

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
 Data File : BF093032.D
 Acq On : 20 Feb 2017 17:03
 Operator : SJ/MA
 Sample : PB97057BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Manual Integrations
 APPROVED

mohammad
 2/21/2017 3:57:26 PM

Quant Time: Feb 20 17:43:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	150990	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	601920	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	297469	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	559279	20.00	ng	0.00
75) Chrysene-d12	14.01	240	453539	20.00	ng	-0.01
86) Perylene-d12	15.44	264	403510	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1105102	125.57	ng	0.00
7) Phenol-d6	6.49	99	1473742	130.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	956139	88.46	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	325945	151.50	ng	0.01
44) 2-Fluorobiphenyl	9.22	172	1508813	91.89	ng	0.00
78) Terphenyl-d14	12.96	244	1415064	73.31	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	165373	34.78	ng	# 85
3) Pyridine	3.18	79	486526	40.23	ng	86
4) n-Nitrosodimethylamine	3.14	42	246783	43.46	ng	86
6) Aniline	6.51	93	419767	27.18	ng	# 65
8) 2-Chlorophenol	6.64	128	447813	46.12	ng	92
9) Benzaldehyde	6.40	77	90537	11.16	ng	96
10) Phenol	6.50	94	484189	36.55	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	459635	43.46	ng	96
12) 1,3-Dichlorobenzene	6.78	146	469168m	41.26	ng	
13) 1,4-Dichlorobenzene	6.86	146	490737	42.64	ng	96
14) 1,2-Dichlorobenzene	7.02	146	431699m	39.22	ng	
15) Benzyl Alcohol	6.99	79	363776	43.39	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	783342	42.64	ng	95
17) 2-Methylphenol	7.12	107	383600	46.05	ng	96
18) Hexachloroethane	7.36	117	162769	41.43	ng	# 86
19) n-Nitroso-di-n-propylamine	7.26	70	295455	40.99	ng	95
20) 3+4-Methylphenols	7.26	107	441327	44.31	ng	# 74
22) Acetophenone	7.26	105	565950	41.18	ng	# 93
24) Nitrobenzene	7.44	77	451695	40.70	ng	97
25) Isophorone	7.68	82	859643	42.68	ng	96
26) 2-Nitrophenol	7.76	139	249255	47.24	ng	95
27) 2,4-Dimethylphenol	7.80	122	432452	46.67	ng	94
28) bis(2-Chloroethoxy)methane	7.89	93	586160	43.94	ng	100
29) 2,4-Dichlorophenol	8.00	162	367083	42.48	ng	87
30) 1,2,4-Trichlorobenzene	8.08	180	382453	41.07	ng	# 94
31) Naphthalene	8.16	128	1179835	38.67	ng	99
32) Benzoic acid	7.94	122	231898	44.74	ng	91
33) 4-Chloroaniline	8.21	127	247417	20.68	ng	99
34) Hexachlorobutadiene	8.28	225	204982	40.01	ng	98
35) Caprolactam	8.59	113	130403m	47.97	ng	
36) 4-Chloro-3-methylphenol	8.70	107	386919	42.95	ng	100
37) 2-Methylnaphthalene	8.85	142	816208	41.66	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	381181	45.65	ng	100
40) Hexachlorocyclopentadiene	9.00	237	308793	81.96	ng	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	280698	51.16	nq	94
43) 2,4,5-Trichlorophenol	9.18	196	280466	46.65	nq #	87
45) 1,1'-Biphenyl	9.32	154	1035121	48.06	nq	99
46) 2-Chloronaphthalene	9.34	162	818237	48.56	nq	98
47) 2-Nitroaniline	9.45	65	285846	50.46	nq #	80
48) Acenaphthylene	9.76	152	1201372	41.27	nq	99
49) Dimethylphthalate	9.62	163	943457	47.09	nq	98
50) 2,6-Dinitrotoluene	9.69	165	224202	51.81	nq	94
51) Acenaphthene	9.93	154	711575	40.89	nq	96
52) 3-Nitroaniline	9.86	138	142591	28.79	nq #	73
53) 2,4-Dinitrophenol	9.97	184	239004	106.89	nq	94
54) Dibenzofuran	10.10	168	1039974	44.68	nq	97
55) 4-Nitrophenol	10.03	139	316300	88.68	nq	93
56) 2,4-Dinitrotoluene	10.09	165	256962	44.61	nq	91
57) Fluorene	10.44	166	814752	45.50	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.22	232	221401	55.21	nq	97
59) Diethylphthalate	10.32	149	870108	46.08	nq	99
60) 4-Chlorophenyl-phenylether	10.43	204	358164	41.63	nq	96
61) 4-Nitroaniline	10.48	138	250247	49.34	nq	81
62) Azobenzene	10.59	77	987609	50.63	nq	97
64) 4,6-Dinitro-2-methylphenol	10.50	198	159496	46.92	nq #	55
65) n-Nitrosodiphenylamine	10.56	169	760355	42.56	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	231283	39.58	nq	98
67) Hexachlorobenzene	10.99	284	239650	41.50	nq	97
68) Atrazine	11.08	200	221280	38.59	nq	99
69) Pentachlorophenol	11.18	266	253162	84.49	nq	97
70) Phenanthrene	11.40	178	1249629	39.00	nq	98
71) Anthracene	11.46	178	1362047	42.33	nq	98
72) Carbazole	11.61	167	1108944	36.05	nq	99
73) Di-n-butylphthalate	11.94	149	1520628	45.71	nq #	97
74) Fluoranthene	12.59	202	1419906	42.96	nq	93
76) Benzidine	12.70	184	377777	19.55	nq	97
77) Pyrene	12.82	202	1440543	42.44	nq	99
79) Butylbenzylphthalate	13.44	149	683133	49.56	nq #	73
80) Benzo(a)anthracene	14.00	228	1135313	40.93	nq	99
81) 3,3'-Dichlorobenzidine	13.96	252	269317	27.24	nq #	96
82) Chrysene	14.04	228	1161812	44.73	nq	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	855288	45.37	nq	99
84) Di-n-octyl phthalate	14.60	149	1545672	50.36	nq	100
85) Indeno(1,2,3-cd)pyrene	16.84	276	887700	44.13	nq	94
87) Benzo(b)fluoranthene	15.04	252	1253606m	47.20	nq	
88) Benzo(k)fluoranthene	15.06	252	789735m	34.44	nq	
89) Benzo(a)pyrene	15.38	252	974336	42.41	nq	97
90) Dibenzo(a,h)anthracene	16.85	278	743889	40.06	nq #	95
91) Benzo(g,h,i)perylene	17.27	276	732427	39.05	nq #	90

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

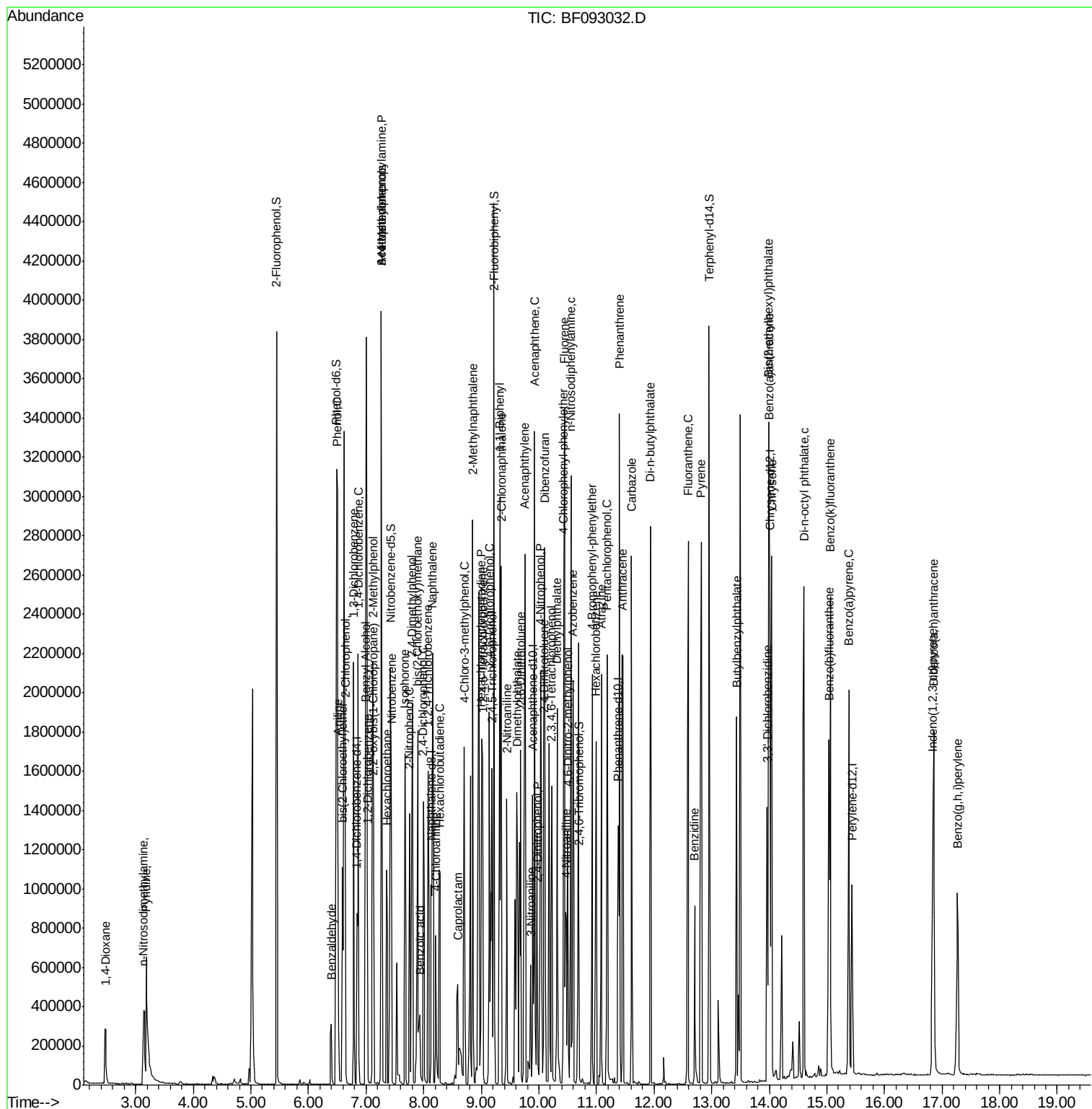
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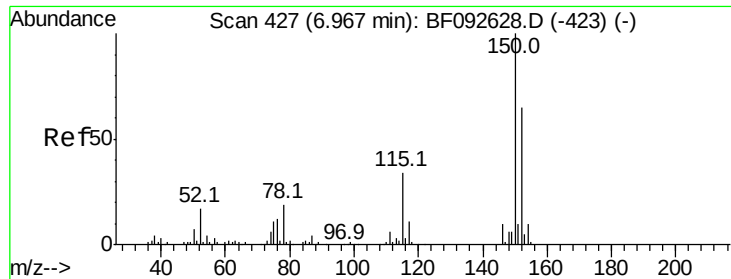
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

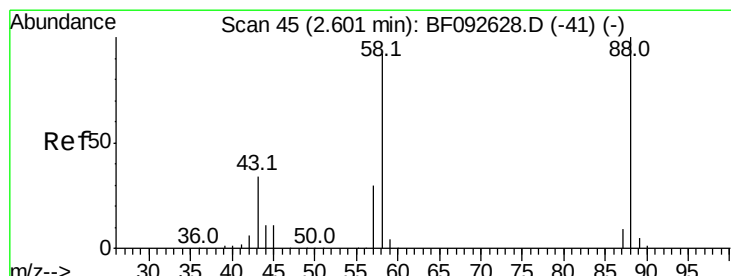
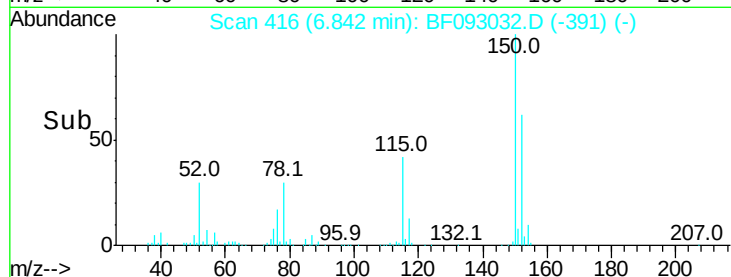
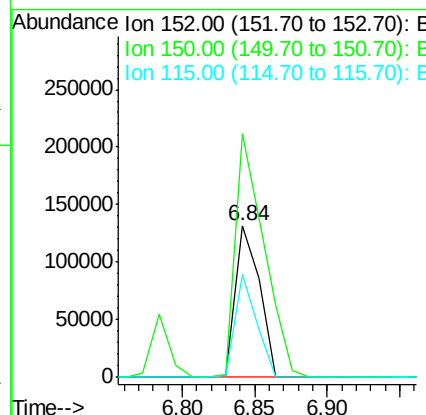
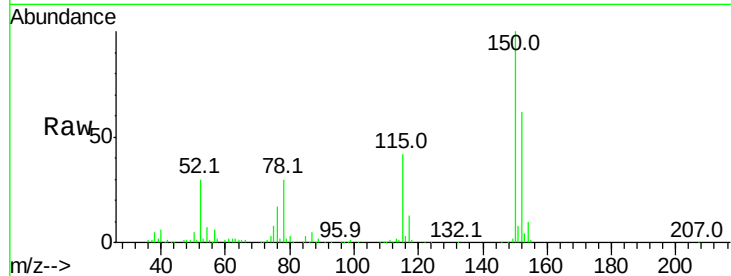
ClientSampleId :

PB97057BS

Tot Ion:	152	Resp:	150990
Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.9	187.3
115	67.5	46.0	69.0

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#2

1,4-Dioxane

Concen: 34.78 ng

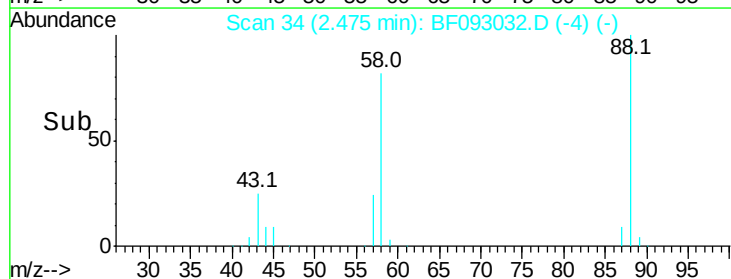
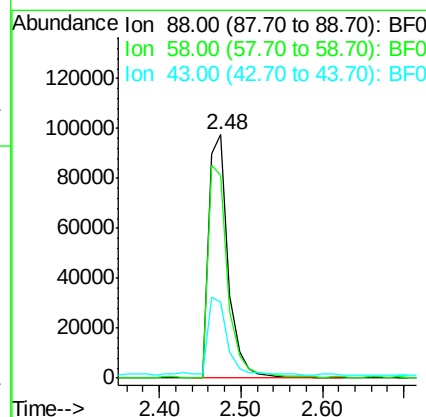
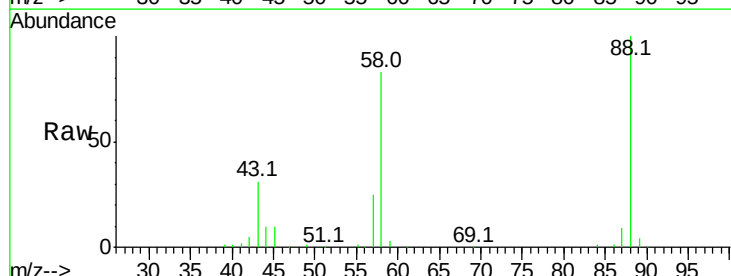
RT: 2.48 min Scan# 34

