

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
 Data File : BF091927.D
 Acq On : 23 Dec 2016 16:50
 Operator : UM/SJ
 Sample : H6156-25MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Quant Time: Dec 26 10:10:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 10:05:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	186501	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	749140	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	425300	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	709624	20.00	ng	0.00
75) Chrysene-d12	13.89	240	507833	20.00	ng	-0.01
86) Perylene-d12	15.29	264	403764	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1490446	133.44	ng	0.05
7) Phenol-d6	6.44	99	1786010	130.97	ng	0.03
23) Nitrobenzene-d5	7.31	82	1397009	103.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	544295	154.64	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2178609	108.53	ng	-0.01
78) Terphenyl-d14	12.84	244	2026483	96.78	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.34	88	215566	39.20	ng	99
3) Pyridine	3.01	79	577308	30.08	ng	98
4) n-Nitrosodimethylamine	2.98	42	343729	47.48	ng	99
6) Aniline	6.41	93	301919	17.05	ng	# 45
8) 2-Chlorophenol	6.54	128	572642	45.07	ng	97
9) Benzaldehyde	6.28	77	79184	7.74	ng	96
10) Phenol	6.45	94	760096	48.91	ng	# 71
11) bis(2-Chloroethyl)ether	6.49	93	672311	54.38	ng	97
12) 1,3-Dichlorobenzene	6.68	146	610197	44.99	ng	# 95
13) 1,4-Dichlorobenzene	6.76	146	624421	45.23	ng	95
14) 1,2-Dichlorobenzene	6.91	146	499271	41.68	ng	95
15) Benzyl Alcohol	6.91	79	571397	53.93	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.02	45	877856	47.68	ng	93
17) 2-Methylphenol	7.05	107	518064	50.70	ng	98
18) Hexachloroethane	7.25	117	236455	46.20	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	517092	57.00	ng	# 90
20) 3+4-Methylphenols	7.21	107	718683	58.97	ng	# 72
22) Acetophenone	7.16	105	977608	52.91	ng	# 91
24) Nitrobenzene	7.33	77	755377	52.64	ng	97
25) Isophorone	7.57	82	1250017	50.29	ng	95
26) 2-Nitrophenol	7.65	139	366994	51.86	ng	# 87
27) 2,4-Dimethylphenol	7.72	122	568968	48.48	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	790138	52.42	ng	99
29) 2,4-Dichlorophenol	7.92	162	546195	54.96	ng	94
30) 1,2,4-Trichlorobenzene	7.97	180	541719	49.74	ng	# 96
31) Naphthalene	8.06	128	7012922	204.54	ng	97
32) Benzoic acid	7.88	122	362222m	41.61	ng	
33) 4-Chloroaniline	8.11	127	212625	13.75	ng	99
34) Hexachlorobutadiene	8.17	225	279941	48.70	ng	99
35) Caprolactam	8.49	113	120887m	37.02	ng	
36) 4-Chloro-3-methylphenol	8.62	107	593508	51.90	ng	100
37) 2-Methylnaphthalene	8.74	142	1427635	60.72	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	514150	47.85	ng	97
40) Hexachlorocyclopentadiene	8.90	237	405578	84.52	ng	99

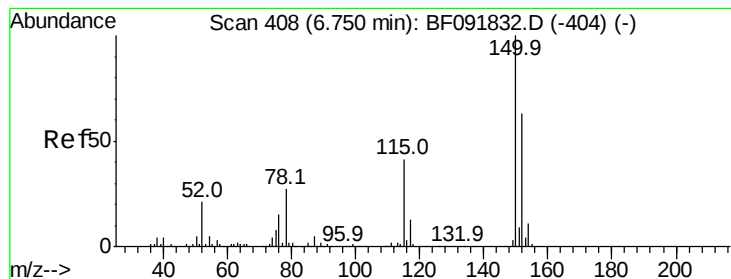
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	356623	47.46	nq	97
43) 2,4,5-Trichlorophenol	9.08	196	343958	44.48	nq	92
45) 1,1'-Biphenyl	9.21	154	1520325	52.21	nq	98
46) 2-Chloronaphthalene	9.23	162	1097857	47.61	nq	95
47) 2-Nitroaniline	9.33	65	332786	40.53	nq	96
48) Acenaphthylene	9.64	152	1652789	46.60	nq	99
49) Dimethylphthalate	9.52	163	1299707	47.78	nq	98
50) 2,6-Dinitrotoluene	9.57	165	290695	48.83	nq	# 61
51) Acenaphthene	9.81	154	1025024	42.63	nq	99
52) 3-Nitroaniline	9.74	138	148239	20.12	nq	95
53) 2,4-Dinitrophenol	9.86	184	327402	98.83	nq	# 68
54) Dibenzofuran	9.98	168	1382056	42.56	nq	96
55) 4-Nitrophenol	9.96	139	525731	105.09	nq	# 71
56) 2,4-Dinitrotoluene	9.98	165	405417	54.25	nq	94
57) Fluorene	10.33	166	1117185	47.29	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	306829	50.16	nq	98
59) Diethylphthalate	10.21	149	1274812	48.26	nq	99
60) 4-Chlorophenyl-phenylether	10.33	204	536156	51.83	nq	# 78
61) 4-Nitroaniline	10.36	138	242560	31.77	nq	94
62) Azobenzene	10.48	77	1463651	50.32	nq	97
64) 4,6-Dinitro-2-methylphenol	10.40	198	220061	51.28	nq	86
65) n-Nitrosodiphenylamine	10.44	169	1059492	50.32	nq	99
66) 4-Bromophenyl-phenylether	10.81	248	343133	46.48	nq	97
67) Hexachlorobenzene	10.88	284	371463	47.08	nq	# 94
68) Atrazine	10.98	200	308675	45.44	nq	97
69) Pentachlorophenol	11.08	266	372124	96.12	nq	98
70) Phenanthrene	11.29	178	1831422	47.60	nq	99
71) Anthracene	11.33	178	1772043	57.22	nq	99
72) Carbazole	11.50	167	1756162	49.26	nq	98
73) Di-n-butylphthalate	11.82	149	1917159	53.34	nq	99
74) Fluoranthene	12.46	202	1760249	52.81	nq	98
76) Benzidine	12.59	184	160734	8.98	nq	95
77) Pyrene	12.69	202	1690187	45.36	nq	100
79) Butylbenzylphthalate	13.32	149	861659	50.85	nq	94
80) Benzo(a)anthracene	13.88	228	1347359	47.00	nq	99
81) 3,3'-Dichlorobenzidine	13.85	252	227138	20.90	nq	98
82) Chrysene	13.92	228	1243518	43.25	nq	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	1026793	51.45	nq	# 100
84) Di-n-octyl phthalate	14.49	149	1798460	48.65	nq	100
85) Indeno(1,2,3-cd)pyrene	16.63	276	1157692	46.47	nq	99
87) Benzo(b)fluoranthene	14.90	252	1308680m	52.06	nq	
88) Benzo(k)fluoranthene	14.92	252	962714m	44.91	nq	
89) Benzo(a)pyrene	15.23	252	1088864	48.80	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	956164	52.14	nq	97
91) Benzo(g,h,i)perylene	17.03	276	1004237	52.66	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091927.D

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WC-201612MSD

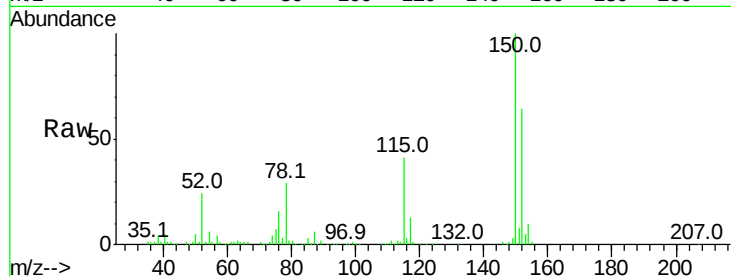
Tot Ion:152 Resp: 186501

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

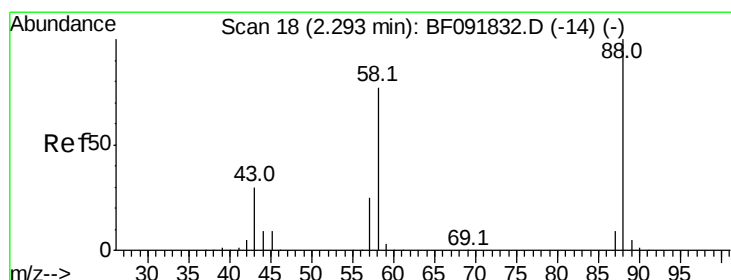
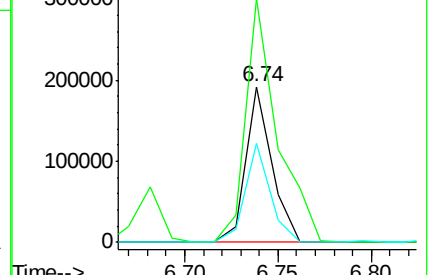
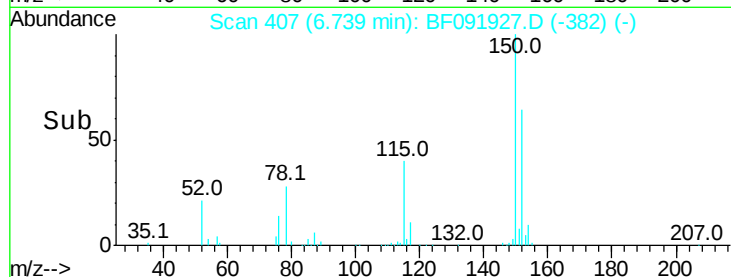
115 63.5 46.0 69.0



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: 39.20 ng

RT: 2.34 min Scan# 22

Delta R.T. 0.05 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

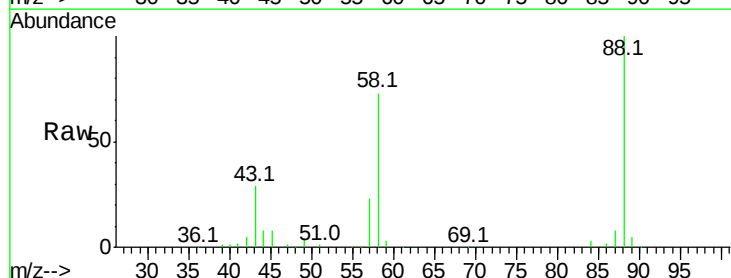
Tgt Ion: 88 Resp: 215566

Ion Ratio Lower Upper

88 100

58 71.7 57.8 86.8

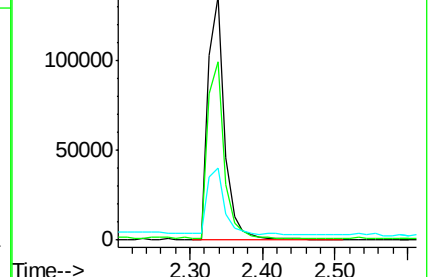
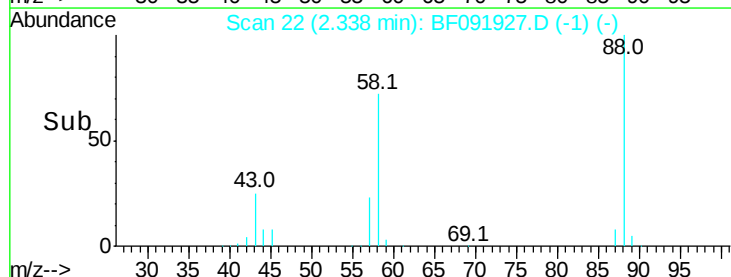
43 27.3 22.3 33.5

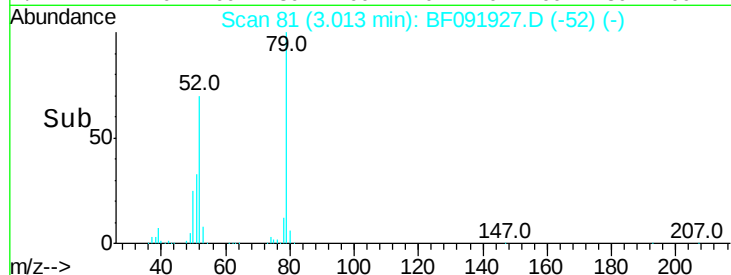
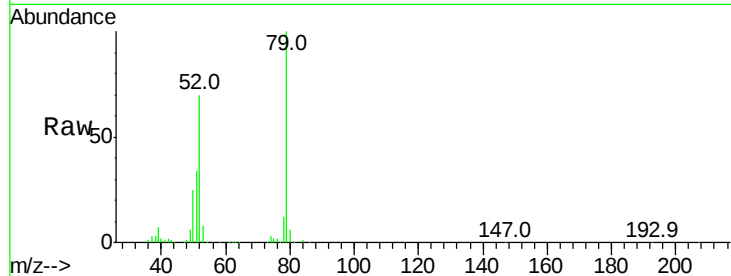
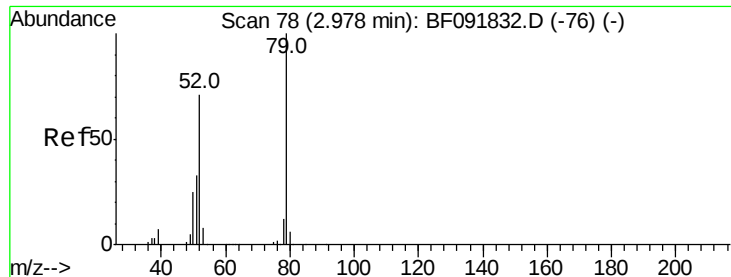


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 30.08 ng

RT: 3.01 min Scan# 81

Delta R.T. 0.03 min

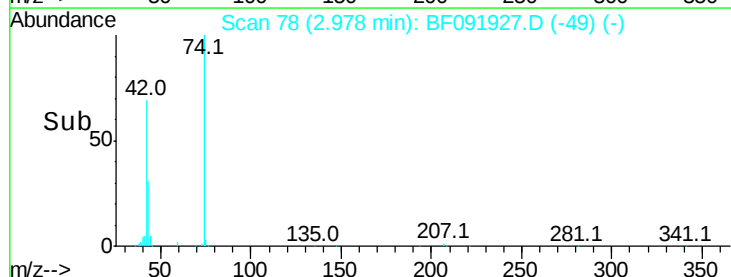
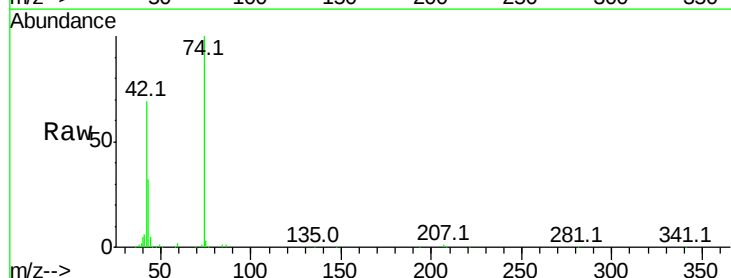
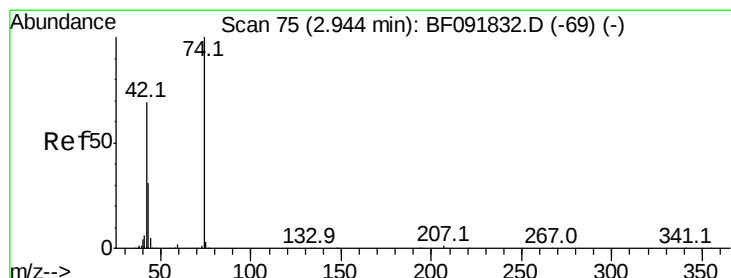
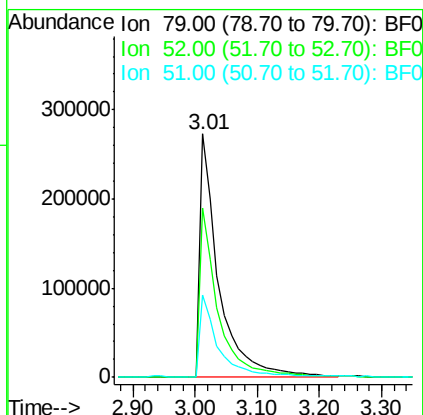
Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

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BNA_F
ClientSampleId :
WC-201612MSD

Tot Ion: 79 Resp: 577308

Ion	Ratio	Lower	Upper
79	100		
52	69.7	57.1	85.7
51	33.8	27.3	40.9



#4

n-Nitrosodimethylamine

Concen: 47.48 ng

RT: 2.98 min Scan# 78

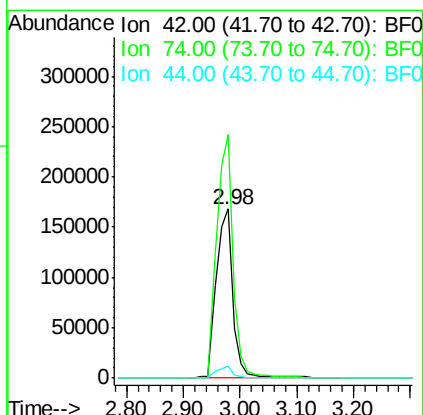
Delta R.T. 0.03 min

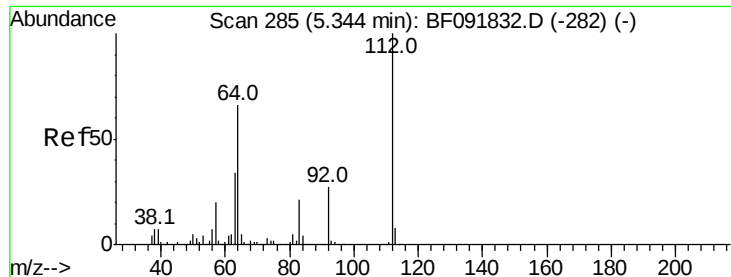
Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion: 42 Resp: 343729

Ion	Ratio	Lower	Upper
42	100		
74	144.3	117.0	175.4
44	6.9	5.5	8.3





#5

2-Fluorophenol

Concen: 133.44 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

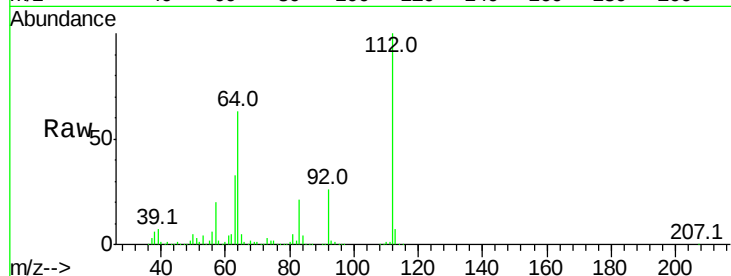
Tot Ion:112 Resp: 1490446

Ion Ratio Lower Upper

112 100

64 62.7 46.1 69.1

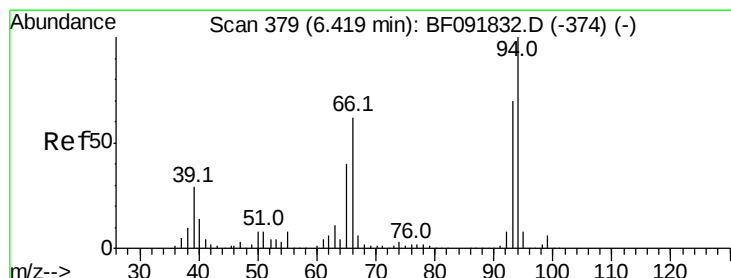
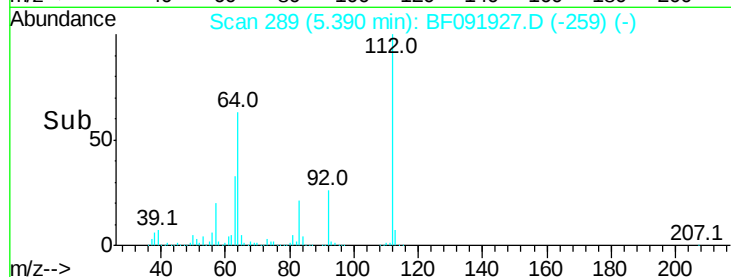
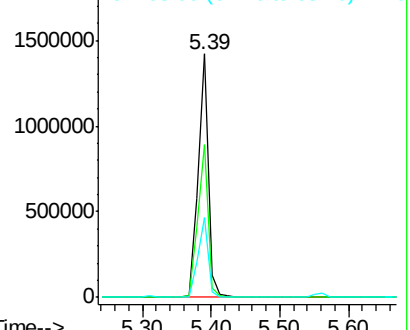
63 33.0 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.05 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

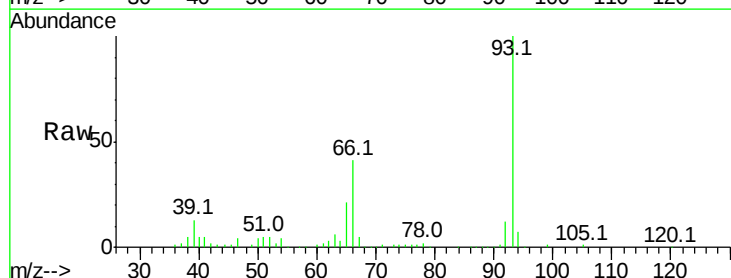
Tgt Ion: 93 Resp: 301919

Ion Ratio Lower Upper

93 100

66 41.1 76.2 114.2#

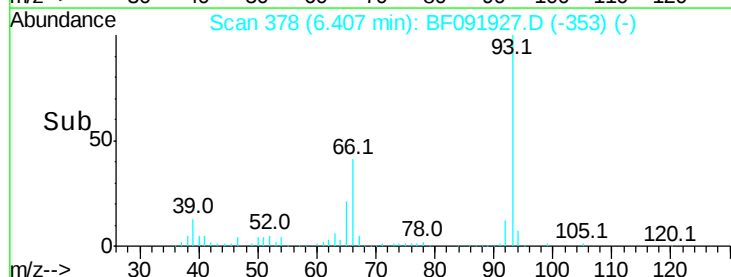
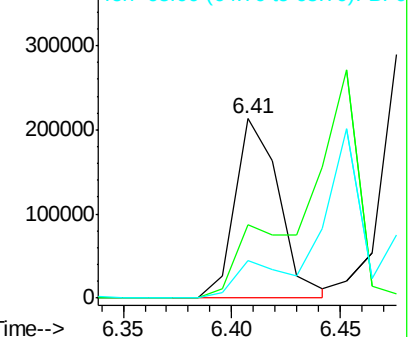
65 20.7 49.3 73.9#

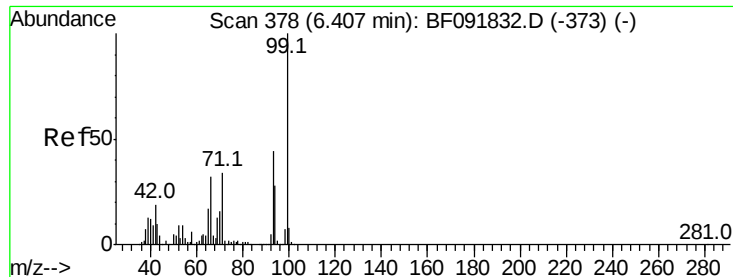


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 130.97 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091927.D

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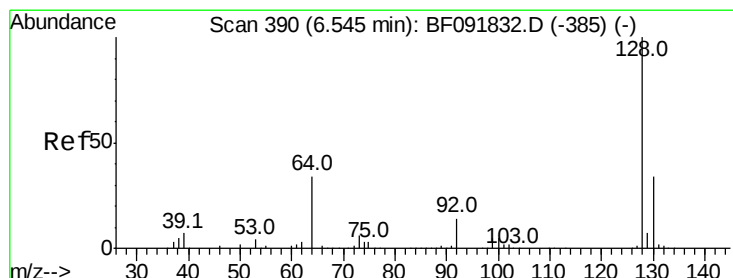
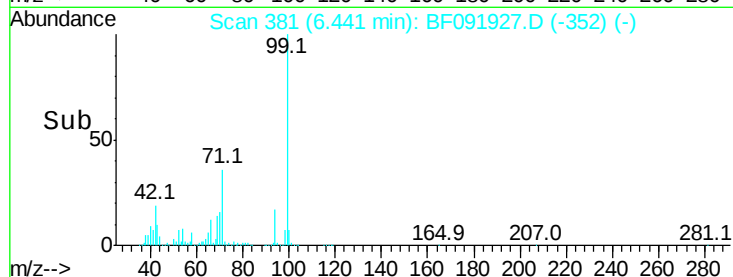
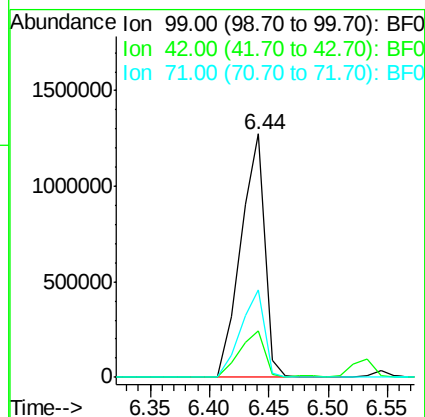
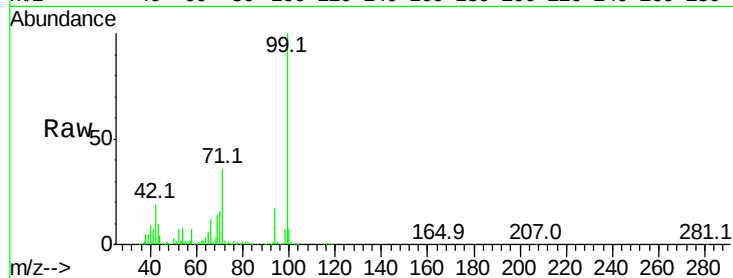
Tot Ion: 99 Resp: 1786010

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

71 36.0 27.5 41.3



#8

2-Chlorophenol

Concen: 45.07 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

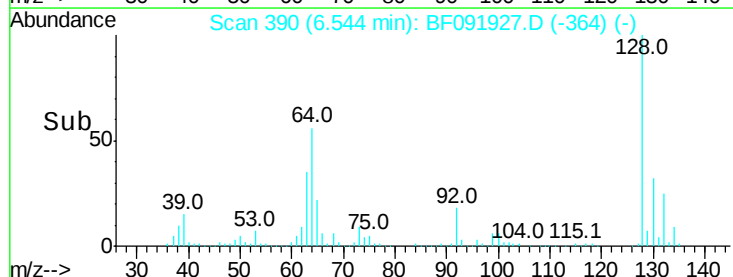
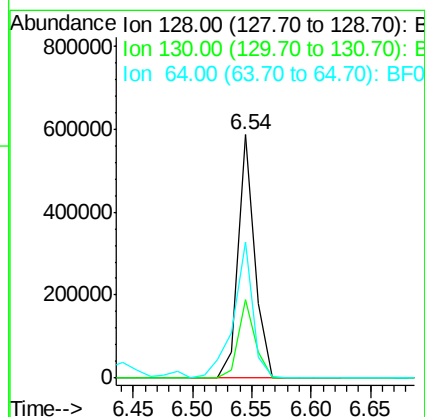
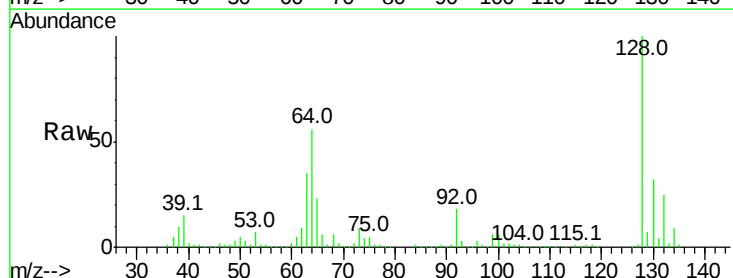
Tgt Ion:128 Resp: 572642

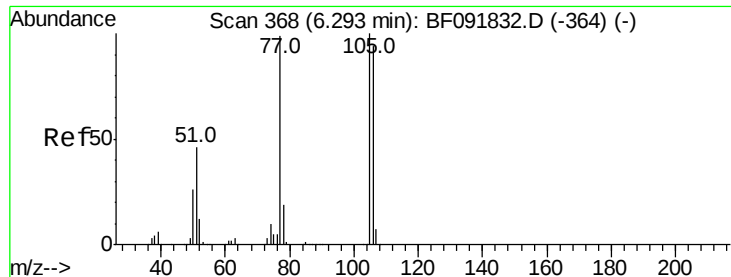
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 55.7 32.2 72.2





#9

Benzaldehyde

Concen: 7.74 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

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WC-201612MSD

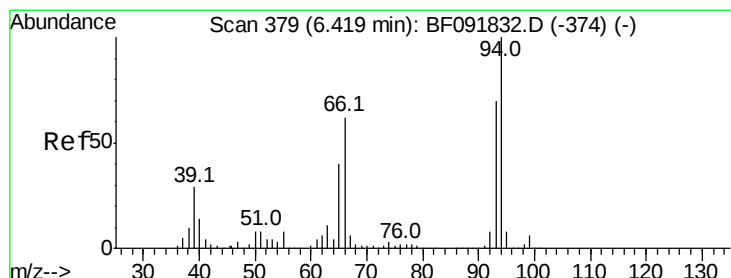
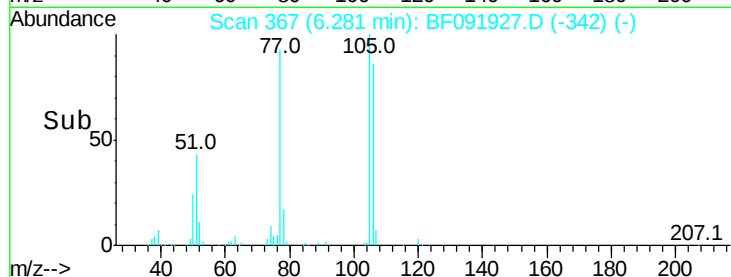
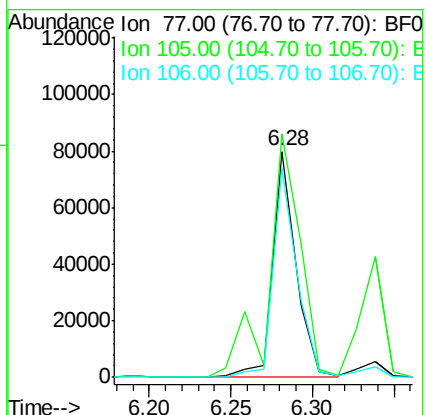
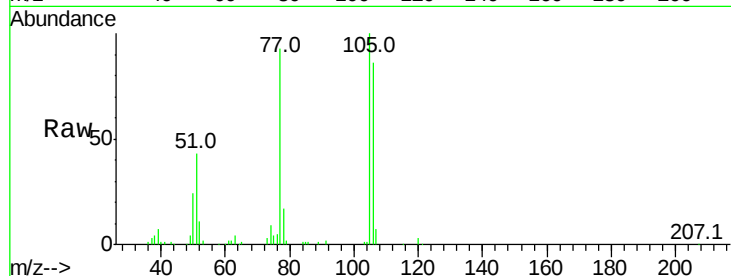
Tot Ion: 77 Resp: 79184

