

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093640.D
 Acq On : 14 Mar 2017 6:39
 Operator : SJ/MA
 Sample : I2201-17MS
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:38:34 PM

Quant Time: Mar 15 08:56:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	174111	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	728994	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	353530	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	632942	20.00	ng	0.00
75) Chrysene-d12	13.90	240	512469	20.00	ng	0.01
86) Perylene-d12	15.31	264	360310	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1603748	153.30	ng	0.00
7) Phenol-d6	6.38	99	1905201	144.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	1388500	105.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	356418	154.74	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	2013821	105.95	ng	0.00
78) Terphenyl-d14	12.84	244	1672804	84.87	ng	0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.34	88	253838	44.05	ng	# 84
3) Pyridine	3.05	79	358287m	24.39	ng	
4) n-Nitrosodimethylamine	2.95	42	366614	52.25	ng	78
6) Aniline	6.45	93	803018m	44.35	ng	
8) 2-Chlorophenol	6.50	128	575507	49.10	ng	97
9) Benzaldehyde	6.26	77	367365	51.68	ng	92
10) Phenol	6.39	94	805240	49.81	ng	# 74
11) bis(2-Chloroethyl)ether	6.45	93	878551	67.24	ng	89
12) 1,3-Dichlorobenzene	6.64	146	629259m	46.90	ng	
13) 1,4-Dichlorobenzene	6.72	146	644159	46.90	ng	98
14) 1,2-Dichlorobenzene	6.88	146	560581	46.09	ng	96
15) Benzyl Alcohol	6.88	79	499654	53.13	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	1055334	48.62	ng	71
17) 2-Methylphenol	7.01	107	525680	53.02	ng	96
18) Hexachloroethane	7.21	117	229525	49.55	ng	98
19) n-Nitroso-di-n-propylamine	7.14	70	533819	58.86	ng	99
20) 3+4-Methylphenols	7.17	107	735829	57.23	ng	# 74
22) Acetophenone	7.13	105	872843	49.76	ng	# 98
24) Nitrobenzene	7.30	77	726836	49.22	ng	98
25) Isophorone	7.54	82	1343256	50.70	ng	# 93
26) 2-Nitrophenol	7.62	139	344590	51.15	ng	93
27) 2,4-Dimethylphenol	7.68	122	555327	50.67	ng	97
28) bis(2-Chloroethoxy)methane	7.76	93	881606	52.71	ng	100
29) 2,4-Dichlorophenol	7.89	162	579843	56.24	ng	89
30) 1,2,4-Trichlorobenzene	7.94	180	515934	47.05	ng	95
31) Naphthalene	8.02	128	1727145	47.28	ng	99
32) Benzoic acid	7.86	122	333287	58.52	ng	94
33) 4-Chloroaniline	8.18	127	46049m	3.11	ng	
34) Hexachlorobutadiene	8.13	225	272542	48.25	ng	99
35) Caprolactam	8.49	113	168077m	47.73	ng	
36) 4-Chloro-3-methylphenol	8.61	107	580897	52.78	ng	98
37) 2-Methylnaphthalene	8.72	142	1146124	49.31	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	500403	51.84	ng	98
40) Hexachlorocyclopentadiene	8.87	237	289438	112.96	ng	99

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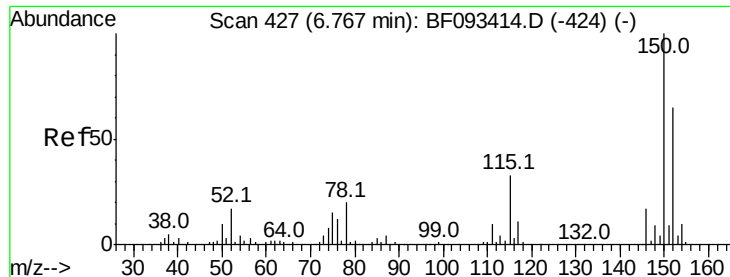
Manual Integrations
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 3/15/2017 5:38:34 PM

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 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	9.02	196	354739	58.82	nq	94
43) 2,4,5-Trichlorophenol	9.08	196	310445	47.97	nq #	91
45) 1,1'-Biphenyl	9.18	154	1358877	52.76	nq	96
46) 2-Chloronaphthalene	9.21	162	1123442	56.99	nq	98
47) 2-Nitroaniline	9.33	65	424468	60.91	nq	96
48) Acenaphthylene	9.62	152	1711355	52.64	nq	99
49) Dimethylphthalate	9.50	163	1319290	56.29	nq	99
50) 2,6-Dinitrotoluene	9.57	165	244217	47.49	nq #	39
51) Acenaphthene	9.80	154	1027130	53.42	nq	95
52) 3-Nitroaniline	9.75	138	116239	18.81	nq #	96
53) 2,4-Dinitrophenol	9.86	184	324309	138.47	nq #	29
54) Dibenzofuran	9.97	168	1384045	57.52	nq	96
55) 4-Nitrophenol	9.96	139	255126m	85.01	nq	
56) 2,4-Dinitrotoluene	9.99	165	393930	62.35	nq #	76
57) Fluorene	10.31	166	1060459	52.01	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.10	232	300288	65.75	nq	98
59) Diethylphthalate	10.20	149	1275033	56.92	nq	99
60) 4-Chlorophenyl-phenylether	10.30	204	497613	54.44	nq	97
61) 4-Nitroaniline	10.37	138	275698	43.63	nq	97
62) Azobenzene	10.46	77	1680470	66.02	nq	92
64) 4,6-Dinitro-2-methylphenol	10.40	198	211487	51.57	nq #	68
65) n-Nitrosodiphenylamine	10.44	169	1066798	50.48	nq	98
66) 4-Bromophenyl-phenylether	10.79	248	306524	45.80	nq	95
67) Hexachlorobenzene	10.86	284	301138	47.12	nq #	75
68) Atrazine	10.97	200	327450	52.93	nq	94
69) Pentachlorophenol	11.08	266	241970	109.66	nq	97
70) Phenanthrene	11.27	178	1762595	48.79	nq	99
71) Anthracene	11.33	178	1646512	45.05	nq	99
72) Carbazole	11.50	167	1697045	49.43	nq	98
73) Di-n-butylphthalate	11.82	149	2170272	54.64	nq #	97
74) Fluoranthene	12.47	202	1821470	52.19	nq	94
77) Pyrene	12.70	202	1827388	49.03	nq	99
79) Butylbenzylphthalate	13.31	149	893980	56.98	nq	91
80) Benzo(a)anthracene	13.89	228	1440238	47.59	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	271712	25.63	nq #	96
82) Chrysene	13.92	228	1208415	43.16	nq	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	1141543	52.20	nq	100
84) Di-n-octyl phthalate	14.48	149	2017412	55.35	nq	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	996686	42.52	nq #	94
87) Benzo(b)fluoranthene	14.92	252	1387308m	63.22	nq	
88) Benzo(k)fluoranthene	14.94	252	949863m	44.88	nq	
89) Benzo(a)pyrene	15.25	252	1047095	52.21	nq	98
90) Dibenzo(a,h)anthracene	16.67	278	836917	50.44	nq	96
91) Benzo(g,h,i)perylene	17.07	276	885071	51.97	nq #	90

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



#1

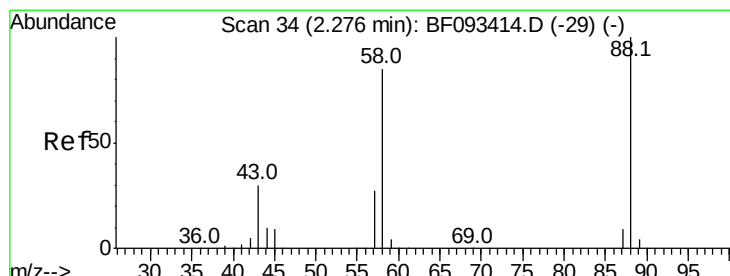
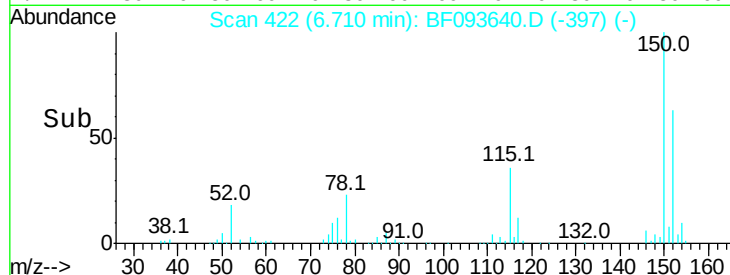
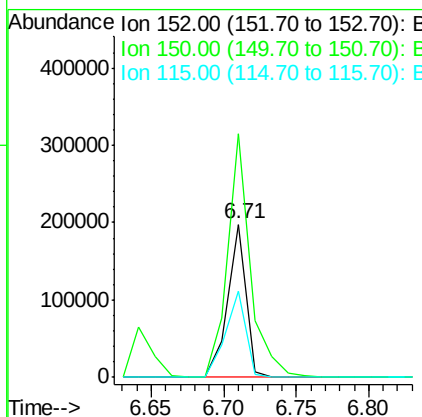
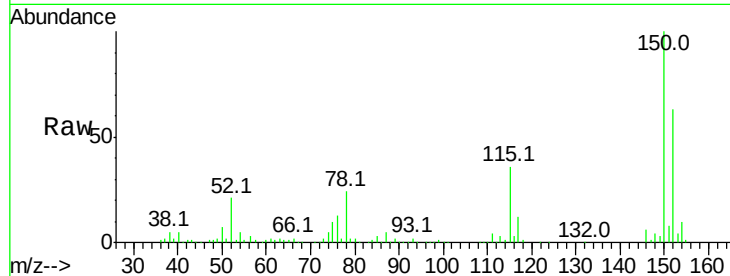
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.9	187.3
115	56.6	46.0	69.0

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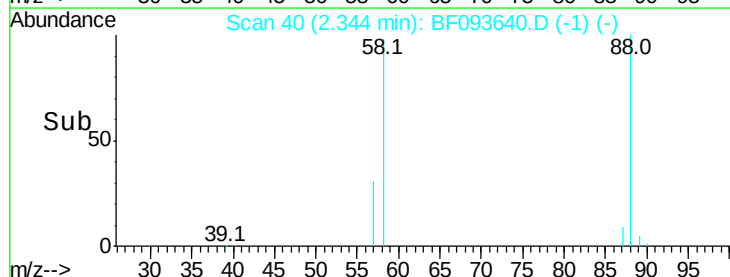
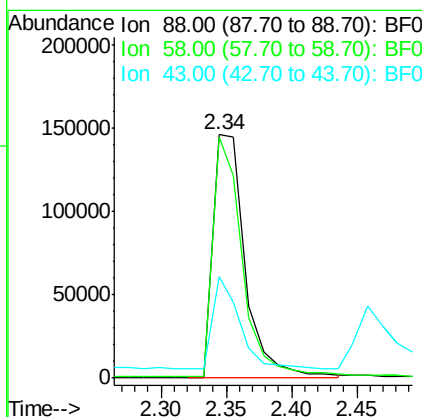
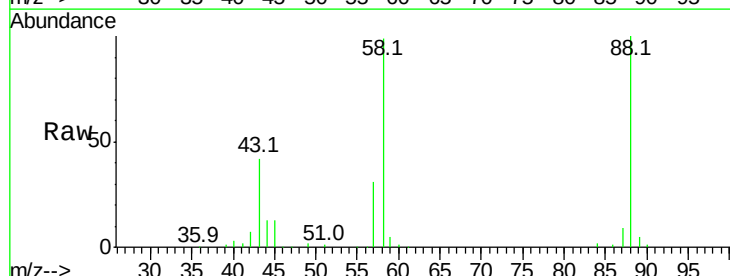
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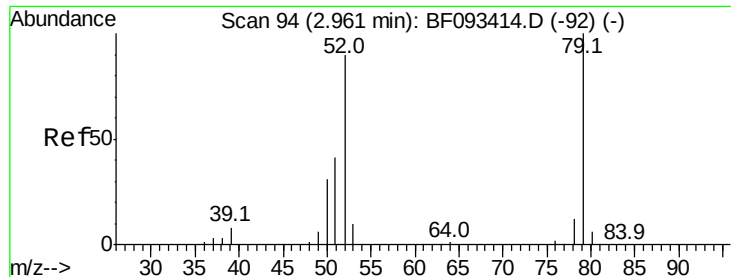


#2

1,4-Dioxane
Concen: 44.05 ng
RT: 2.34 min Scan# 40
Delta R.T. 0.16 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.1	57.8	86.8#
43	31.4	22.3	33.5





#3

Pvridine

Concen: 24.39 ng/ml

RT: 3.05 min Scan# 102

Delta R.T. 0.19 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

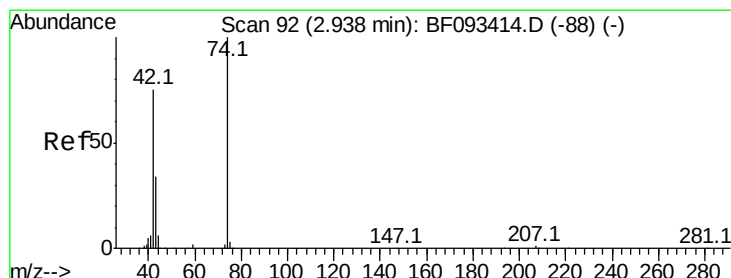
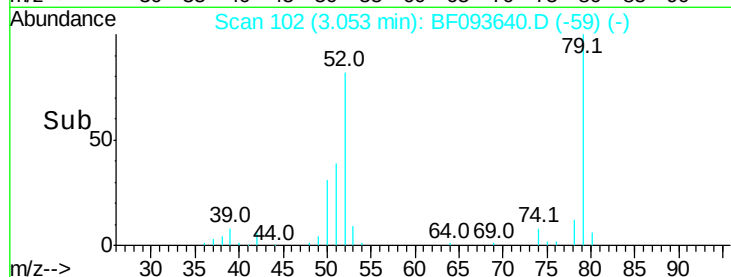
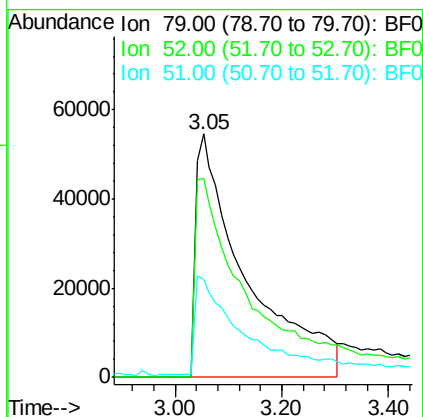
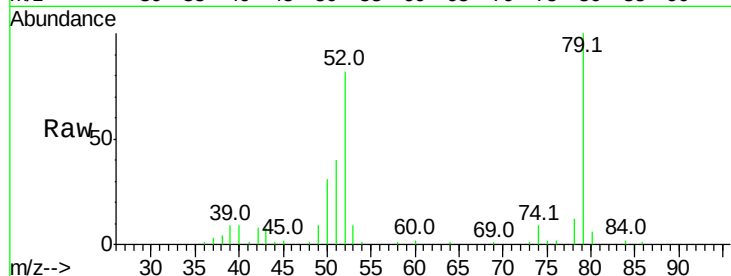
ClientSampleId :

D-112MS

Tot Ion:	79	Resp:	358287
Ion Ratio	Lower	Upper	
79	100		
52	81.6	57.1	85.7
51	40.1	27.3	40.9

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 52.25 ng/ml

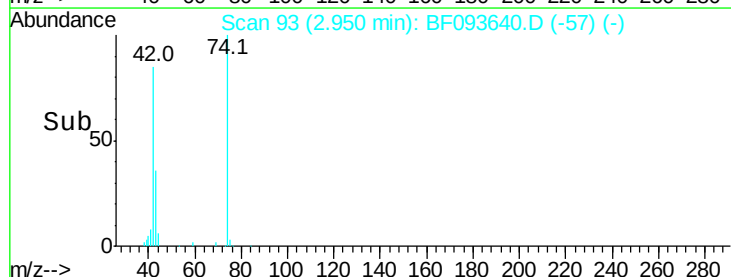
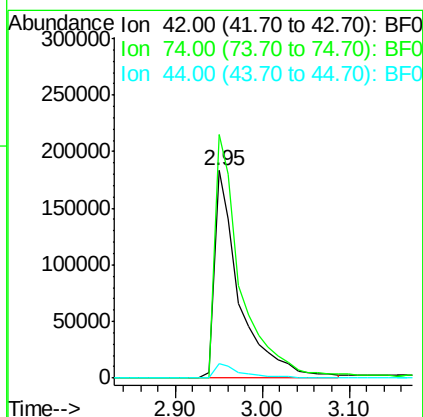
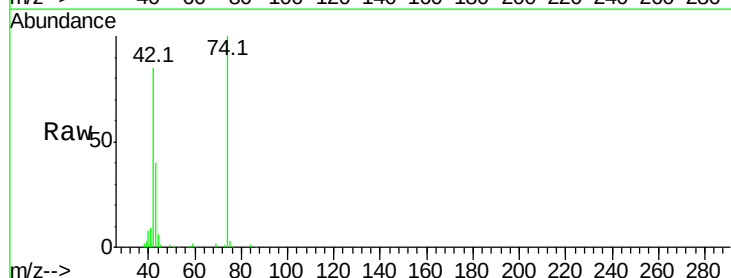
RT: 2.95 min Scan# 93

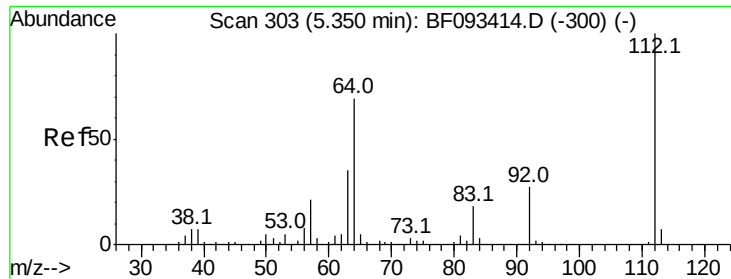
Delta R.T. 0.11 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion:	42	Resp:	366614
Ion Ratio	Lower	Upper	
42	100		
74	117.2	117.0	175.4
44	7.0	5.5	8.3





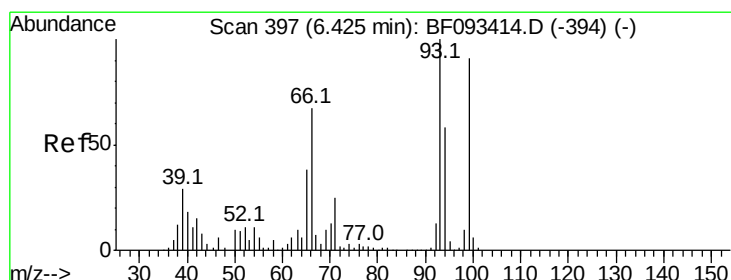
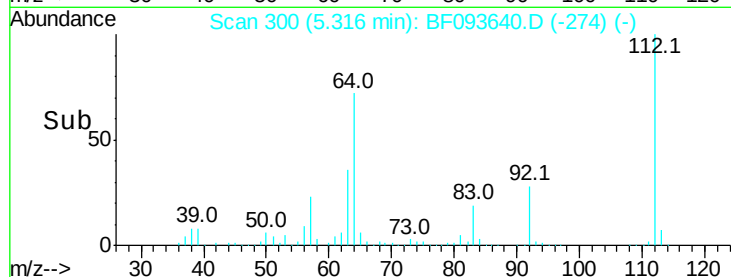
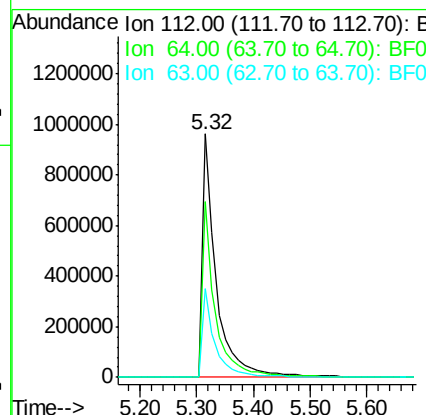
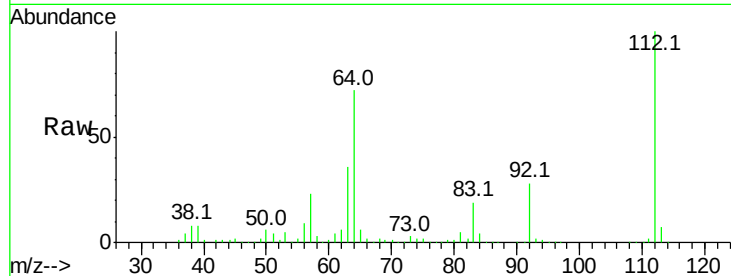
#5
2-Fluorophenol
Concen: 153.30 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion:112 Resp: 1603748
Ion Ratio Lower Upper
112 100
64 72.3 46.1 69.1#
63 36.4 23.8 35.6#

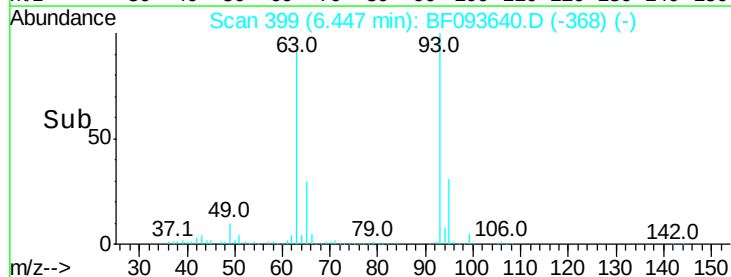
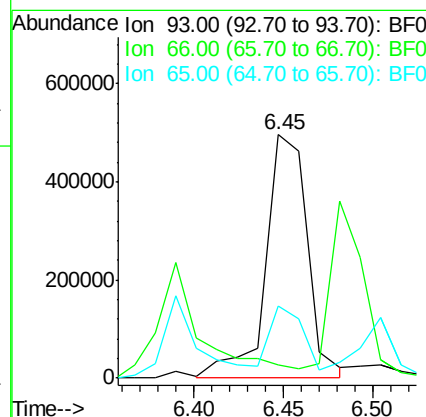
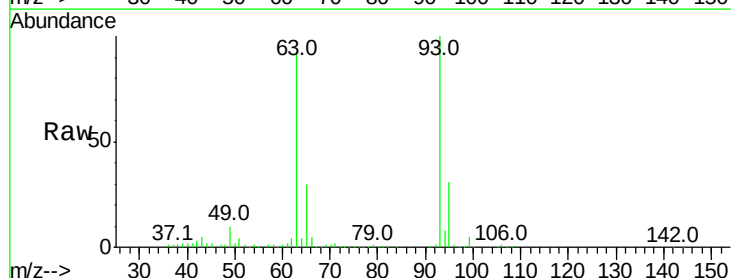
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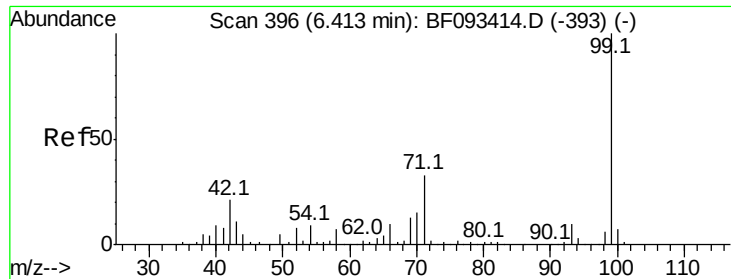
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#6
Aniline
Concen: 44.35 ng m
RT: 6.45 min Scan# 399
Delta R.T. 0.06 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion: 93 Resp: 803018
Ion Ratio Lower Upper
93 100
66 5.2 76.2 114.2#
65 29.8 49.3 73.9#





#7

Phenol-d6

Concen: 144.42 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion: 99 Resp: 1905201

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

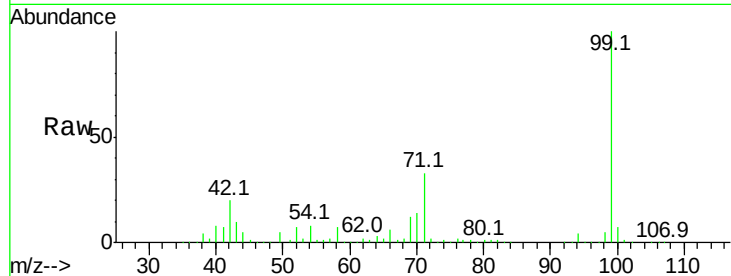
71 32.9 27.5 41.3

Manual Integrations

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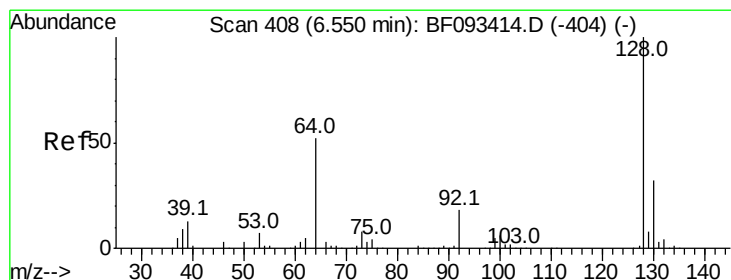
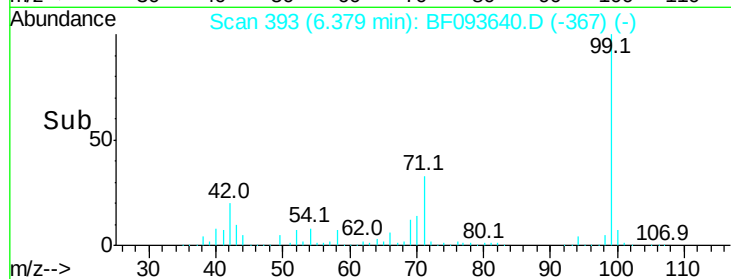
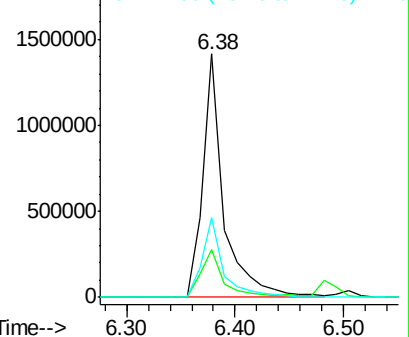
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 49.10 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

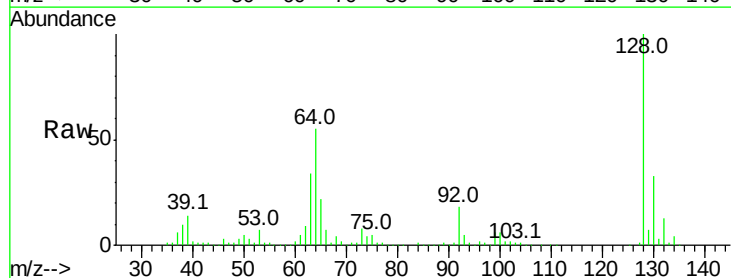
Tgt Ion:128 Resp: 575507

Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

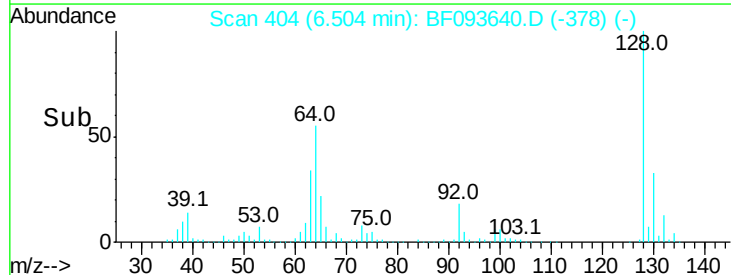
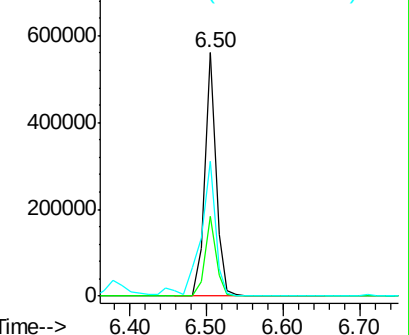
64 55.4 32.2 72.2

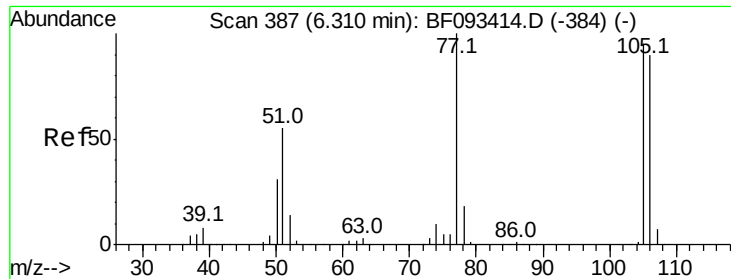


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 51.68 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion: 77 Resp: 367365

Ion Ratio Lower Upper

77 100

105 94.6 83.9 123.9

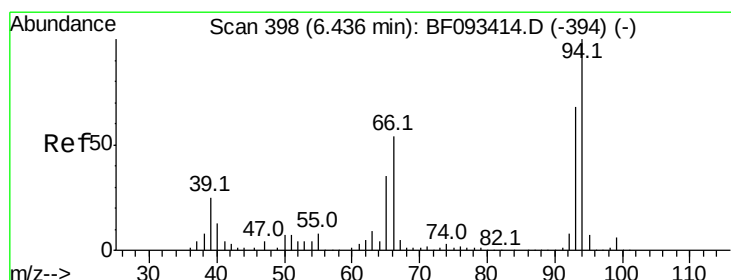
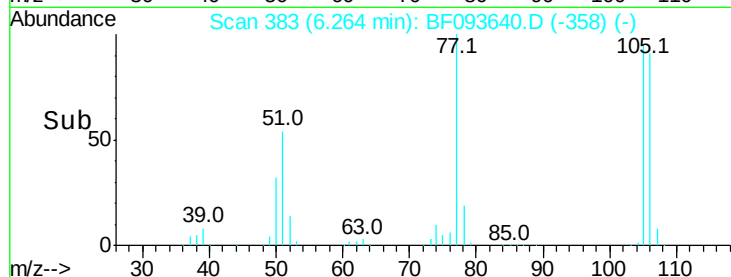
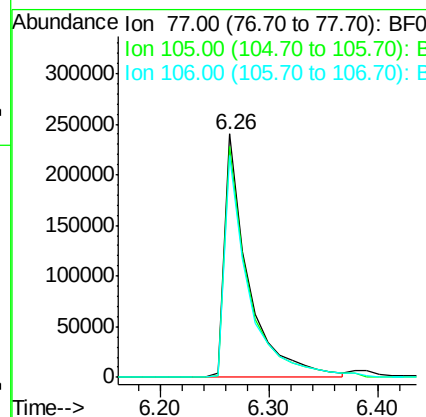
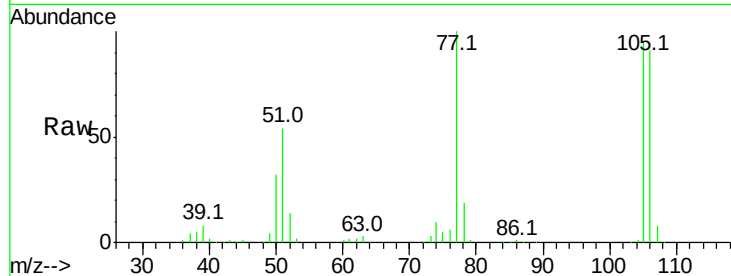
106 91.3 77.6 117.6

