

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089436.D
 Acq On : 30 Jul 2016 4:41
 Operator : UM/SJ
 Sample : H4221-23MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Manual Integrations
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 8/1/2016 6:59:46 PM

Quant Time: Jul 30 05:08:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 30 01:00:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	42107	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	173946	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	72195	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	123902	20.00	ng	0.00
75) Chrysene-d12	13.63	240	81455	20.00	ng	0.00
86) Perylene-d12	14.97	264	87560	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.10	112	225467	85.50	ng	0.01
7) Phenol-d6	6.18	99	226607	65.02	ng	0.00
23) Nitrobenzene-d5	7.10	82	281841	95.64	ng	0.00
41) 2,4,6-Tribromophenol	10.33	330	67592	113.04	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	457794	93.06	ng	0.00
78) Terphenyl-d14	12.59	244	281621	80.92	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.96	88	30974	24.57	ng	93
3) Pyridine	2.58	79	51696	20.04	ng	99
4) n-Nitrosodimethylamine	2.54	42	24260	26.89	ng	92
6) Aniline	6.18	93	108149	28.74	ng	94
8) 2-Chlorophenol	6.31	128	111005	37.21	ng	96
9) Benzaldehyde	6.06	77	75152	44.16	ng	92
10) Phenol	6.19	94	82765	21.52	ng	99
11) bis(2-Chloroethyl)ether	6.26	93	131725	40.31	ng	93
12) 1,3-Dichlorobenzene	6.46	146	99778m	31.98	ng	
13) 1,4-Dichlorobenzene	6.54	146	114845	33.35	ng	96
14) 1,2-Dichlorobenzene	6.68	146	117135	36.31	ng	94
15) Benzyl Alcohol	6.67	79	89167	41.23	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.81	45	134687	37.79	ng	89
17) 2-Methylphenol	6.80	107	79705	34.57	ng	99
18) Hexachloroethane	7.03	117	42339	32.07	ng	# 84
19) n-Nitroso-di-n-propylamine	6.95	70	91500	43.54	ng	# 90
20) 3+4-Methylphenols	6.96	107	103827	35.07	ng	92
22) Acetophenone	6.94	105	163399	39.46	ng	# 93
24) Nitrobenzene	7.11	77	124878	37.23	ng	89
25) Isophorone	7.35	82	248516	41.86	ng	97
26) 2-Nitrophenol	7.43	139	62651	41.78	ng	# 87
27) 2,4-Dimethylphenol	7.48	122	96114	40.23	ng	98
28) bis(2-Chloroethoxy)methane	7.58	93	163297	49.69	ng	98
29) 2,4-Dichlorophenol	7.68	162	94100	43.23	ng	96
30) 1,2,4-Trichlorobenzene	7.75	180	96078	38.68	ng	94
31) Naphthalene	7.83	128	361132	41.93	ng	99
32) Benzoic acid	7.61	122	18217	10.94	ng	94
33) 4-Chloroaniline	7.90	127	85052	25.94	ng	99
34) Hexachlorobutadiene	7.95	225	47769	33.58	ng	98
35) Caprolactam	8.25	113	7494	11.41	ng	92
36) 4-Chloro-3-methylphenol	8.38	107	103965	40.19	ng	90
37) 2-Methylnaphthalene	8.51	142	219771	42.34	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.68	216	91951	36.40	ng	99
40) Hexachlorocyclopentadiene	8.67	237	43324	62.37	ng	98

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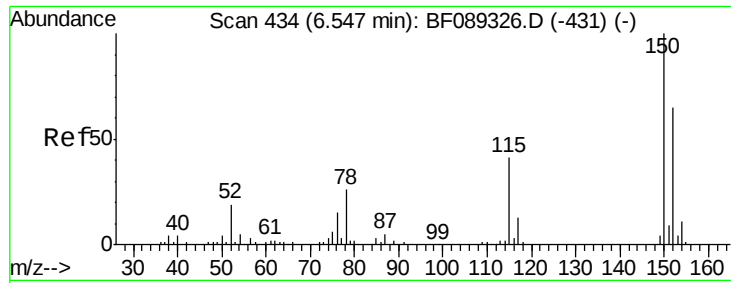
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.80	196	59181	49.27	ng	98
43) 2,4,5-Trichlorophenol	8.84	196	65609	43.12	ng	96
45) 1,1'-Biphenyl	8.98	154	256813	41.78	ng	96
46) 2-Chloronaphthalene	9.00	162	209072	45.29	ng	92
47) 2-Nitroaniline	9.11	65	64187	46.95	ng	87
48) Acenaphthylene	9.40	152	318878	43.85	ng	99
49) Dimethylphthalate	9.29	163	246701	44.90	ng	100
50) 2,6-Dinitrotoluene	9.35	165	49651	43.98	ng	# 64
51) Acenaphthene	9.58	154	185522	43.69	ng	99
52) 3-Nitroaniline	9.52	138	40311	33.84	ng	# 83
53) 2,4-Dinitrophenol	9.64	184	24676	56.45	ng	96
54) Dibenzofuran	9.75	168	277085	47.89	ng	96
55) 4-Nitrophenol	9.71	139	16596m	32.57	ng	
56) 2,4-Dinitrotoluene	9.76	165	65298	43.93	ng	# 68
57) Fluorene	10.09	166	223908	44.33	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.87	232	47604	46.86	ng	95
59) Diethylphthalate	9.99	149	262652	47.15	ng	96
60) 4-Chlorophenyl-phenylether	10.09	204	108478	46.82	ng	93
61) 4-Nitroaniline	10.14	138	39818	32.42	ng	85
62) Azobenzene	10.25	77	274469	47.84	ng	88
64) 4,6-Dinitro-2-methylphenol	10.17	198	20445	29.21	ng	96
65) n-Nitrosodiphenylamine	10.22	169	189934	49.13	ng	99
66) 4-Bromophenyl-phenylether	10.57	248	59133	49.99	ng	# 81
67) Hexachlorobenzene	10.64	284	55122	45.47	ng	# 70
68) Atrazine	10.74	200	53628	45.15	ng	97
69) Pentachlorophenol	10.83	266	39743	68.60	ng	99
70) Phenanthrene	11.04	178	284299	44.49	ng	100
71) Anthracene	11.10	178	300442	42.29	ng	99
72) Carbazole	11.26	167	249197	41.67	ng	100
73) Di-n-butylphthalate	11.60	149	363259	45.27	ng	# 98
74) Fluoranthene	12.22	202	261152	38.85	ng	98
76) Benzidine	12.35	184	83217	27.65	ng	98
77) Pyrene	12.44	202	246639	39.95	ng	99
79) Butylbenzylphthalate	13.07	149	118201	42.11	ng	89
80) Benzo(a)anthracene	13.62	228	200267	43.57	ng	100
81) 3,3'-Dichlorobenzidine	13.60	252	55644	33.64	ng	97
82) Chrysene	13.66	228	210676	43.06	ng	99
83) Bis(2-ethylhexyl)phthalate	13.65	149	167558	41.30	ng	# 95
84) Di-n-octyl phthalate	14.25	149	286110	45.19	ng	100
85) Indeno(1,2,3-cd)pyrene	16.15	276	232560	66.85	ng	99
87) Benzo(b)fluoranthene	14.62	252	201198m	37.00	ng	
88) Benzo(k)fluoranthene	14.64	252	227436m	45.49	ng	
89) Benzo(a)pyrene	14.91	252	211176	43.29	ng	99
90) Dibenzo(a,h)anthracene	16.16	278	196785	51.21	ng	95
91) Benzo(g,h,i)perylene	16.50	276	191873	50.80	ng	96

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



#1

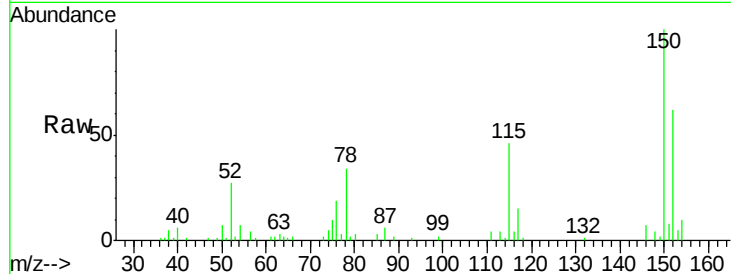
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

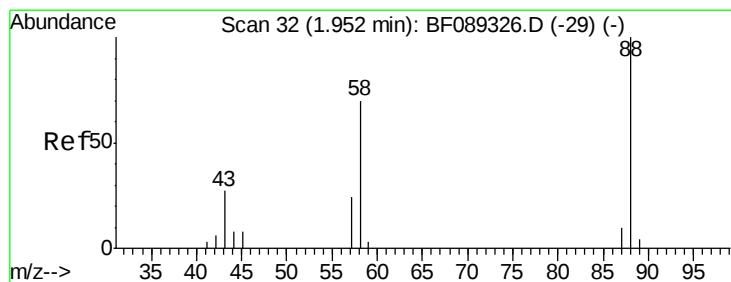
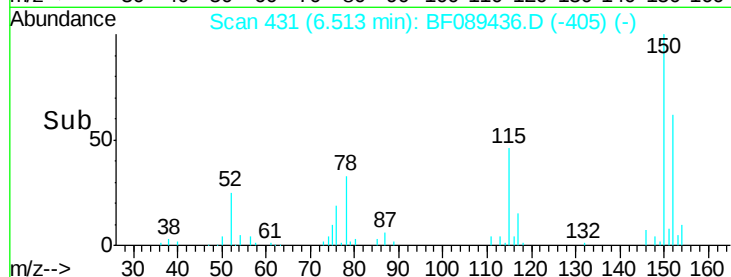
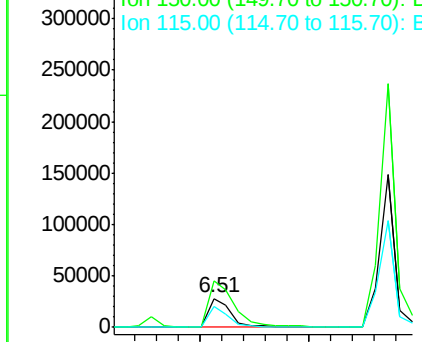
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	129.5	194.3
115	73.7	51.4	77.2

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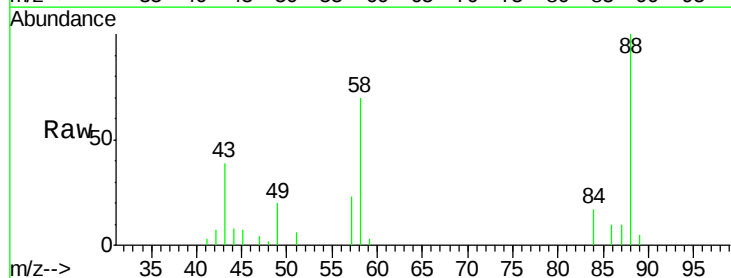
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



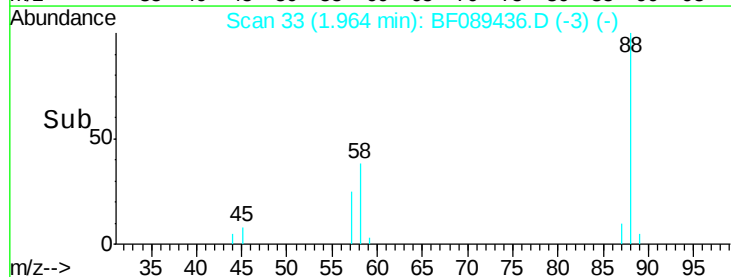
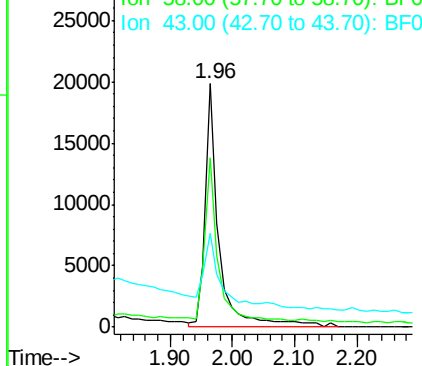
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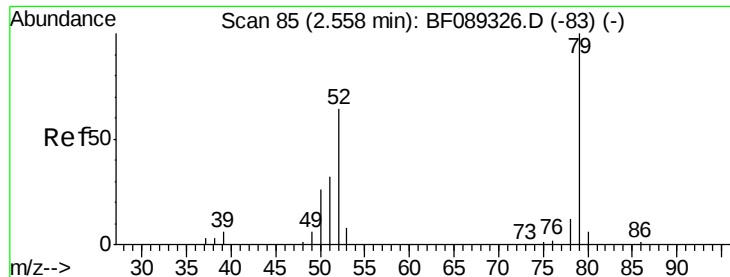
1,4-Dioxane
Concen: 24.57 ng
RT: 1.96 min Scan# 33
Delta R.T. 0.05 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.4	53.2	79.8
43	27.8	20.6	31.0



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

Pyridine

Concen: 20.04 ng

RT: 2.58 min Scan# 87

Delta R.T. 0.07 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

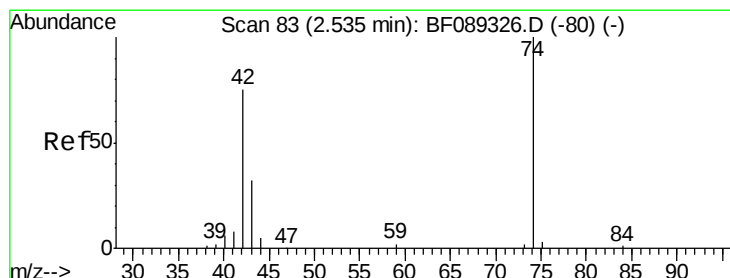
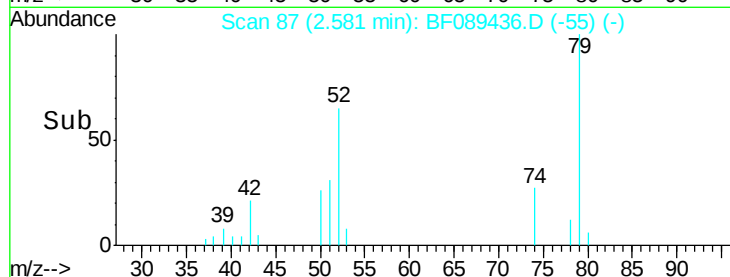
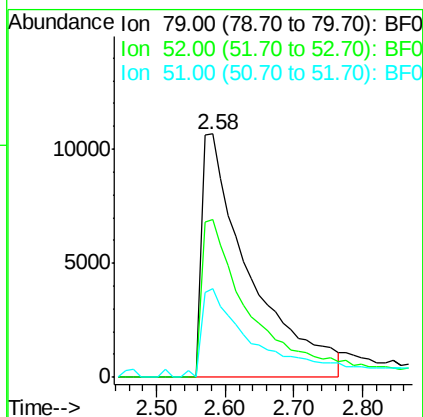
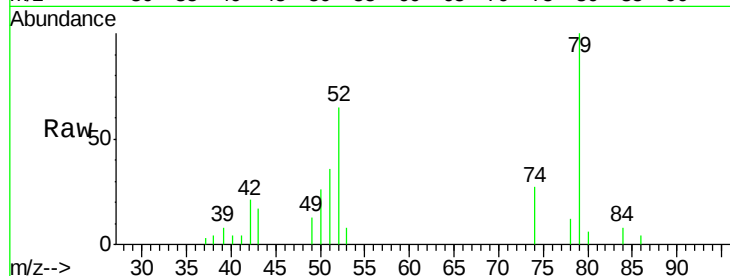
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	79	Resp:	51696
Ion	Ratio	Lower	Upper
79	100		
52	64.9	51.9	77.9
51	36.4	28.2	42.4

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#4

n-Nitrosodimethylamine

Concen: 26.89 ng

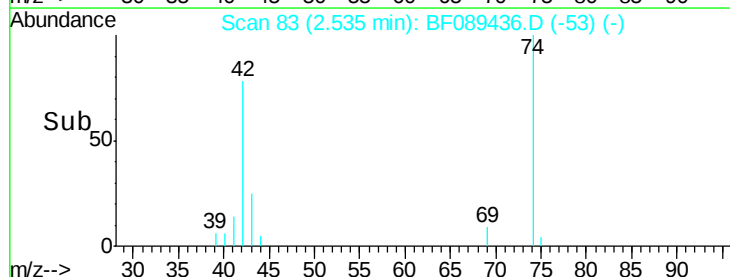
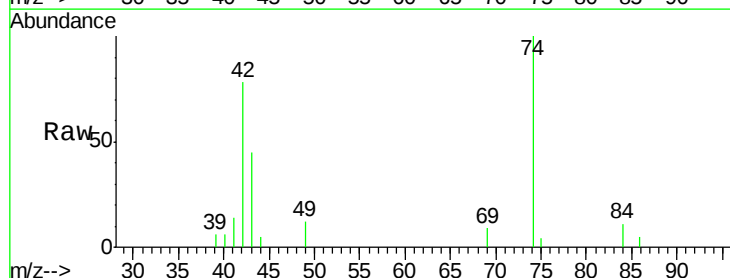
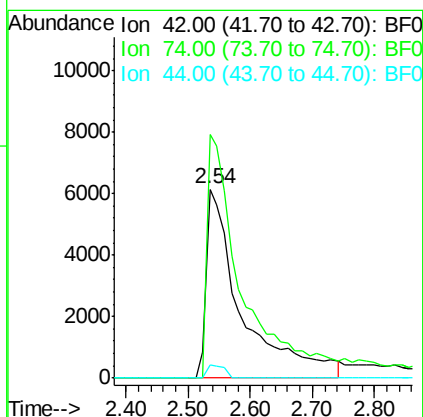
RT: 2.54 min Scan# 83

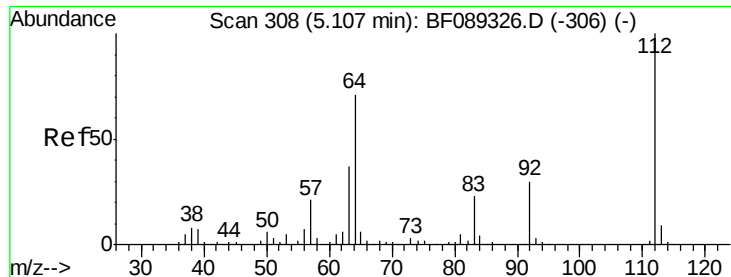
Delta R.T. 0.05 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	42	Resp:	24260
Ion	Ratio	Lower	Upper
42	100		
74	128.7	110.8	166.2
44	7.0	5.2	7.8





#5

2-Fluorophenol

Concen: 85.50 ng

RT: 5.10 min Scan# 307

Delta R.T. 0.01 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion: 112 Resp: 225467
Ion Ratio Lower Upper

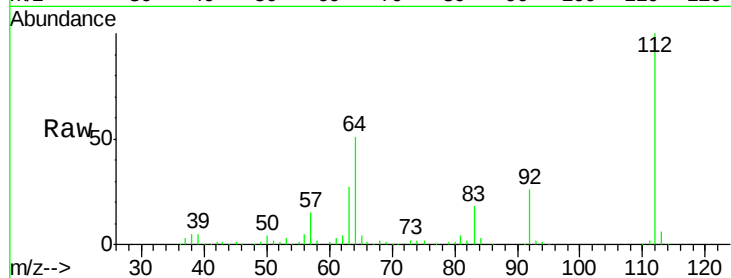
112 100

64 50.9 55.0 82.6#

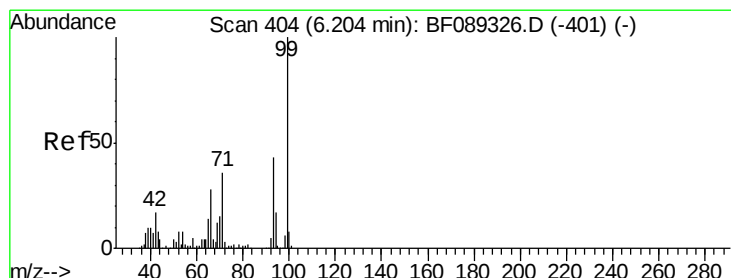
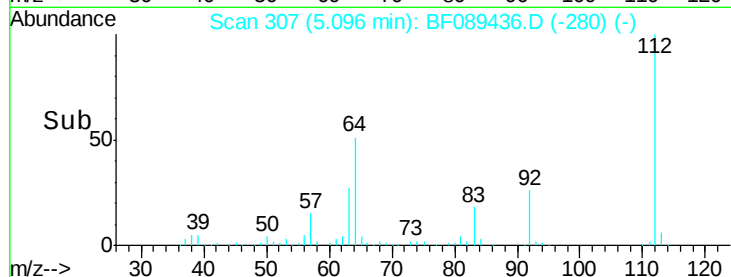
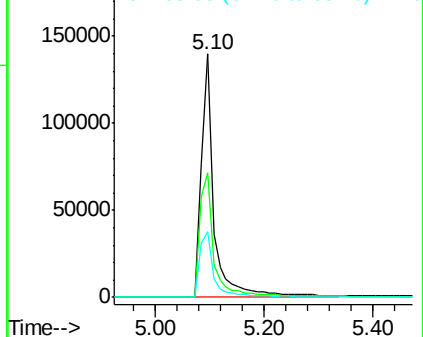
63 26.8 29.4 44.2#

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Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 28.74 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF089436.D

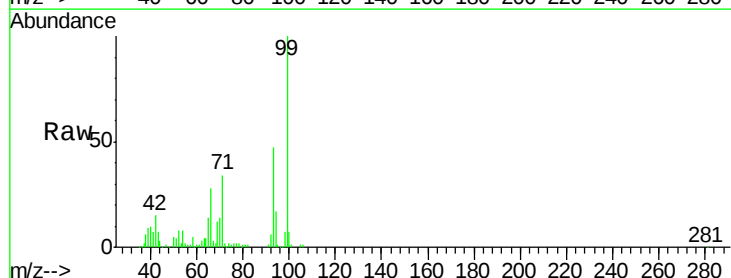
Acq: 30 Jul 2016 4:41

Tgt Ion: 93 Resp: 108149
Ion Ratio Lower Upper

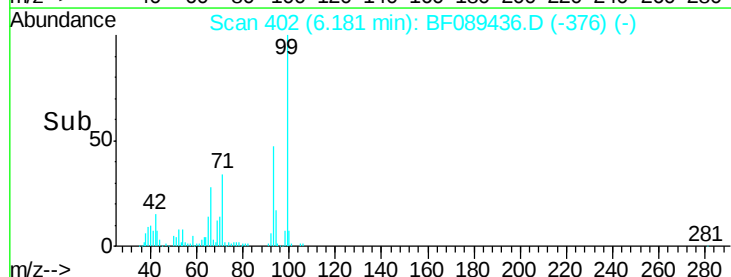
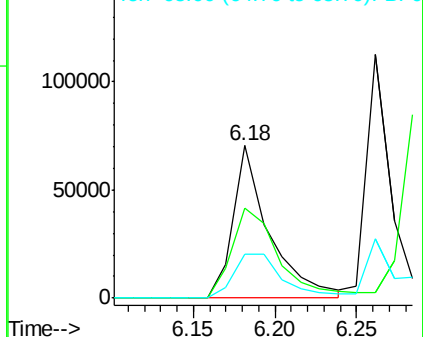
93 100

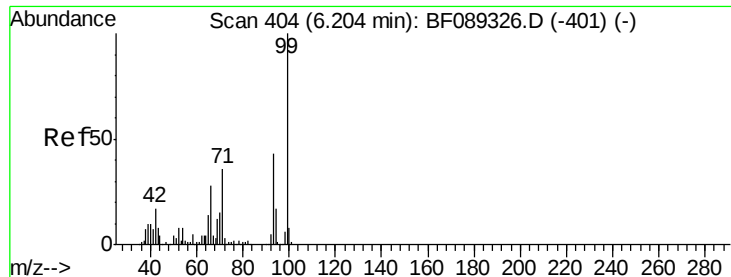
66 59.1 51.6 77.4

65 29.1 24.7 37.1



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 65.02 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion: 99 Resp: 226607

Ion Ratio Lower Upper

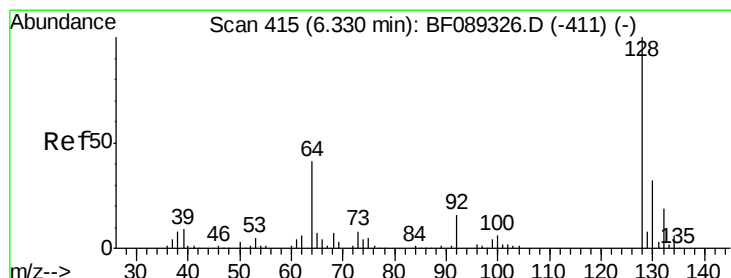
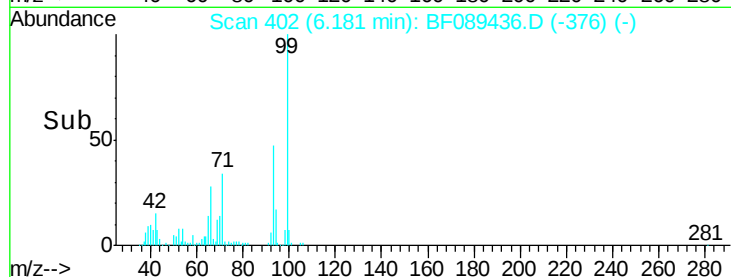
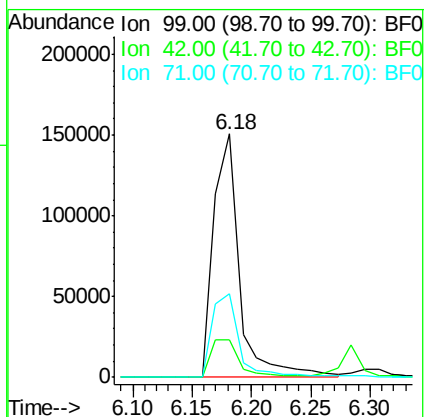
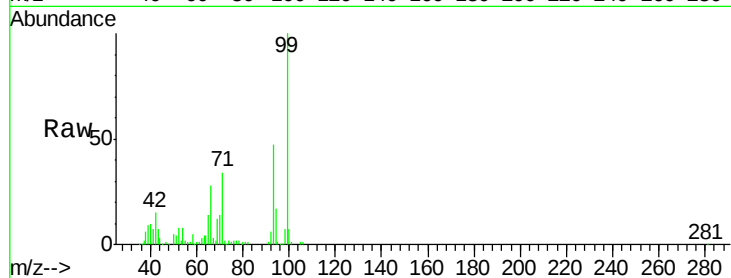
99 100

42 15.3 13.6 20.4

71 34.2 29.4 44.2

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#8

2-Chlorophenol

Concen: 37.21 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

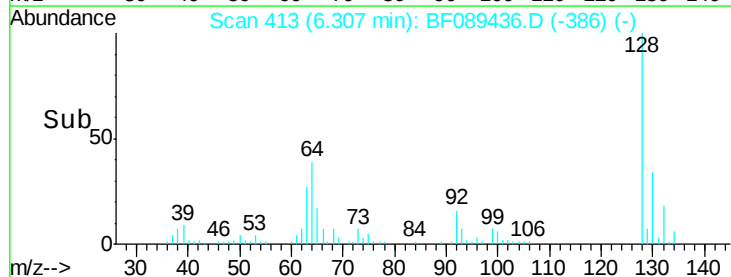
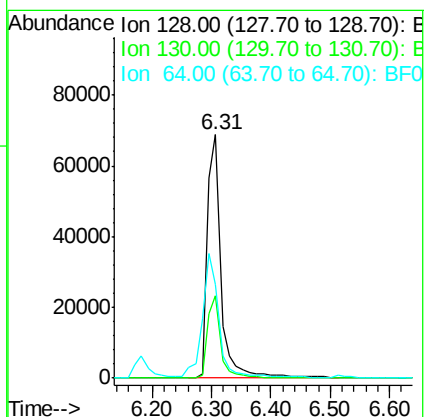
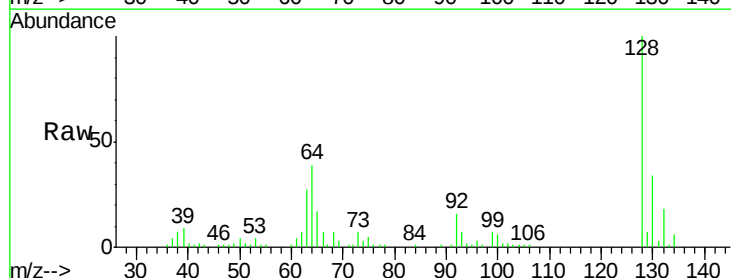
Tgt Ion: 128 Resp: 111005

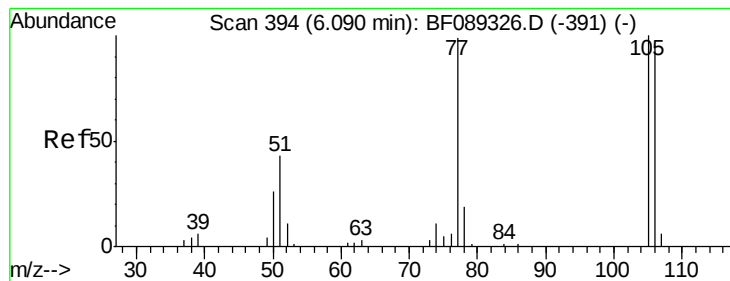
Ion Ratio Lower Upper

128 100

130 33.6 12.6 52.6

64 38.7 22.1 62.1





#9

Benzaldehyde

Concen: 44.16 ng

RT: 6.06 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

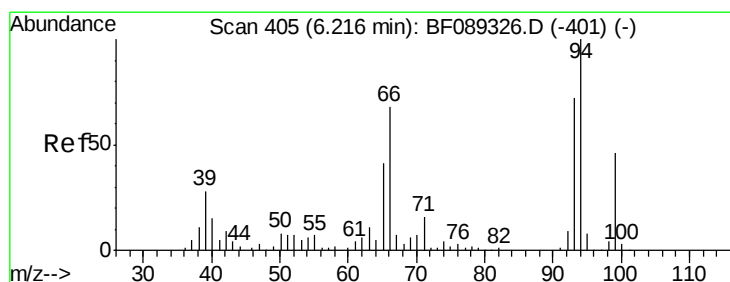
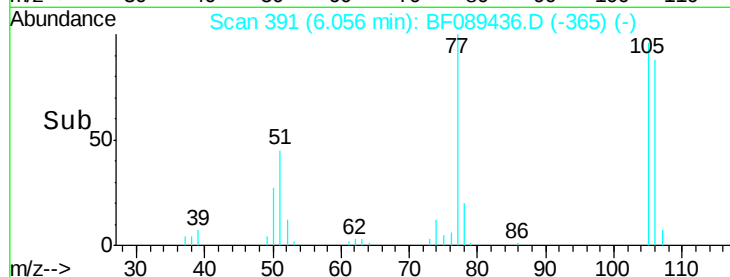
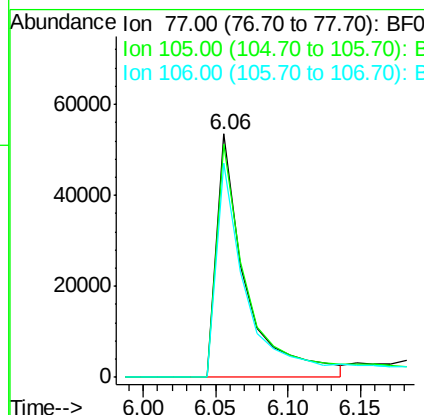
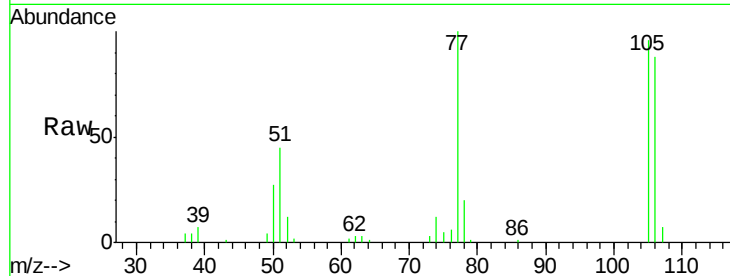
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	77	Resp:	75152
Ion Ratio	Lower	Upper	
77	100		
105	95.7	82.9	122.9
106	88.0	75.9	115.9

