

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
 Data File : BF090812.D
 Acq On : 25 Oct 2016 17:30
 Operator : UM/SJ
 Sample : H5367-09MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Manual Integrations
 APPROVED

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 10/26/2016 4:45:39 PM

Quant Time: Oct 25 18:28:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 17:09:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	241445	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	976612	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	549770	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	913129	20.00	ng	0.01
75) Chrysene-d12	13.97	240	623048	20.00	ng	0.01
86) Perylene-d12	15.39	264	484077	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	808635	54.01	ng	0.01
7) Phenol-d6	6.44	99	659949	32.54	ng	0.00
23) Nitrobenzene-d5	7.37	82	1498269	84.14	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	738813	169.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2592885	73.21	ng	0.00
78) Terphenyl-d14	12.92	244	2665714	98.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.42	88	103885	11.99	ng	# 73
3) Pyridine	3.14	79	231521	11.41	ng	# 68
4) n-Nitrosodimethylamine	3.06	42	75119	10.82	ng	# 57
6) Aniline	6.46	93	524971	22.83	ng	# 87
8) 2-Chlorophenol	6.59	128	577952	32.16	ng	# 94
9) Benzaldehyde	6.34	77	111625	10.07	ng	# 73
10) Phenol	6.45	94	298490	13.09	ng	# 44
11) bis(2-Chloroethyl)ether	6.53	93	716708	37.42	ng	# 94
12) 1,3-Dichlorobenzene	6.74	146	701416	38.85	ng	# 95
13) 1,4-Dichlorobenzene	6.82	146	736504	38.46	ng	# 95
14) 1,2-Dichlorobenzene	6.97	146	632793m	33.76	ng	#
15) Benzyl Alcohol	6.94	79	320314	23.26	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	7.08	45	749811	26.14	ng	# 59
17) 2-Methylphenol	7.07	107	389300	28.75	ng	# 82
18) Hexachloroethane	7.31	117	260820	33.55	ng	# 89
19) n-Nitroso-di-n-propylamine	7.23	70	505031	33.44	ng	# 67
20) 3+4-Methylphenols	7.22	107	366205	22.82	ng	# 27
22) Acetophenone	7.22	105	943095	43.33	ng	# 83
24) Nitrobenzene	7.39	77	766261	39.70	ng	# 72
25) Isophorone	7.63	82	1385929	41.12	ng	# 91
26) 2-Nitrophenol	7.71	139	422198	53.54	ng	# 87
27) 2,4-Dimethylphenol	7.76	122	611664	43.74	ng	# 85
28) bis(2-Chloroethoxy)methane	7.85	93	865325	46.93	ng	# 95
29) 2,4-Dichlorophenol	7.95	162	535839	46.69	ng	# 93
30) 1,2,4-Trichlorobenzene	8.03	180	630016	46.65	ng	# 97
31) Naphthalene	8.11	128	1910989	40.00	ng	# 96
32) Benzoic acid	7.85	122	94035	15.59	ng	# 74
33) 4-Chloroaniline	8.17	127	442095	24.95	ng	# 95
34) Hexachlorobutadiene	8.24	225	356602	46.96	ng	# 99
35) Caprolactam	8.54	113	27872	8.50	ng	# 90
36) 4-Chloro-3-methylphenol	8.65	107	579404	43.41	ng	# 84
37) 2-Methylnaphthalene	8.81	142	1410213	50.51	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	622670	41.94	ng	# 98
40) Hexachlorocyclopentadiene	8.96	237	634731	91.08	ng	# 95

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 17:09:27 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	434543	47.20	nq	99
43) 2,4,5-Trichlorophenol	9.13	196	487835	52.22	nq	95
45) 1,1'-Biphenyl	9.28	154	1761232	40.79	nq	93
46) 2-Chloronaphthalene	9.30	162	1423952	44.37	nq	96
47) 2-Nitroaniline	9.39	65	372805	35.00	nq	# 77
48) Acenaphthylene	9.71	152	2012596	41.10	nq	94
49) Dimethylphthalate	9.58	163	1755138	50.81	nq	# 98
50) 2,6-Dinitrotoluene	9.64	165	409147	55.07	nq	# 92
51) Acenaphthene	9.88	154	1231597	37.89	nq	89
52) 3-Nitroaniline	9.80	138	189861	22.23	nq	# 56
53) 2,4-Dinitrophenol	9.92	184	382528	86.35	nq	# 82
54) Dibenzofuran	10.05	168	1730583	43.95	nq	# 86
55) 4-Nitrophenol	9.97	139	148280	32.10	nq	# 72
56) 2,4-Dinitrotoluene	10.04	165	444053	48.91	nq	# 83
57) Fluorene	10.40	166	1383761	42.40	nq	91
58) 2,3,4,6-Tetrachlorophenol	10.18	232	380759m	51.93	nq	
59) Diethylphthalate	10.28	149	1657262	46.25	nq	95
60) 4-Chlorophenyl-phenylether	10.38	204	668653	44.84	nq	# 87
61) 4-Nitroaniline	10.43	138	336775	38.94	nq	# 65
62) Azobenzene	10.54	77	1410437	33.62	nq	86
64) 4,6-Dinitro-2-methylphenol	10.45	198	266320	45.89	nq	# 78
65) n-Nitrosodiphenylamine	10.51	169	1193907	40.81	nq	90
66) 4-Bromophenyl-phenylether	10.88	248	449836	50.82	nq	97
67) Hexachlorobenzene	10.94	284	562158	53.82	nq	# 84
68) Atrazine	11.05	200	443967	54.98	nq	86
69) Pentachlorophenol	11.14	266	566551	84.21	nq	97
70) Phenanthrene	11.36	178	1944754m	41.78	nq	
71) Anthracene	11.41	178	2279051	44.15	nq	97
72) Carbazole	11.56	167	1846029	42.78	nq	# 92
73) Di-n-butylphthalate	11.91	149	2406112	42.98	nq	99
74) Fluoranthene	12.55	202	2186251	48.56	nq	88
76) Benzidine	12.67	184	459767	33.23	nq	98
77) Pyrene	12.77	202	2145998	49.32	nq	# 95
79) Butylbenzylphthalate	13.39	149	956363	47.81	nq	# 85
80) Benzo(a)anthracene	13.96	228	1474784	43.25	nq	95
81) 3,3'-Dichlorobenzidine	13.93	252	423354	35.83	nq	# 93
82) Chrysene	14.00	228	1474448m	44.31	nq	
83) Bis(2-ethylhexyl)phthalate	13.96	149	1298794	45.38	nq	99
84) Di-n-octyl phthalate	14.57	149	1957643	45.07	nq	# 86
85) Indeno(1,2,3-cd)pyrene	16.77	276	1418584	48.86	nq	# 92
87) Benzo(b)fluoranthene	14.99	252	1599937m	53.75	nq	
88) Benzo(k)fluoranthene	15.01	252	1186450m	39.66	nq	
89) Benzo(a)pyrene	15.33	252	1321671	47.33	nq	# 86
90) Dibenzo(a,h)anthracene	16.79	278	1211255	45.17	nq	# 82