Ion Ratio Lower Upper

77 100

105 107.8 83.9 123.9

106 92.6 77.6 117.6



#10

Phenol

Concen: 48.91 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

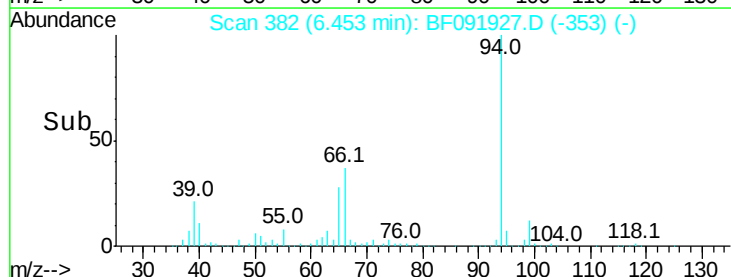
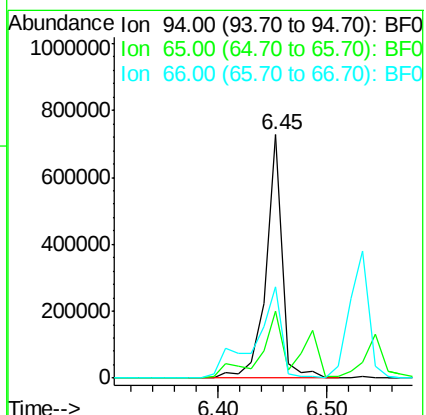
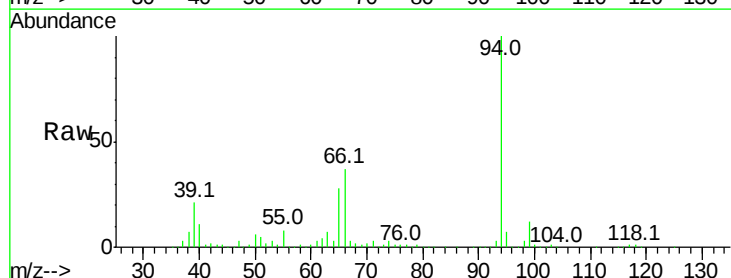
Tgt Ion: 94 Resp: 760096

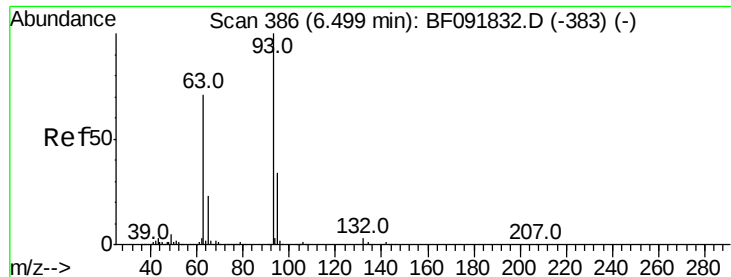
Ion Ratio Lower Upper

94 100

65 27.6 21.4 61.4

66 37.3 44.0 84.0#

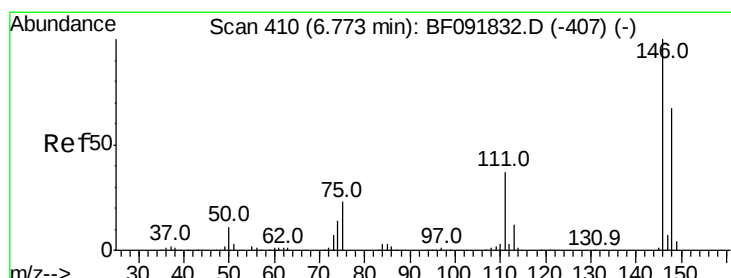
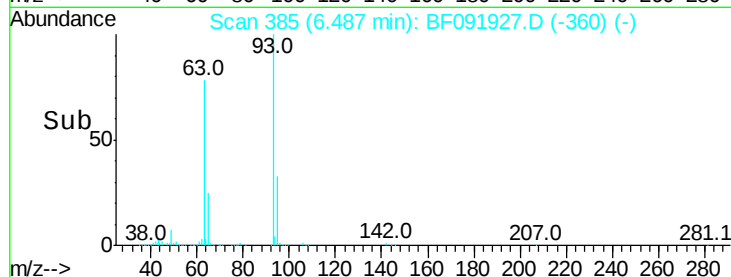
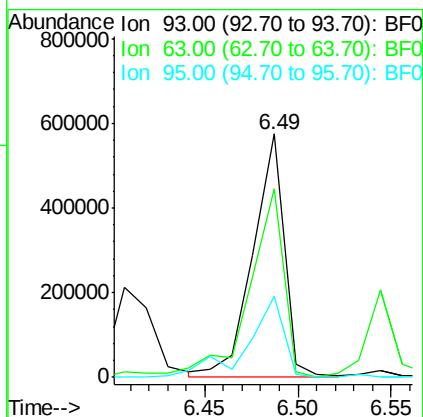
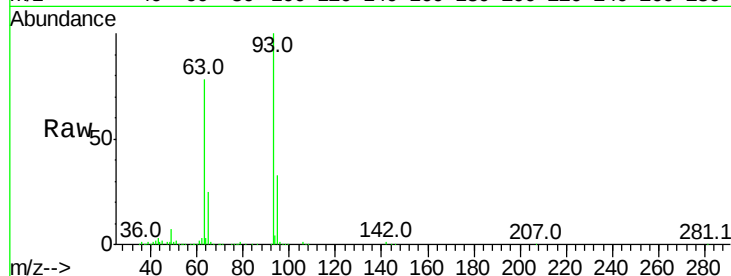




#11
bis(2-Chloroethyl)ether
Concen: 54.38 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

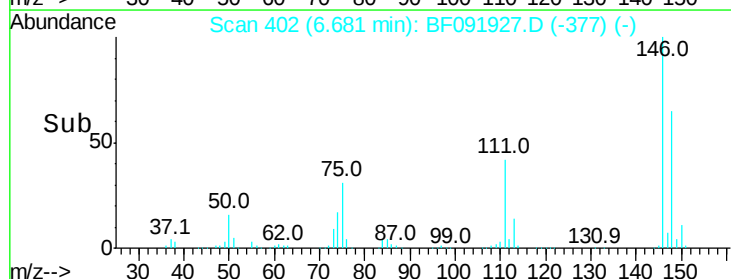
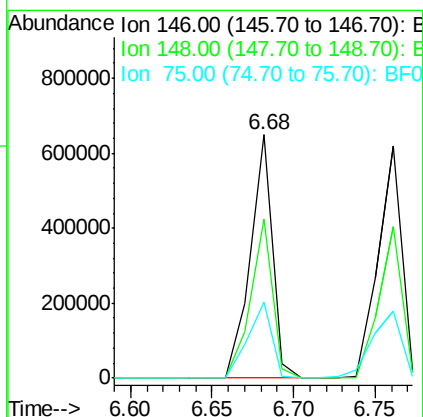
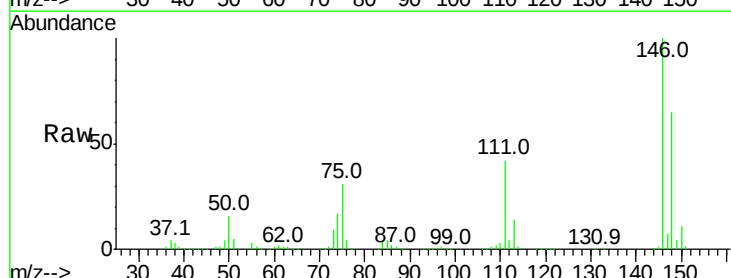
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

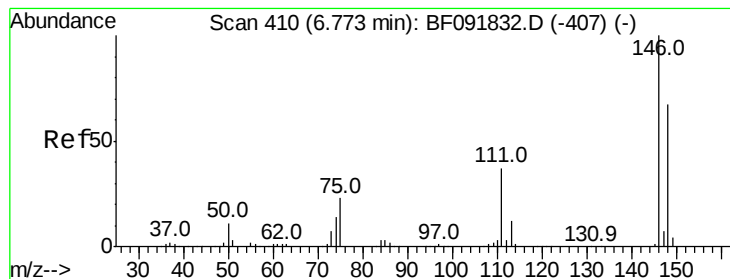
Tot Ion: 93 Resp: 672311
Ion Ratio Lower Upper
93 100
63 77.6 60.4 100.4
95 33.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 44.99 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion: 146 Resp: 610197
Ion Ratio Lower Upper
146 100
148 65.3 53.4 80.0
75 31.0 18.5 27.7#





#13

1,4-Dichlorobenzene

Concen: 45.23 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

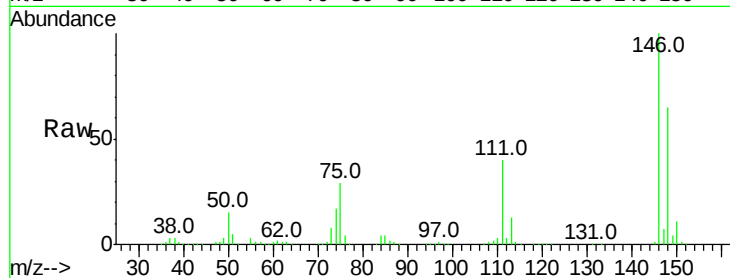
Tot Ion:146 Resp: 624421

Ion Ratio Lower Upper

146 100

148 65.2 50.6 76.0

111 39.8 36.2 54.4



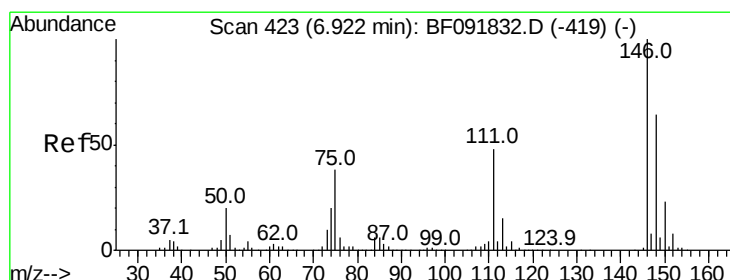
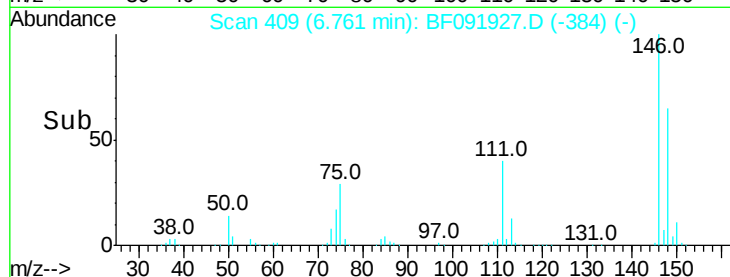
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.76

Time-->



#14

1,2-Dichlorobenzene

Concen: 41.68 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

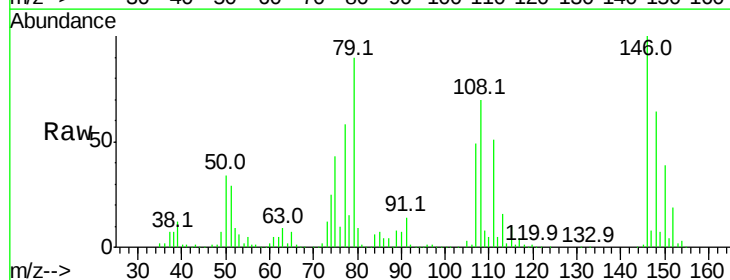
Tgt Ion:146 Resp: 499271

Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.2

111 50.8 36.2 54.2



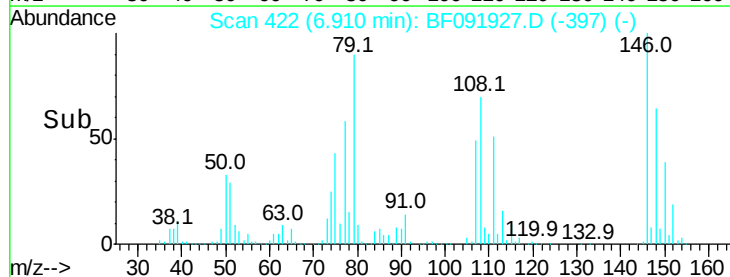
Abundance Ion 146.00 (145.70 to 146.70): E

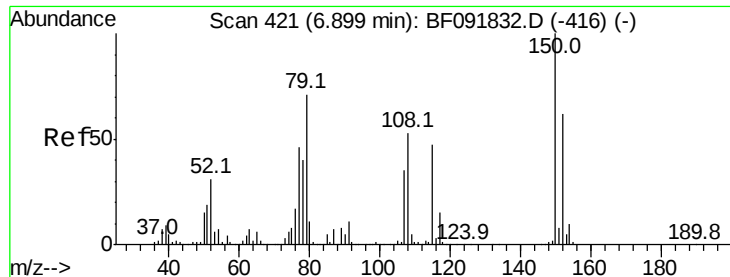
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.91

Time-->





#15

Benzyl Alcohol

Concen: 53.93 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

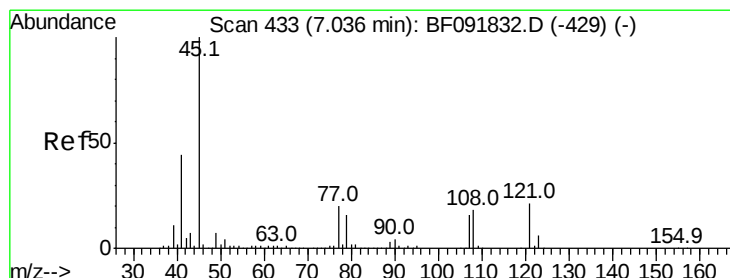
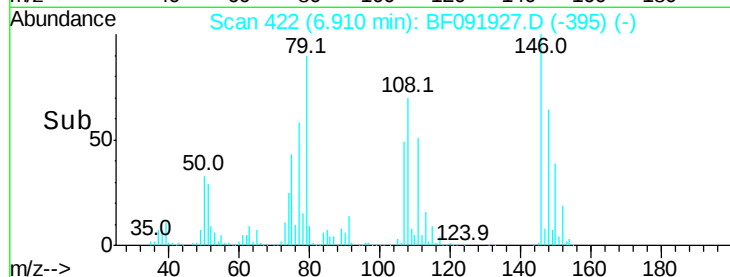
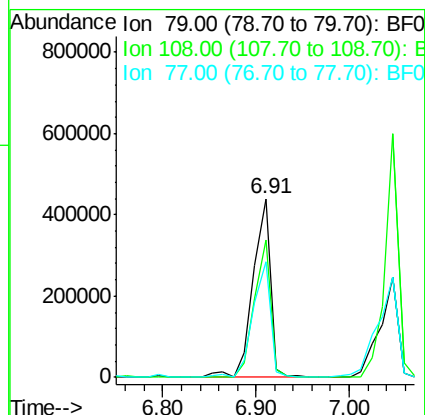
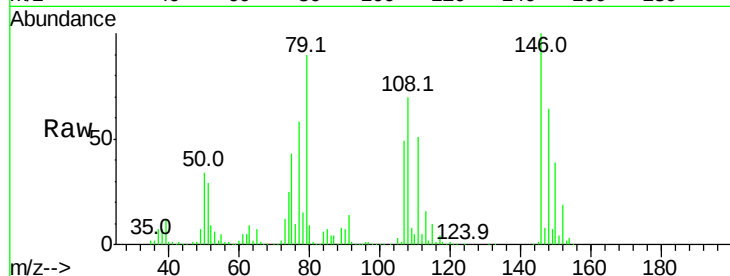
Tot Ion: 79 Resp: 571397

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 64.5 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.68 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

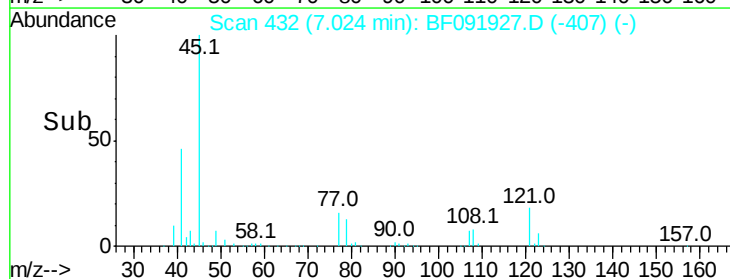
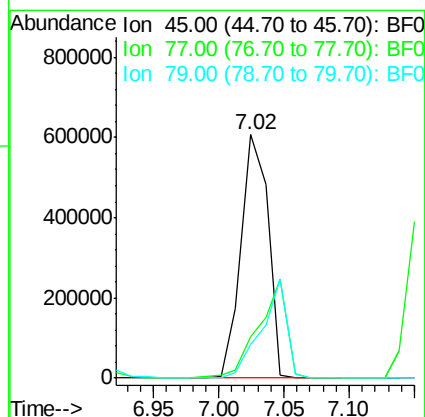
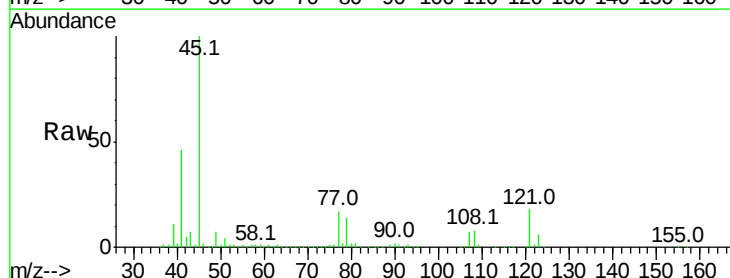
Tgt Ion: 45 Resp: 877856

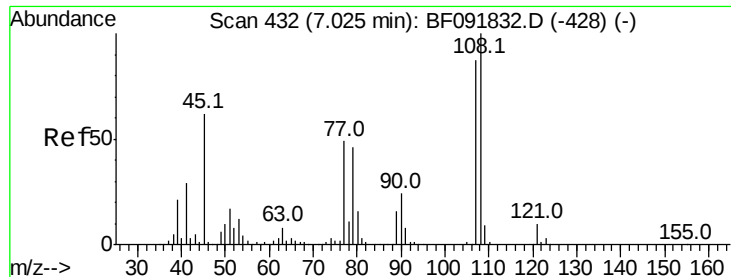
Ion Ratio Lower Upper

45 100

77 17.1 0.0 34.6

79 13.9 0.0 31.2

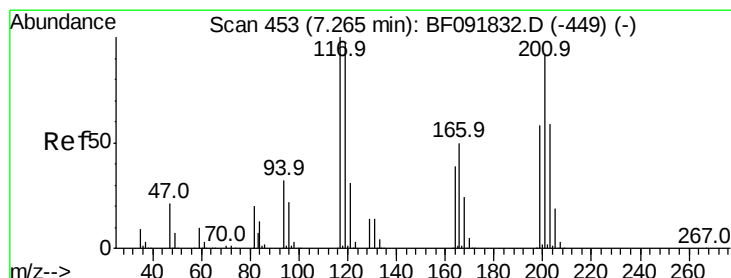
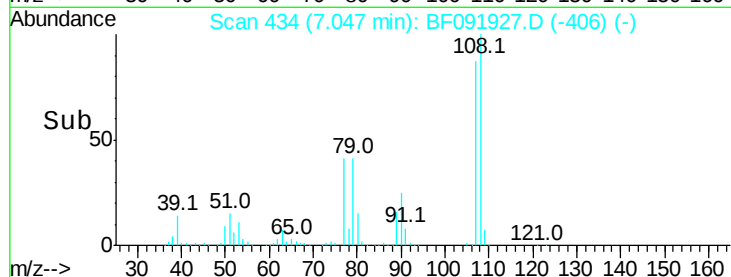
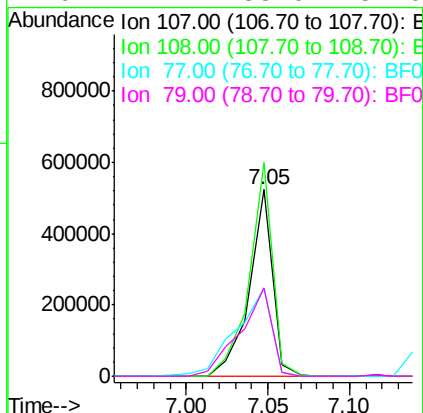
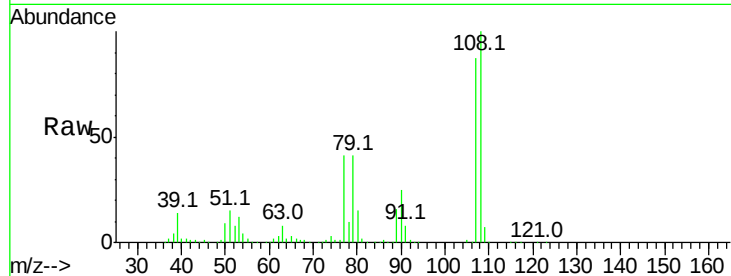




#17
2-Methylphenol
Concen: 50.70 ng
RT: 7.05 min Scan# 434
Delta R.T. 0.02 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

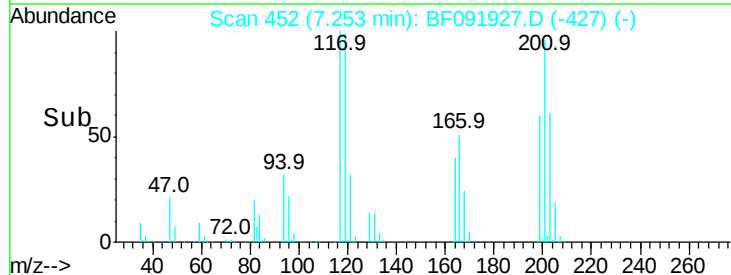
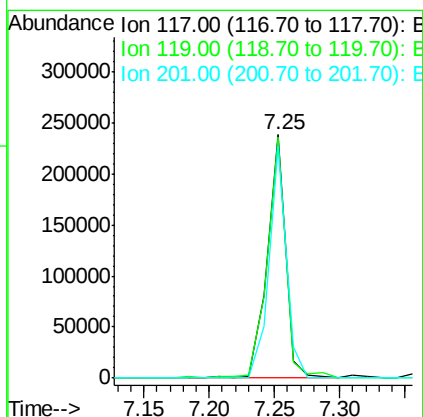
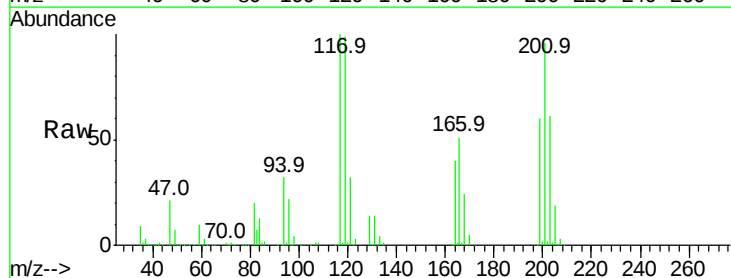
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

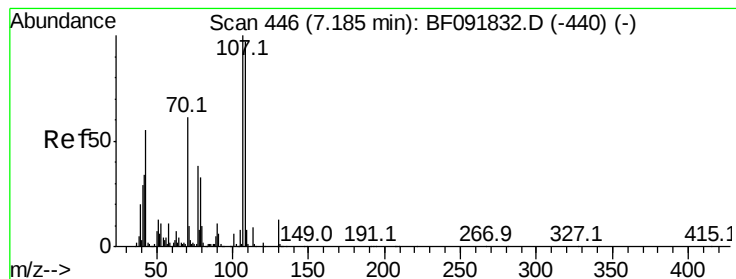
Tot Ion	Ratio	Lower	Upper
107	100		
108	114.7	93.0	139.6
77	47.3	39.8	59.8
79	47.4	38.0	57.0



#18
Hexachloroethane
Concen: 46.20 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.1	117.1
201	95.5	78.6	117.8





#19

n-Nitroso-di-n-propylamine

Concen: 57.00 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion: 70 Resp: 517092

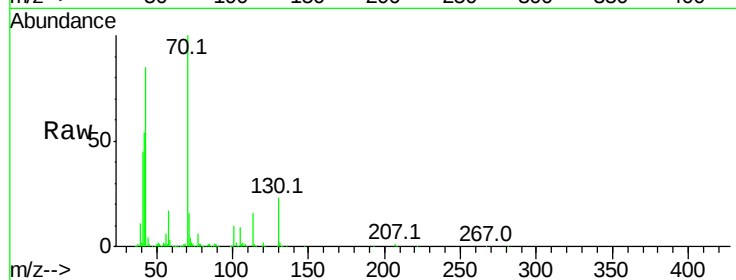
Ion Ratio Lower Upper

70 100

42 53.7 49.4 74.0

101 9.8 7.4 11.2

130 22.8 14.2 21.4#



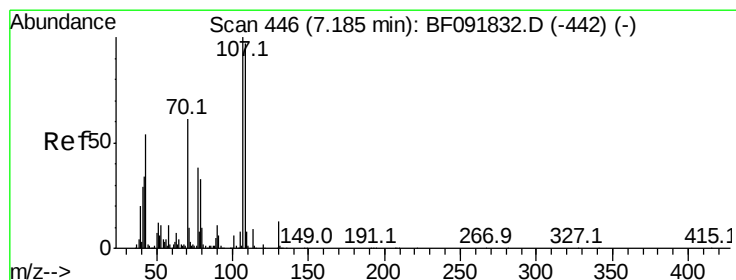
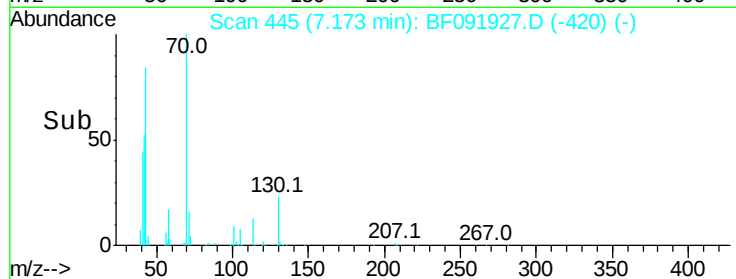
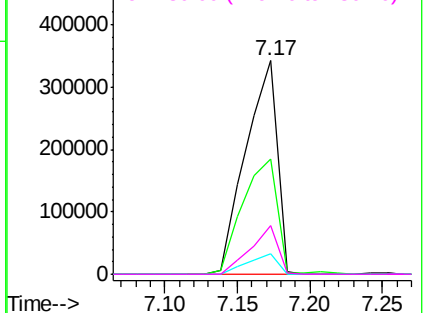
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 58.97 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.02 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion: 107 Resp: 718683

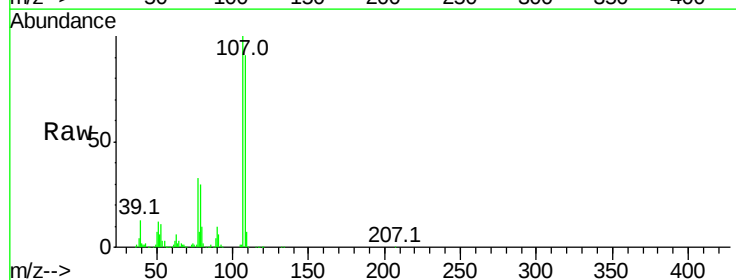
Ion Ratio Lower Upper

107 100

108 90.6 73.0 113.0

77 32.8 71.3 111.3#

79 29.9 11.1 51.1



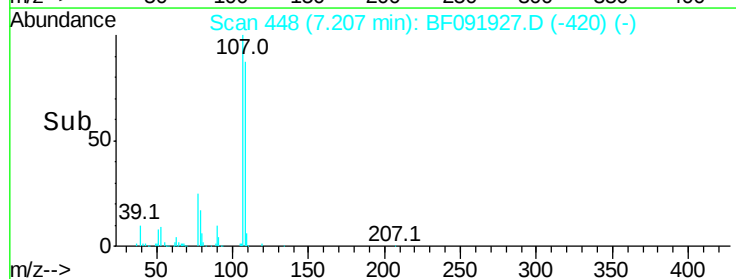
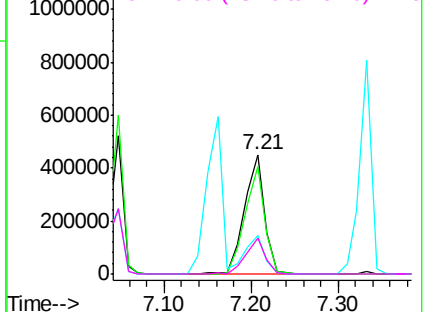
Abundance

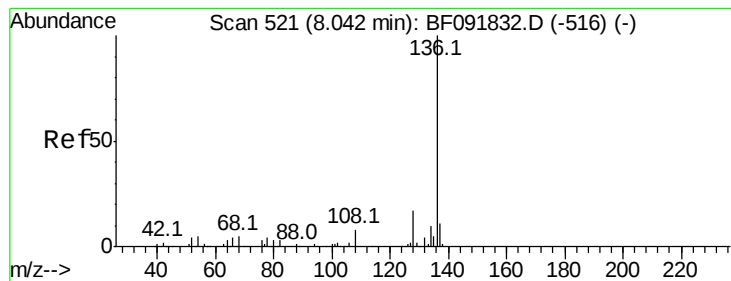
Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion:136 Resp: 749140

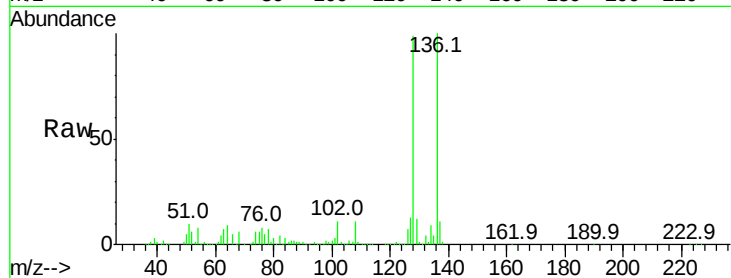
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.1 4.5 6.7#