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#10

Phenol

Concen: 21.52 ng

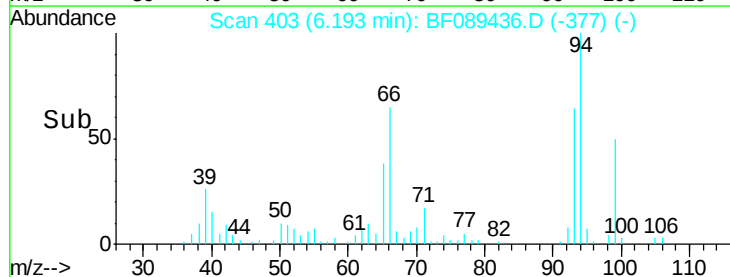
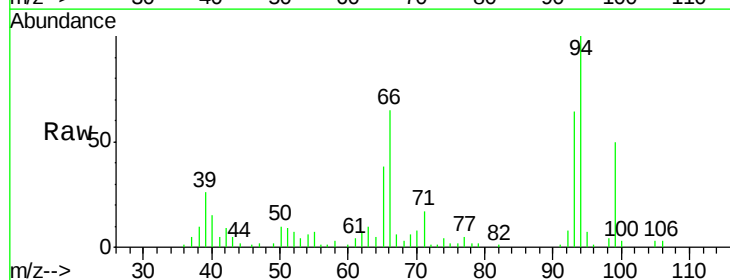
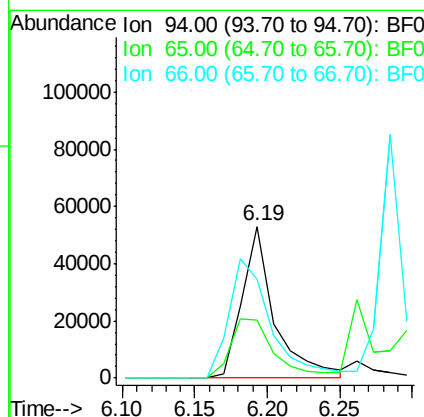
RT: 6.19 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	94	Resp:	82765
Ion Ratio	Lower	Upper	
94	100		
65	38.0	19.1	59.1
66	64.9	44.4	84.4





#11

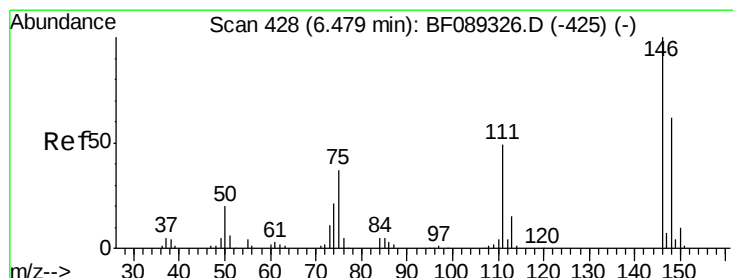
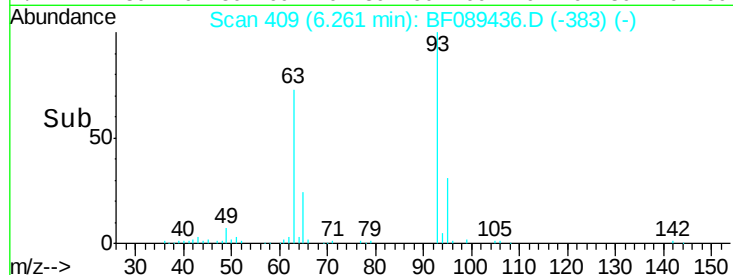
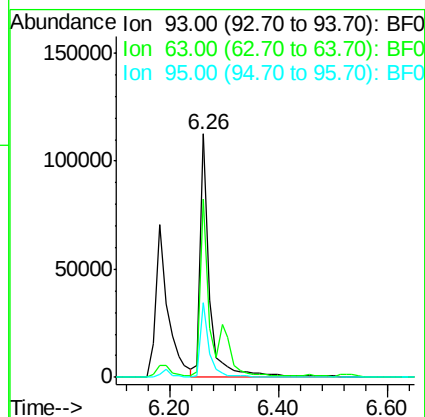
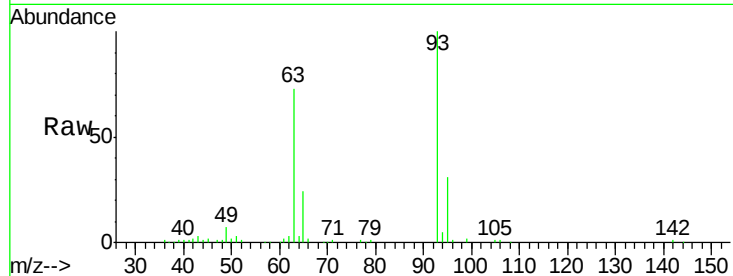
bis(2-Chloroethyl)ether
Concen: 40.31 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion:	93	Resp:	131725
Ion Ratio	Lower	Upper	
93	100		
63	73.4	45.6	85.6
95	30.6	11.1	51.1

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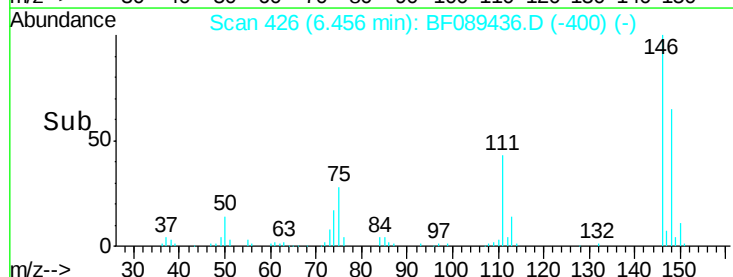
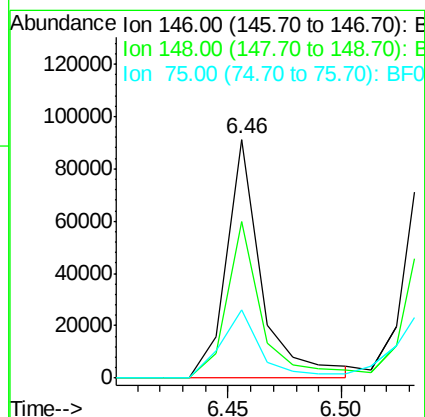
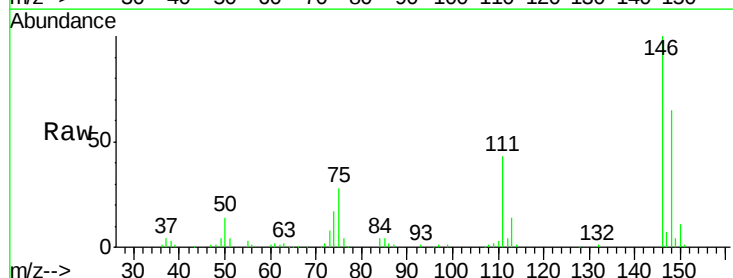
sohil
8/1/2016 6:59:46 PM



#12

1,3-Dichlorobenzene
Concen: 31.98 ng m
RT: 6.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion:	146	Resp:	99778
Ion Ratio	Lower	Upper	
146	100		
148	65.4	50.5	75.7
75	28.5	30.0	45.0#





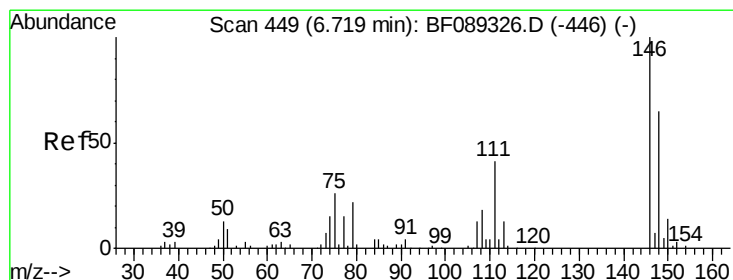
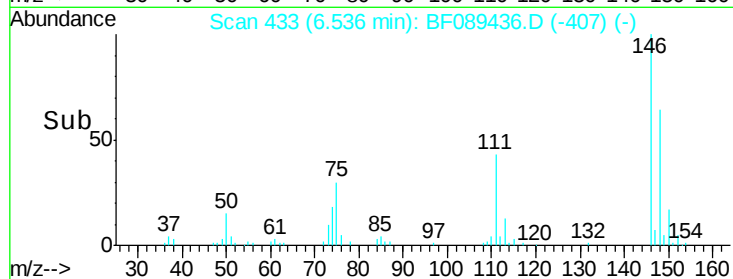
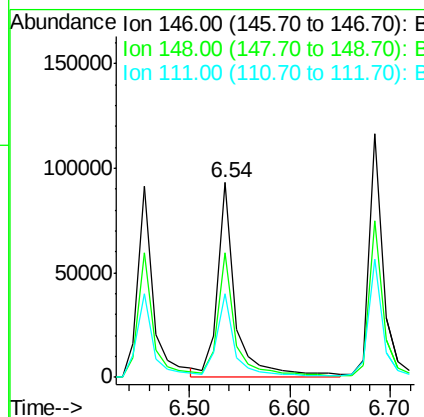
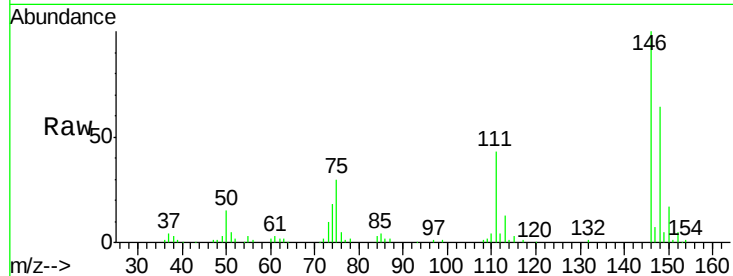
#13
 1,4-Dichlorobenzene
 Concen: 33.35 ng
 RT: 6.54 min Scan# 433
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	42.8	38.6	57.8

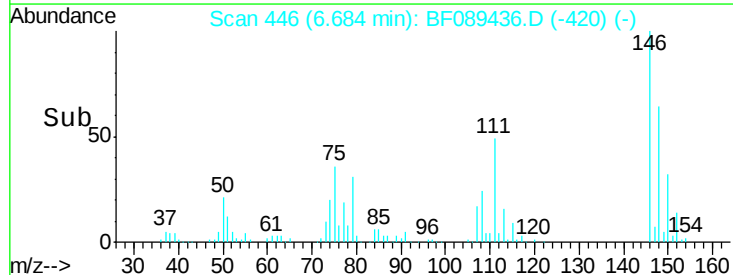
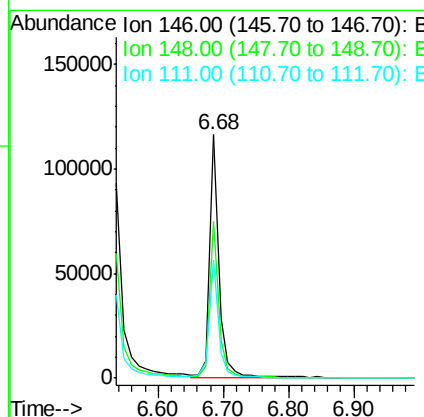
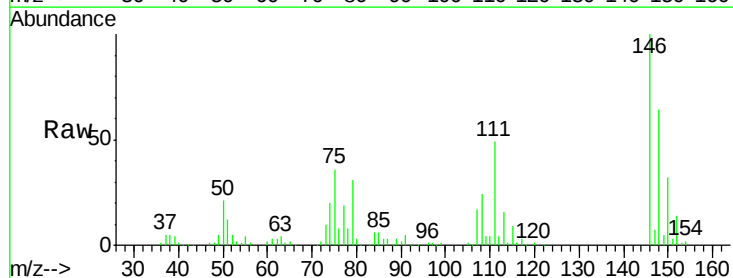
Manual Integrations
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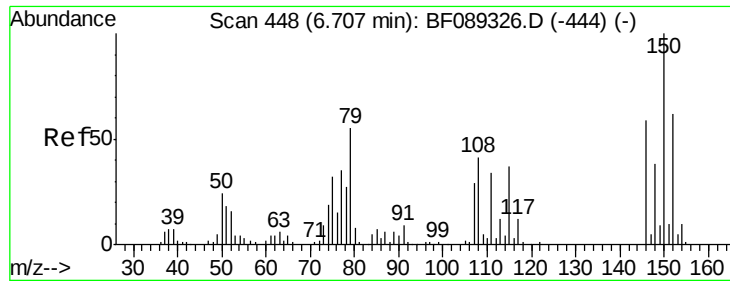
sohil
 8/1/2016 6:59:46 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.31 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	48.6	33.0	49.4





#15

Benzyl Alcohol

Concen: 41.23 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

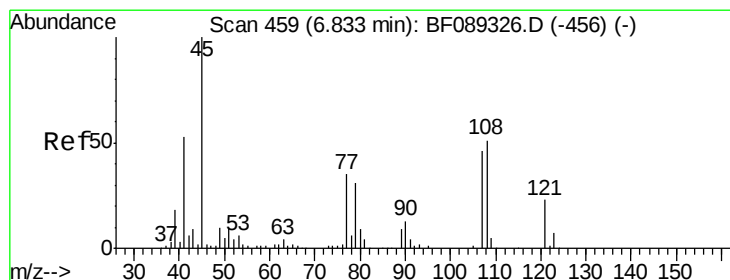
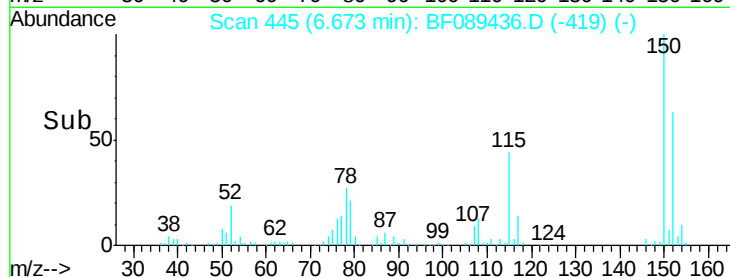
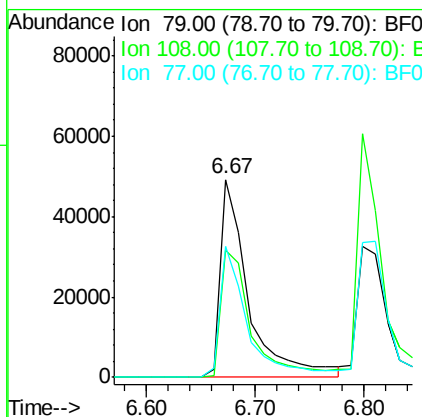
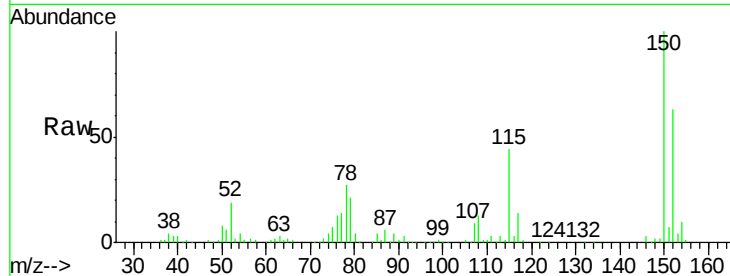
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	79	Resp:	89167
Ion Ratio	Lower	Upper	
79	100		
108	64.1	59.8	89.6
77	66.5	51.7	77.5

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.79 ng

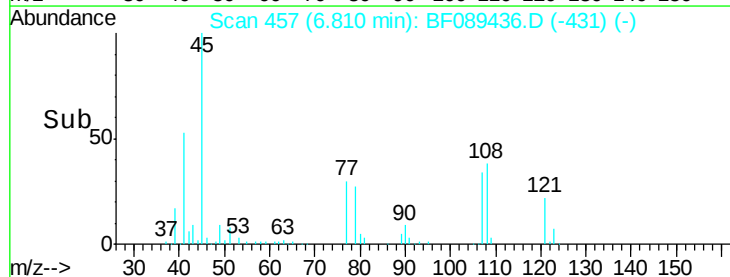
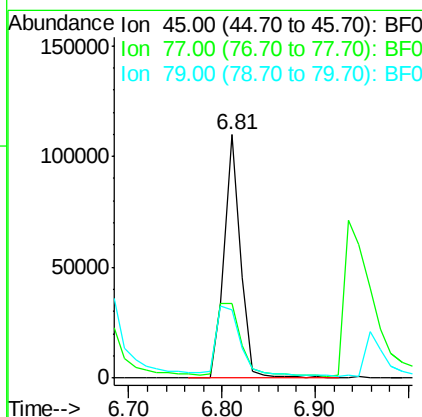
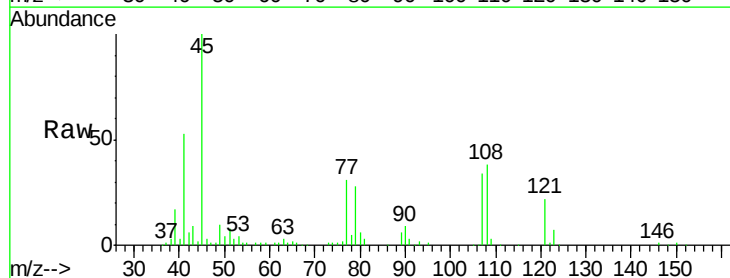
RT: 6.81 min Scan# 457

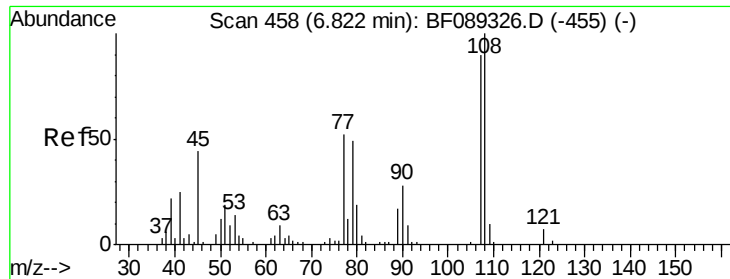
Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	45	Resp:	134687
Ion Ratio	Lower	Upper	
45	100		
77	30.9	17.3	57.3
79	27.9	13.9	53.9





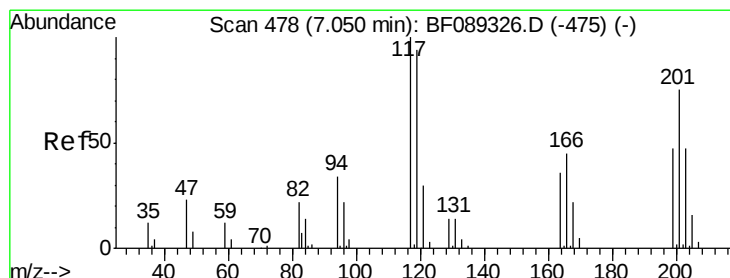
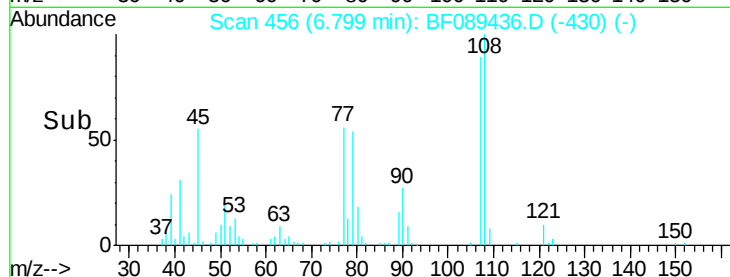
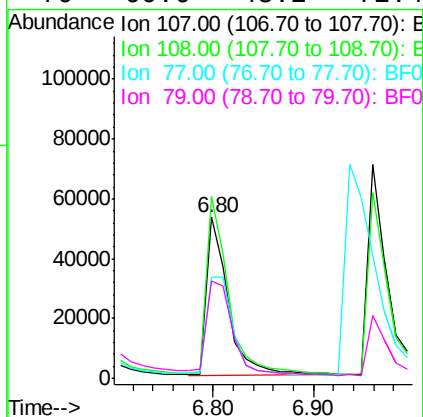
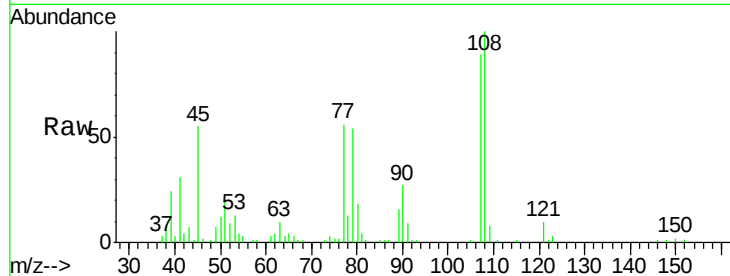
#17
2-Methylphenol
Concen: 34.57 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion:	107	Resp:	79705
Ion Ratio	Lower	Upper	
107	100		
108	112.6	91.4	137.0
77	62.6	48.6	73.0
79	60.6	48.2	72.4

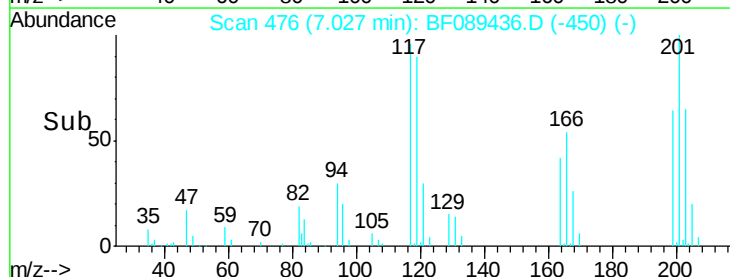
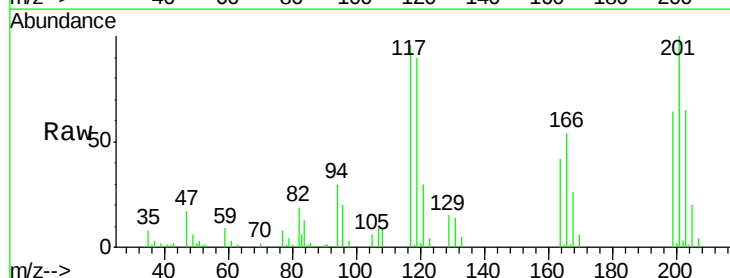
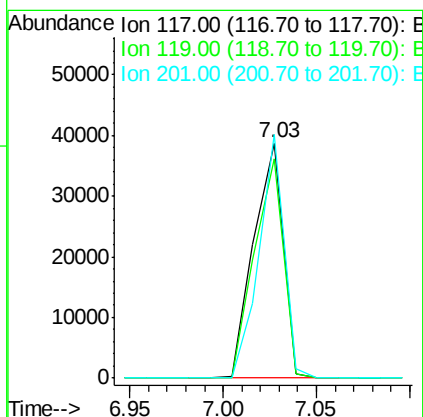
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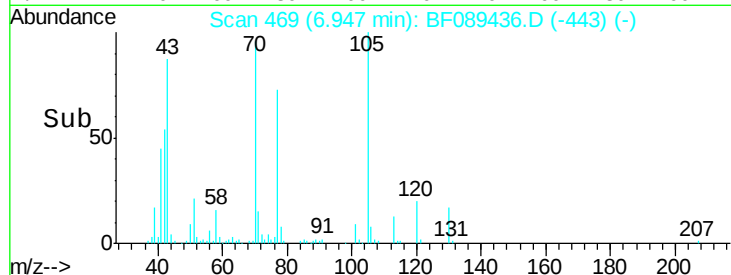
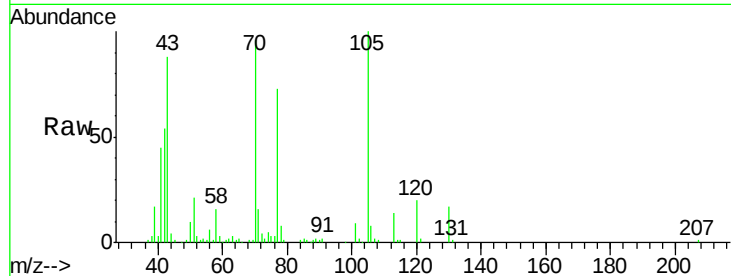
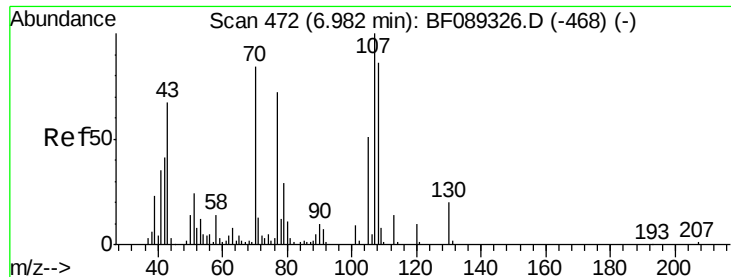
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#18
Hexachloroethane
Concen: 32.07 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion:	117	Resp:	42339
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.0	114.0
201	103.6	60.0	90.0#





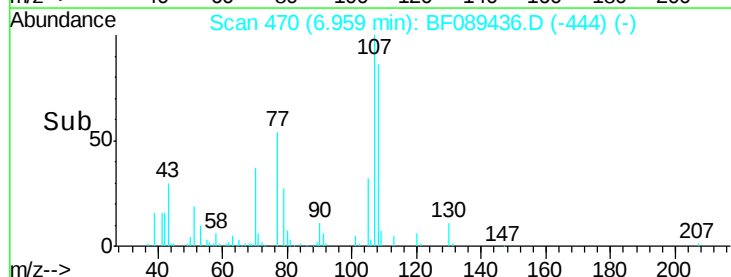
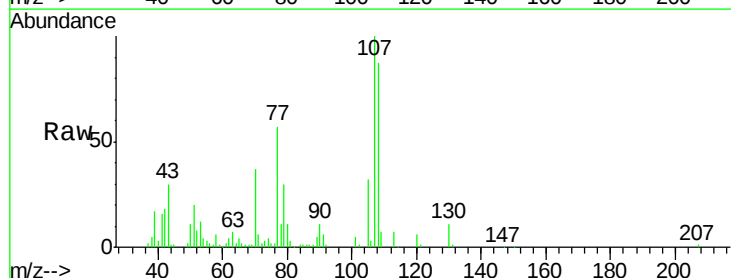
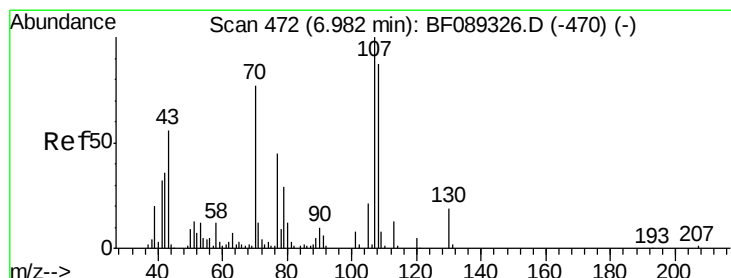
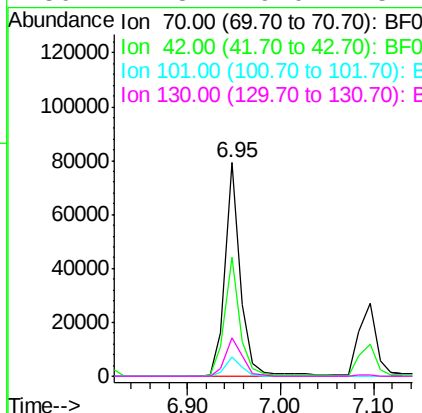
#19
n-Nitroso-di-n-propylamine
Concen: 43.54 ng
RT: 6.95 min Scan# 469
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.8	38.6	57.8
101	9.1	8.3	12.5
130	17.8	19.0	28.4

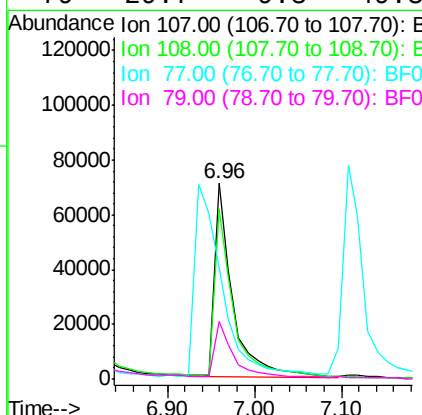
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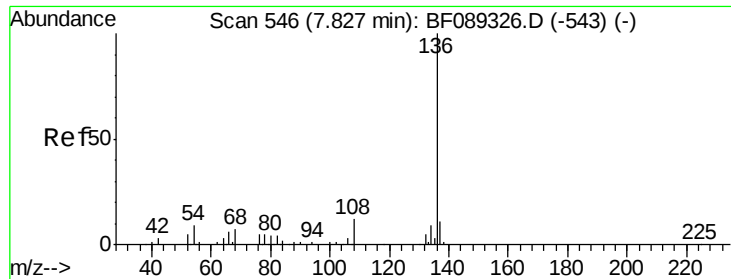
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#20
3+4-Methylphenols
Concen: 35.07 ng
RT: 6.96 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.9	63.3	103.3
77	57.3	51.1	91.1
79	29.7	9.3	49.3





