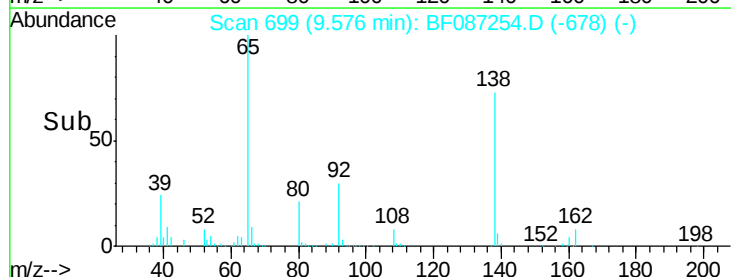
92 119.1 87.8 131.8

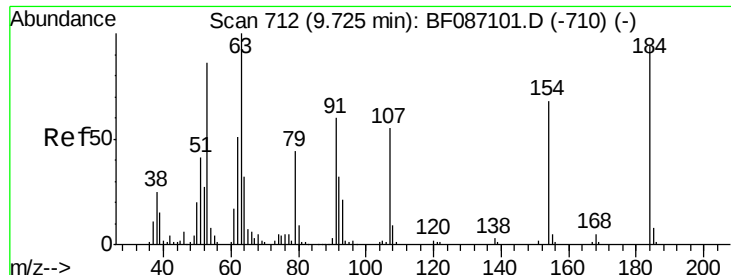


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

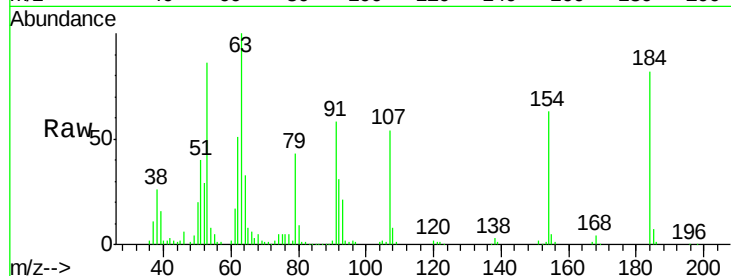




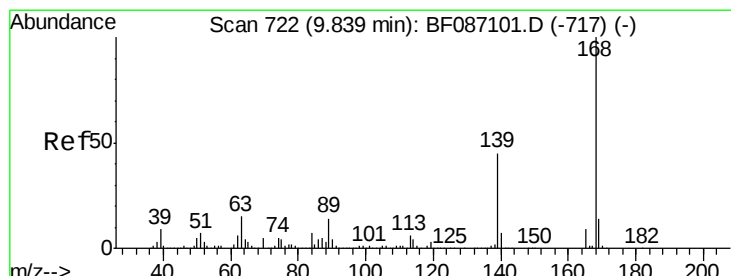
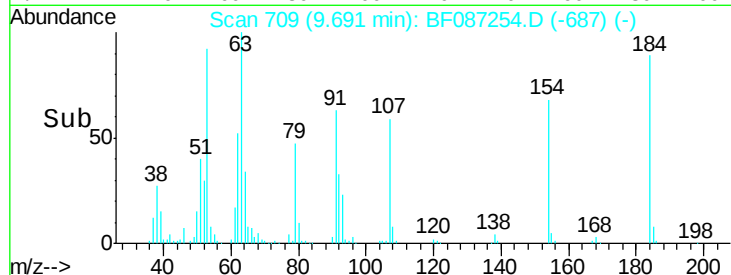
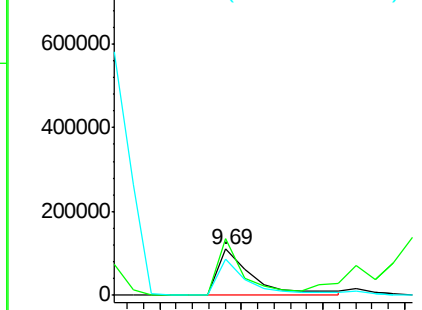
#53
2,4-Dinitrophenol
Concen: 69.53 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

Tgt Ion:184 Resp: 165050
Ion Ratio Lower Upper
184 100
63 121.3 55.8 83.8#
154 76.9 62.4 93.6

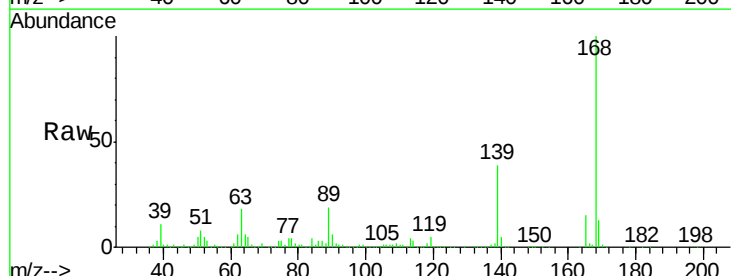


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

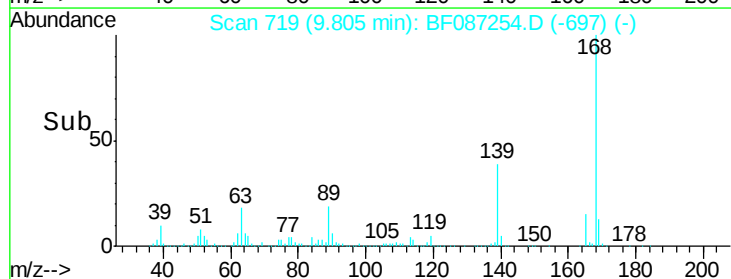
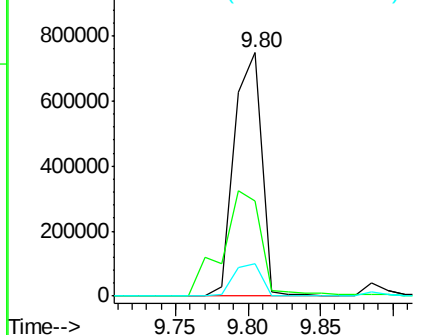


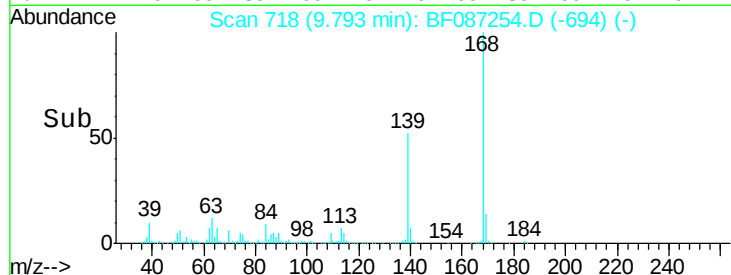
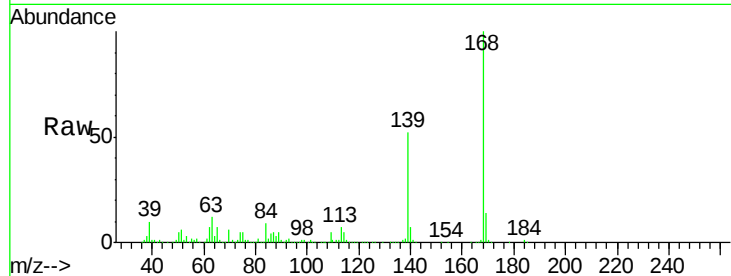
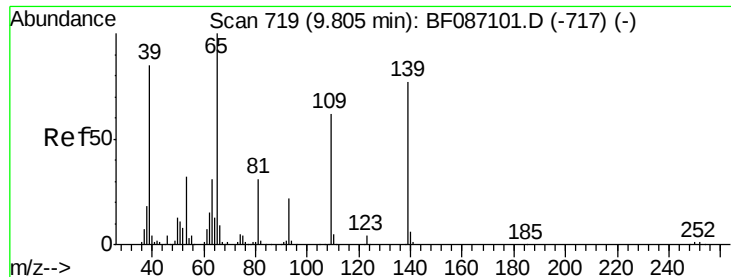
#54
Dibenzofuran
Concen: 49.34 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:168 Resp: 978418
Ion Ratio Lower Upper
168 100
139 39.0 31.4 47.0
169 13.2 10.7 16.1



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

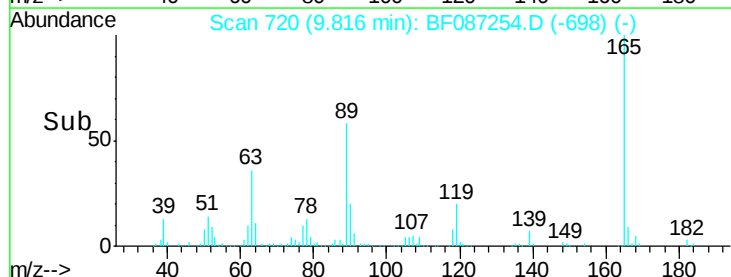
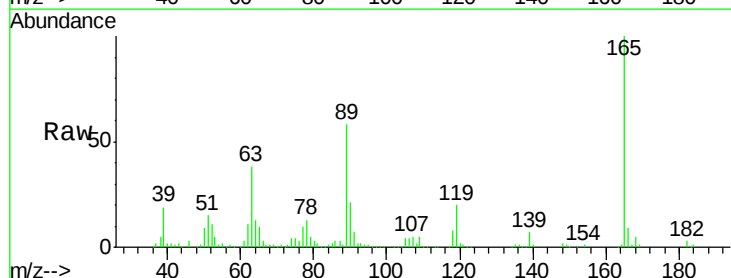
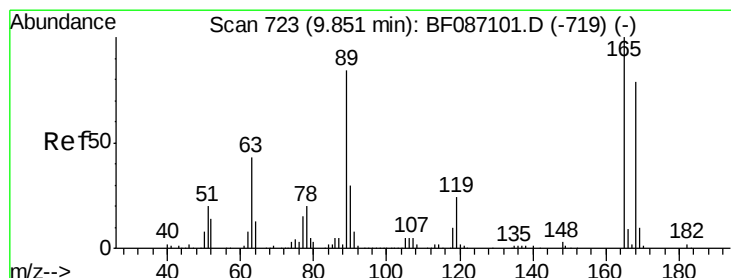
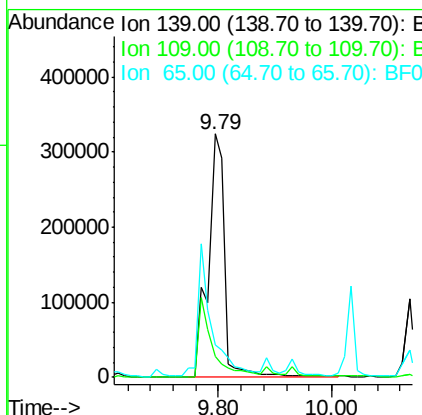




#55
4-Nitrophenol
Concen: 130.97 ng
RT: 9.79 min Scan# 718
Delta R.T. -0.02 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

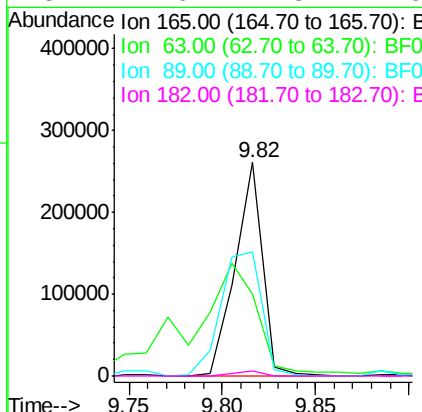
Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

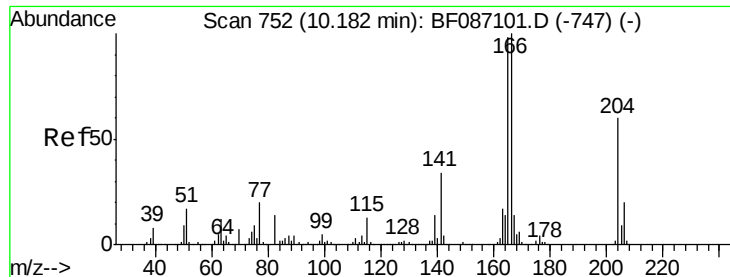
Tgt Ion:139 Resp: 635472
Ion Ratio Lower Upper
139 100
109 8.7 36.9 76.9#
65 13.3 64.0 104.0#



#56
2,4-Dinitrotoluene
Concen: 50.06 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:165 Resp: 268185
Ion Ratio Lower Upper
165 100
63 38.3 44.3 66.5#
89 58.3 70.0 105.0#
182 2.6 1.8 2.6





