

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093609.D
 Acq On : 13 Mar 2017 16:07
 Operator : SJ/MA
 Sample : PB97540BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:38:01 PM

Quant Time: Mar 14 01:31:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	164317	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	691794	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	316997	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	536280	20.00	ng	0.00
75) Chrysene-d12	13.90	240	338336	20.00	ng	0.01
86) Perylene-d12	15.31	264	265589	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1261017	127.73	ng	-0.01
7) Phenol-d6	6.38	99	1574300	126.45	ng	0.00
23) Nitrobenzene-d5	7.29	82	1013856	81.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	278229	134.72	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1582302	92.84	ng	0.00
78) Terphenyl-d14	12.84	244	1160766	89.20	ng	0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.21	88	154574	28.42	ng	# 81
3) Pyridine	2.89	79	380649	27.45	ng	87
4) n-Nitrosodimethylamine	2.85	42	259942	39.25	ng	84
6) Aniline	6.38	93	454370	26.59	ng	# 79
8) 2-Chlorophenol	6.50	128	456242	41.24	ng	94
9) Benzaldehyde	6.29	77	40263	3.50	ng	95
10) Phenol	6.39	94	622444	40.80	ng	80
11) bis(2-Chloroethyl)ether	6.45	93	540959	43.87	ng	91
12) 1,3-Dichlorobenzene	6.64	146	501904	39.64	ng	# 89
13) 1,4-Dichlorobenzene	6.72	146	513014	39.57	ng	100
14) 1,2-Dichlorobenzene	6.88	146	445546	38.81	ng	96
15) Benzyl Alcohol	6.87	79	404134	45.54	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.00	45	798804	39.00	ng	# 47
17) 2-Methylphenol	7.00	107	391118	41.80	ng	# 89
18) Hexachloroethane	7.21	117	173640	39.72	ng	97
19) n-Nitroso-di-n-propylamine	7.13	70	334127	39.04	ng	90
20) 3+4-Methylphenols	7.16	107	528875	43.59	ng	# 73
22) Acetophenone	7.13	105	640445	38.47	ng	# 97
24) Nitrobenzene	7.30	77	527695	37.66	ng	96
25) Isophorone	7.54	82	964951	38.38	ng	# 93
26) 2-Nitrophenol	7.62	139	264955	41.44	ng	91
27) 2,4-Dimethylphenol	7.68	122	399656	38.43	ng	95
28) bis(2-Chloroethoxy)methane	7.76	93	623761	39.30	ng	100
29) 2,4-Dichlorophenol	7.89	162	404706	41.36	ng	94
30) 1,2,4-Trichlorobenzene	7.94	180	393433	37.81	ng	95
31) Naphthalene	8.02	128	1301839	37.55	ng	99
32) Benzoic acid	7.85	122	283362	52.43	ng	98
33) 4-Chloroaniline	8.09	127	291918	20.75	ng	98
34) Hexachlorobutadiene	8.14	225	208041	38.82	ng	98
35) Caprolactam	8.47	113	134006	40.10	ng	# 28
36) 4-Chloro-3-methylphenol	8.60	107	456657	43.73	ng	99
37) 2-Methylnaphthalene	8.72	142	874146	39.63	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	366714	42.37	ng	99
40) Hexachlorocyclopentadiene	8.87	237	186008	84.38	ng	98

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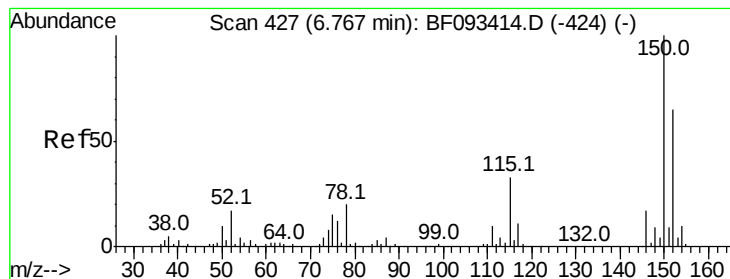
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	258423	47.78	nq	94
43) 2,4,5-Trichlorophenol	9.06	196	266982	46.01	nq	97
45) 1,1'-Biphenyl	9.18	154	980064	42.44	nq	95
46) 2-Chloronaphthalene	9.21	162	840880	47.57	nq	97
47) 2-Nitroaniline	9.33	65	303305	48.54	nq	88
48) Acenaphthylene	9.62	152	1291450	44.30	nq	99
49) Dimethylphthalate	9.50	163	972197	46.26	nq	100
50) 2,6-Dinitrotoluene	9.57	165	227670	49.37	nq	# 83
51) Acenaphthene	9.80	154	762833	44.25	nq	97
52) 3-Nitroaniline	9.74	138	164527	29.70	nq	90
53) 2,4-Dinitrophenol	9.86	184	111352m	53.02	nq	
54) Dibenzofuran	9.97	168	1056741	48.98	nq	99
55) 4-Nitrophenol	9.94	139	196964m	73.20	nq	
56) 2,4-Dinitrotoluene	9.98	165	281613	49.71	nq	# 91
57) Fluorene	10.31	166	796155	43.54	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.10	232	208027	50.80	nq	97
59) Diethylphthalate	10.20	149	968293	48.21	nq	98
60) 4-Chlorophenyl-phenylether	10.30	204	365696	44.62	nq	96
61) 4-Nitroaniline	10.37	138	230779	40.73	nq	87
62) Azobenzene	10.46	77	1159490	50.80	nq	91
64) 4,6-Dinitro-2-methylphenol	10.40	198	116607	33.56	nq	87
65) n-Nitrosodiphenylamine	10.42	169	719011	40.15	nq	99
66) 4-Bromophenyl-phenylether	10.79	248	218008	38.44	nq	95
67) Hexachlorobenzene	10.86	284	216355	39.95	nq	# 75
68) Atrazine	10.96	200	195598	37.32	nq	100
69) Pentachlorophenol	11.08	266	130893	70.01	nq	99
70) Phenanthrene	11.27	178	1197299	39.11	nq	99
71) Anthracene	11.33	178	1243492	40.16	nq	99
72) Carbazole	11.49	167	1032819	35.51	nq	99
73) Di-n-butylphthalate	11.82	149	1348859	40.08	nq	# 95
74) Fluoranthene	12.47	202	1137069	38.46	nq	93
76) Benzidine	12.61	184	82700	7.43	nq	96
77) Pyrene	12.70	202	1102640	44.81	nq	98
79) Butylbenzylphthalate	13.31	149	479510	46.29	nq	96
80) Benzo(a)anthracene	13.89	228	849012	42.49	nq	99
81) 3,3'-Dichlorobenzidine	13.85	252	245925	35.14	nq	# 95
82) Chrysene	13.92	228	698292	37.77	nq	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	621764	43.07	nq	99
84) Di-n-octyl phthalate	14.48	149	977736	40.63	nq	99
85) Indeno(1,2,3-cd)pyrene	16.67	276	783060	50.61	nq	# 94
87) Benzo(b)fluoranthene	14.91	252	834748m	51.61	nq	
88) Benzo(k)fluoranthene	14.94	252	499646m	32.03	nq	
89) Benzo(a)pyrene	15.25	252	650487	44.00	nq	97
90) Dibenzo(a,h)anthracene	16.67	278	657331	53.75	nq	96
91) Benzo(g,h,i)perylene	17.08	276	694343	55.32	nq	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

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BNA_F

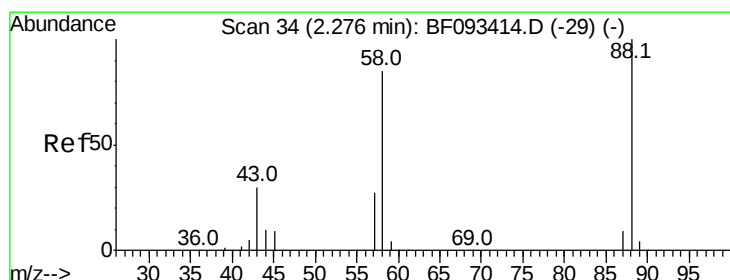
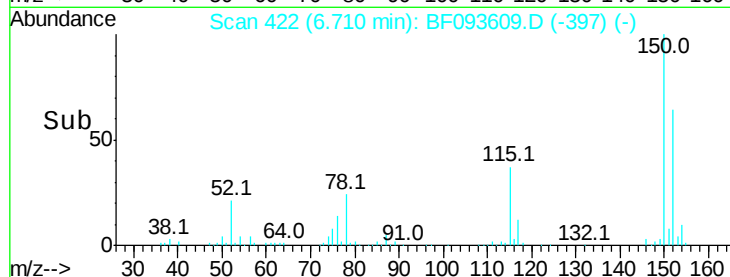
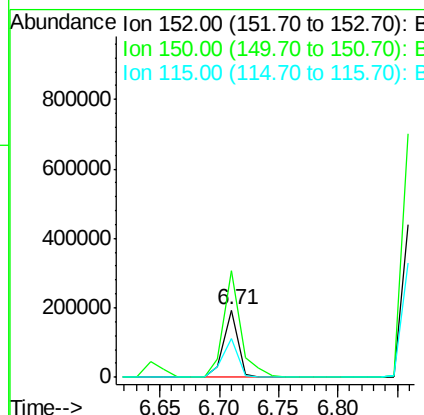
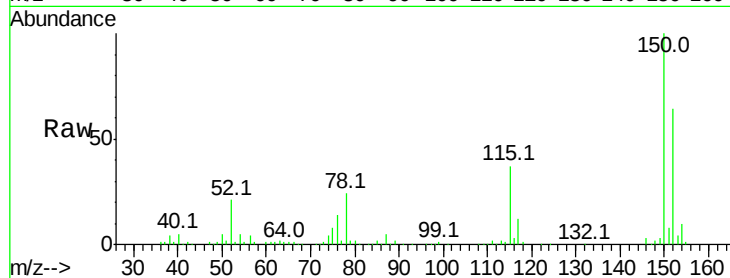
ClientSampleId :

PB97540BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	57.7	46.0	69.0

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#2

1,4-Dioxane

Concen: 28.42 ng

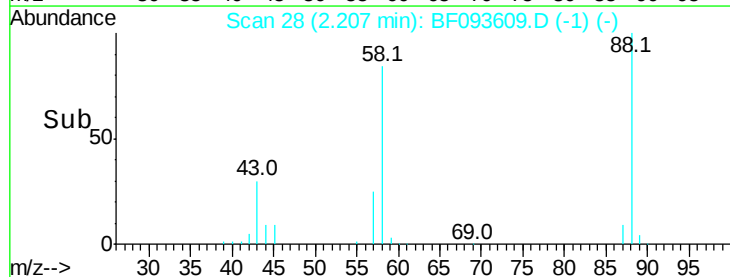
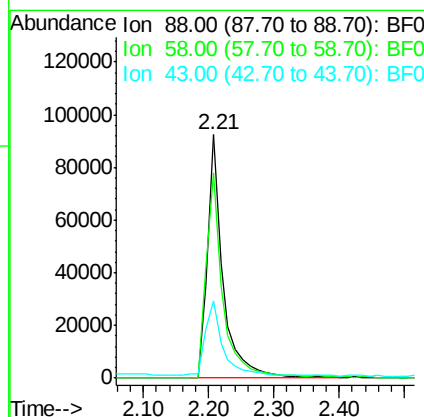
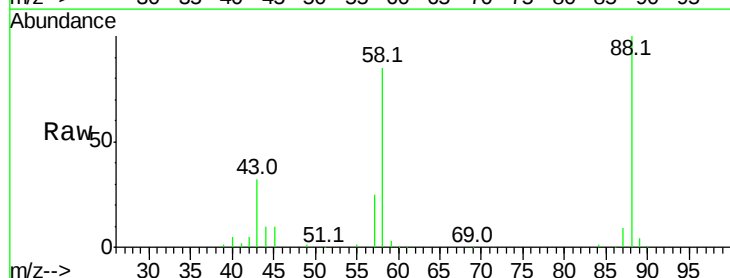
RT: 2.21 min Scan# 28

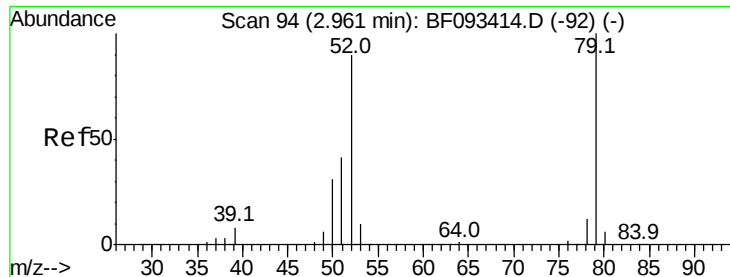
Delta R.T. 0.02 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.1	57.8	86.8#
43	36.2	22.3	33.5#





#3

Pvridine

Concen: 27.45 ng

RT: 2.89 min Scan# 88

Delta R.T. 0.03 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

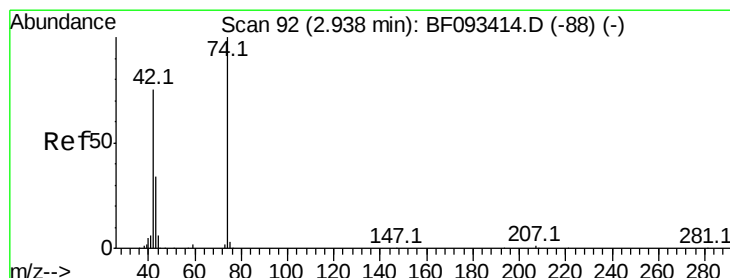
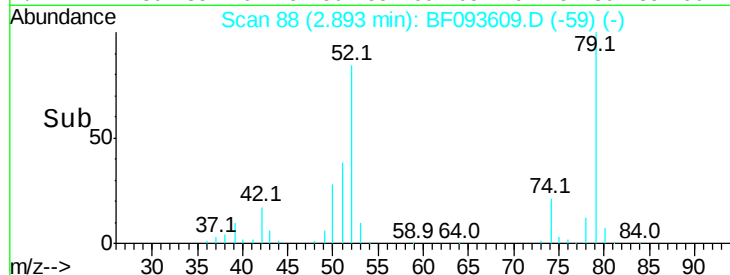
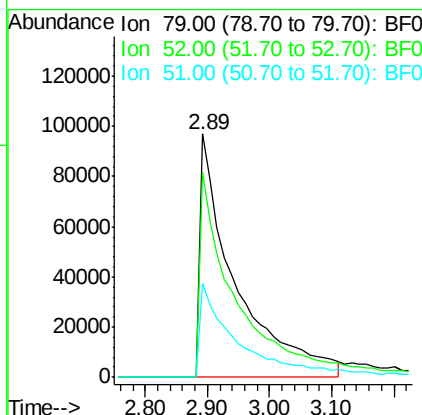
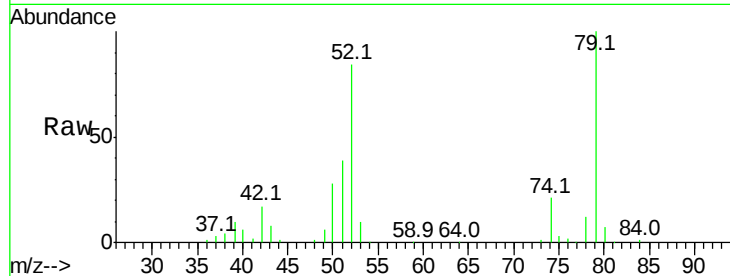
ClientSampleId :

PB97540BS

Tot Ion:	79	Resp:	380649
Ion	Ratio	Lower	Upper
79	100		
52	84.3	57.1	85.7
51	38.8	27.3	40.9

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 39.25 ng

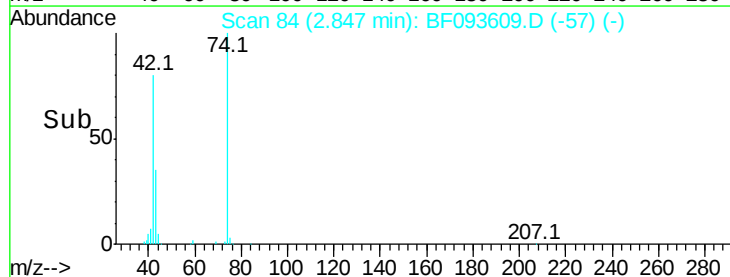
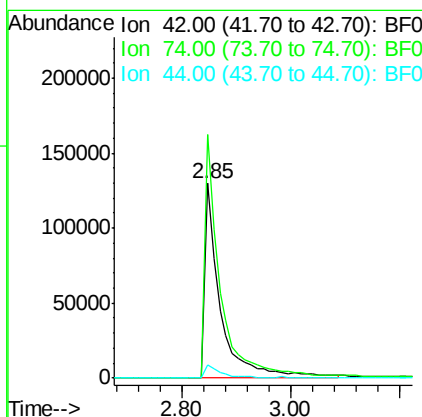
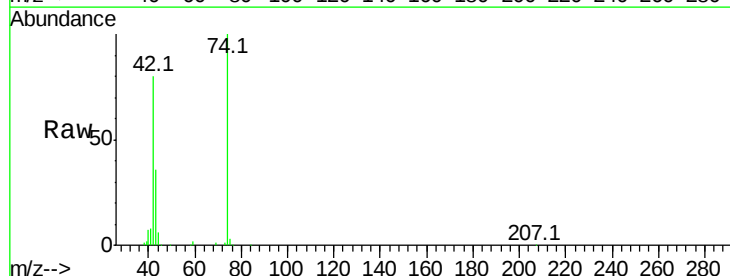
RT: 2.85 min Scan# 84

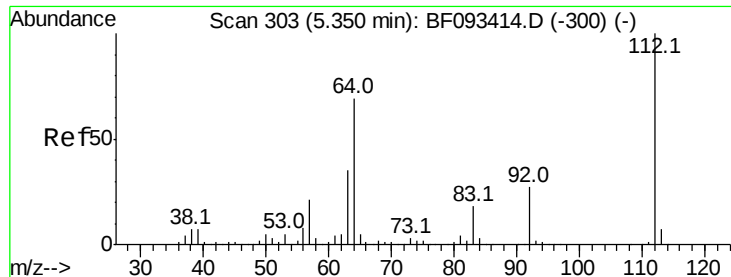
Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	42	Resp:	259942
Ion	Ratio	Lower	Upper
42	100		
74	125.2	117.0	175.4
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 127.73 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

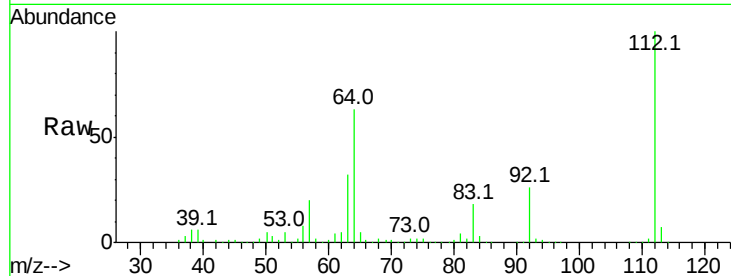
ClientSampleId :

PB97540BS

Tot Ion:	112	Resp:	1261017
Ion Ratio	Lower	Upper	
112	100		
64	63.2	46.1	69.1
63	32.0	23.8	35.6

Manual Integrations
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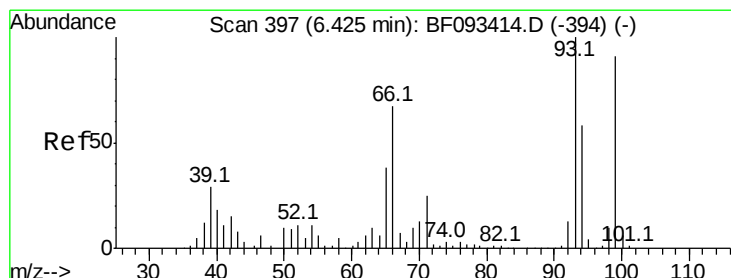
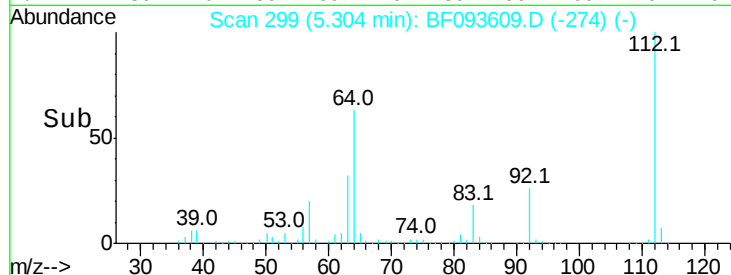
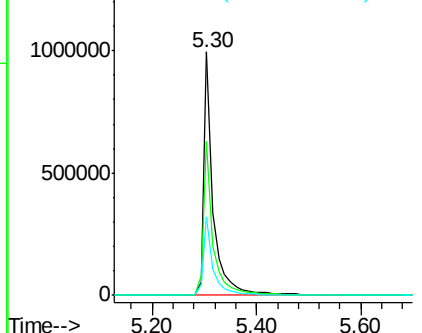
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.59 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF093609.D

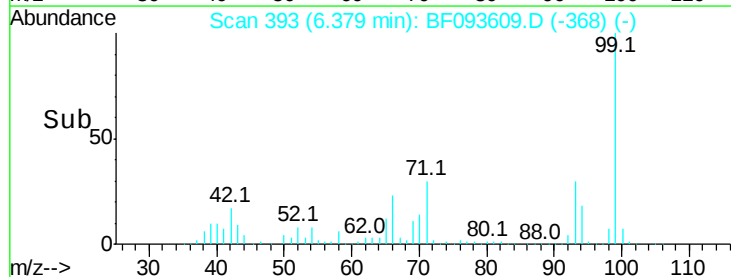
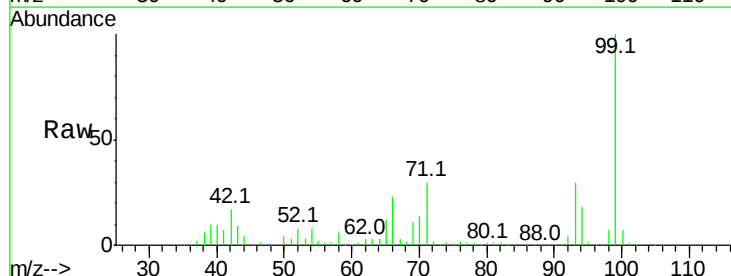
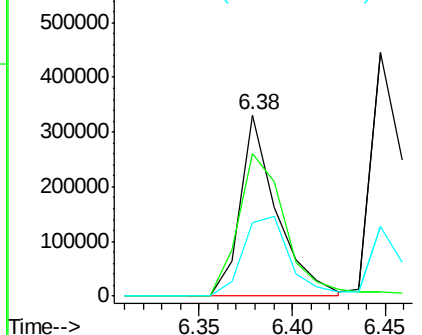
Acq: 13 Mar 2017 16:07

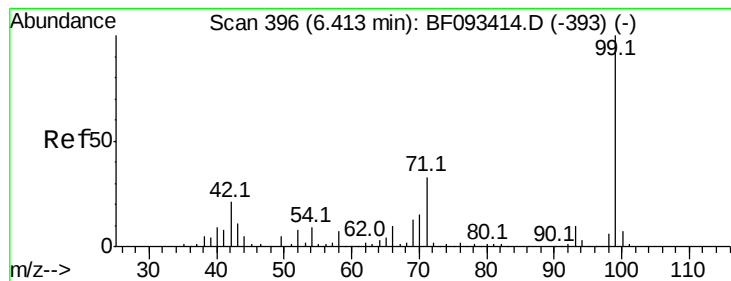
Tgt Ion:	93	Resp:	454370
Ion Ratio	Lower	Upper	
93	100		
66	78.9	76.2	114.2
65	40.6	49.3	73.9#

Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.45 ng

RT: 6.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampleId :

PB97540BS

Tot Ion: 99 Resp: 1574300

Ion Ratio Lower Upper

99 100

42 17.1 15.6 23.4

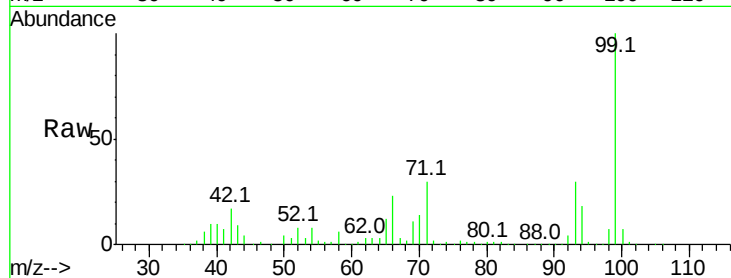
71 30.2 27.5 41.3

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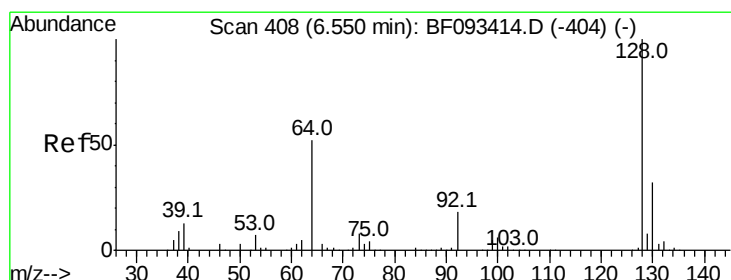
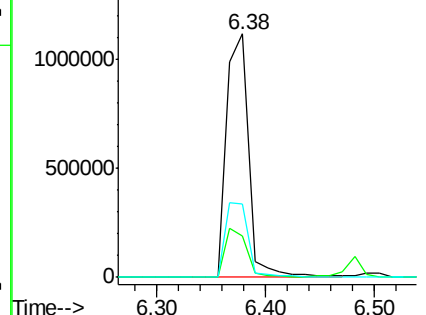
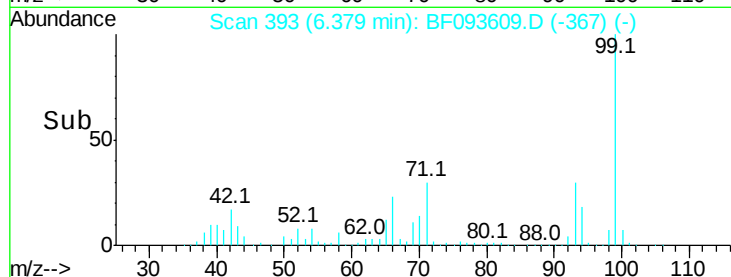
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.24 ng

RT: 6.50 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

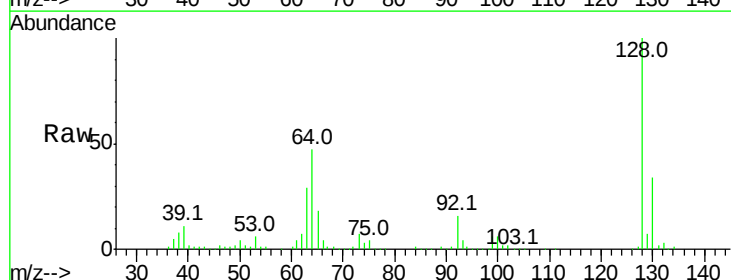
Tgt Ion: 128 Resp: 456242

Ion Ratio Lower Upper

128 100

130 33.8 12.3 52.3

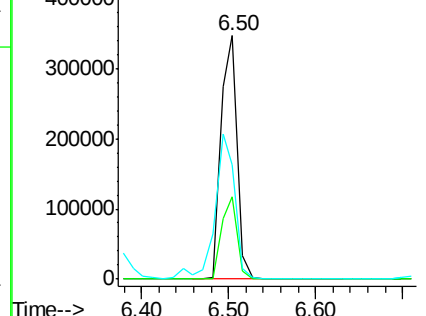
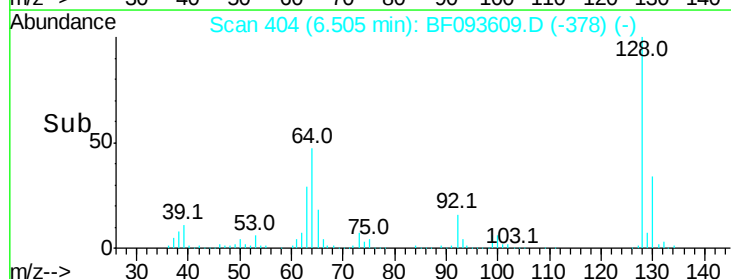
64 46.9 32.2 72.2

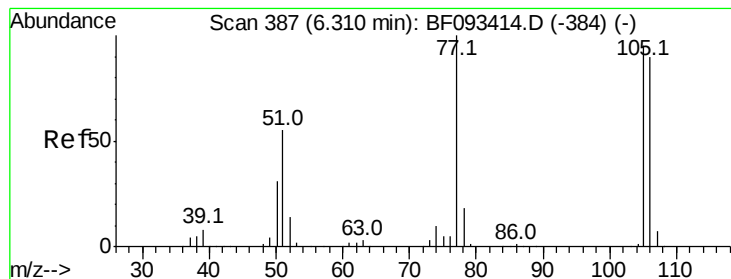


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.50 ng

RT: 6.29 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampleId :

PB97540BS

Tot Ion: 77 Resp: 40263

Ion Ratio Lower Upper

77 100

105 98.5 83.9 123.9

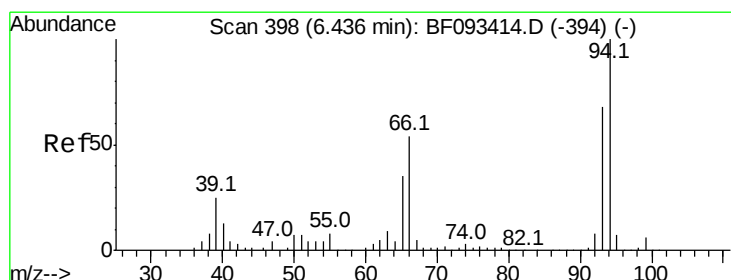
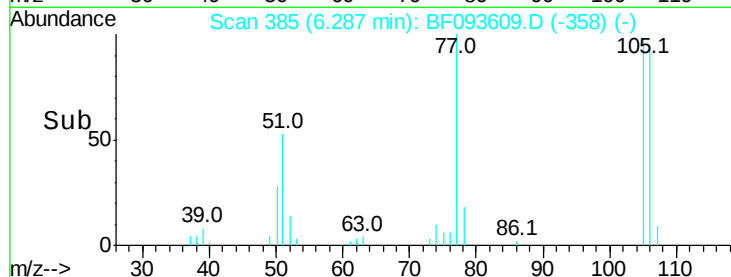
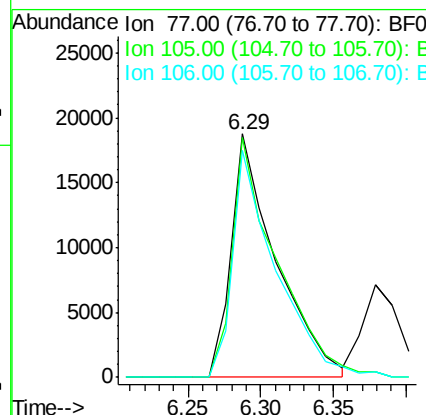
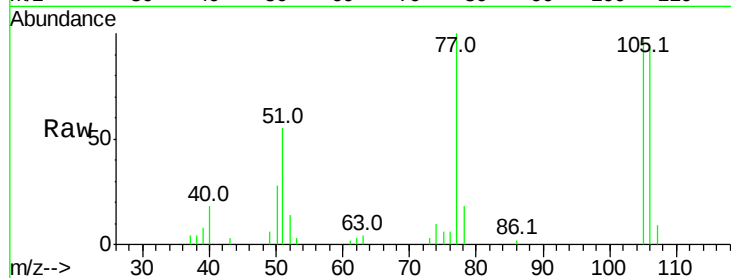
106 93.3 77.6 117.6