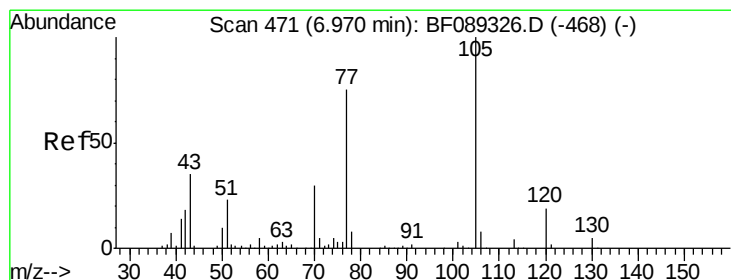
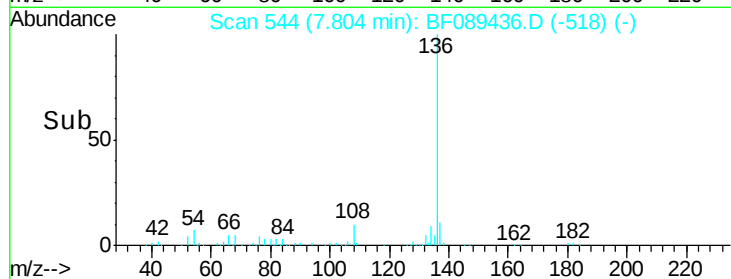
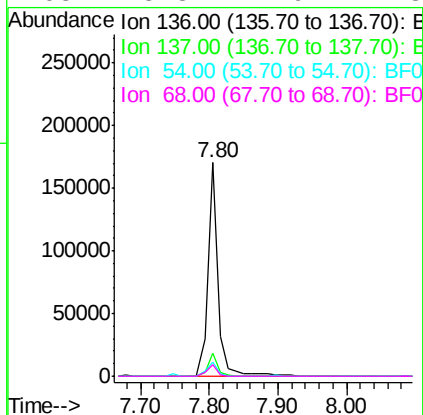
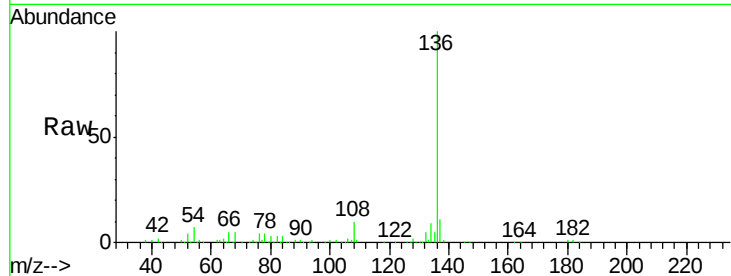
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	173946		
137	10.8	8.6	13.0	
54	6.9	7.0	10.4	
68	5.3	4.9	7.3	

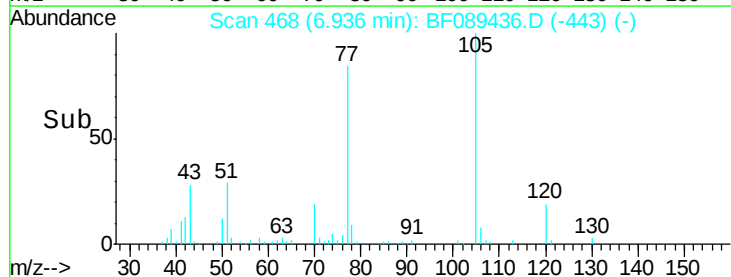
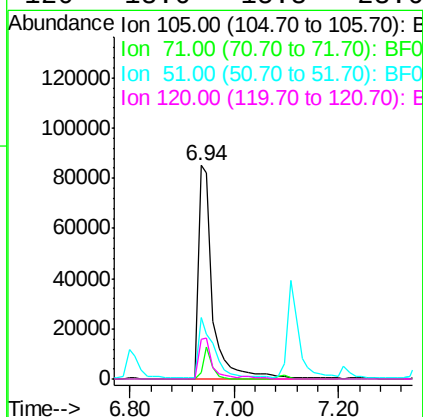
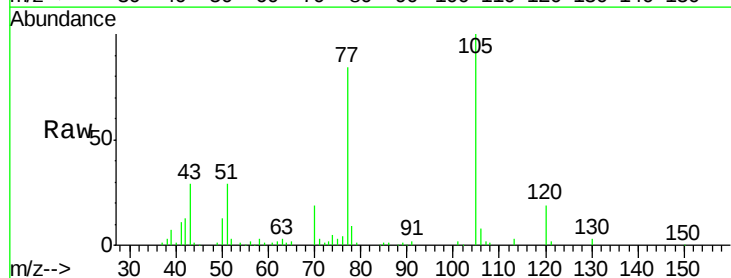
Manual Integrations
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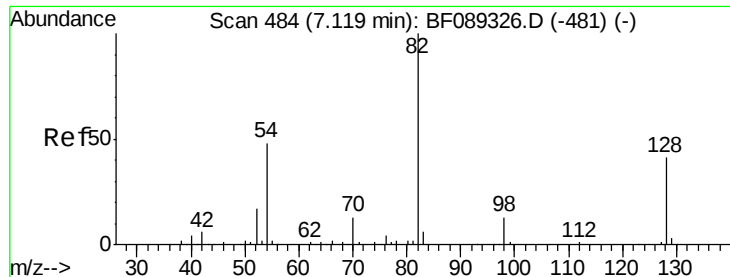
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#22
Acetophenone
Concen: 39.46 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163399		
71	3.3	4.2	6.2	
51	28.5	18.7	28.1	
120	18.6	15.8	23.6	





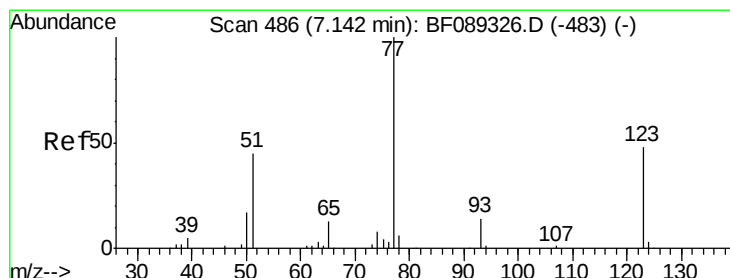
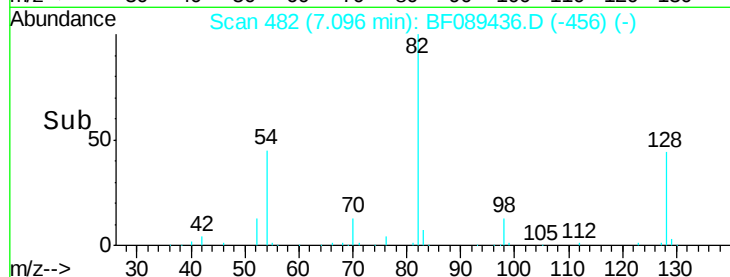
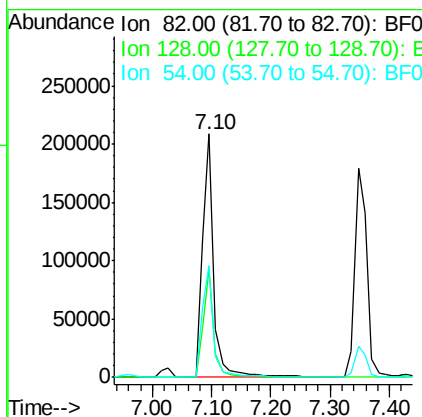
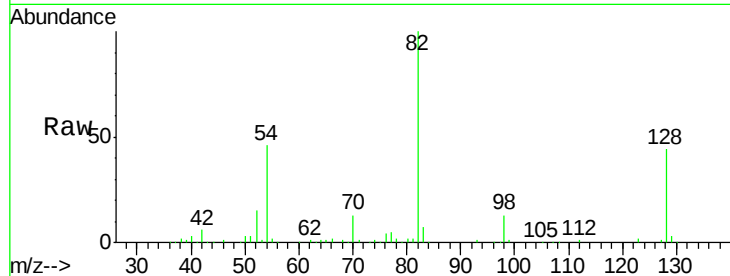
#23
 Nitrobenzene-d5
 Concen: 95.64 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	281841		
128	44.2	32.5	48.7	
54	45.7	38.8	58.2	

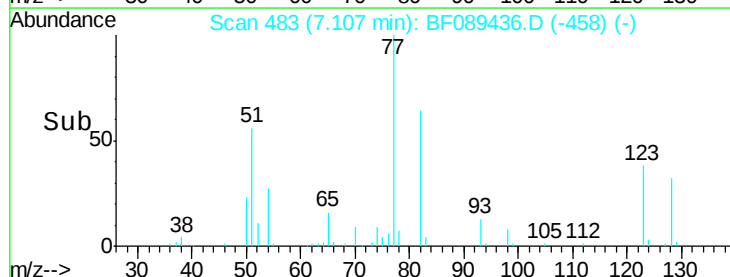
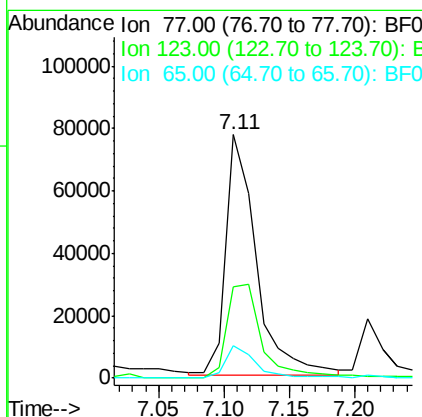
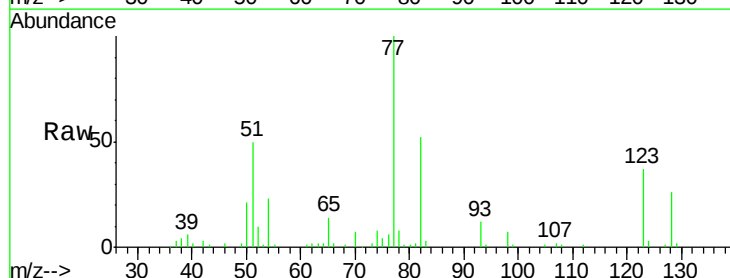
Manual Integrations
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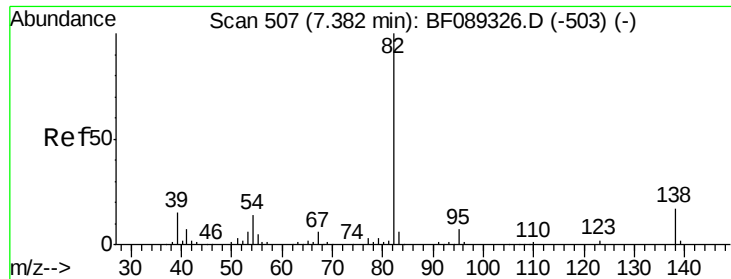
sohil
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#24
 Nitrobenzene
 Concen: 37.23 ng
 RT: 7.11 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	124878		
123	37.2	37.2	55.8	
65	13.6	10.2	15.4	





#25

Isophorone

Concen: 41.86 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

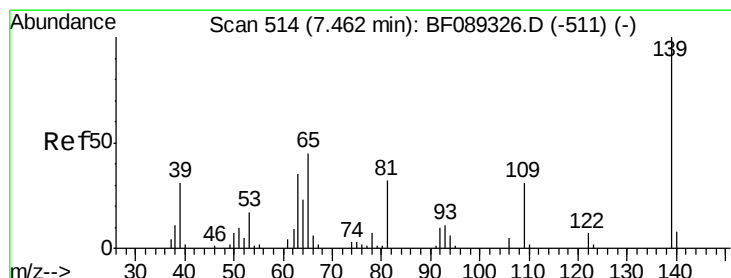
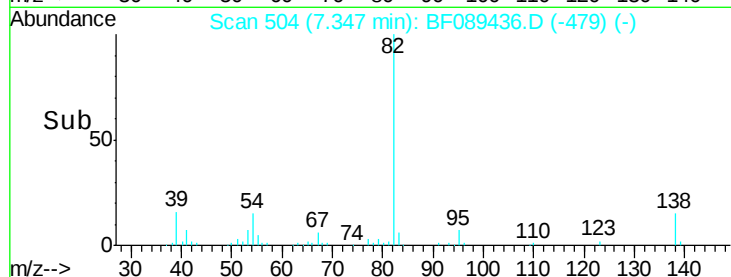
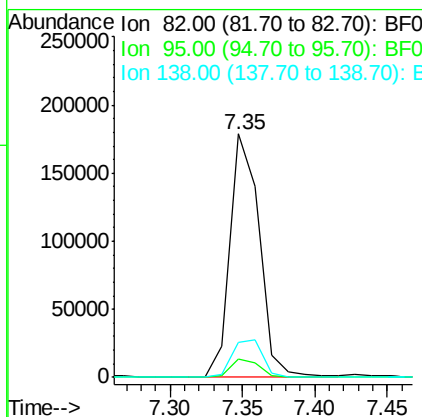
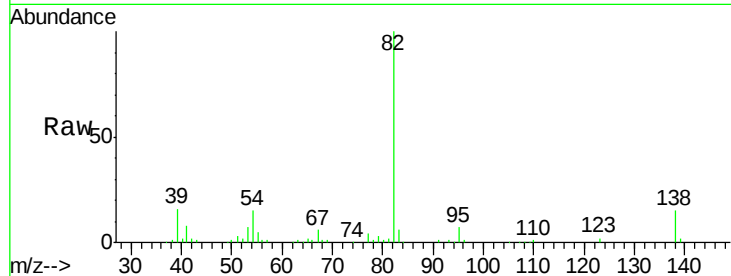
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	82	Resp:	248516
Ion Ratio		Lower	Upper
82	100		
95	7.3	6.0	9.0
138	14.5	13.3	19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 41.78 ng

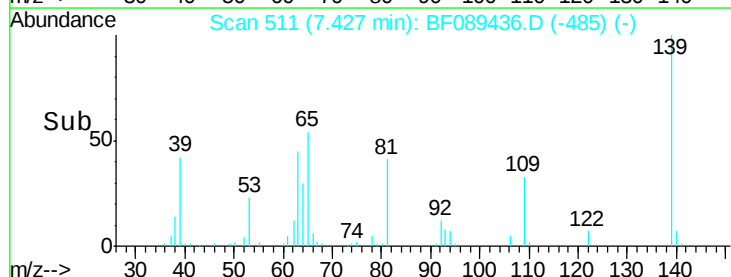
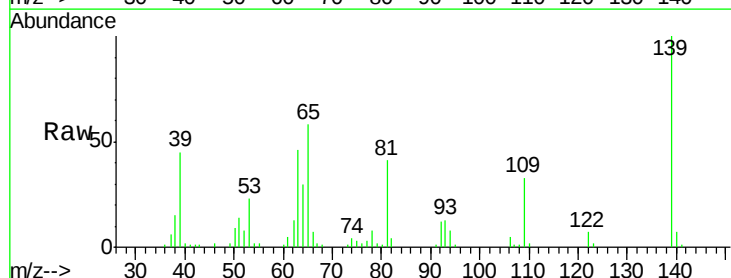
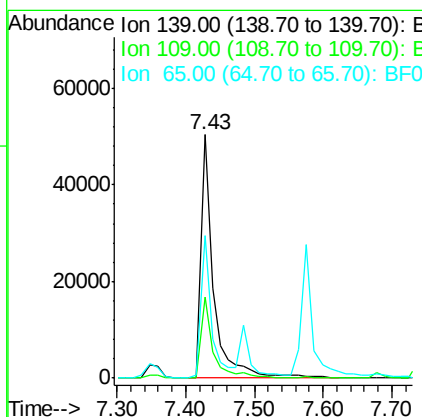
RT: 7.43 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	139	Resp:	62651
Ion Ratio		Lower	Upper
139	100		
109	33.2	25.8	38.8
65	58.3	35.2	52.8#





#27

2,4-Dimethylphenol

Concen: 40.23 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

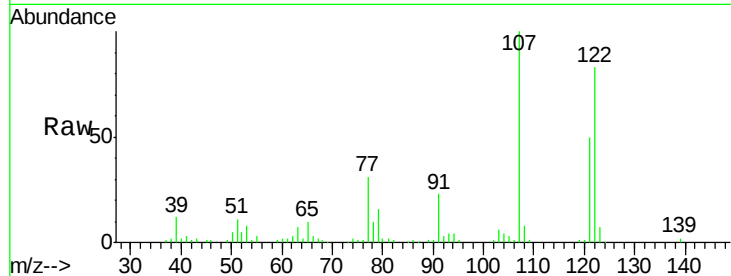
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	96114		
107	119.9	97.2	145.8	
121	59.5	48.8	73.2	

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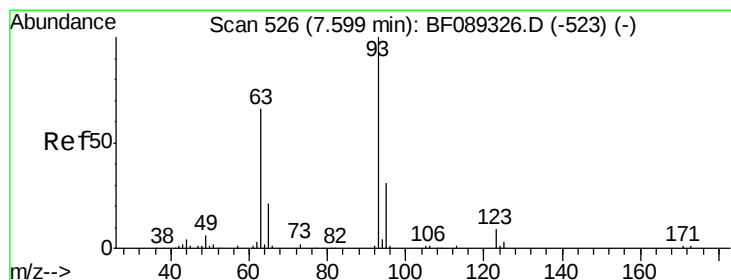
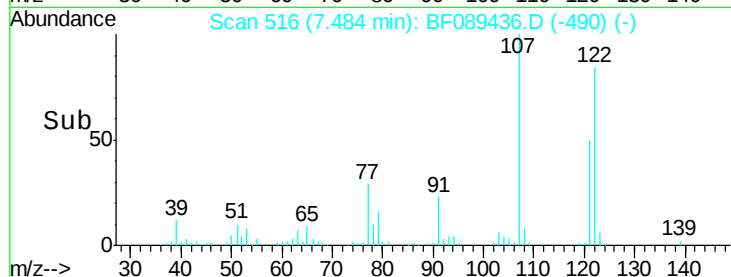
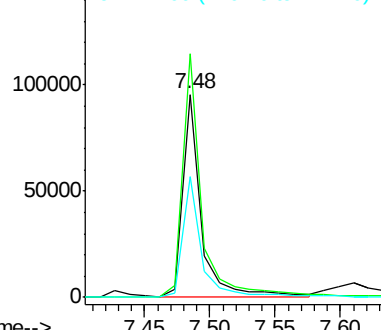


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 49.69 ng

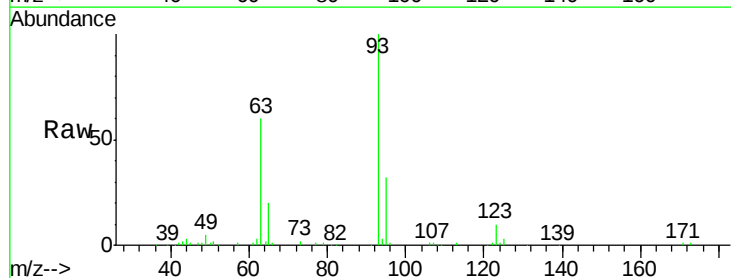
RT: 7.58 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	163297		
95	31.7	24.7	37.1	
123	10.0	7.5	11.3	

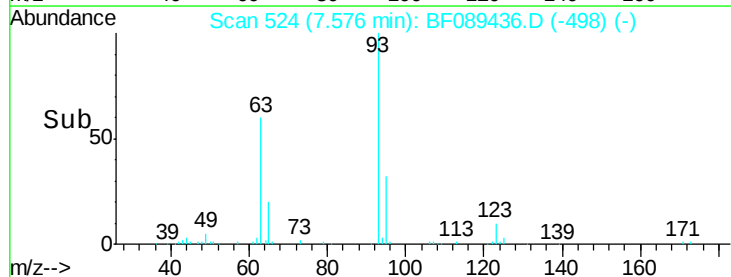
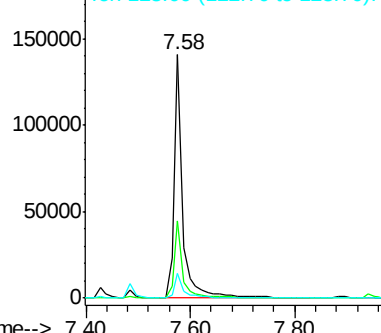


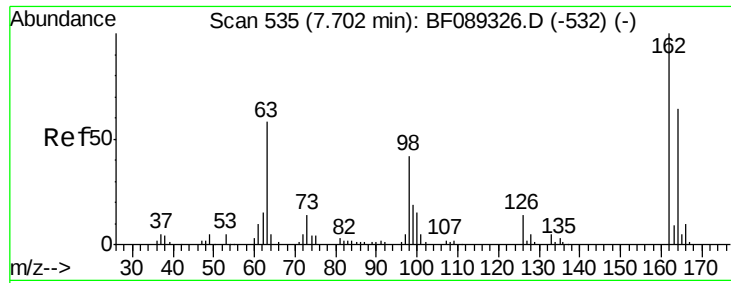
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





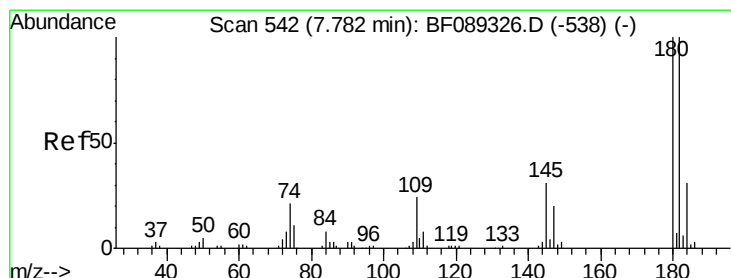
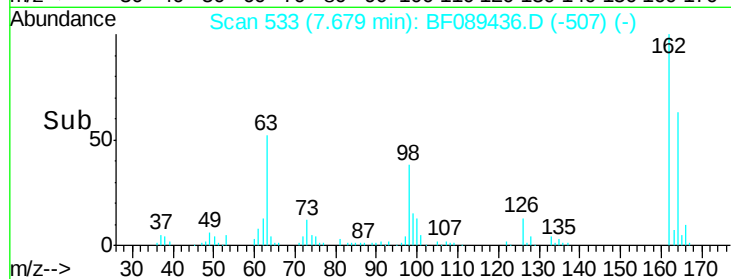
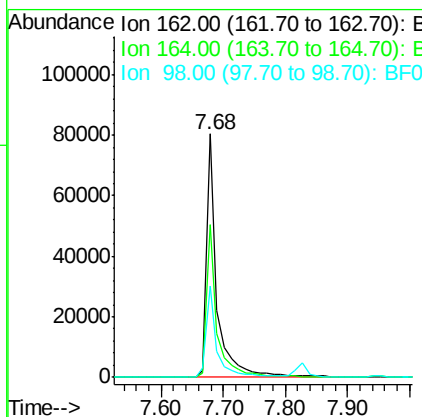
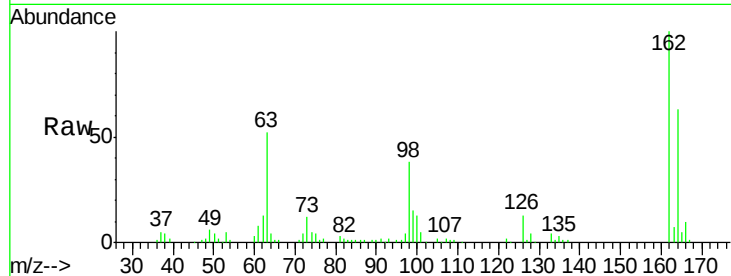
#29
 2,4-Dichlorophenol
 Concen: 43.23 ng
 RT: 7.68 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	94100		
164	62.8	44.0	84.0	
98	37.6	21.8	61.8	

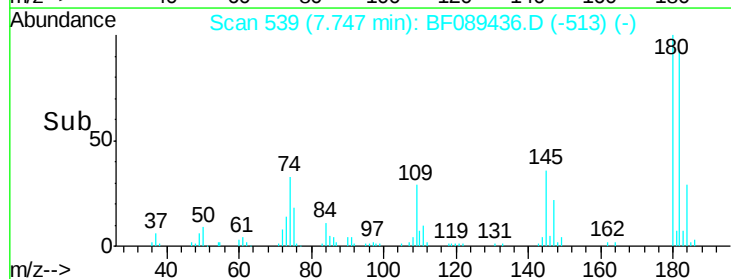
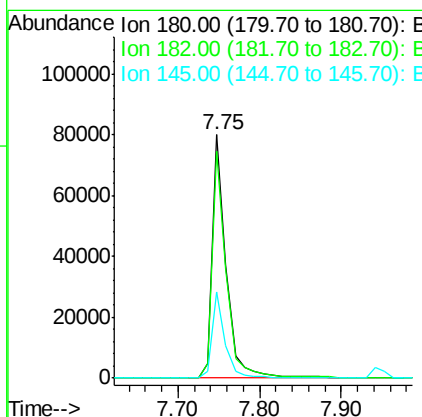
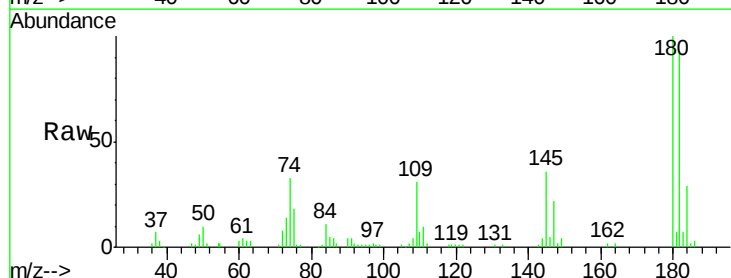
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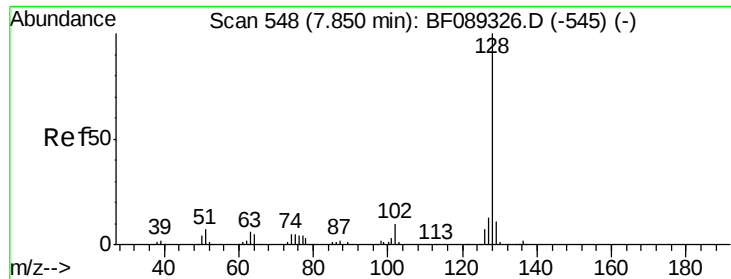
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#30
 1,2,4-Trichlorobenzene
 Concen: 38.68 ng
 RT: 7.75 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96078		
182	93.0	78.2	117.2	
145	35.6	24.6	36.8	





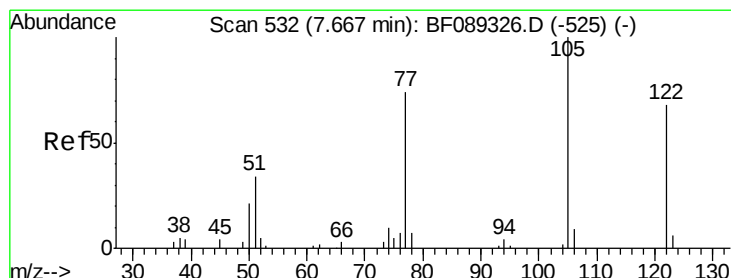
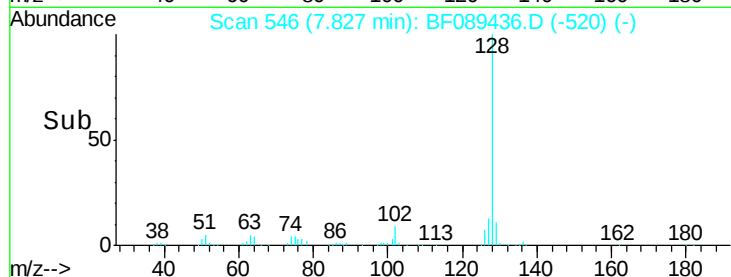
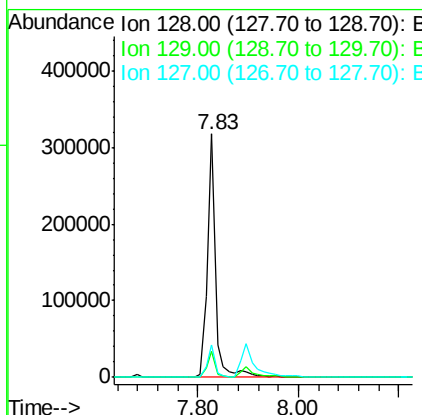
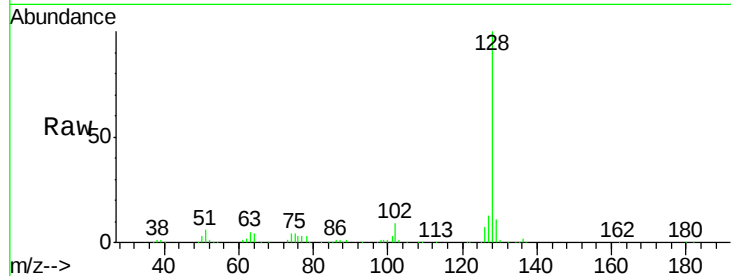
#31
Naphthalene
Concen: 41.93 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	361132		
129	10.7	8.8	13.2	
127	13.1	10.8	16.2	

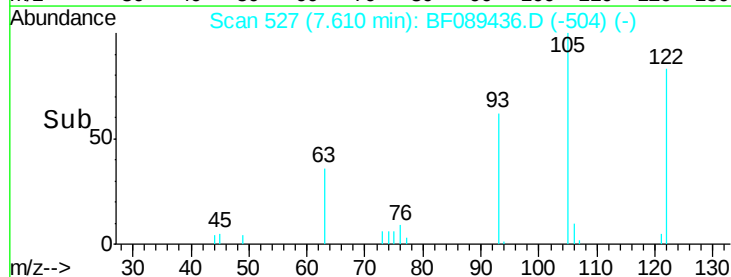
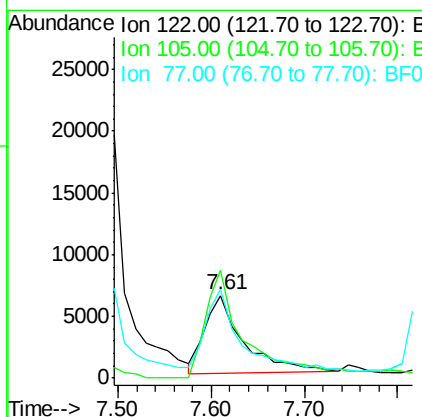
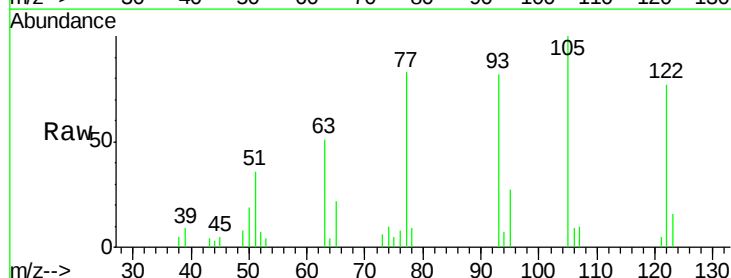
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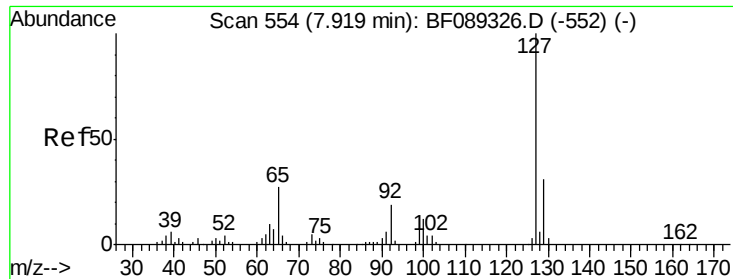
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#32
Benzoic acid
Concen: 10.94 ng
RT: 7.61 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	18217		
105	129.4	106.4	146.4	
77	107.5	76.4	116.4	