#57

Fluorene

Concen: 43.52 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

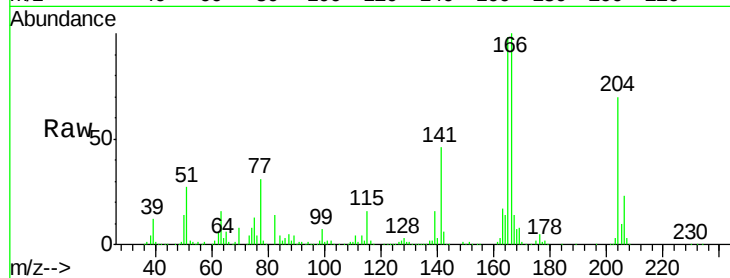
Tgt Ion:166 Resp: 693393

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.6

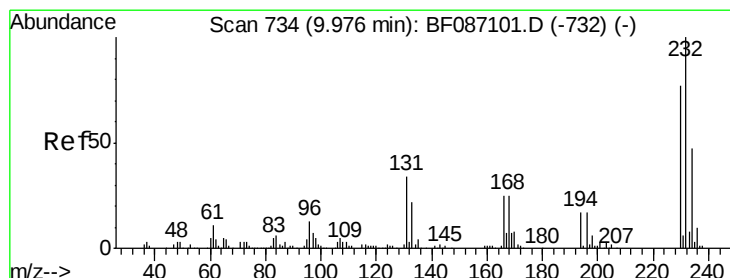
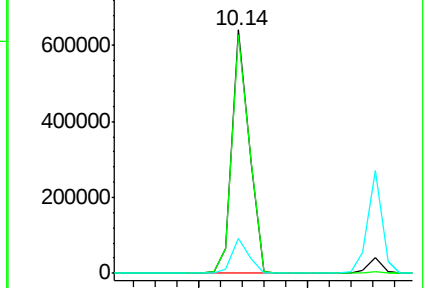
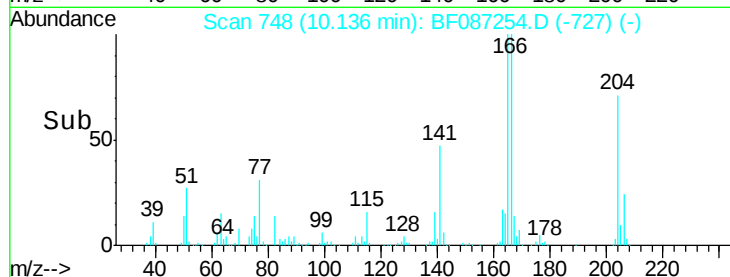
167 14.2 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.32 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Tgt Ion:232 Resp: 194724

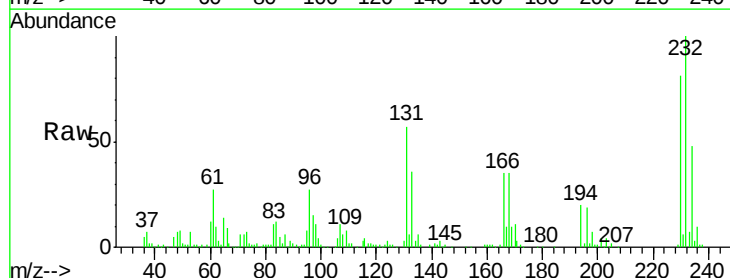
Ion Ratio Lower Upper

232 100

131 54.1 41.9 62.9

130 2.9 2.2 3.4

166 31.6 26.8 40.2

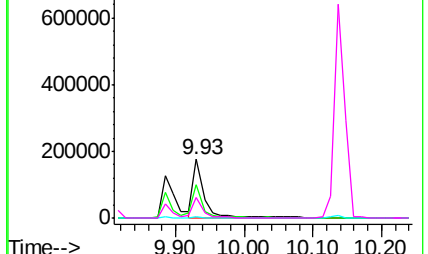
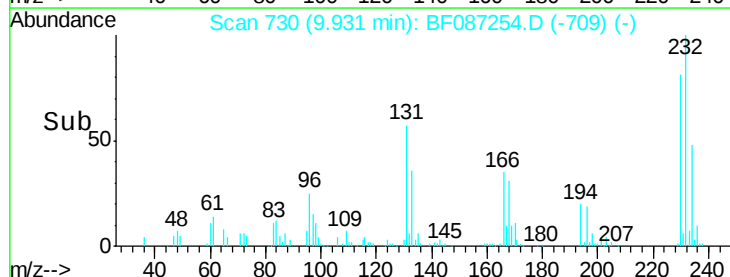


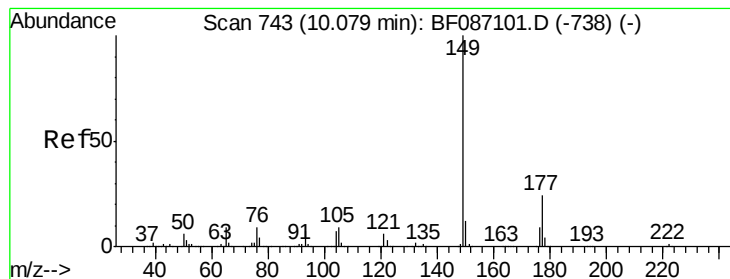
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 43.64 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

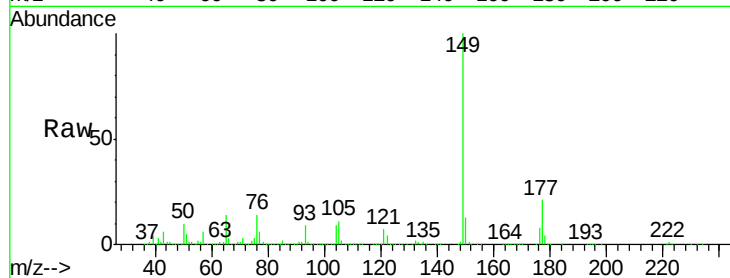
Tgt Ion:149 Resp: 802575

Ion Ratio Lower Upper

149 100

177 20.9 16.6 24.8

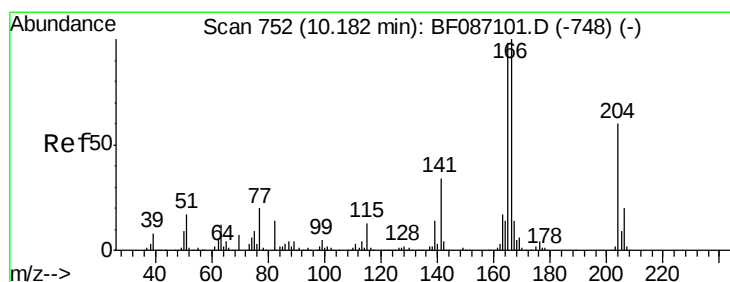
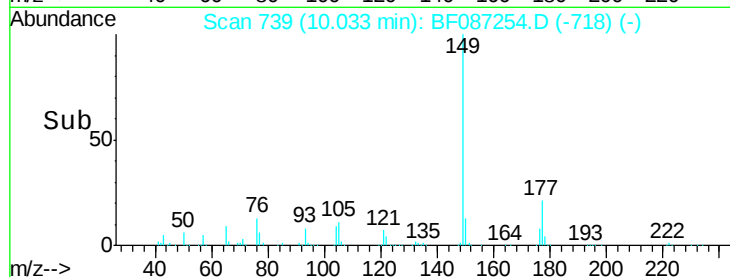
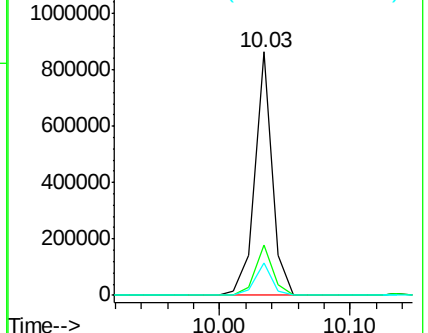
150 13.1 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 50.20 ng

RT: 10.14 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

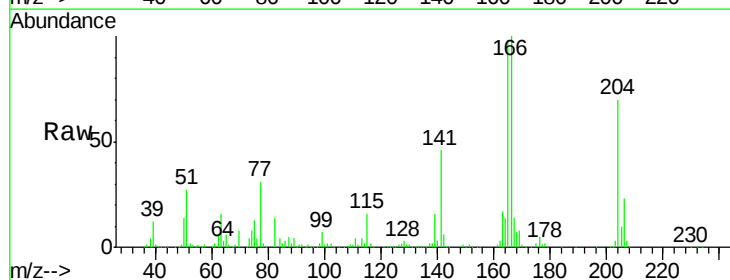
Tgt Ion:204 Resp: 379095

Ion Ratio Lower Upper

204 100

206 33.3 25.4 38.0

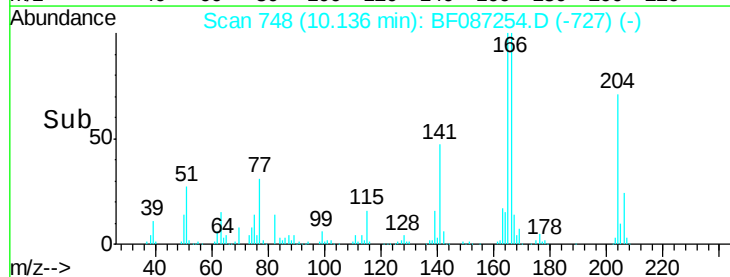
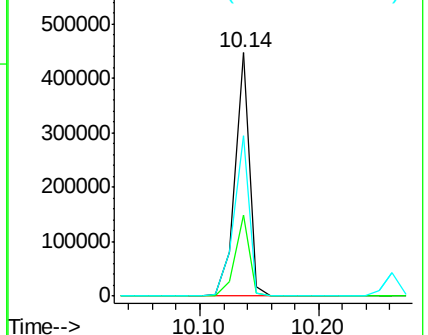
141 65.8 61.6 92.4

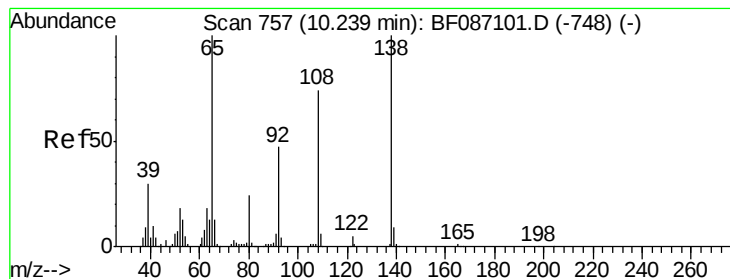


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 40.20 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

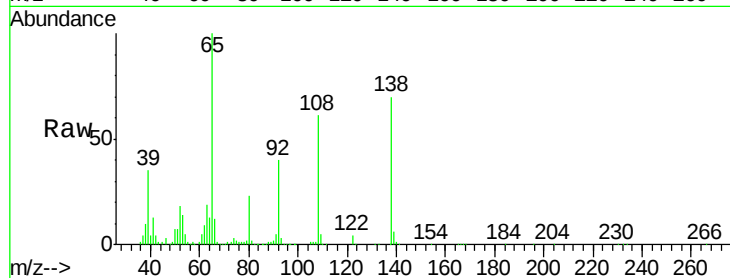
Tgt Ion:138 Resp: 179720

Ion Ratio Lower Upper

138 100

92 56.5 24.7 64.7

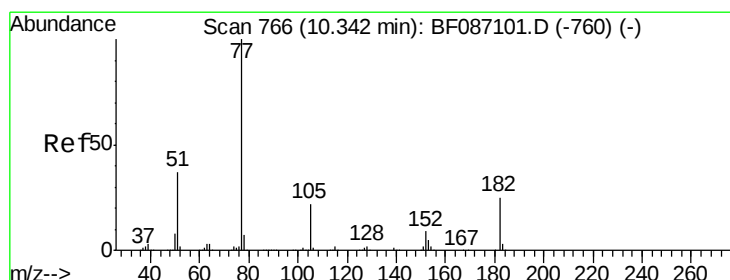
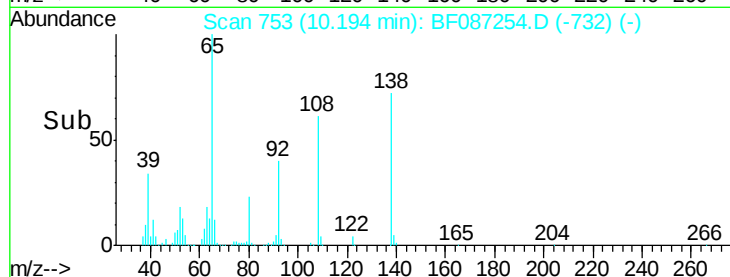
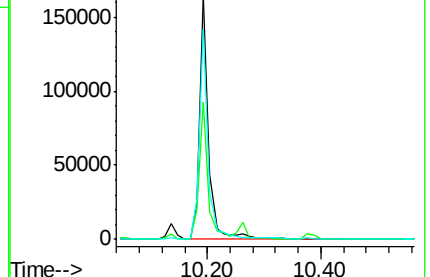
108 86.2 37.4 77.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 52.25 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Tgt Ion: 77 Resp: 1107132