91) Benzo(g,h,i)perylene	17.19	276	1158404	44.54	nq	# 78

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

```

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Sample    : H5367-09MSD
Misc      :
ALS Vial  : 6      Sample Multiplier: 1

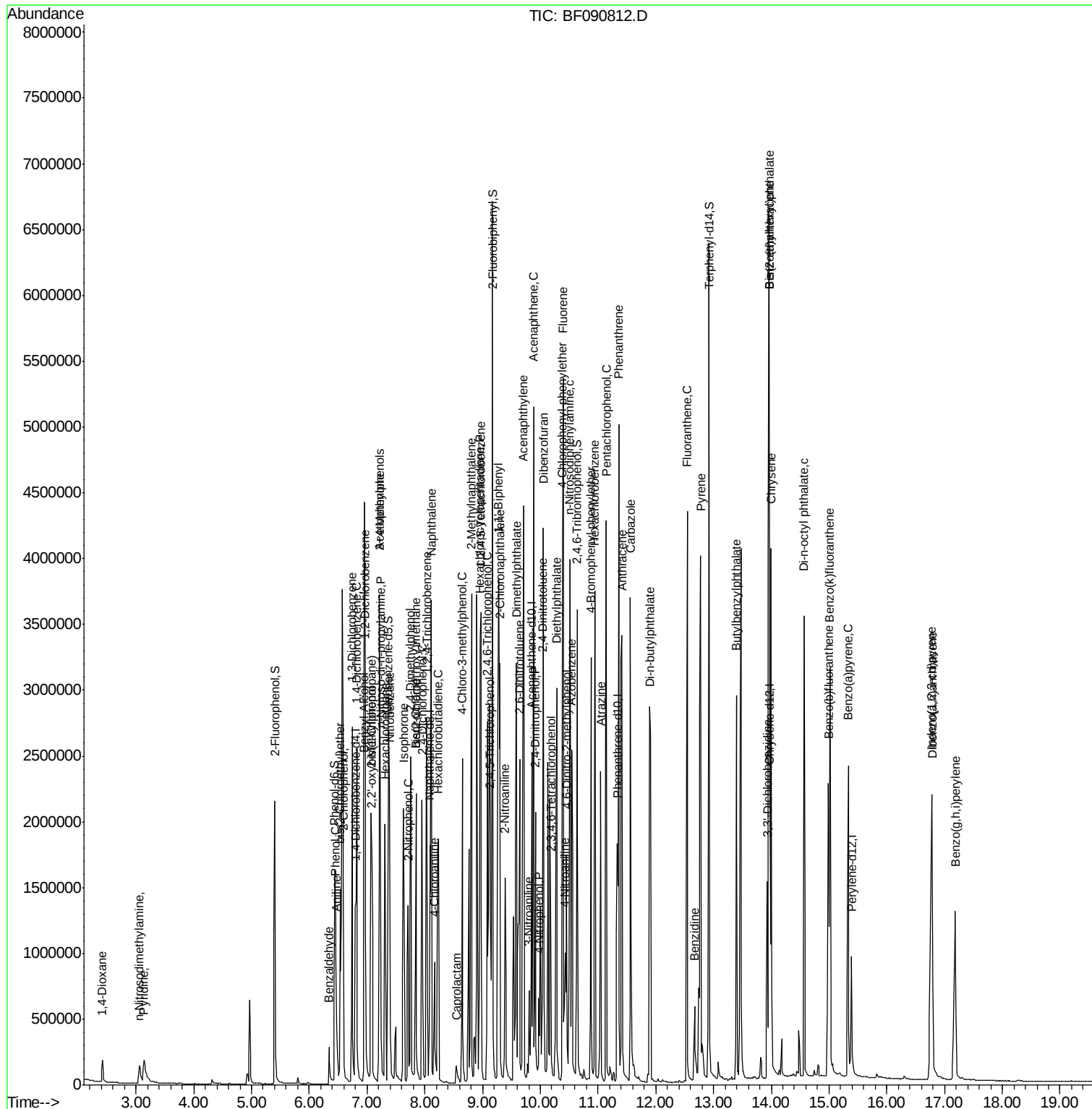
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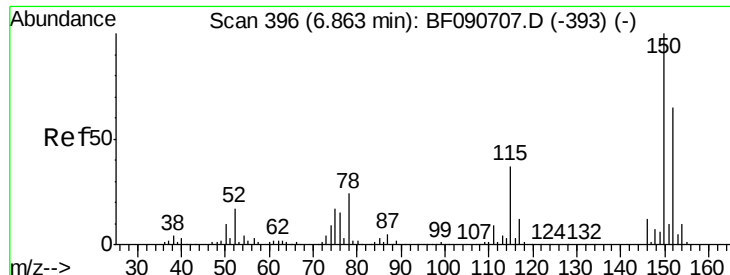
Instrument :
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#1

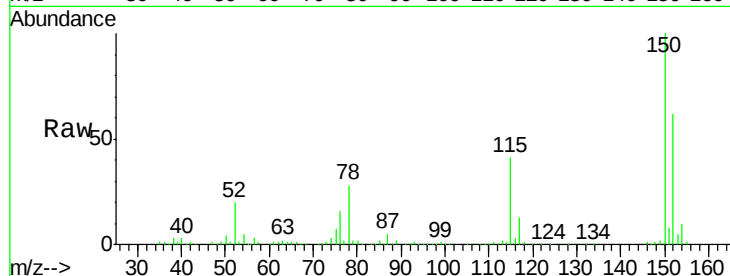
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

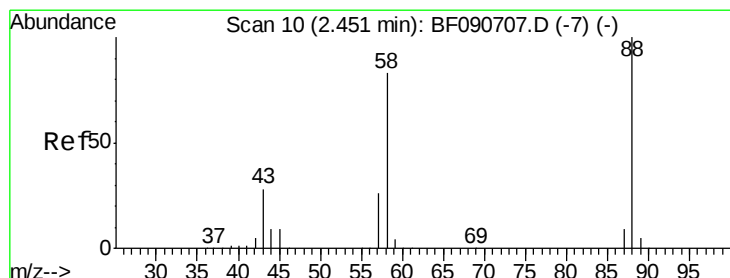
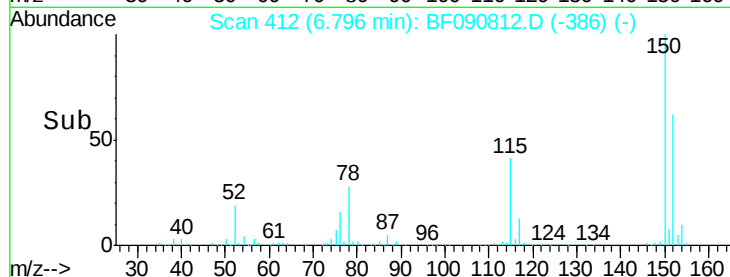
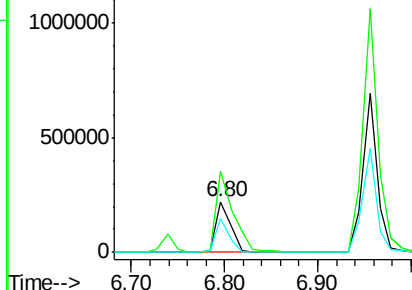
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.7	187.1
115	66.2	39.0	58.4

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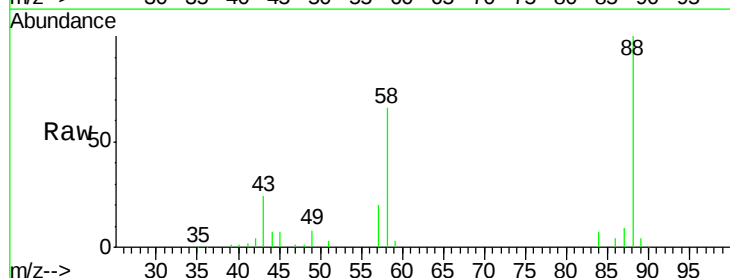
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



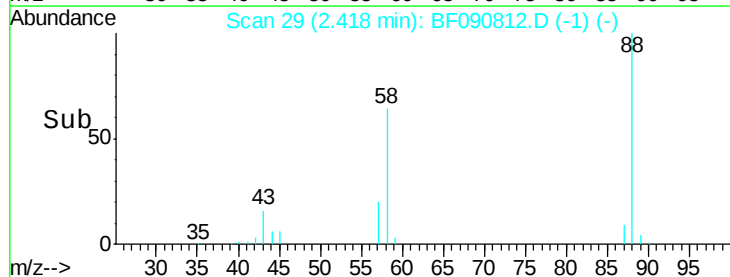
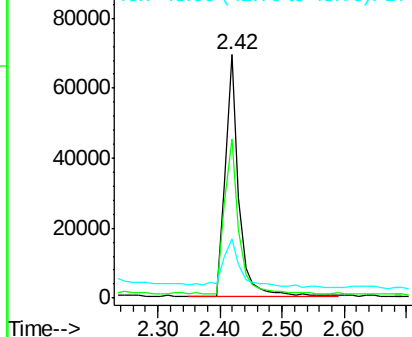
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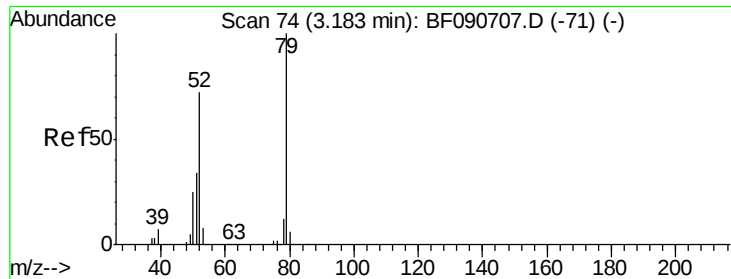
1,4-Dioxane
Concen: 11.99 ng
RT: 2.42 min Scan# 29
Delta R.T. 0.07 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.2	77.7	116.5
43	24.4	26.6	40.0



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: 11.41 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.08 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

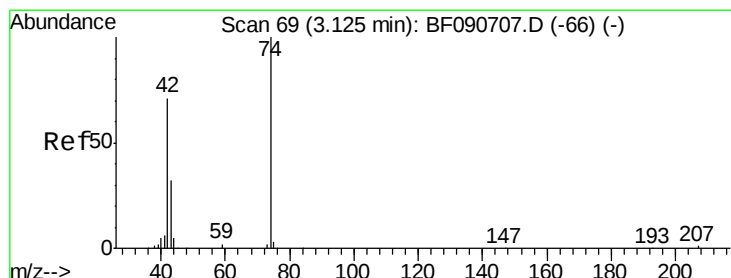
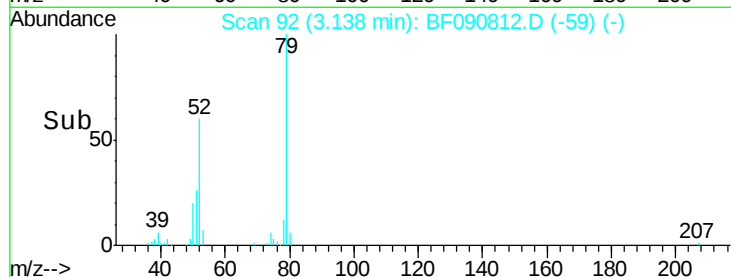
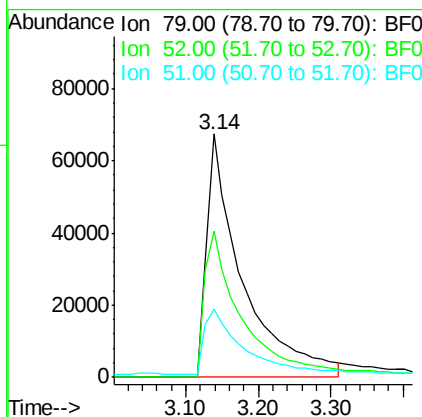
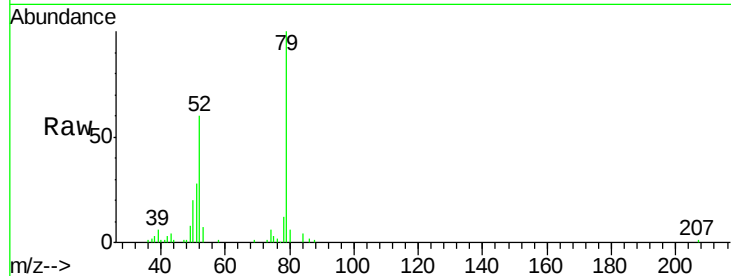
ClientSampleId :

MW-01S-101916MSD

Tot Ion:	79	Resp:	231521
Ion Ratio	Lower	Upper	
79	100		
52	60.3	76.8	115.2#
51	27.8	32.2	48.4#

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#4

n-Nitrosodimethylamine

Concen: 10.82 ng

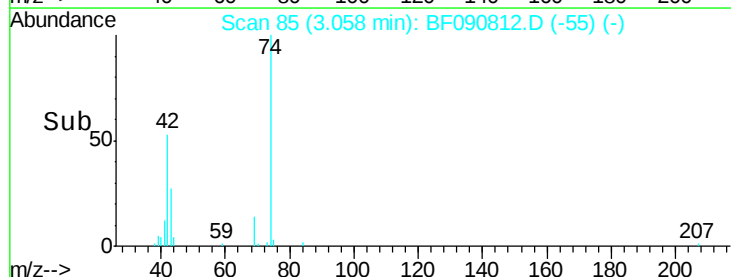
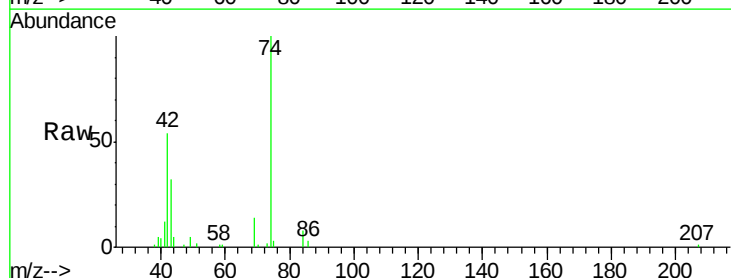
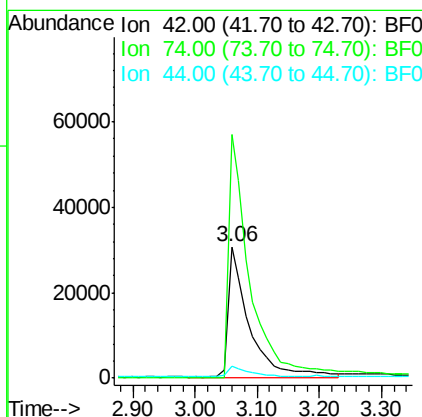
RT: 3.06 min Scan# 85

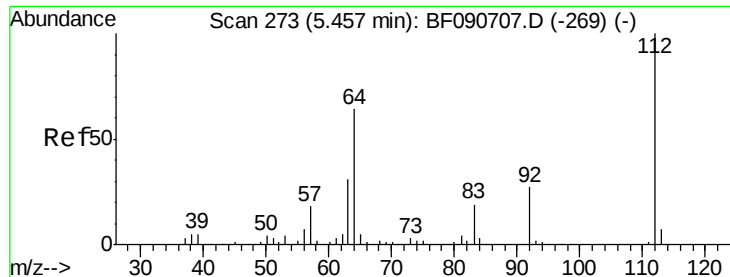
Delta R.T. 0.05 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion:	42	Resp:	75119
Ion Ratio	Lower	Upper	
42	100		
74	185.1	105.0	157.6#
44	9.3	6.6	10.0





#5

2-Fluorophenol

Concen: 54.01 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

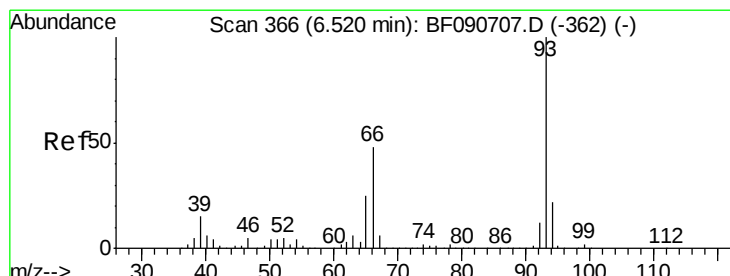
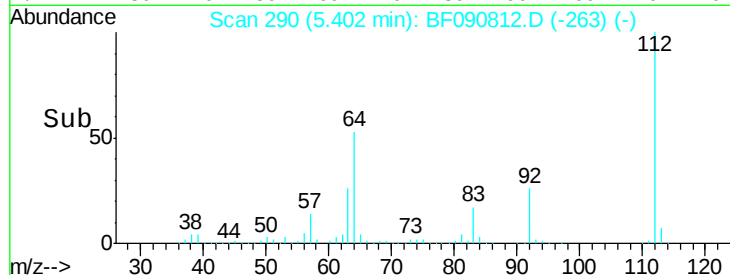
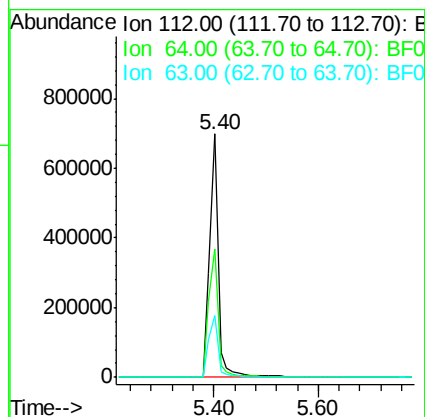
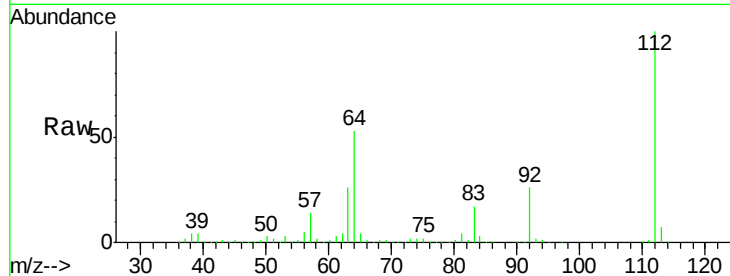
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	52.5	39.7	59.5
63	25.5	17.4	26.0

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#6

Aniline

Concen: 22.83 ng

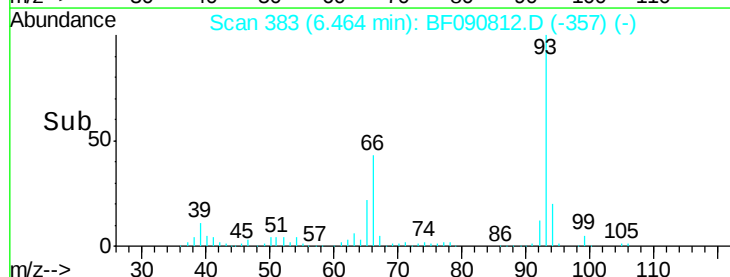
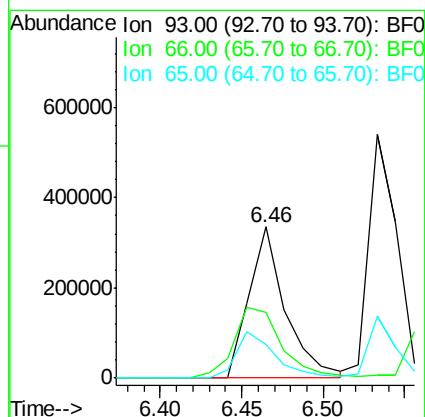
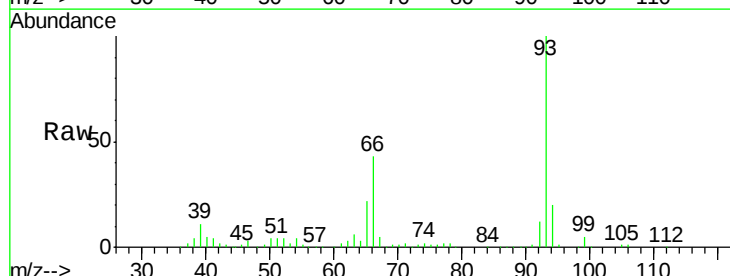
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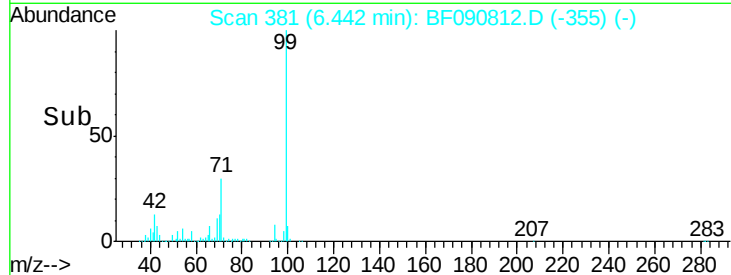
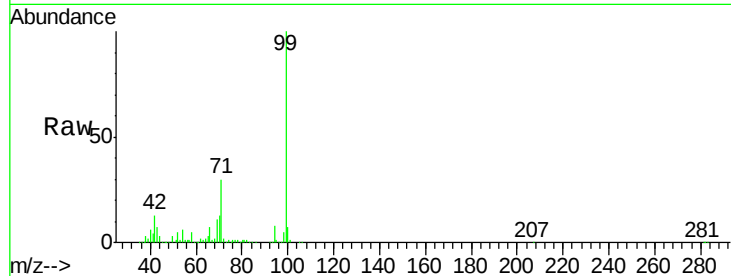
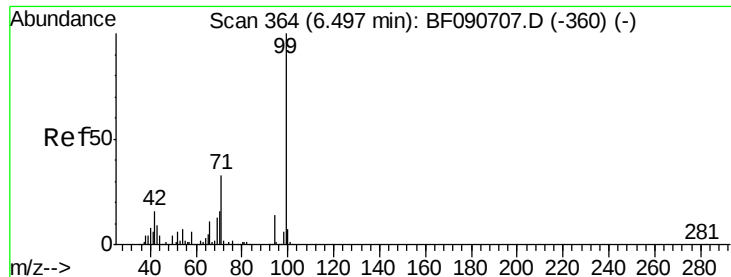
Delta R.T. 0.00 min

Lab File: BF090812.D

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Tgt Ion	Ratio	Lower	Upper
93	100		
66	43.0	27.2	40.8#
65	22.2	14.7	22.1#





#7

Phenol-d6

Concen: 32.54 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		659949		
42	13.0	13.7	20.5#		
71	30.0	14.2	21.2#		

Instrument :

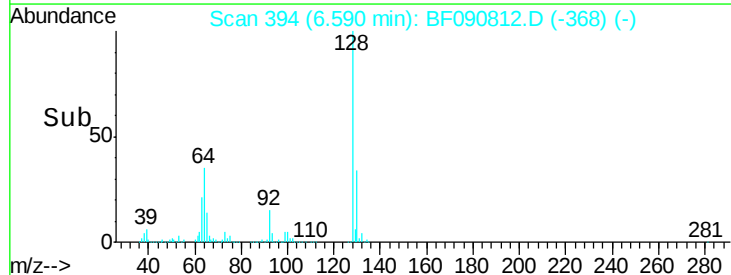
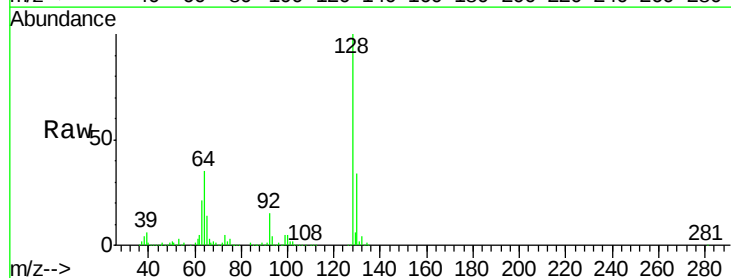
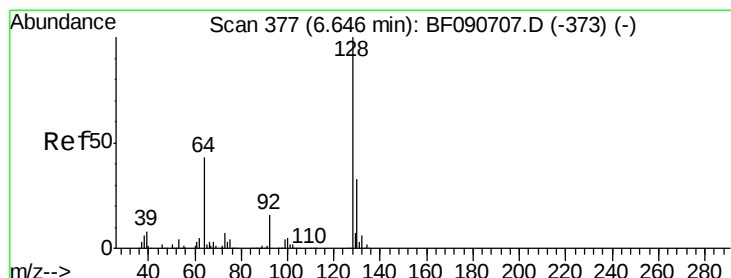
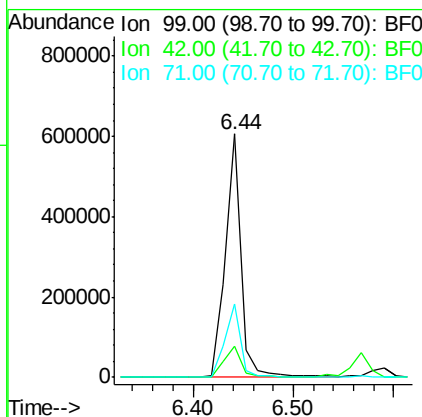
BNA_F

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MW-01S-101916MSD

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#8

2-Chlorophenol

Concen: 32.16 ng

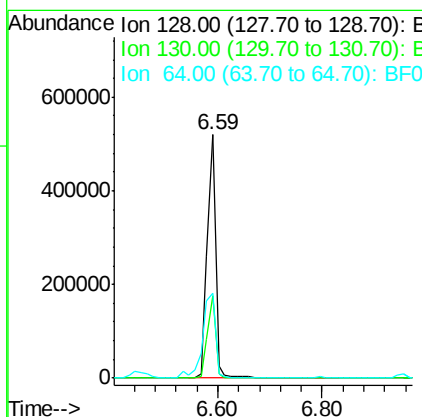
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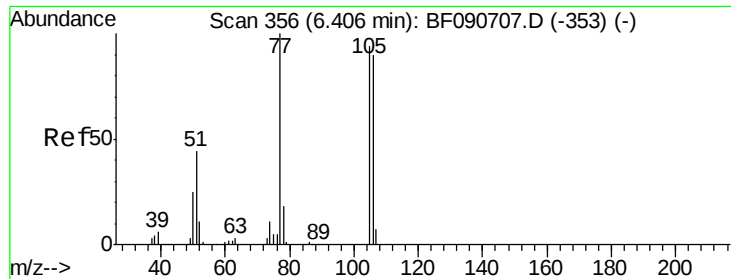
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		577952		
130	33.8	12.2	52.2		
64	34.7	20.5	60.5		





#9

Benzaldehyde

Concen: 10.07 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

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Instrument :

BNA_F

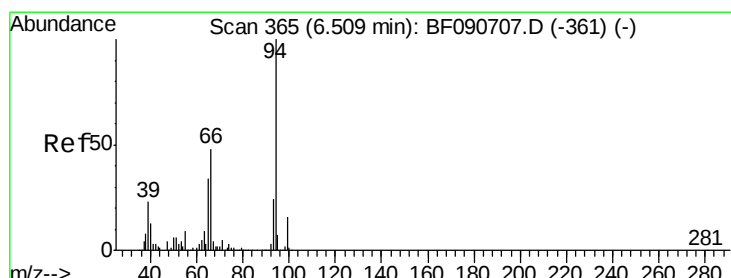
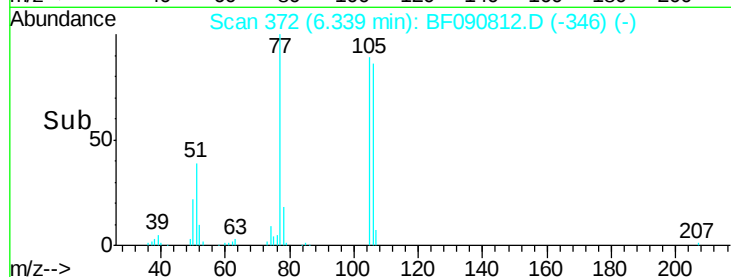
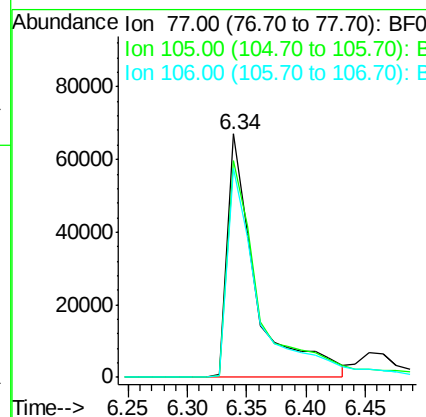
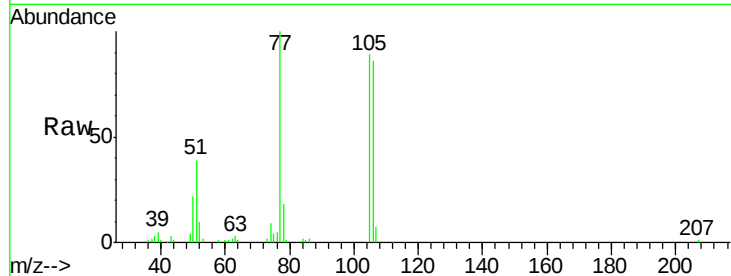
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	89.1	91.6	131.6#
106	85.9	102.6	142.6#

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#10

Phenol

Concen: 13.09 ng

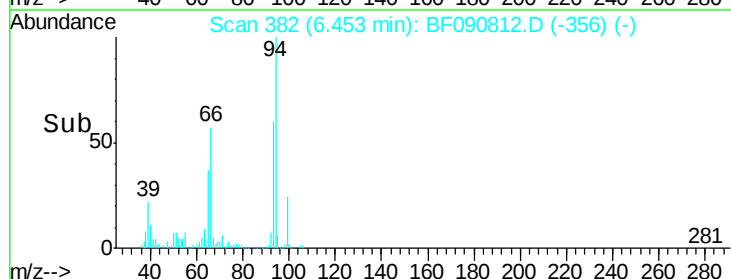
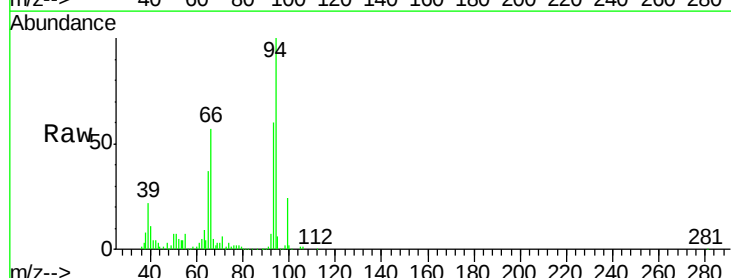
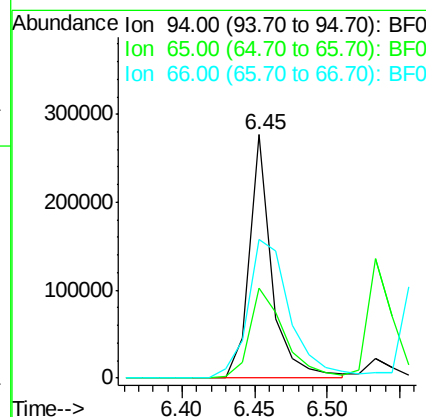
RT: 6.45 min Scan# 382

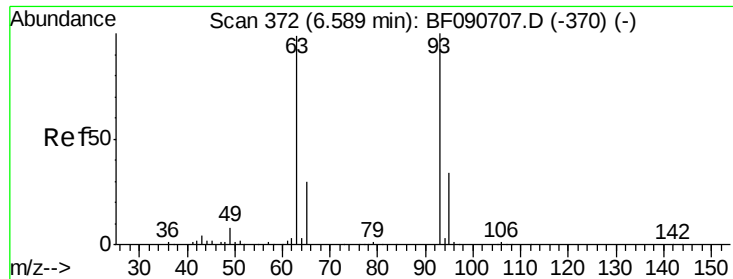
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.8	0.7	40.7
66	56.9	0.8	40.8#





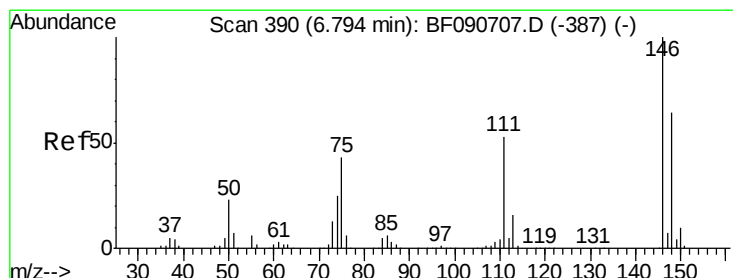
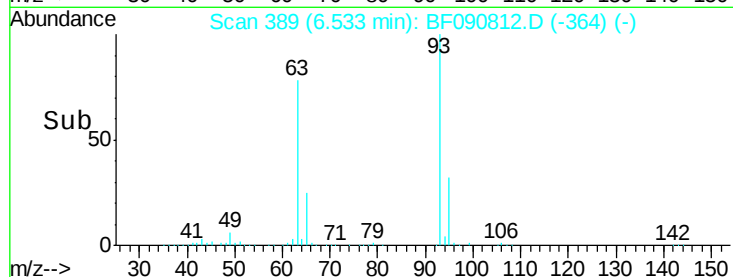
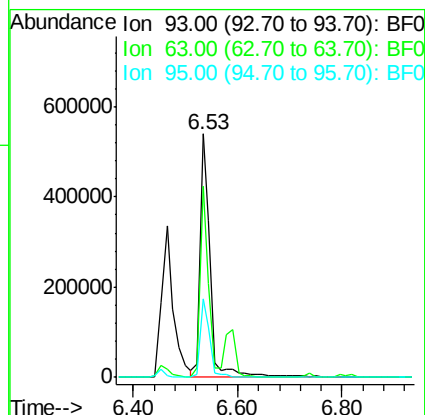
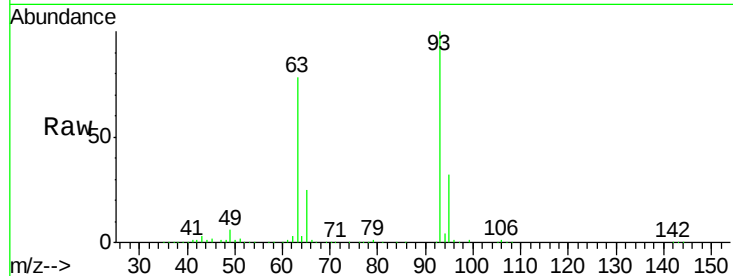
#11
bis(2-Chloroethyl)ether
Concen: 37.42 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.4	65.6	105.6
95	32.4	13.6	53.6

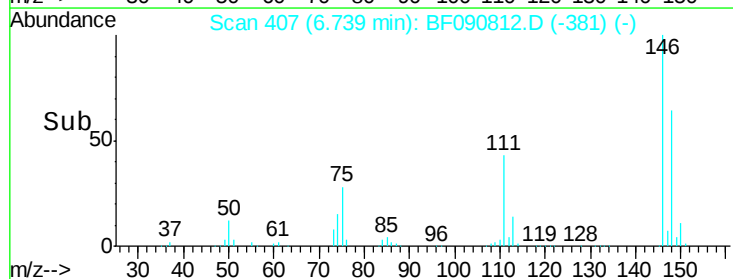
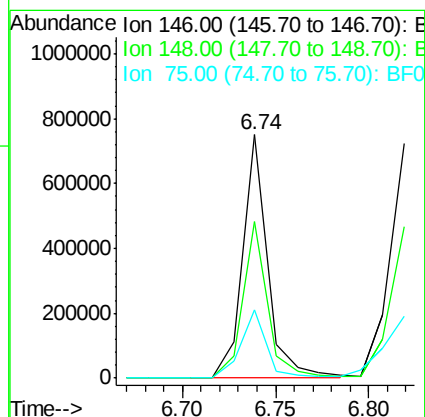
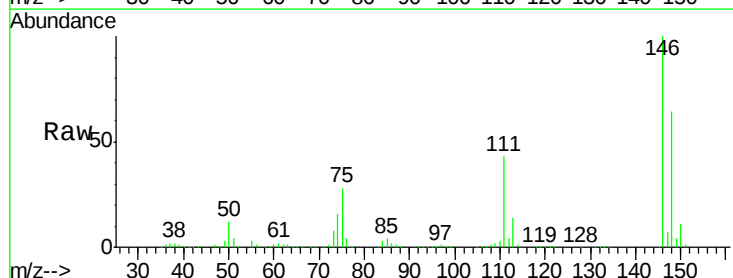
Manual Integrations
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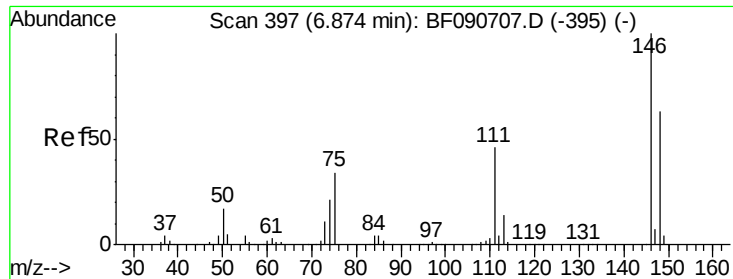
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#12
1,3-Dichlorobenzene