Manual Integrations

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#10

Phenol

Concen: 49.81 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

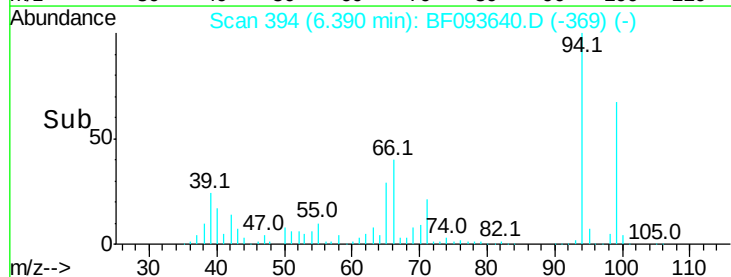
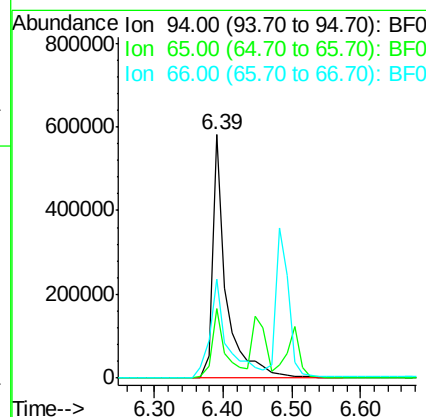
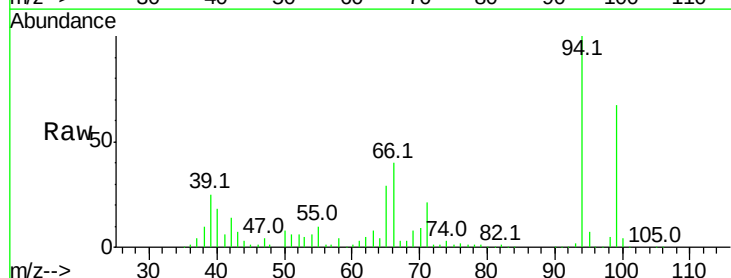
Tgt Ion: 94 Resp: 805240

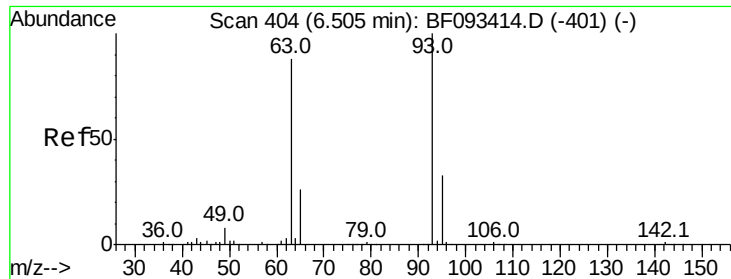
Ion Ratio Lower Upper

94 100

65 28.8 21.4 61.4

66 40.4 44.0 84.0#





#11

bis(2-Chloroethyl)ether

Concen: 67.24 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

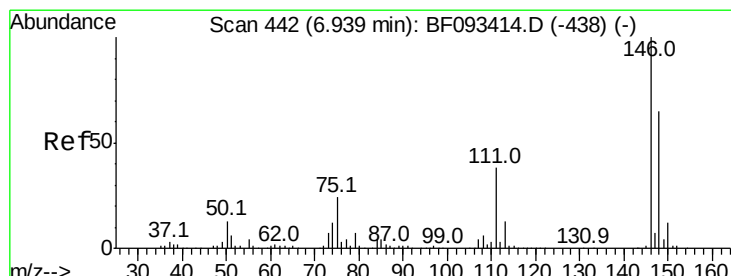
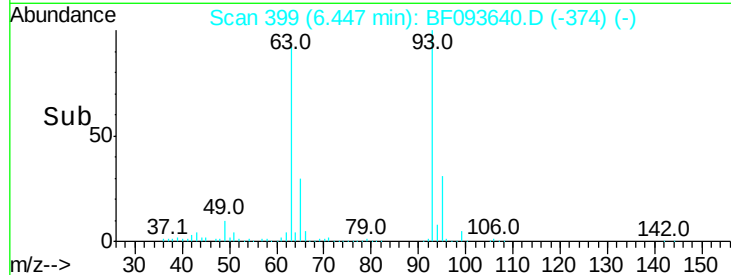
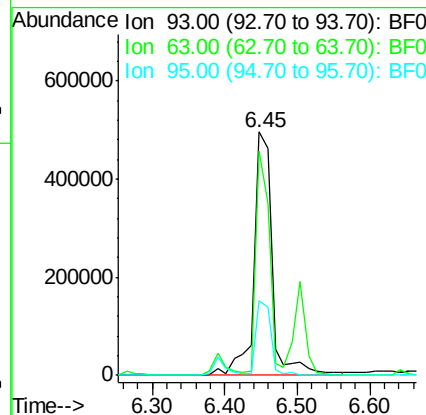
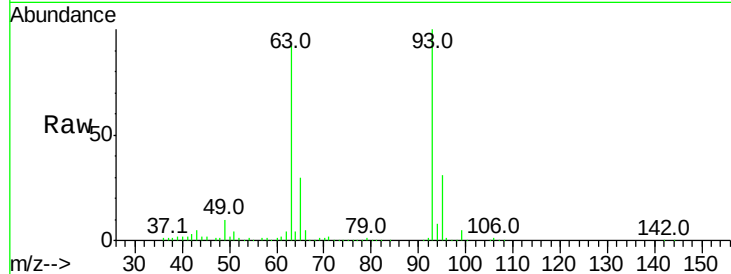
ClientSampleId :

D-112MS

Tot Ion:	93	Resp:	878551
Ion Ratio	Lower	Upper	
93	100		
63	92.3	60.4	100.4
95	30.8	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 46.90 ng m

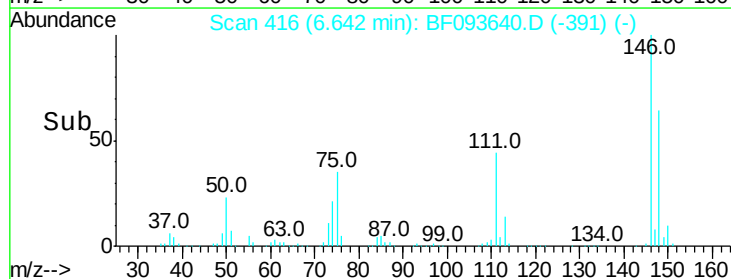
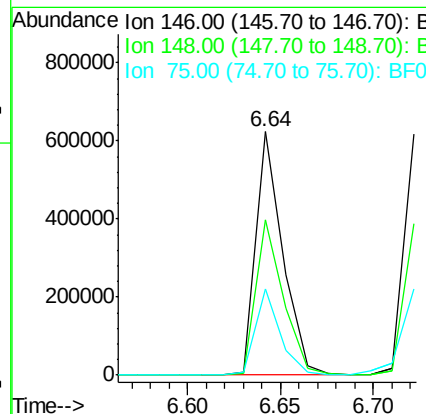
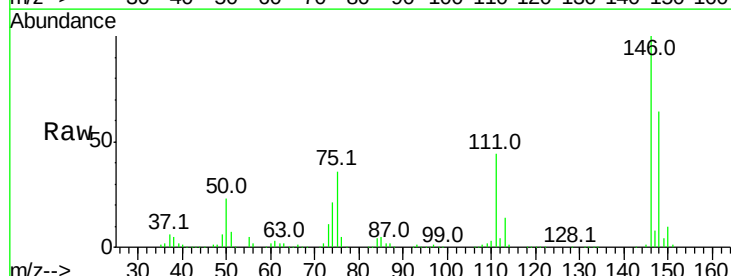
RT: 6.64 min Scan# 416

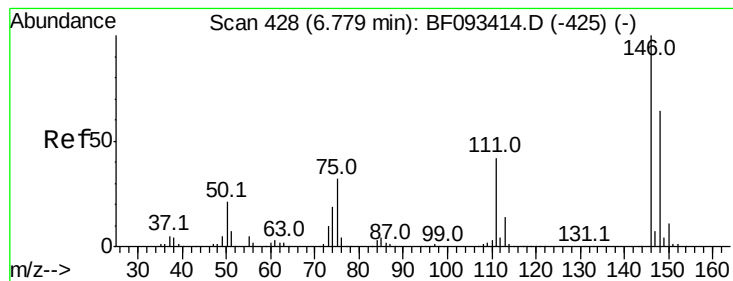
Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion:	146	Resp:	629259
Ion Ratio	Lower	Upper	
146	100		
148	63.8	53.4	80.0
75	35.6	18.5	27.7#





#13

1,4-Dichlorobenzene

Concen: 46.90 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

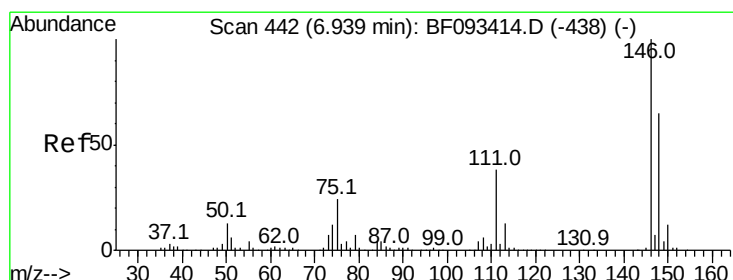
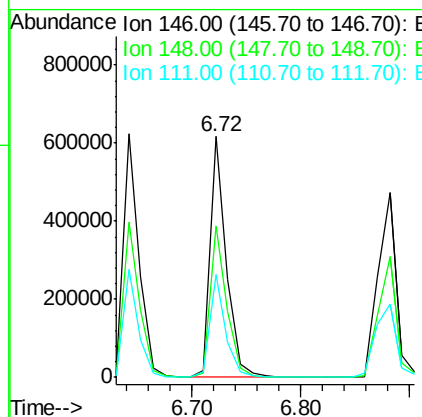
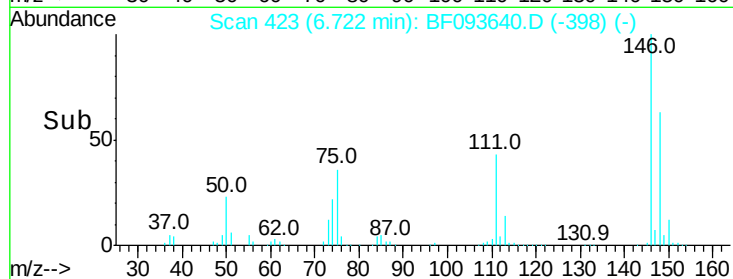
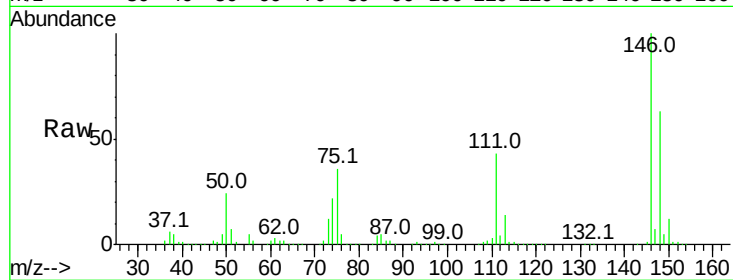
ClientSampled :

D-112MS

Tot Ion:	146	Resp:	644159
Ion Ratio	Lower	Upper	
146	100		
148	62.8	50.6	76.0
111	42.9	36.2	54.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 46.09 ng

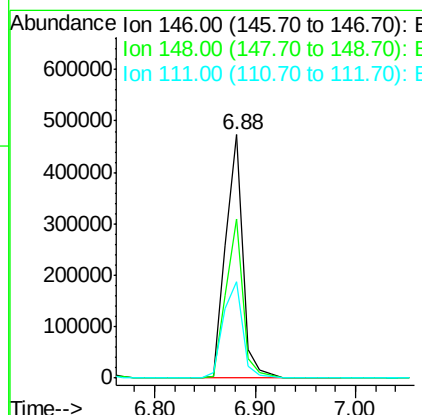
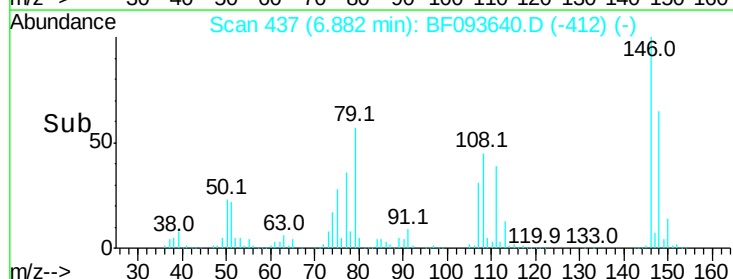
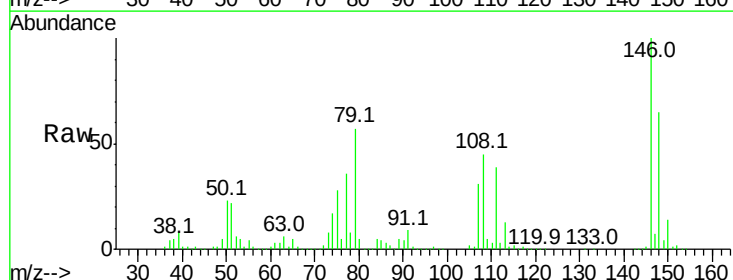
RT: 6.88 min Scan# 437

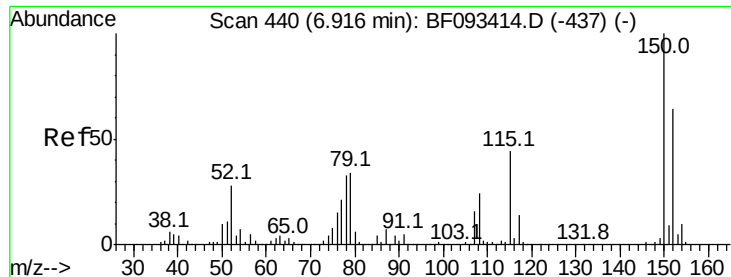
Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion:	146	Resp:	560581
Ion Ratio	Lower	Upper	
146	100		
148	65.1	52.2	78.2
111	39.4	36.2	54.2





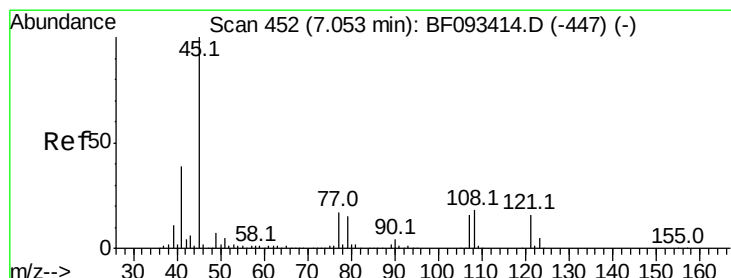
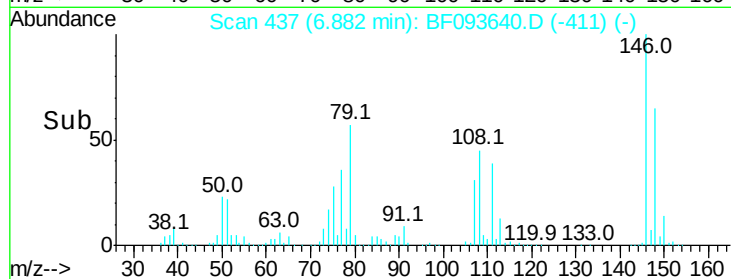
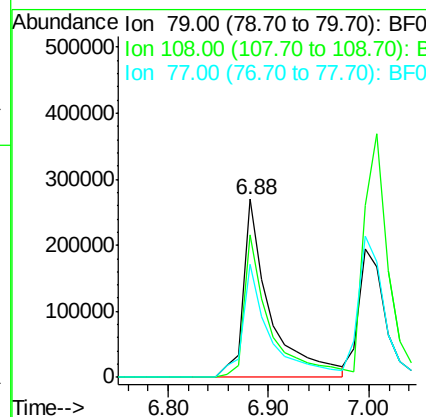
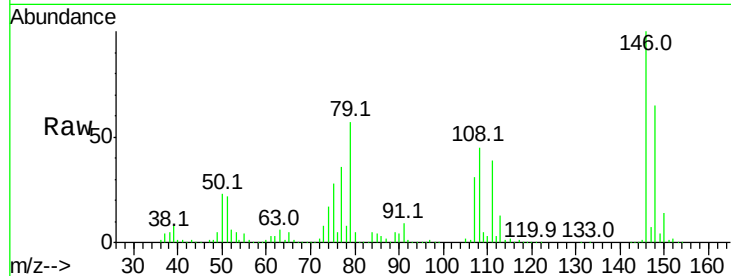
#15
Benzyl Alcohol
Concen: 53.13 ng
RT: 6.88 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.8	61.4	92.0
77	63.8	50.9	76.3

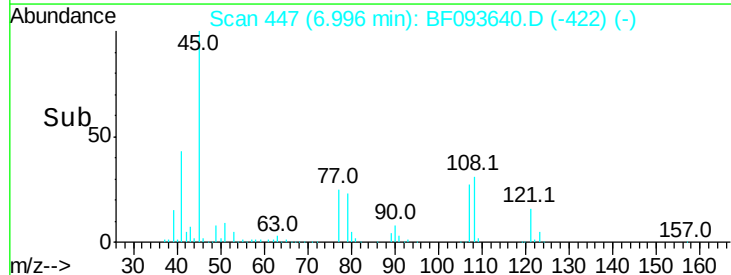
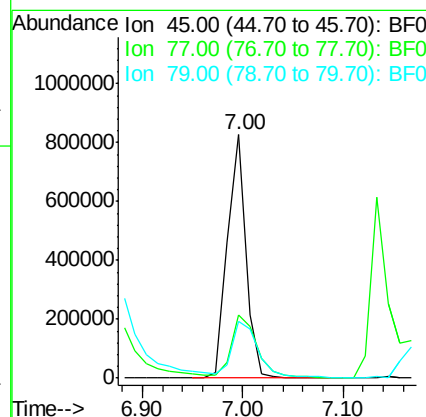
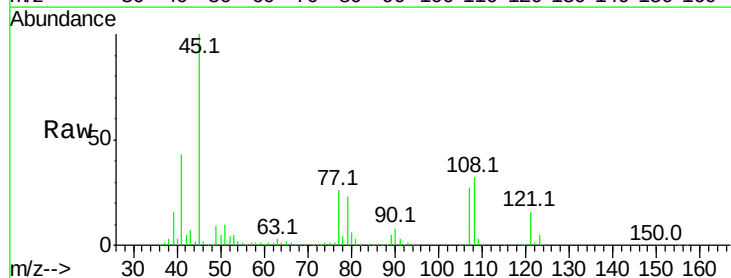
Manual Integrations
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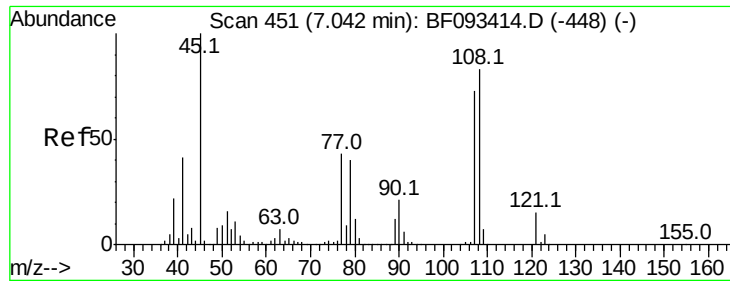
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.62 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
45	100		
77	25.9	0.0	34.6
79	23.4	0.0	31.2





#17

2-Methylphenol

Concen: 53.02 ng

RT: 7.01 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampled :

D-112MS

Tot Ion:107 Resp: 525680

Ion Ratio Lower Upper

107 100

108 114.9 93.0 139.6

77 54.8 39.8 59.8

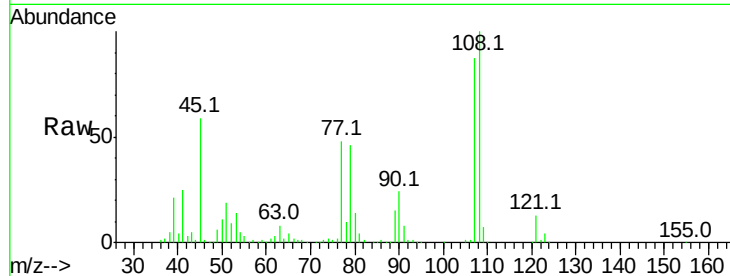
79 52.4 38.0 57.0

Manual Integrations

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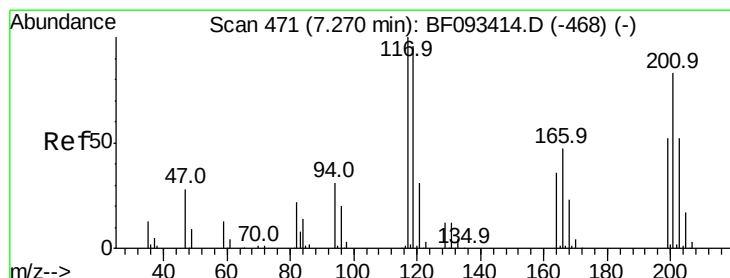
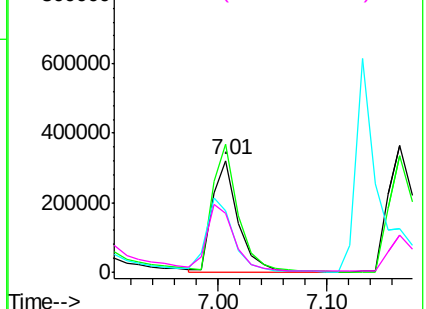
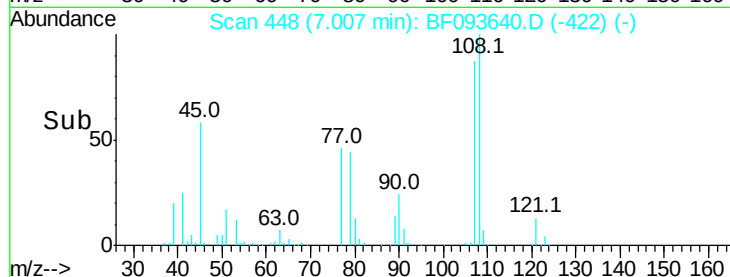


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 49.55 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

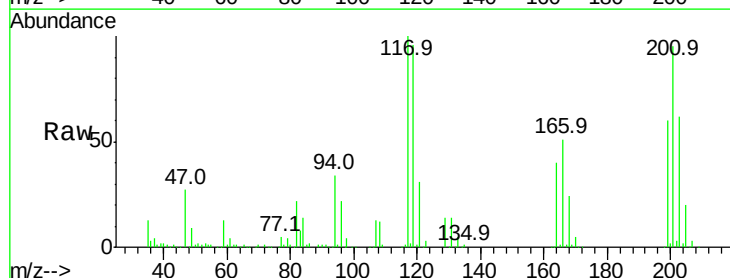
Tgt Ion:117 Resp: 229525

Ion Ratio Lower Upper

117 100

119 95.7 78.1 117.1

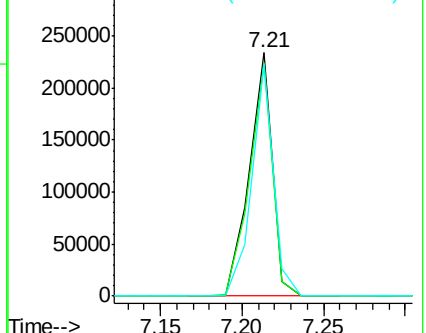
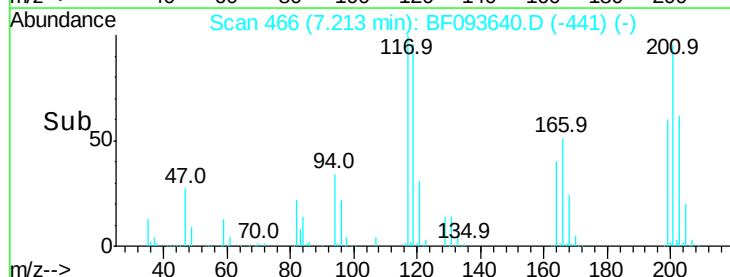
201 95.5 78.6 117.8

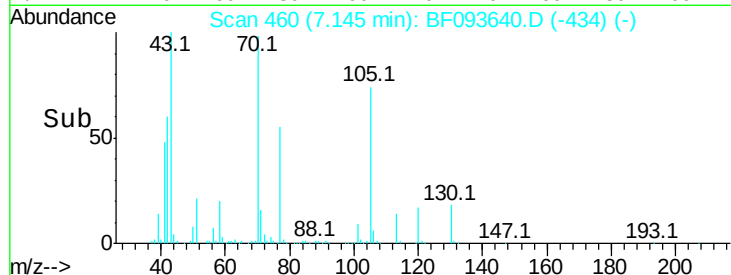
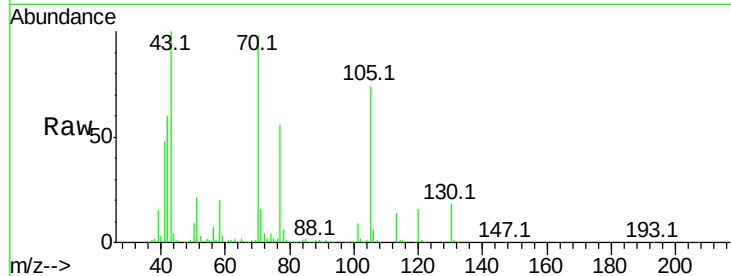
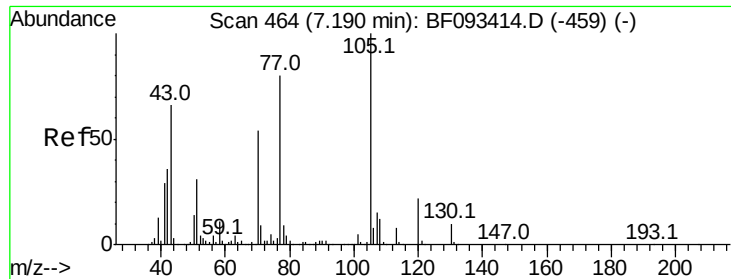


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





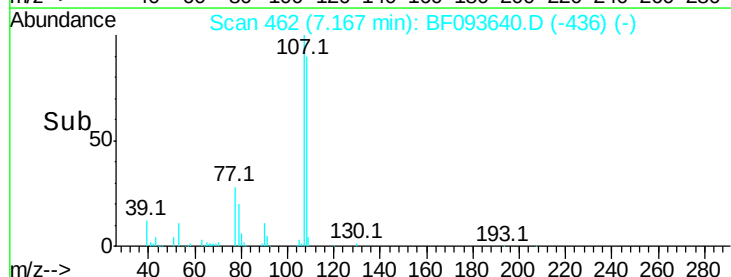
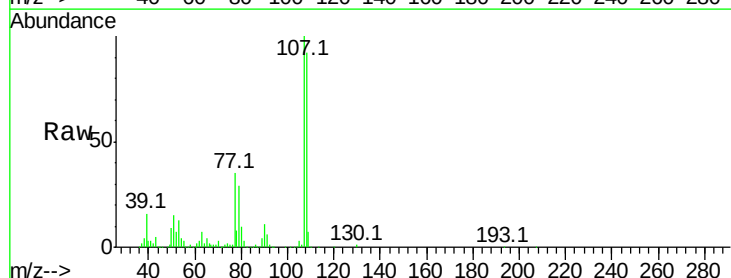
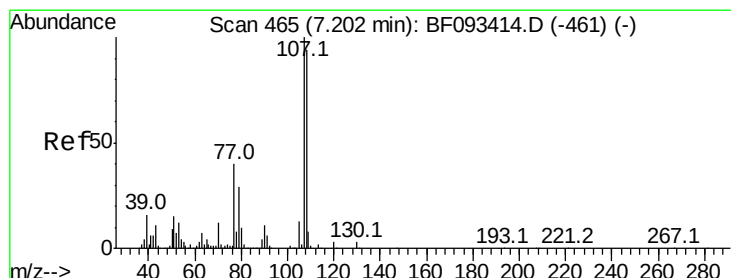
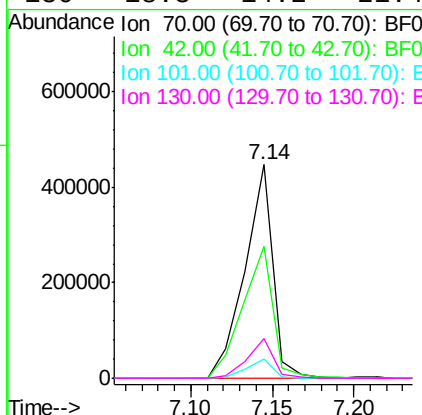
#19
n-Nitroso-di-n-propylamine
Concen: 58.86 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.0	49.4	74.0
101	8.9	7.4	11.2
130	18.3	14.2	21.4

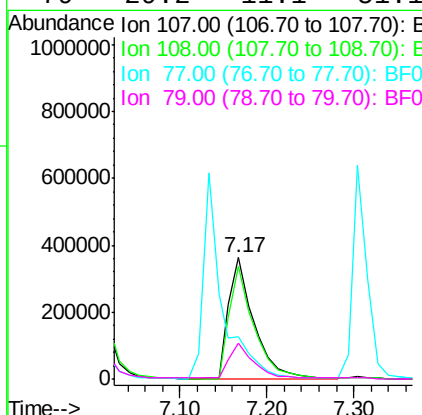
Manual Integrations
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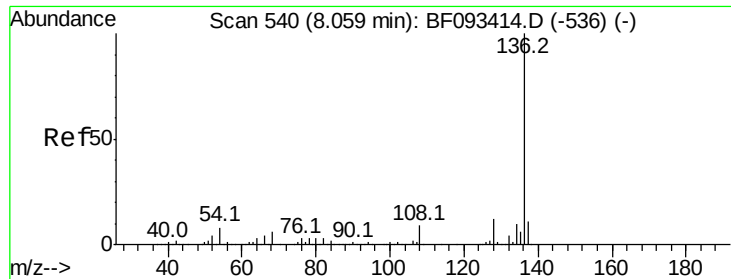
mohammad
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#20
3+4-Methylphenols
Concen: 57.23 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.5	73.0	113.0
77	34.6	71.3	111.3
79	29.2	11.1	51.1