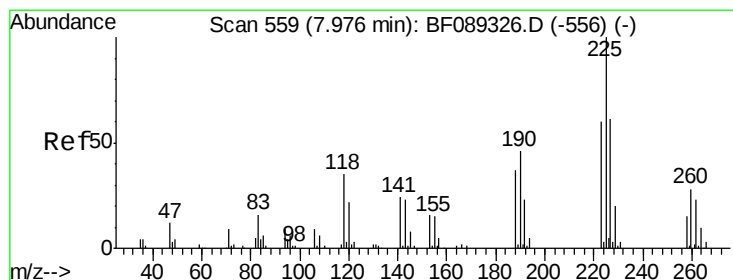
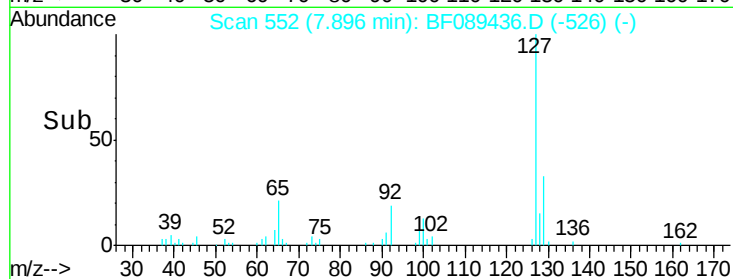
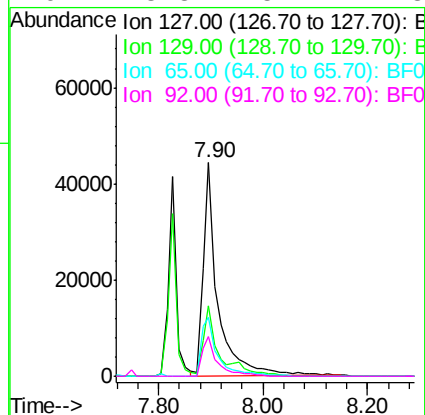
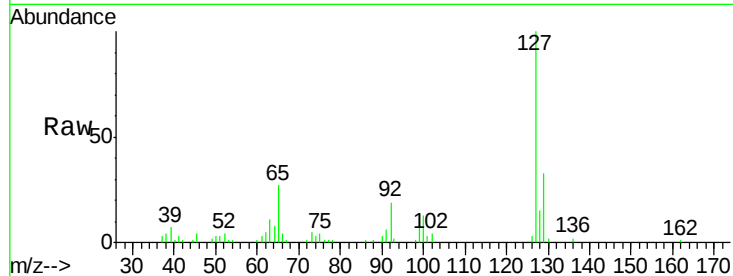
#33
4-Chloroaniline
Concen: 25.94 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion:	127	Resp:	85052
Ion Ratio	Lower	Upper	
127	100		
129	33.1	26.1	39.1
65	27.3	22.0	33.0
92	18.8	15.2	22.8

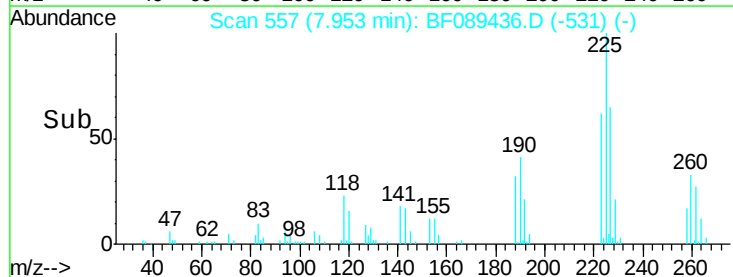
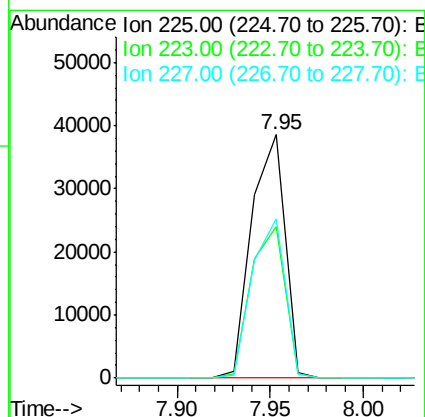
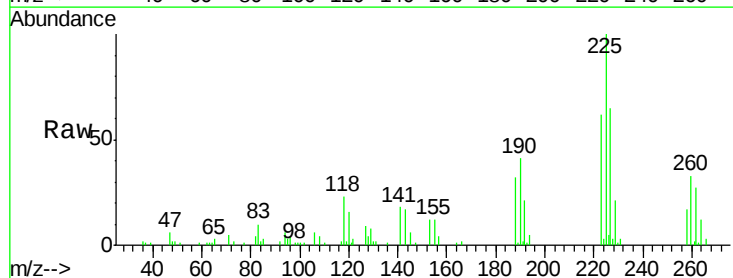
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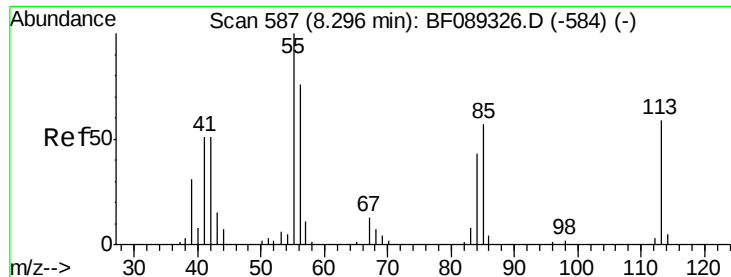
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#34
Hexachlorobutadiene
Concen: 33.58 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion:	225	Resp:	47769
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.8	74.8
227	65.3	49.4	74.2





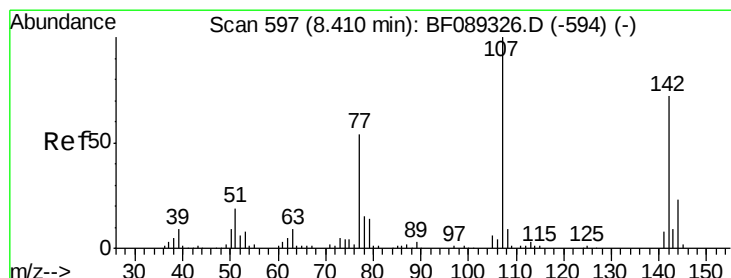
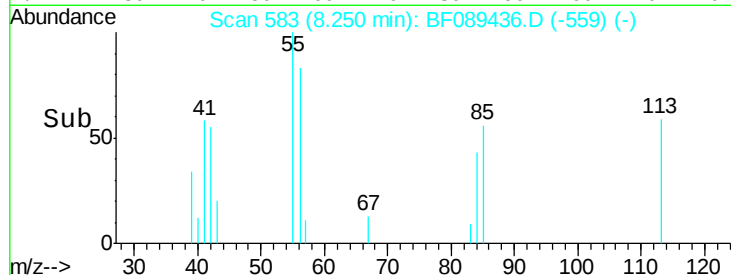
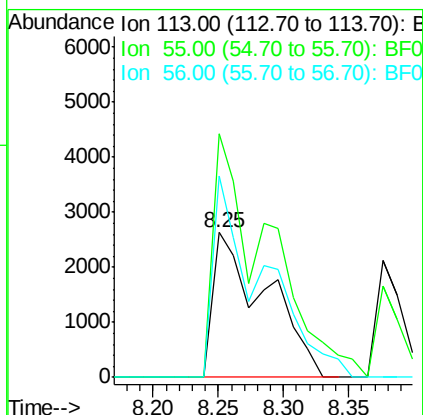
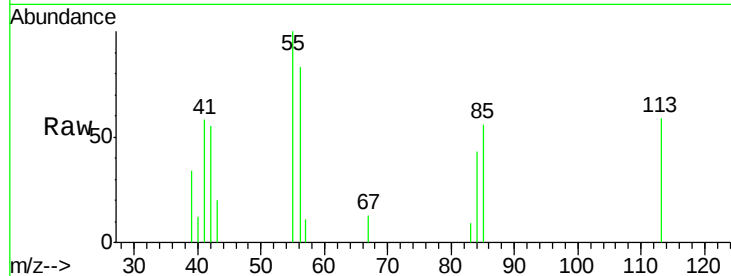
#35
 Caprolactam
 Concen: 11.41 ng
 RT: 8.25 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion: 113 Resp: 7494
 Ion Ratio Lower Upper
 113 100
 55 168.3 142.3 182.3
 56 139.2 105.8 145.8

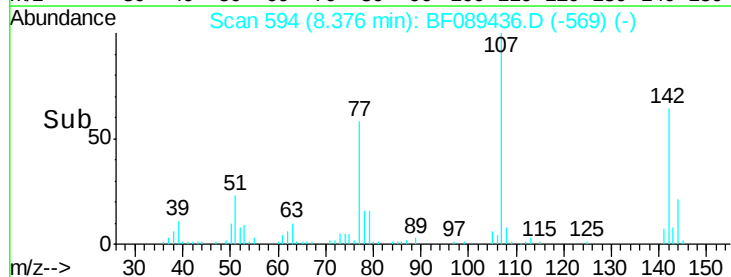
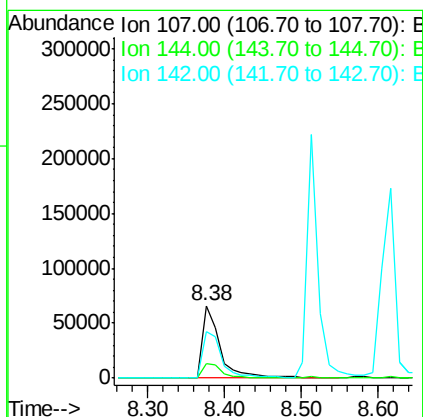
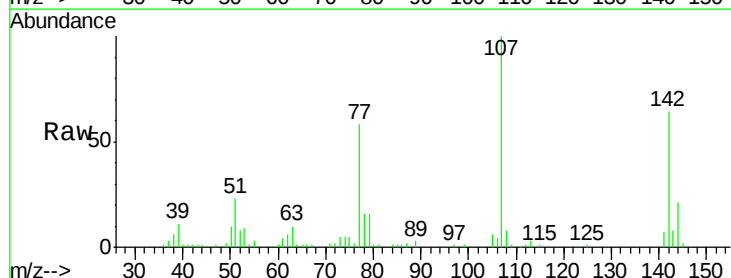
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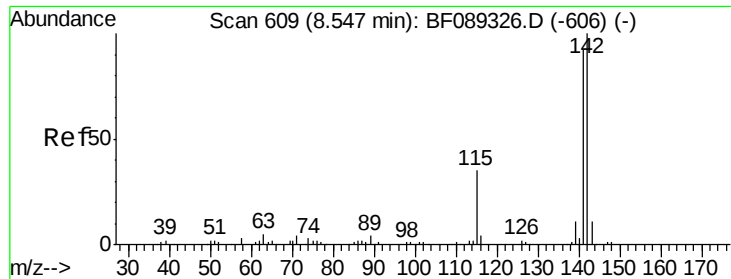
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#36
 4-Chloro-3-methylphenol
 Concen: 40.19 ng
 RT: 8.38 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion: 107 Resp: 103965
 Ion Ratio Lower Upper
 107 100
 144 20.6 18.4 27.6
 142 63.6 58.6 87.8





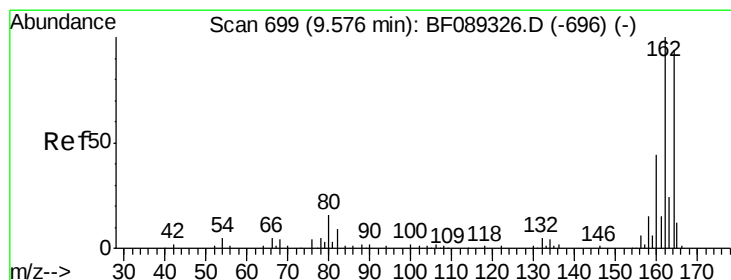
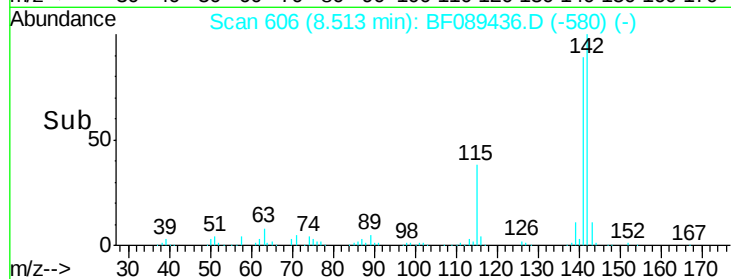
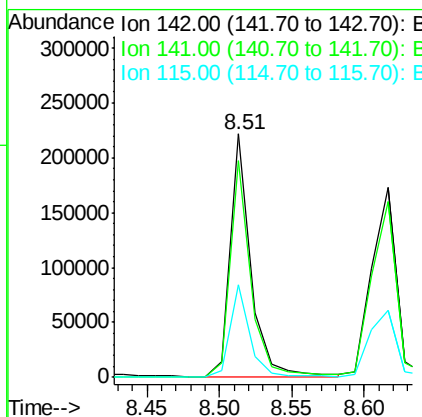
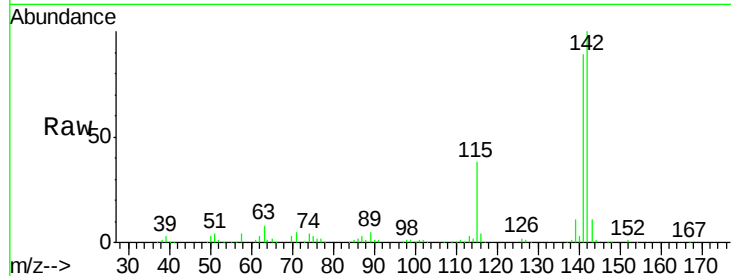
#37
 2-Methylnaphthalene
 Concen: 42.34 ng
 RT: 8.51 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	38.2	27.6	41.4

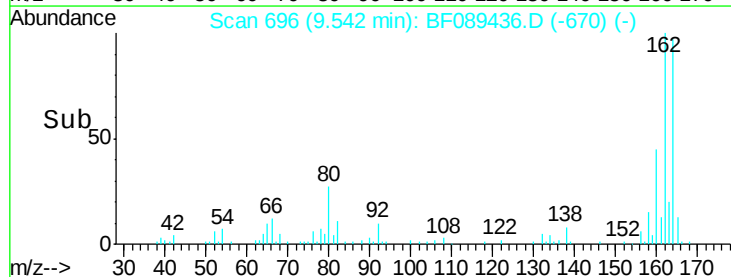
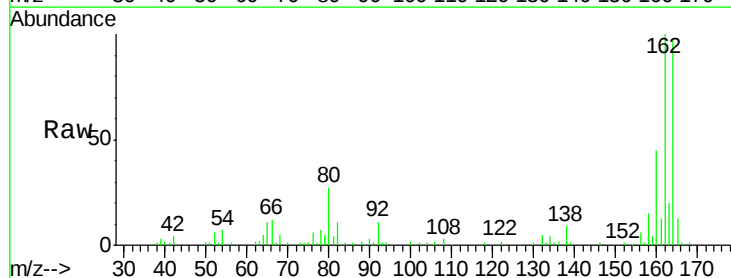
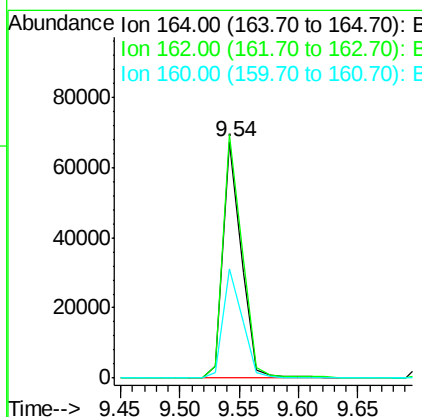
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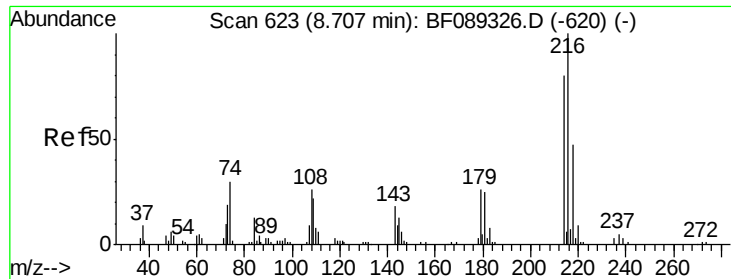
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.7	125.5
160	46.2	37.8	56.6





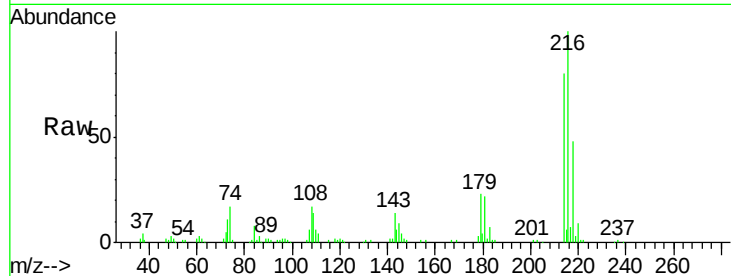
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.40 ng
 RT: 8.68 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

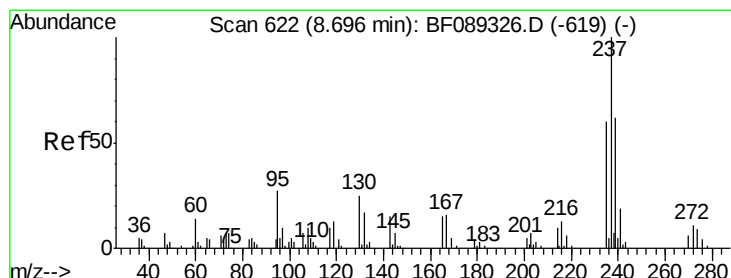
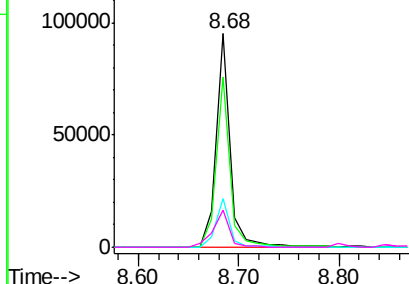
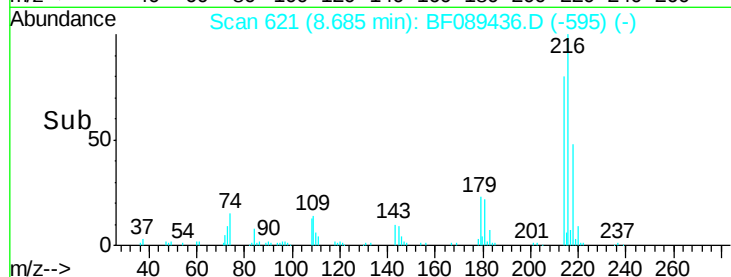
Tgt Ion:	216	Resp:	91951
Ion Ratio	Lower	Upper	
216	100		
214	78.8	63.3	94.9
179	22.5	18.1	27.1
108	20.5	17.2	25.8

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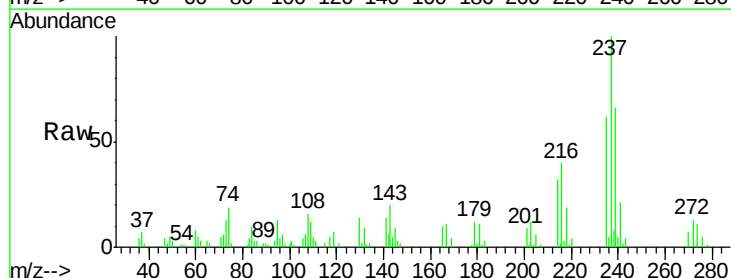


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

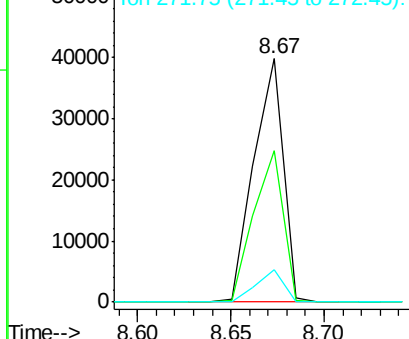
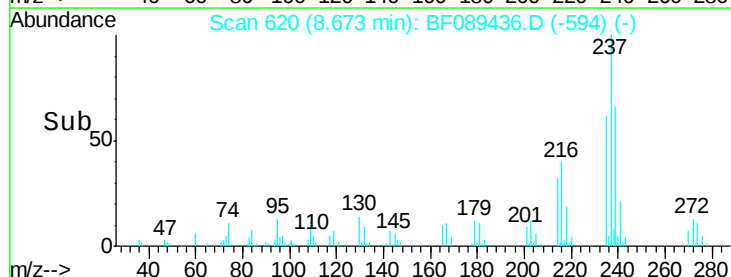


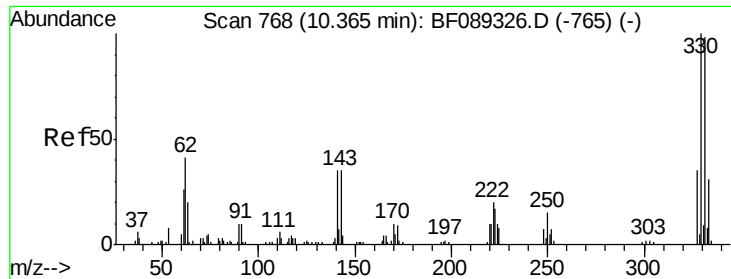
#40
 Hexachlorocyclopentadiene
 Concen: 62.37 ng
 RT: 8.67 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion:	237	Resp:	43324
Ion Ratio	Lower	Upper	
237	100		
235	62.4	41.6	81.6
272	13.4	0.0	30.8



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





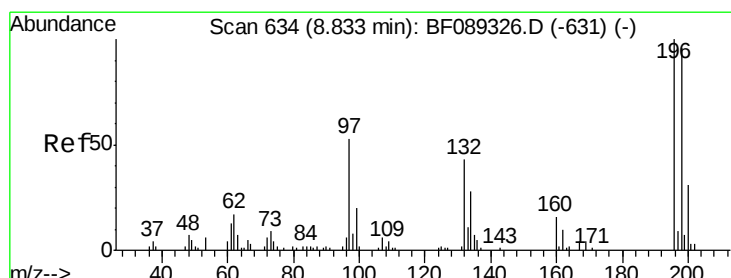
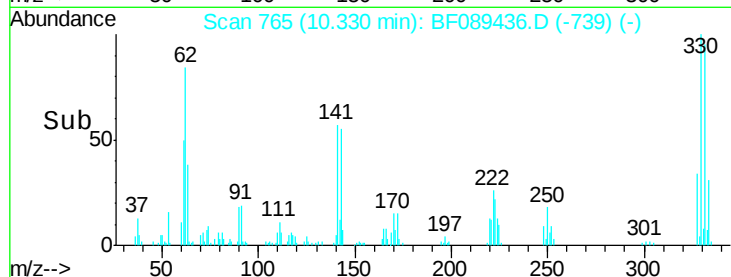
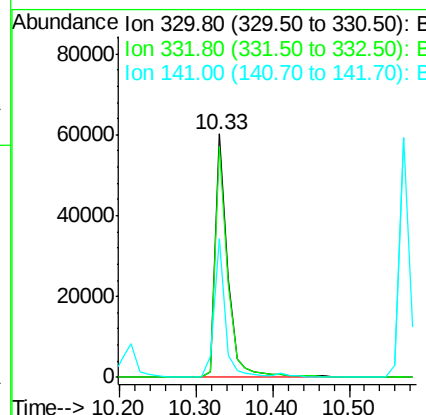
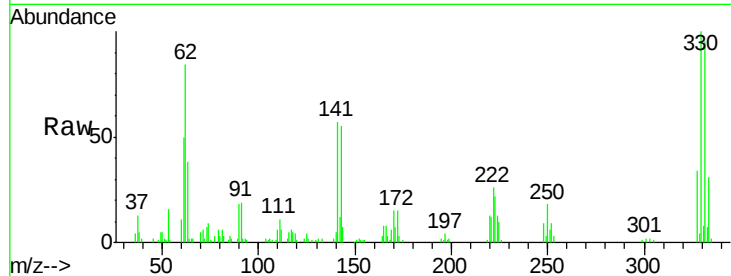
#41
 2,4,6-Tribromophenol
 Concen: 113.04 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	67592		
332	94.6	76.8	115.2	
141	50.3	37.3	55.9	

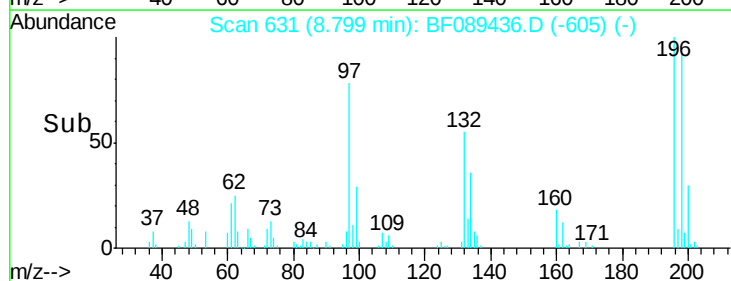
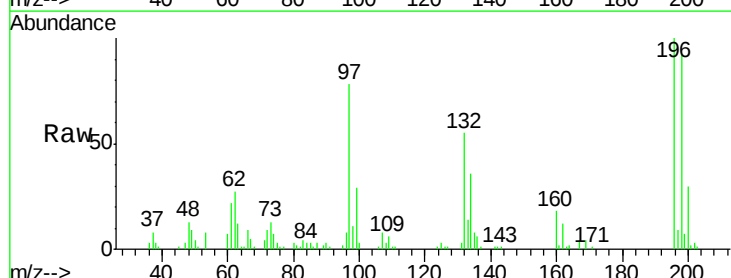
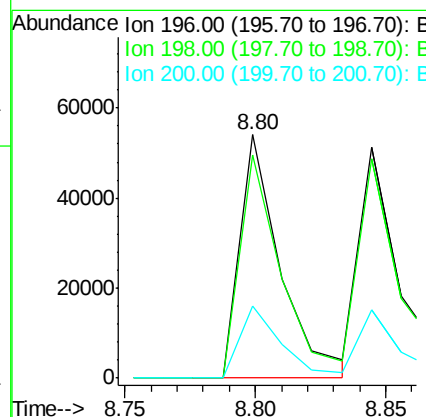
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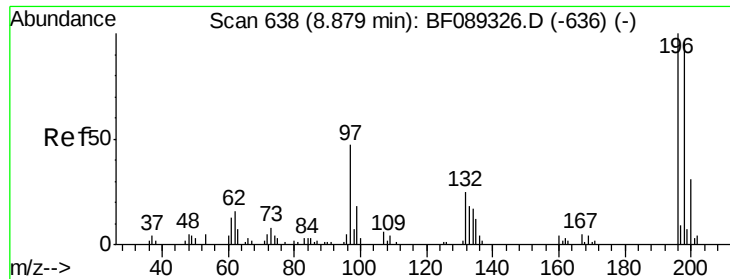
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#42
 2,4,6-Trichlorophenol
 Concen: 49.27 ng
 RT: 8.80 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	59181		
198	91.8	75.5	113.3	
200	29.7	23.9	35.9	





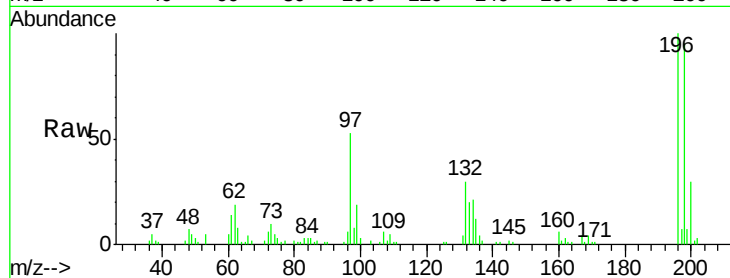
#43
 2,4,5-Trichlorophenol
 Concen: 43.12 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	65609		
198	94.8	78.7	118.1	
97	53.4	39.7	59.5	
132	30.3	22.8	34.2	

Manual Integrations
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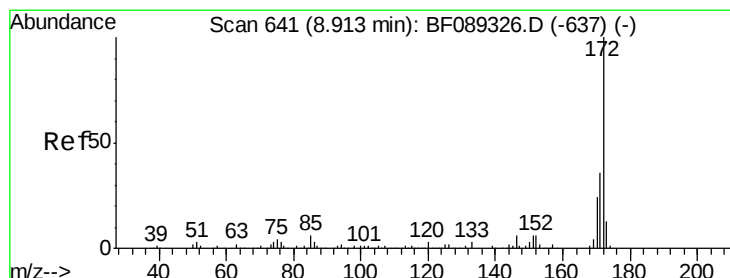
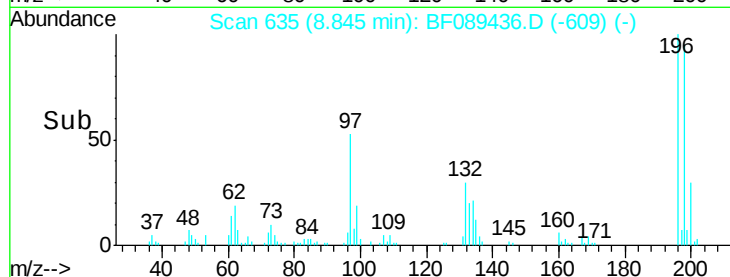
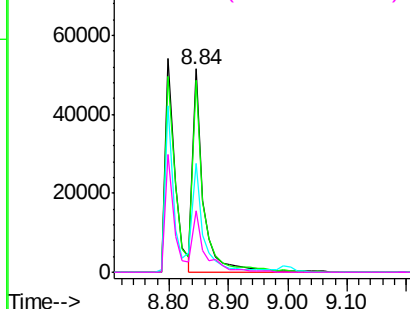
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.06 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

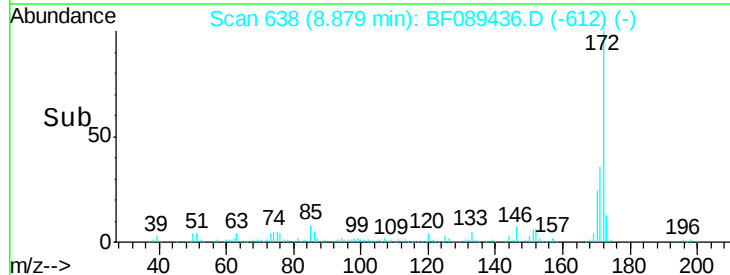
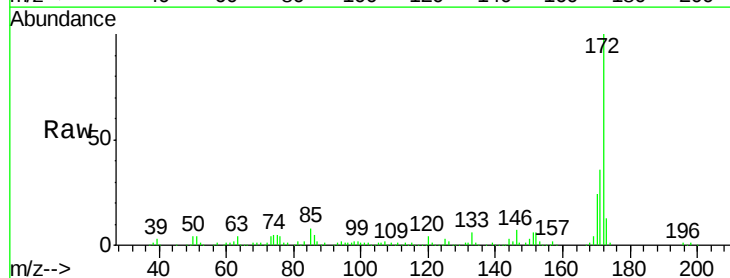
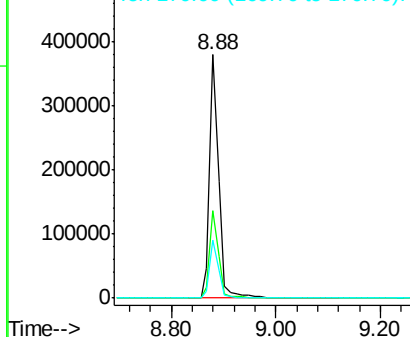
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	457794		
171	36.1	29.2	43.8	
170	23.8	19.2	28.8	