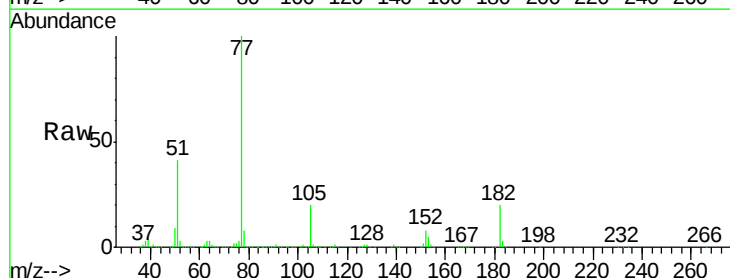
Ion Ratio Lower Upper

77 100

182 20.5 0.0 38.8

105 20.4 3.2 43.2

51 41.2 8.8 48.8

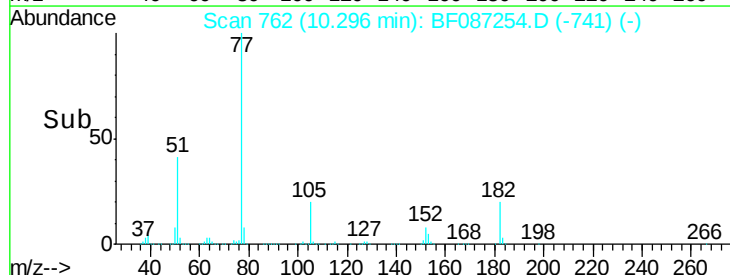
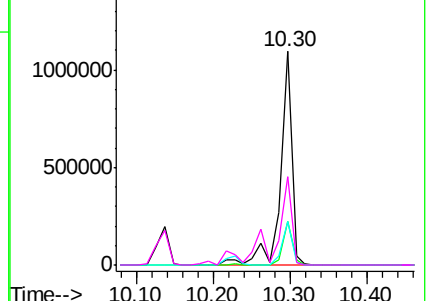


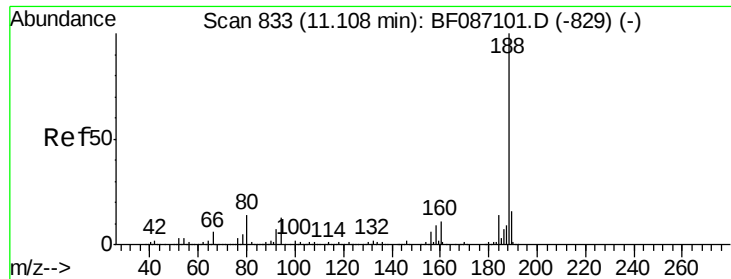
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

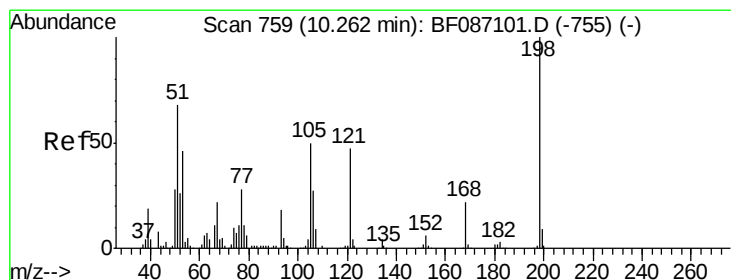
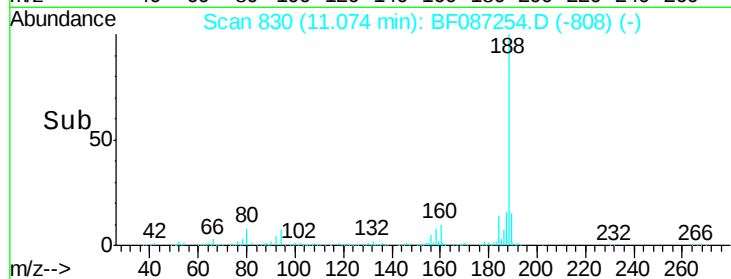
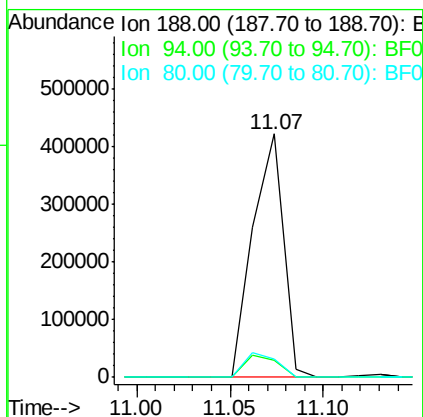
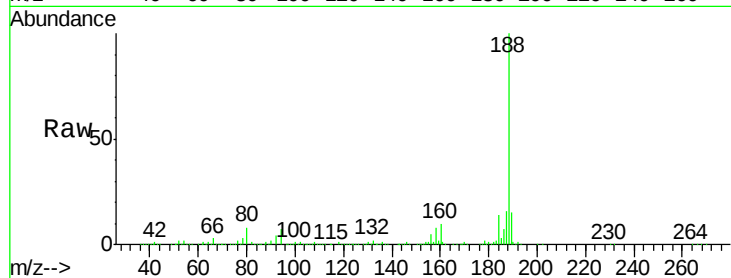




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

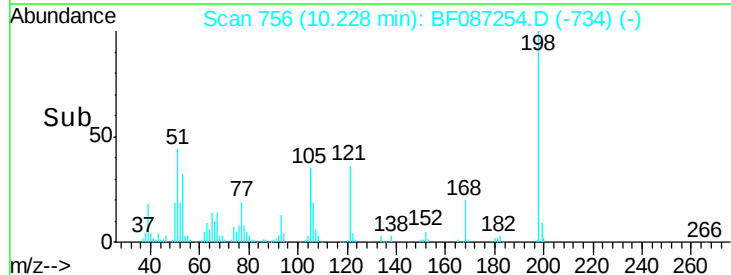
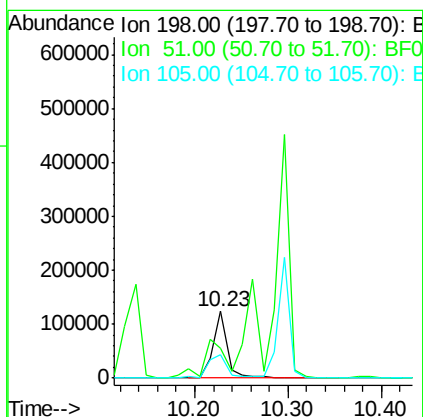
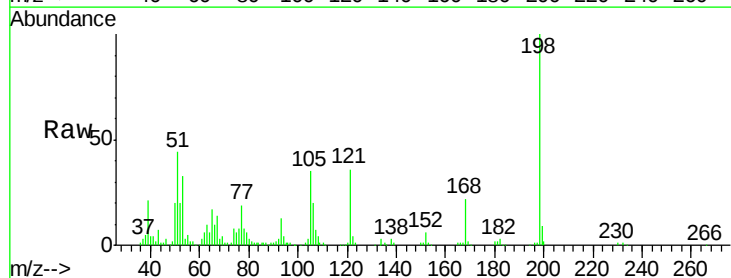
Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

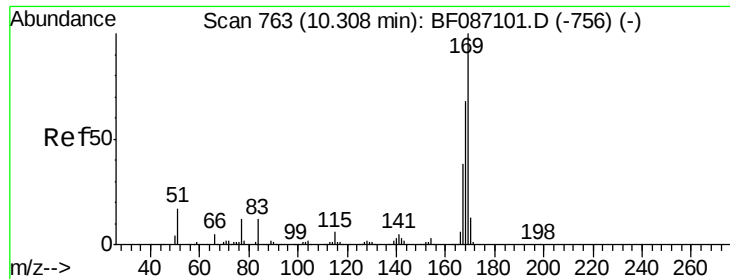
Tgt Ion:188 Resp: 481078
Ion Ratio Lower Upper
188 100
94 7.2 6.8 10.2
80 7.7 7.1 10.7



#64
4,6-Dinitro-2-methylphenol
Concen: 41.91 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.05 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:198 Resp: 132780
Ion Ratio Lower Upper
198 100
51 44.4 20.5 60.5
105 35.2 24.5 64.5

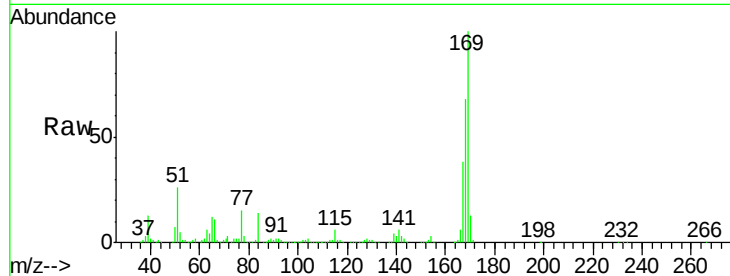




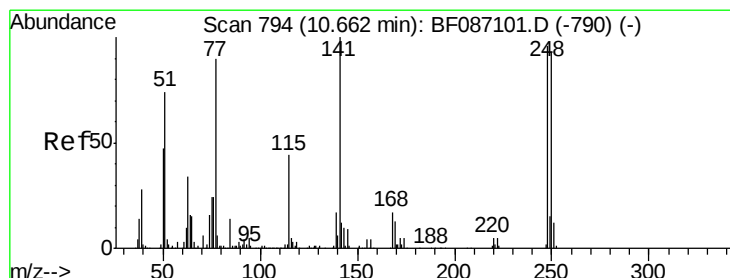
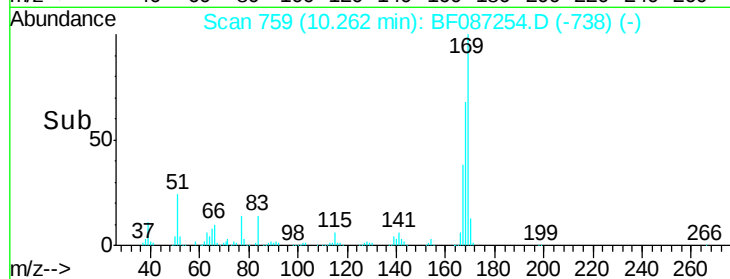
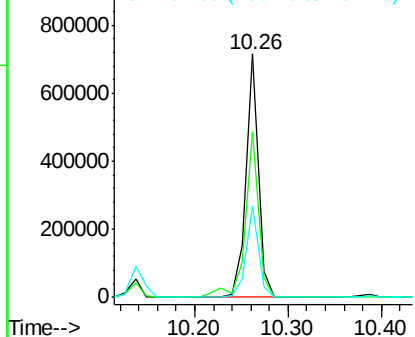
#65
n-Nitrosodiphenylamine
Concen: 43.78 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.1	53.8	80.6
167	37.6	29.5	44.3

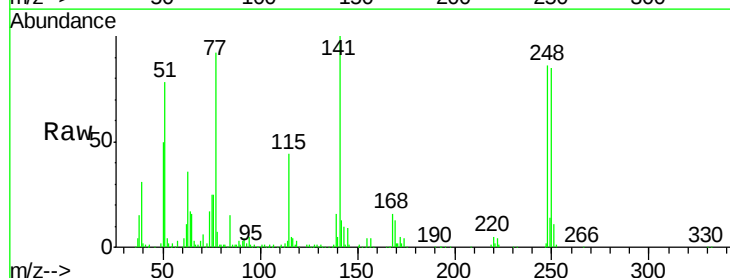


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

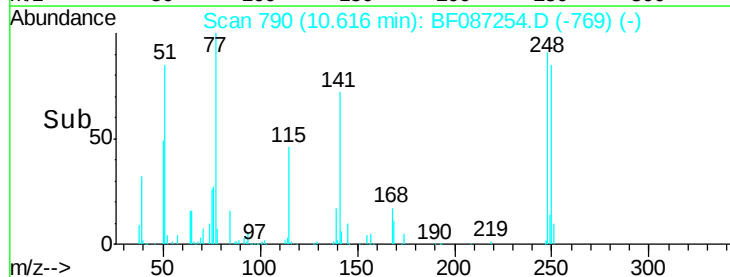
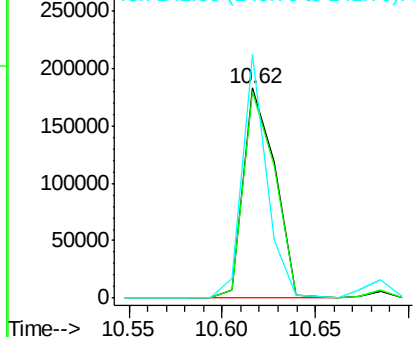