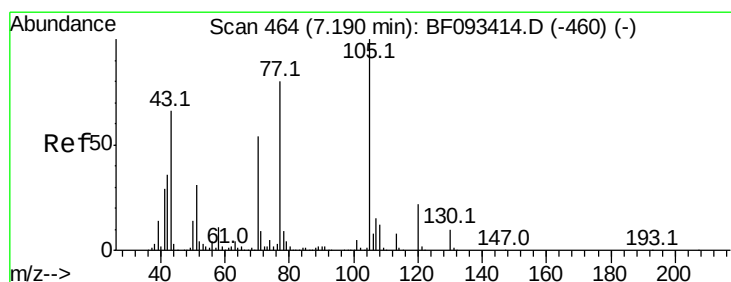
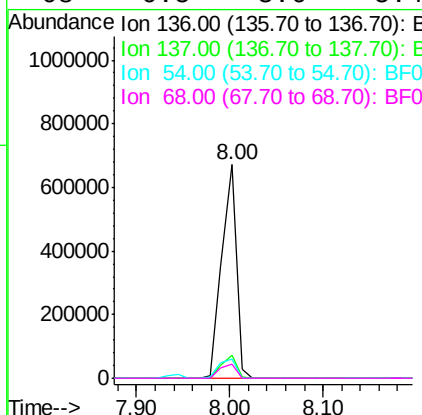
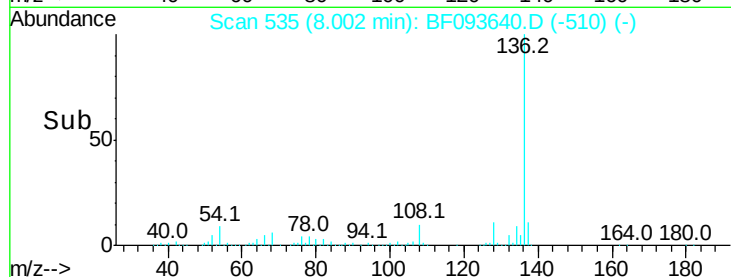
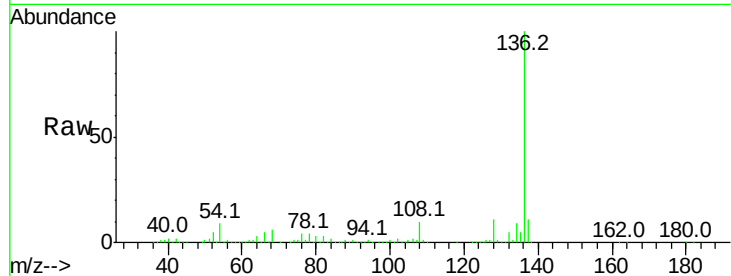
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.4	12.6	
54	8.9	4.5	6.7#	
68	6.5	3.6	5.4#	

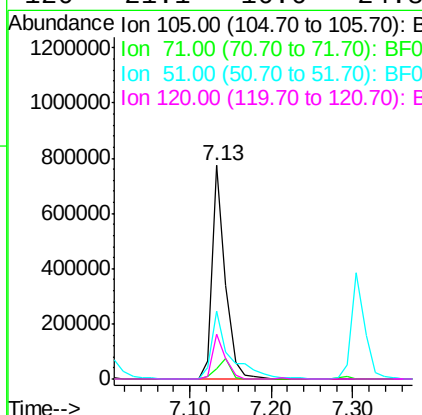
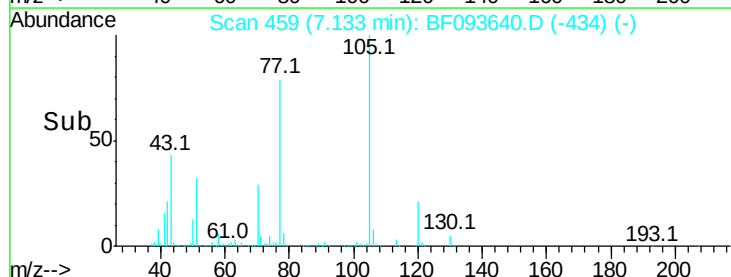
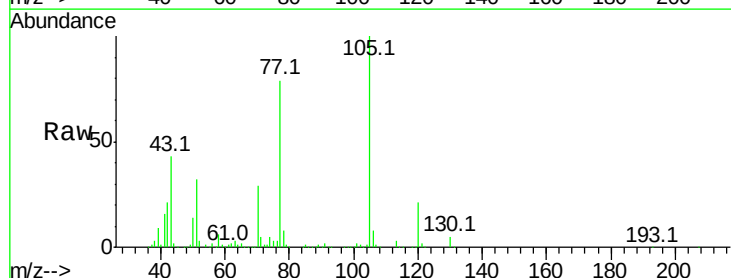
Manual Integrations
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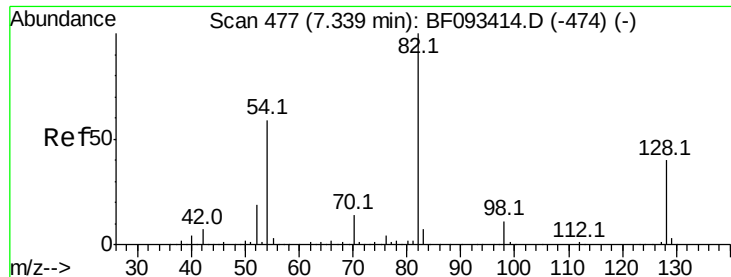
mohammad
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#22
Acetophenone
Concen: 49.76 ng
RT: 7.13 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.9	3.2	4.8#	
51	31.7	26.2	39.4	
120	21.1	16.6	24.8	





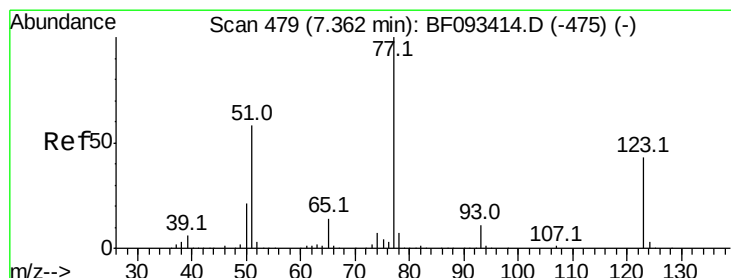
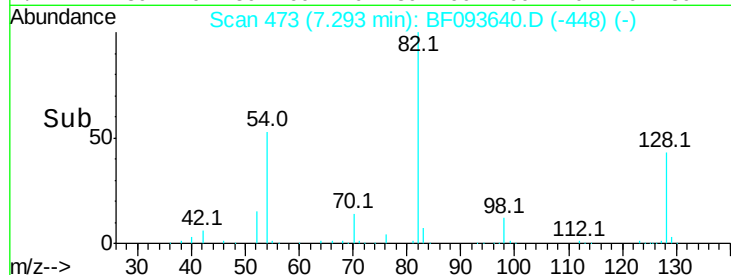
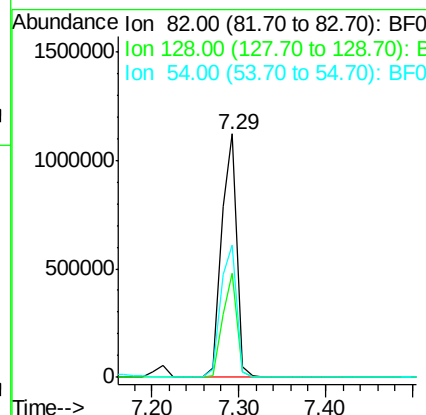
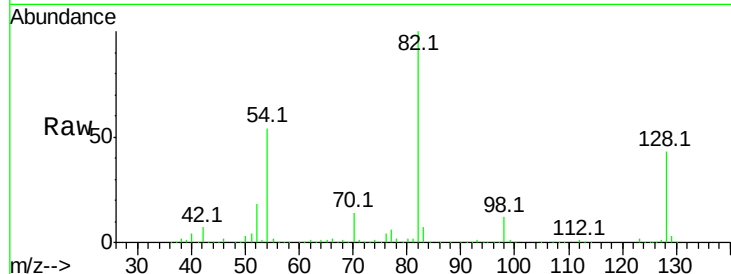
#23
 Nitrobenzene-d5
 Concen: 105.68 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	54.3	39.5	59.3

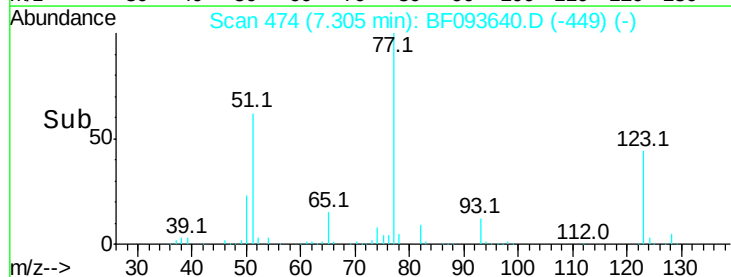
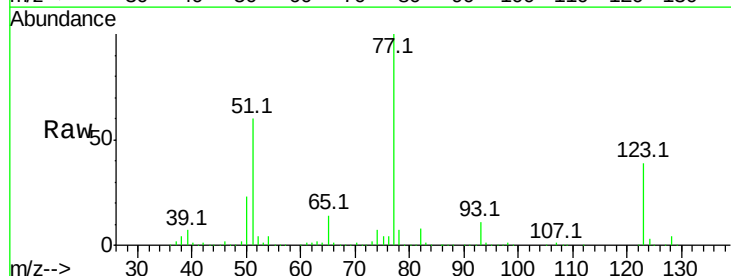
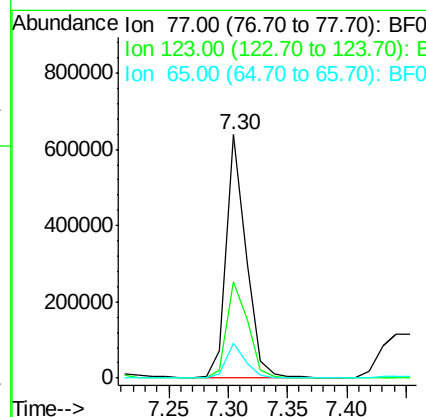
Manual Integrations
 APPROVED

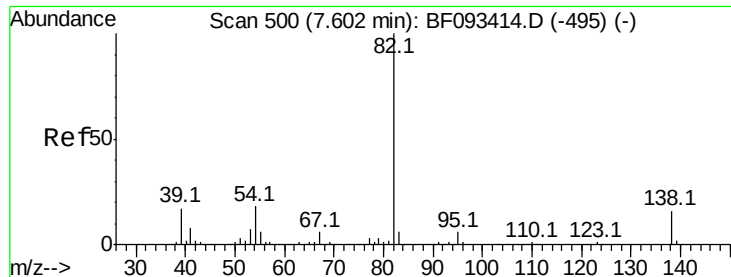
mohammad
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#24
 Nitrobenzene
 Concen: 49.22 ng
 RT: 7.30 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.4	33.0	49.4
65	14.3	11.2	16.8





#25

Isophorone

Concen: 50.70 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion: 82 Resp: 1343256

Ion Ratio Lower Upper

82 100

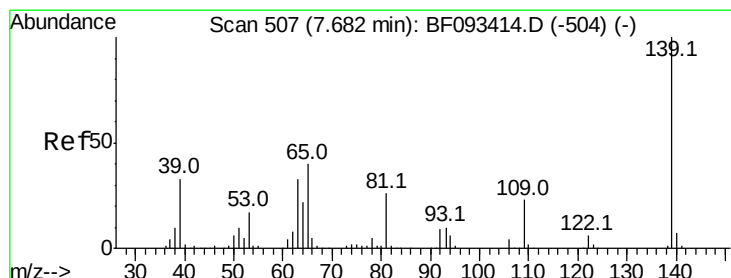
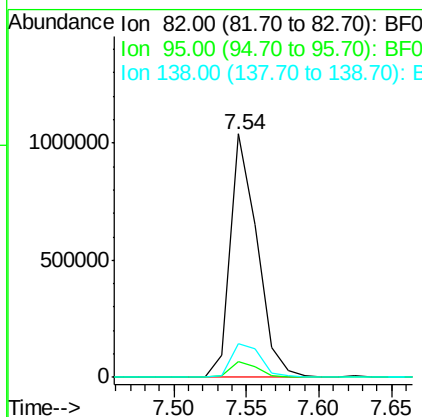
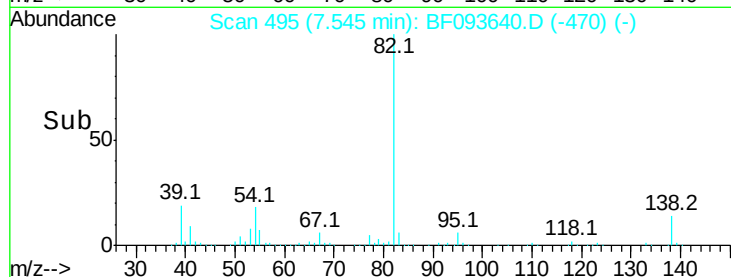
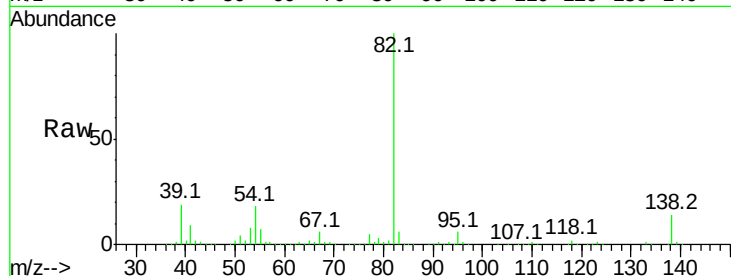
95 6.4 5.6 8.4

138 14.1 14.6 22.0#

Manual Integrations
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#26

2-Nitrophenol

Concen: 51.15 ng

RT: 7.62 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

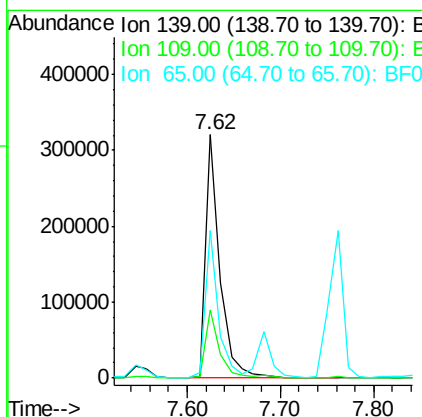
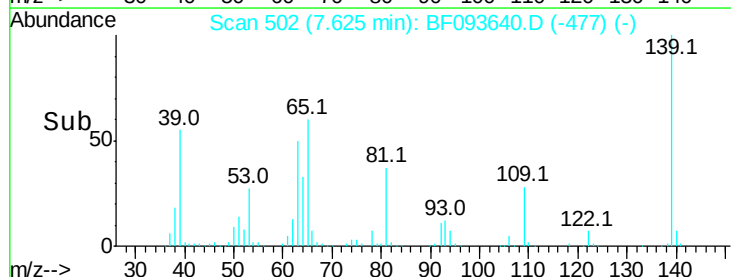
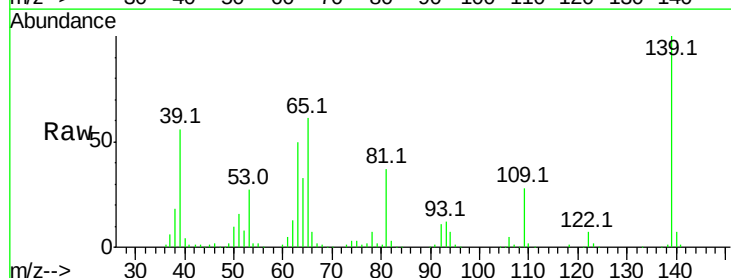
Tgt Ion: 139 Resp: 344590

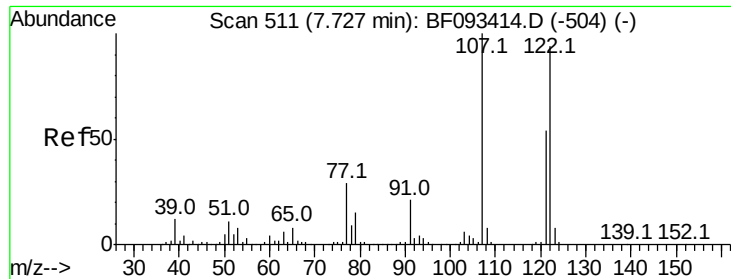
Ion Ratio Lower Upper

139 100

109 28.2 23.3 34.9

65 60.5 42.7 64.1





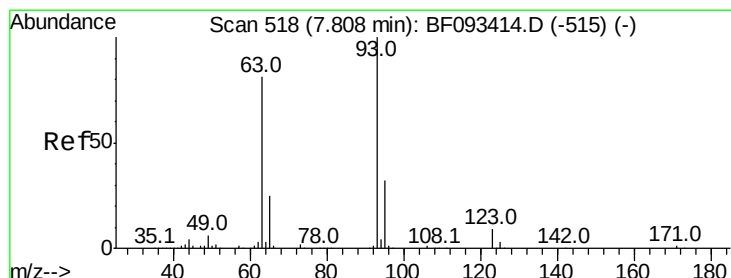
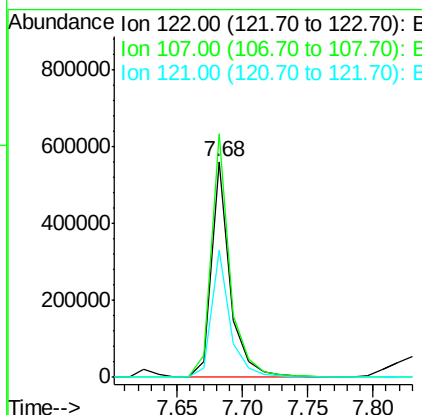
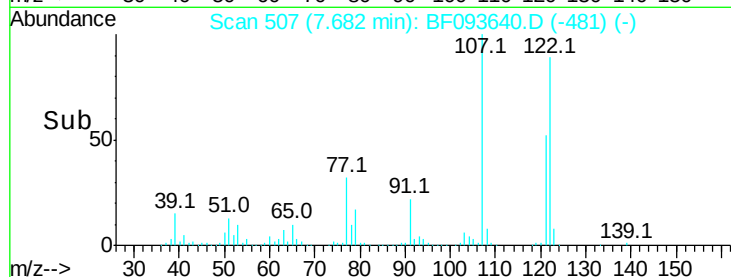
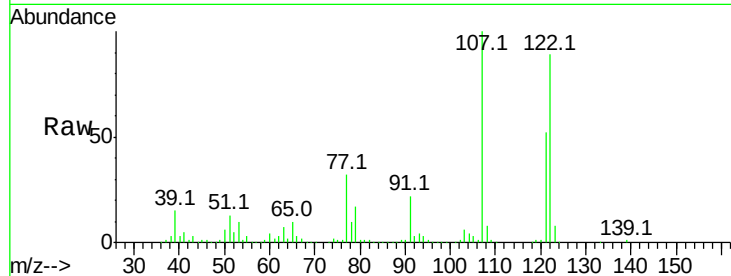
#27
 2,4-Dimethylphenol
 Concen: 50.67 ng
 RT: 7.68 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.8	94.1	141.1
121	58.8	46.0	69.0

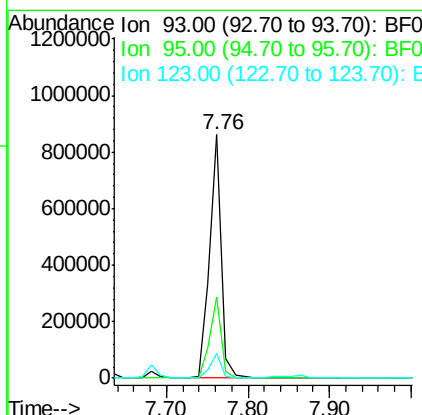
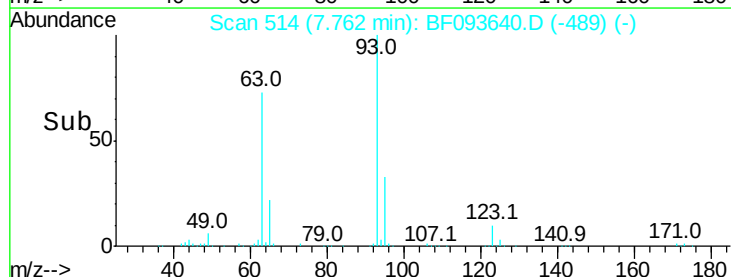
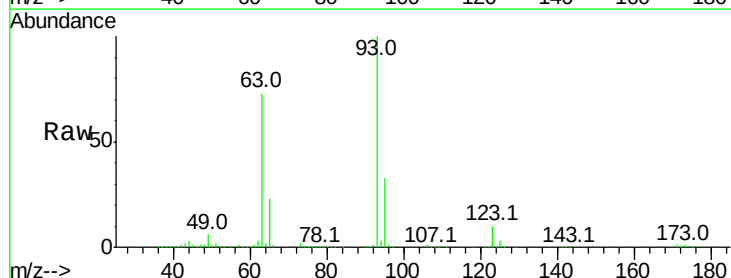
Manual Integrations
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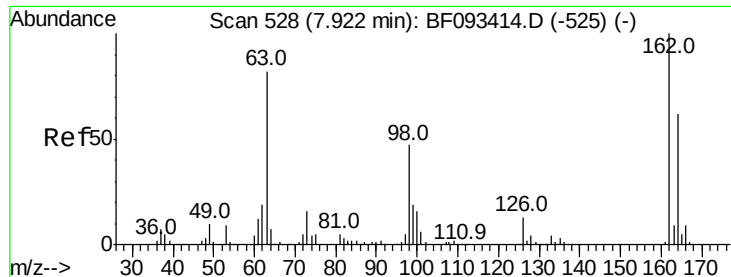
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 52.71 ng
 RT: 7.76 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.5	39.7
123	10.4	8.6	13.0





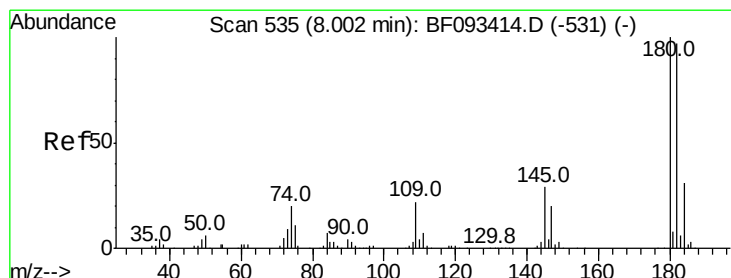
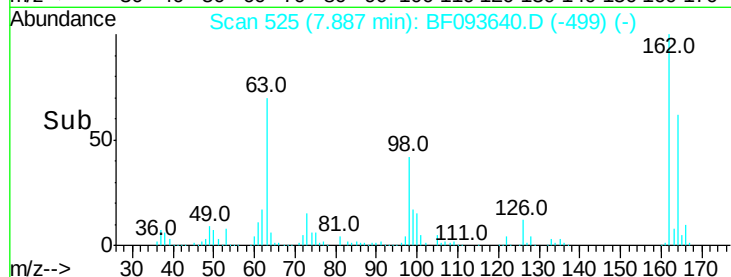
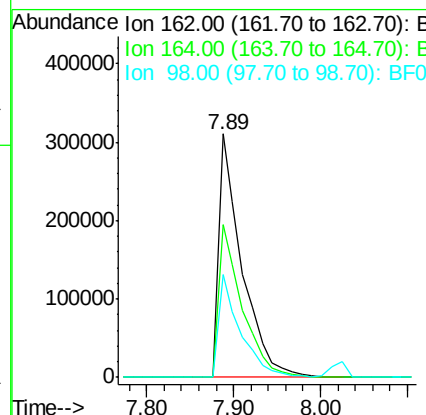
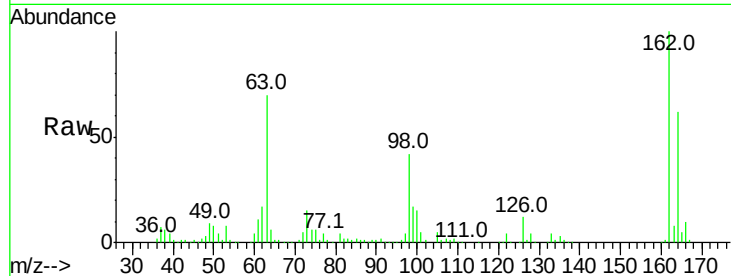
#29
 2,4-Dichlorophenol
 Concen: 56.24 ng
 RT: 7.89 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.5	46.8	86.8
98	42.1	9.1	49.1

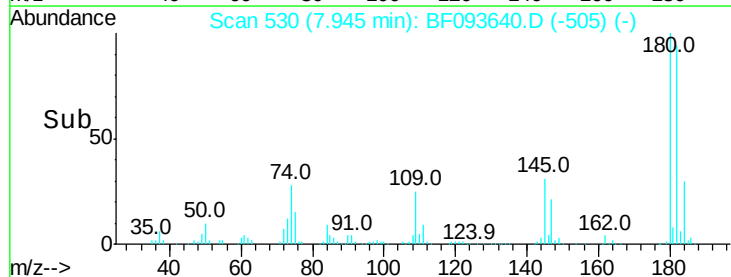
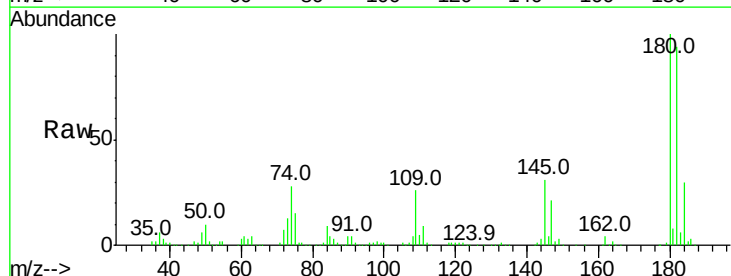
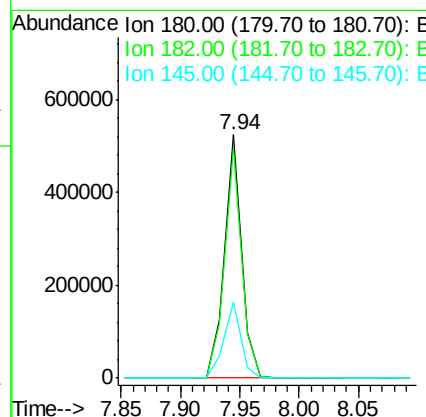
Manual Integrations
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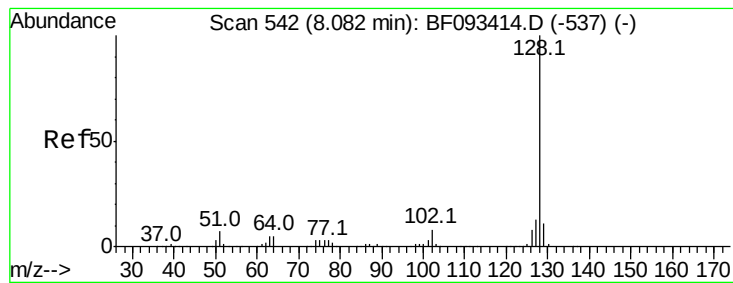
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 47.05 ng
 RT: 7.94 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.3	78.2	117.4
145	31.2	21.6	32.4





#31

Naphthalene

Concen: 47.28 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion:128 Resp: 1727145

Ion Ratio Lower Upper

128 100

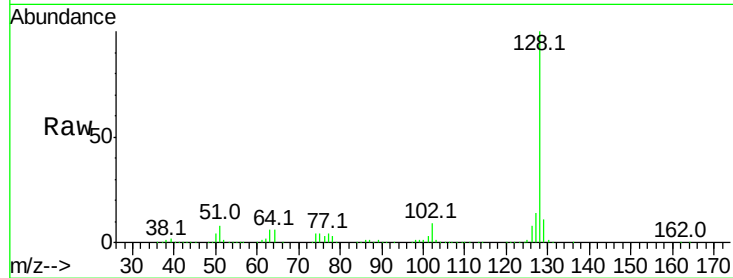
129 11.1 9.5 14.3

127 13.7 10.8 16.2

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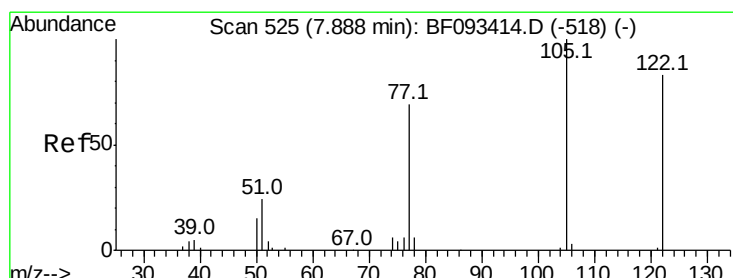
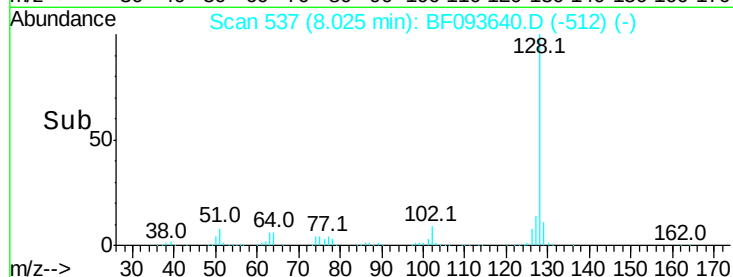
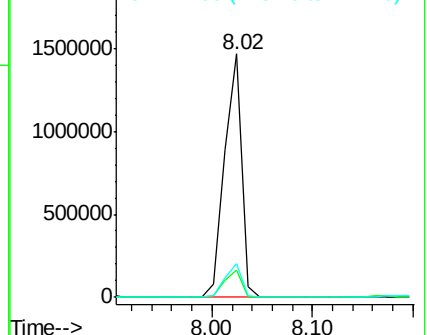
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 58.52 ng

RT: 7.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

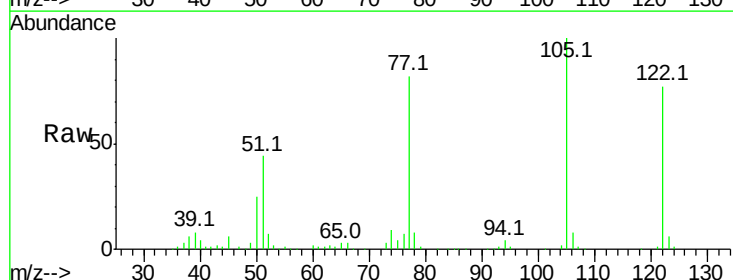
Tgt Ion:122 Resp: 333287

Ion Ratio Lower Upper

122 100

105 129.7 107.2 147.2

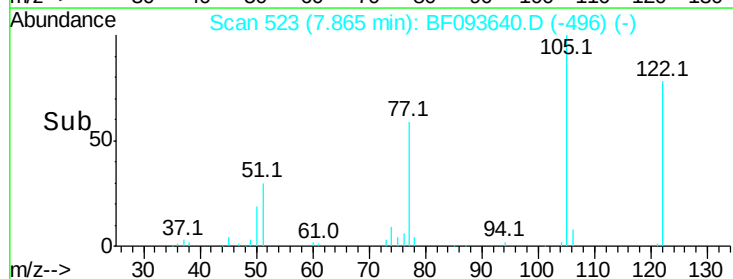
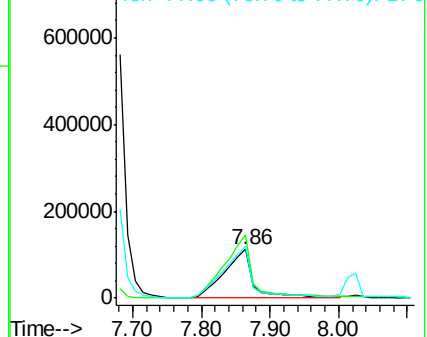
77 106.2 74.5 114.5