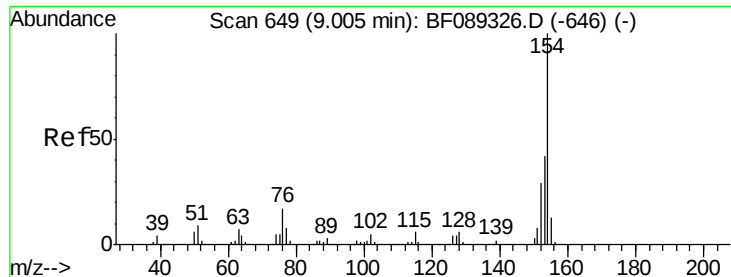
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 41.78 ng

RT: 8.98 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

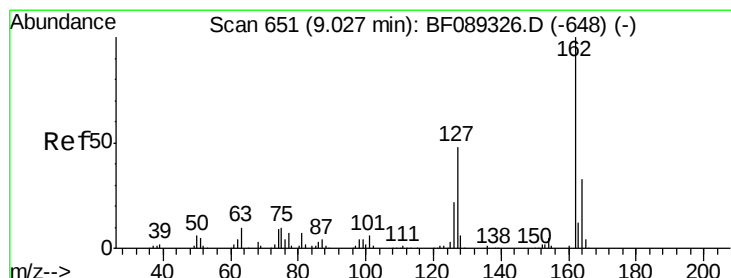
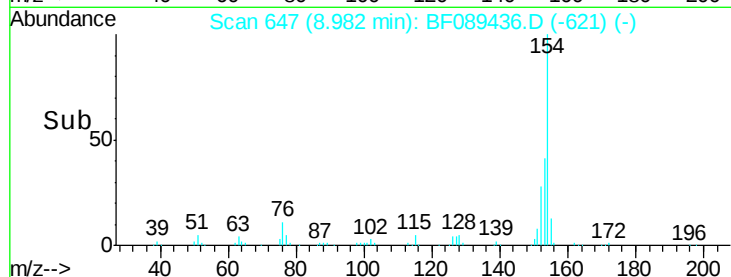
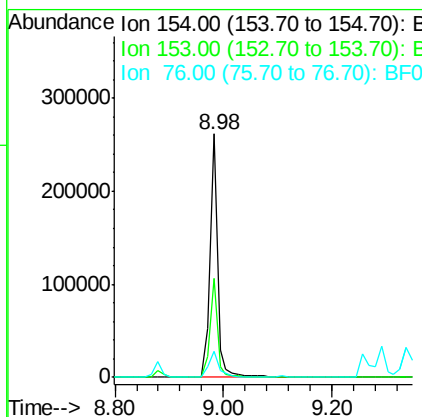
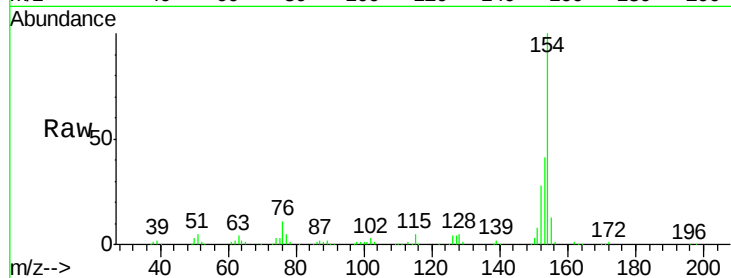
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	154	Resp:	256813
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.0	61.0
76	10.8	0.0	36.6

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#46

2-Chloronaphthalene

Concen: 45.29 ng

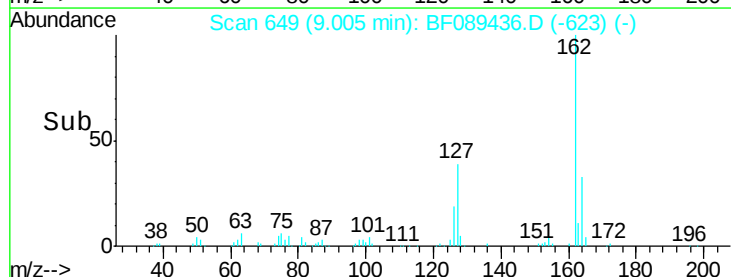
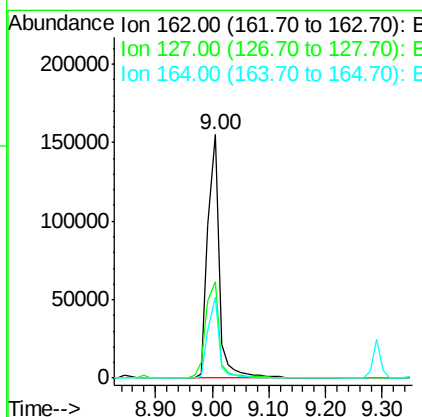
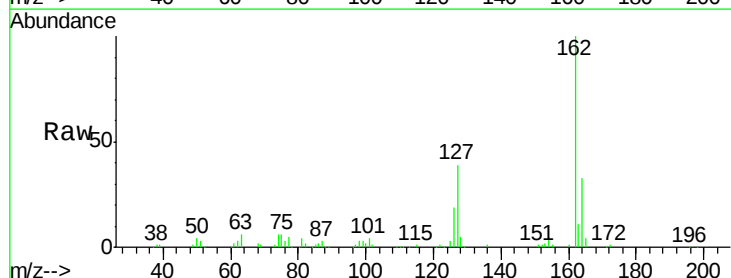
RT: 9.00 min Scan# 649

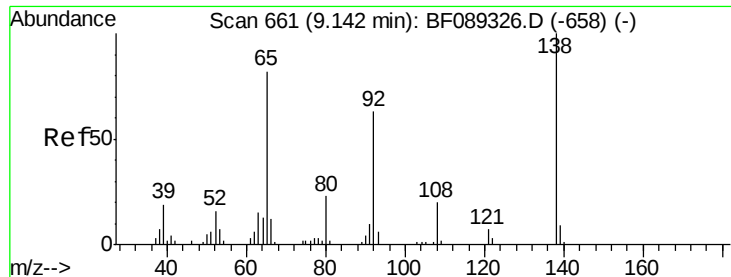
Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	162	Resp:	209072
Ion Ratio	Lower	Upper	
162	100		
127	39.4	37.8	56.8
164	33.4	25.8	38.8





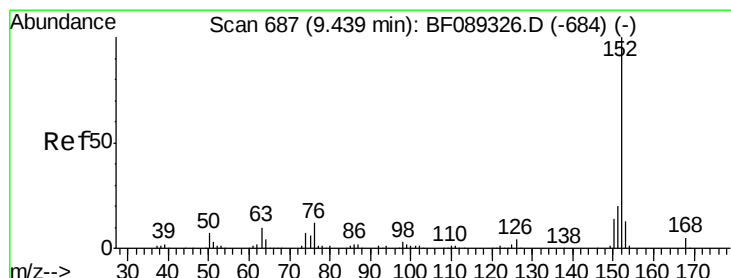
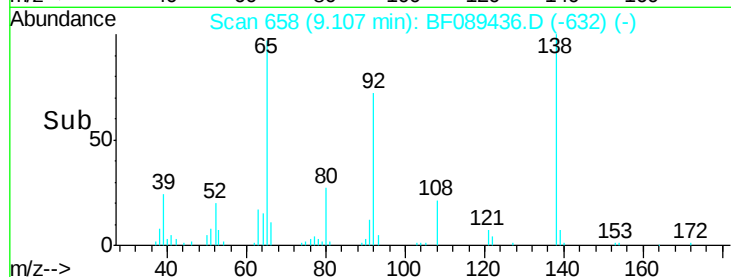
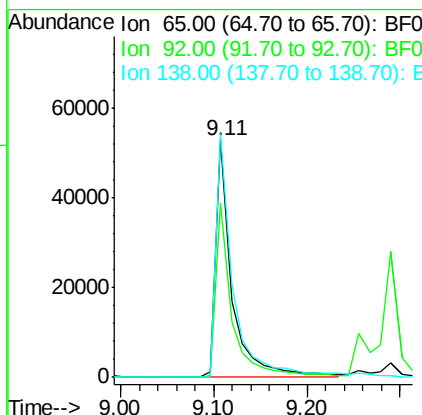
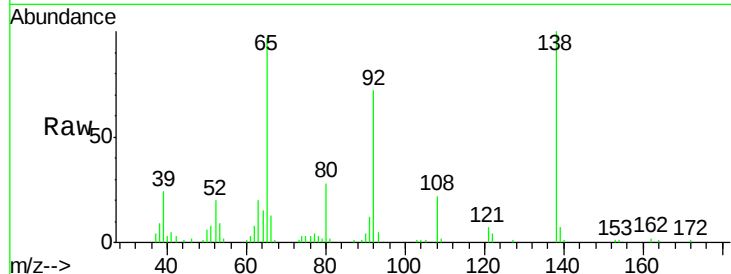
#47
2-Nitroaniline
Concen: 46.95 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.7	61.0	91.4
138	102.9	99.1	148.7

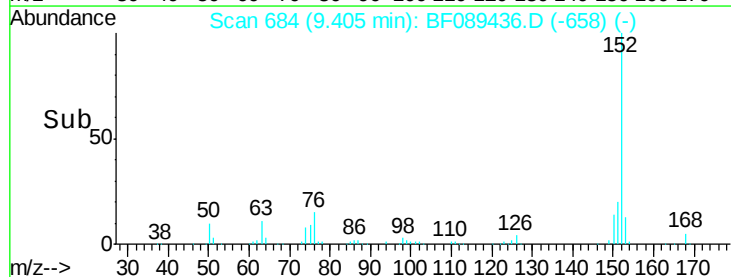
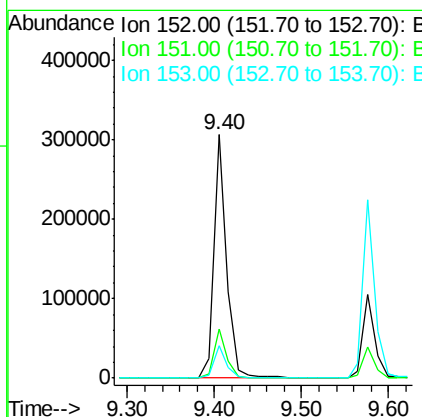
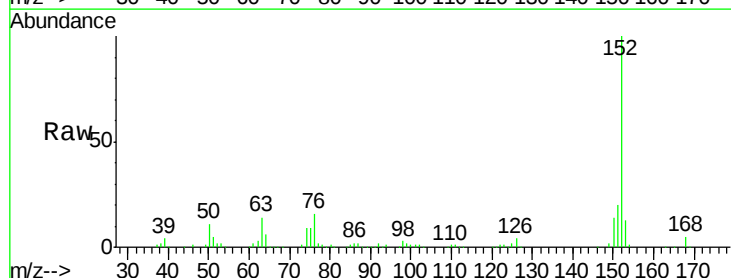
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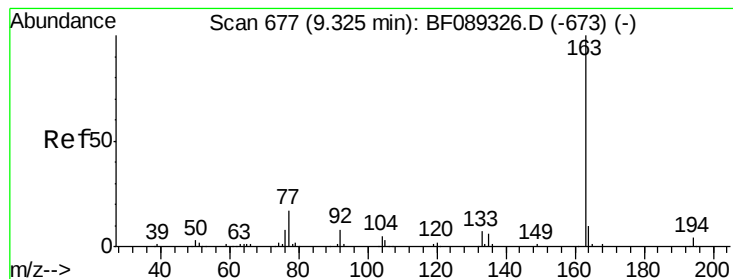
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#48
Acenaphthylene
Concen: 43.85 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.1	10.2	15.4





#49

Dimethylphthalate

Concen: 44.90 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

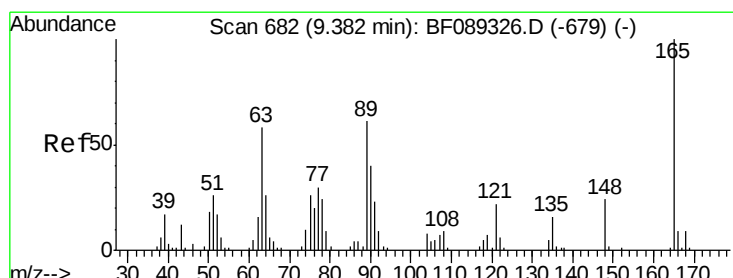
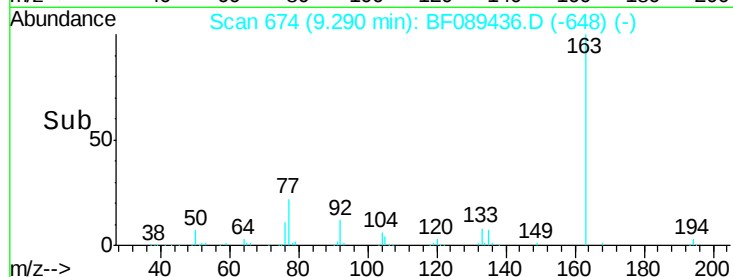
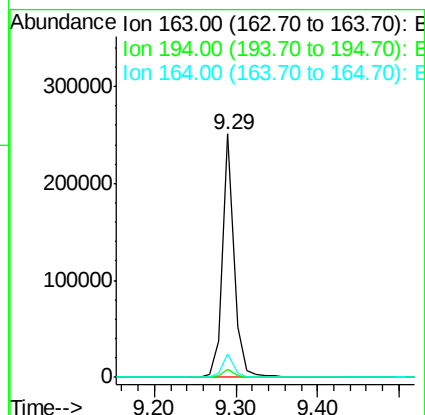
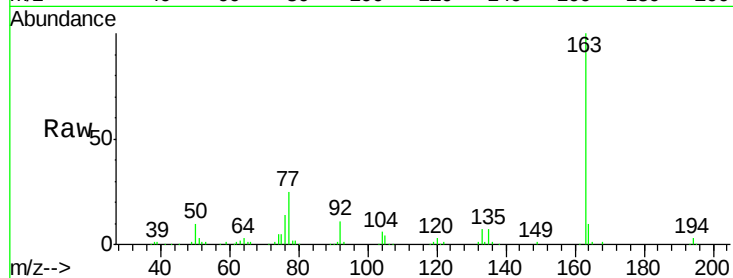
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	163	Resp:	246701
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	9.9	7.8	11.8

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#50

2,6-Dinitrotoluene

Concen: 43.98 ng

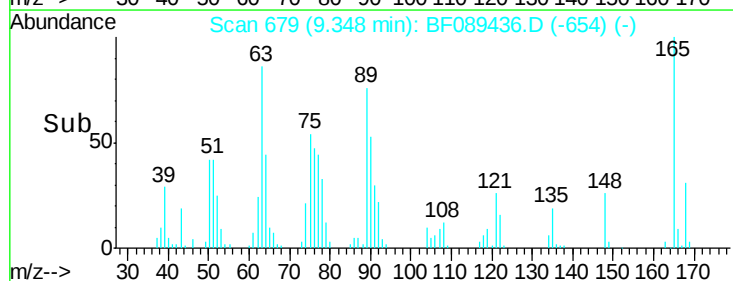
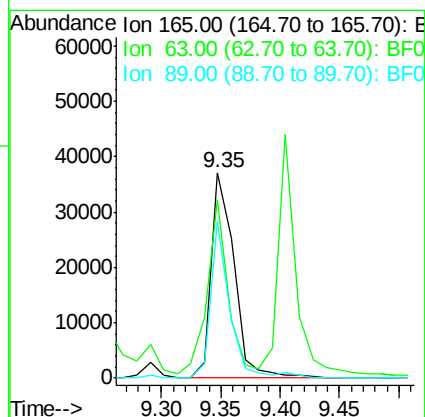
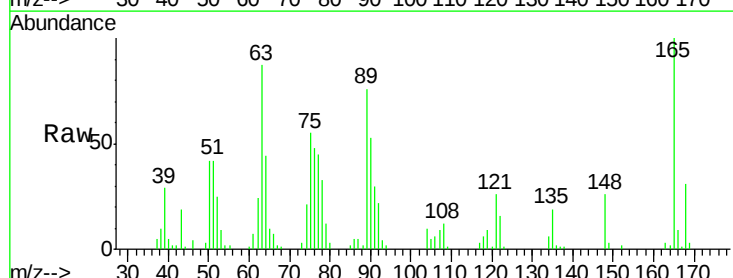
RT: 9.35 min Scan# 679

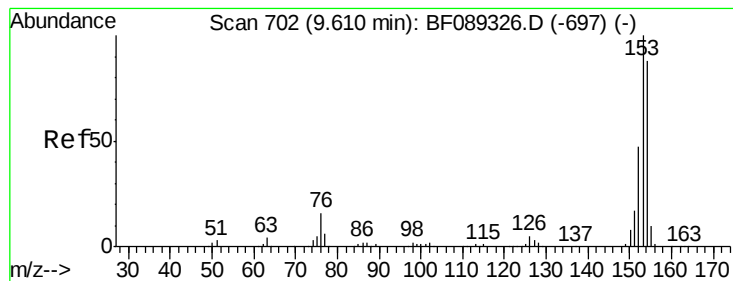
Delta R.T. -0.01 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	165	Resp:	49651
Ion Ratio	Lower	Upper	
165	100		
63	87.1	43.5	65.3#
89	76.2	45.0	67.4#





#51

Acenaphthene

Concen: 43.69 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

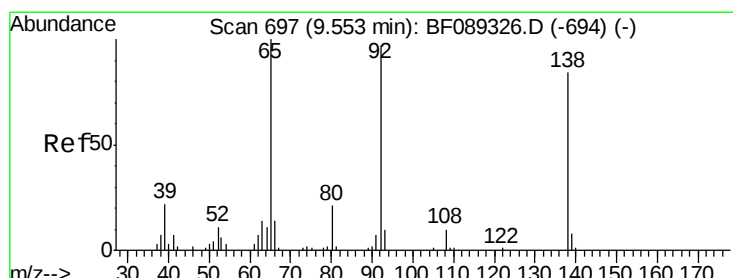
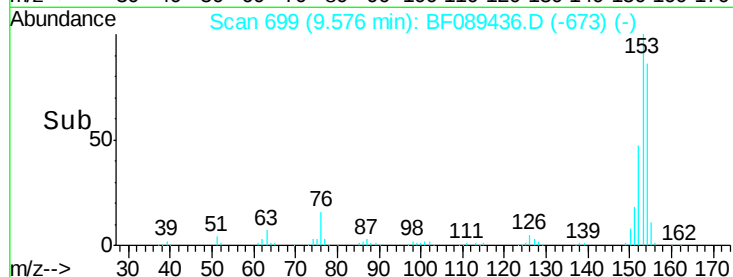
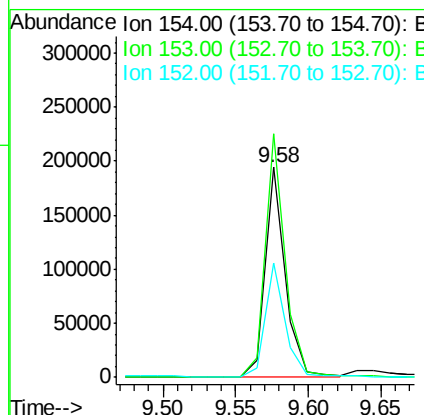
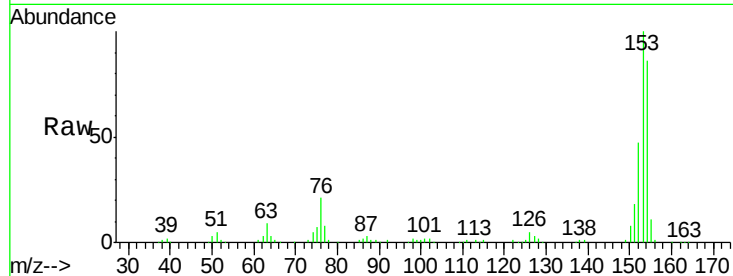
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	154	Resp:	185522
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.4	137.2
152	54.6	43.8	65.6

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#52

3-Nitroaniline

Concen: 33.84 ng

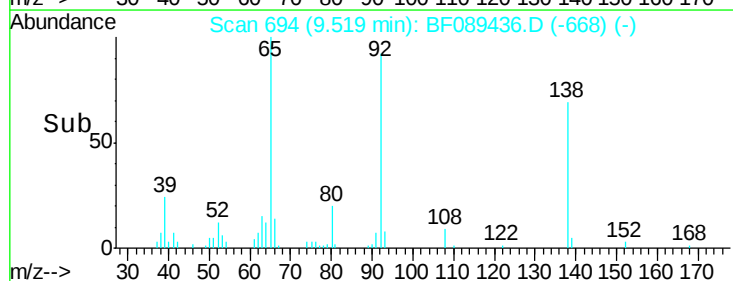
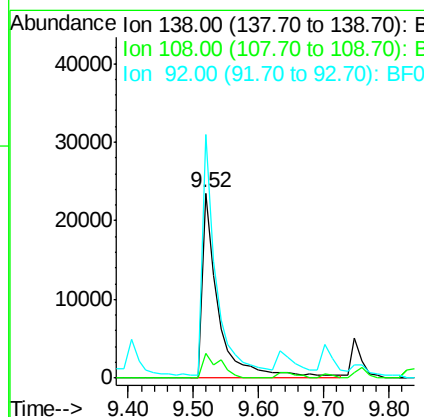
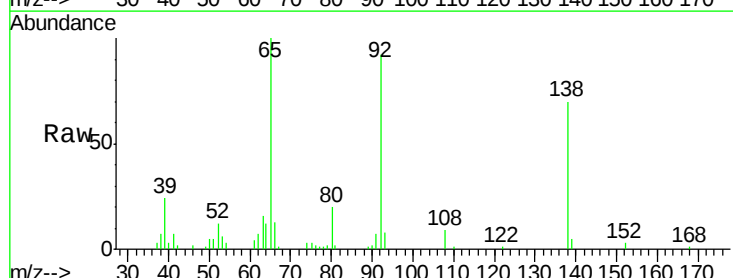
RT: 9.52 min Scan# 694

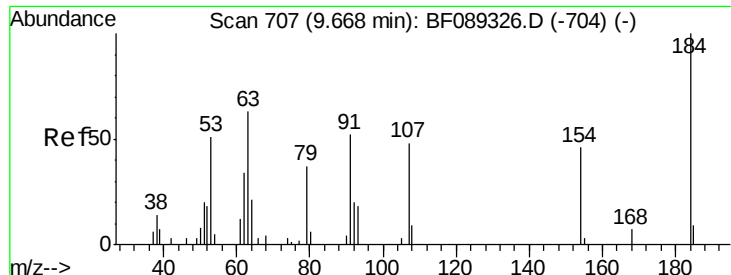
Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	138	Resp:	40311
Ion Ratio	Lower	Upper	
138	100		
108	13.1	8.6	13.0#
92	131.4	90.0	135.0





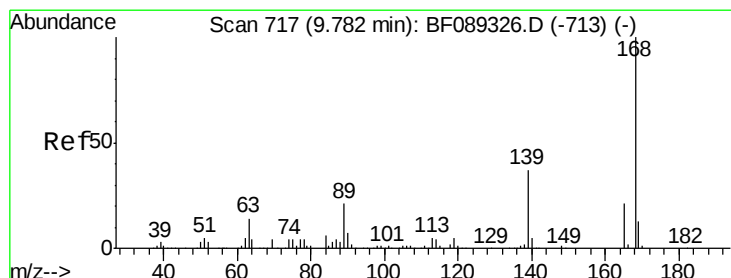
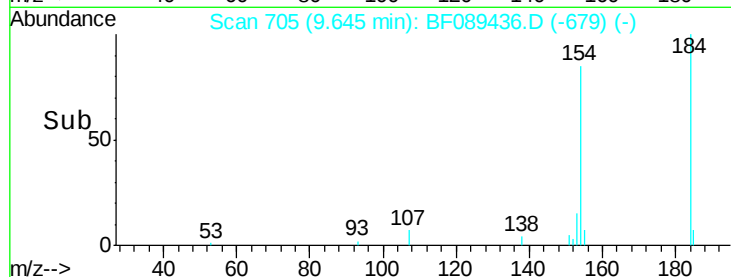
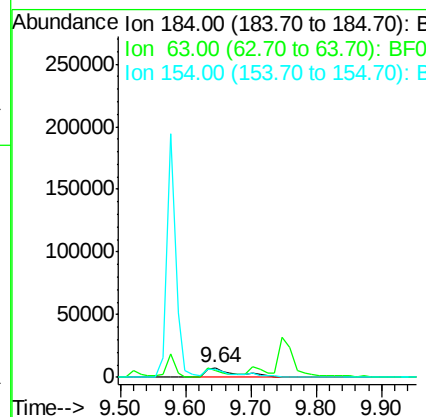
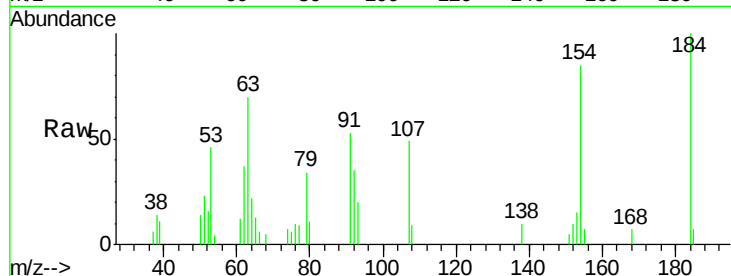
#53
 2,4-Dinitrophenol
 Concen: 56.45 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	24676		
63	70.5	60.6	90.8	
154	85.1	69.8	104.8	

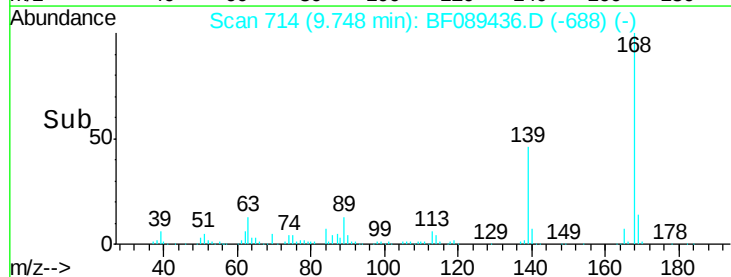
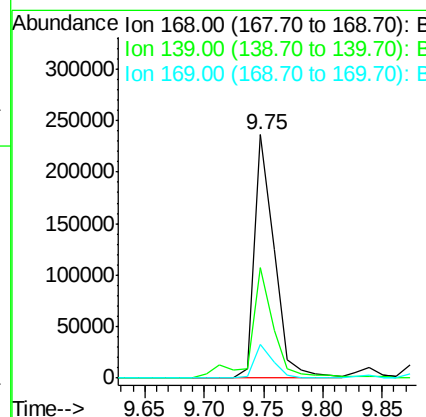
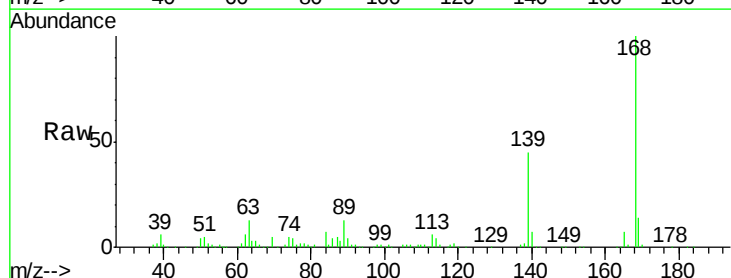
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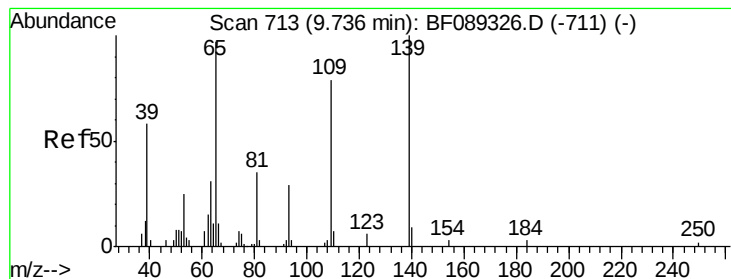
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#54
 Dibenzofuran
 Concen: 47.89 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	277085		
139	45.4	33.7	50.5	
169	13.7	10.7	16.1	





#55

4-Nitrophenol

Concen: 32.57 ng m

RT: 9.71 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

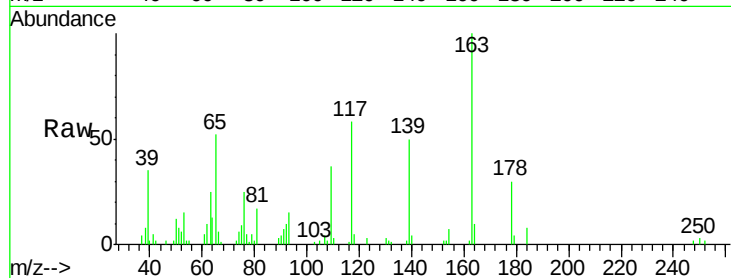
ClientSampleId :

GW-44-8.6-15.0MSD

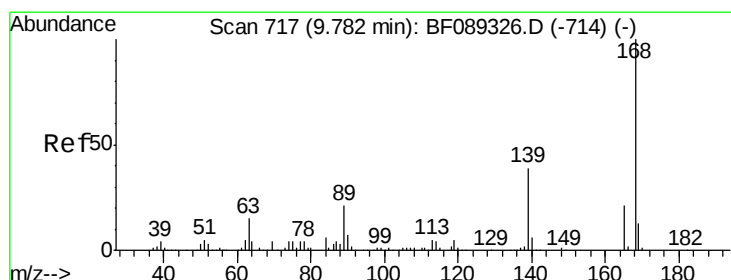
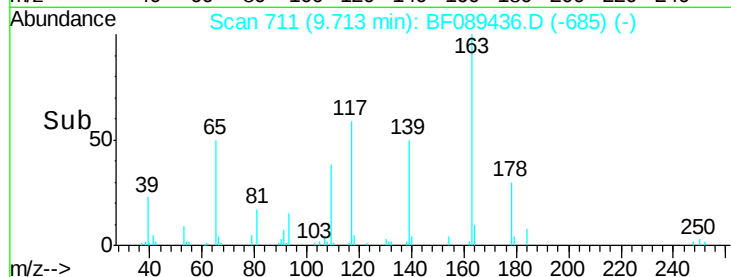
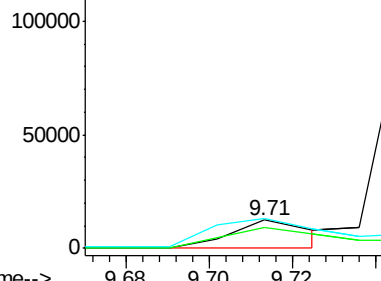
Tgt Ion:	139	Resp:	16596
Ion Ratio	Lower	Upper	
139	100		
109	75.7	57.8	97.8
65	105.2	81.7	121.7

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Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 43.93 ng

