

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093569.D
 Acq On : 11 Mar 2017 16:09
 Operator : SJ/MA
 Sample : PB97524BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:31:57 PM

Quant Time: Mar 13 15:41:14 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	6.72	152	171846	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	711586	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	342982	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	609821	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	453024	20.00	ng	-0.01
86) Perylene-d12	15.27	264	340583	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1459083	141.31	ng	0.01
7) Phenol-d6	6.39	99	1803552	138.52	ng	0.01
23) Nitrobenzene-d5	7.29	82	1167421	91.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	289534	129.57	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1828720	99.17	ng	0.00
78) Terphenyl-d14	12.83	244	1528602	87.73	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	218251	38.38	ng	# 81
3) Pyridine	2.95	79	638098m	44.01	ng	
4) n-Nitrosodimethylamine	2.93	42	309831	44.74	ng	81
6) Aniline	6.39	93	400688	22.42	ng	# 83
8) 2-Chlorophenol	6.52	128	536577	46.38	ng	95
9) Benzaldehyde	6.29	77	75452	6.77	ng	92
10) Phenol	6.40	94	762461	47.79	ng	# 76
11) bis(2-Chloroethyl)ether	6.46	93	560759	43.49	ng	88
12) 1,3-Dichlorobenzene	6.65	146	572570m	43.24	ng	
13) 1,4-Dichlorobenzene	6.73	146	601553	44.37	ng	98
14) 1,2-Dichlorobenzene	6.89	146	515087	42.90	ng	95
15) Benzyl Alcohol	6.88	79	454091	48.92	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.01	45	909836	42.47	ng	# 41
17) 2-Methylphenol	7.01	107	442974	45.27	ng	# 91
18) Hexachloroethane	7.22	117	211265	46.21	ng	99
19) n-Nitroso-di-n-propylamine	7.14	70	398204	44.48	ng	92
20) 3+4-Methylphenols	7.17	107	631356	49.75	ng	# 75
22) Acetophenone	7.14	105	768711	44.89	ng	# 96
24) Nitrobenzene	7.32	77	659445	45.75	ng	99
25) Isophorone	7.56	82	1194174	46.17	ng	96
26) 2-Nitrophenol	7.64	139	297134	45.18	ng	94
27) 2,4-Dimethylphenol	7.68	122	481370	45.00	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	698595	42.79	ng	97
29) 2,4-Dichlorophenol	7.89	162	457135	45.42	ng	93
30) 1,2,4-Trichlorobenzene	7.96	180	463001	43.26	ng	98
31) Naphthalene	8.02	128	1469348	41.20	ng	99
32) Benzoic acid	7.85	122	311920	56.11	ng	94
33) 4-Chloroaniline	8.09	127	270937	18.72	ng	# 91
34) Hexachlorobutadiene	8.14	225	238467	43.25	ng	100
35) Caprolactam	8.47	113	161493m	46.98	ng	
36) 4-Chloro-3-methylphenol	8.60	107	488873	45.51	ng	95
37) 2-Methylnaphthalene	8.72	142	1029605	45.38	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	418877	44.73	ng	98
40) Hexachlorocyclopentadiene	8.87	237	261766	106.12	ng	99

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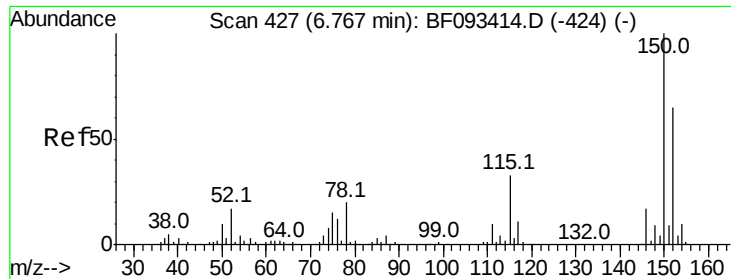
Manual Integrations
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Quant Time: Mar 13 15:41:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	303518	51.87	nq	92
43) 2,4,5-Trichlorophenol	9.06	196	299340	47.68	nq #	89
45) 1,1'-Biphenyl	9.18	154	1139662	45.61	nq	96
46) 2-Chloronaphthalene	9.20	162	922025	48.21	nq	93
47) 2-Nitroaniline	9.32	65	357847	52.93	nq #	84
48) Acenaphthylene	9.61	152	1432688	45.42	nq	99
49) Dimethylphthalate	9.49	163	1083526	47.65	nq	99
50) 2,6-Dinitrotoluene	9.57	165	245654	49.24	nq #	86
51) Acenaphthene	9.78	154	831239	44.57	nq	95
52) 3-Nitroaniline	9.74	138	151087	25.21	nq	90
53) 2,4-Dinitrophenol	9.86	184	165094	72.66	nq #	75
54) Dibenzofuran	9.97	168	1303076	55.82	nq	95
55) 4-Nitrophenol	9.93	139	279400m	95.97	nq	
56) 2,4-Dinitrotoluene	9.98	165	323818	52.83	nq #	76
57) Fluorene	10.31	166	957030	48.38	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.09	232	247917	55.95	nq	99
59) Diethylphthalate	10.18	149	997010	45.88	nq	99
60) 4-Chlorophenyl-phenylether	10.30	204	463191	52.24	nq #	79
61) 4-Nitroaniline	10.36	138	250655	40.89	nq	98
62) Azobenzene	10.46	77	1447870	58.63	nq	95
64) 4,6-Dinitro-2-methylphenol	10.39	198	157536	39.87	nq #	69
65) n-Nitrosodiphenylamine	10.42	169	913219	44.85	nq	99
66) 4-Bromophenyl-phenylether	10.78	248	261251	40.51	nq #	88
67) Hexachlorobenzene	10.86	284	253086	41.10	nq #	91
68) Atrazine	10.95	200	249668	41.89	nq	98
69) Pentachlorophenol	11.06	266	160981	75.72	nq	97
70) Phenanthrene	11.27	178	1464816	42.08	nq	98
71) Anthracene	11.32	178	1405885	39.93	nq	99
72) Carbazole	11.48	167	1333537	40.31	nq	99
73) Di-n-butylphthalate	11.81	149	1725849	45.10	nq #	96
74) Fluoranthene	12.45	202	1394190	41.47	nq	97
76) Benzidine	12.59	184	386518	25.95	nq	96
77) Pyrene	12.68	202	1358505	41.23	nq	100
79) Butylbenzylphthalate	13.29	149	683477	49.28	nq	100
80) Benzo(a)anthracene	13.87	228	1139962	42.61	nq	100
81) 3,3'-Dichlorobenzidine	13.83	252	260933	27.85	nq #	98
82) Chrysene	13.91	228	1131835	45.73	nq	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	962674	49.80	nq #	96
84) Di-n-octyl phthalate	14.46	149	1472361	45.70	nq	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	833662	40.24	nq #	94
87) Benzo(b)fluoranthene	14.88	252	1256025m	60.55	nq	
88) Benzo(k)fluoranthene	14.92	252	581129m	29.05	nq	
89) Benzo(a)pyrene	15.23	252	865451	45.65	nq	97
90) Dibenzo(a,h)anthracene	16.62	278	695889	44.37	nq	97
91) Benzo(g,h,i)perylene	17.02	276	727104	45.17	nq #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

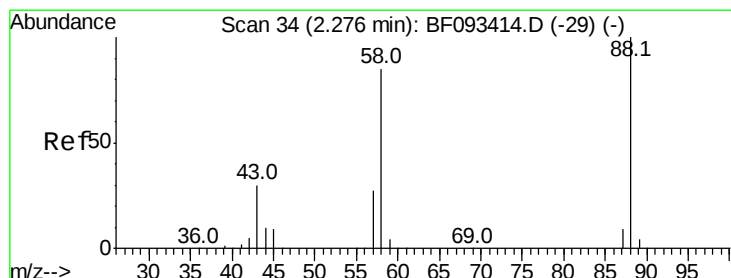
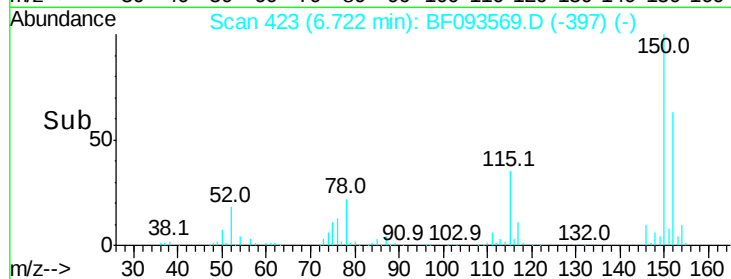
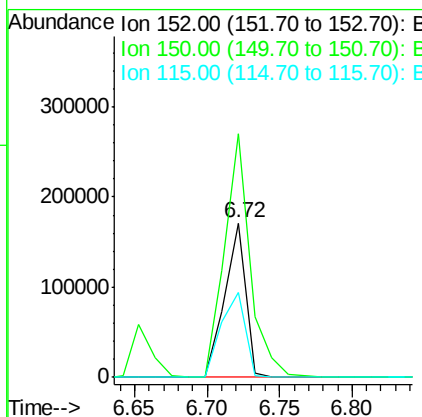
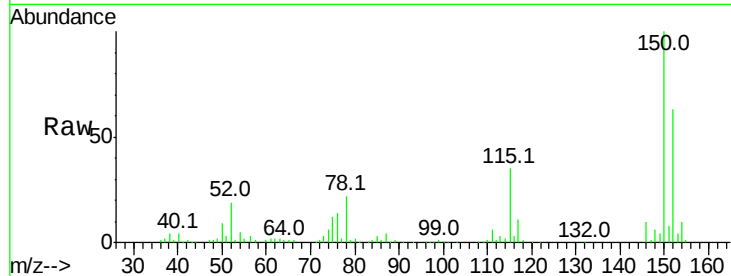
ClientSampleId :

PB97524BS

Tot Ion:	152	Resp:	171846
Ion Ratio	Lower	Upper	
152	100		
150	158.1	124.9	187.3
115	54.9	46.0	69.0

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#2

1,4-Dioxane

Concen: 38.38 ng

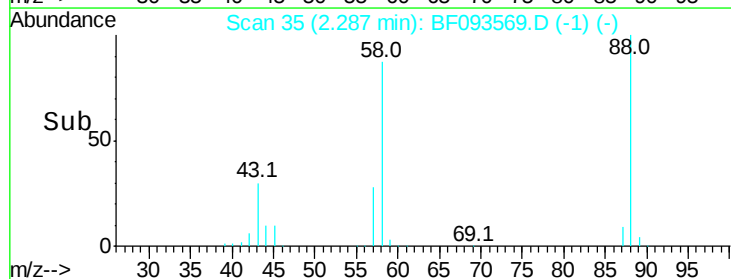
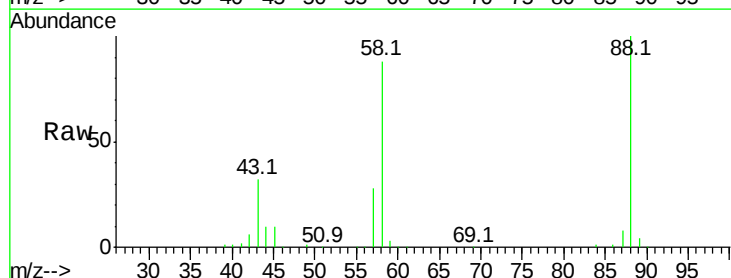
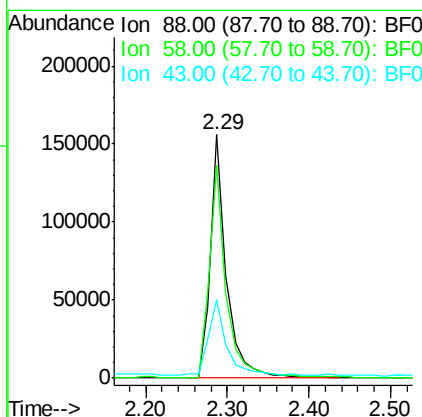
RT: 2.29 min Scan# 35

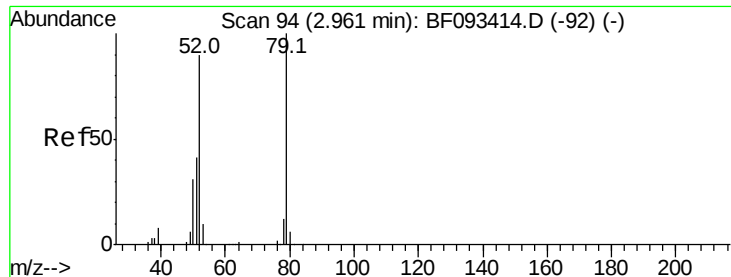
Delta R.T. 0.10 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion:	88	Resp:	218251
Ion Ratio	Lower	Upper	
88	100		
58	90.9	57.8	86.8#
43	34.0	22.3	33.5#





#3

Pvridine

Concen: 44.01 ng/ml

RT: 2.95 min Scan# 93

Delta R.T. 0.09 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion: 79 Resp: 638098

Ion Ratio Lower Upper

79 100

52 83.7 57.1 85.7

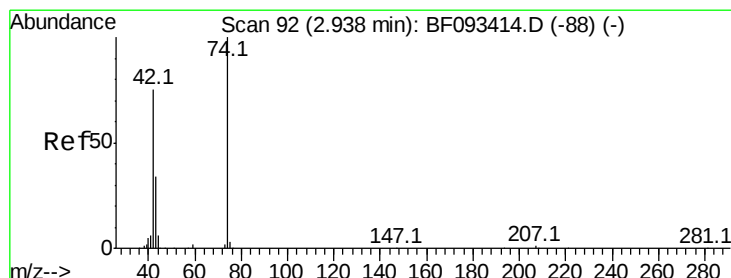
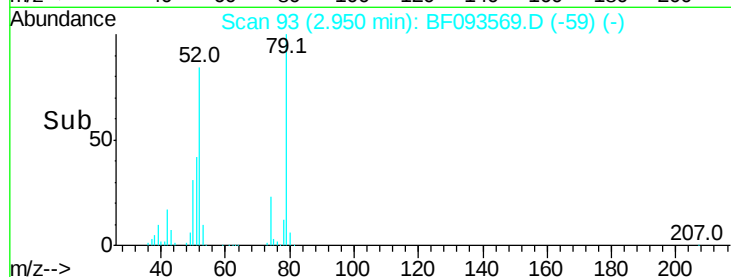
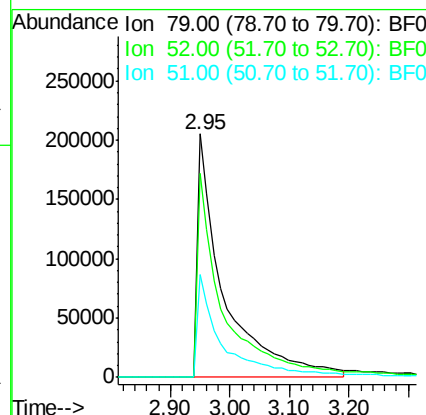
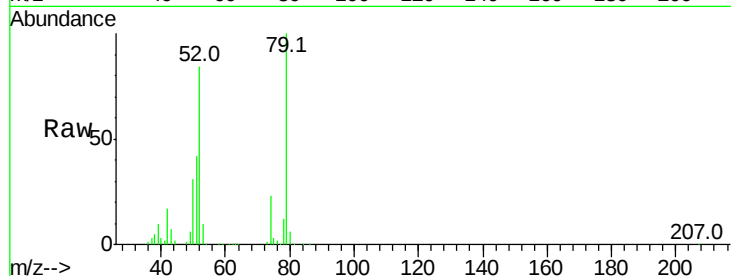
51 42.4 27.3 40.9#

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#4

n-Nitrosodimethylamine

Concen: 44.74 ng/ml

RT: 2.93 min Scan# 91

Delta R.T. 0.09 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

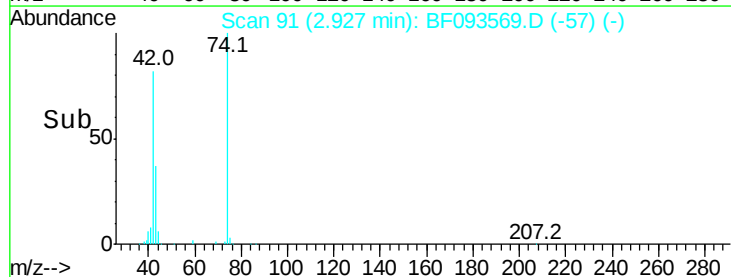
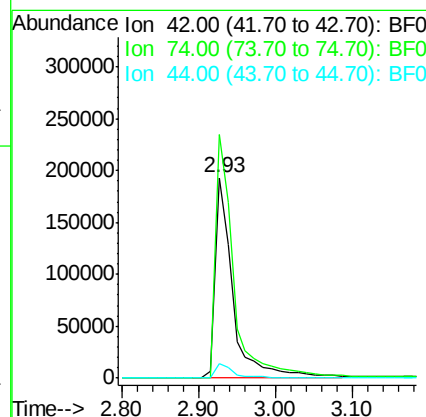
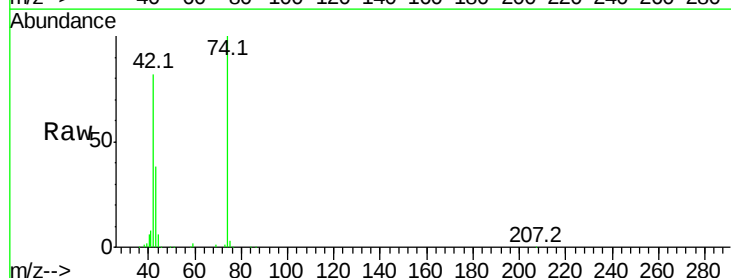
Tgt Ion: 42 Resp: 309831

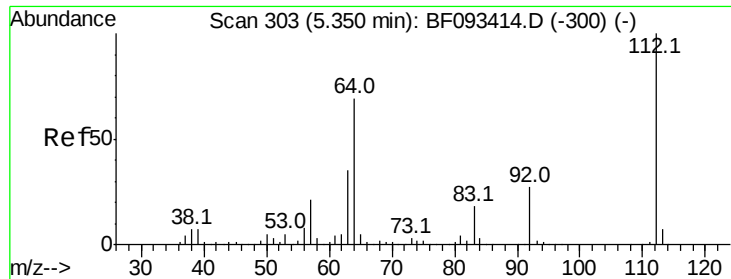
Ion Ratio Lower Upper

42 100

74 121.7 117.0 175.4

44 7.3 5.5 8.3





#5

2-Fluorophenol

Concen: 141.31 ng

RT: 5.33 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion:112 Resp: 1459083

Ion Ratio Lower Upper

112 100

64 61.9 46.1 69.1

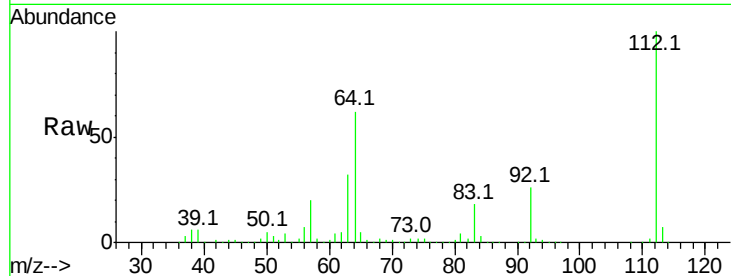
63 32.3 23.8 35.6

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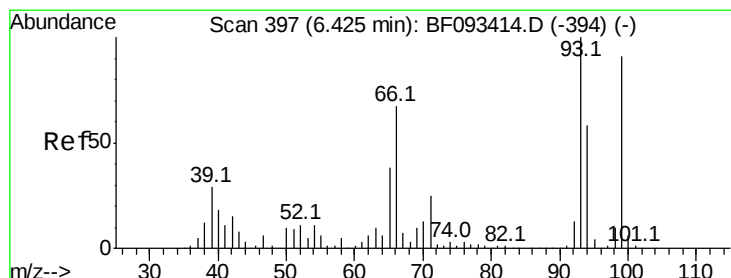
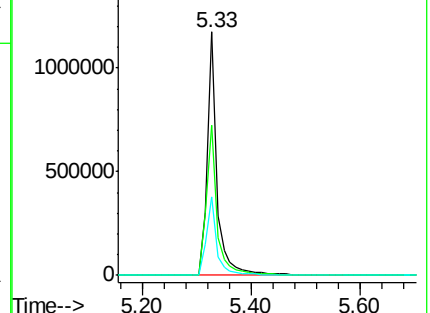
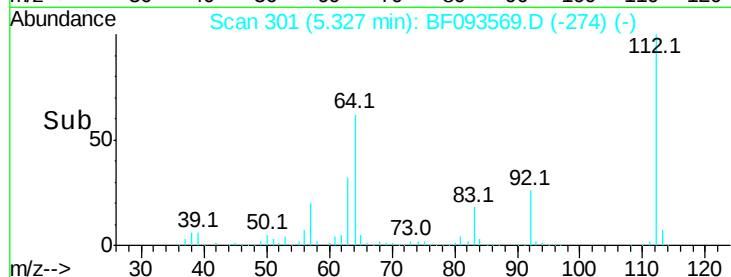
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.42 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

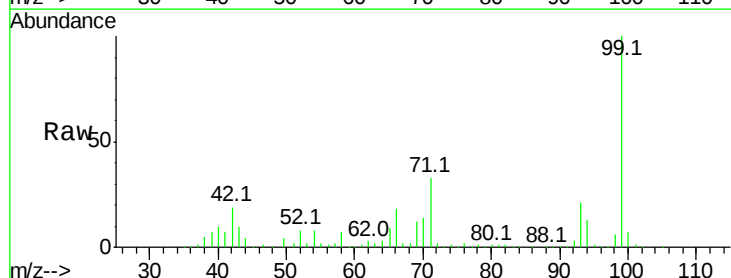
Tgt Ion: 93 Resp: 400688

Ion Ratio Lower Upper

93 100

66 85.8 76.2 114.2

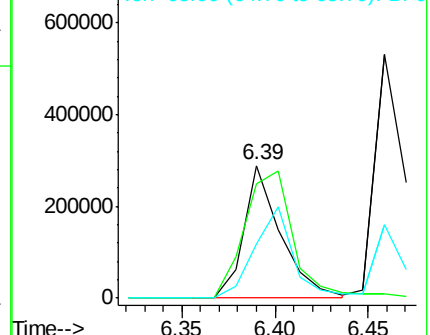
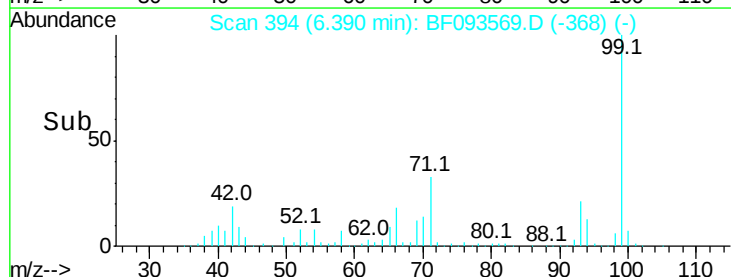
65 40.5 49.3 73.9#

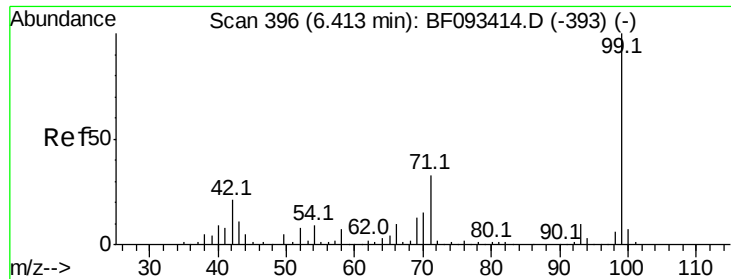


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.52 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion: 99 Resp: 1803552

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

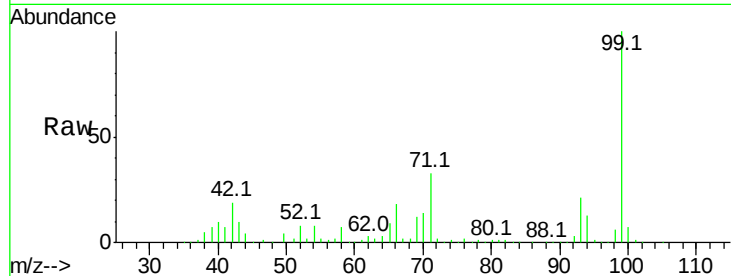
71 33.0 27.5 41.3

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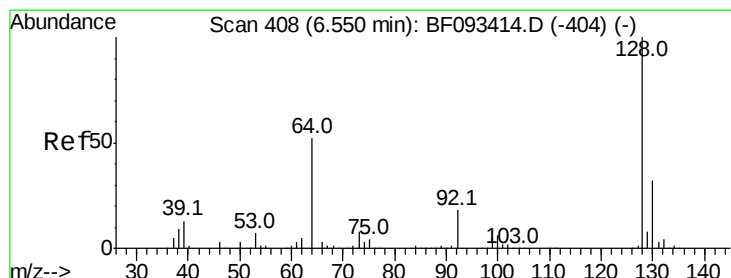
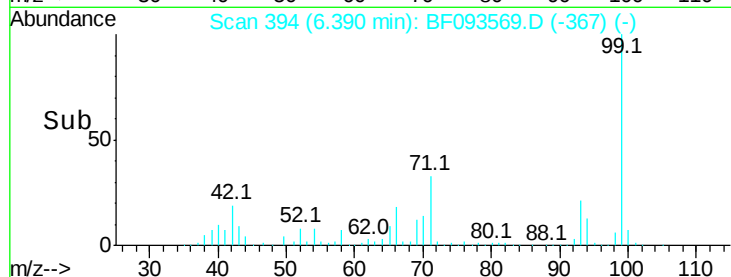
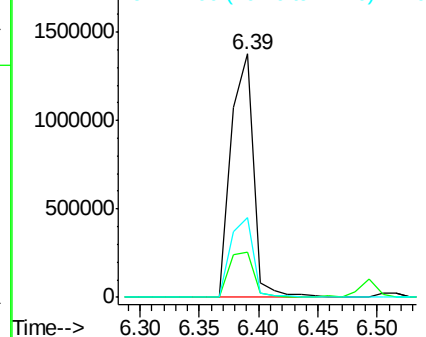
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 46.38 ng

RT: 6.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

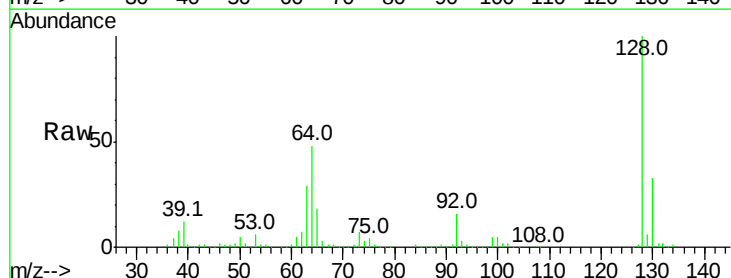
Tgt Ion:128 Resp: 536577

Ion Ratio Lower Upper

128 100

130 33.3 12.3 52.3

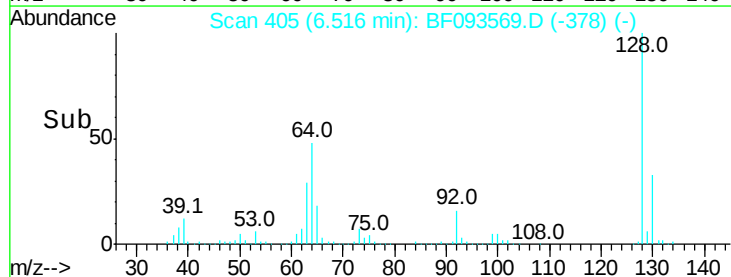
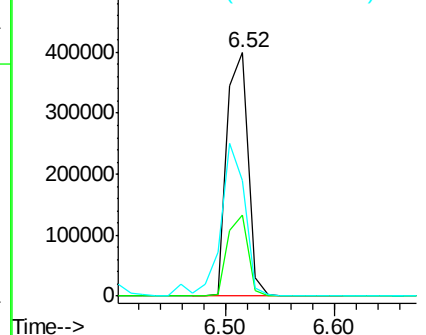
64 47.7 32.2 72.2



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: 6.77 ng

RT: 6.29 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

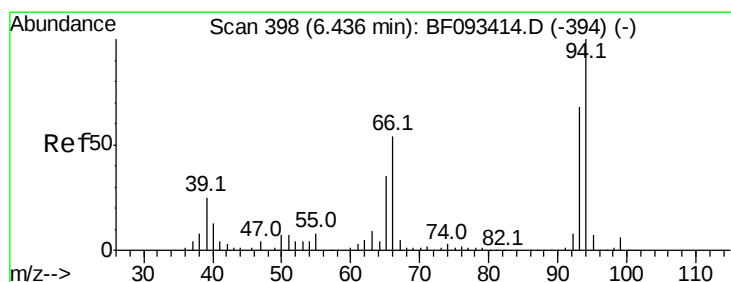
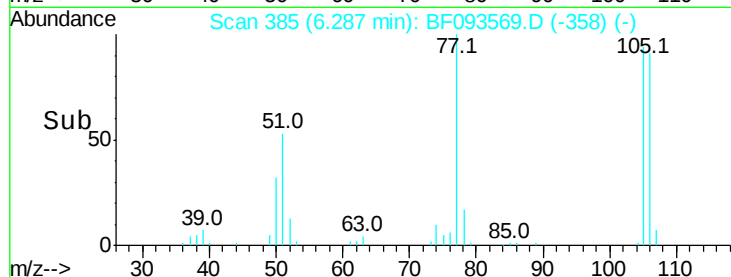
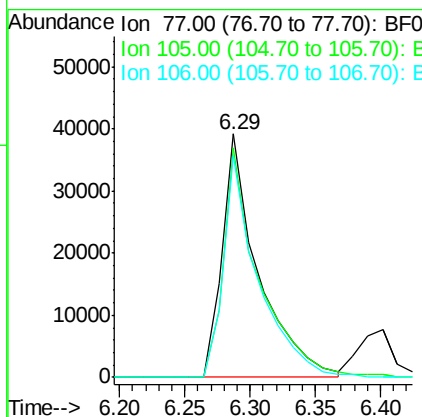
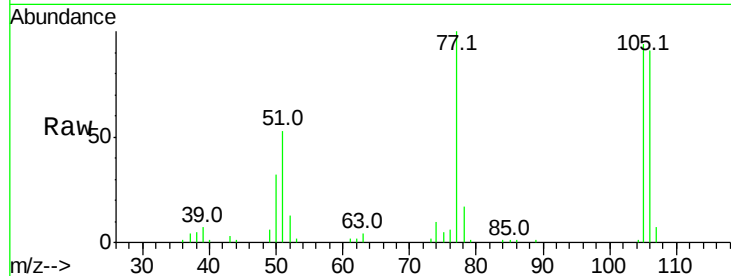
ClientSampled :

PB97524BS

Tot Ion:	77	Resp:	75452
Ion	Ratio	Lower	Upper
77	100		
105	94.3	83.9	123.9
106	91.4	77.6	117.6