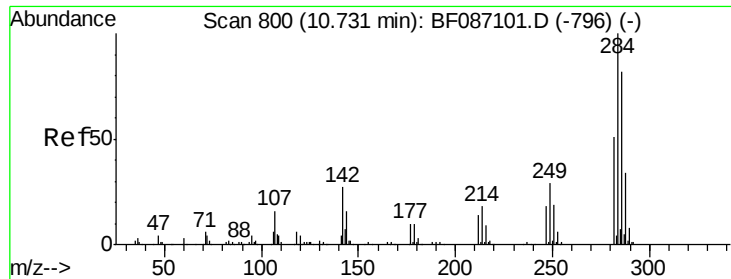
#66
4-Bromophenyl-phenylether
Concen: 43.52 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.6	117.8
141	115.8	76.0	114.0



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

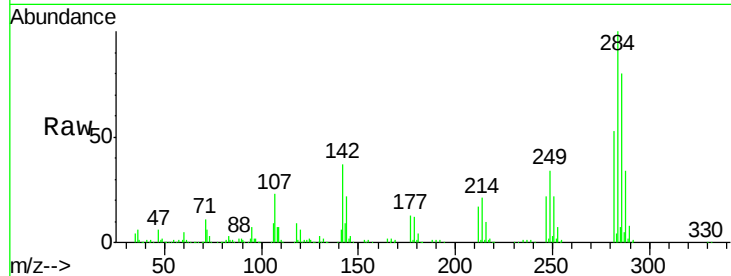




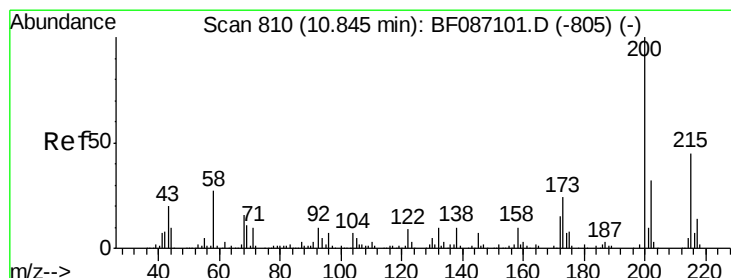
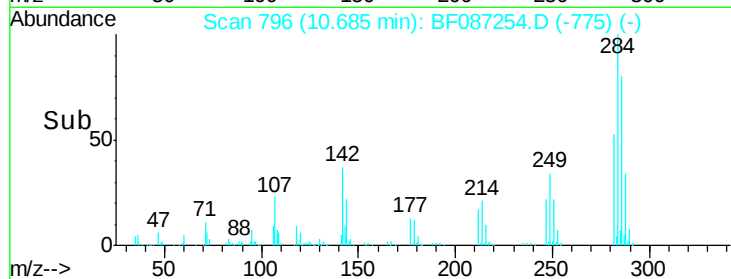
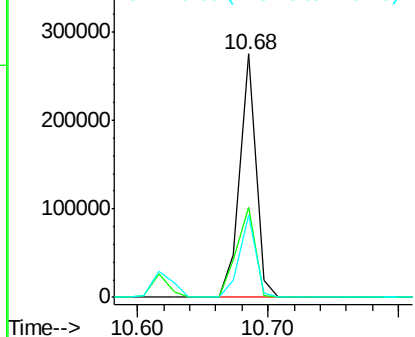
#67
Hexachlorobenzene
Concen: 41.20 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)MSD

Tgt Ion:284 Resp: 236336
Ion Ratio Lower Upper
284 100
142 36.8 16.7 25.1#
249 34.0 21.3 31.9#

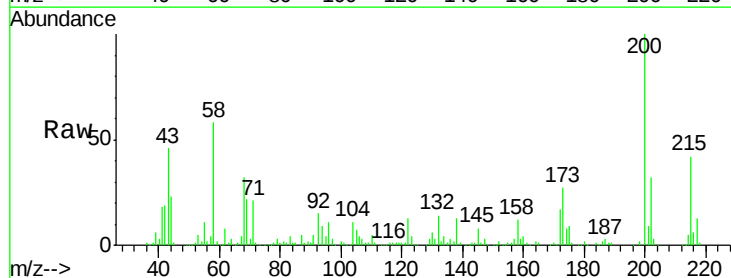


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

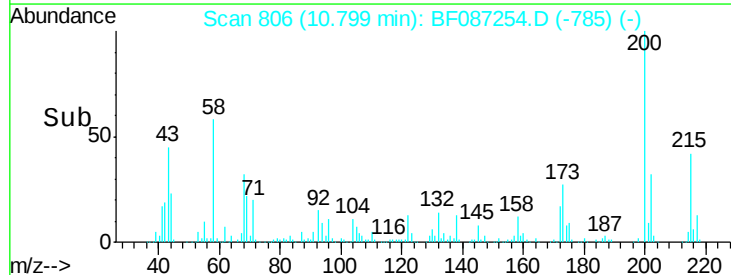
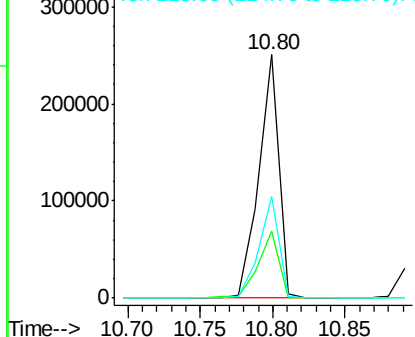


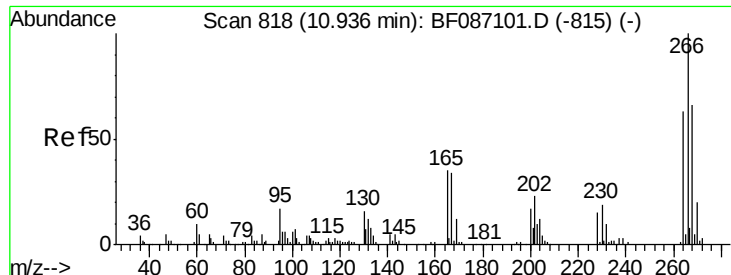
#68
Atrazine
Concen: 48.83 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.06 min
Lab File: BF087254.D
Acq: 21 May 2016 6:13

Tgt Ion:200 Resp: 241171
Ion Ratio Lower Upper
200 100
173 27.3 8.5 48.5
215 41.9 27.2 67.2



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

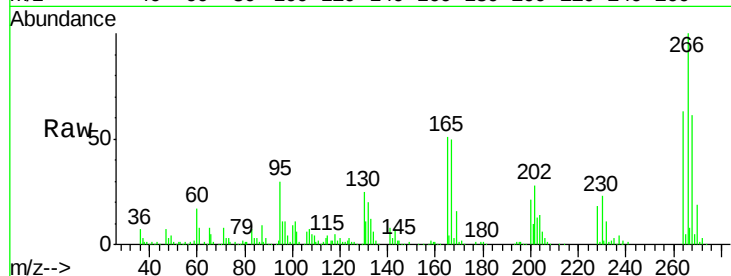




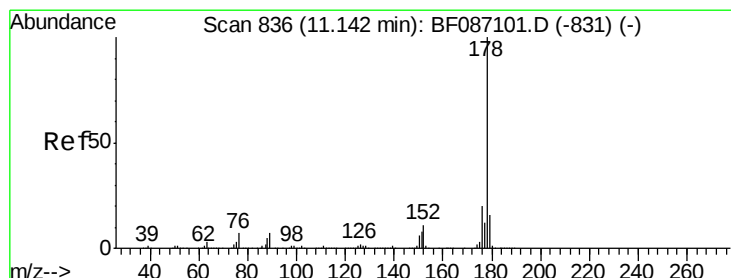
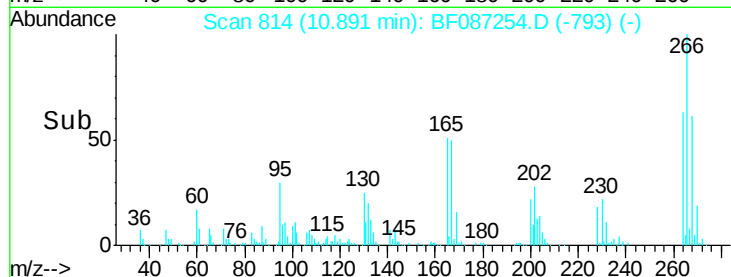
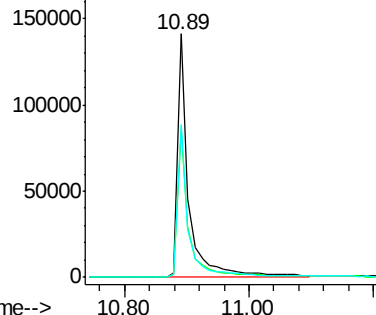
#69
 Pentachlorophenol
 Concen: 82.97 ng
 RT: 10.89 min Scan# 814
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion:266 Resp: 178771
 Ion Ratio Lower Upper
 266 100
 268 60.7 51.5 77.3
 264 62.9 52.9 79.3

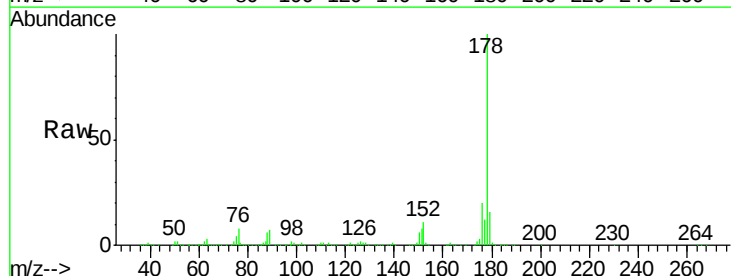


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

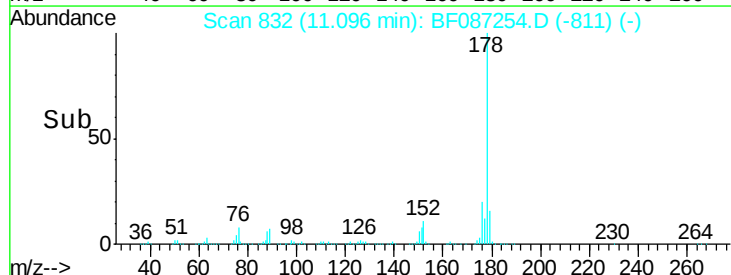
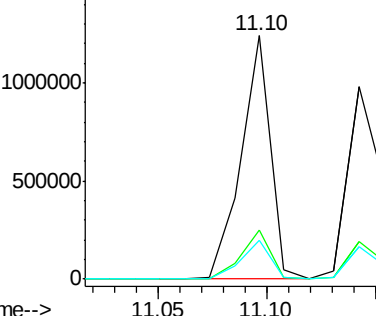


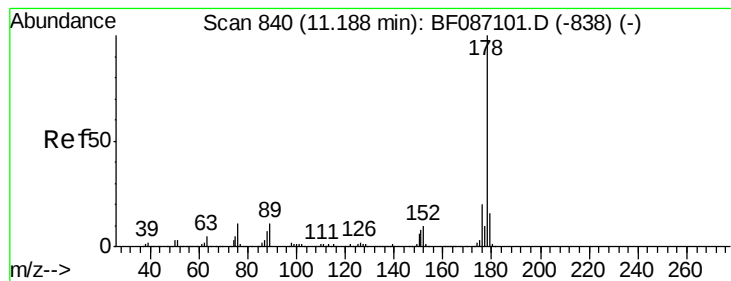
#70
 Phenanthrene
 Concen: 45.20 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion:178 Resp: 1179335
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.0 24.0
 179 15.8 12.6 18.8