RT: 9.76 min Scan# 715

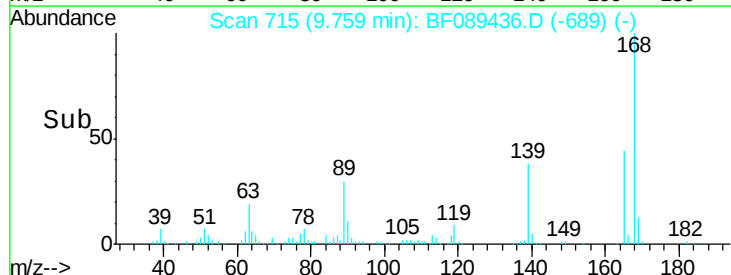
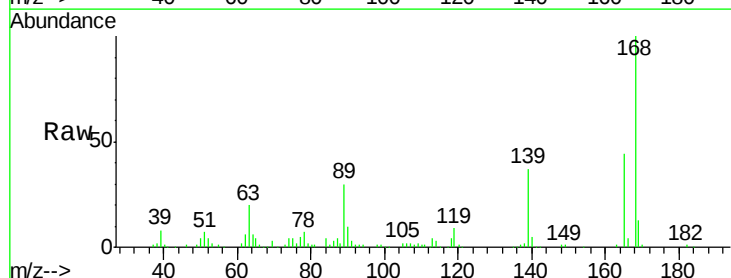
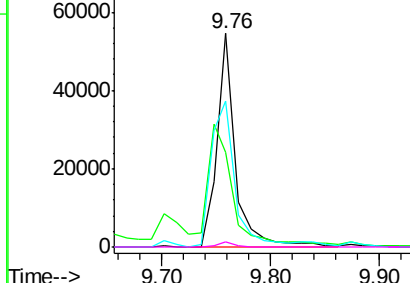
Delta R.T. -0.00 min

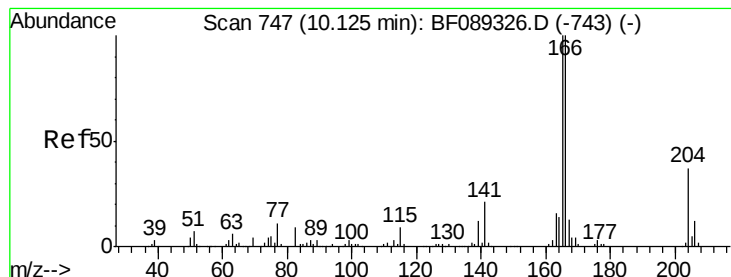
Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	165	Resp:	65298
Ion Ratio	Lower	Upper	
165	100		
63	44.5	58.2	87.2#
89	68.2	79.1	118.7#
182	2.6	1.8	2.8

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 44.33 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

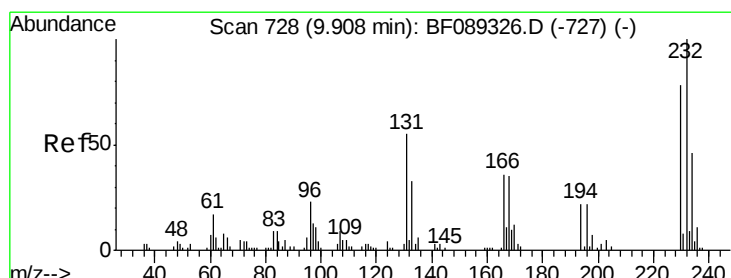
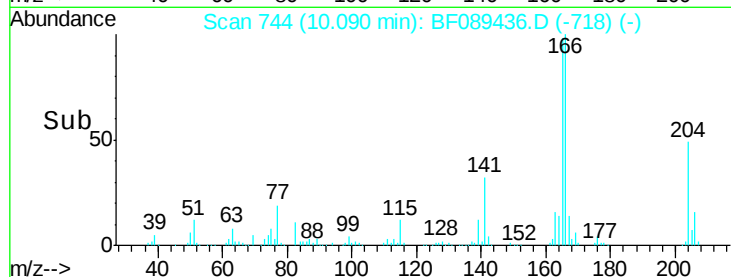
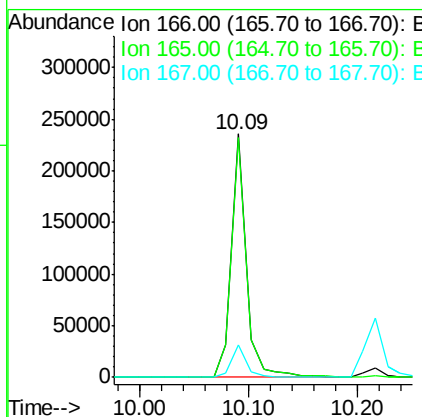
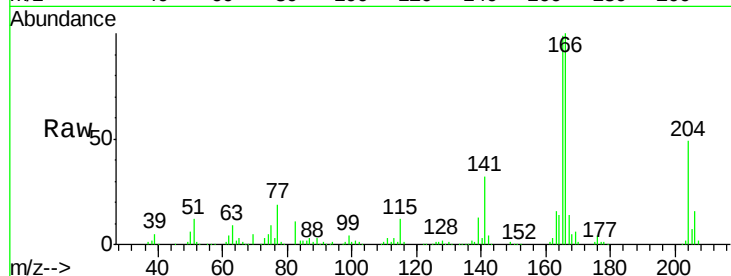
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	166	Resp:	223908
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.0	118.4
167	13.6	10.2	15.2

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#58

2,3,4,6-Tetrachlorophenol

Concen: 46.86 ng

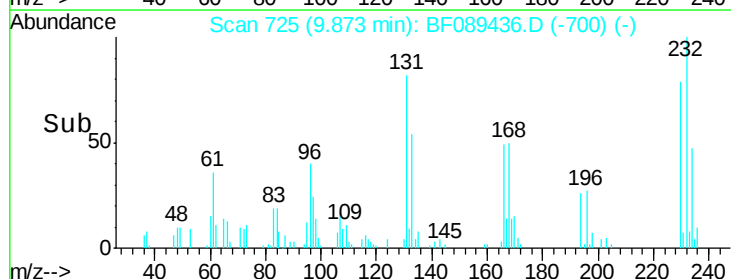
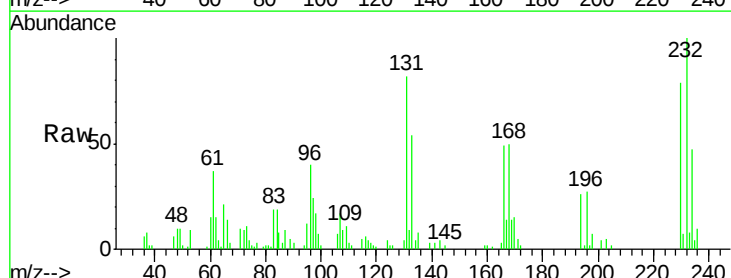
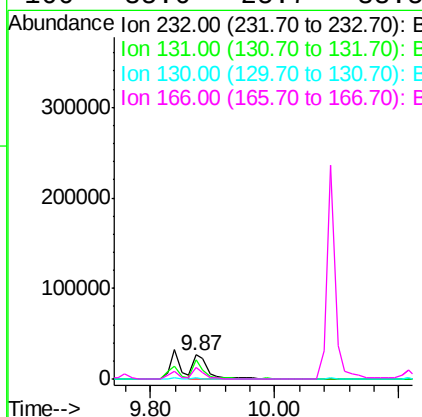
RT: 9.87 min Scan# 725

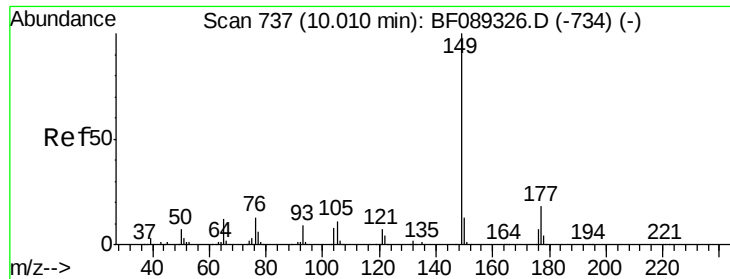
Delta R.T. -0.01 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	232	Resp:	47604
Ion Ratio	Lower	Upper	
232	100		
131	56.8	42.7	64.1
130	2.3	1.7	2.5
166	35.6	25.7	38.5





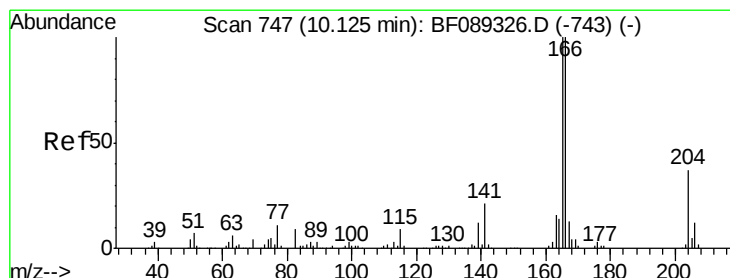
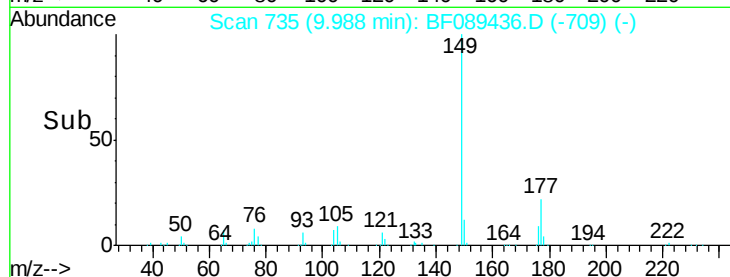
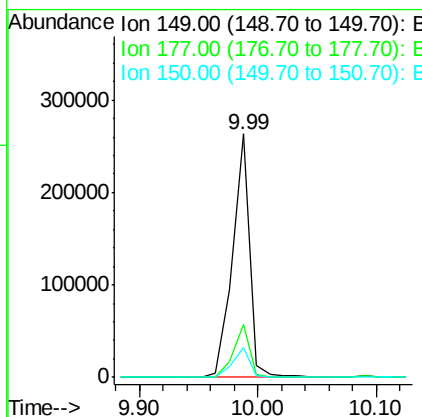
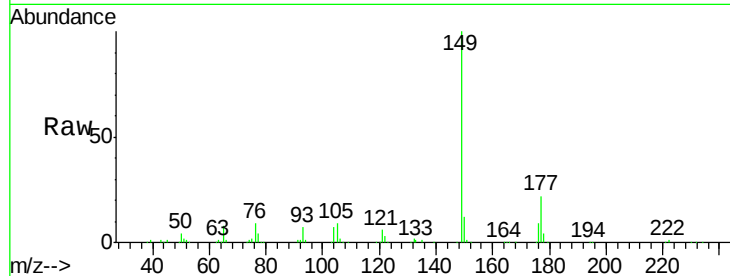
#59
Diethylphthalate
Concen: 47.15 ng
RT: 9.99 min Scan# 735
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	262652		
177	21.9	15.1	22.7	
150	12.3	10.2	15.4	

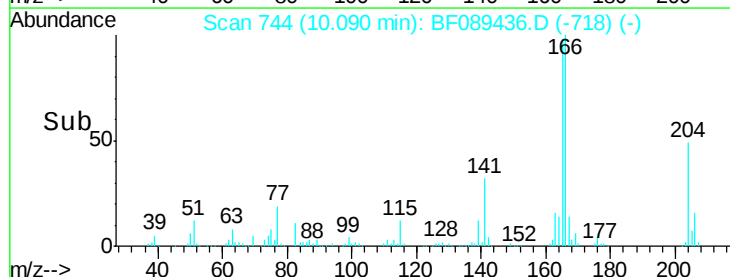
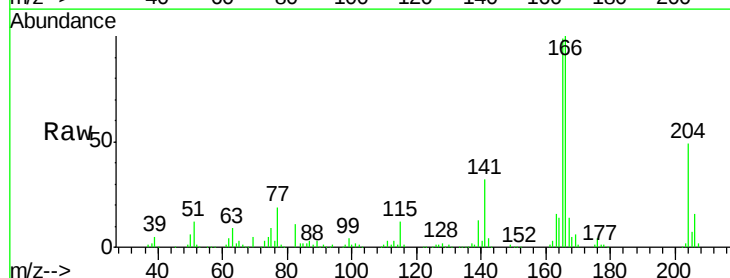
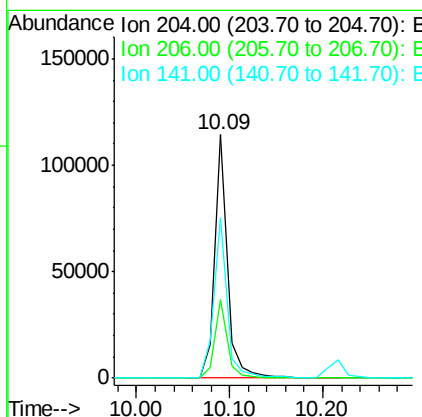
Manual Integrations
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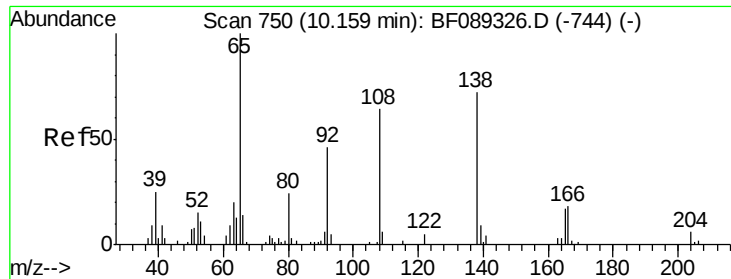
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#60
4-Chlorophenyl-phenylether
Concen: 46.82 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	108478		
206	32.3	26.6	39.8	
141	65.9	46.6	70.0	





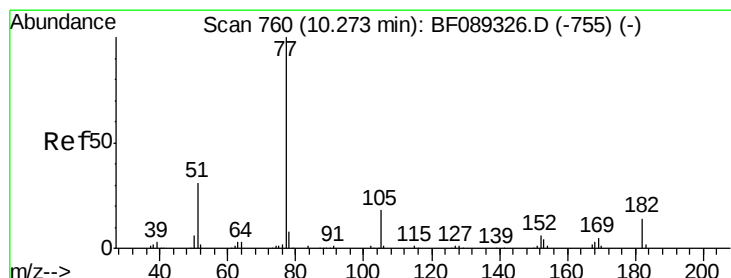
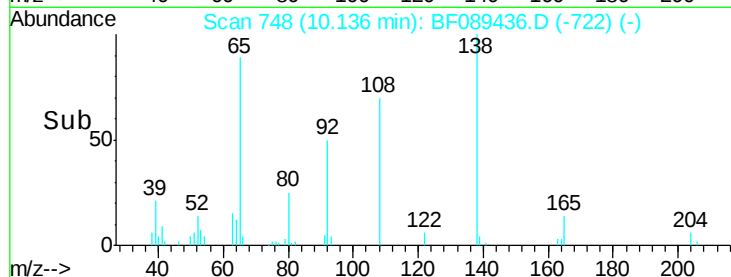
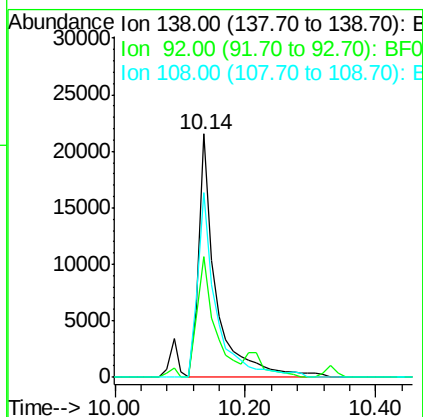
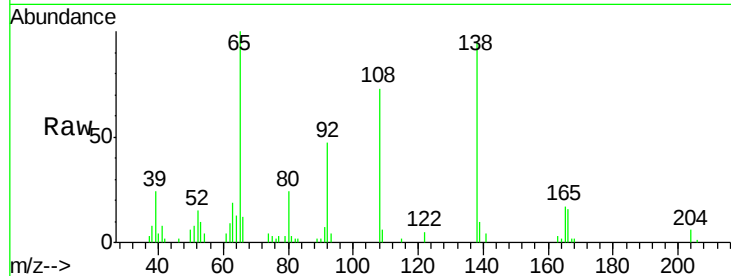
#61
4-Nitroaniline
Concen: 32.42 ng
RT: 10.14 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.6	41.2	81.2
108	76.0	69.6	109.6

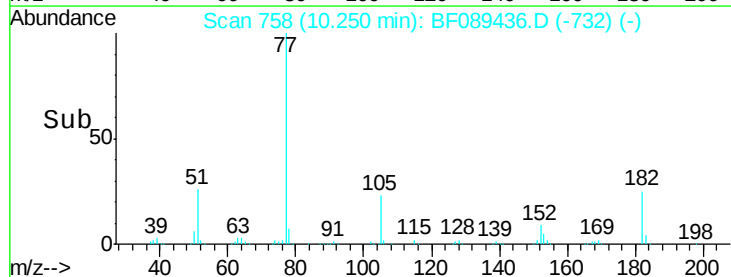
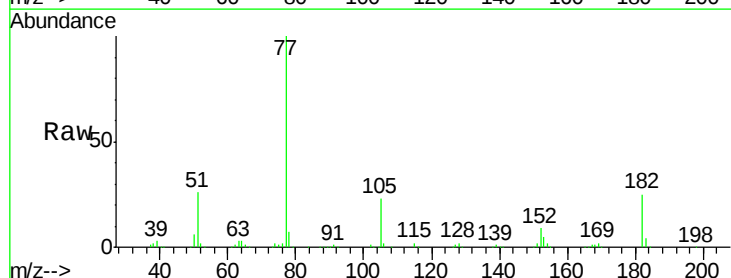
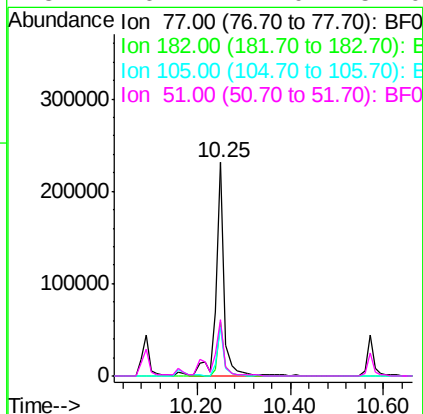
Manual Integrations
APPROVED

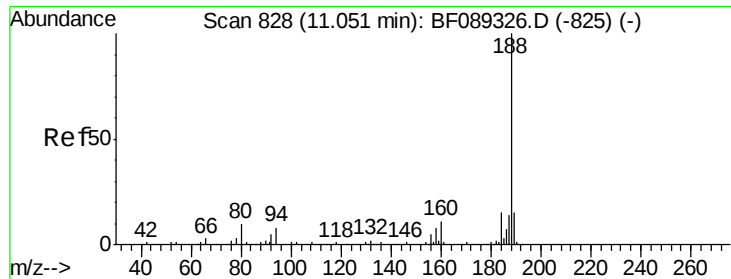
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#62
Azobenzene
Concen: 47.84 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.5	0.0	33.8
105	23.1	0.0	39.8
51	26.4	11.0	51.0





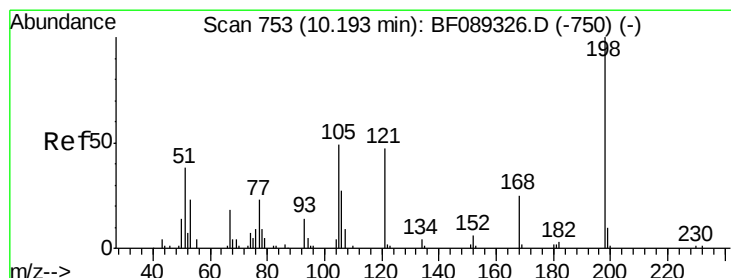
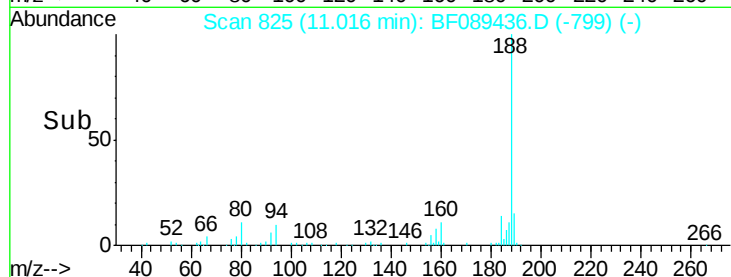
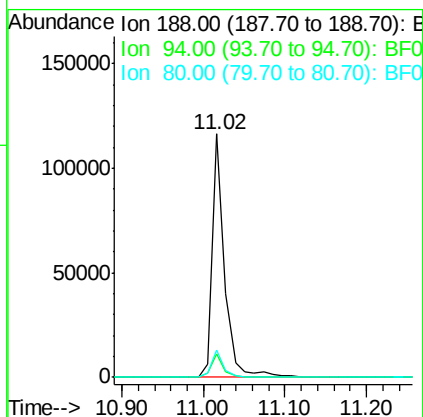
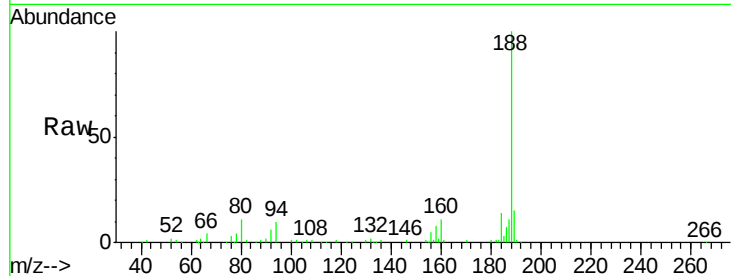
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	123902		
94	9.7	6.5	9.7	
80	11.4	7.2	10.8	

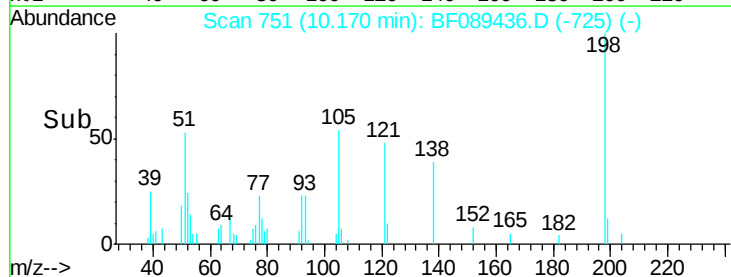
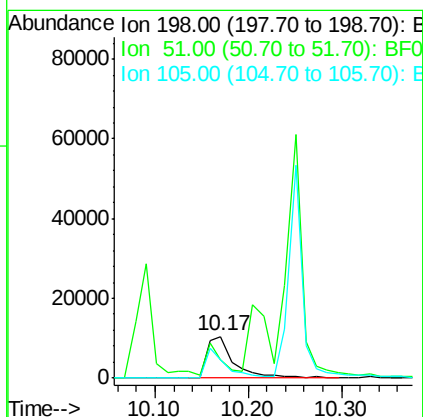
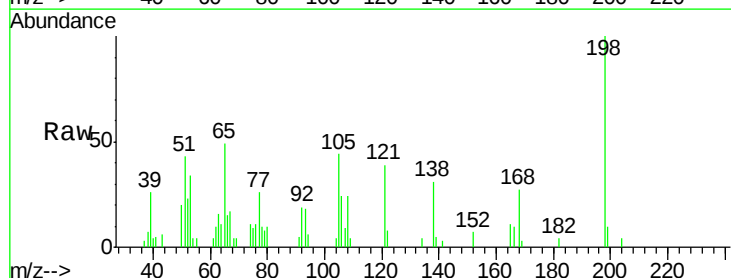
Manual Integrations
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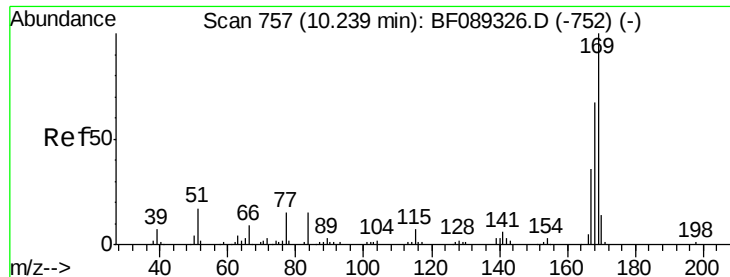
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#64
4,6-Dinitro-2-methylphenol
Concen: 29.21 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	20445		
51	43.0	23.0	63.0	
105	43.6	28.3	68.3	





#65

n-Nitrosodiphenylamine

Concen: 49.13 ng

RT: 10.22 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

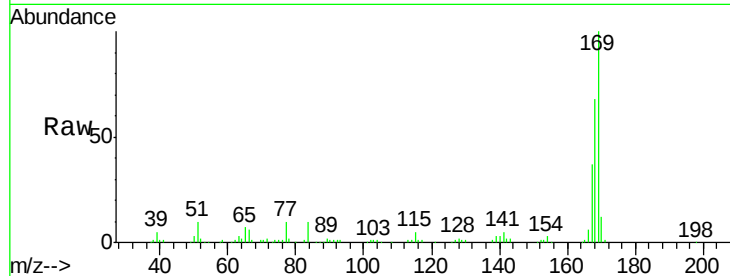
ClientSampleId :

GW-44-8.6-15.0MSD

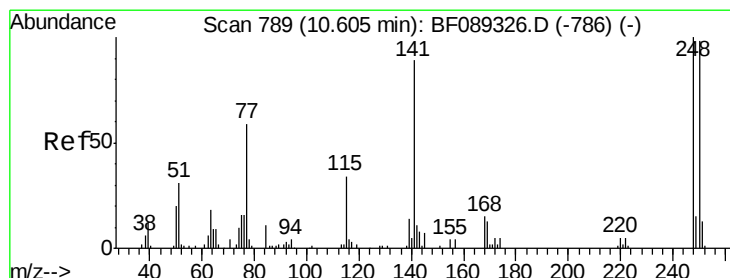
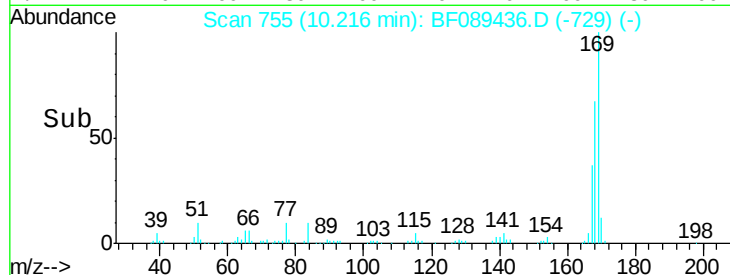
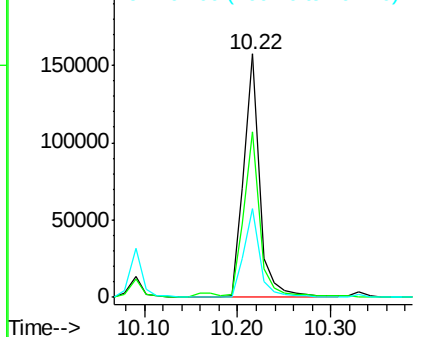
Tgt Ion:	169	Resp:	189934
Ion Ratio	Lower	Upper	
169	100		
168	68.2	55.4	83.0
167	36.5	29.7	44.5

Manual Integrations
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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: 49.99 ng

RT: 10.57 min Scan# 786

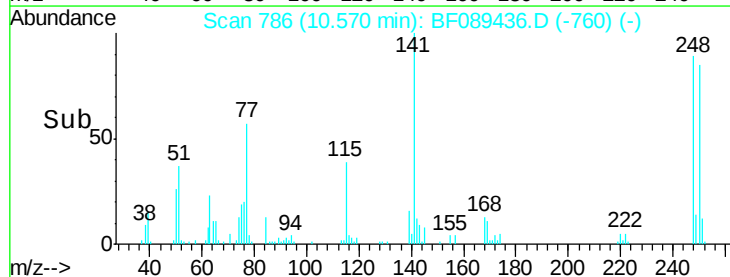
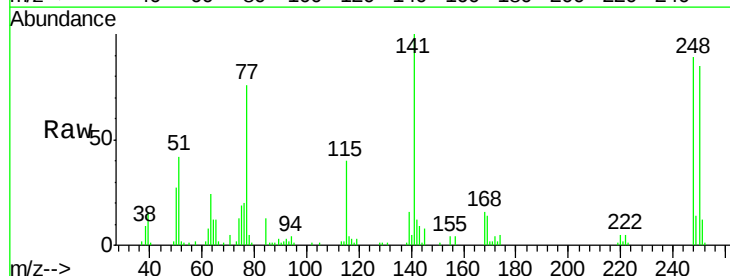
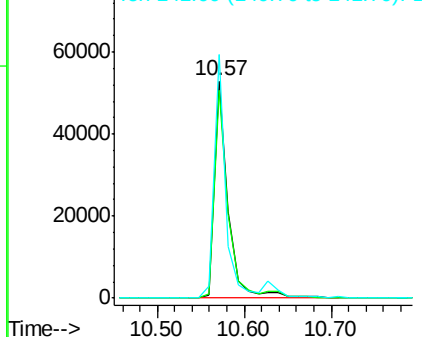
Delta R.T. -0.00 min

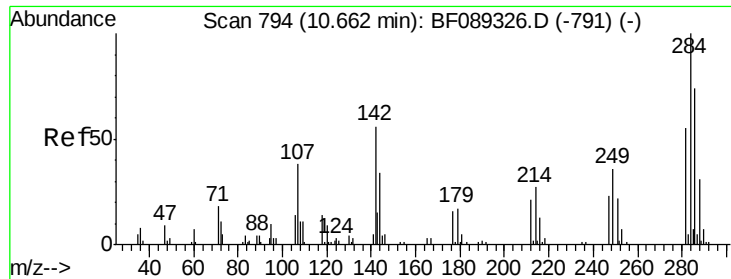
Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	248	Resp:	59133
Ion Ratio	Lower	Upper	
248	100		
250	95.5	78.2	117.2
141	112.0	62.0	93.0#

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





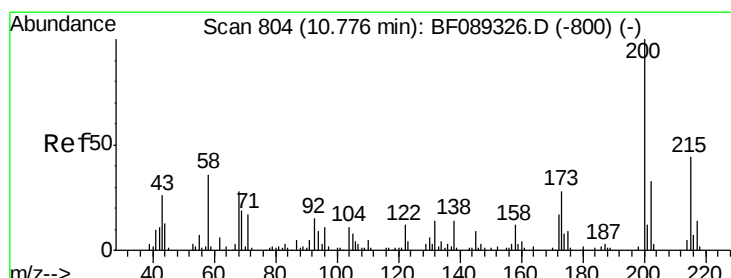
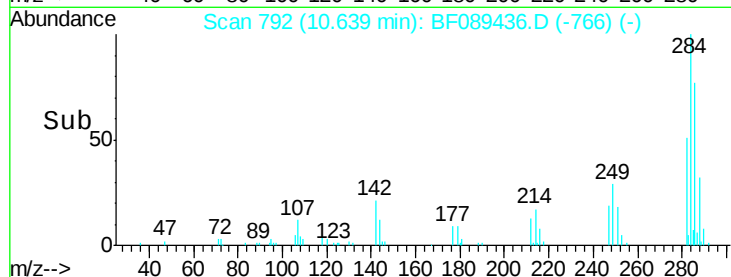
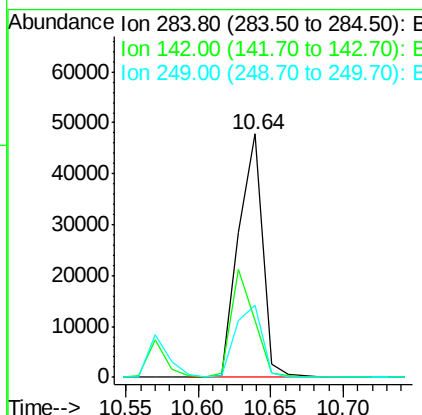
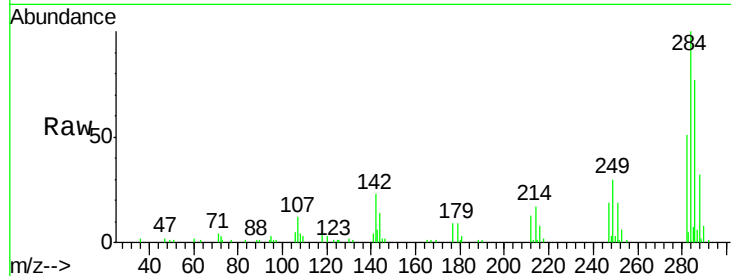
#67
Hexachlorobenzene
Concen: 45.47 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	55122		
142	23.2	42.2	63.4	#
249	29.7	29.4	44.0	