Manual Integrations
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#10

Phenol

Concen: 47.79 ng

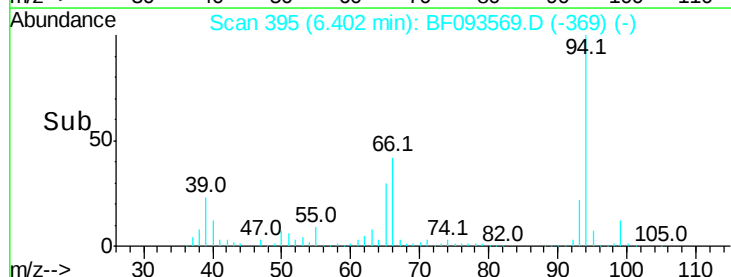
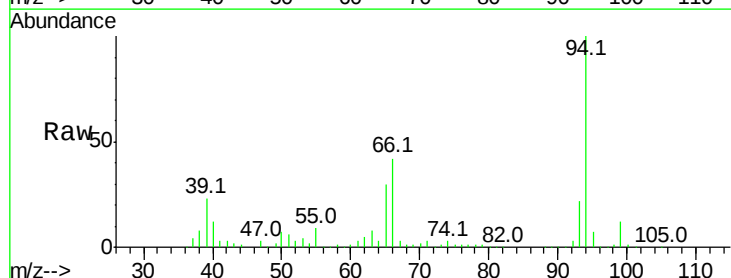
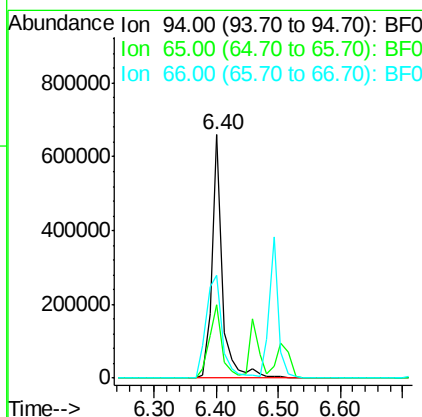
RT: 6.40 min Scan# 395

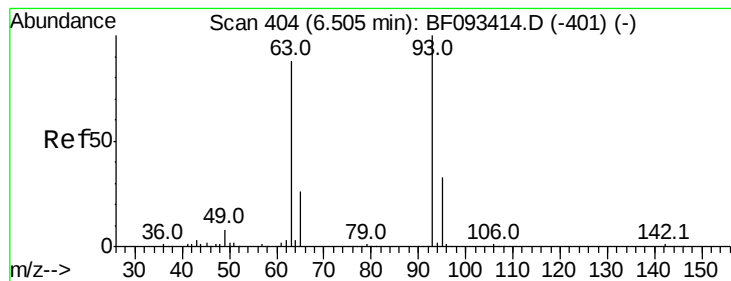
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion:	94	Resp:	762461
Ion	Ratio	Lower	Upper
94	100		
65	30.1	21.4	61.4
66	42.2	44.0	84.0#





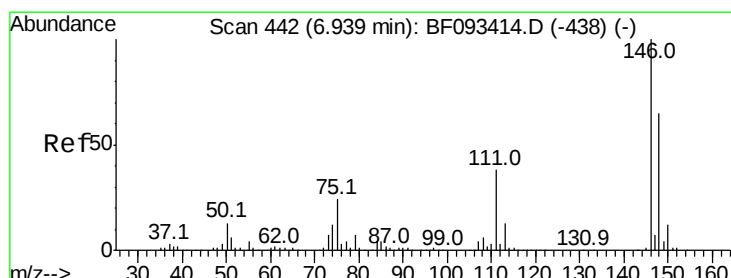
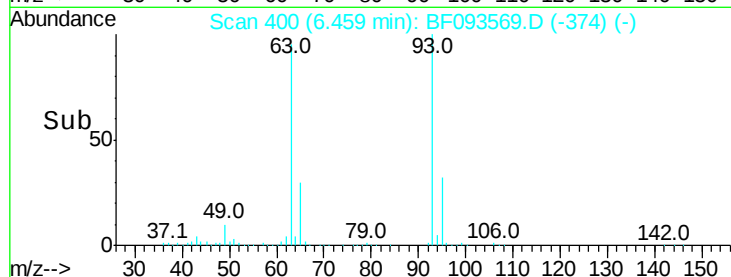
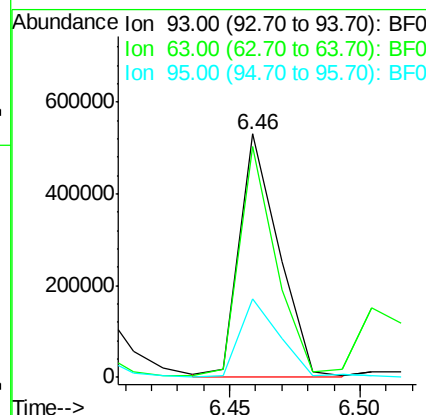
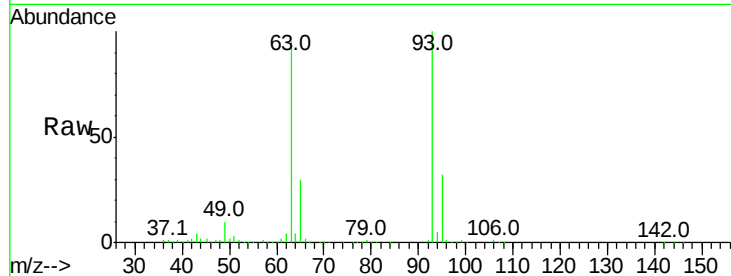
#11
bis(2-Chloroethyl)ether
Concen: 43.49 ng
RT: 6.46 min Scan# 400
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	94.9	60.4	100.4
95	32.2	12.8	52.8

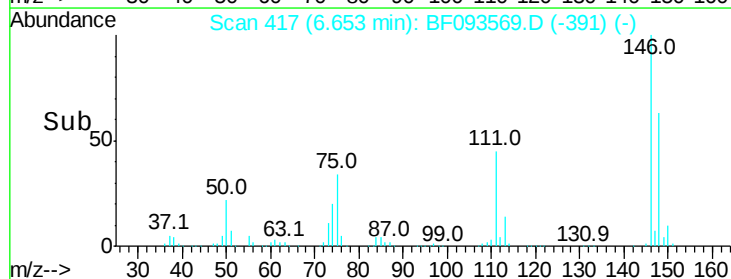
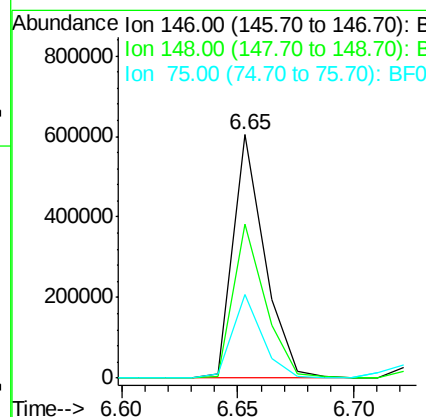
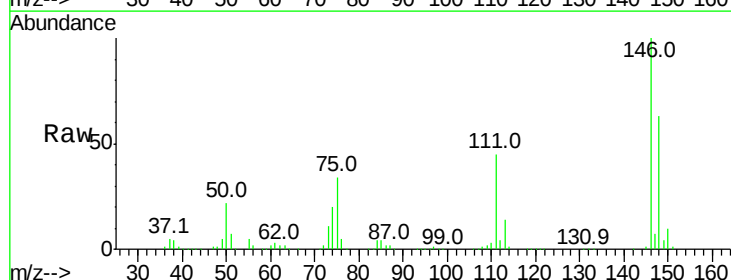
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#12
1,3-Dichlorobenzene
Concen: 43.24 ng m
RT: 6.65 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	63.4	53.4	80.0
75	34.3	18.5	27.7





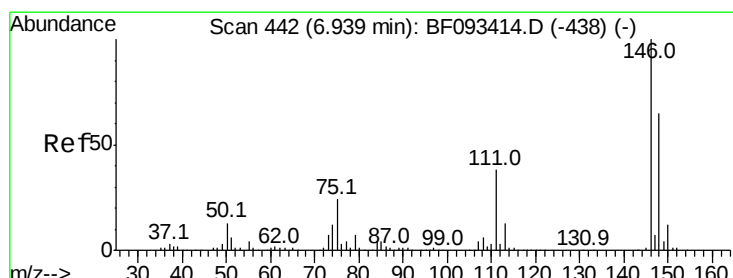
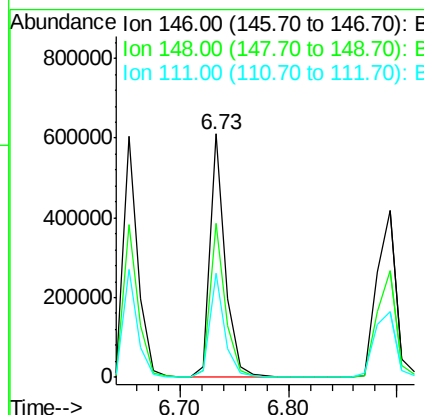
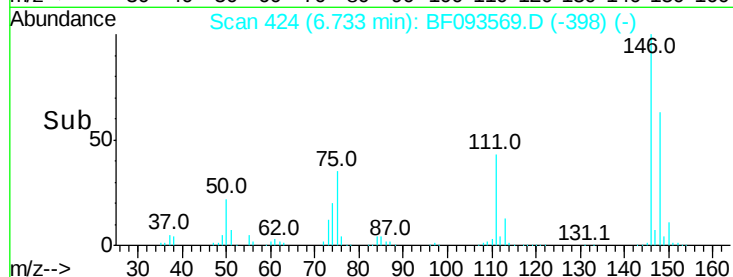
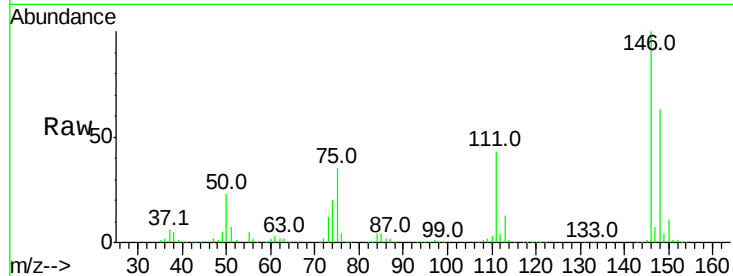
#13
 1,4-Dichlorobenzene
 Concen: 44.37 ng
 RT: 6.73 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	76.0
111	42.5	36.2	54.4

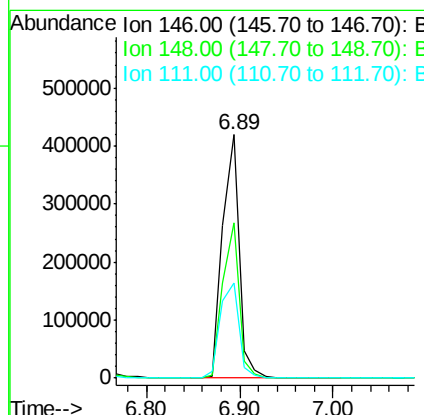
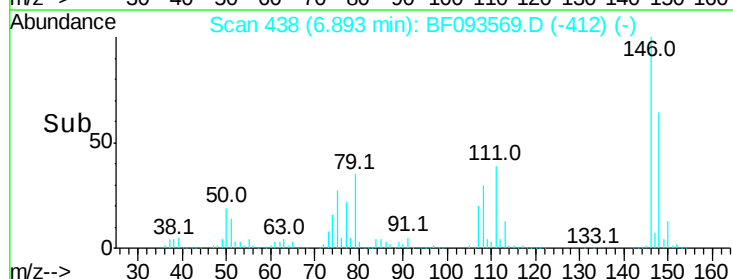
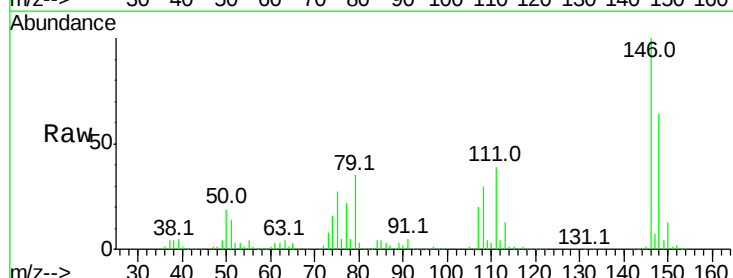
Manual Integrations
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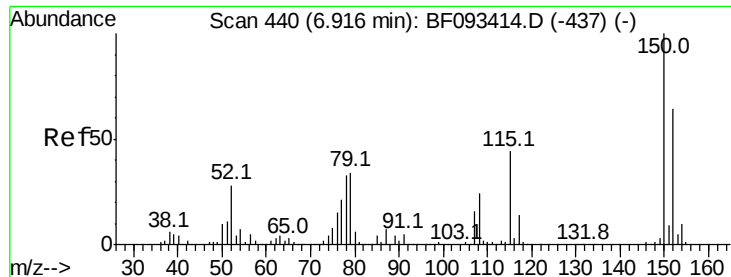
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#14
 1,2-Dichlorobenzene
 Concen: 42.90 ng
 RT: 6.89 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	39.2	36.2	54.2





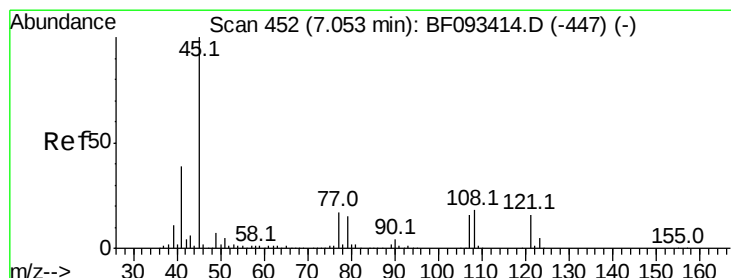
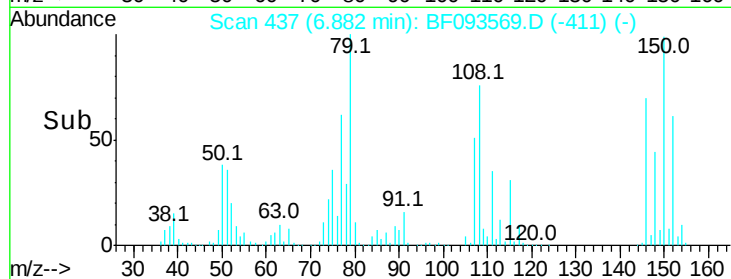
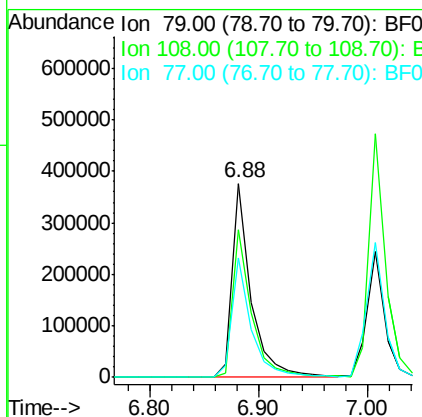
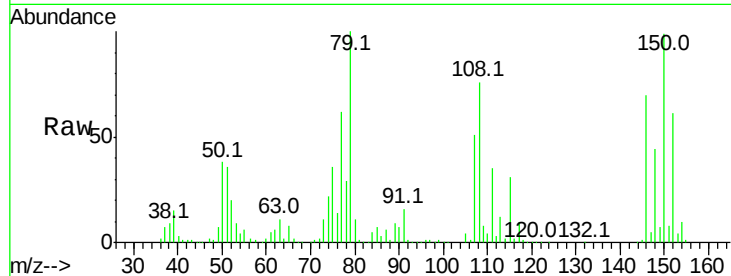
#15
Benzyl Alcohol
Concen: 48.92 ng
RT: 6.88 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.4	92.0
77	61.6	50.9	76.3

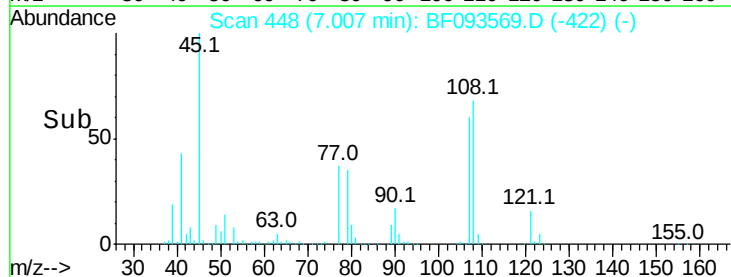
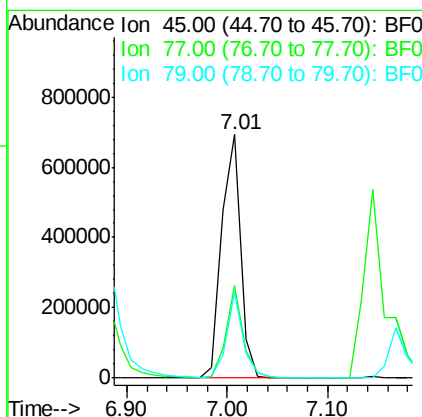
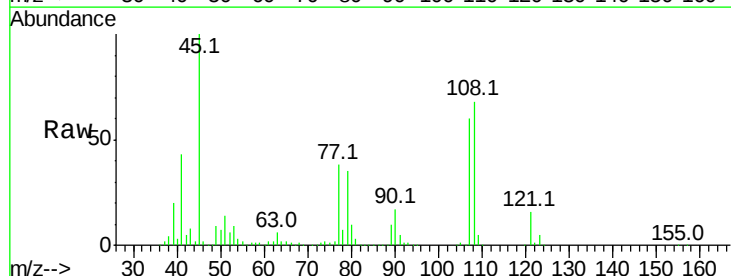
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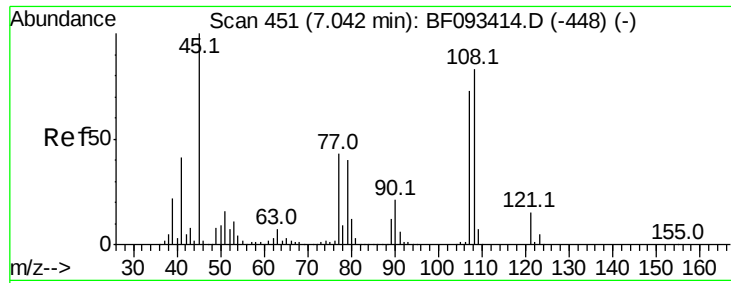
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.47 ng
RT: 7.01 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
45	100		
77	37.8	0.0	34.6#
79	35.2	0.0	31.2#





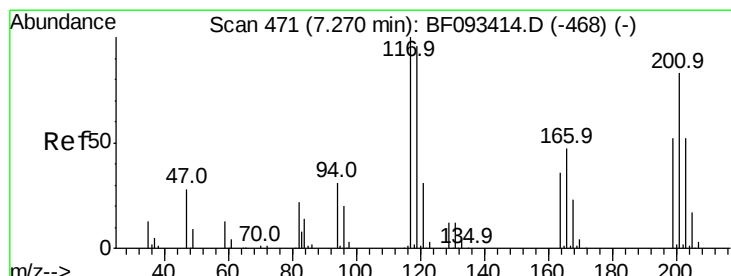
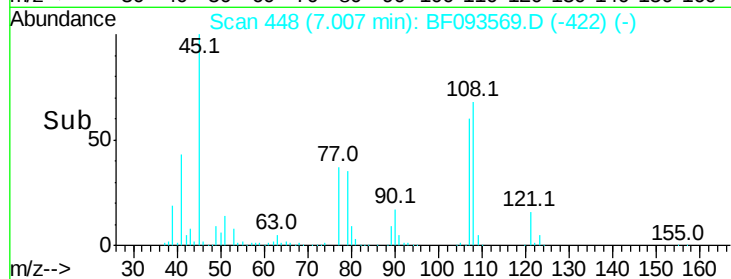
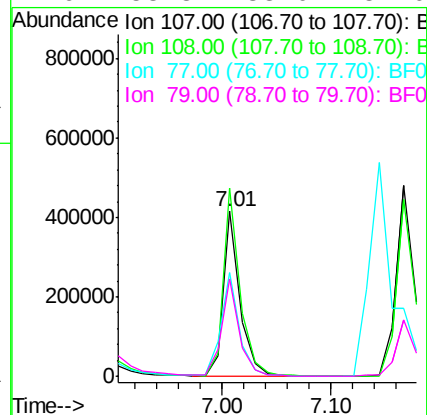
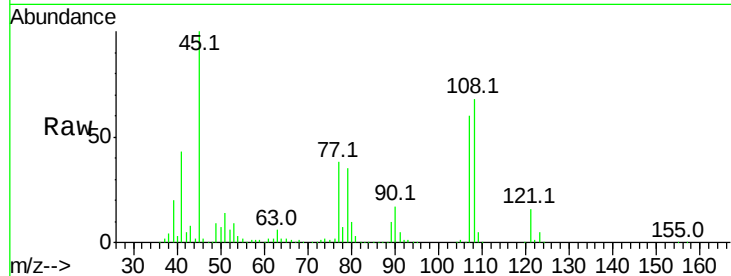
#17
2-Methylphenol
Concen: 45.27 ng
RT: 7.01 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	442974		
108	114.0	93.0	139.6	
77	63.2	39.8	59.8	
79	58.8	38.0	57.0	

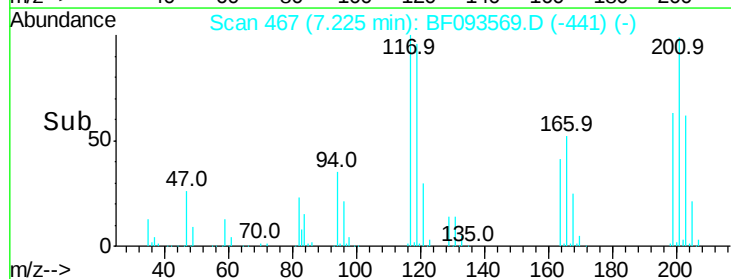
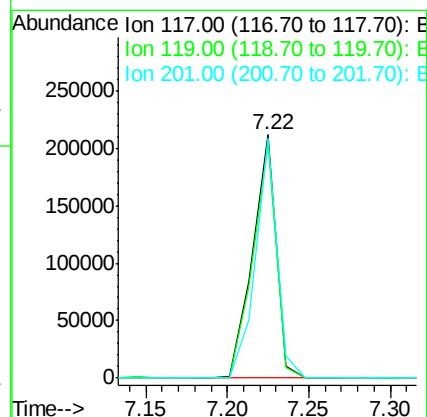
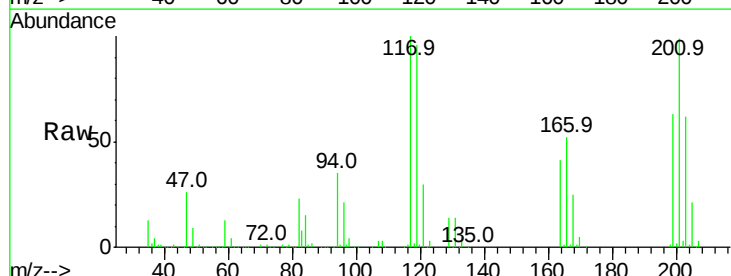
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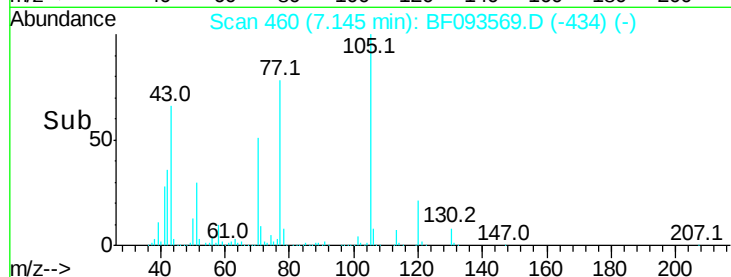
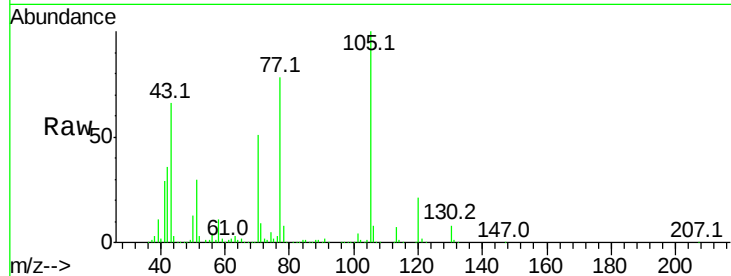
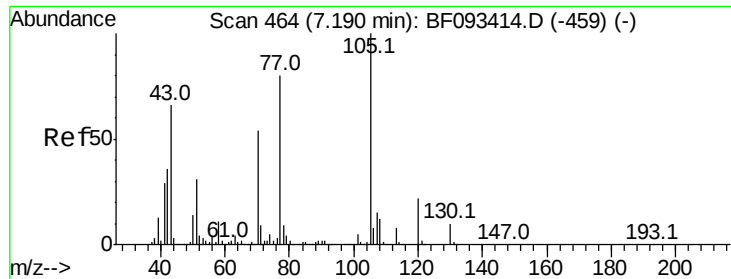
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#18
Hexachloroethane
Concen: 46.21 ng
RT: 7.22 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	211265		
119	96.3	78.1	117.1	
201	98.5	78.6	117.8	





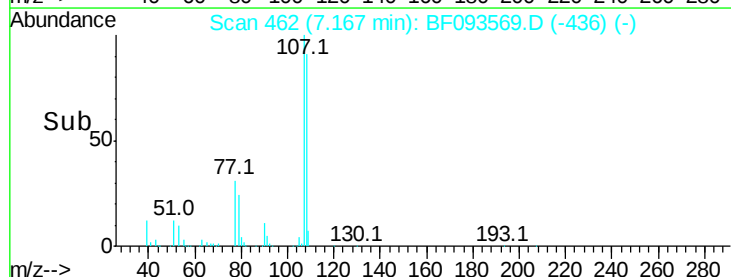
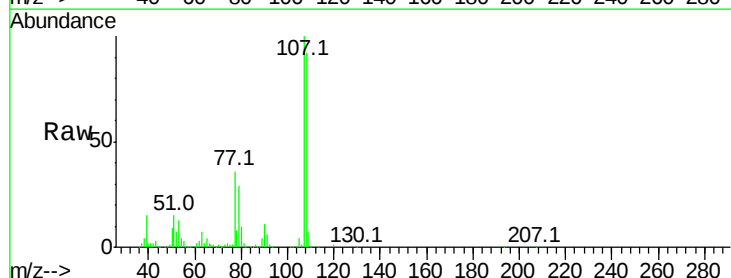
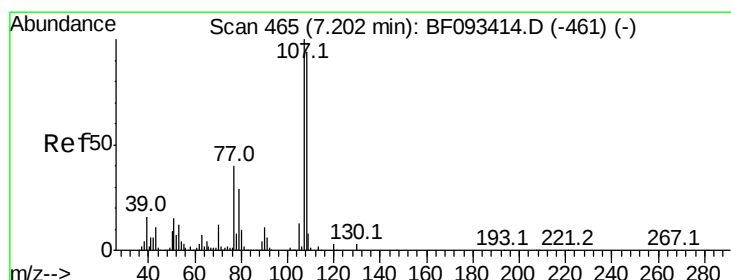
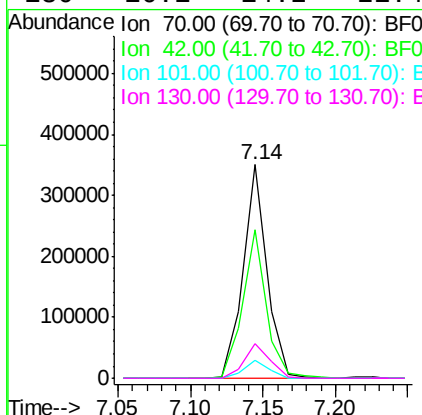
#19
n-Nitroso-di-n-propylamine
Concen: 44.48 ng
RT: 7.14 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleID :
PB97524BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.6	49.4	74.0
101	8.5	7.4	11.2
130	16.1	14.2	21.4

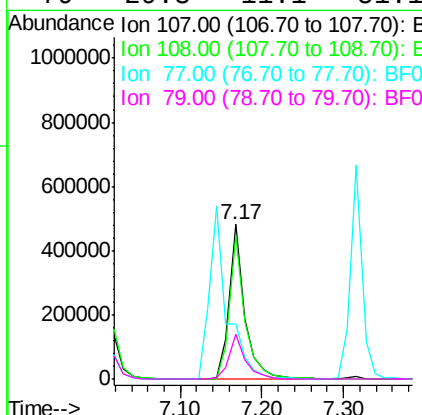
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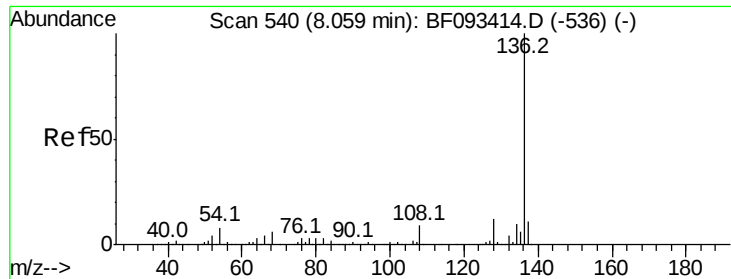
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#20
3+4-Methylphenols
Concen: 49.75 ng
RT: 7.17 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.5	73.0	113.0
77	35.8	71.3	111.3
79	29.3	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: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

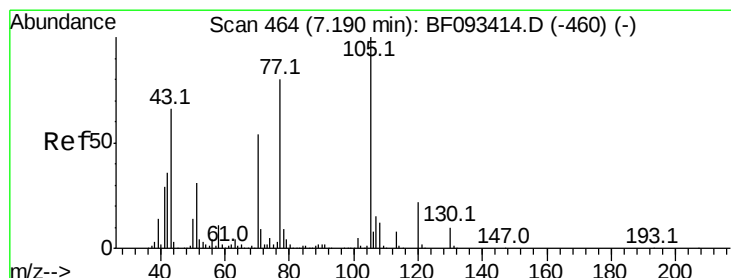
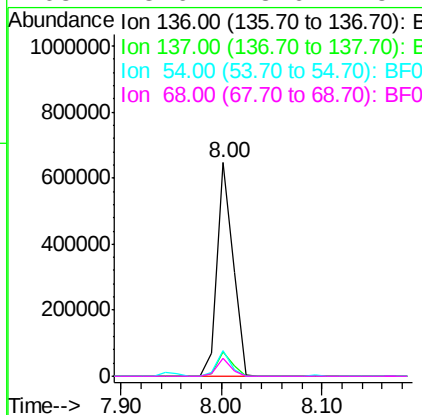
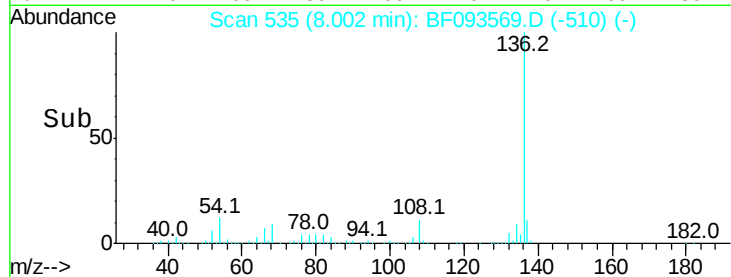
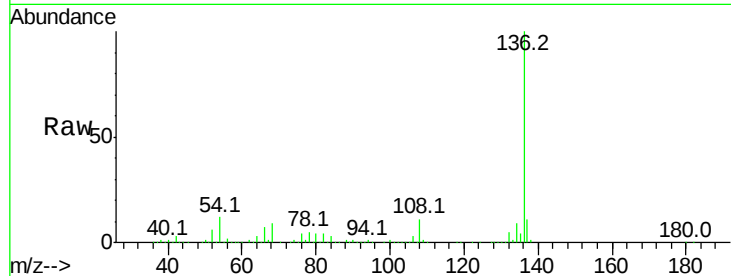
ClientSampleId :

PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	12.0	4.5	6.7#	
68	8.6	3.6	5.4#	

Manual Integrations
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#22

Acetophenone

Concen: 44.89 ng

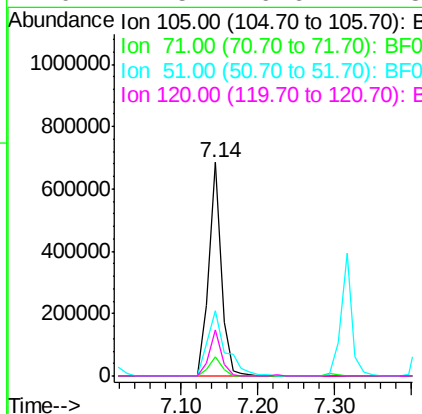
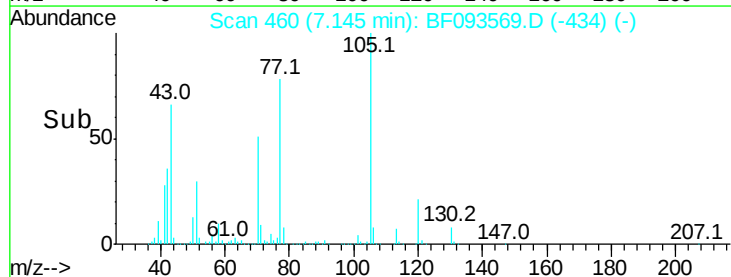
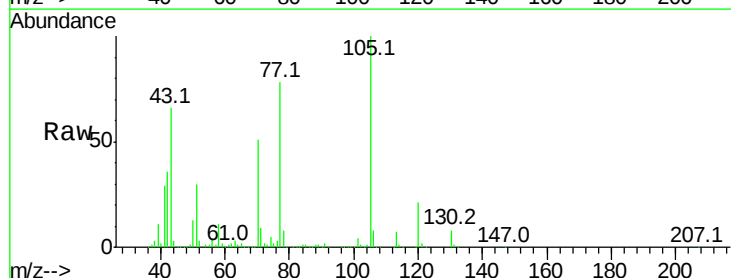
RT: 7.14 min Scan# 460

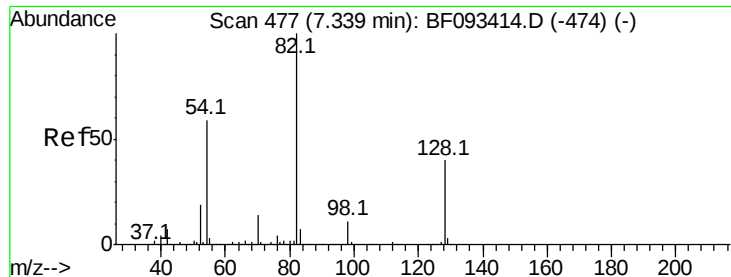
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.7	3.2	4.8#	
51	30.3	26.2	39.4	
120	21.5	16.6	24.8	





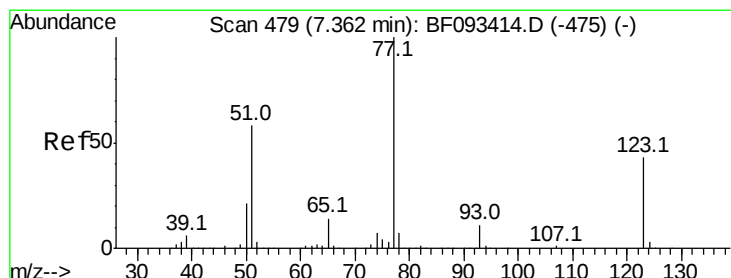
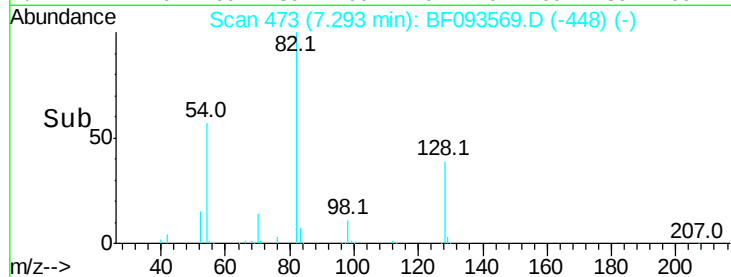
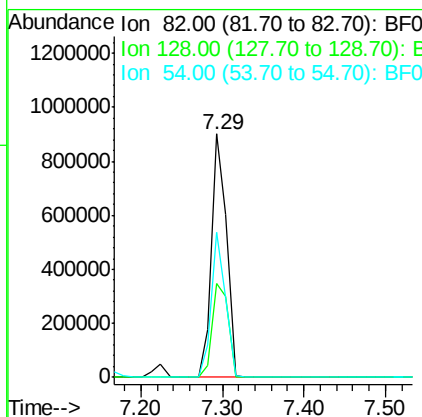
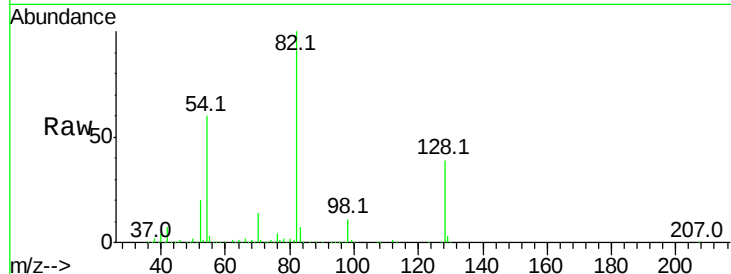
#23
 Nitrobenzene-d5
 Concen: 91.03 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion: 82 Resp: 1167421
 Ion Ratio Lower Upper
 82 100
 128 38.7 34.6 52.0
 54 59.6 39.5 59.3#

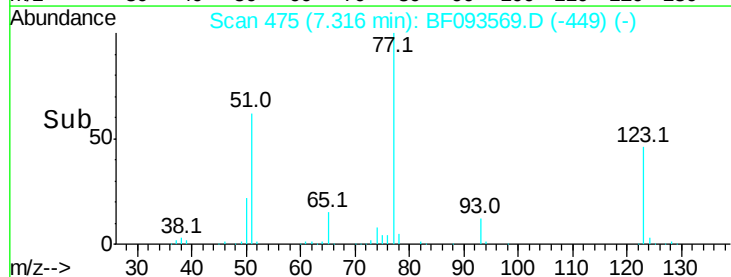
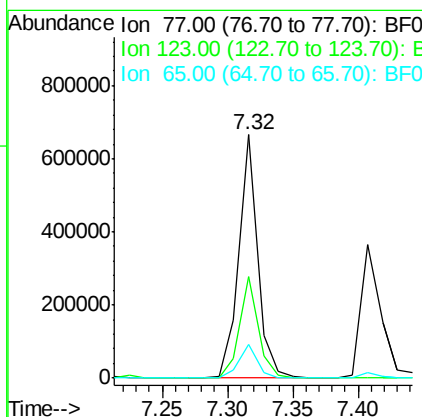
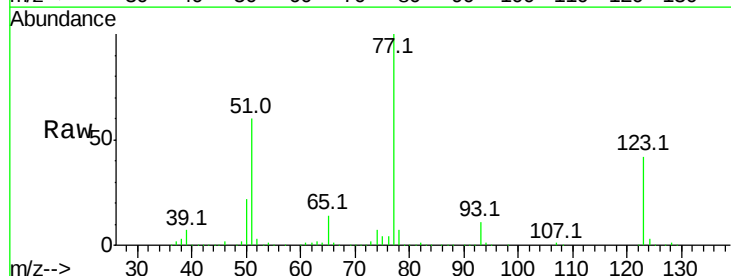
Manual Integrations
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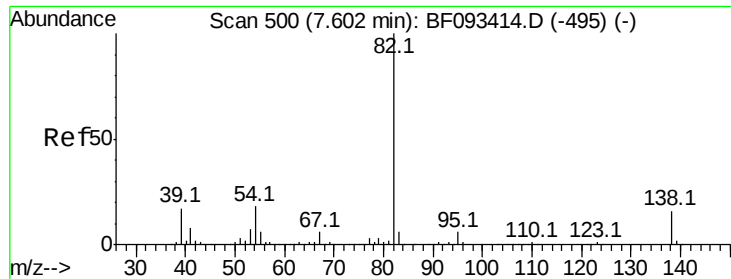
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#24
 Nitrobenzene
 Concen: 45.75 ng
 RT: 7.32 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion: 77 Resp: 659445
 Ion Ratio Lower Upper
 77 100
 123 41.9 33.0 49.4
 65 14.0 11.2 16.8





#25

Isophorone

Concen: 46.17 ng

RT: 7.56 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion: 82 Resp: 1194174

Ion Ratio Lower Upper

82 100

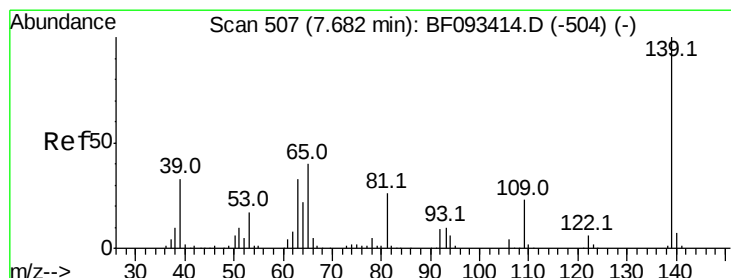
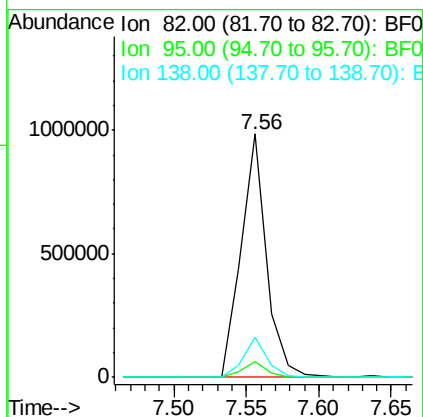
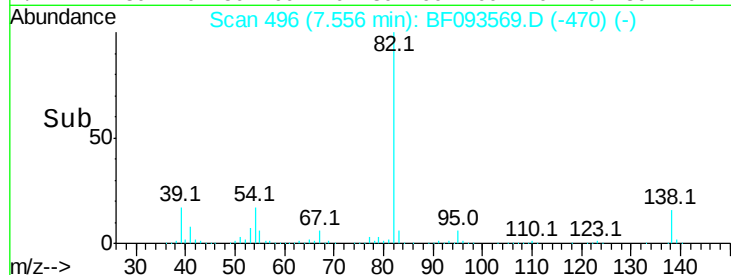
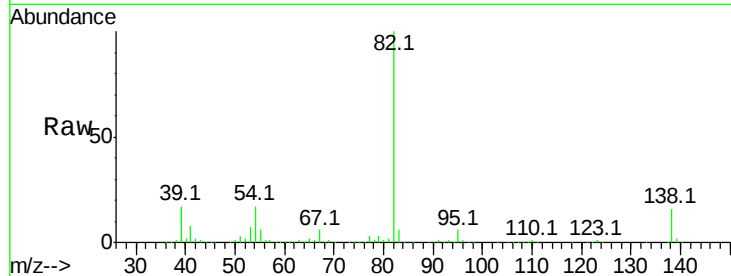
95 6.4 5.6 8.4

138 16.2 14.6 22.0

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#26

2-Nitrophenol

Concen: 45.18 ng

RT: 7.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

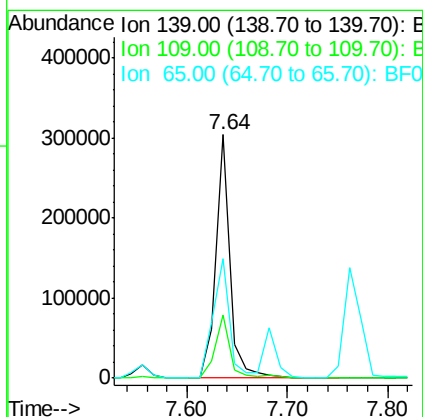
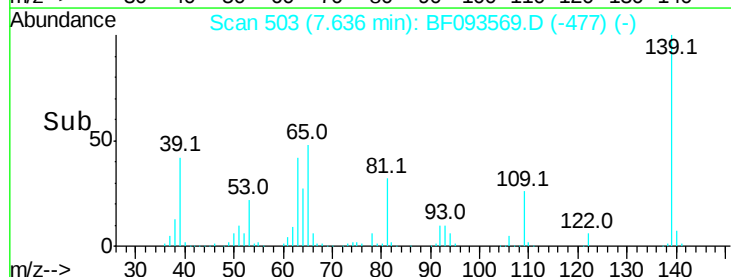
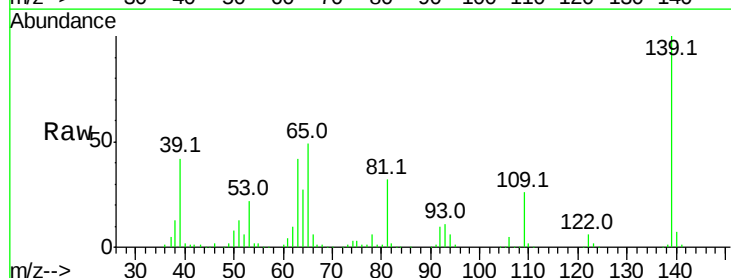
Tgt Ion:139 Resp: 297134

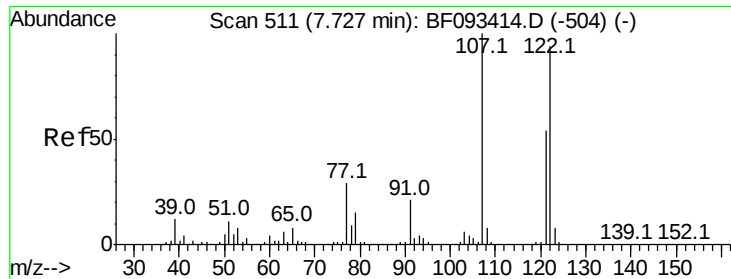
Ion Ratio Lower Upper

139 100

109 26.0 23.3 34.9

65 49.1 42.7 64.1





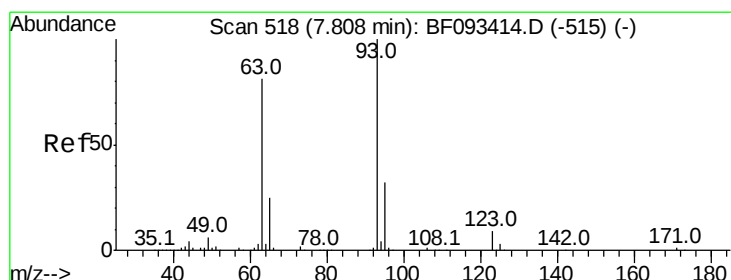
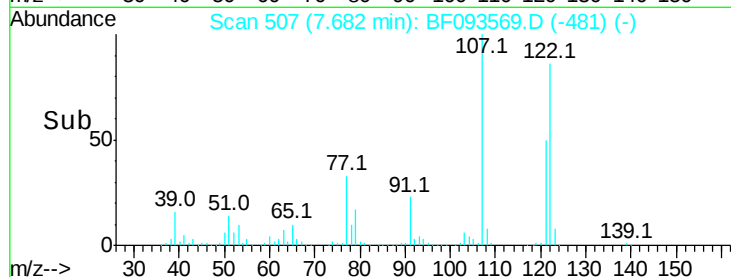
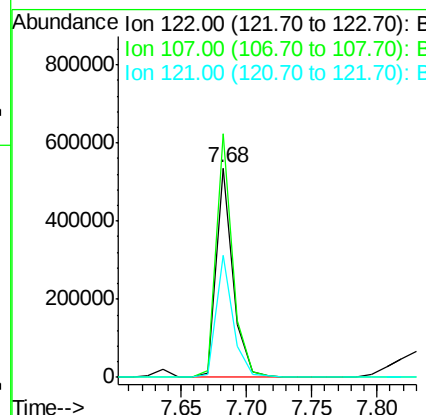
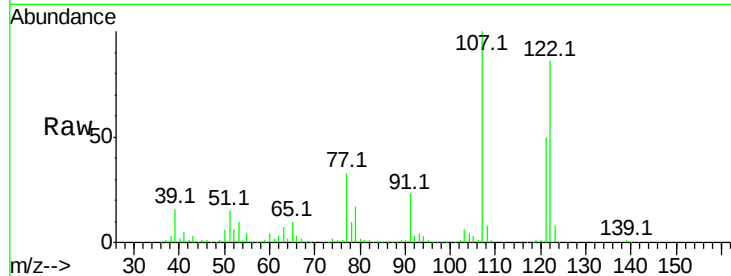
#27
2,4-Dimethylphenol
Concen: 45.00 ng
RT: 7.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.4	94.1	141.1
121	58.6	46.0	69.0

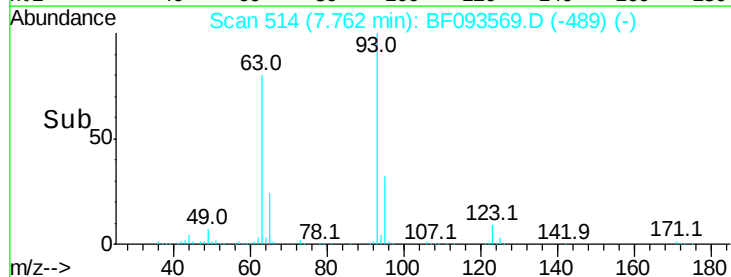
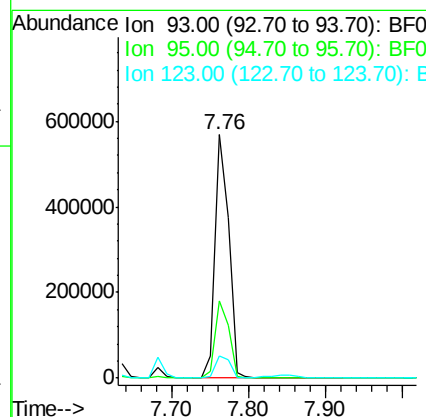
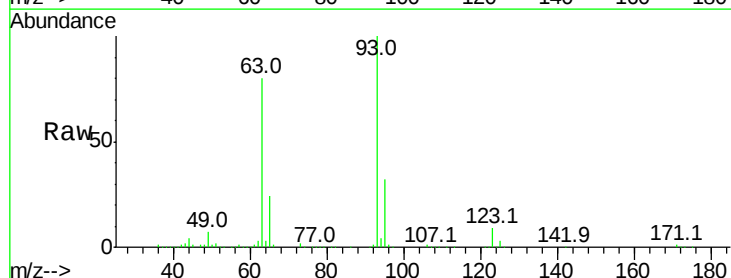
Manual Integrations
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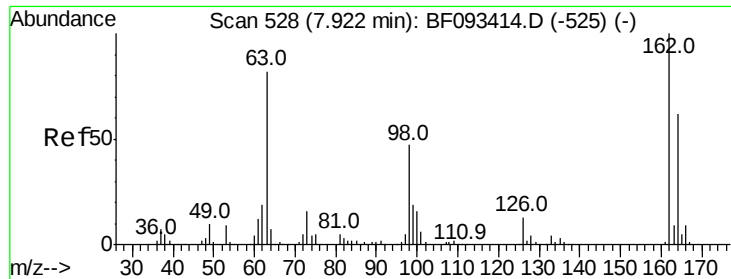
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#28
bis(2-Chloroethoxy)methane
Concen: 42.79 ng
RT: 7.76 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.5	39.7
123	8.9	8.6	13.0





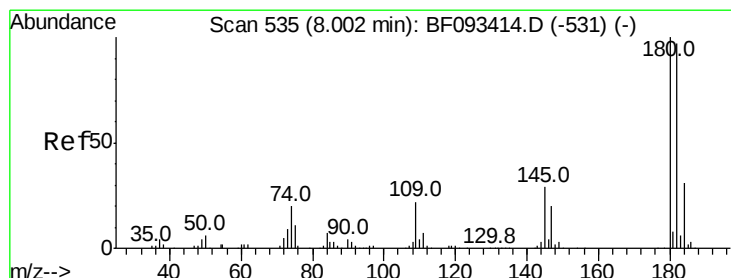
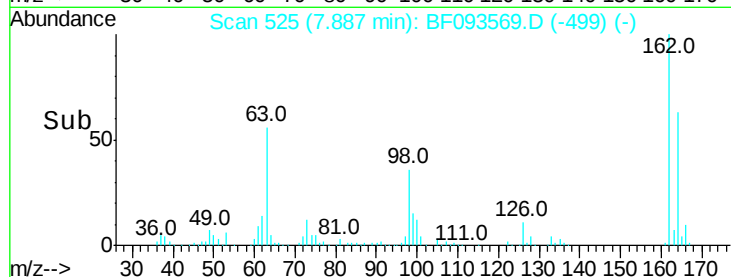
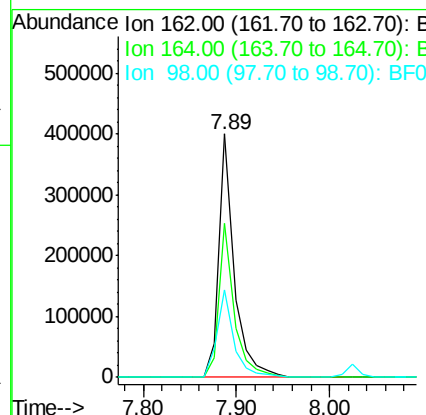
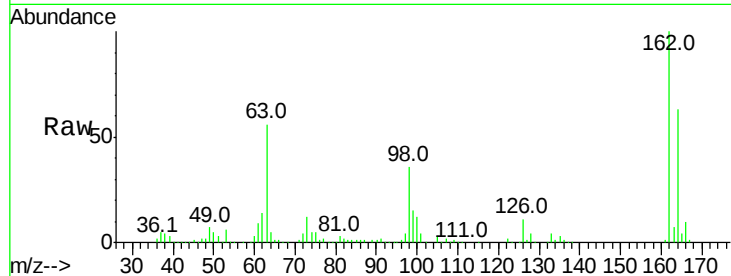
#29
2,4-Dichlorophenol
Concen: 45.42 ng
RT: 7.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.2	46.8	86.8
98	35.8	9.1	49.1

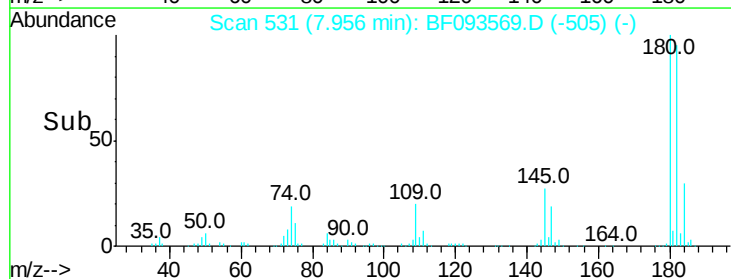
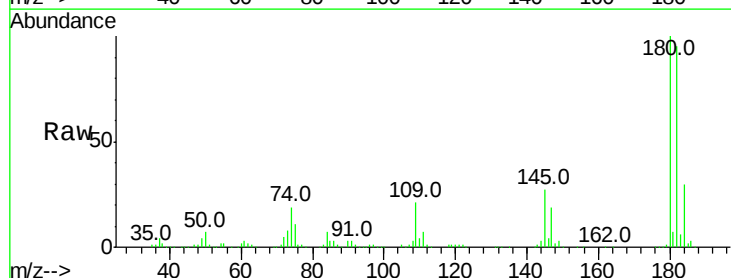
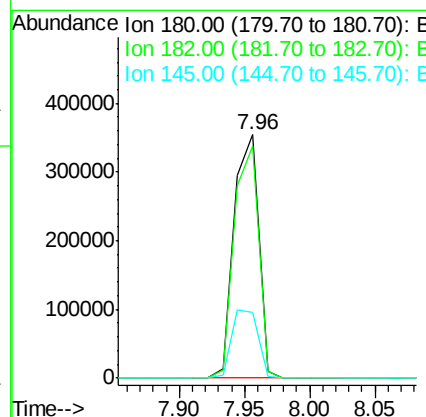
Manual Integrations
APPROVED

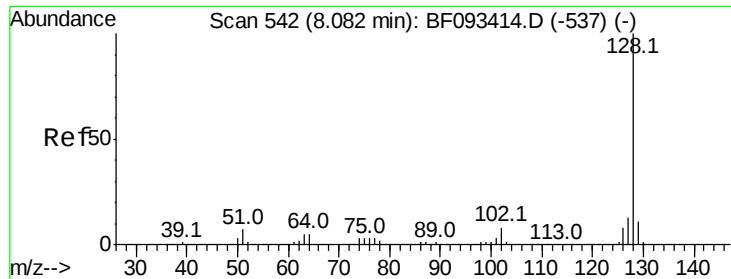
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#30
1,2,4-Trichlorobenzene
Concen: 43.26 ng
RT: 7.96 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.2	78.2	117.4
145	27.2	21.6	32.4





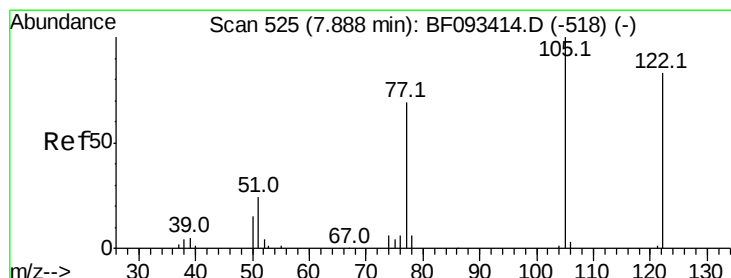
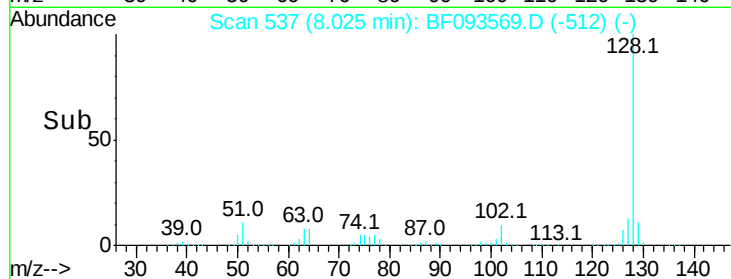
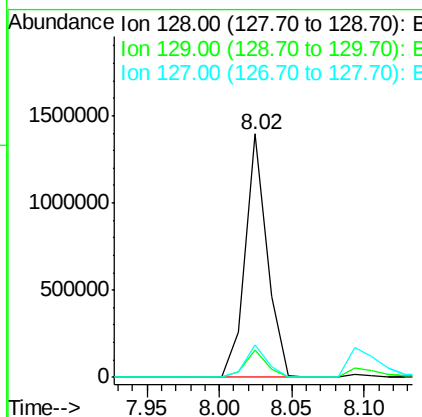
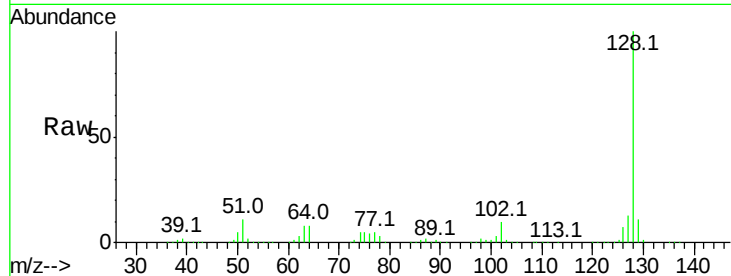
#31
Naphthalene
Concen: 41.20 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion:128 Resp: 1469348
Ion Ratio Lower Upper
128 100
129 11.5 9.5 14.3
127 13.5 10.8 16.2

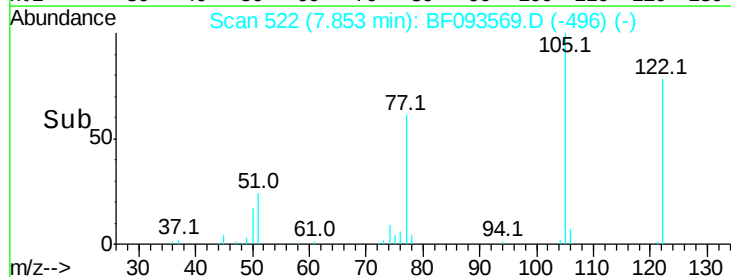
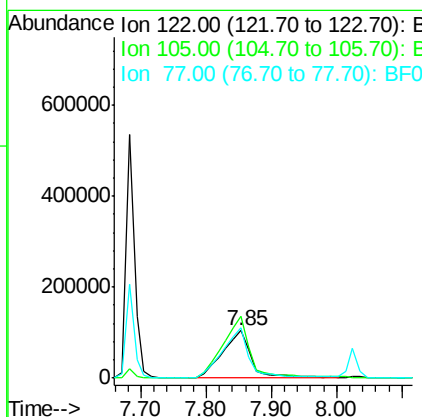
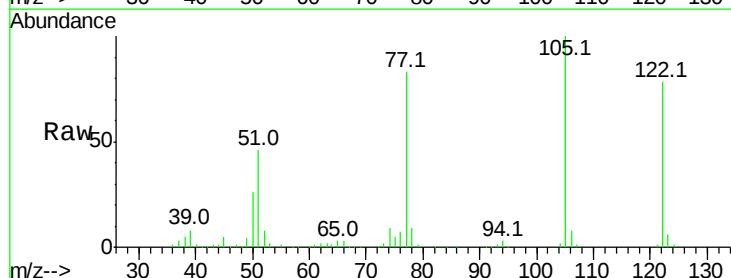
Manual Integrations
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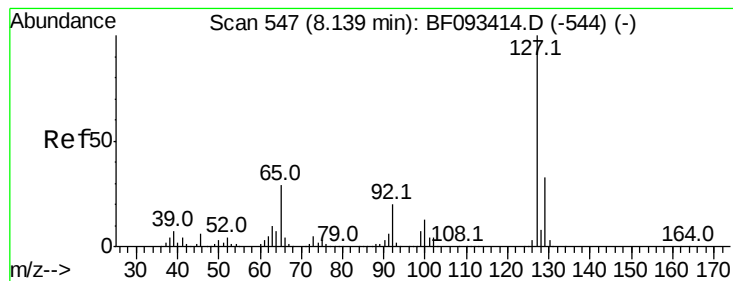
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#32
Benzoic acid
Concen: 56.11 ng
RT: 7.85 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion:122 Resp: 311920
Ion Ratio Lower Upper
122 100
105 129.0 107.2 147.2
77 106.9 74.5 114.5