Manual Integrations

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#10

Phenol

Concen: 40.80 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

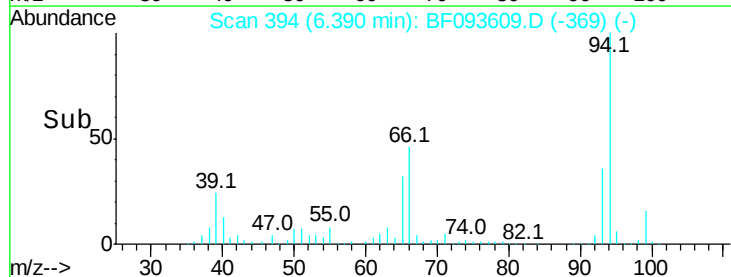
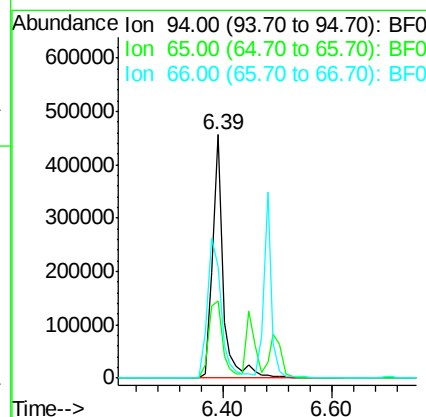
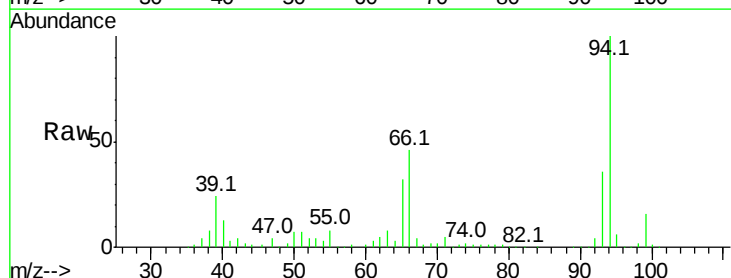
Tgt Ion: 94 Resp: 622444

Ion Ratio Lower Upper

94 100

65 32.0 21.4 61.4

66 45.8 44.0 84.0





#11

bis(2-Chloroethyl)ether

Concen: 43.87 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

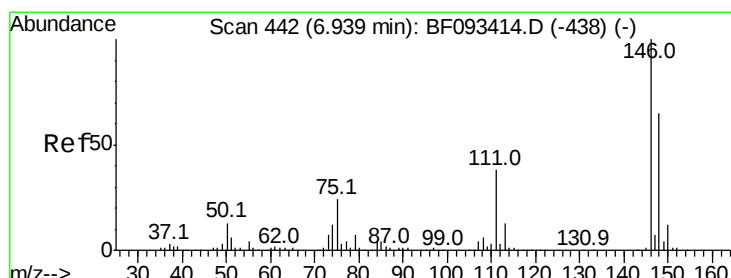
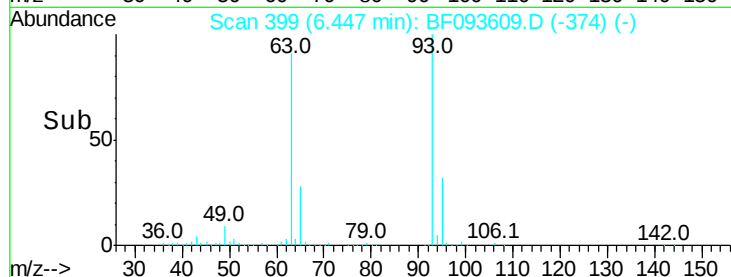
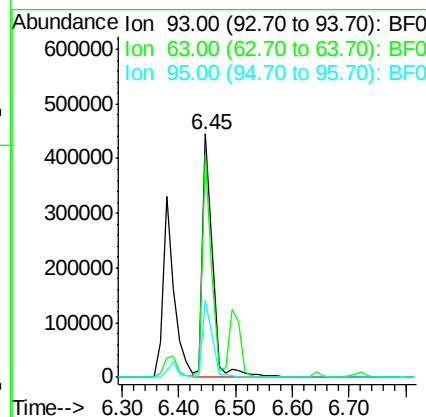
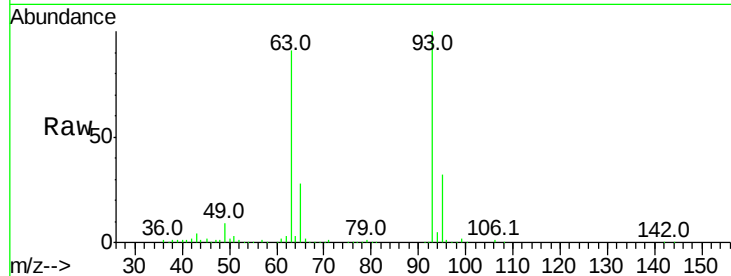
ClientSampleId :

PB97540BS

Tot Ion:	93	Resp:	540959
Ion Ratio	Lower	Upper	
93	100		
63	91.5	60.4	100.4
95	31.9	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 39.64 ng

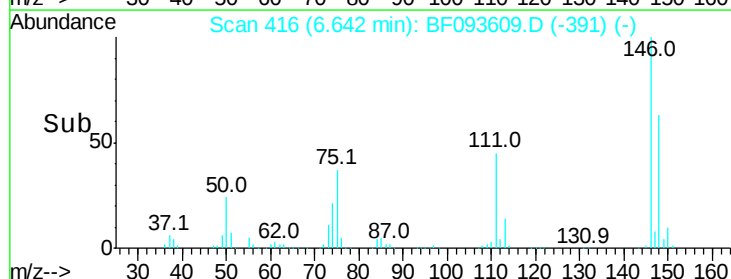
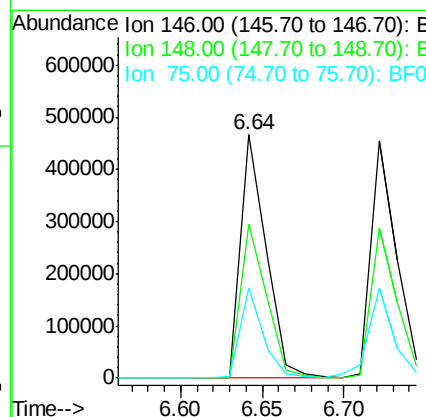
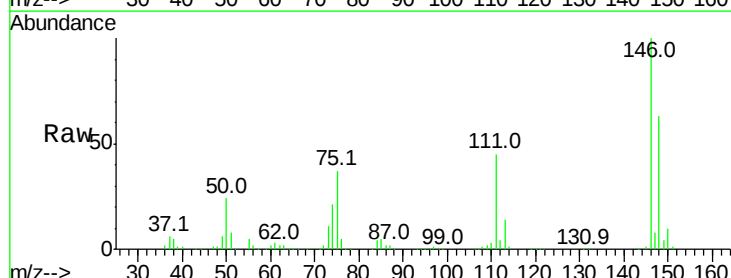
RT: 6.64 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	146	Resp:	501904
Ion Ratio	Lower	Upper	
146	100		
148	63.2	53.4	80.0
75	36.8	18.5	27.7#





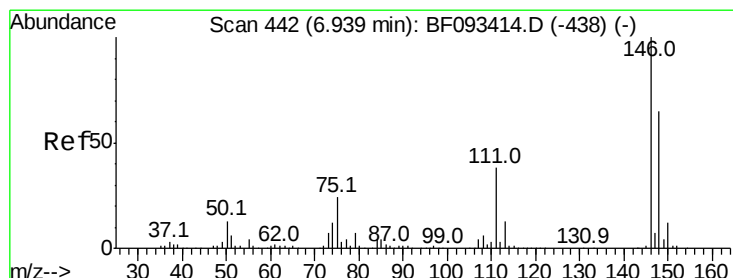
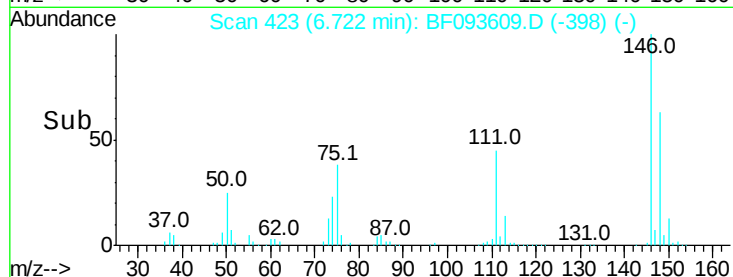
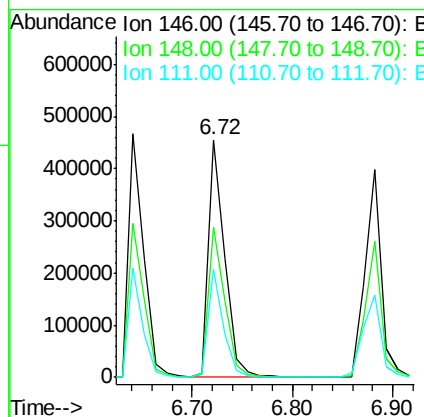
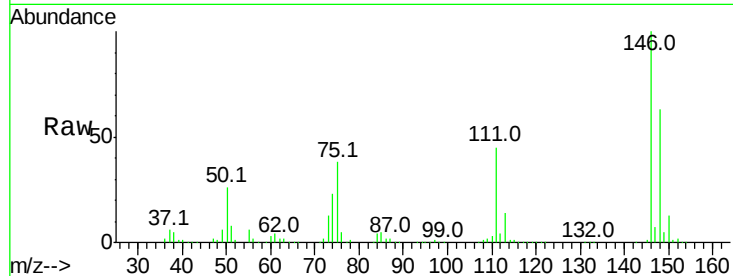
#13
 1,4-Dichlorobenzene
 Concen: 39.57 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
111	45.4	36.2	54.4

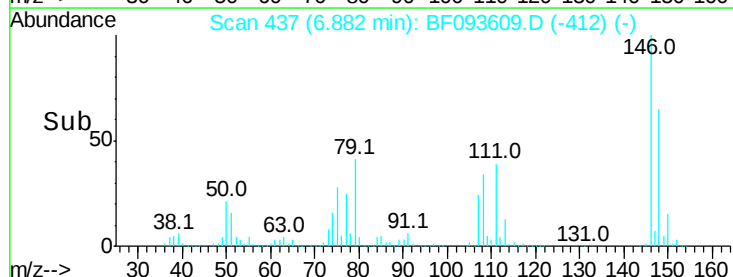
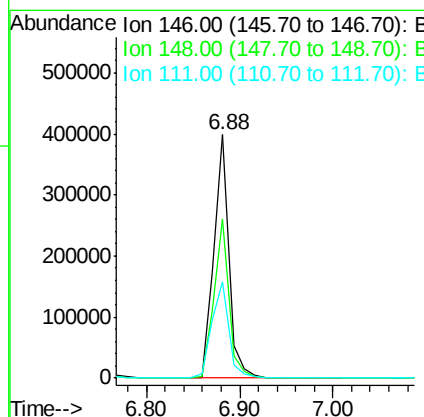
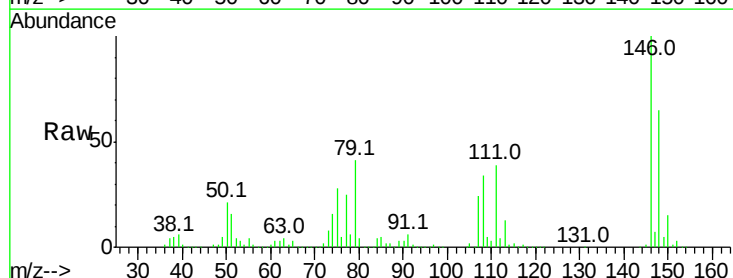
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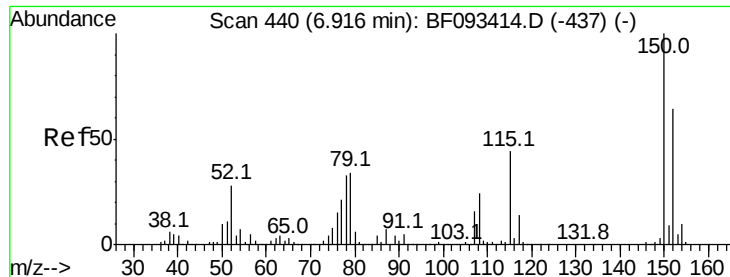
mohammad
 3/15/2017 5:38:01 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.81 ng
 RT: 6.88 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.2	78.2
111	39.5	36.2	54.2





#15

Benzyl Alcohol

Concen: 45.54 ng

RT: 6.87 min Scan# 436

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampled :

PB97540BS

Tot Ion: 79 Resp: 404134

Ion Ratio Lower Upper

79 100

108 69.6 61.4 92.0

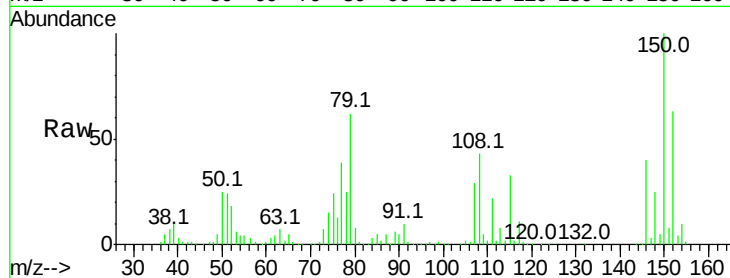
77 63.3 50.9 76.3

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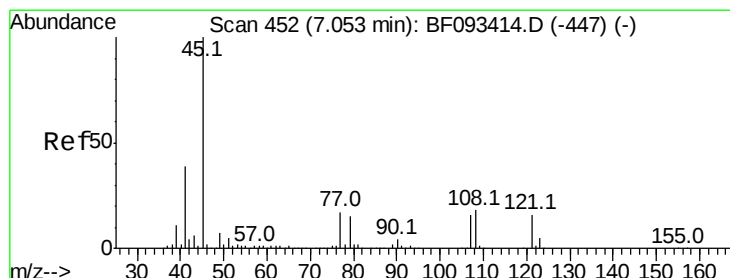
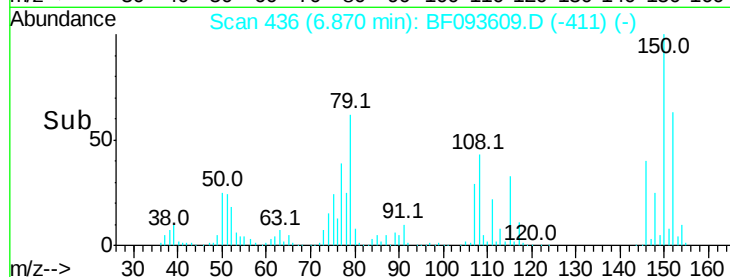
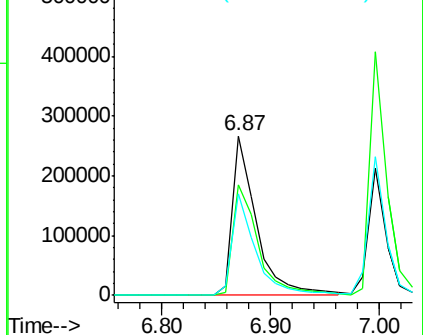
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.00 ng

RT: 7.00 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

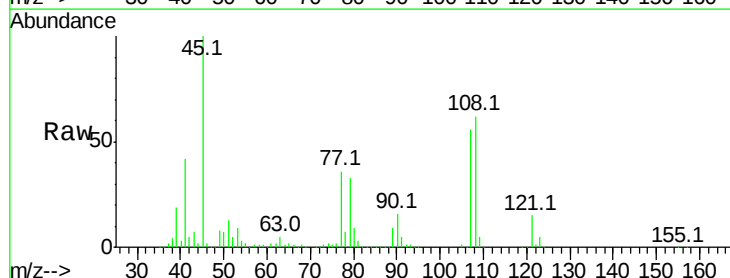
Tgt Ion: 45 Resp: 798804

Ion Ratio Lower Upper

45 100

77 35.7 0.0 34.6#

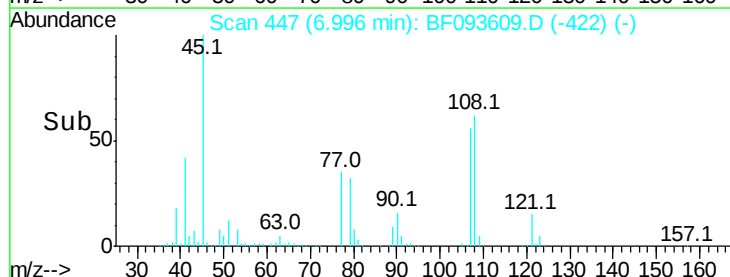
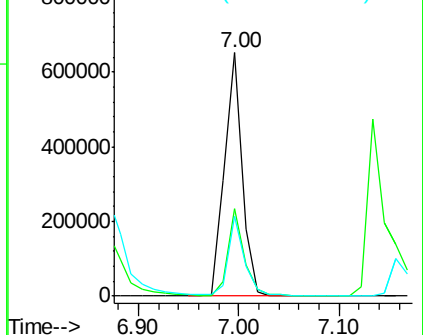
79 32.6 0.0 31.2#

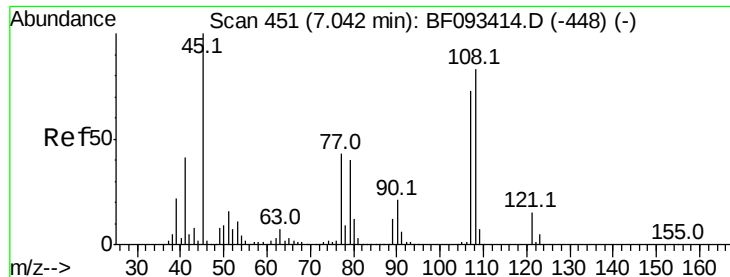


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 41.80 ng

RT: 7.00 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampled :

PB97540BS

Tot Ion:107 Resp: 391118
Ion Ratio Lower Upper

107 100

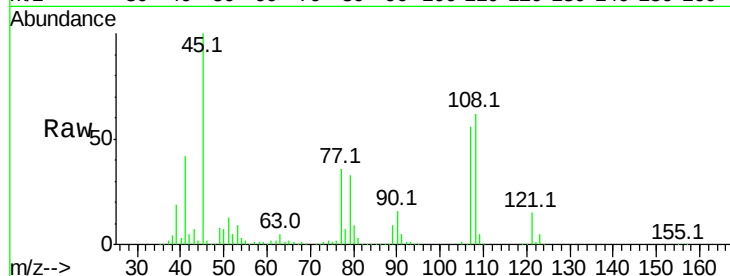
108 111.7 93.0 139.6

77 63.8 39.8 59.8#

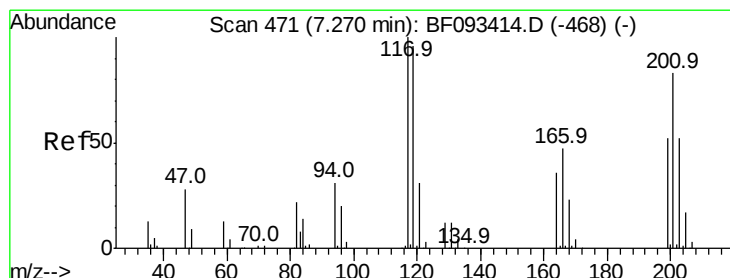
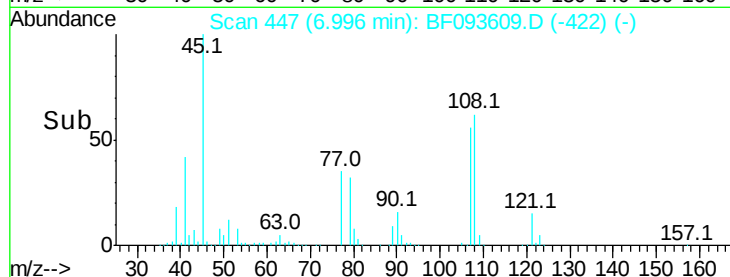
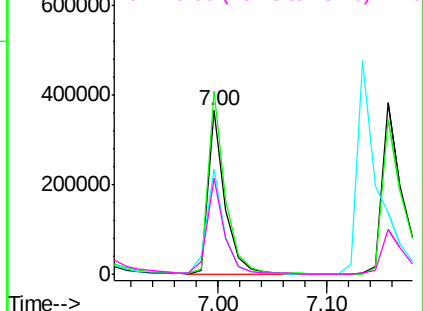
79 58.4 38.0 57.0#

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 39.72 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093609.D

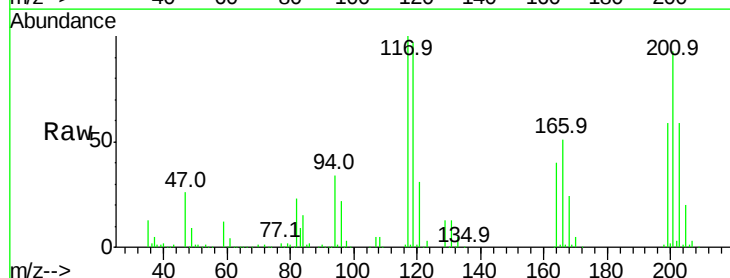
Acq: 13 Mar 2017 16:07

Tgt Ion:117 Resp: 173640
Ion Ratio Lower Upper

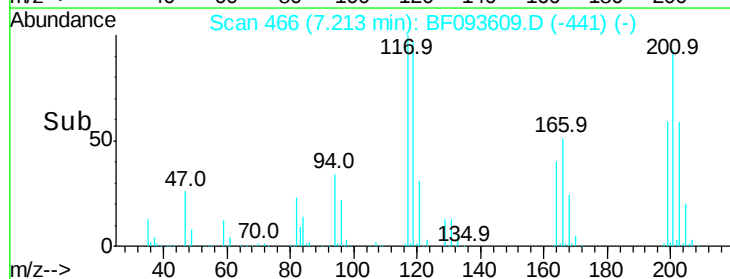
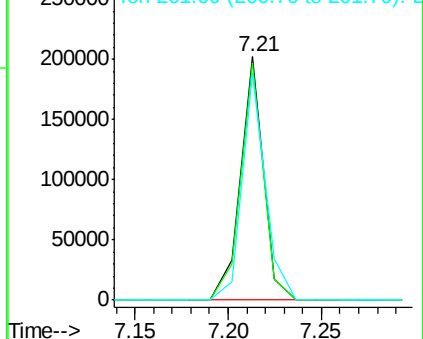
117 100

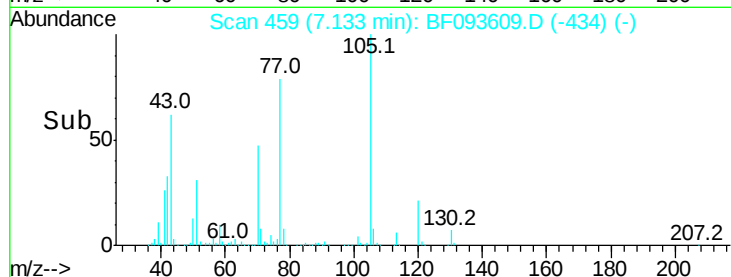
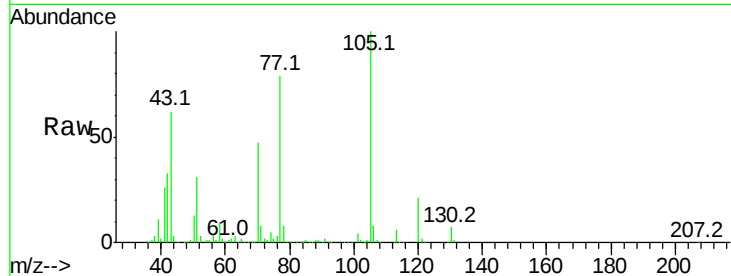
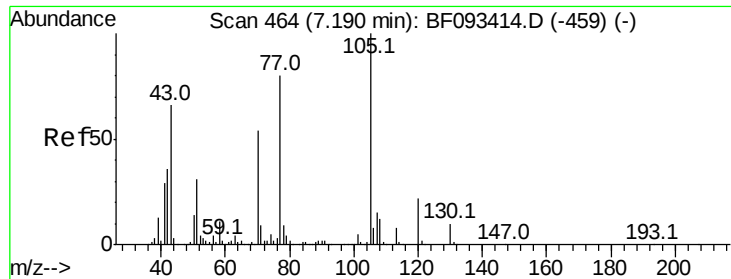
119 97.3 78.1 117.1

201 93.0 78.6 117.8



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





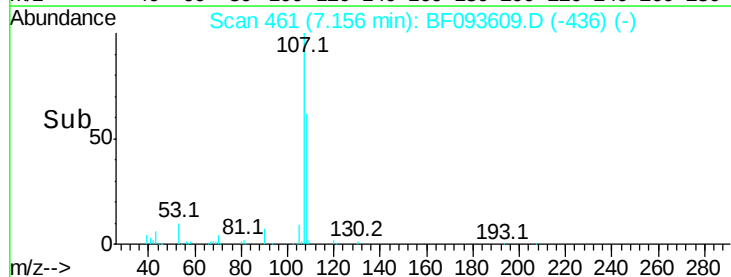
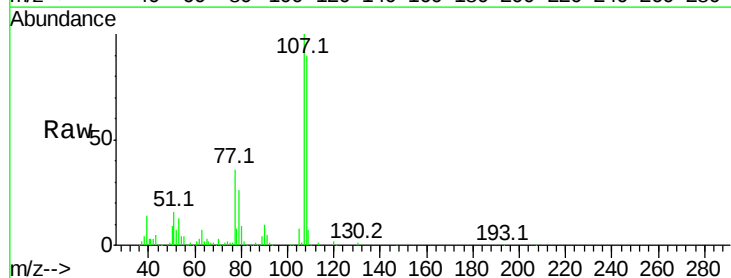
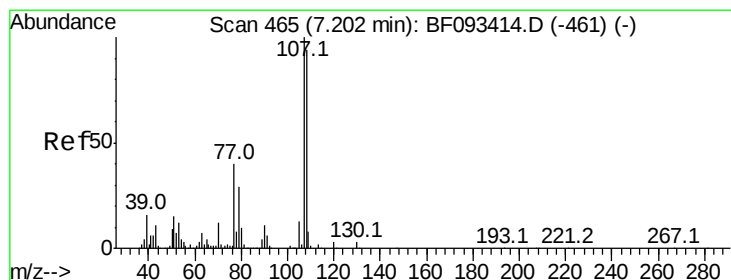
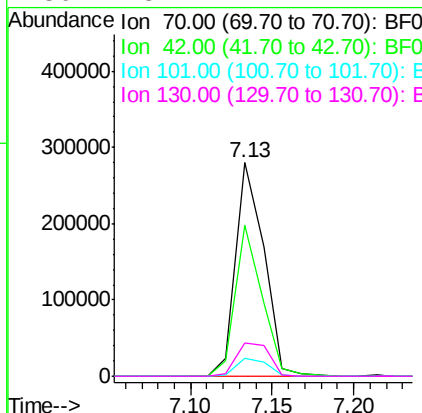
#19
n-Nitroso-di-n-propylamine
Concen: 39.04 ng
RT: 7.13 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	70.8	49.4	74.0
101	8.2	7.4	11.2
130	15.7	14.2	21.4

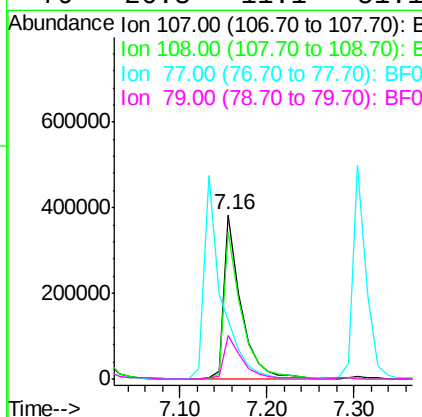
Manual Integrations
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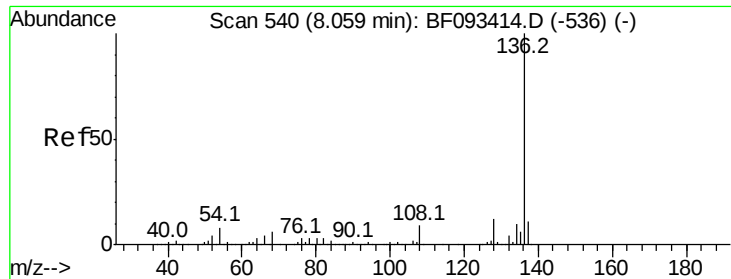
mohammad
3/15/2017 5:38:01 PM



#20
3+4-Methylphenols
Concen: 43.59 ng
RT: 7.16 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.9	73.0	113.0
77	36.0	71.3	111.3#
79	26.3	11.1	51.1





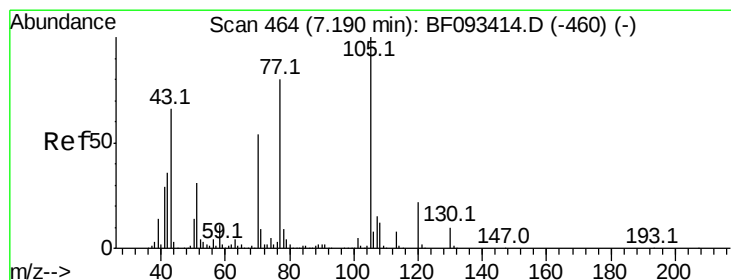
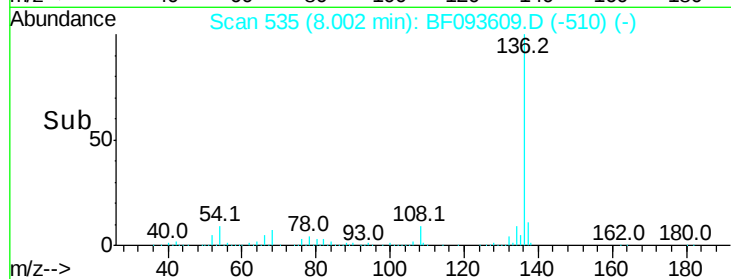
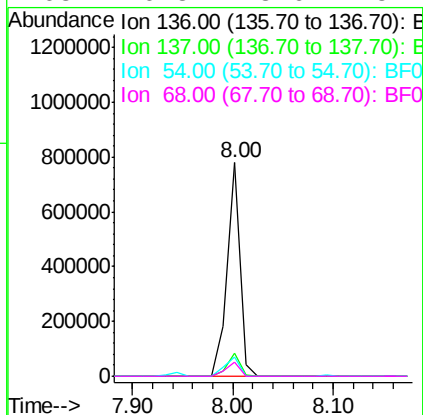
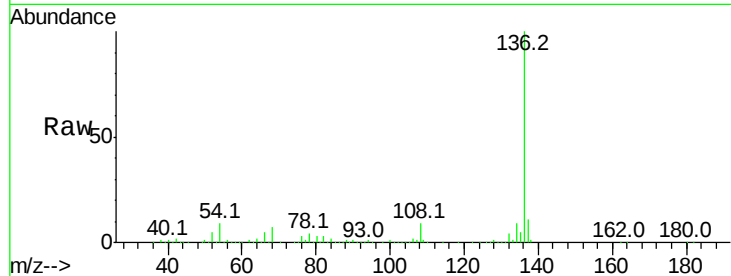
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	691794		
137	10.8	8.4	12.6	
54	9.3	4.5	6.7#	
68	6.8	3.6	5.4#	