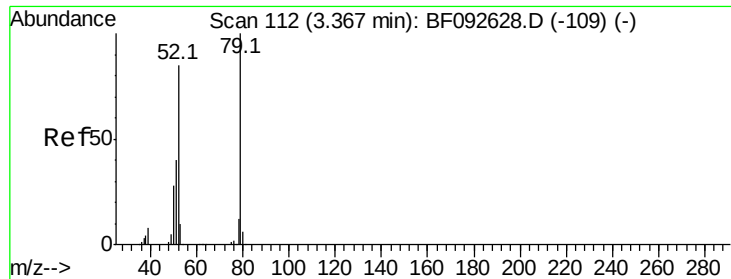
Delta R.T. 0.05 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	88	Resp:	165373
Ion	Ratio	Lower	Upper
88	100		
58	87.0	57.8	86.8#
43	33.0	22.3	33.5





#3

Pvridine

Concen: 40.23 ng

RT: 3.18 min Scan# 96

Delta R.T. 0.03 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

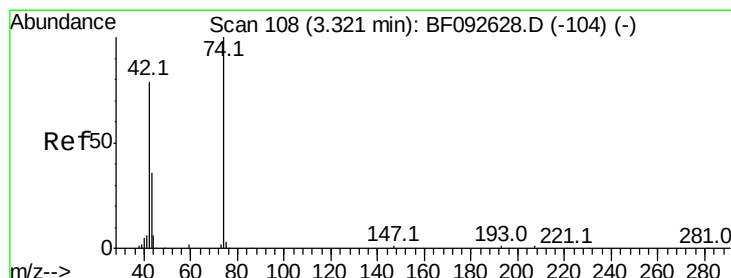
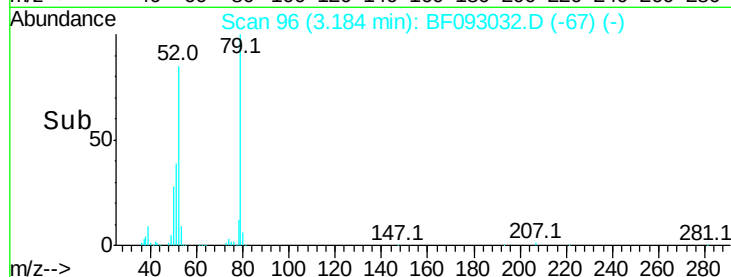
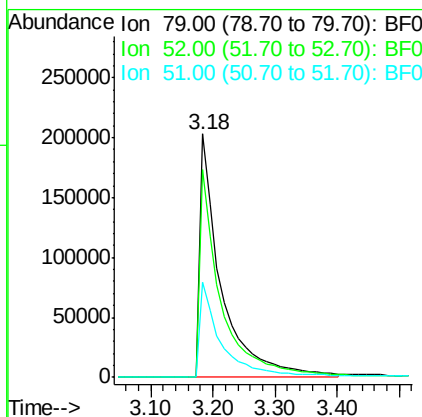
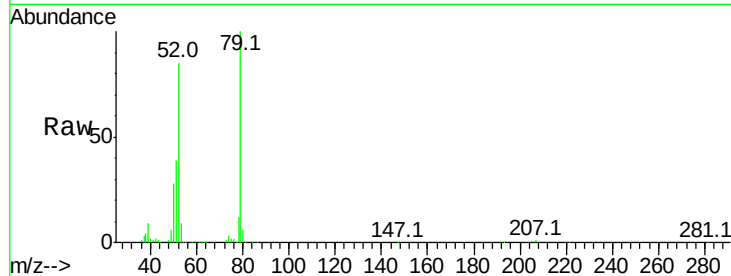
ClientSampled :

PB97057BS

Tot Ion:	79	Resp:	486526
Ion Ratio	Lower	Upper	
79	100		
52	85.3	57.1	85.7
51	39.0	27.3	40.9

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#4

n-Nitrosodimethylamine

Concen: 43.46 ng

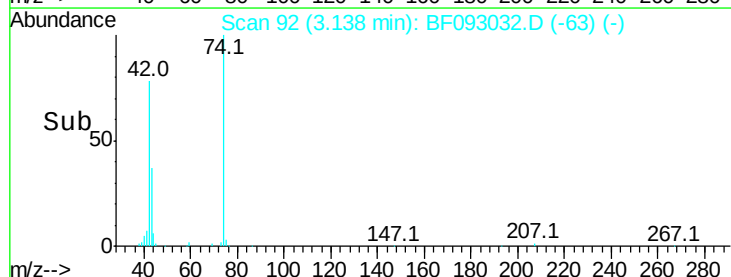
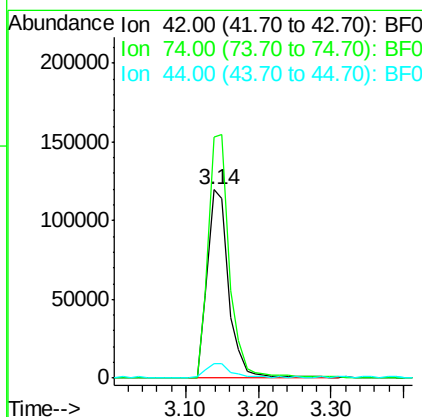
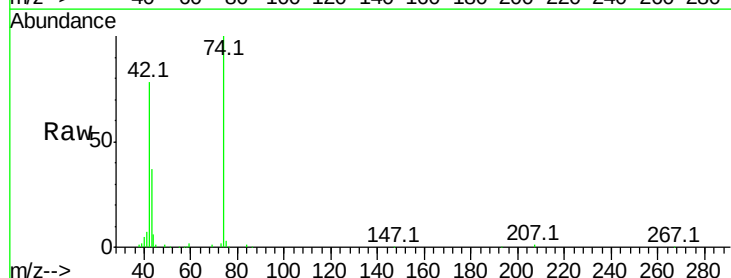
RT: 3.14 min Scan# 92

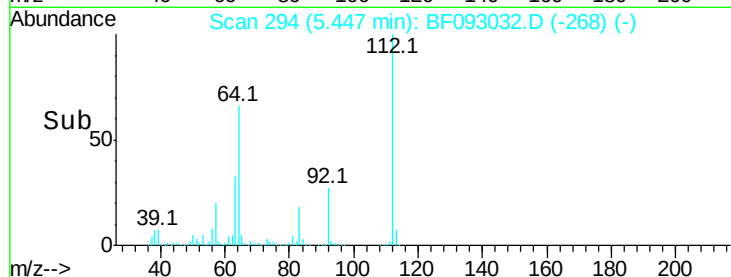
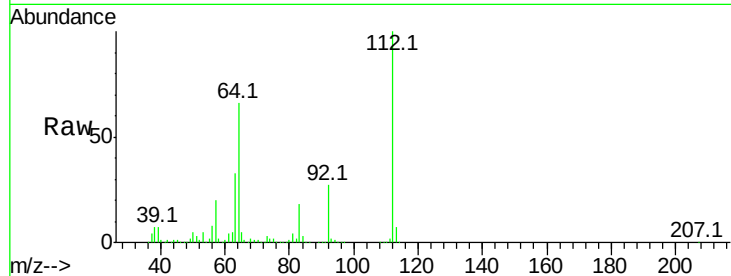
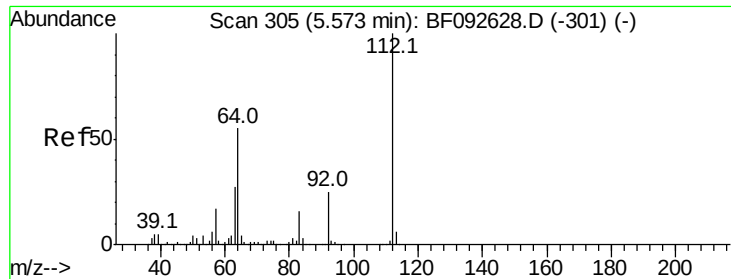
Delta R.T. 0.03 min

Lab File: BF093032.D

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Tgt Ion:	42	Resp:	246783
Ion Ratio	Lower	Upper	
42	100		
74	127.8	117.0	175.4
44	7.8	5.5	8.3





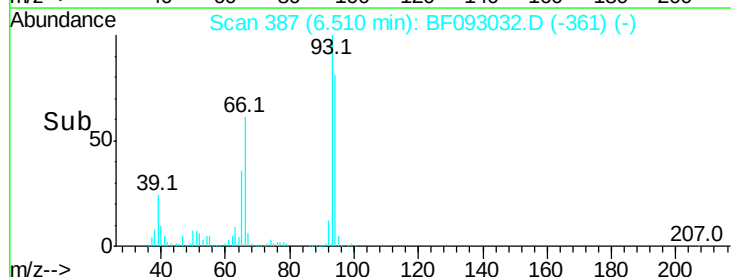
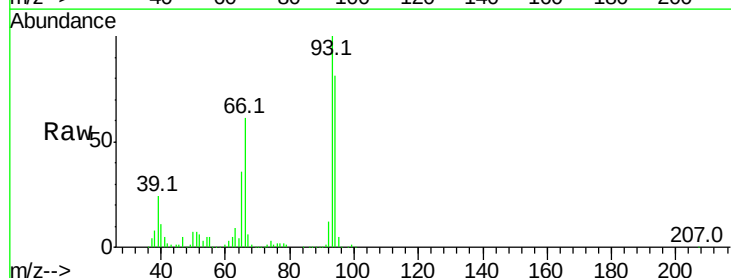
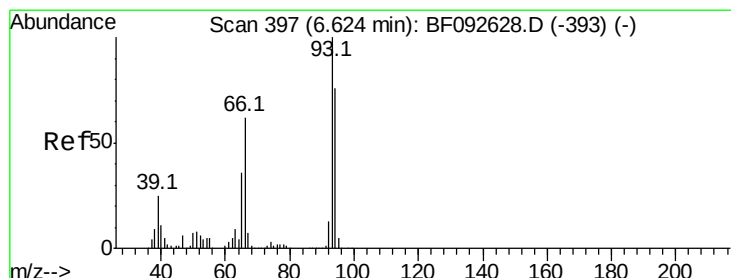
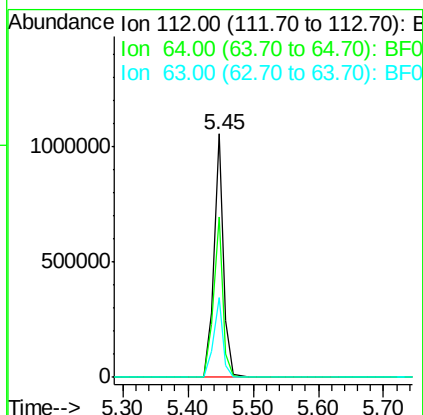
#5
2-Fluorophenol
Concen: 125.57 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	1105102		
64	66.0		46.1	69.1
63	33.0		23.8	35.6

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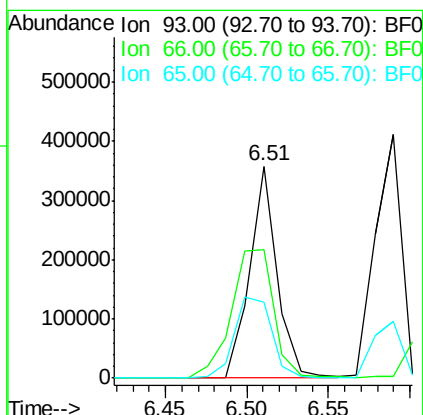
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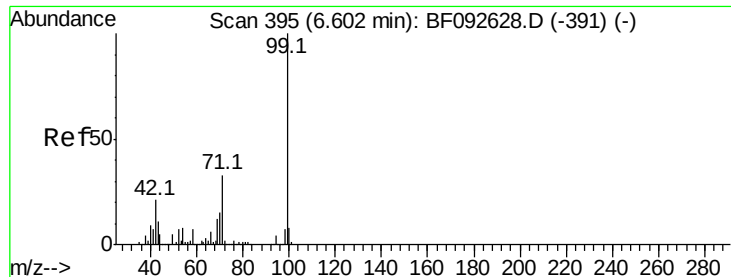
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#6
Aniline
Concen: 27.18 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	419767		
66	60.5		76.2	114.2#
65	35.5		49.3	73.9#





#7

Phenol-d6

Concen: 130.14 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion: 99 Resp: 1473742

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

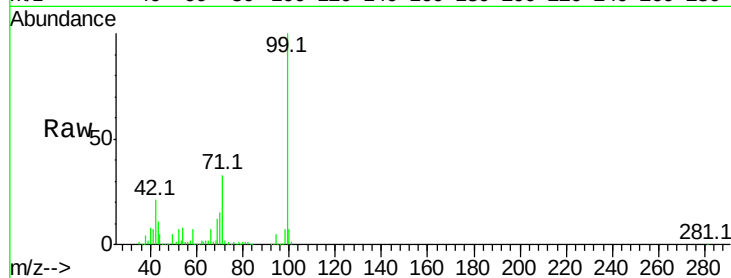
71 32.8 27.5 41.3

Manual Integrations

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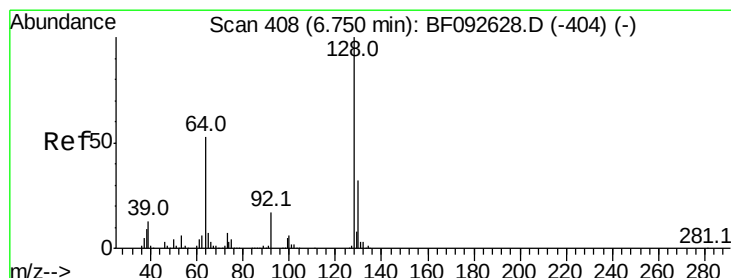
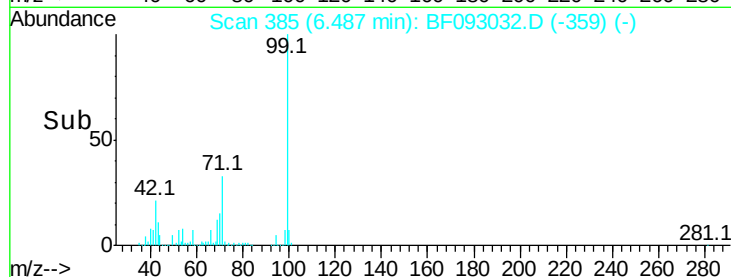
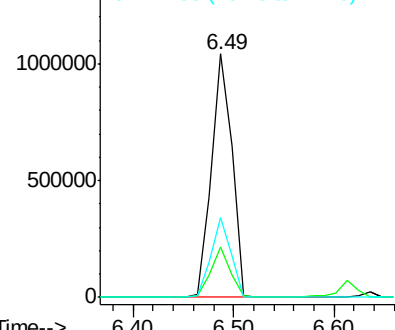
2/21/2017 3:57:26 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 46.12 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

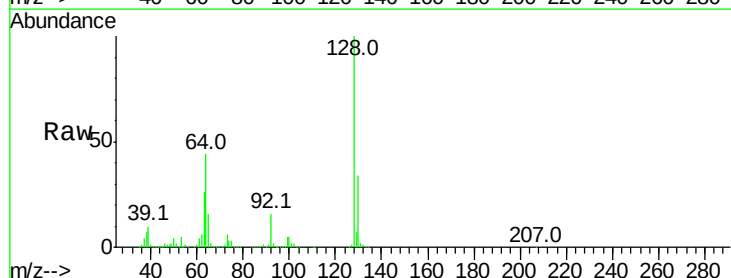
Tgt Ion: 128 Resp: 447813

Ion Ratio Lower Upper

128 100

130 33.8 12.3 52.3

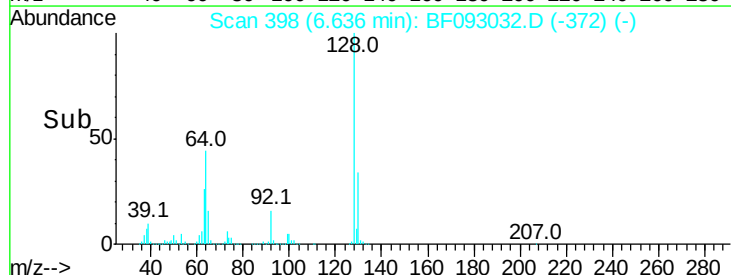
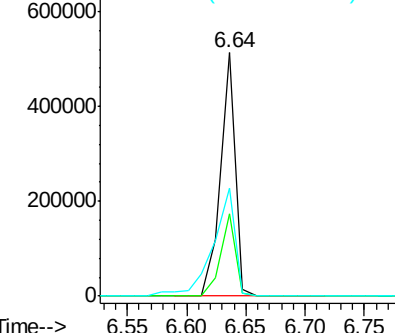
64 44.2 32.2 72.2