#33

4-Chloroaniline

Concen: 18.72 ng

RT: 8.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

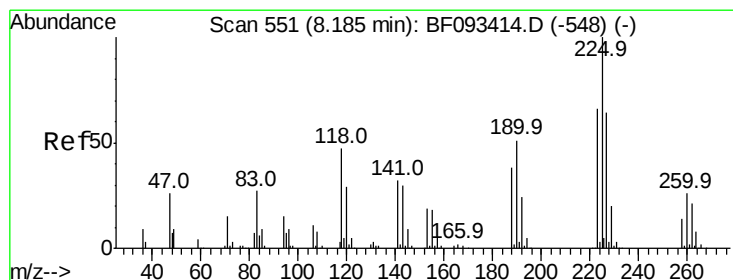
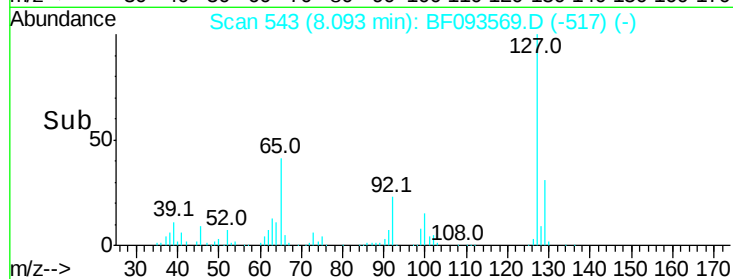
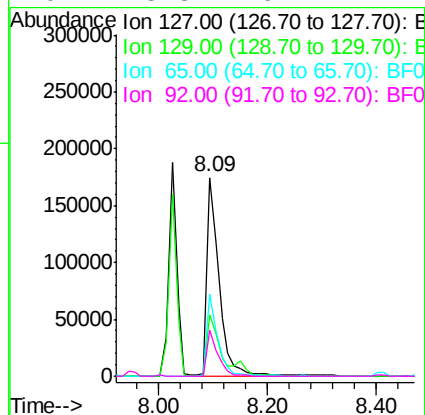
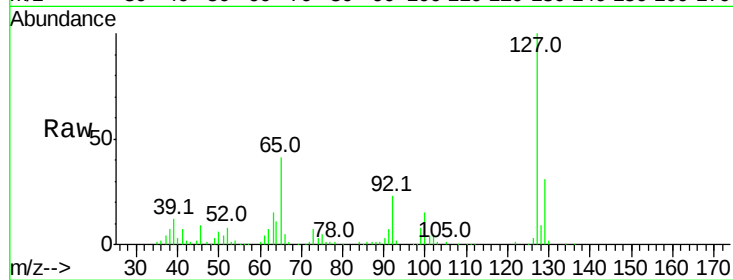
ClientSampleId :

PB97524BS

Tot Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	31.1	26.3	39.5
65	41.5	25.8	38.8
92	23.3	16.1	24.1

Manual Integrations
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#34

Hexachlorobutadiene

Concen: 43.25 ng

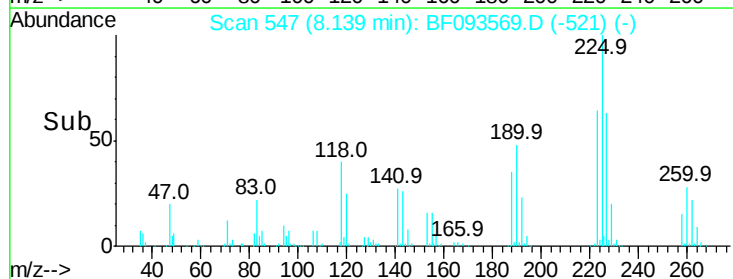
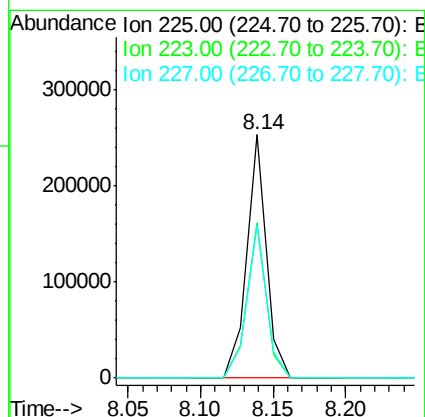
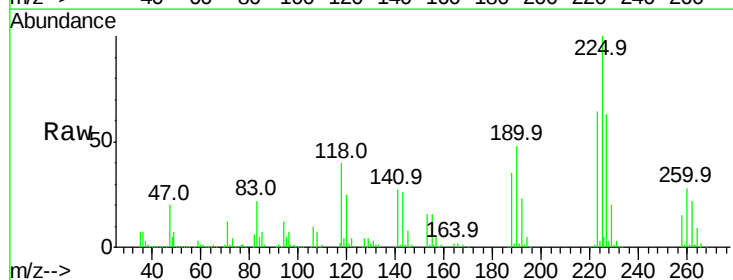
RT: 8.14 min Scan# 547

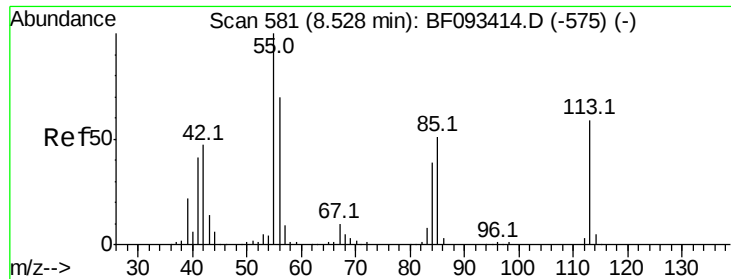
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.0	51.0	76.6
227	62.8	50.6	76.0





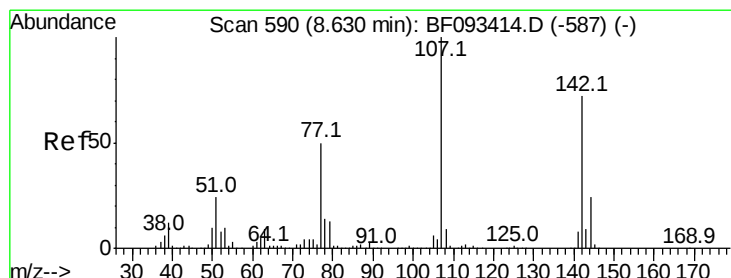
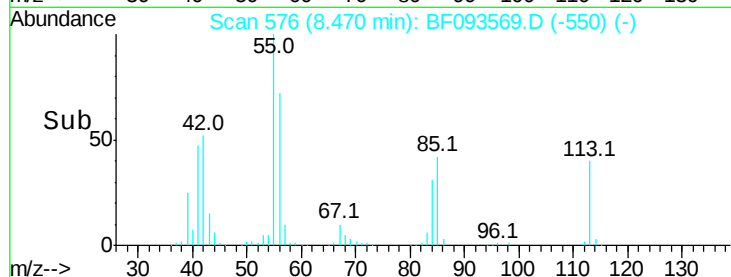
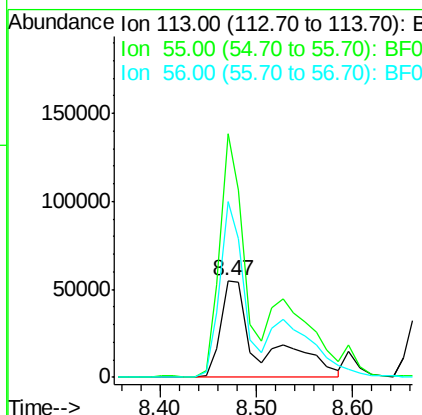
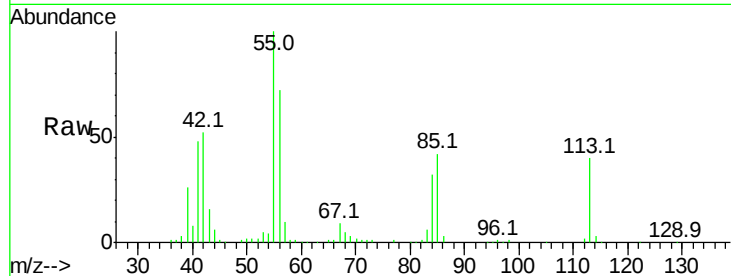
#35
Caprolactam
Concen: 46.98 ng/ml
RT: 8.47 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleID :
PB97524BS

Tot Ion:113 Resp: 161493
Ion Ratio Lower Upper
113 100
55 252.0 119.2 159.2#
56 182.0 83.8 123.8#

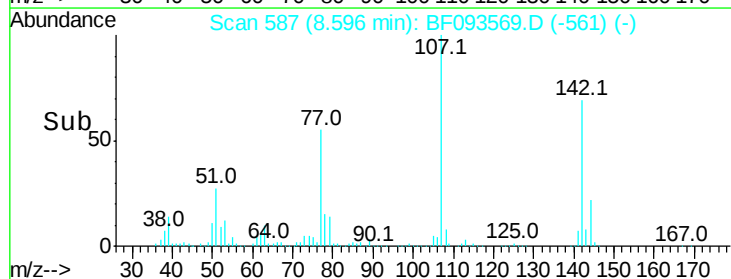
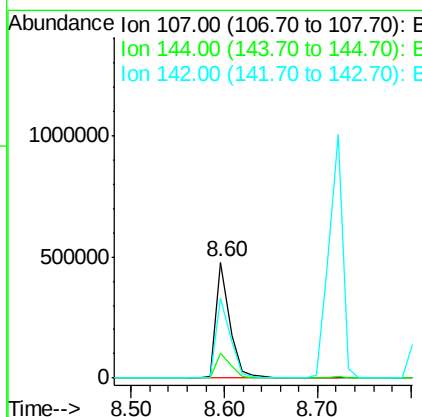
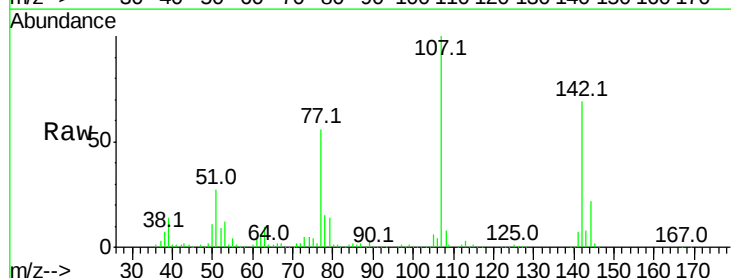
Manual Integrations
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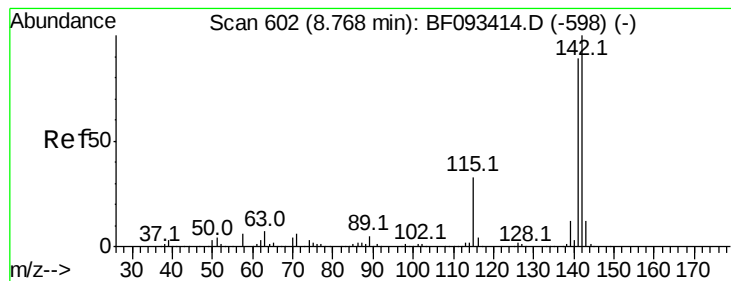
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#36
4-Chloro-3-methylphenol
Concen: 45.51 ng/ml
RT: 8.60 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion:107 Resp: 488873
Ion Ratio Lower Upper
107 100
144 21.8 19.3 28.9
142 69.1 59.0 88.6





#37

2-Methylnaphthalene

Concen: 45.38 ng

RT: 8.72 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion:142 Resp: 1029605

Ion Ratio Lower Upper

142 100

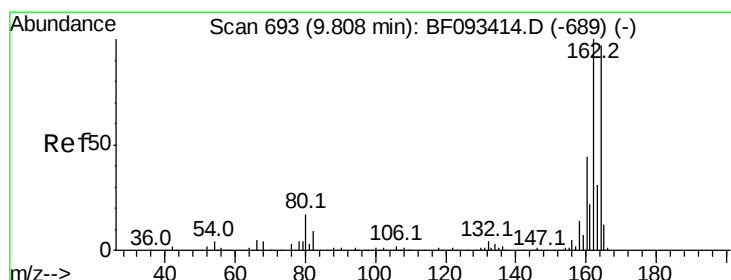
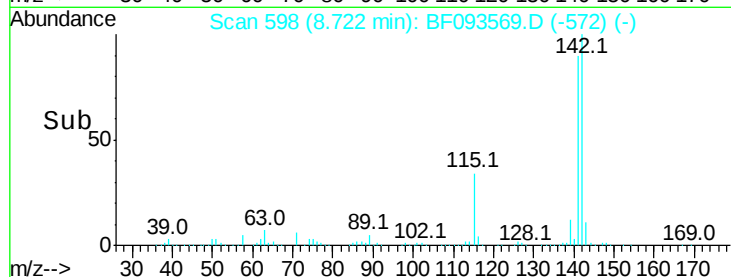
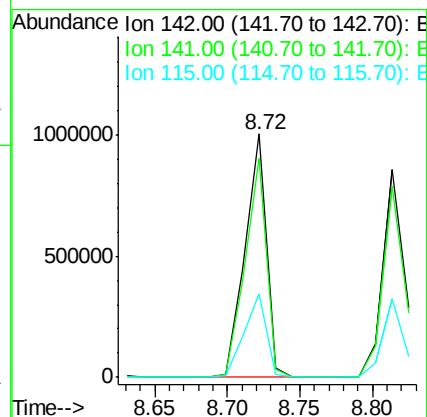
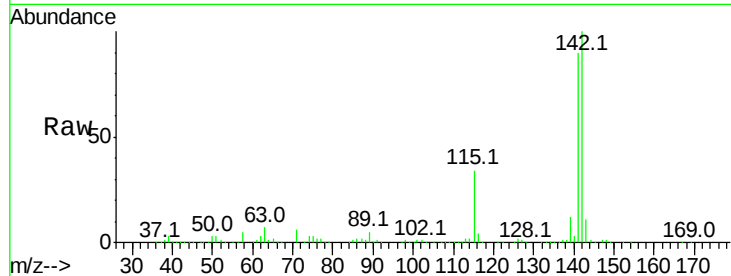
141 89.9 71.0 106.6

115 34.4 28.3 42.5

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

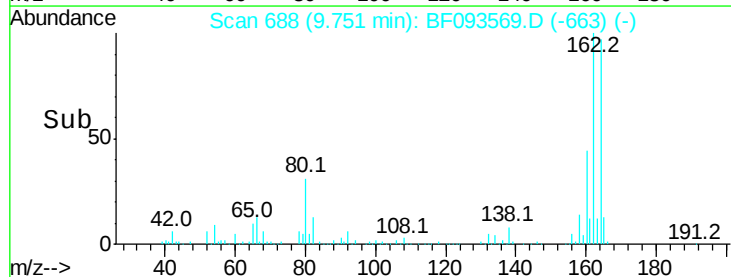
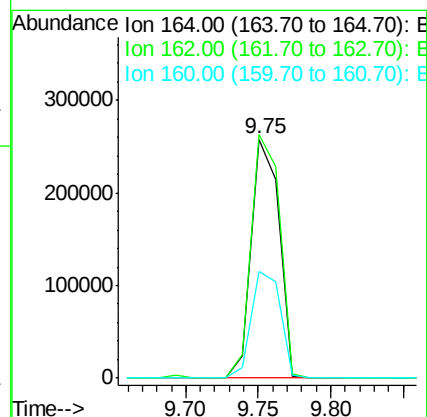
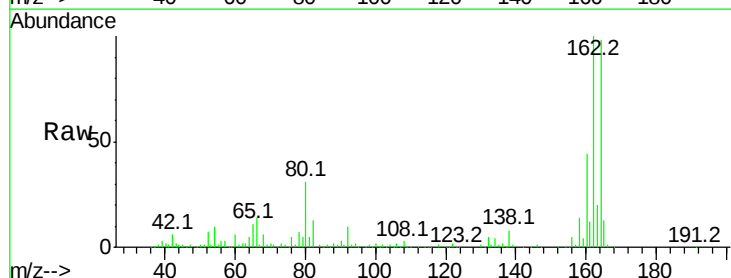
Tgt Ion:164 Resp: 342982

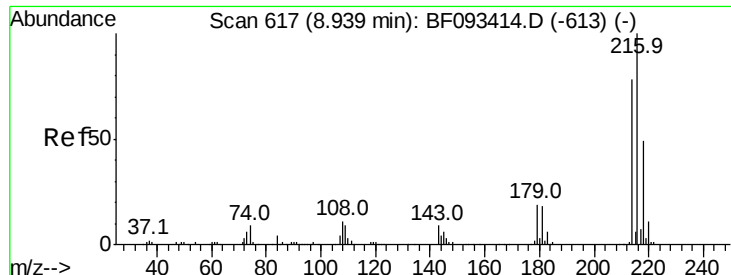
Ion Ratio Lower Upper

164 100

162 101.8 80.2 120.2

160 44.8 36.9 55.3





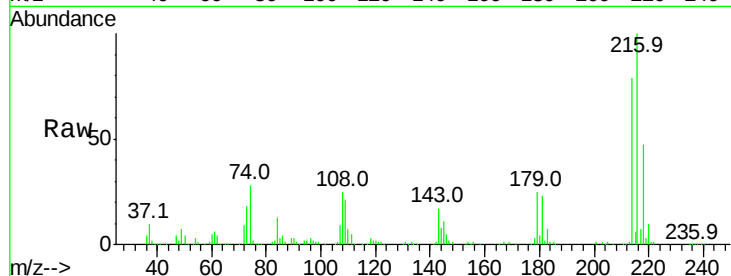
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.73 ng
 RT: 8.88 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampled :
 PB97524BS

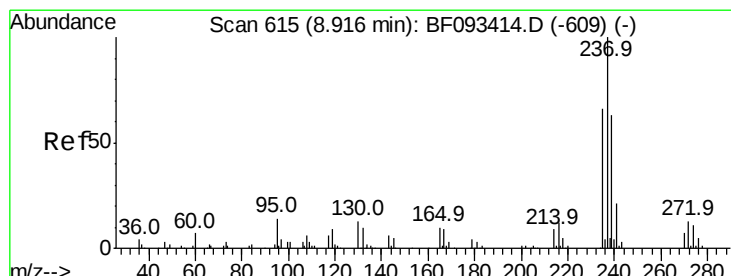
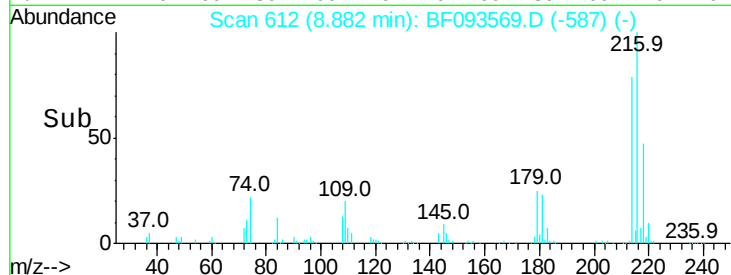
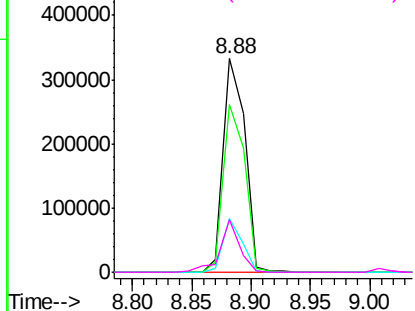
Tot Ion	Ratio	Resp	Lower	Upper
216	100	418877		
214	78.5	63.4	95.0	
179	22.0	17.4	26.2	
108	23.0	15.6	23.4	

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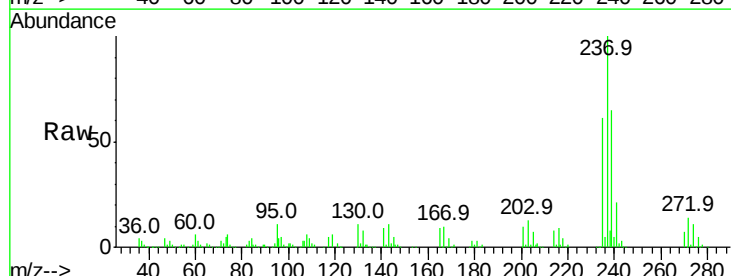


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

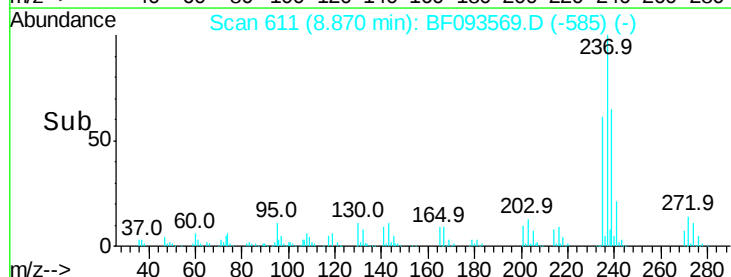
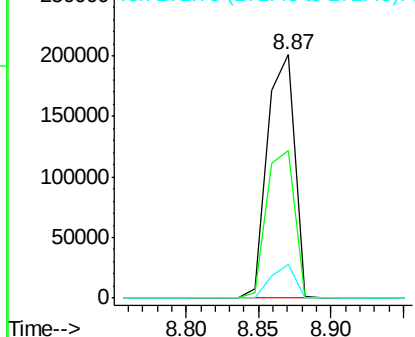


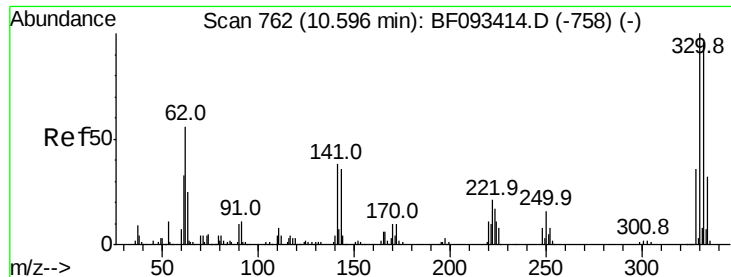
#40
 Hexachlorocyclopentadiene
 Concen: 106.12 ng
 RT: 8.87 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	261766		
235	60.5	41.2	81.2	
272	13.9	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





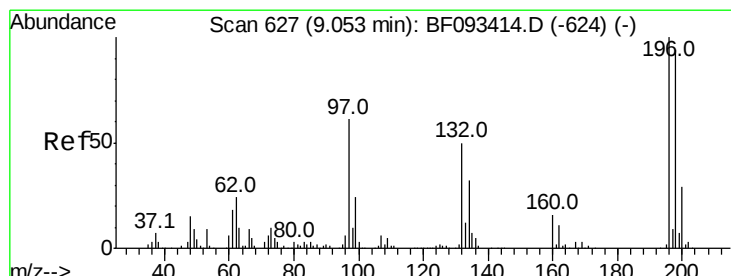
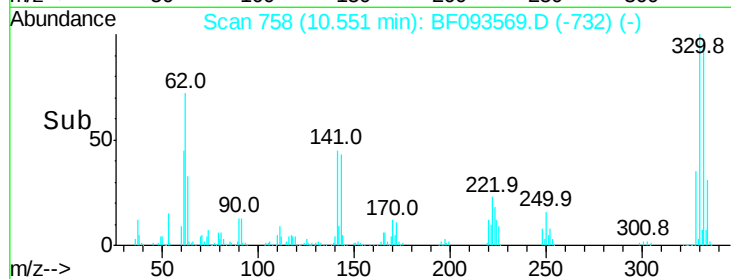
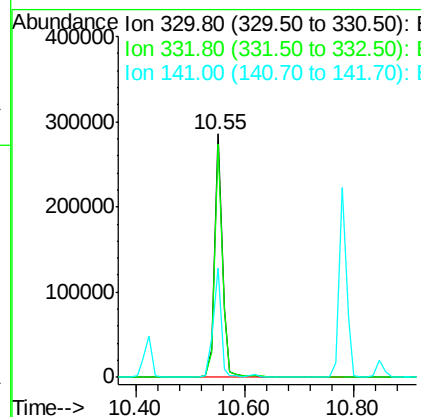
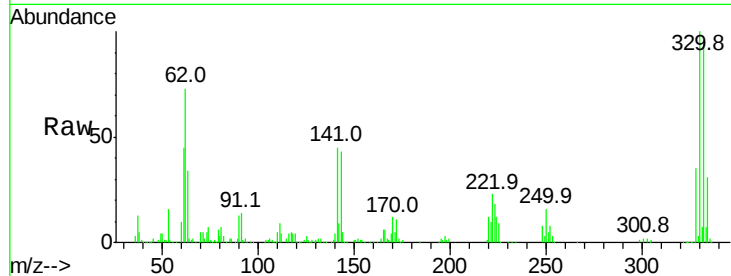
#41
 2,4,6-Tribromophenol
 Concen: 129.57 ng
 RT: 10.55 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	289534		
332	95.8	77.4	116.2	
141	45.4	34.1	51.1	

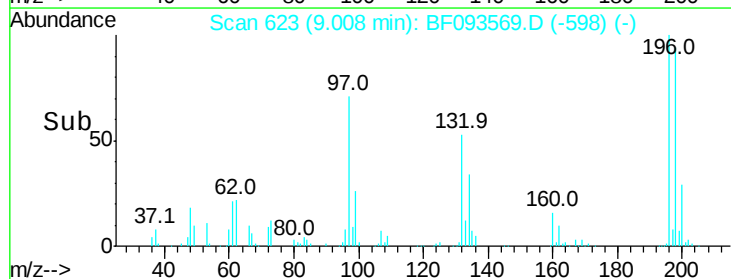
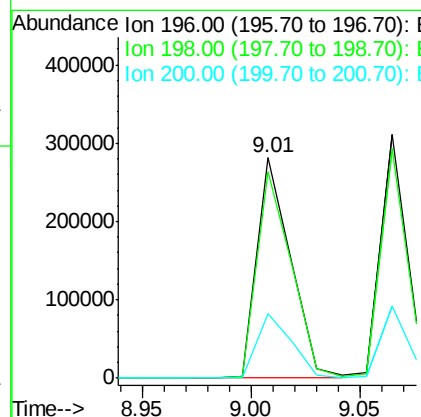
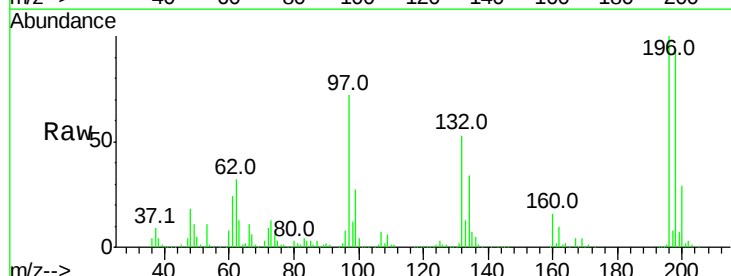
Manual Integrations
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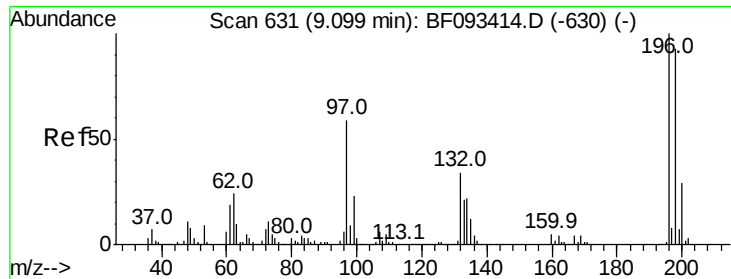
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#42
 2,4,6-Trichlorophenol
 Concen: 51.87 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	303518		
198	93.8	82.1	123.1	
200	29.2	27.0	40.4	





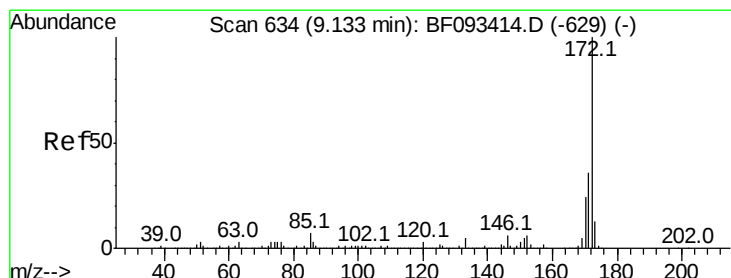
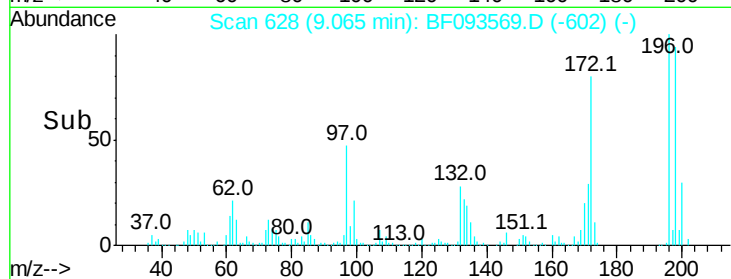
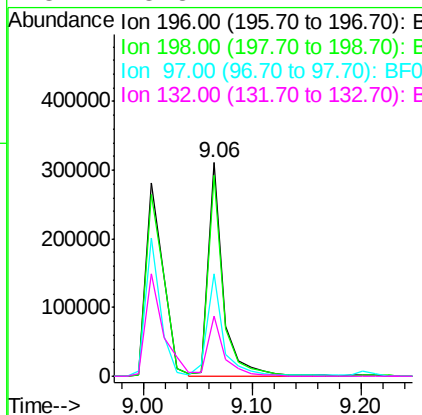
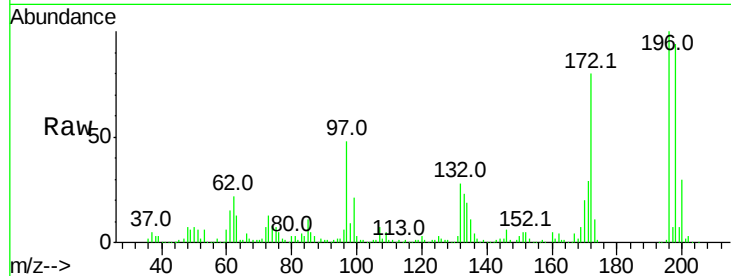
#43
 2,4,5-Trichlorophenol
 Concen: 47.68 ng
 RT: 9.06 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	299340		
198	94.1	79.4	119.2	
97	47.7	51.5	77.3	
132	28.3	27.4	41.2	

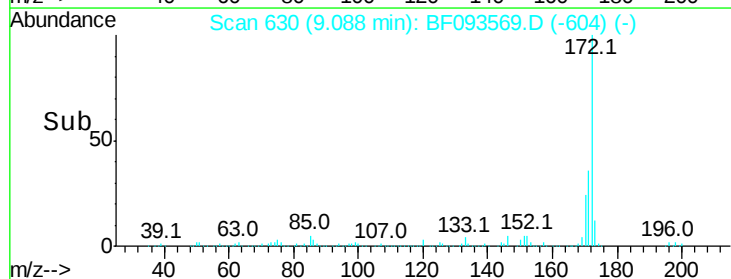
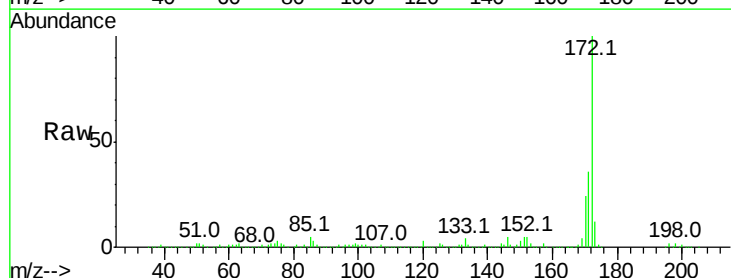
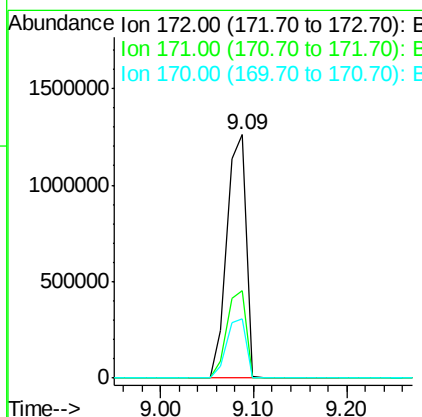
Manual Integrations
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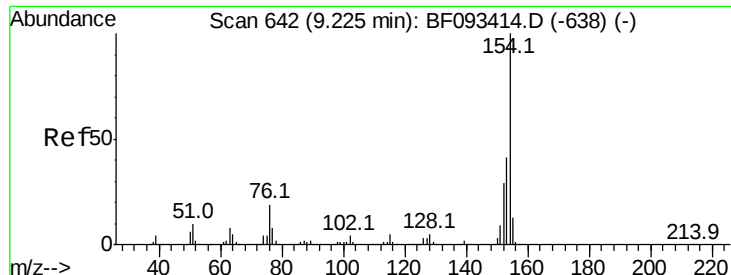
mohammad
 3/15/2017 5:31:57 PM