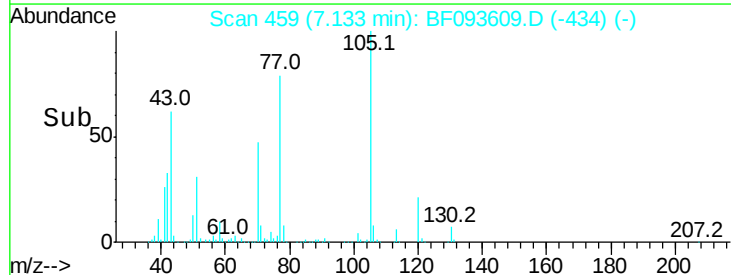
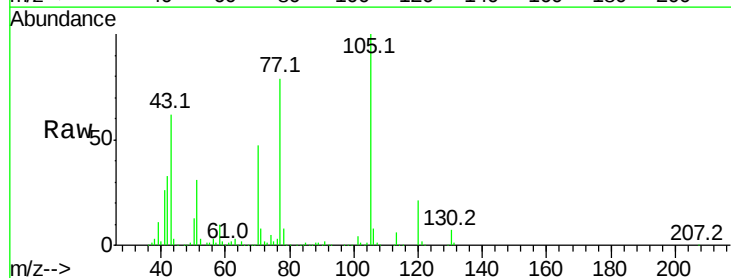
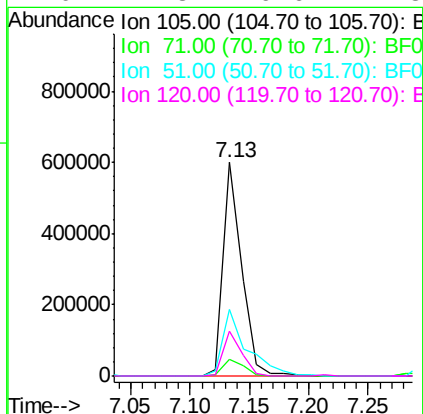
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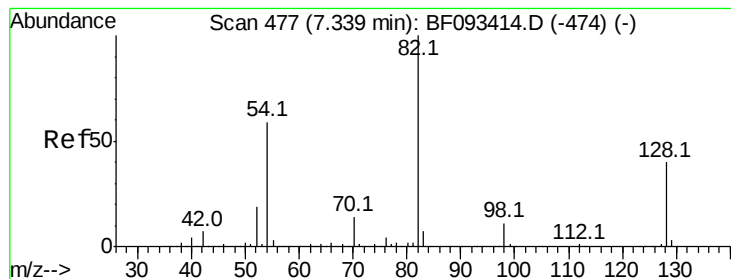
mohammad
3/15/2017 5:38:01 PM



#22
Acetophenone
Concen: 38.47 ng
RT: 7.13 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	640445		
71	8.0	3.2	4.8#	
51	31.2	26.2	39.4	
120	21.3	16.6	24.8	





#23

Nitrobenzene-d5

Concen: 81.31 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampled :

PB97540BS

Tot Ion: 82 Resp: 1013856

Ion Ratio Lower Upper

82 100

128 46.7 34.6 52.0

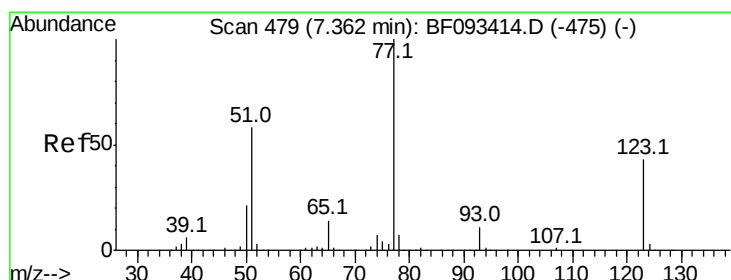
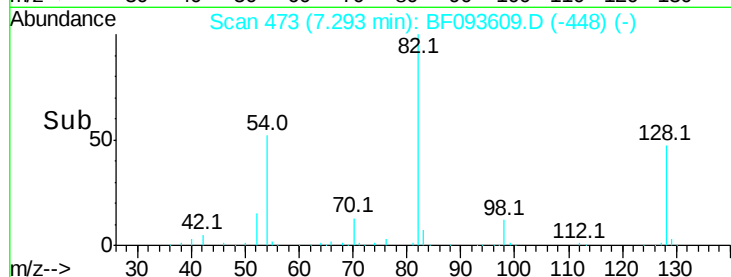
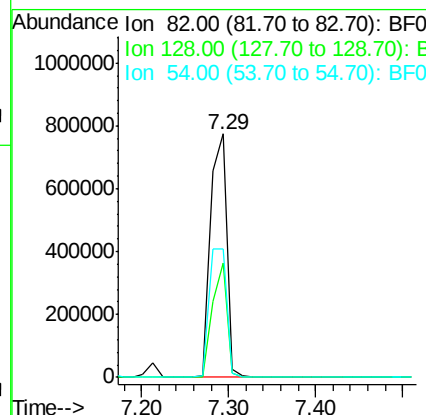
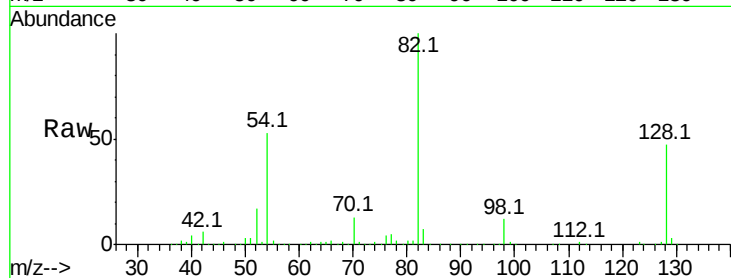
54 52.6 39.5 59.3

Manual Integrations

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#24

Nitrobenzene

Concen: 37.66 ng

RT: 7.30 min Scan# 474

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

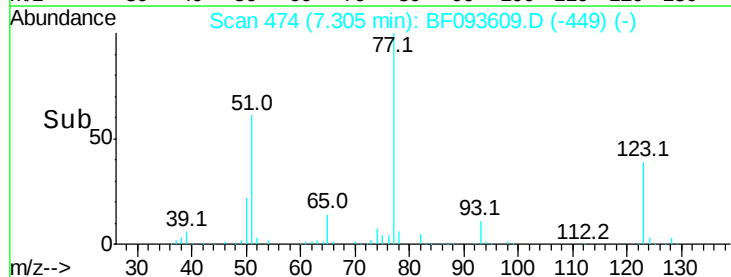
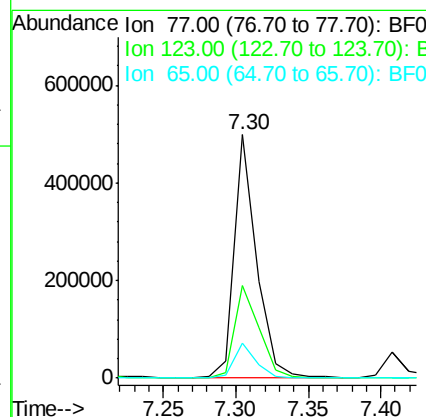
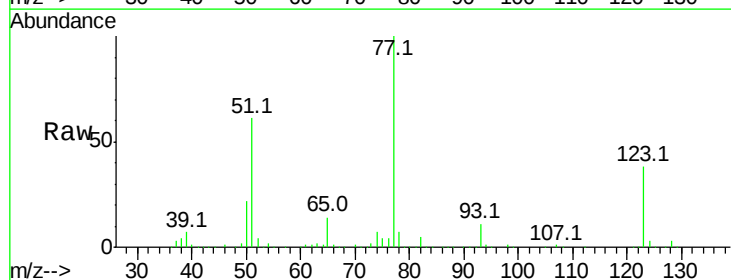
Tgt Ion: 77 Resp: 527695

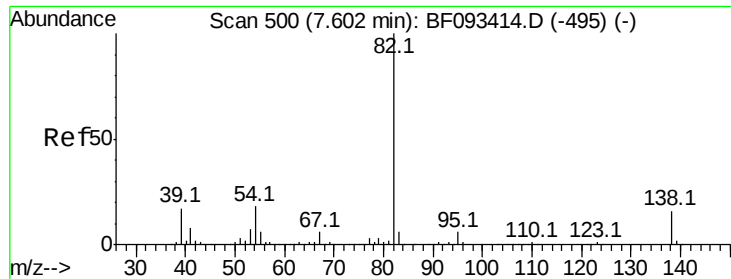
Ion Ratio Lower Upper

77 100

123 38.3 33.0 49.4

65 14.2 11.2 16.8





#25

Isophorone

Concen: 38.38 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

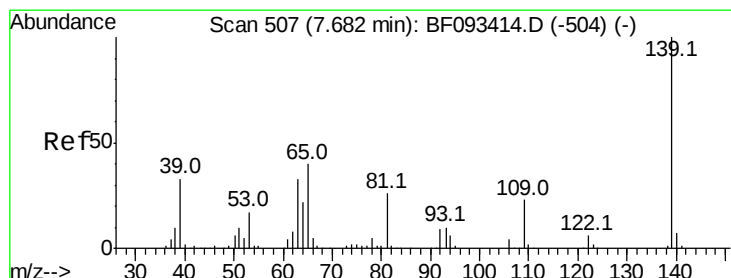
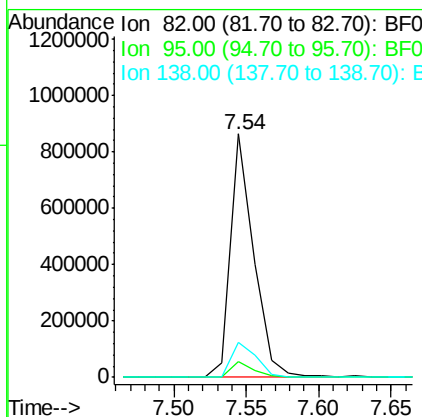
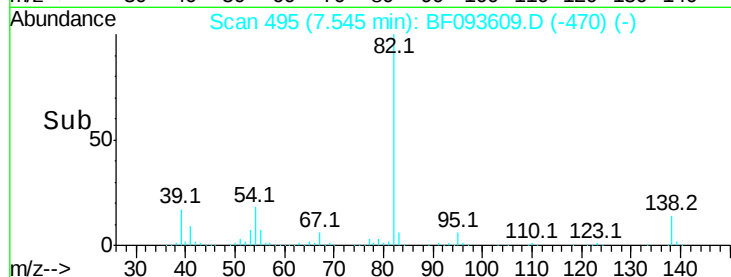
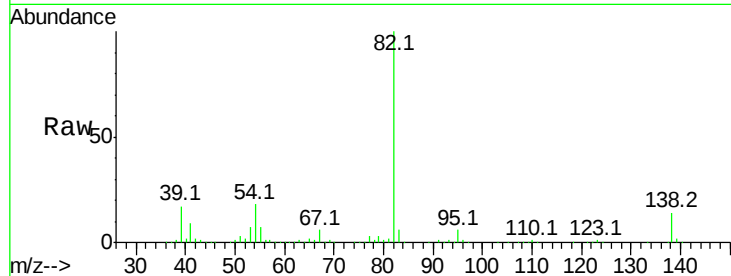
ClientSampleId :

PB97540BS

Tot Ion:	82	Resp:	964951
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.6	8.4
138	14.4	14.6	22.0#

Manual Integrations
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#26

2-Nitrophenol

Concen: 41.44 ng

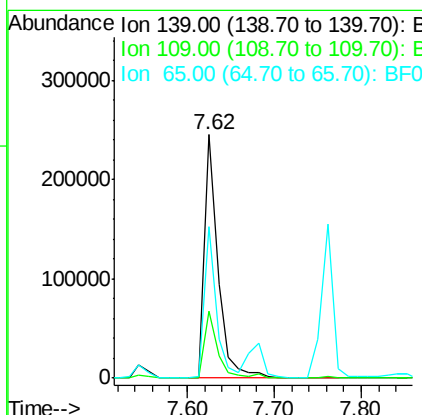
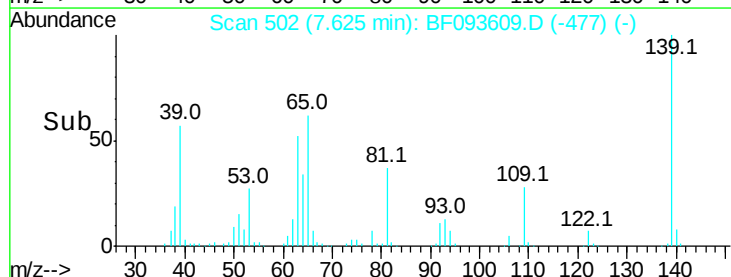
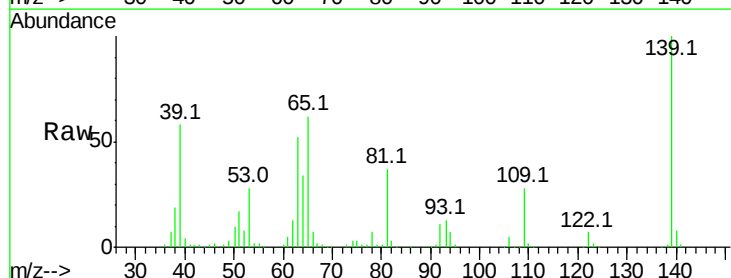
RT: 7.62 min Scan# 502

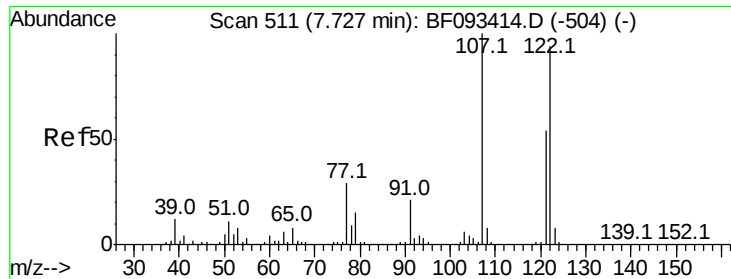
Delta R.T. -0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	139	Resp:	264955
Ion Ratio	Lower	Upper	
139	100		
109	27.5	23.3	34.9
65	62.3	42.7	64.1





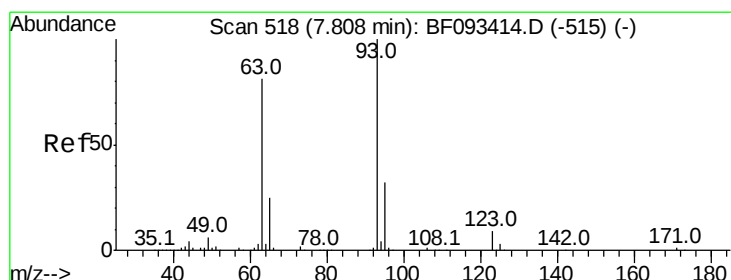
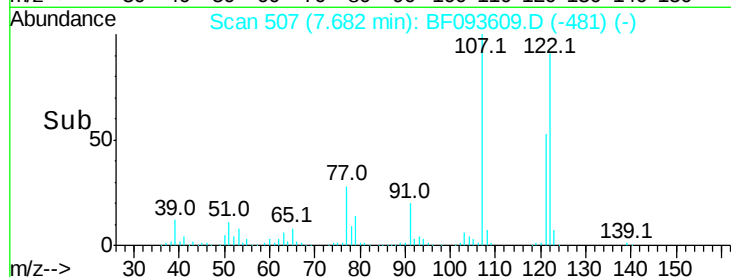
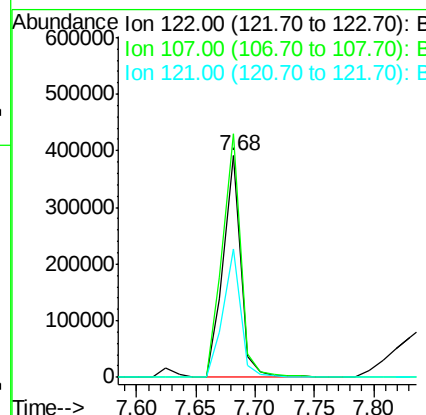
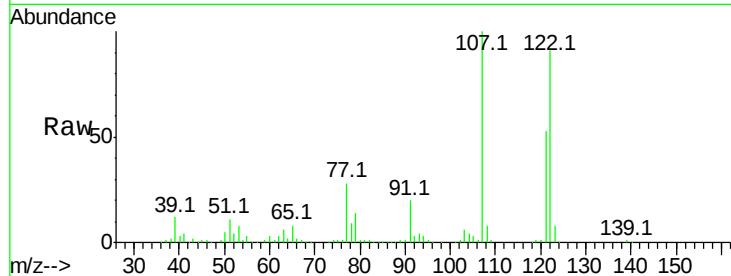
#27
2,4-Dimethylphenol
Concen: 38.43 ng
RT: 7.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	399656		
107	109.8	94.1	141.1	
121	57.8	46.0	69.0	

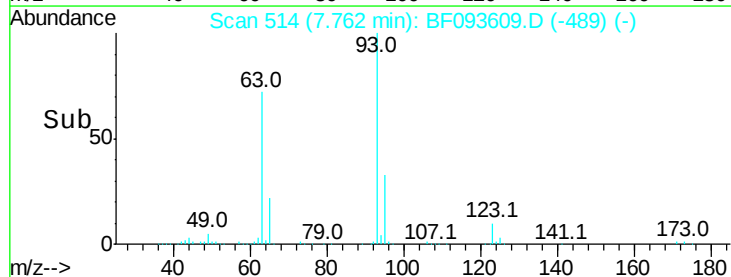
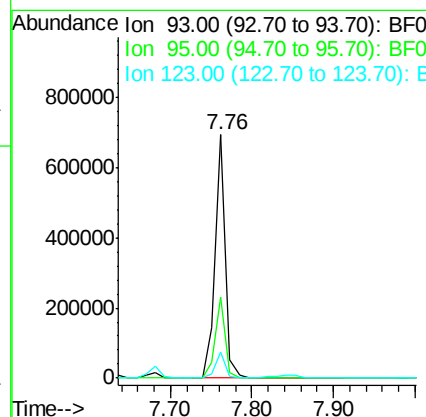
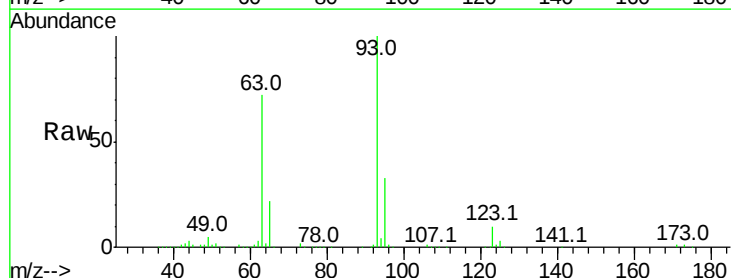
Manual Integrations
APPROVED

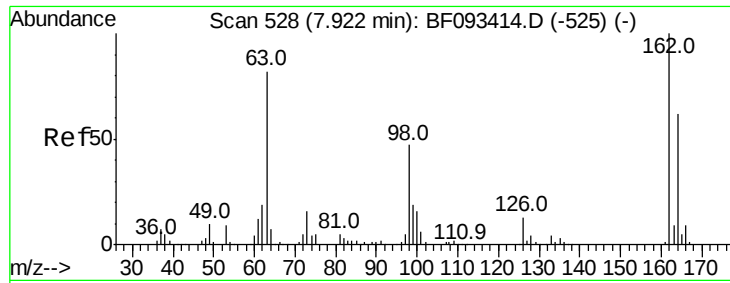
mohammad
3/15/2017 5:38:01 PM



#28
bis(2-Chloroethoxy)methane
Concen: 39.30 ng
RT: 7.76 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	623761		
95	33.0	26.5	39.7	
123	10.5	8.6	13.0	





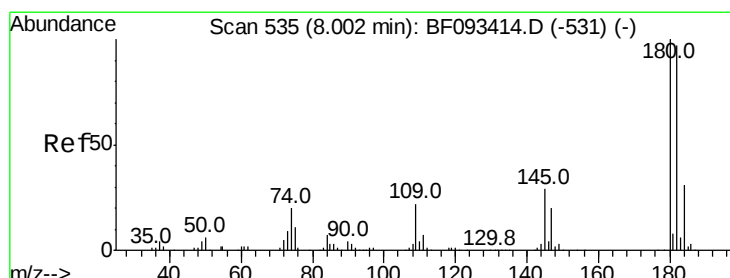
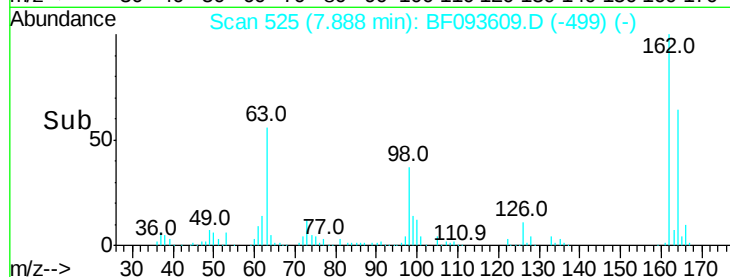
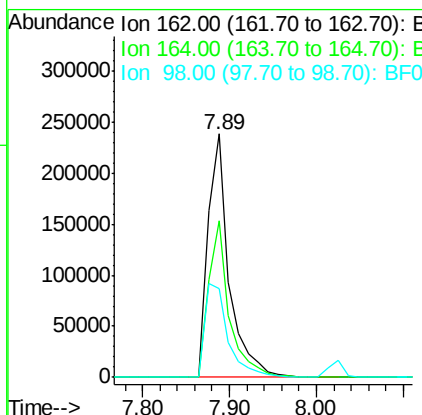
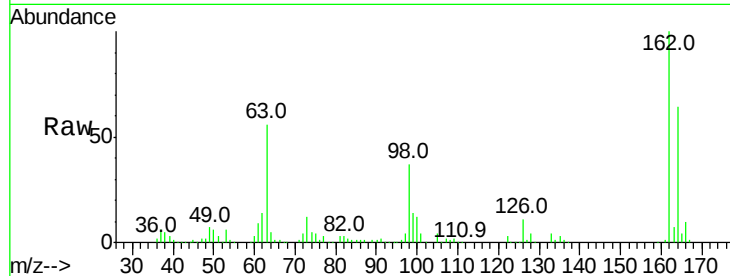
#29
 2,4-Dichlorophenol
 Concen: 41.36 ng
 RT: 7.89 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	404706		
164	64.2	46.8	86.8	
98	36.6	9.1	49.1	

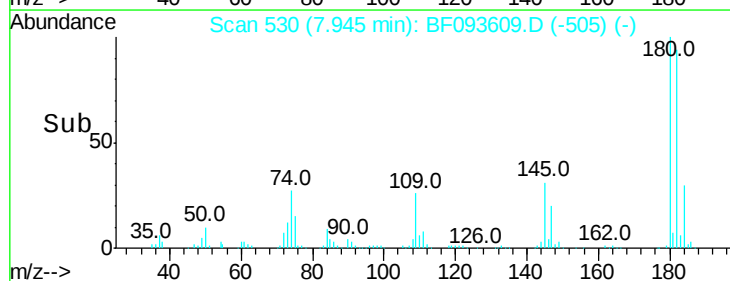
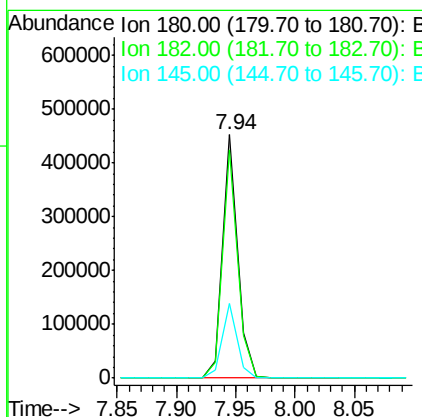
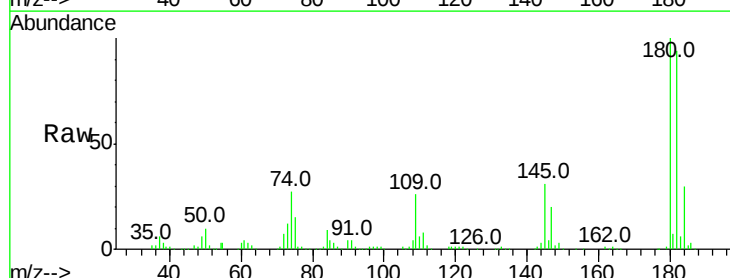
Manual Integrations
 APPROVED

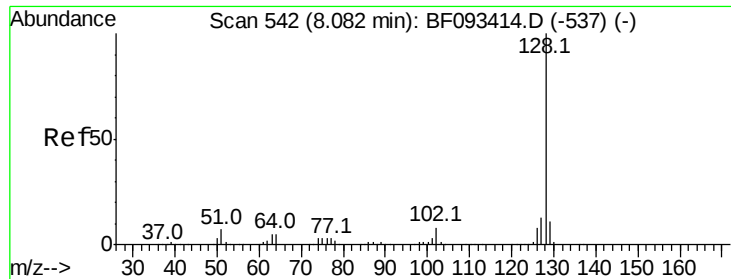
mohammad
 3/15/2017 5:38:01 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 37.81 ng
 RT: 7.94 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	393433		
182	93.5	78.2	117.4	
145	30.9	21.6	32.4	





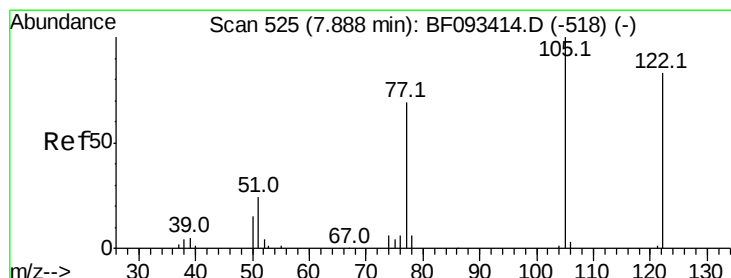
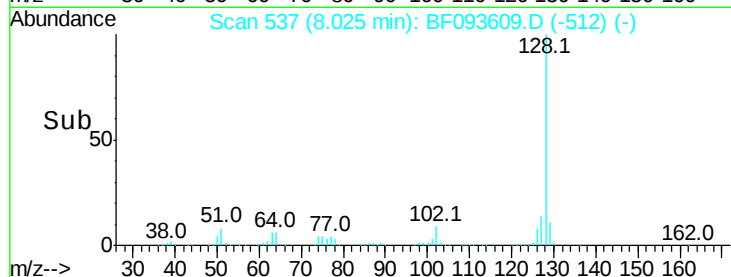
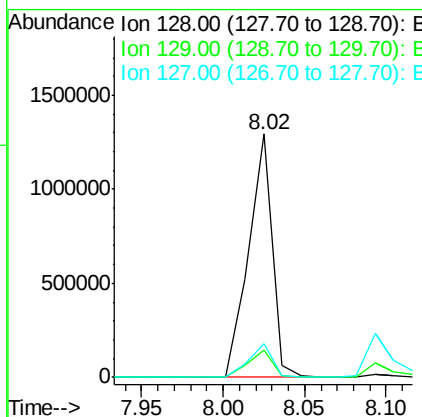
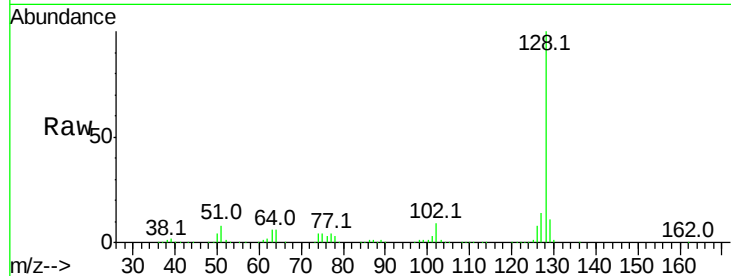
#31
Naphthalene
Concen: 37.55 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion:128 Resp: 1301839
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.6 10.8 16.2

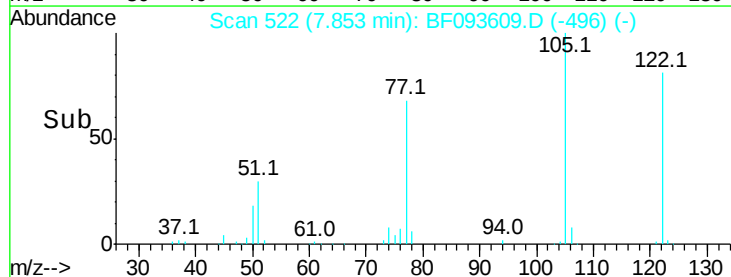
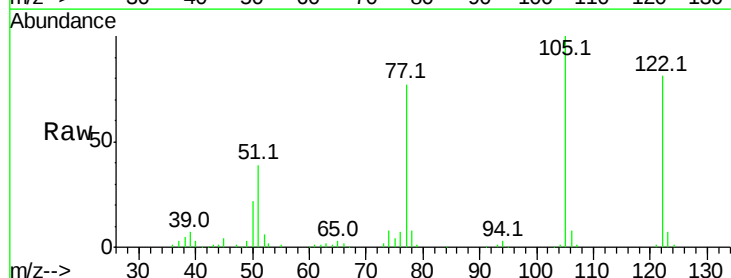
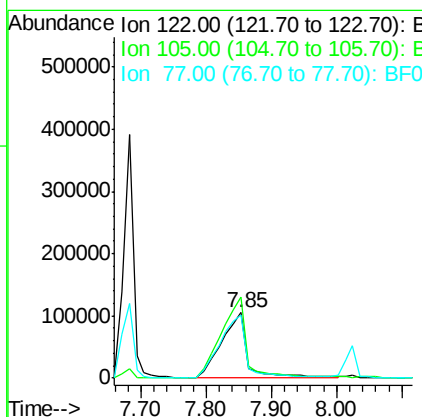
Manual Integrations
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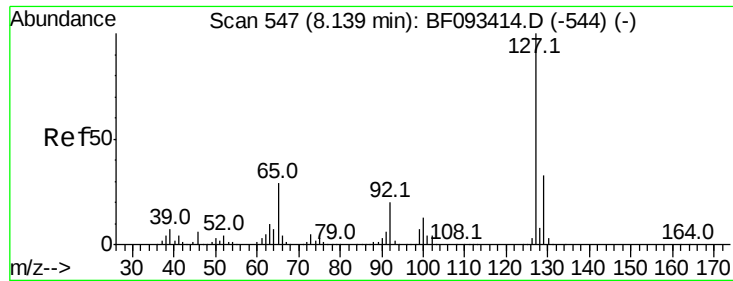
mohammad
3/15/2017 5:38:01 PM



#32
Benzoic acid
Concen: 52.43 ng
RT: 7.85 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion:122 Resp: 283362
Ion Ratio Lower Upper
122 100
105 123.9 107.2 147.2
77 96.0 74.5 114.5