68 6.0 3.6 5.4#

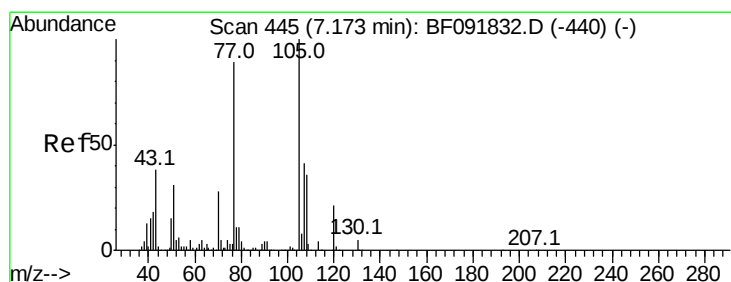
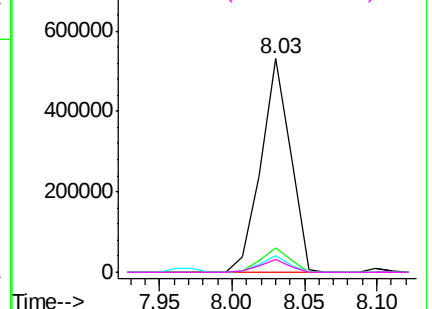
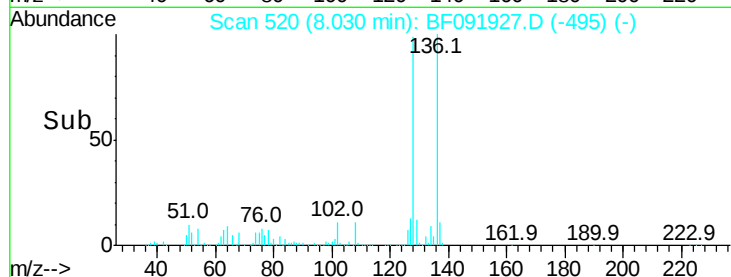


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.91 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion:105 Resp: 977608

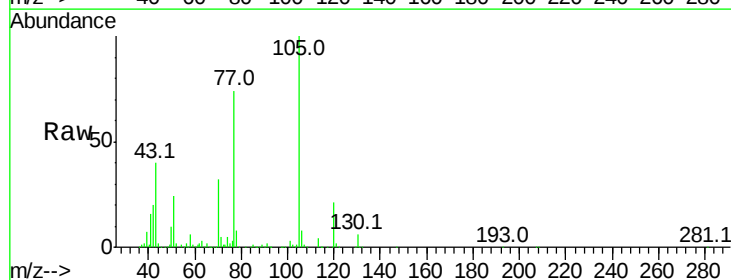
Ion Ratio Lower Upper

105 100

71 5.4 3.2 4.8#

51 24.4 26.2 39.4#

120 21.0 16.6 24.8

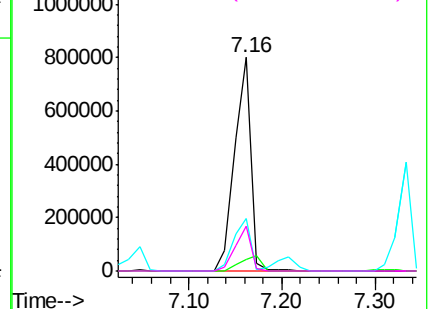
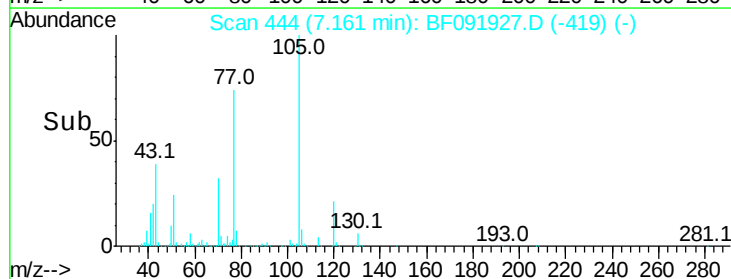


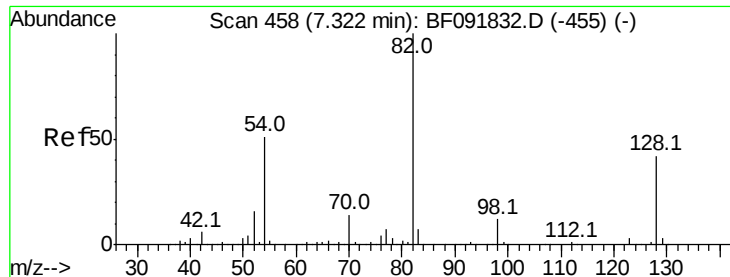
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

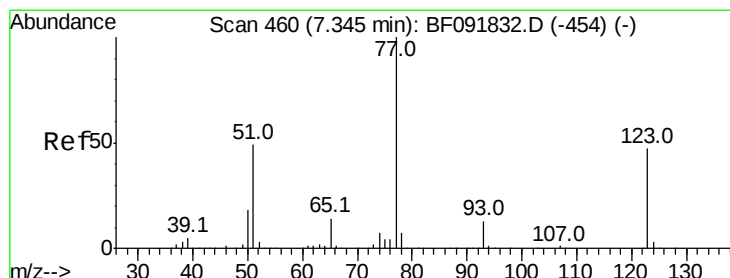
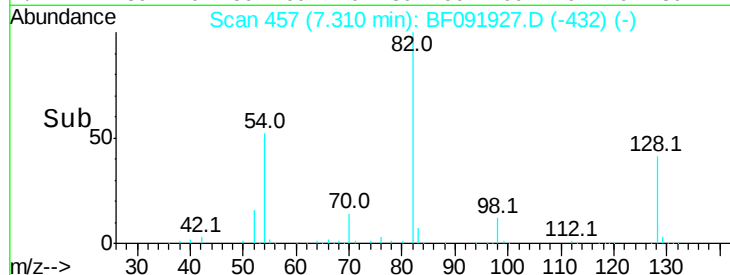
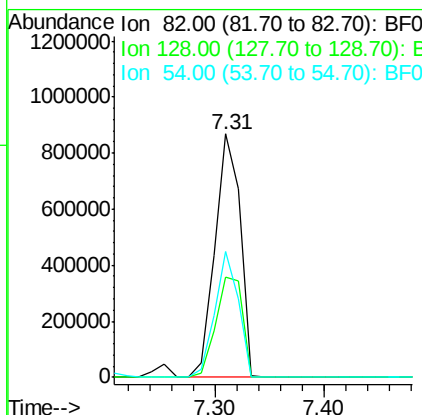
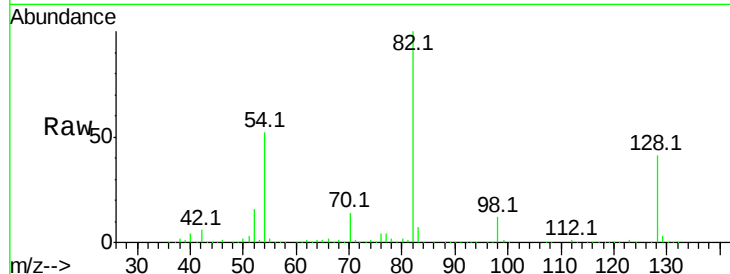




#23
Nitrobenzene-d5
Concen: 103.69 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

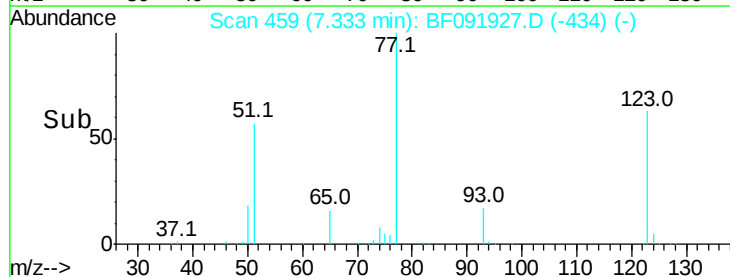
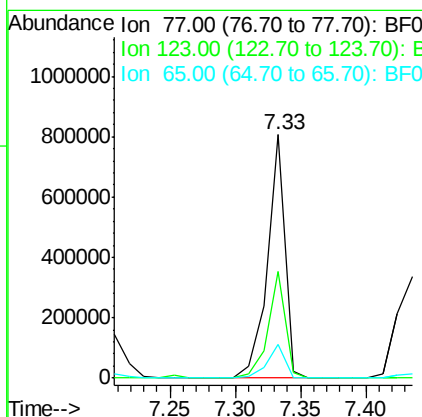
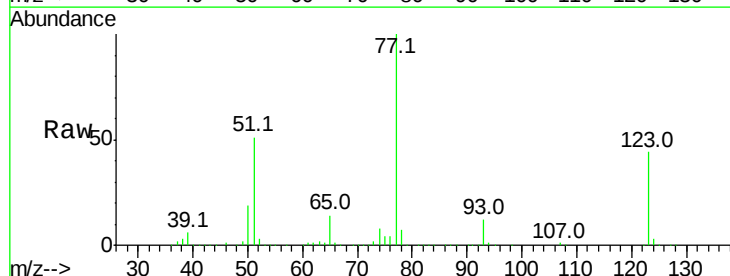
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

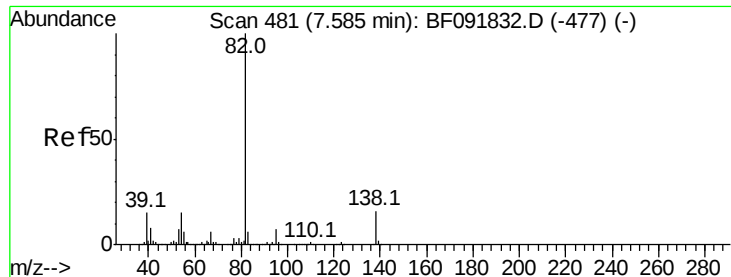
Tot Ion: 82 Resp: 1397009
Ion Ratio Lower Upper
82 100
128 41.1 34.6 52.0
54 51.9 39.5 59.3



#24
Nitrobenzene
Concen: 52.64 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion: 77 Resp: 755377
Ion Ratio Lower Upper
77 100
123 43.6 33.0 49.4
65 13.8 11.2 16.8





#25

Isophorone

Concen: 50.29 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

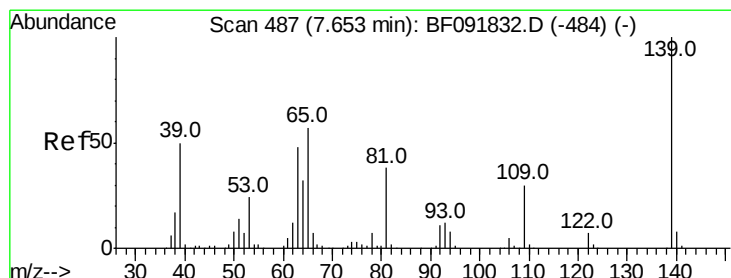
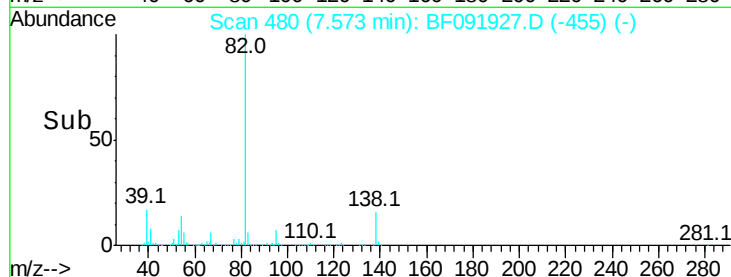
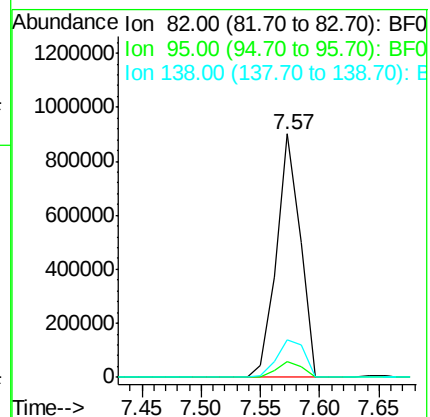
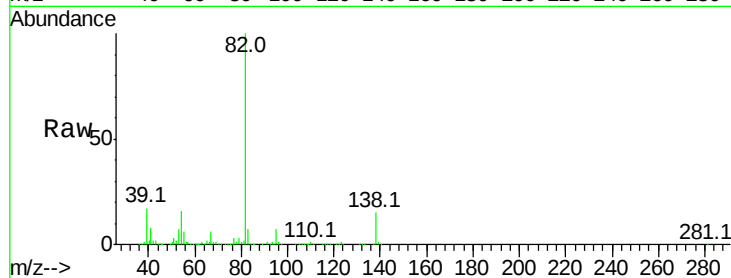
Tot Ion: 82 Resp: 1250017

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 15.2 14.6 22.0



#26

2-Nitrophenol

Concen: 51.86 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

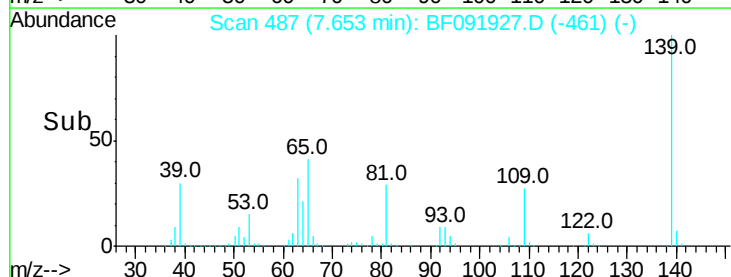
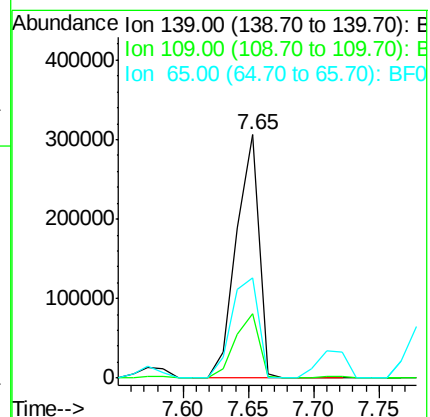
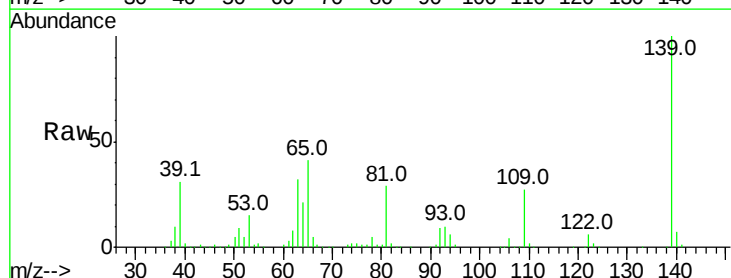
Tgt Ion: 139 Resp: 366994

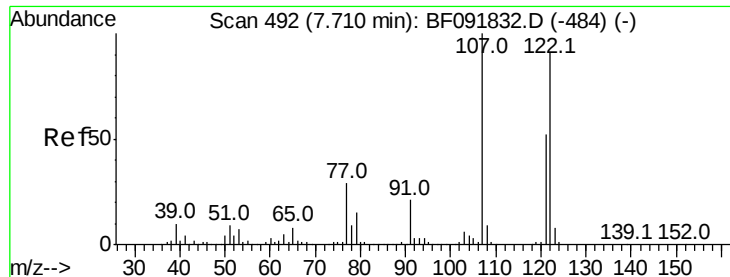
Ion Ratio Lower Upper

139 100

109 26.6 23.3 34.9

65 41.1 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 48.48 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

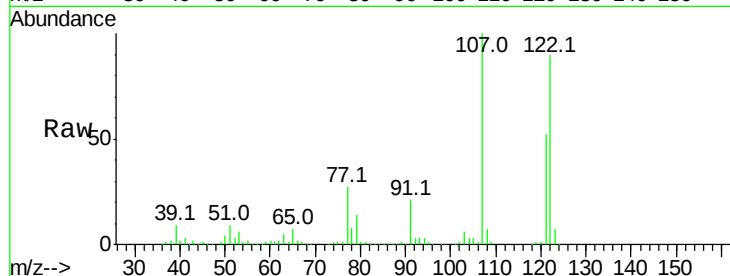
Tot Ion:122 Resp: 568968

Ion Ratio Lower Upper

122 100

107 111.3 94.1 141.1

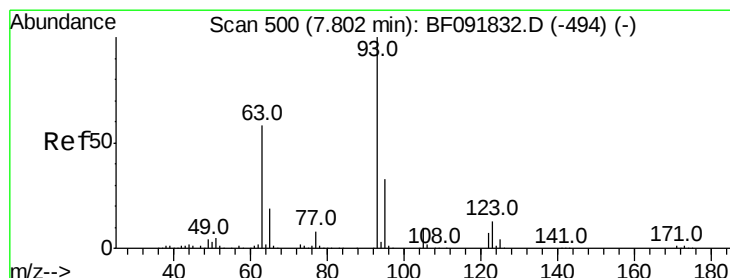
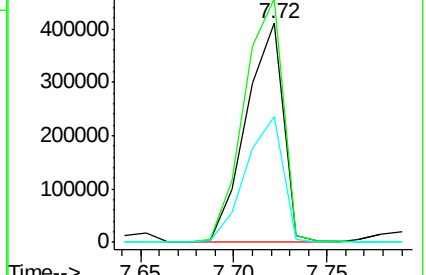
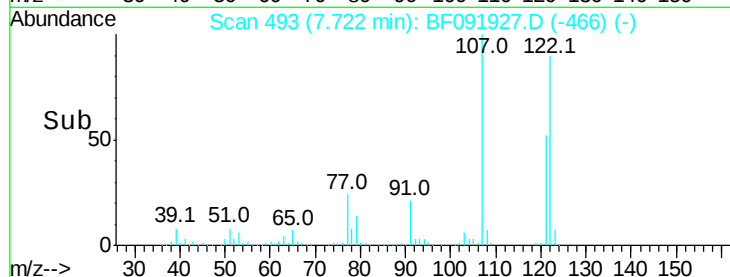
121 57.6 46.0 69.0



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: 52.42 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

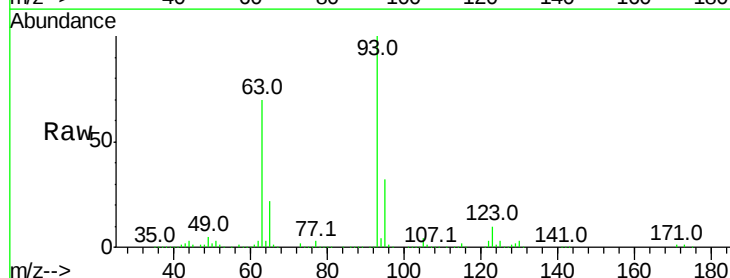
Tgt Ion: 93 Resp: 790138

Ion Ratio Lower Upper

93 100

95 32.3 26.5 39.7

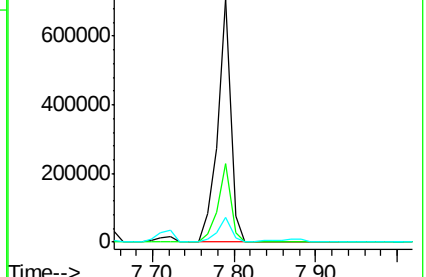
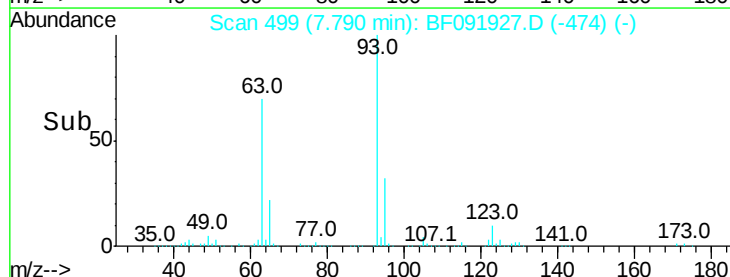
123 10.2 8.6 13.0

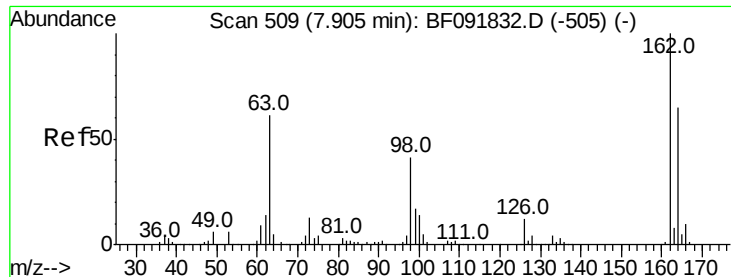


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

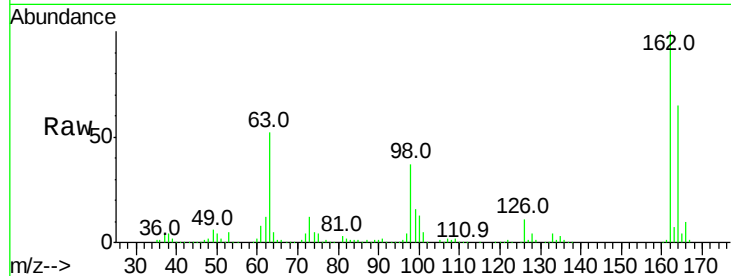




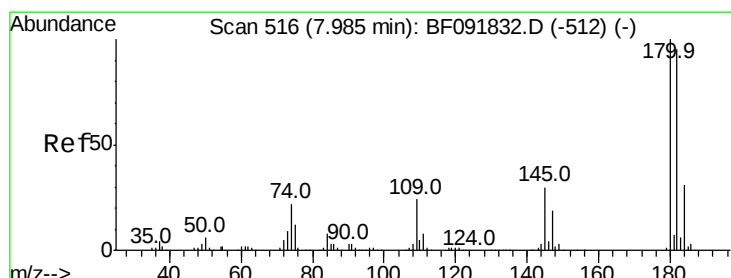
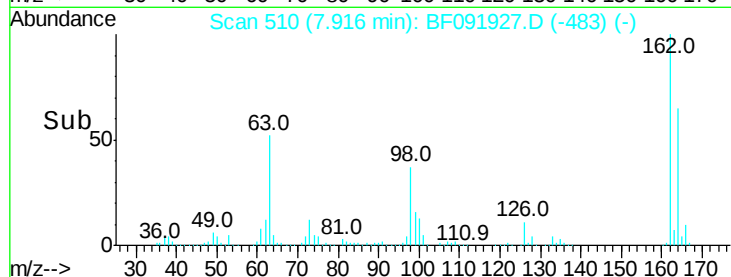
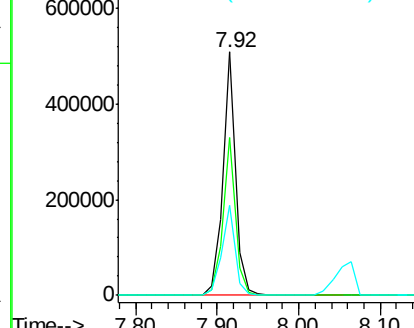
#29
 2,4-Dichlorophenol
 Concen: 54.96 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	46.8	86.8
98	37.2	9.1	49.1

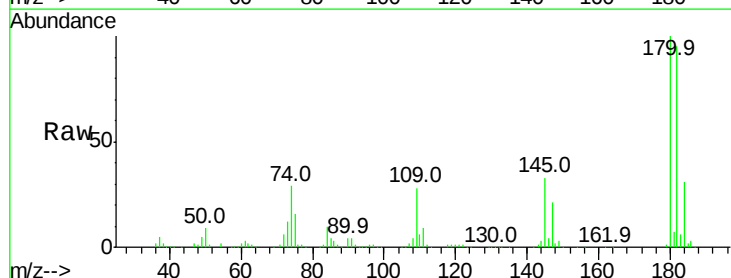


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

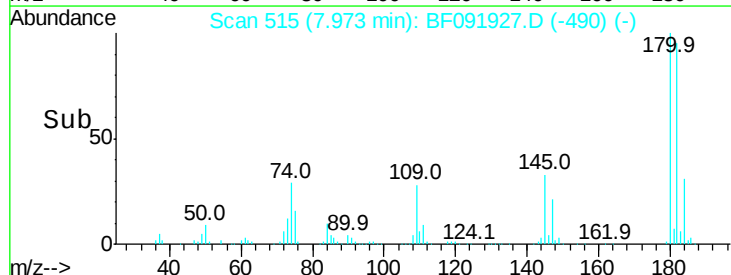
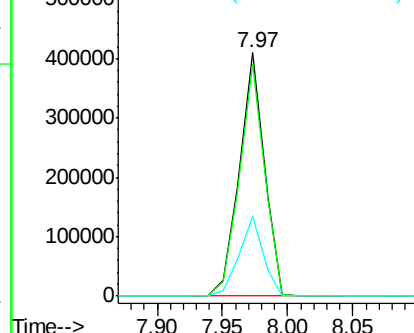


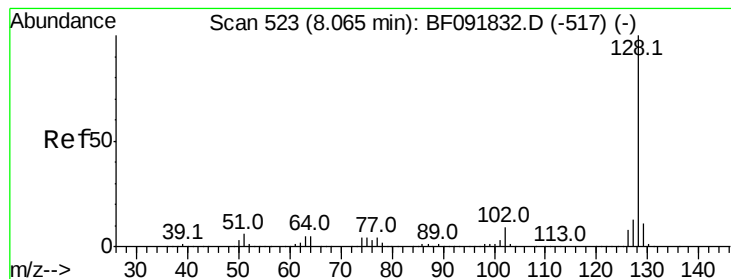
#30
 1,2,4-Trichlorobenzene
 Concen: 49.74 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.2	117.4
145	32.8	21.6	32.4#



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: 204.54 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

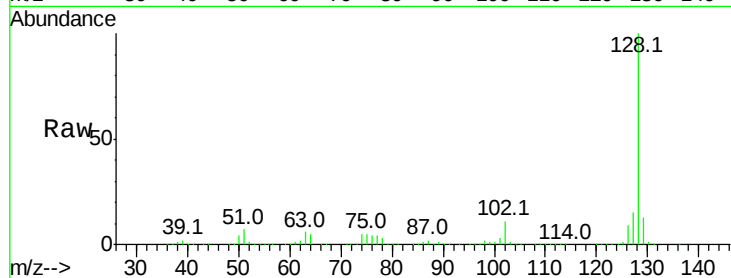
Tot Ion:128 Resp: 7012922

Ion Ratio Lower Upper

128 100

129 12.5 9.5 14.3

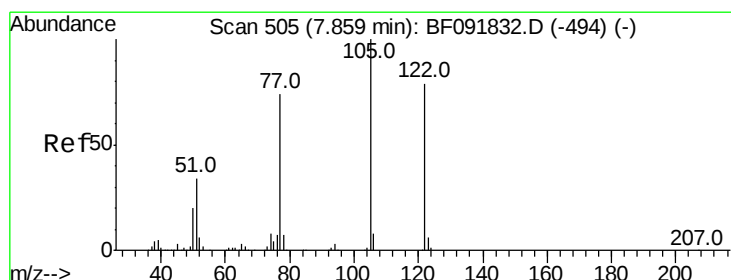
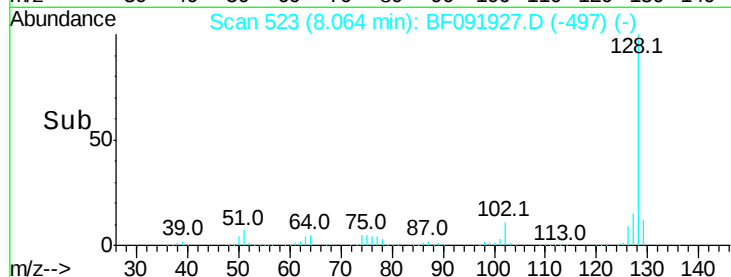
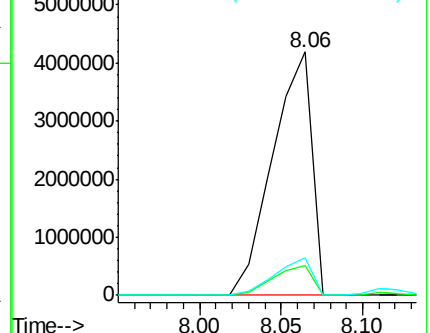
127 15.3 10.8 16.2



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: 41.61 ng m

RT: 7.88 min Scan# 507

Delta R.T. 0.02 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

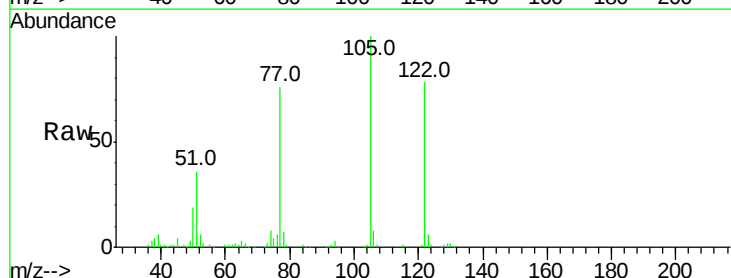
Tgt Ion:122 Resp: 362222

Ion Ratio Lower Upper

122 100

105 127.7 107.2 147.2

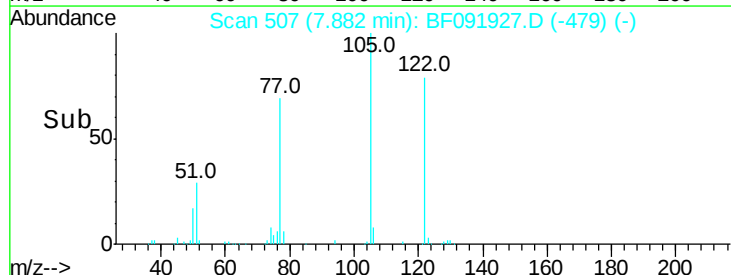
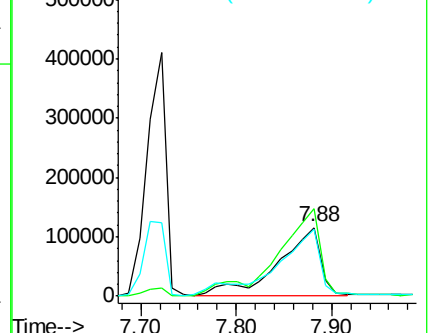
77 97.5 74.5 114.5