#44
 2-Fluorobiphenyl
 Concen: 99.17 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1828720		
171	36.0	29.4	44.0	
170	24.1	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 45.61 ng

RT: 9.18 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion:154 Resp: 1139662

Ion Ratio Lower Upper

154 100

153 41.5 20.9 60.9

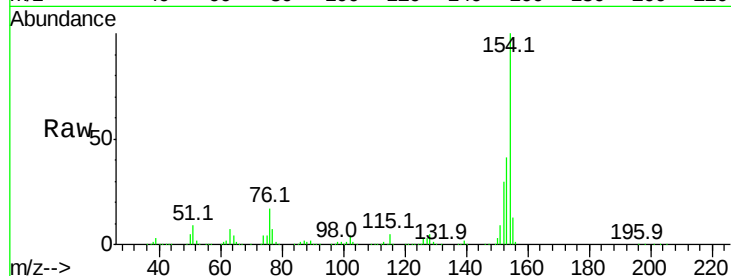
76 16.6 0.0 30.5

Manual Integrations

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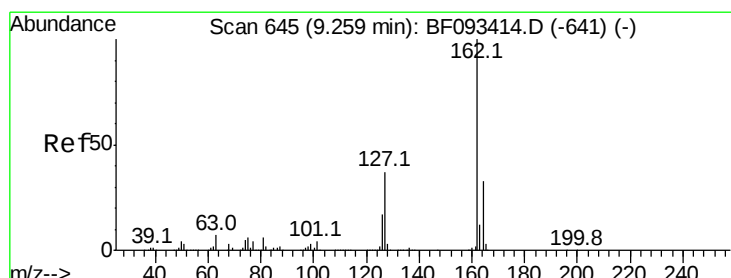
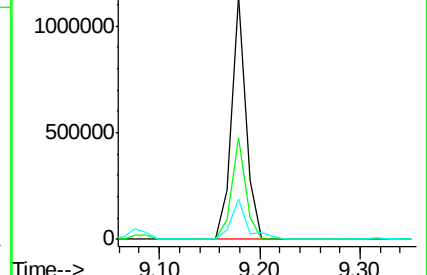
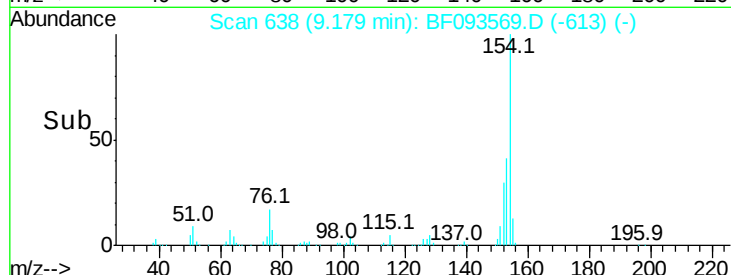
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 48.21 ng

RT: 9.20 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

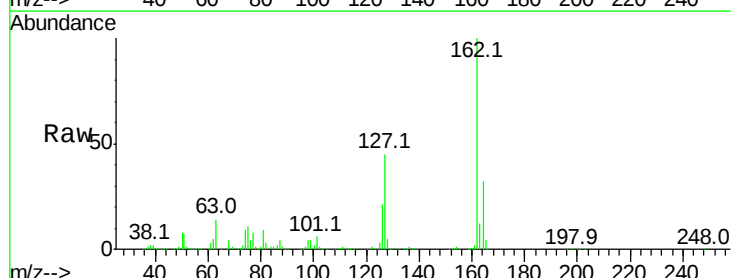
Tgt Ion:162 Resp: 922025

Ion Ratio Lower Upper

162 100

127 44.5 30.7 46.1

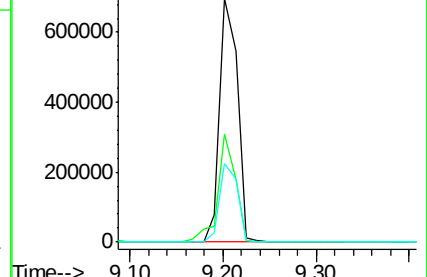
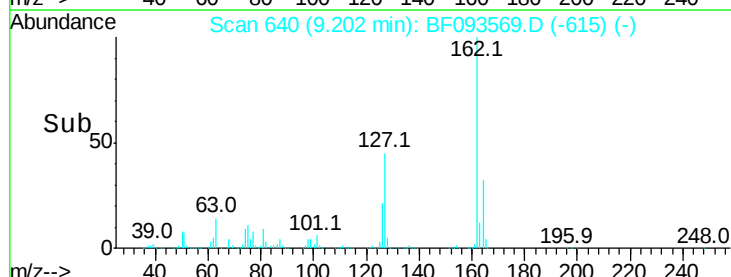
164 32.3 27.6 41.4

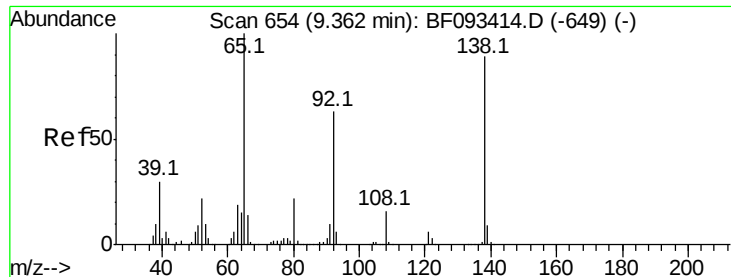


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 52.93 ng

RT: 9.32 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion: 65 Resp: 357847

Ion Ratio Lower Upper

65 100

92 60.7 53.9 80.9

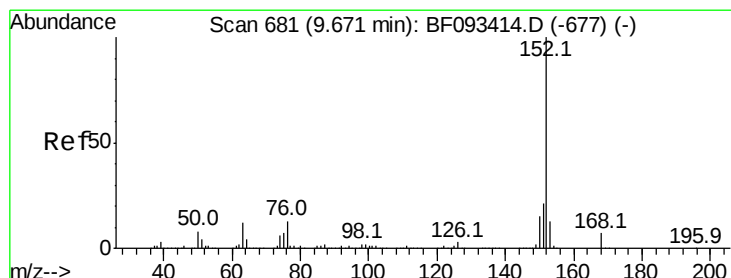
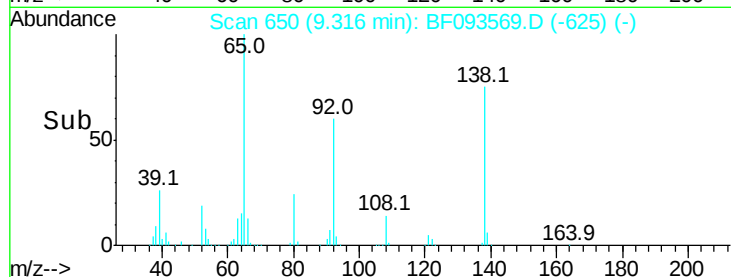
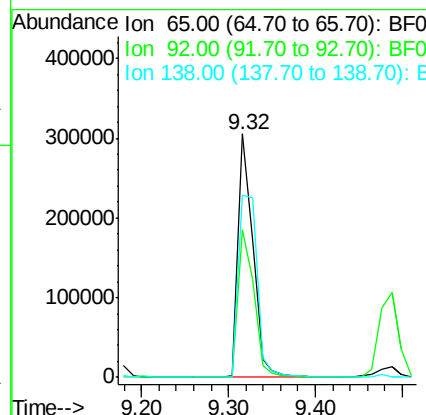
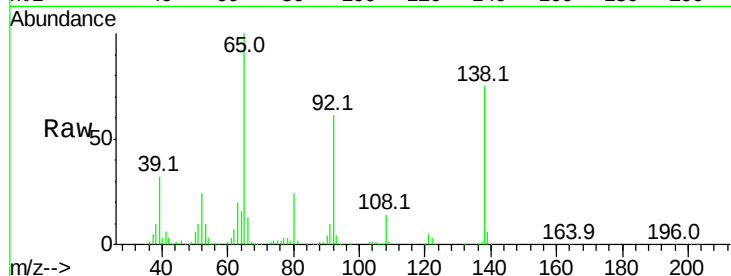
138 74.7 76.8 115.2#

Manual Integrations

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#48

Acenaphthylene

Concen: 45.42 ng

RT: 9.61 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

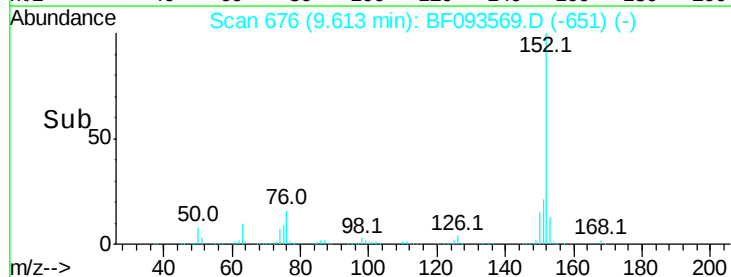
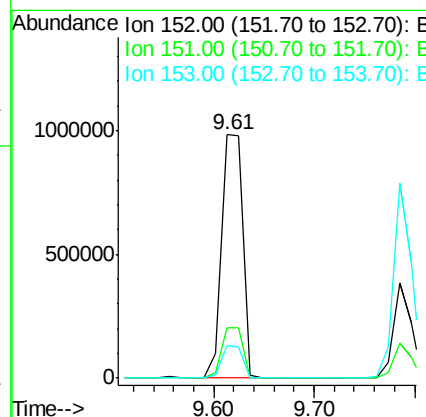
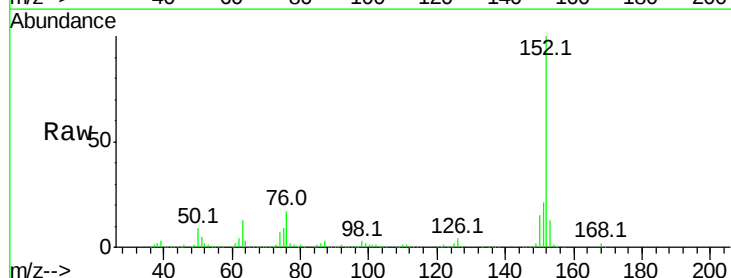
Tgt Ion: 152 Resp: 1432688

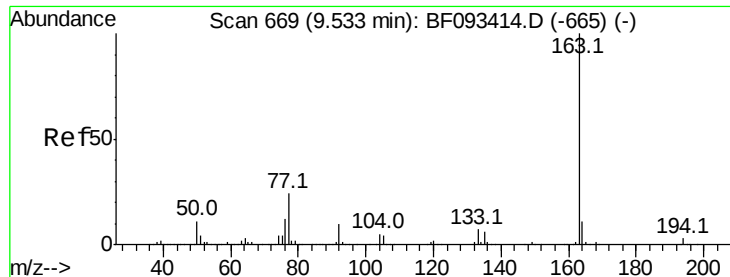
Ion Ratio Lower Upper

152 100

151 20.9 16.9 25.3

153 13.5 11.4 17.2





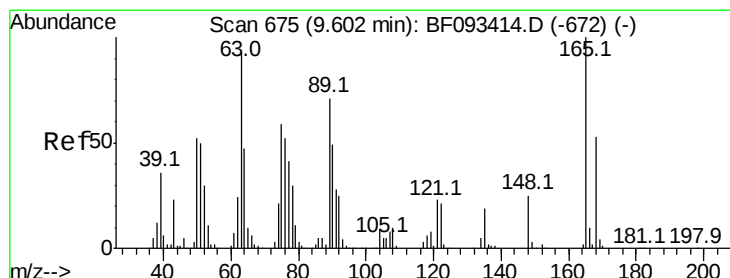
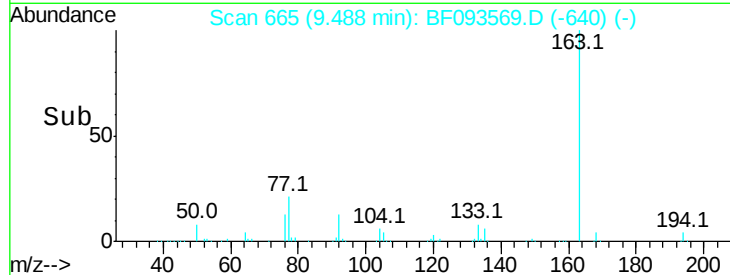
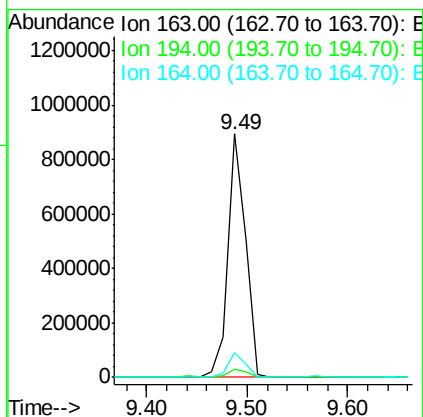
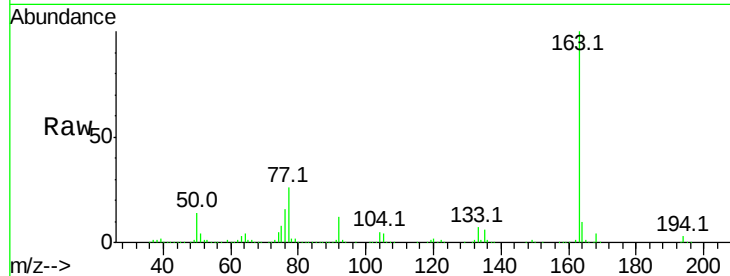
#49
Dimethylphthalate
Concen: 47.65 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion:163 Resp: 1083526
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.4 8.0 12.0

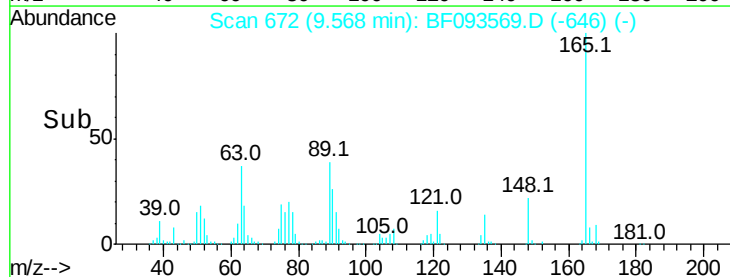
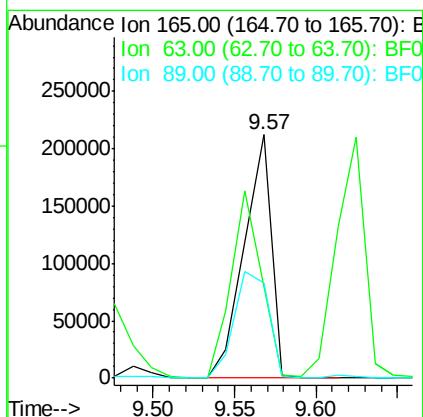
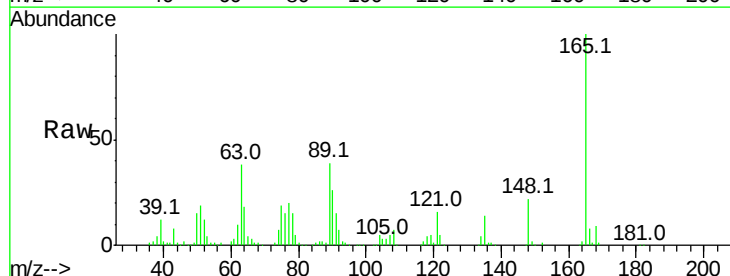
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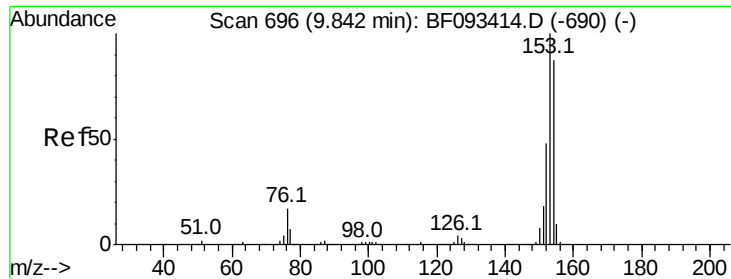
mohammad
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#50
2,6-Dinitrotoluene
Concen: 49.24 ng
RT: 9.57 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion:165 Resp: 245654
Ion Ratio Lower Upper
165 100
63 37.6 36.2 54.4
89 38.9 40.2 60.4#





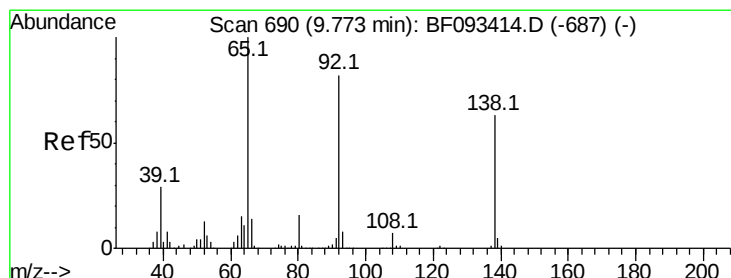
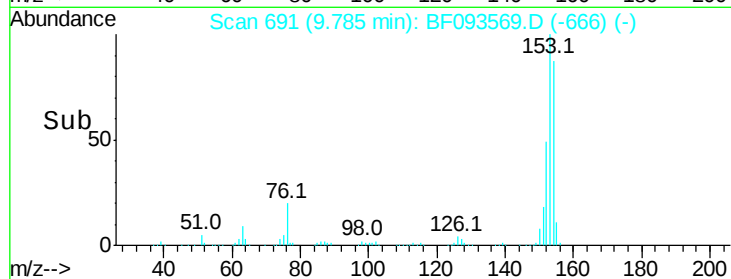
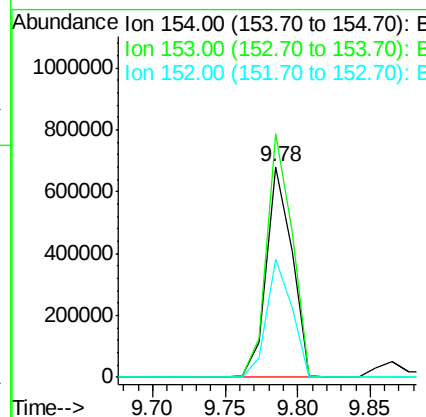
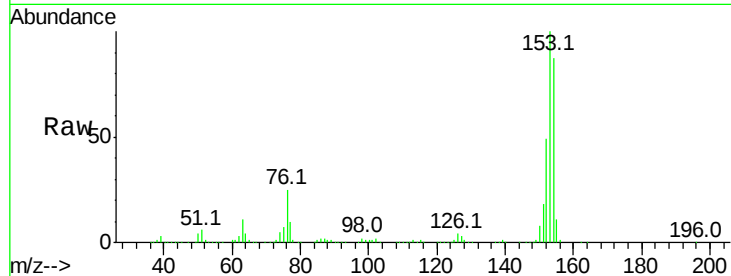
#51
Acenaphthene
Concen: 44.57 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampled :
PB97524BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.5	88.6	133.0
152	56.2	41.6	62.4

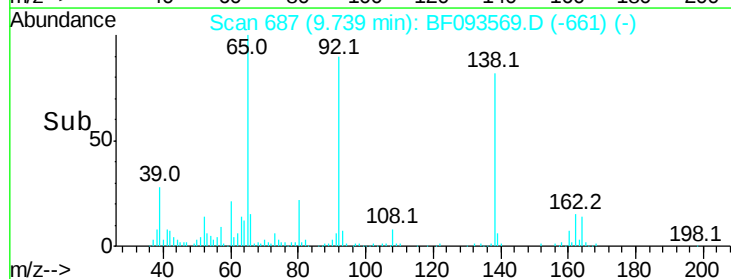
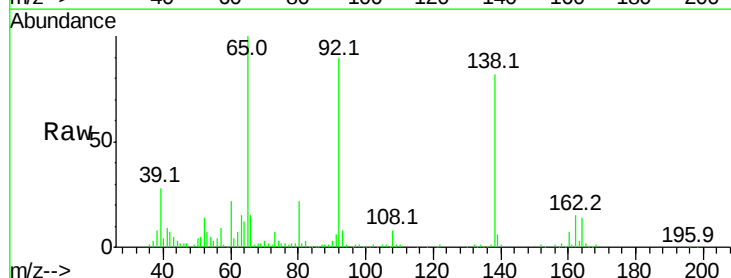
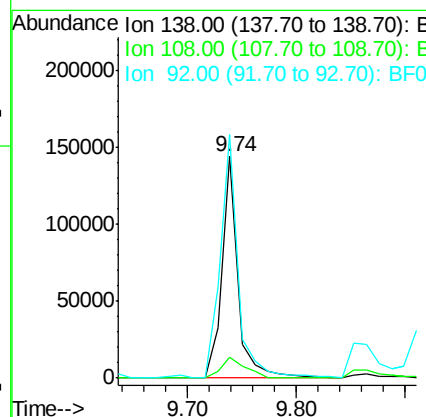
Manual Integrations
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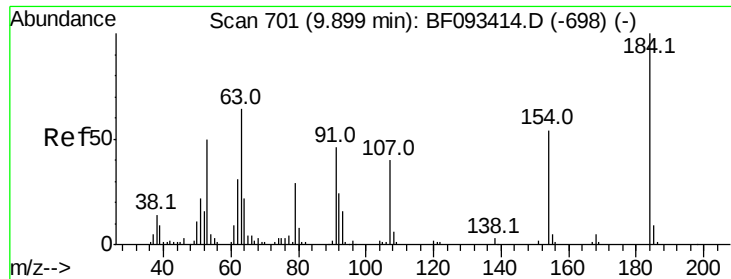
mohammad
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#52
3-Nitroaniline
Concen: 25.21 ng
RT: 9.74 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.5	12.7
92	109.8	97.8	146.8





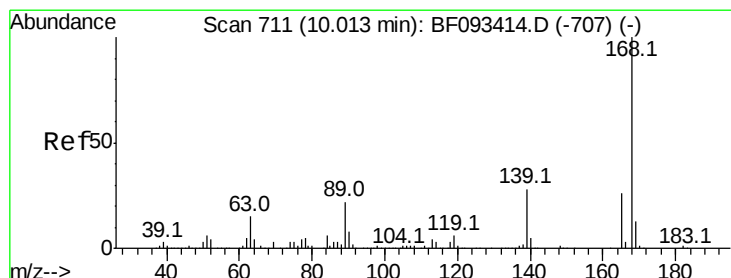
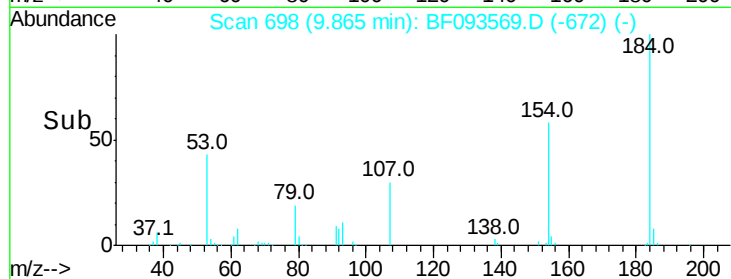
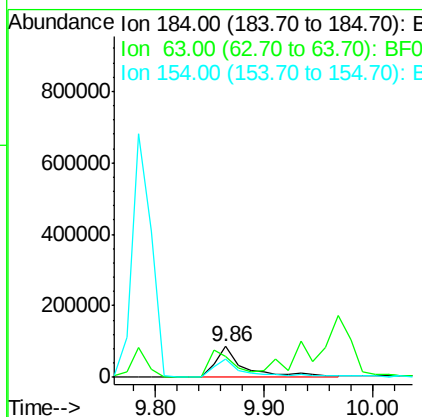
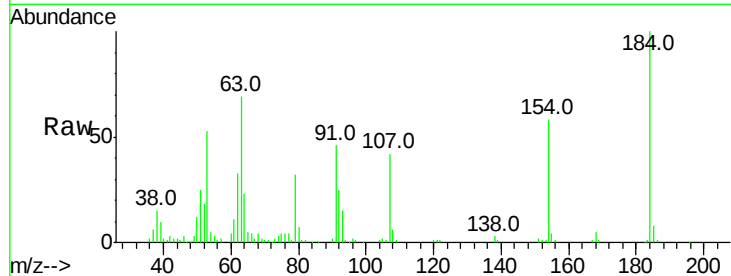
#53
2,4-Dinitrophenol
Concen: 72.66 ng
RT: 9.86 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	165094		
63	68.6	28.4	42.6	#
154	58.4	44.3	66.5	

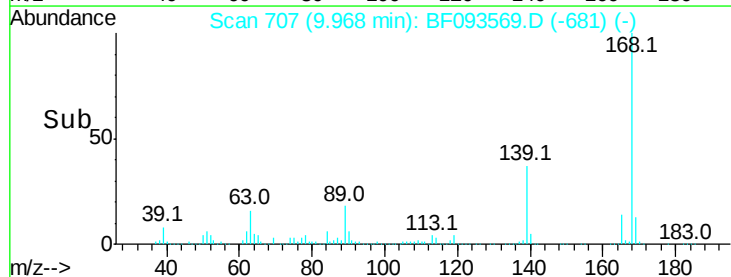
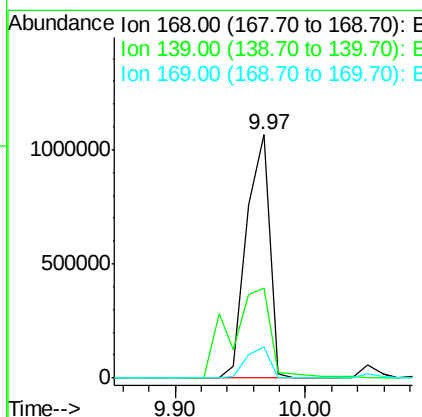
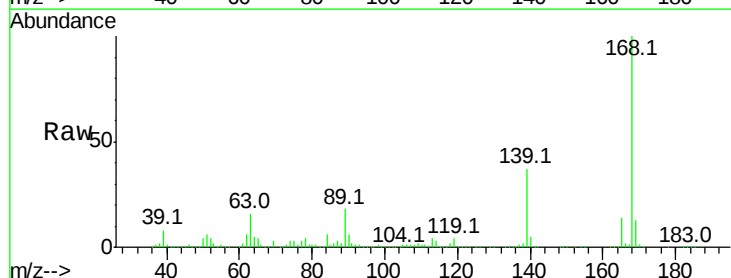
Manual Integrations
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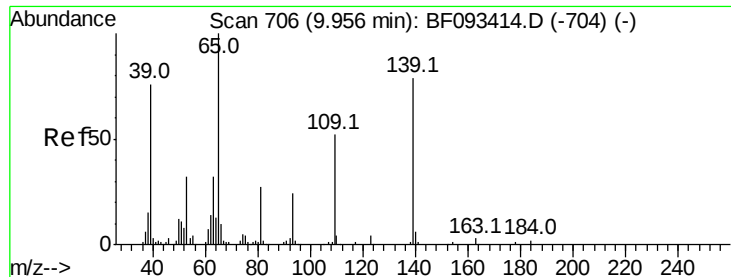
mohammad
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#54
Dibenzofuran
Concen: 55.82 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1303076		
139	36.9	32.6	49.0	
169	13.0	11.3	16.9	





#55

4-Nitrophenol

Concen: 95.97 ng/mL

RT: 9.93 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

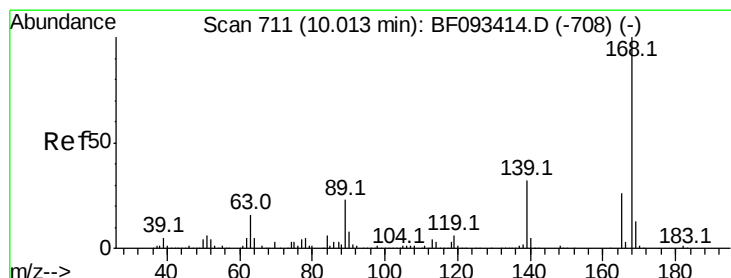
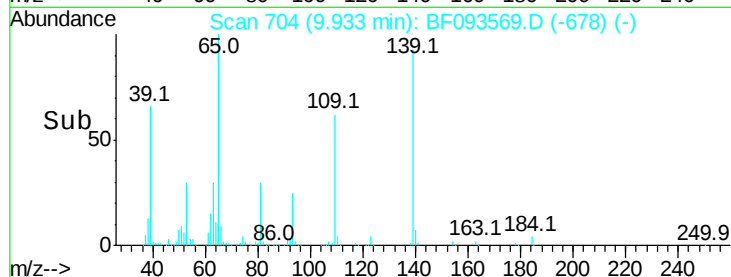
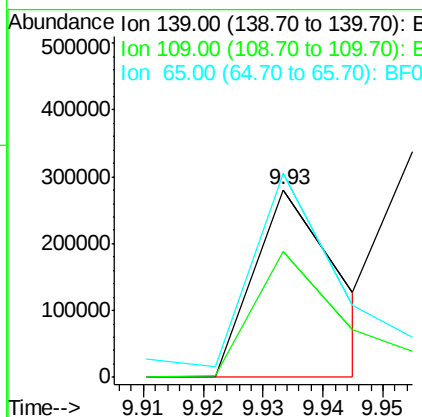
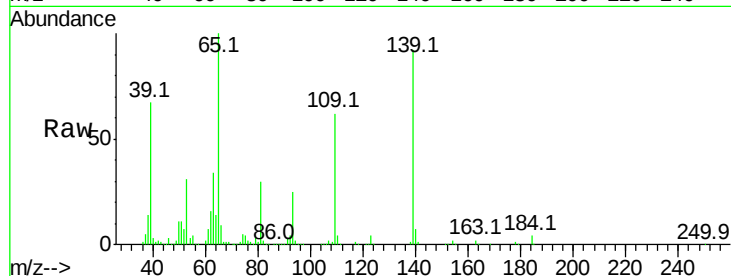
ClientSampleID :

PB97524BS

Tot Ion:	139	Resp:	279400
Ion Ratio	Lower	Upper	
139	100		
109	67.3	52.2	92.2
65	108.5	85.8	125.8