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





#71

Anthracene

Concen: 40.85 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

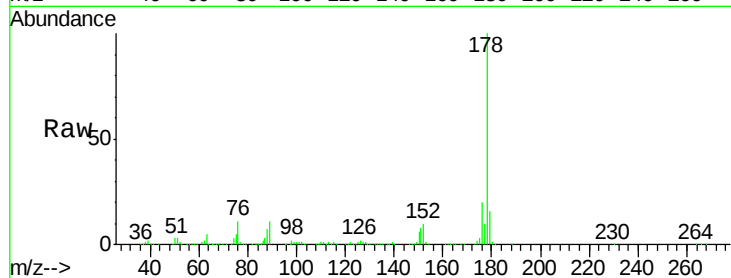
Tgt Ion:178 Resp: 1078032

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

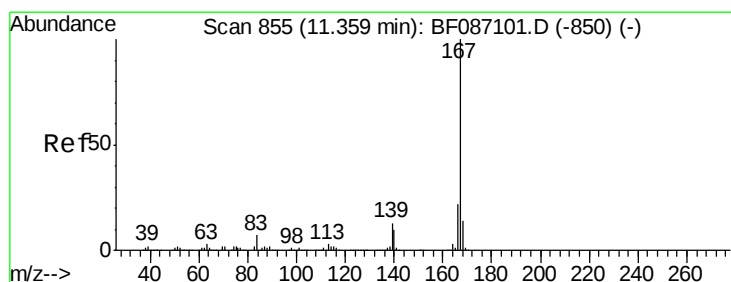
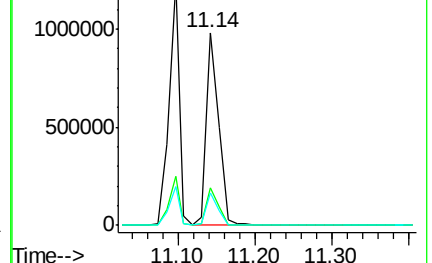
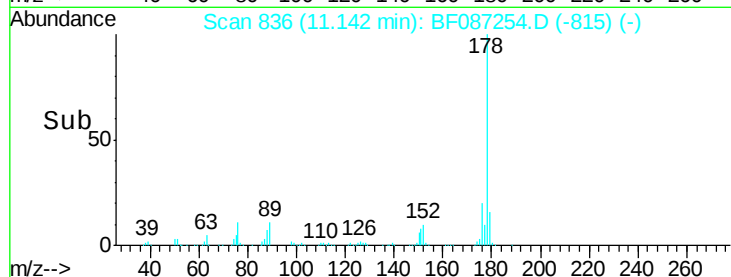
179 16.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 45.35 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

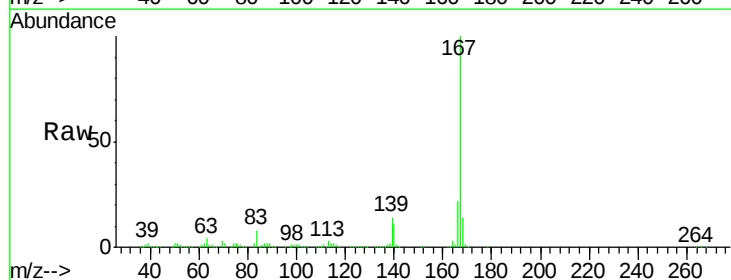
Tgt Ion:167 Resp: 1093218

Ion Ratio Lower Upper

167 100

166 21.9 17.7 26.5

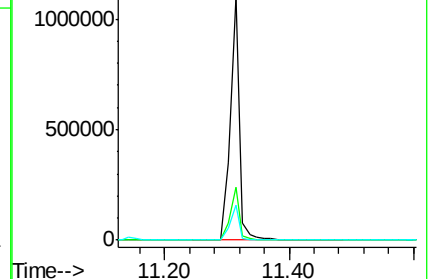
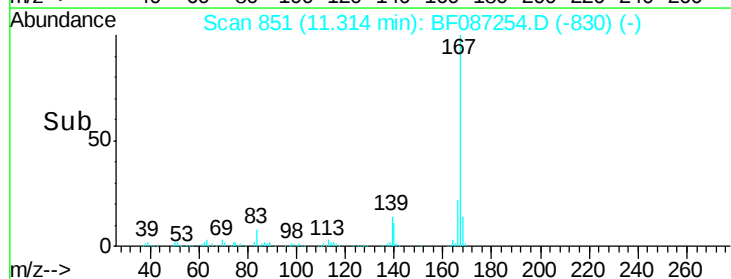
139 14.1 10.8 16.2

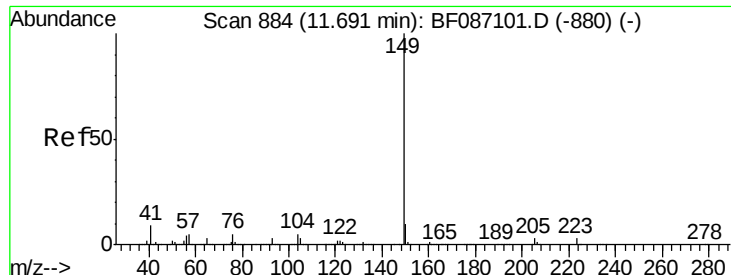


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 48.66 ng

RT: 11.65 min Scan# 880

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

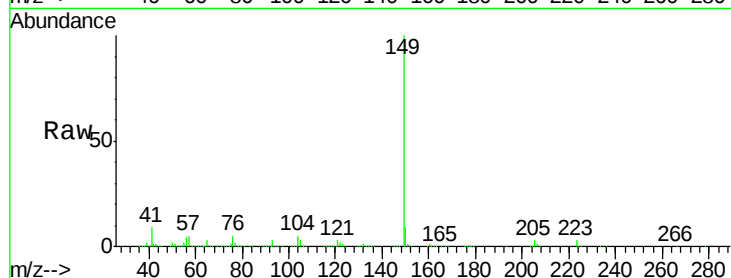
Tgt Ion:149 Resp: 1347539

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

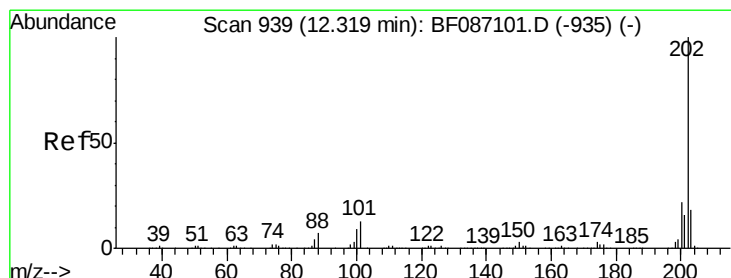
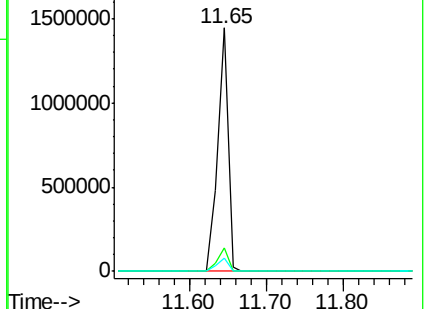
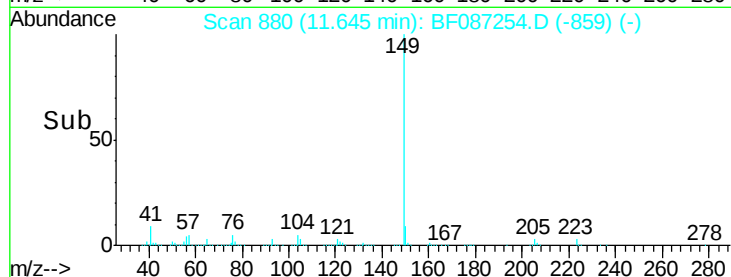
104 5.4 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.97 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

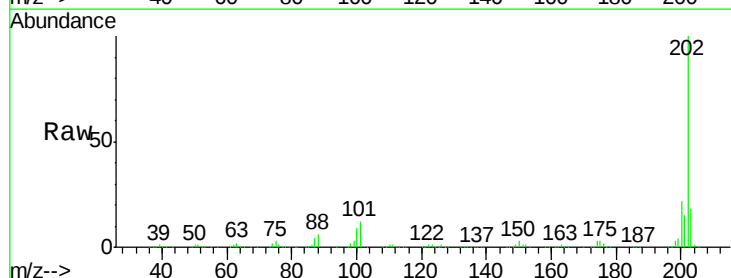
Tgt Ion:202 Resp: 1097150

Ion Ratio Lower Upper

202 100

101 12.2 0.0 35.4

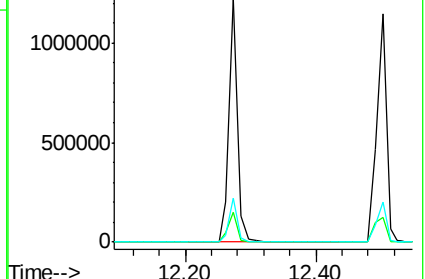
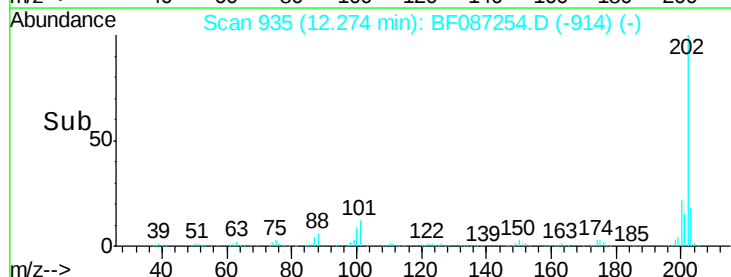
203 18.2 0.0 38.1

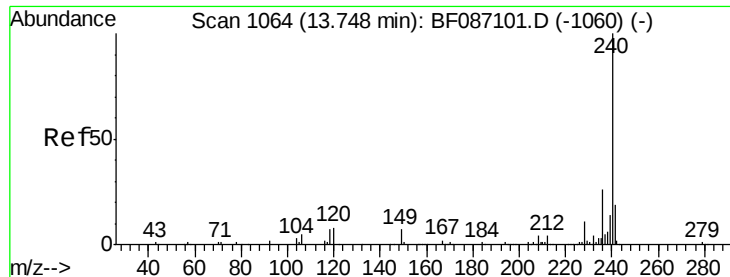


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

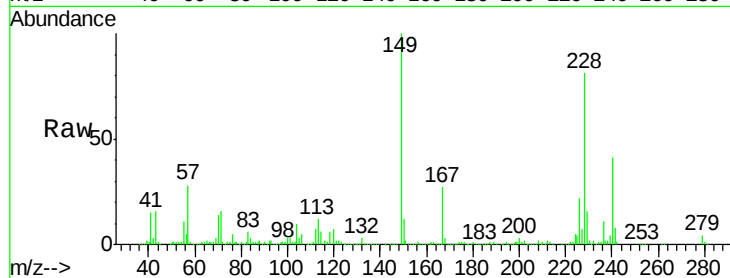
Tgt Ion:240 Resp: 301914

Ion Ratio Lower Upper

240 100

120 16.1 11.2 16.8

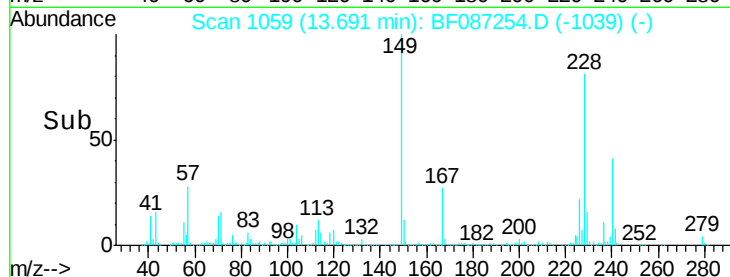
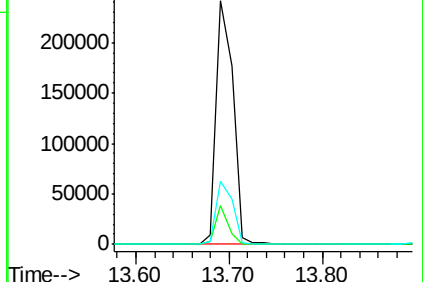
236 25.8 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.97 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

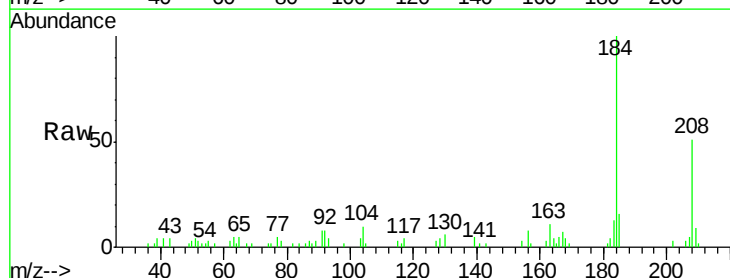
Tgt Ion:184 Resp: 34438

Ion Ratio Lower Upper

184 100

185 16.0 13.6 20.4

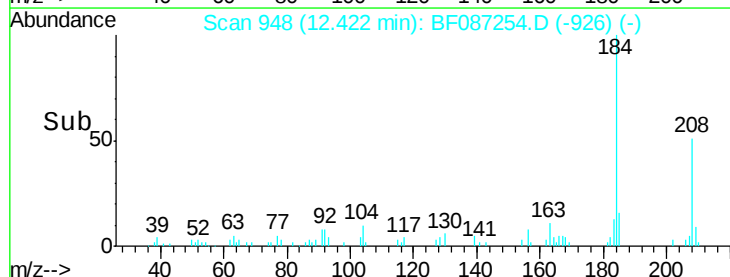
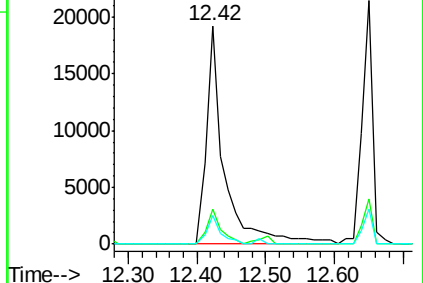
183 13.2 9.8 14.6