Concen: 38.85 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	28.2	15.0	22.6





#13

1,4-Dichlorobenzene

Concen: 38.46 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

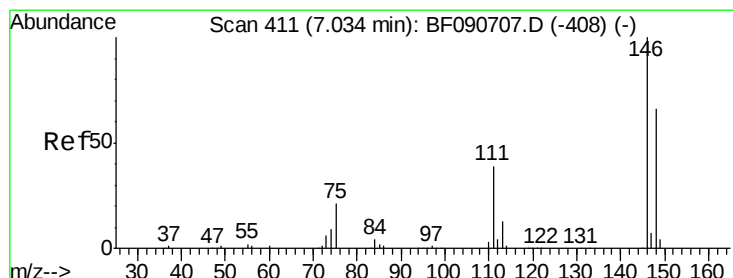
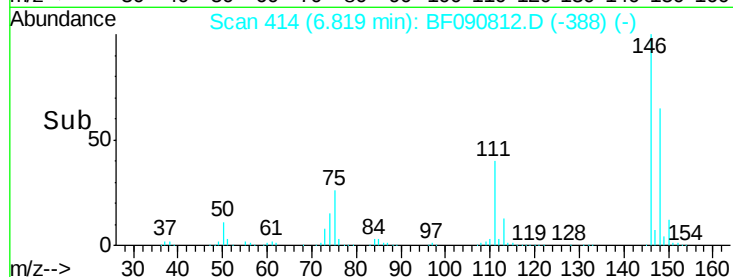
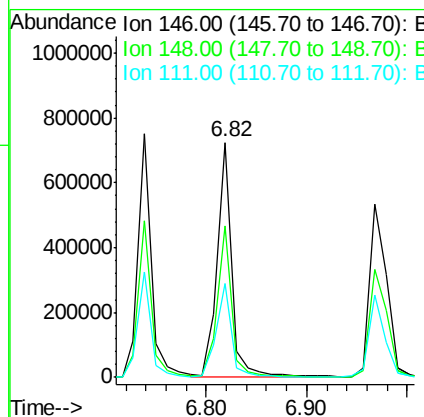
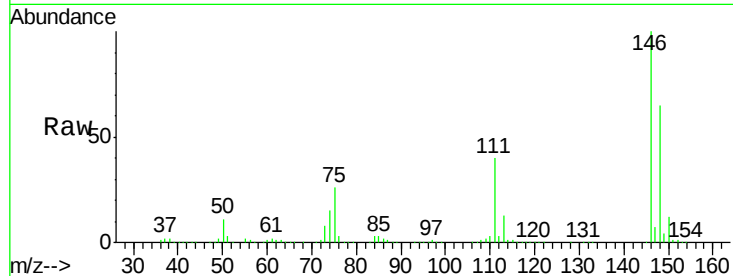
ClientSampleId :

MW-01S-101916MSD

Tot Ion:	146	Resp:	736504
Ion Ratio	Lower	Upper	
146	100		
148	64.7	51.8	77.6
111	39.7	24.9	37.3#

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#14

1,2-Dichlorobenzene

Concen: 33.76 ng m

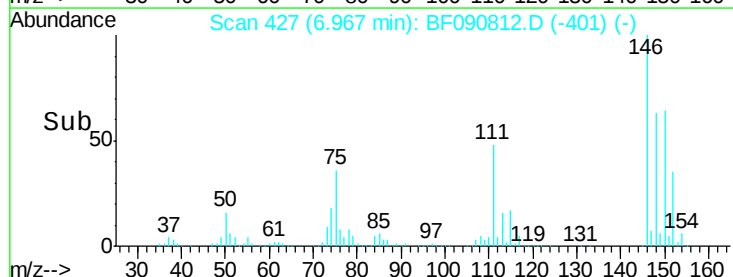
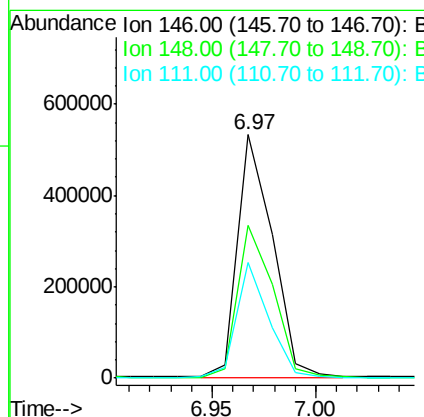
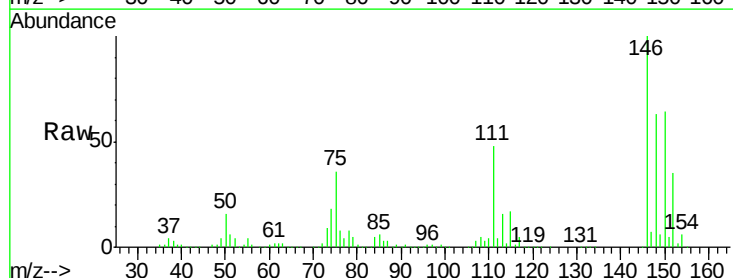
RT: 6.97 min Scan# 427

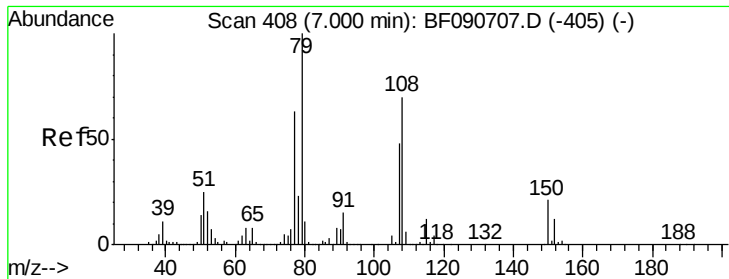
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion:	146	Resp:	632793
Ion Ratio	Lower	Upper	
146	100		
148	62.7	52.7	79.1
111	47.6	28.8	43.2#





#15

Benzyl Alcohol

Concen: 23.26 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

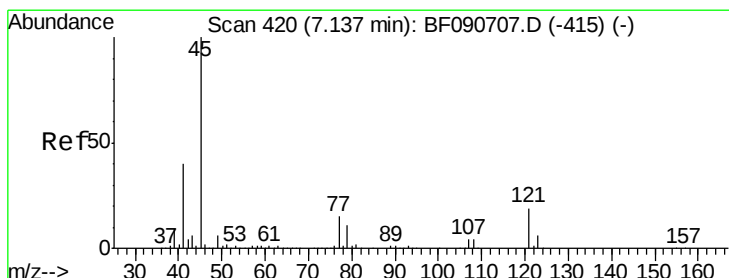
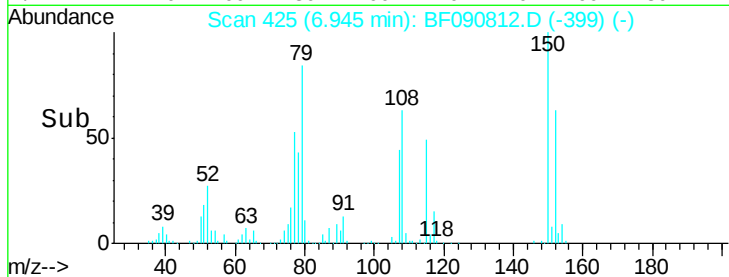
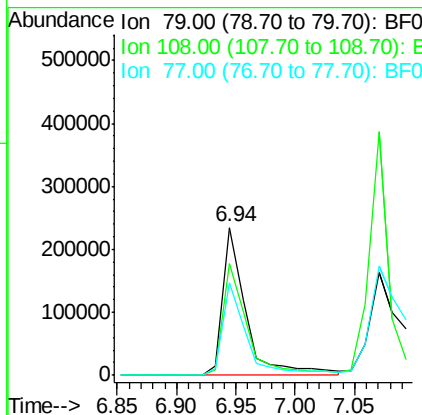
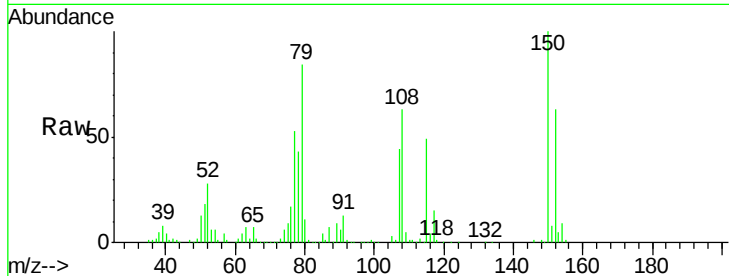
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.3	88.6	132.8#
77	63.0	47.0	70.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 26.14 ng

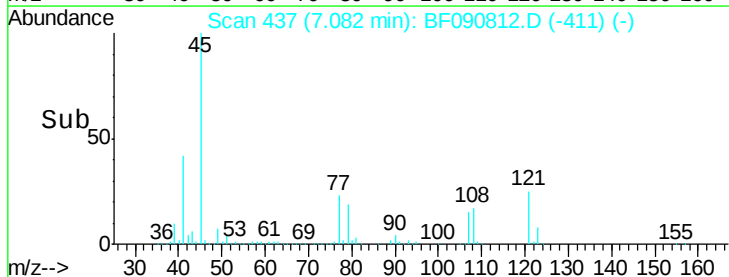
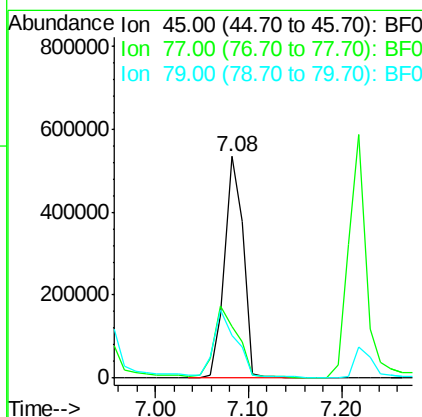
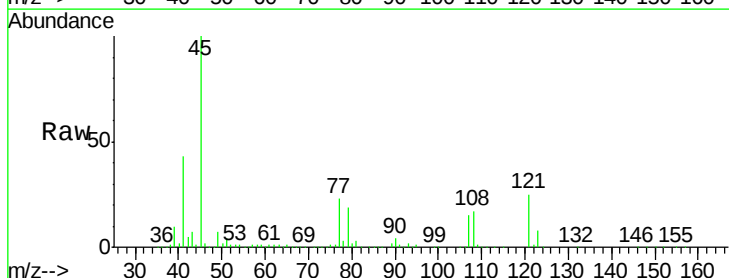
RT: 7.08 min Scan# 437

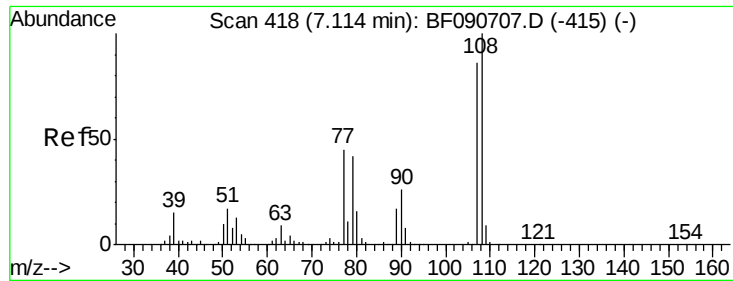
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
45	100		
77	23.4	0.0	28.1
79	19.0	0.0	26.0





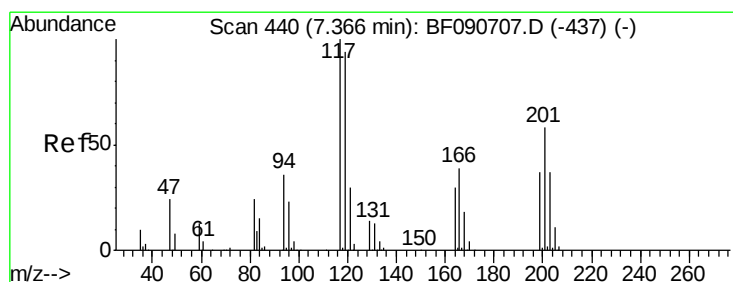
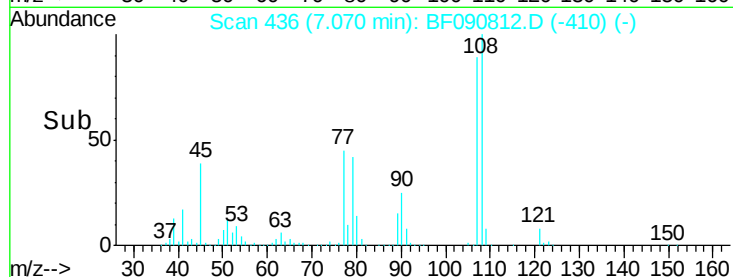
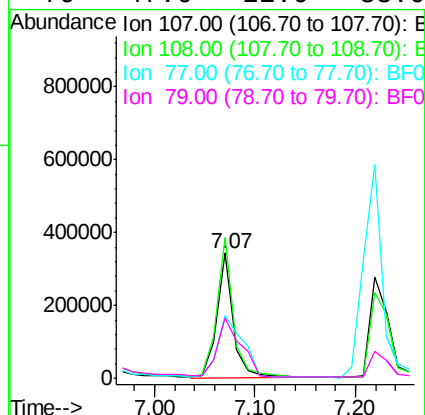
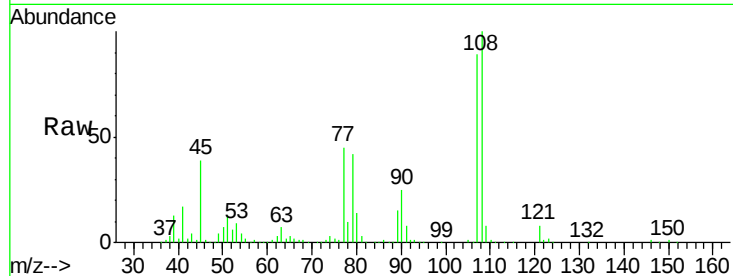
#17
2-Methylphenol
Concen: 28.75 ng
RT: 7.07 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	96.6	145.0	
77	50.5	23.3	34.9	
79	47.6	22.0	33.0	

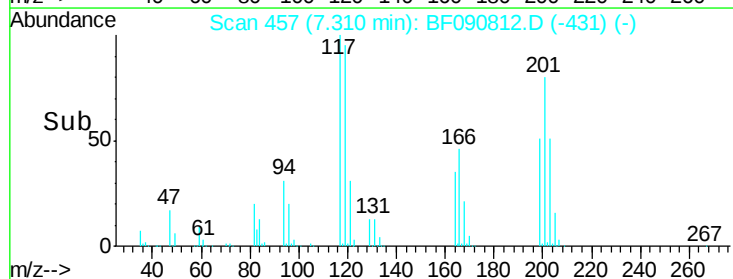
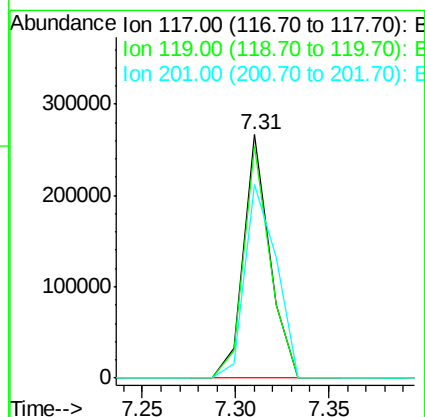
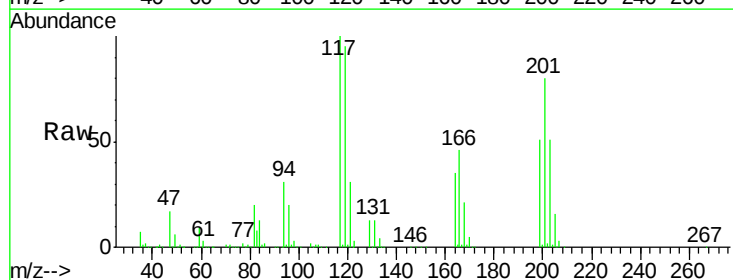
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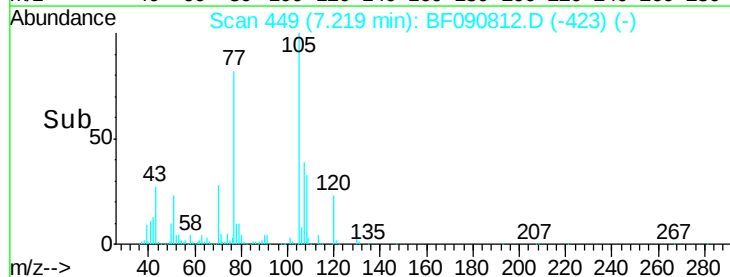
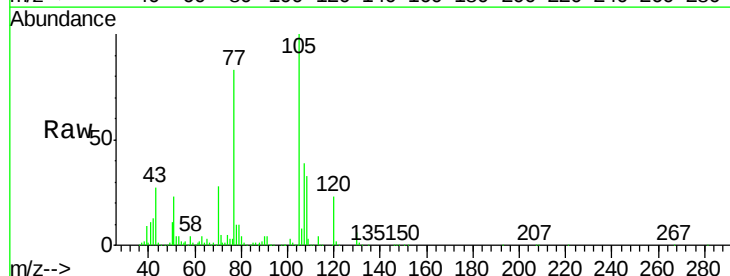
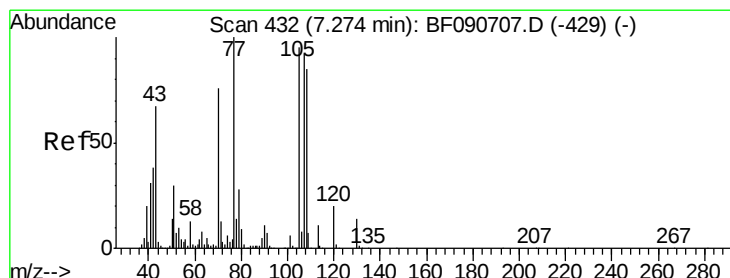
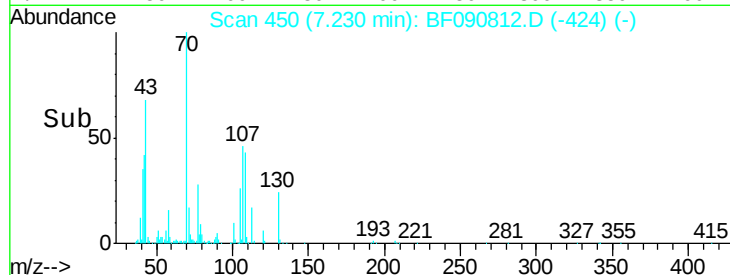
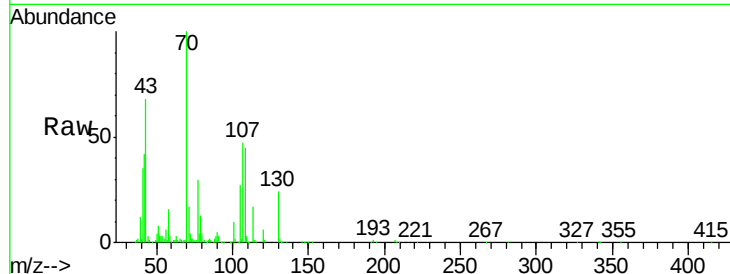
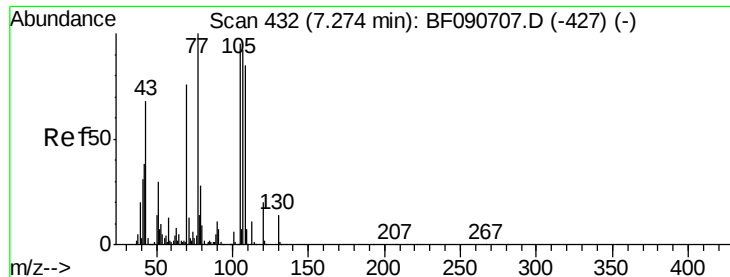
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#18
Hexachloroethane
Concen: 33.55 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	83.8	125.6	
201	79.6	55.1	82.7	





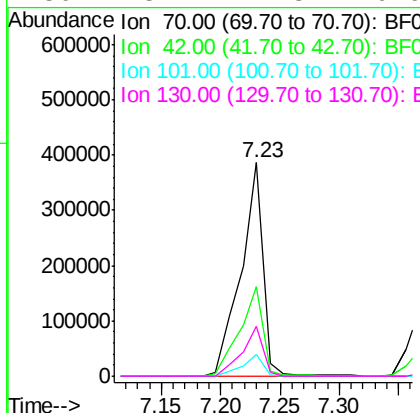
#19
n-Nitroso-di-n-propylamine
Concen: 33.44 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Resp Lower	Upper
70	100		
42	41.8	63.8	95.6#
101	10.3	9.2	13.8
130	23.7	27.3	40.9#

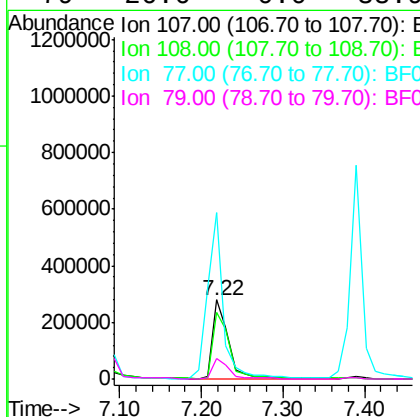
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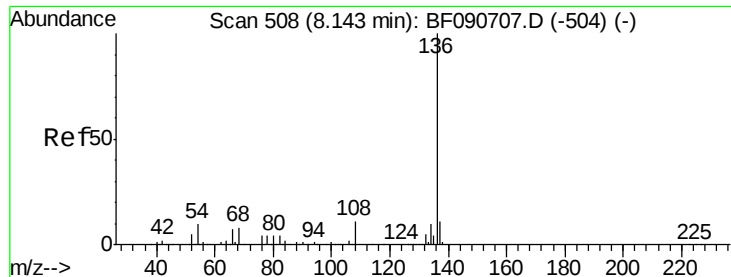
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#20
3+4-Methylphenols
Concen: 22.82 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	84.1	74.6	114.6
77	210.3	0.7	40.7#
79	26.6	0.0	38.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

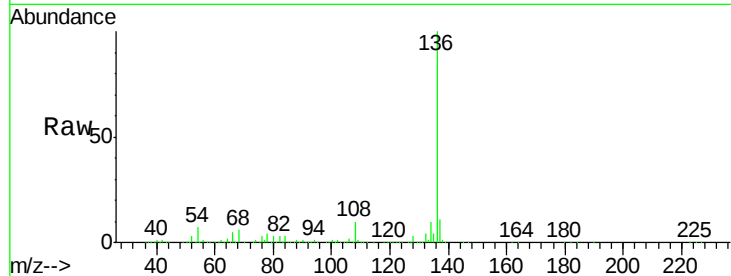
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.0	13.6	
54	6.9	8.2	12.2	
68	6.5	5.8	8.6	

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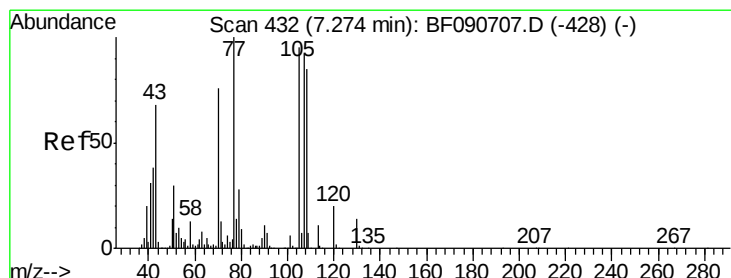
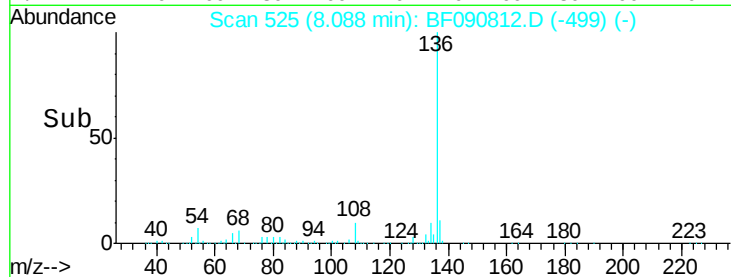
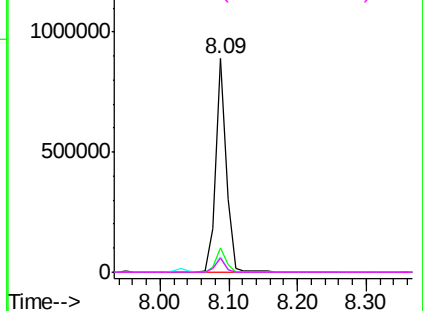


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.33 ng

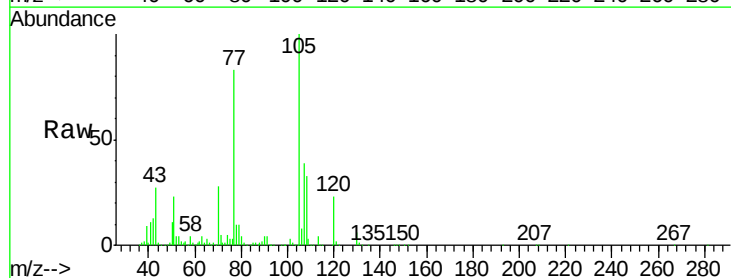
RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.8	4.7	7.1	
51	22.8	22.0	33.0	
120	22.7	30.1	45.1	

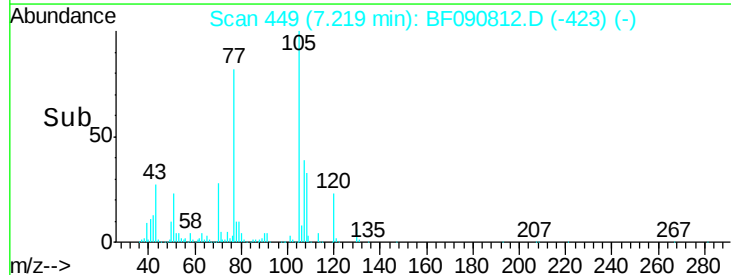
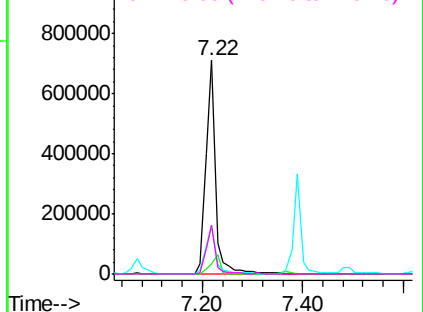


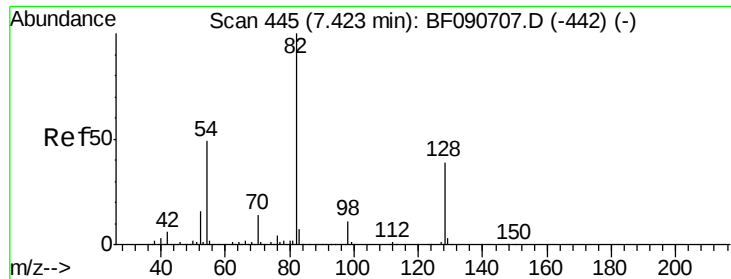
Abundance Ion 105.00 (104.70 to 105.70): E

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





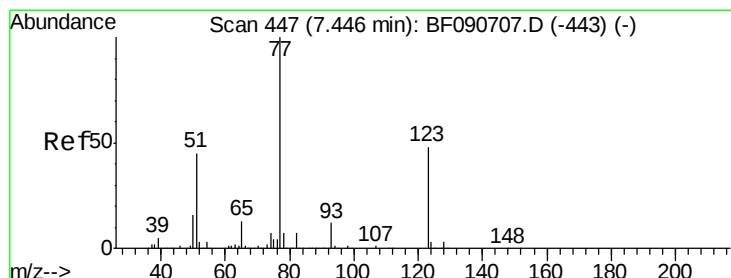
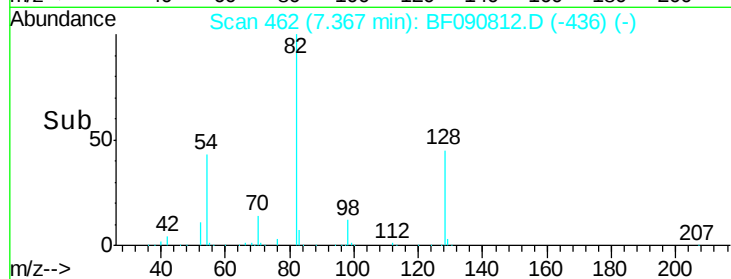
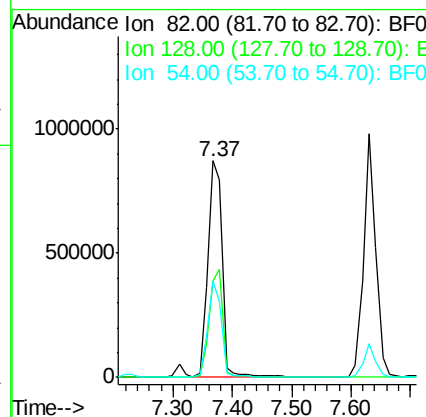
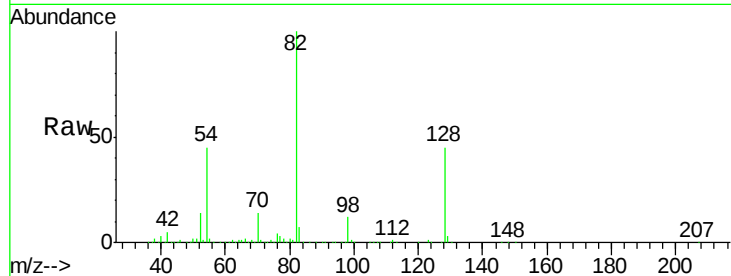
#23
 Nitrobenzene-d5
 Concen: 84.14 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	82	Resp	1498269
Ion Ratio	100		
Lower			
Upper			
82	100		
128	44.6	51.0	76.6#
54	44.8	47.5	71.3#

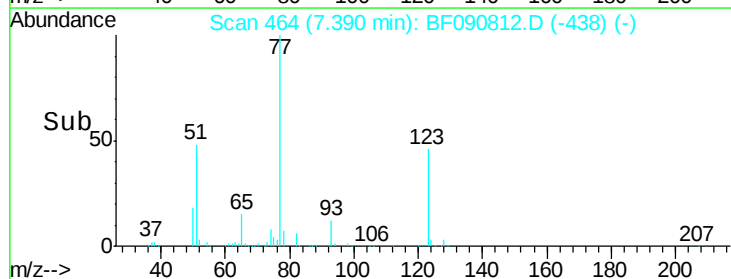
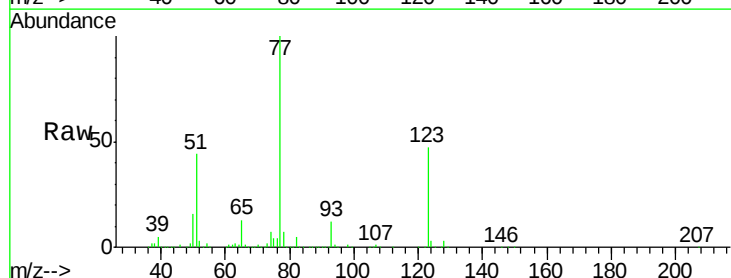
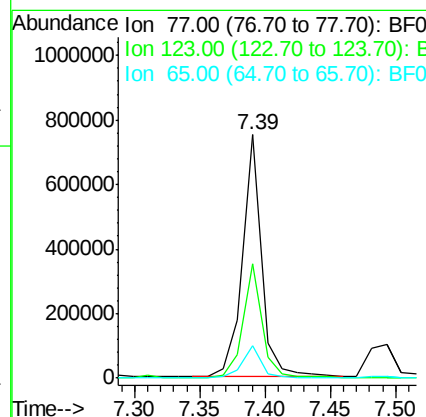
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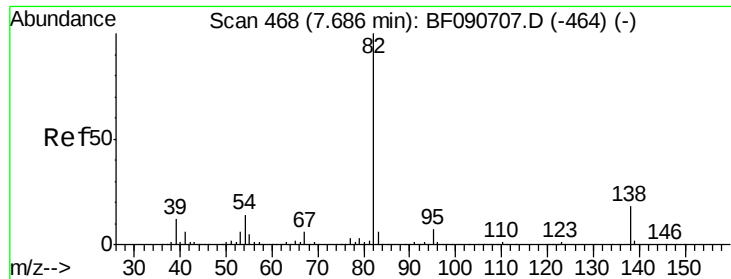
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#24
 Nitrobenzene
 Concen: 39.70 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	77	Resp	766261
Ion Ratio	100		
Lower			
Upper			
77	100		
123	46.8	59.8	89.8#
65	13.2	10.2	15.4





#25

Isophorone

Concen: 41.12 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion: 82 Resp: 1385929

Ion Ratio Lower Upper

82 100

95 6.8 4.0 6.0#

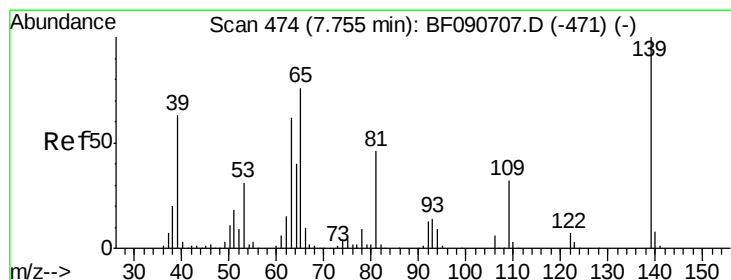
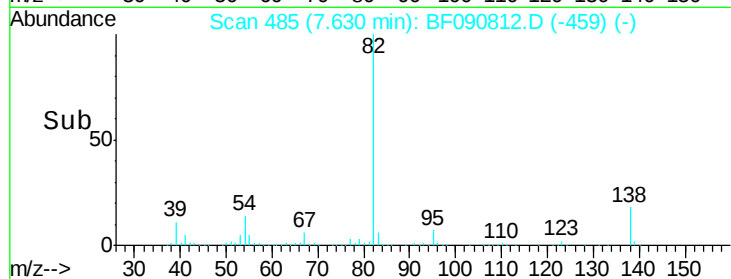
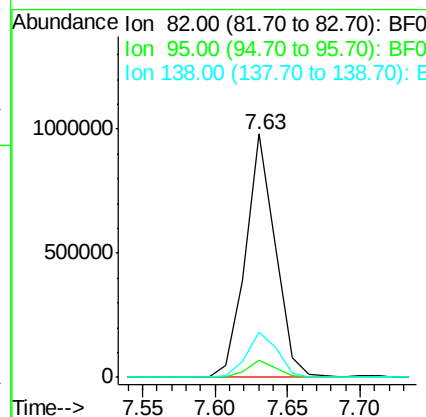
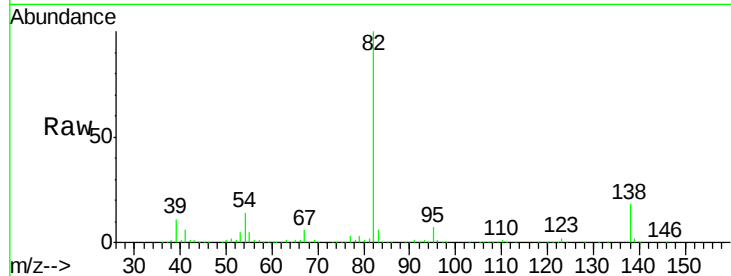
138 18.3 18.3 27.5#

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#26

2-Nitrophenol

Concen: 53.54 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