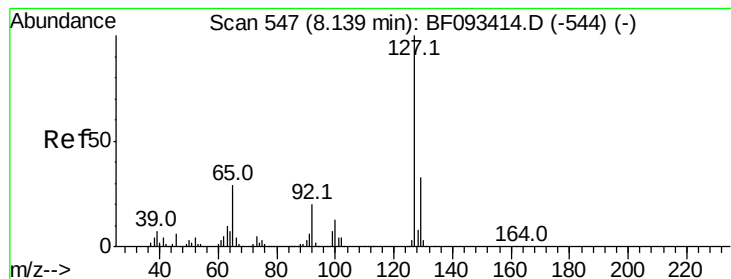


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 3.11 ng/mL

RT: 8.18 min Scan# 551

Delta R.T. 0.09 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

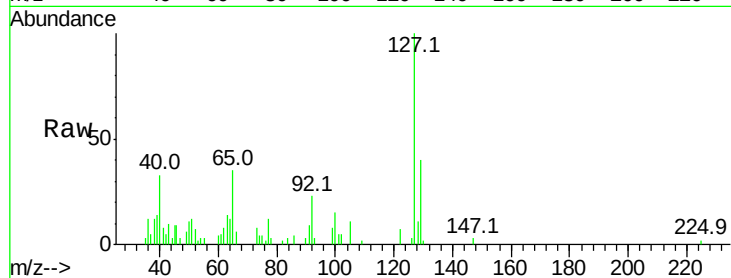
ClientSampleId :

D-112MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	40.4	26.3	39.5#		
65	35.4	25.8	38.8		
92	22.8	16.1	24.1		

Manual Integrations
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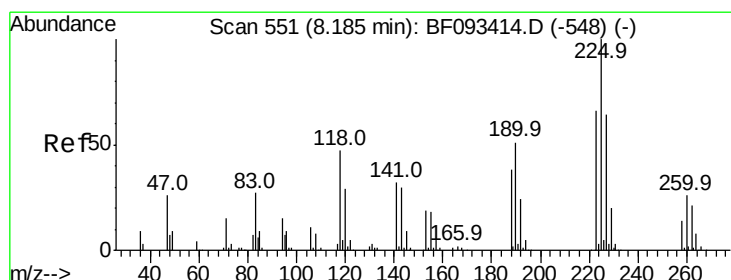
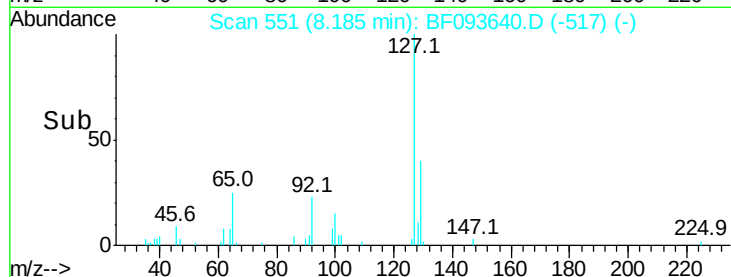
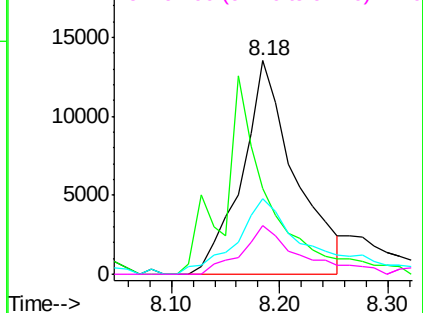
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 48.25 ng/mL

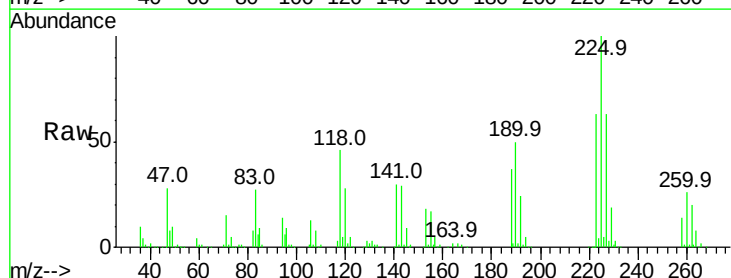
RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	51.0	76.6		
227	63.4	50.6	76.0		

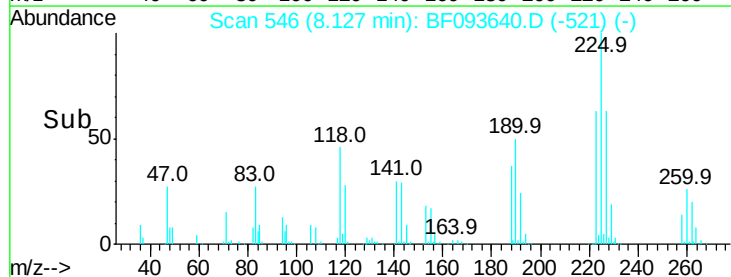
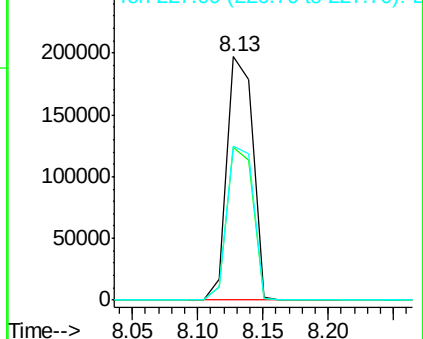


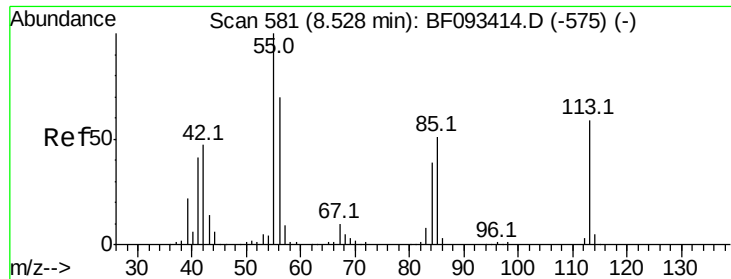
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





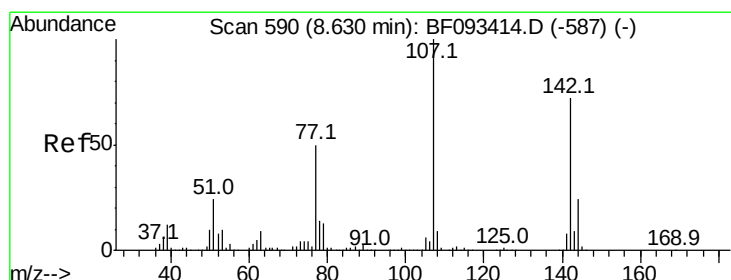
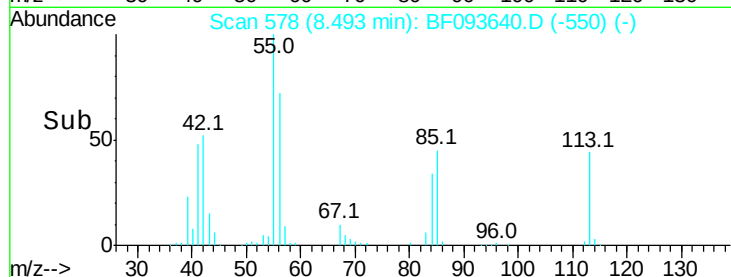
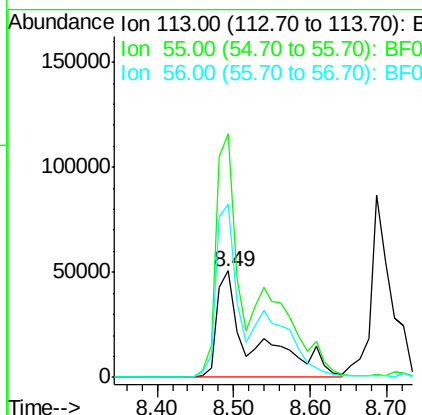
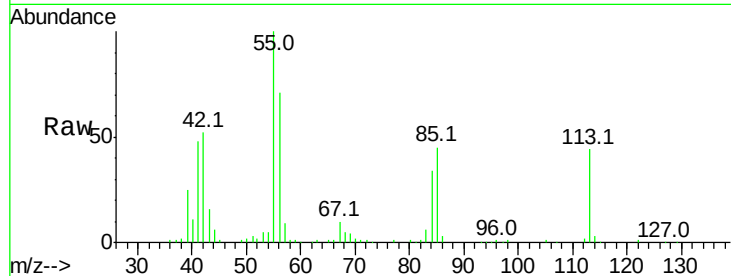
#35
Caprolactam
Concen: 47.73 ng/ml
RT: 8.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	229.3	119.2	159.2#		
56	163.6	83.8	123.8#		

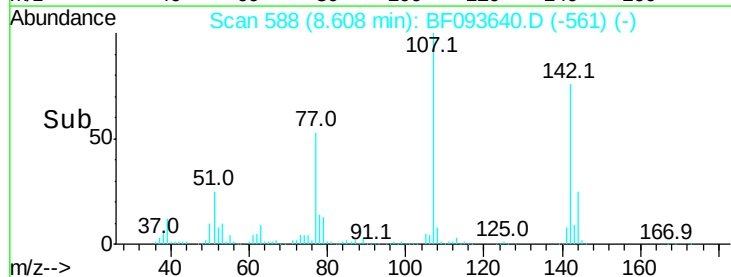
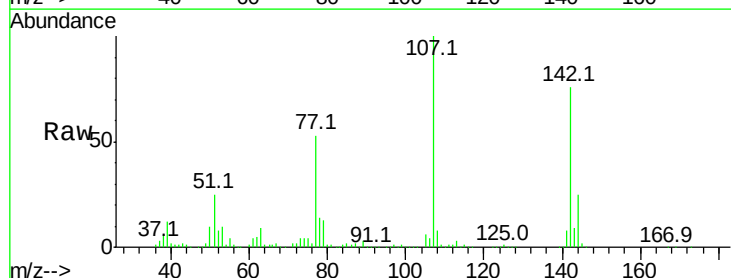
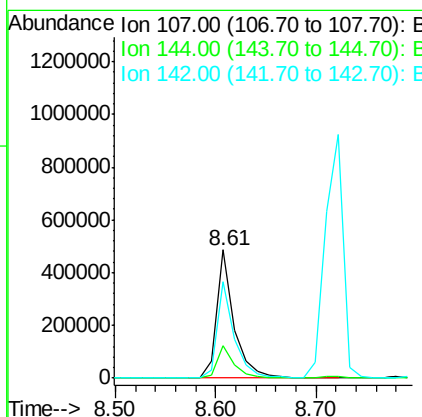
Manual Integrations
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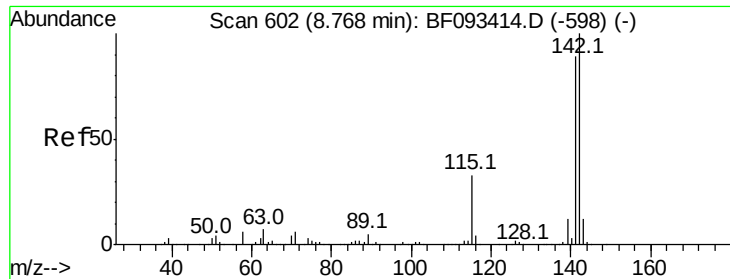
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#36
4-Chloro-3-methylphenol
Concen: 52.78 ng/ml
RT: 8.61 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	24.9	19.3	28.9		
142	75.8	59.0	88.6		





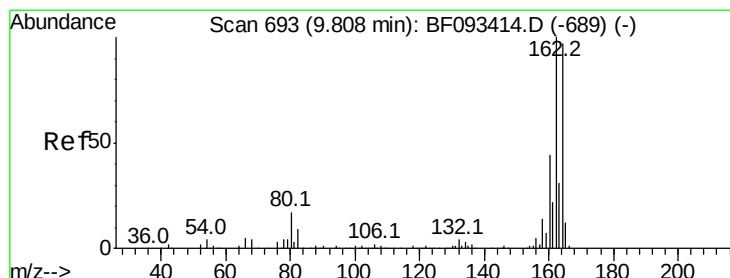
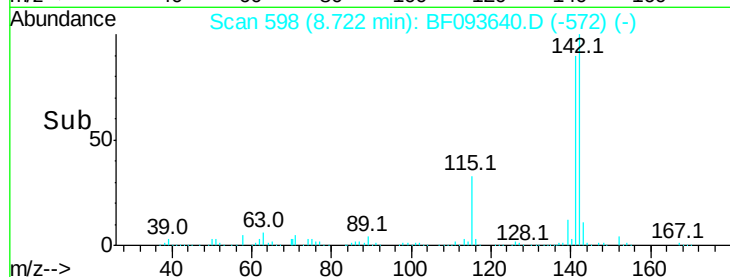
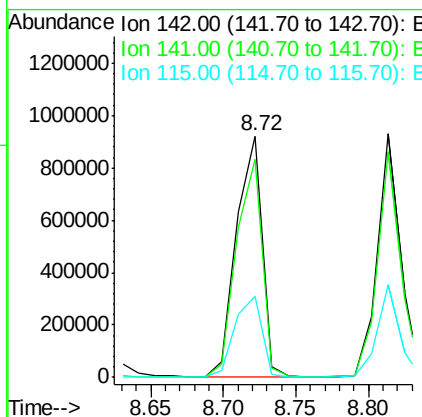
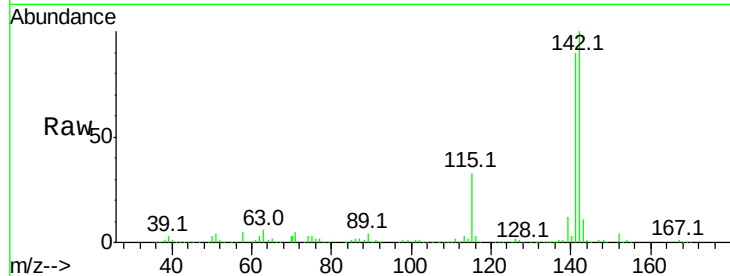
#37
 2-Methylnaphthalene
 Concen: 49.31 ng
 RT: 8.72 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	33.3	28.3	42.5

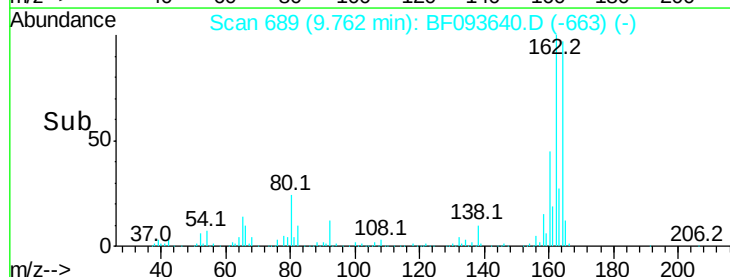
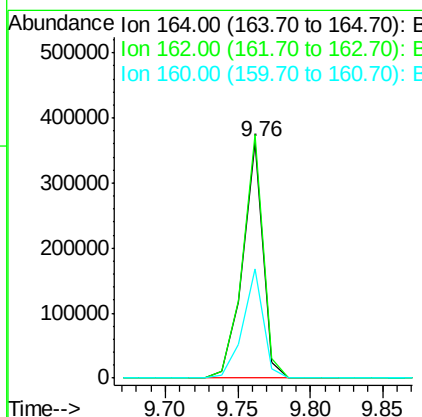
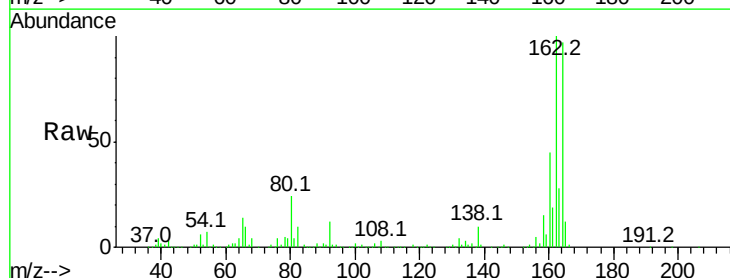
Manual Integrations
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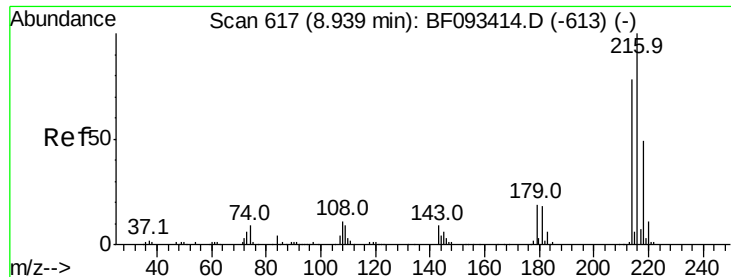
mohammad
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.2	120.2
160	46.1	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 51.84 ng

RT: 8.89 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

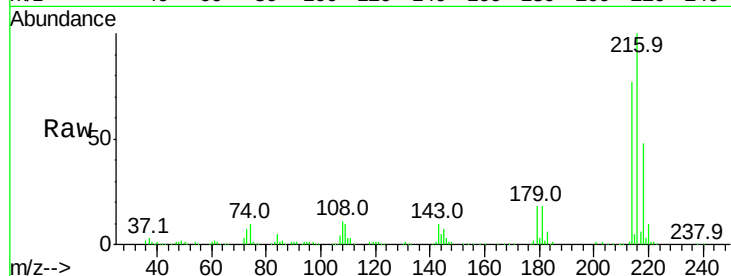
ClientSampleId :

D-112MS

Tot Ion:	216	Resp:	500403
Ion Ratio		Lower	Upper
216	100		
214	78.2	63.4	95.0
179	21.4	17.4	26.2
108	21.9	15.6	23.4

Manual Integrations
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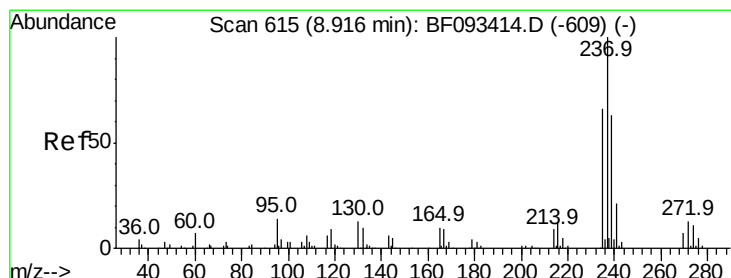
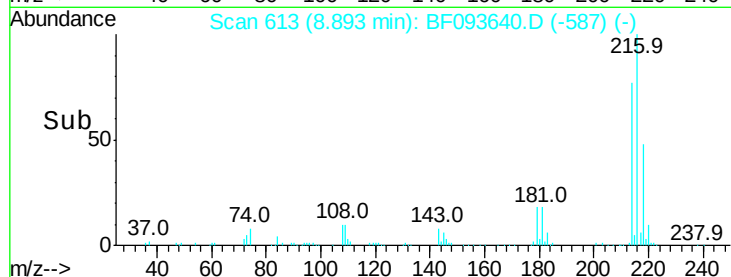
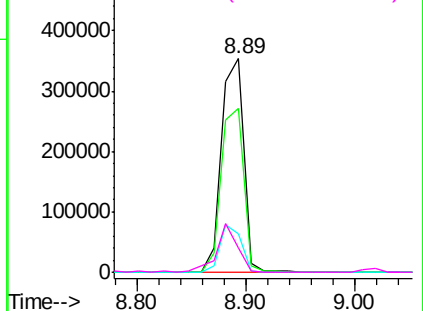


Abundance Ion 216.00 (215.70 to 216.70): E

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: 112.96 ng

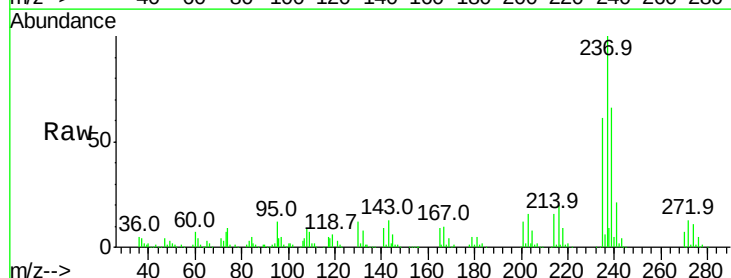
RT: 8.87 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

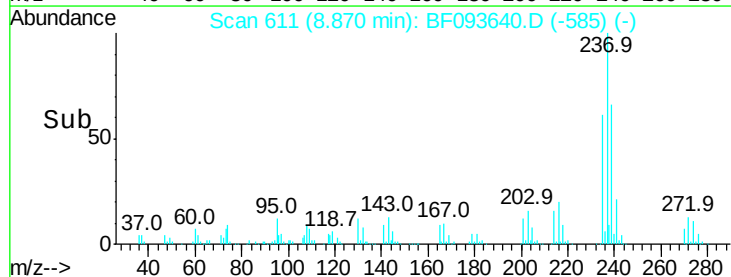
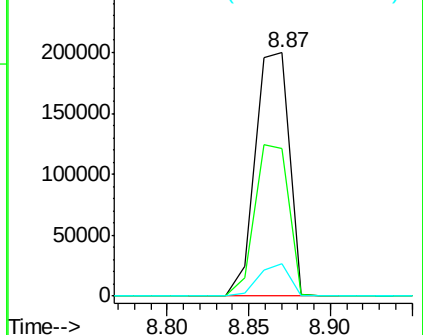
Tgt Ion:	237	Resp:	289438
Ion Ratio		Lower	Upper
237	100		
235	60.9	41.2	81.2
272	13.2	0.0	35.4

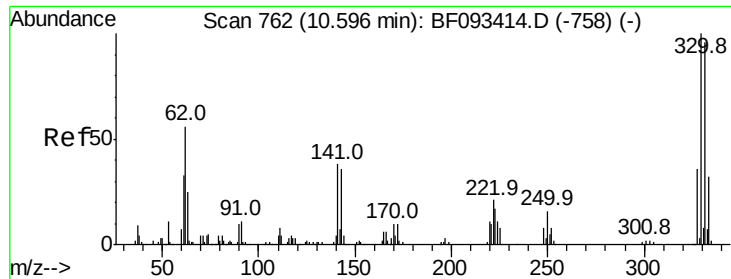


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





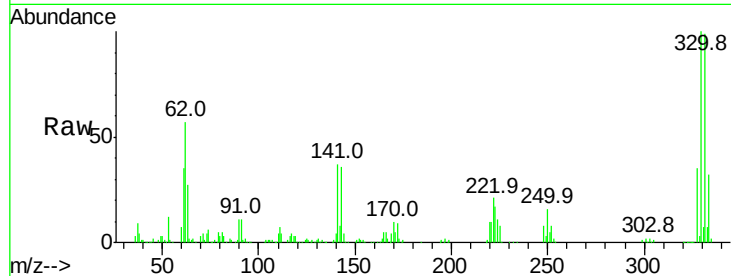
#41
 2,4,6-Tribromophenol
 Concen: 154.74 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampled :
 D-112MS

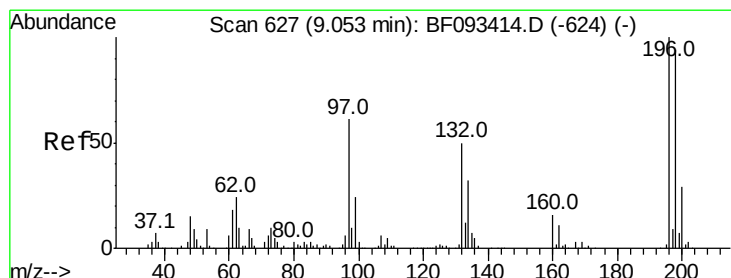
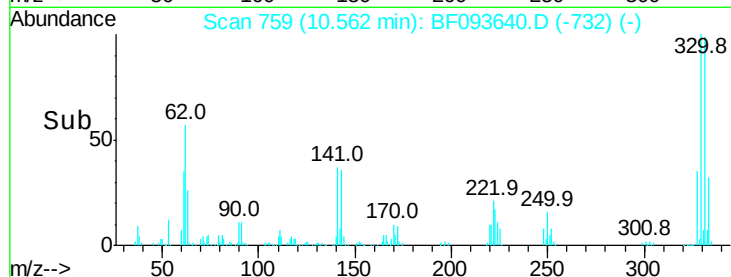
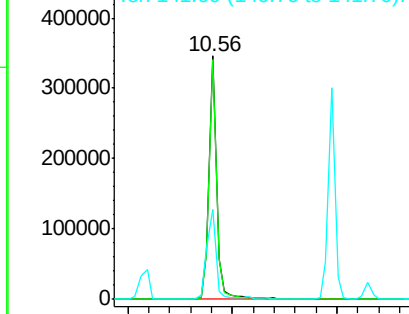
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.5	77.4	116.2	
141	43.6	34.1	51.1	

Manual Integrations
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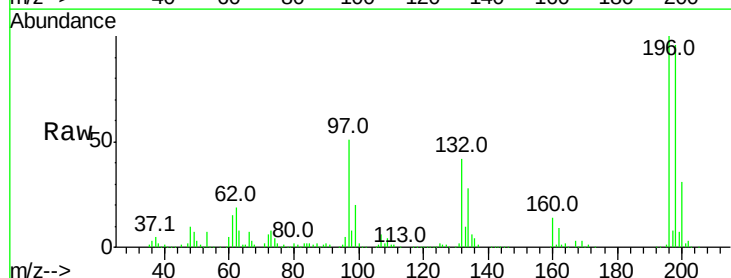


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

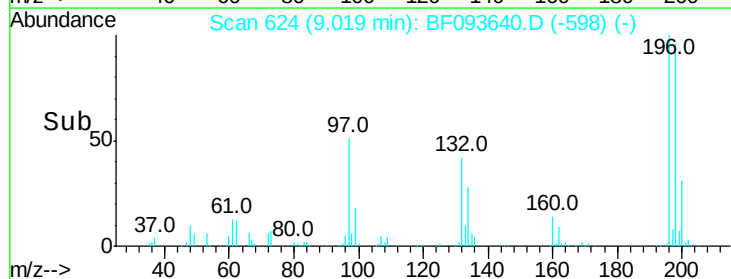
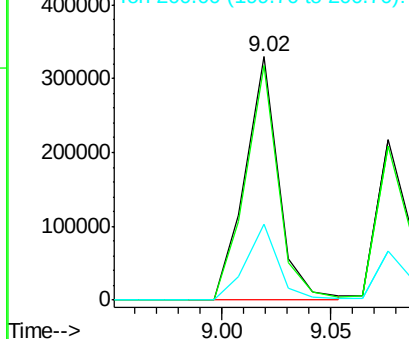


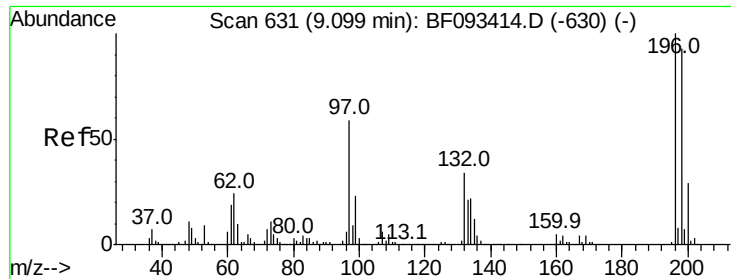
#42
 2,4,6-Trichlorophenol
 Concen: 58.82 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.5	82.1	123.1	
200	31.0	27.0	40.4	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





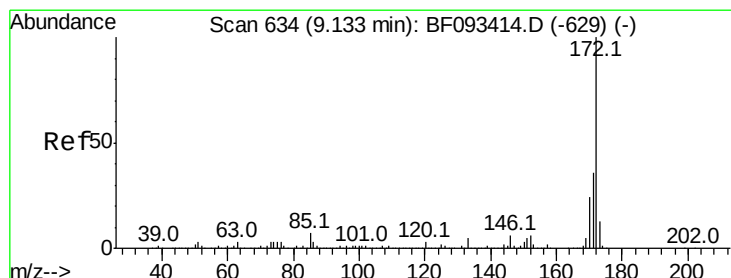
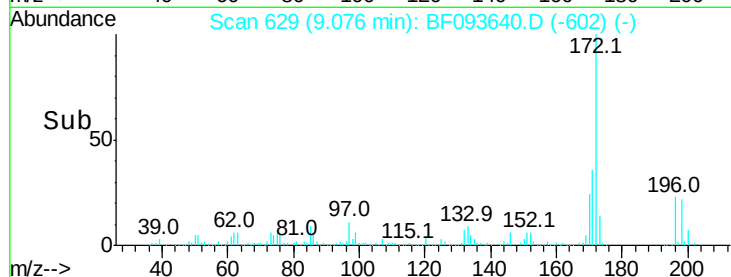
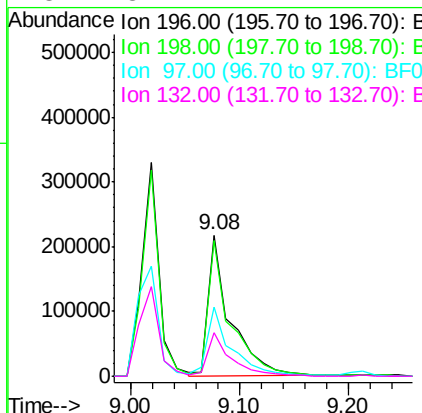
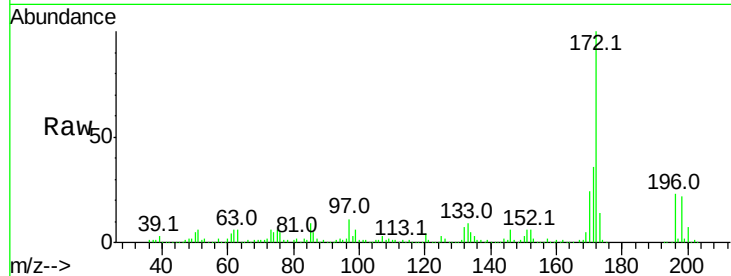
#43
 2,4,5-Trichlorophenol
 Concen: 47.97 ng
 RT: 9.08 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampled :
 D-112MS

Tot Ion:	196	Resp:	310445
Ion Ratio	Lower	Upper	
196	100		
198	95.7	79.4	119.2
97	48.7	51.5	77.3#
132	31.2	27.4	41.2