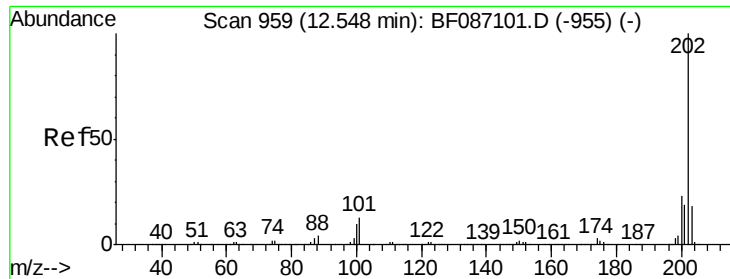


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

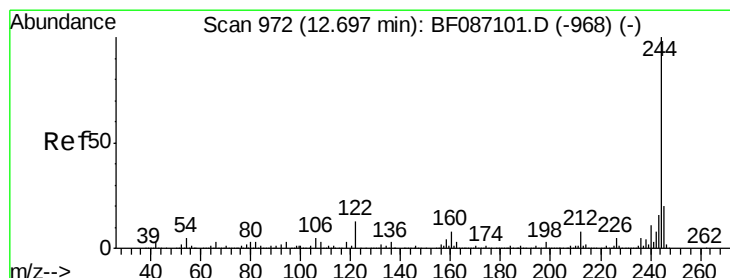
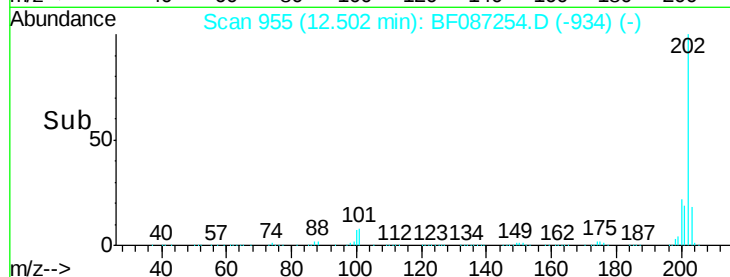
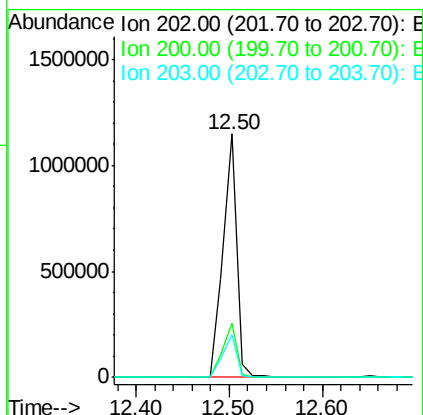
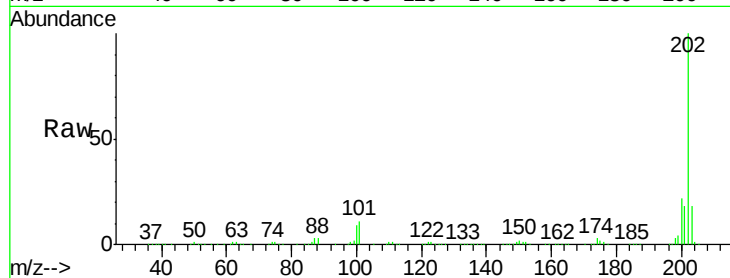




#77
Pyrene
 Concen: 53.50 ng
 RT: 12.50 min Scan# 955
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

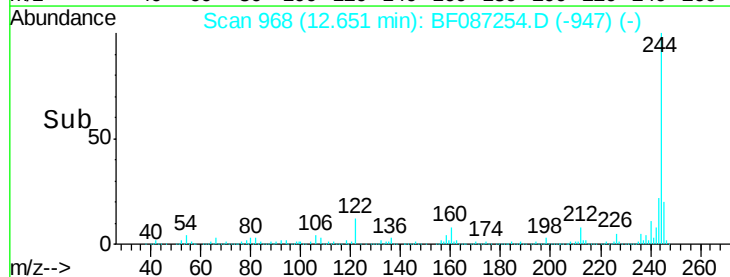
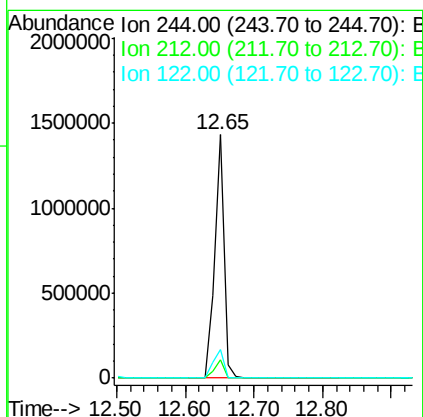
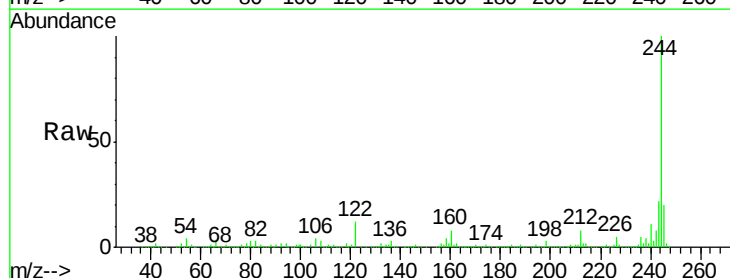
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion:202 Resp: 1166875
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.7 26.5
 203 17.8 14.2 21.4



#78
Terphenyl-d14
 Concen: 104.11 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion:244 Resp: 1389527
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 12.0 12.0 18.0#





#79

Butylbenzylphthalate

Concen: 58.24 ng

RT: 13.13 min Scan# 1010

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

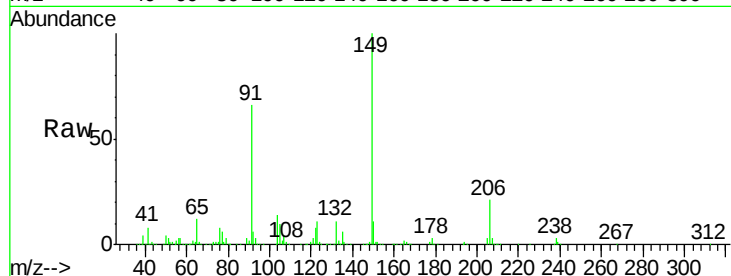
Tgt Ion:149 Resp: 536242

Ion Ratio Lower Upper

149 100

91 66.1 48.0 72.0

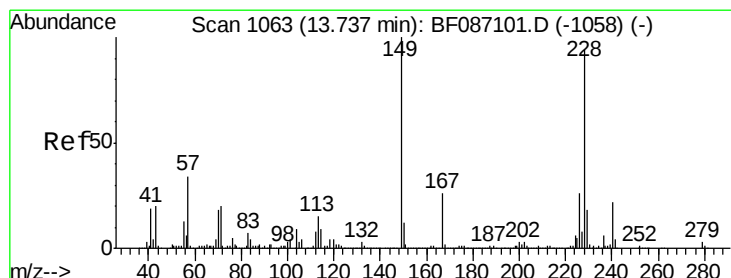
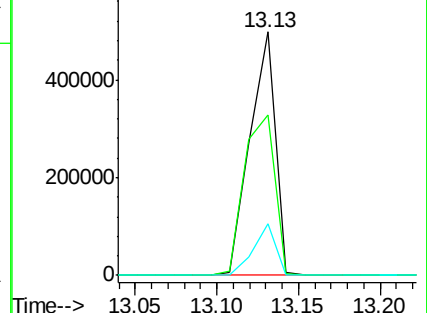
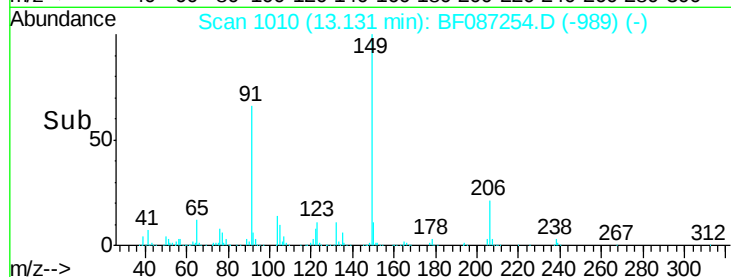
206 21.1 15.8 23.6



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: 45.24 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

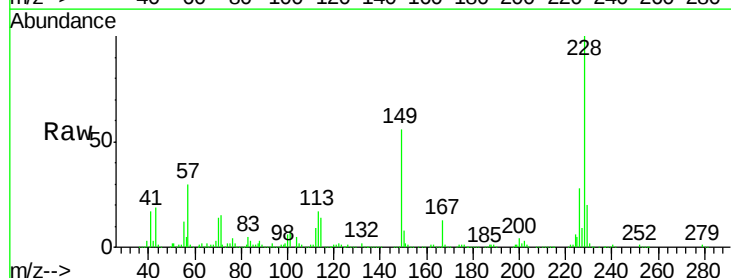
Tgt Ion:228 Resp: 789772

Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

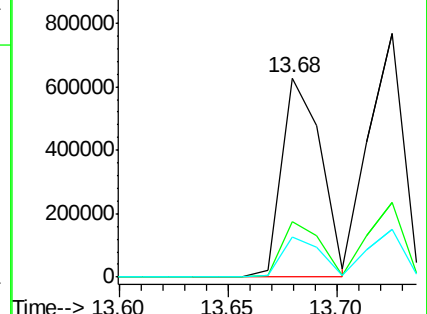
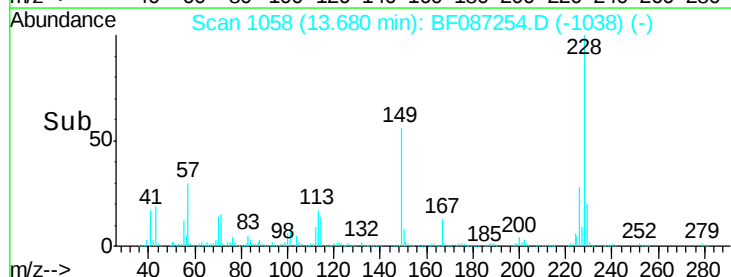
229 20.2 16.6 25.0

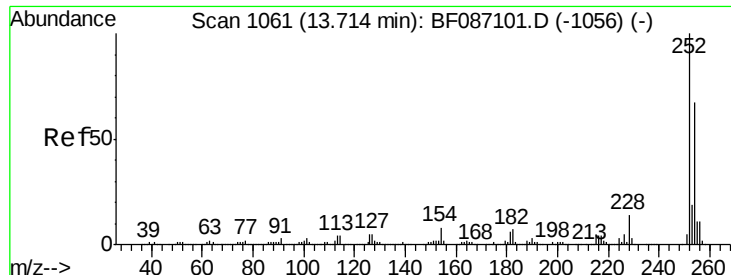


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

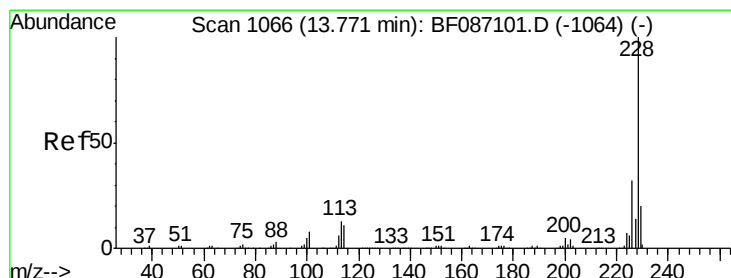
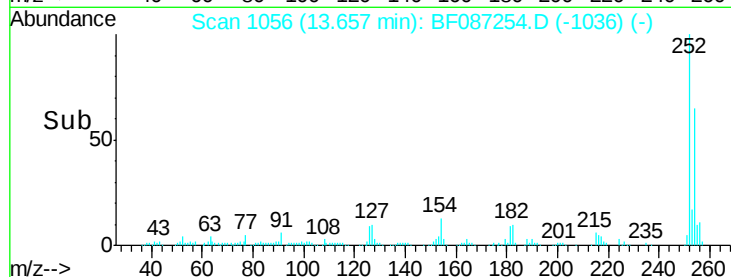
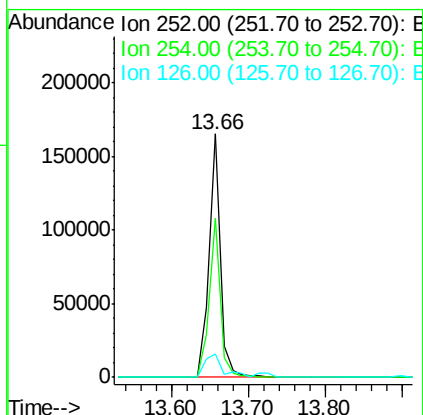
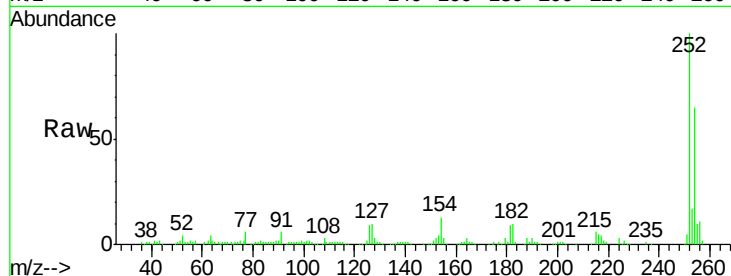