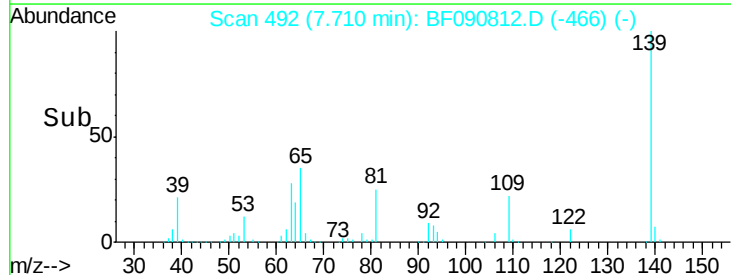
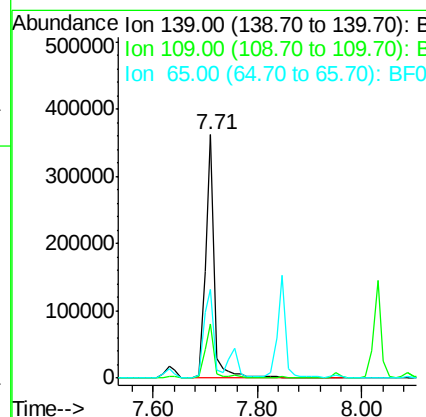
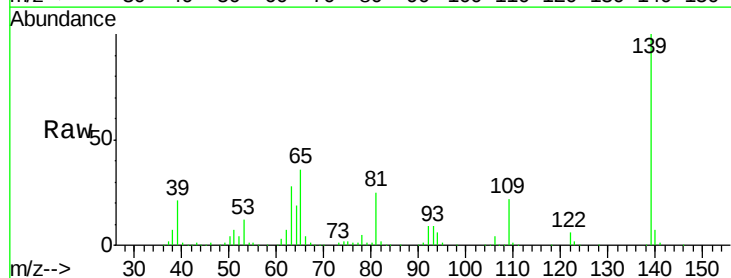
Tgt Ion: 139 Resp: 422198

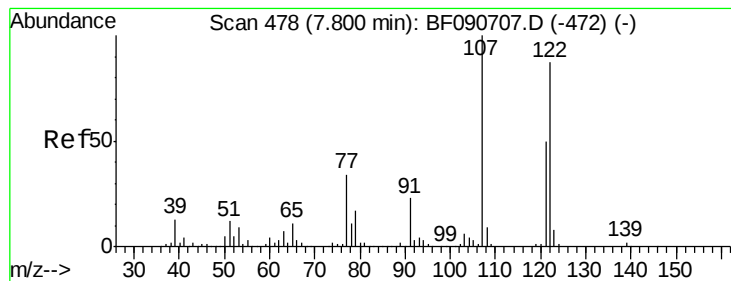
Ion Ratio Lower Upper

139 100

109 22.3 11.0 16.4#

65 36.2 24.7 37.1





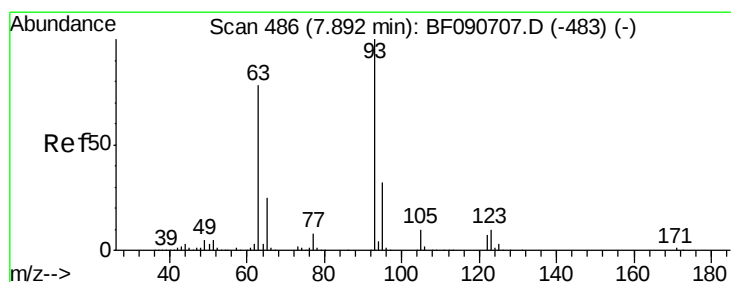
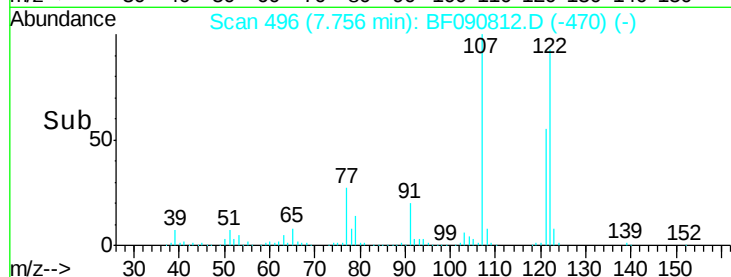
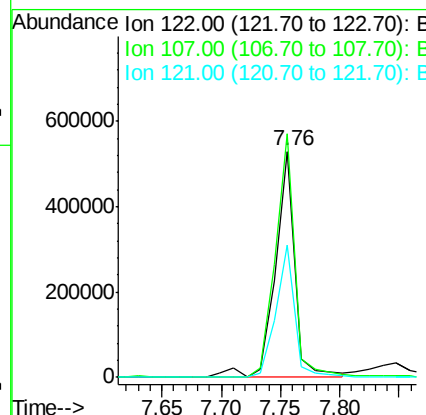
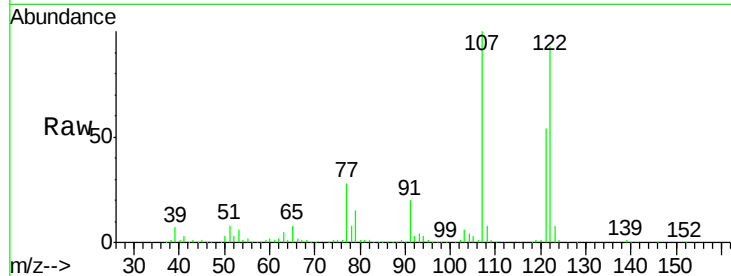
#27
 2,4-Dimethylphenol
 Concen: 43.74 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	107.8	71.8	107.6#
121	58.6	42.3	63.5

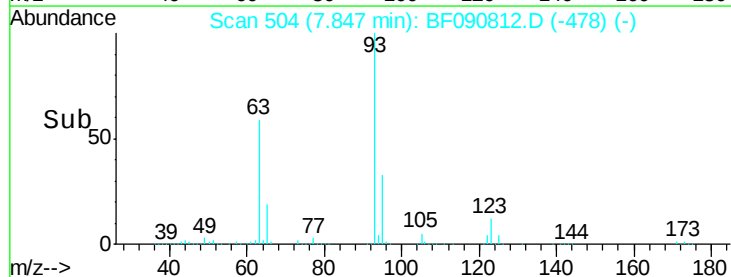
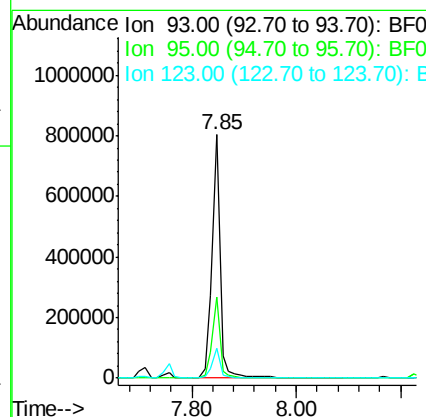
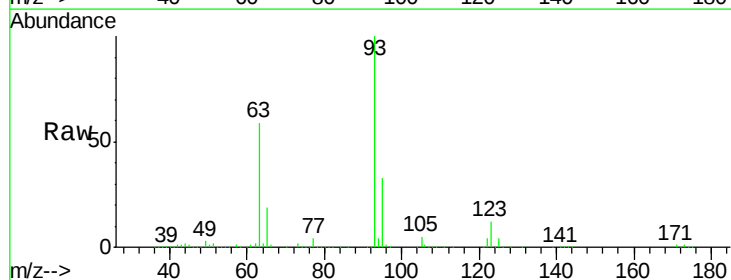
Manual Integrations
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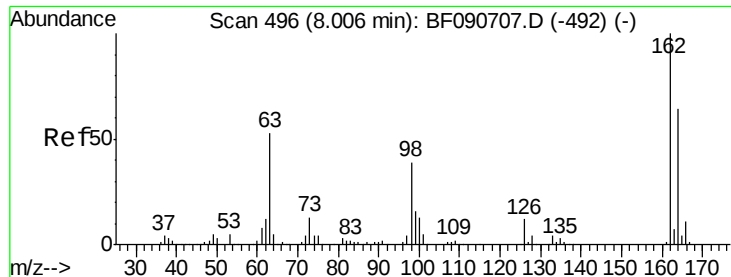
umangi
 10/26/2016 4:45:39 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.93 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	27.5	41.3
123	12.2	13.7	20.5#





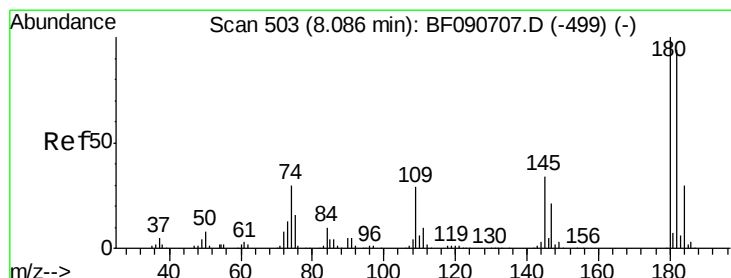
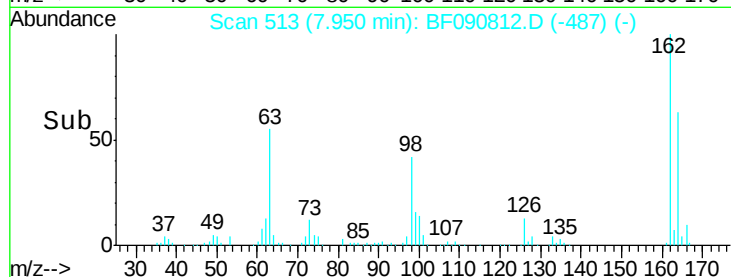
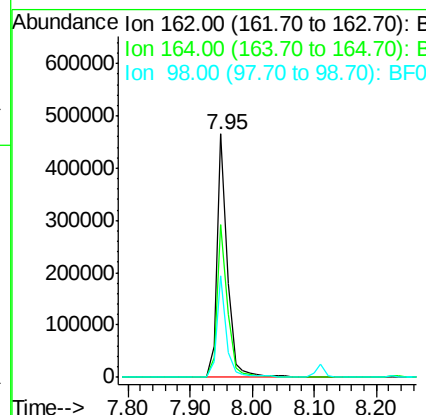
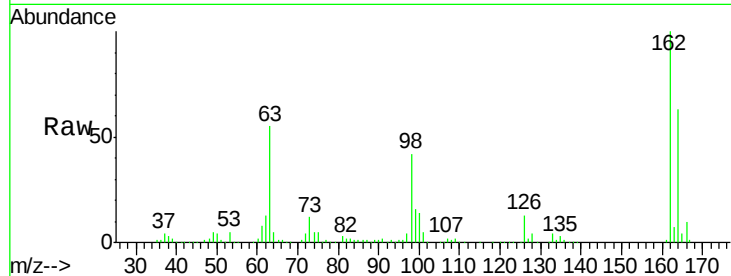
#29
 2,4-Dichlorophenol
 Concen: 46.69 ng
 RT: 7.95 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.8	44.9	84.9
98	41.8	13.0	53.0

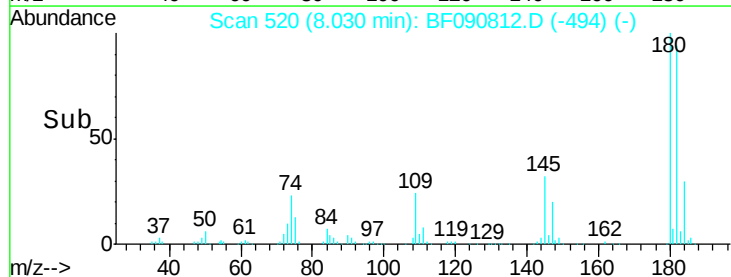
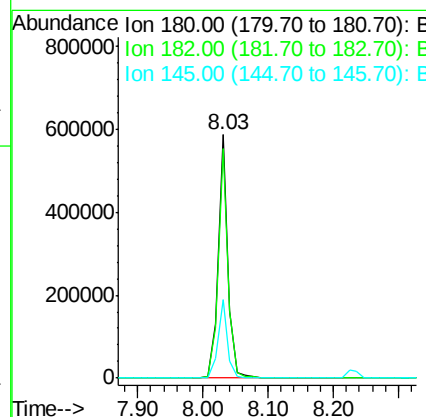
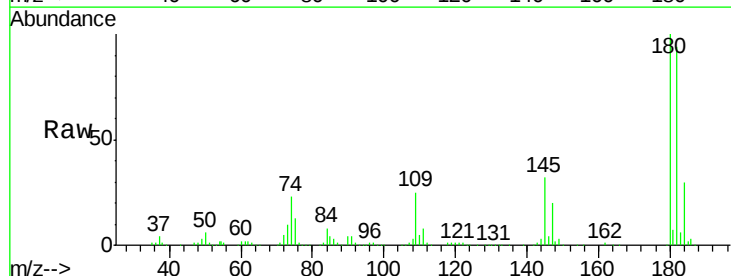
Manual Integrations
 APPROVED

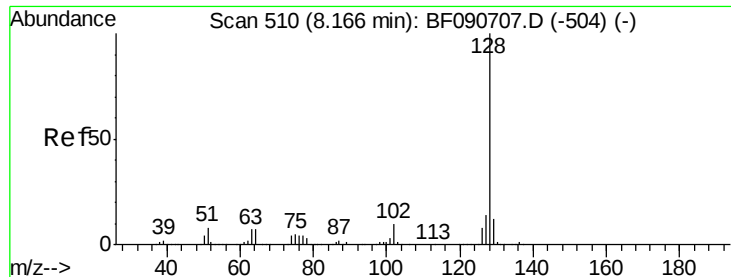
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#30
 1,2,4-Trichlorobenzene
 Concen: 46.65 ng
 RT: 8.03 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.2	77.1	115.7
145	32.2	23.3	34.9





#31

Naphthalene

Concen: 40.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:128 Resp: 1910989

Ion Ratio Lower Upper

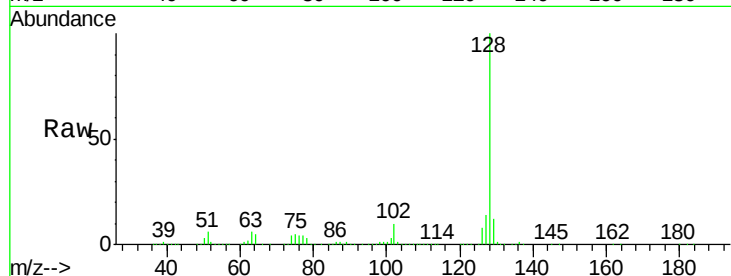
128 100

129 11.9 8.4 12.6

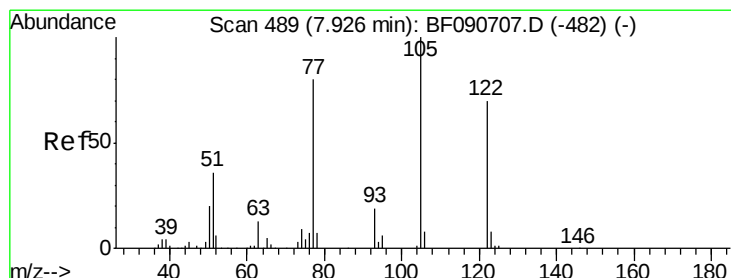
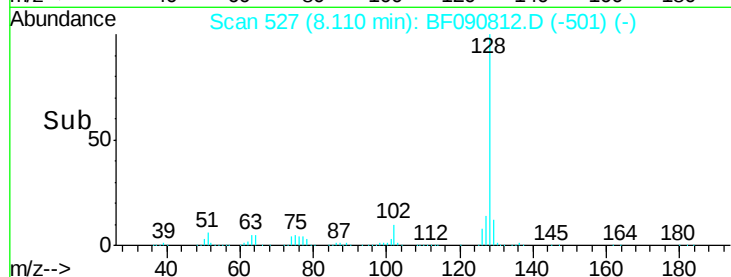
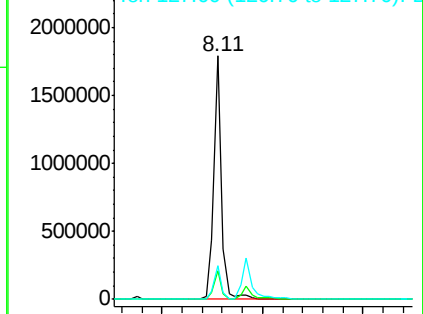
127 13.9 9.9 14.9

Manual Integrations
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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: 15.59 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.06 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

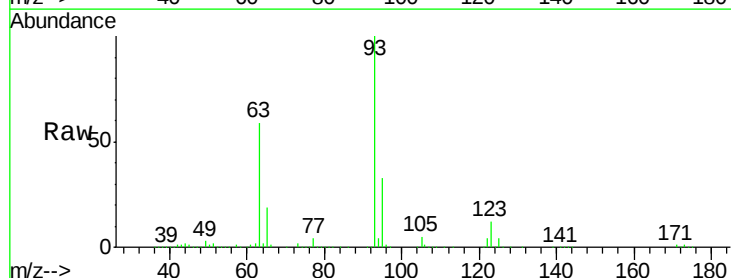
Tgt Ion:122 Resp: 94035

Ion Ratio Lower Upper

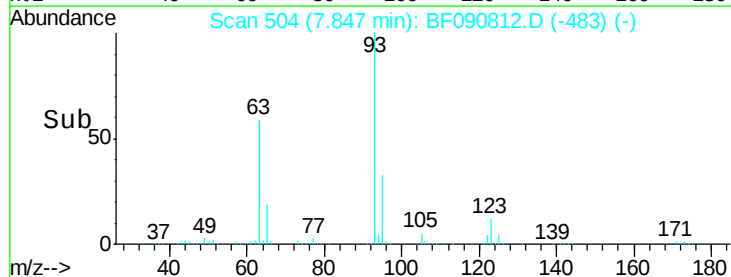
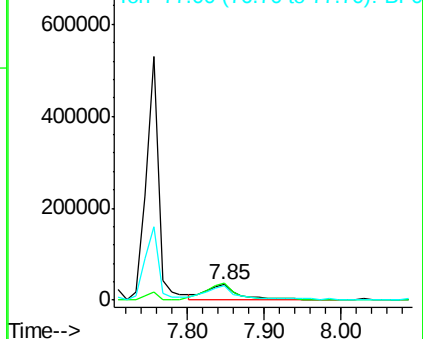
122 100

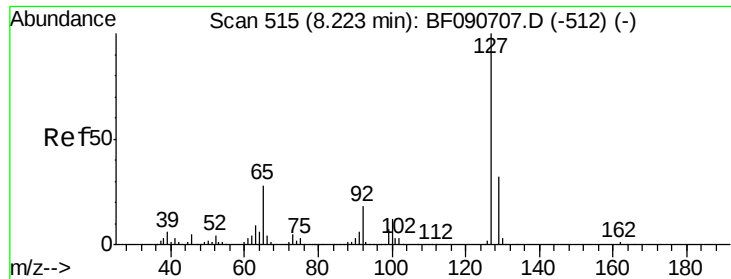
105 113.7 76.1 116.1

77 89.8 40.5 80.5#



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





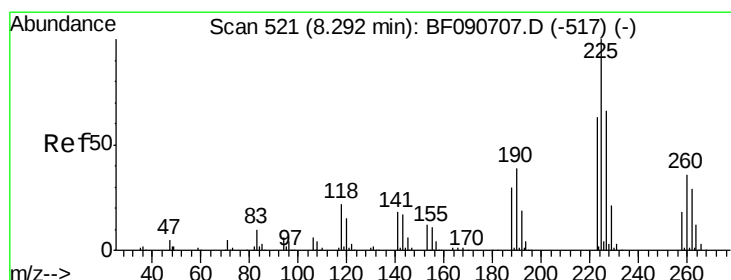
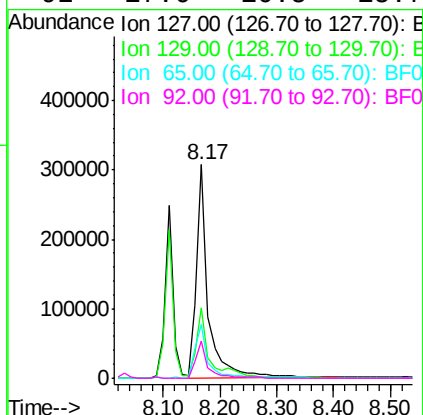
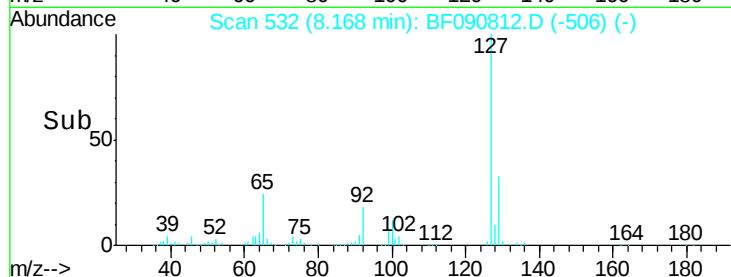
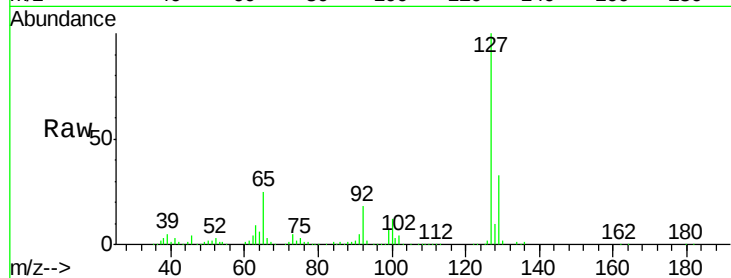
#33
4-Chloroaniline
Concen: 24.95 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		442095		
129	32.9	25.8	38.6		
65	25.3	17.9	26.9		
92	17.6	10.5	15.7		

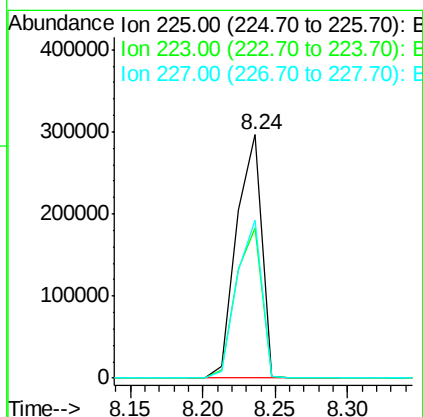
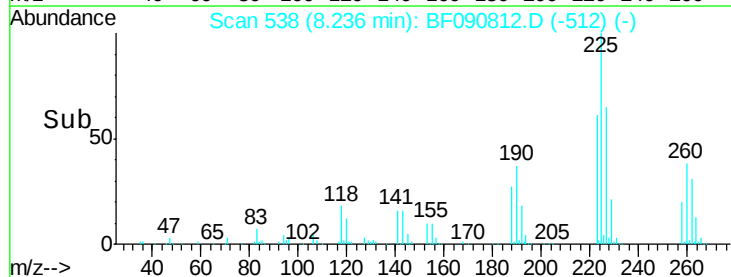
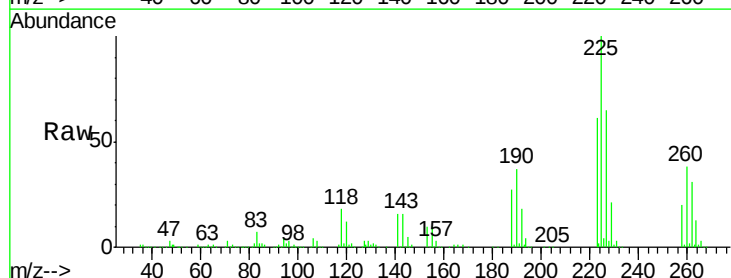
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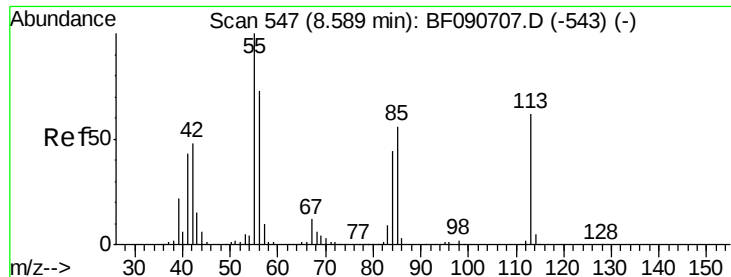
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#34
Hexachlorobutadiene
Concen: 46.96 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		356602		
223	61.5	50.2	75.2		
227	65.0	52.2	78.2		





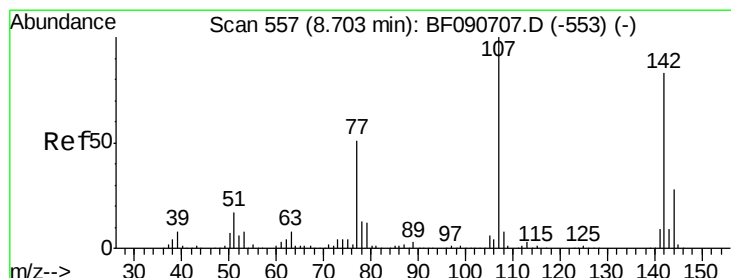
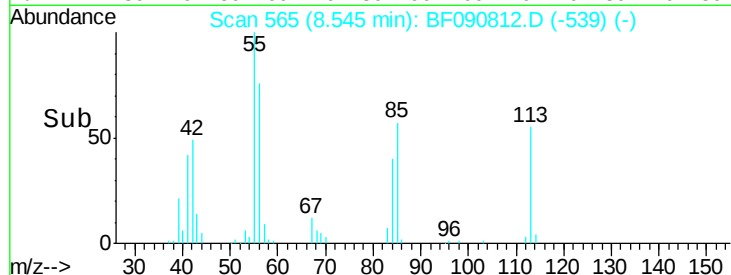
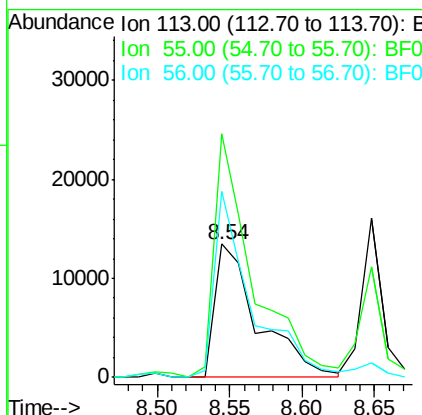
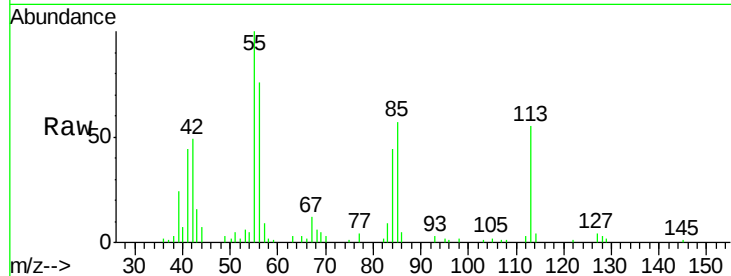
#35
 Caprolactam
 Concen: 8.50 ng
 RT: 8.54 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	182.5	152.4	192.4
56	139.0	104.6	144.6

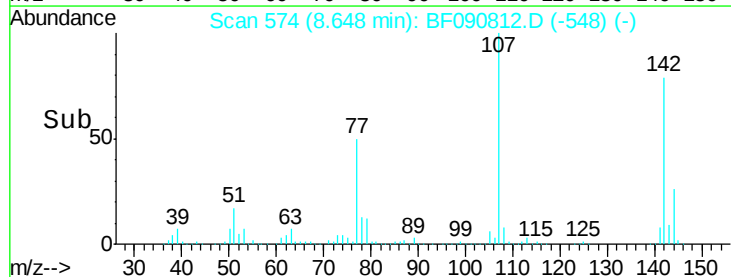
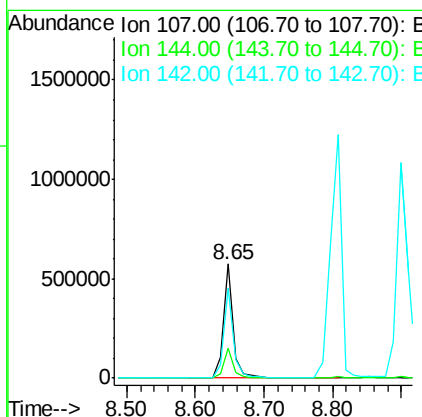
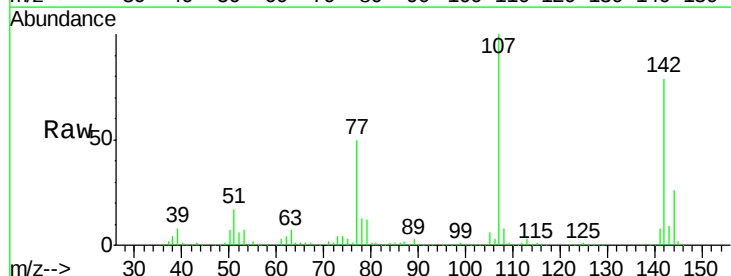
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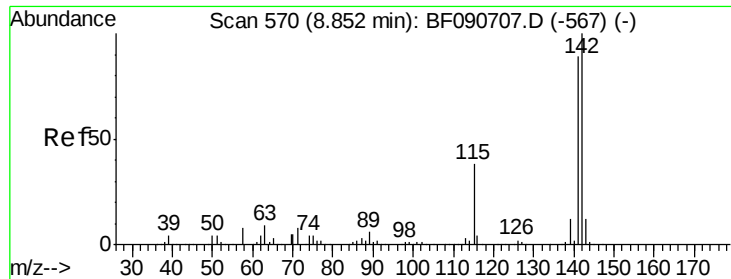
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#36
 4-Chloro-3-methylphenol
 Concen: 43.41 ng
 RT: 8.65 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	25.4	38.0
142	78.9	77.3	115.9





#37

2-Methylnaphthalene

Concen: 50.51 ng

RT: 8.81 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:142 Resp: 1410213

Ion Ratio Lower Upper

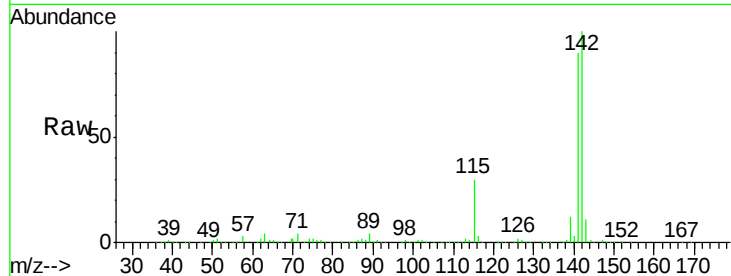
142 100

141 89.5 67.5 101.3

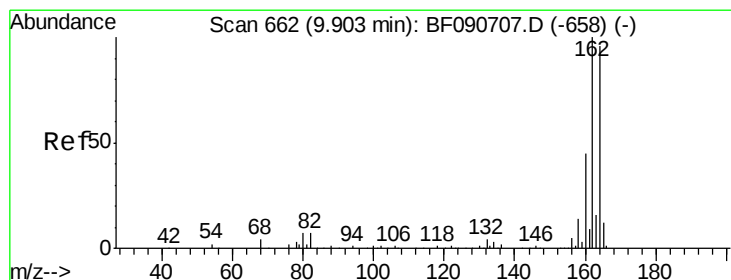
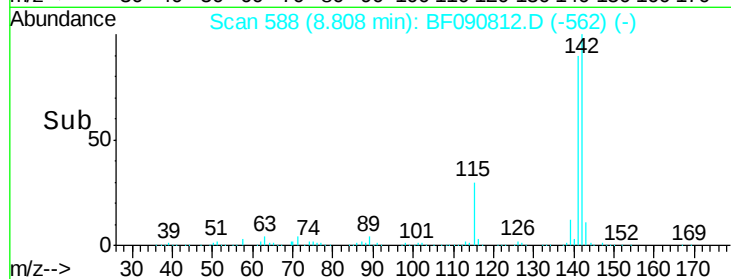
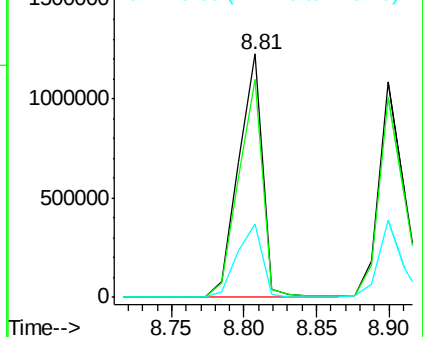
115 30.2 18.2 27.2#

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

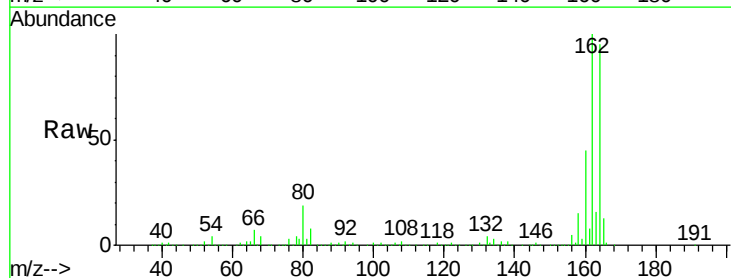
Tgt Ion:164 Resp: 549770

Ion Ratio Lower Upper

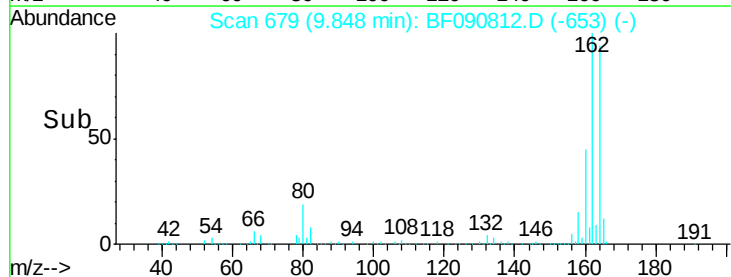
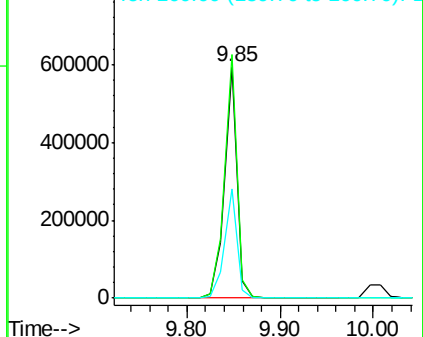
164 100

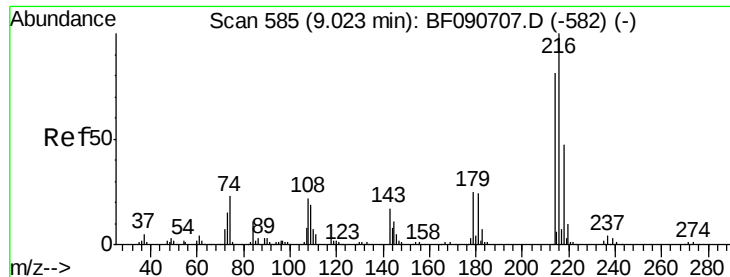
162 105.5 75.2 112.8

160 47.3 31.5 47.3



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





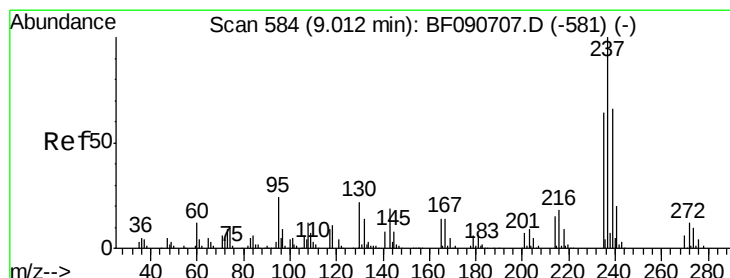
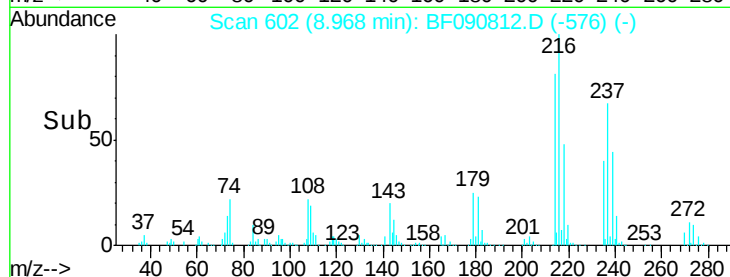
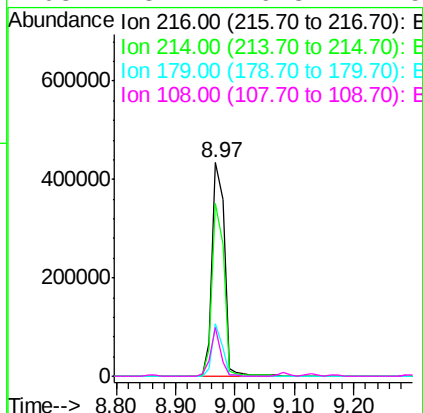
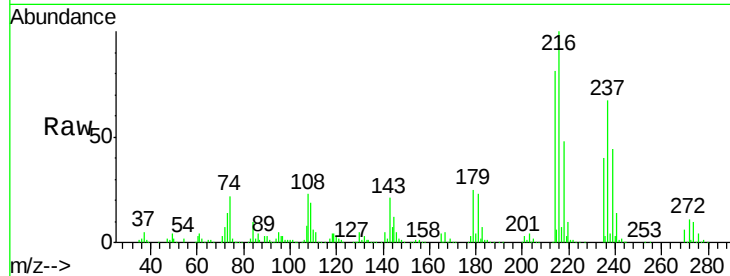
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.94 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		622670		
214	78.4		63.5	95.3	
179	21.1		16.6	24.8	
108	18.4		16.3	24.5	

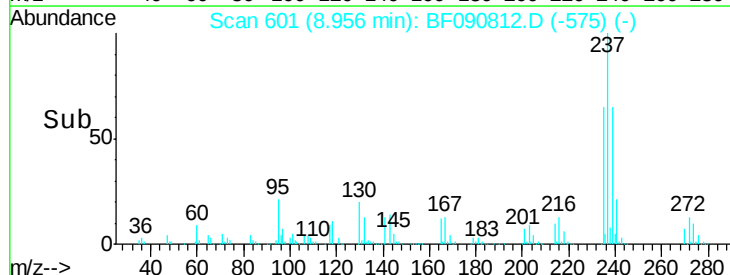
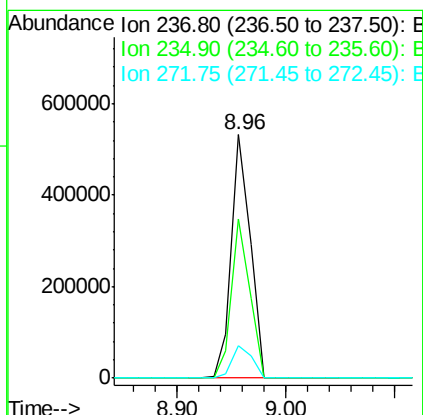