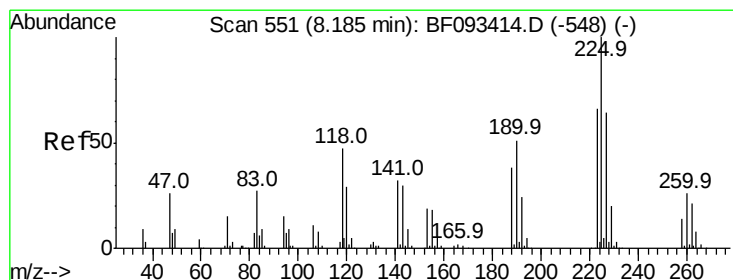
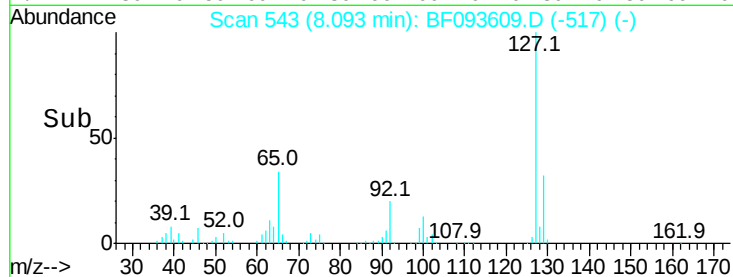
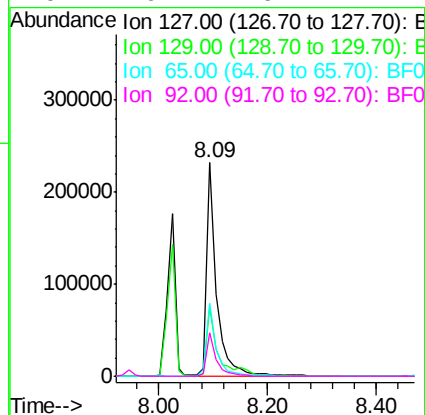
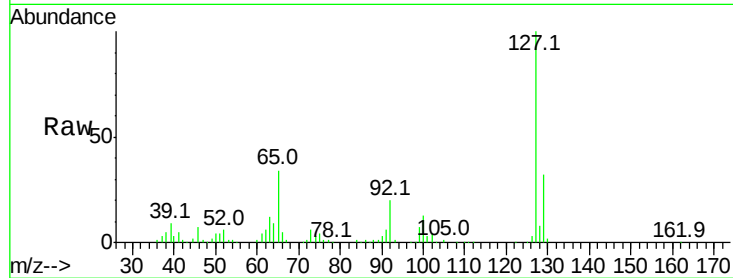
#33
4-Chloroaniline
Concen: 20.75 ng
RT: 8.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.3	39.5	
65	34.3	25.8	38.8	
92	20.4	16.1	24.1	

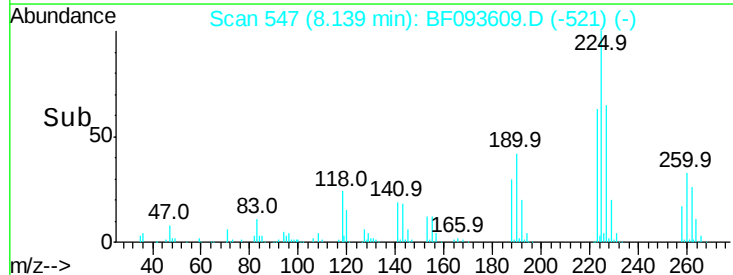
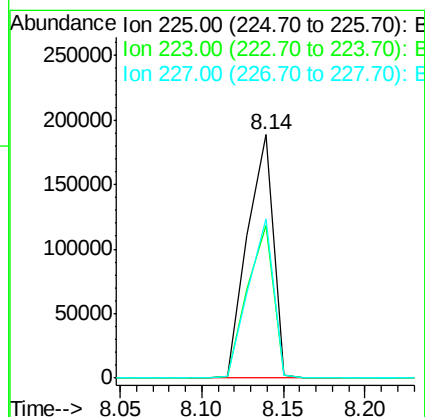
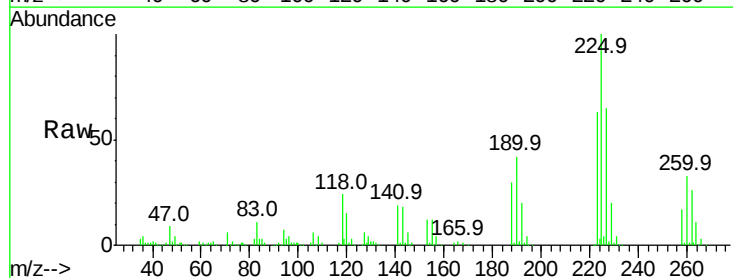
Manual Integrations
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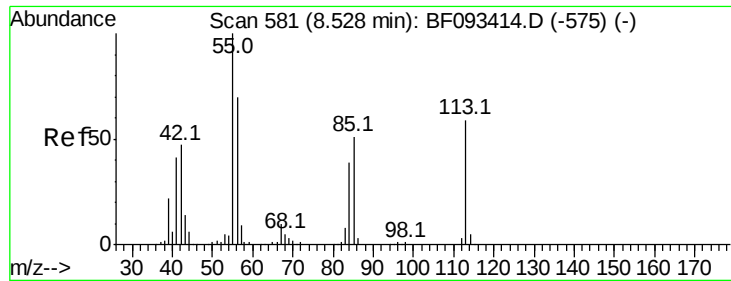
mohammad
3/15/2017 5:38:01 PM



#34
Hexachlorobutadiene
Concen: 38.82 ng
RT: 8.14 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	51.0	76.6	
227	65.2	50.6	76.0	





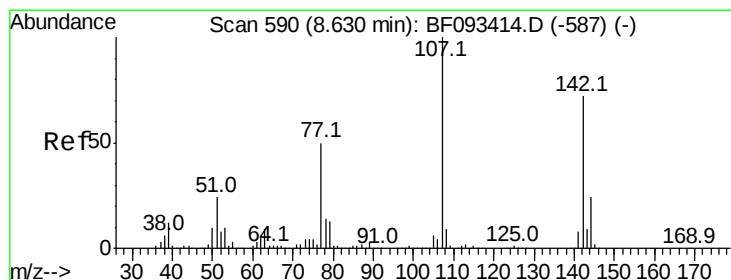
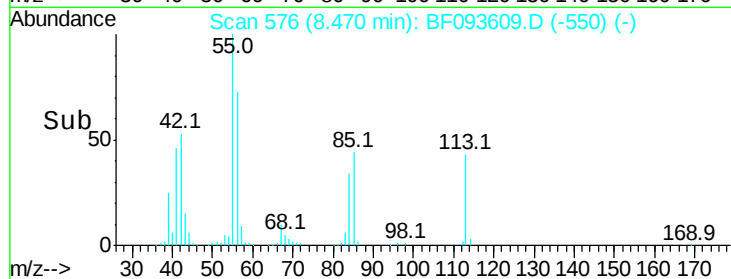
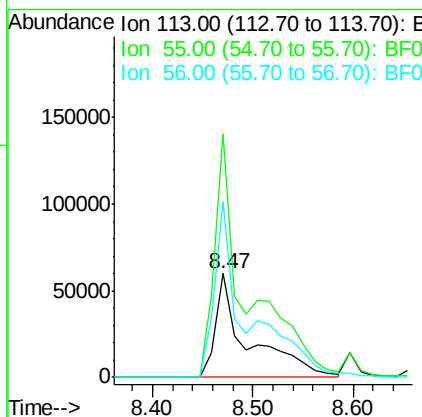
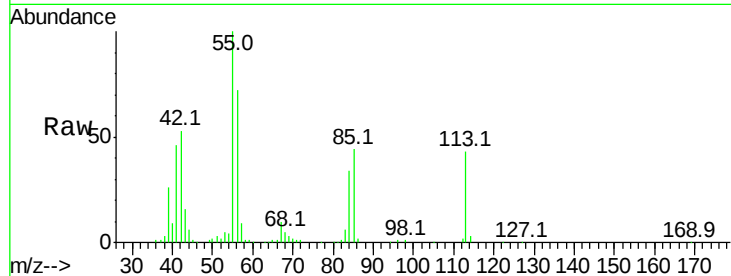
#35
 Caprolactam
 Concen: 40.10 ng
 RT: 8.47 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampled :
 PB97540BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	234.5	119.2	159.2#
56	169.6	83.8	123.8#

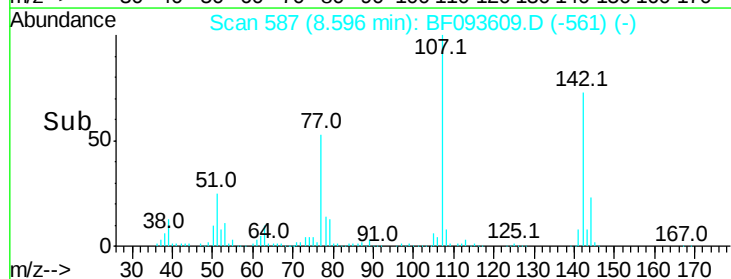
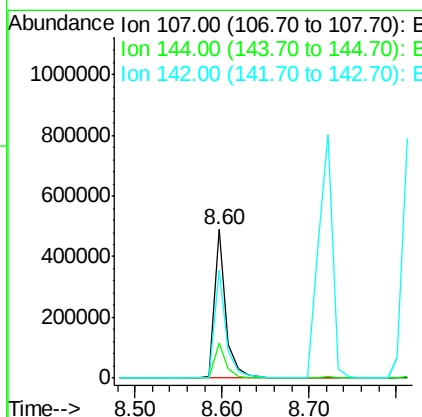
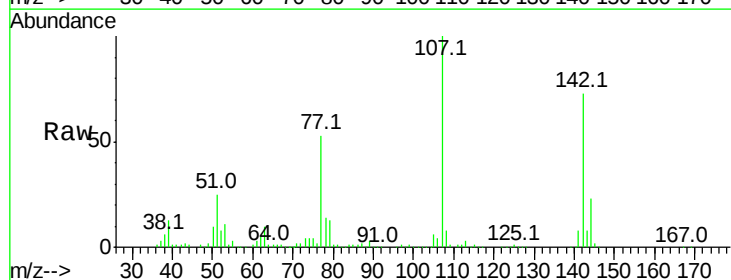
Manual Integrations
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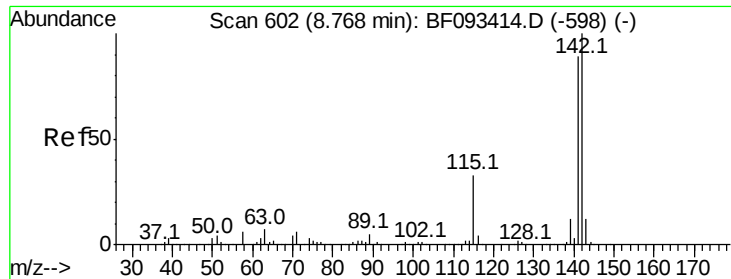
mohammad
 3/15/2017 5:38:01 PM



#36
 4-Chloro-3-methylphenol
 Concen: 43.73 ng
 RT: 8.60 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.2	19.3	28.9
142	72.7	59.0	88.6





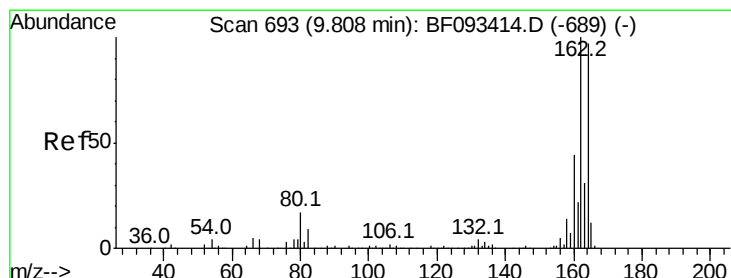
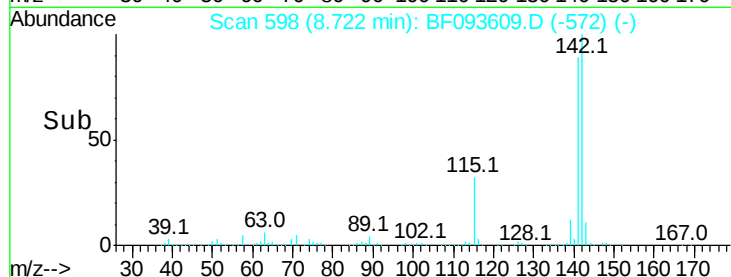
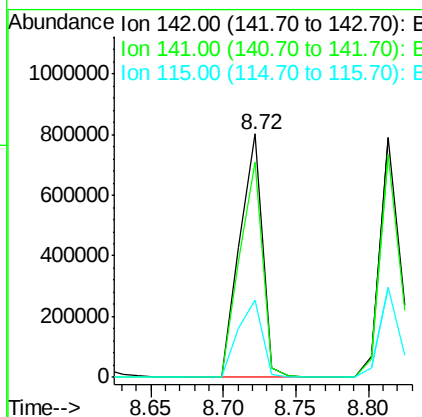
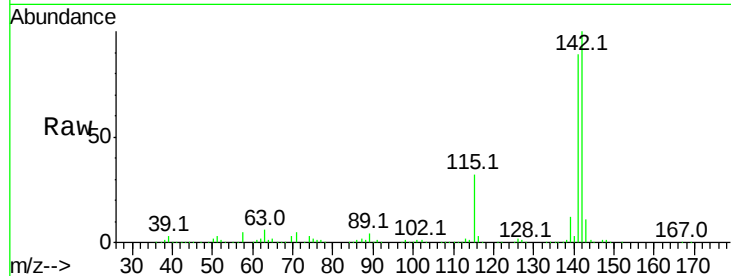
#37
2-Methylnaphthalene
Concen: 39.63 ng
RT: 8.72 min Scan# 598
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	31.9	28.3	42.5

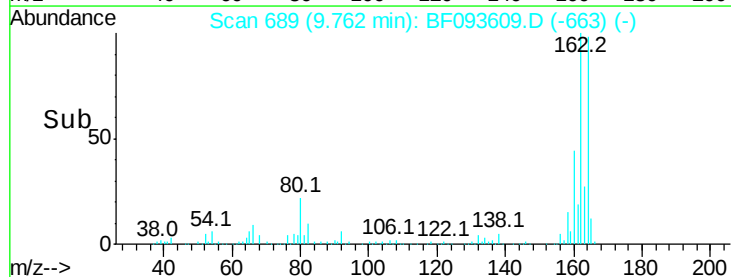
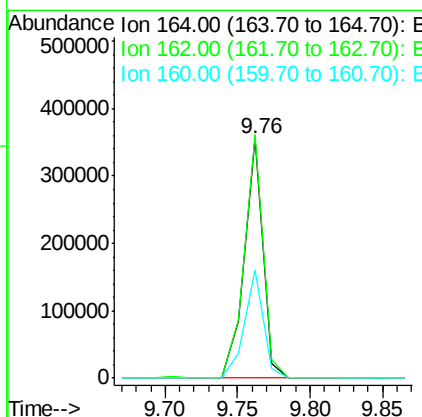
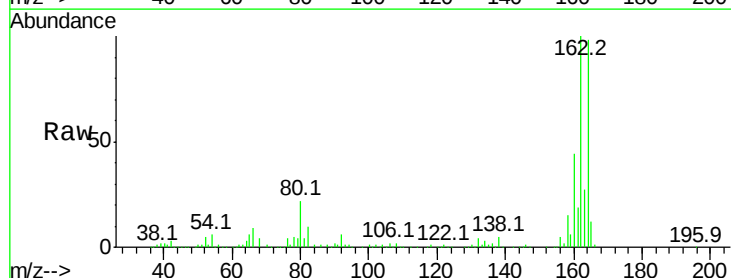
Manual Integrations
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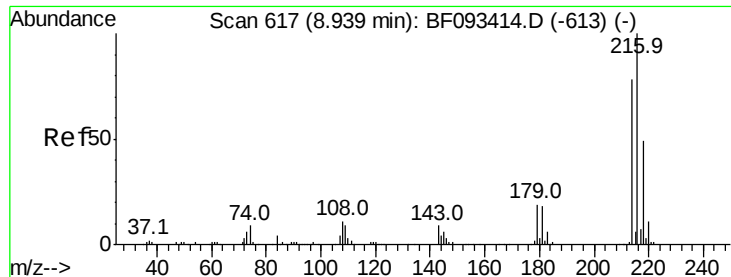
mohammad
3/15/2017 5:38:01 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.2	120.2
160	44.8	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.37 ng

RT: 8.89 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

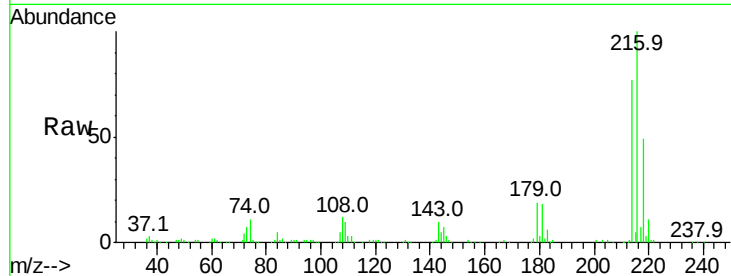
ClientSampleId :

PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	366714		
214	78.5	63.4	95.0	
179	22.3	17.4	26.2	
108	21.4	15.6	23.4	

Manual Integrations
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3/15/2017 5:38:01 PM

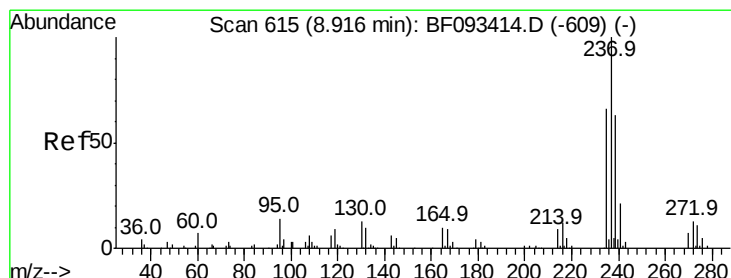
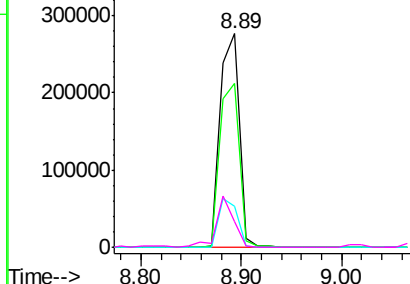
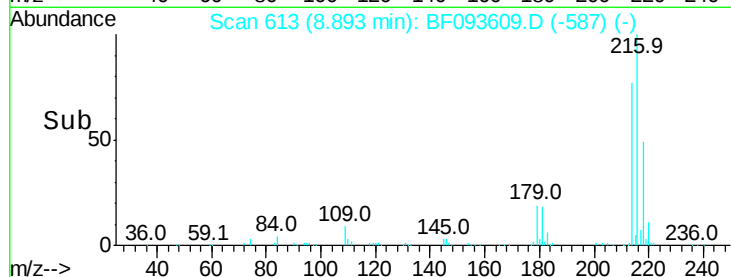


Abundance Ion 216.00 (215.70 to 216.70): E

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: 84.38 ng

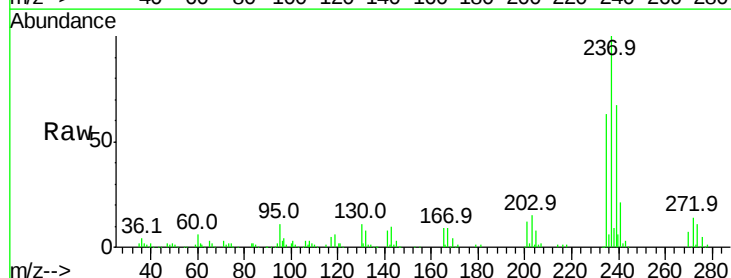
RT: 8.87 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

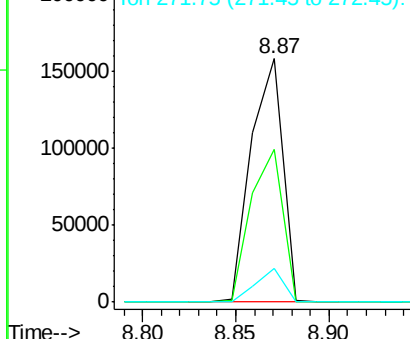
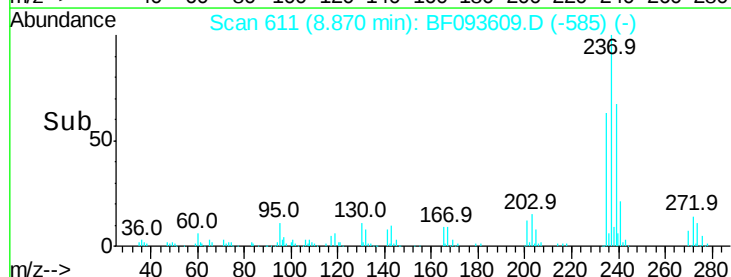
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	186008		
235	62.8	41.2	81.2	
272	13.8	0.0	35.4	

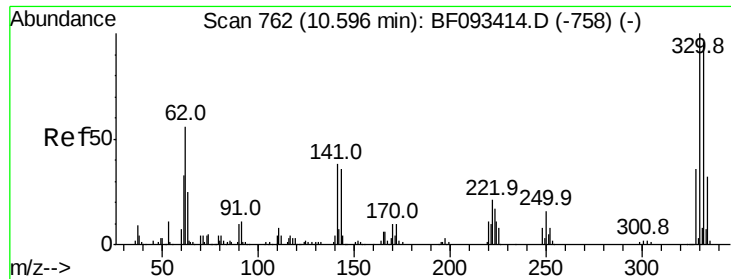


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





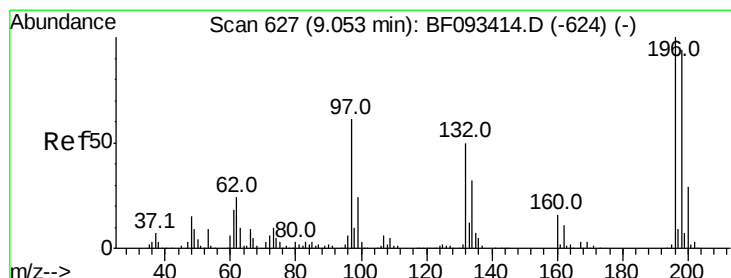
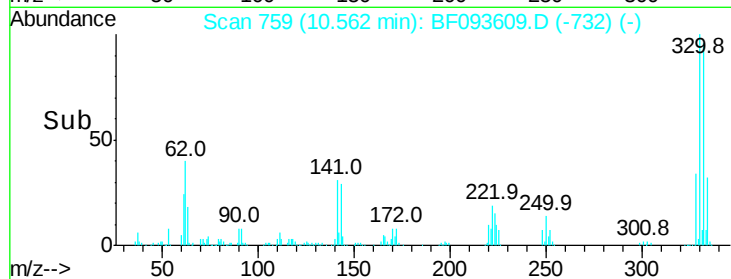
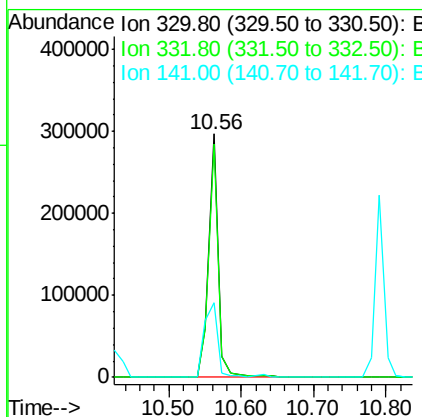
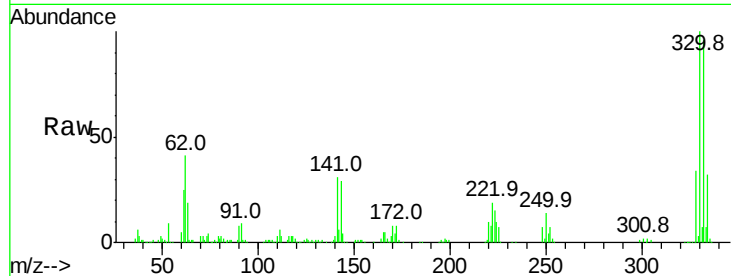
#41
 2,4,6-Tribromophenol
 Concen: 134.72 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	278229		
332	96.2	77.4	116.2	
141	42.3	34.1	51.1	

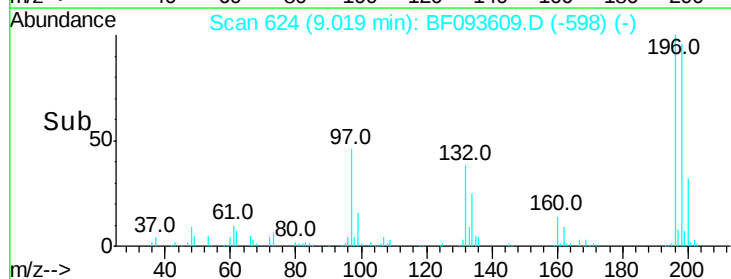
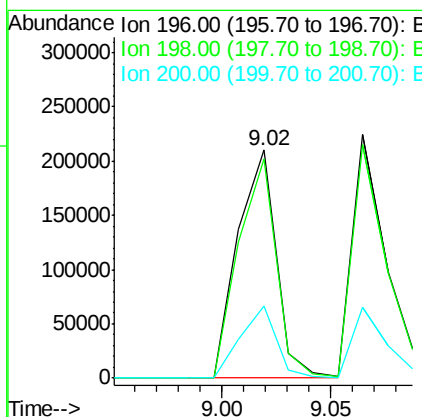
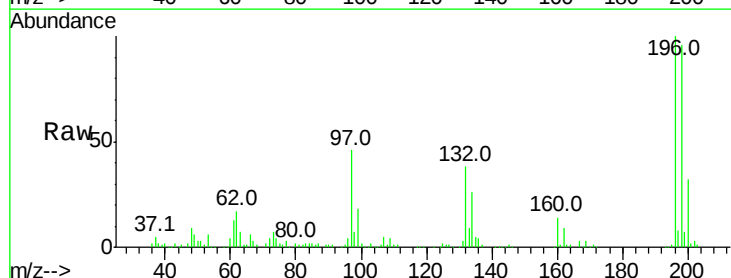
Manual Integrations
 APPROVED

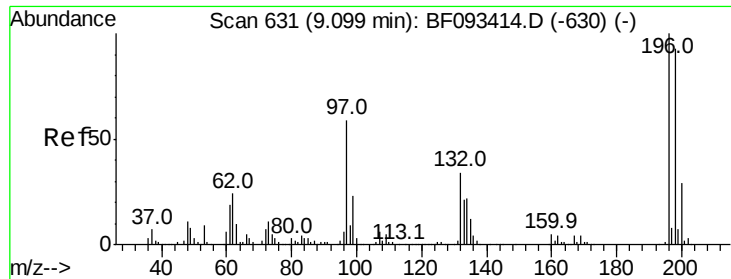
mohammad
 3/15/2017 5:38:01 PM



#42
 2,4,6-Trichlorophenol
 Concen: 47.78 ng
 RT: 9.02 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	258423		
198	96.2	82.1	123.1	
200	31.6	27.0	40.4	





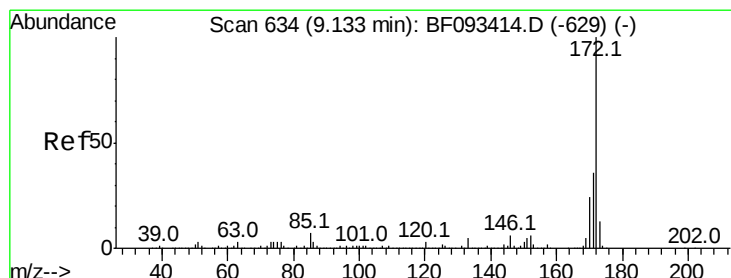
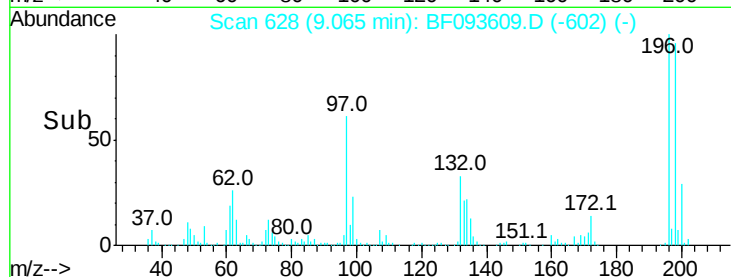
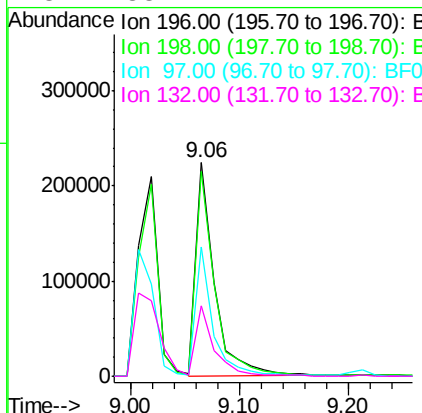
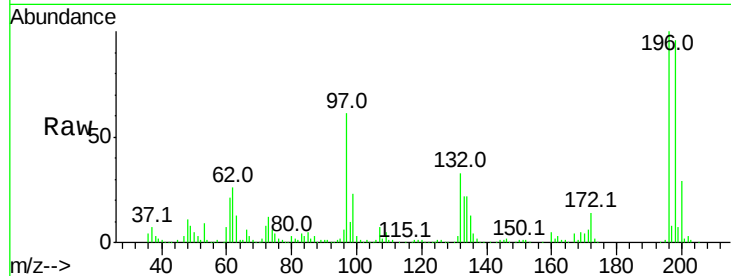
#43
 2,4,5-Trichlorophenol
 Concen: 46.01 ng
 RT: 9.06 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		266982		
198	96.0	79.4	119.2		
97	60.8	51.5	77.3		
132	33.2	27.4	41.2		

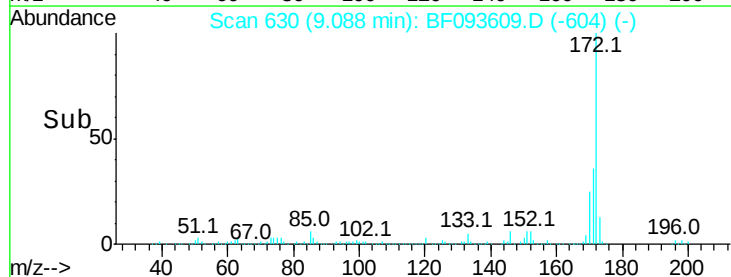
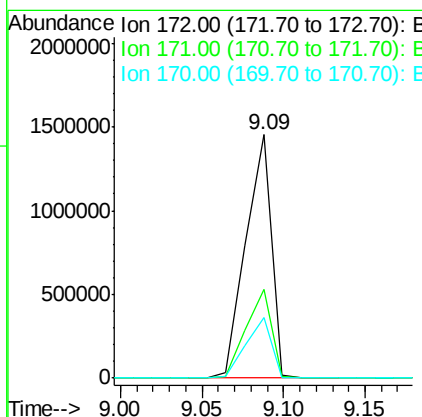
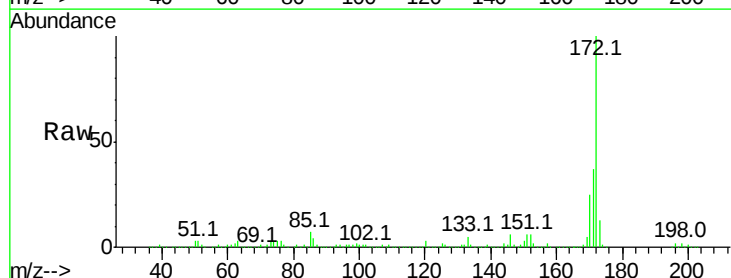
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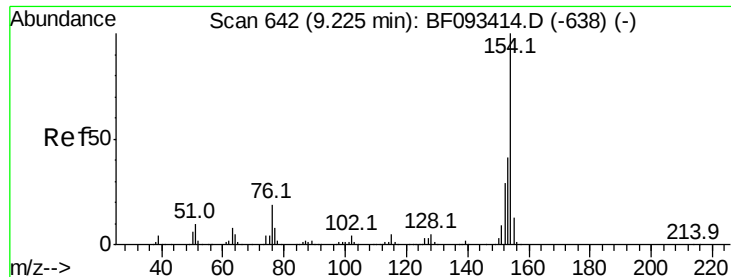
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#44
 2-Fluorobiphenyl
 Concen: 92.84 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1582302		
171	36.5	29.4	44.0		
170	24.8	20.2	30.4		