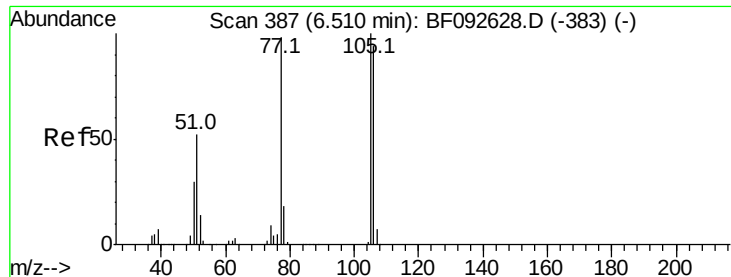


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





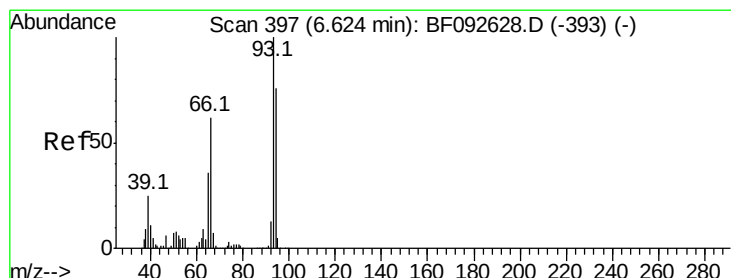
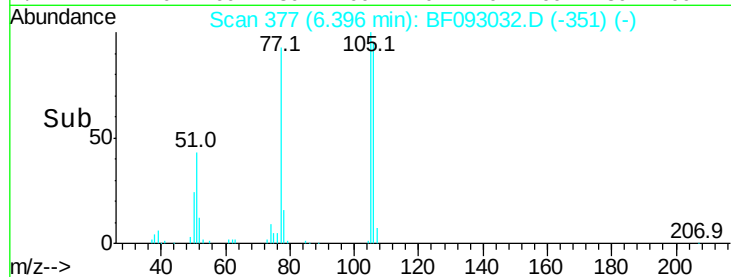
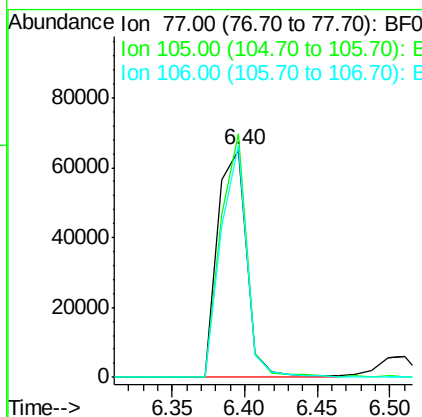
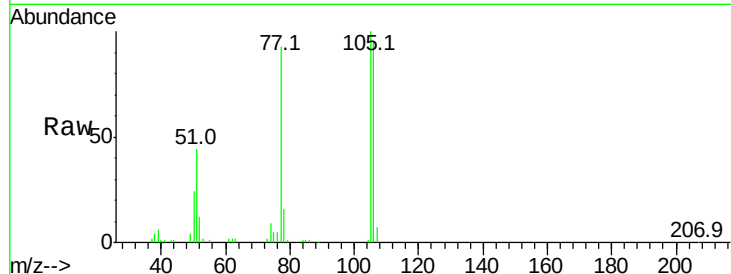
#9
Benzaldehyde
Concen: 11.16 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
77	100		
105	107.2	83.9	123.9
106	102.0	77.6	117.6

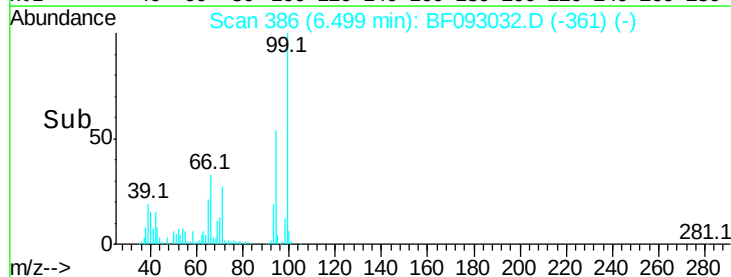
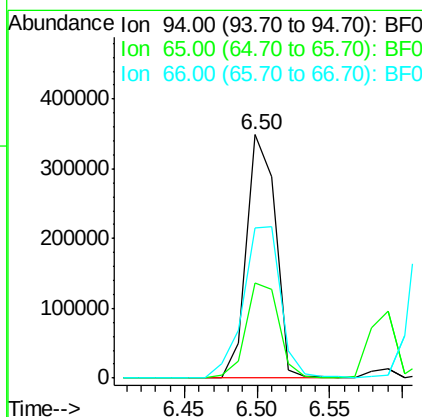
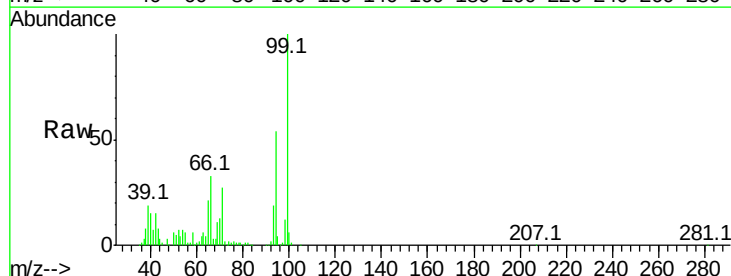
Manual Integrations
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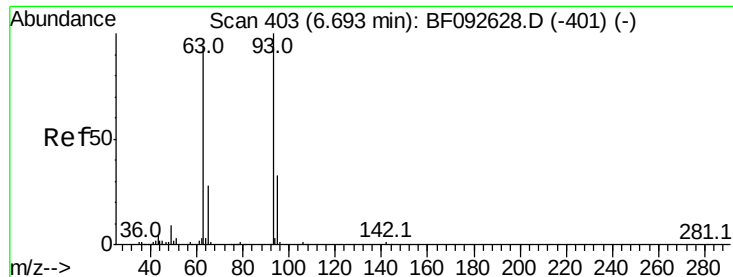
mohammad
2/21/2017 3:57:26 PM



#10
Phenol
Concen: 36.55 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
94	100		
65	39.2	21.4	61.4
66	61.7	44.0	84.0





#11

bis(2-Chloroethyl)ether

Concen: 43.46 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

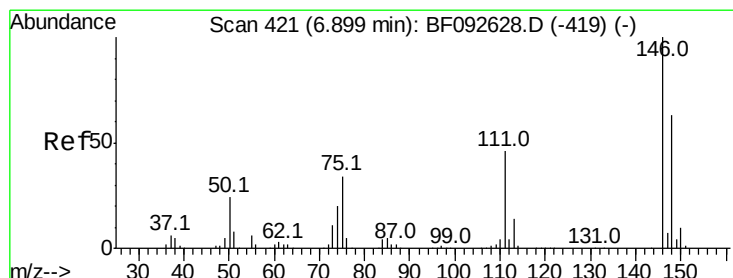
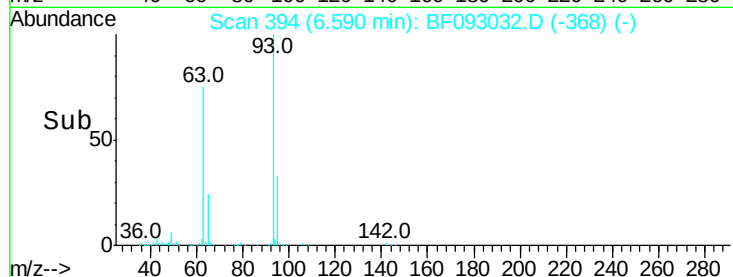
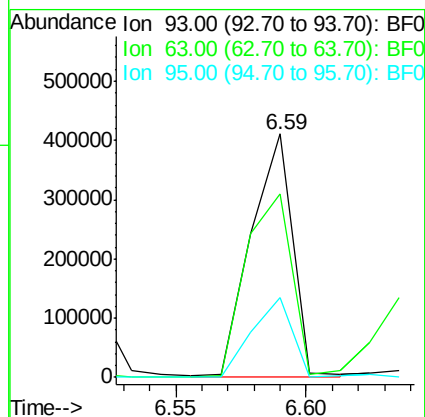
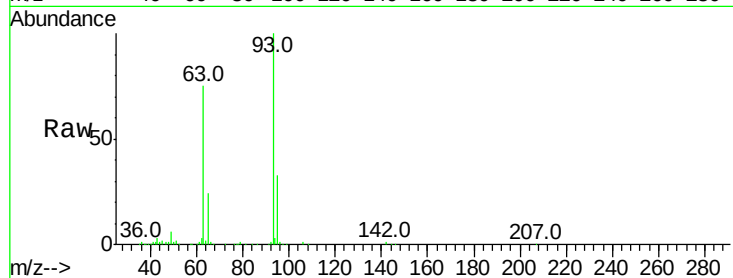
ClientSampleId :

PB97057BS

Tot Ion:	93	Resp:	459635
Ion	Ratio	Lower	Upper
93	100		
63	75.2	60.4	100.4
95	32.9	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 41.26 ng m

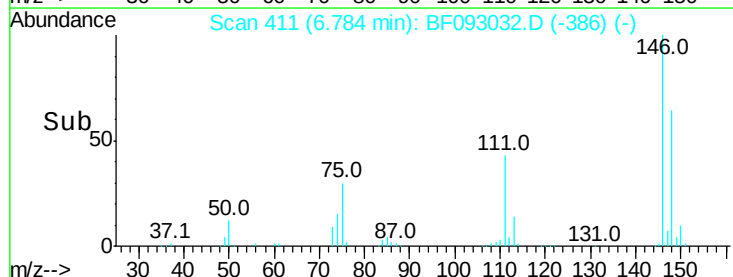
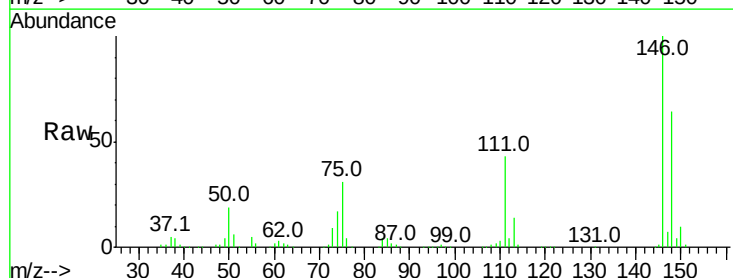
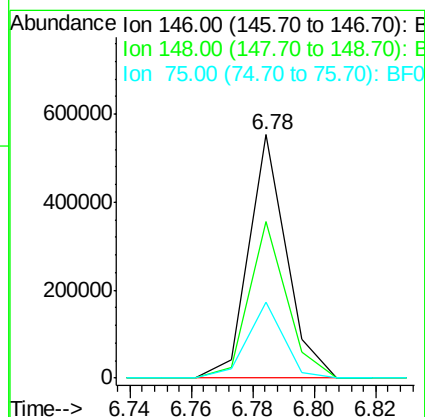
RT: 6.78 min Scan# 411

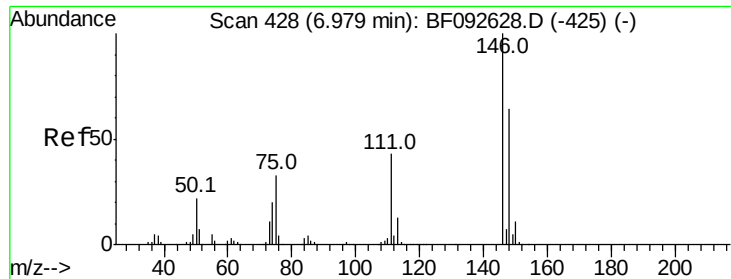
Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	146	Resp:	469168
Ion	Ratio	Lower	Upper
146	100		
148	64.4	53.4	80.0
75	30.9	18.5	27.7#





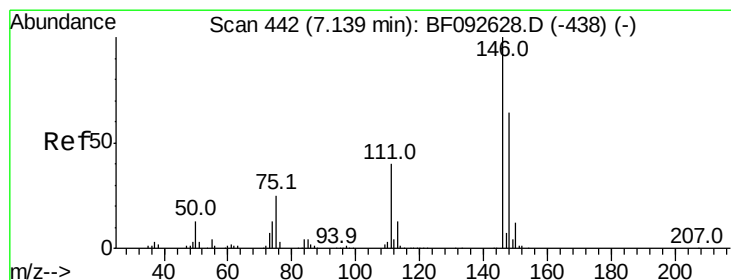
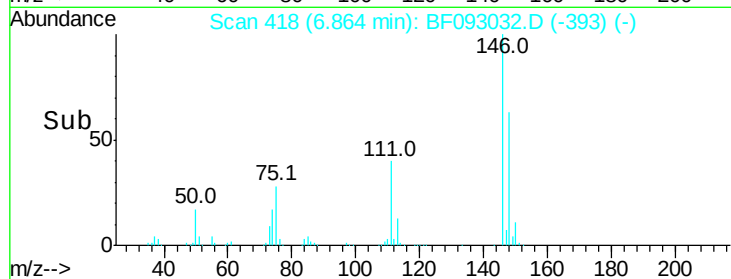
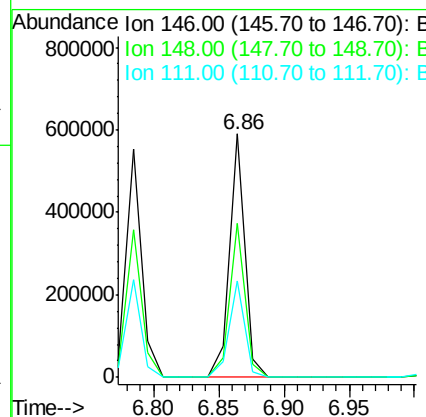
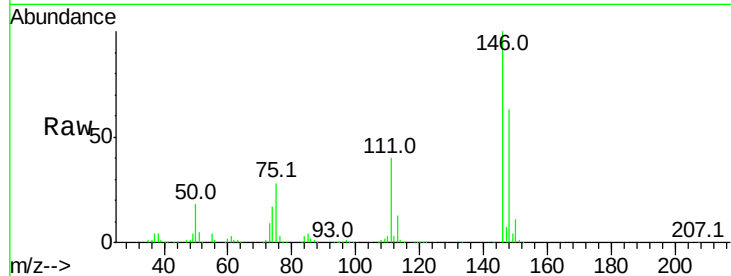
#13
1,4-Dichlorobenzene
Concen: 42.64 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	490737		
148	63.2		50.6	76.0
111	39.6		36.2	54.4