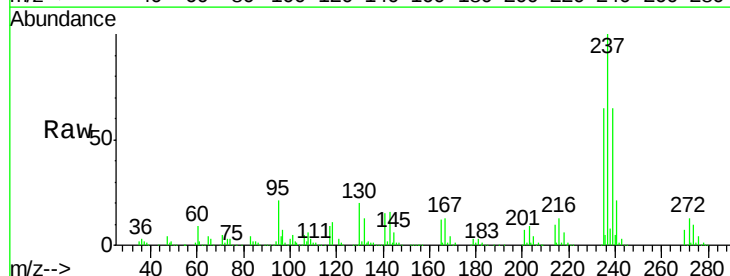
Manual Integrations
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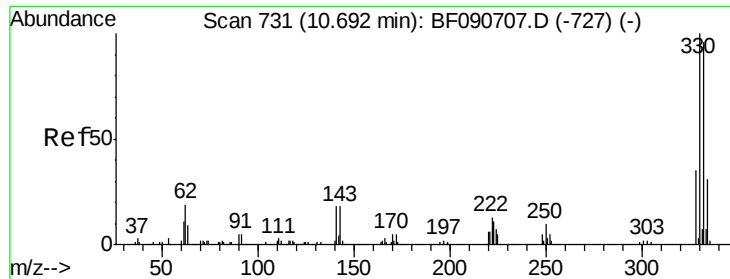
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#40
 Hexachlorocyclopentadiene
 Concen: 91.08 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		634731		
235	65.5		42.0	82.0	
272	13.1		0.0	36.1	





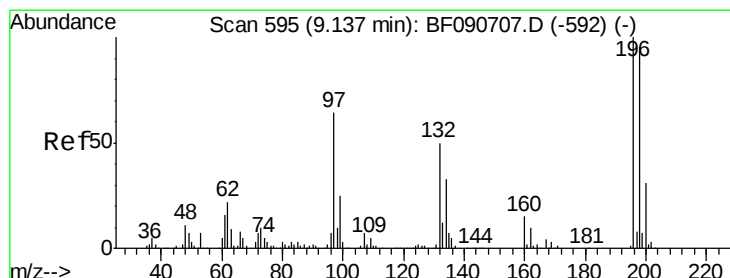
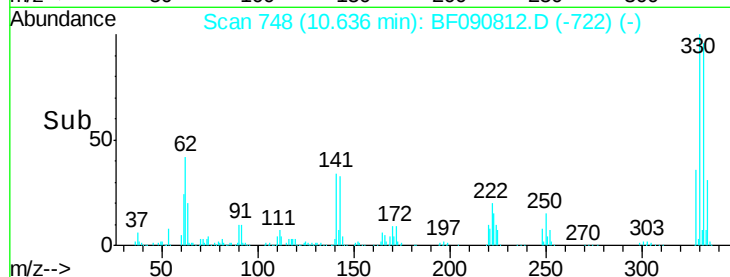
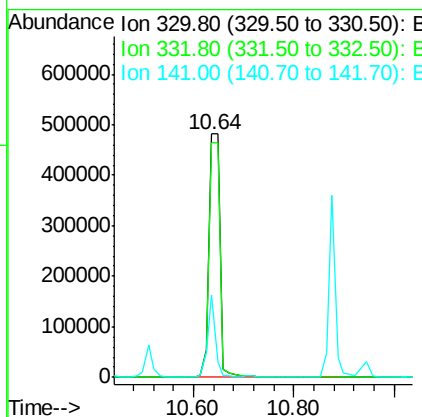
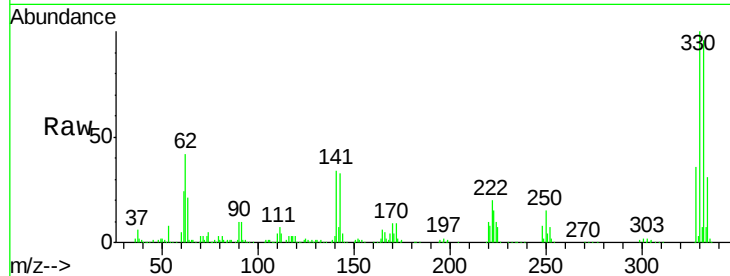
#41
 2,4,6-Tribromophenol
 Concen: 169.79 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	23.3	29.7	44.5

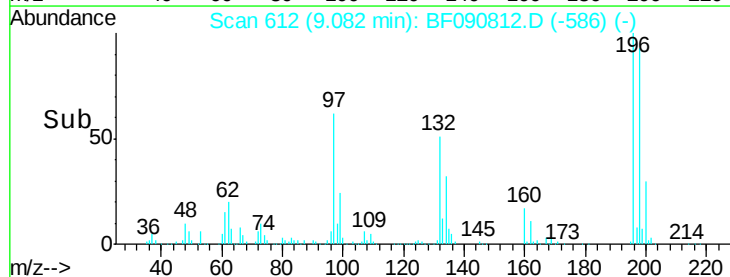
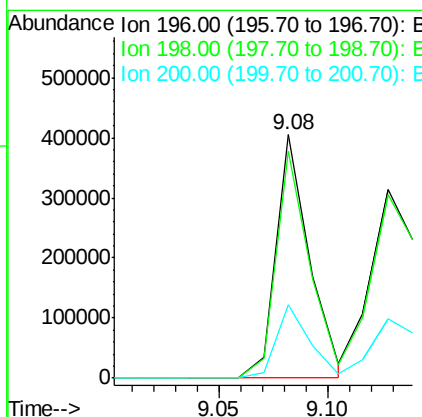
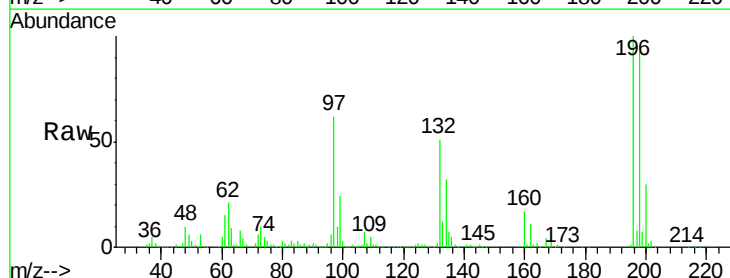
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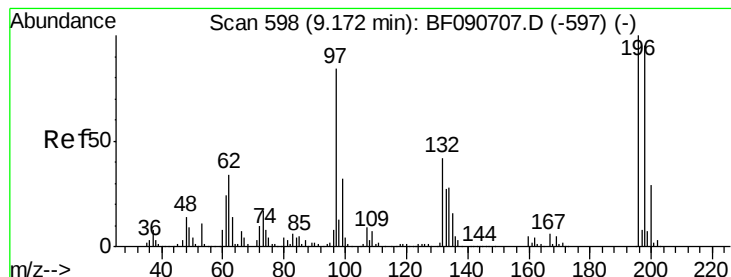
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#42
 2,4,6-Trichlorophenol
 Concen: 47.20 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.1	75.7	113.5
200	29.9	23.9	35.9





#43

2,4,5-Trichlorophenol

Concen: 52.22 ng

RT: 9.13 min Scan# 616

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

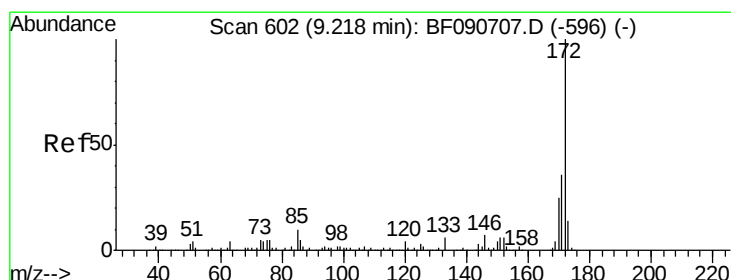
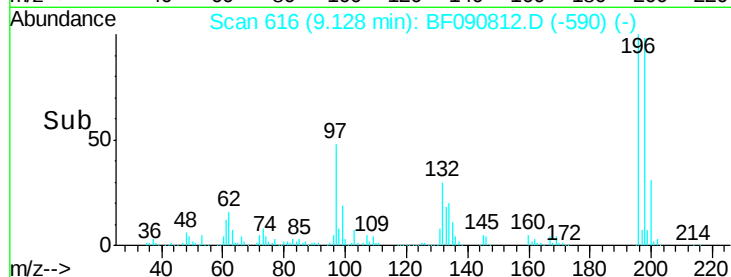
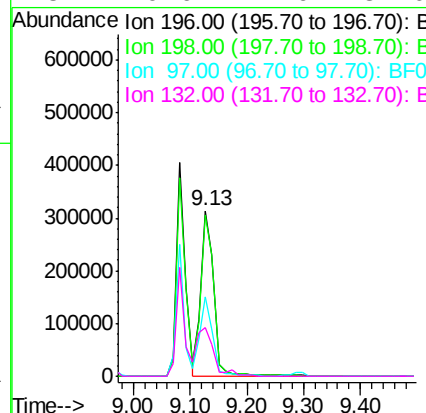
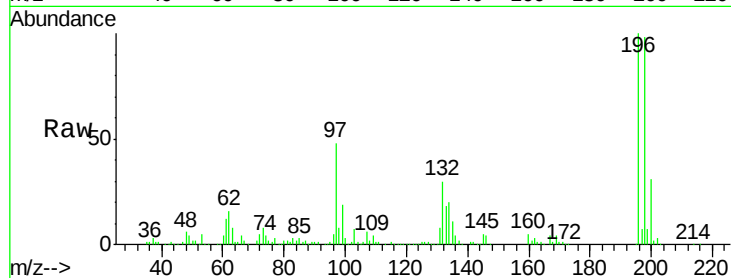
ClientSampleId :

MW-01S-101916MSD

Tot Ion:	196	Resp:	487835
Ion Ratio	Lower	Upper	
196	100		
198	97.6	75.4	113.0
97	47.9	33.3	49.9
132	29.6	24.6	37.0

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#44

2-Fluorobiphenyl

Concen: 73.21 ng

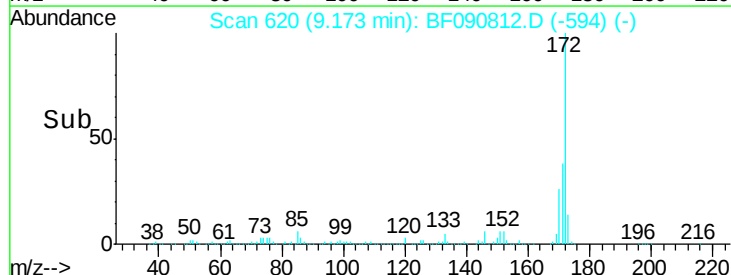
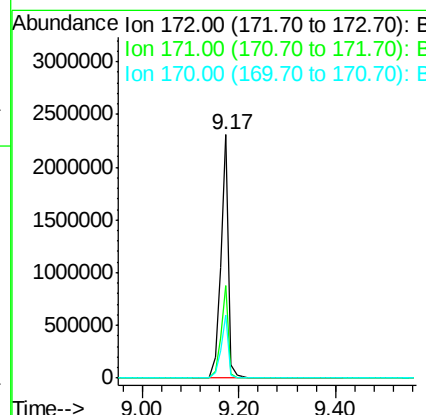
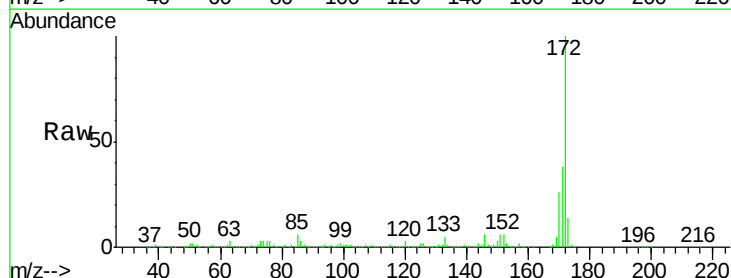
RT: 9.17 min Scan# 620

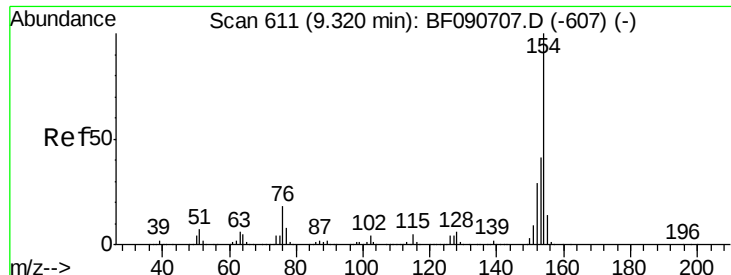
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion:	172	Resp:	2592885
Ion Ratio	Lower	Upper	
172	100		
171	37.8	26.1	39.1
170	25.7	17.4	26.2





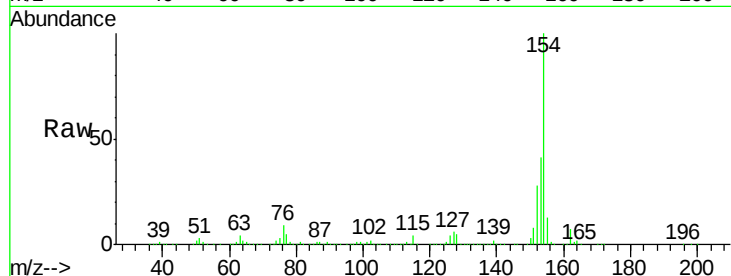
#45
 1,1'-Biphenyl
 Concen: 40.79 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

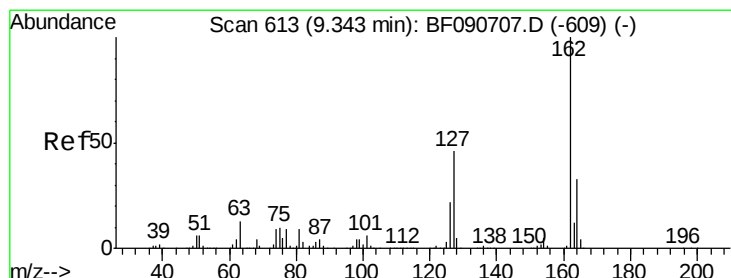
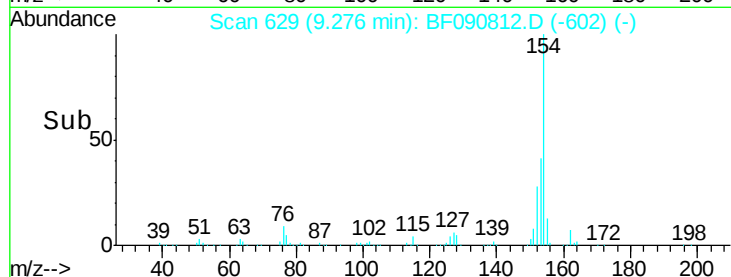
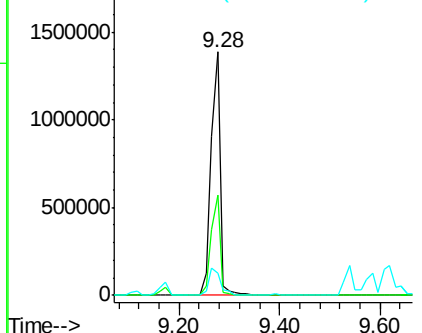
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	17.1	57.1
76	9.2	0.0	31.6

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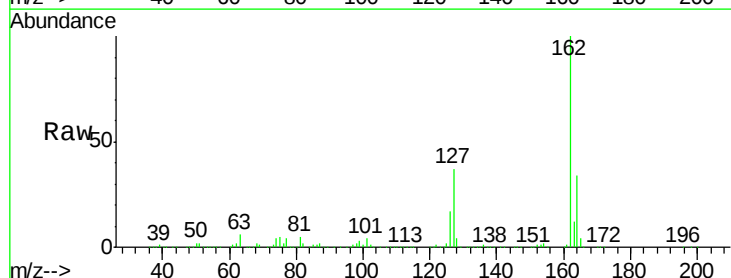


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

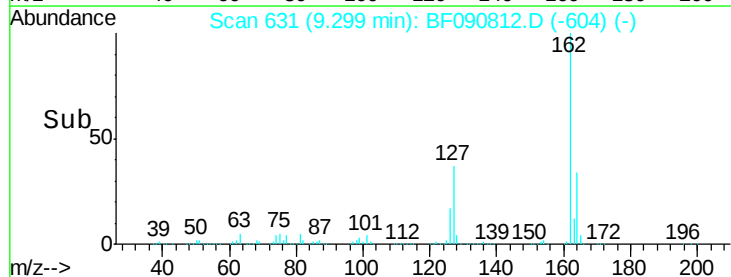
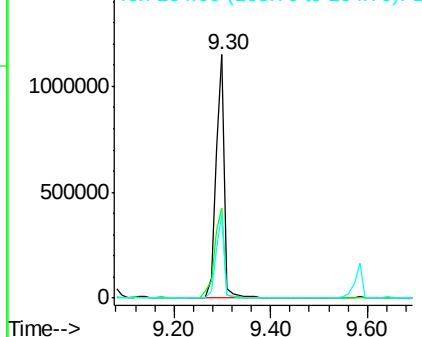


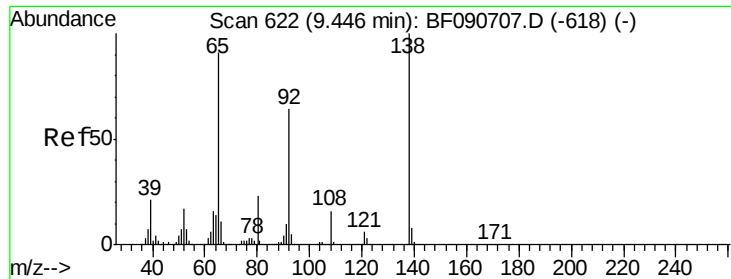
#46
 2-Chloronaphthalene
 Concen: 44.37 ng
 RT: 9.30 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.8	27.6	41.4
164	34.2	25.4	38.2



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: 35.00 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

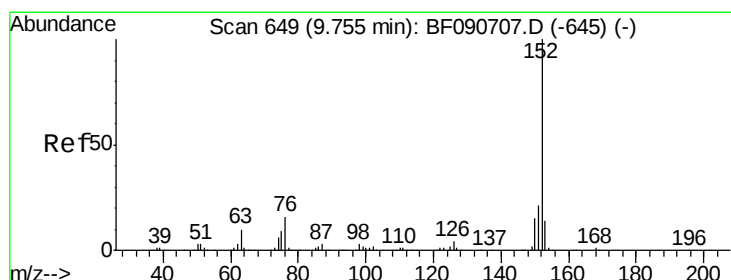
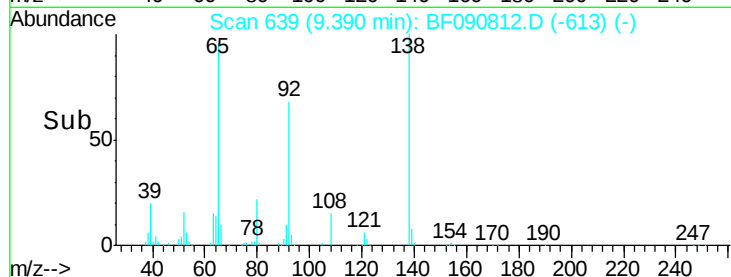
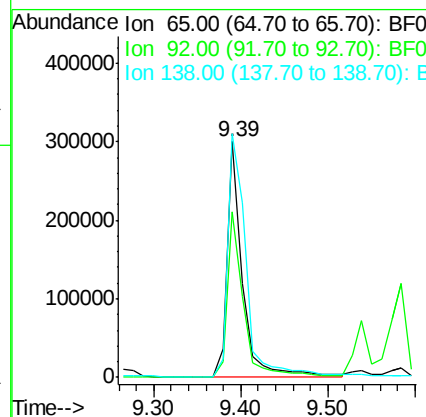
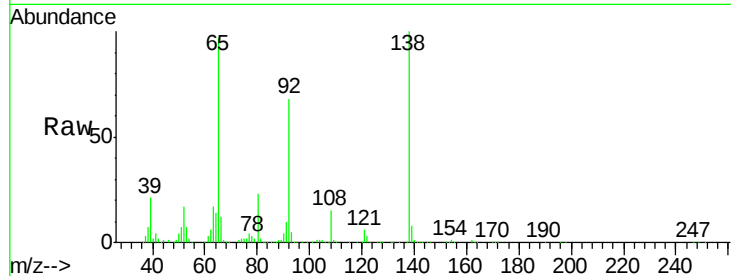
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.4	83.0
138	103.2	115.5	173.3

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#48

Acenaphthylene

Concen: 41.10 ng

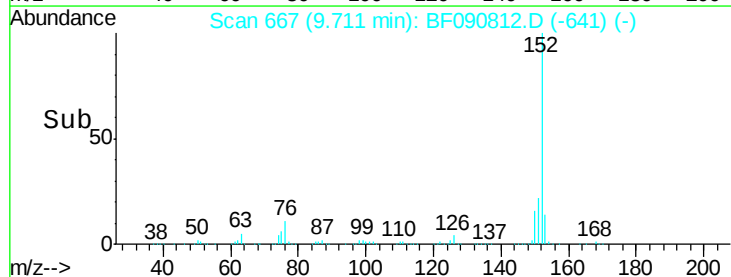
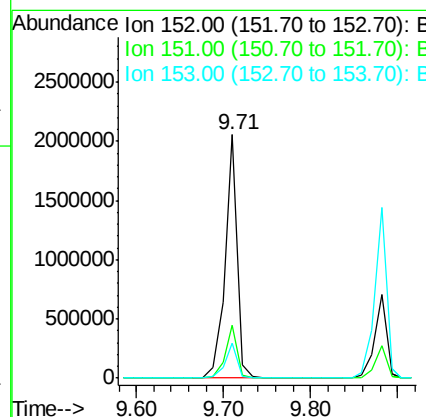
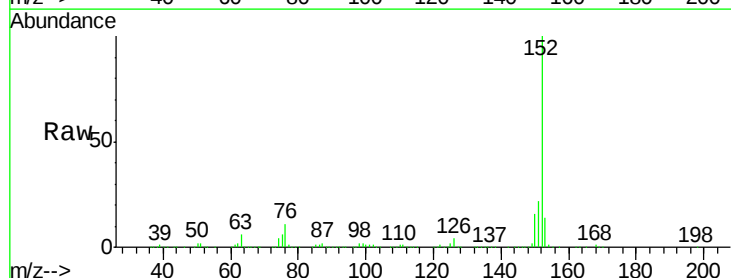
RT: 9.71 min Scan# 667

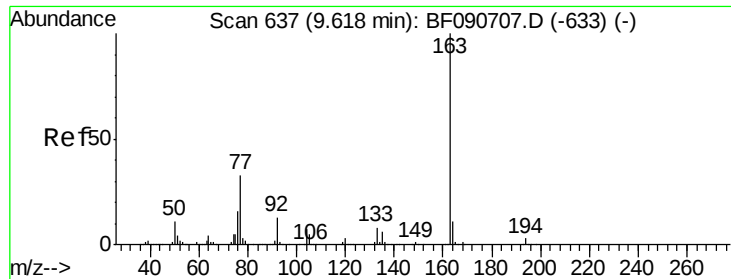
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	14.6	22.0
153	14.2	10.3	15.5





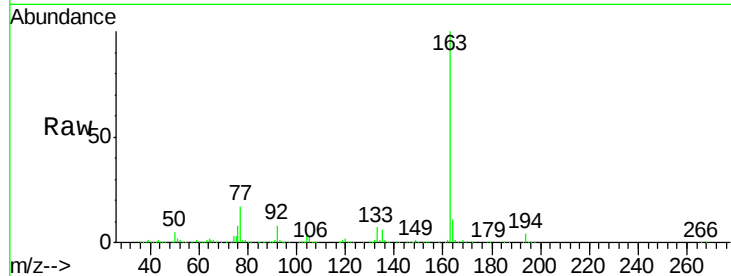
#49
Dimethylphthalate
Concen: 50.81 ng
RT: 9.58 min Scan# 656
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

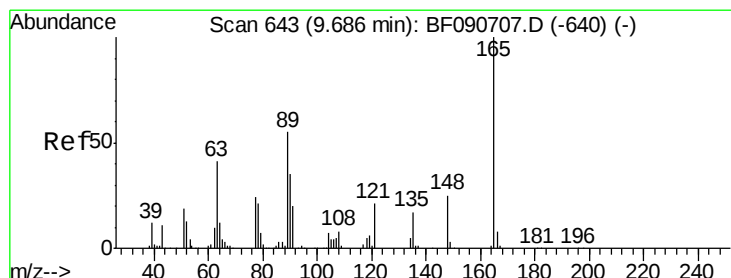
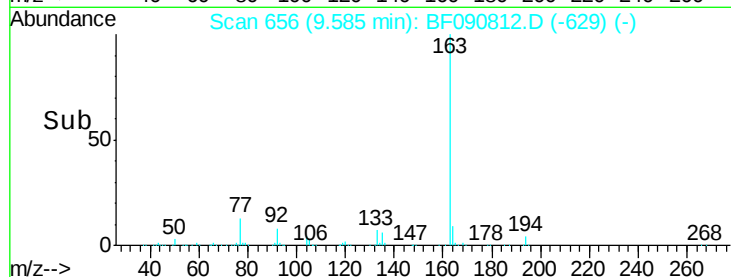
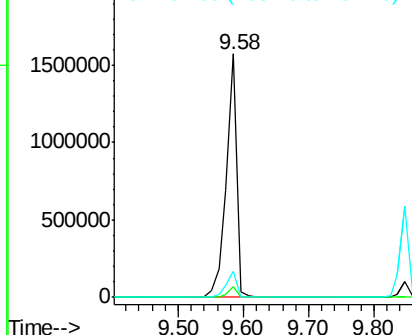
Tot Ion:163 Resp: 1755138
Ion Ratio Lower Upper
163 100
194 4.2 4.4 6.6#
164 10.7 8.3 12.5

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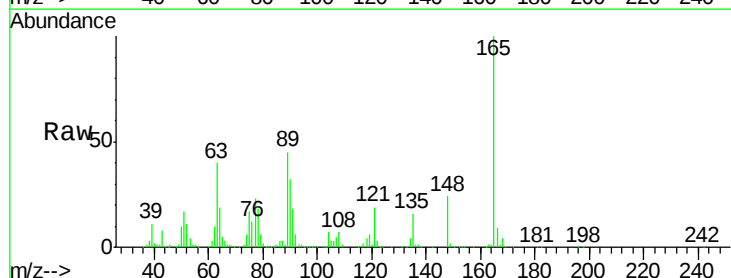


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

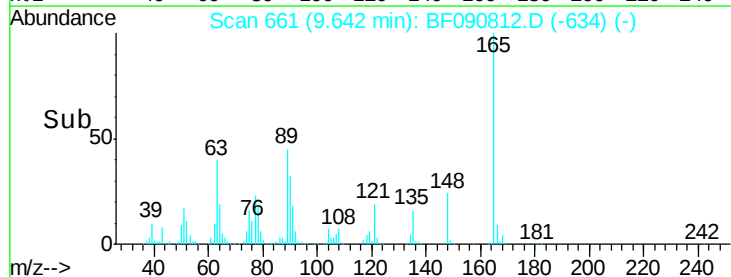
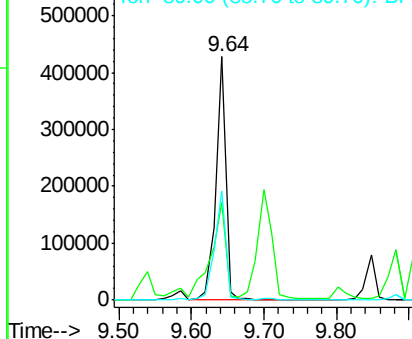


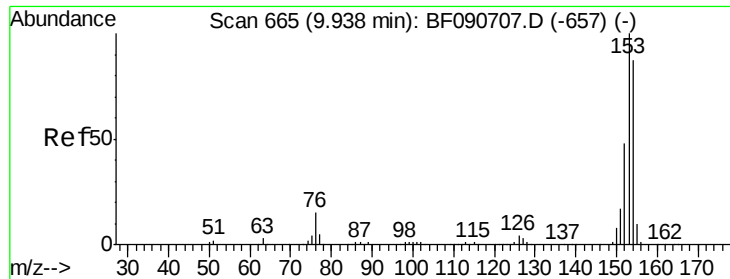
#50
2,6-Dinitrotoluene
Concen: 55.07 ng
RT: 9.64 min Scan# 661
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion:165 Resp: 409147
Ion Ratio Lower Upper
165 100
63 40.1 32.3 48.5
89 44.9 28.6 43.0#



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





#51

Acenaphthene

Concen: 37.89 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:154 Resp: 1231597

Ion Ratio Lower Upper

154 100

153 113.3 82.1 123.1

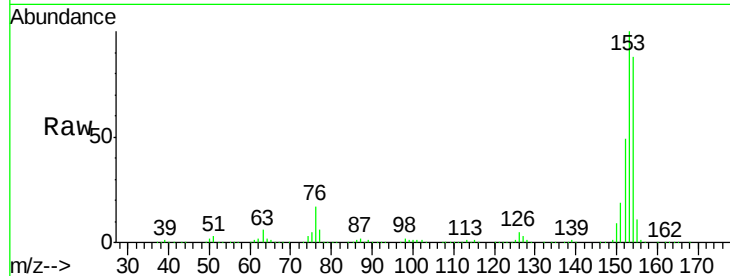
152 55.3 37.9 56.9

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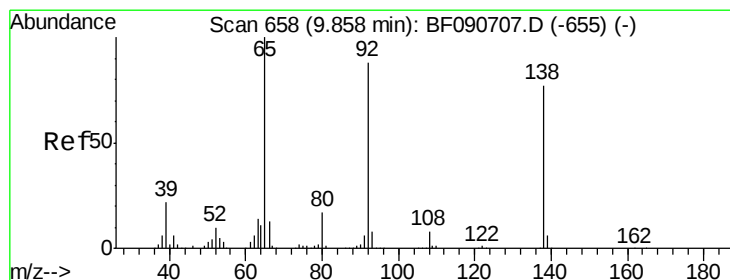
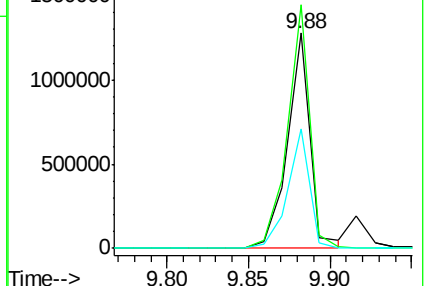
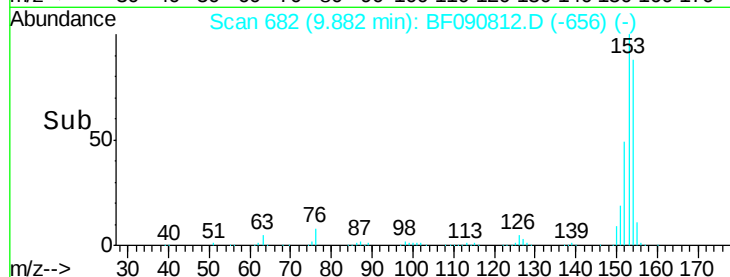
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.23 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

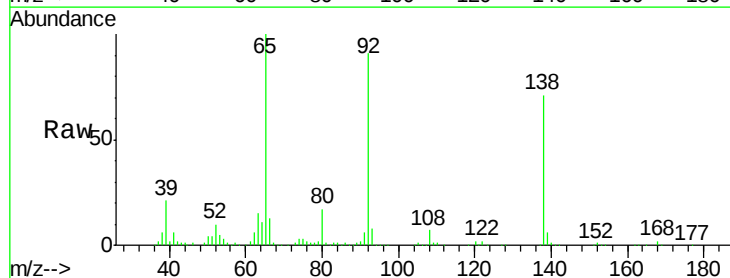
Tgt Ion:138 Resp: 189861

Ion Ratio Lower Upper

138 100

108 10.6 5.7 8.5#

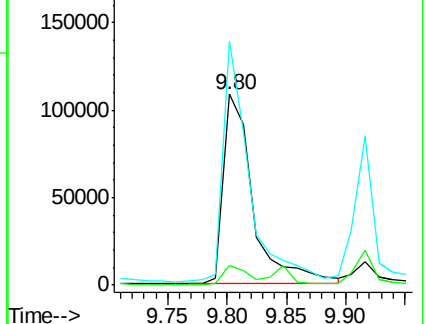
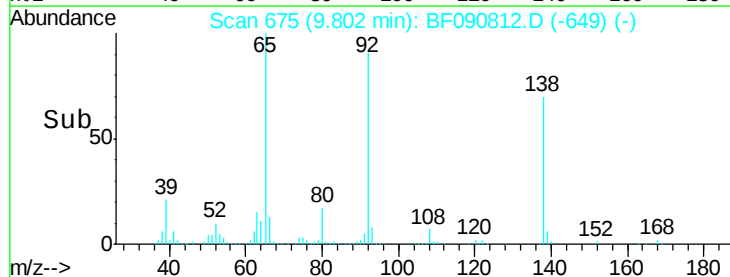
92 127.4 67.7 101.5#

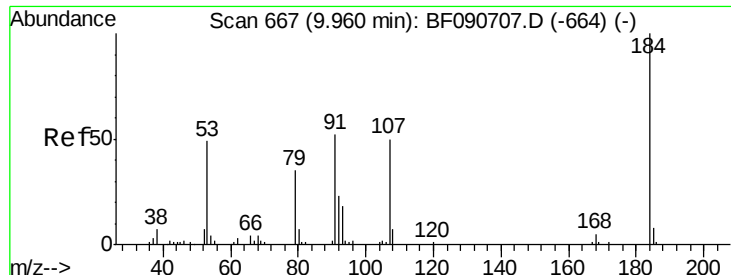


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





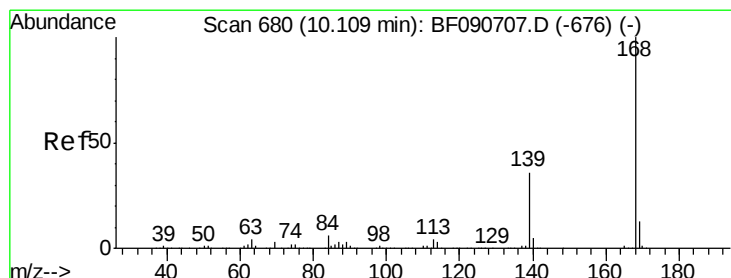