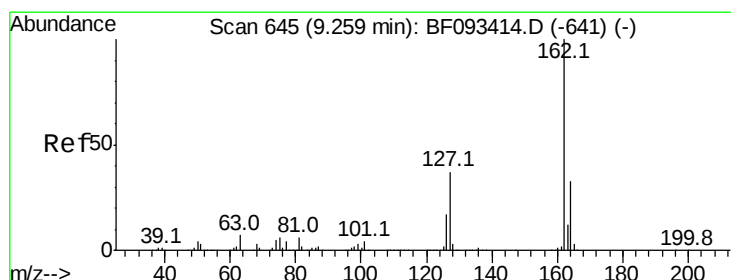
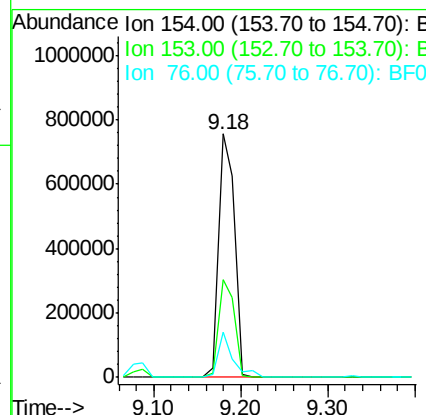
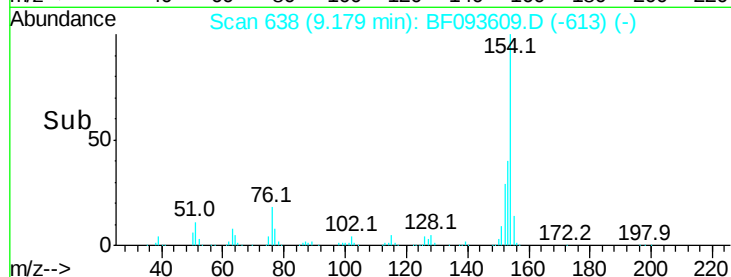
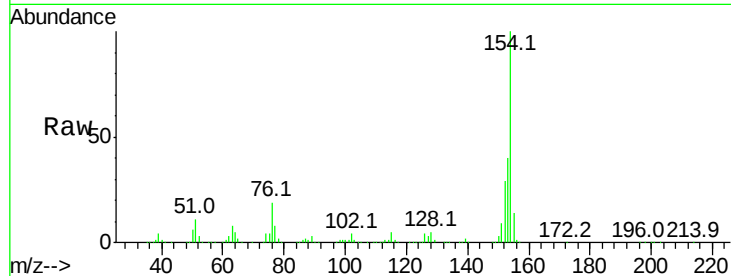
#45
 1,1'-Biphenyl
 Concen: 42.44 ng
 RT: 9.18 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleID :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.3	20.9	60.9	
76	18.5	0.0	30.5	

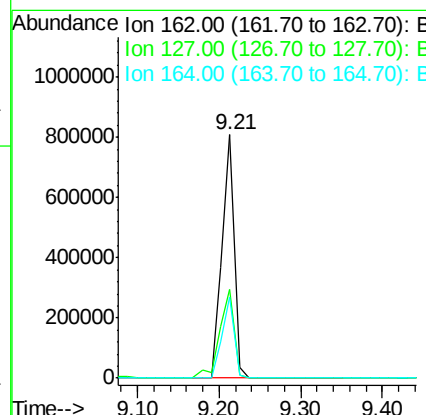
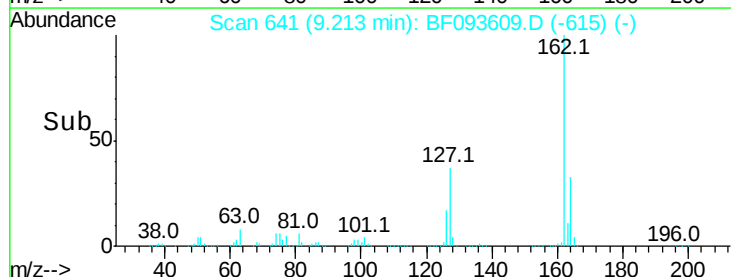
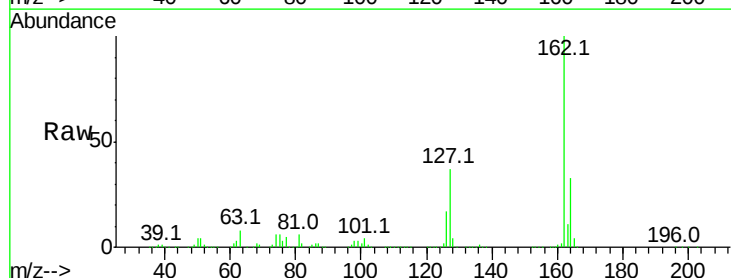
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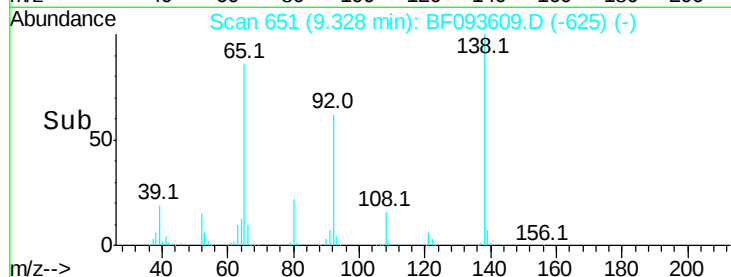
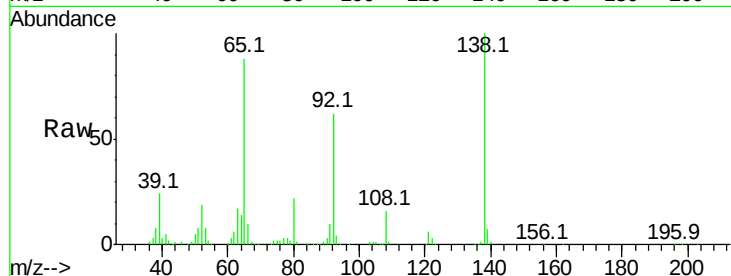
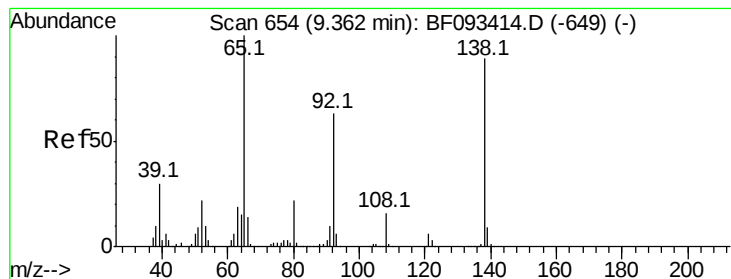
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#46
 2-Chloronaphthalene
 Concen: 47.57 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	36.5	30.7	46.1	
164	33.3	27.6	41.4	





#47

2-Nitroaniline

Concen: 48.54 ng

RT: 9.33 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tot Ion	65	Resp	303305
Ion	Ratio	Lower	Upper
65	100		
92	70.6	53.9	80.9
138	113.6	76.8	115.2

Instrument :

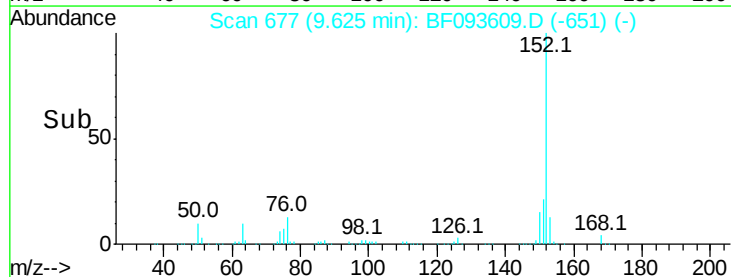
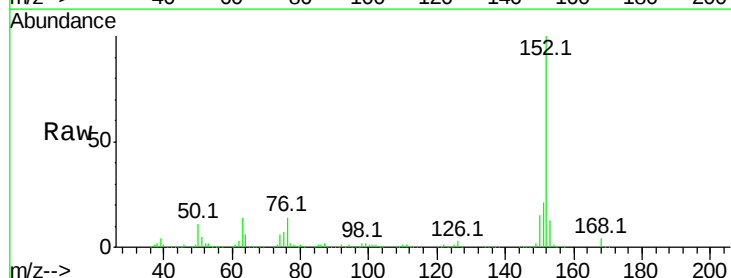
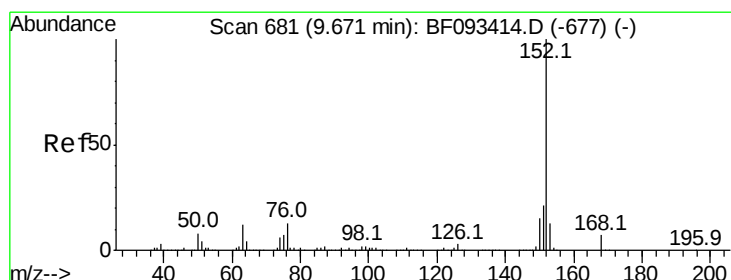
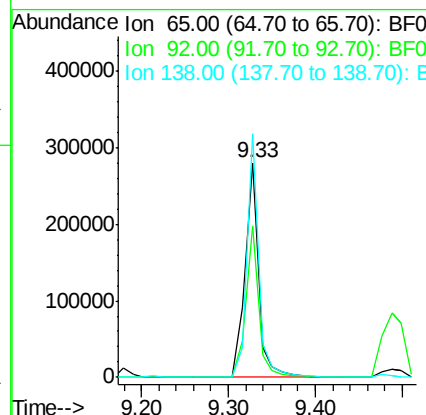
BNA_F

ClientSampleId :

PB97540BS

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#48

Acenaphthylene

Concen: 44.30 ng

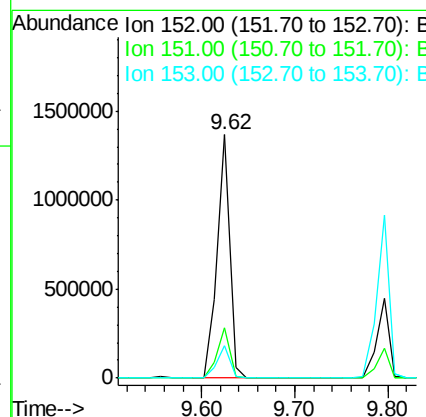
RT: 9.62 min Scan# 677

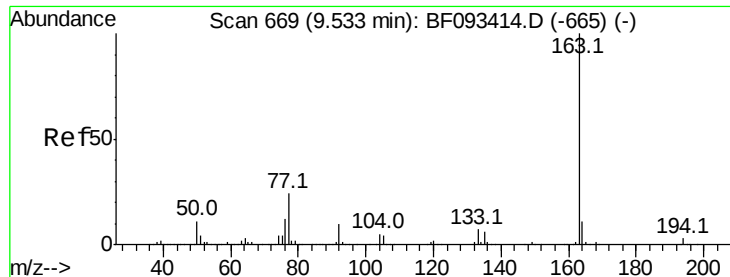
Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion	152	Resp	1291450
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.9	25.3
153	13.4	11.4	17.2





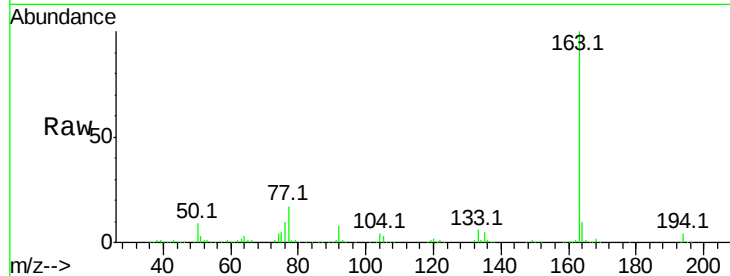
#49
Dimethylphthalate
Concen: 46.26 ng
RT: 9.50 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleID :
PB97540BS

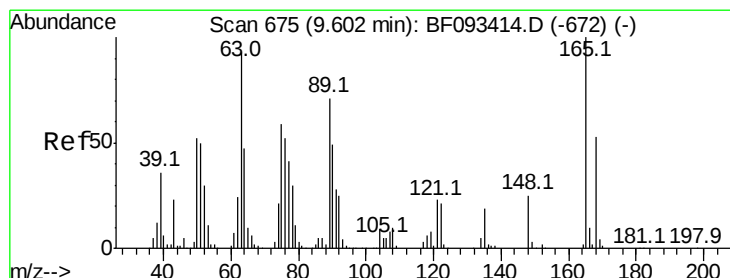
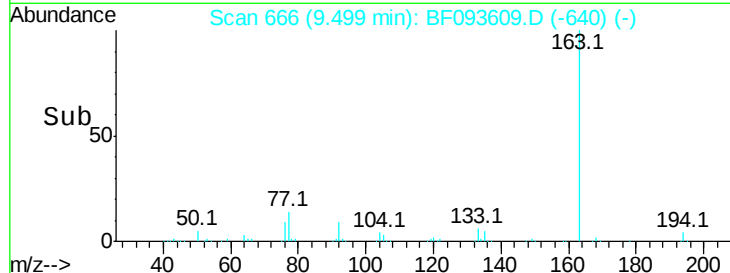
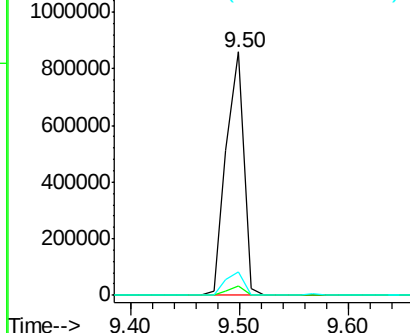
Tot Ion	Ratio	Resp	Lower	Upper
163	100	972197		
194	3.7		3.0	4.4
164	9.9		8.0	12.0

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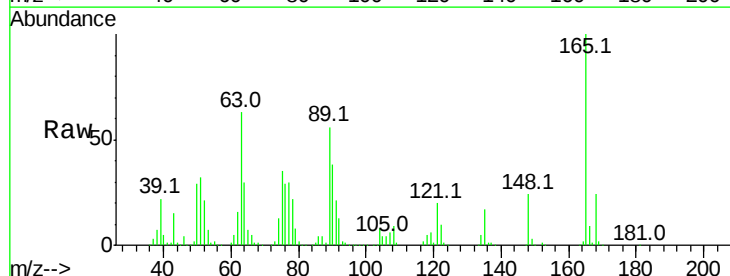


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

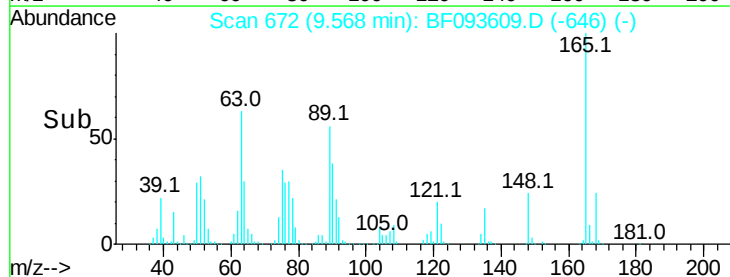
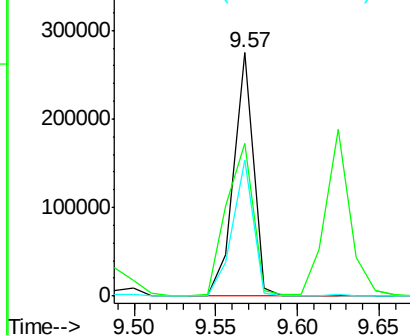


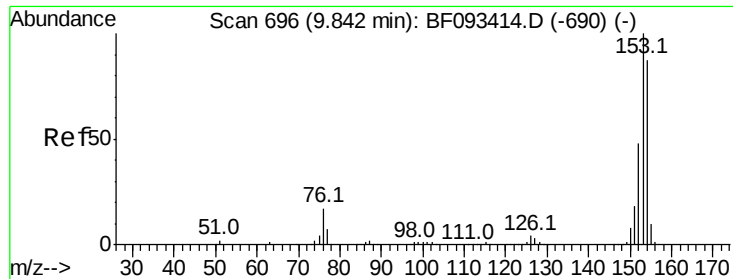
#50
2,6-Dinitrotoluene
Concen: 49.37 ng
RT: 9.57 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	227670		
63	62.6		36.2	54.4#
89	55.8		40.2	60.4



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





#51

Acenaphthene

Concen: 44.25 ng

RT: 9.80 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

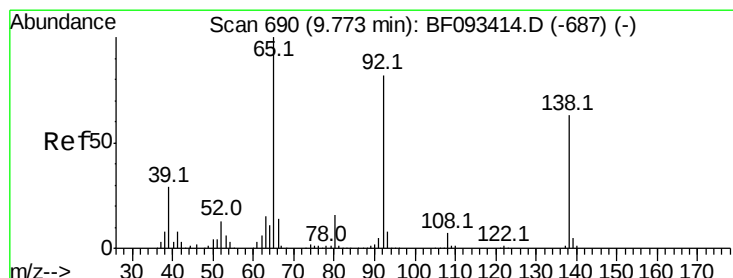
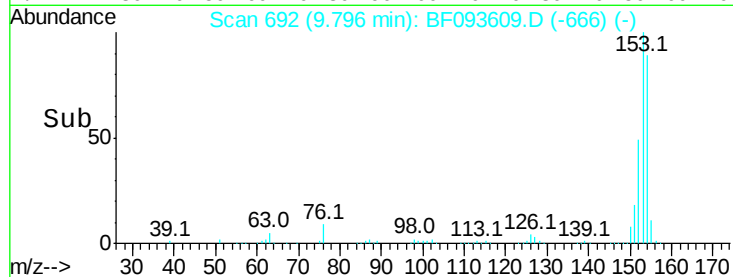
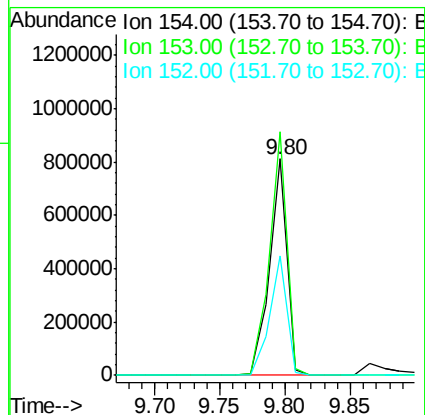
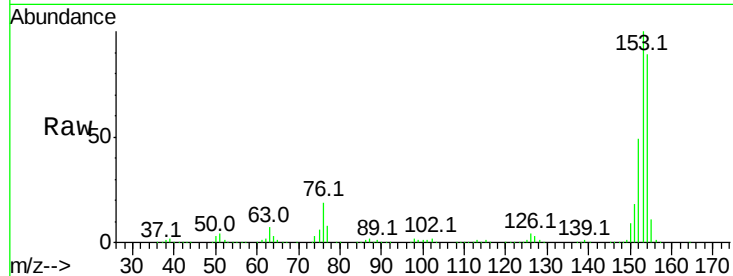
ClientSampleId :

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Tot Ion:	154	Resp:	762833
Ion Ratio	Lower	Upper	
154	100		
153	112.6	88.6	133.0
152	55.4	41.6	62.4

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#52

3-Nitroaniline

Concen: 29.70 ng

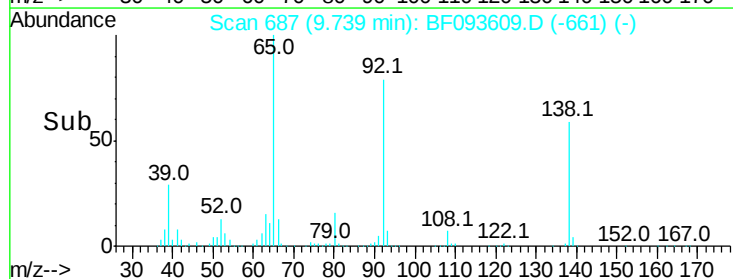
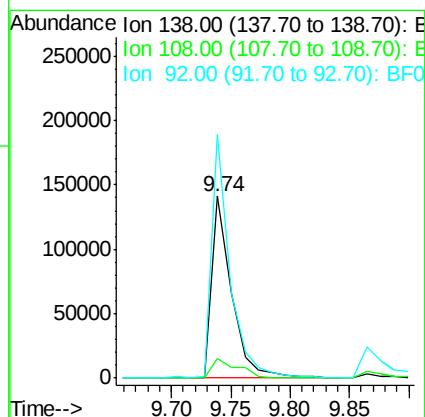
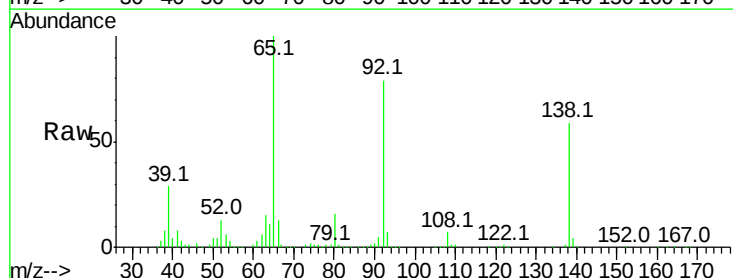
RT: 9.74 min Scan# 687

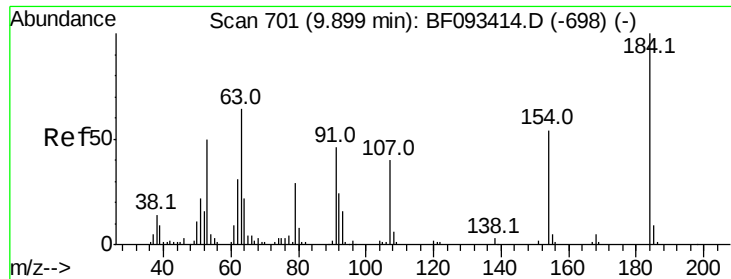
Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	138	Resp:	164527
Ion Ratio	Lower	Upper	
138	100		
108	11.1	8.5	12.7
92	134.0	97.8	146.8





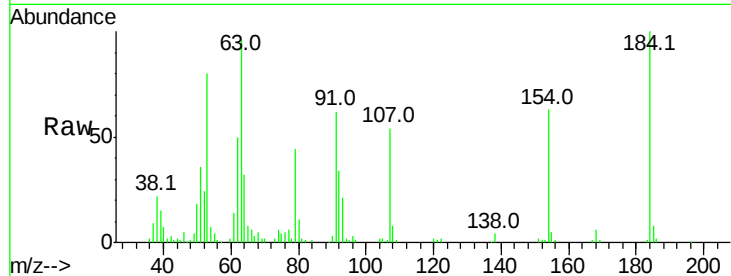
#53
2,4-Dinitrophenol
Concen: 53.02 ng/ml
RT: 9.86 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleID :
PB97540BS

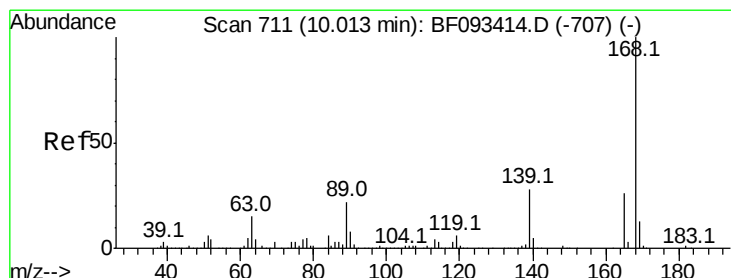
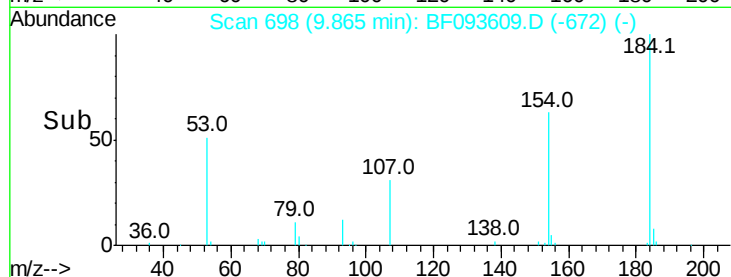
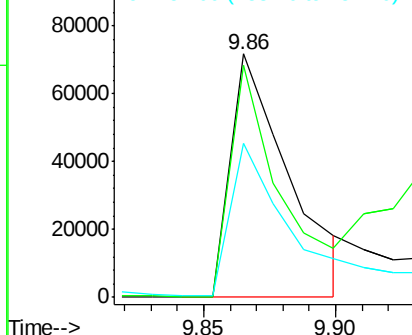
Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	95.5	28.4	42.6	
154	63.4	44.3	66.5	

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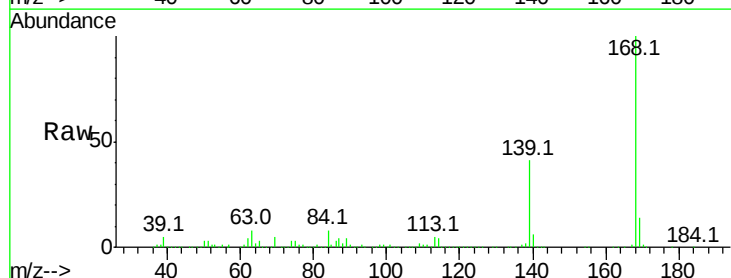


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

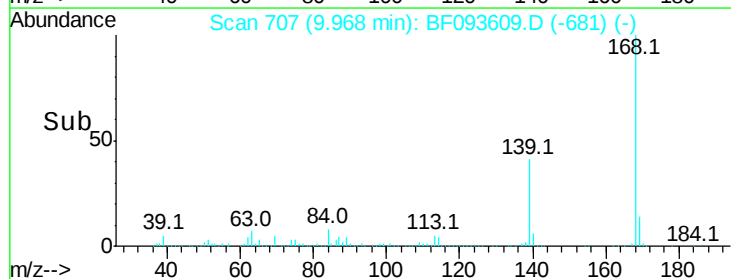
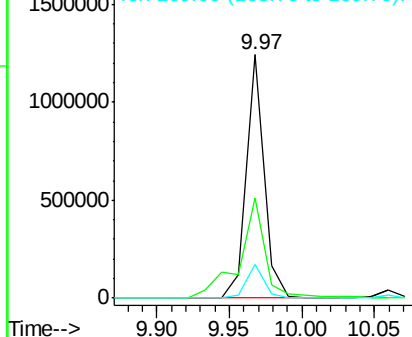


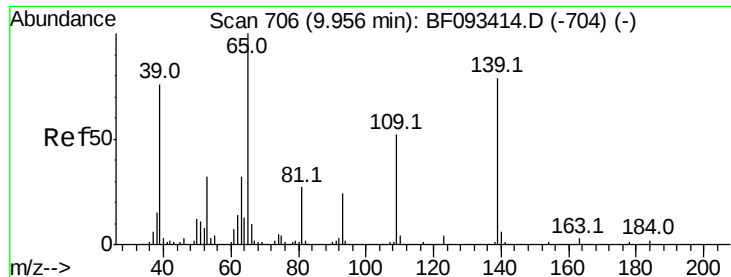
#54
Dibenzofuran
Concen: 48.98 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.3	32.6	49.0	
169	13.7	11.3	16.9	



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





#55

4-Nitrophenol

Concen: 73.20 ng/mL

RT: 9.94 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

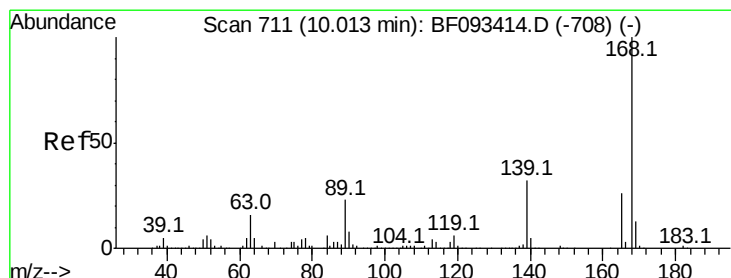
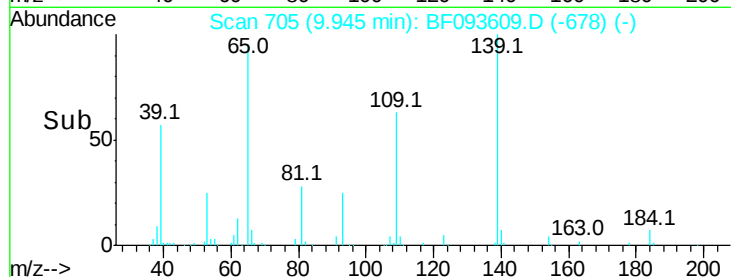
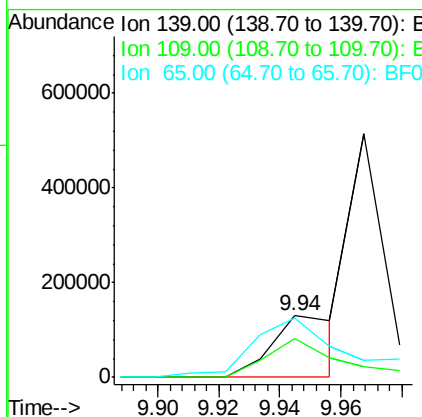
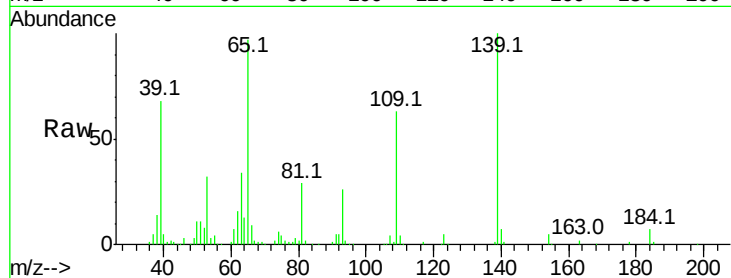
ClientSampleID :

PB97540BS

Tot Ion:	139	Resp:	196964
Ion Ratio	Lower	Upper	
139	100		
109	63.3	52.2	92.2
65	97.1	85.8	125.8