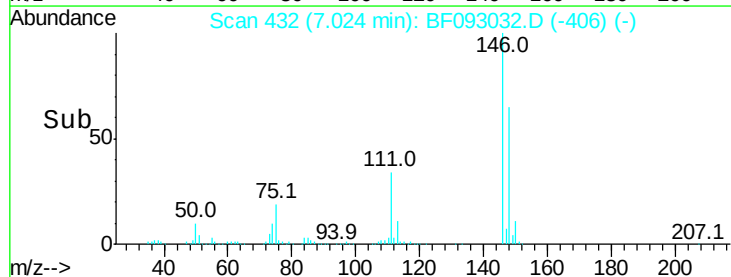
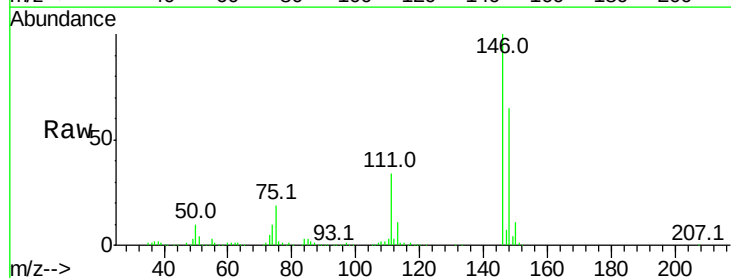
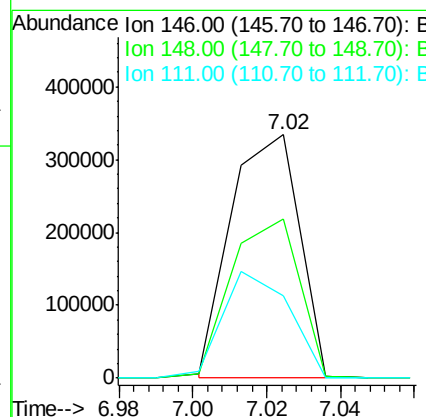
Manual Integrations
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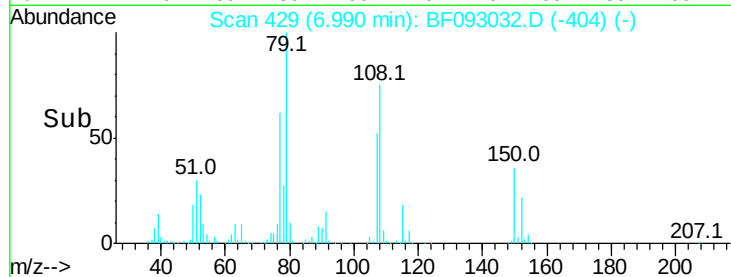
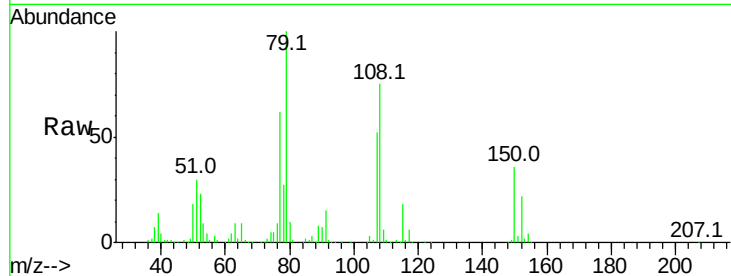
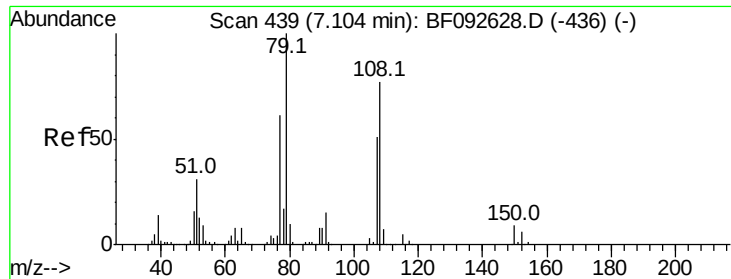
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#14
1,2-Dichlorobenzene
Concen: 39.22 ng m
RT: 7.02 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	431699		
148	65.5		52.2	78.2
111	33.7		36.2	54.2#





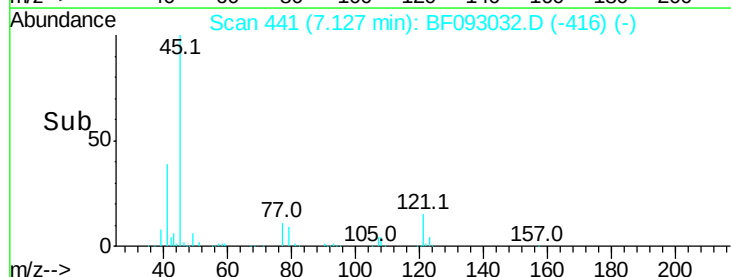
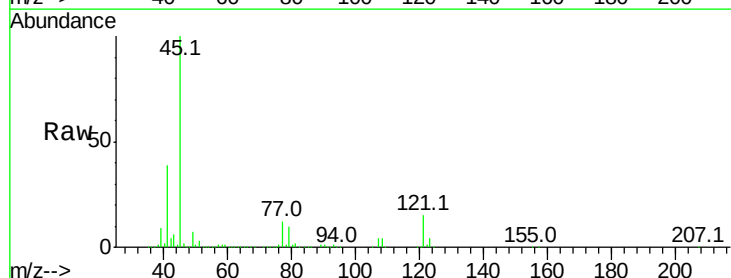
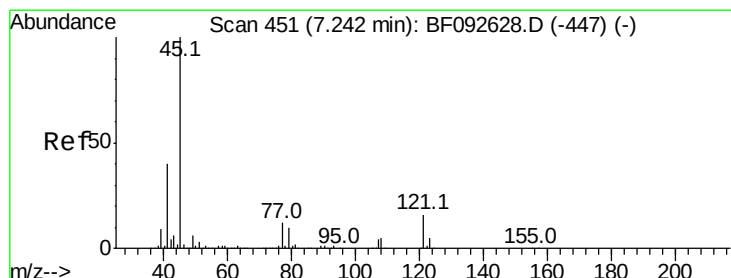
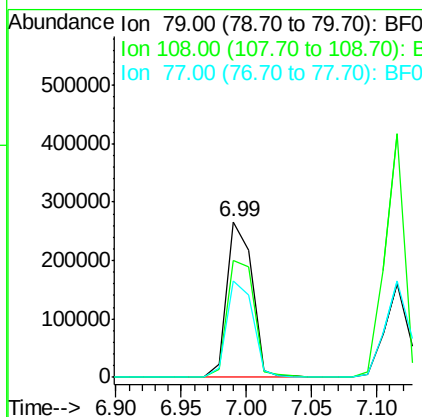
#15
Benzyl Alcohol
Concen: 43.39 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tot Ion: 79 Resp: 363776
Ion Ratio Lower Upper
79 100
108 75.2 61.4 92.0
77 61.9 50.9 76.3

Instrument :
BNA_F
ClientSampled :
PB97057BS

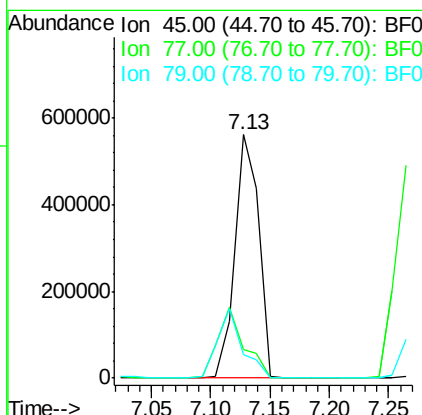
Manual Integrations
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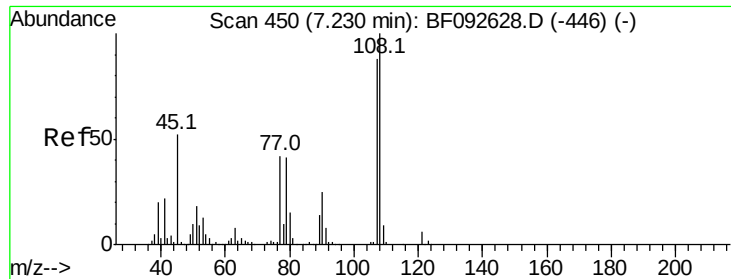
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.64 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion: 45 Resp: 783342
Ion Ratio Lower Upper
45 100
77 11.9 0.0 34.6
79 9.7 0.0 31.2





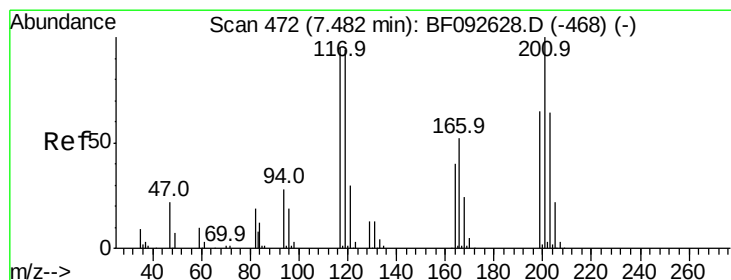
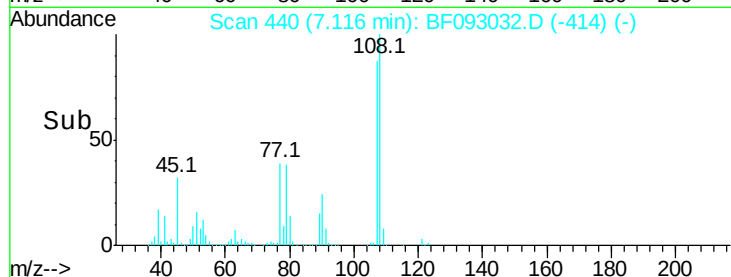
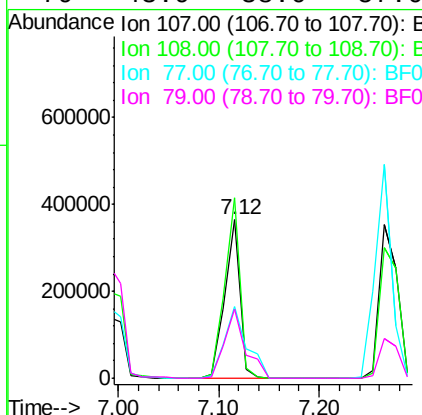
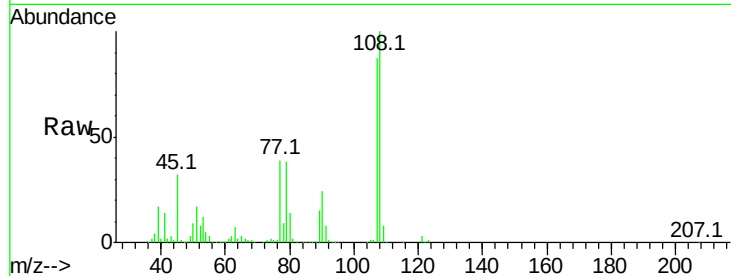
#17
2-Methylphenol
Concen: 46.05 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	107	Resp	383600
Ion Ratio	Lower	Upper	
107	100		
108	114.3	93.0	139.6
77	45.1	39.8	59.8
79	43.9	38.0	57.0

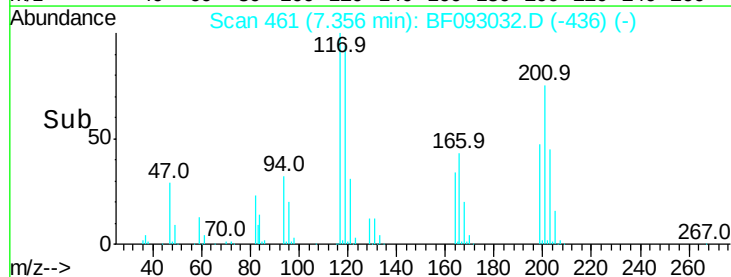
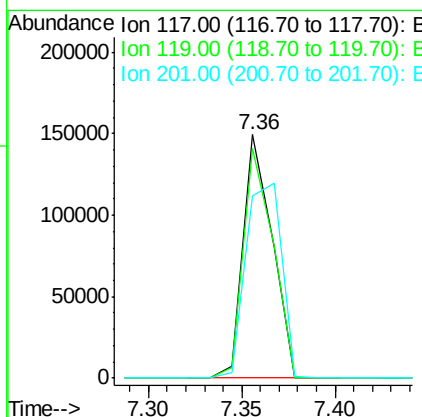
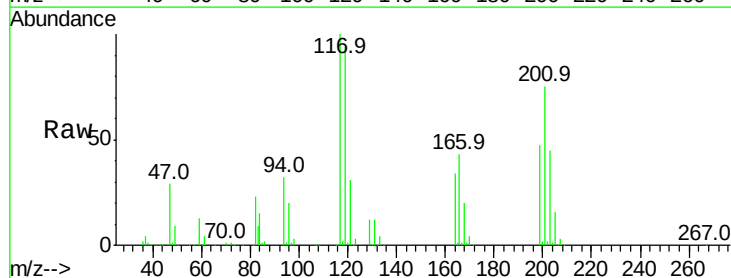
Manual Integrations
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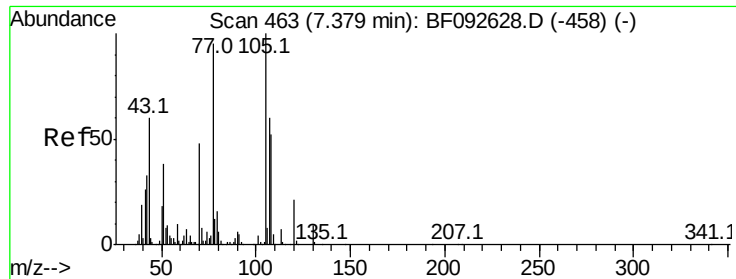
mohammad
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#18
Hexachloroethane
Concen: 41.43 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	117	Resp	162769
Ion Ratio	Lower	Upper	
117	100		
119	94.3	78.1	117.1
201	74.7	78.6	117.8#





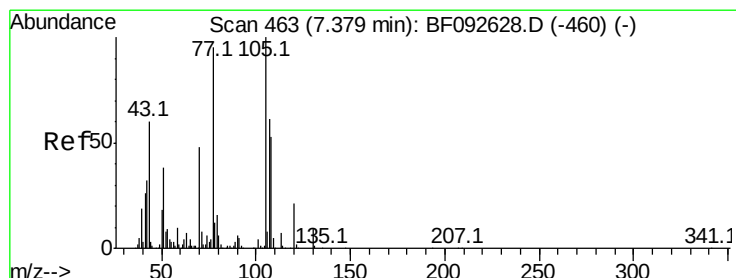
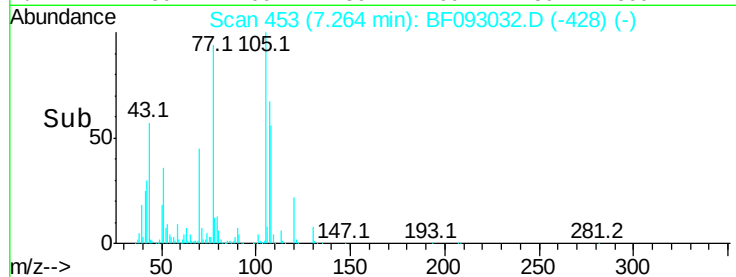
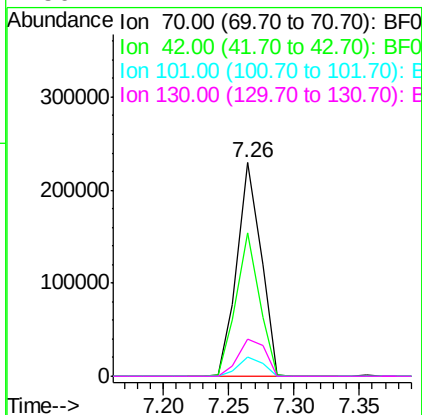
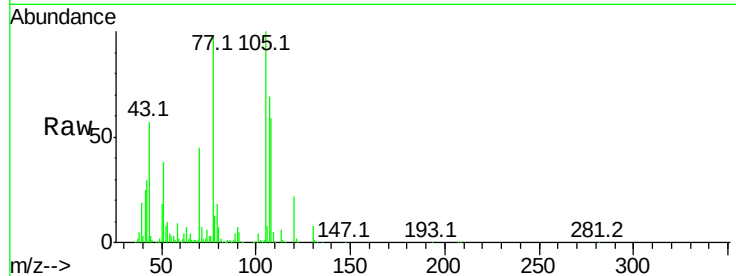
#19
n-Nitroso-di-n-propylamine
Concen: 40.99 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.4	49.4	74.0
101	9.2	7.4	11.2
130	17.2	14.2	21.4