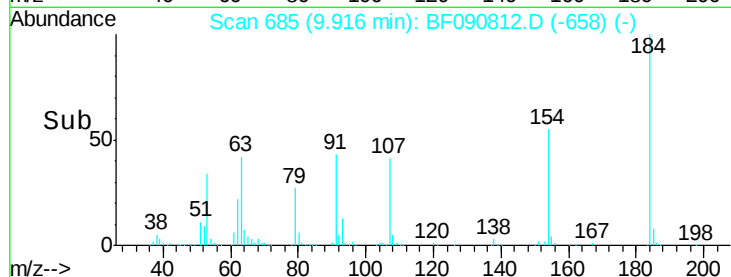
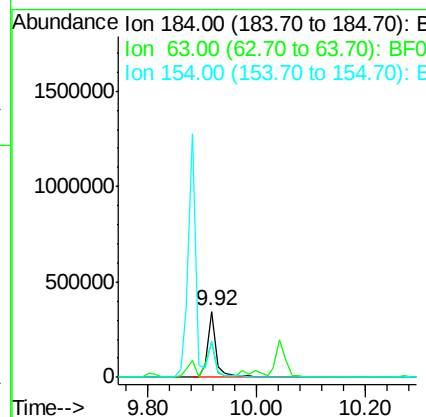
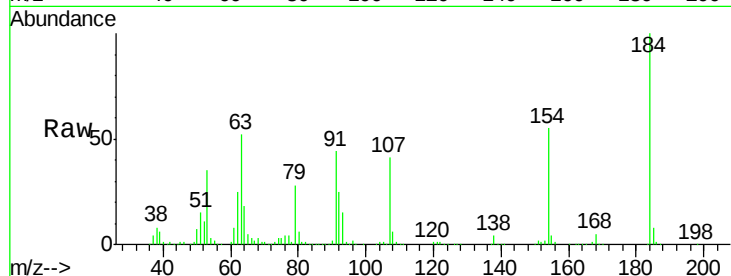
#53
 2,4-Dinitrophenol
 Concen: 86.35 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	52.3	35.4	53.2
154	55.3	32.2	48.4

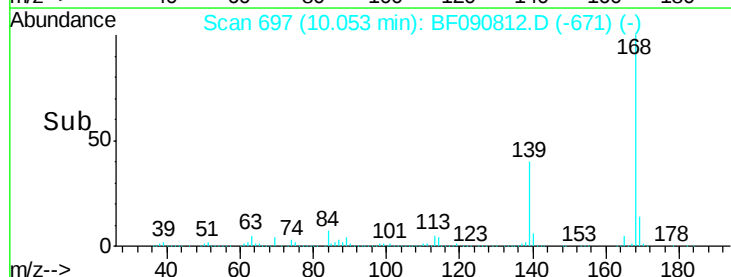
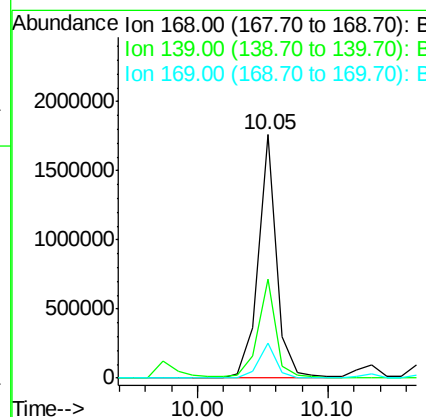
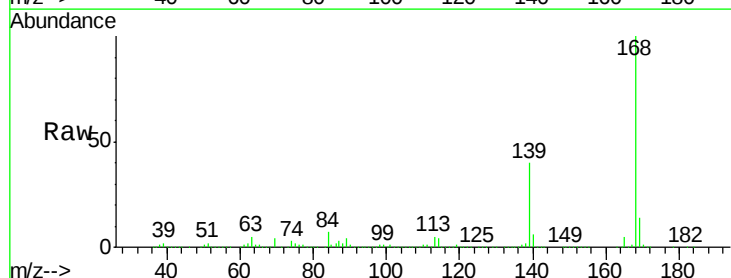
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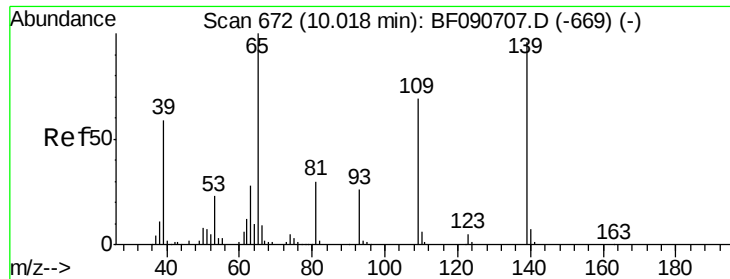
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#54
 Dibenzofuran
 Concen: 43.95 ng
 RT: 10.05 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.4	24.2	36.2
169	14.4	10.6	15.8





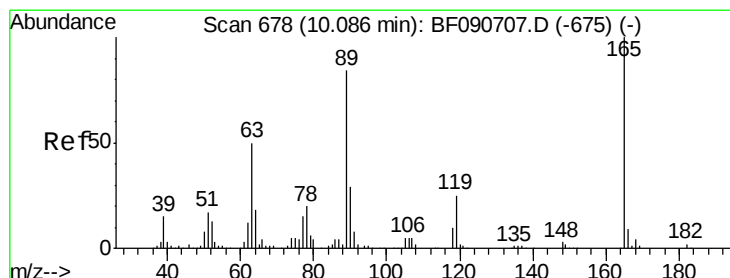
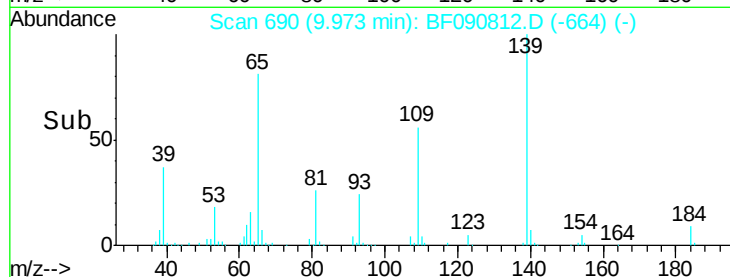
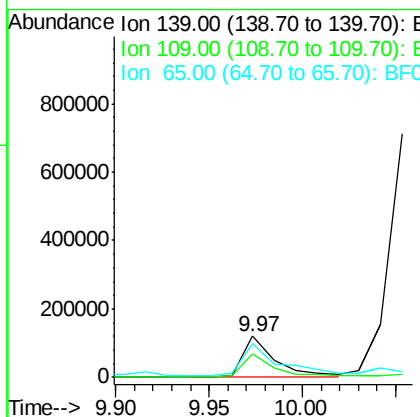
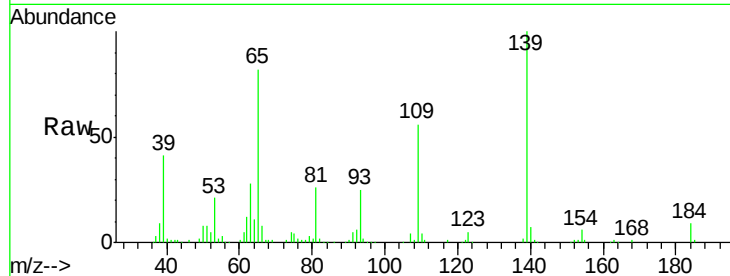
#55
4-Nitrophenol
Concen: 32.10 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	148280		
109	56.5	12.7	52.7#	
65	82.4	45.9	85.9	

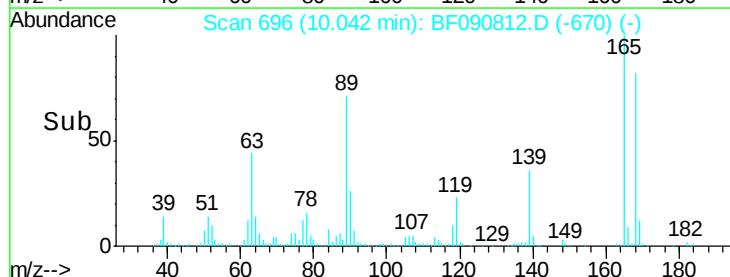
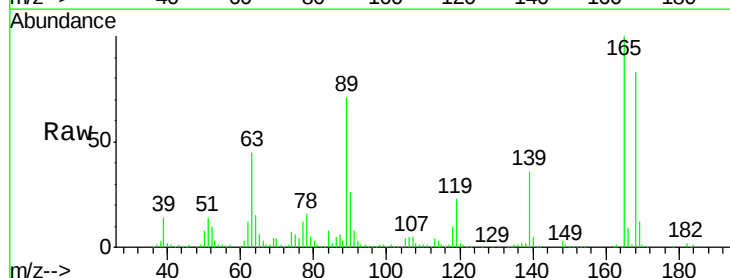
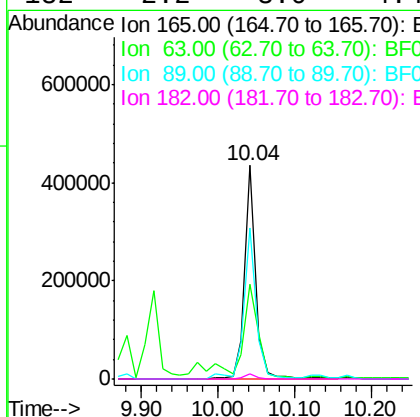
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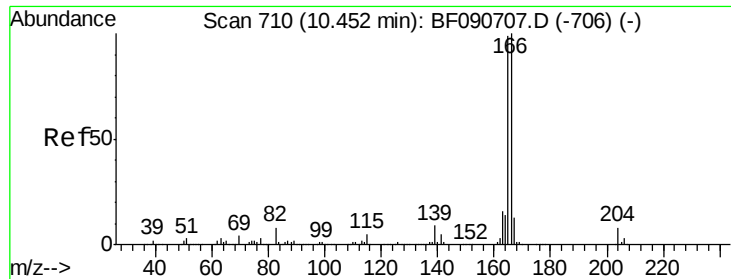
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#56
2,4-Dinitrotoluene
Concen: 48.91 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	444053		
63	44.7	29.8	44.6#	
89	70.9	44.5	66.7#	
182	2.2	3.0	4.4#	





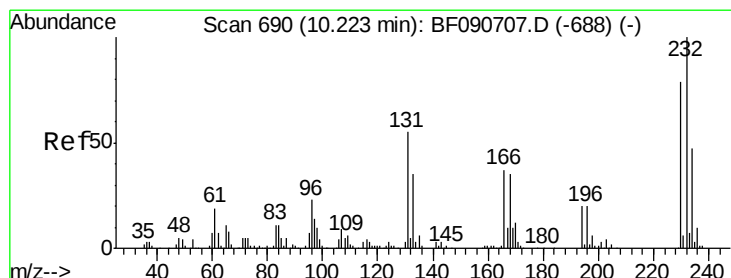
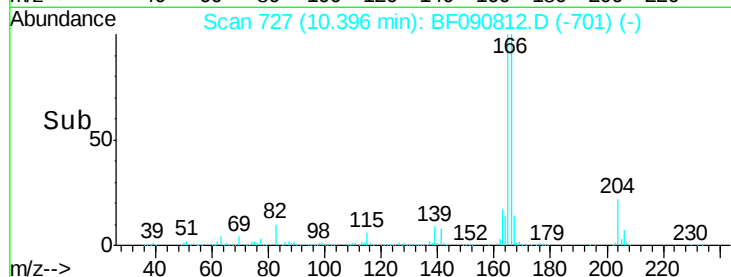
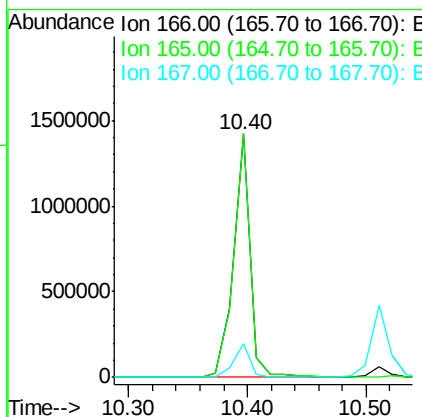
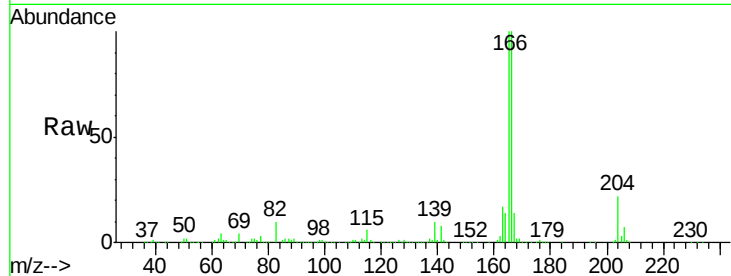
#57
 Fluorene
 Concen: 42.40 ng
 RT: 10.40 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion:166 Resp: 1383761
 Ion Ratio Lower Upper
 166 100
 165 100.0 72.6 109.0
 167 14.1 10.6 16.0

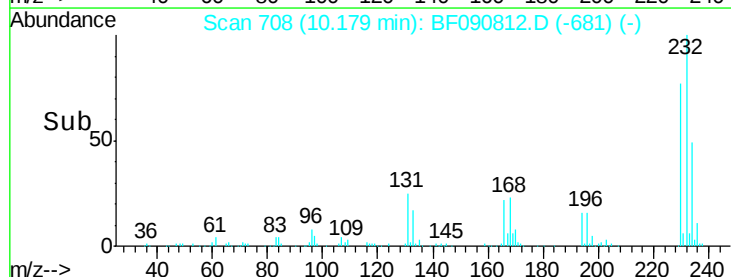
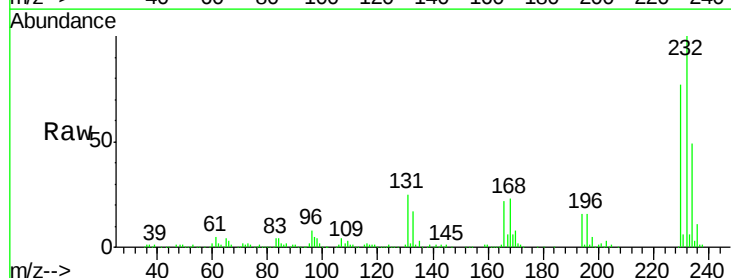
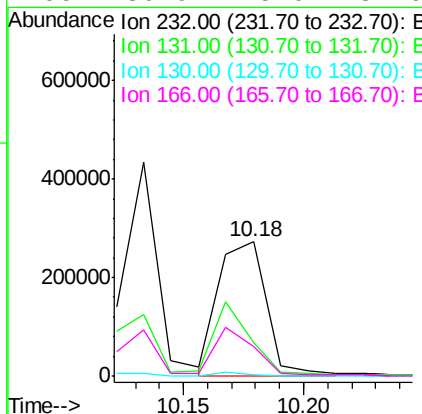
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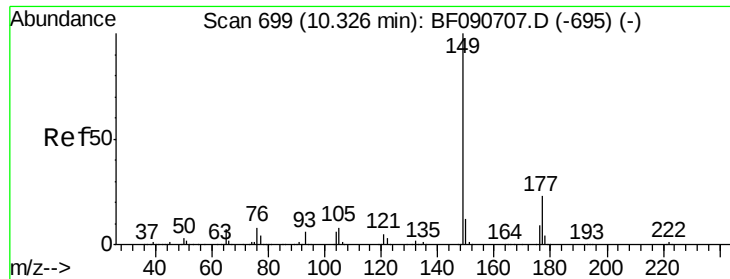
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 51.93 ng m
 RT: 10.18 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion:232 Resp: 380759
 Ion Ratio Lower Upper
 232 100
 131 45.1 38.5 57.7
 130 2.1 1.8 2.6
 166 30.9 25.0 37.6





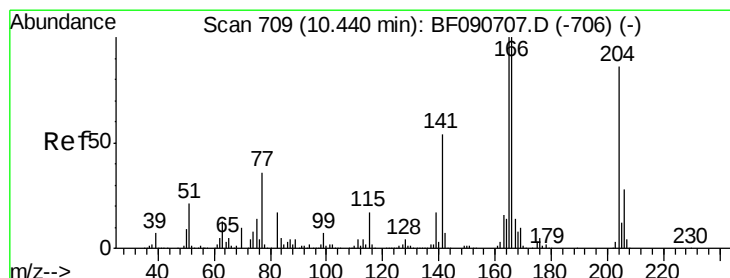
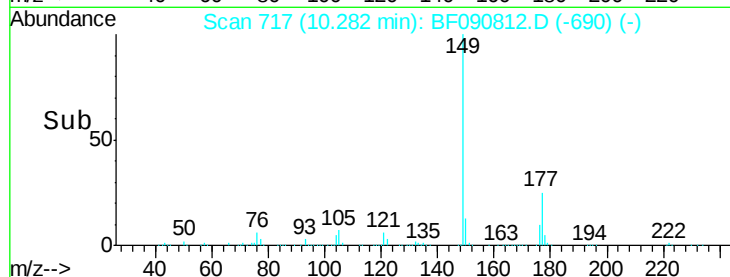
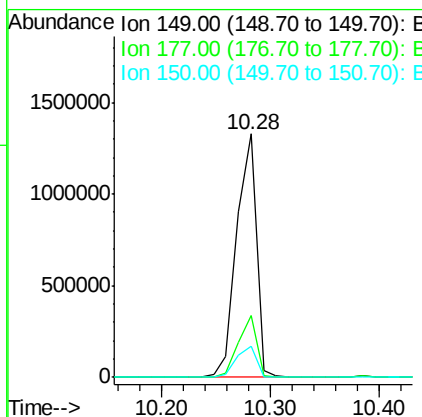
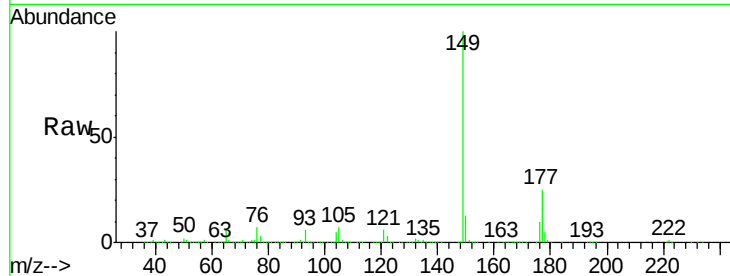
#59
Diethylphthalate
Concen: 46.25 ng
RT: 10.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion:149 Resp: 1657262
Ion Ratio Lower Upper
149 100
177 25.2 17.5 26.3
150 12.7 9.4 14.2

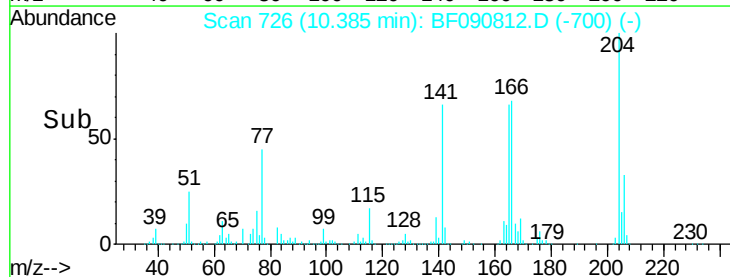
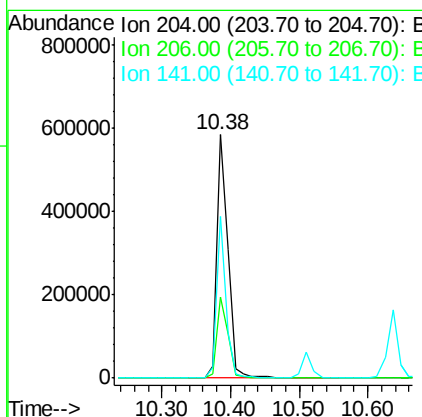
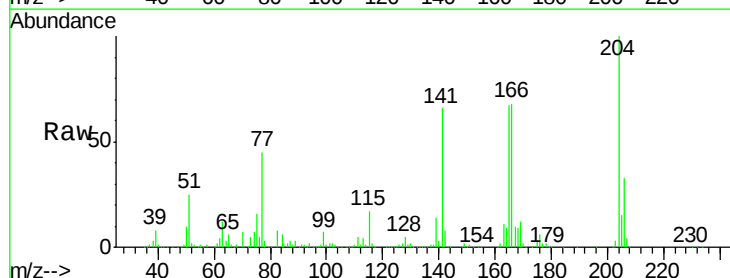
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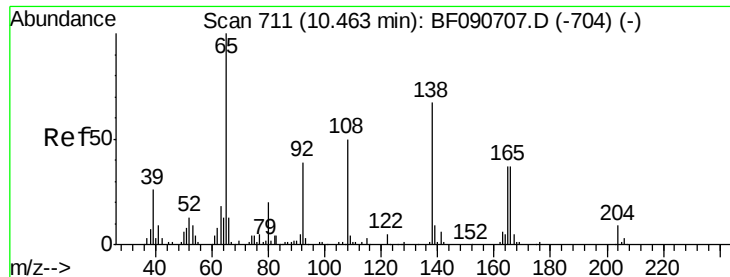
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#60
4-Chlorophenyl-phenylether
Concen: 44.84 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion:204 Resp: 668653
Ion Ratio Lower Upper
204 100
206 33.1 24.8 37.2
141 66.4 42.2 63.4#





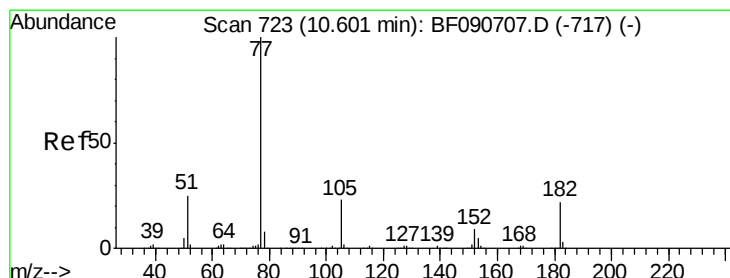
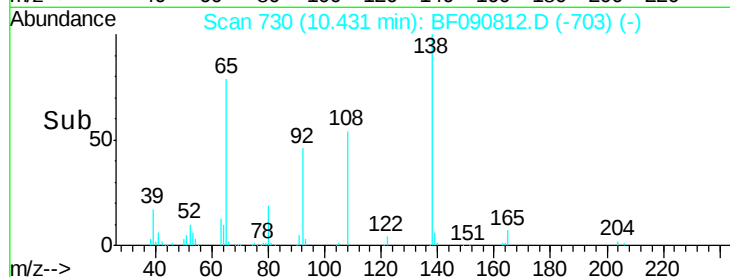
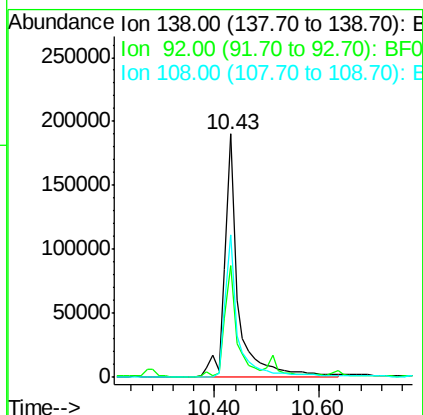
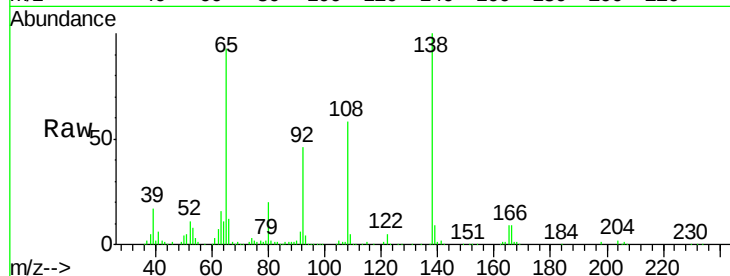
#61
4-Nitroaniline
Concen: 38.94 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	336775		
92	46.2		12.6	52.6
108	58.4		12.4	52.4

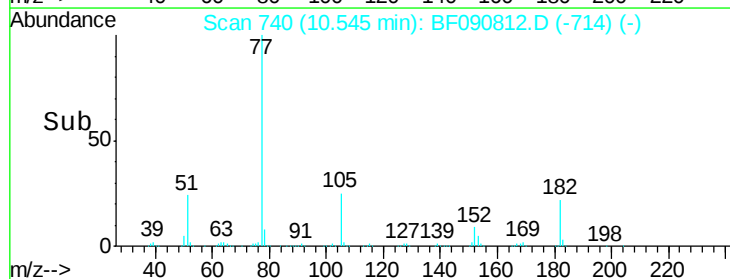
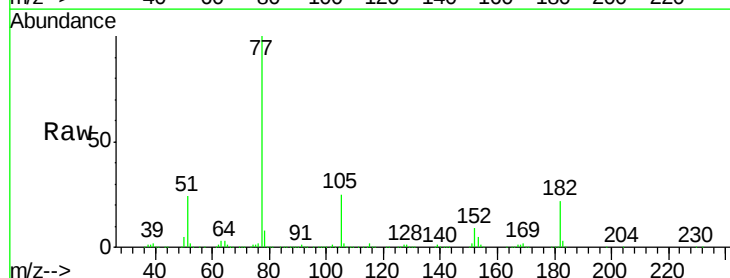
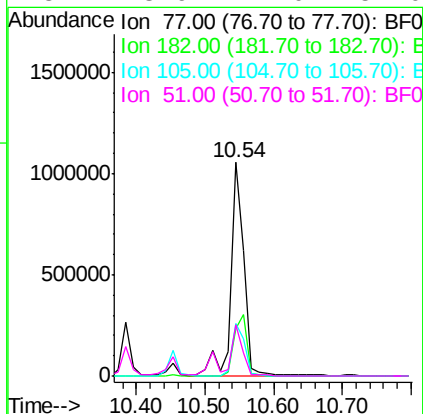
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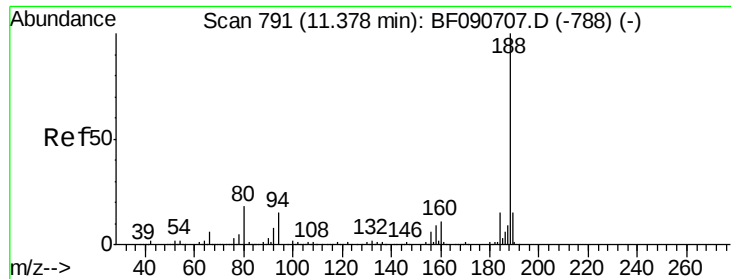
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#62
Azobenzene
Concen: 33.62 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1410437		
182	22.4		15.1	55.1
105	24.9		3.4	43.4
51	23.9		12.0	52.0





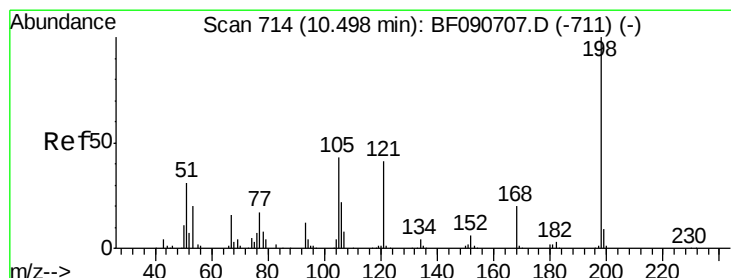
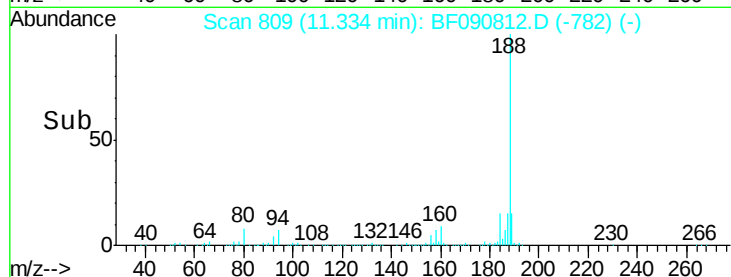
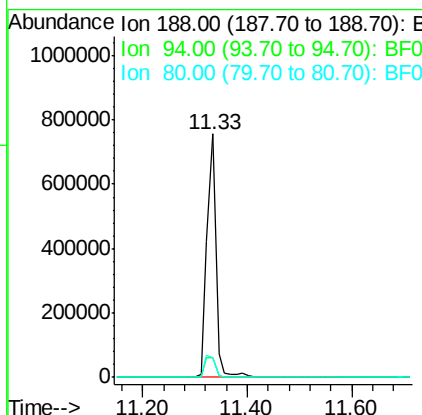
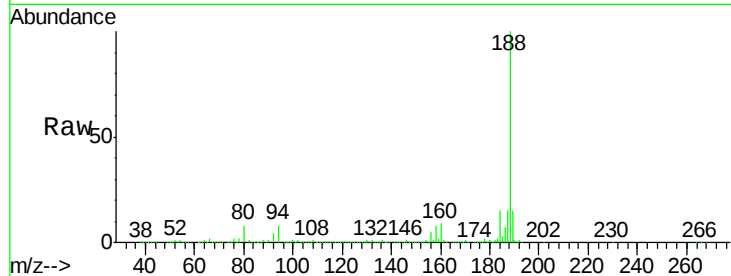
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	913129		
94	7.9	11.1	16.7#	
80	8.2	11.0	16.4#	

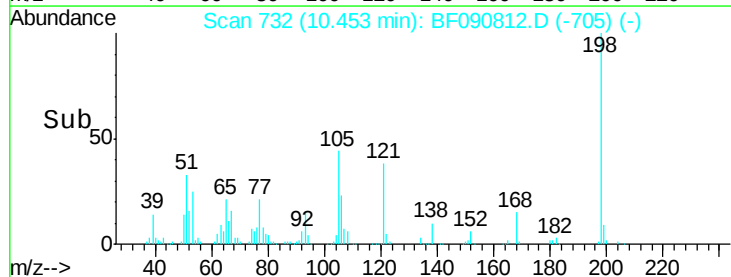
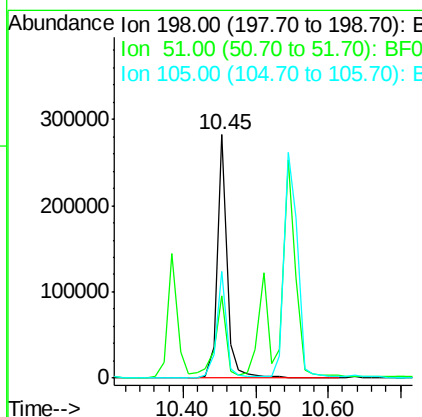
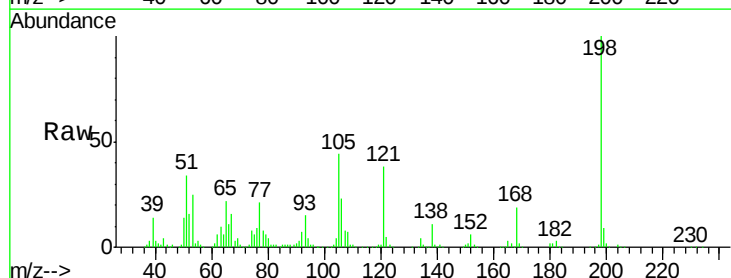
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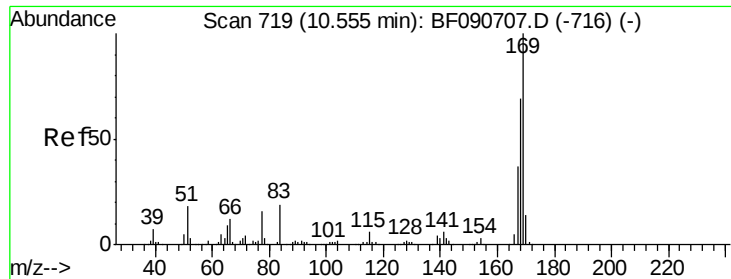
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#64
4,6-Dinitro-2-methylphenol
Concen: 45.89 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	266320		
51	33.6	39.6	79.6#	
105	43.7	28.5	68.5	





#65

n-Nitrosodiphenylamine

Concen: 40.81 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:169 Resp: 1193907

Ion Ratio Lower Upper

169 100

168 68.8 48.9 73.3

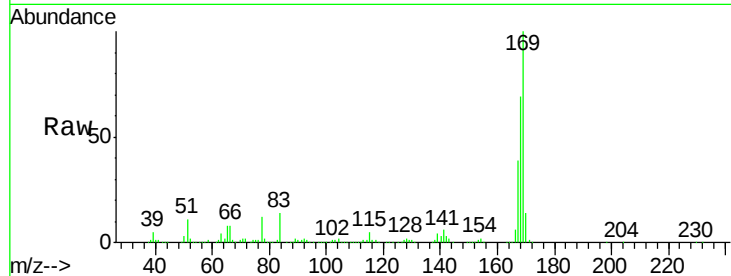
167 38.6 26.2 39.4

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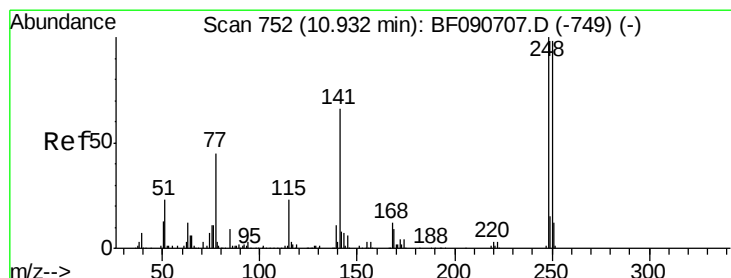
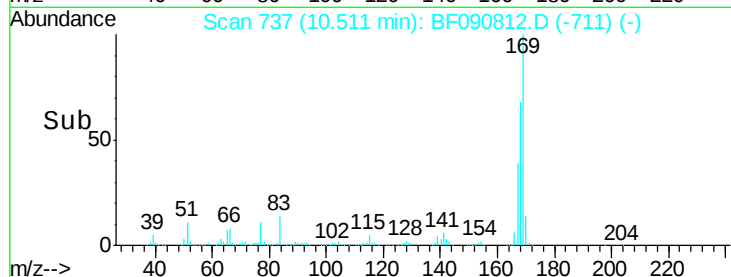
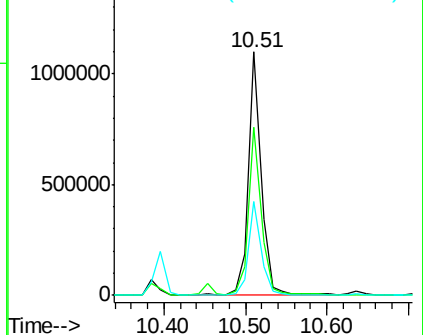
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 50.82 ng

RT: 10.88 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

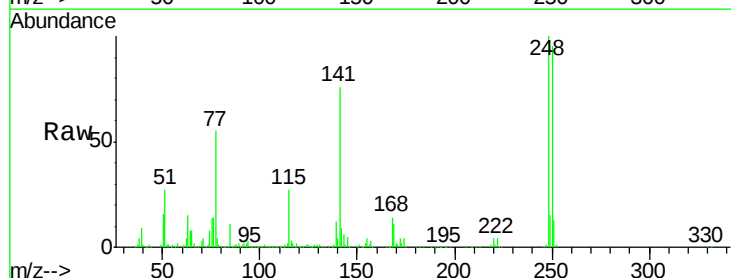
Tgt Ion:248 Resp: 449836

Ion Ratio Lower Upper

248 100

250 95.2 78.5 117.7

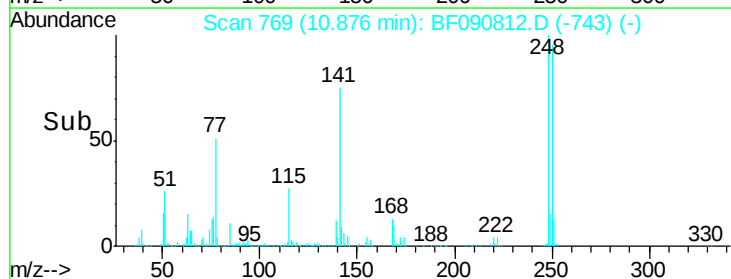
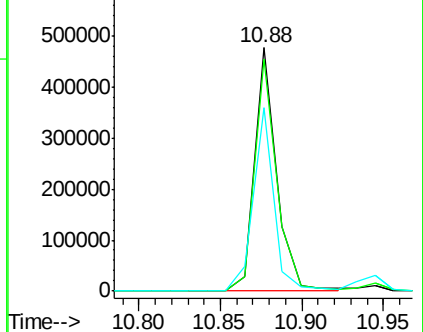