Manual Integrations
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#56

2,4-Dinitrotoluene

Concen: 52.83 ng/mL

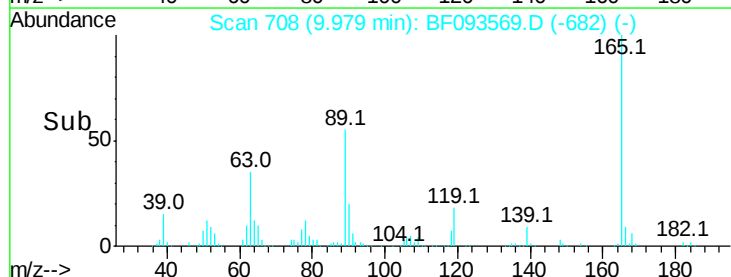
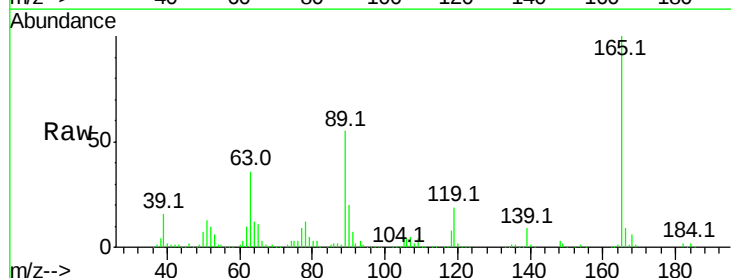
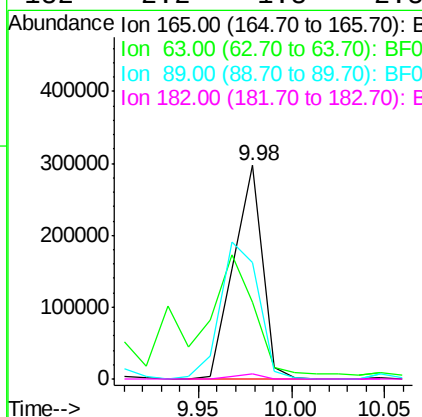
RT: 9.98 min Scan# 708

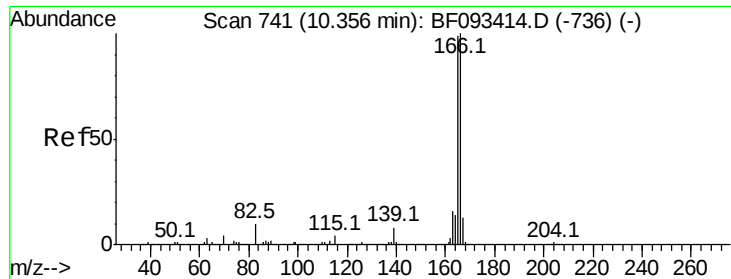
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion:	165	Resp:	323818
Ion Ratio	Lower	Upper	
165	100		
63	35.8	40.2	60.4#
89	54.8	62.5	93.7#
182	2.2	1.8	2.8





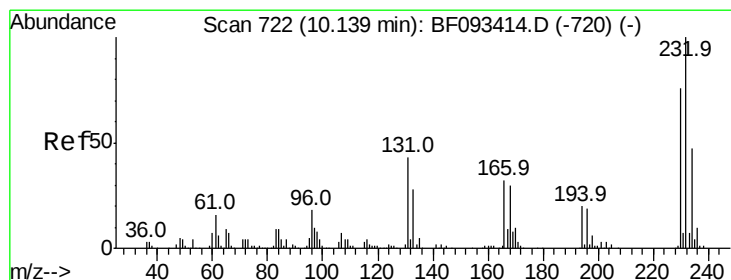
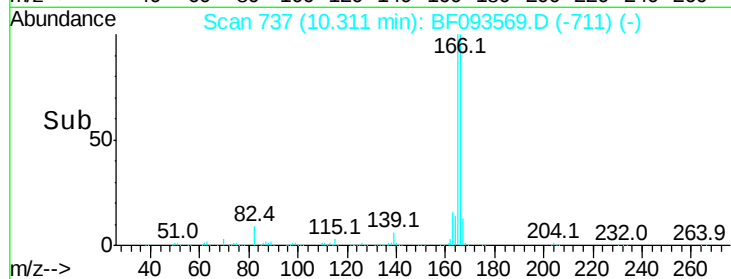
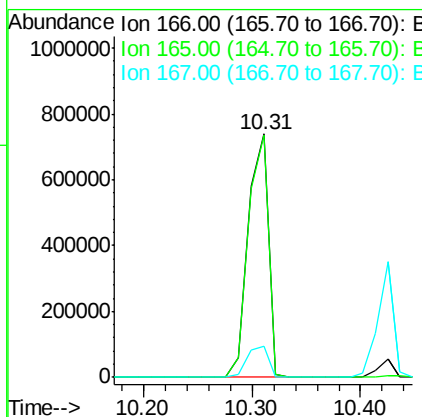
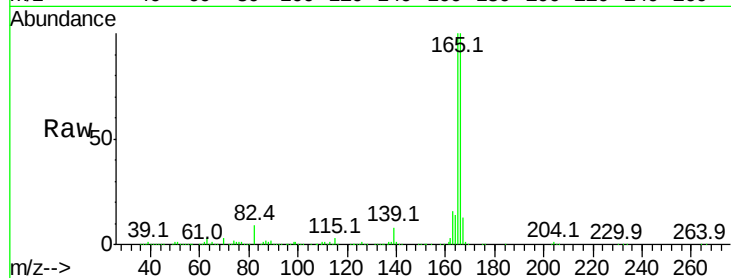
#57
Fluorene
 Concen: 48.38 ng
 RT: 10.31 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.6	77.8	116.8	
167	13.0	10.8	16.2	

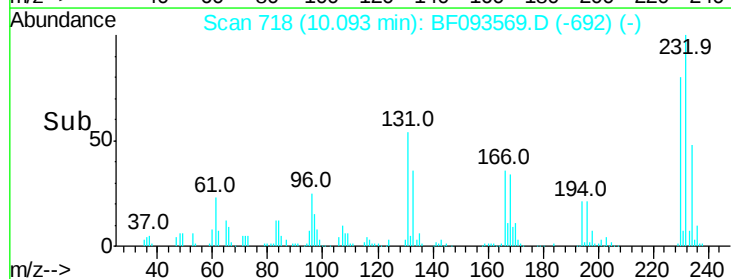
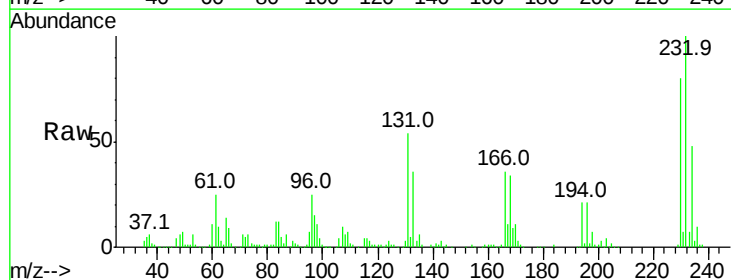
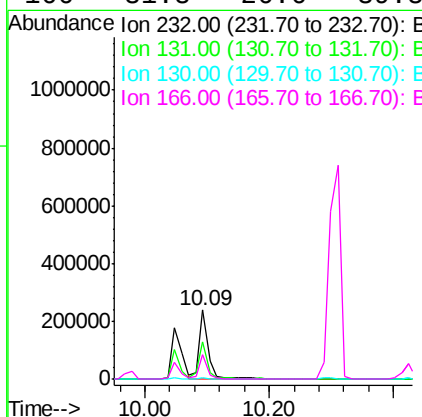
Manual Integrations
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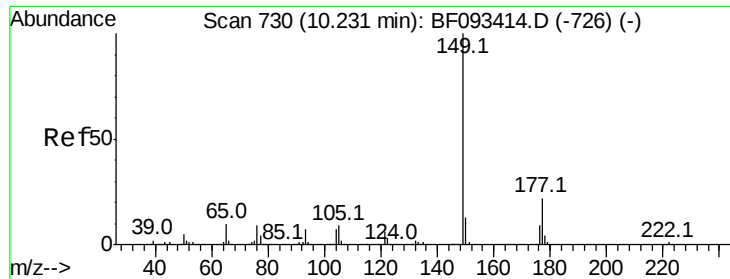
mohammad
 3/15/2017 5:31:57 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 55.95 ng
 RT: 10.09 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	50.0	40.1	60.1	
130	2.6	1.8	2.8	
166	31.8	26.6	39.8	





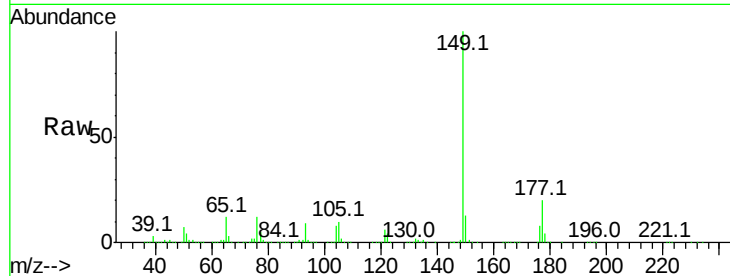
#59
Diethylphthalate
Concen: 45.88 ng
RT: 10.18 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampled :
PB97524BS

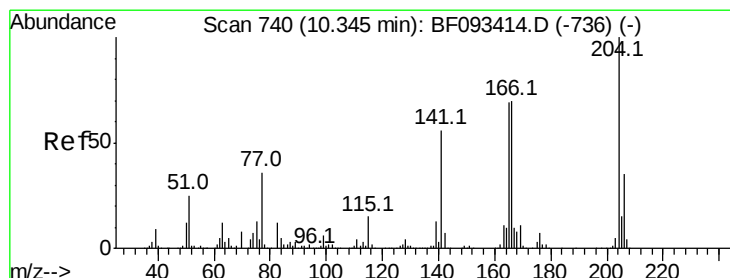
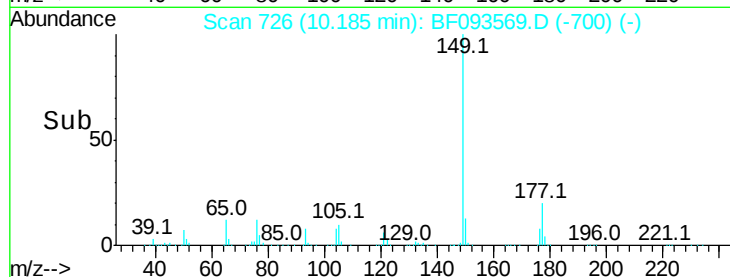
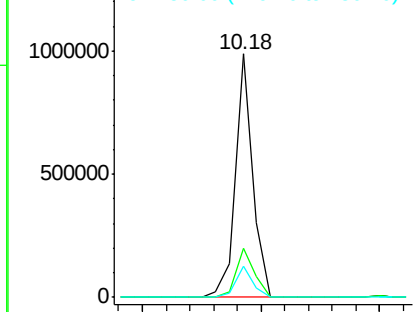
Tot Ion	Ratio	Resp	Lower	Upper
149	100	997010		
177	20.4	16.6	25.0	
150	12.6	10.4	15.6	

Manual Integrations
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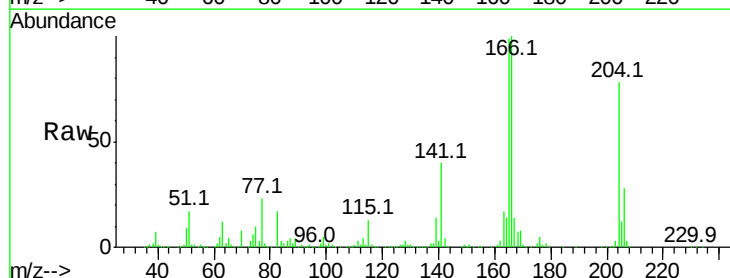


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

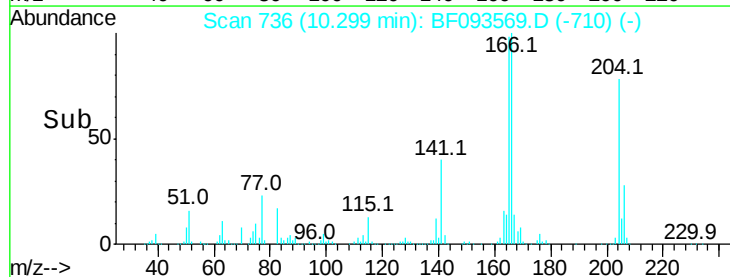
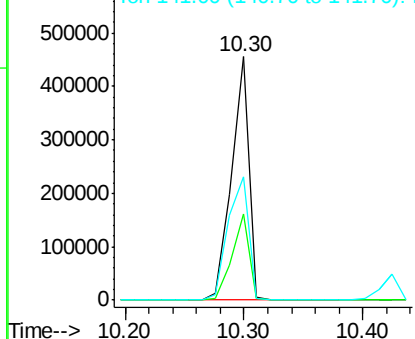


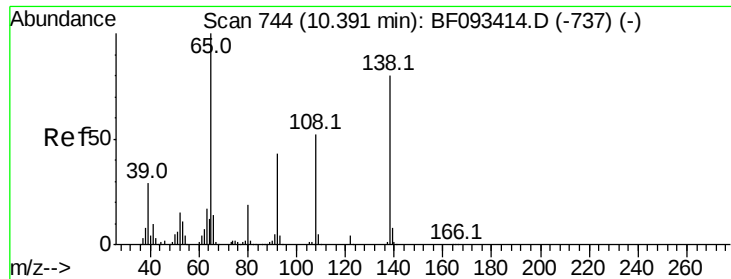
#60
4-Chlorophenyl-phenylether
Concen: 52.24 ng
RT: 10.30 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	463191		
206	35.4	25.8	38.6	
141	50.5	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: 40.89 ng

RT: 10.36 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion:138 Resp: 250655

Ion Ratio Lower Upper

138 100

92 54.1 31.7 71.7

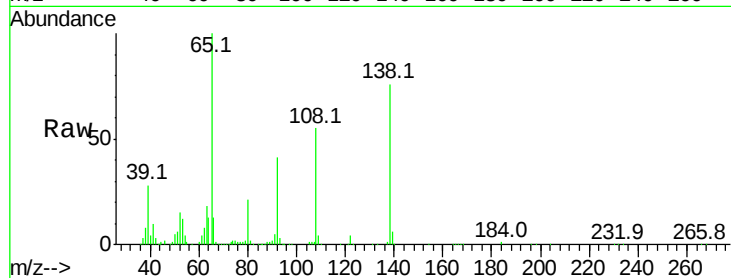
108 72.4 52.6 92.6

Manual Integrations

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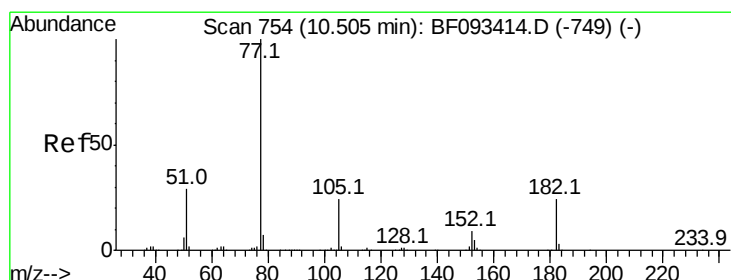
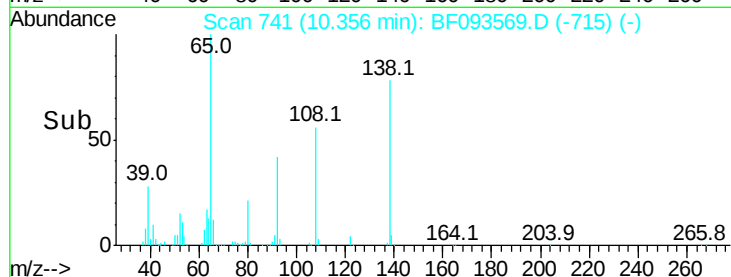
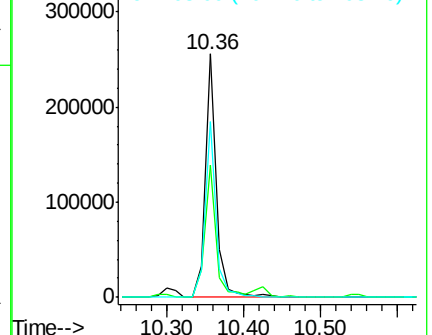
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 58.63 ng

RT: 10.46 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion: 77 Resp: 1447870

Ion Ratio Lower Upper

77 100

182 22.8 0.0 39.3

105 23.2 2.3 42.3

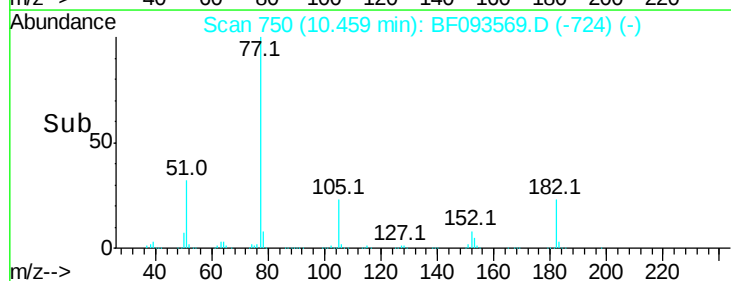
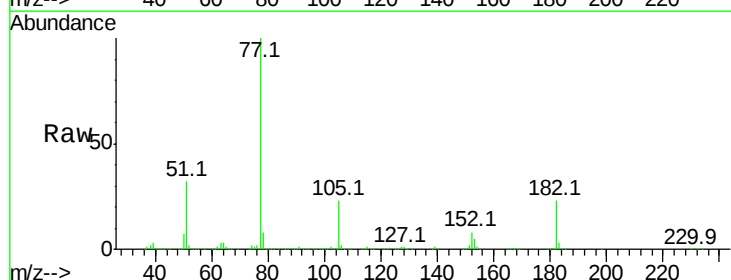
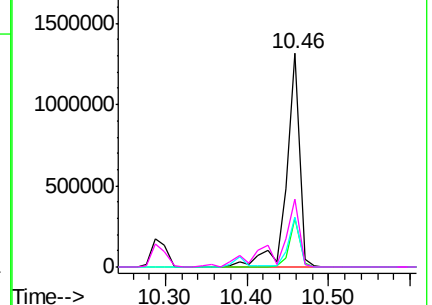
51 32.1 8.9 48.9

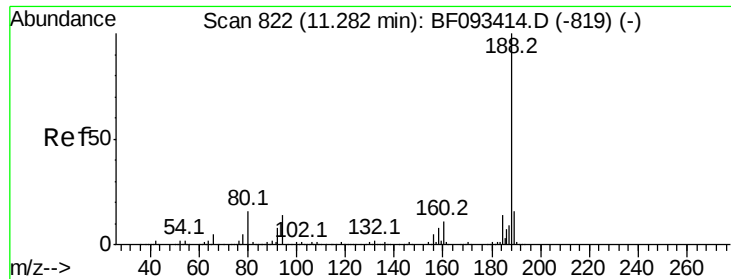
Abundance Ion 77.00 (76.70 to 77.70): BF0

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





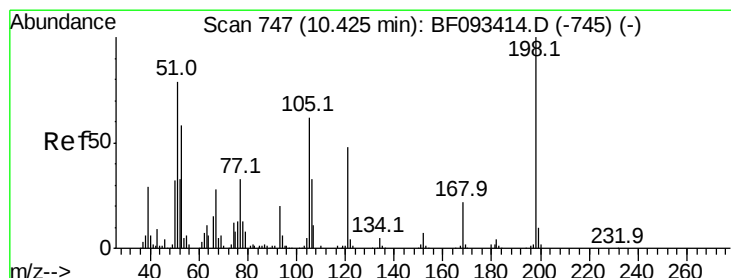
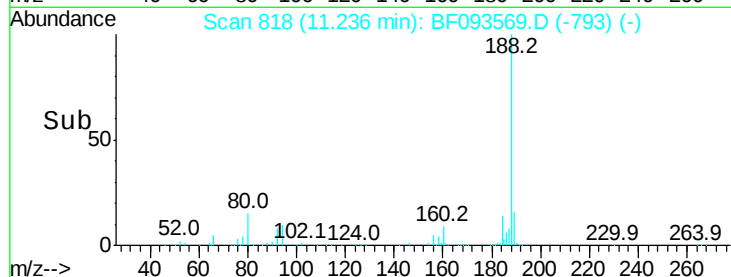
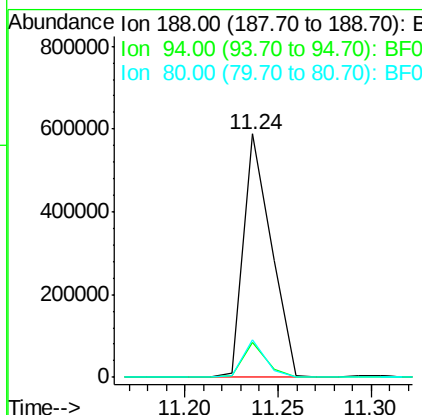
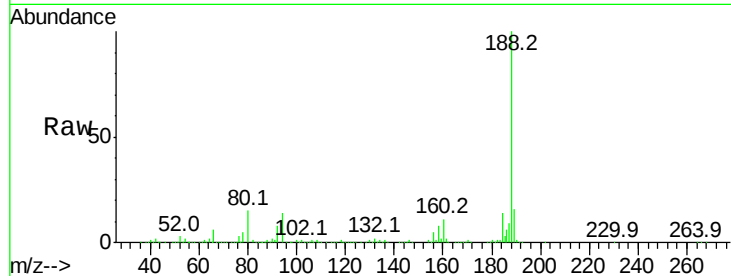
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	609821		
94	14.3		10.0	15.0
80	15.3		11.2	16.8

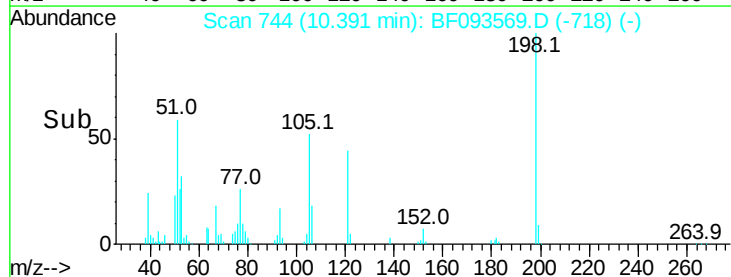
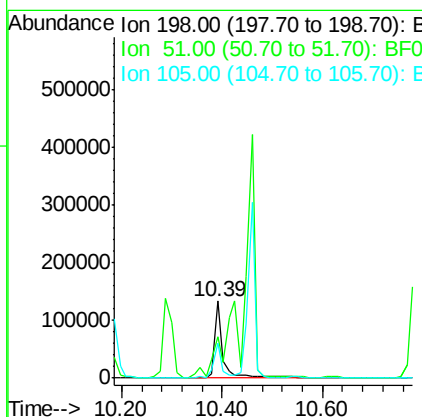
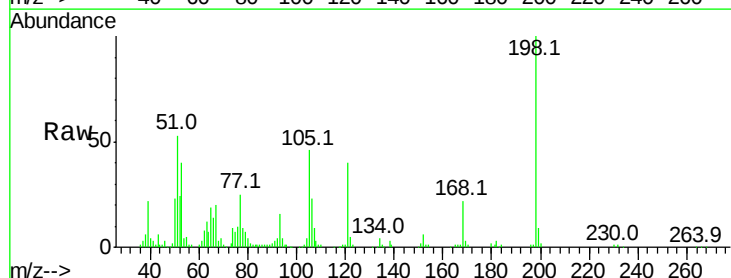
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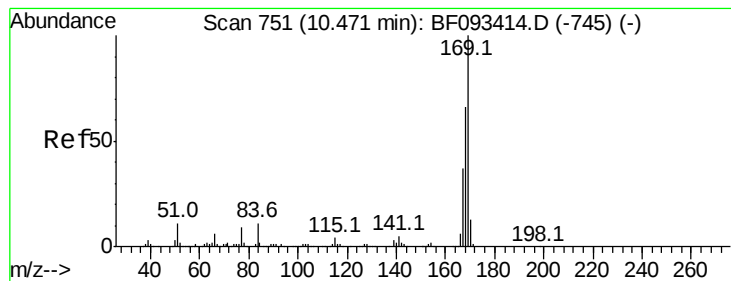
mohammad
3/15/2017 5:31:57 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 39.87 ng
RT: 10.39 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	157536		
51	53.2		6.7	46.7#
105	45.8		16.6	56.6





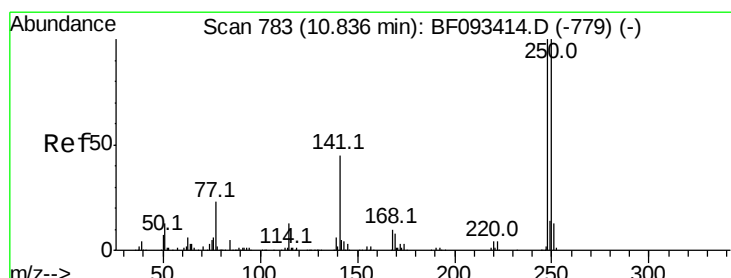
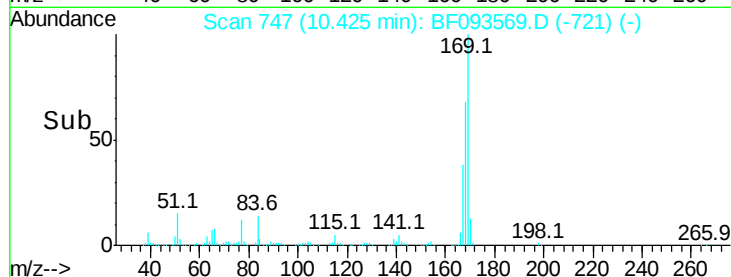
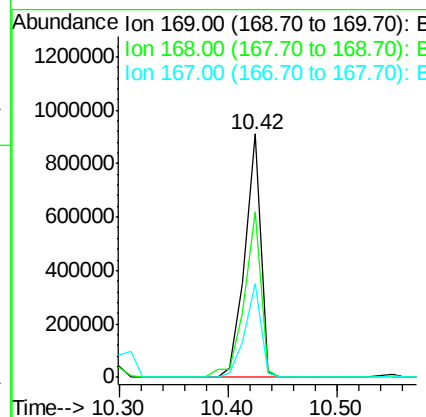
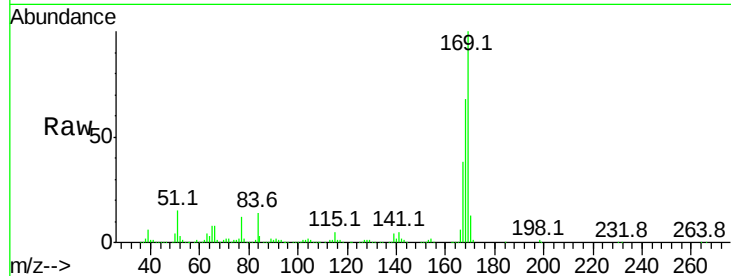
#65
n-Nitrosodiphenylamine
Concen: 44.85 ng
RT: 10.42 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	913219		
168	68.1		54.2	81.2
167	38.4		30.2	45.4

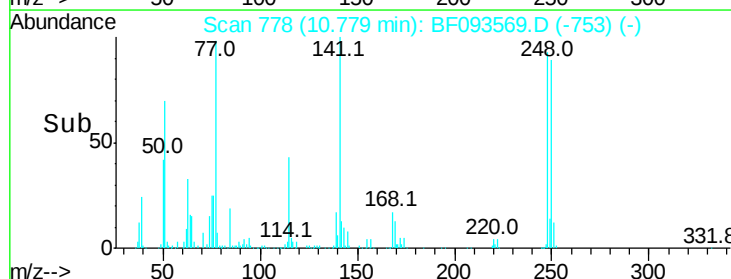
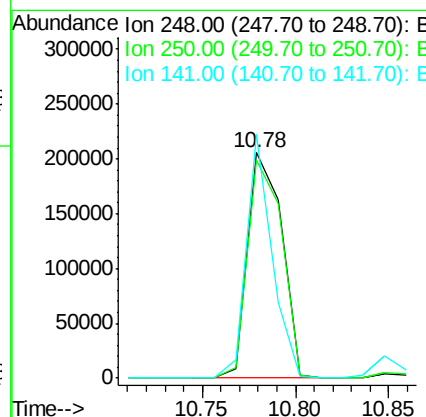
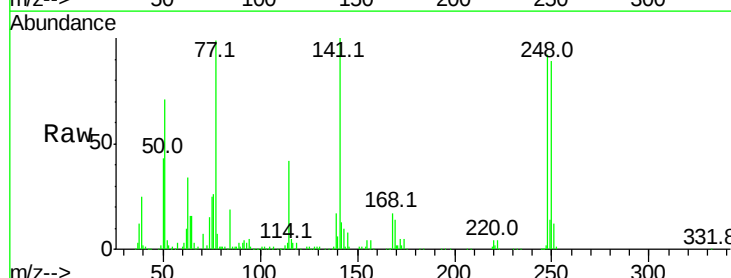
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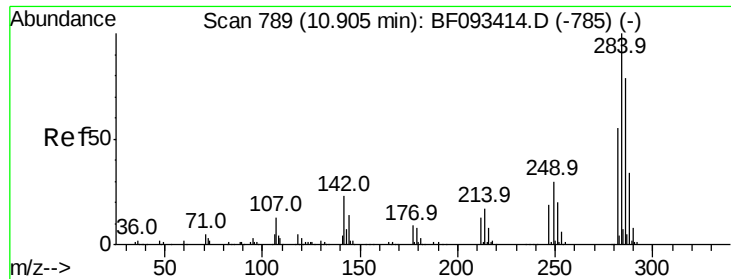
mohammad
3/15/2017 5:31:57 PM



#66
4-Bromophenyl-phenylether
Concen: 40.51 ng
RT: 10.78 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	261251		
250	96.6		76.9	115.3
141	108.1		68.2	102.4#





#67

Hexachlorobenzene

Concen: 41.10 ng

RT: 10.86 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

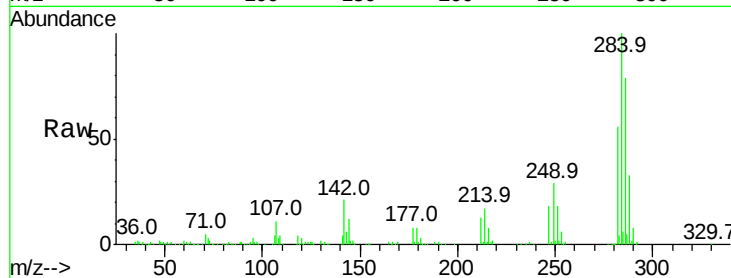
ClientSampled :

PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	253086		
142	20.7		22.6	33.8#
249	29.0		25.4	38.0

Manual Integrations
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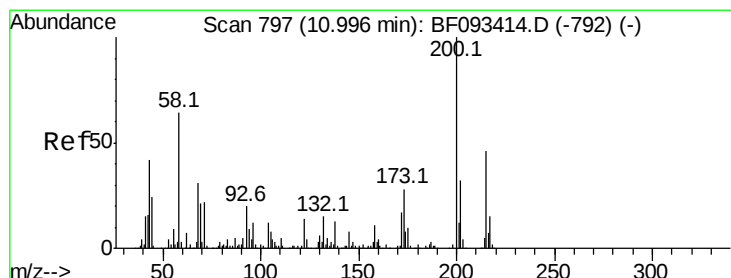
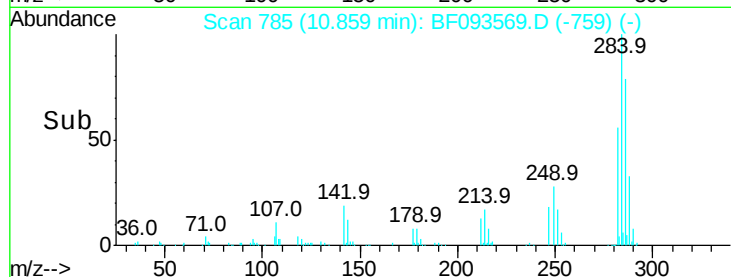
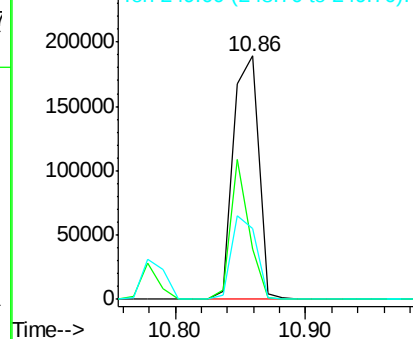
mohammad
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 41.89 ng