#81
 3,3'-Dichlorobenzidine
 Concen: 15.17 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. -0.07 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

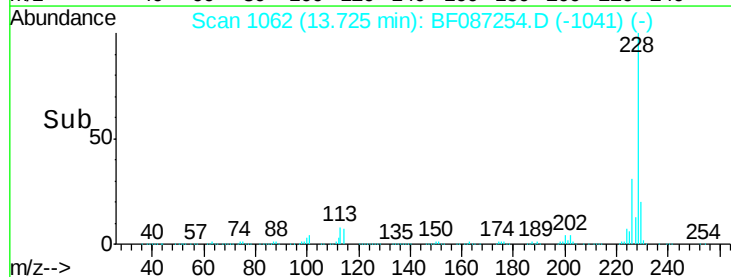
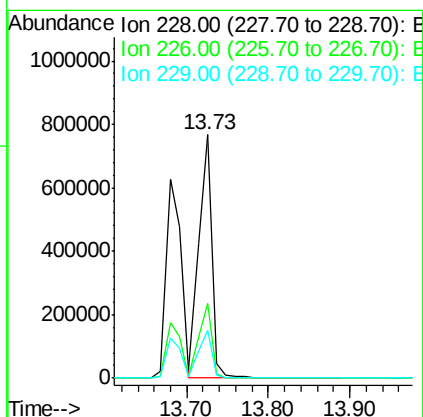
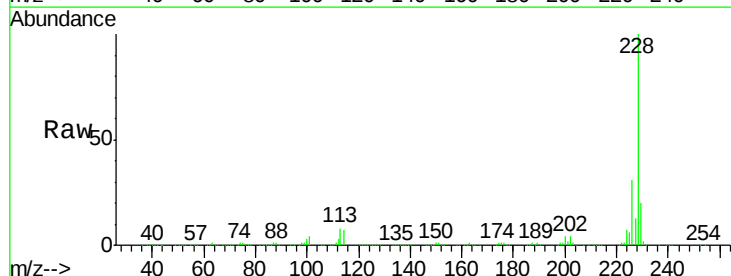
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

Tgt Ion: 252 Resp: 168561
 Ion Ratio Lower Upper
 252 100
 254 65.3 50.7 76.1
 126 9.4 12.7 19.1#



#82
 Chrysene
 Concen: 51.45 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.06 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion: 228 Resp: 868905
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.4 36.6
 229 19.7 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 59.23 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

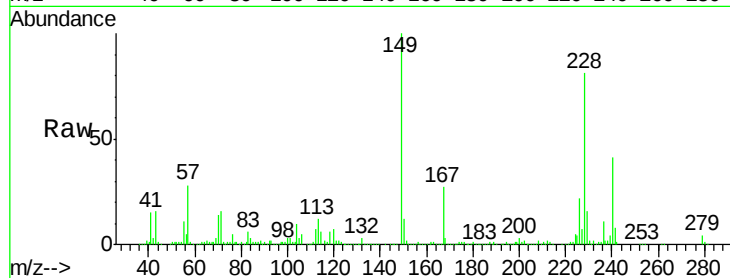
Tgt Ion:149 Resp: 663783

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.6

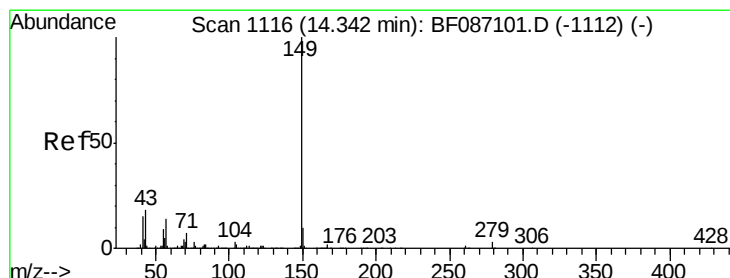
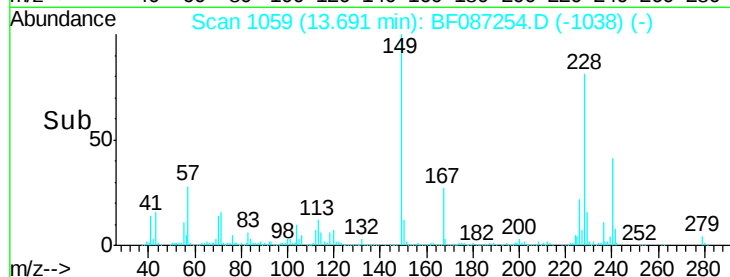
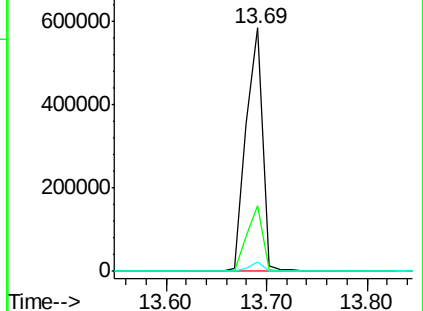
279 4.1 2.6 4.0#



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: 55.87 ng

RT: 14.30 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

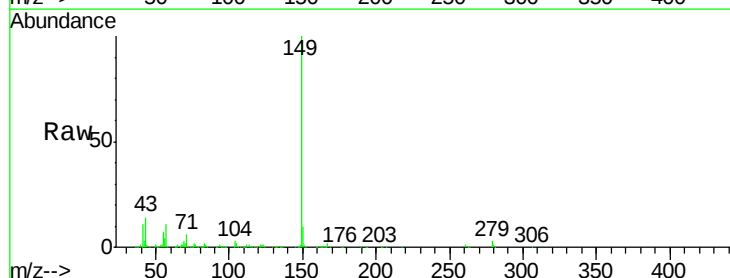
Tgt Ion:149 Resp: 1078623

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

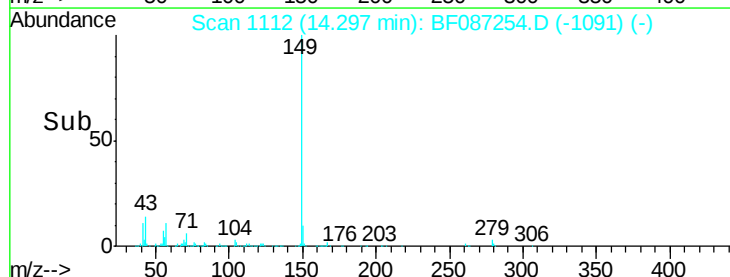
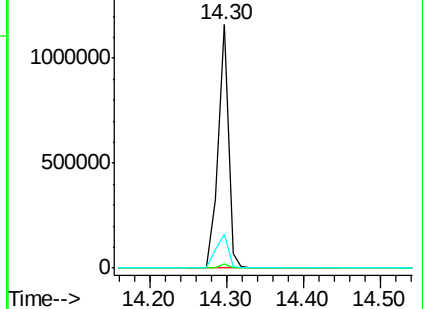
43 16.3 8.2 12.4#

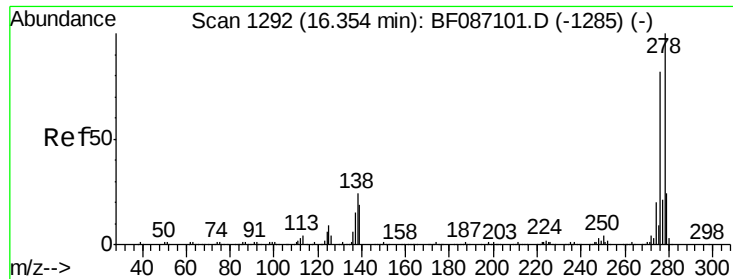


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

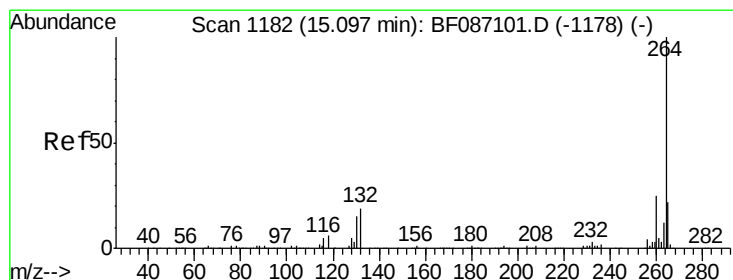
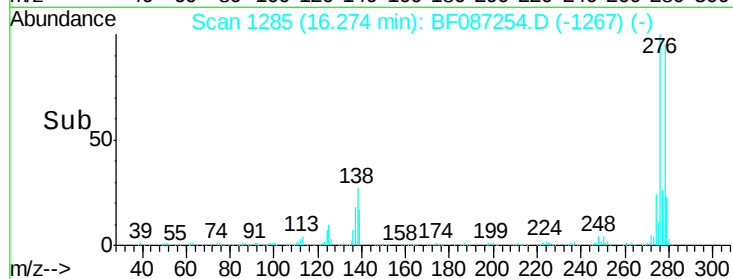
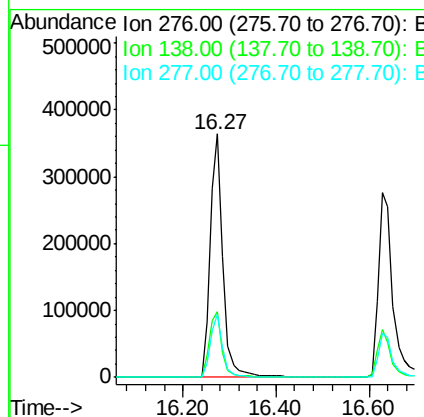
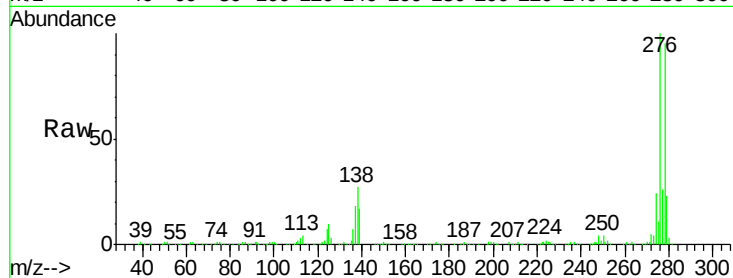




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 47.38 ng
 RT: 16.27 min Scan# 1285
 Delta R.T. -0.09 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

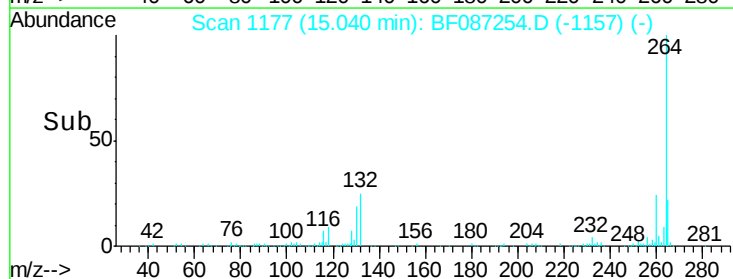
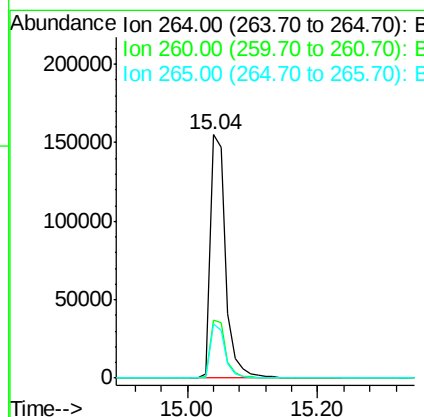
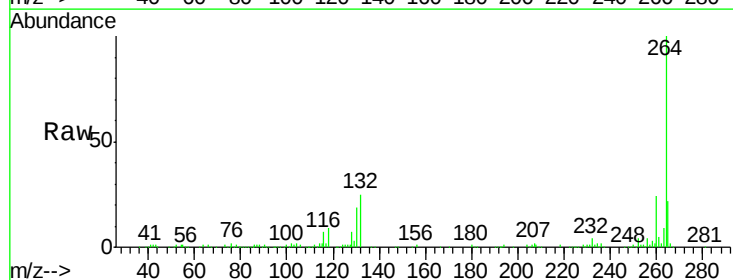
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)MSD