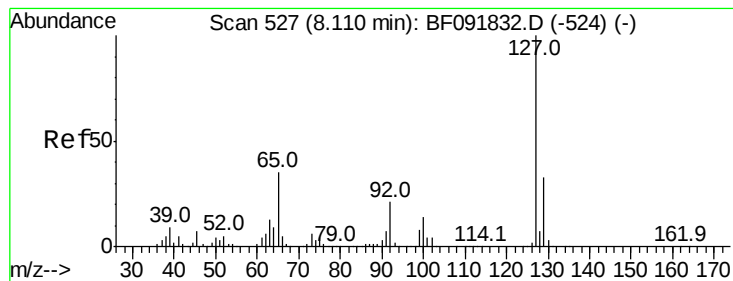


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 13.75 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion:127 Resp: 212625

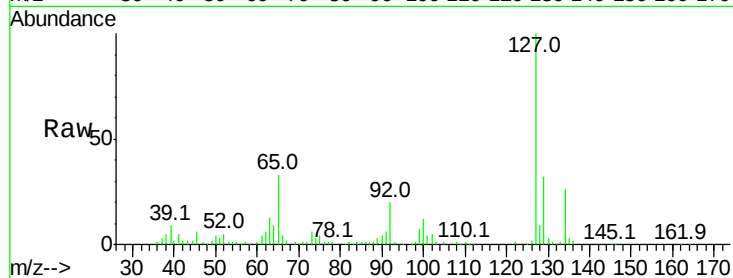
Ion Ratio Lower Upper

127 100

129 32.2 26.3 39.5

65 33.3 25.8 38.8

92 20.0 16.1 24.1

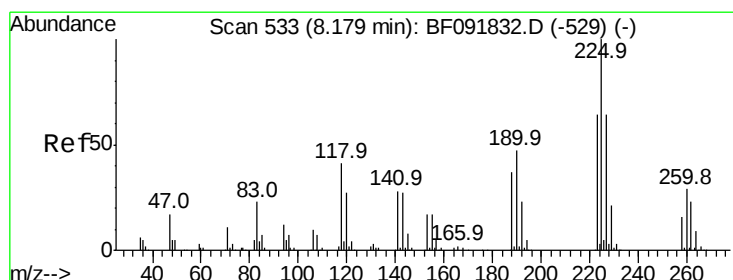
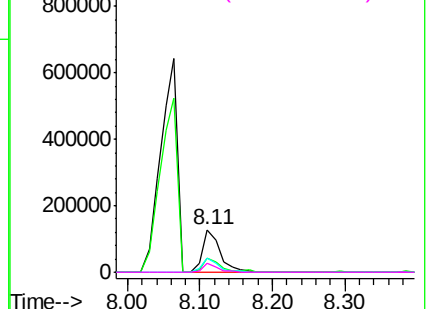
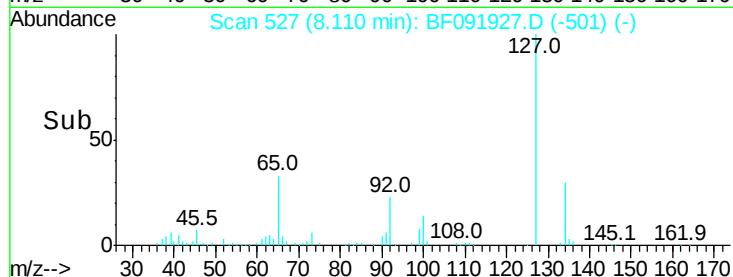


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 48.70 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

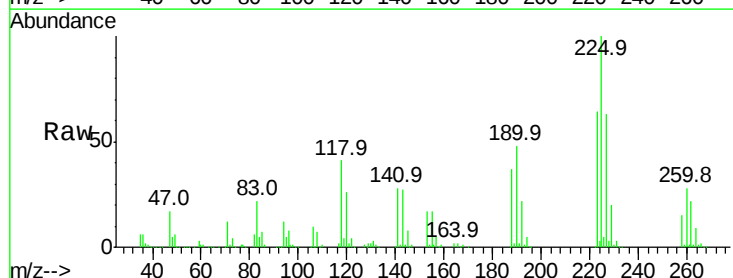
Tgt Ion:225 Resp: 279941

Ion Ratio Lower Upper

225 100

223 64.4 51.0 76.6

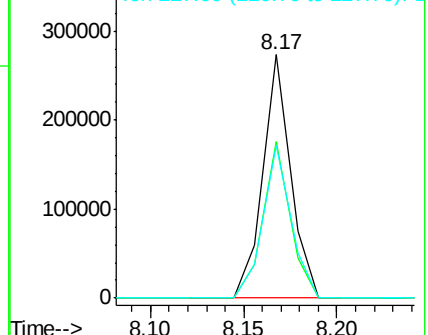
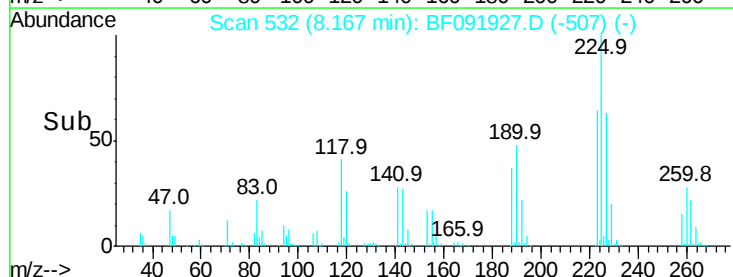
227 62.9 50.6 76.0

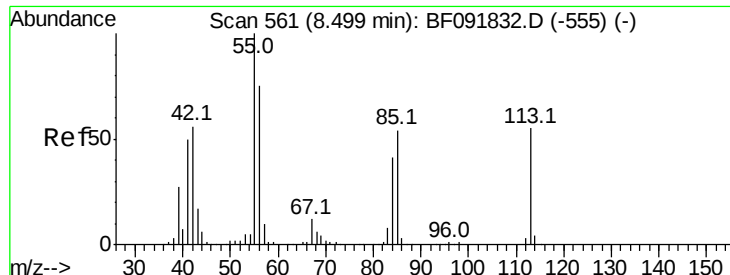


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 37.02 ng/ml

RT: 8.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

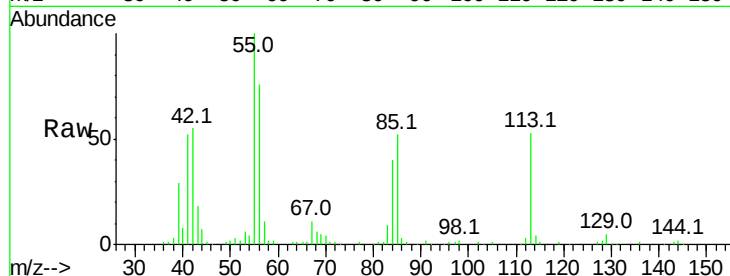
Tot Ion:113 Resp: 120887

Ion Ratio Lower Upper

113 100

55 189.3 119.2 159.2#

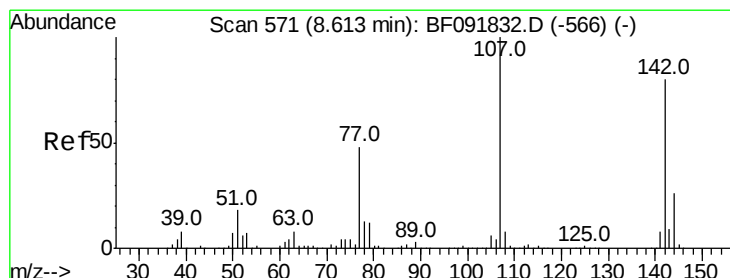
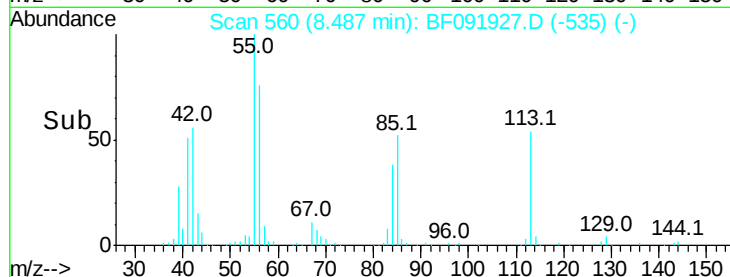
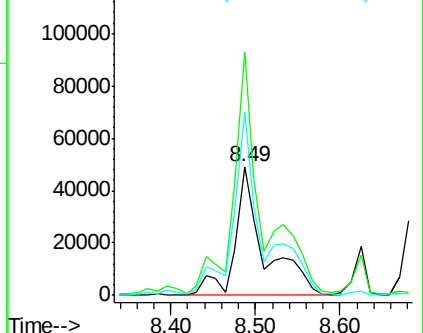
56 143.1 83.8 123.8#



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: 51.90 ng/ml

RT: 8.62 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

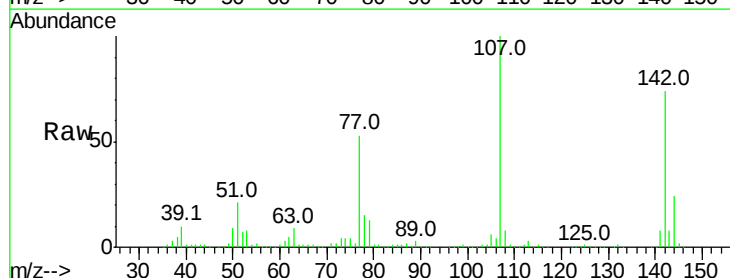
Tgt Ion:107 Resp: 593508

Ion Ratio Lower Upper

107 100

144 24.1 19.3 28.9

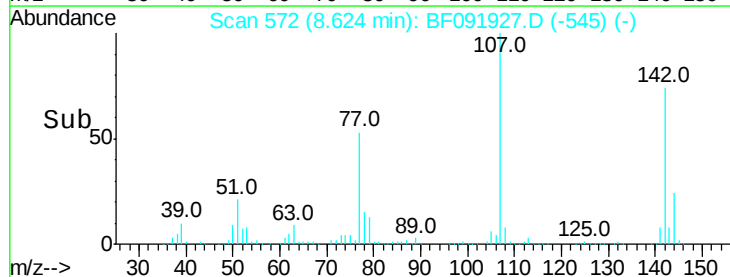
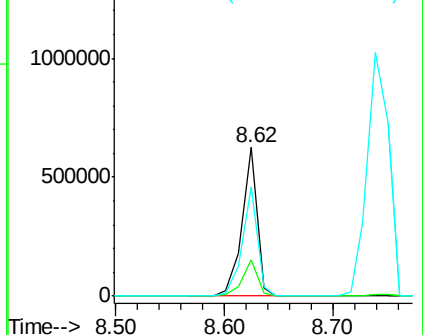
142 74.0 59.0 88.6

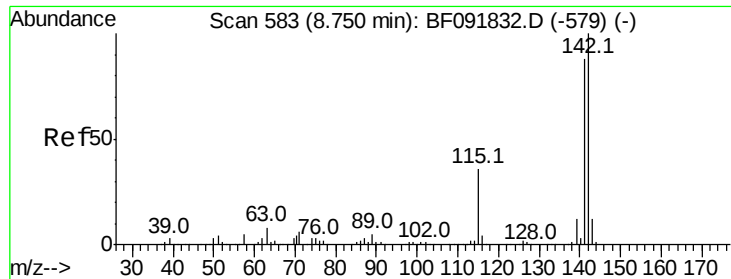


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

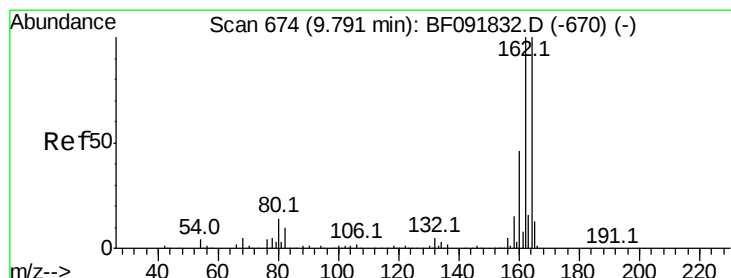
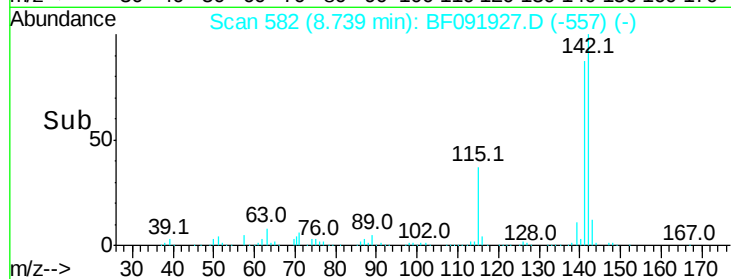
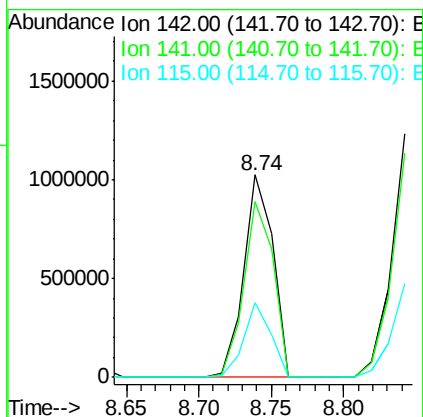
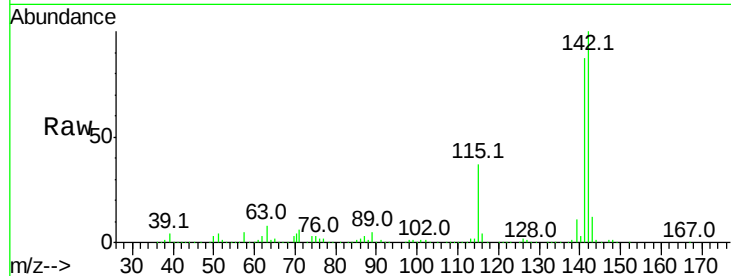




#37
2-Methylnaphthalene
Concen: 60.72 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

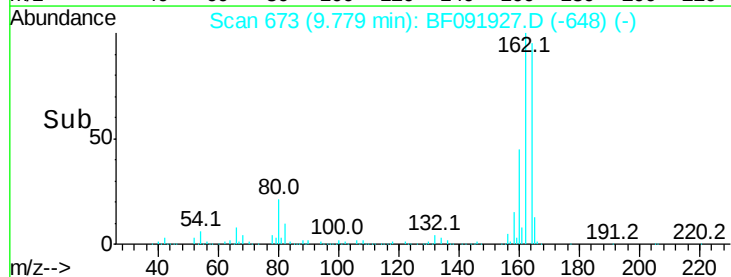
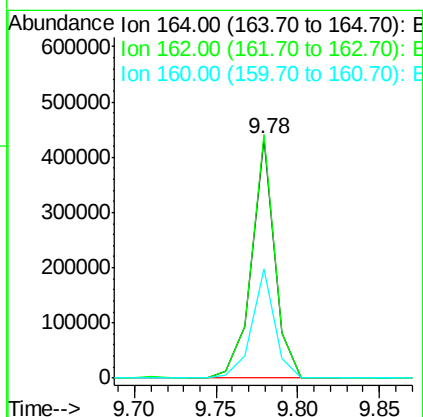
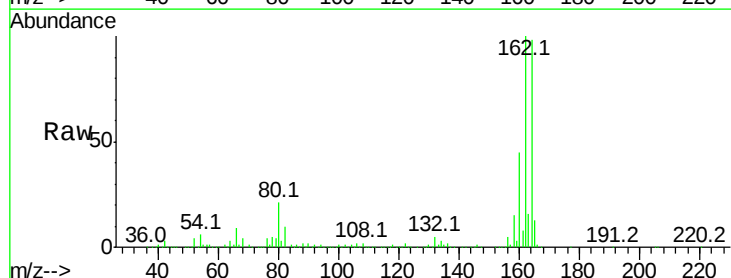
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

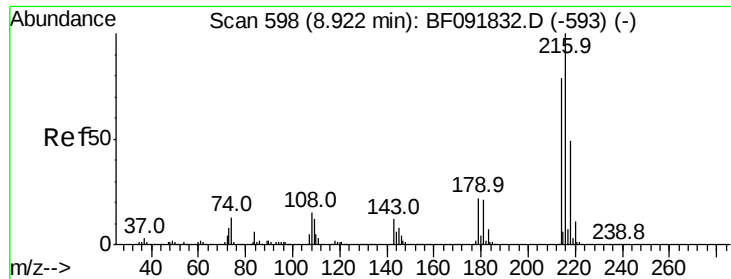
Tot Ion:142 Resp: 1427635
Ion Ratio Lower Upper
142 100
141 87.2 71.0 106.6
115 36.9 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion:164 Resp: 425300
Ion Ratio Lower Upper
164 100
162 101.8 80.2 120.2
160 45.4 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.85 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion:216 Resp: 514150

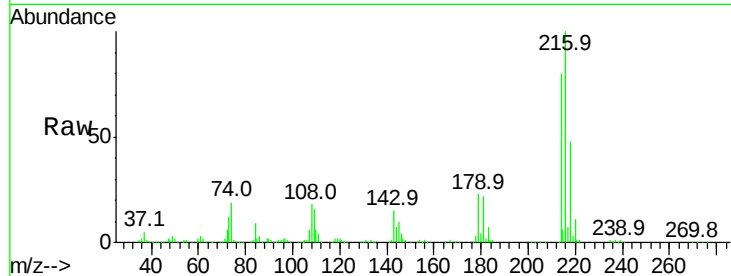
Ion Ratio Lower Upper

216 100

214 79.9 63.4 95.0

179 23.6 17.4 26.2

108 23.1 15.6 23.4

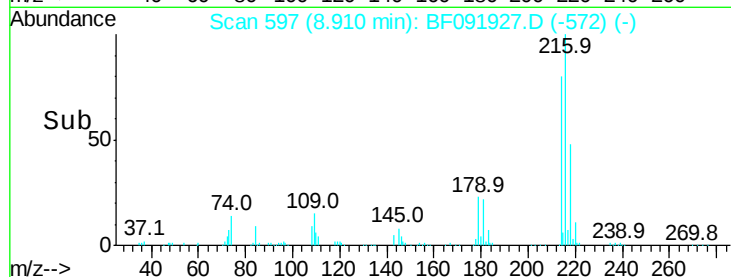


Abundance Ion 216.00 (215.70 to 216.70): E

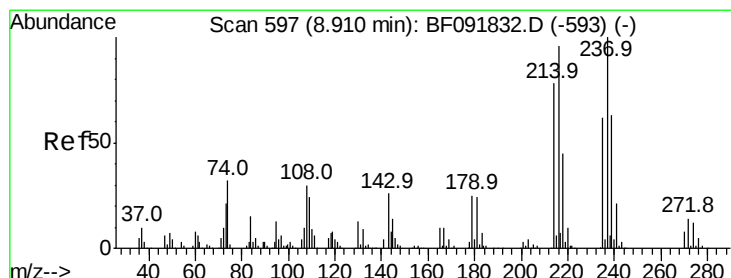
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 84.52 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

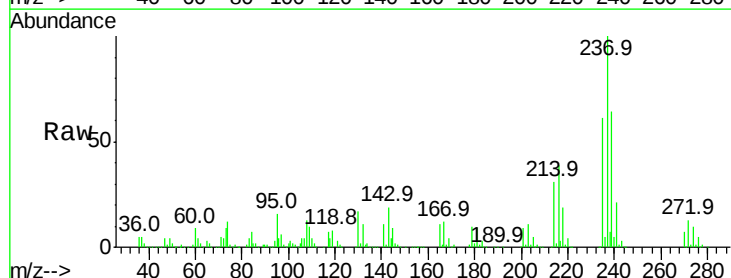
Tgt Ion:237 Resp: 405578

Ion Ratio Lower Upper

237 100

235 61.4 41.2 81.2

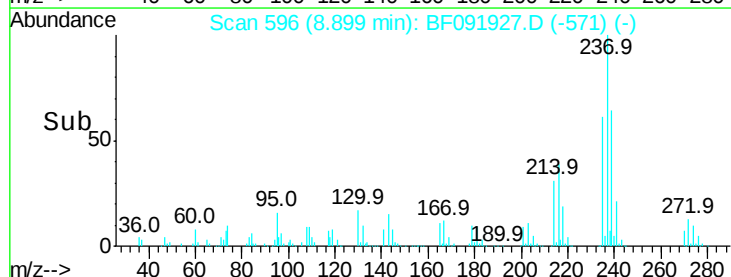
272 13.3 0.0 35.4



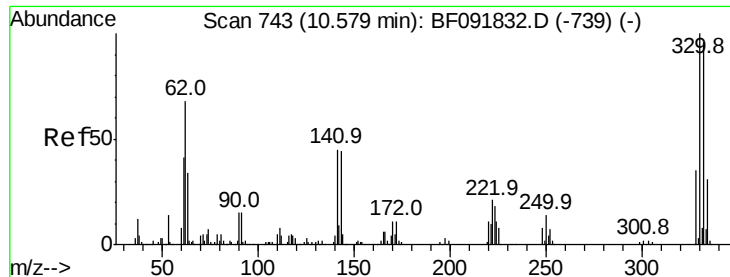
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



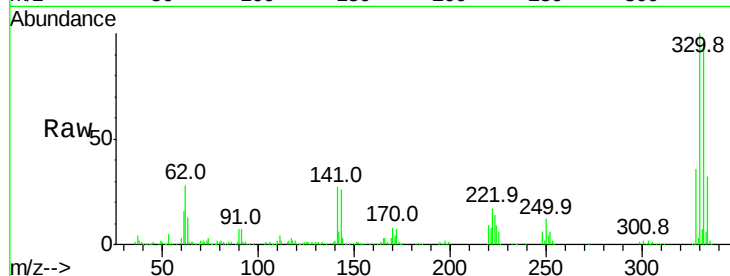
Time-->



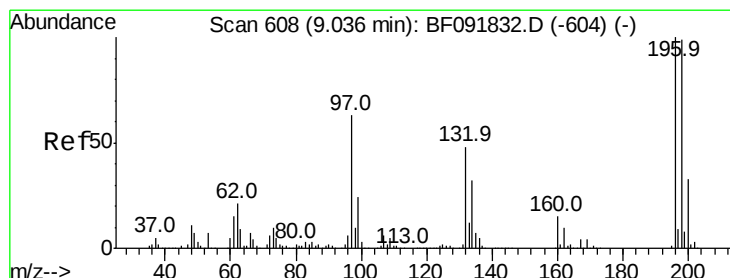
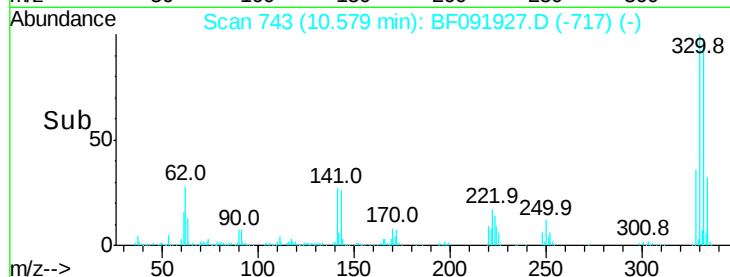
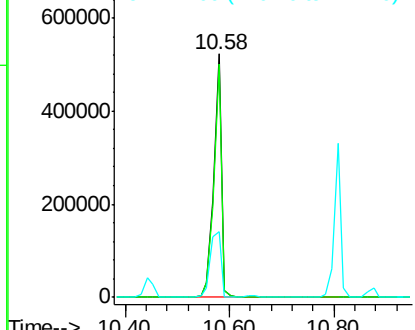
#41
 2,4,6-Tribromophenol
 Concen: 154.64 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.2
141	37.8	34.1	51.1

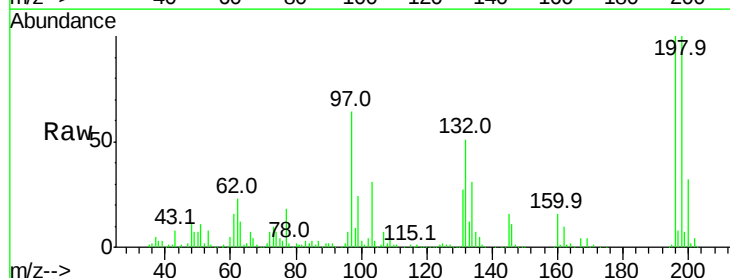


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

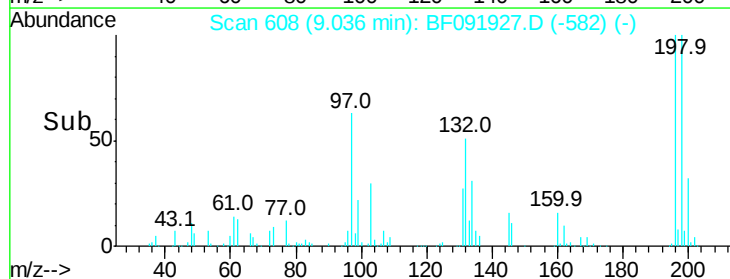
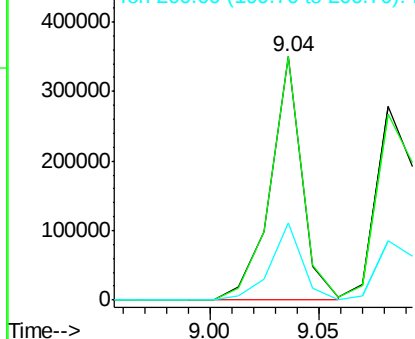


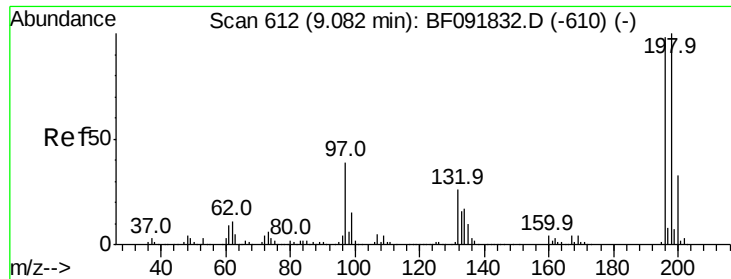
#42
 2,4,6-Trichlorophenol
 Concen: 47.46 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.8	82.1	123.1
200	31.9	27.0	40.4



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

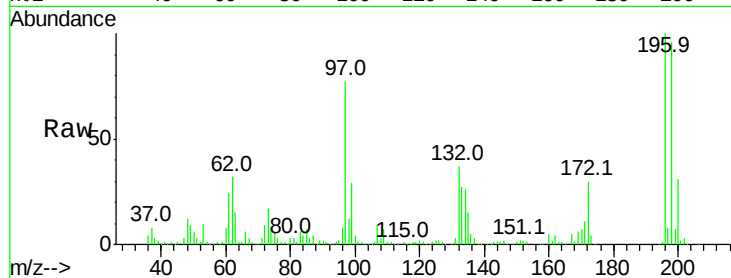




#43
 2,4,5-Trichlorophenol
 Concen: 44.48 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.8	79.4	119.2
97	76.8	51.5	77.3
132	37.2	27.4	41.2



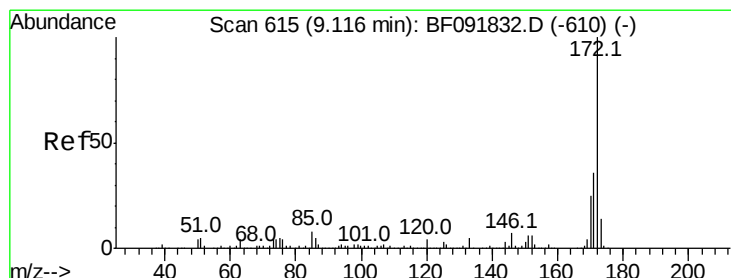
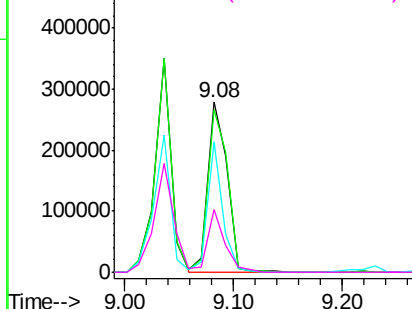
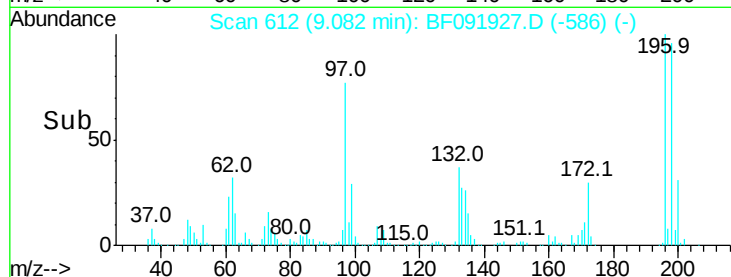
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

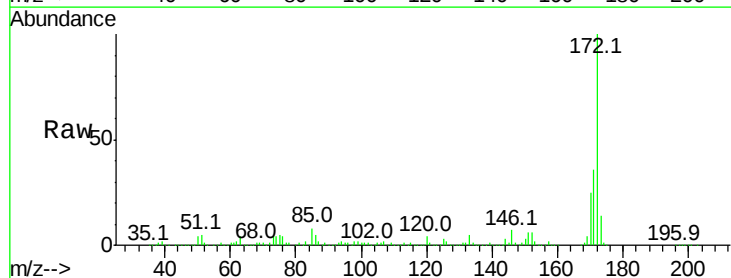
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 108.53 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.5	20.2	30.4

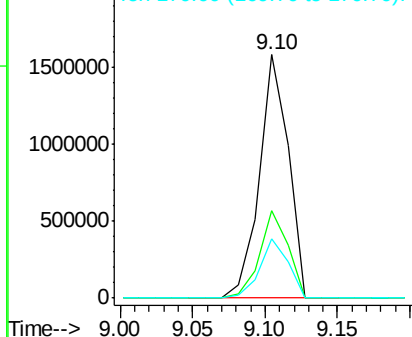
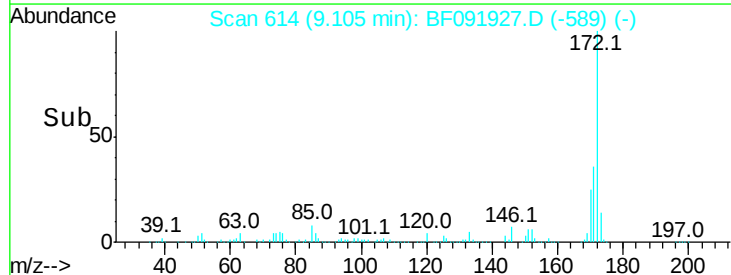