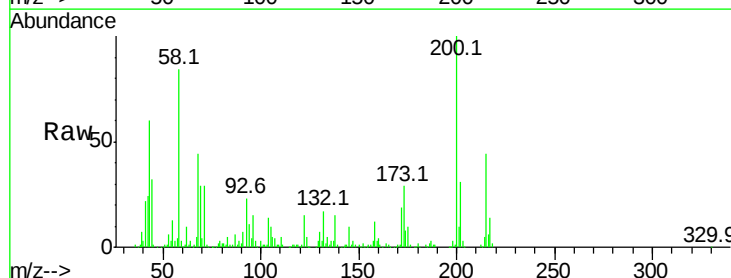
RT: 10.95 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

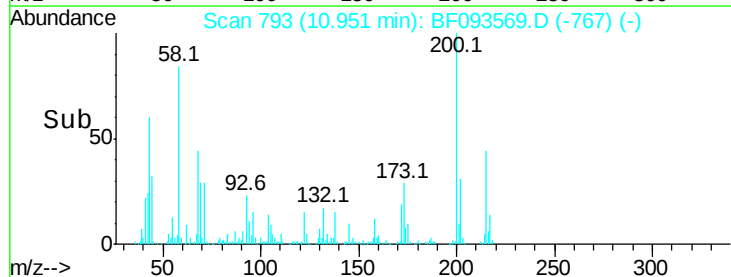
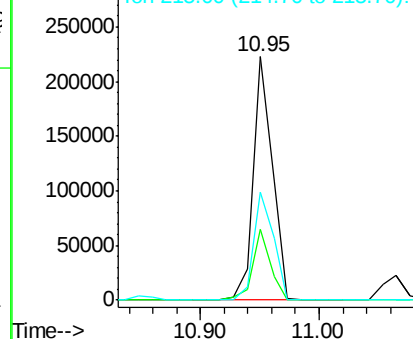
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	249668		
173	29.1		9.6	49.6
215	44.4		25.7	65.7

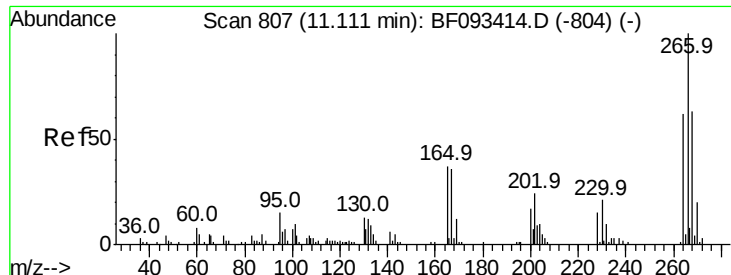


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





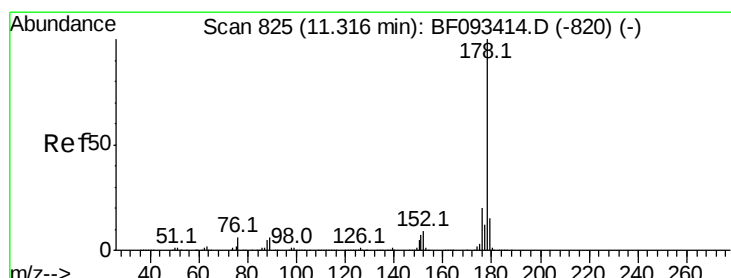
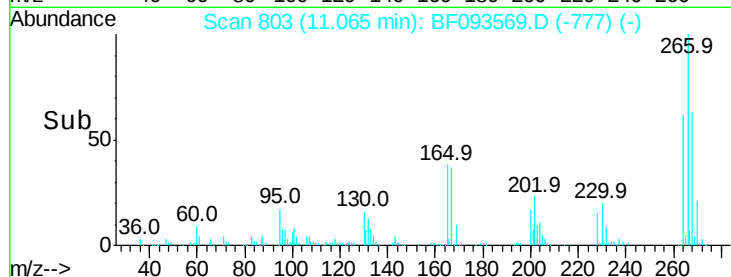
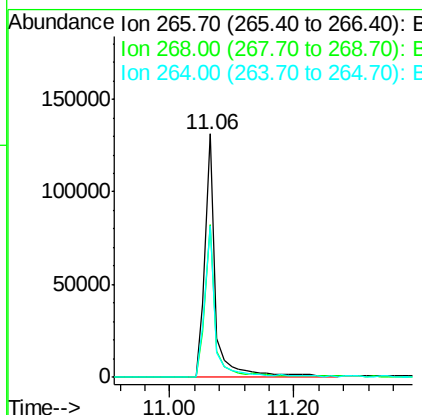
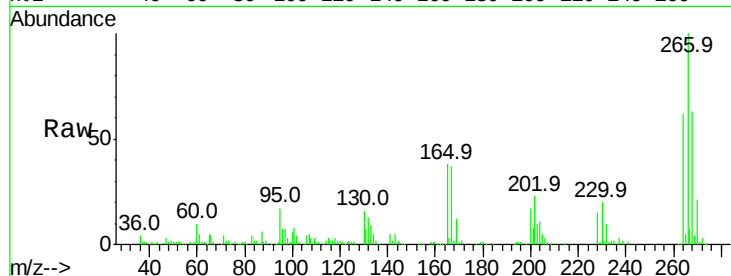
#69
 Pentachlorophenol
 Concen: 75.72 ng
 RT: 11.06 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	160981		
268	62.8	53.3	79.9	
264	62.2	50.3	75.5	

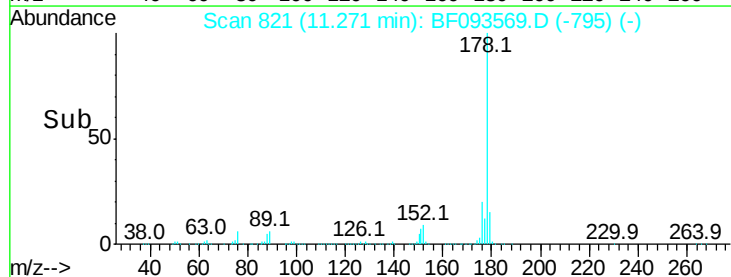
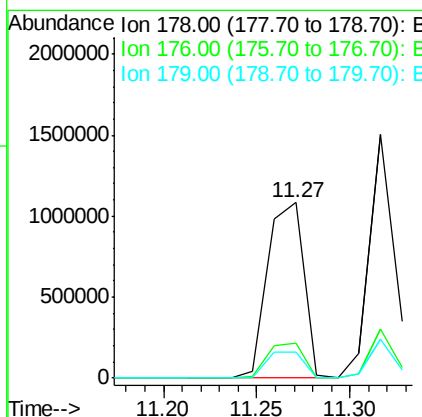
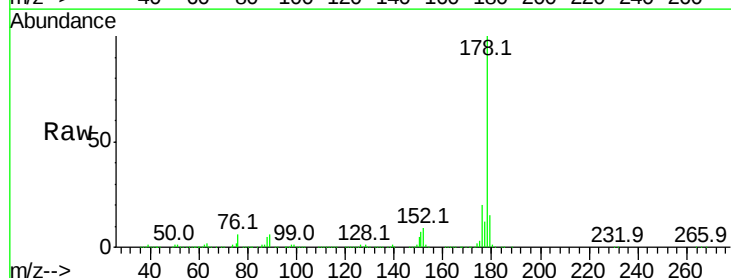
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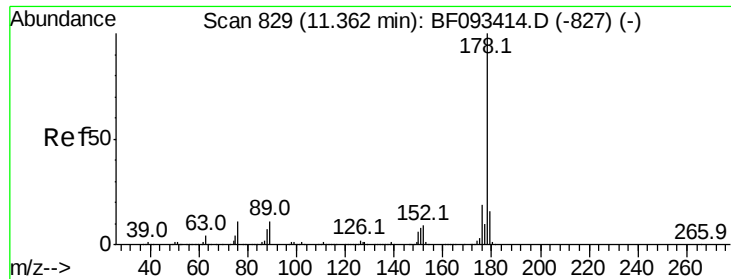
mohammad
 3/15/2017 5:31:57 PM



#70
 Phenanthrene
 Concen: 42.08 ng
 RT: 11.27 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1464816		
176	20.1	16.6	25.0	
179	15.2	12.8	19.2	





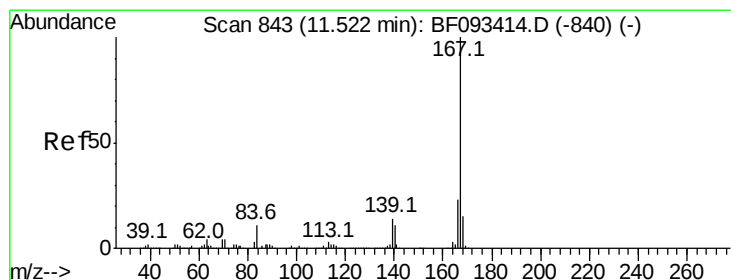
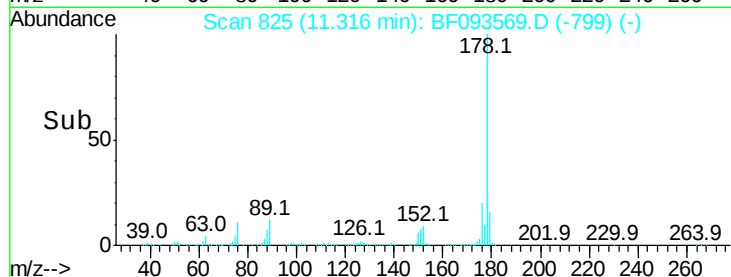
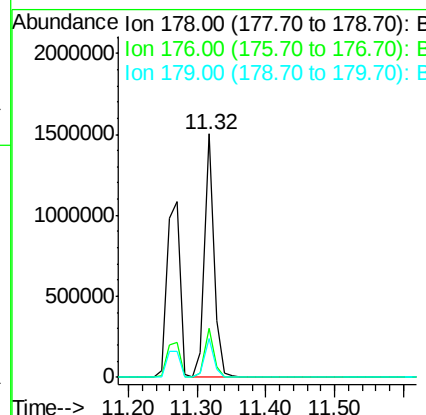
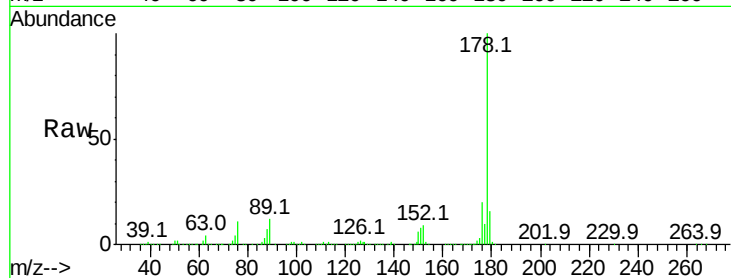
#71
 Anthracene
 Concen: 39.93 ng
 RT: 11.32 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	16.0	13.2	19.8

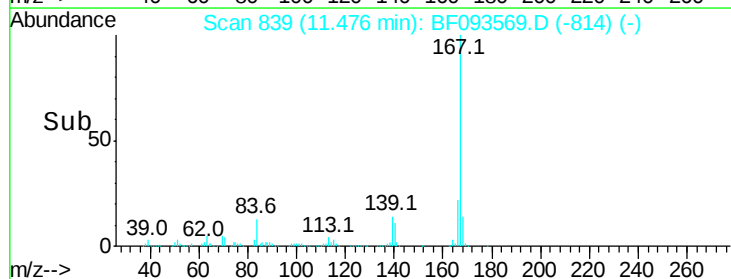
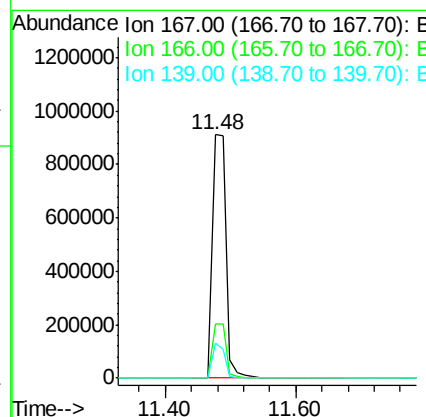
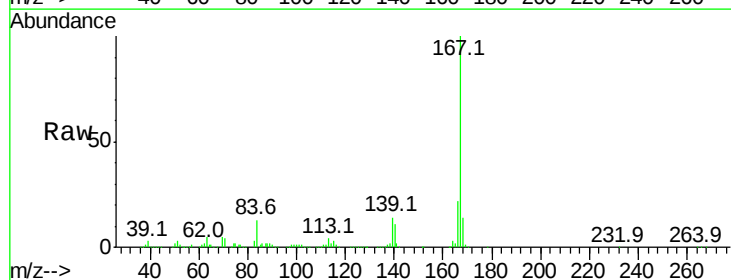
Manual Integrations
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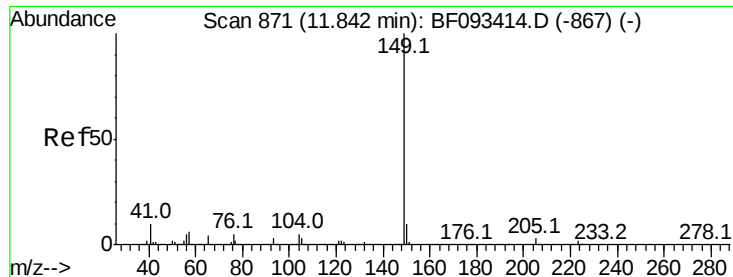
mohammad
 3/15/2017 5:31:57 PM



#72
 Carbazole
 Concen: 40.31 ng
 RT: 11.48 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.2
139	14.3	11.4	17.2





#73

Di-n-butylphthalate

Concen: 45.10 ng

RT: 11.81 min Scan# 868

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB97524BS

Tot Ion:149 Resp: 1725849

Ion Ratio Lower Upper

149 100

150 9.2 8.1 12.1

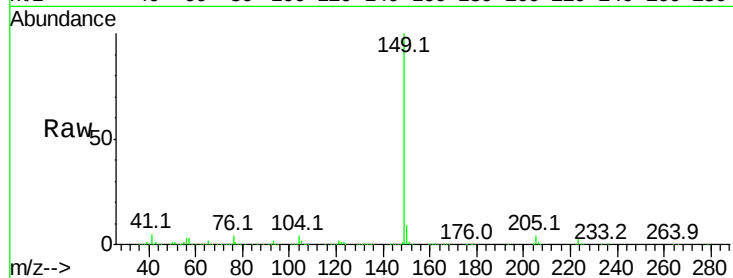
104 4.0 4.6 7.0#

Manual Integrations

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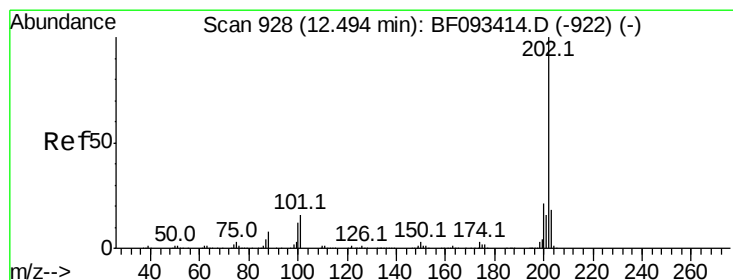
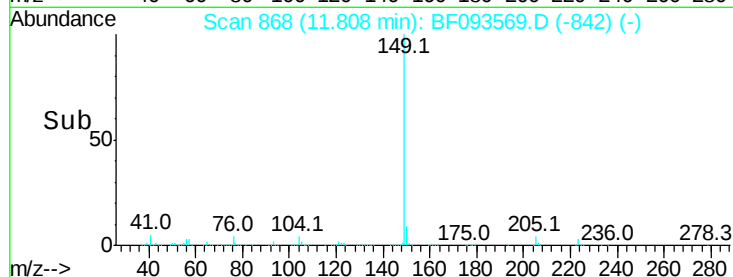
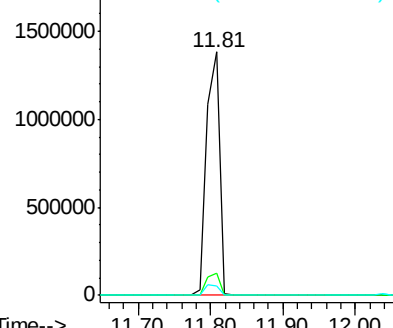
3/15/2017 5:31:57 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.47 ng

RT: 12.45 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

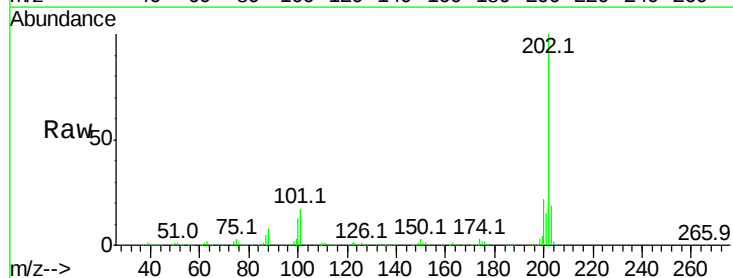
Tgt Ion:202 Resp: 1394190

Ion Ratio Lower Upper

202 100

101 16.9 0.0 34.6

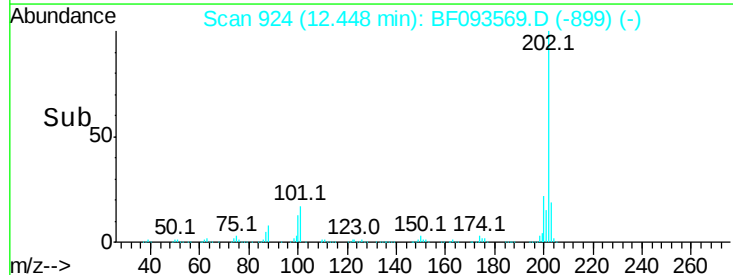
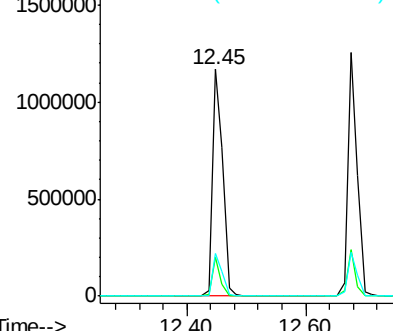
203 18.6 0.0 38.7

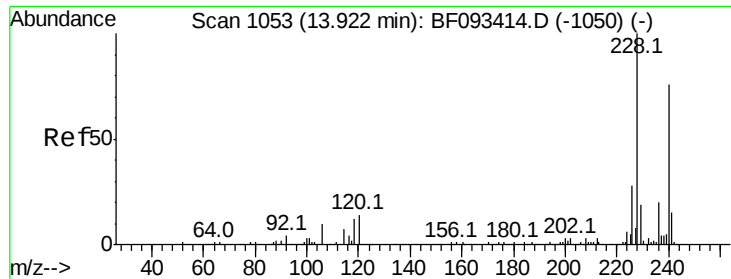


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

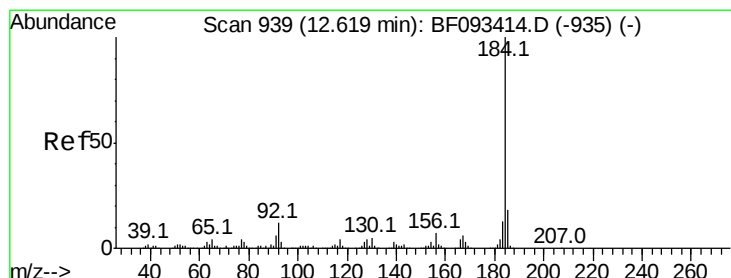
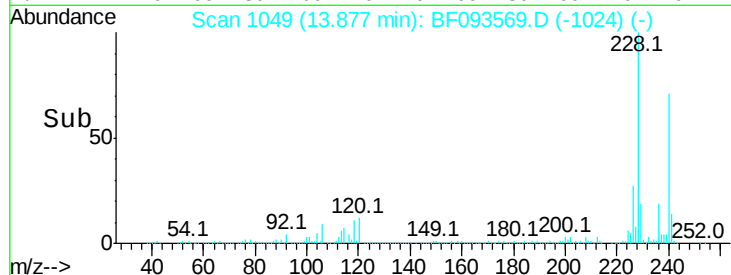
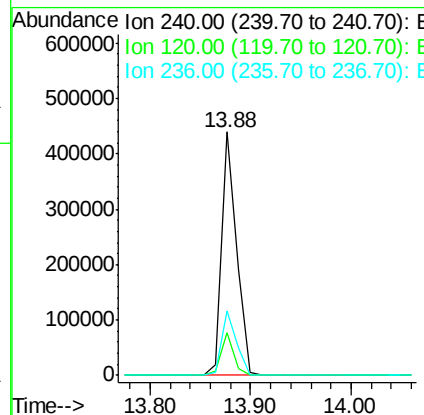
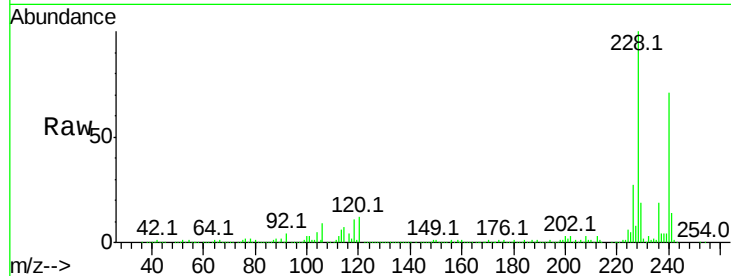
ClientSampleID :

PB97524BS

Tot Ion:	240	Resp:	453024
Ion Ratio	Lower	Upper	
240	100		
120	17.4	12.9	19.3
236	26.5	20.9	31.3

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#76

Benzidine

Concen: 25.95 ng

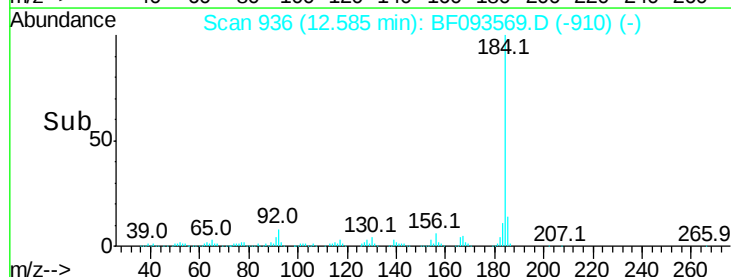
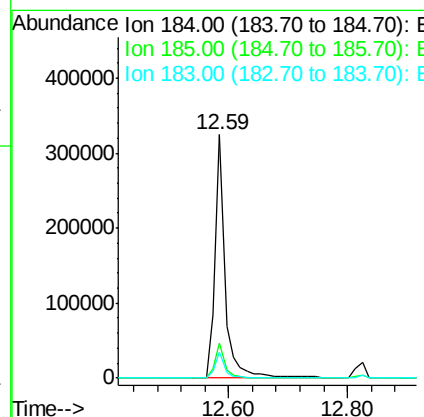
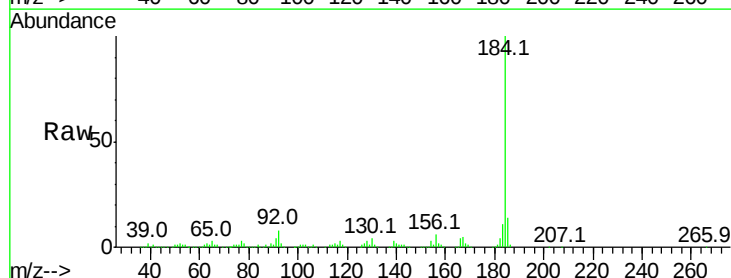
RT: 12.59 min Scan# 936

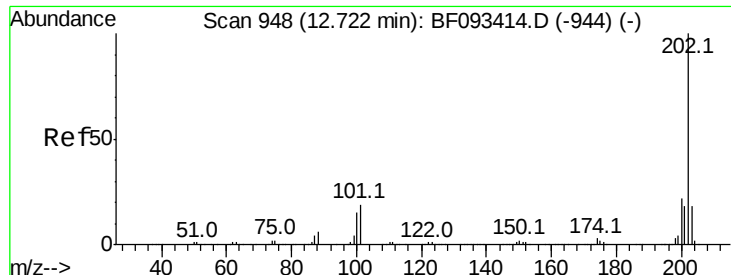
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion:	184	Resp:	386518
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.4	20.0
183	10.8	9.2	13.8





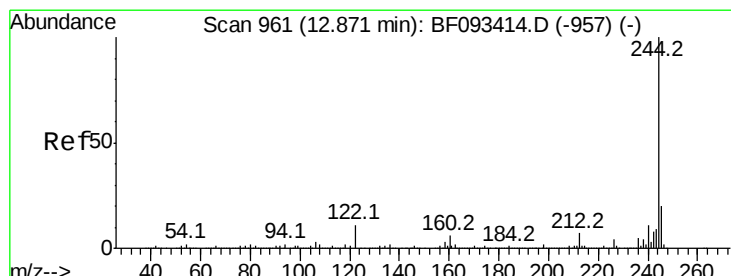
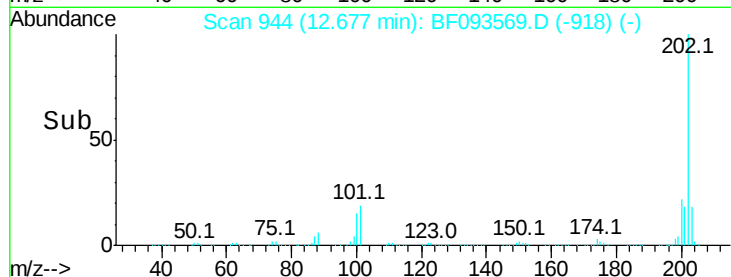
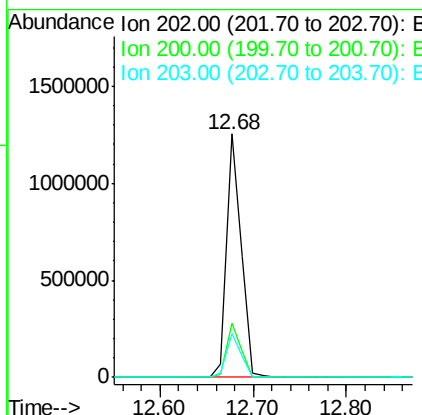
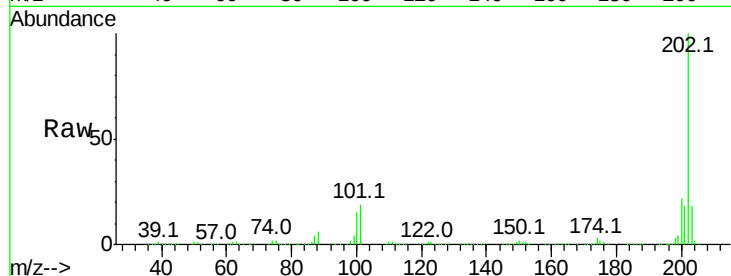
#77
Pvrene
Concen: 41.23 ng
RT: 12.68 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

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

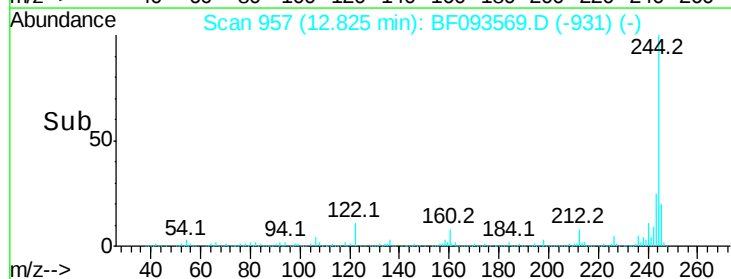
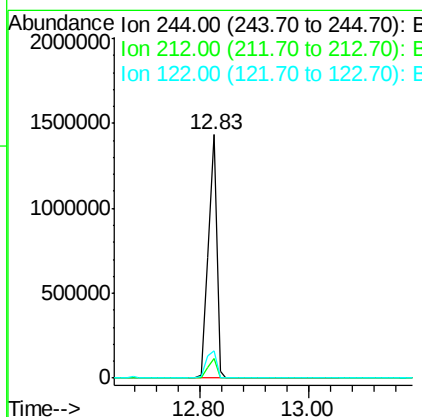
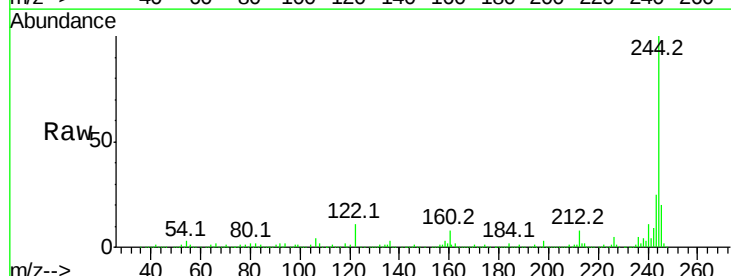
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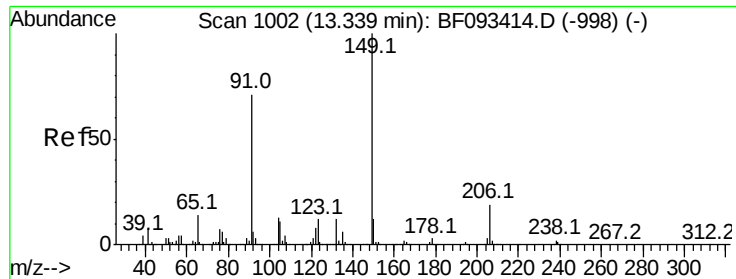
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#78
Terphenyl-d14
Concen: 87.73 ng
RT: 12.83 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.3	11.4	17.2#





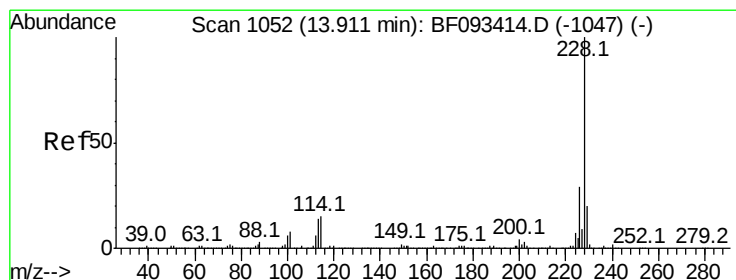
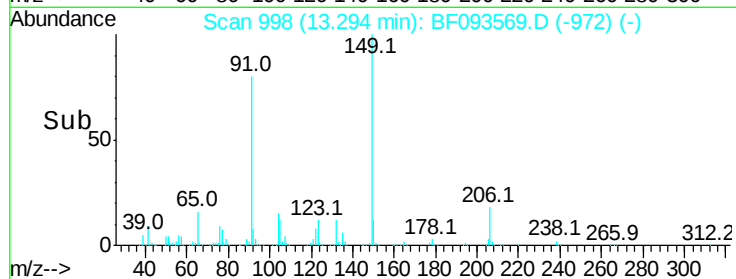
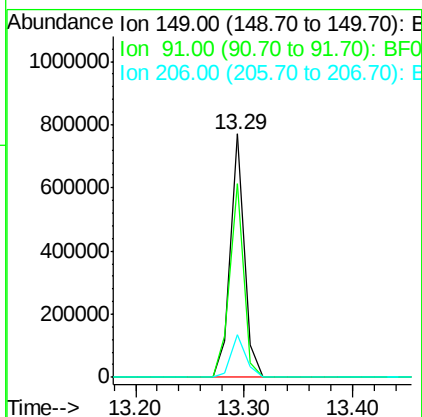
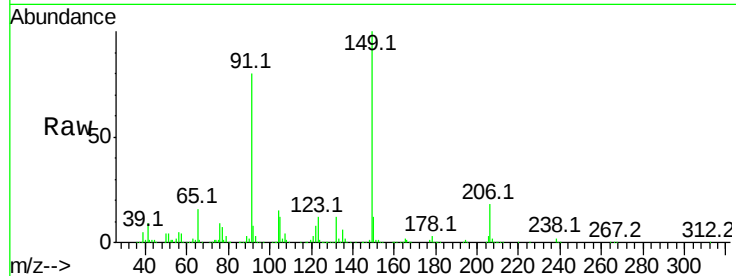
#79
Butylbenzylphthalate
Concen: 49.28 ng
RT: 13.29 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampled :
PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	683477		
91	79.7	63.9	95.9	
206	17.6	14.6	21.8	