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#56

2,4-Dinitrotoluene

Concen: 49.71 ng/mL

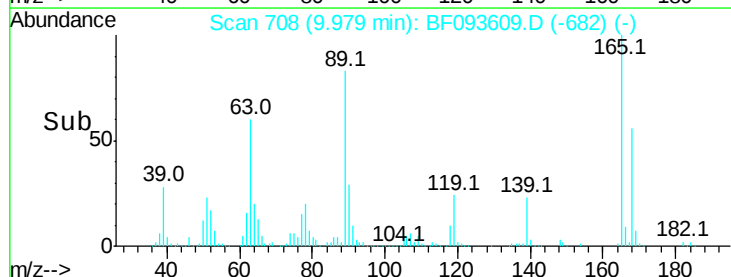
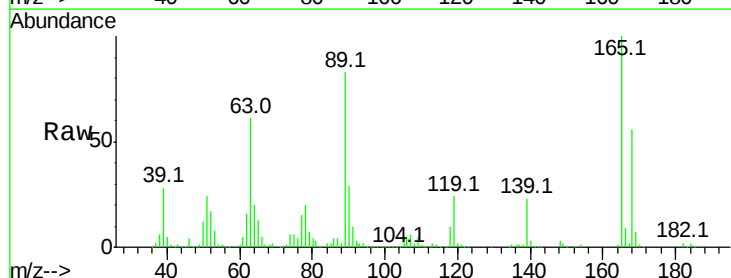
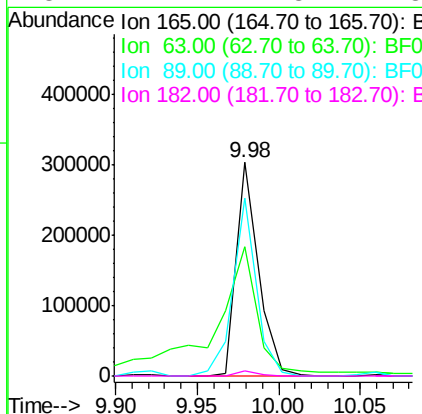
RT: 9.98 min Scan# 708

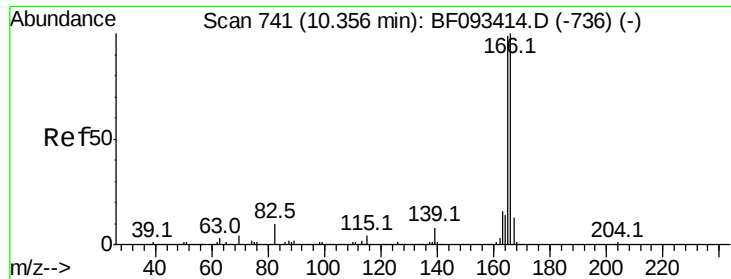
Delta R.T. 0.00 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	165	Resp:	281613
Ion Ratio	Lower	Upper	
165	100		
63	60.6	40.2	60.4#
89	83.5	62.5	93.7
182	2.2	1.8	2.8





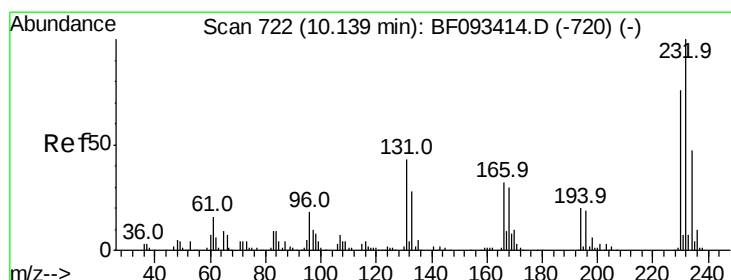
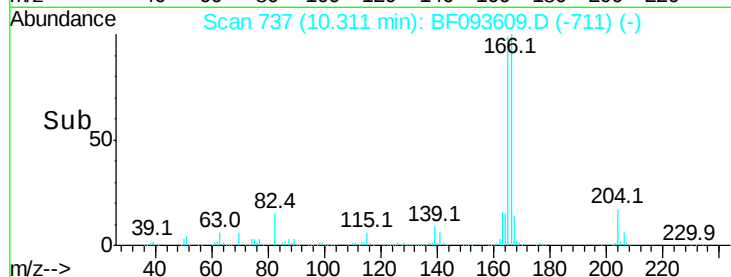
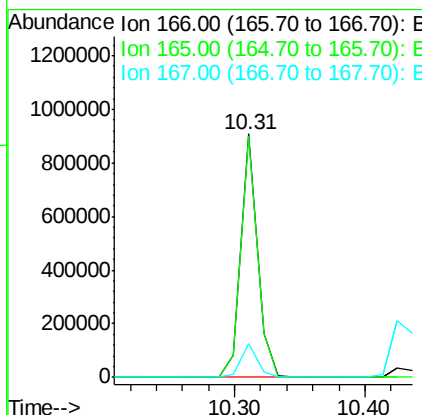
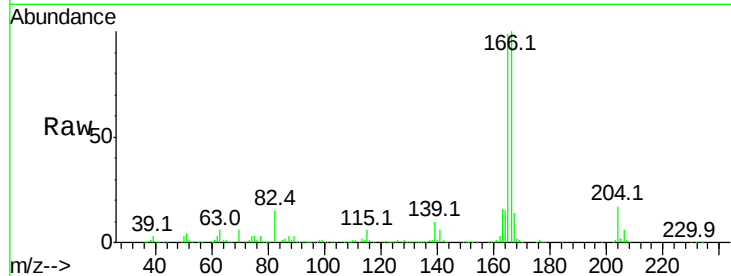
#57
 Fluorene
 Concen: 43.54 ng
 RT: 10.31 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	796155		
165	99.3		77.8	116.8
167	14.1		10.8	16.2

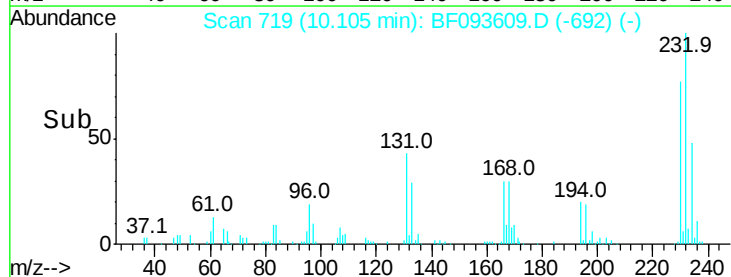
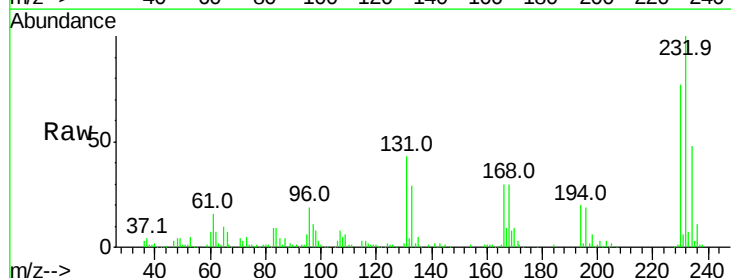
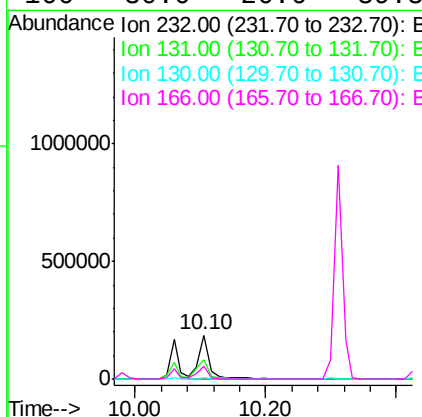
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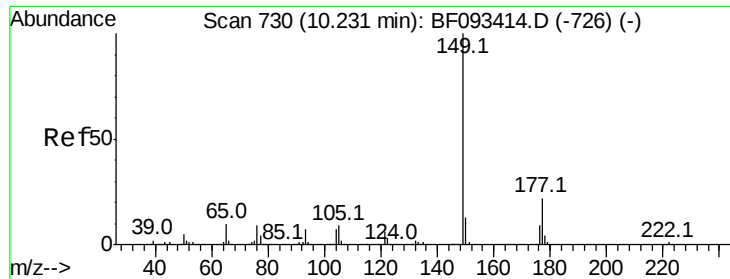
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.80 ng
 RT: 10.10 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	208027		
131	48.9		40.1	60.1
130	2.5		1.8	2.8
166	30.0		26.6	39.8





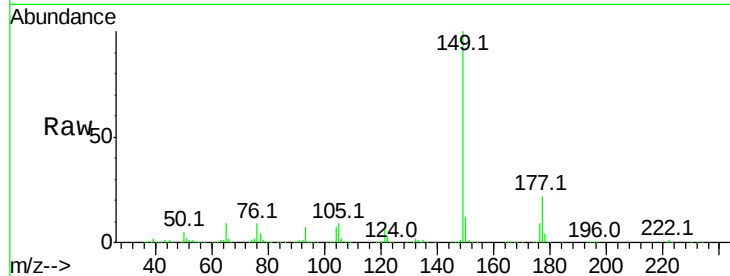
#59
Diethylphthalate
Concen: 48.21 ng
RT: 10.20 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampled :
PB97540BS

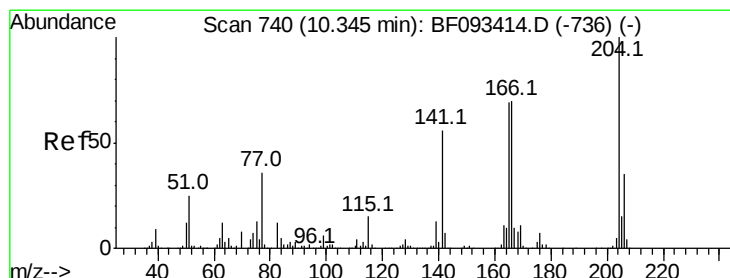
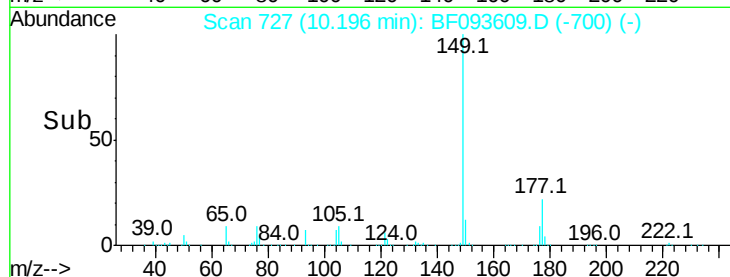
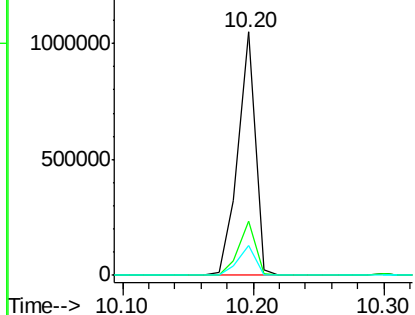
Tot Ion	Ratio	Resp	Lower	Upper
149	100	968293		
177	22.2	16.6	25.0	
150	12.5	10.4	15.6	

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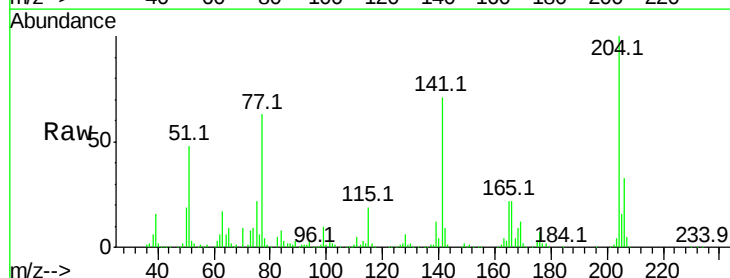


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

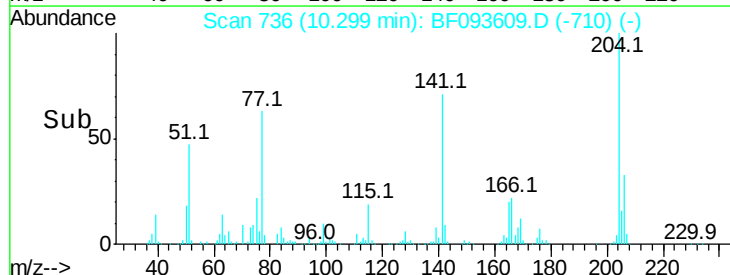
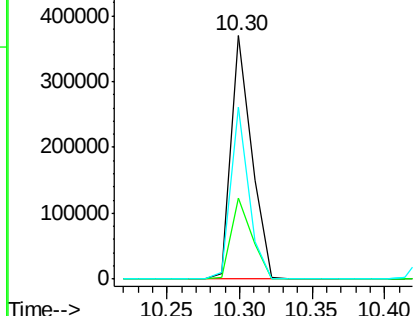


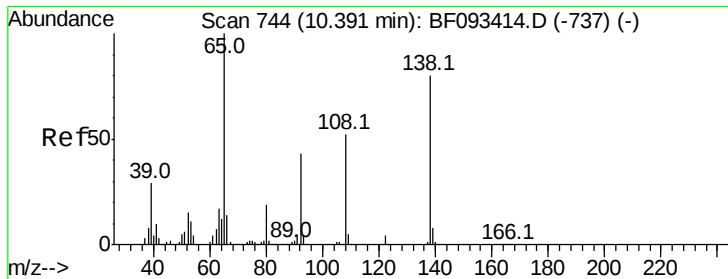
#60
4-Chlorophenyl-phenylether
Concen: 44.62 ng
RT: 10.30 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	365696		
206	33.5	25.8	38.6	
141	70.7	59.4	89.0	



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





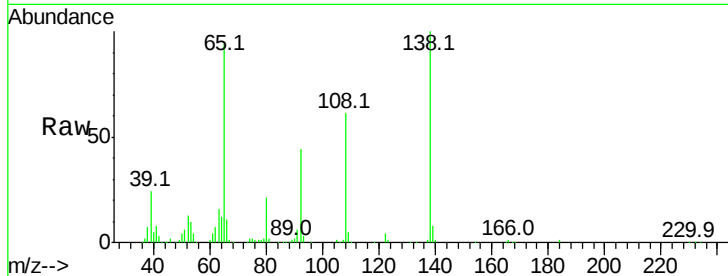
#61
4-Nitroaniline
Concen: 40.73 ng
RT: 10.37 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

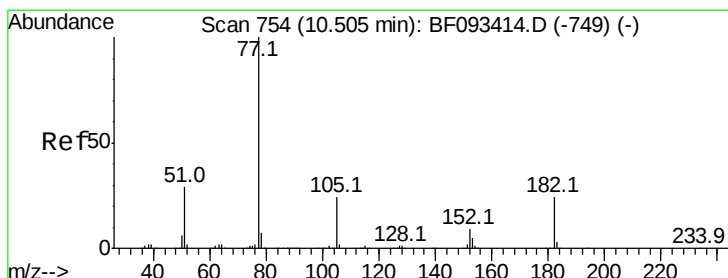
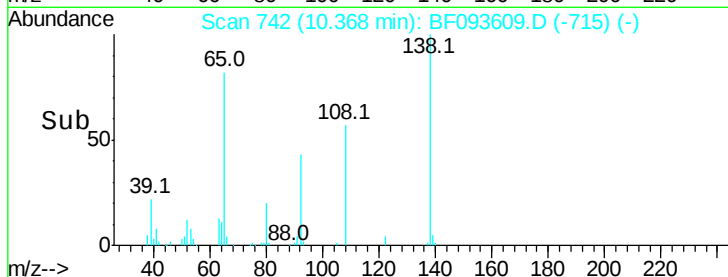
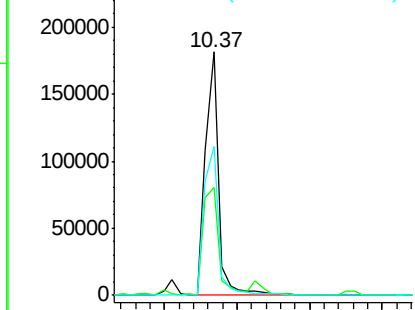
Tot Ion	Ratio	Lower	Upper
138	100		
92	44.2	31.7	71.7
108	61.0	52.6	92.6

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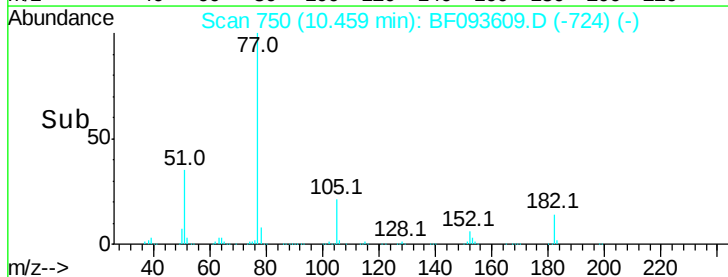
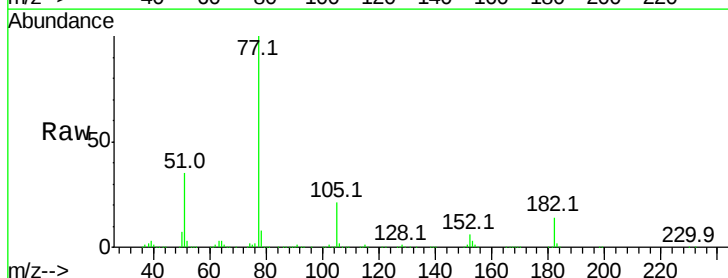
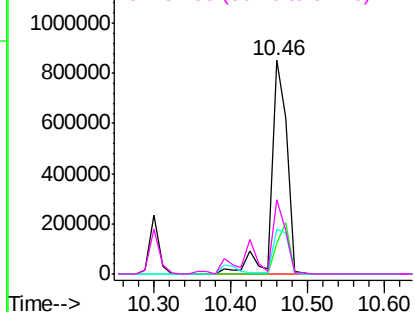
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

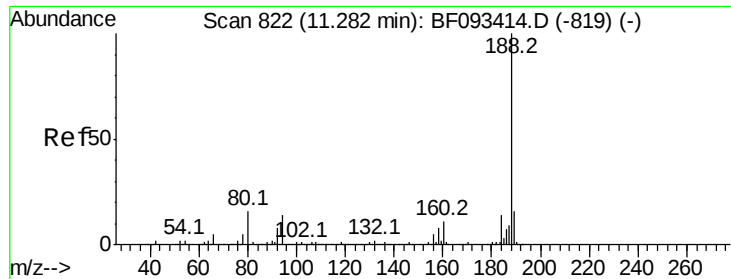


#62
Azobenzene
Concen: 50.80 ng
RT: 10.46 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
77	100		
182	14.2	0.0	39.3
105	20.7	2.3	42.3
51	34.9	8.9	48.9

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





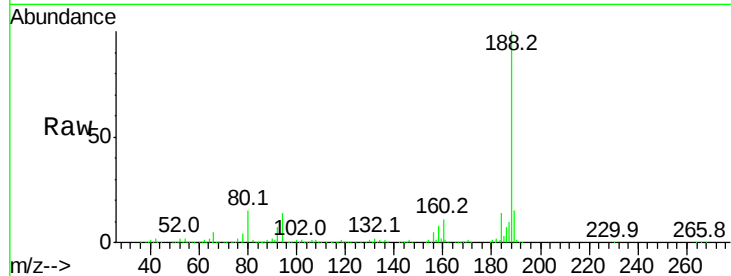
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.7	10.0	15.0	
80	14.6	11.2	16.8	

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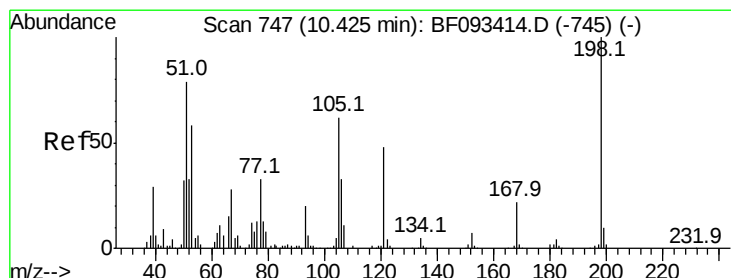
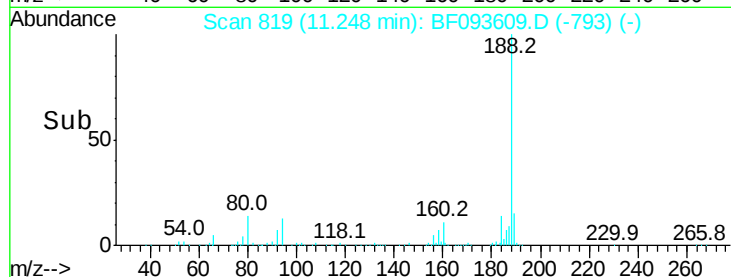
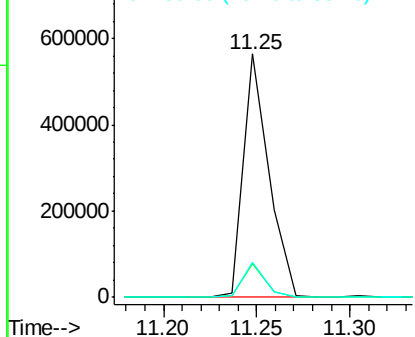
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Abundance Ion 188.00 (187.70 to 188.70): E

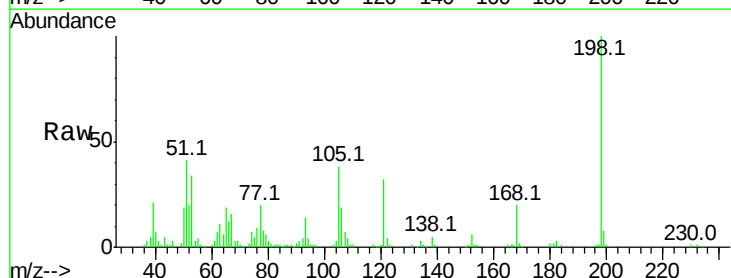
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 33.56 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

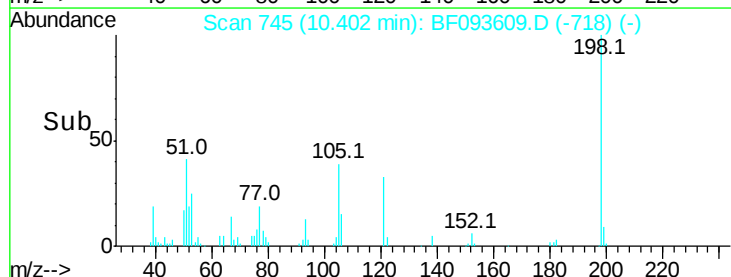
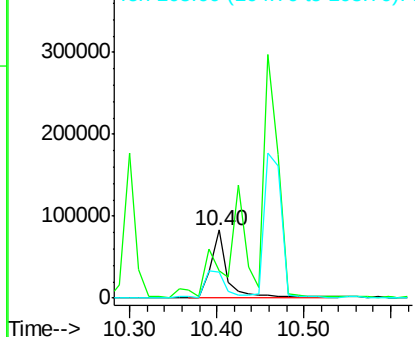
Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	40.9	6.7	46.7	
105	37.5	16.6	56.6	

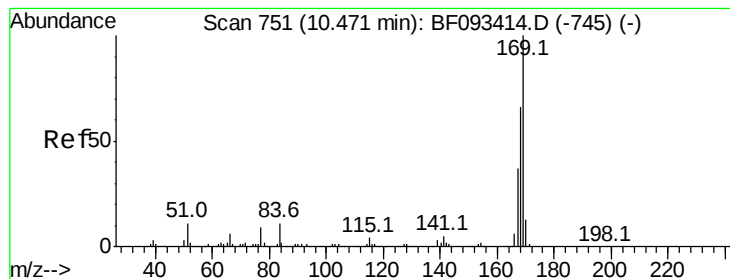


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





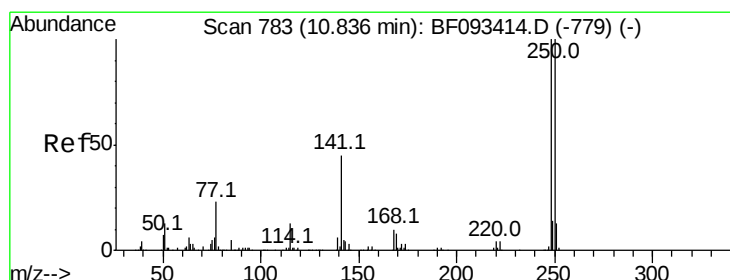
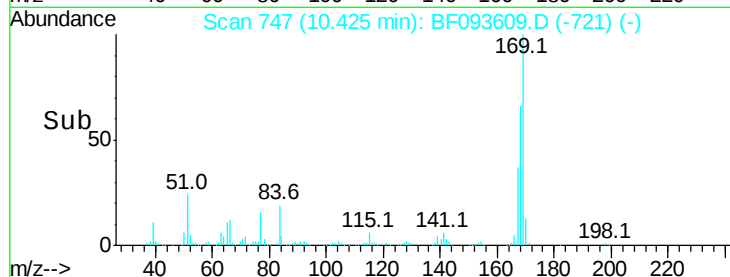
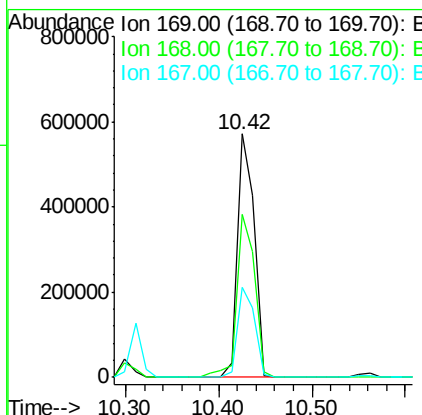
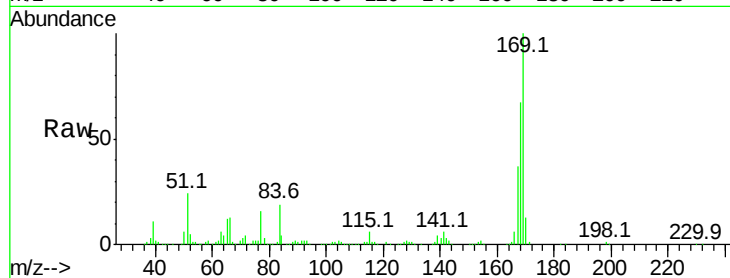
#65
n-Nitrosodiphenylamine
Concen: 40.15 ng
RT: 10.42 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	719011		
168	66.8		54.2	81.2
167	37.1		30.2	45.4

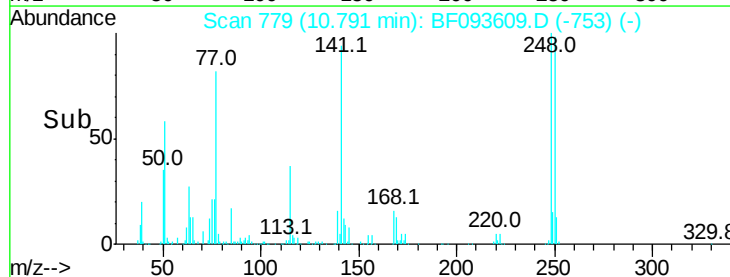
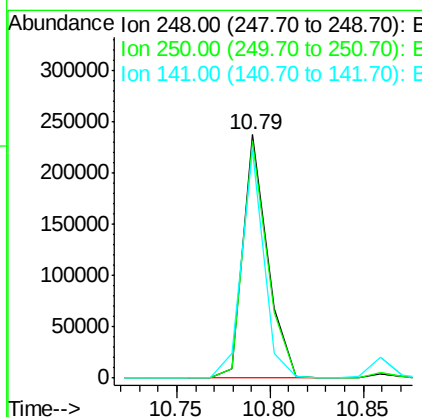
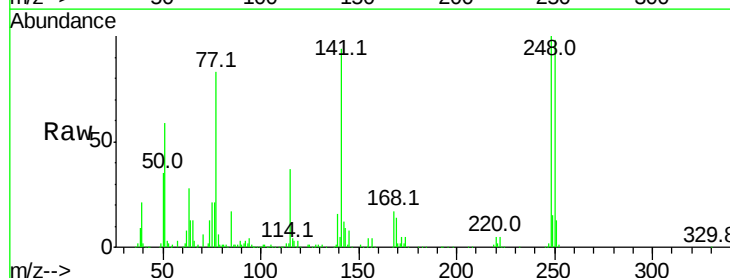
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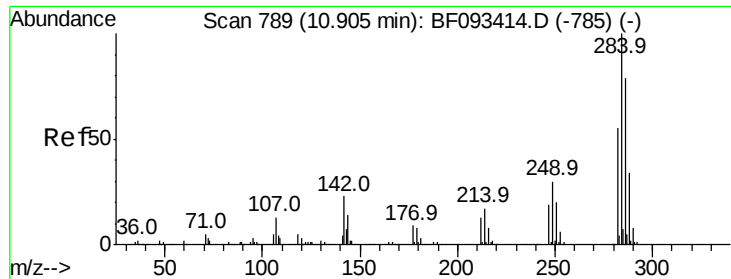
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 38.44 ng
RT: 10.79 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	218008		
250	97.5		76.9	115.3
141	93.5		68.2	102.4





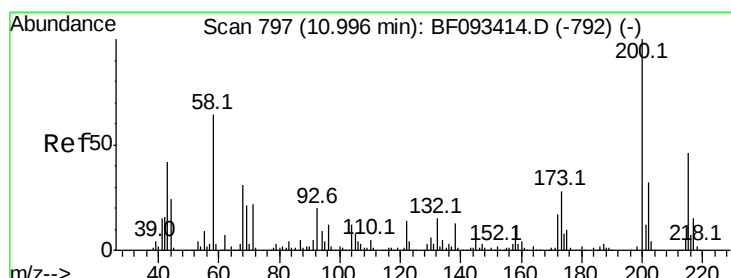
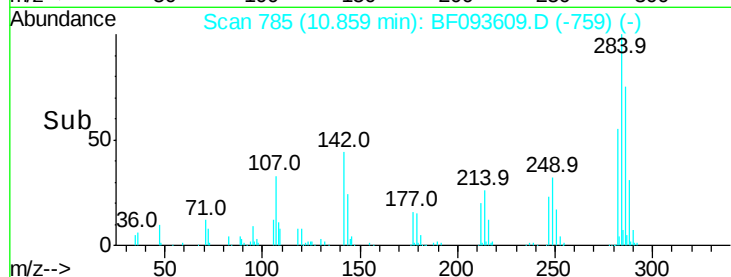
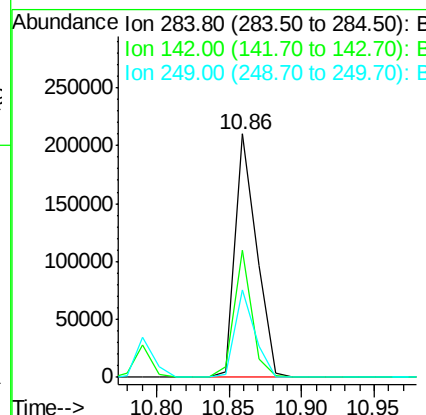
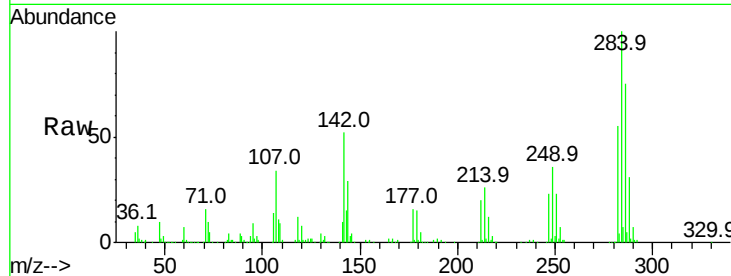
#67
Hexachlorobenzene
Concen: 39.95 ng
RT: 10.86 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	52.4	22.6	33.8#	
249	35.7	25.4	38.0	