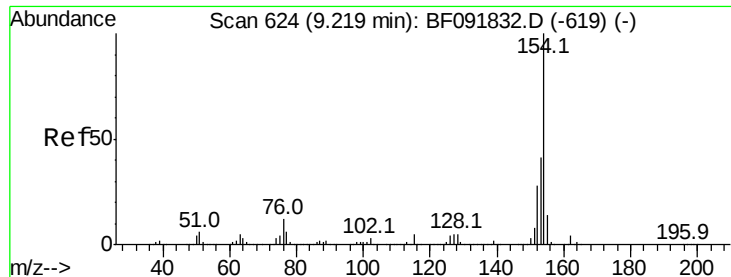
Abundance

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

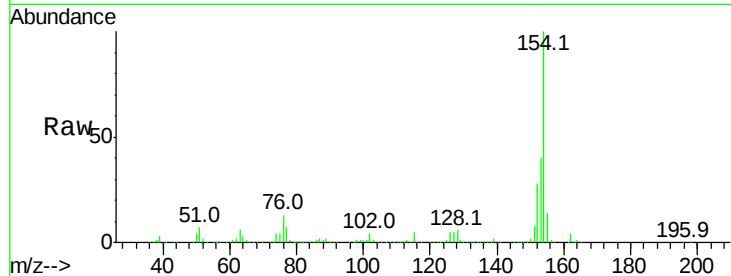




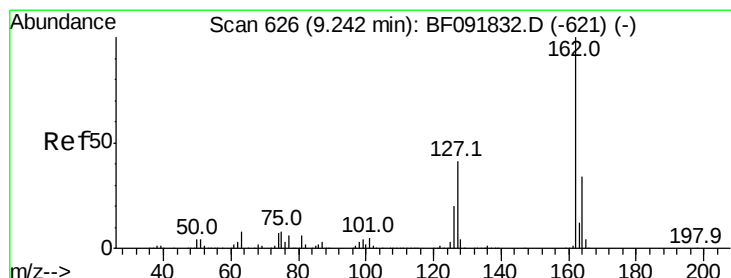
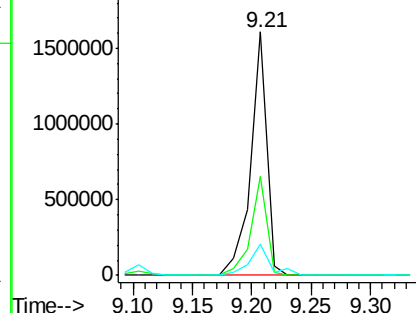
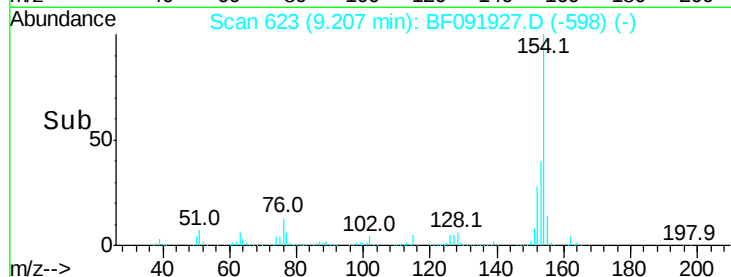
#45
 1,1'-Biphenyl
 Concen: 52.21 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion:154 Resp: 1520325
 Ion Ratio Lower Upper
 154 100
 153 40.5 20.9 60.9
 76 12.9 0.0 30.5

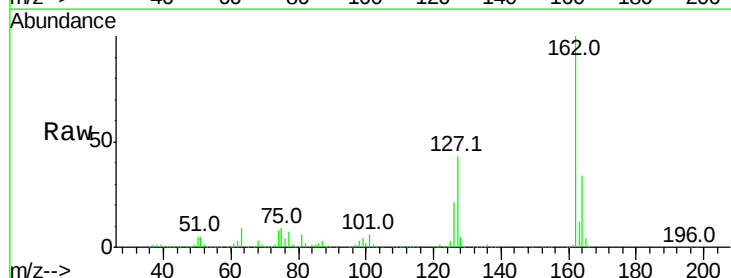


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

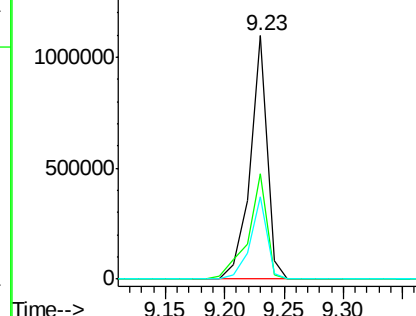
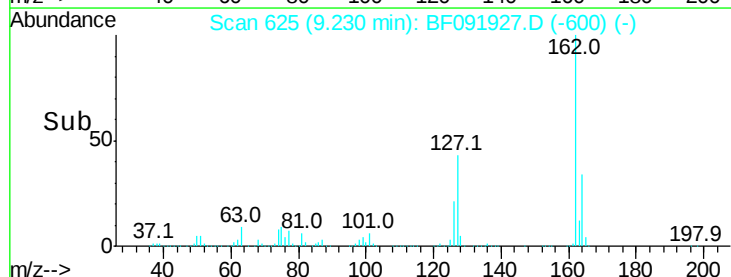


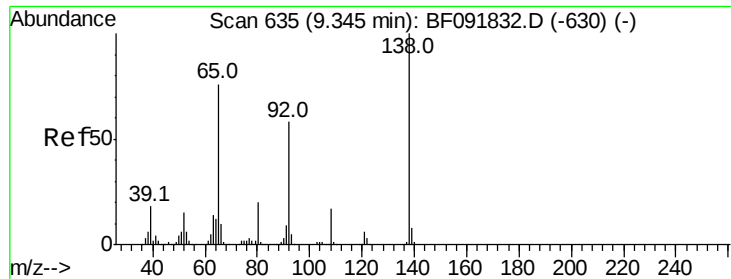
#46
 2-Chloronaphthalene
 Concen: 47.61 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion:162 Resp: 1097857
 Ion Ratio Lower Upper
 162 100
 127 43.2 30.7 46.1
 164 33.7 27.6 41.4



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: 40.53 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

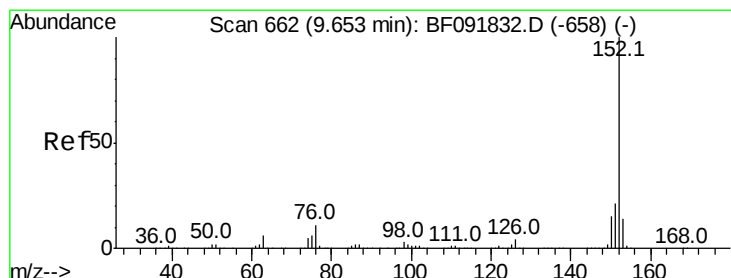
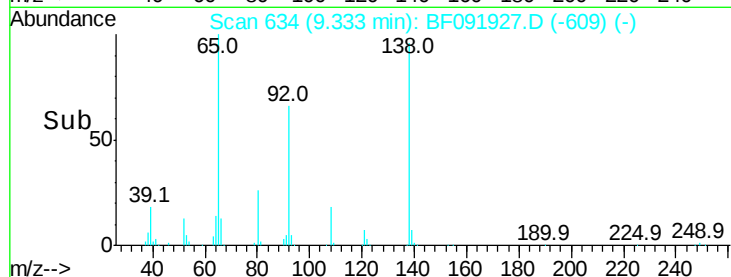
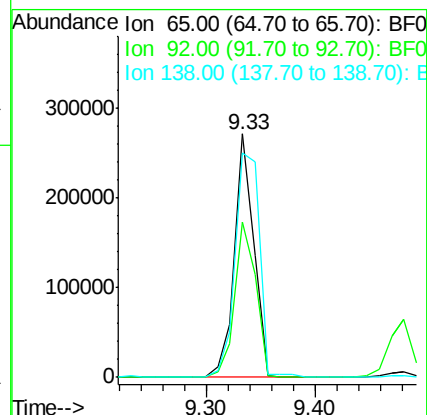
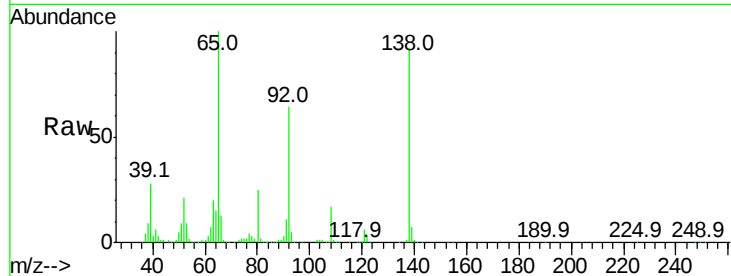
Tot Ion: 65 Resp: 332786

Ion Ratio Lower Upper

65 100

92 63.9 53.9 80.9

138 92.4 76.8 115.2



#48

Acenaphthylene

Concen: 46.60 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

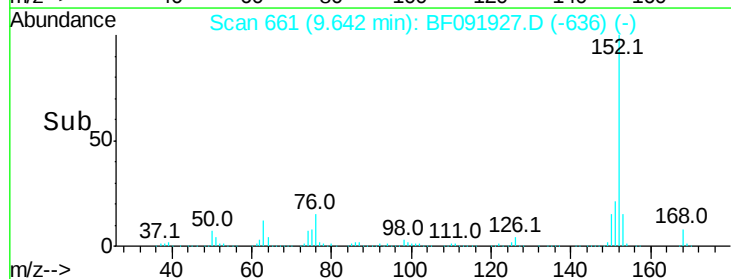
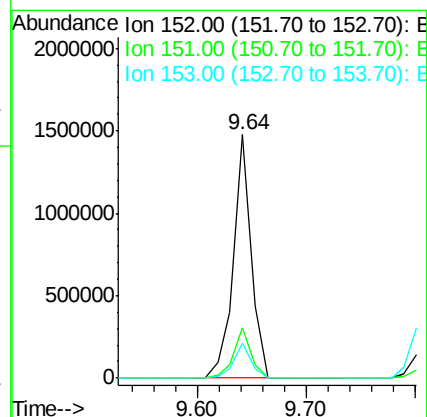
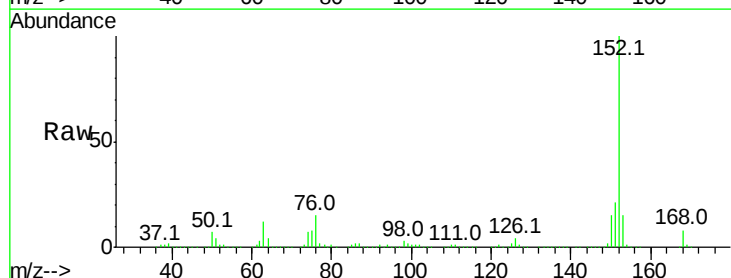
Tgt Ion: 152 Resp: 1652789

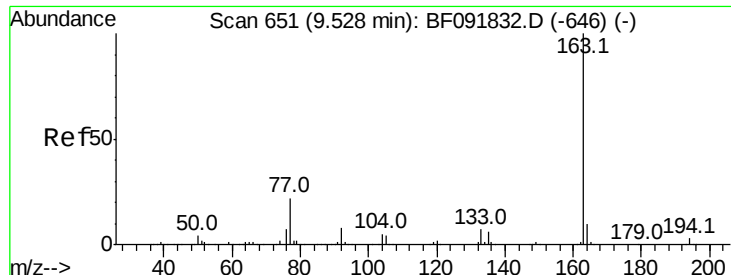
Ion Ratio Lower Upper

152 100

151 20.6 16.9 25.3

153 14.6 11.4 17.2

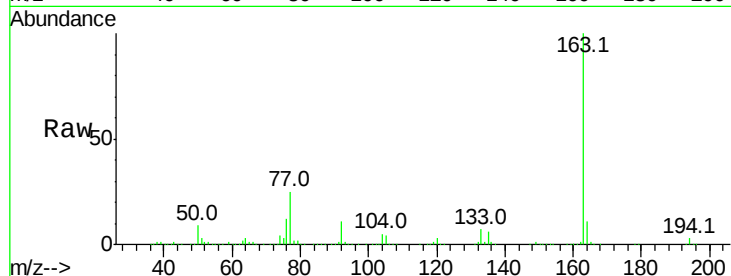




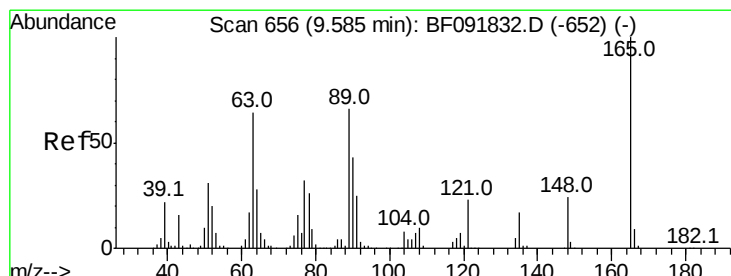
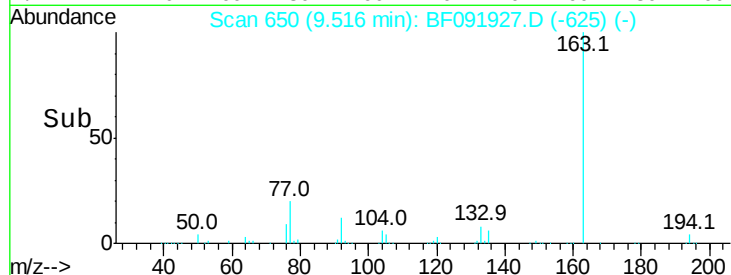
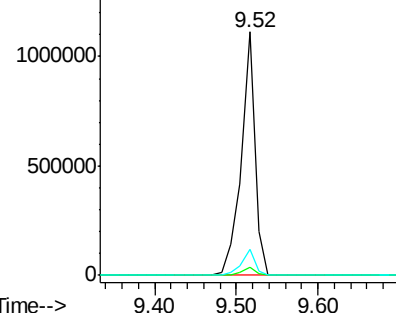
#49
Dimethylphthalate
Concen: 47.78 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

Tot Ion:163 Resp: 1299707
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.6 8.0 12.0

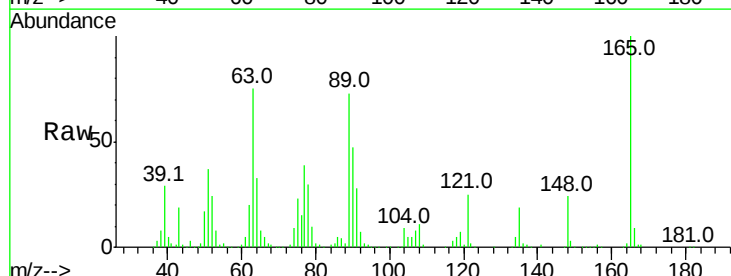


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

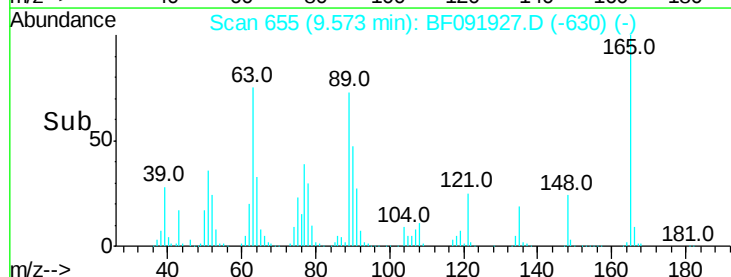
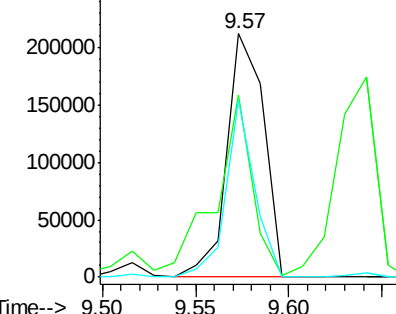


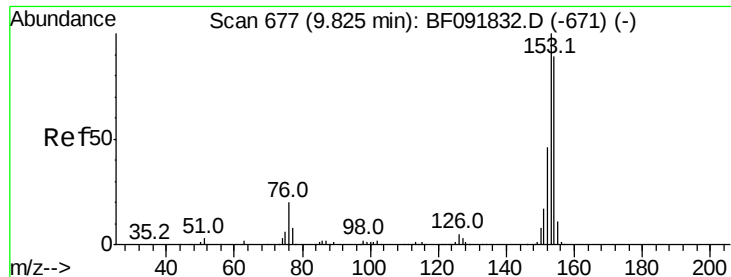
#50
2,6-Dinitrotoluene
Concen: 48.83 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion:165 Resp: 290695
Ion Ratio Lower Upper
165 100
63 75.0 36.2 54.4#
89 72.8 40.2 60.4#



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: 42.63 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

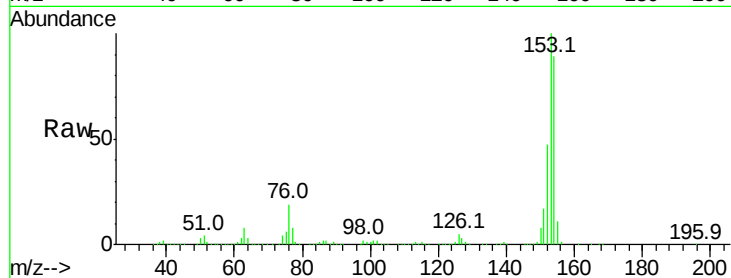
Tot Ion:154 Resp: 1025024

Ion Ratio Lower Upper

154 100

153 112.1 88.6 133.0

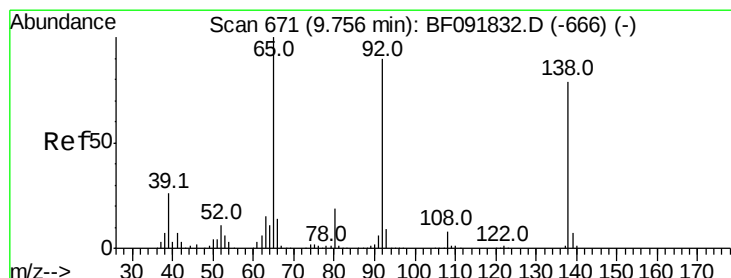
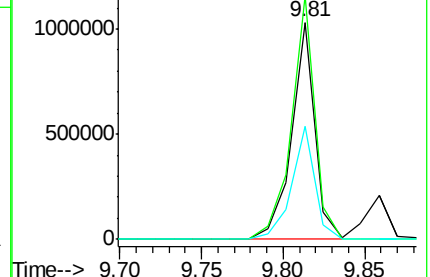
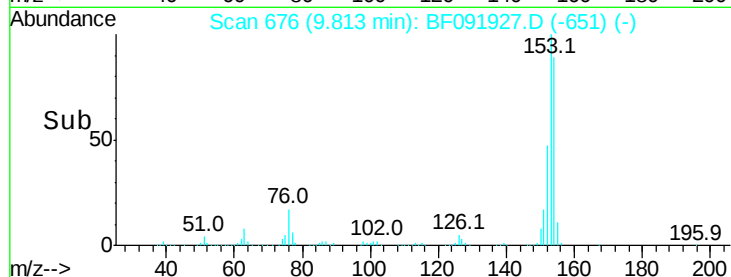
152 52.3 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.12 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

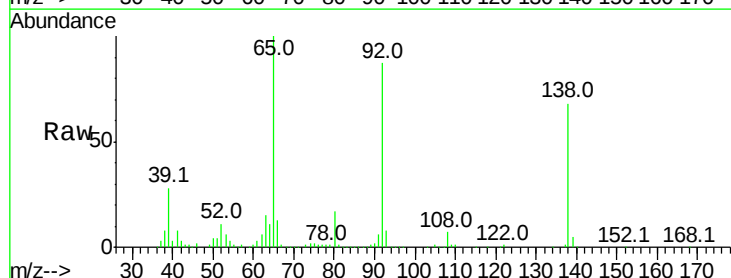
Tgt Ion:138 Resp: 148239

Ion Ratio Lower Upper

138 100

108 10.8 8.5 12.7

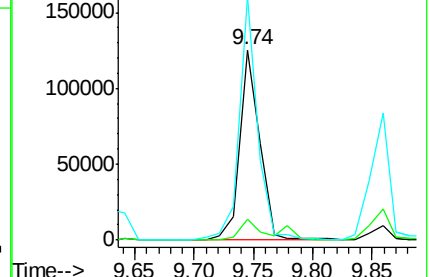
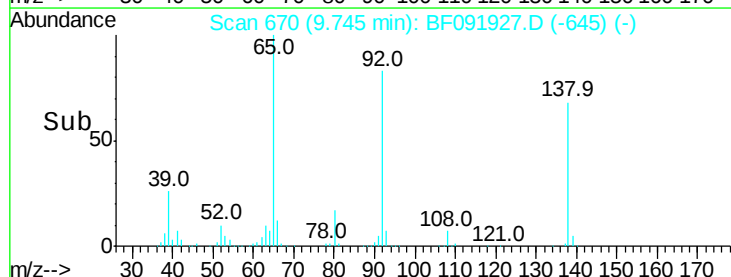
92 128.1 97.8 146.8



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

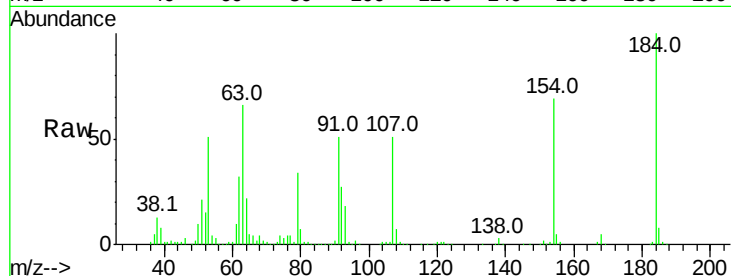




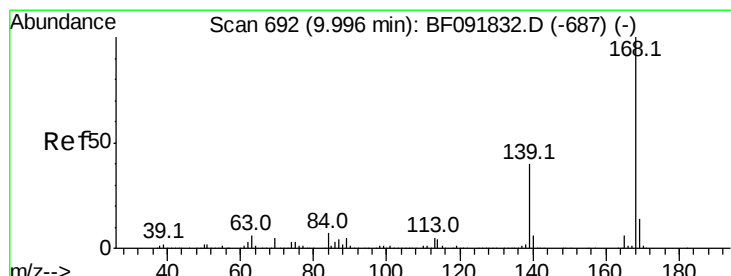
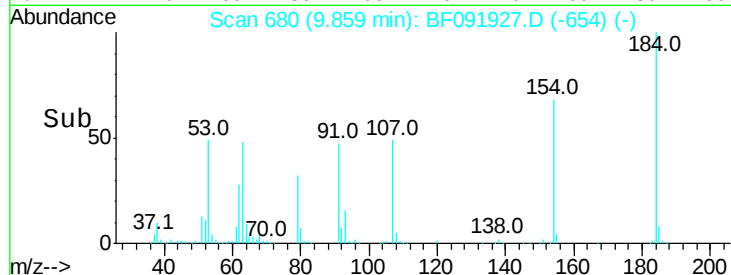
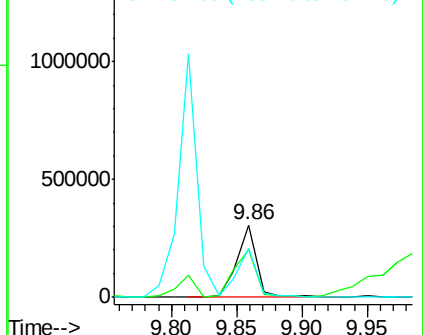
#53
 2,4-Dinitrophenol
 Concen: 98.83 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion:184 Resp: 327402
 Ion Ratio Lower Upper
 184 100
 63 66.1 28.4 42.6#
 154 68.5 44.3 66.5#

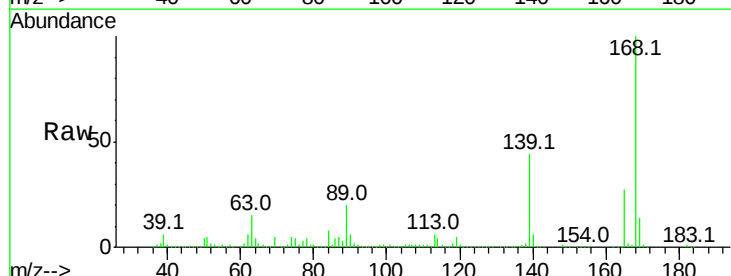


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

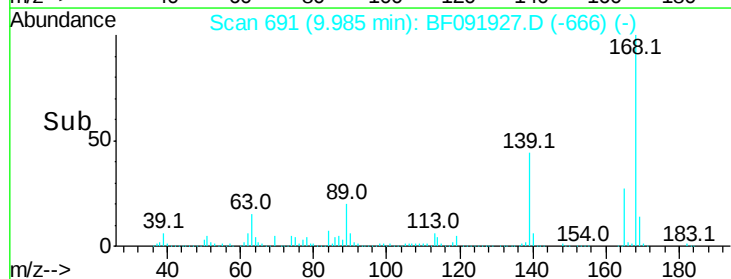
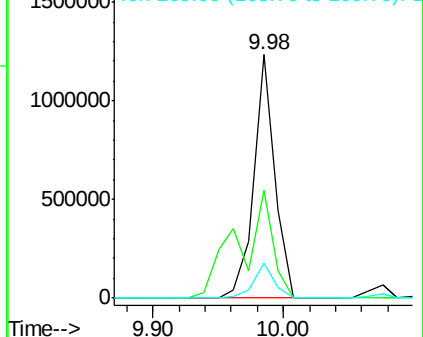


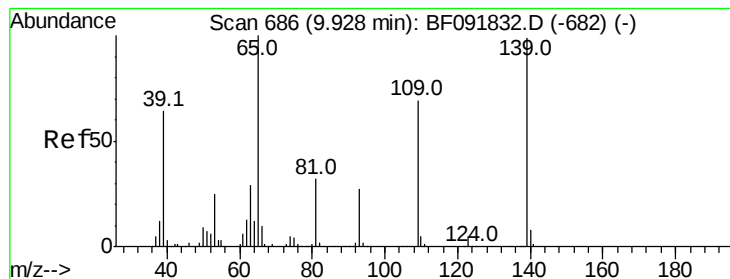
#54
 Dibenzofuran
 Concen: 42.56 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion:168 Resp: 1382056
 Ion Ratio Lower Upper
 168 100
 139 44.5 32.6 49.0
 169 14.1 11.3 16.9



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: 105.09 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.03 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

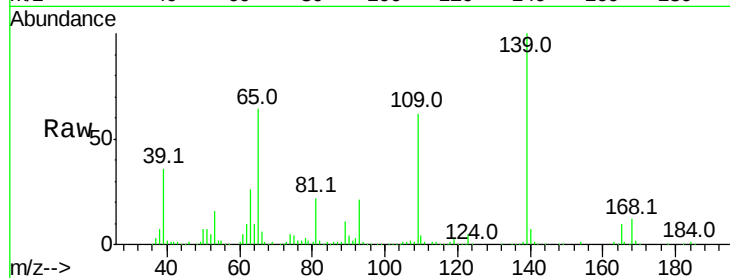
Tot Ion:139 Resp: 525731

Ion Ratio Lower Upper

139 100

109 62.1 52.2 92.2

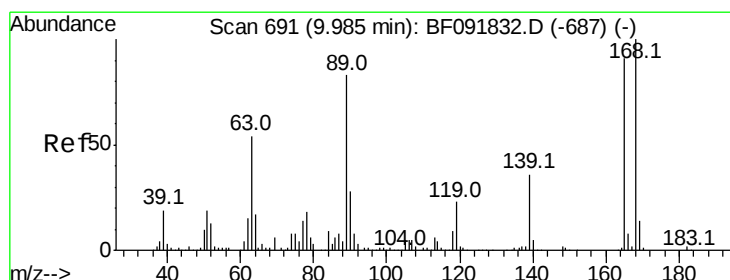
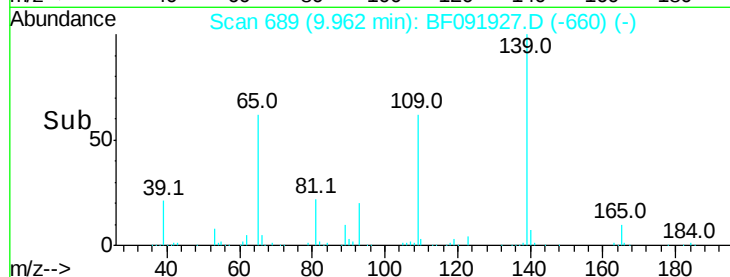
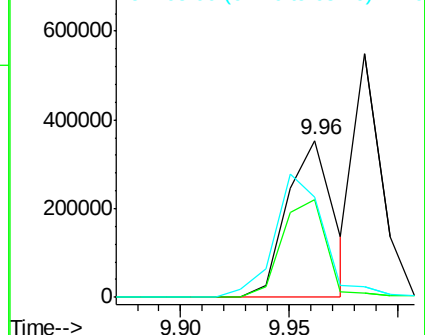
65 63.5 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 54.25 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion:165 Resp: 405417

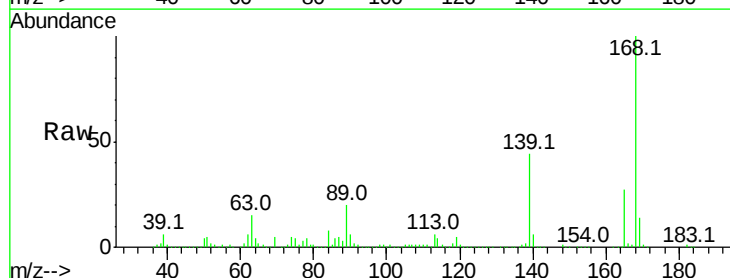
Ion Ratio Lower Upper

165 100

63 54.9 40.2 60.4

89 73.5 62.5 93.7

182 2.2 1.8 2.8

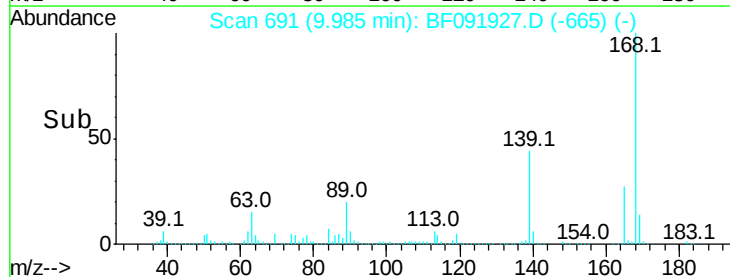
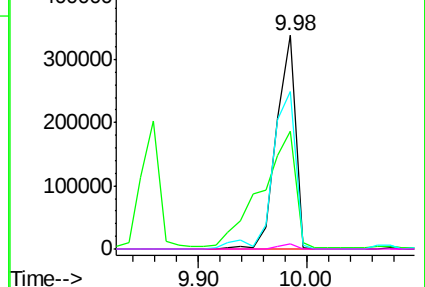