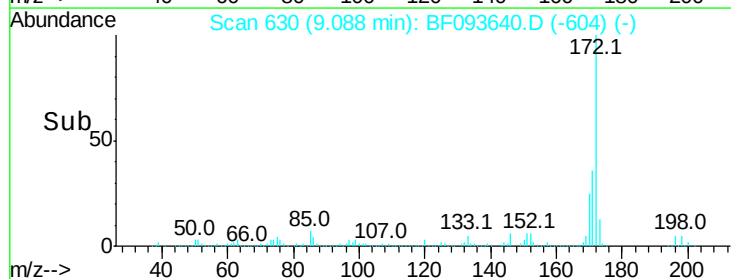
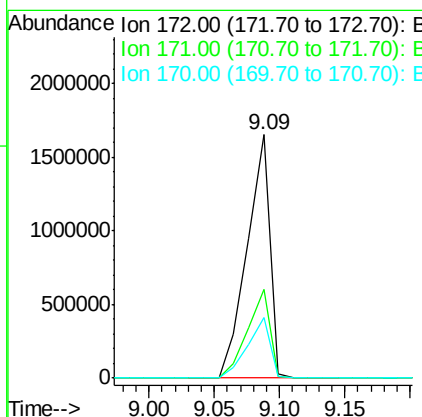
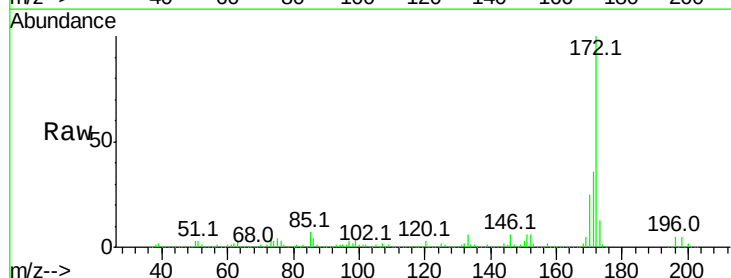
Manual Integrations
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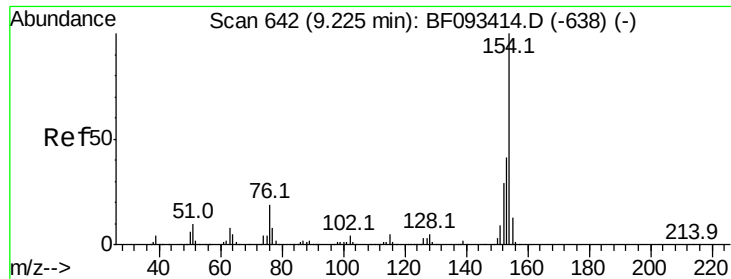
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 105.95 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion:	172	Resp:	2013821
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.4	44.0
170	24.9	20.2	30.4





#45
 1,1'-Biphenyl
 Concen: 52.76 ng
 RT: 9.18 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

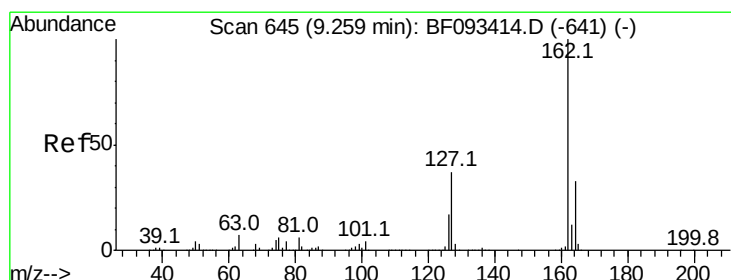
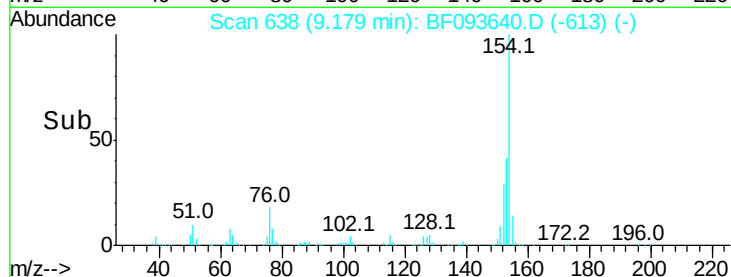
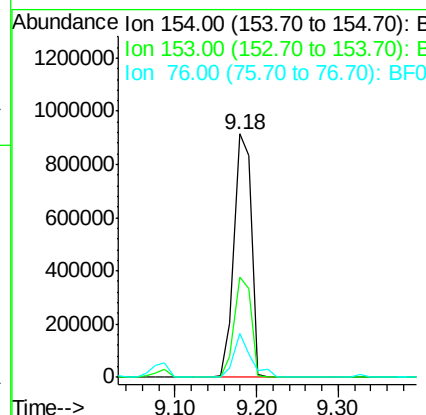
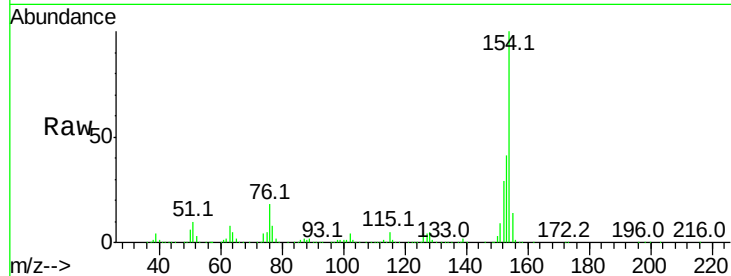
Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion:154 Resp: 1358877

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	18.0	0.0	30.5

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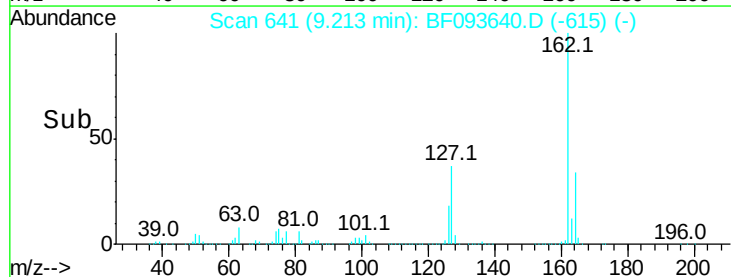
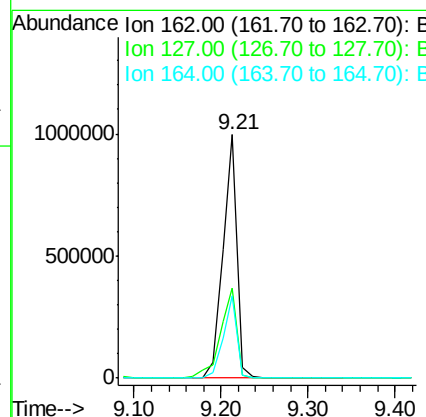
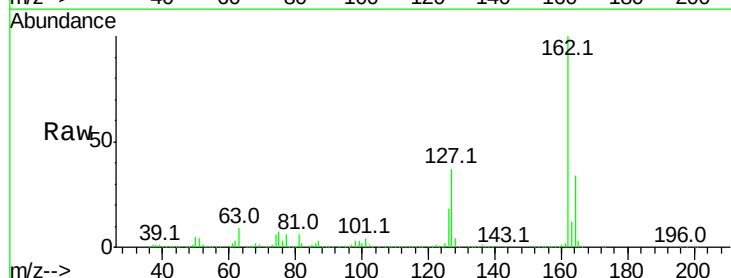
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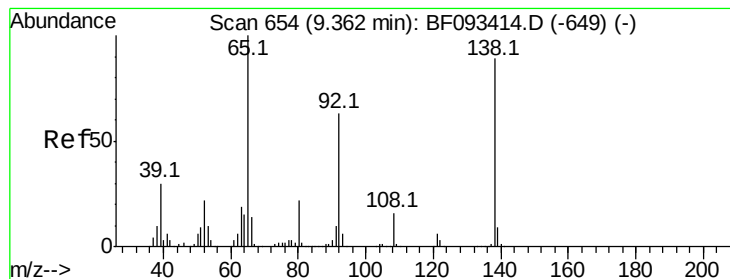


#46
 2-Chloronaphthalene
 Concen: 56.99 ng
 RT: 9.21 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion:162 Resp: 1123442

Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.7	46.1
164	33.6	27.6	41.4





#47

2-Nitroaniline

Concen: 60.91 ng

RT: 9.33 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion: 65 Resp: 424468

Ion Ratio Lower Upper

65 100

92 64.8 53.9 80.9

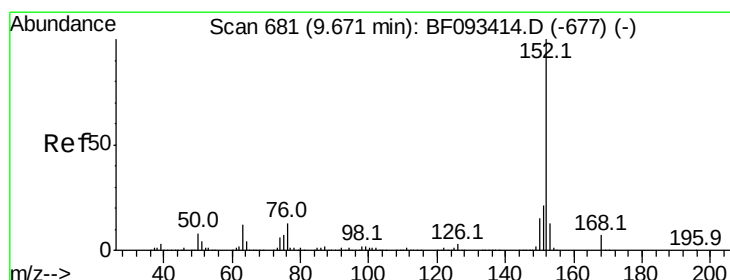
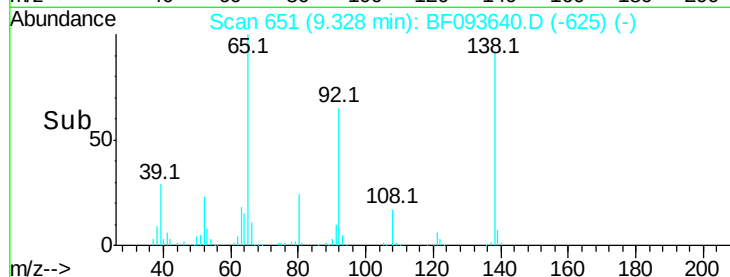
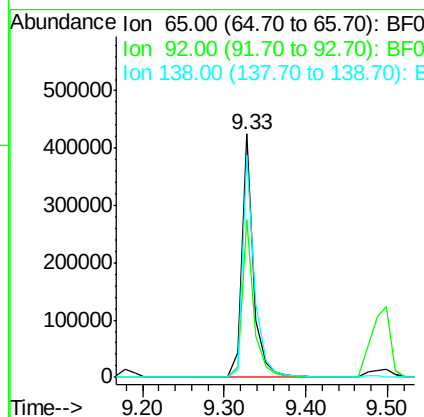
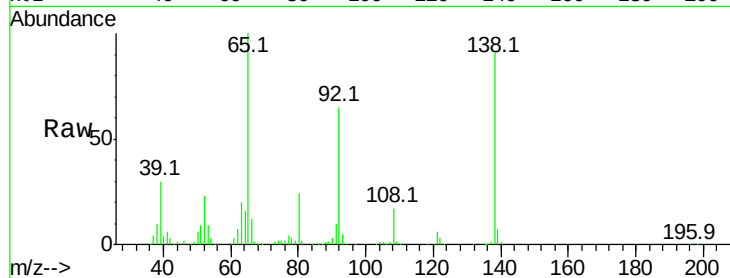
138 91.3 76.8 115.2

Manual Integrations

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#48

Acenaphthylene

Concen: 52.64 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

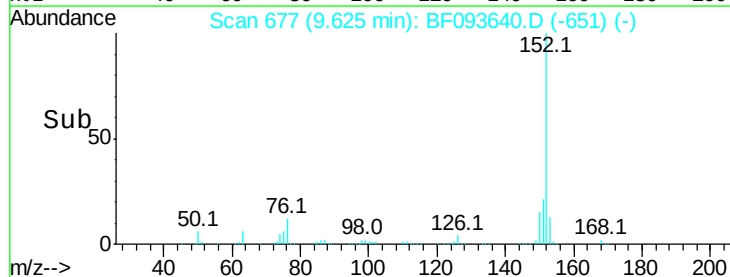
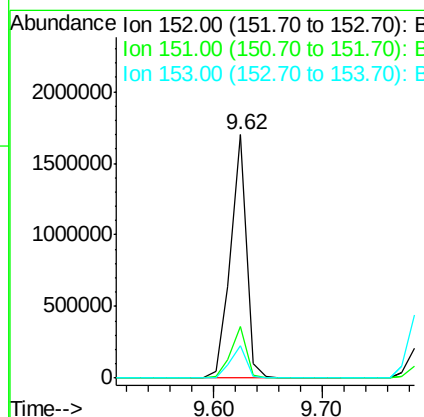
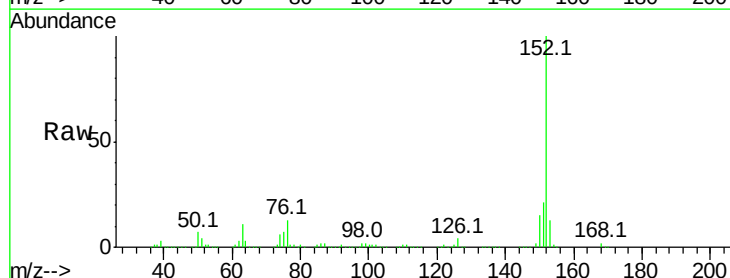
Tgt Ion: 152 Resp: 1711355

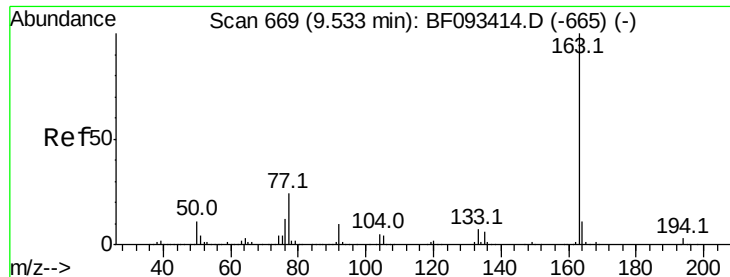
Ion Ratio Lower Upper

152 100

151 21.1 16.9 25.3

153 13.4 11.4 17.2





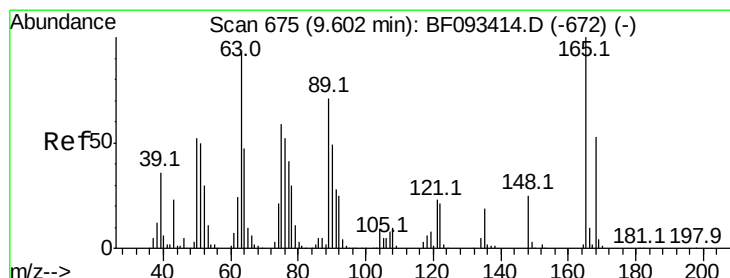
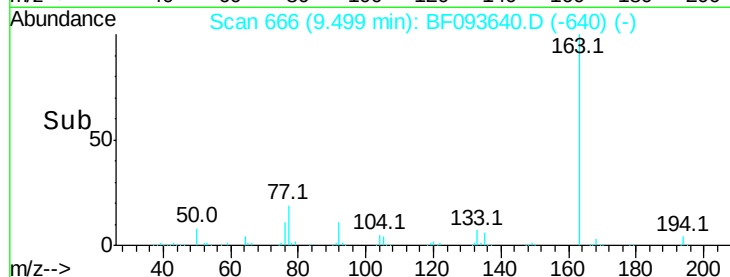
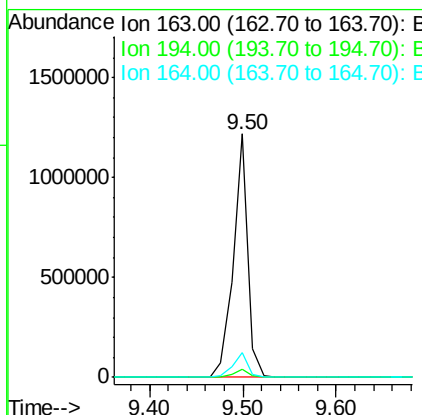
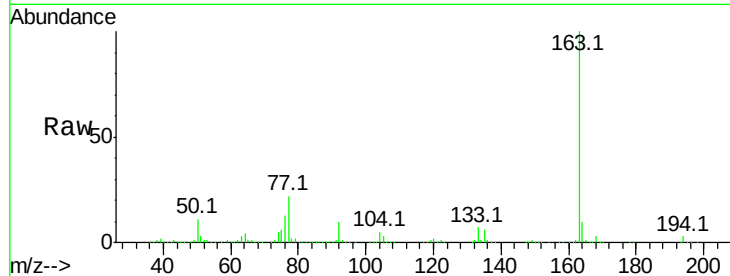
#49
Dimethylphthalate
Concen: 56.29 ng
RT: 9.50 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion:163 Resp: 1319290
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.3 8.0 12.0

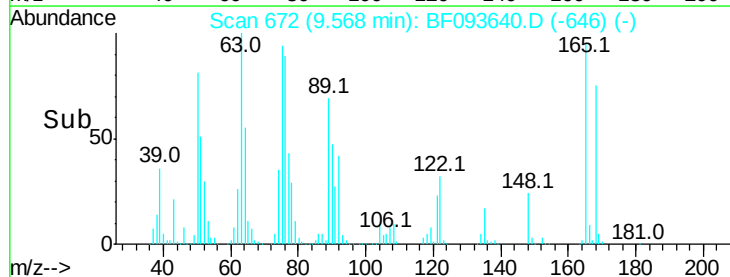
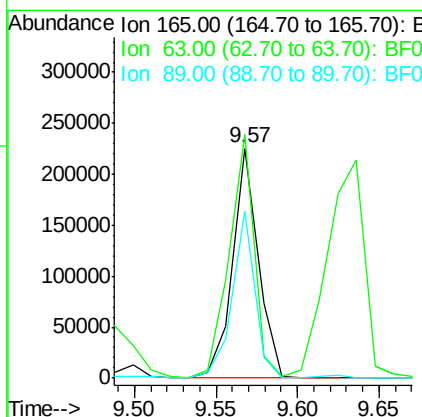
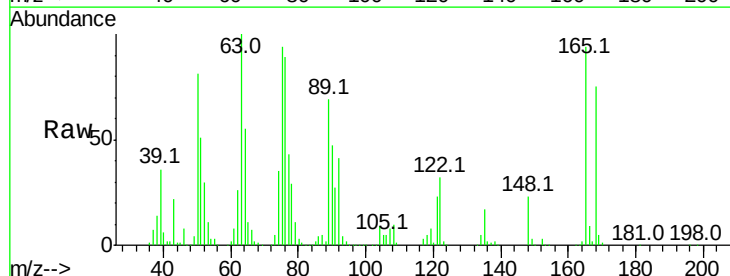
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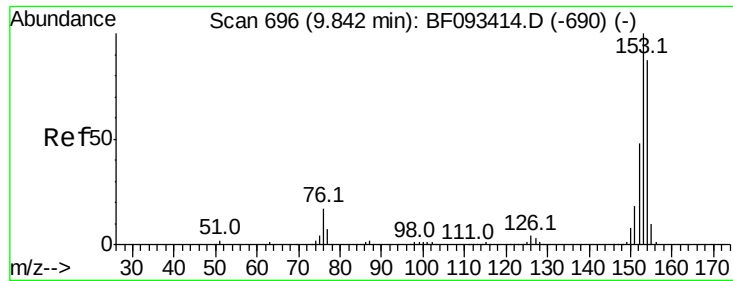
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#50
2,6-Dinitrotoluene
Concen: 47.49 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:165 Resp: 244217
Ion Ratio Lower Upper
165 100
63 106.0 36.2 54.4#
89 72.7 40.2 60.4#





#51

Acenaphthene

Concen: 53.42 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

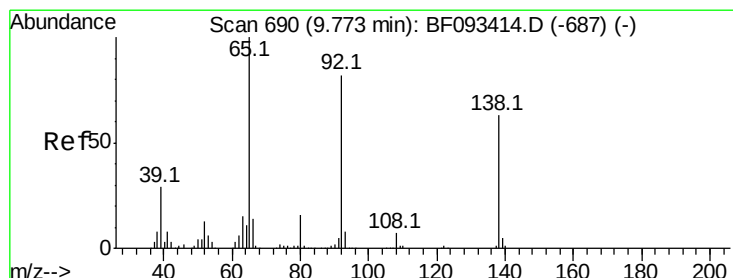
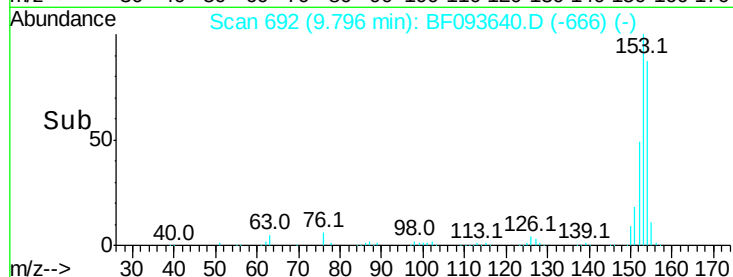
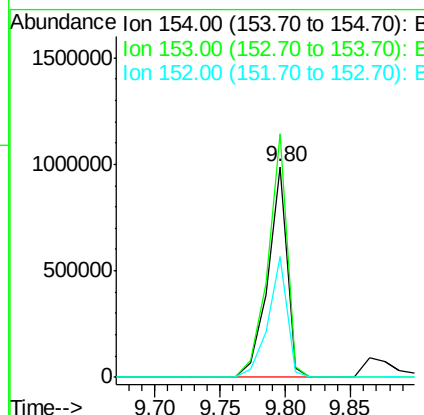
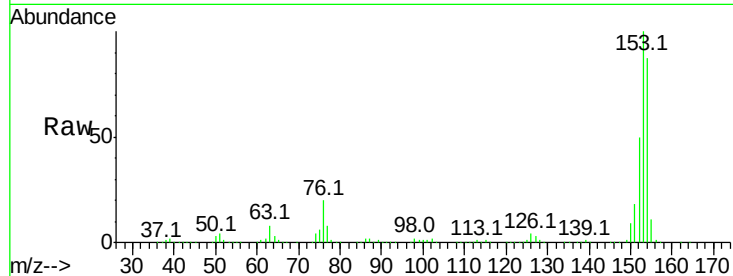
Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion:154 Resp: 1027130

Ion	Ratio	Lower	Upper
154	100		
153	115.4	88.6	133.0
152	57.2	41.6	62.4

Manual Integrations
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#52

3-Nitroaniline

Concen: 18.81 ng

RT: 9.75 min Scan# 688

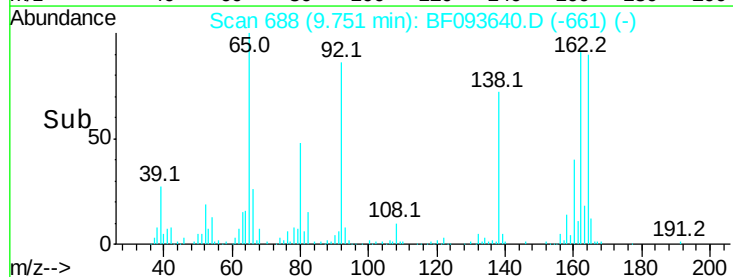
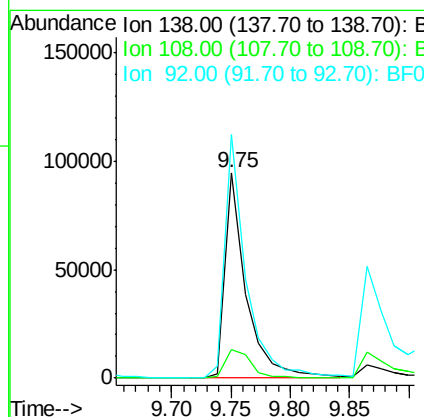
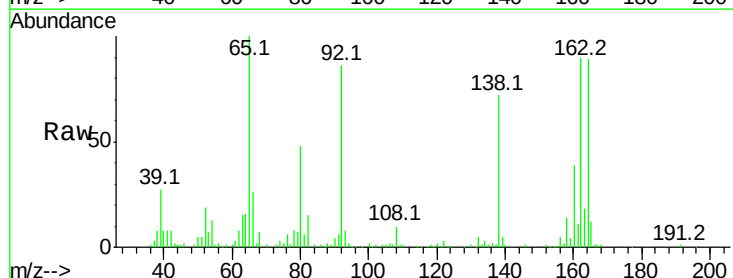
Delta R.T. 0.01 min

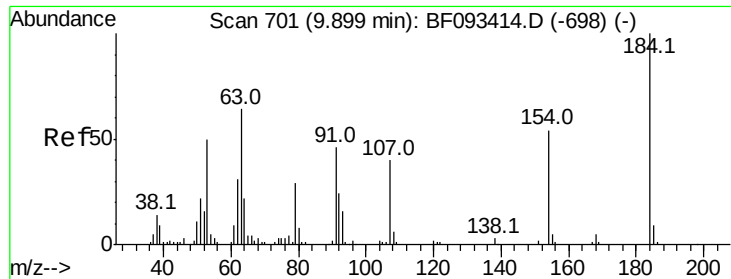
Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion:138 Resp: 116239

Ion	Ratio	Lower	Upper
138	100		
108	14.0	8.5	12.7#
92	118.5	97.8	146.8





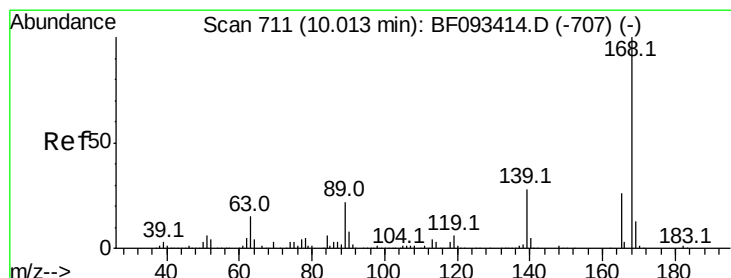
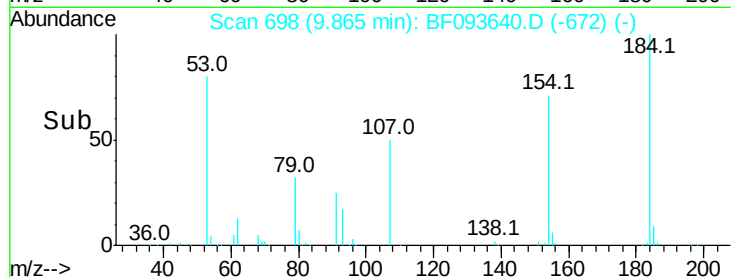
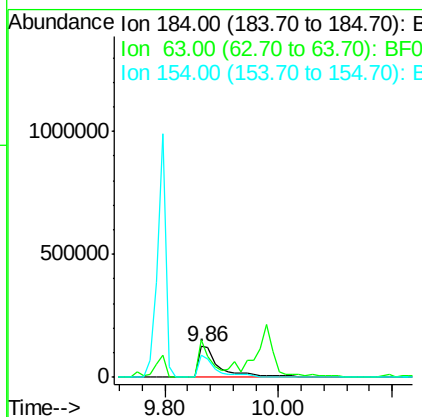
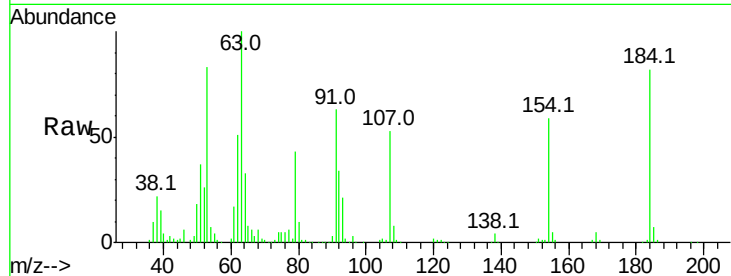
#53
2,4-Dinitrophenol
Concen: 138.47 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	122.0	28.4	42.6#	
154	71.7	44.3	66.5#	

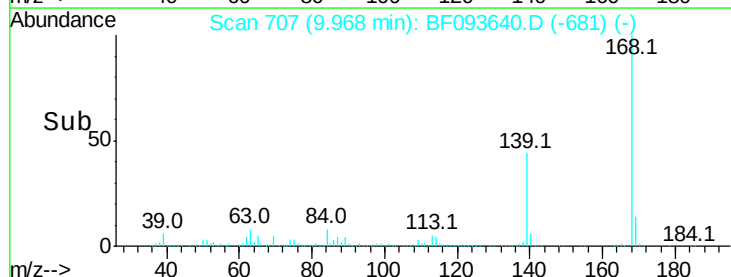
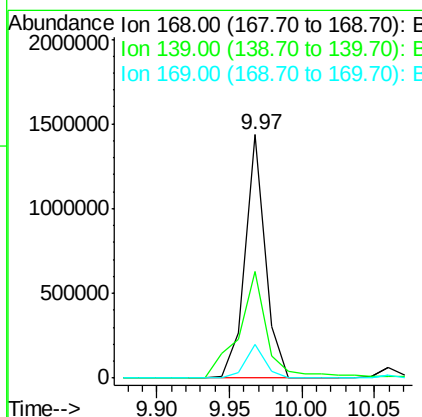
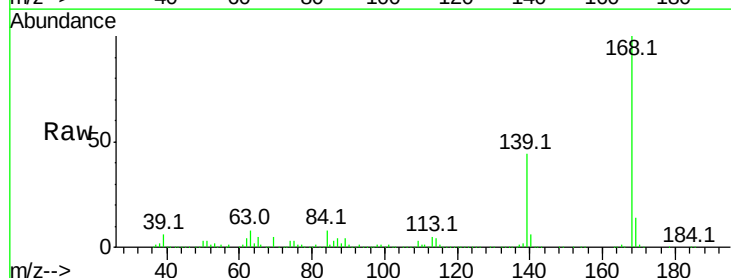
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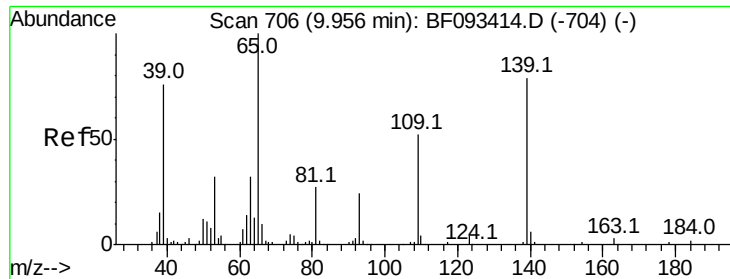
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#54
Dibenzofuran
Concen: 57.52 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	43.8	32.6	49.0	
169	13.9	11.3	16.9	





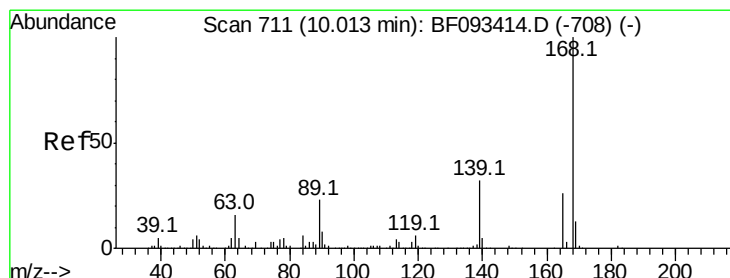
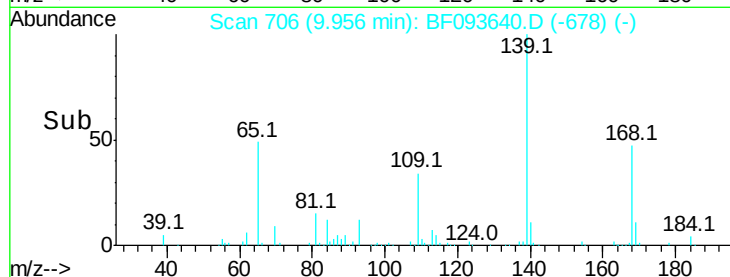
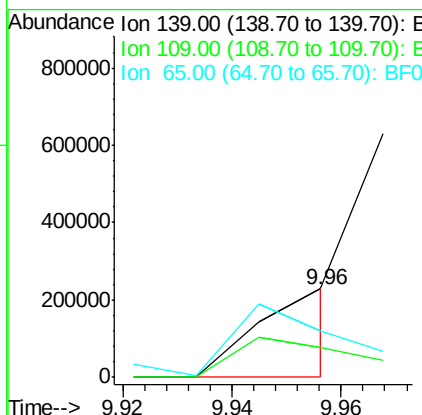
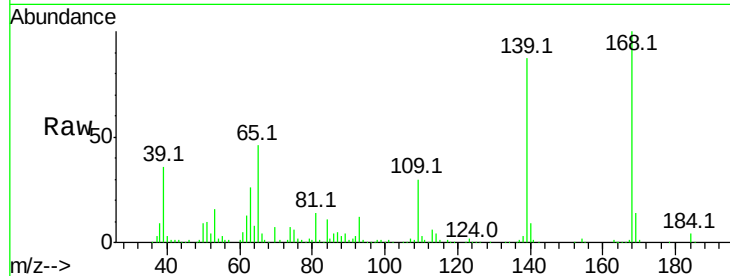
#55
4-Nitrophenol
Concen: 85.01 ng/mL
RT: 9.96 min Scan# 706
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	34.4	52.2	92.2#
65	53.2	85.8	125.8#