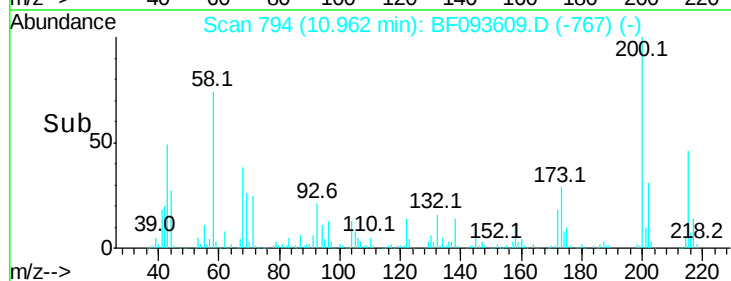
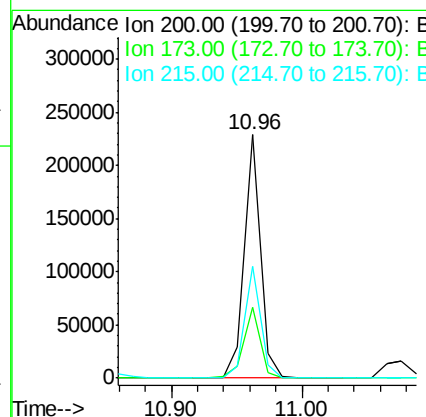
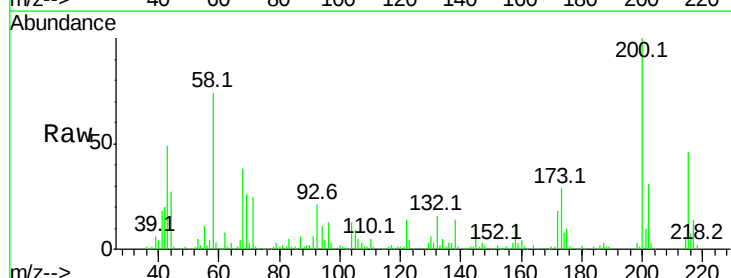
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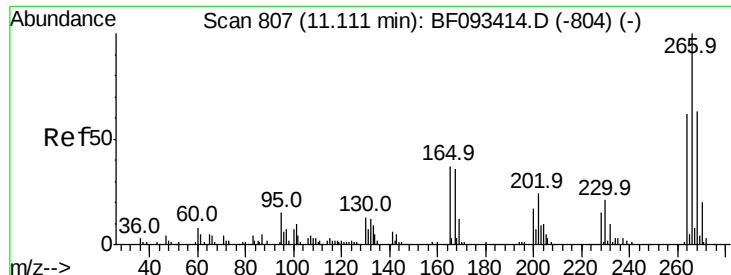
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#68
Atrazine
Concen: 37.32 ng
RT: 10.96 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	29.2	9.6	49.6	
215	45.9	25.7	65.7	





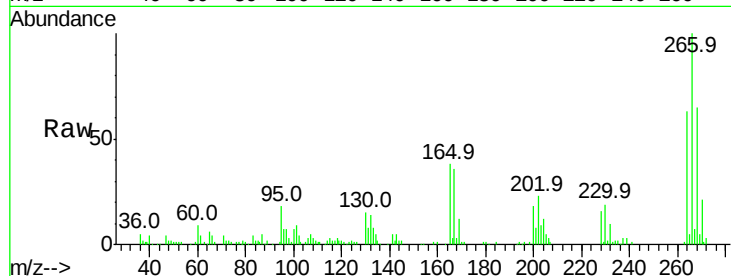
#69
 Pentachlorophenol
 Concen: 70.01 ng
 RT: 11.08 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

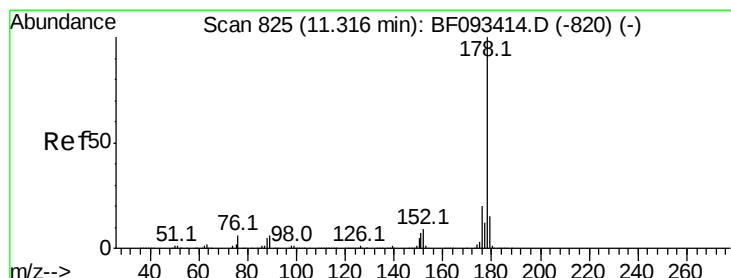
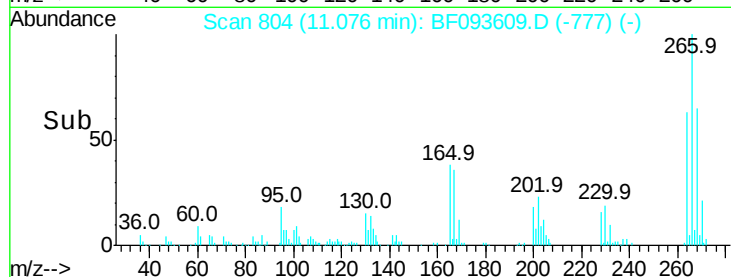
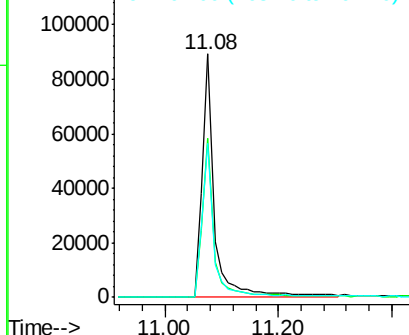
Tot Ion	Ratio	Resp	Lower	Upper
266	100	130893		
268	65.4	53.3	79.9	
264	63.1	50.3	75.5	

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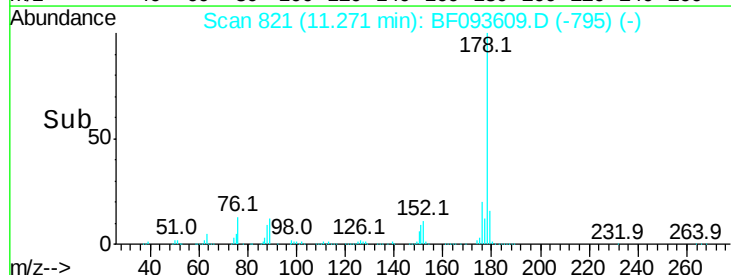
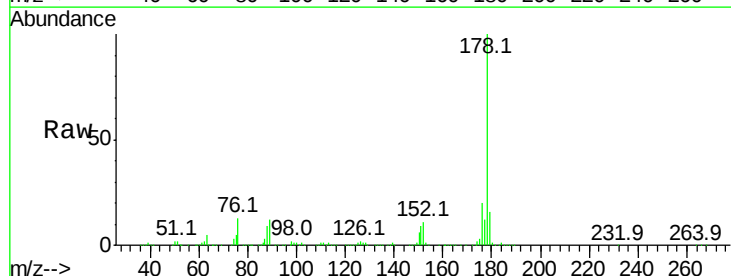
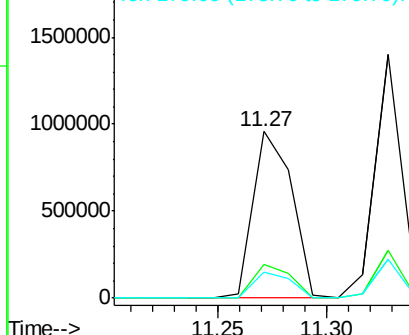
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

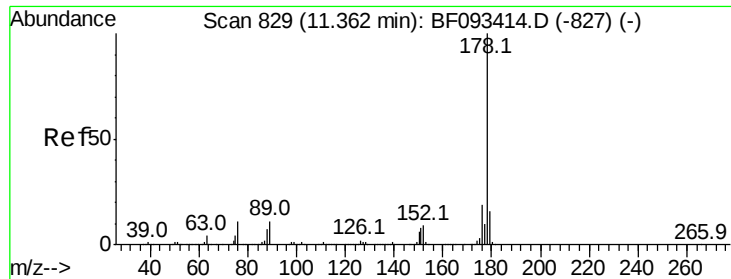


#70
 Phenanthrene
 Concen: 39.11 ng
 RT: 11.27 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1197299		
176	20.2	16.6	25.0	
179	16.0	12.8	19.2	

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





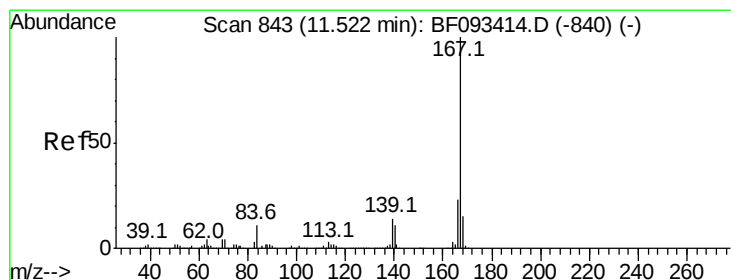
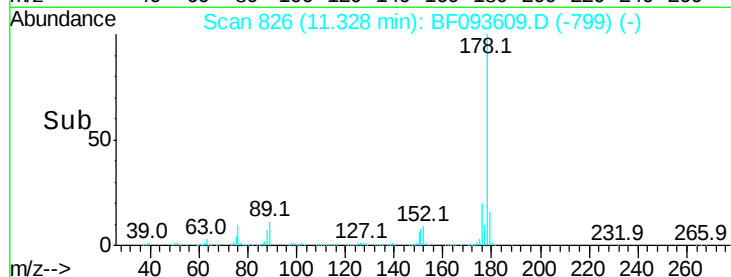
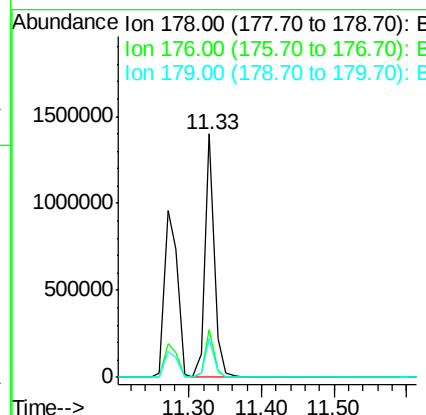
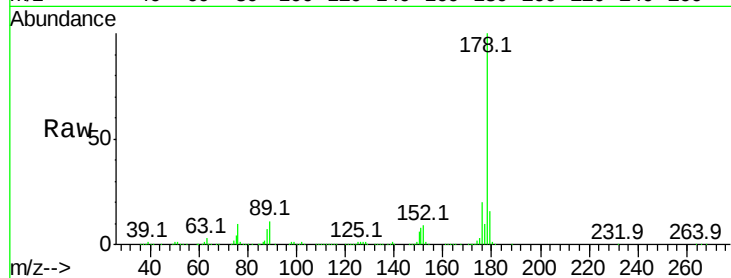
#71
 Anthracene
 Concen: 40.16 ng
 RT: 11.33 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion:178 Resp: 1243492
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 15.9 13.2 19.8

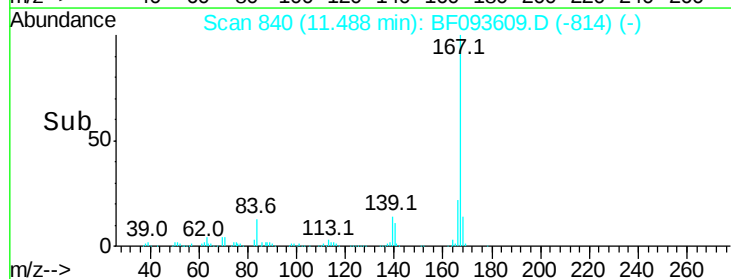
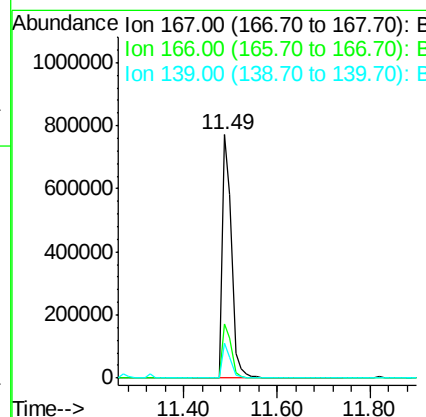
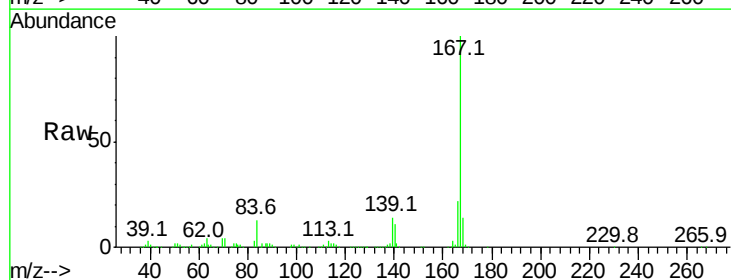
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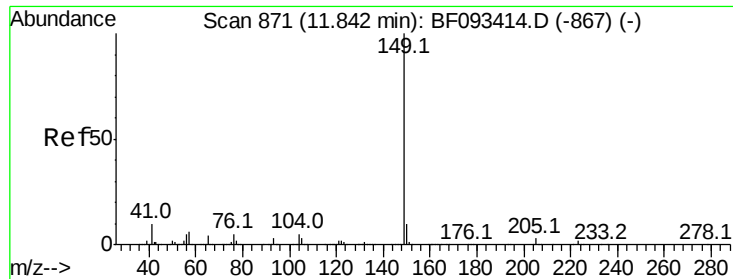
mohammad
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#72
 Carbazole
 Concen: 35.51 ng
 RT: 11.49 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion:167 Resp: 1032819
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.2 27.2
 139 14.3 11.4 17.2





#73

Di-n-butylphthalate

Concen: 40.08 ng

RT: 11.82 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

ClientSampleId :

PB97540BS

Tot Ion:149 Resp: 1348859

Ion Ratio Lower Upper

149 100

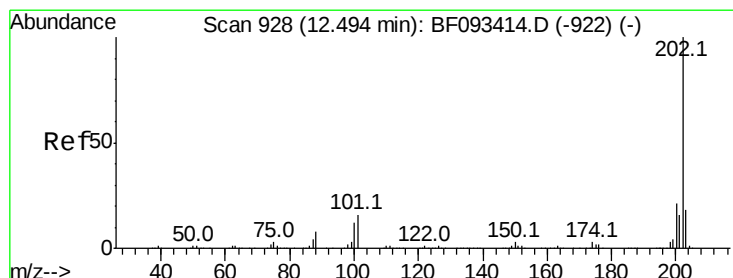
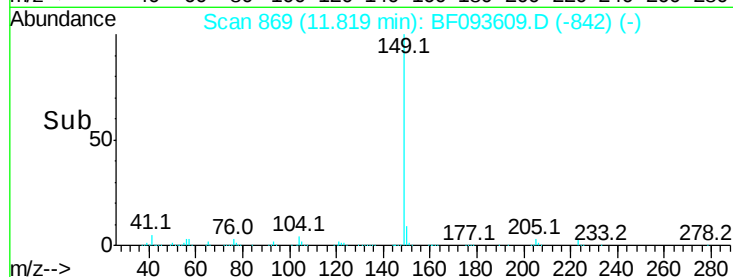
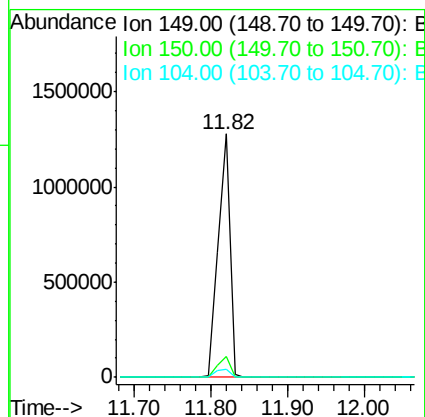
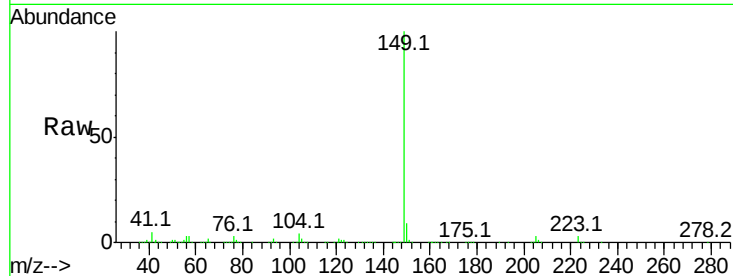
150 8.8 8.1 12.1

104 3.6 4.6 7.0#

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#74

Fluoranthene

Concen: 38.46 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

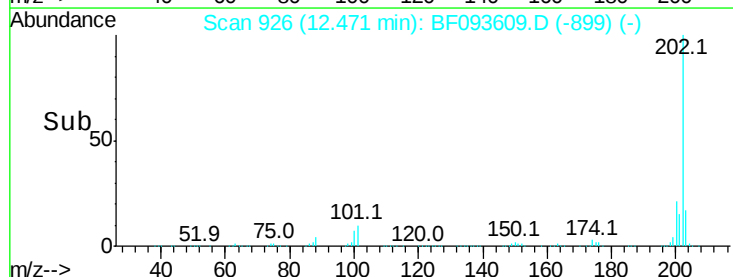
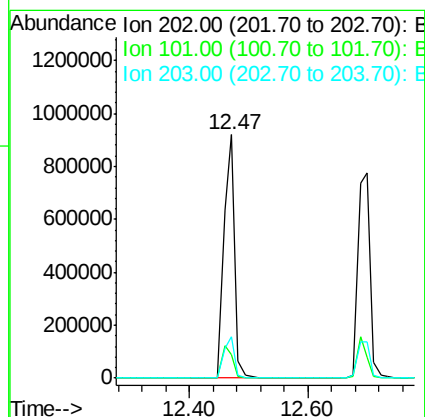
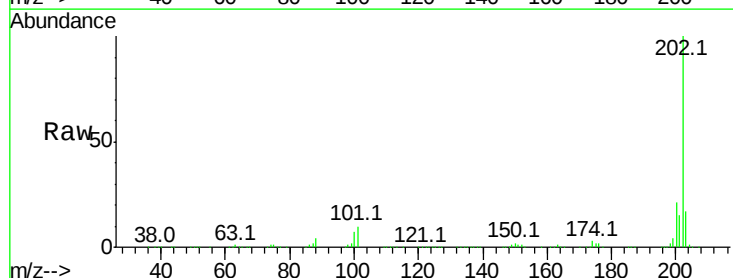
Tgt Ion:202 Resp: 1137069

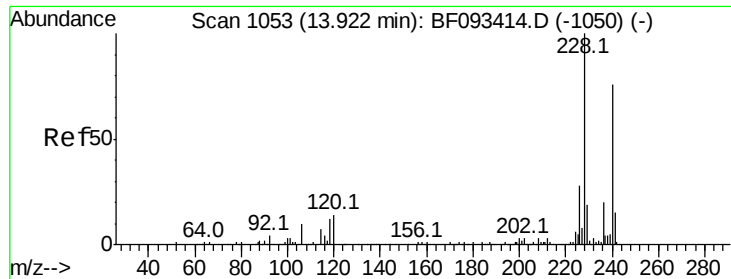
Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.6

203 17.2 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

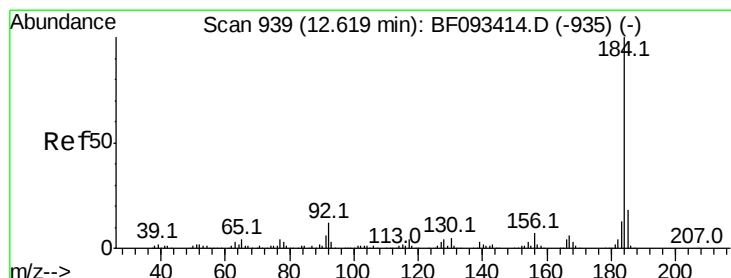
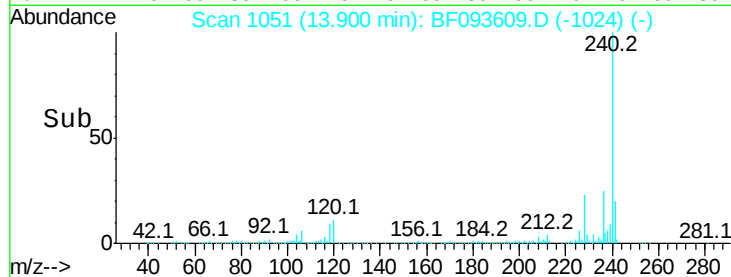
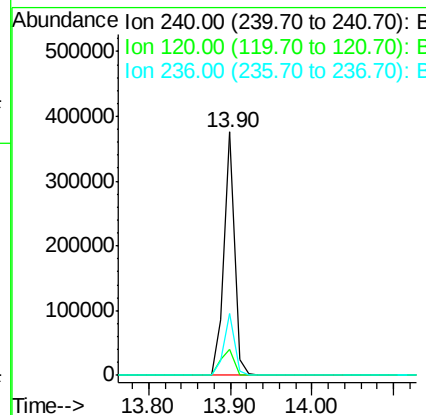
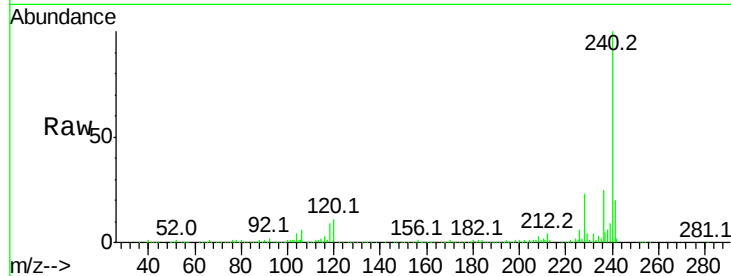
ClientSampleId :

PB97540BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	12.9	19.3#
236	25.5	20.9	31.3

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#76

Benzidine

Concen: 7.43 ng

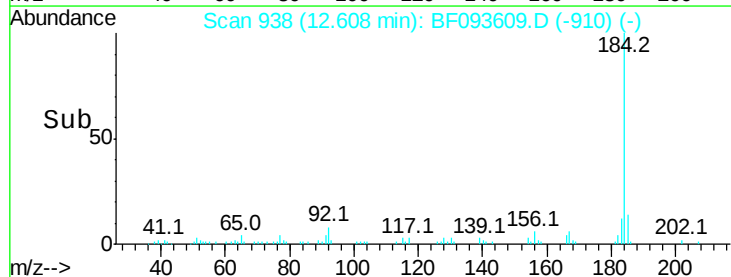
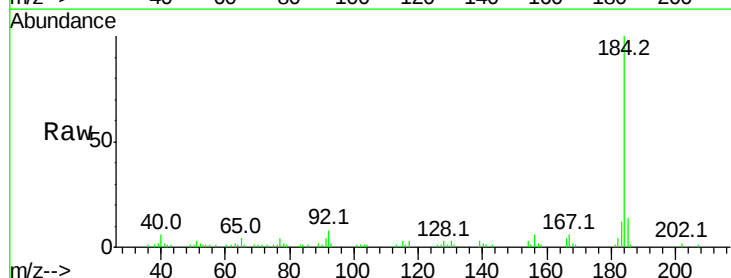
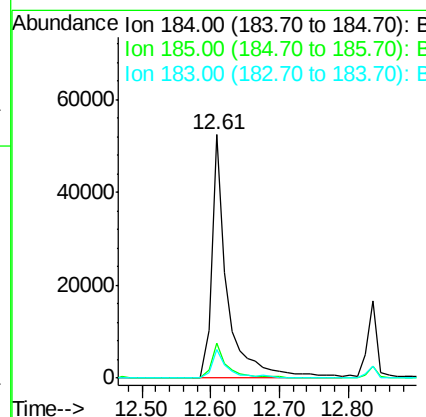
RT: 12.61 min Scan# 938

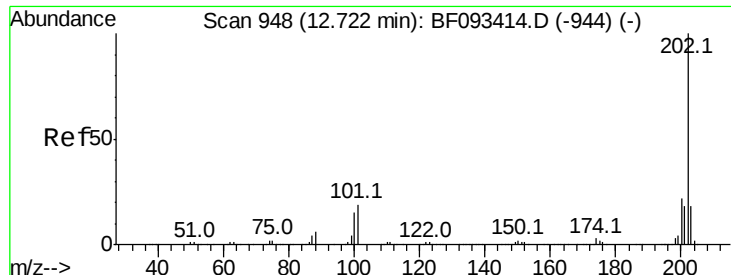
Delta R.T. 0.02 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.4	13.4	20.0
183	11.9	9.2	13.8





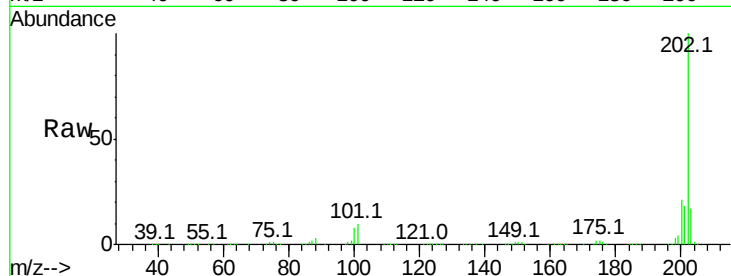
#77
Pvrene
Concen: 44.81 ng
RT: 12.70 min Scan# 946
Delta R.T. 0.02 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

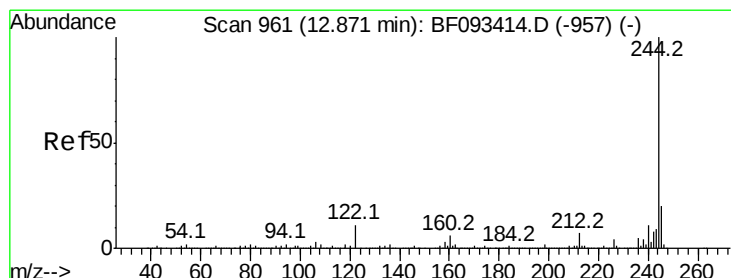
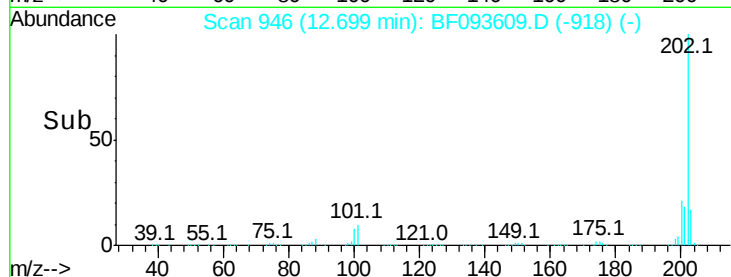
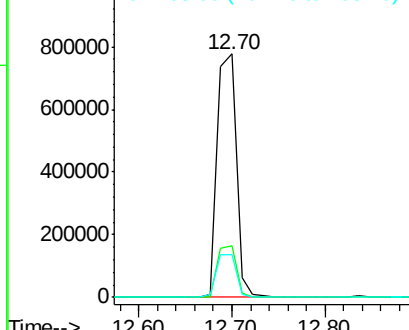
Tot Ion:202 Resp: 1102640
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.4 14.7 22.1

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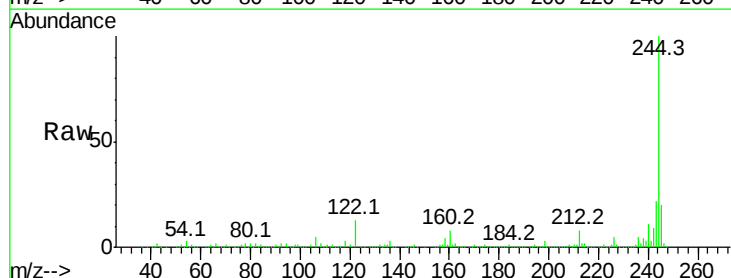


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

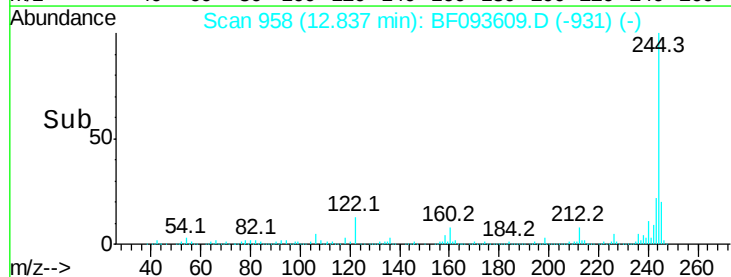
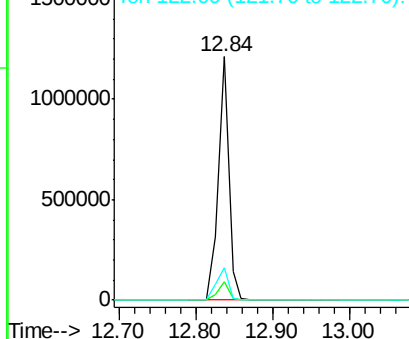


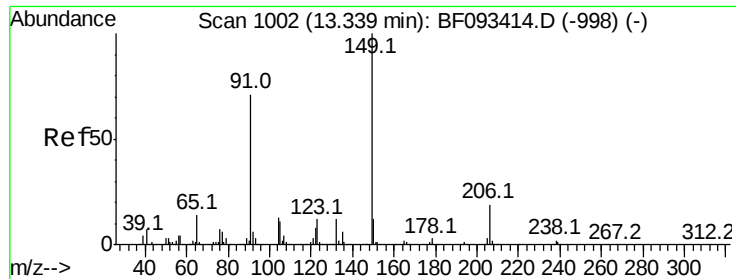
#78
Terphenyl-d14
Concen: 89.20 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion:244 Resp: 1160766
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 13.3 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





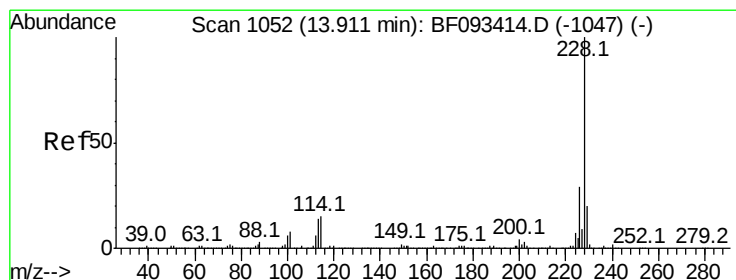
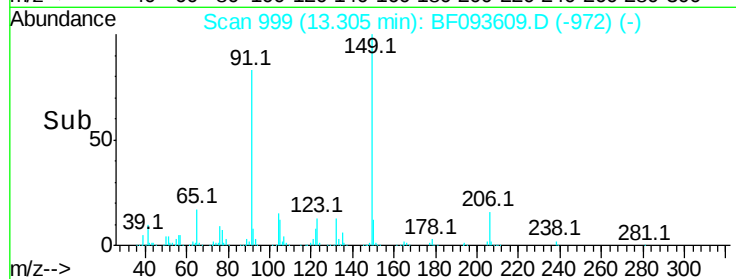
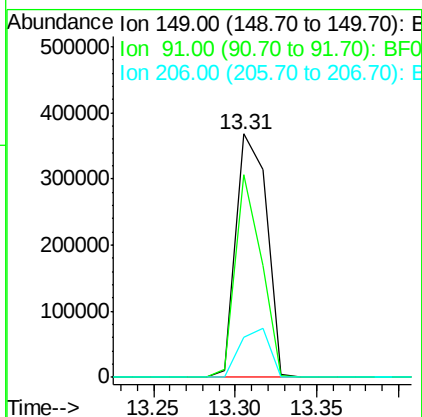
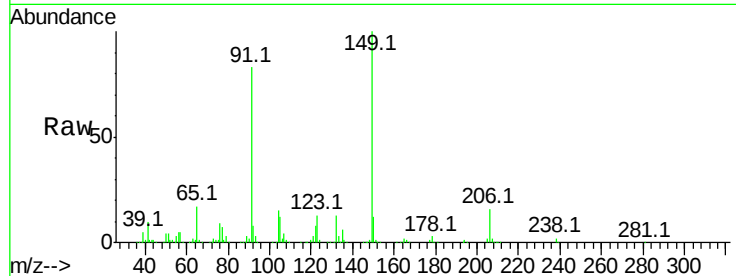
#79
Butylbenzylphthalate
Concen: 46.29 ng
RT: 13.31 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleID :
PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	479510		
91	83.0	63.9	95.9	
206	16.5	14.6	21.8	