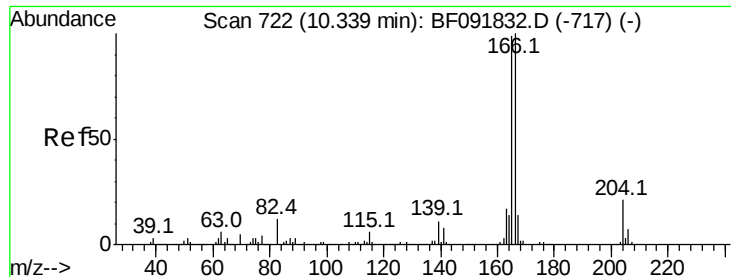
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

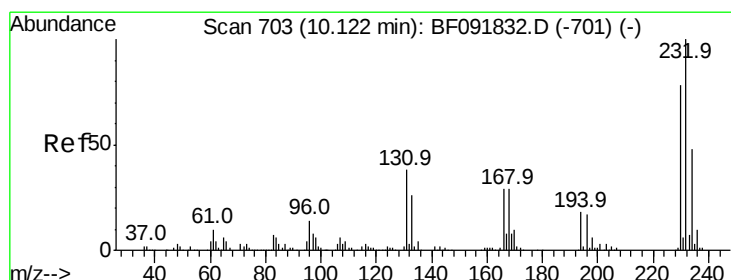
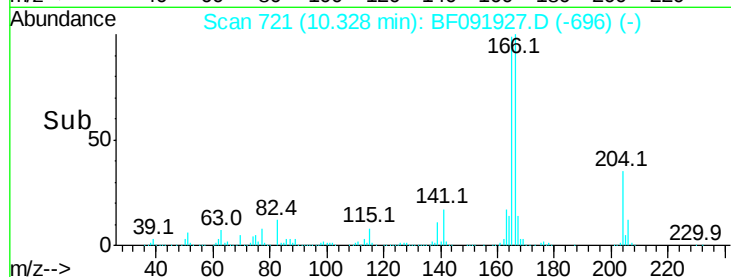
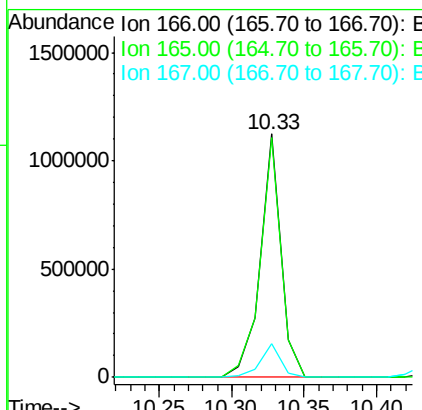
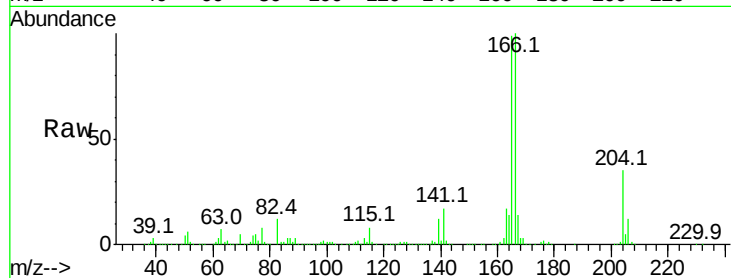




#57
 Fluorene
 Concen: 47.29 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

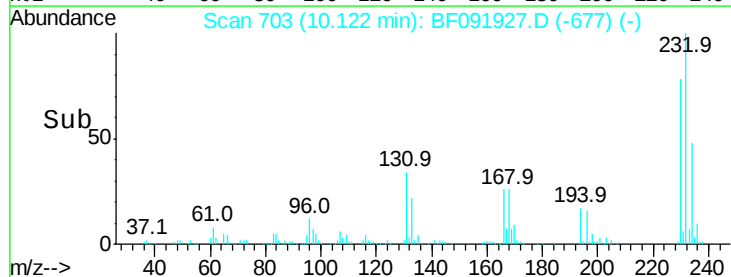
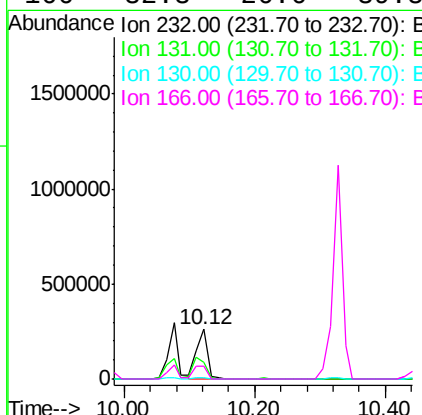
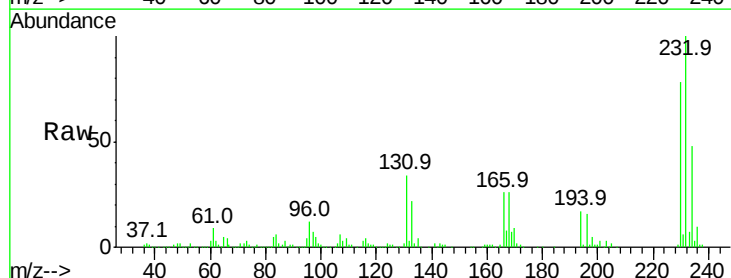
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

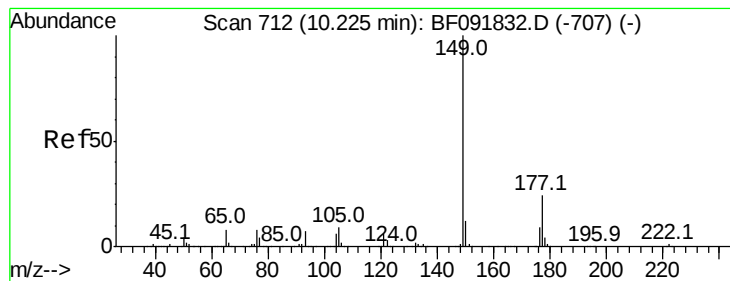
Tot Ion:166 Resp: 1117185
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.8 116.8
 167 13.7 10.8 16.2



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.16 ng
 RT: 10.12 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion:232 Resp: 306829
 Ion Ratio Lower Upper
 232 100
 131 51.1 40.1 60.1
 130 2.5 1.8 2.8
 166 32.3 26.6 39.8





#59

Diethylphthalate

Concen: 48.26 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

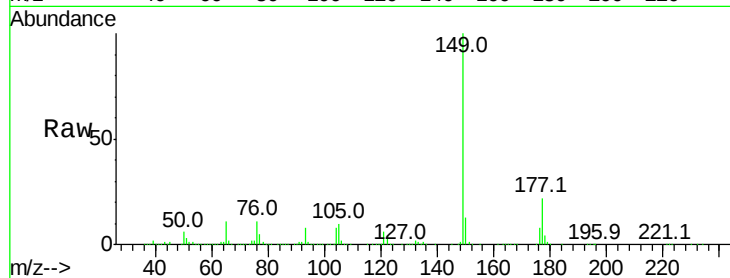
Tot Ion:149 Resp: 1274812

Ion Ratio Lower Upper

149 100

177 21.8 16.6 25.0

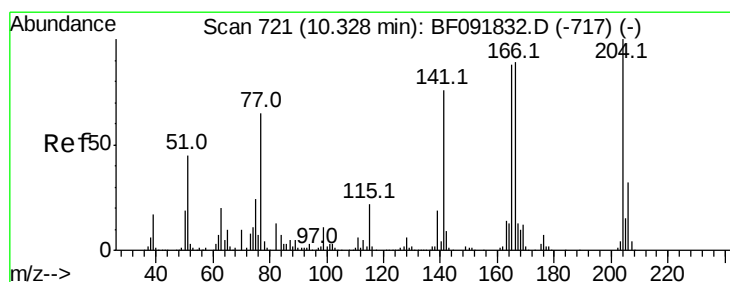
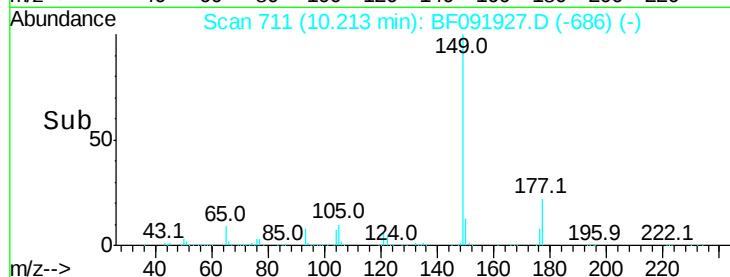
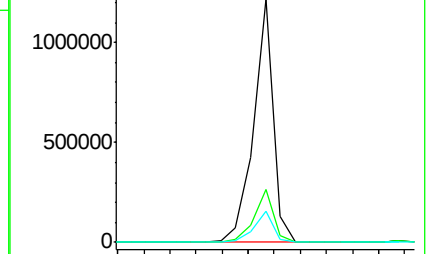
150 12.9 10.4 15.6



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: 51.83 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

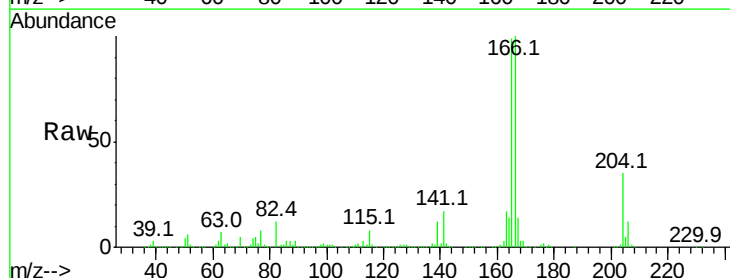
Tgt Ion:204 Resp: 536156

Ion Ratio Lower Upper

204 100

206 33.0 25.8 38.6

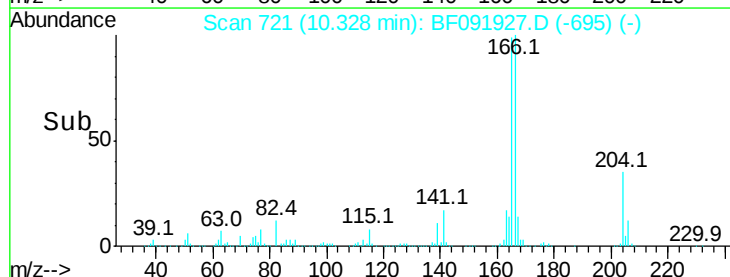
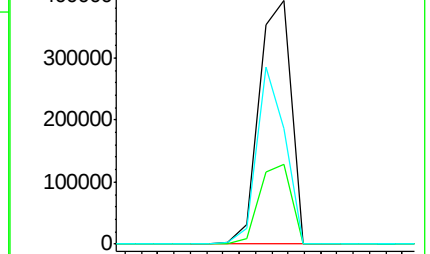
141 47.4 59.4 89.0#

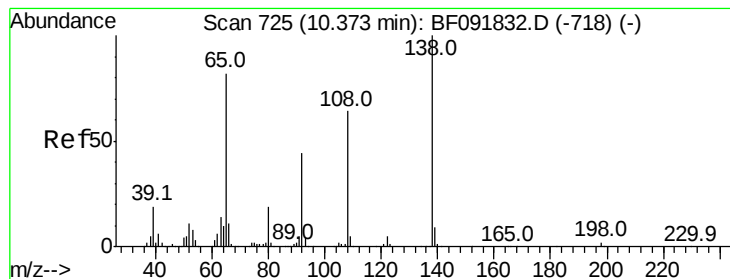


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

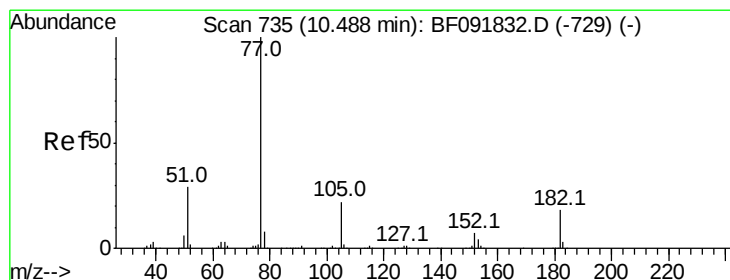
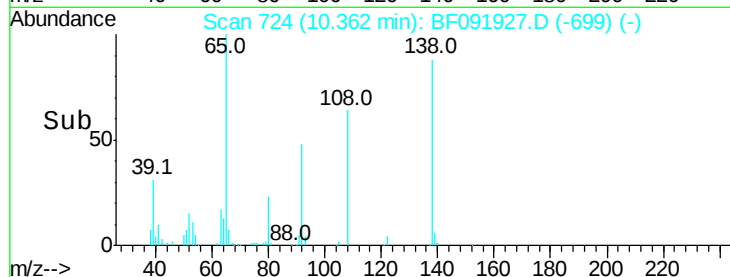
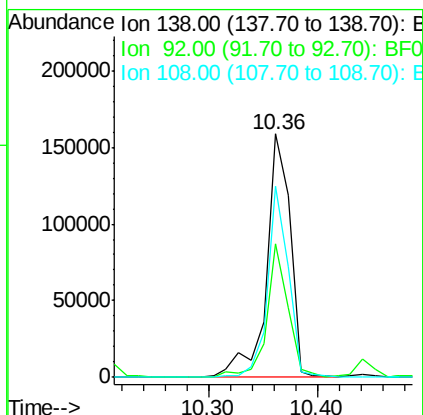
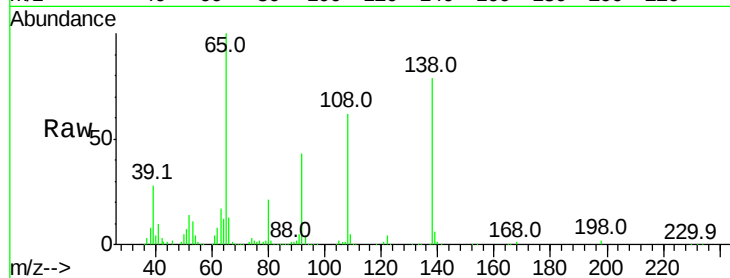




#61
4-Nitroaniline
Concen: 31.77 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

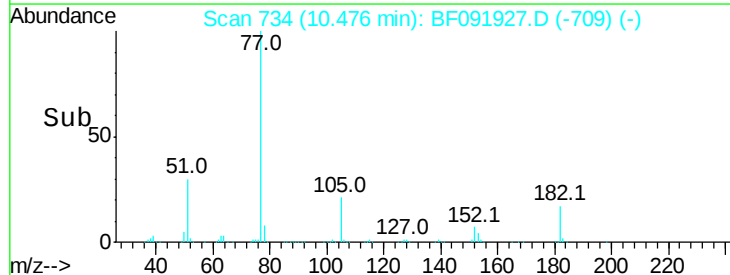
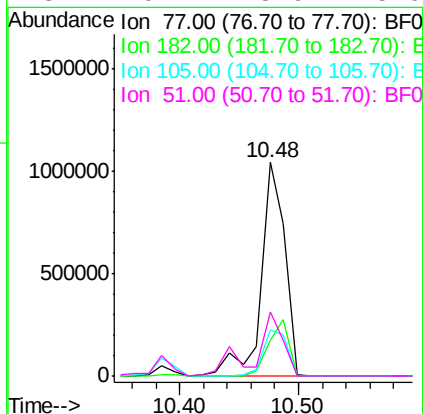
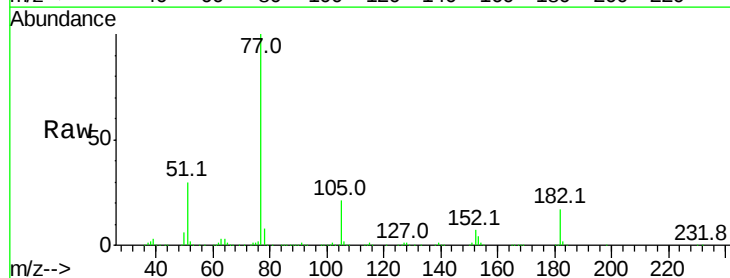
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

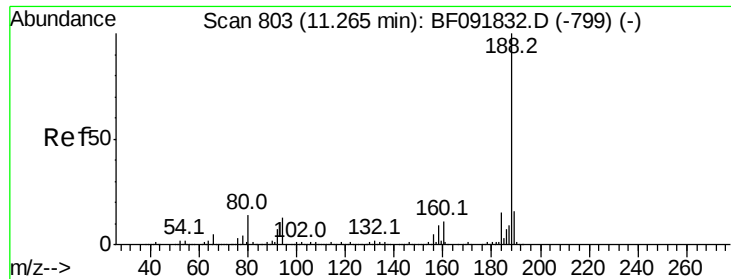
Tot Ion:138 Resp: 242560
Ion Ratio Lower Upper
138 100
92 55.0 31.7 71.7
108 78.7 52.6 92.6



#62
Azobenzene
Concen: 50.32 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion: 77 Resp: 1463651
Ion Ratio Lower Upper
77 100
182 17.0 0.0 39.3
105 21.4 2.3 42.3
51 29.7 8.9 48.9

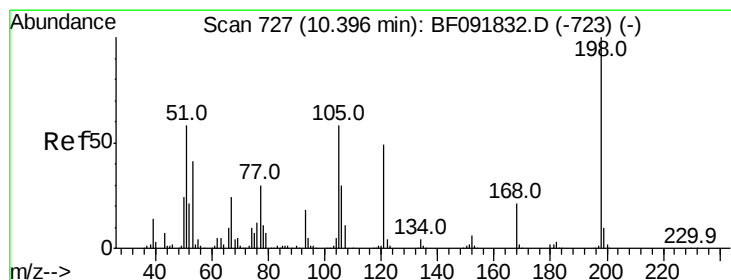
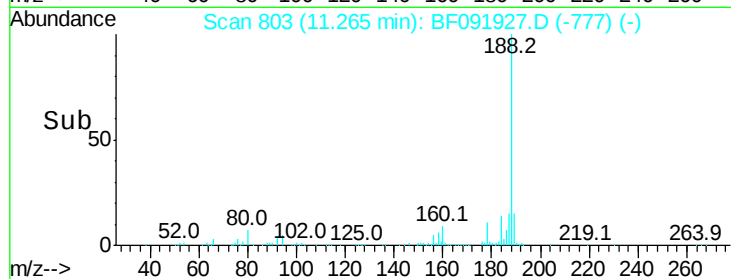
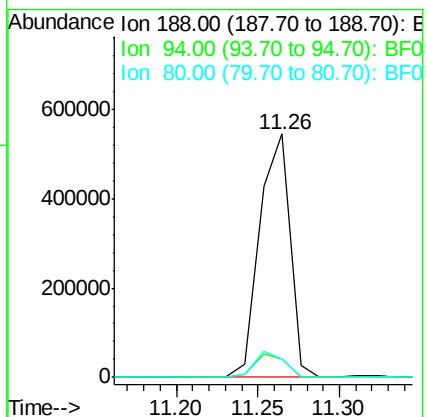
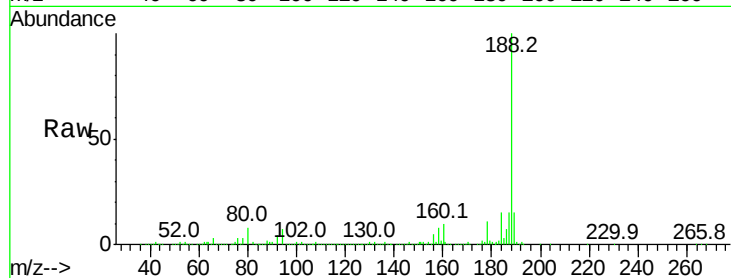




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

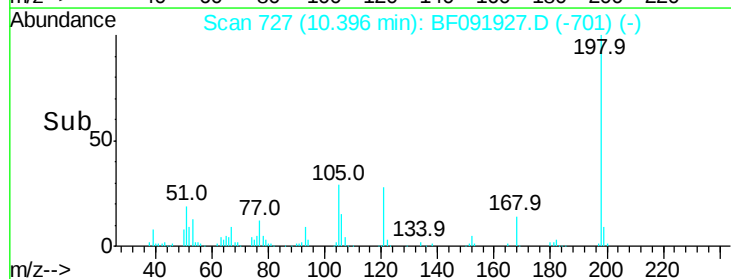
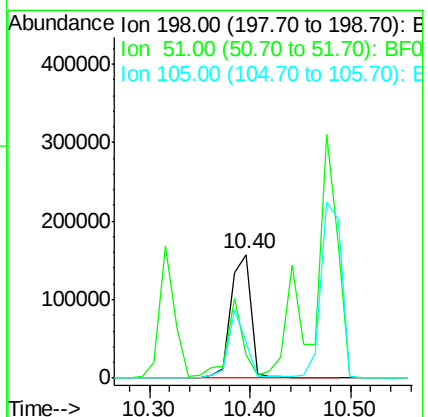
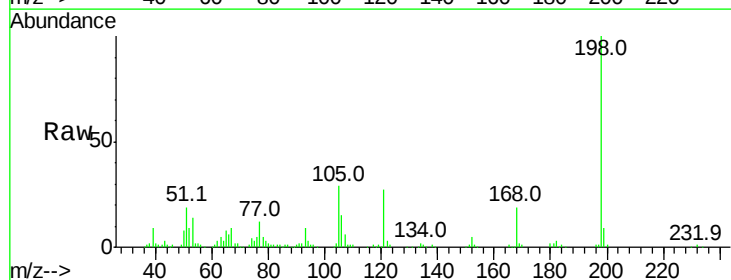
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

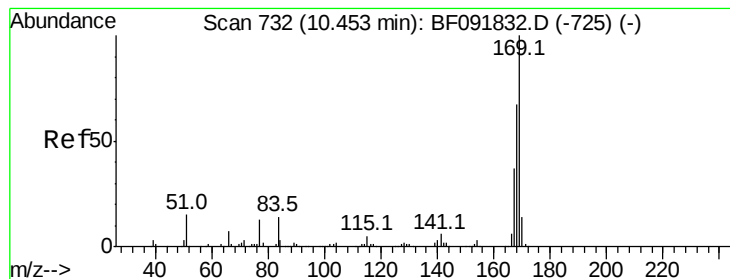
Tot Ion:188 Resp: 709624
Ion Ratio Lower Upper
188 100
94 7.4 10.0 15.0#
80 7.7 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 51.28 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion:198 Resp: 220061
Ion Ratio Lower Upper
198 100
51 19.1 6.7 46.7
105 28.9 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 50.32 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

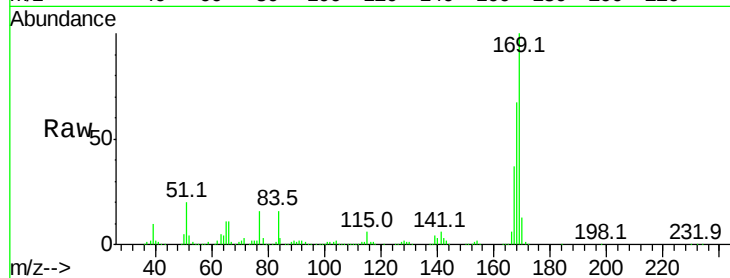
Tot Ion:169 Resp: 1059492

Ion Ratio Lower Upper

169 100

168 67.5 54.2 81.2

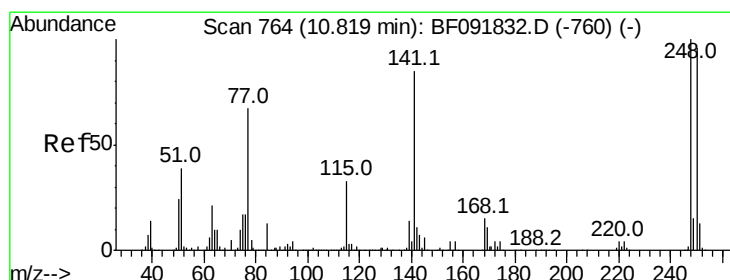
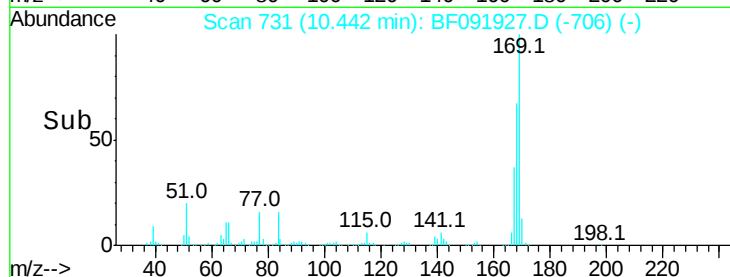
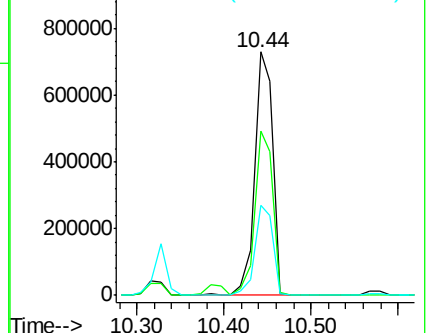
167 37.1 30.2 45.4



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: 46.48 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

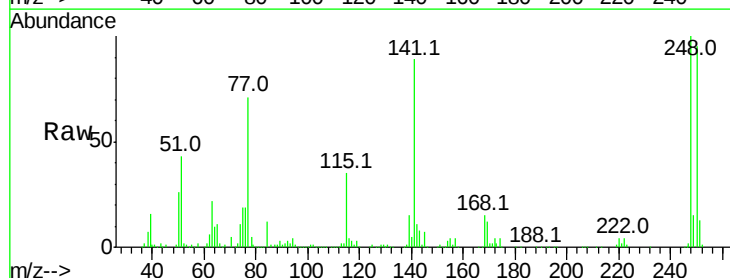
Tgt Ion:248 Resp: 343133

Ion Ratio Lower Upper

248 100

250 94.7 76.9 115.3

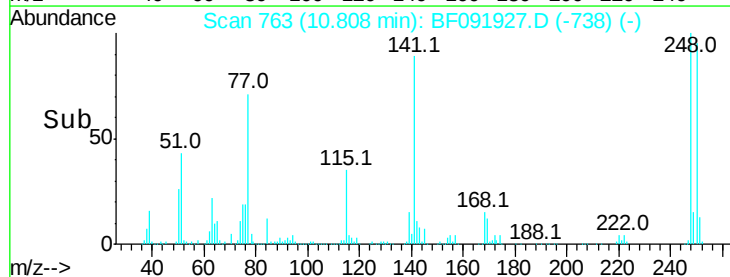
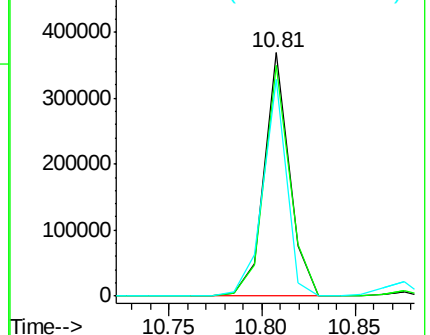
141 89.3 68.2 102.4



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

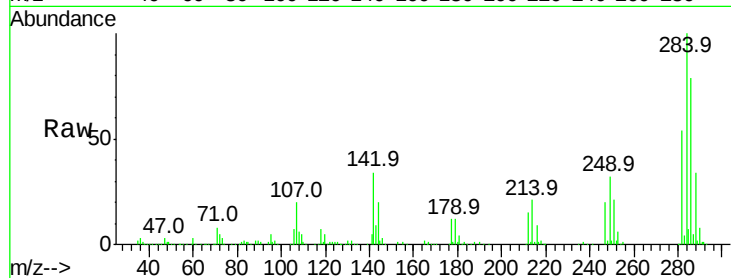




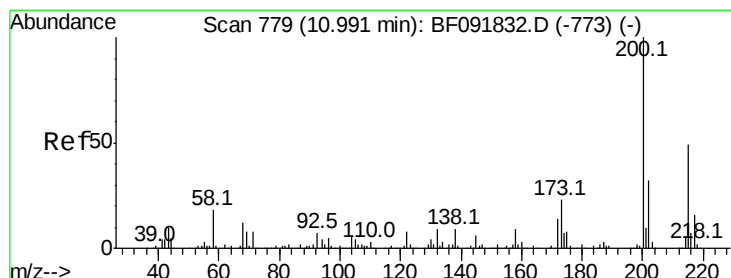
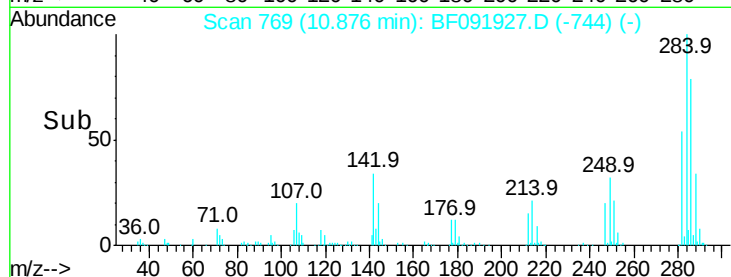
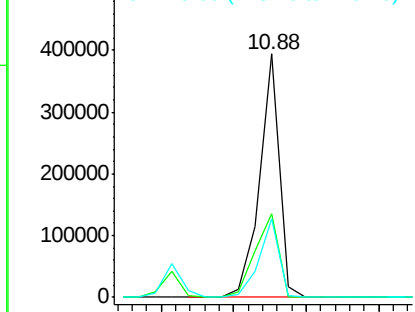
#67
Hexachlorobenzene
Concen: 47.08 ng
RT: 10.88 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