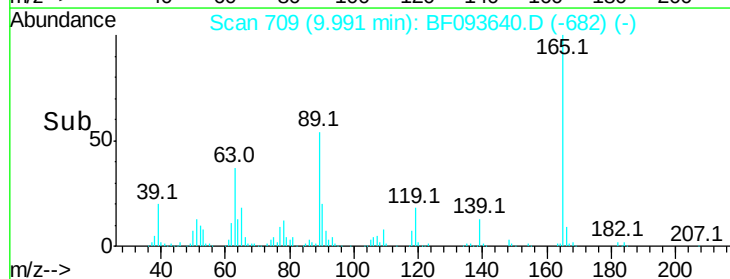
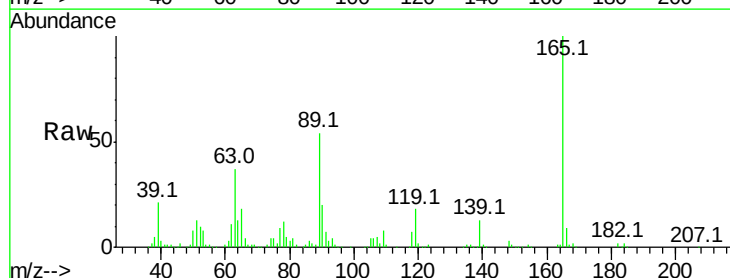
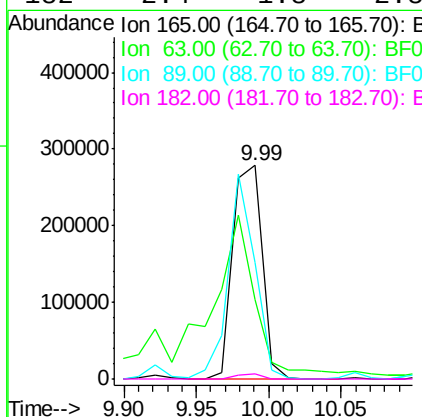
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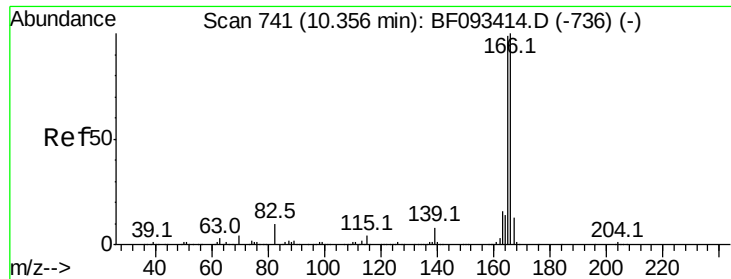
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#56
2,4-Dinitrotoluene
Concen: 62.35 ng/mL
RT: 9.99 min Scan# 709
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	37.2	40.2	60.4#
89	54.4	62.5	93.7#
182	2.4	1.8	2.8





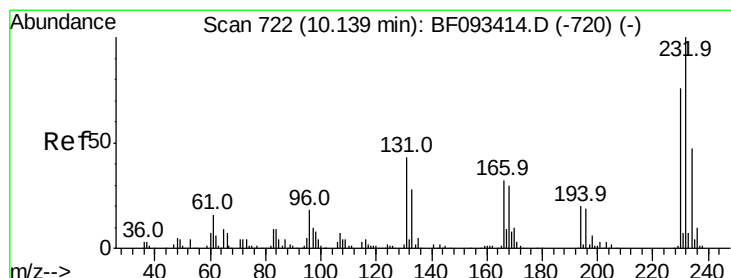
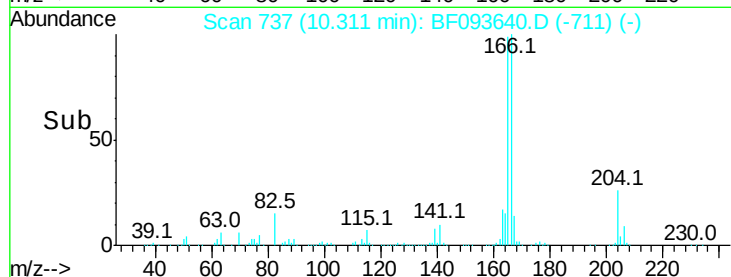
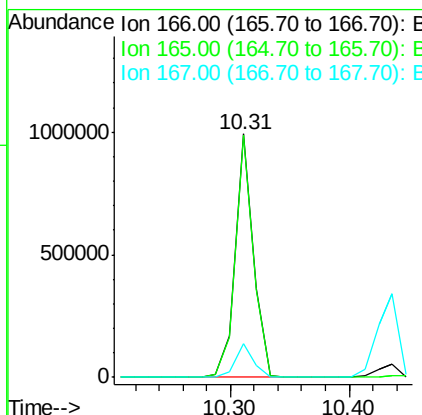
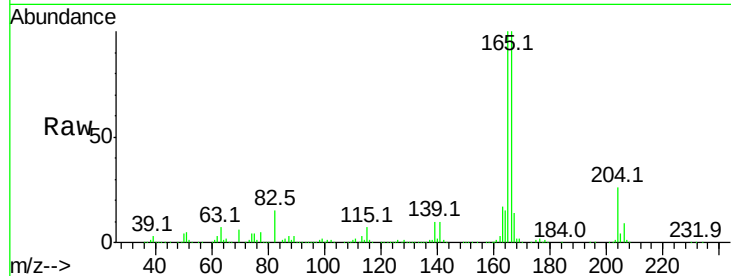
#57
Fluorene
Concen: 52.01 ng
RT: 10.31 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion:166 Resp: 1060459
Ion Ratio Lower Upper
166 100
165 99.5 77.8 116.8
167 14.0 10.8 16.2

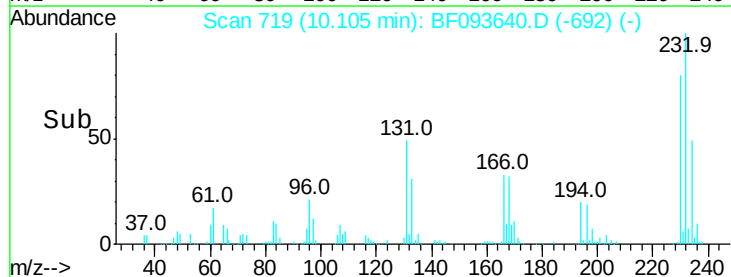
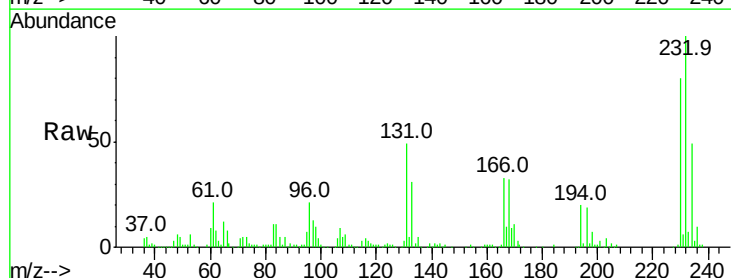
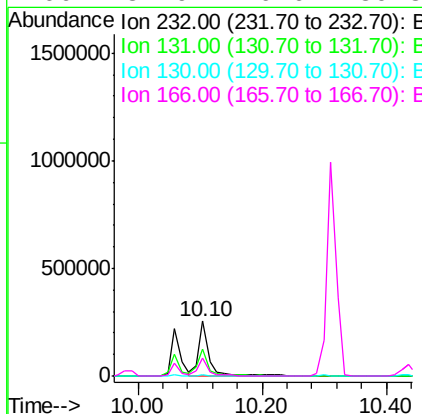
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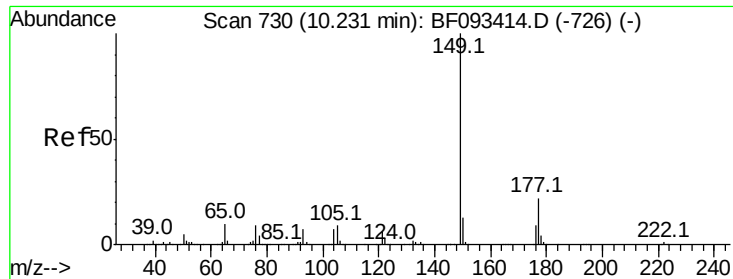
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#58
2,3,4,6-Tetrachlorophenol
Concen: 65.75 ng
RT: 10.10 min Scan# 719
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:232 Resp: 300288
Ion Ratio Lower Upper
232 100
131 51.4 40.1 60.1
130 2.6 1.8 2.8
166 31.9 26.6 39.8





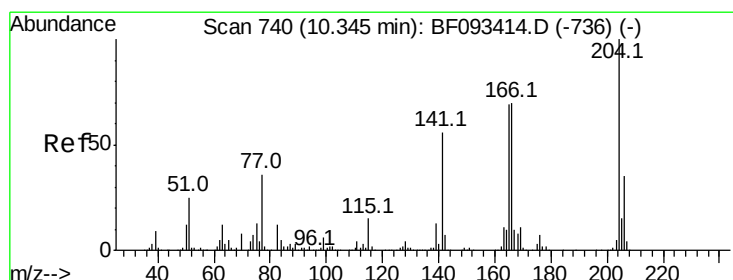
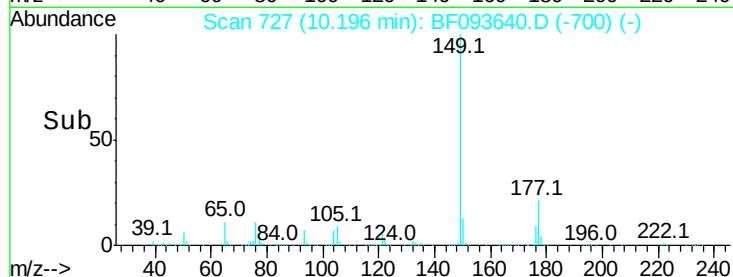
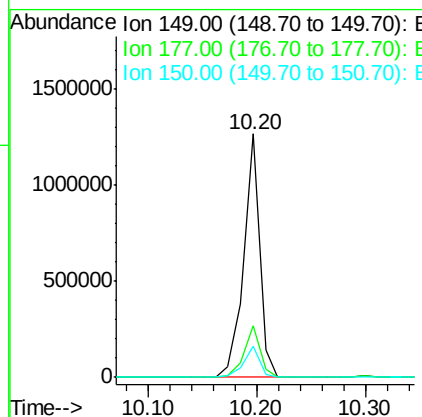
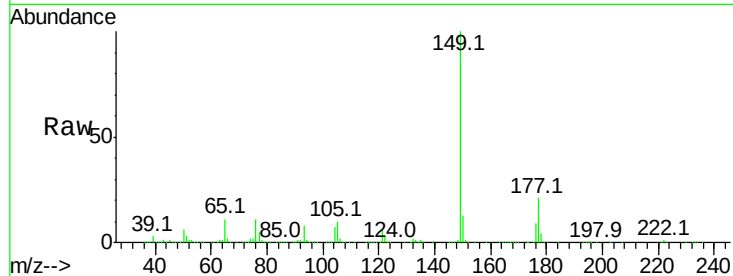
#59
Diethylphthalate
Concen: 56.92 ng
RT: 10.20 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion:149 Resp: 1275033
Ion Ratio Lower Upper
149 100
177 21.3 16.6 25.0
150 12.7 10.4 15.6

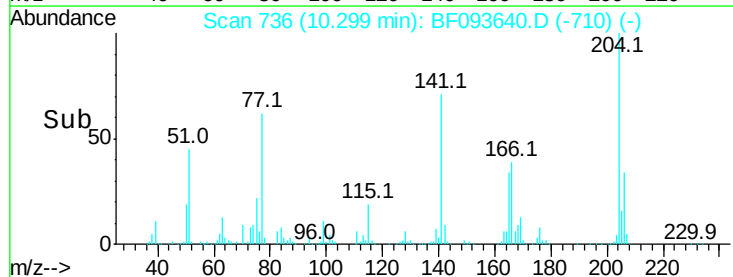
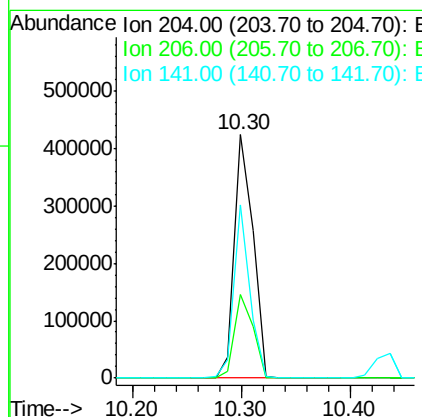
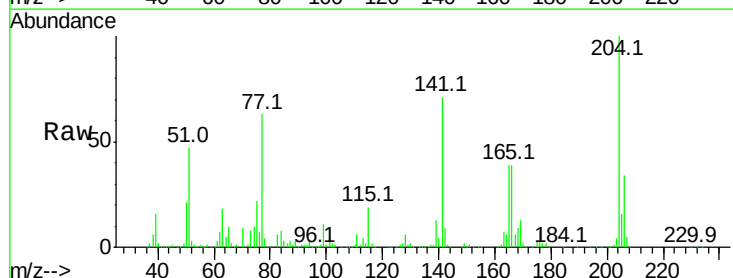
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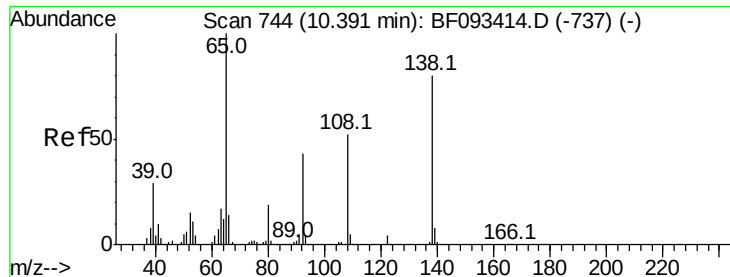
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#60
4-Chlorophenyl-phenylether
Concen: 54.44 ng
RT: 10.30 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:204 Resp: 497613
Ion Ratio Lower Upper
204 100
206 34.1 25.8 38.6
141 71.3 59.4 89.0





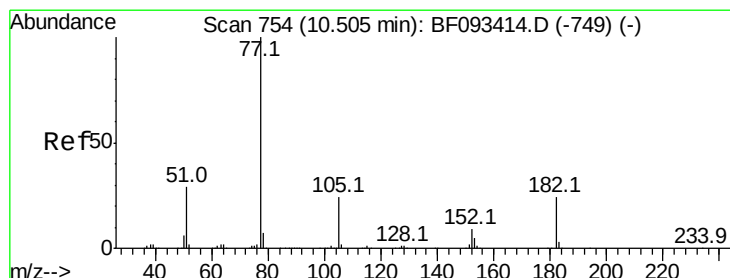
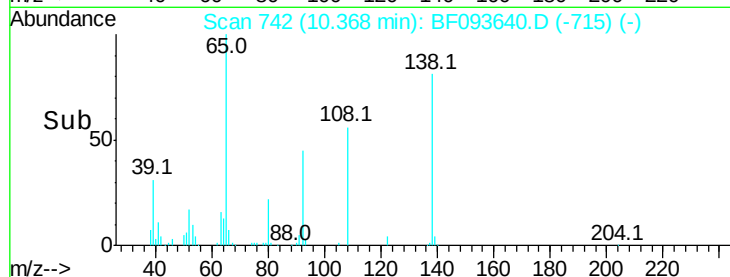
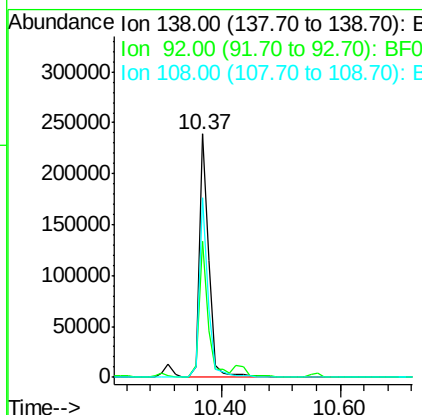
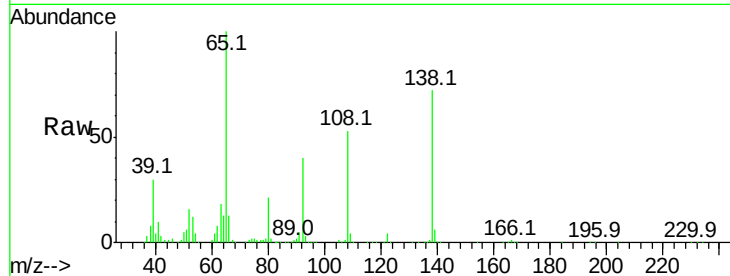
#61
4-Nitroaniline
Concen: 43.63 ng
RT: 10.37 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	55.8	31.7	71.7
108	73.7	52.6	92.6

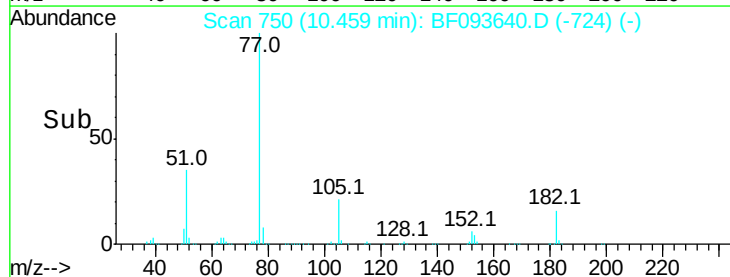
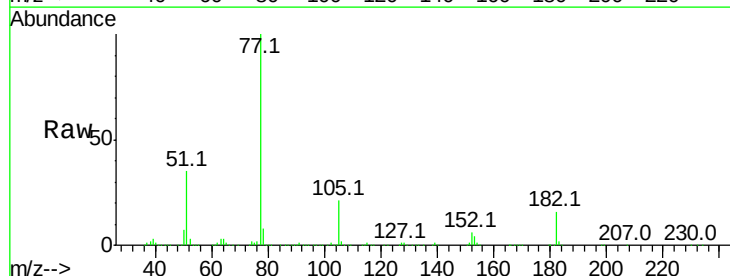
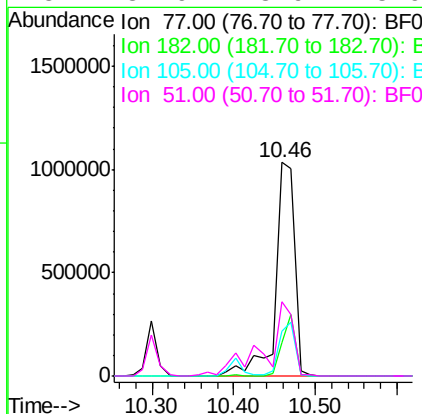
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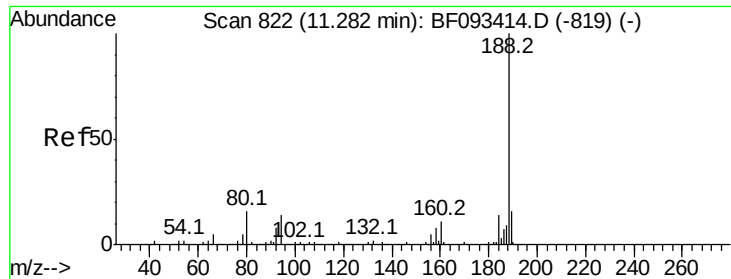
mohammad
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#62
Azobenzene
Concen: 66.02 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	15.5	0.0	39.3
105	20.7	2.3	42.3
51	34.9	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

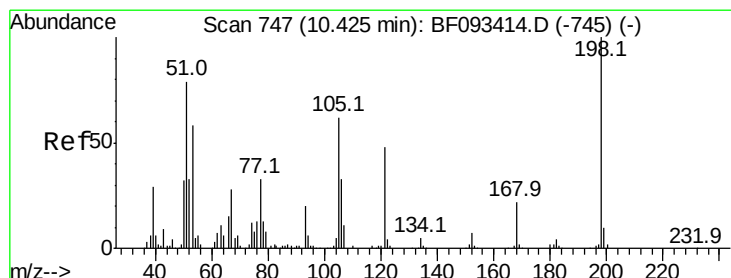
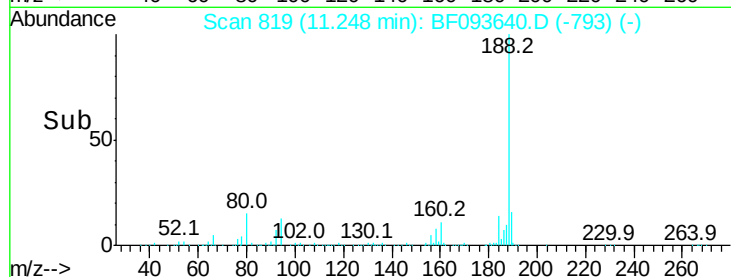
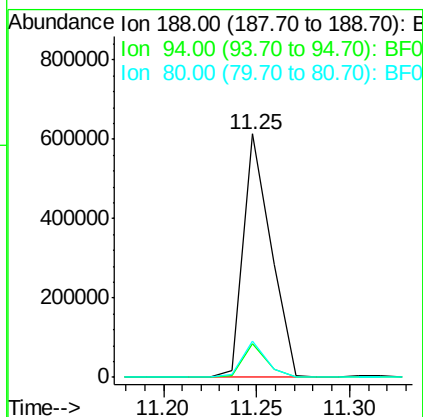
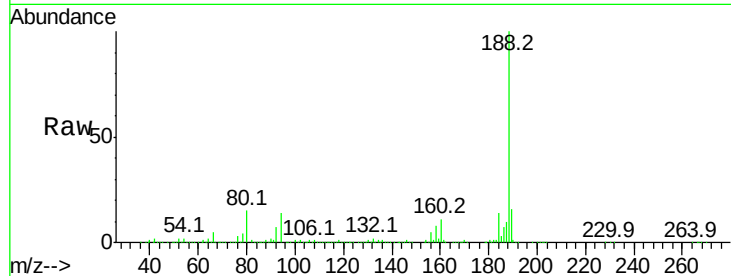
ClientSampleId :

D-112MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	632942		
94	13.7		10.0	15.0
80	14.9		11.2	16.8

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#64

4,6-Dinitro-2-methylphenol

Concen: 51.57 ng

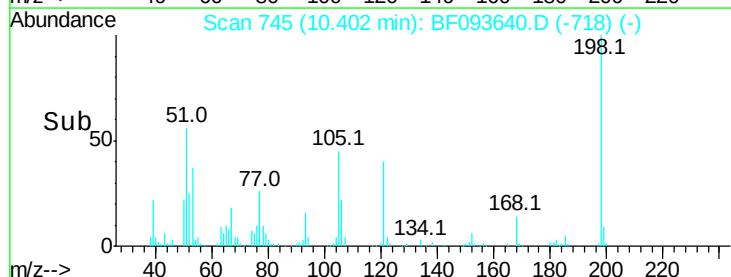
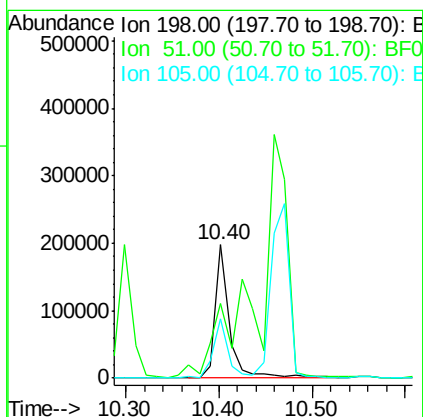
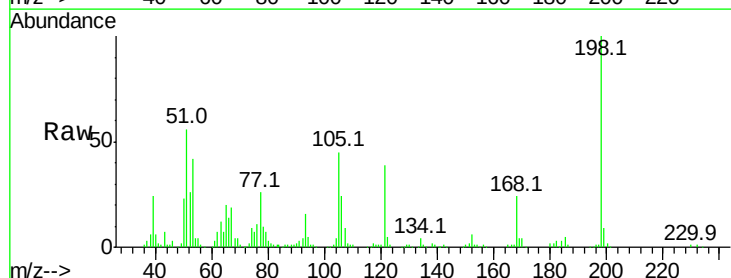
RT: 10.40 min Scan# 745

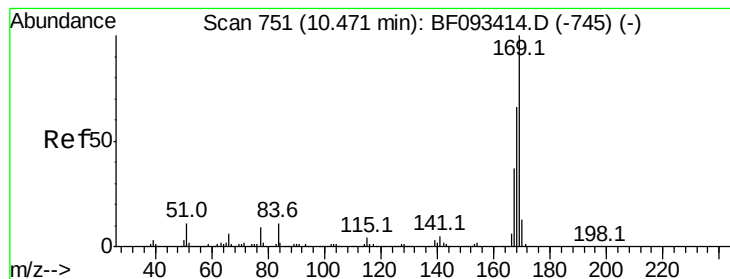
Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	211487		
51	55.9		6.7	46.7#
105	44.9		16.6	56.6





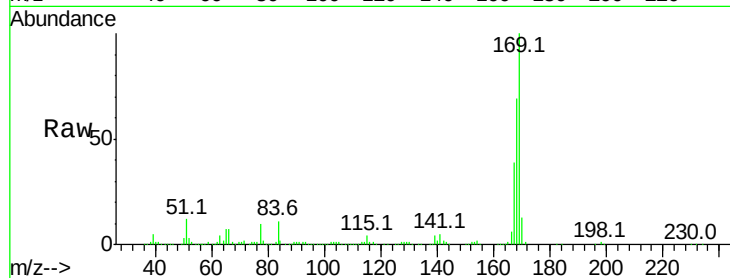
#65
n-Nitrosodiphenylamine
Concen: 50.48 ng
RT: 10.44 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

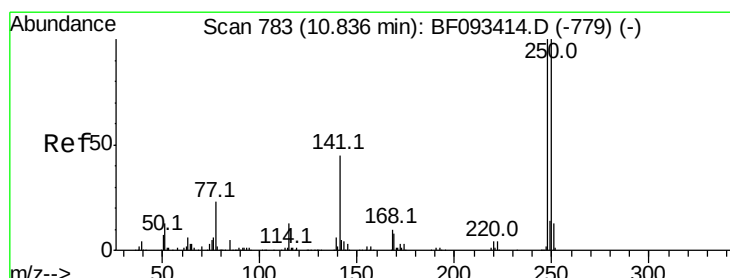
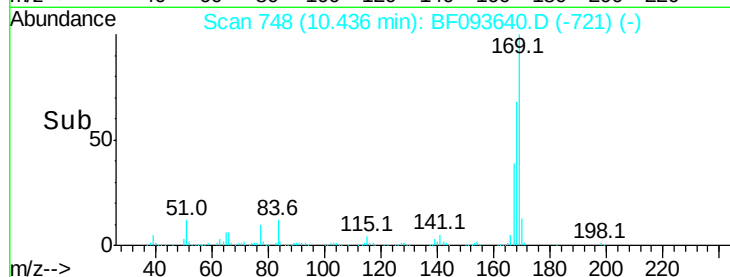
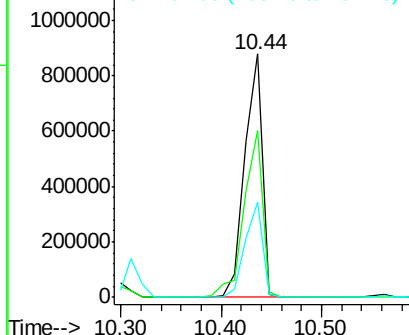
Tot Ion:169 Resp: 1066798
Ion Ratio Lower Upper
169 100
168 68.8 54.2 81.2
167 38.9 30.2 45.4

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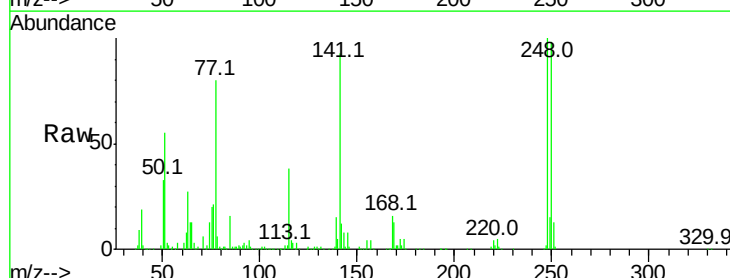


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

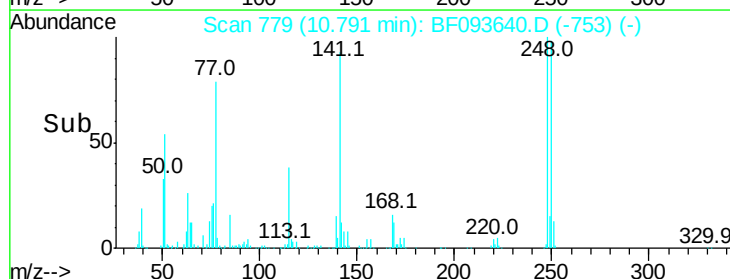
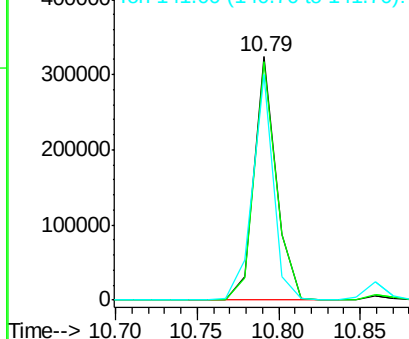


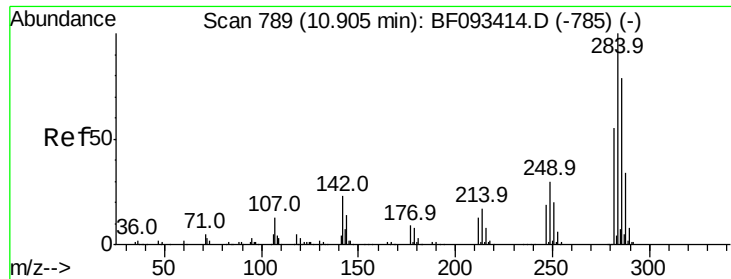
#66
4-Bromophenyl-phenylether
Concen: 45.80 ng
RT: 10.79 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:248 Resp: 306524
Ion Ratio Lower Upper
248 100
250 97.9 76.9 115.3
141 92.8 68.2 102.4