141 75.6 59.0 88.6

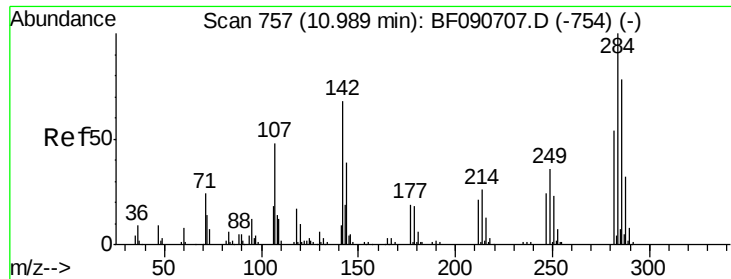


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 53.82 ng

RT: 10.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

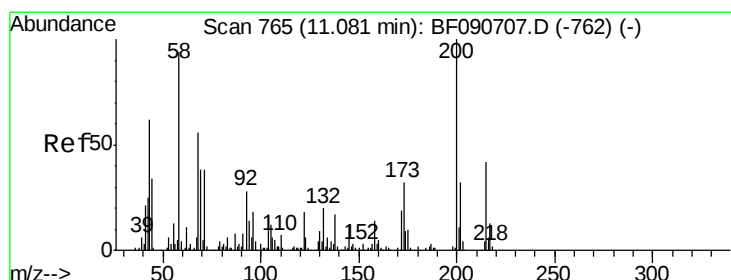
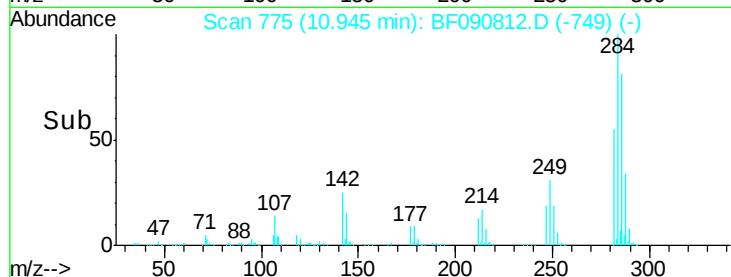
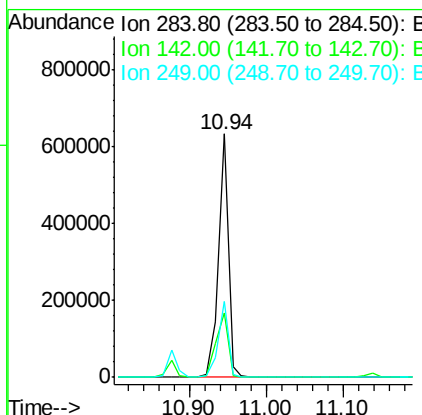
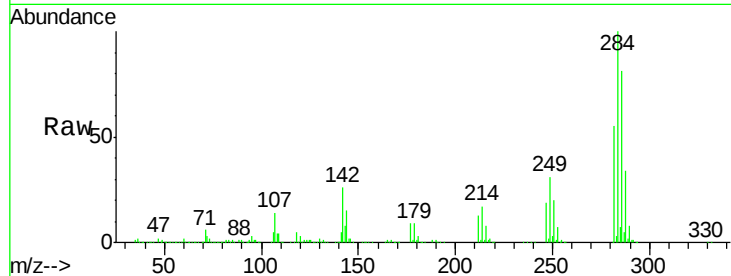
ClientSampleId :

MW-01S-101916MSD

Tot Ion:	284	Resp:	562158
Ion Ratio		Lower	Upper
284	100		
142	26.2	29.5	44.3#
249	31.4	19.5	29.3#

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#68

Atrazine

Concen: 54.98 ng

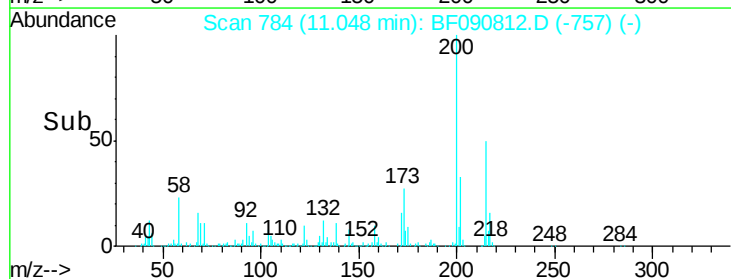
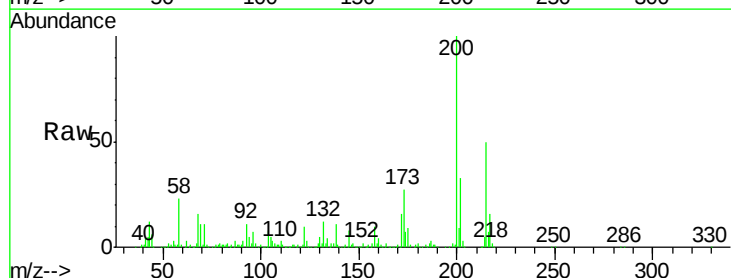
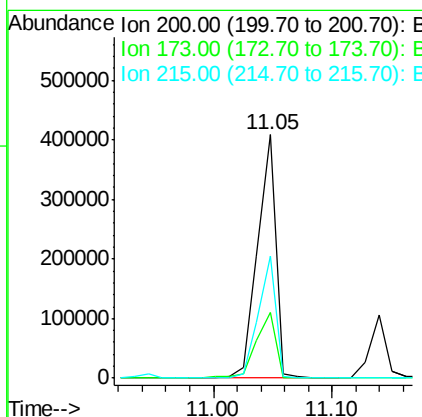
RT: 11.05 min Scan# 784

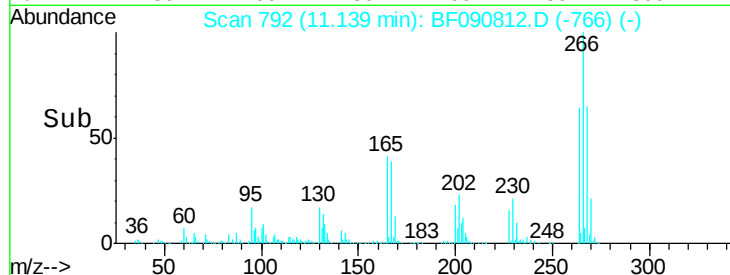
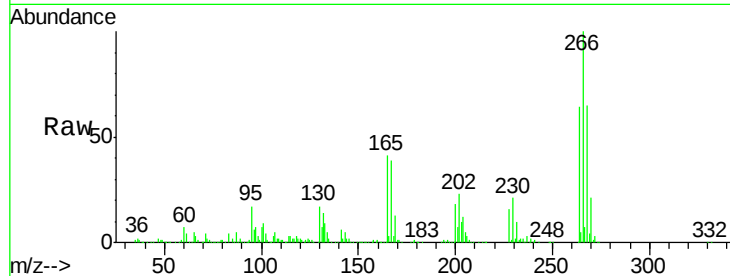
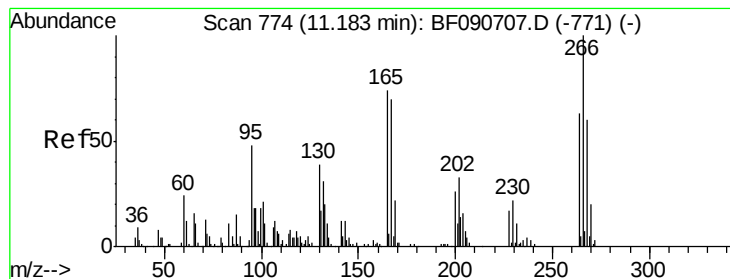
Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion:	200	Resp:	443967
Ion Ratio		Lower	Upper
200	100		
173	26.9	13.2	53.2
215	49.9	41.8	81.8





#69

Pentachlorophenol

Concen: 84.21 ng

RT: 11.14 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tot Ion:	266	Resp:	566551
Ion Ratio	Lower	Upper	
266	100		
268	64.8	49.8	74.6
264	64.4	50.2	75.2

Instrument :

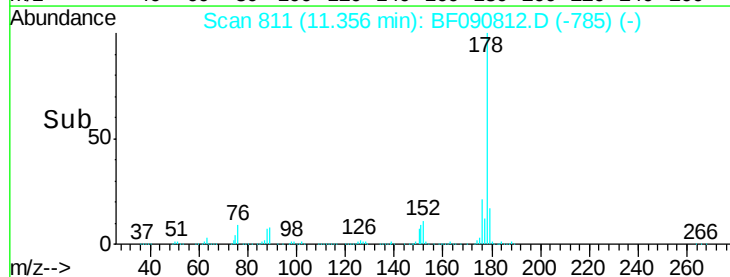
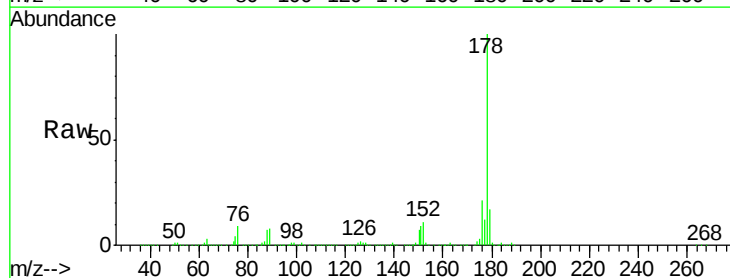
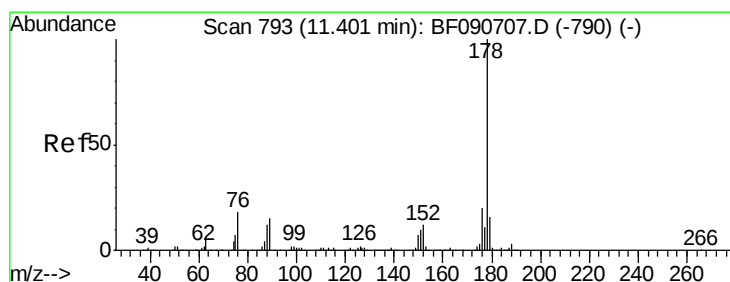
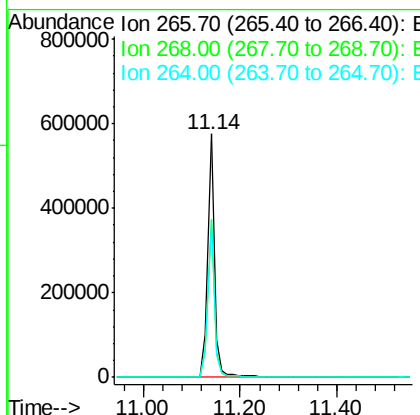
BNA_F

ClientSampleId :

MW-01S-101916MSD

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#70

Phenanthrene

Concen: 41.78 ng m

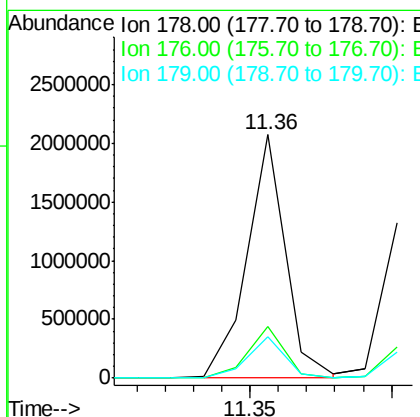
RT: 11.36 min Scan# 811

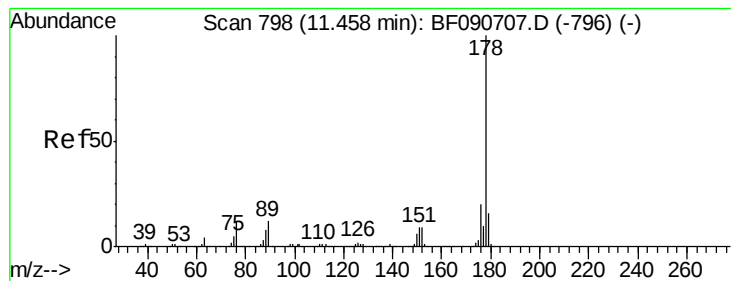
Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Tgt Ion:	178	Resp:	1944754
Ion Ratio	Lower	Upper	
178	100		
176	21.1	13.8	20.8#
179	16.9	12.2	18.2





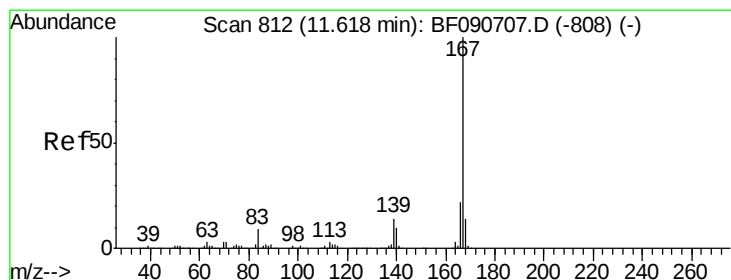
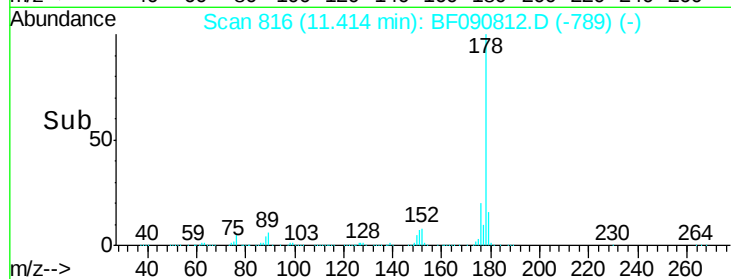
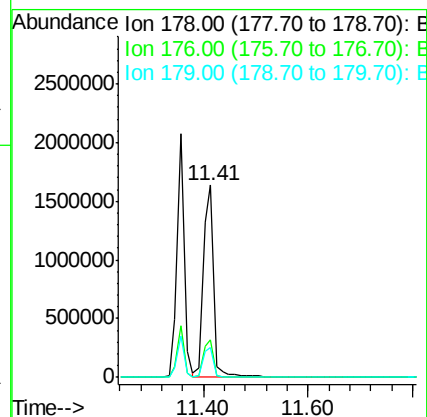
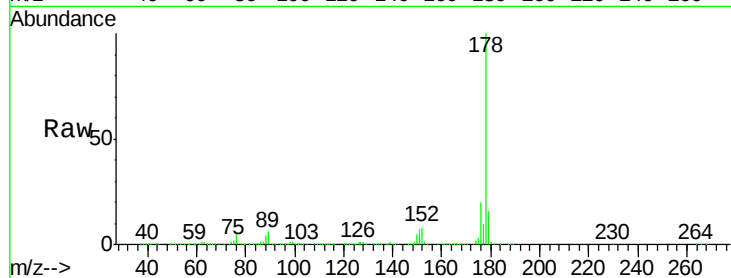
#71
 Anthracene
 Concen: 44.15 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion:178 Resp: 2279051
 Ion Ratio Lower Upper
 178 100
 176 19.8 14.1 21.1
 179 15.8 12.2 18.2

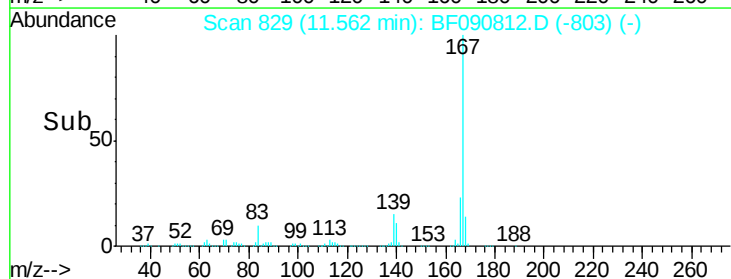
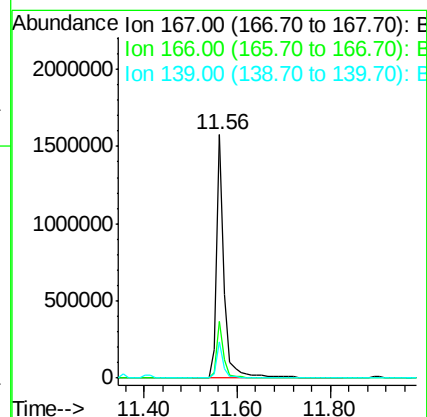
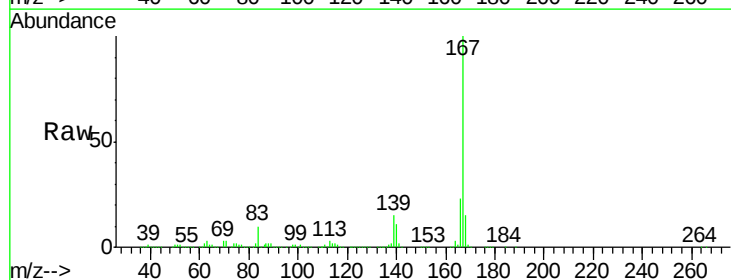
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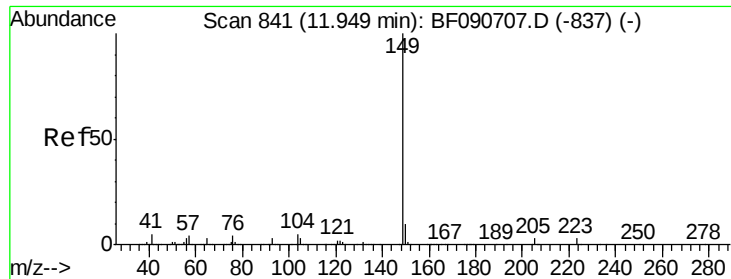
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#72
 Carbazole
 Concen: 42.78 ng
 RT: 11.56 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion:167 Resp: 1846029
 Ion Ratio Lower Upper
 167 100
 166 23.1 15.7 23.5
 139 14.8 9.5 14.3#





#73

Di-n-butylphthalate

Concen: 42.98 ng

RT: 11.91 min Scan# 859

Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:149 Resp: 2406112

Ion Ratio Lower Upper

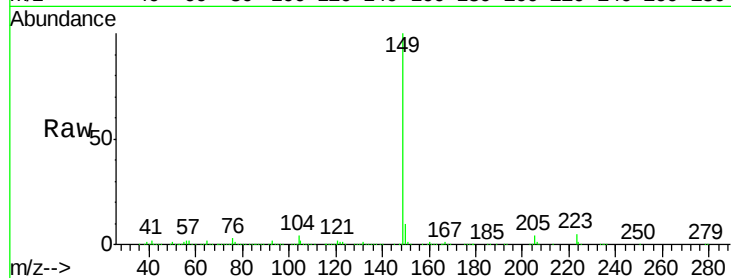
149 100

150 9.6 7.4 11.2

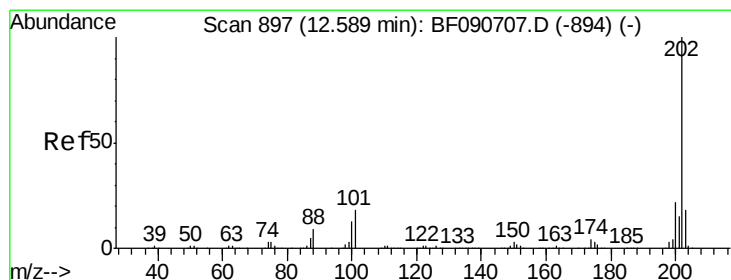
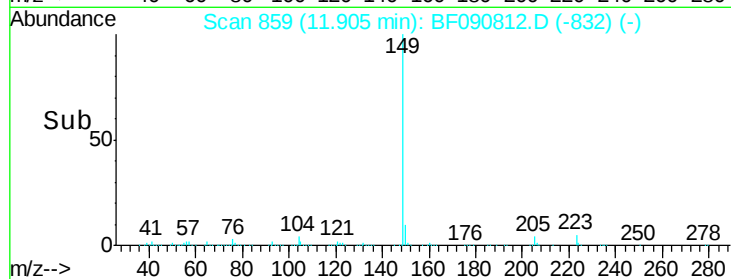
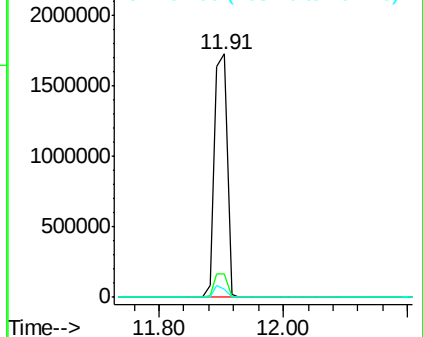
104 3.5 2.4 3.6

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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: 48.56 ng

RT: 12.55 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

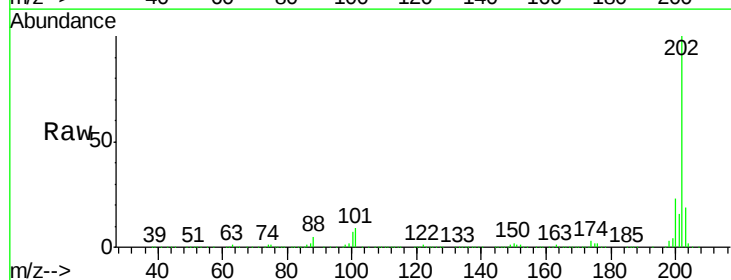
Tgt Ion:202 Resp: 2186251

Ion Ratio Lower Upper

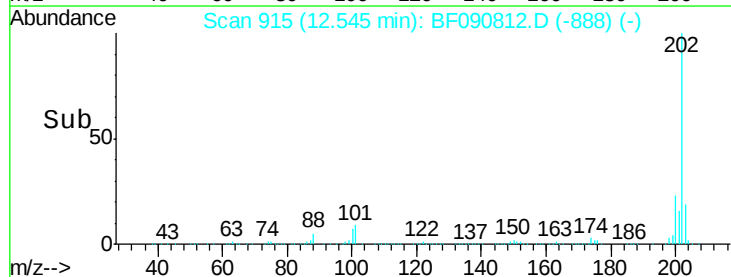
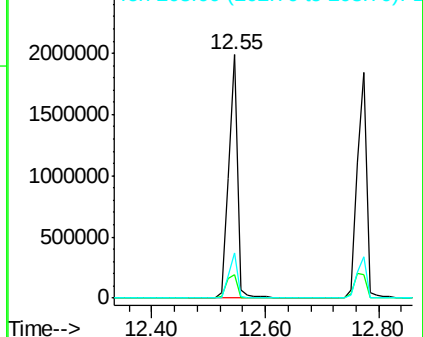
202 100

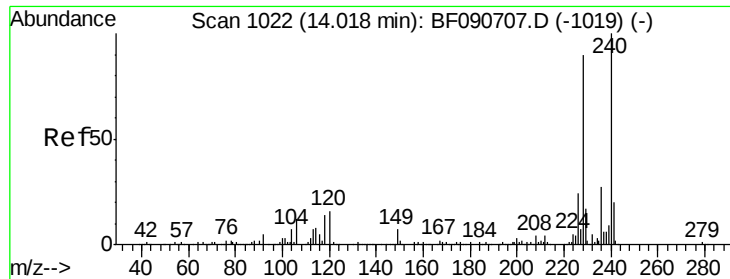
101 9.5 0.0 38.3

203 18.6 0.0 37.3



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: 13.97 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

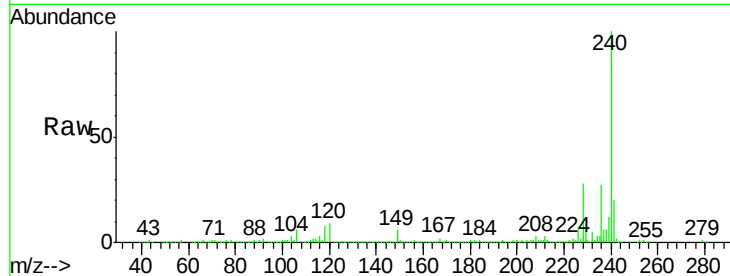
ClientSampleId :

MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	16.2	24.2#
236	26.7	18.4	27.6

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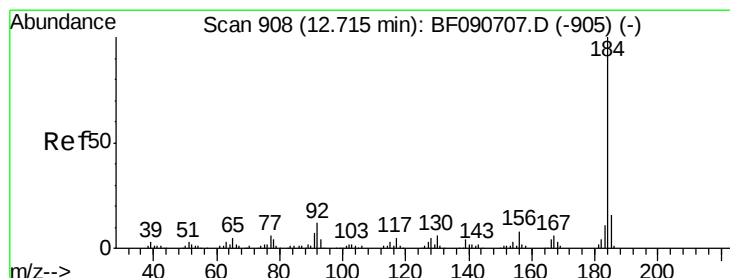
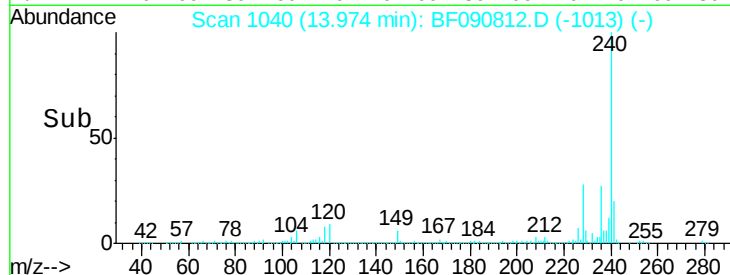
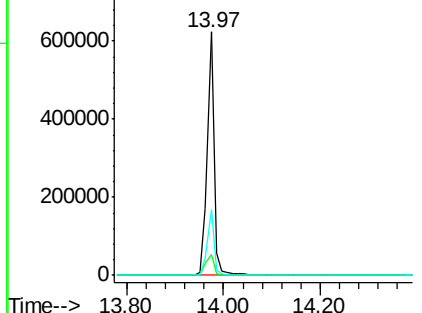
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 33.23 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF090812.D

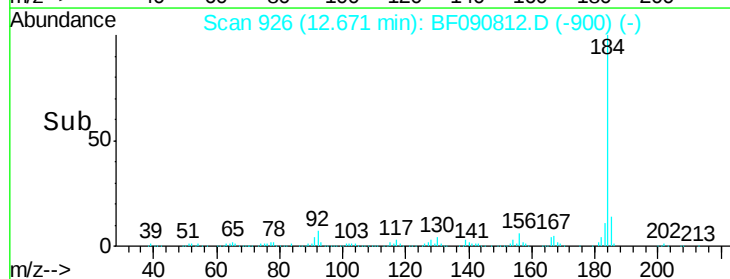
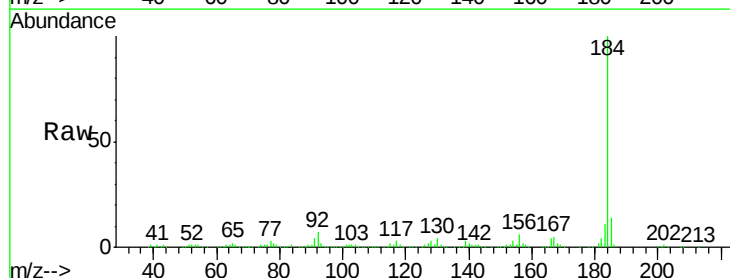
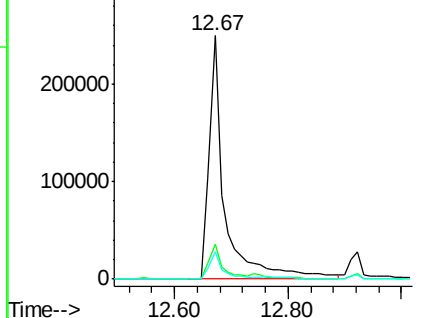
Acq: 25 Oct 2016 17:30

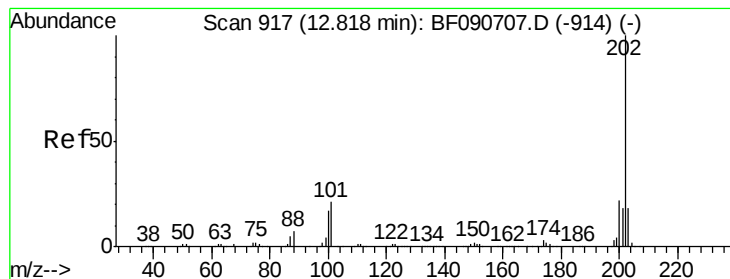
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.4	7.6	11.4

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: 49.32 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion:202 Resp: 2145998

Ion Ratio Lower Upper

202 100

200 22.7 15.0 22.4#

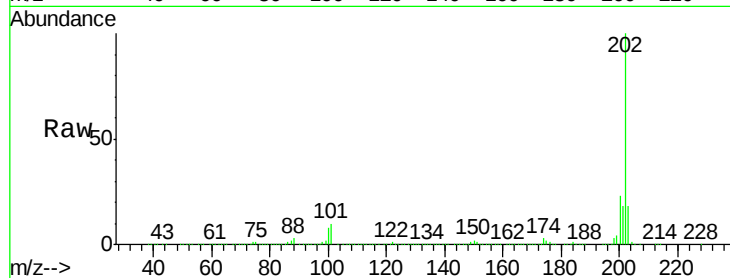
203 18.2 14.1 21.1

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Abundance Ion 202.00 (201.70 to 202.70): E

2500000 Ion 200.00 (199.70 to 200.70): E

2000000 Ion 203.00 (202.70 to 203.70): E

1500000

1000000

500000

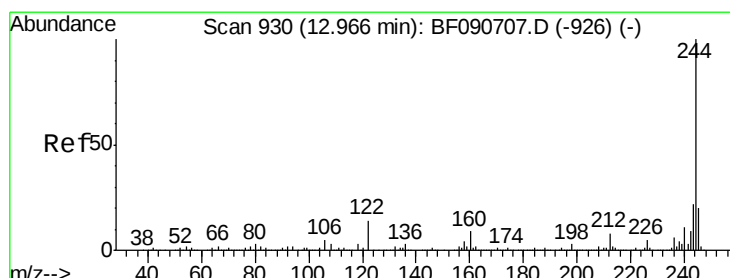
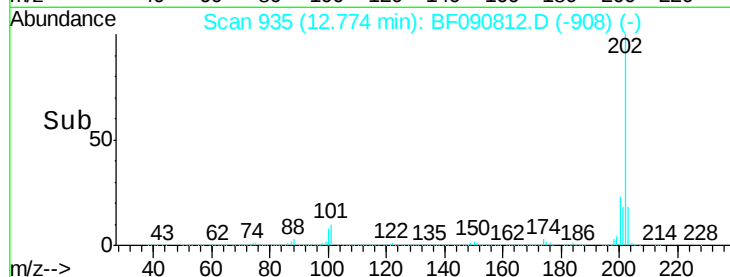
0

12.77

12.80

12.90

Time-->



#78

Terphenyl-d14

Concen: 98.06 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

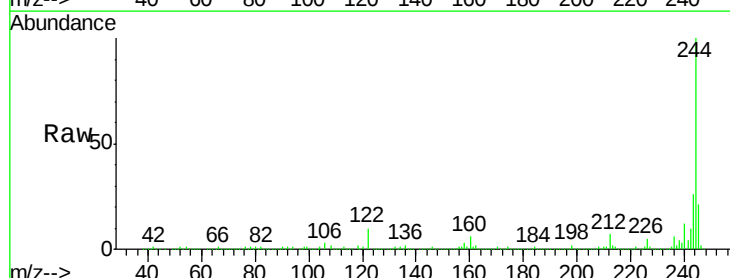
Tgt Ion:244 Resp: 2665714

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

122 9.5 17.4 26.2#



Abundance Ion 244.00 (243.70 to 244.70): E

3000000 Ion 212.00 (211.70 to 212.70): E

2500000 Ion 122.00 (121.70 to 122.70): E

2000000

1500000

1000000

500000