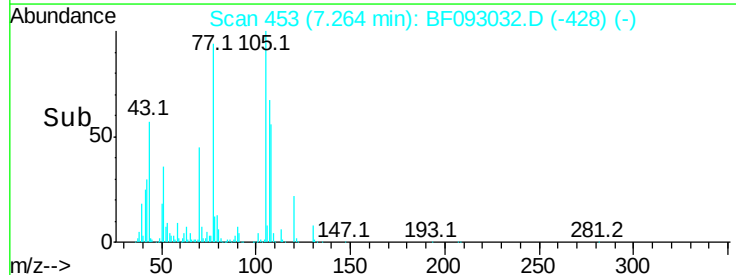
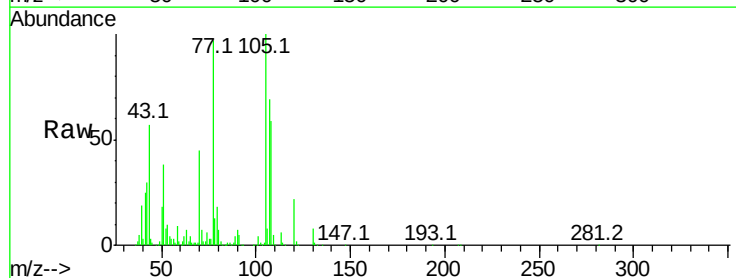
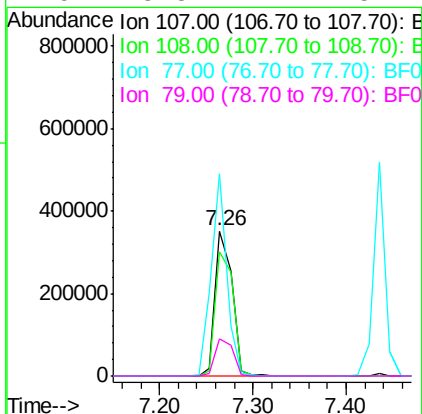
Manual Integrations
APPROVED

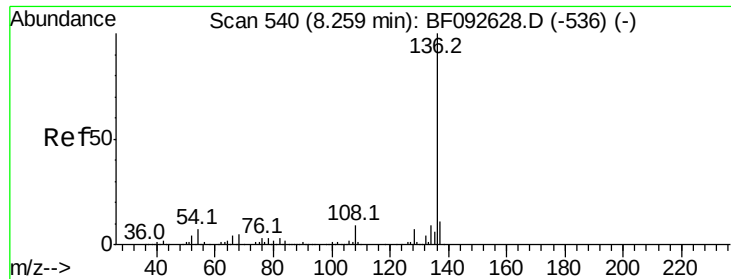
mohammad
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#20
3+4-Methylphenols
Concen: 44.31 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.1	73.0	113.0
77	139.5	71.3	111.3#
79	25.8	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

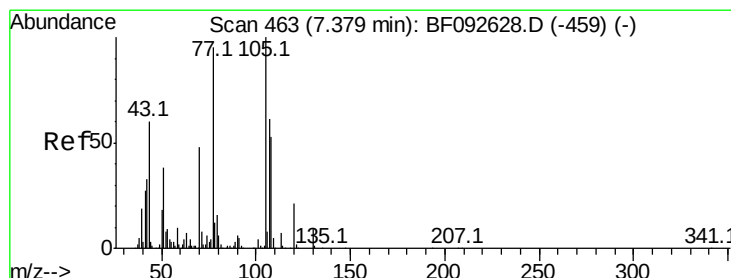
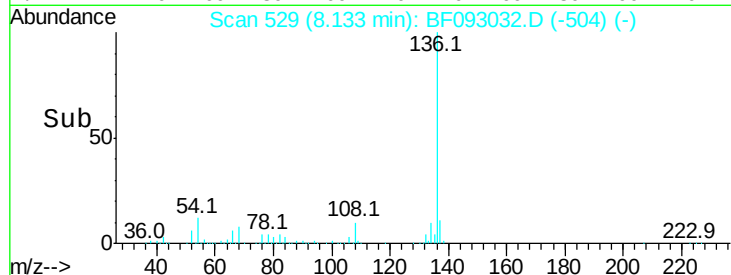
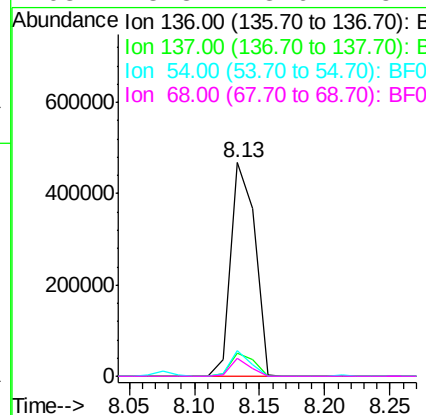
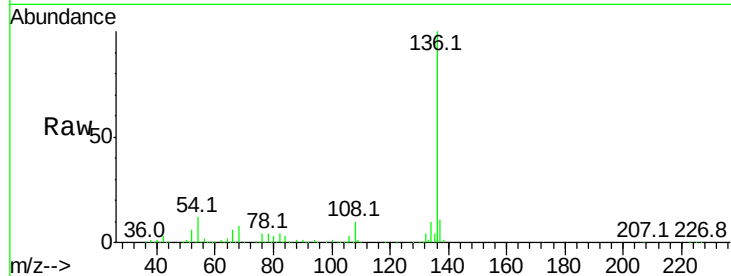
ClientSampleId :

PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	601920		
137	10.9		8.4	12.6
54	12.2		4.5	6.7#
68	8.3		3.6	5.4#

Manual Integrations
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#22

Acetophenone

Concen: 41.18 ng

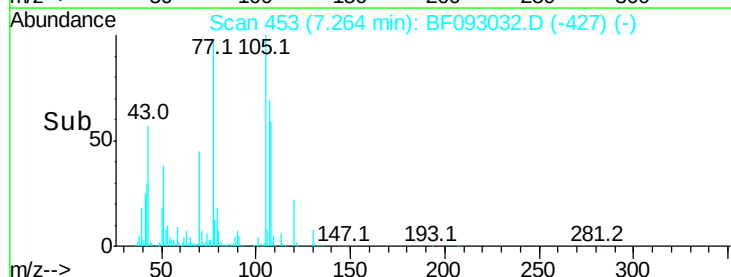
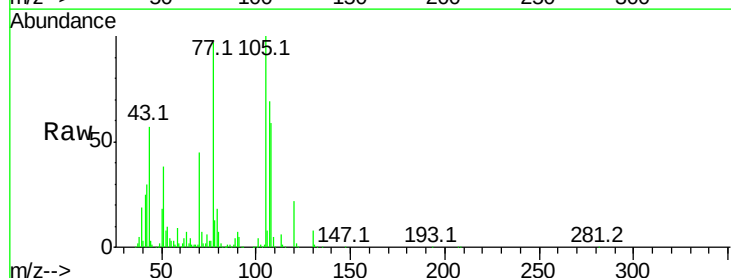
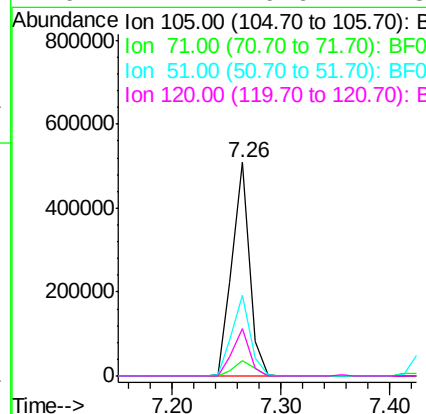
RT: 7.26 min Scan# 453

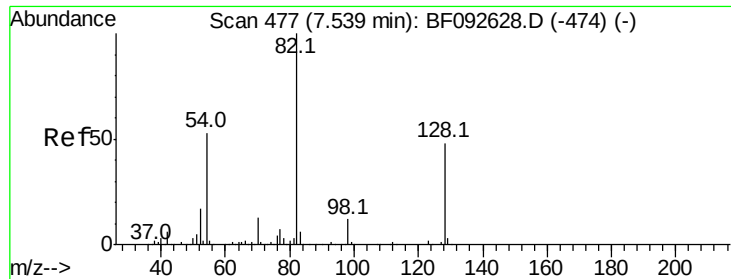
Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565950		
71	7.4		3.2	4.8#
51	37.7		26.2	39.4
120	22.2		16.6	24.8





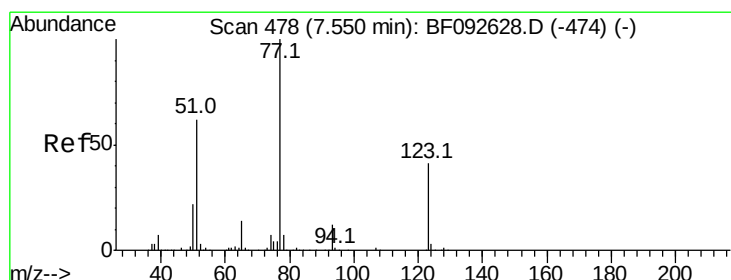
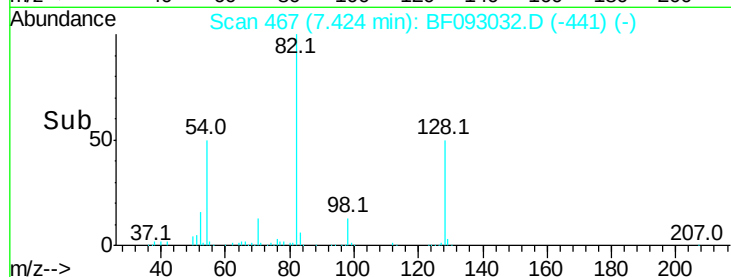
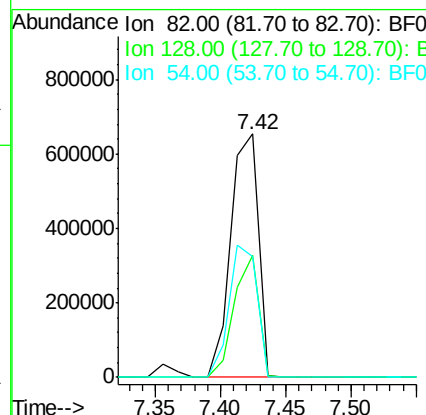
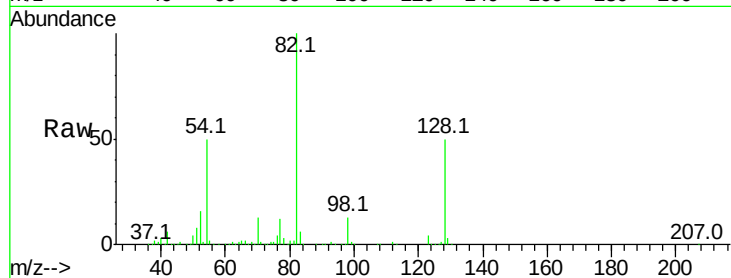
#23
Nitrobenzene-d5
Concen: 88.46 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.2	34.6	52.0	
54	49.8	39.5	59.3	

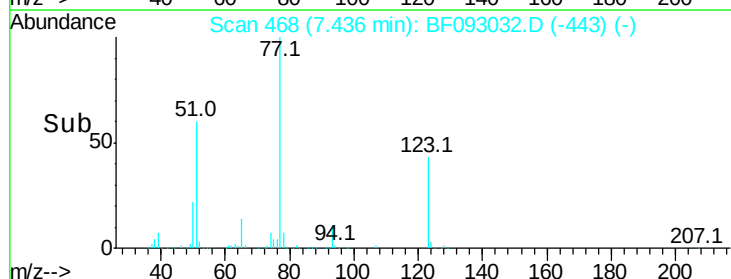
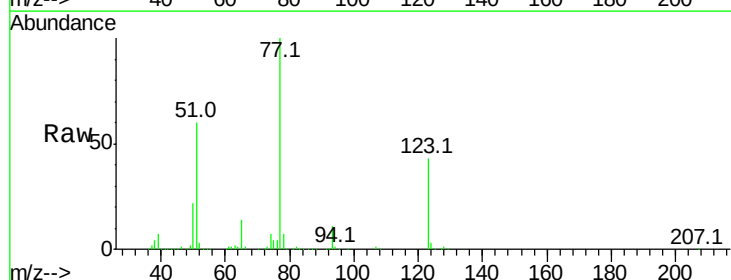
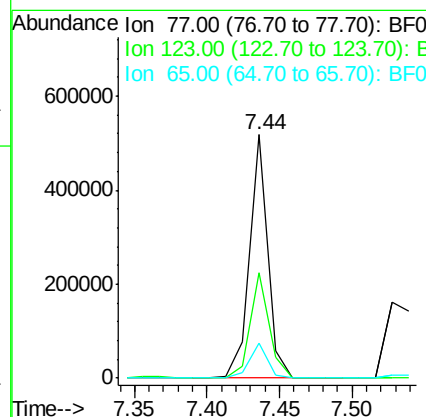
Manual Integrations
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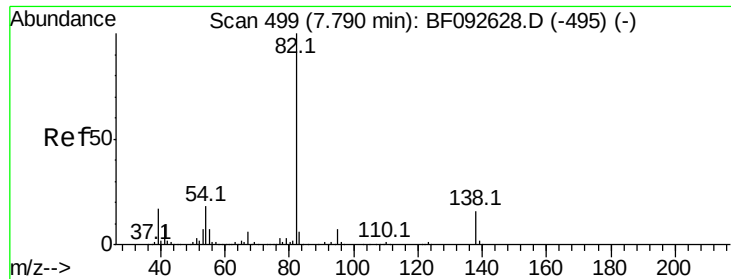
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#24
Nitrobenzene
Concen: 40.70 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	43.4	33.0	49.4	
65	14.4	11.2	16.8	





#25

Isophorone

Concen: 42.68 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

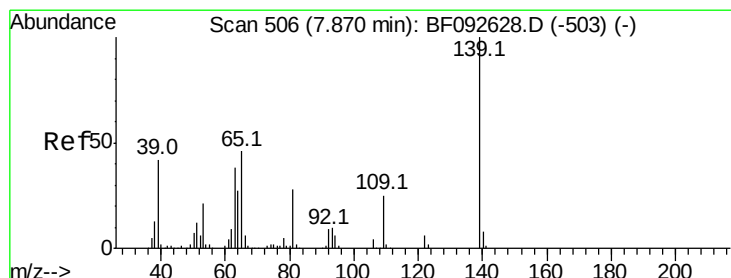
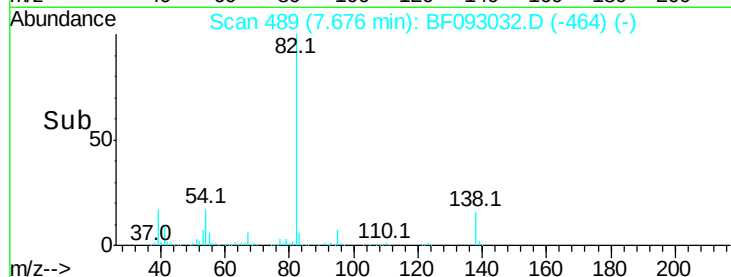
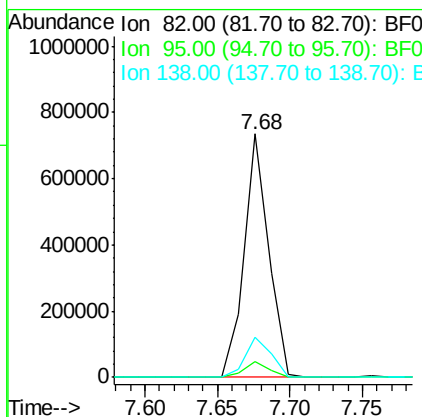
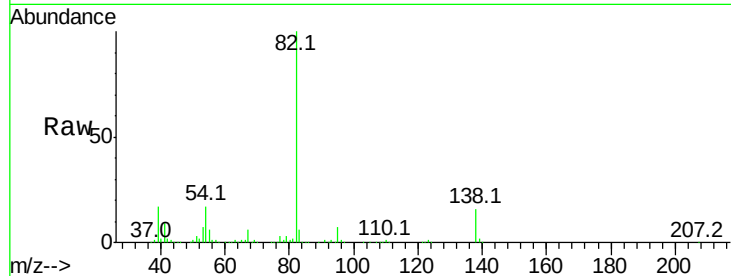
ClientSampleId :