Tot Ion:284 Resp: 371463
Ion Ratio Lower Upper
284 100
142 34.2 22.6 33.8#
249 32.2 25.4 38.0

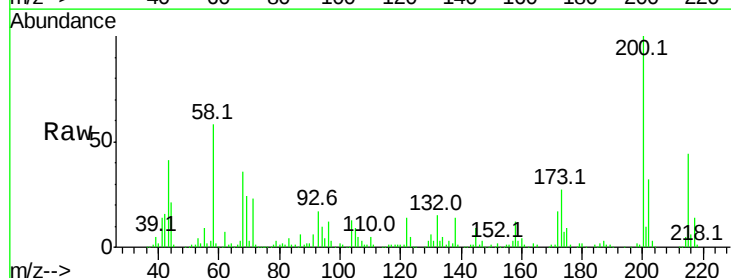


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

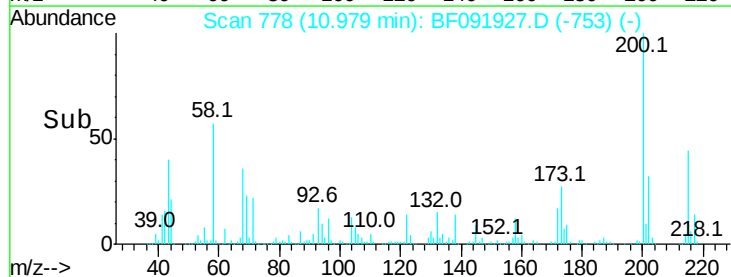
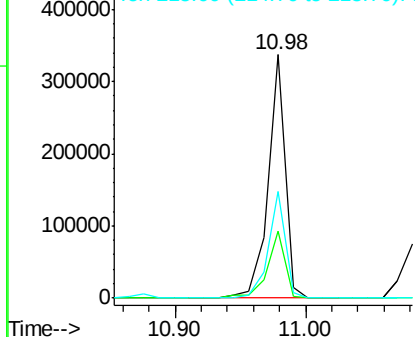


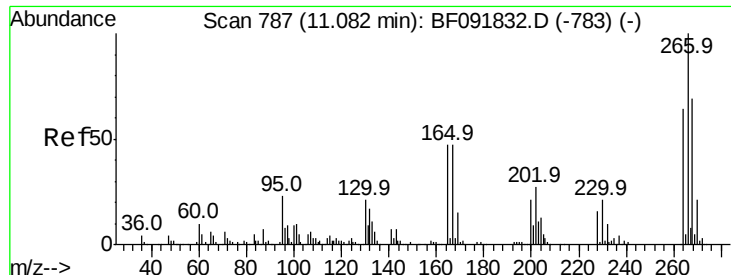
#68
Atrazine
Concen: 45.44 ng
RT: 10.98 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion:200 Resp: 308675
Ion Ratio Lower Upper
200 100
173 27.5 9.6 49.6
215 43.7 25.7 65.7



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

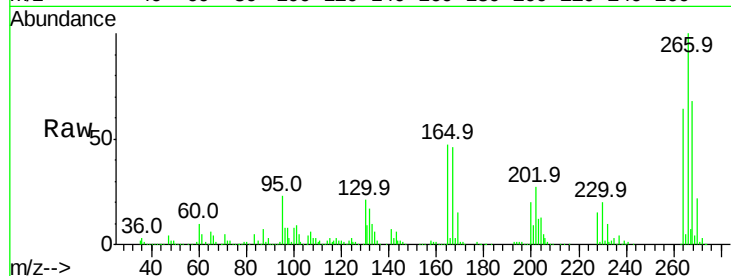




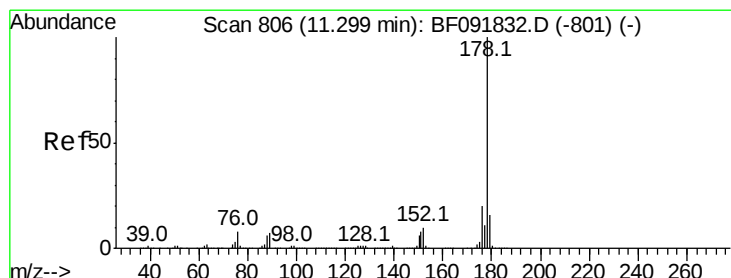
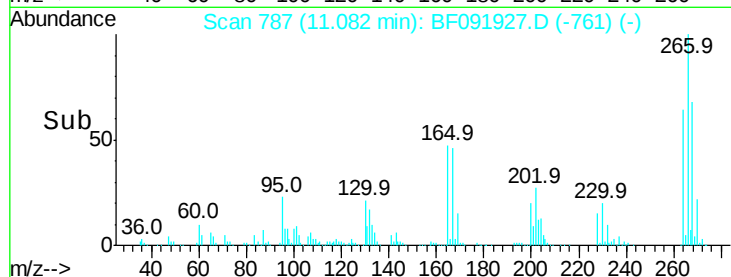
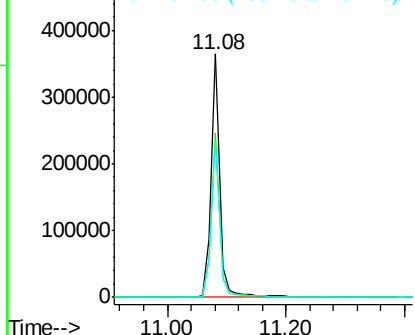
#69
 Pentachlorophenol
 Concen: 96.12 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion:266 Resp: 372124
 Ion Ratio Lower Upper
 266 100
 268 67.6 53.3 79.9
 264 64.4 50.3 75.5

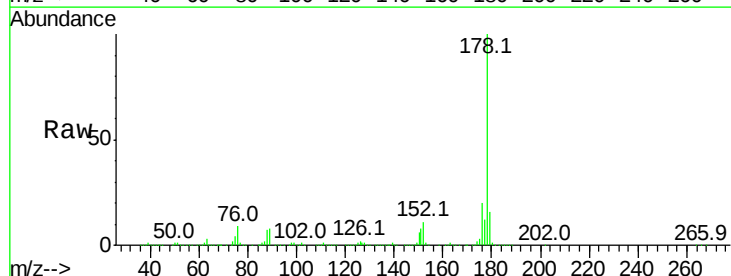


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

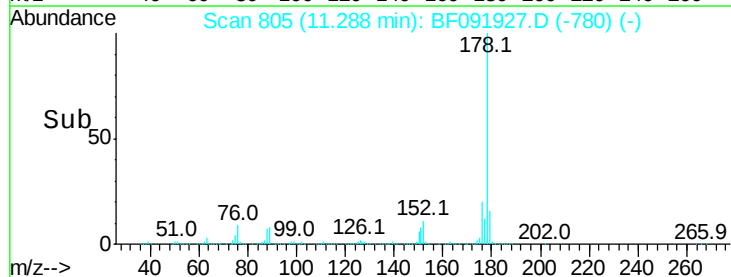
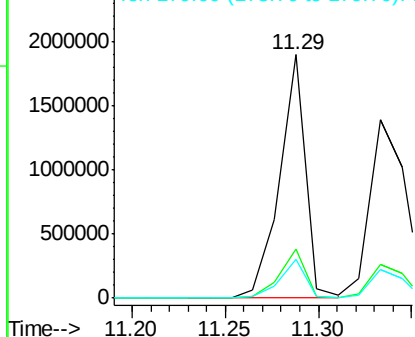


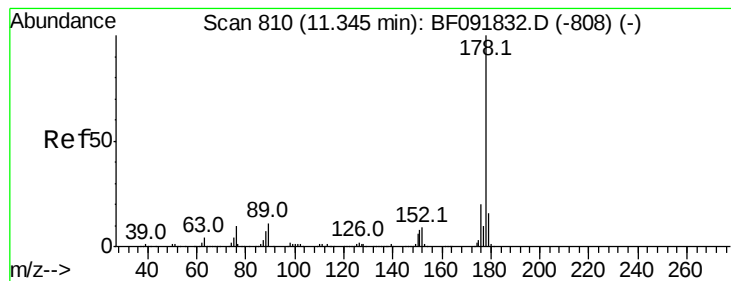
#70
 Phenanthrene
 Concen: 47.60 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion:178 Resp: 1831422
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.6 25.0
 179 16.1 12.8 19.2



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





#71

Anthracene

Concen: 57.22 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

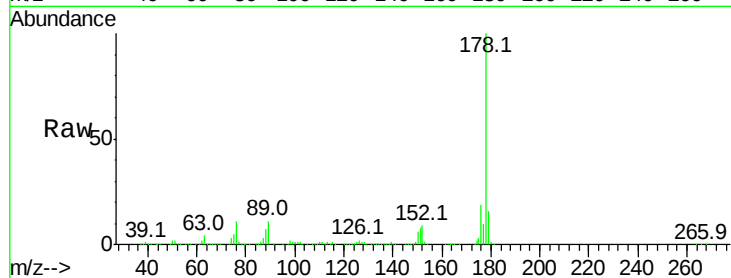
Tot Ion:178 Resp: 1772043

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

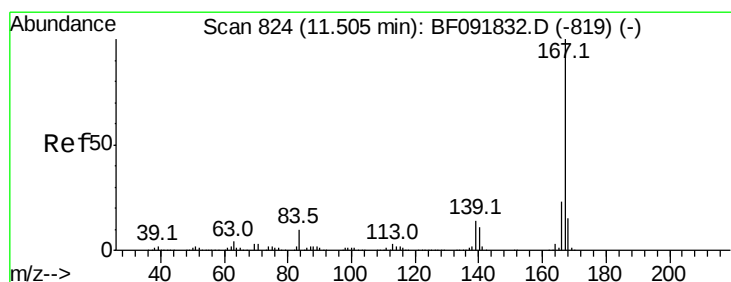
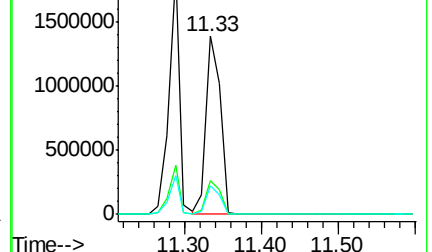
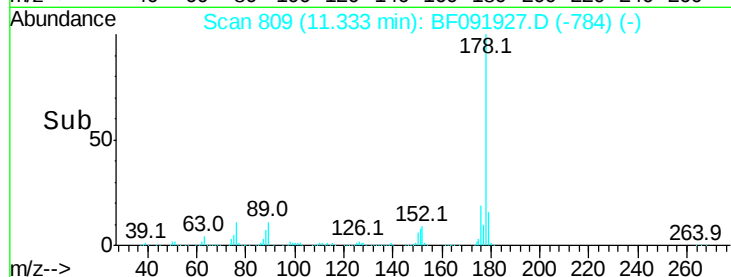
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 49.26 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

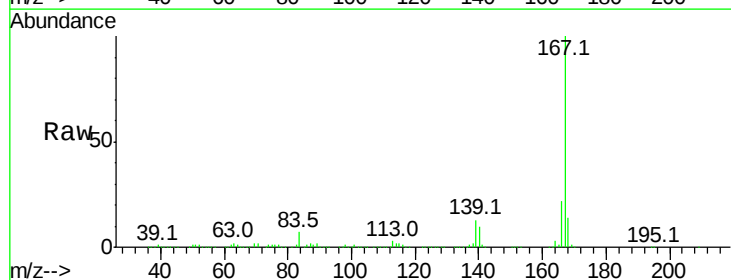
Tgt Ion:167 Resp: 1756162

Ion Ratio Lower Upper

167 100

166 22.4 18.2 27.2

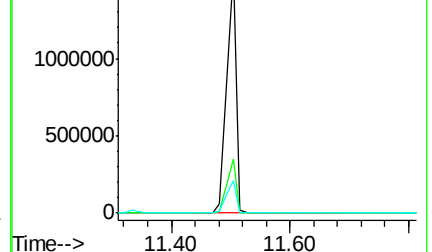
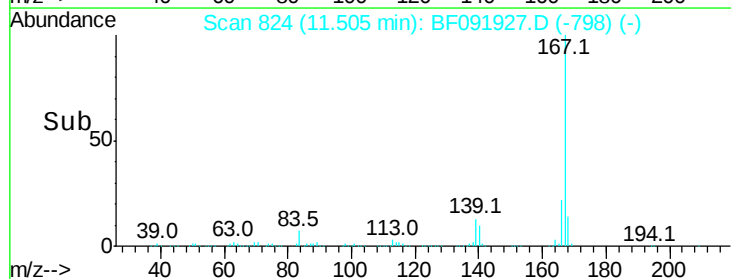
139 13.1 11.4 17.2

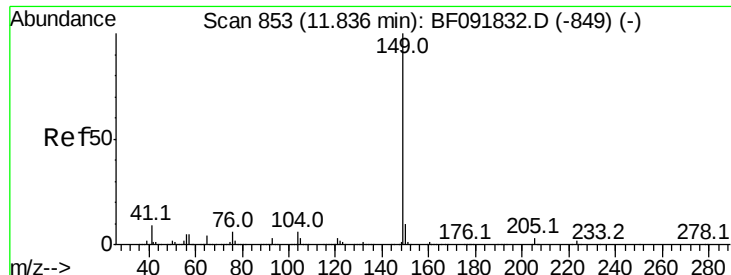


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 53.34 ng

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

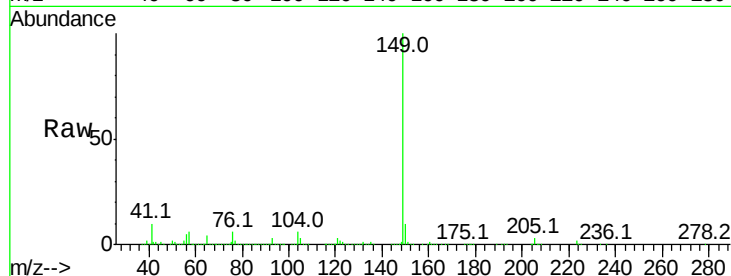
Tot Ion:149 Resp: 1917159

Ion Ratio Lower Upper

149 100

150 9.7 8.1 12.1

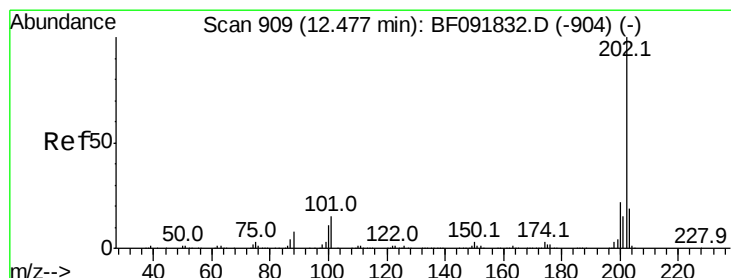
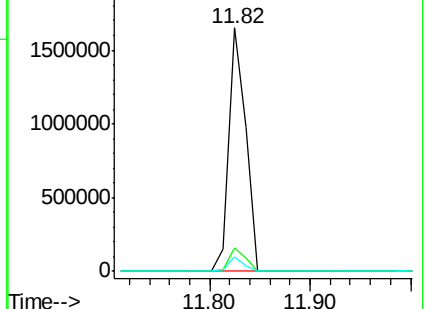
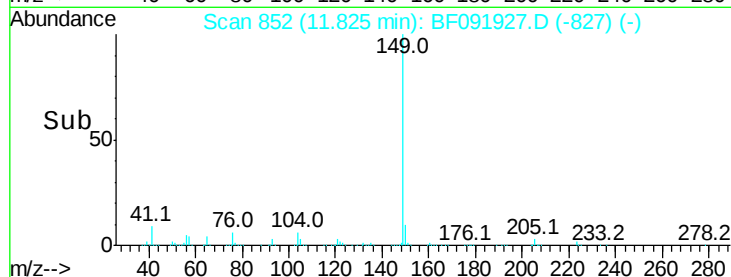
104 5.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 52.81 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

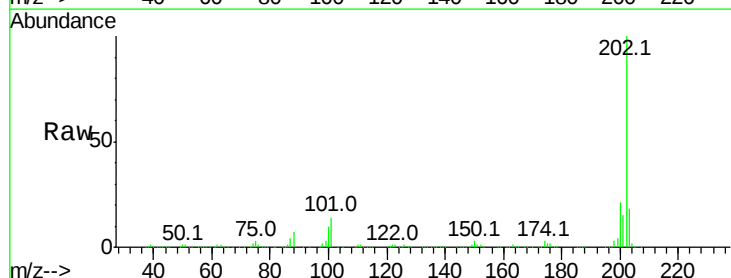
Tgt Ion:202 Resp: 1760249

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.6

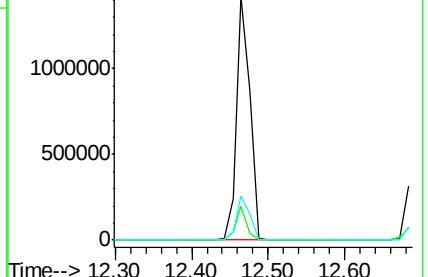
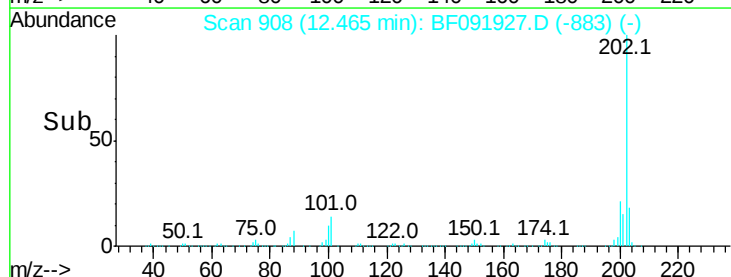
203 18.1 0.0 38.7

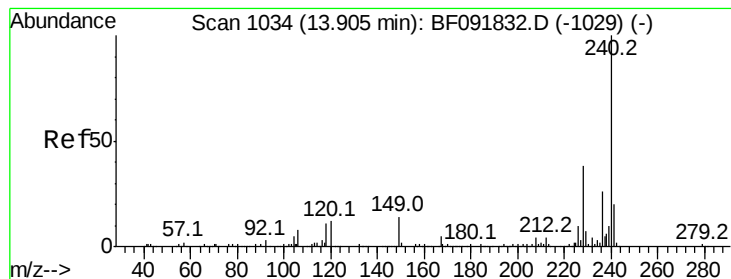


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

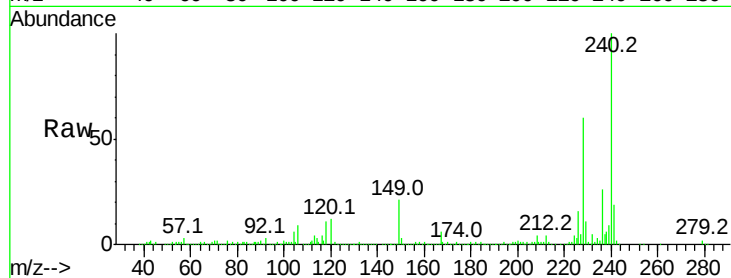
Tot Ion:240 Resp: 507833

Ion Ratio Lower Upper

240 100

120 12.0 12.9 19.3#

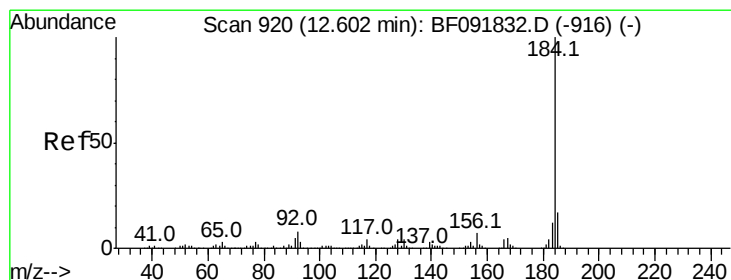
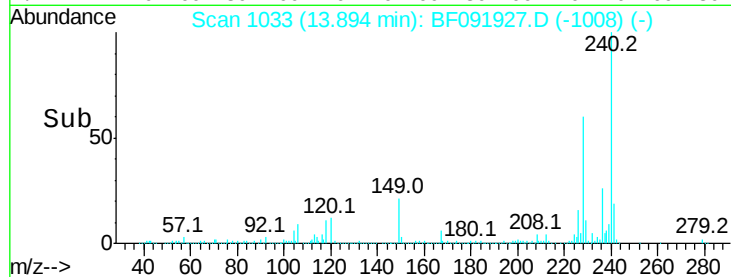
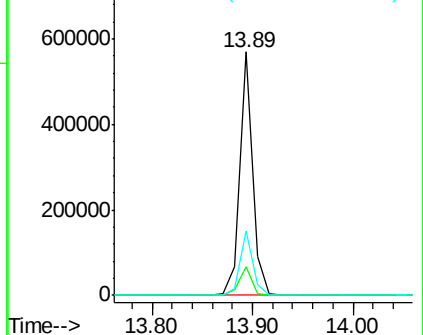
236 26.5 20.9 31.3



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: 8.98 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

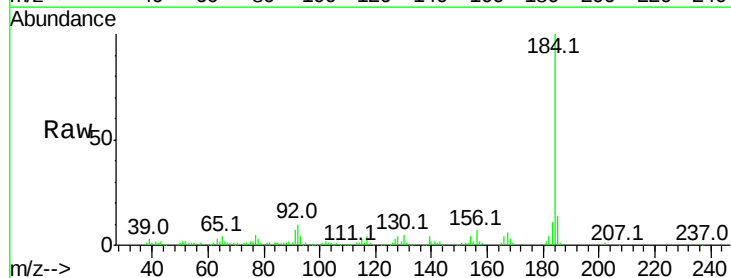
Tgt Ion:184 Resp: 160734

Ion Ratio Lower Upper

184 100

185 14.1 13.4 20.0

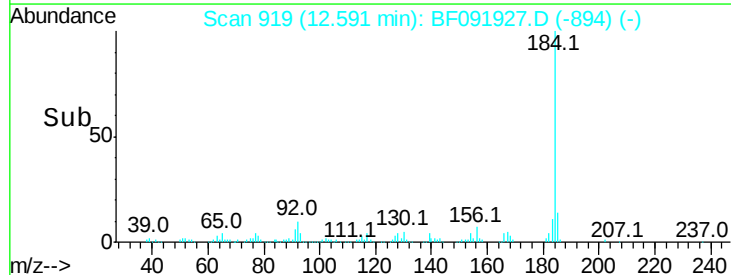
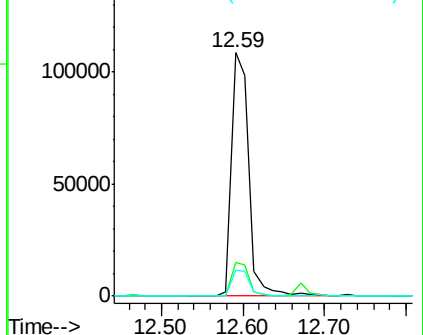
183 10.6 9.2 13.8

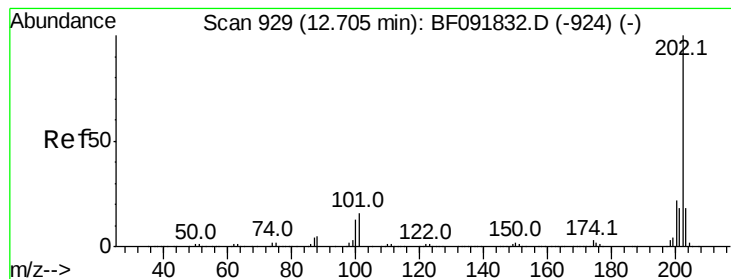


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 45.36 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

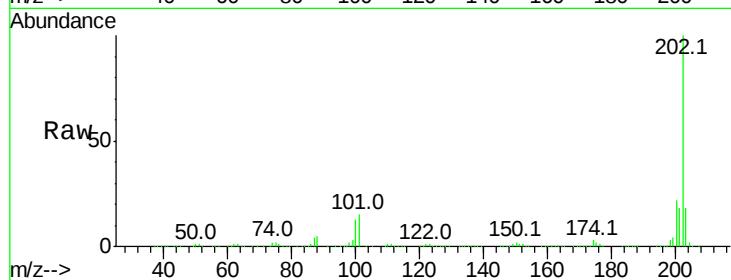
BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion:202 Resp: 1690187

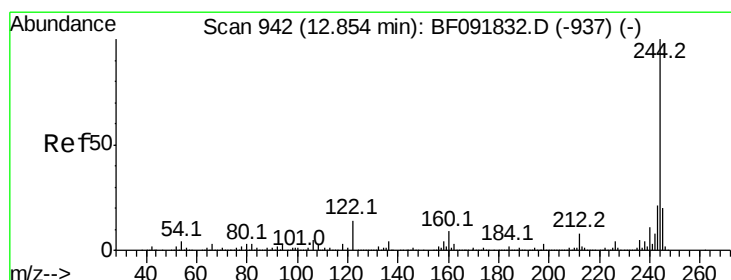
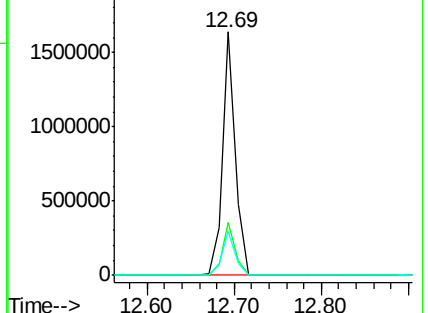
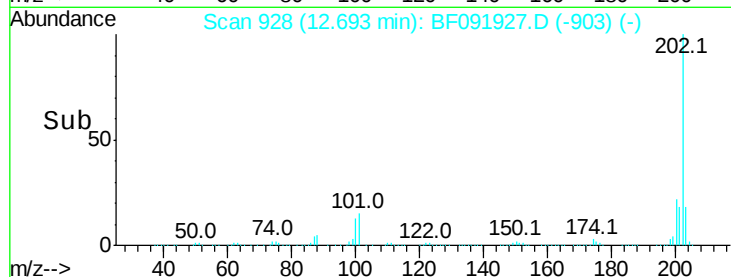
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.3	14.7	22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 96.78 ng

RT: 12.84 min Scan# 941

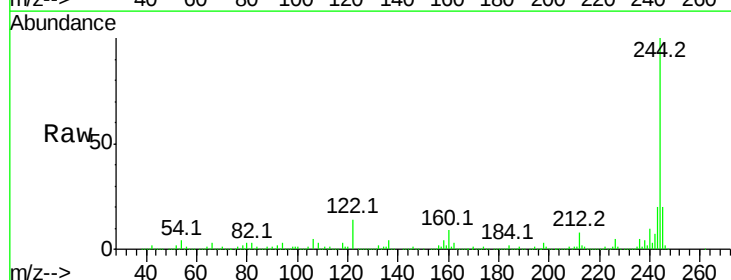
Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion:244 Resp: 2026483

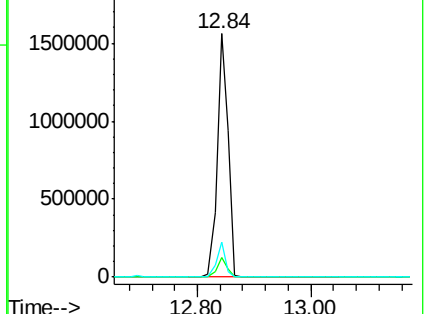
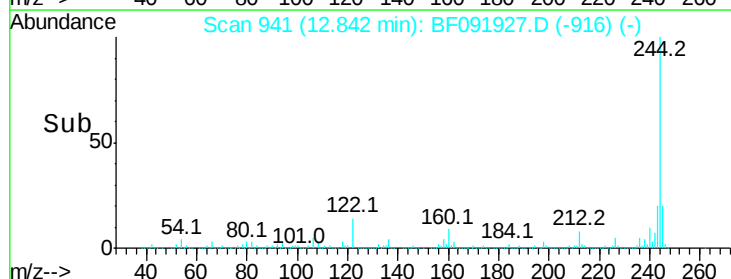
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	14.2	11.4	17.2

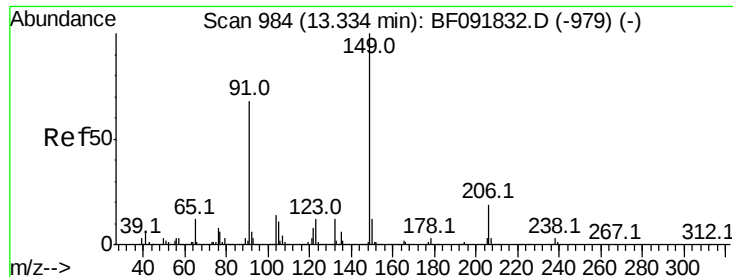


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

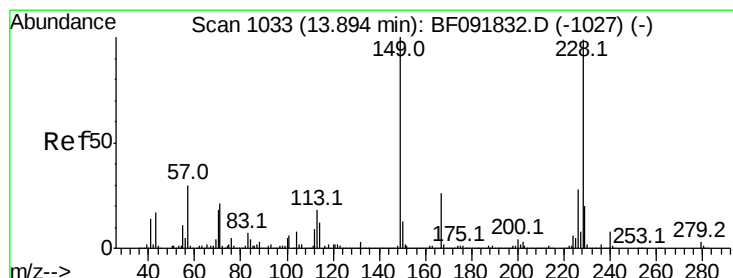
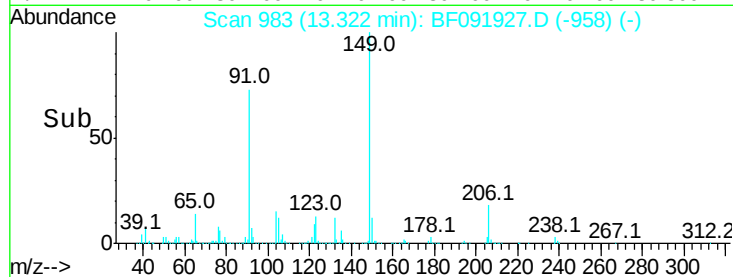
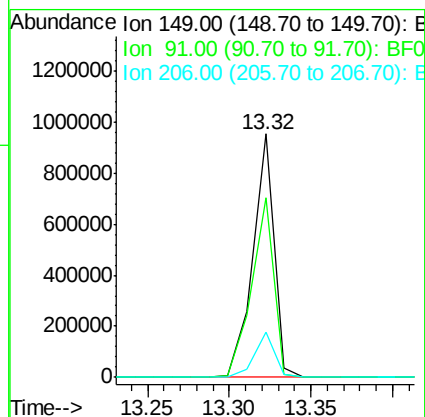
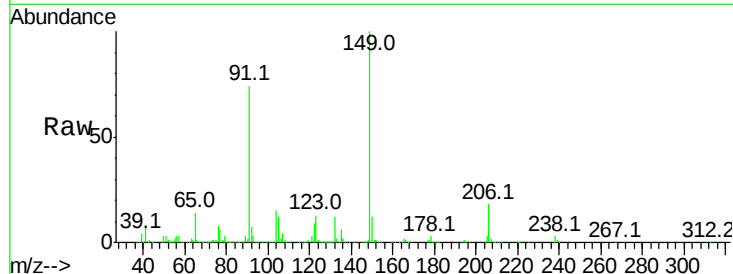