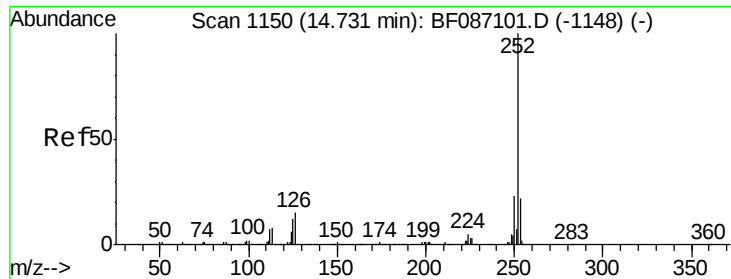
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.6	38.4
277	25.2	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.07 min
 Lab File: BF087254.D
 Acq: 21 May 2016 6:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 80.36 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.06 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

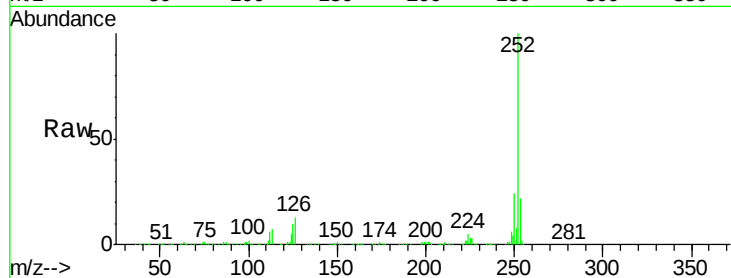
Tgt Ion:252 Resp: 1371589

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

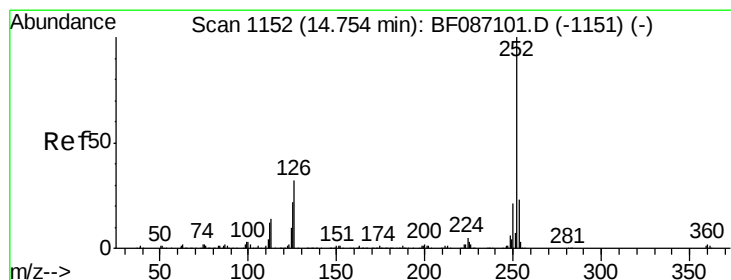
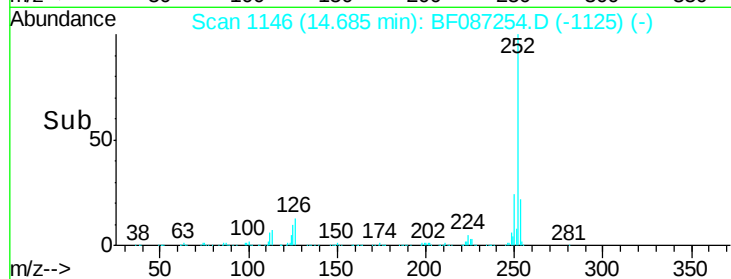
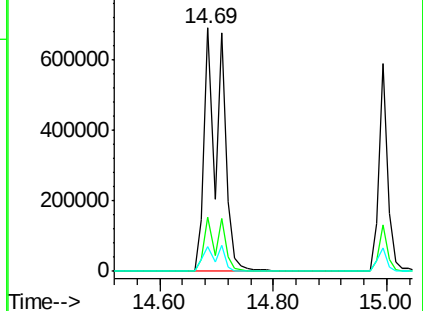
125 10.3 11.4 17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 107.94 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.09 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

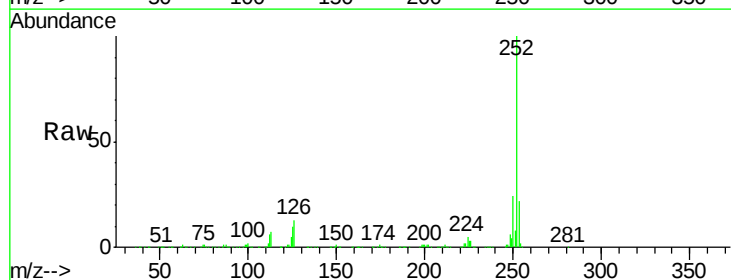
Tgt Ion:252 Resp: 1371589

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

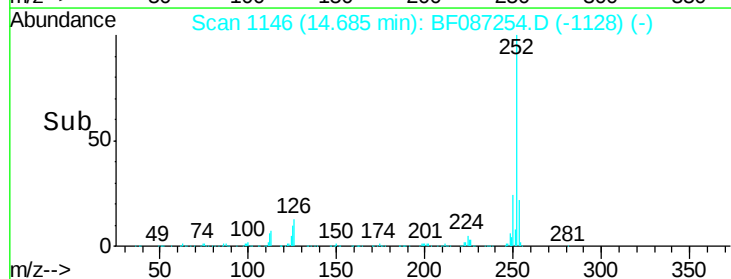
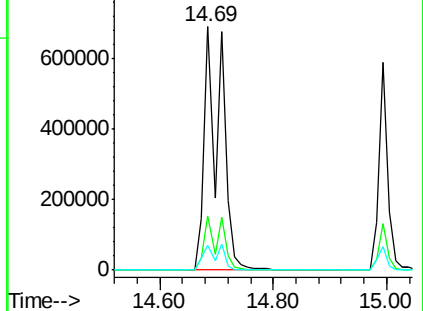
125 10.3 9.1 13.7

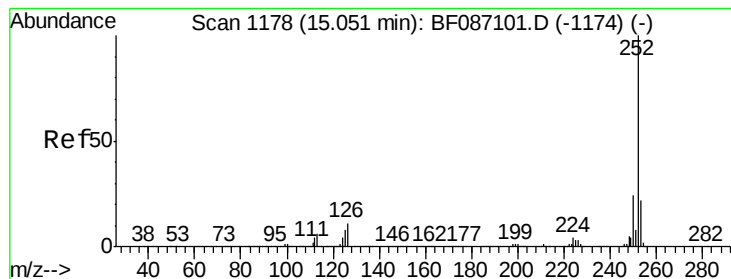


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 45.50 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.07 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD

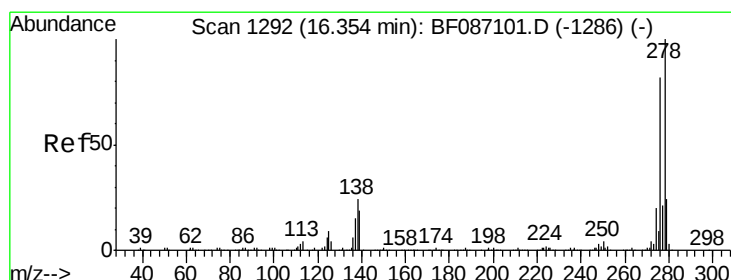
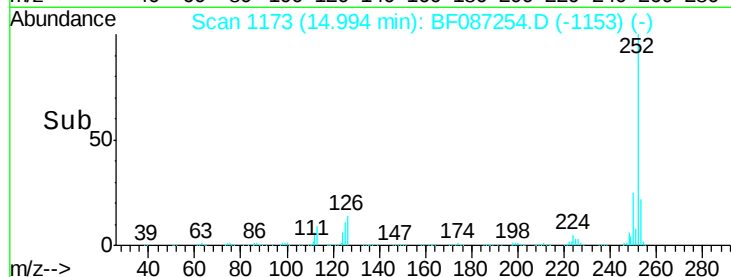
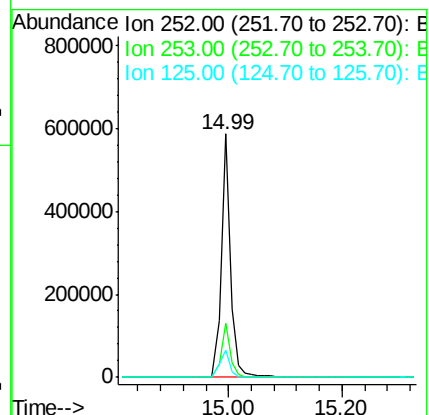
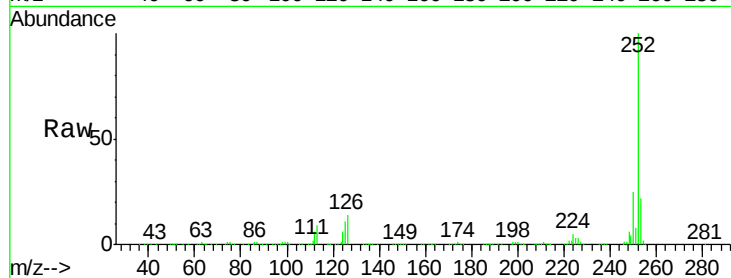
Tgt Ion:252 Resp: 649201

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 11.3 9.0 13.6



#90

Dibenzo(a,h)anthracene

Concen: 49.12 ng

RT: 16.27 min Scan# 1285

Delta R.T. -0.10 min

Lab File: BF087254.D

Acq: 21 May 2016 6:13

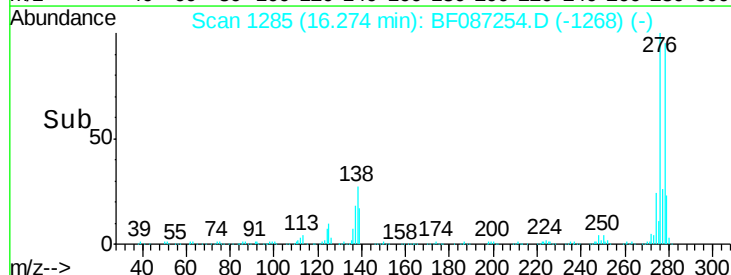
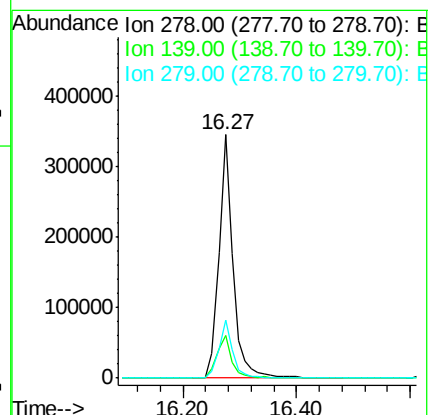
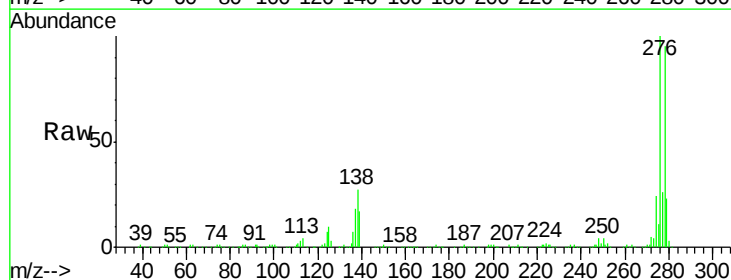
Tgt Ion:278 Resp: 590012

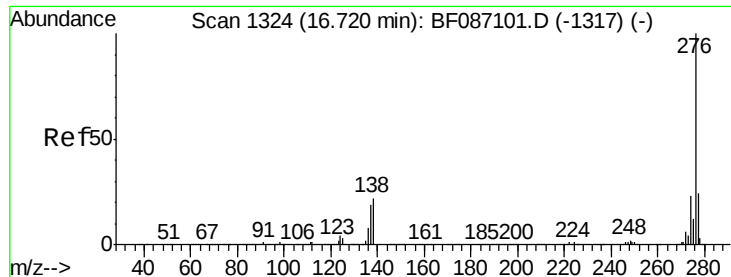
Ion Ratio Lower Upper

278 100

139 17.4 16.6 24.8

279 24.1 19.6 29.4





#91

Benzo(g,h,i)perylene

Concen: 50.05 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF087254.D

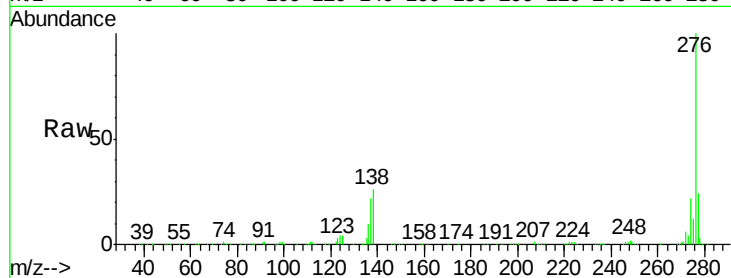
Acq: 21 May 2016 6:13

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)MSD



Tgt Ion:	276	Resp:	607230
Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.6	29.4
138	25.7	23.6	35.4