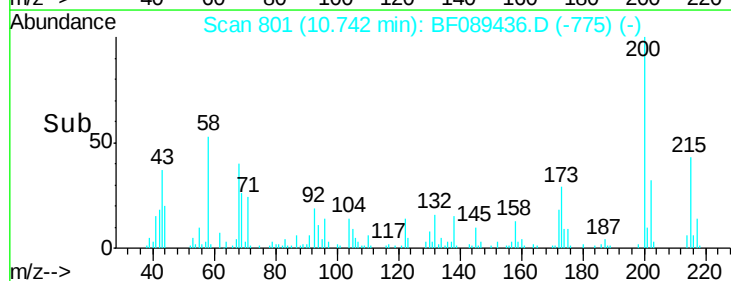
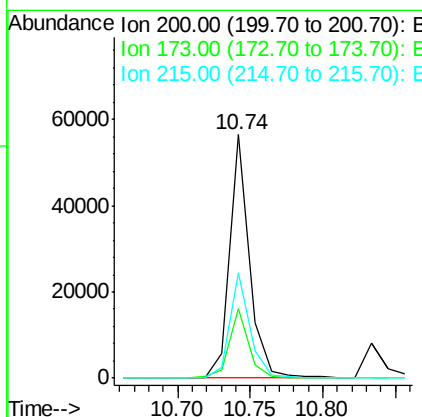
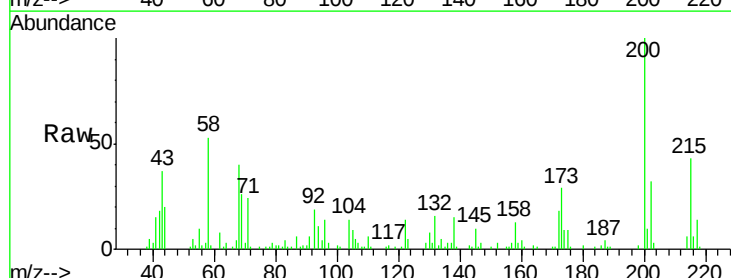
Manual Integrations
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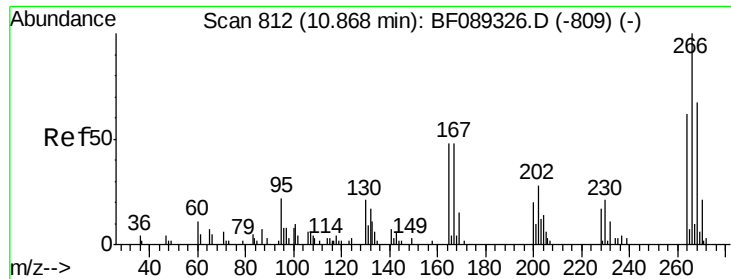
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#68
Atrazine
Concen: 45.15 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	53628		
173	28.8	6.0	46.0	
215	43.2	24.3	64.3	





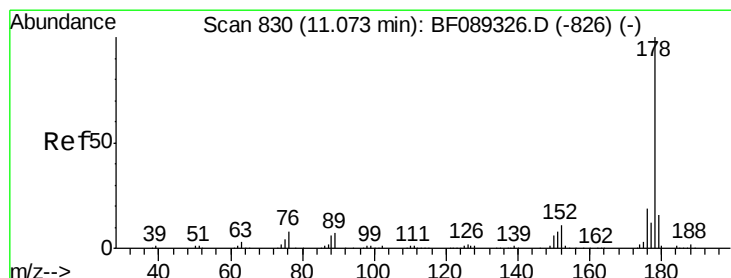
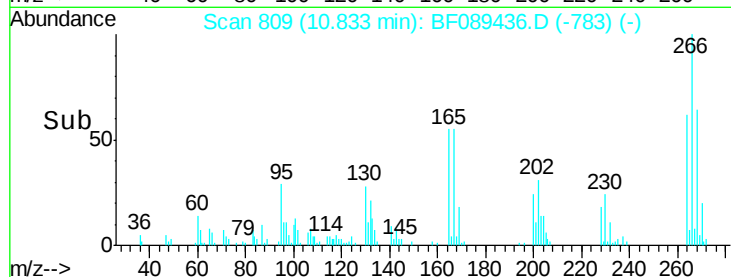
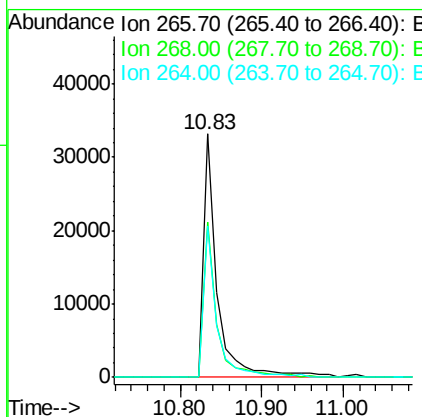
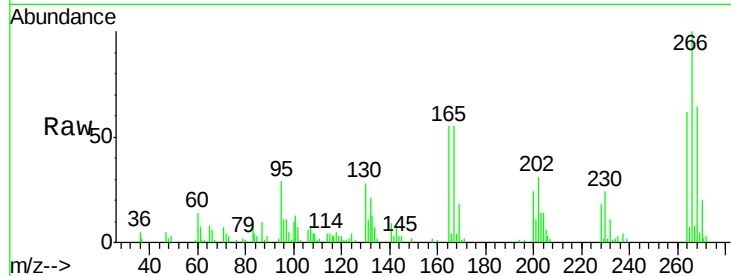
#69
 Pentachlorophenol
 Concen: 68.60 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.4	74.2
264	62.3	50.2	75.2

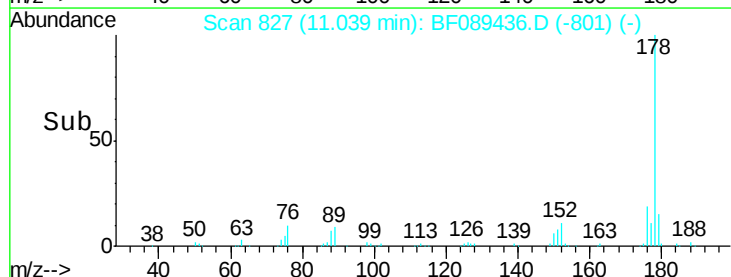
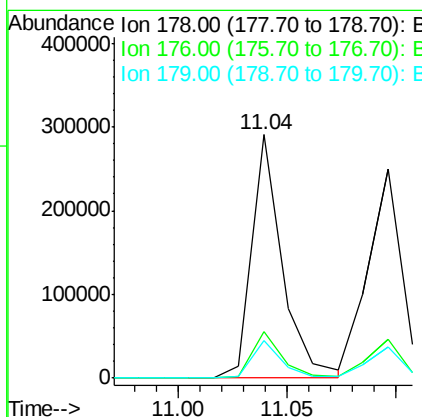
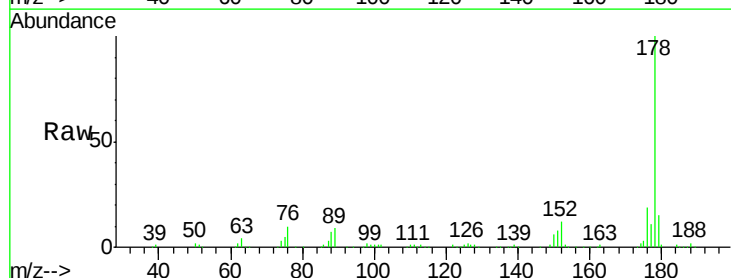
Manual Integrations
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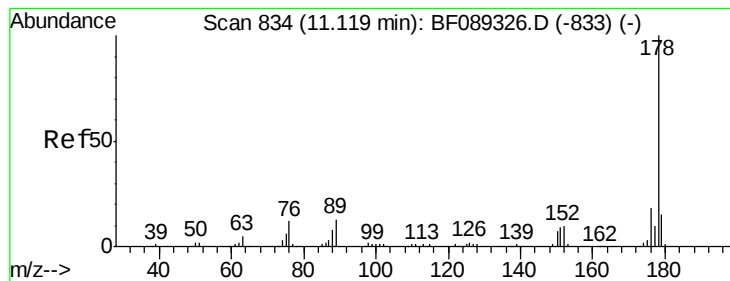
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#70
 Phenanthrene
 Concen: 44.49 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.4	12.3	18.5





#71

Anthracene

Concen: 42.29 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF089436.D

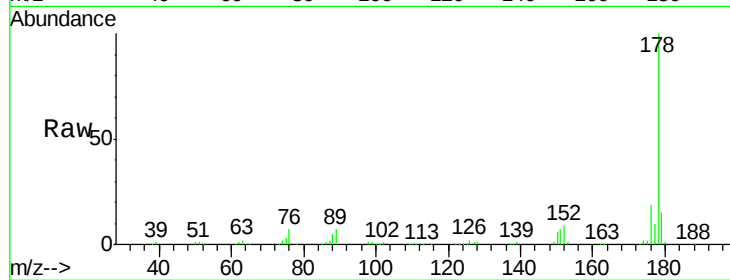
Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

ClientSampleId :

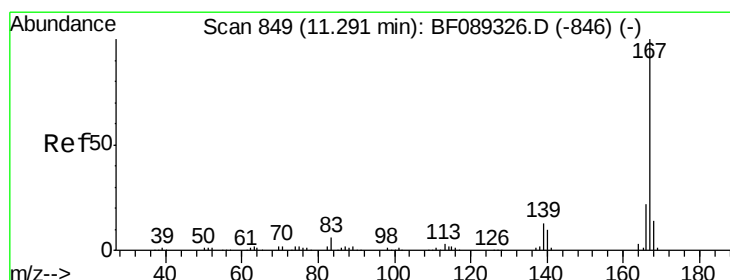
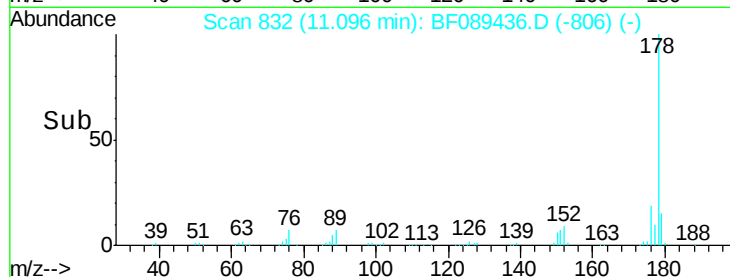
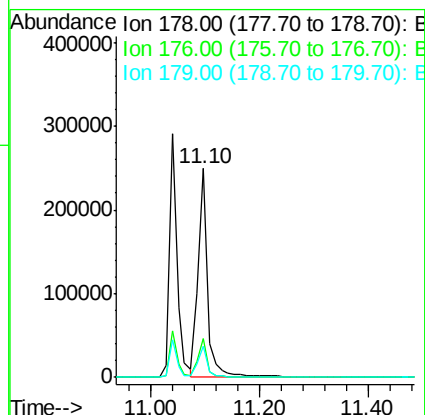
GW-44-8.6-15.0MSD



Tgt Ion:	178	Resp:	300442
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.8	22.2
179	15.1	12.6	18.8

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#72

Carbazole

Concen: 41.67 ng

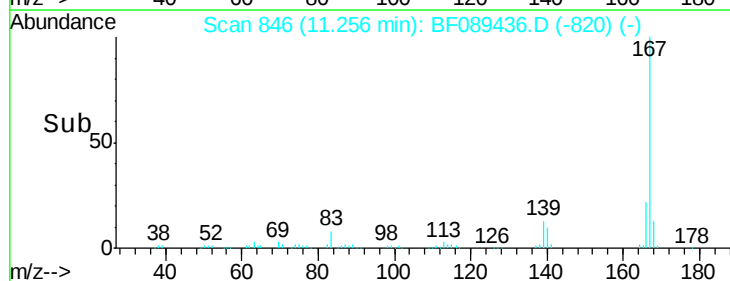
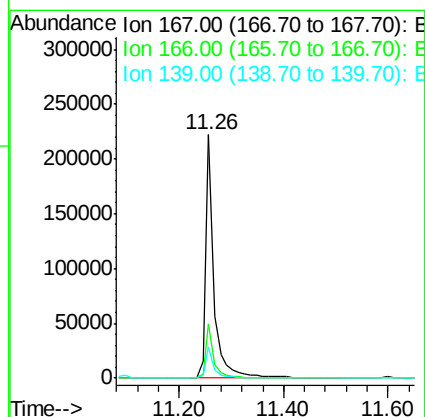
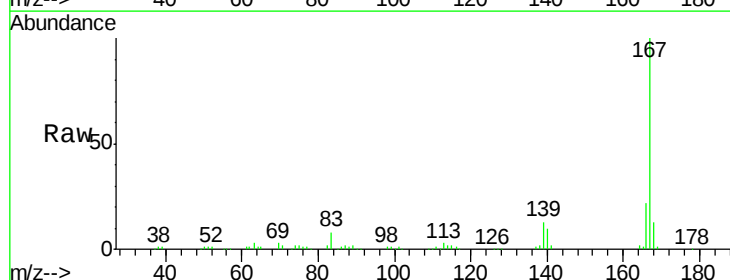
RT: 11.26 min Scan# 846

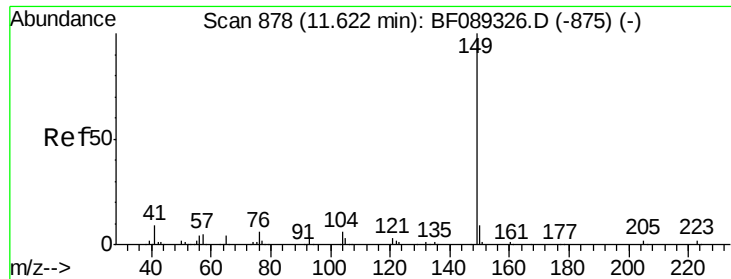
Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	167	Resp:	249197
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	13.0	10.1	15.1





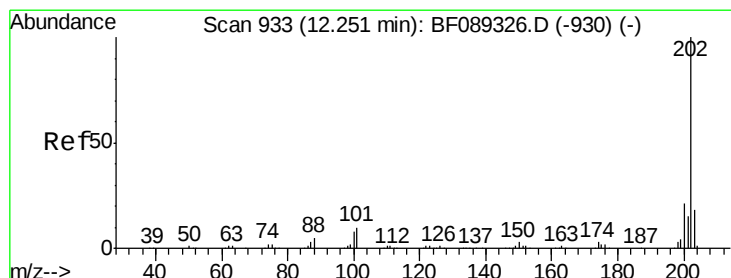
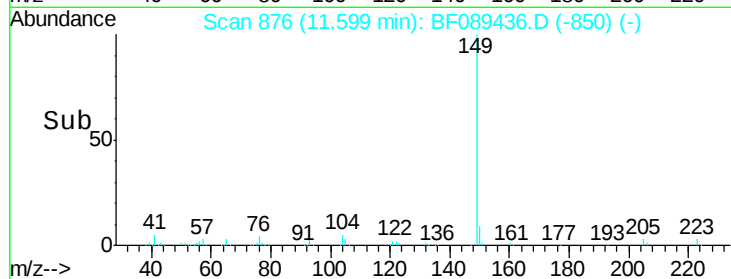
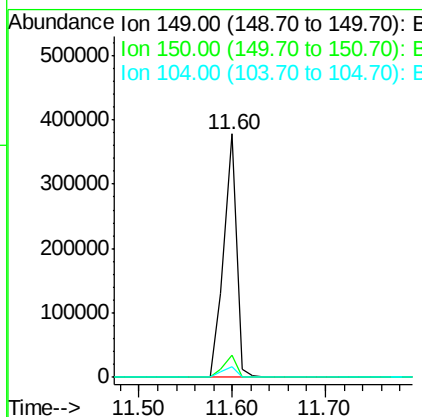
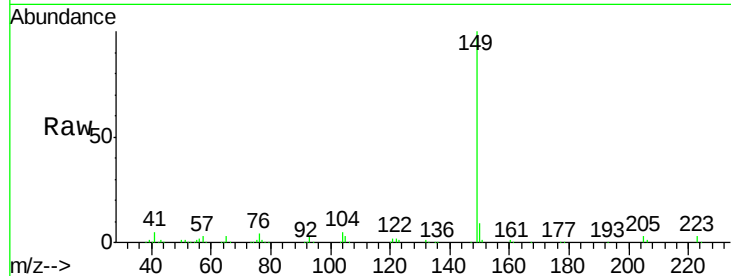
#73
Di-n-butylphthalate
Concen: 45.27 ng
RT: 11.60 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	9.0	7.4	11.0
104	4.6	4.7	7.1#

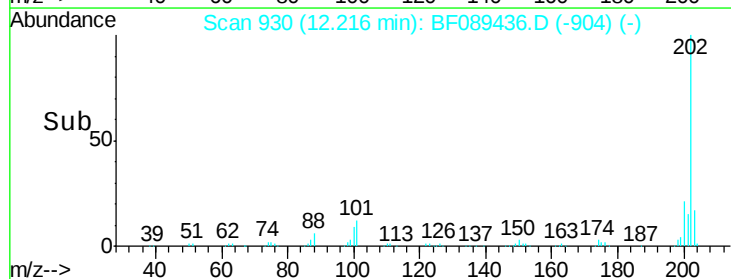
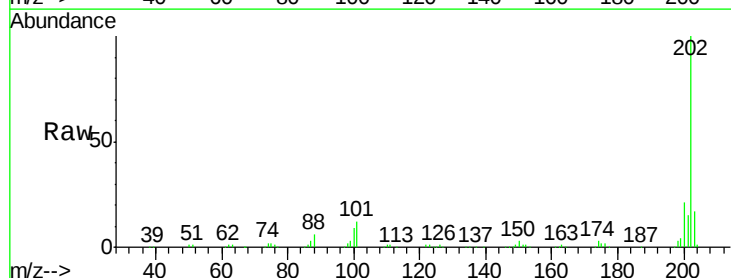
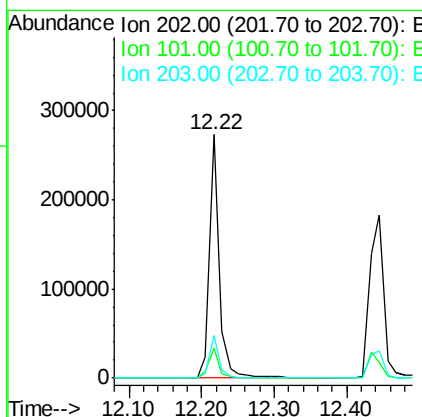
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#74
Fluoranthene
Concen: 38.85 ng
RT: 12.22 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.0	0.0	29.9
203	17.5	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

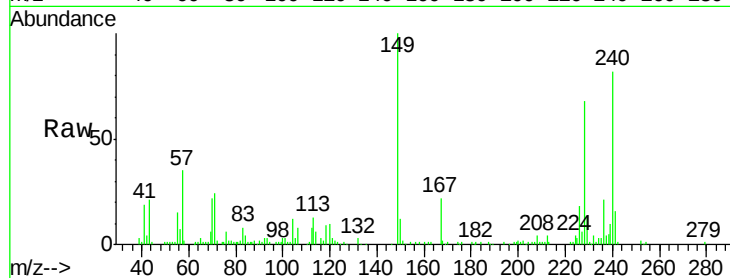
ClientSampleId :

GW-44-8.6-15.0MSD

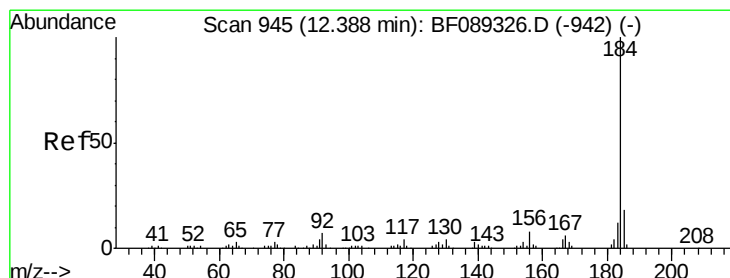
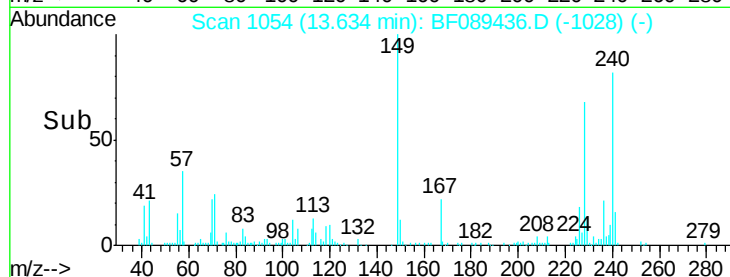
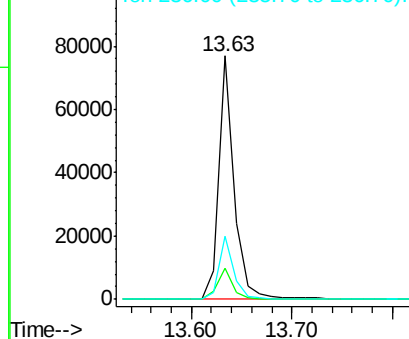
Tgt Ion:	240	Resp:	81455
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.1	13.7
236	25.8	20.6	30.8

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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: 27.65 ng

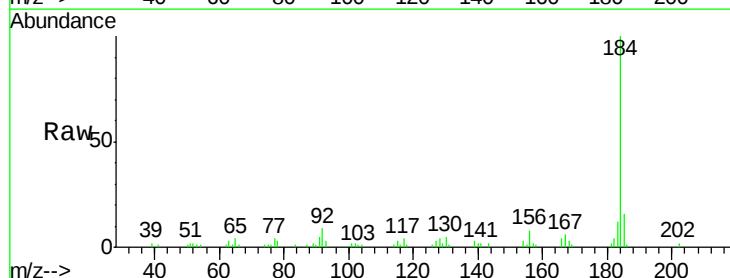
RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

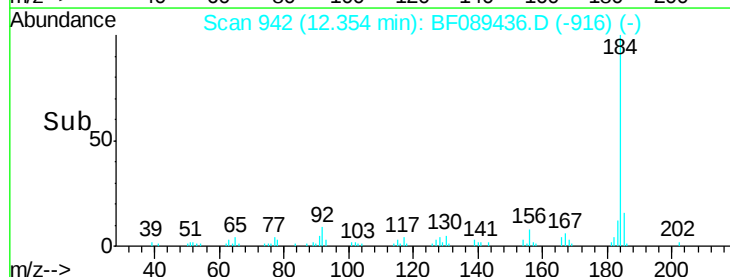
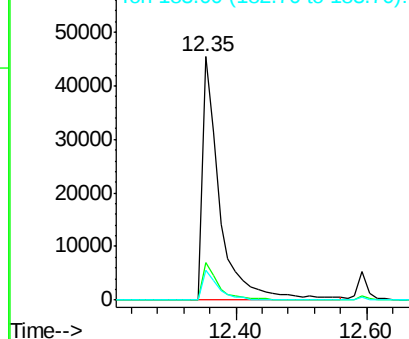
Lab File: BF089436.D

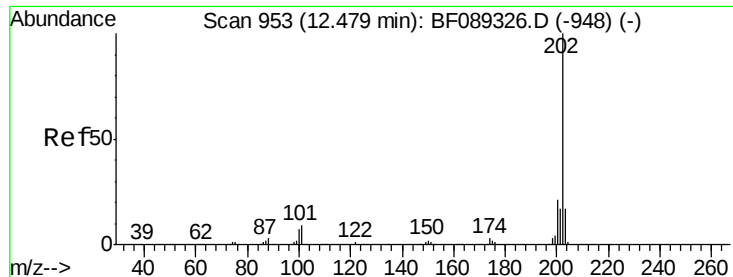
Acq: 30 Jul 2016 4:41

Tgt Ion:	184	Resp:	83217
Ion Ratio	Lower	Upper	
184	100		
185	15.7	13.5	20.3
183	12.1	9.8	14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





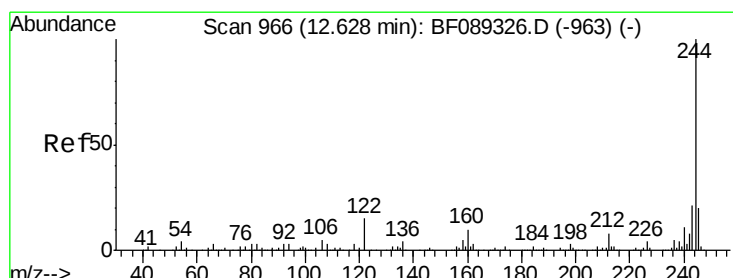
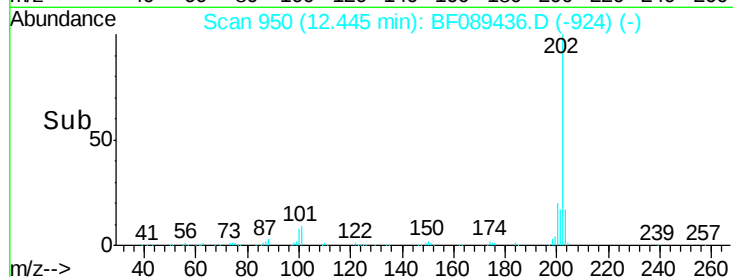
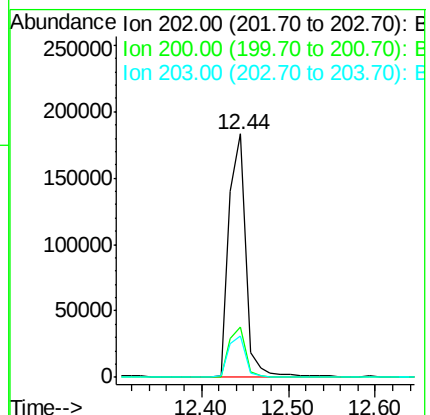
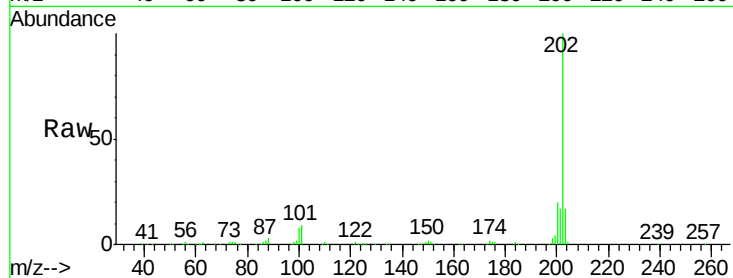
#77
Pyrene
 Concen: 39.95 ng
 RT: 12.44 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.9	25.3
203	16.9	14.0	21.0

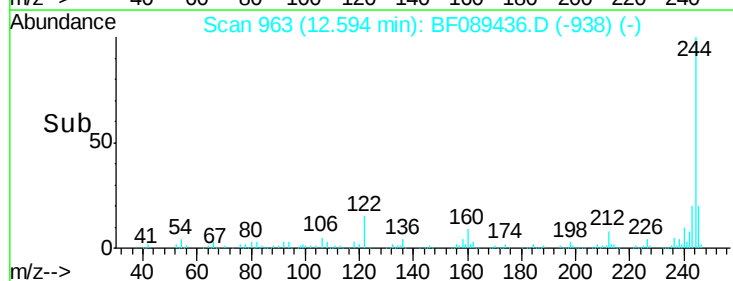
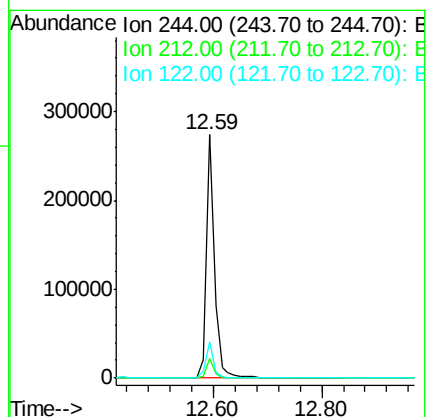
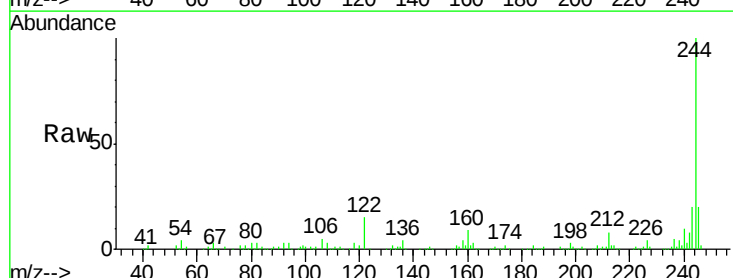
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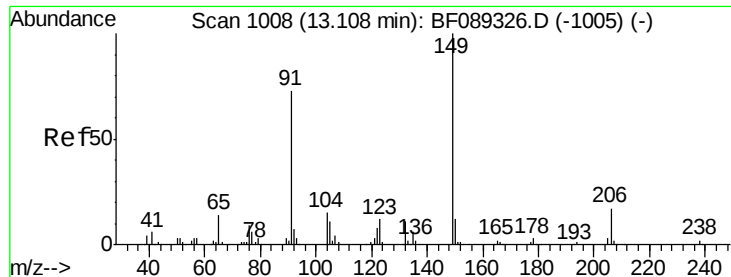
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#78
Terphenyl-d14
 Concen: 80.92 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.1	6.5	9.7
122	15.1	11.4	17.0