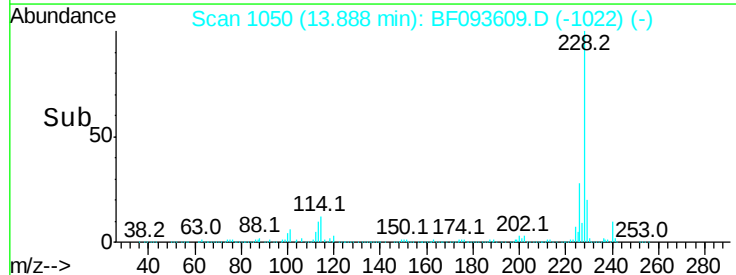
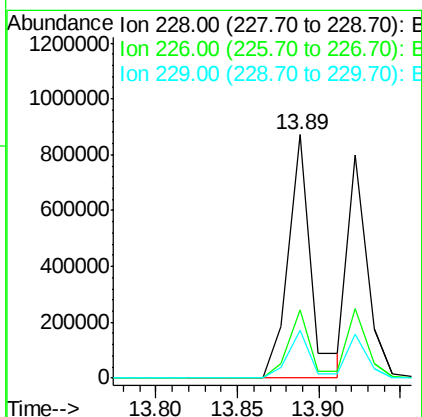
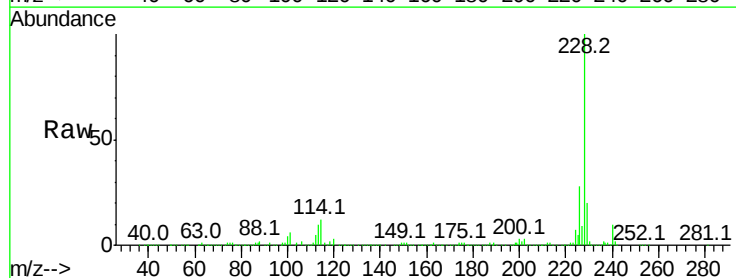
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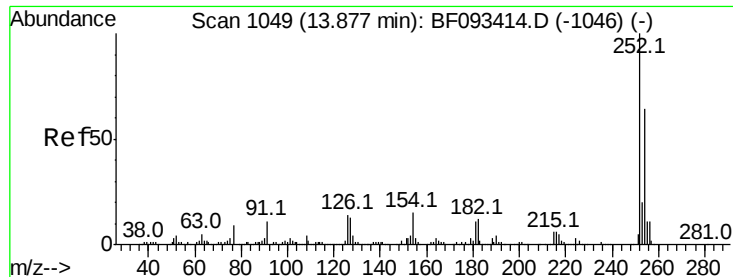
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#80
Benzo(a)anthracene
Concen: 42.49 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	849012		
226	27.9	22.4	33.6	
229	19.6	16.2	24.4	





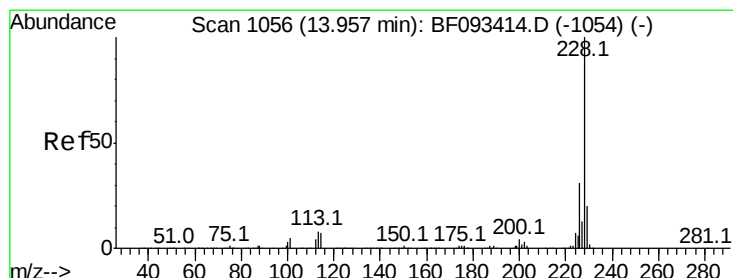
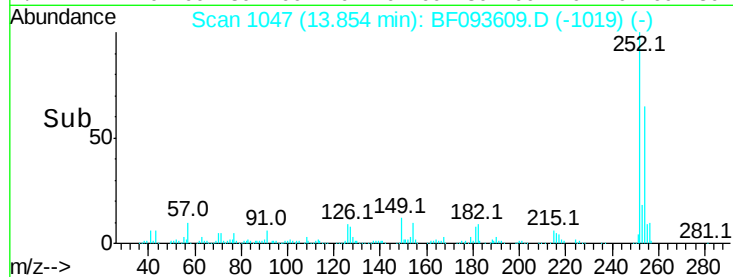
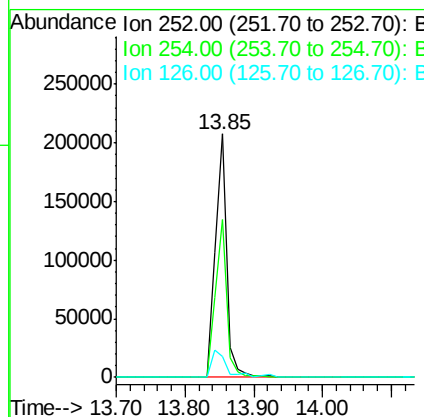
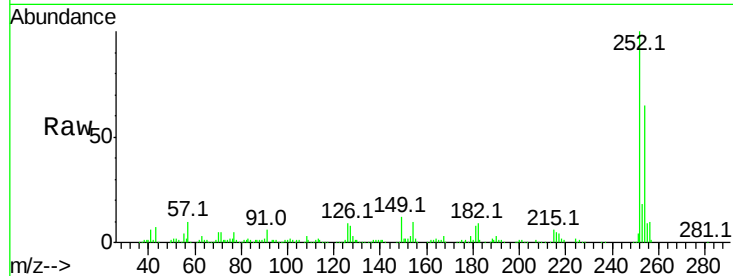
#81
 3,3'-Dichlorobenzidine
 Concen: 35.14 ng
 RT: 13.85 min Scan# 1047
 Delta R.T. 0.02 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampled :
 PB97540BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.8	52.3	78.5
126	8.8	13.6	20.4

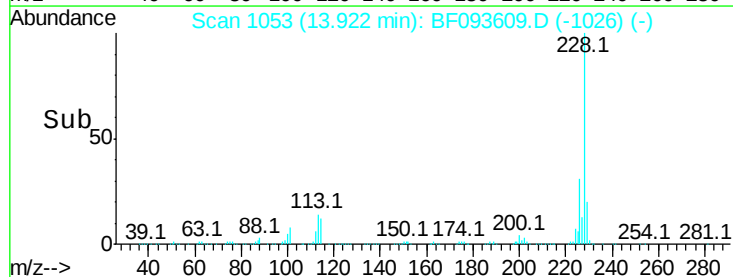
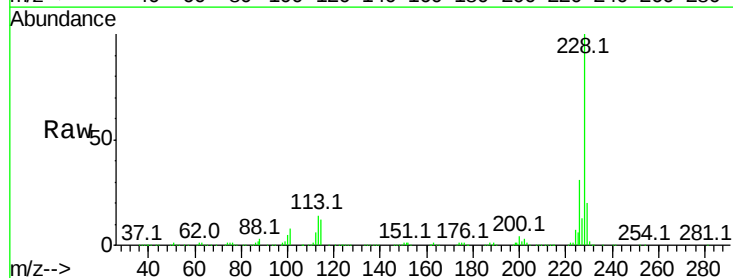
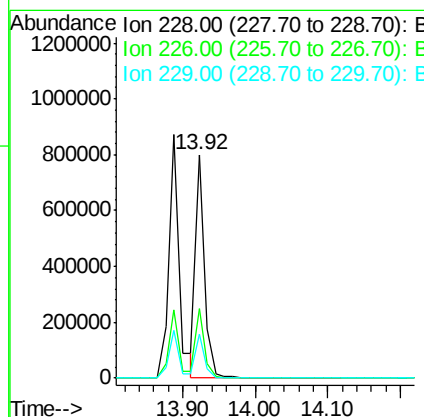
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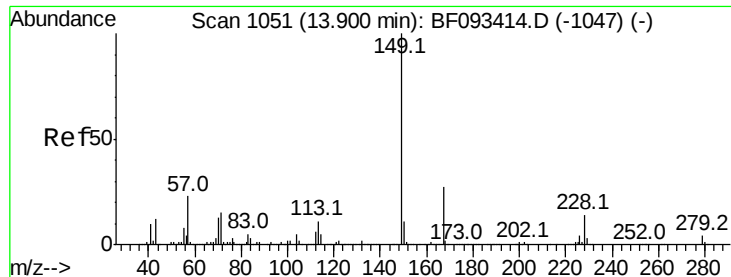
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#82
 Chrysene
 Concen: 37.77 ng
 RT: 13.92 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.2	25.4	38.0
229	19.9	16.2	24.2





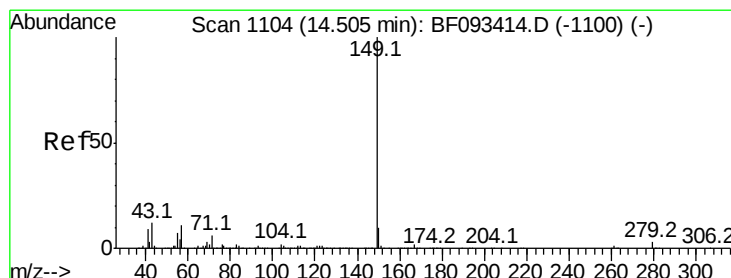
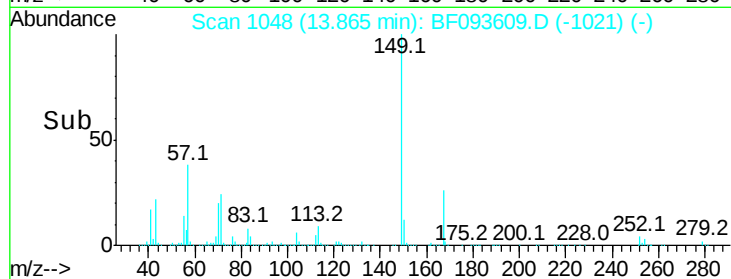
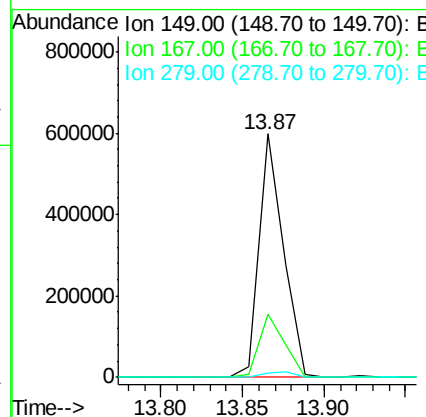
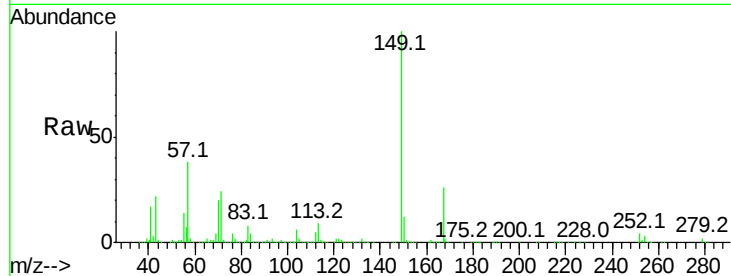
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.07 ng
 RT: 13.87 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	621764		
167	25.7	20.2	30.4	
279	2.0	1.8	2.8	

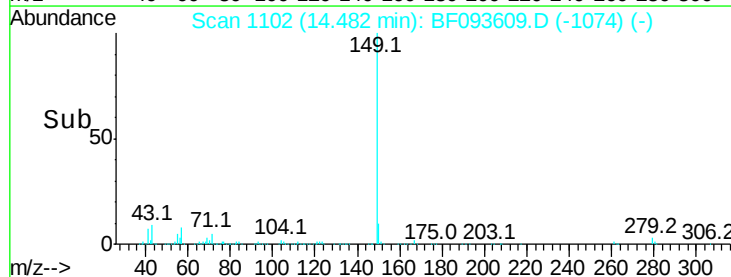
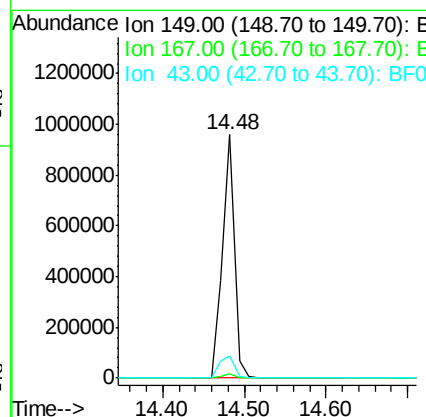
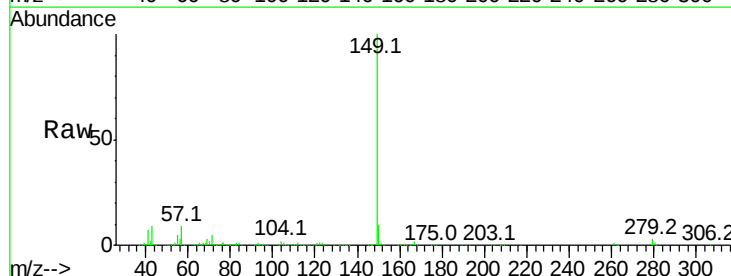
Manual Integrations
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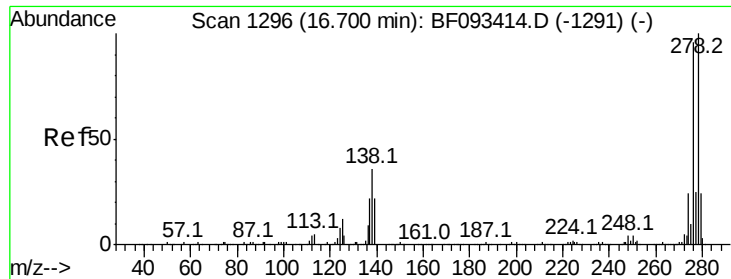
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 40.63 ng
 RT: 14.48 min Scan# 1102
 Delta R.T. 0.02 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	977736		
167	1.5	1.3	1.9	
43	11.4	8.9	13.3	





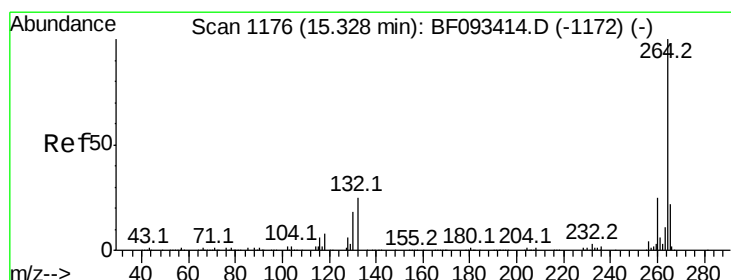
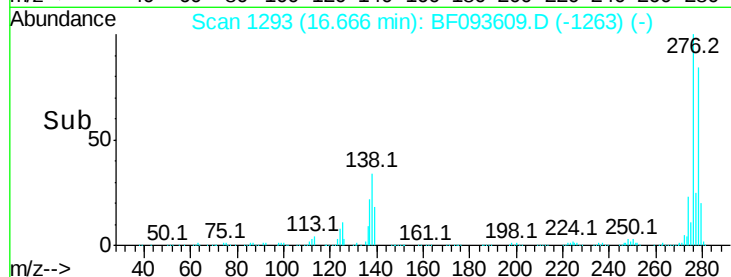
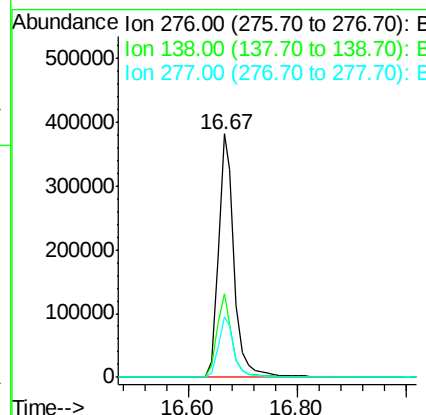
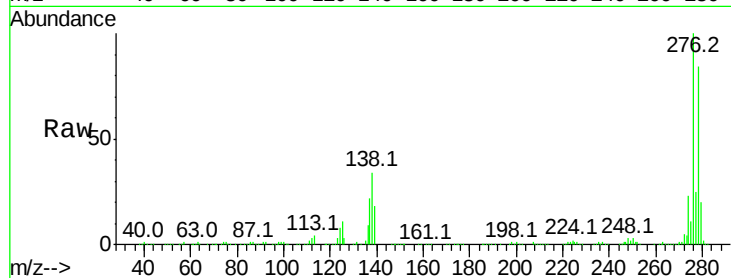
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.61 ng
 RT: 16.67 min Scan# 1293
 Delta R.T. 0.05 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleID :
 PB97540BS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	783060		
138	33.1	21.8	32.6	
277	24.9	20.2	30.4	

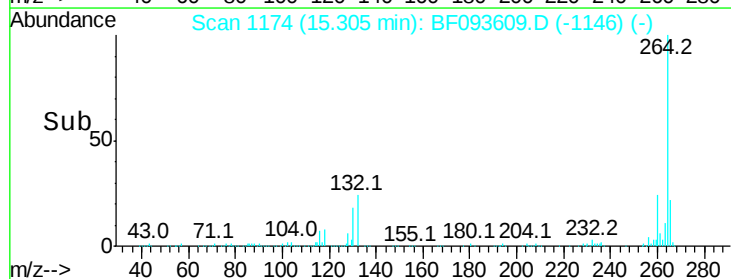
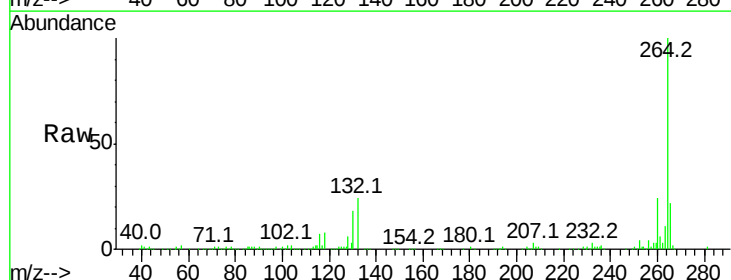
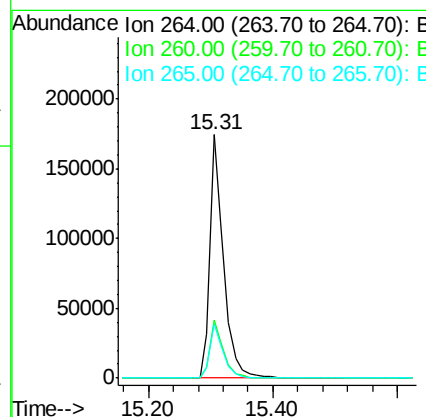
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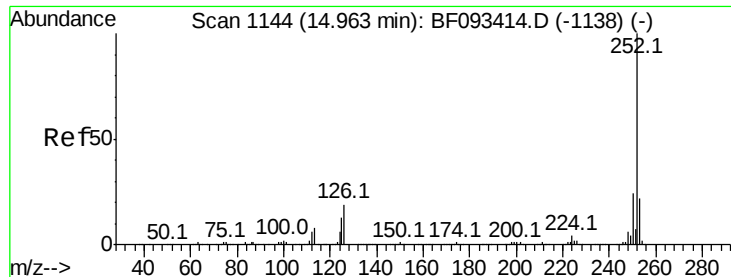
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	265589		
260	23.6	19.2	28.8	
265	22.1	17.4	26.0	





#87

Benzo(b)fluoranthene

Concen: 51.61 ng m

RT: 14.91 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Instrument :

BNA_F

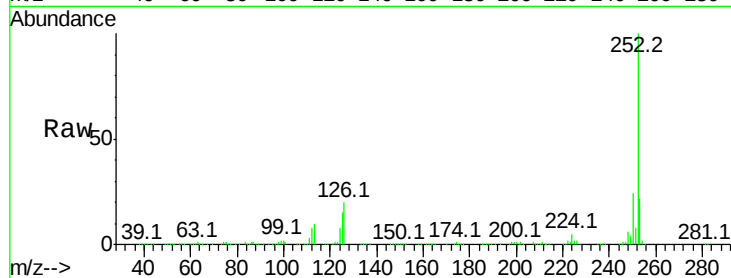
ClientSampleId :

PB97540BS

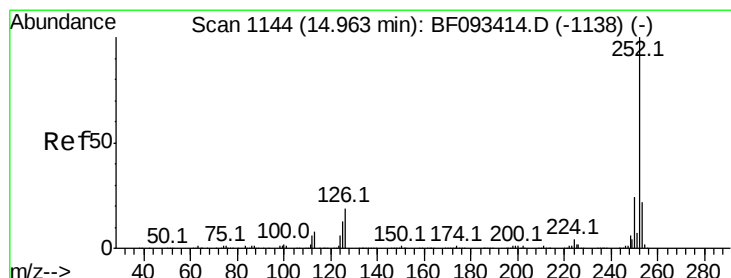
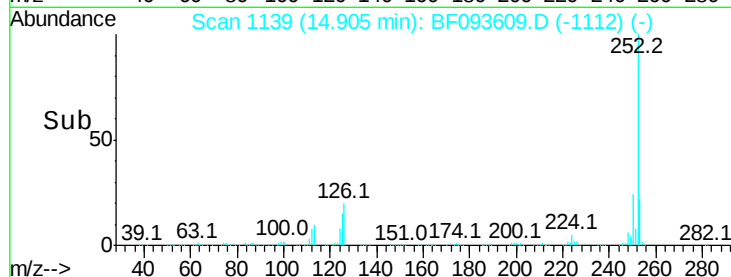
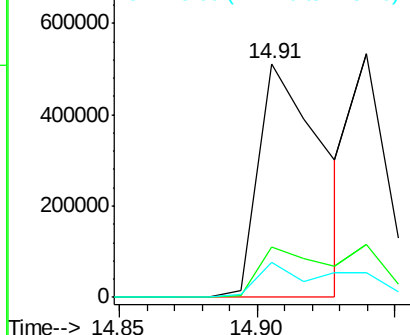
Tot Ion:	252	Resp:	834748
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.4
125	15.1	9.8	14.6

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



#88

Benzo(k)fluoranthene

Concen: 32.03 ng m

RT: 14.94 min Scan# 1142

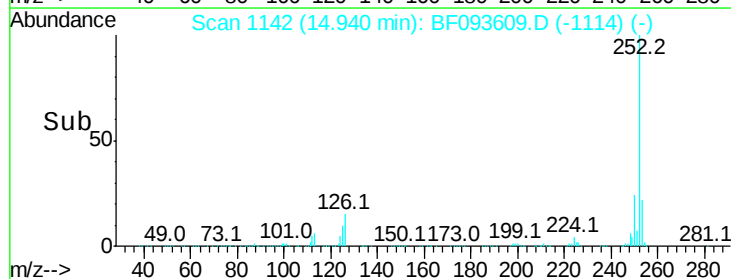
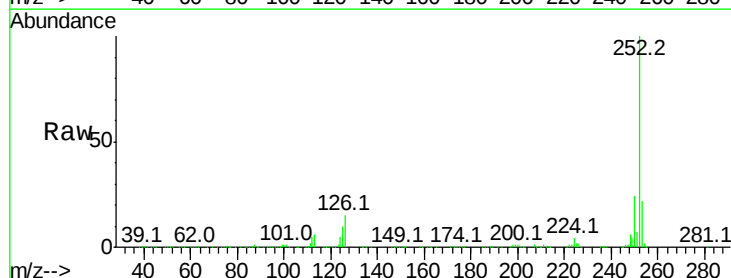
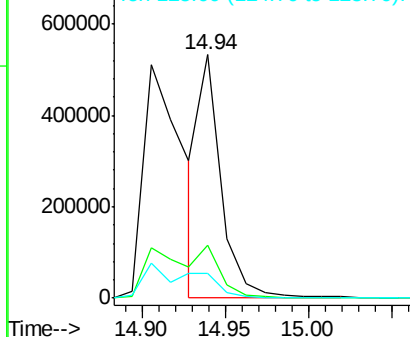
Delta R.T. 0.02 min

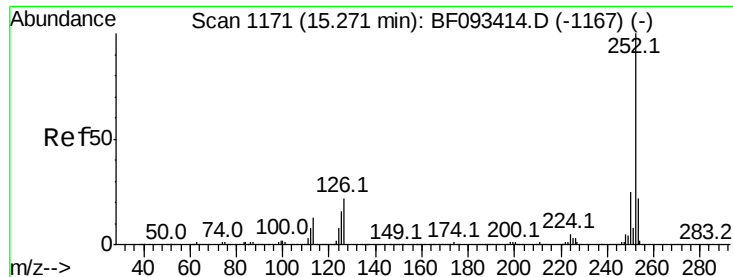
Lab File: BF093609.D

Acq: 13 Mar 2017 16:07

Tgt Ion:	252	Resp:	499646
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.5	27.7
125	10.0	8.9	13.3

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





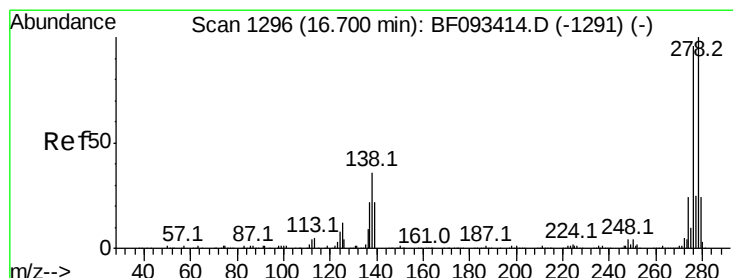
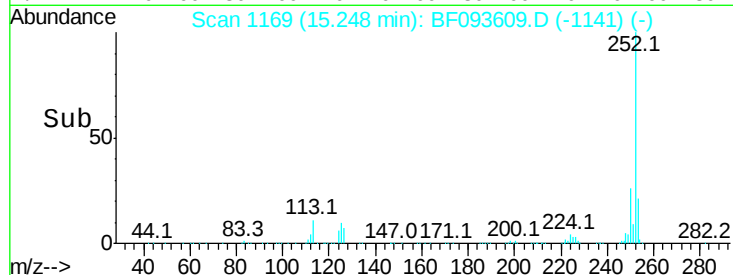
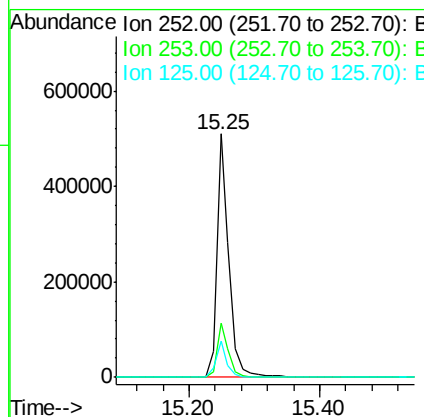
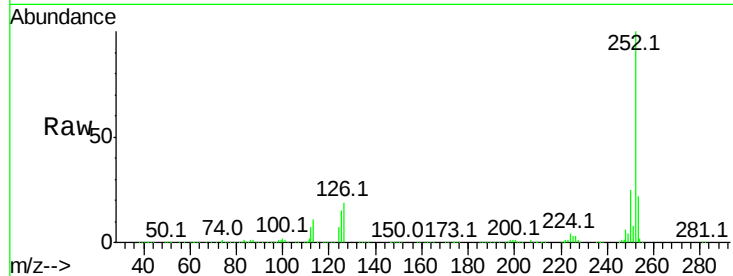
#89
Benzo(a)pyrene
Concen: 44.00 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Instrument :
BNA_F
ClientSampleId :
PB97540BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	14.8	10.0	15.0

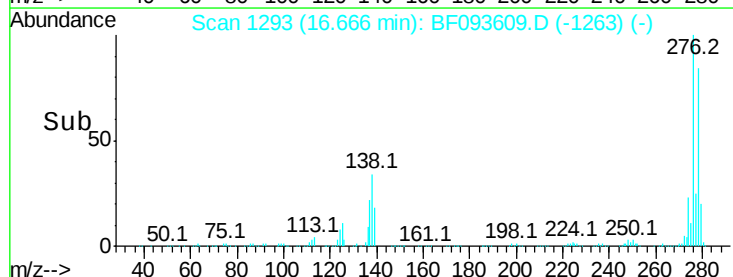
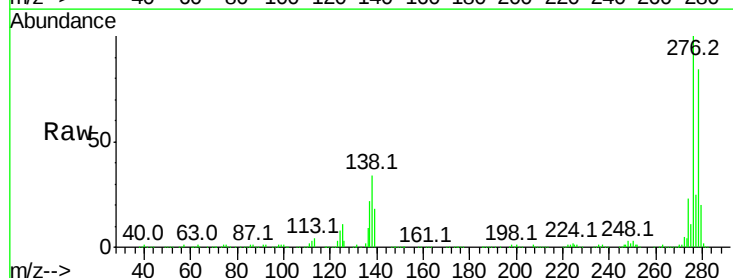
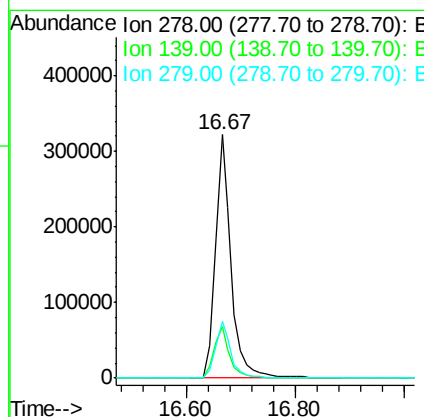
Manual Integrations
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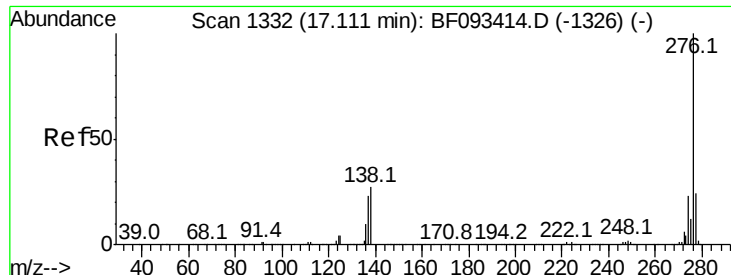
mohammad
3/15/2017 5:38:01 PM



#90
Dibenzo(a,h)anthracene
Concen: 53.75 ng
RT: 16.67 min Scan# 1293
Delta R.T. 0.05 min
Lab File: BF093609.D
Acq: 13 Mar 2017 16:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	14.8	22.2
279	23.3	19.8	29.6





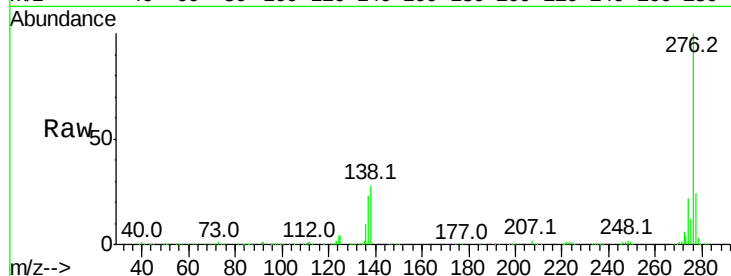
#91
 Benzo(a,h,i)perylene
 Concen: 55.32 ng
 RT: 17.08 min Scan# 1329
 Delta R.T. 0.06 min
 Lab File: BF093609.D
 Acq: 13 Mar 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 PB97540BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	28.3	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:38:01 PM



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