#79
Butylbenzylphthalate
Concen: 50.85 ng
RT: 13.32 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

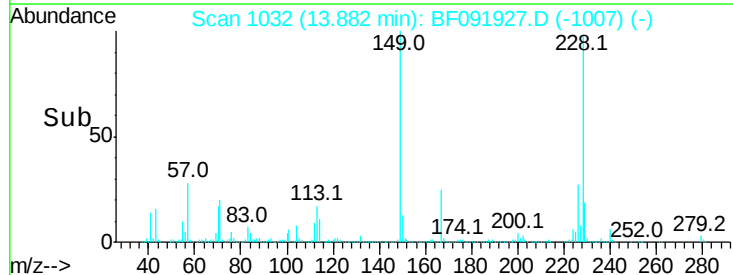
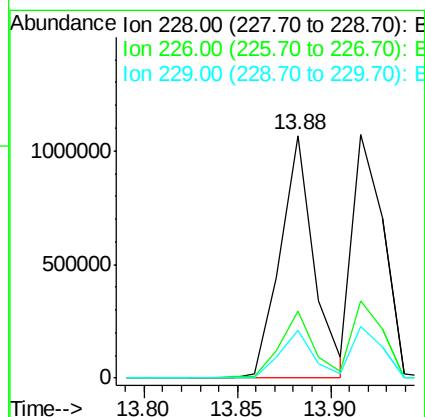
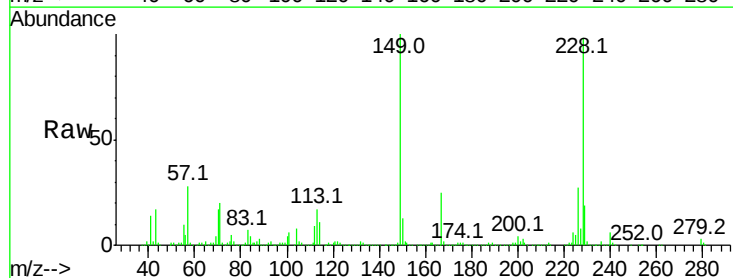
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

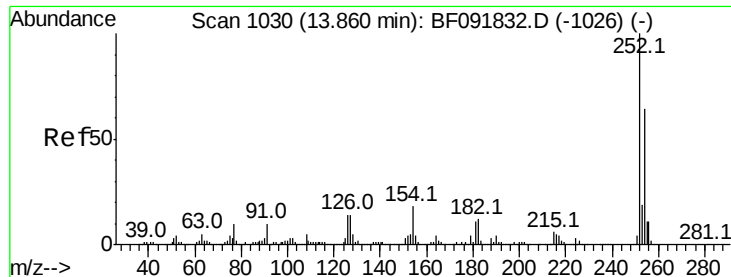
Tot Ion	Ratio	Lower	Upper
149	100		
91	73.5	63.9	95.9
206	18.5	14.6	21.8



#80
Benzo(a)anthracene
Concen: 47.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.4	33.6
229	19.8	16.2	24.4

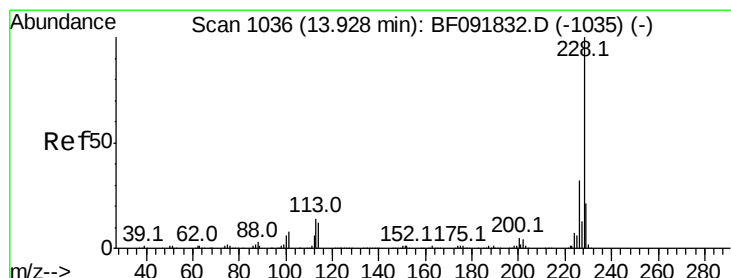
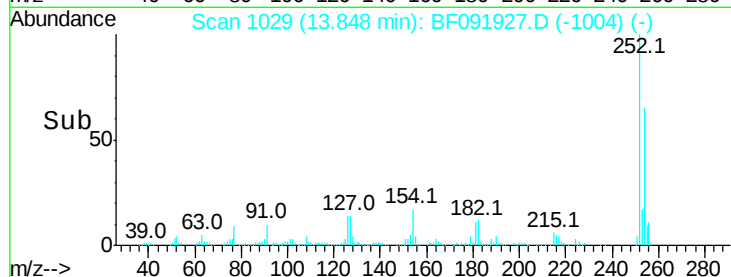
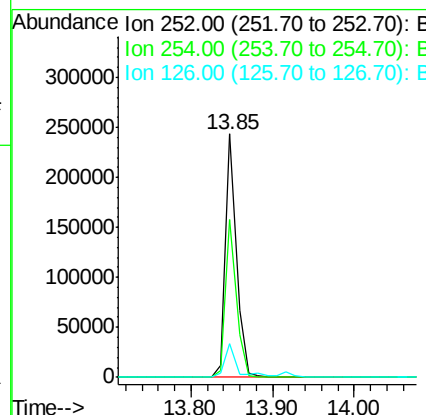
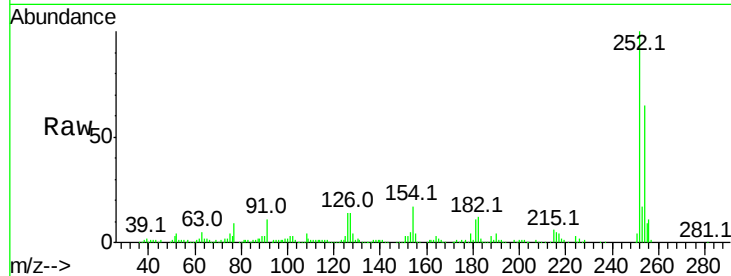




#81
 3,3'-Dichlorobenzidine
 Concen: 20.90 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

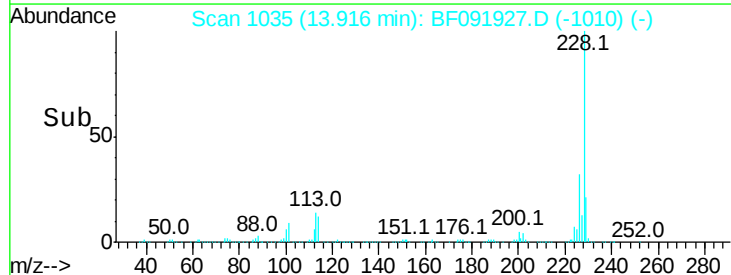
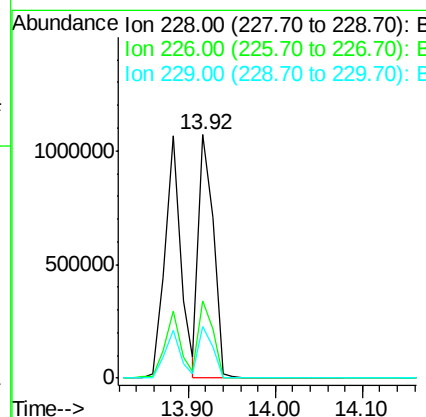
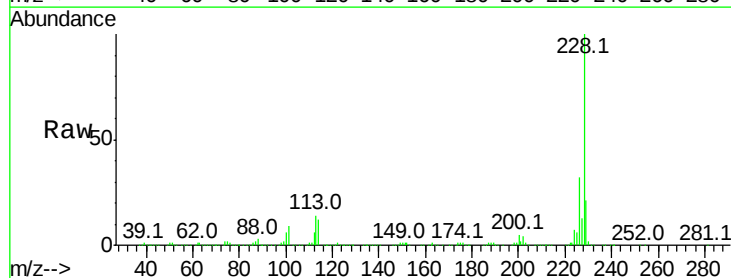
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.3	78.5
126	13.8	13.6	20.4



#82
 Chrysene
 Concen: 43.25 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091927.D
 Acq: 23 Dec 2016 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.0
229	21.0	16.2	24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.45 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

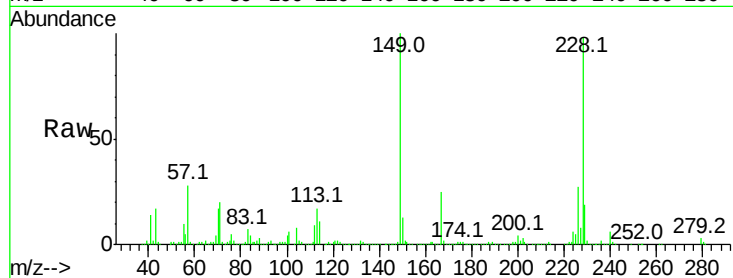
Tot Ion:149 Resp: 1026793

Ion Ratio Lower Upper

149 100

167 25.5 20.2 30.4

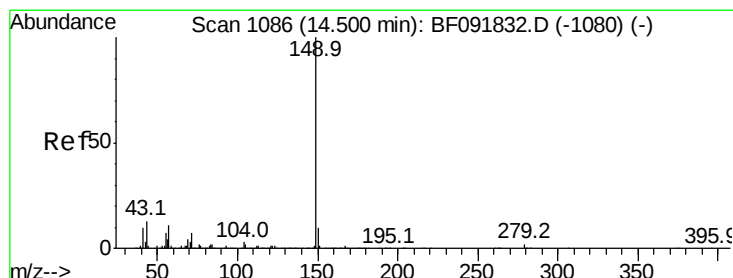
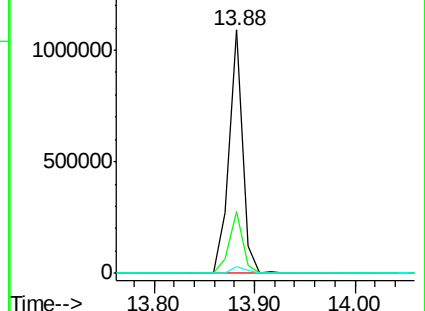
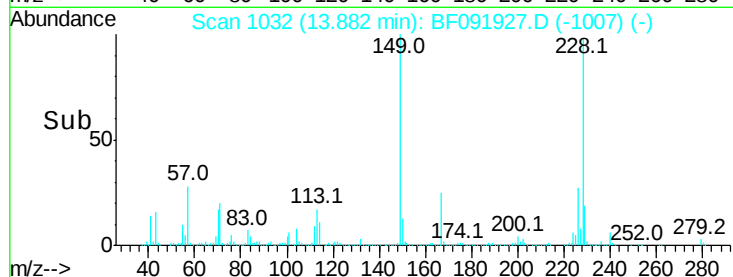
279 2.8 1.8 2.8#



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: 48.65 ng

RT: 14.49 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

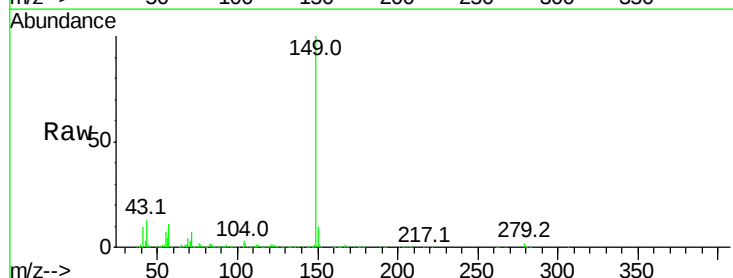
Tgt Ion:149 Resp: 1798460

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

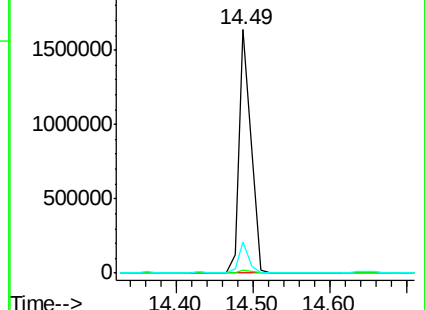
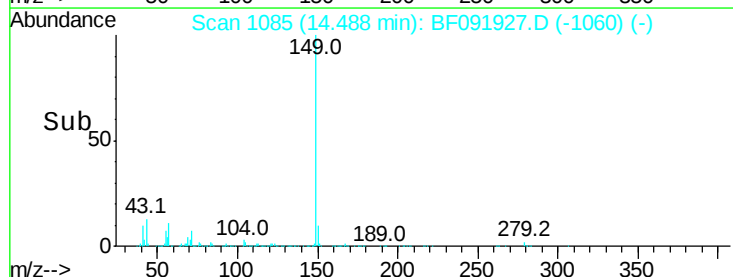
43 10.9 8.9 13.3

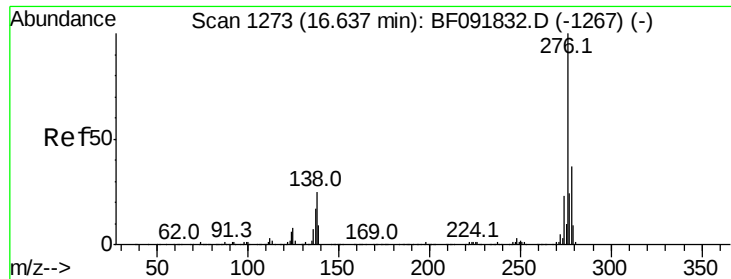


Abundance Ion 149.00 (148.70 to 149.70): E

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: 46.47 ng

RT: 16.63 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

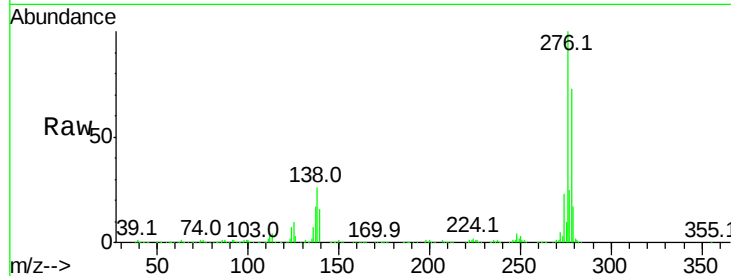
BNA_F

ClientSampleId :

WC-201612MSD

Tot Ion:276 Resp: 1157692

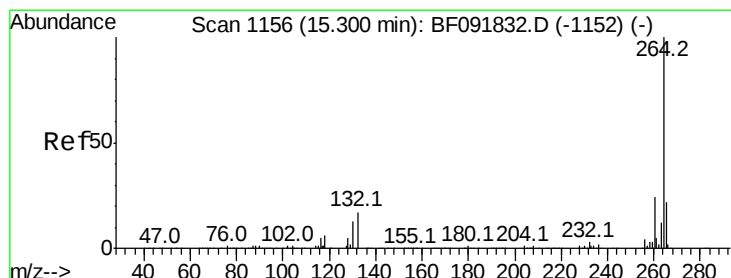
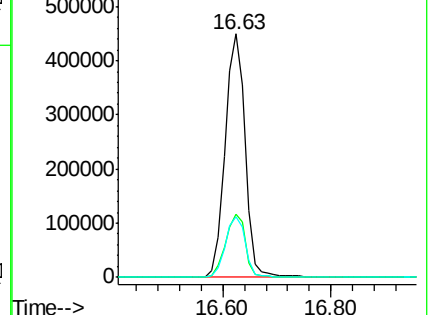
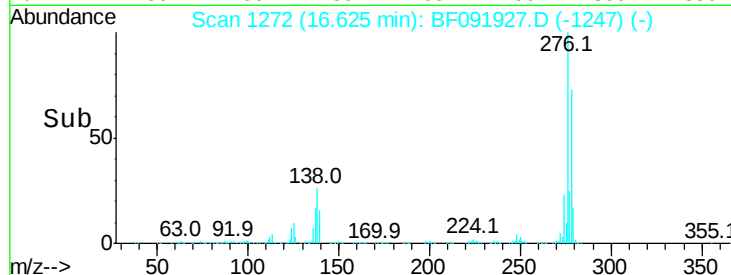
Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.8	32.6
277	25.0	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

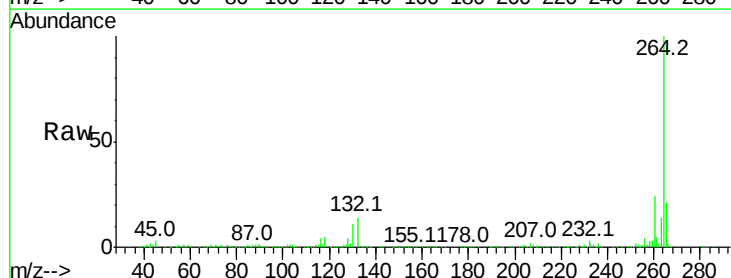
Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Tgt Ion:264 Resp: 403764

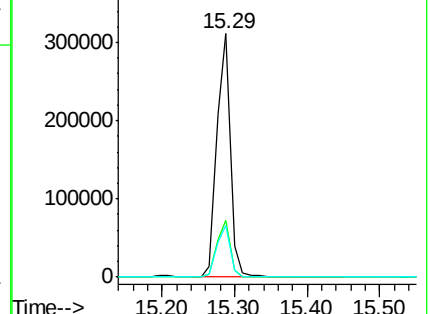
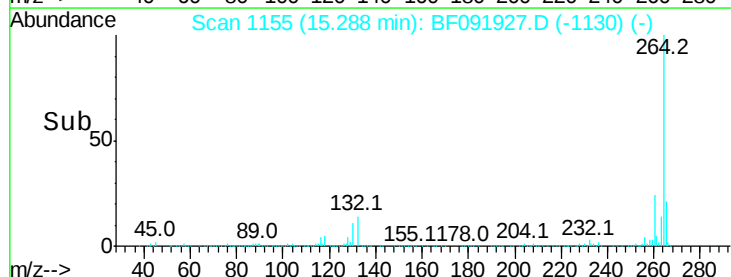
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.4	26.0

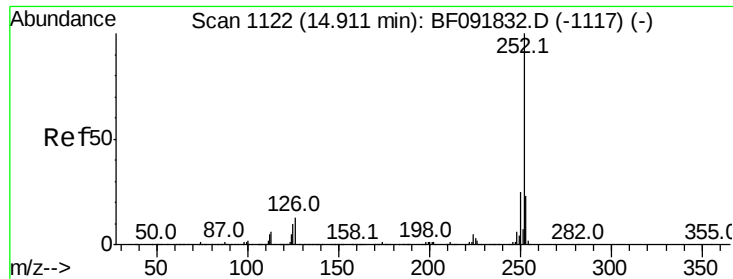


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 52.06 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

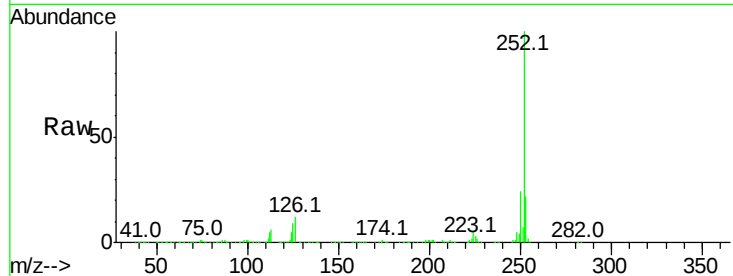
Tot Ion:252 Resp: 1308680

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

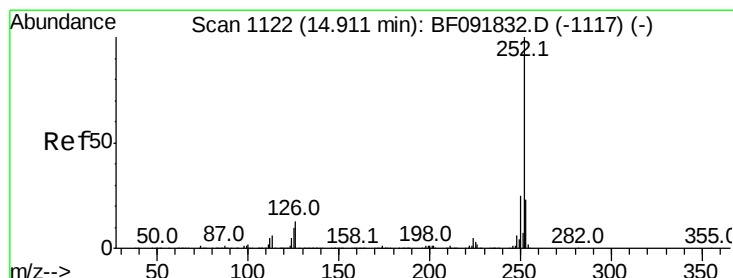
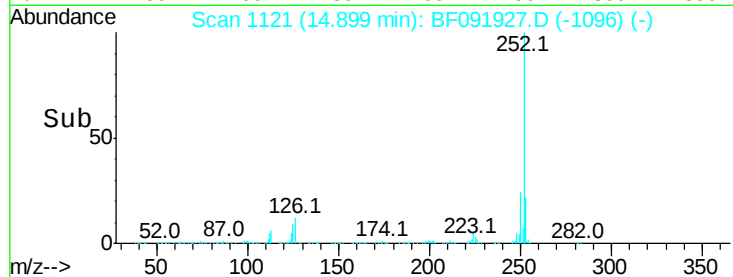
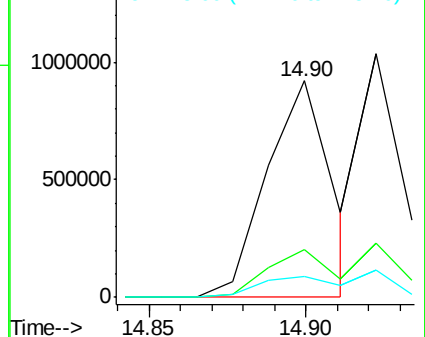
125 9.4 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 44.91 ng m

RT: 14.92 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

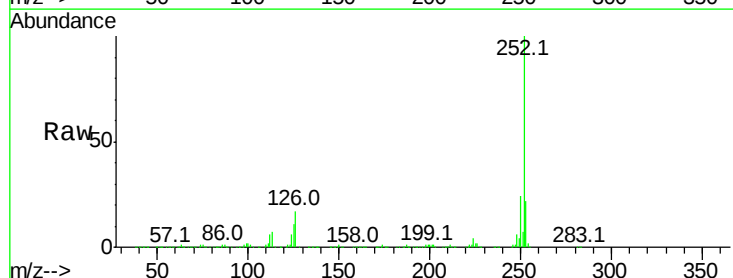
Tgt Ion:252 Resp: 962714

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

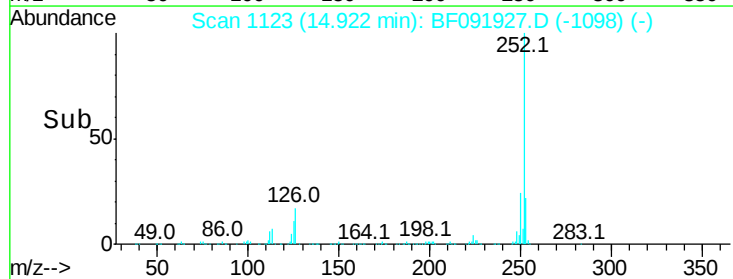
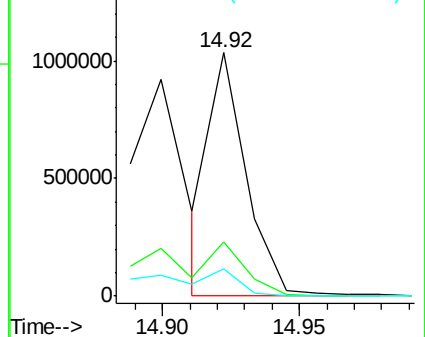
125 11.5 8.9 13.3

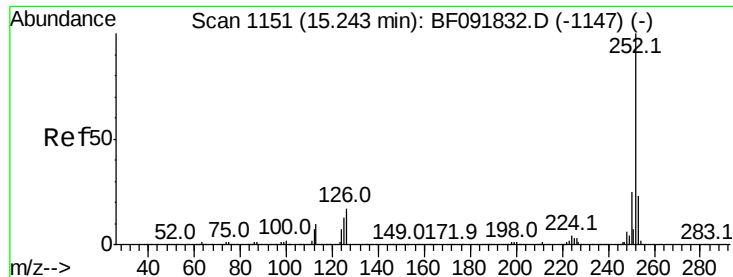


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

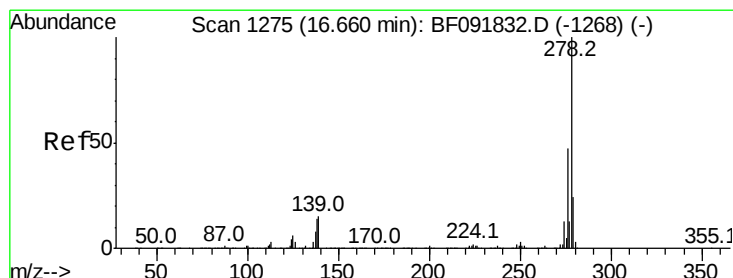
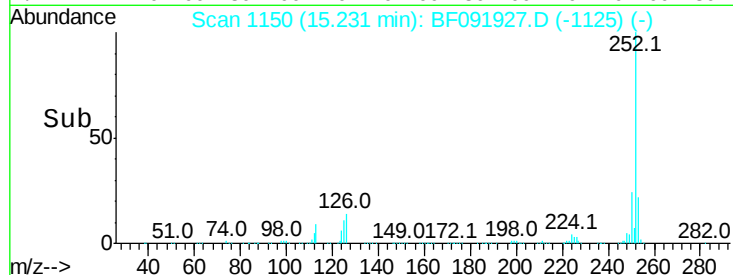
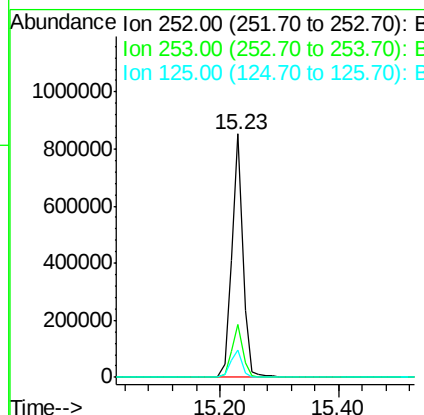
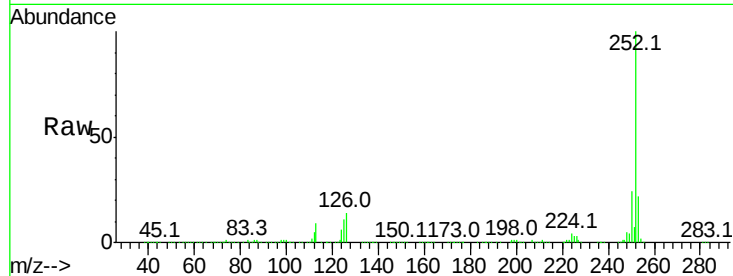




#89
Benzo(a)pyrene
Concen: 48.80 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

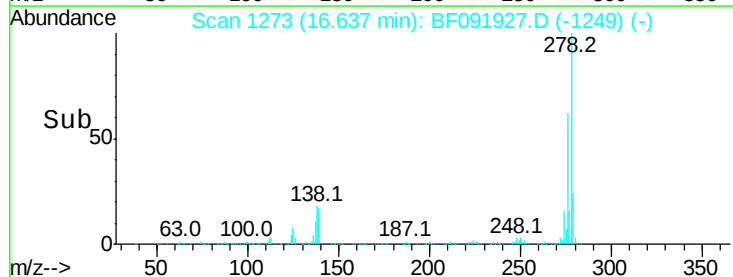
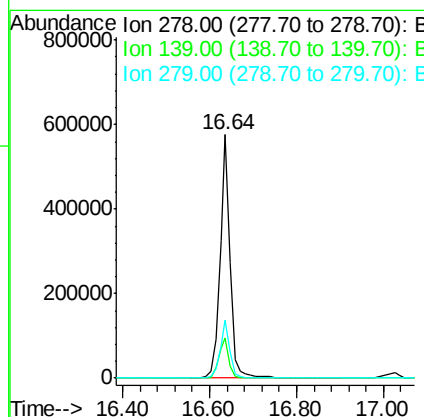
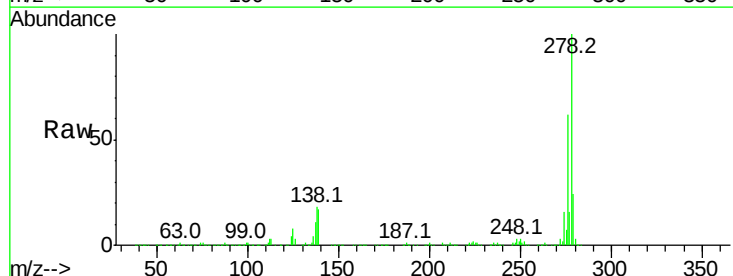
Instrument :
BNA_F
ClientSampleId :
WC-201612MSD

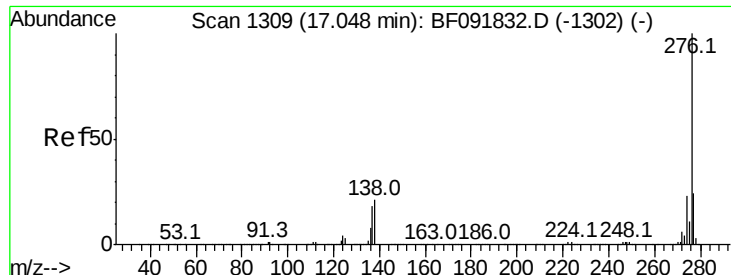
Tot Ion:252 Resp: 1088864
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 11.2 10.0 15.0



#90
Dibenzo(a,h)anthracene
Concen: 52.14 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF091927.D
Acq: 23 Dec 2016 16:50

Tgt Ion:278 Resp: 956164
Ion Ratio Lower Upper
278 100
139 16.6 14.8 22.2
279 24.0 19.8 29.6





#91

Benzo(a,h,i)perylene

Concen: 52.66 ng

RT: 17.03 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF091927.D

Acq: 23 Dec 2016 16:50

Instrument :

BNA_F

ClientSampleId :

WC-201612MSD

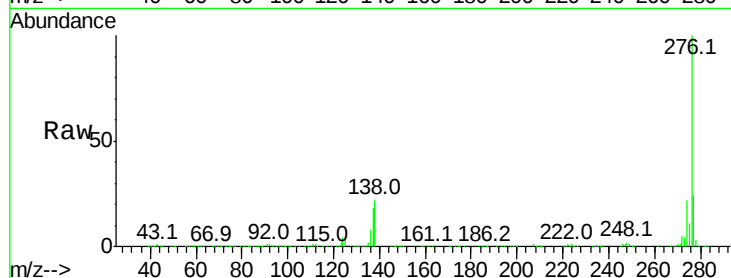
Tot Ion:276 Resp: 1004237

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 21.5 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