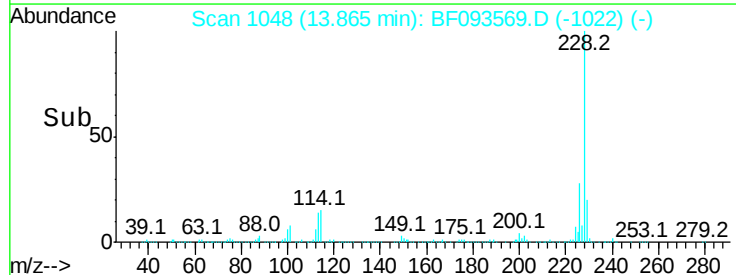
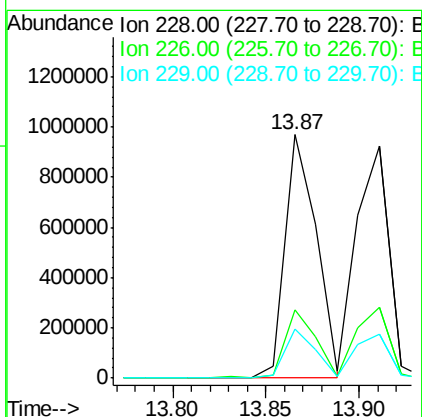
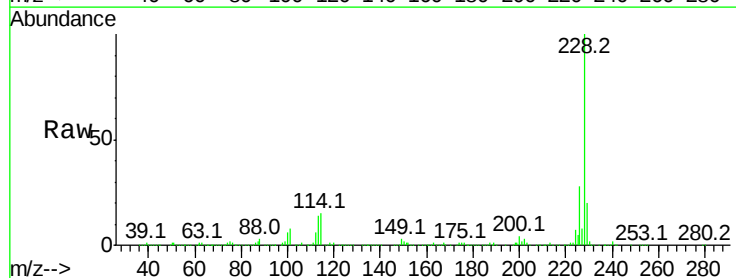
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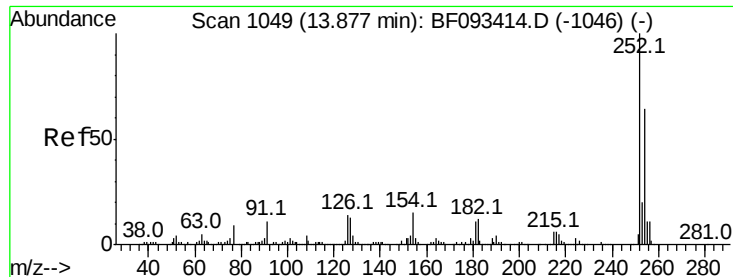
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#80
Benzo(a)anthracene
Concen: 42.61 ng
RT: 13.87 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1139962		
226	28.2	22.4	33.6	
229	20.0	16.2	24.4	





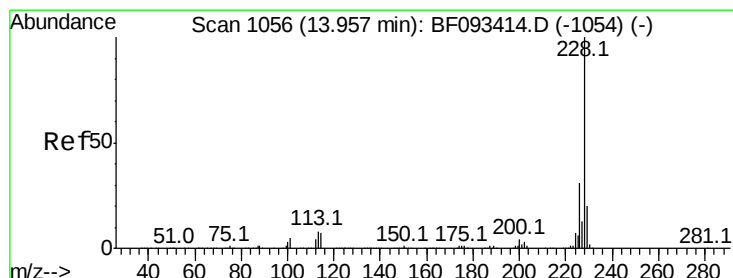
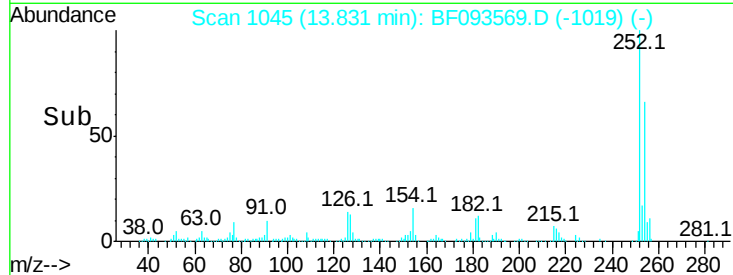
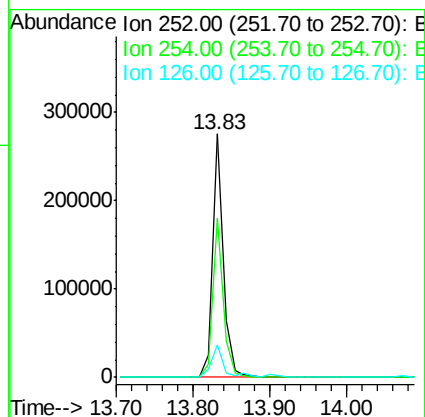
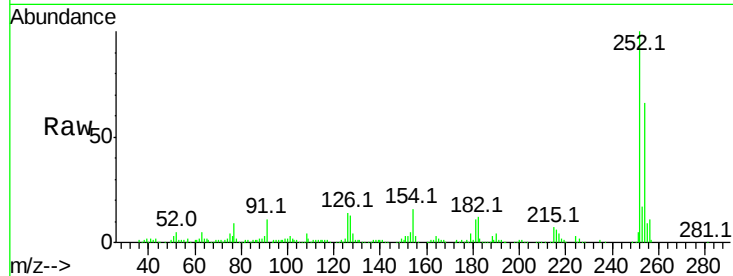
#81
 3,3'-Dichlorobenzidine
 Concen: 27.85 ng
 RT: 13.83 min Scan# 1045
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	260933		
254	65.5	52.3	78.5	
126	13.5	13.6	20.4	

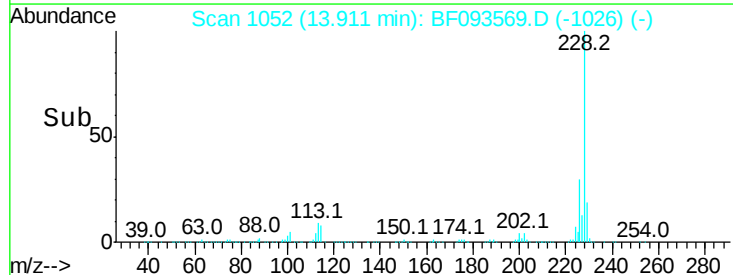
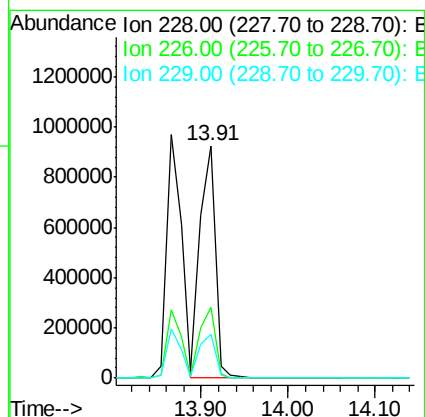
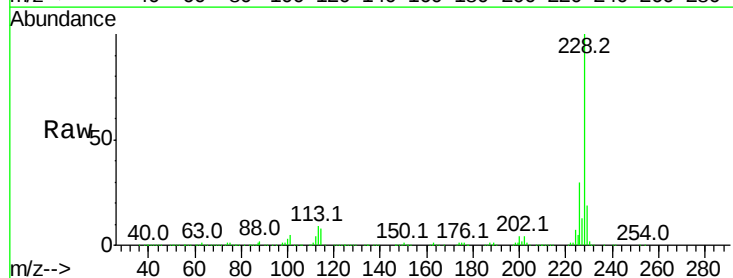
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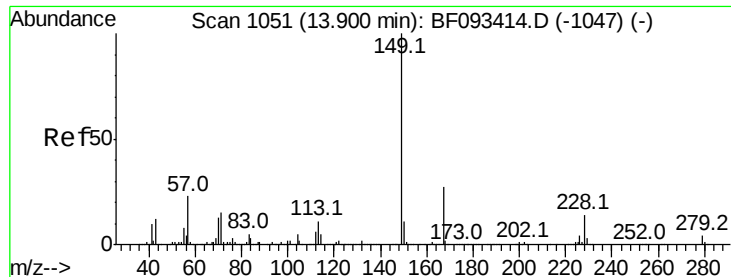
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#82
 Chrysene
 Concen: 45.73 ng
 RT: 13.91 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1131835		
226	30.4	25.4	38.0	
229	19.0	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 49.80 ng

RT: 13.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Instrument :

BNA_F

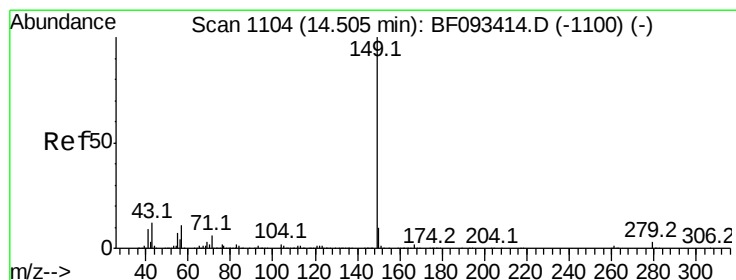
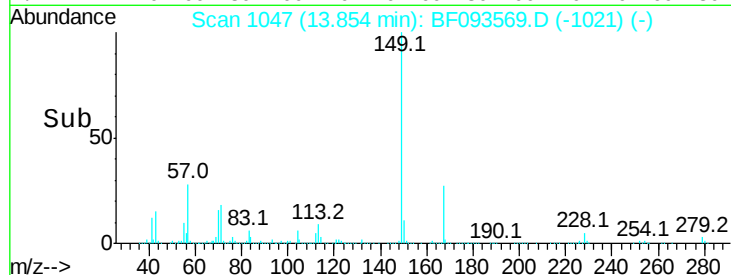
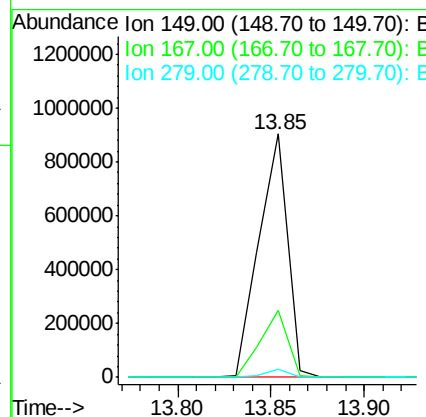
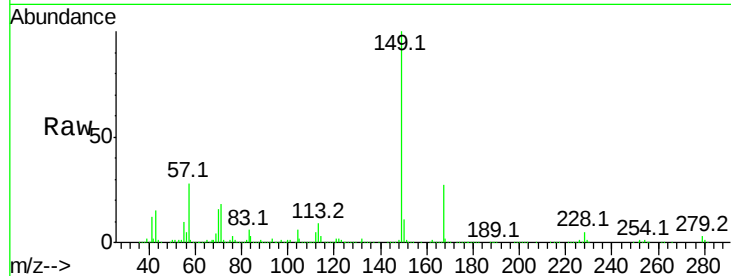
ClientSampleId :

PB97524BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	20.2	30.4
279	3.3	1.8	2.8

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#84

Di-n-octyl phthalate

Concen: 45.70 ng

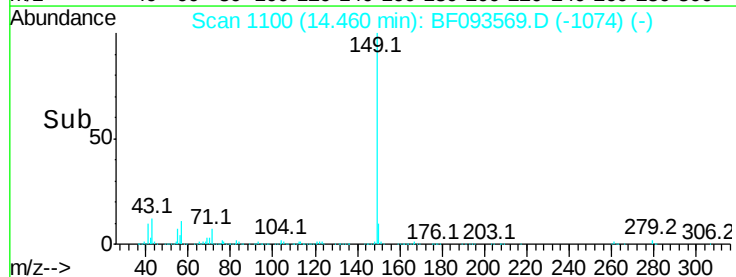
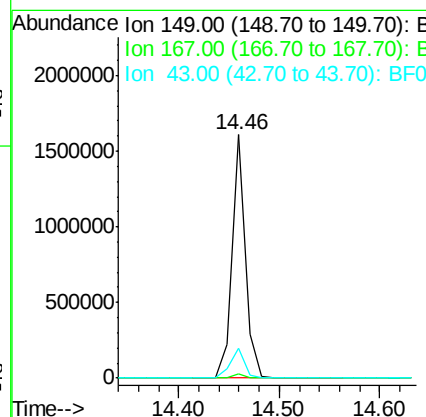
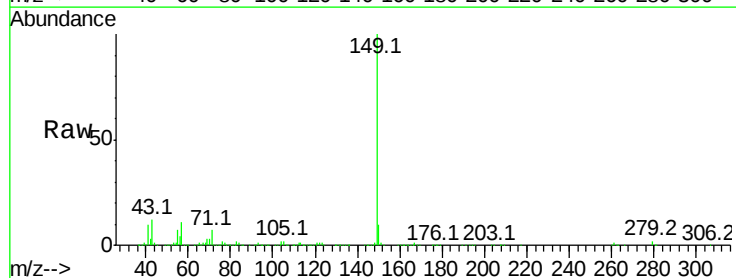
RT: 14.46 min Scan# 1100

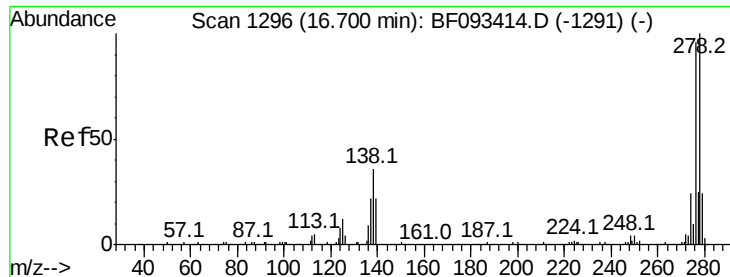
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.5	8.9	13.3





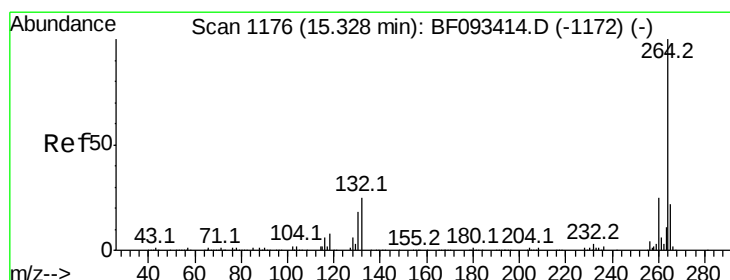
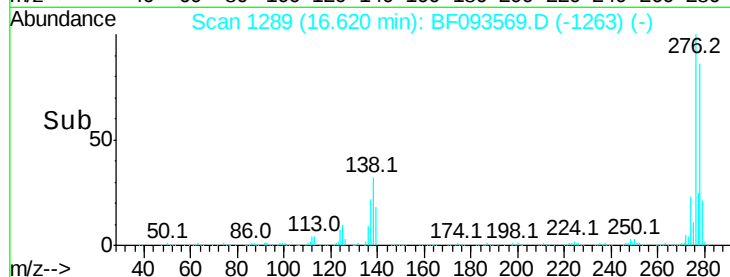
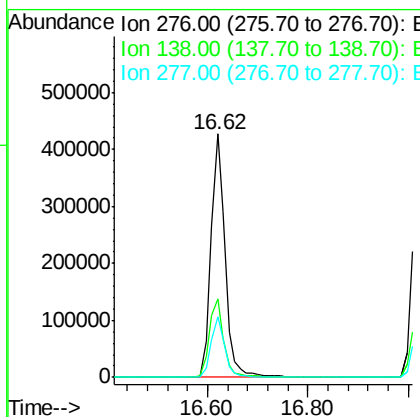
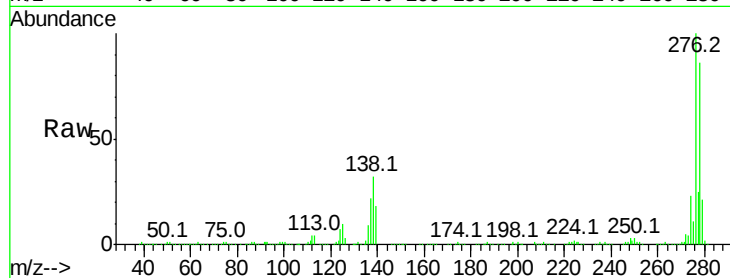
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.24 ng
 RT: 16.62 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	21.8	32.6
277	24.4	20.2	30.4

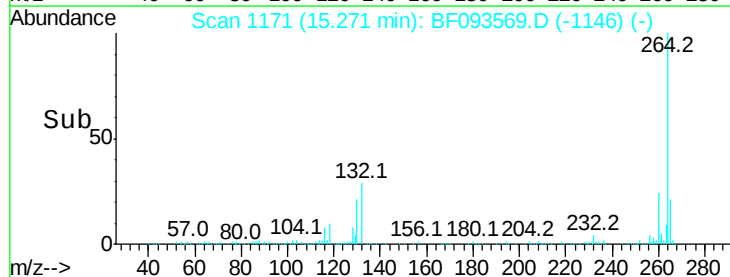
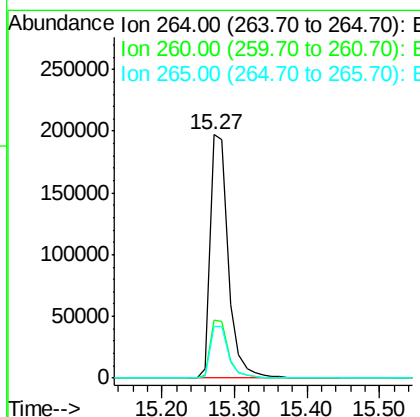
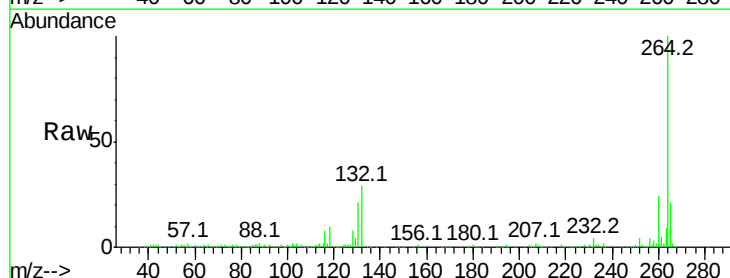
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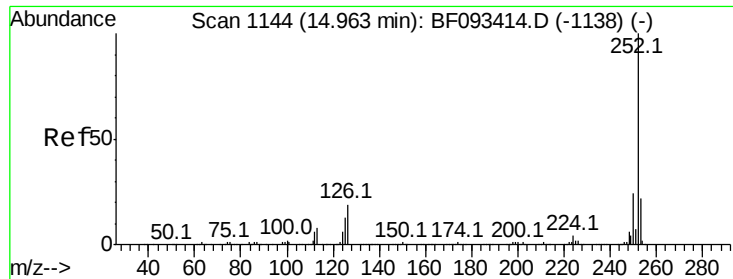
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 60.55 ng m

RT: 14.88 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

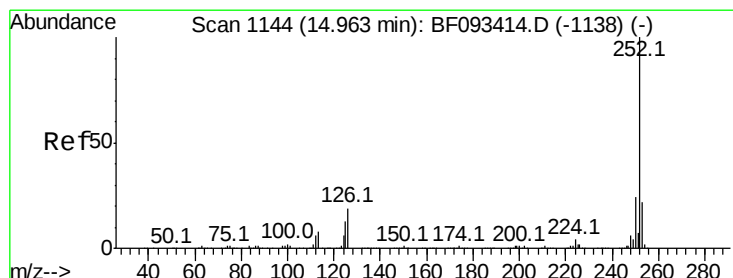
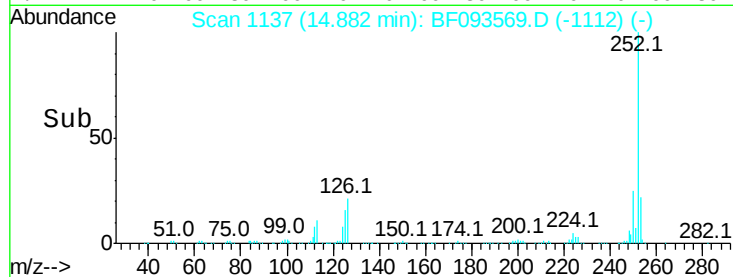
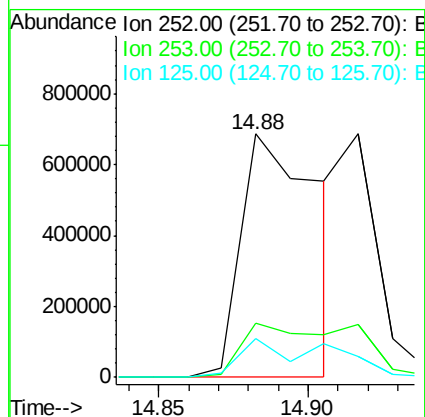
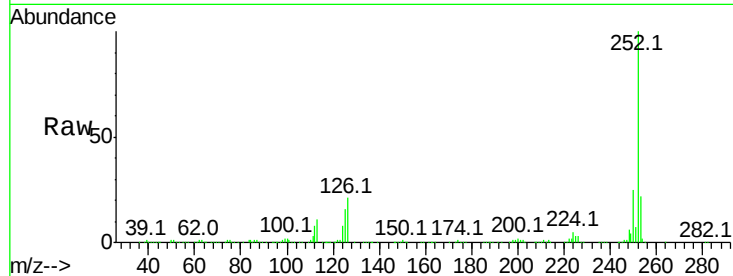
Instrument :
BNA_F

ClientSampleId :
PB97524BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	16.0	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 29.05 ng m

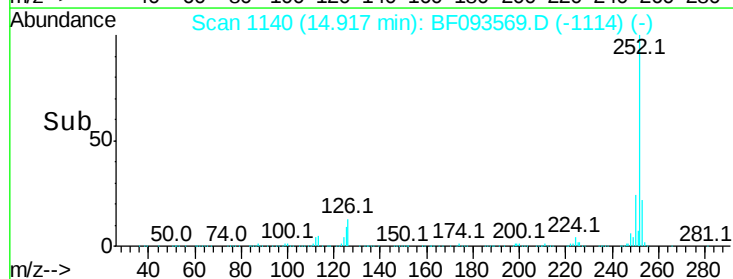
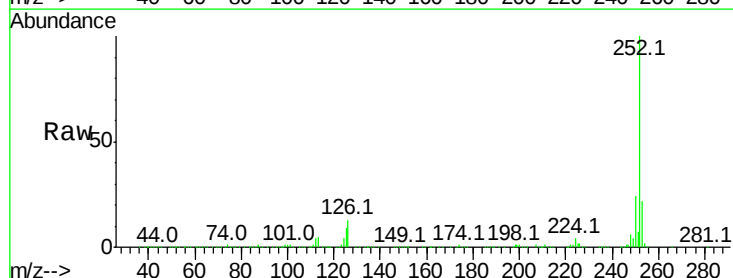
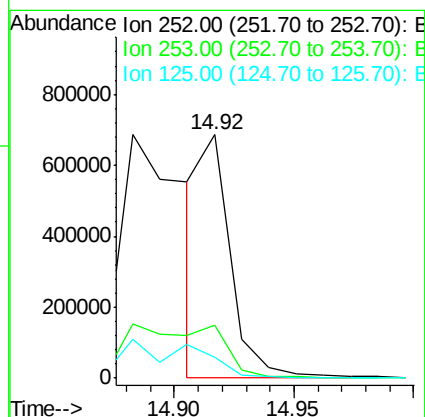
RT: 14.92 min Scan# 1140

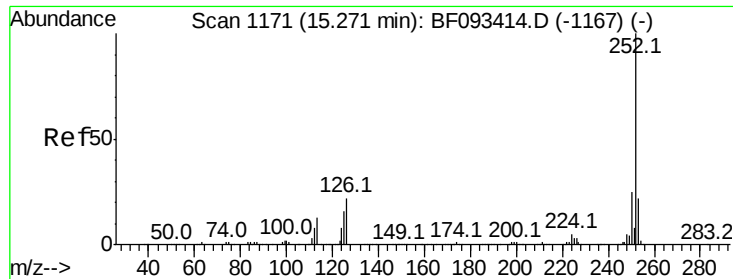
Delta R.T. 0.00 min

Lab File: BF093569.D

Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	8.7	8.9	13.3





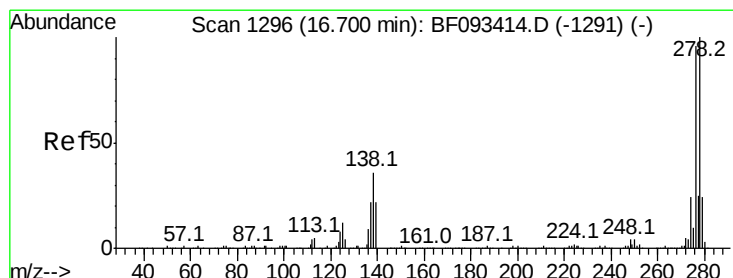
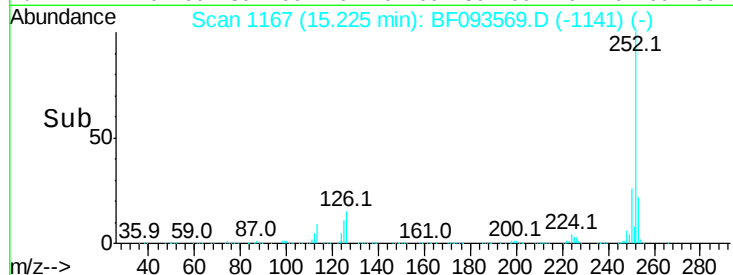
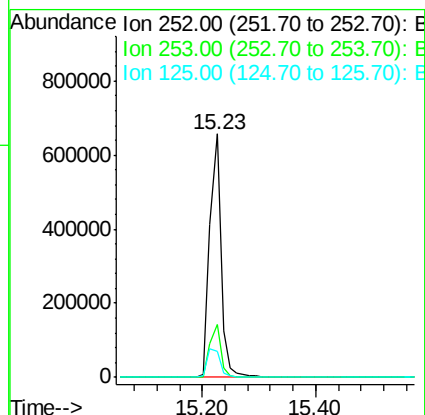
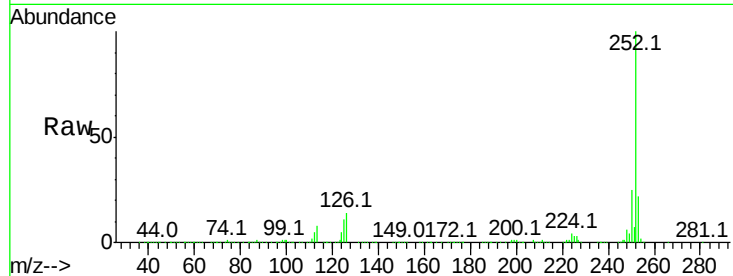
#89
Benzo(a)pyrene
Concen: 45.65 ng
RT: 15.23 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB97524BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.6	10.0	15.0

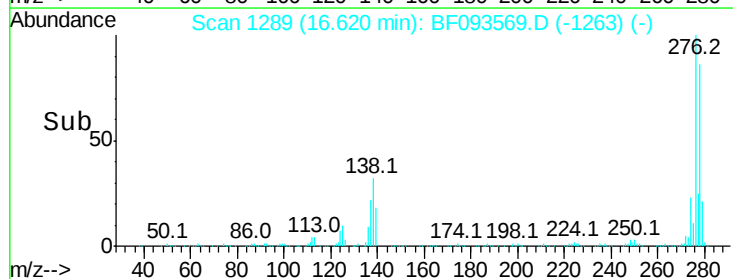
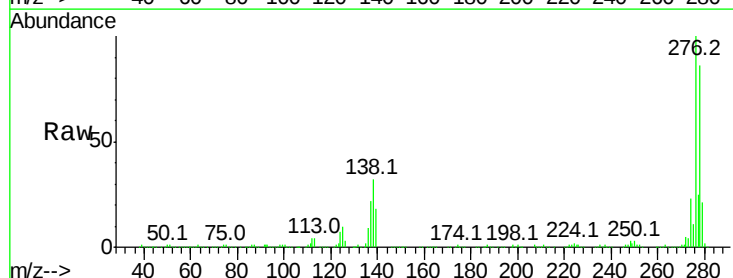
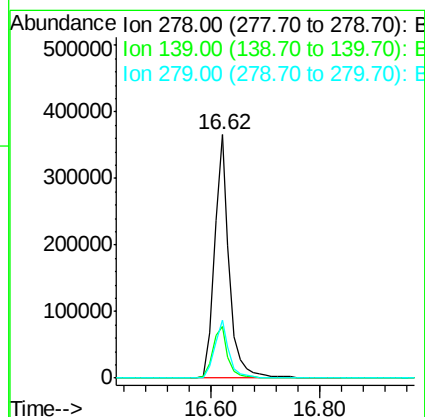
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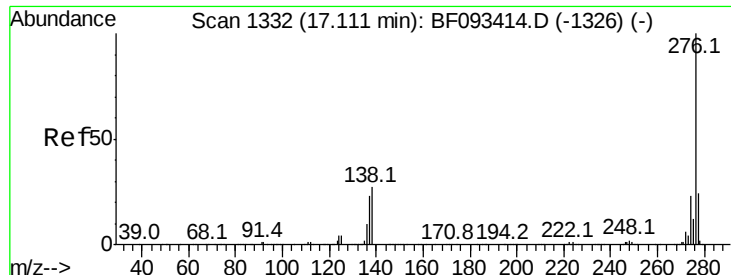
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#90
Dibenzo(a,h)anthracene
Concen: 44.37 ng
RT: 16.62 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BF093569.D
Acq: 11 Mar 2017 16:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.8	22.2
279	24.0	19.8	29.6





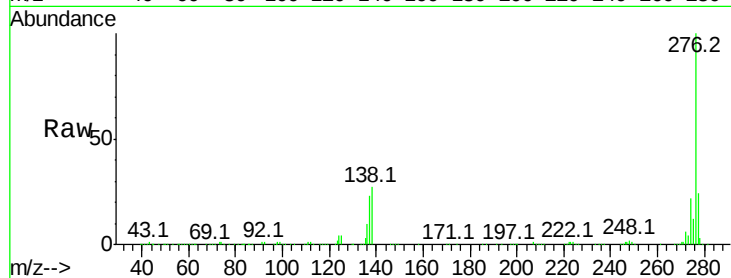
#91
 Benzo(a,h,i)perylene
 Concen: 45.17 ng
 RT: 17.02 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF093569.D
 Acq: 11 Mar 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB97524BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	27.4	16.0	24.0

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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