PB97057BS

Tot Ion:	82	Resp:	859643
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.6	8.4
138	16.4	14.6	22.0

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#26

2-Nitrophenol

Concen: 47.24 ng

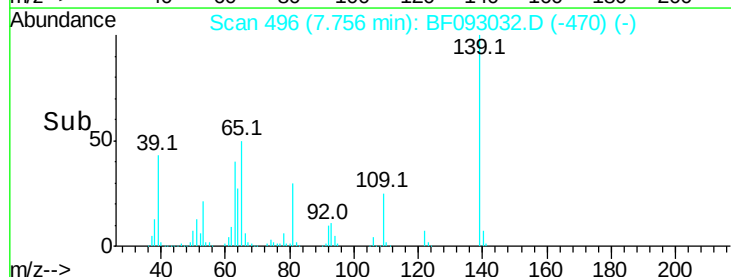
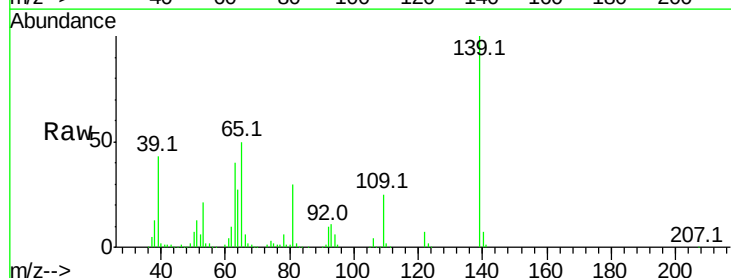
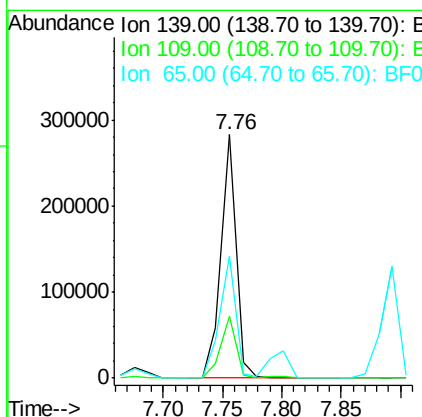
RT: 7.76 min Scan# 496

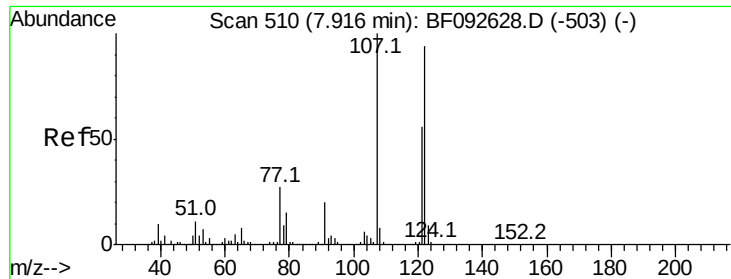
Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	139	Resp:	249255
Ion Ratio	Lower	Upper	
139	100		
109	25.2	23.3	34.9
65	50.4	42.7	64.1





#27

2,4-Dimethylphenol

Concen: 46.67 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

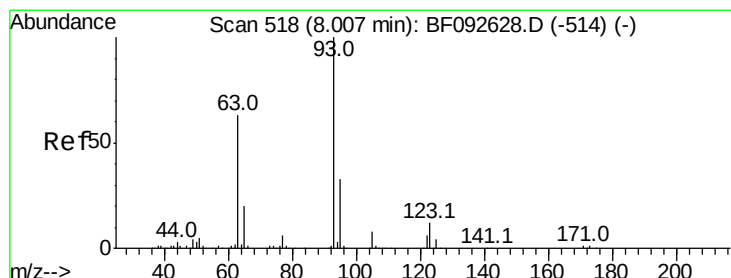
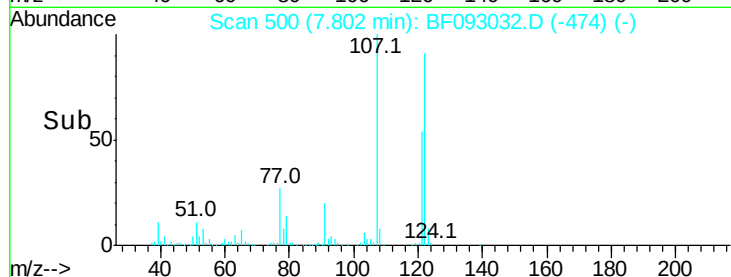
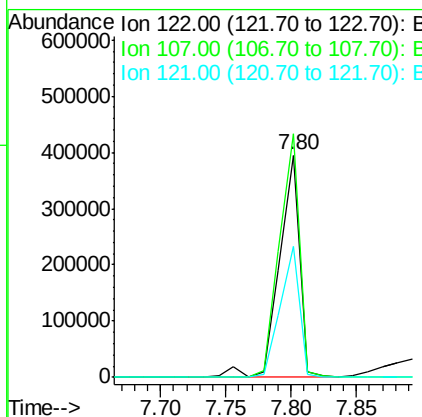
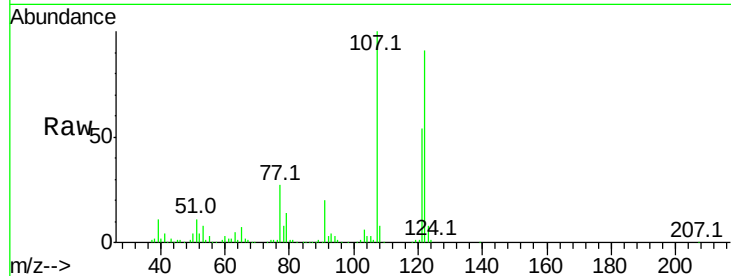
ClientSampleId :

PB97057BS

Tot Ion:	122	Resp:	432452
Ion Ratio	Lower	Upper	
122	100		
107	109.6	94.1	141.1
121	59.2	46.0	69.0

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#28

bis(2-Chloroethoxy)methane

Concen: 43.94 ng

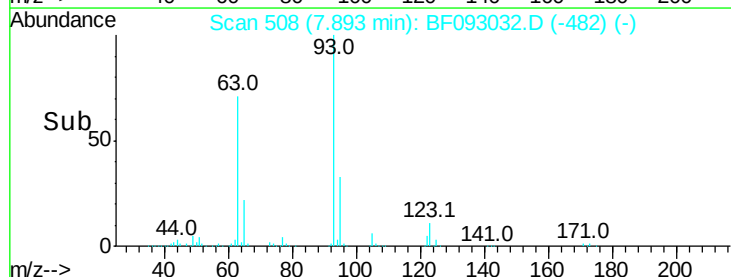
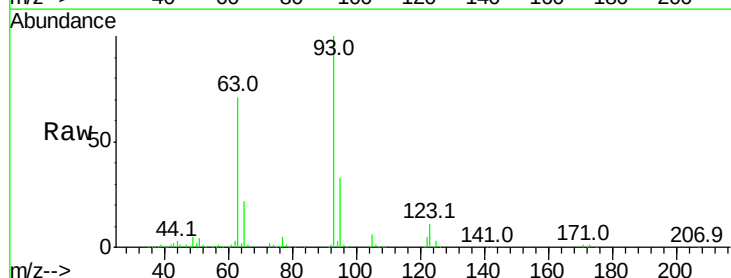
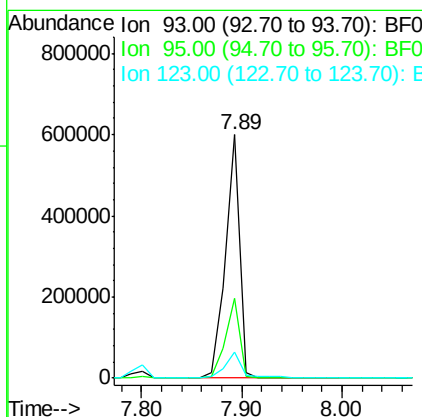
RT: 7.89 min Scan# 508

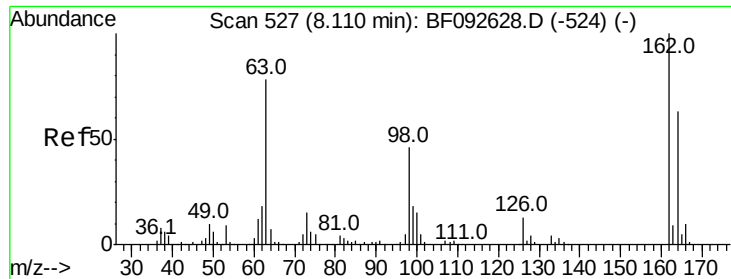
Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	93	Resp:	586160
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.5	39.7
123	10.9	8.6	13.0





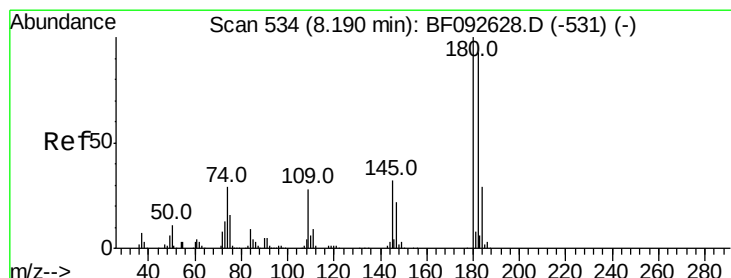
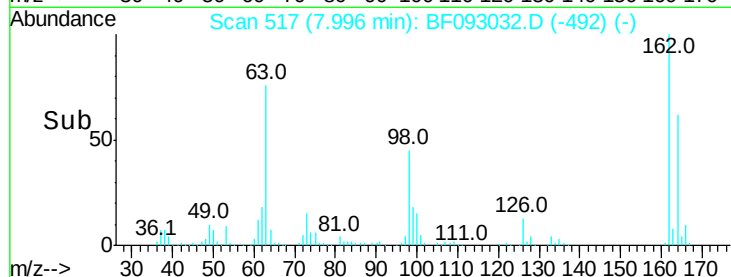
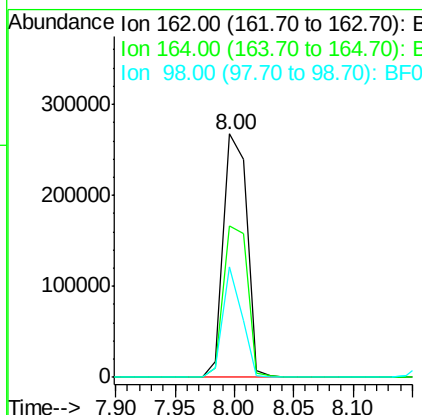
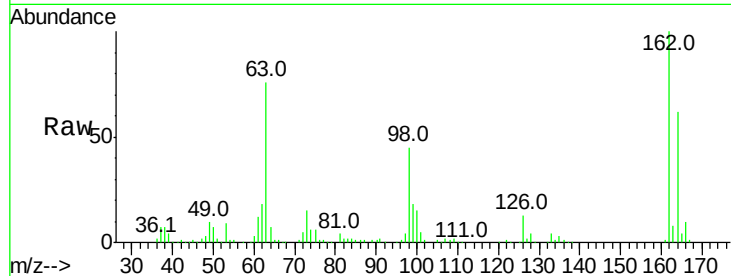
#29
 2,4-Dichlorophenol
 Concen: 42.48 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.4	46.8	86.8
98	45.2	9.1	49.1

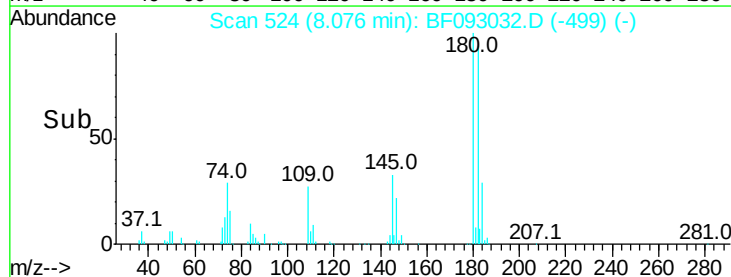
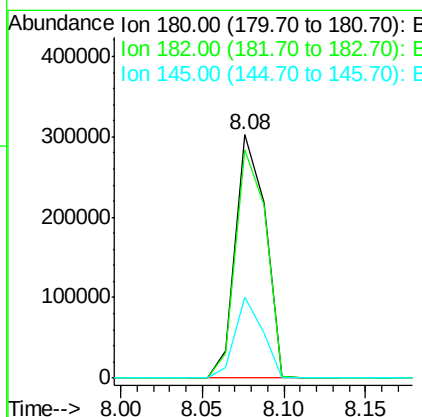
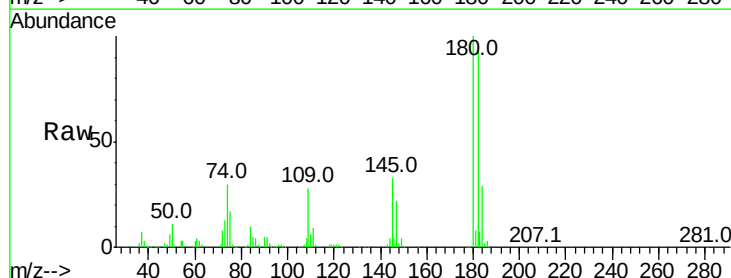
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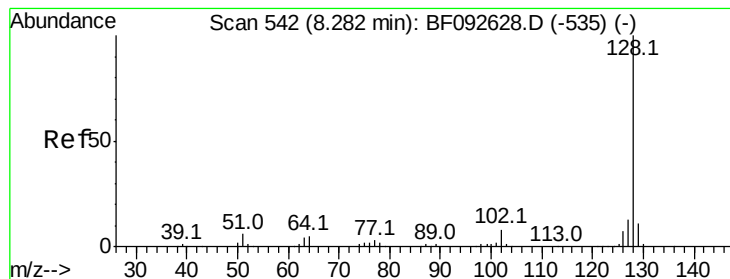
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.07 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.0	78.2	117.4
145	33.1	21.6	32.4#





#31

Naphthalene

Concen: 38.67 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion:128 Resp: 1179835