#79

Butylbenzylphthalate

Concen: 42.11 ng

RT: 13.07 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

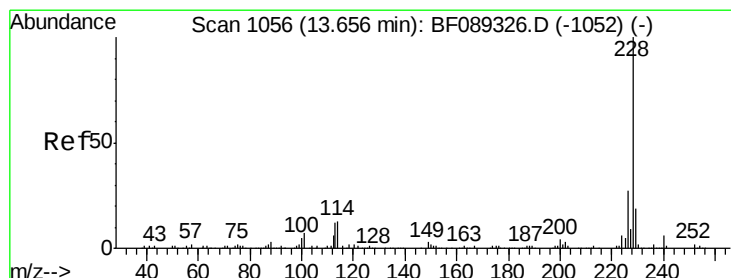
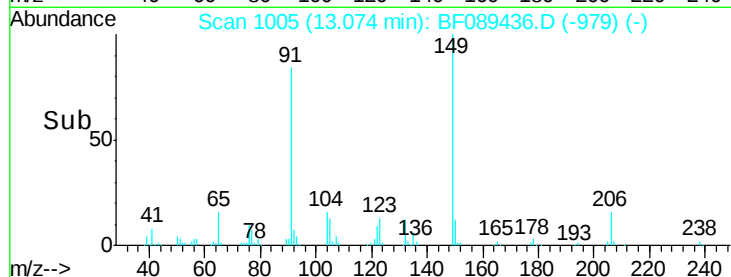
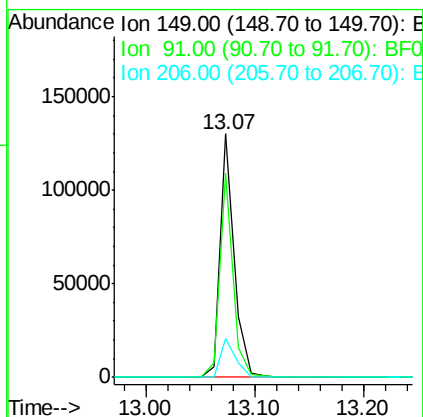
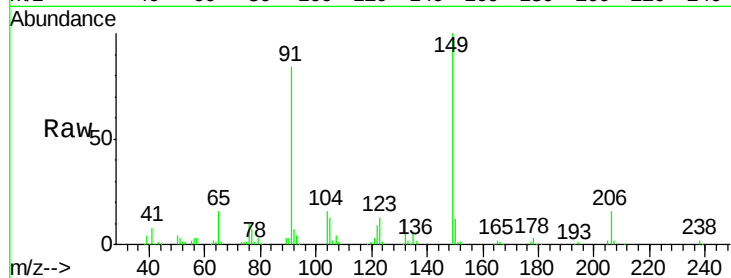
ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:	149	Resp:	118201
Ion Ratio	Lower	Upper	
149	100		
91	84.0	58.5	87.7
206	15.9	13.8	20.8

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#80

Benzo(a)anthracene

Concen: 43.57 ng

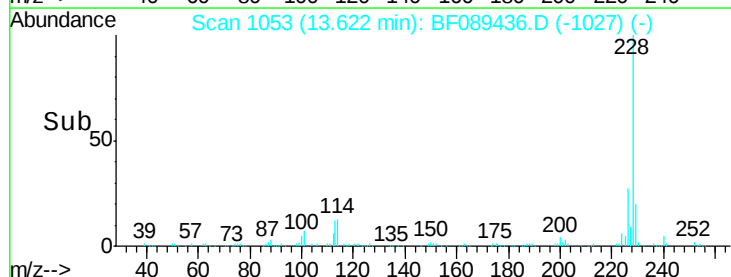
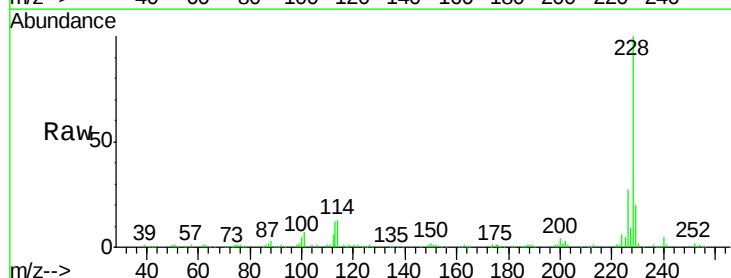
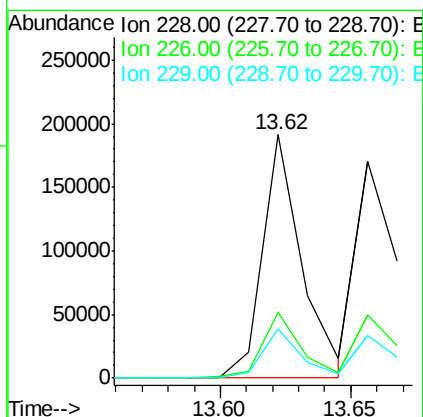
RT: 13.62 min Scan# 1053

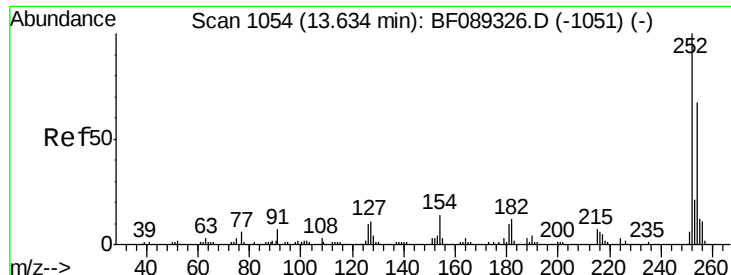
Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Tgt Ion:	228	Resp:	200267
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.4	32.2
229	19.9	15.9	23.9





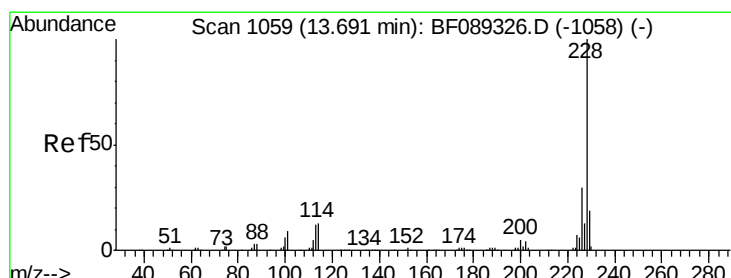
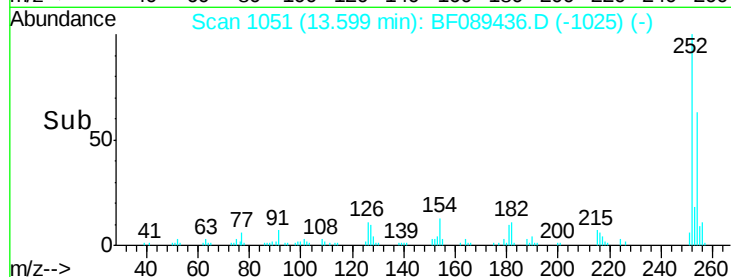
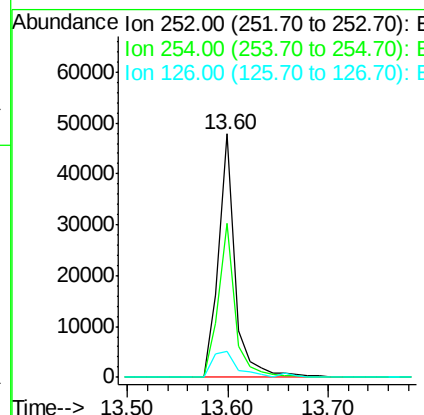
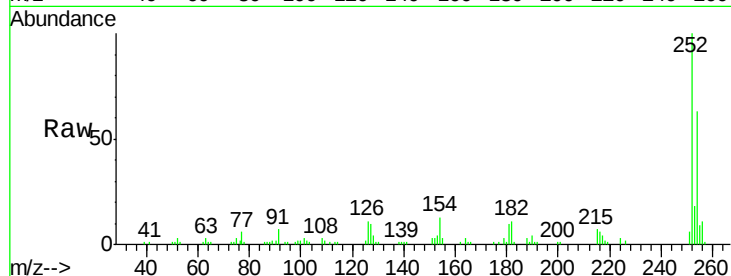
#81
 3,3'-Dichlorobenzidine
 Concen: 33.64 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	52.5	78.7
126	10.6	7.4	11.2

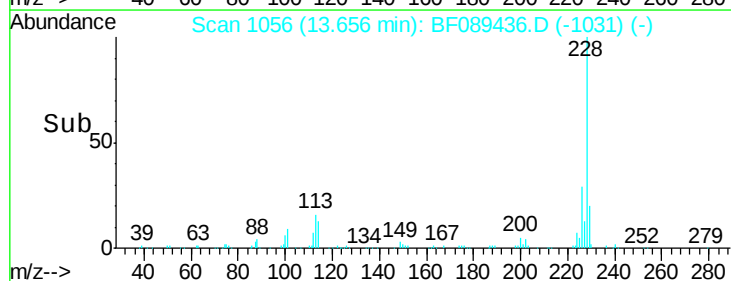
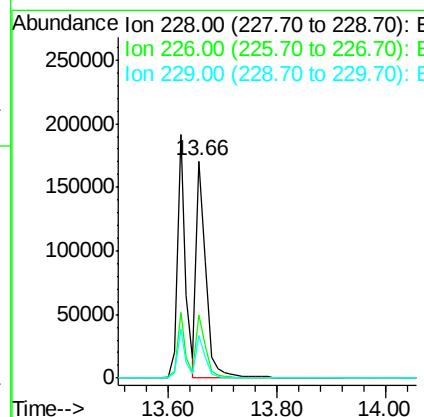
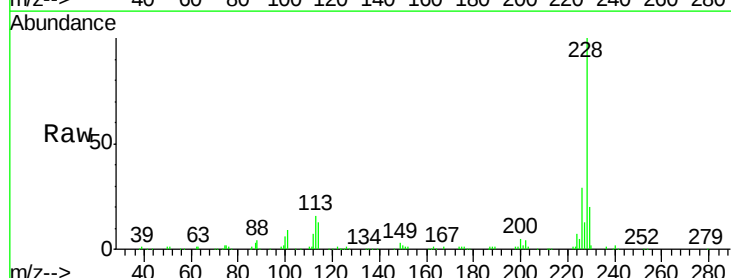
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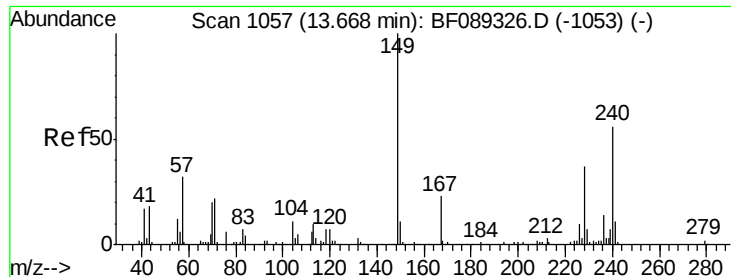
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#82
 Chrysene
 Concen: 43.06 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.2
229	19.8	15.9	23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.30 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BF089436.D

Acq: 30 Jul 2016 4:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0MSD

Tgt Ion:149 Resp: 167558
Ion Ratio Lower Upper

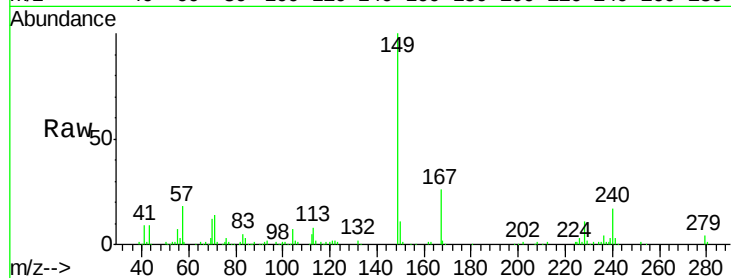
149 100

167 25.8 18.8 28.2

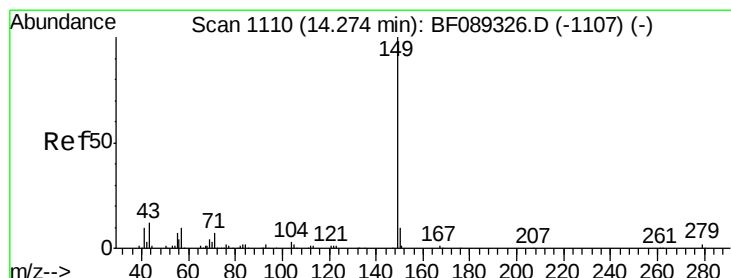
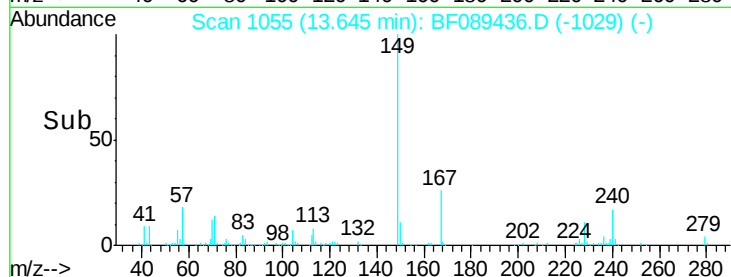
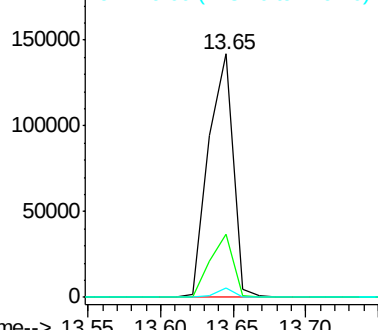
279 3.9 1.4 2.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.19 ng

RT: 14.25 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BF089436.D

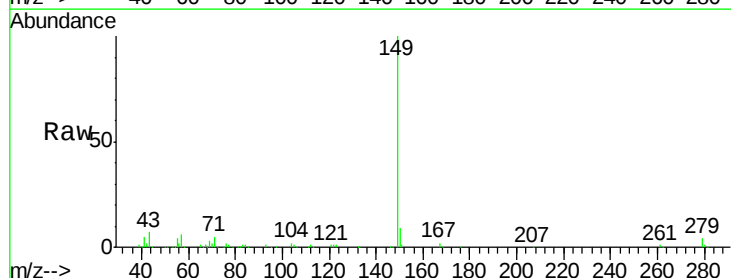
Acq: 30 Jul 2016 4:41

Tgt Ion:149 Resp: 286110
Ion Ratio Lower Upper

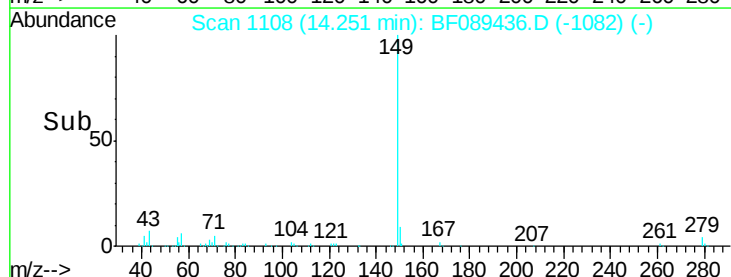
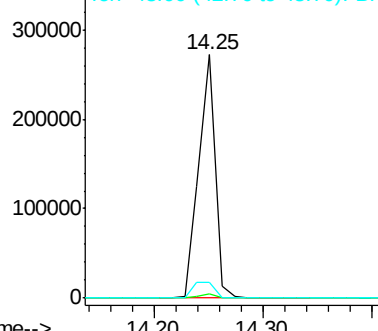
149 100

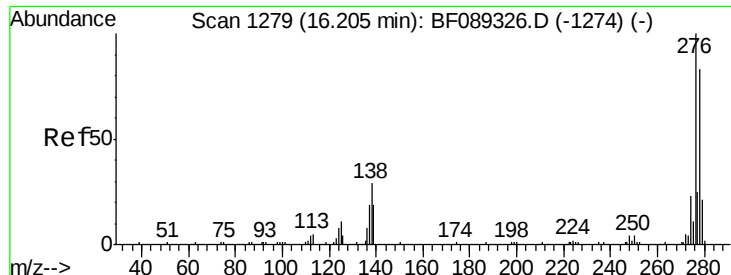
167 1.4 1.1 1.7

43 9.1 7.3 10.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





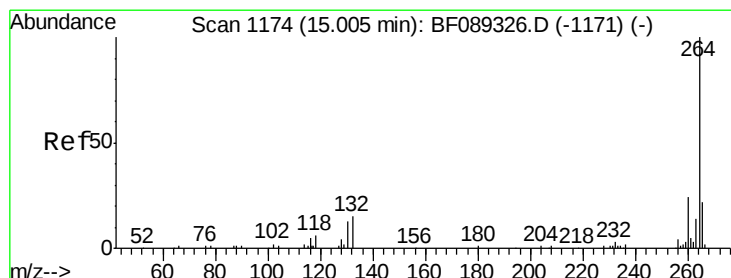
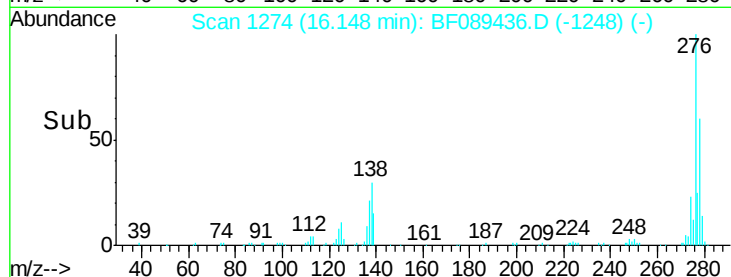
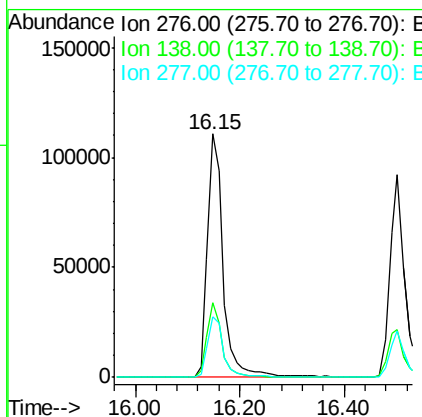
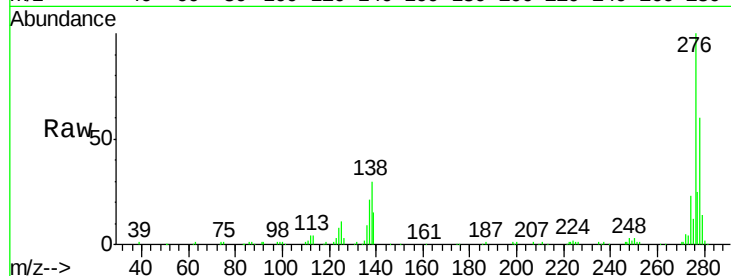
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 66.85 ng
 RT: 16.15 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	23.0	34.4
277	25.2	20.2	30.4

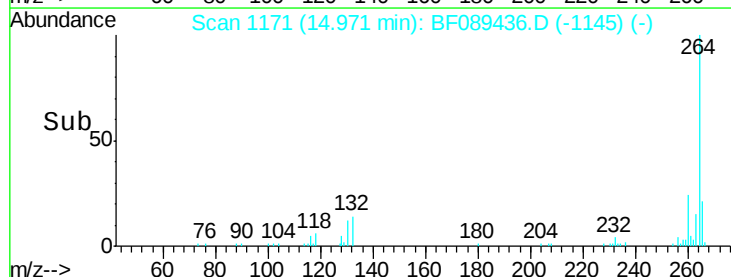
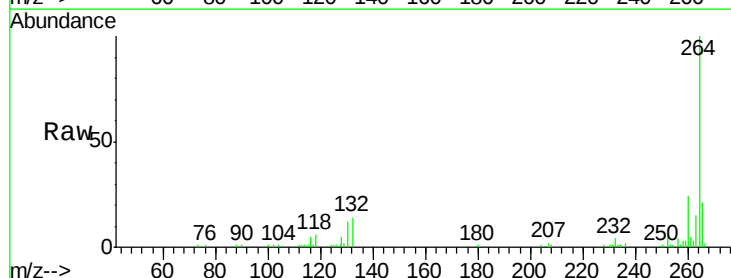
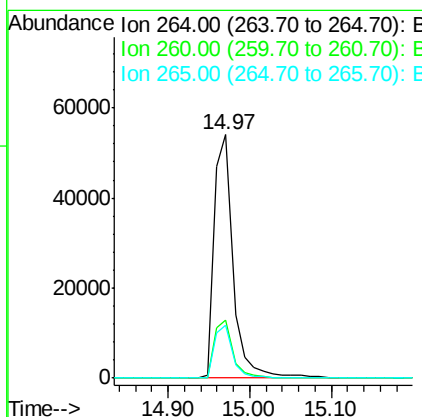
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.5	17.5	26.3





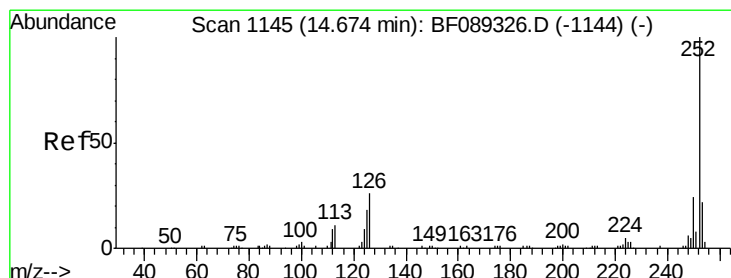
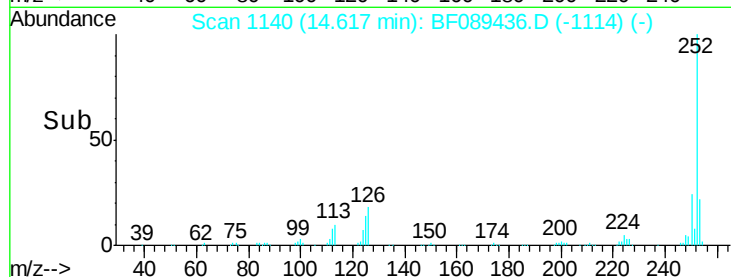
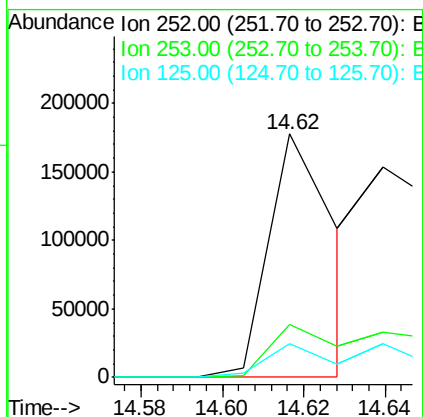
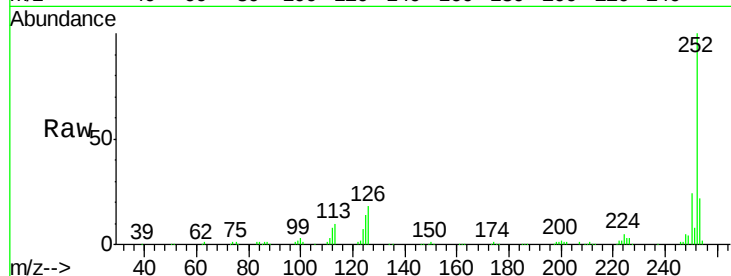
#87
Benzo(b)fluoranthene
Concen: 37.00 ng m
RT: 14.62 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	13.9	9.7	14.5

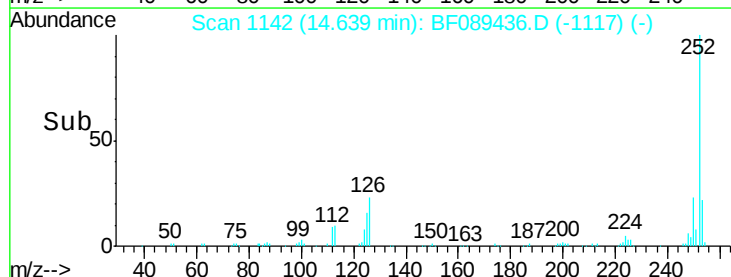
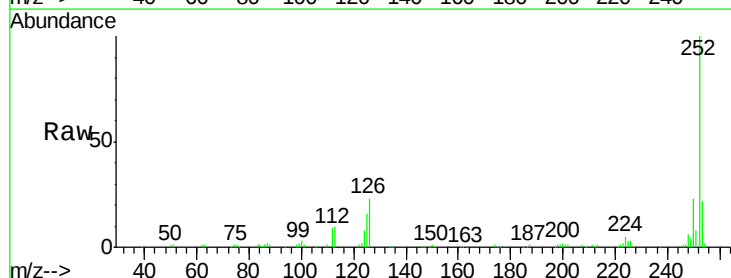
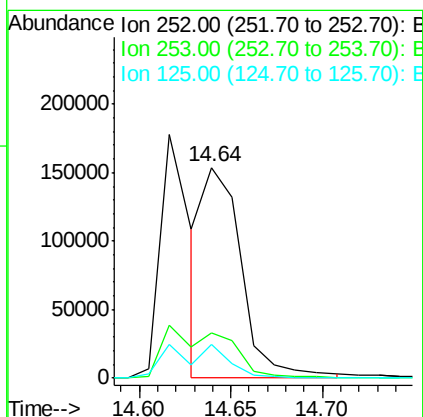
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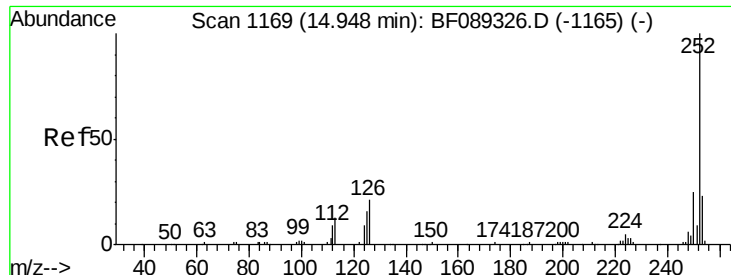
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#88
Benzo(k)fluoranthene
Concen: 45.49 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	15.7	10.7	16.1





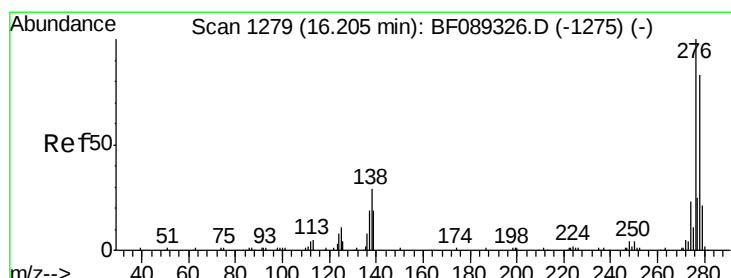
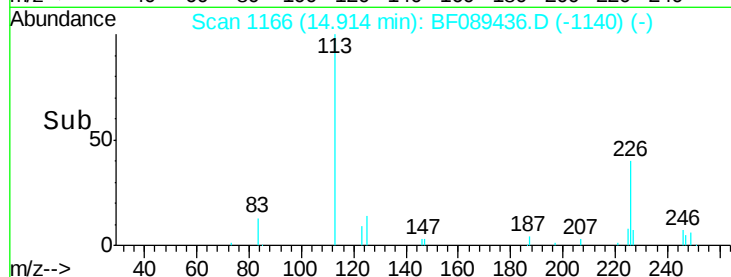
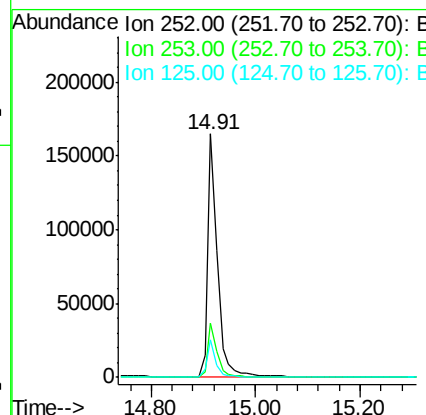
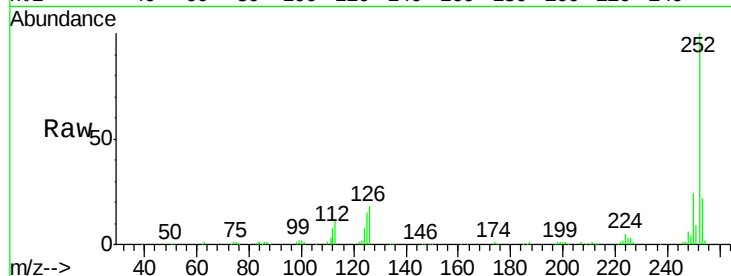
#89
Benzo(a)pyrene
Concen: 43.29 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	15.2	12.4	18.6

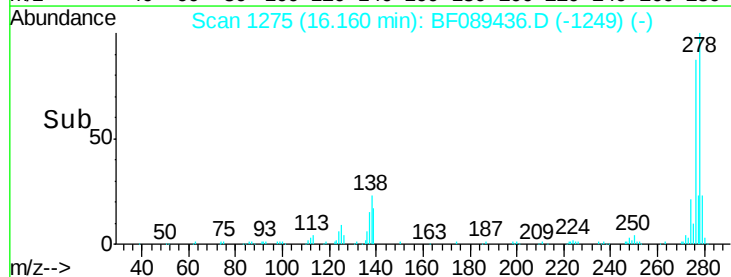
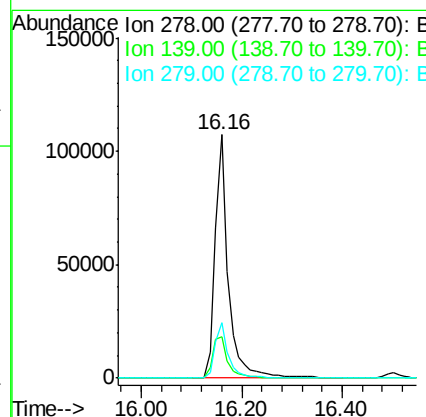
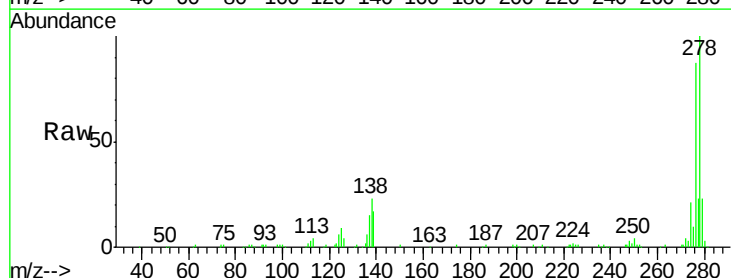
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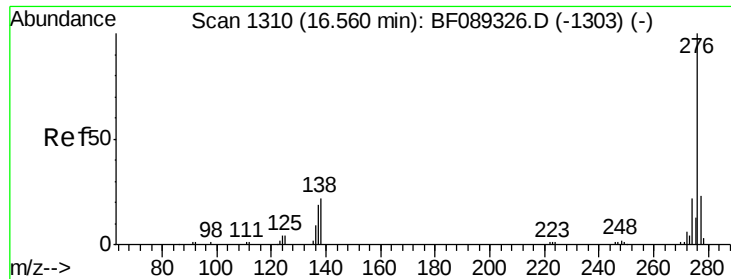
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#90
Dibenzo(a,h)anthracene
Concen: 51.21 ng
RT: 16.16 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF089436.D
Acq: 30 Jul 2016 4:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.3	24.5
279	22.6	19.1	28.7





#91
 Benzo(g,h,i)perylene
 Concen: 50.80 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF089436.D
 Acq: 30 Jul 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0MSD

Tgt Ion:	276	Resp:	191873
Ion Ratio		Lower	Upper
276	100		
277	22.9	18.6	28.0
138	23.7	21.4	32.0

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