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





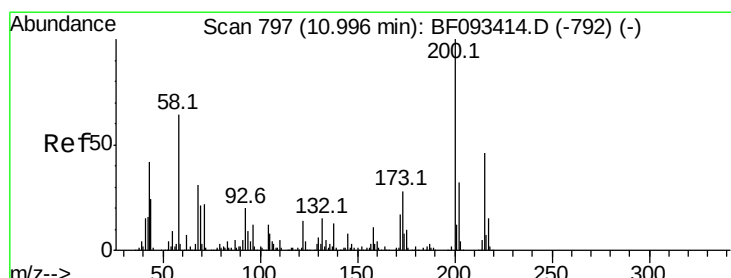
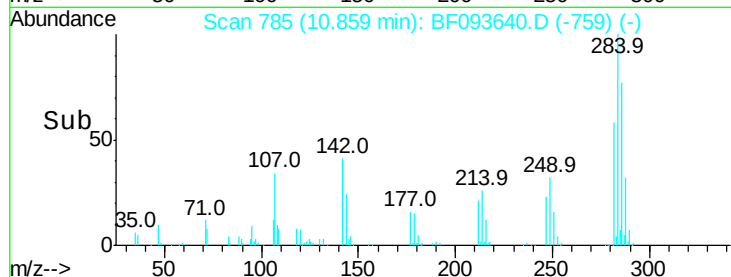
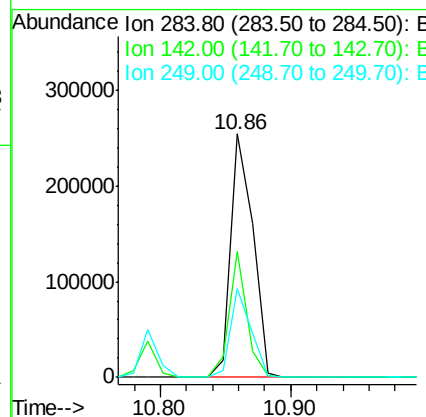
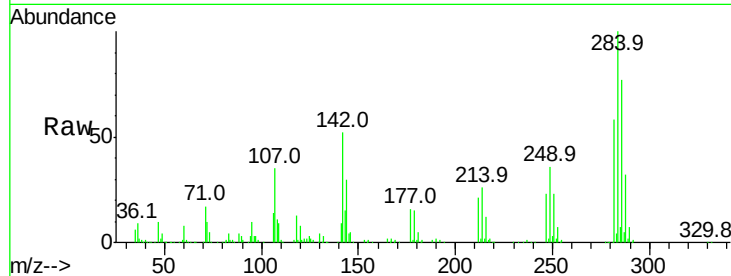
#67
Hexachlorobenzene
Concen: 47.12 ng
RT: 10.86 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	51.8	22.6	33.8#	
249	36.2	25.4	38.0	

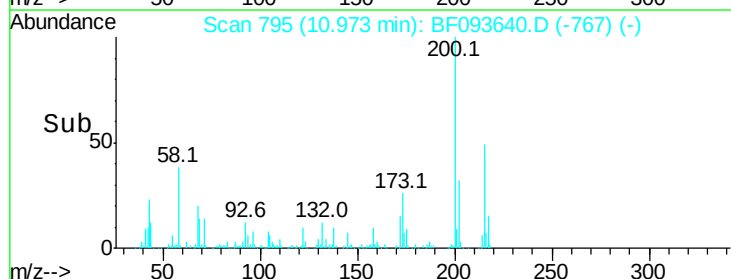
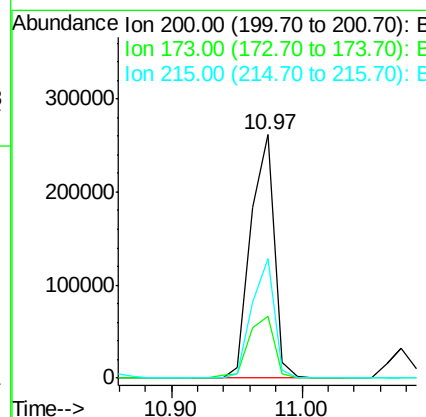
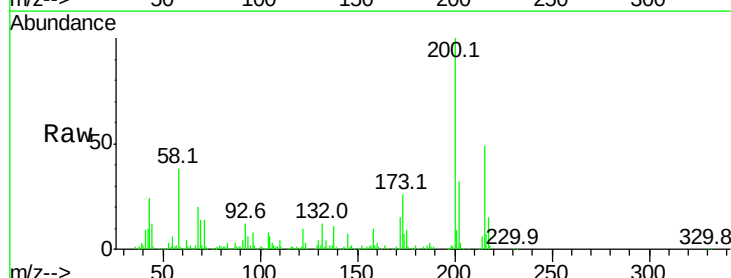
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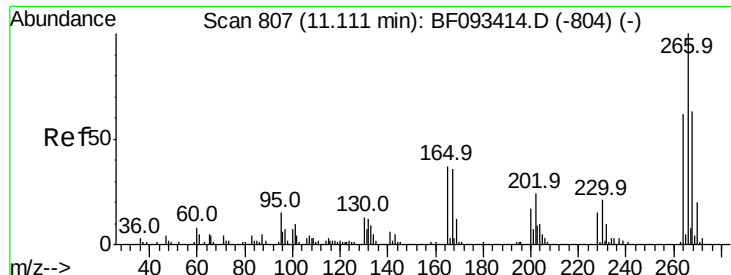
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#68
Atrazine
Concen: 52.93 ng
RT: 10.97 min Scan# 795
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	25.6	9.6	49.6	
215	49.3	25.7	65.7	





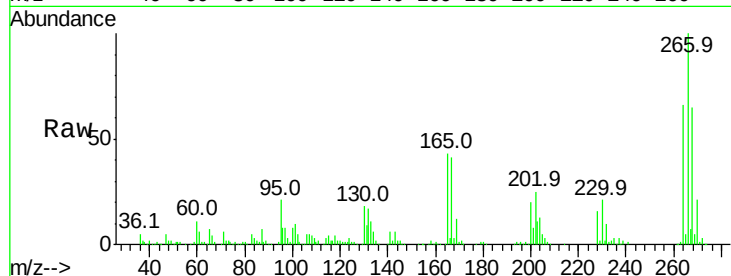
#69
 Pentachlorophenol
 Concen: 109.66 ng
 RT: 11.08 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

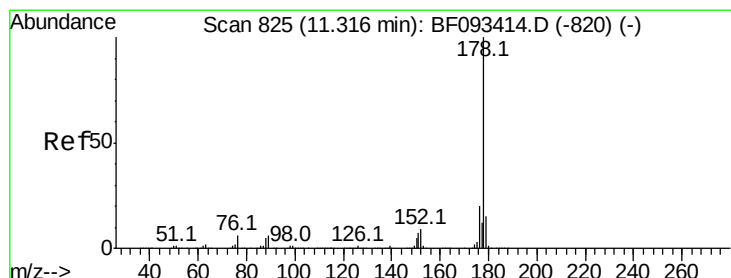
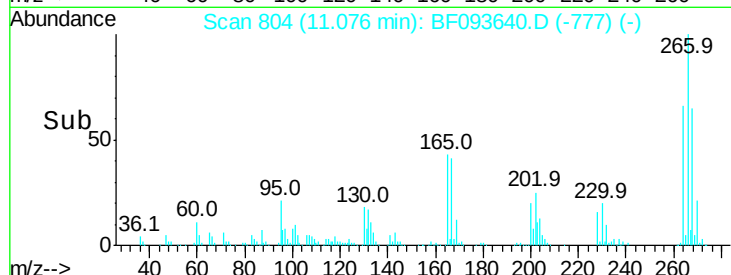
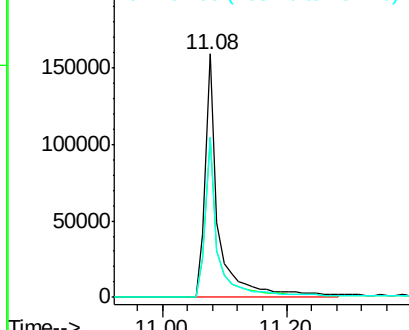
Tot Ion	Ratio	Resp	Lower	Upper
266	100	241970		
268	65.4		53.3	79.9
264	65.8		50.3	75.5

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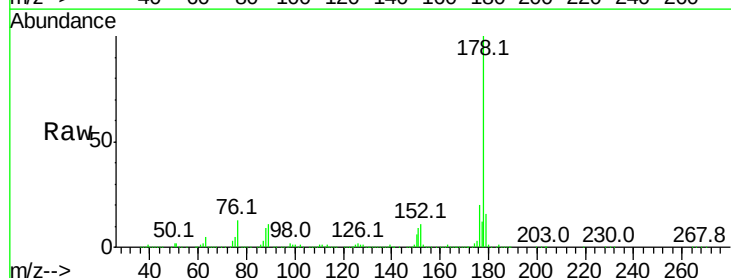


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

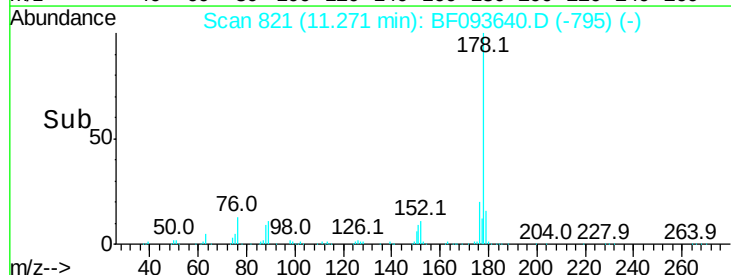
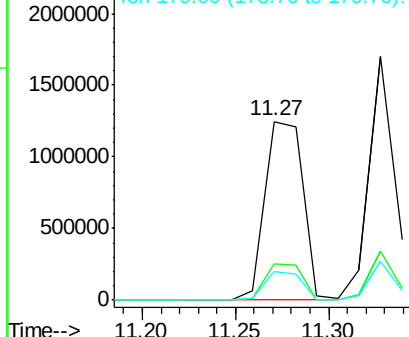


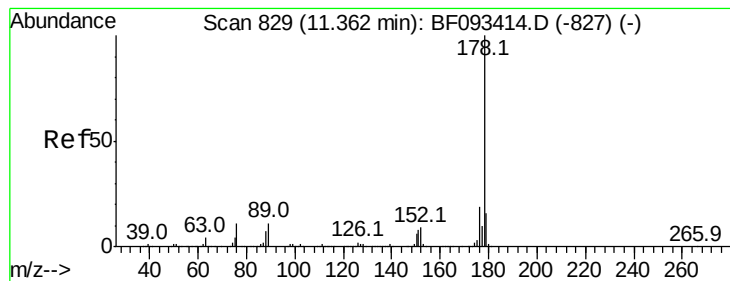
#70
 Phenanthrene
 Concen: 48.79 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1762595		
176	20.2		16.6	25.0
179	16.1		12.8	19.2



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





#71

Anthracene

Concen: 45.05 ng

RT: 11.33 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

ClientSampleId :

D-112MS

Tot Ion:178 Resp: 1646512

Ion Ratio Lower Upper

178 100

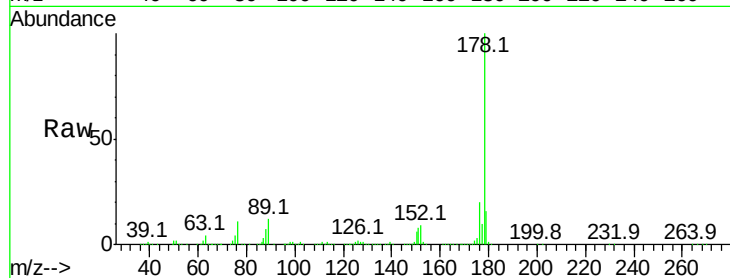
176 20.3 15.9 23.9

179 15.9 13.2 19.8

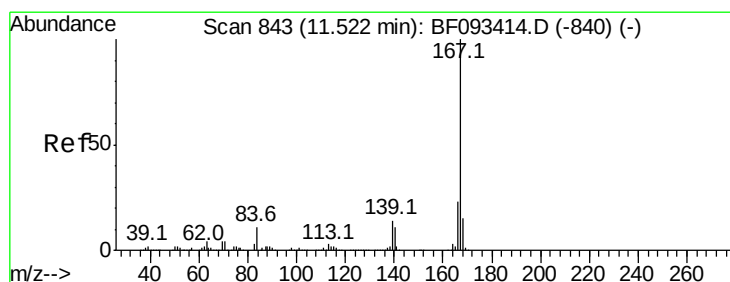
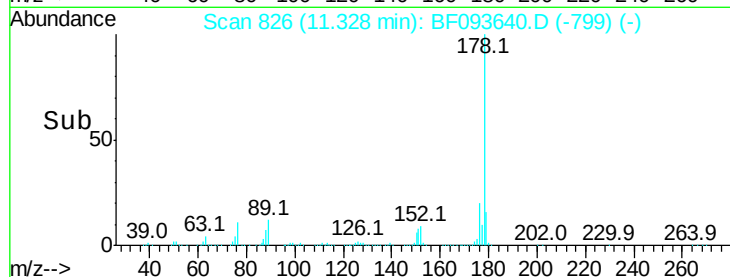
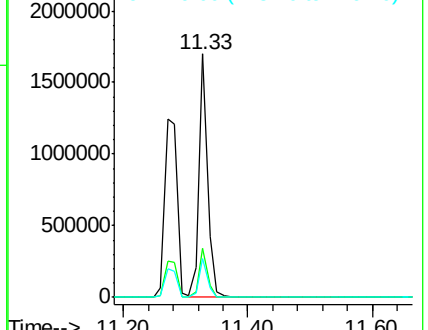
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 49.43 ng

RT: 11.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

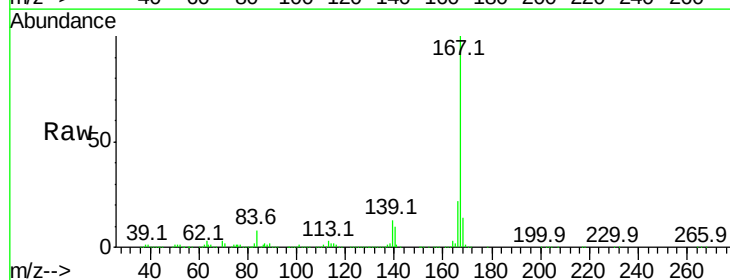
Tgt Ion:167 Resp: 1697045

Ion Ratio Lower Upper

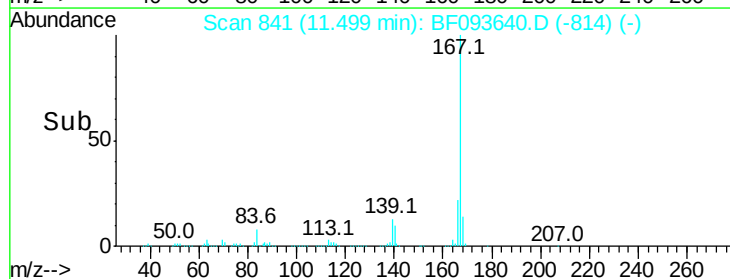
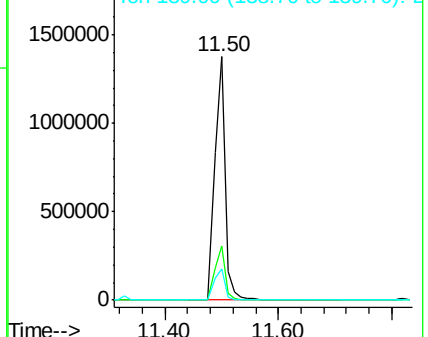
167 100

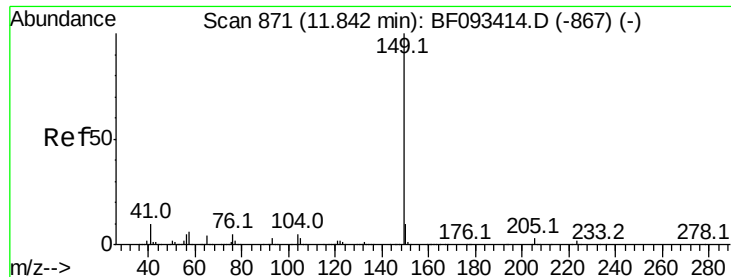
166 22.3 18.2 27.2

139 12.6 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





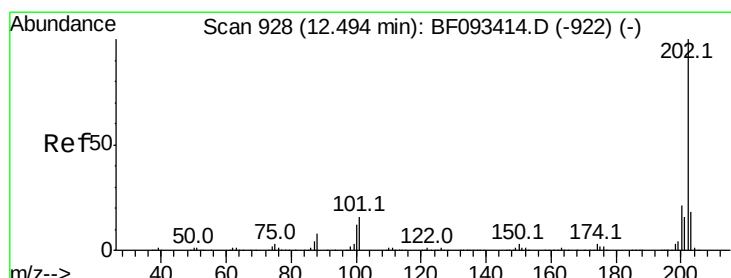
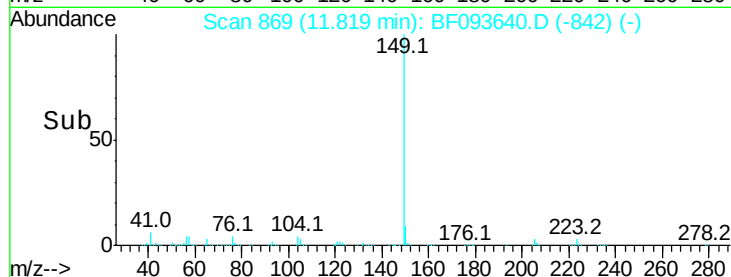
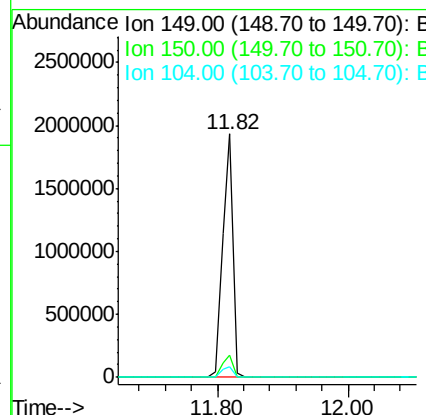
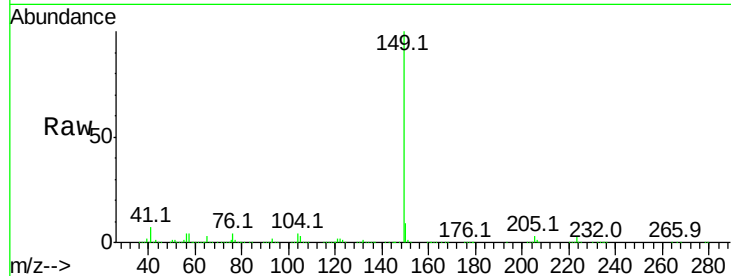
#73
Di-n-butylphthalate
Concen: 54.64 ng
RT: 11.82 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion:149 Resp: 2170272
Ion Ratio Lower Upper
149 100
150 9.3 8.1 12.1
104 4.4 4.6 7.0#

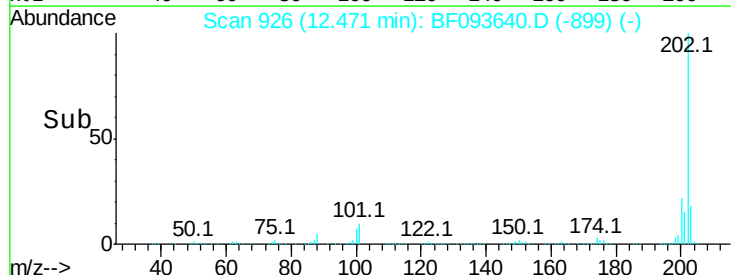
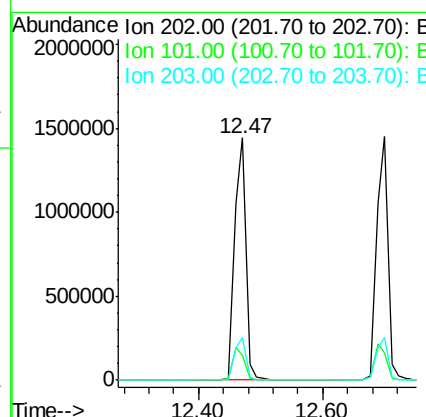
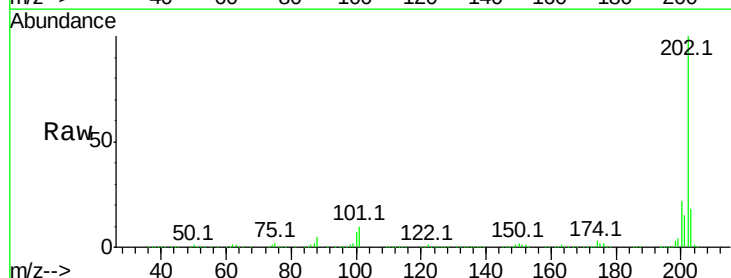
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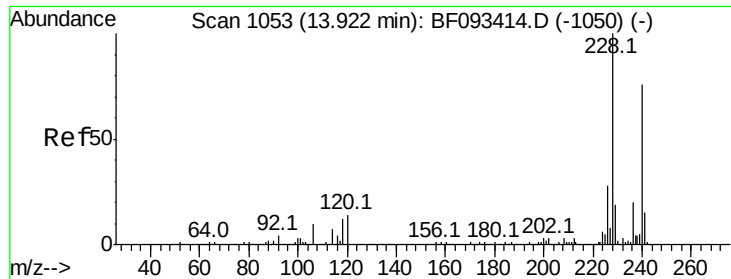
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#74
Fluoranthene
Concen: 52.19 ng
RT: 12.47 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:202 Resp: 1821470
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.6
203 17.5 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

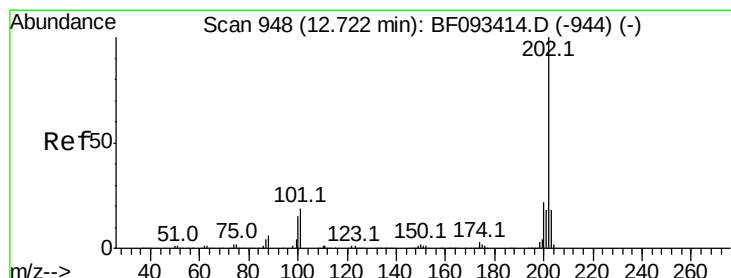
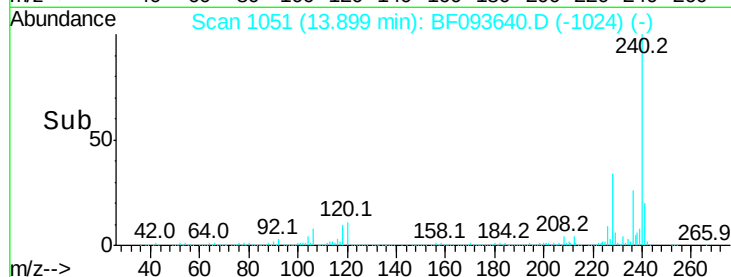
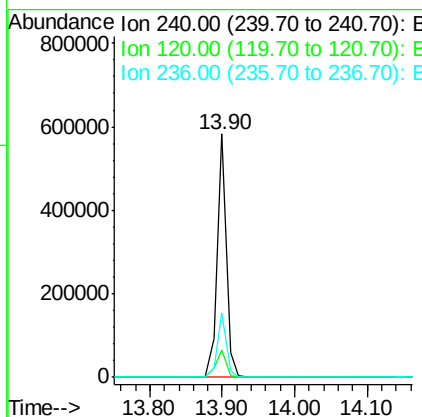
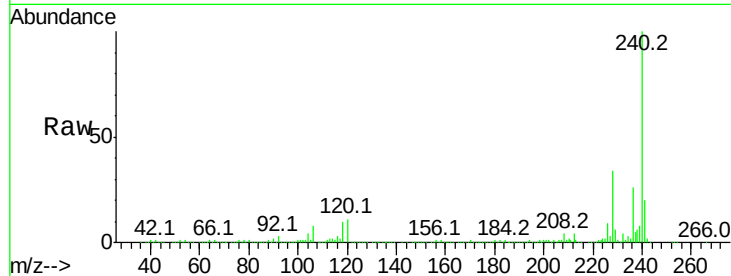
ClientSampleId :

D-112MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	12.9	19.3#
236	26.3	20.9	31.3

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#77

Pyrene

Concen: 49.03 ng

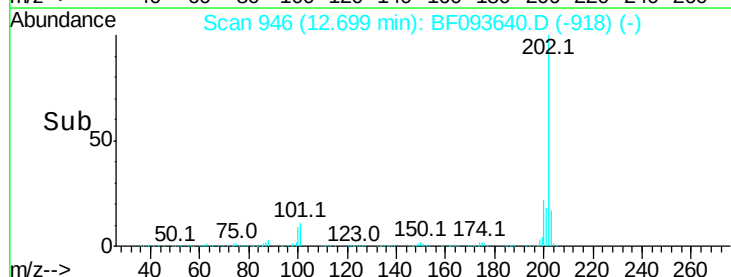
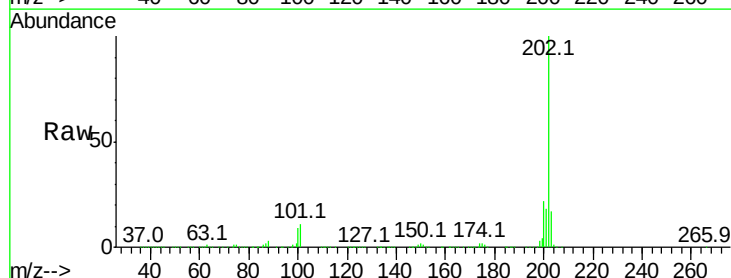
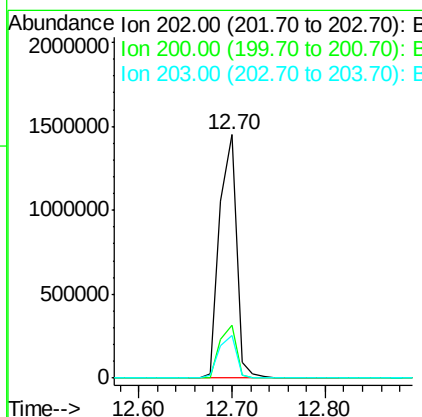
RT: 12.70 min Scan# 946

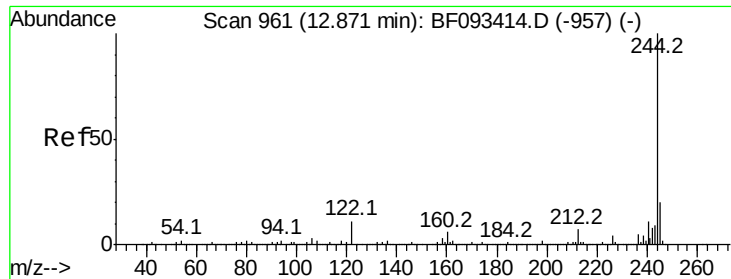
Delta R.T. 0.02 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.4	14.7	22.1





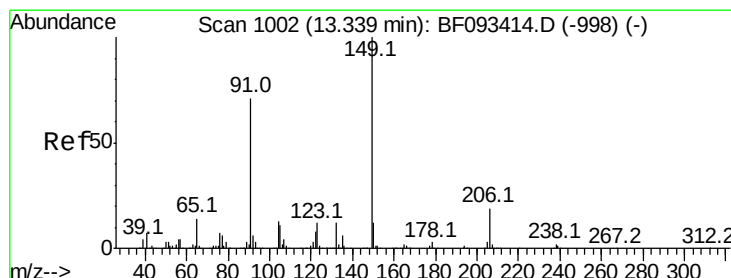
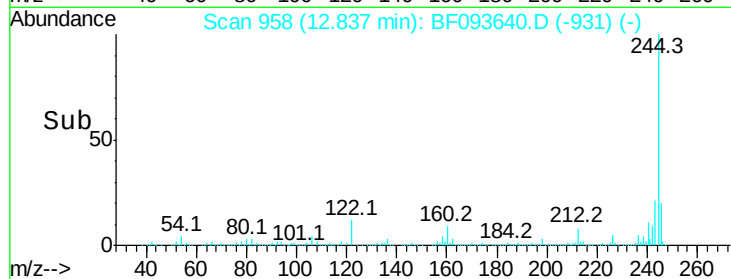
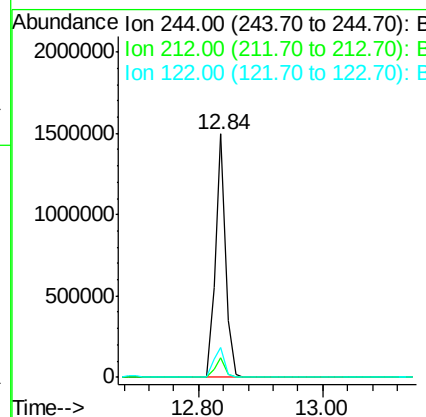
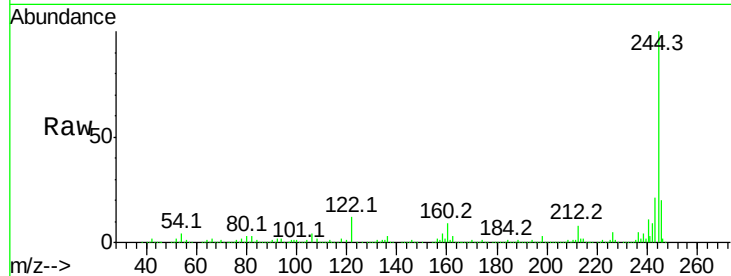
#78
 Terphenyl-d14
 Concen: 84.87 ng
 RT: 12.84 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampleId :
 D-112MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	12.3	11.4	17.2

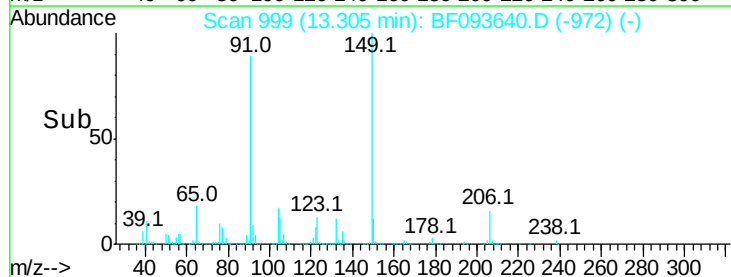
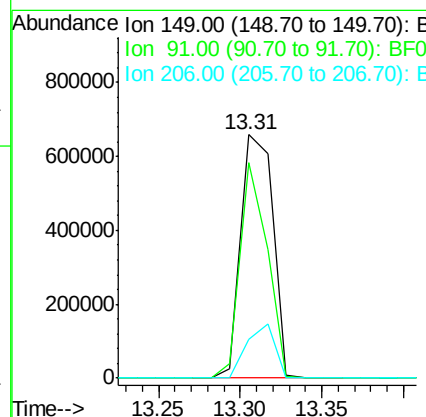
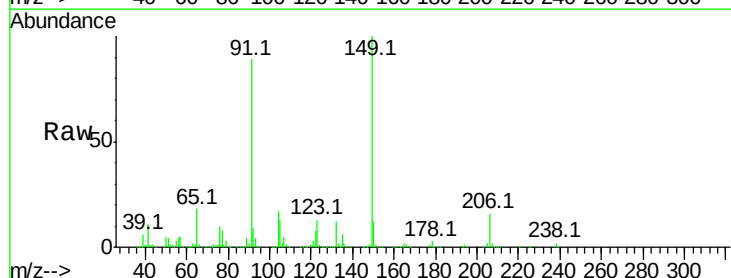
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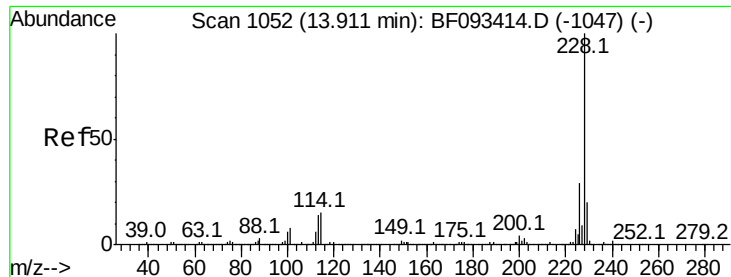
mohammad
 3/15/2017 5:38:34 PM