Ion Ratio Lower Upper

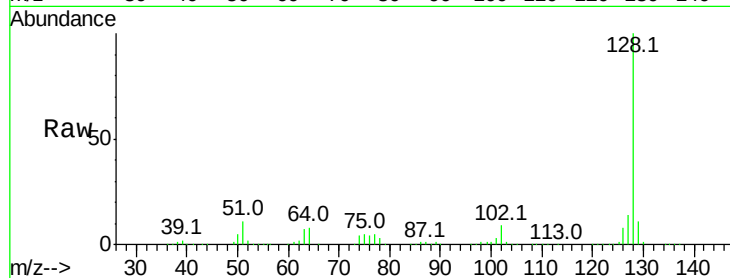
128 100

129 11.5 9.5 14.3

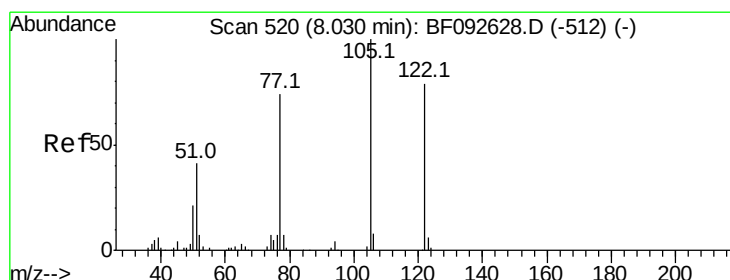
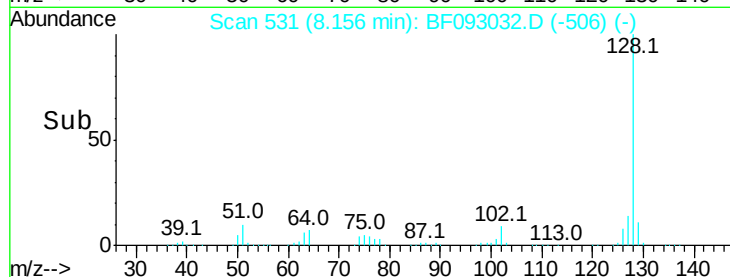
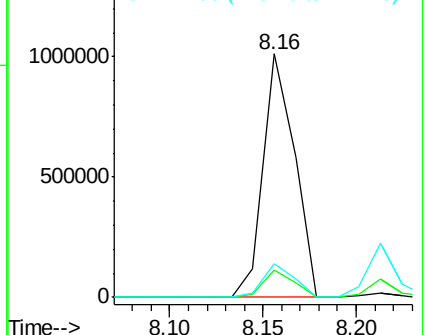
127 13.7 10.8 16.2

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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: 44.74 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

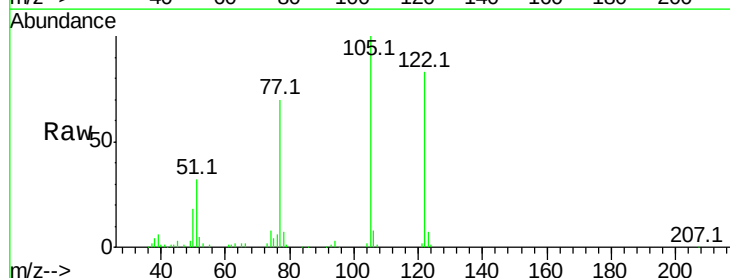
Tgt Ion:122 Resp: 231898

Ion Ratio Lower Upper

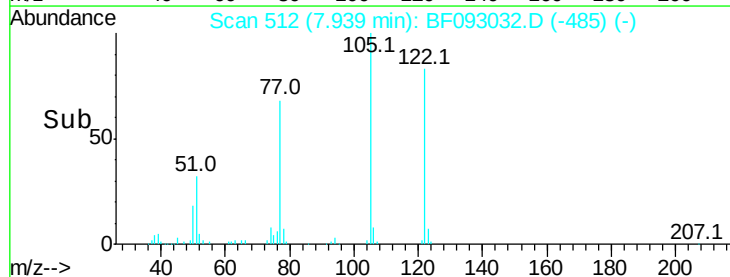
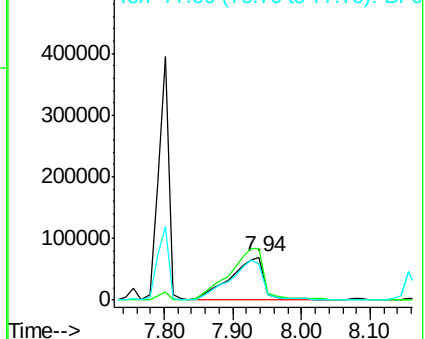
122 100

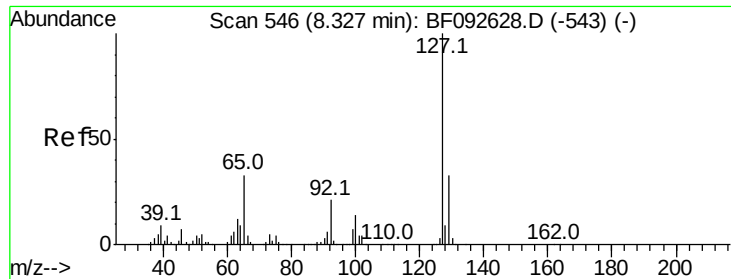
105 119.8 107.2 147.2

77 83.5 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





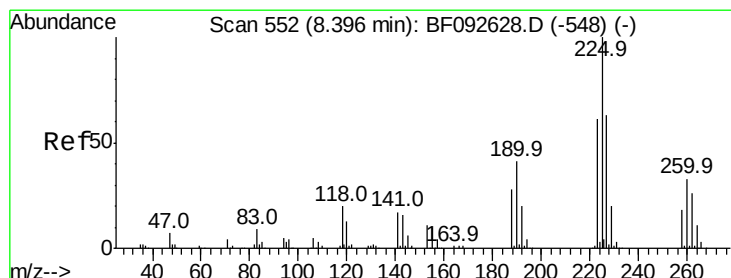
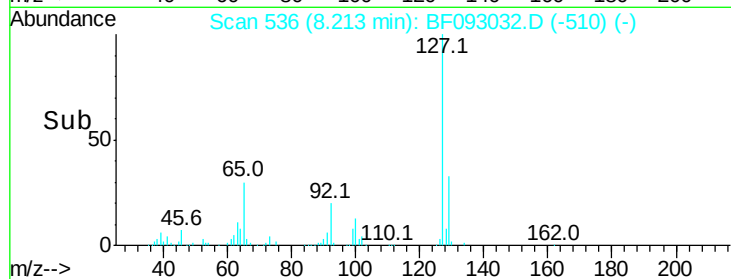
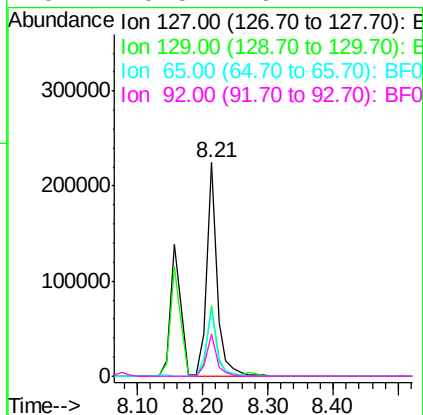
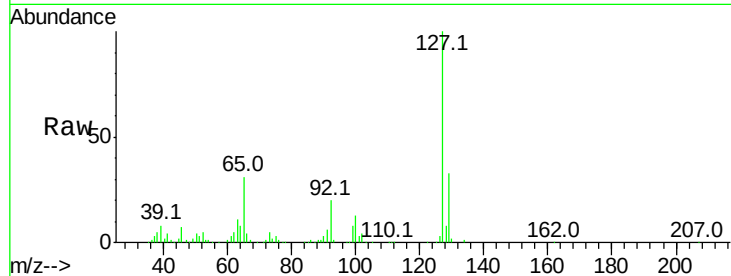
#33
4-Chloroaniline
Concen: 20.68 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	247417		
129	33.2	26.3	39.5	
65	30.9	25.8	38.8	
92	19.5	16.1	24.1	

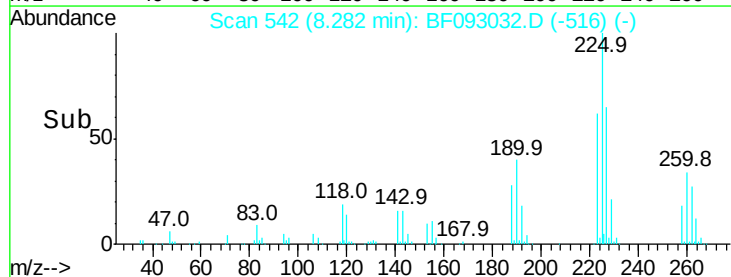
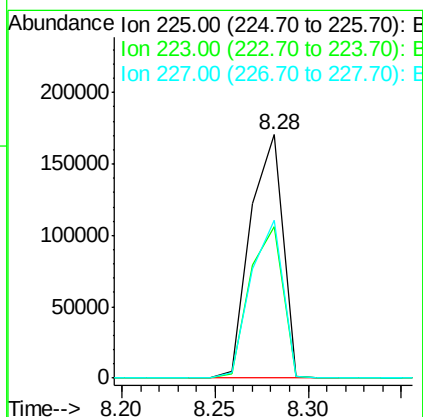
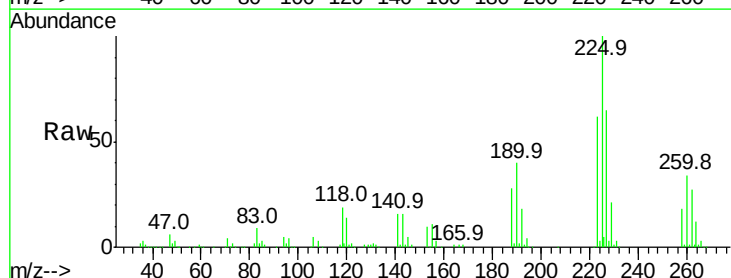
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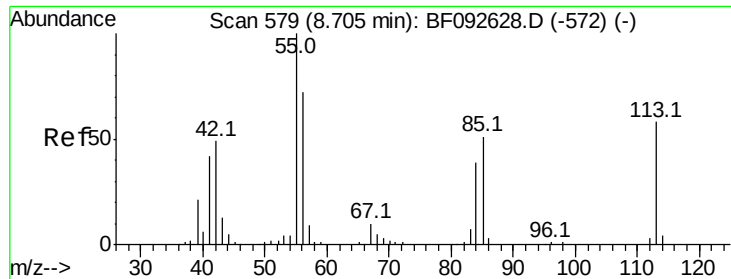
mohammad
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#34
Hexachlorobutadiene
Concen: 40.01 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	204982		
223	62.0	51.0	76.6	
227	65.0	50.6	76.0	





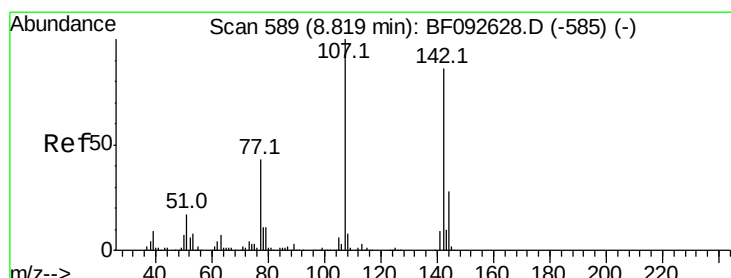
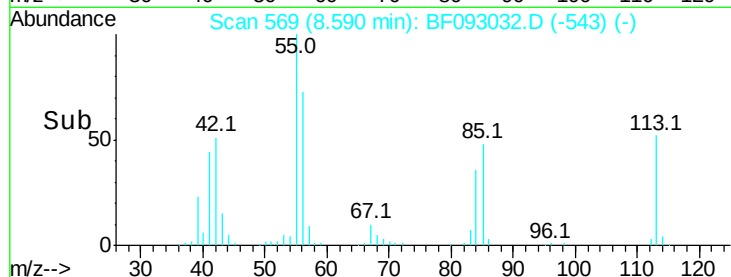
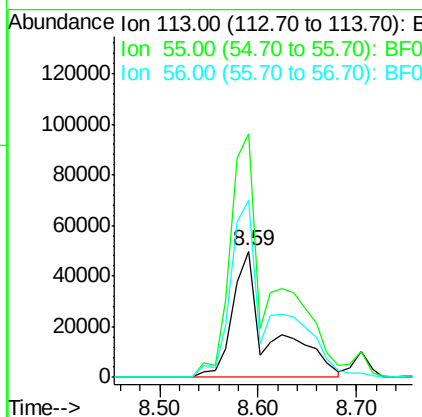
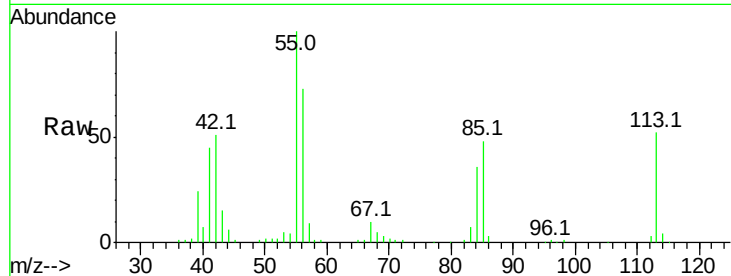
#35
Caprolactam
Concen: 47.97 ng/ml
RT: 8.59 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion:113 Resp: 130403
Ion Ratio Lower Upper
113 100
55 193.5 119.2 159.2#
56 140.9 83.8 123.8#

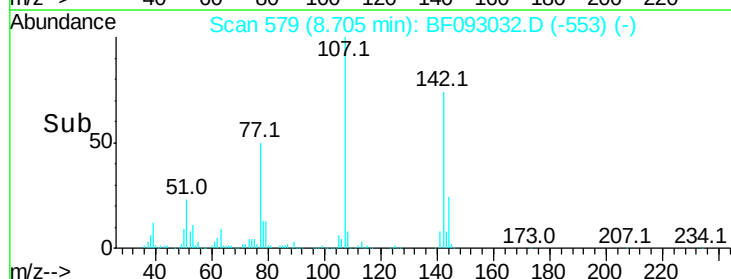
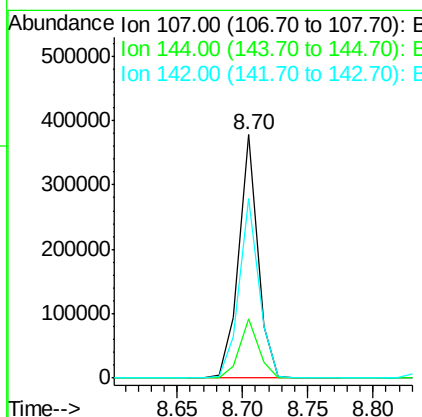
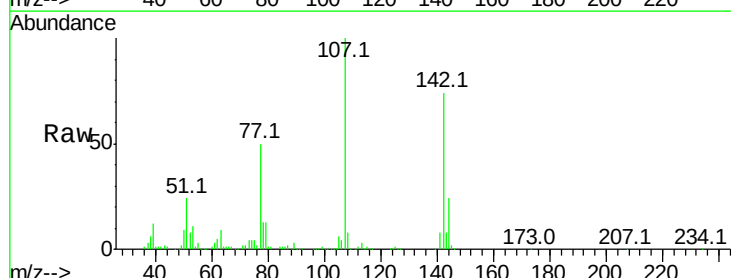
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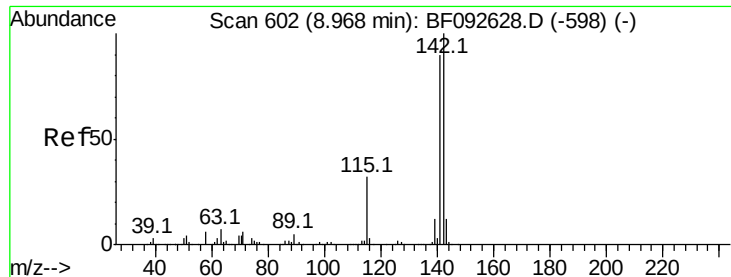
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#36
4-Chloro-3-methylphenol
Concen: 42.95 ng/ml
RT: 8.70 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion:107 Resp: 386919
Ion Ratio Lower Upper
107 100
144 24.4 19.3 28.9
142 73.9 59.0 88.6