0

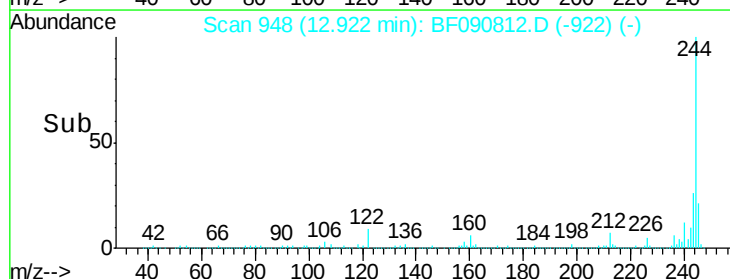
12.92

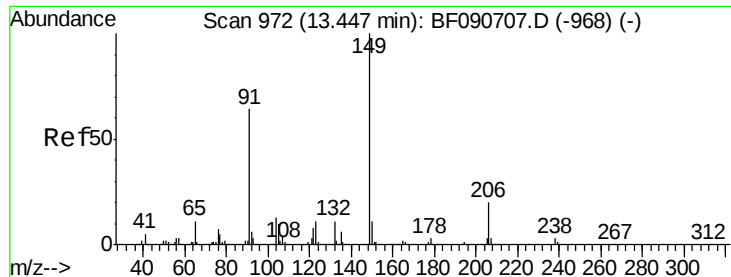
12.90

13.00

13.20

Time-->





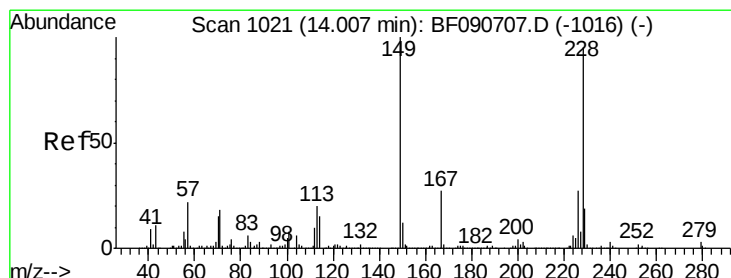
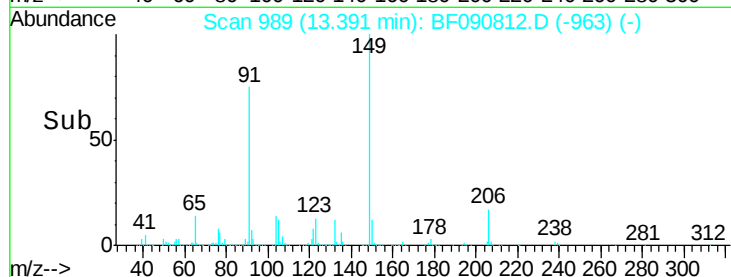
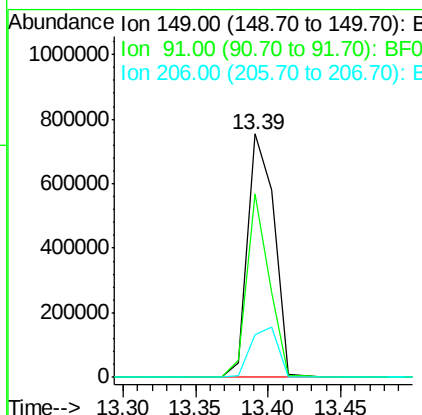
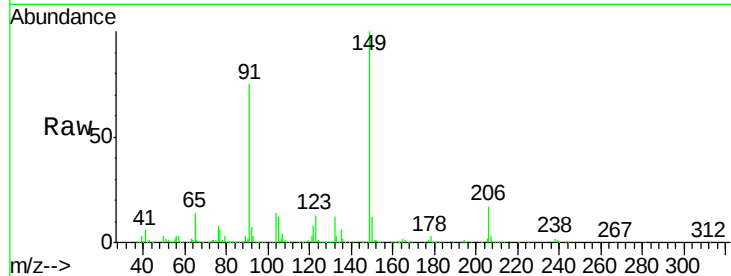
#79
Butylbenzylphthalate
Concen: 47.81 ng
RT: 13.39 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	75.3	48.6	72.8#
206	17.4	14.9	22.3

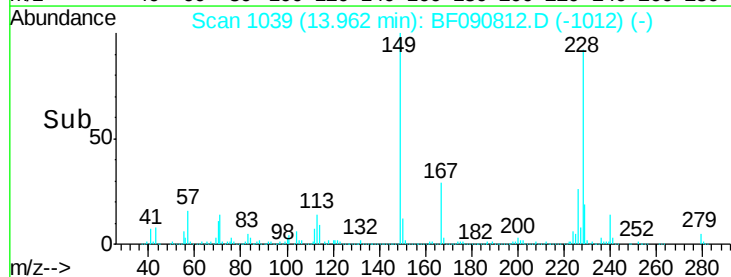
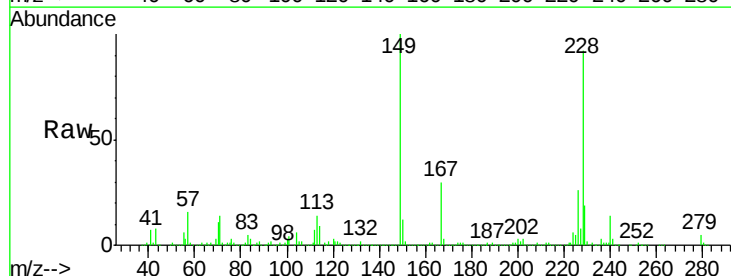
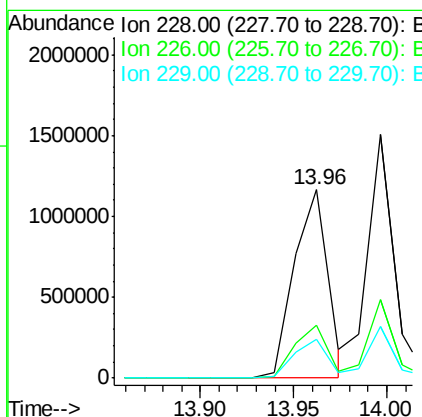
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#80
Benzo(a)anthracene
Concen: 43.25 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.0	30.0
229	20.4	15.4	23.2





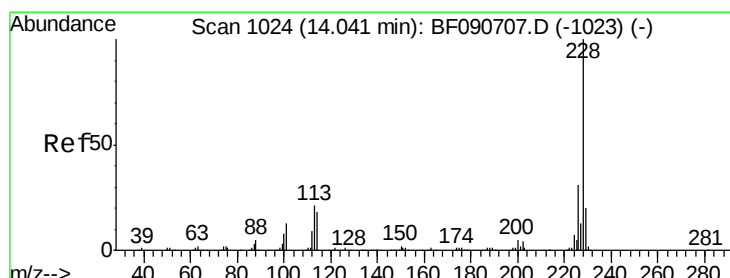
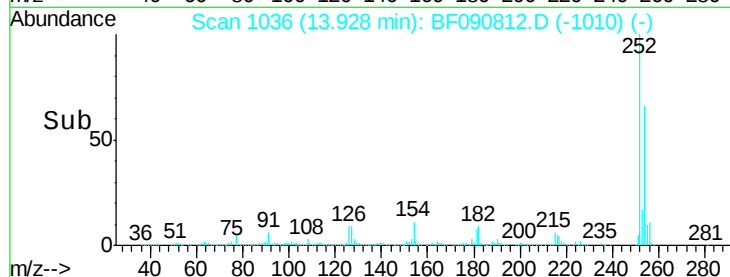
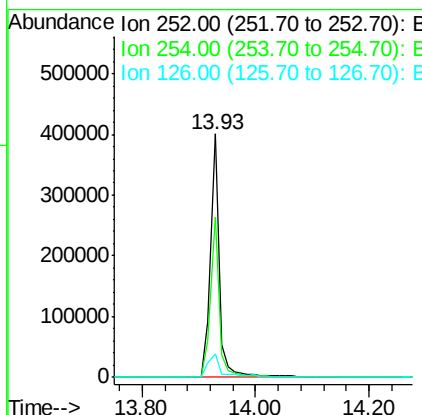
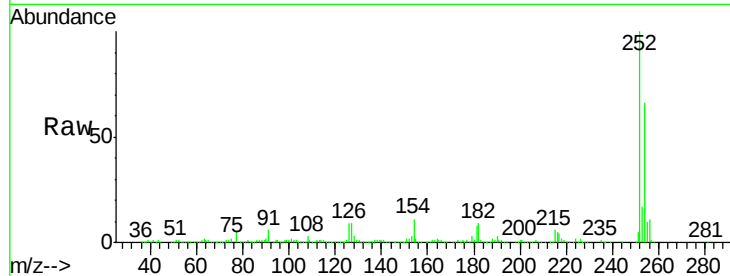
#81
 3,3'-Dichlorobenzidine
 Concen: 35.83 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	423354		
254	66.0	51.4	77.2	
126	9.4	16.4	24.6	

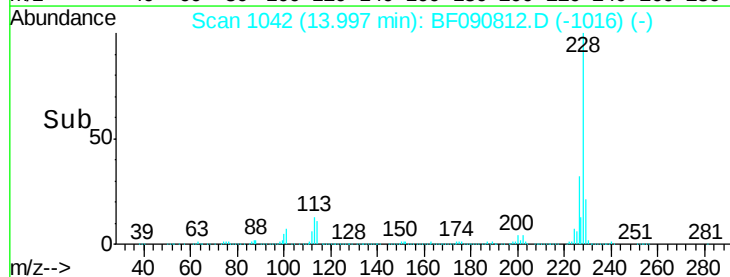
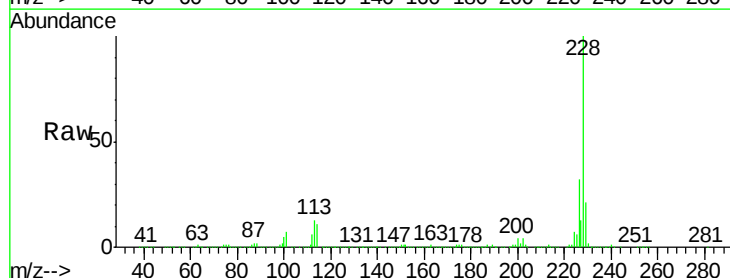
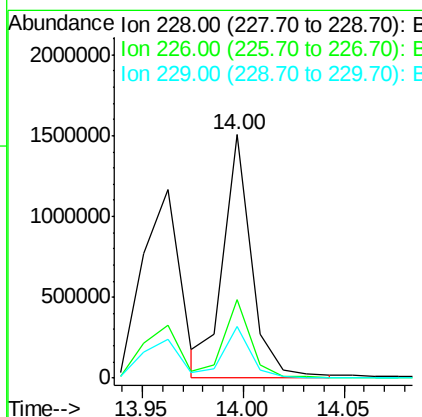
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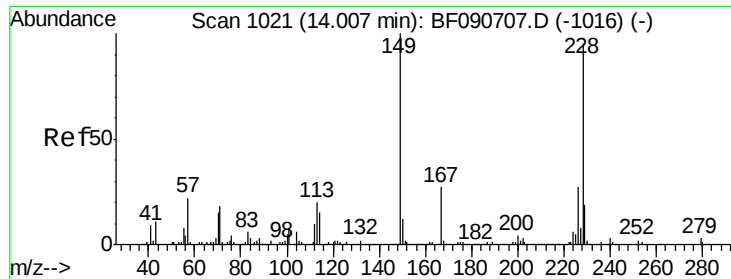
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#82
 Chrysene
 Concen: 44.31 ng m
 RT: 14.00 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1474448		
226	32.3	21.0	31.4	
229	21.0	15.6	23.4	





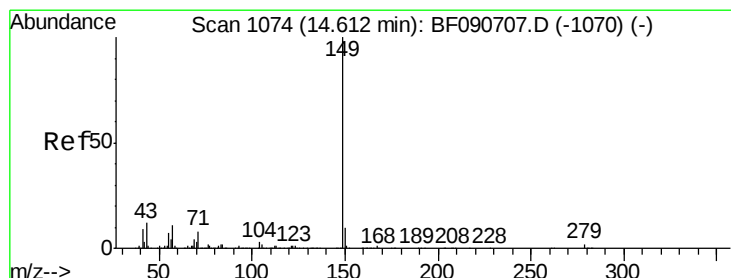
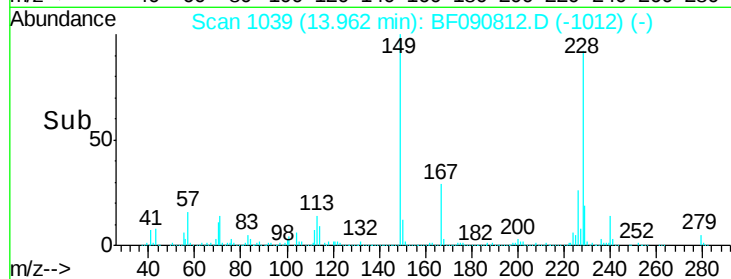
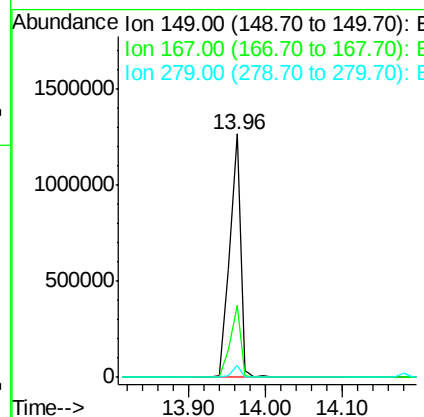
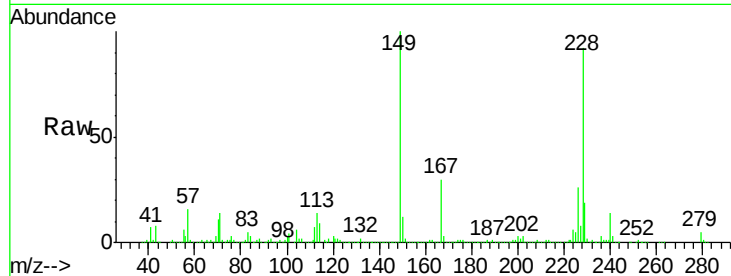
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.38 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 MW-01S-101916MSD

Tot Ion:149 Resp: 1298794
 Ion Ratio Lower Upper
 149 100
 167 29.5 24.2 36.2
 279 5.0 3.8 5.6

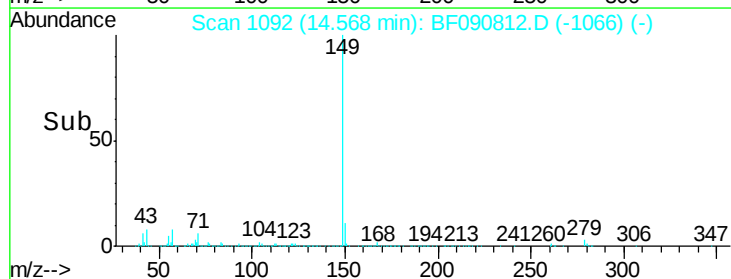
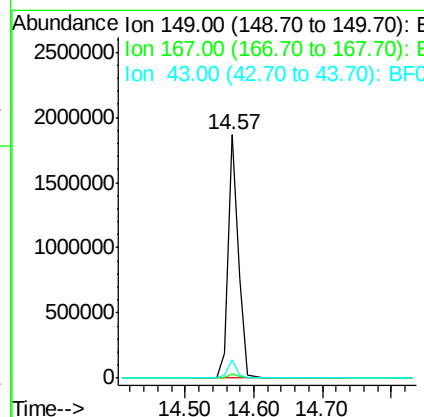
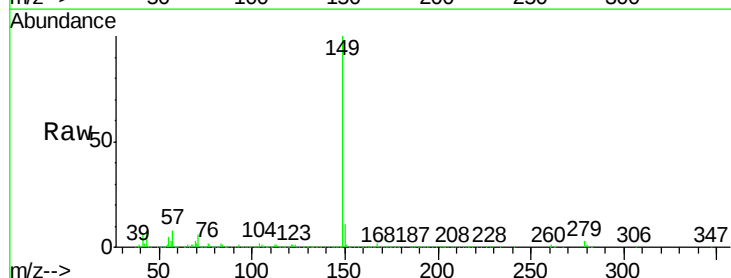
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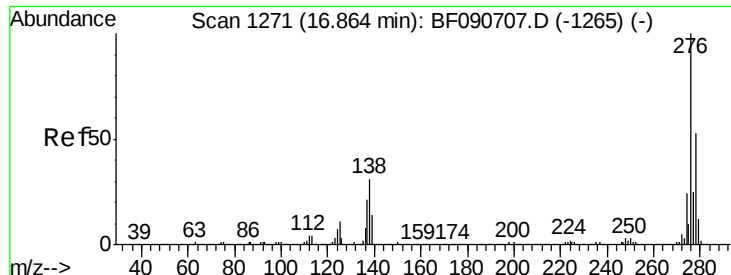
umangi
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#84
 Di-n-octyl phthalate
 Concen: 45.07 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: BF090812.D
 Acq: 25 Oct 2016 17:30

Tgt Ion:149 Resp: 1957643
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.0 1.6#
 43 6.7 10.2 15.2#





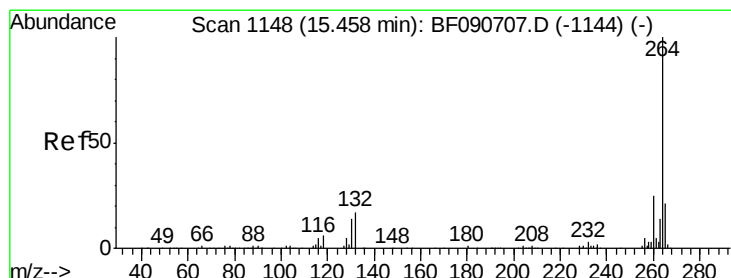
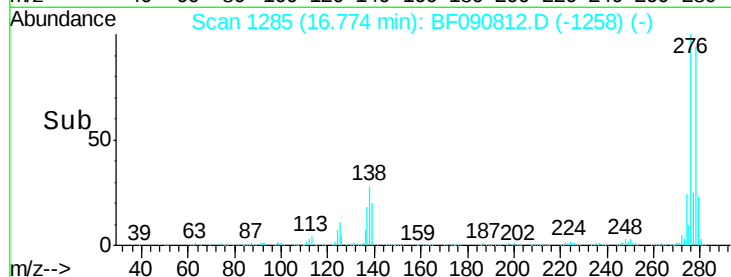
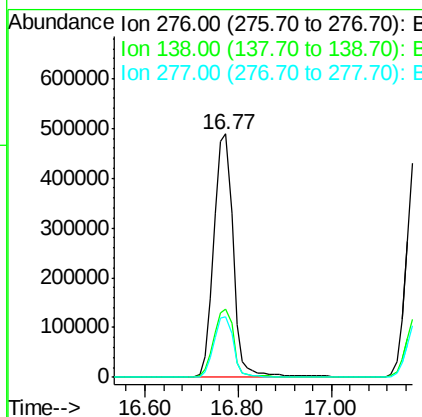
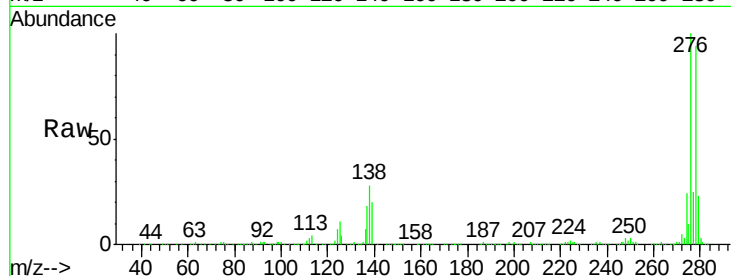
#85
Indeno(1,2,3-cd)pyrene
Concen: 48.86 ng
RT: 16.77 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion:276 Resp: 1418584
Ion Ratio Lower Upper
276 100
138 29.1 25.7 38.5
277 25.2 15.6 23.4#

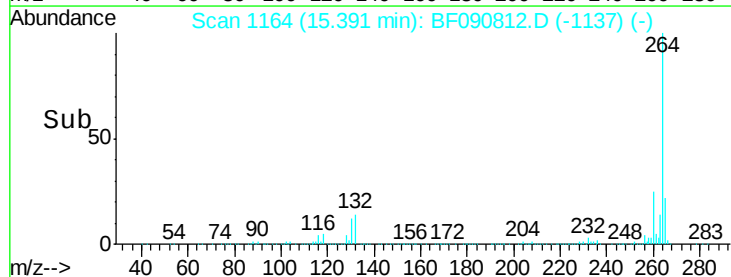
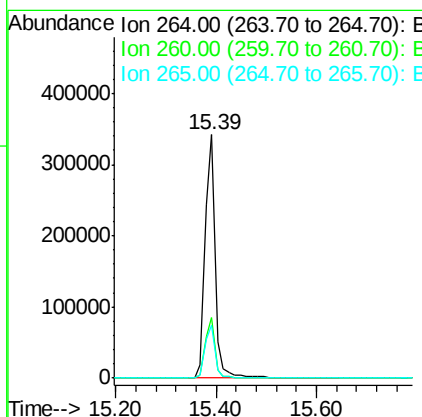
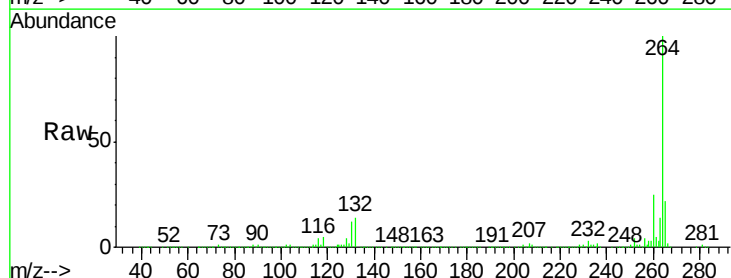
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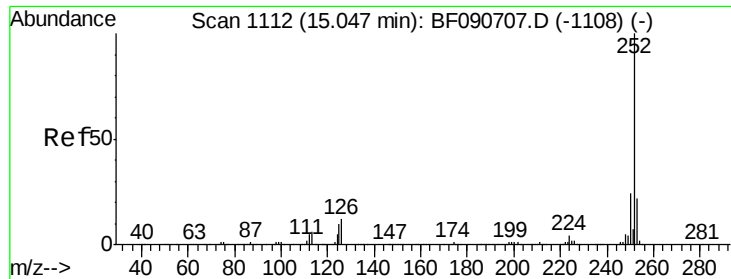
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion:264 Resp: 484077
Ion Ratio Lower Upper
264 100
260 24.8 16.7 25.1
265 21.7 17.2 25.8





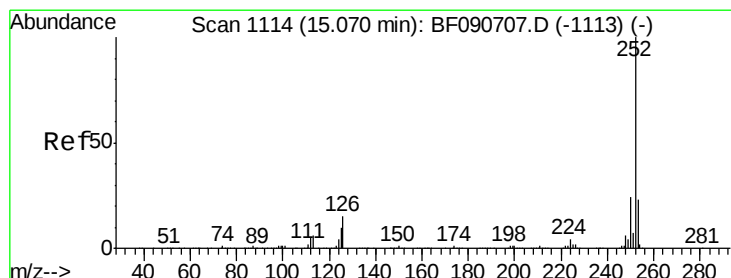
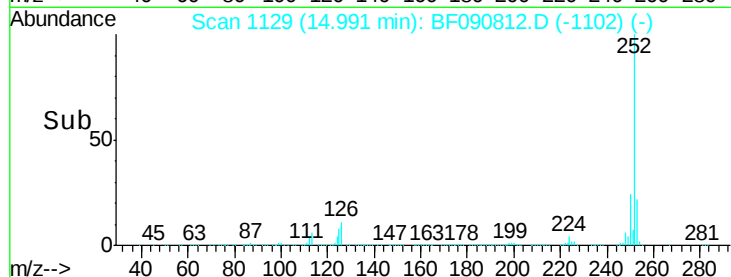
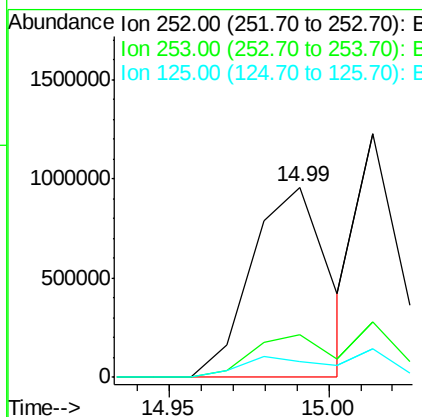
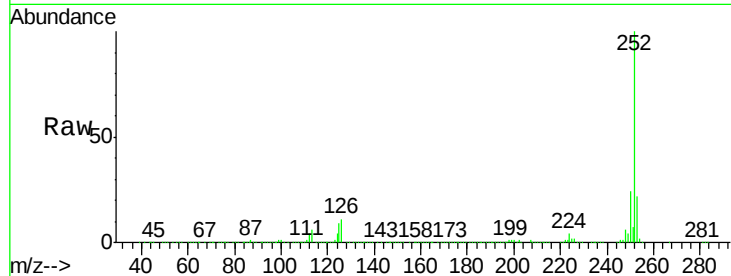
#87
Benzo(b)fluoranthene
Concen: 53.75 ng m
RT: 14.99 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampleId :
MW-01S-101916MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	8.5	17.1	25.7

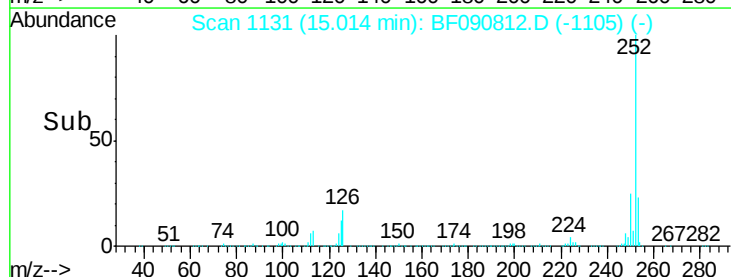
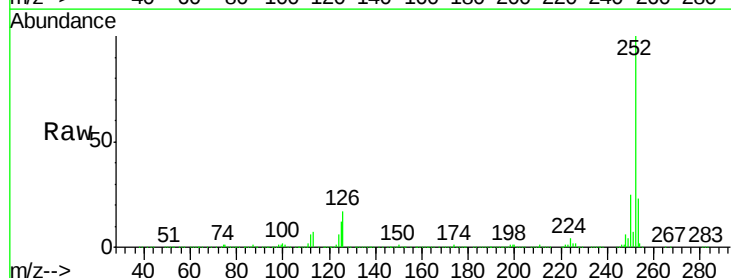
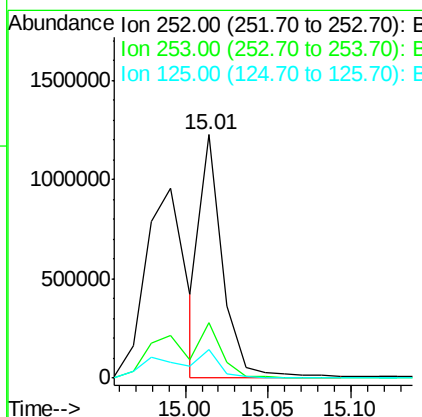
Manual Integrations
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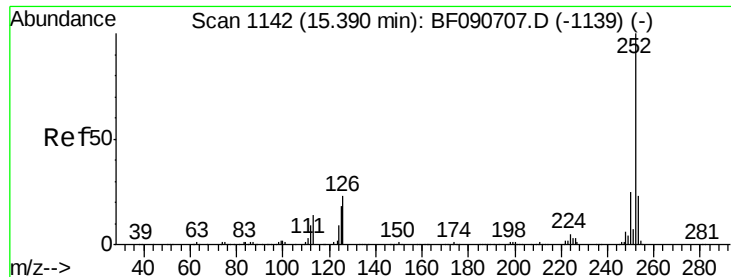
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#88
Benzo(k)fluoranthene
Concen: 39.66 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	12.0	16.0	24.0





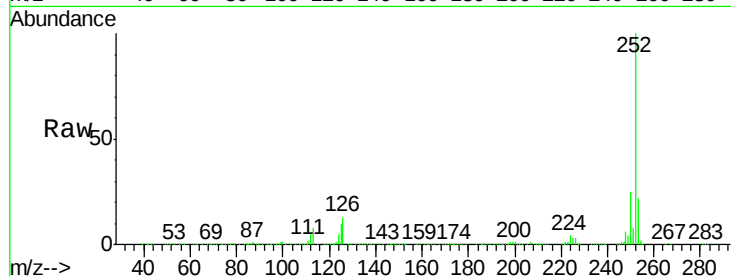
#89
Benzo(a)pyrene
Concen: 47.33 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Instrument :
BNA_F
ClientSampled :
MW-01S-101916MSD

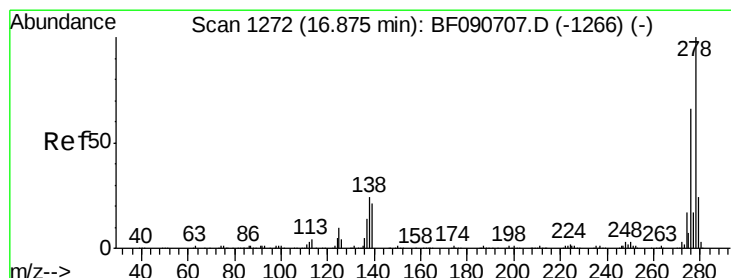
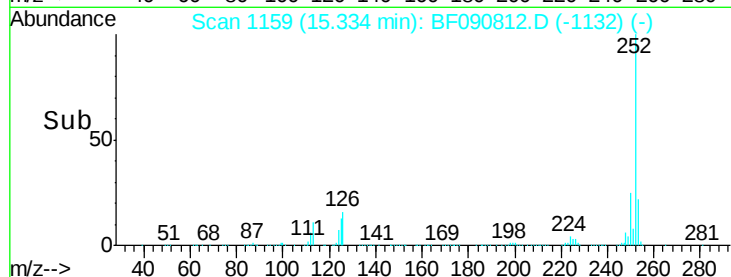
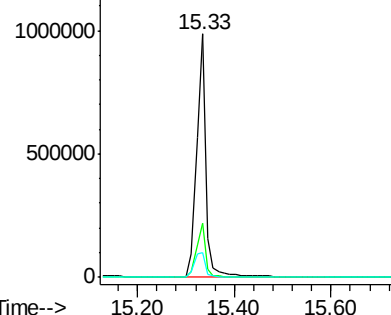
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	10.3	18.0	27.0

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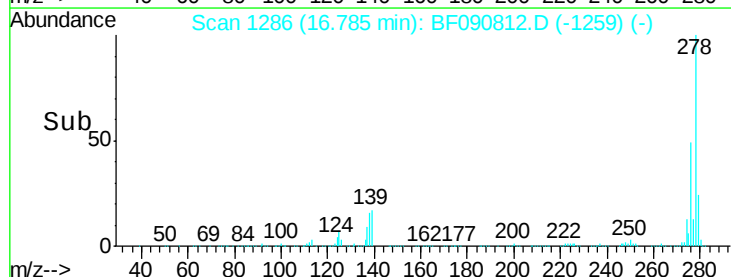
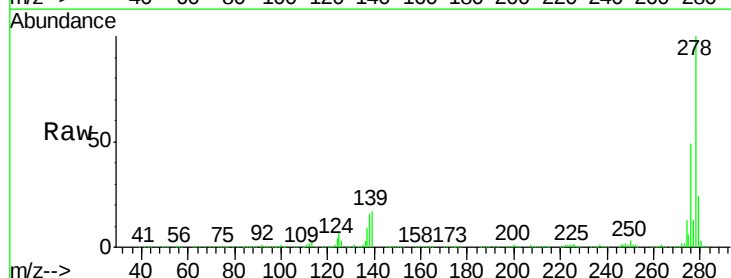
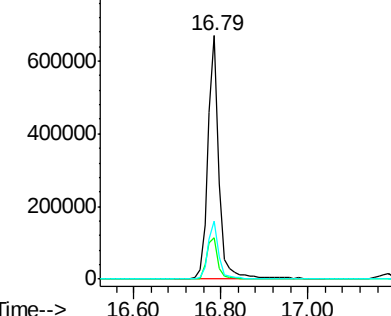
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

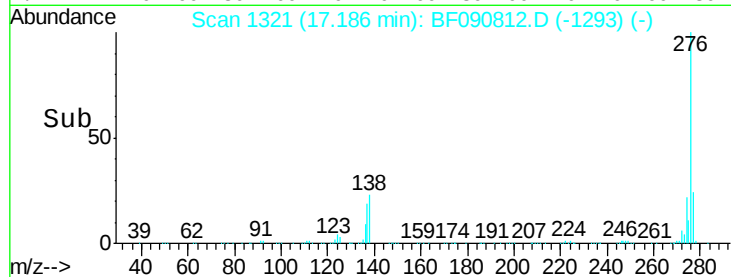
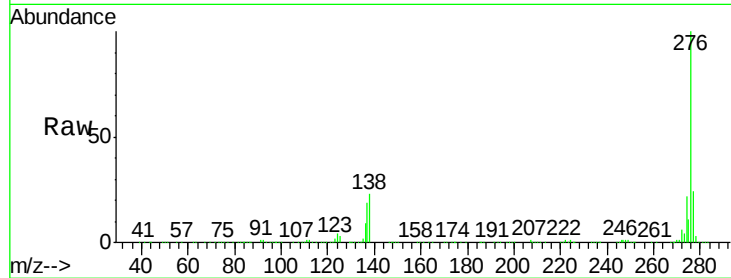
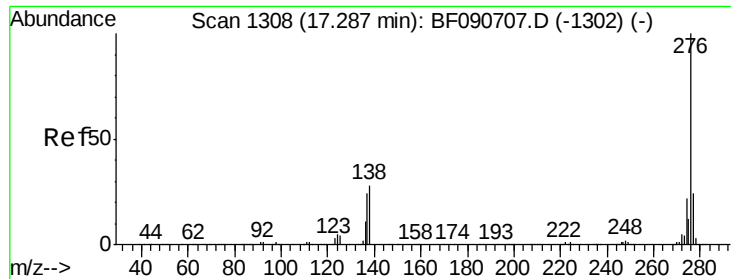


#90
Dibenzo(a,h)anthracene
Concen: 45.17 ng
RT: 16.79 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF090812.D
Acq: 25 Oct 2016 17:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	26.3	39.5
279	23.9	18.2	27.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 44.54 ng

RT: 17.19 min Scan# 1321

Delta R.T. 0.02 min

Lab File: BF090812.D

Acq: 25 Oct 2016 17:30

Instrument :

BNA_F

ClientSampleId :

MW-01S-101916MSD

Tot Ion: 276 Resp: 1158404

Ion Ratio Lower Upper

276 100

277 23.6 17.8 26.6

138 22.8 34.6 51.8#

Manual Integrations
APPROVED

umangi
10/26/2016 4:45:39 PM