#79
 Butylbenzylphthalate
 Concen: 56.98 ng
 RT: 13.31 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
149	100		
91	88.6	63.9	95.9
206	16.2	14.6	21.8





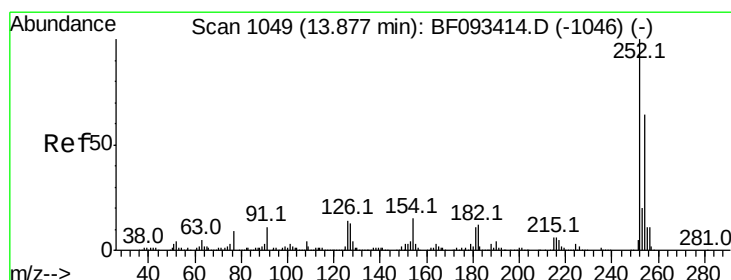
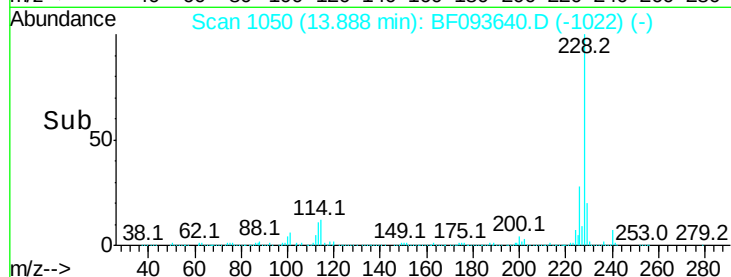
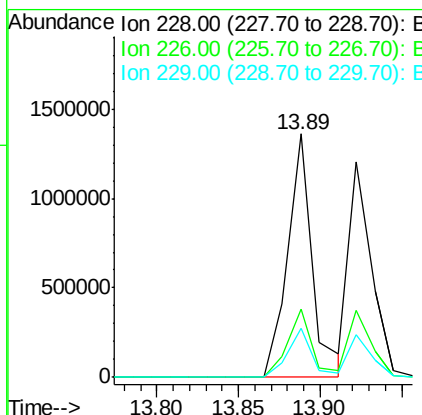
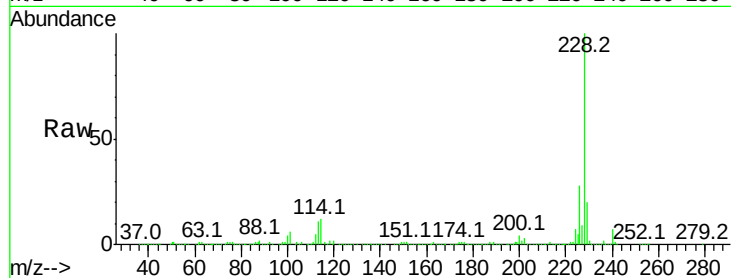
#80
Benzo(a)anthracene
Concen: 47.59 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.4	33.6
229	20.0	16.2	24.4

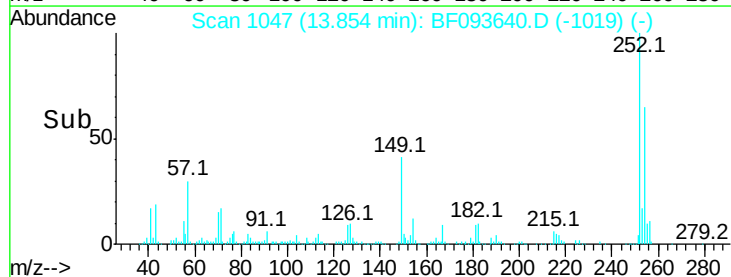
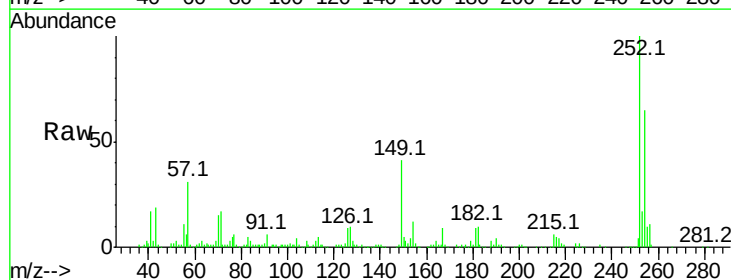
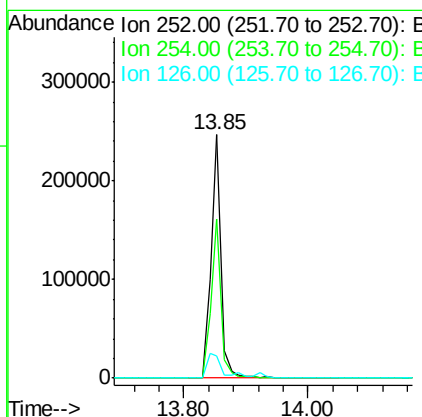
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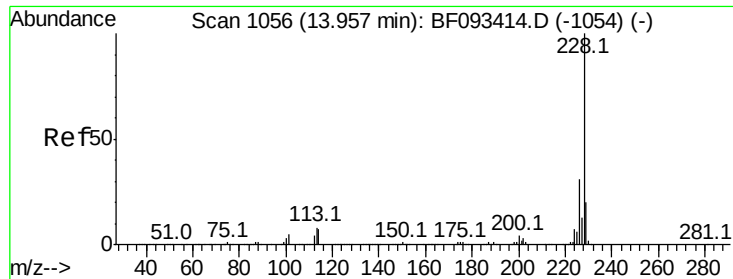
mohammad
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#81
3,3'-Dichlorobenzidine
Concen: 25.63 ng
RT: 13.85 min Scan# 1047
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.3	78.5
126	9.4	13.6	20.4





#82

Chrysene

Concen: 43.16 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Instrument :

BNA_F

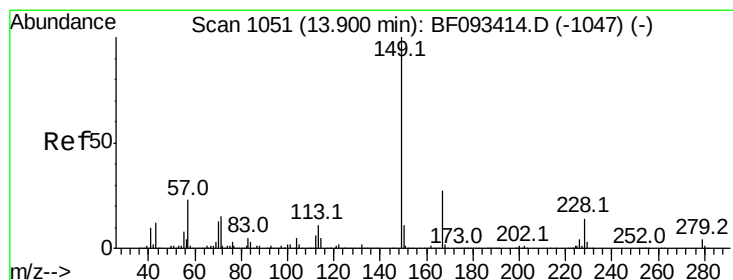
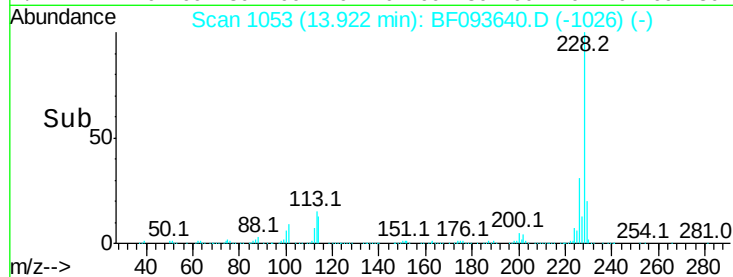
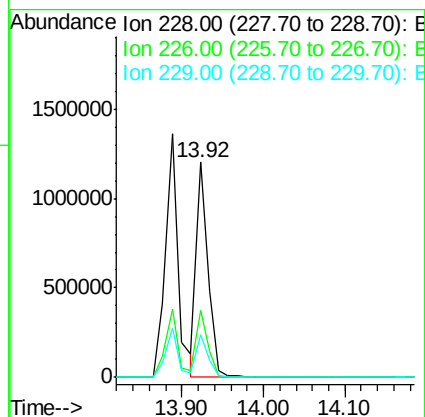
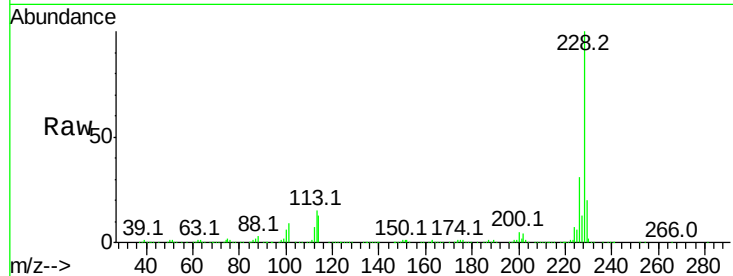
ClientSampleId :

D-112MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	20.1	16.2	24.2

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 52.20 ng

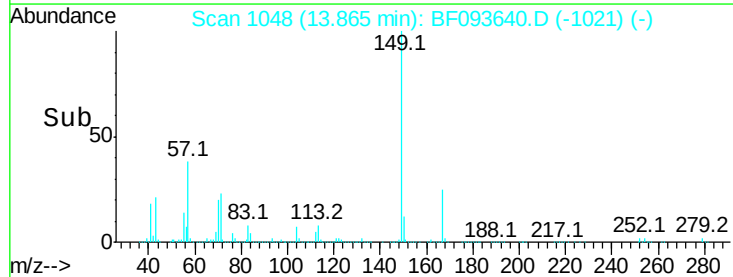
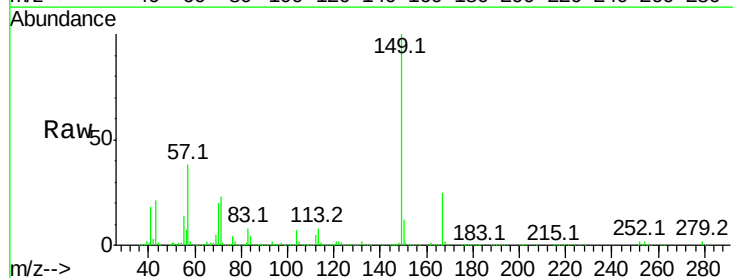
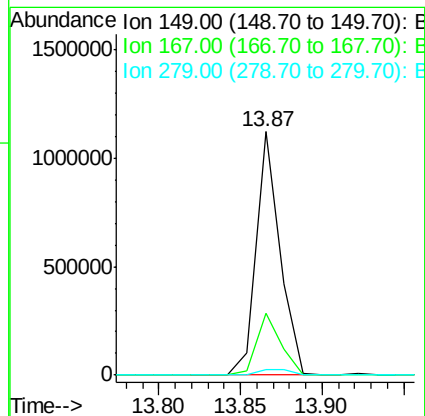
RT: 13.87 min Scan# 1048

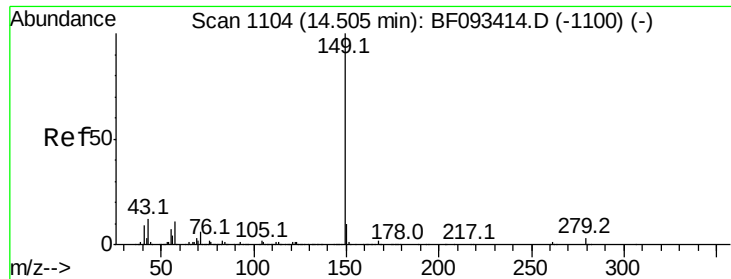
Delta R.T. 0.01 min

Lab File: BF093640.D

Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.2	30.4
279	2.1	1.8	2.8





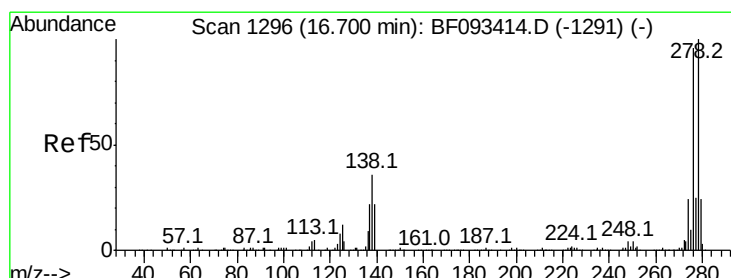
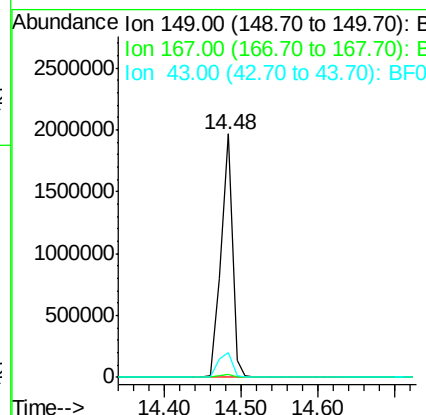
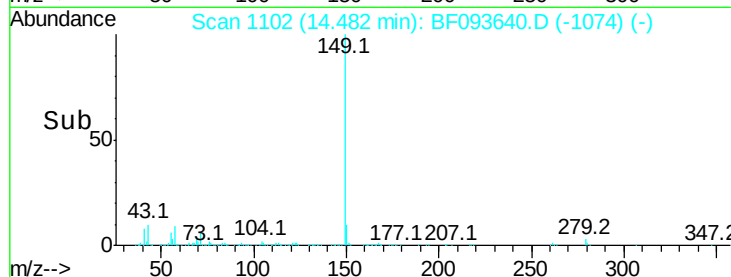
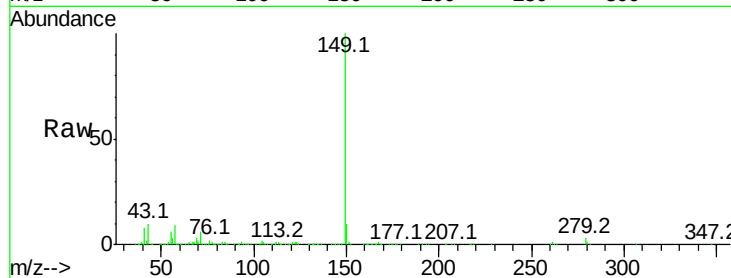
#84
Di-n-octyl phthalate
Concen: 55.35 ng
RT: 14.48 min Scan# 1102
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion:149 Resp: 2017412
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 12.4 8.9 13.3

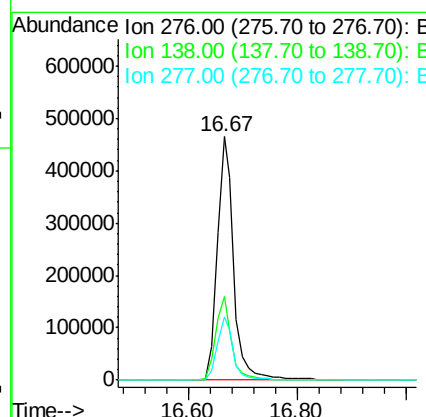
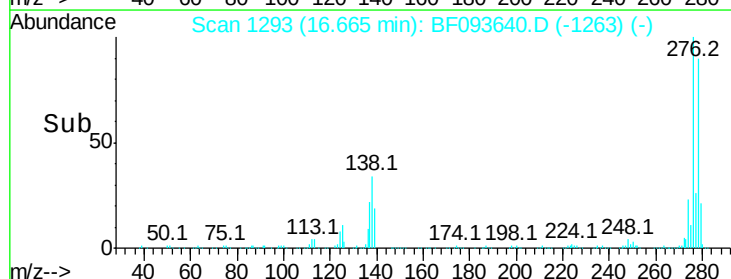
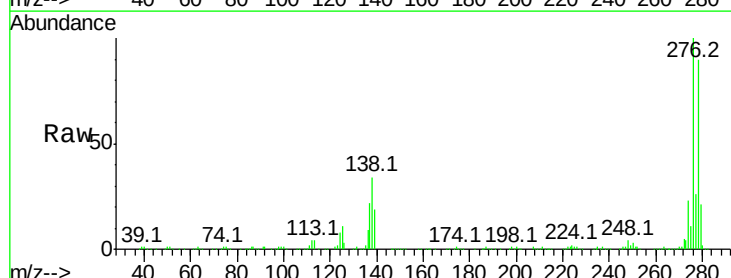
Manual Integrations
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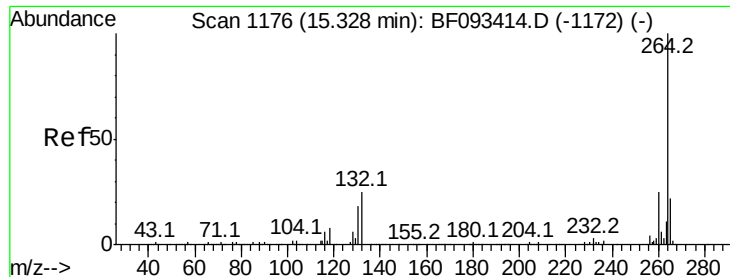
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 42.52 ng
RT: 16.67 min Scan# 1293
Delta R.T. 0.05 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion:276 Resp: 996686
Ion Ratio Lower Upper
276 100
138 33.4 21.8 32.6#
277 25.5 20.2 30.4





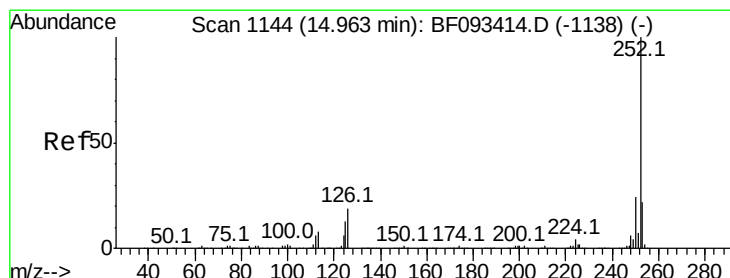
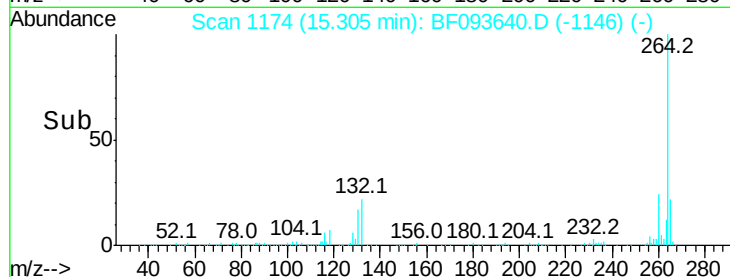
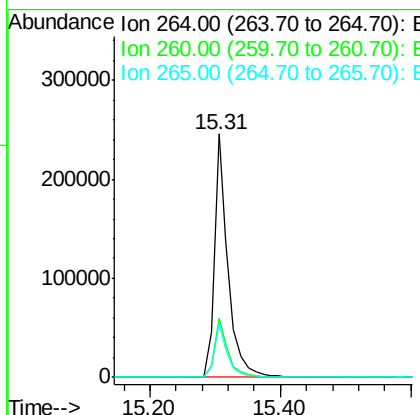
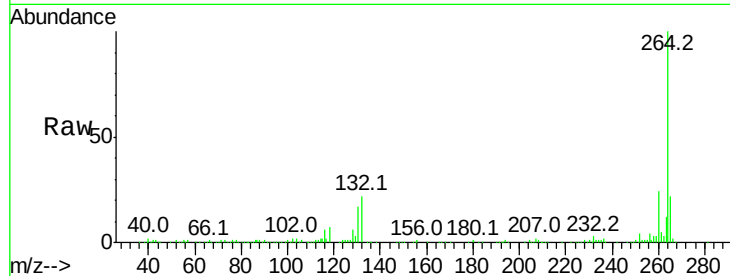
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampleId :
D-112MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.4	26.0

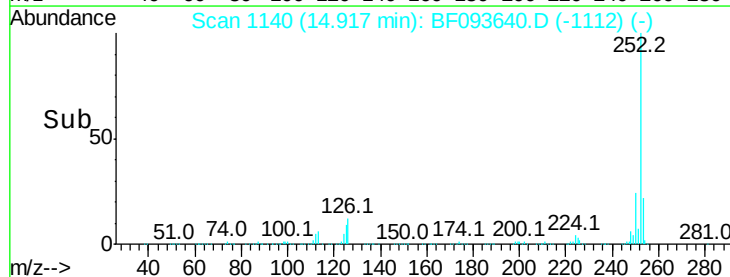
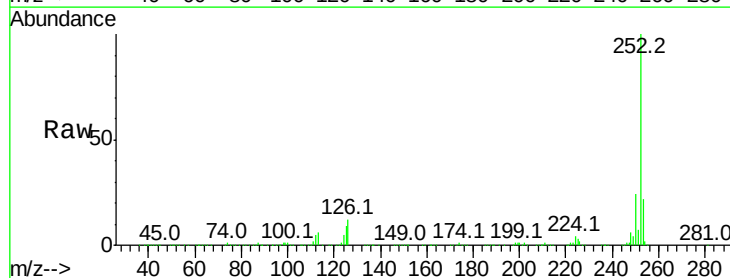
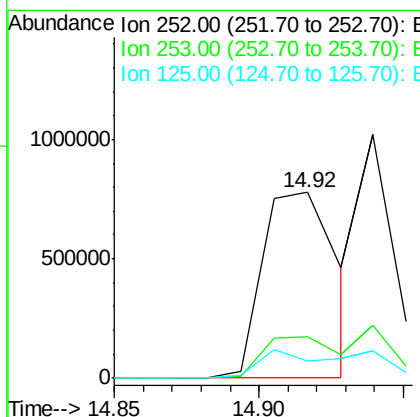
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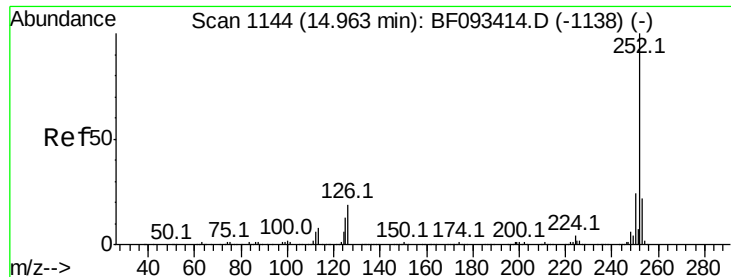
mohammad
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#87
Benzo(b)fluoranthene
Concen: 63.22 ng m
RT: 14.92 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	9.2	9.8	14.6#





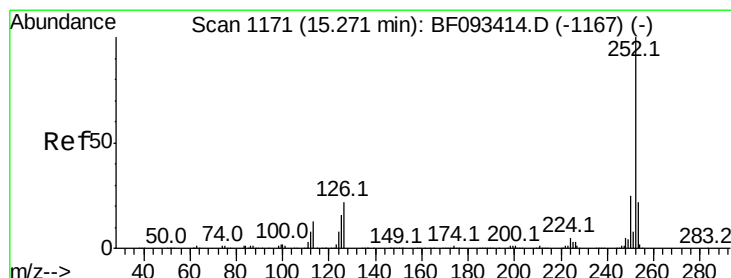
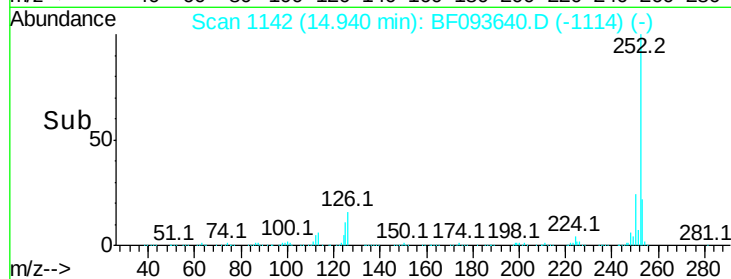
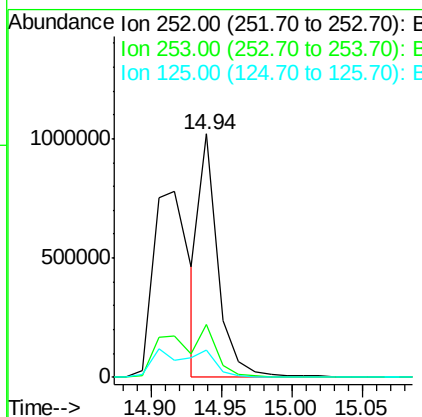
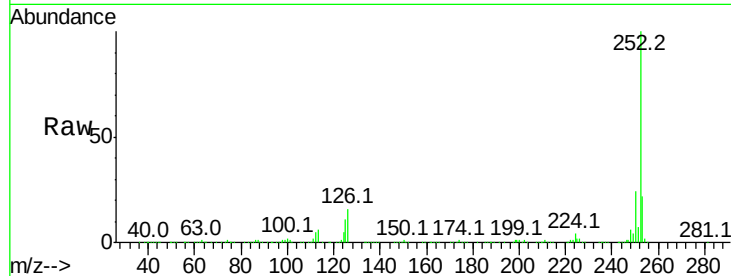
#88
Benzo(k)fluoranthene
Concen: 44.88 ng m
RT: 14.94 min Scan# 1142
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Instrument :
BNA_F
ClientSampled :
D-112MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.5	27.7
125	11.0	8.9	13.3

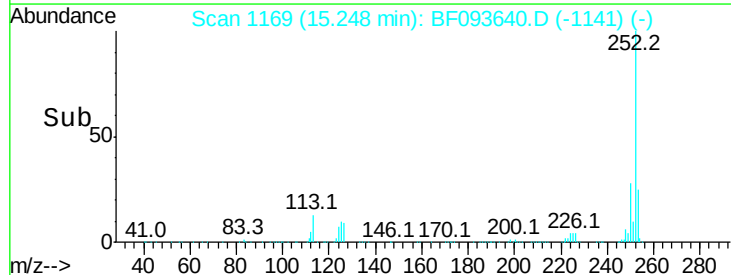
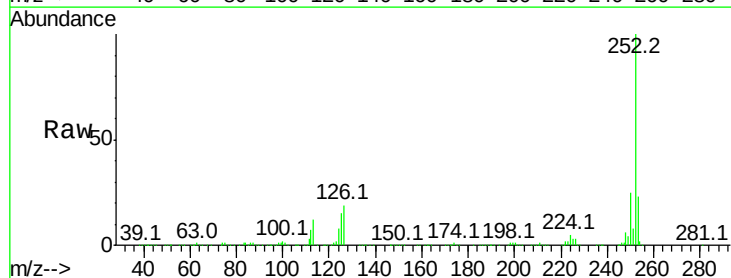
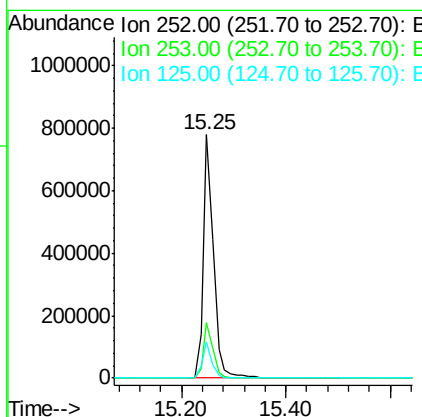
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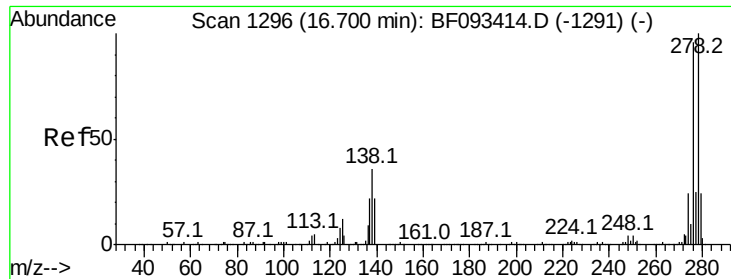
mohammad
3/15/2017 5:38:34 PM



#89
Benzo(a)pyrene
Concen: 52.21 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093640.D
Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	14.6	10.0	15.0





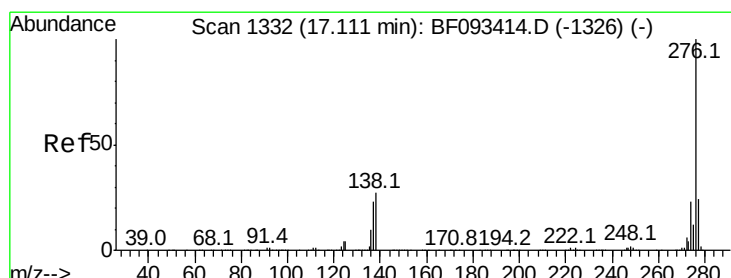
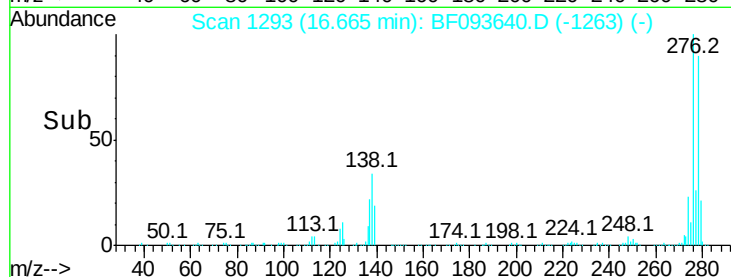
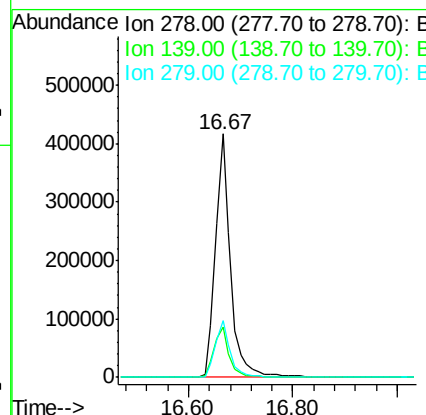
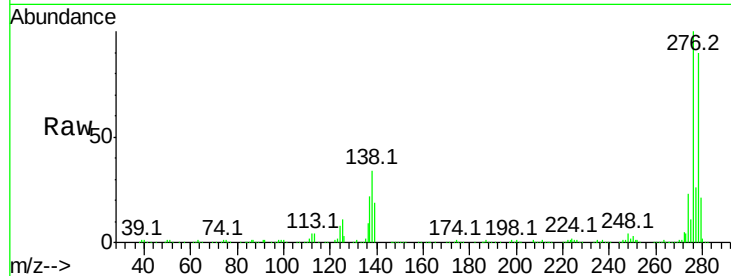
#90
 Dibenzo(a,h)anthracene
 Concen: 50.44 ng
 RT: 16.67 min Scan# 1293
 Delta R.T. 0.05 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Instrument :
 BNA_F
 ClientSampled :
 D-112MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	14.8	22.2
279	23.5	19.8	29.6

Manual Integrations
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 3/15/2017 5:38:34 PM



#91
 Benzo(g,h,i)perylene
 Concen: 51.97 ng
 RT: 17.07 min Scan# 1328
 Delta R.T. 0.05 min
 Lab File: BF093640.D
 Acq: 14 Mar 2017 6:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	29.8	16.0	24.0