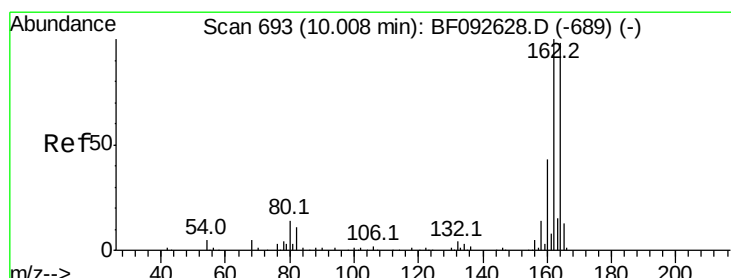
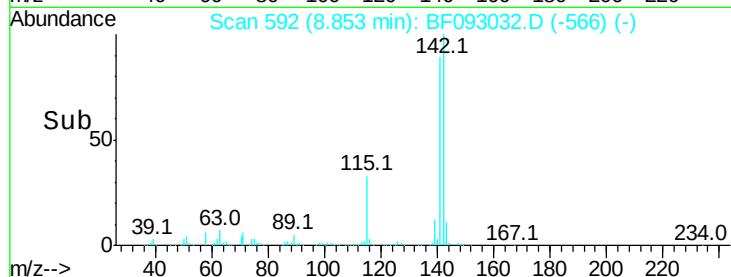
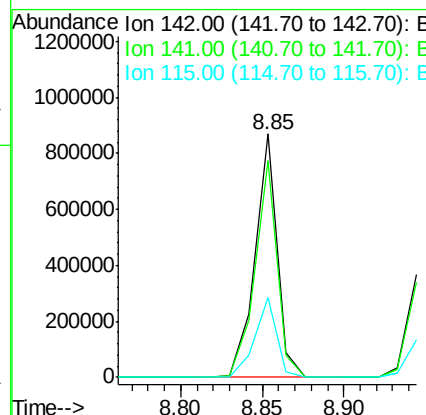
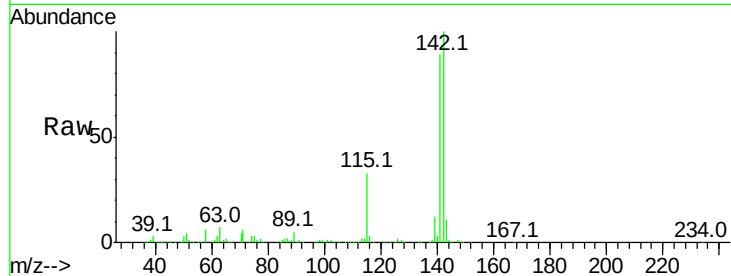
#37
2-Methylnaphthalene
Concen: 41.66 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	32.9	28.3	42.5

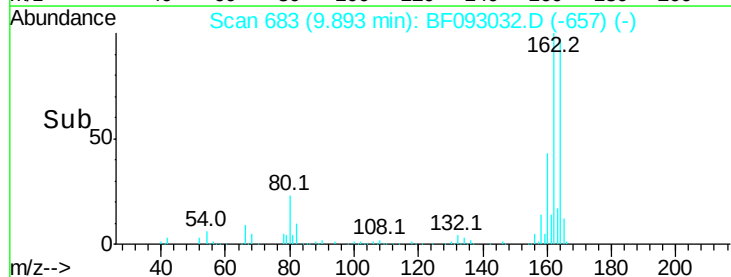
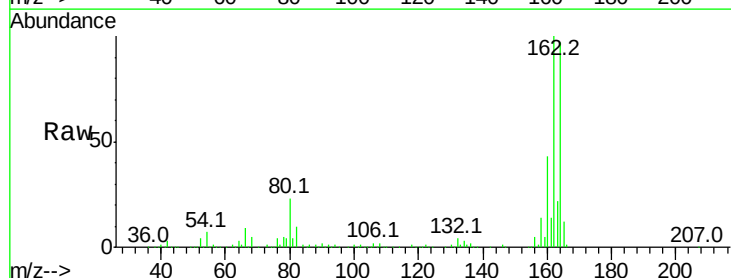
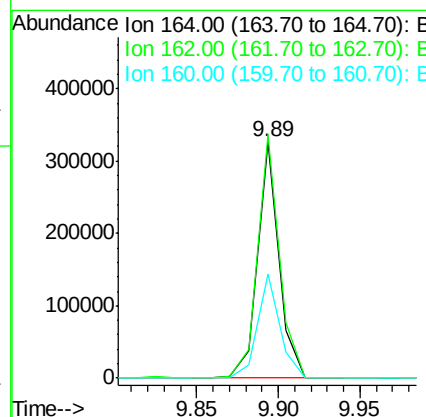
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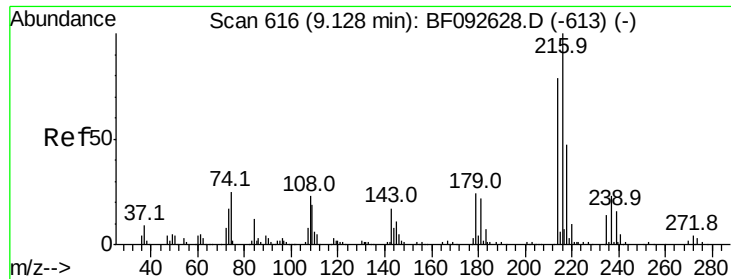
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.2	120.2
160	44.2	36.9	55.3





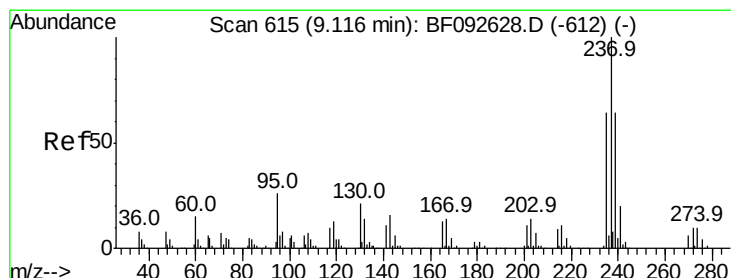
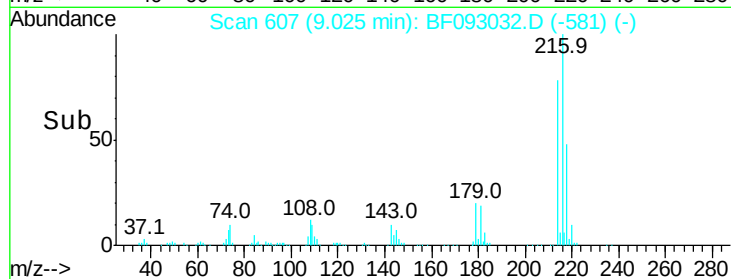
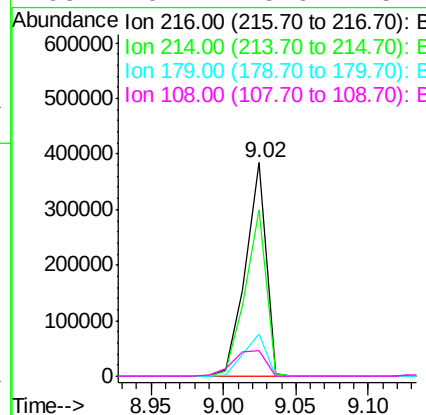
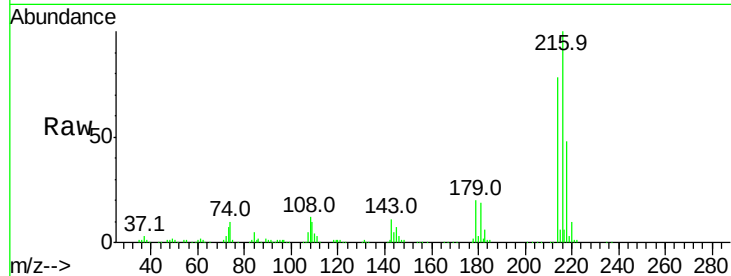
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.65 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion:	216	Resp:	381181
Ion Ratio		Lower	Upper
216	100		
214	79.2	63.4	95.0
179	21.3	17.4	26.2
108	19.2	15.6	23.4

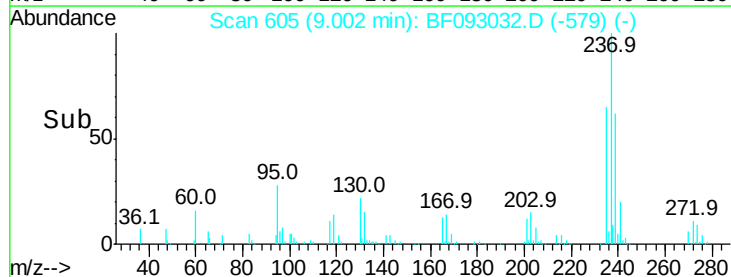
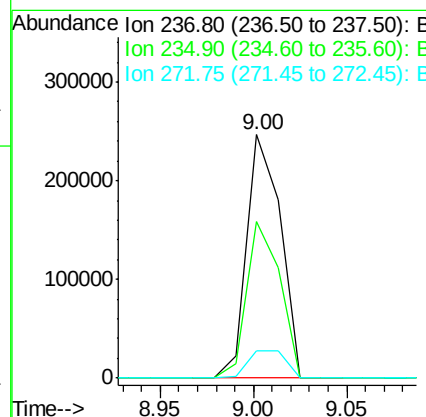
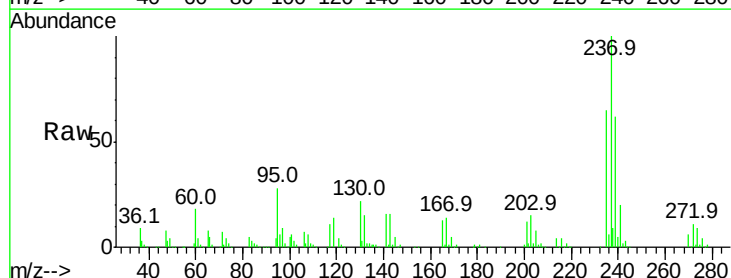
Manual Integrations
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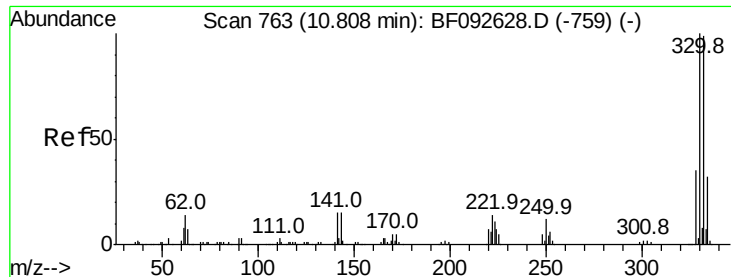
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#40
 Hexachlorocyclopentadiene
 Concen: 81.96 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion:	237	Resp:	308793
Ion Ratio		Lower	Upper
237	100		
235	64.6	41.2	81.2
272	11.2	0.0	35.4





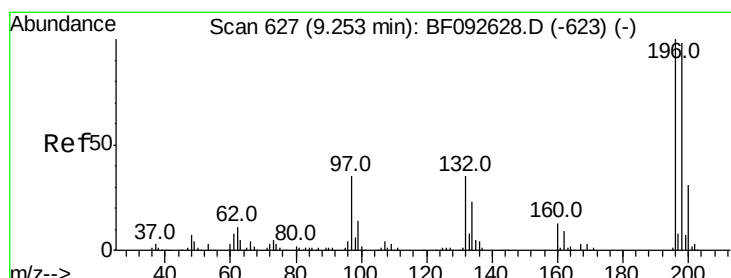
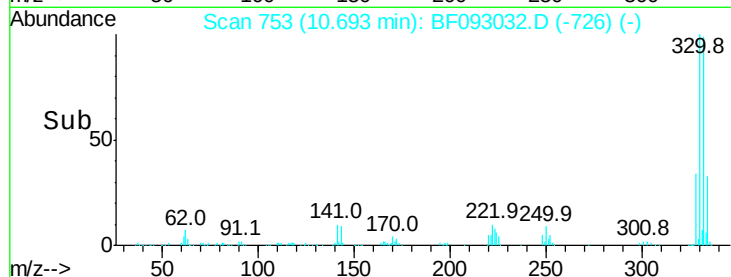
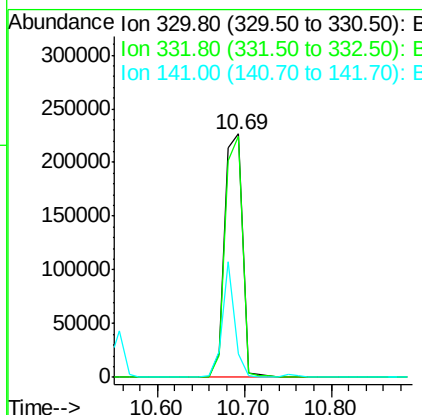
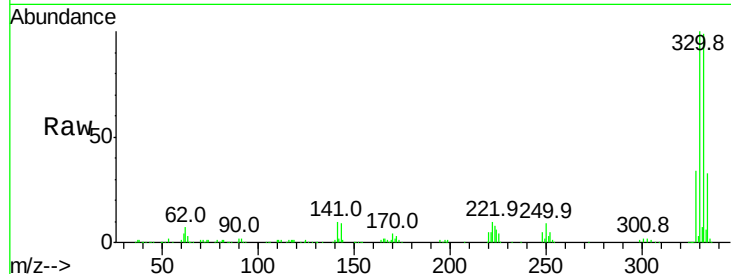
#41
 2,4,6-Tribromophenol
 Concen: 151.50 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.4	116.2	
141	33.0	34.1	51.1	

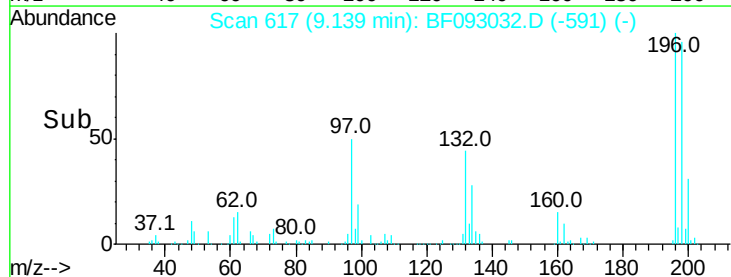
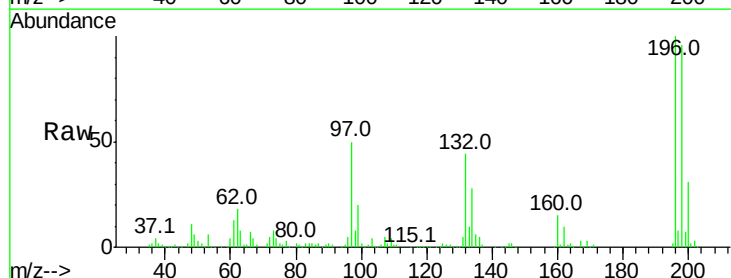
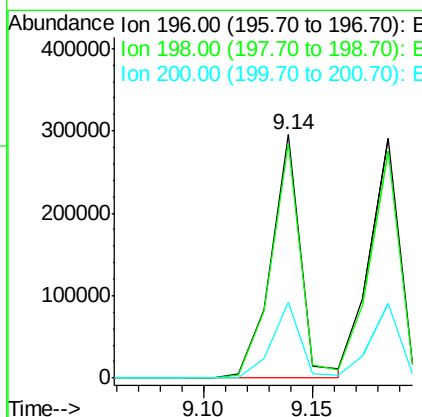
Manual Integrations
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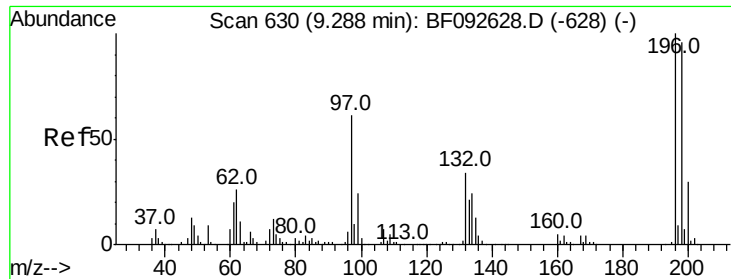
mohammad
 2/21/2017 3:57:26 PM



#42
 2,4,6-Trichlorophenol
 Concen: 51.16 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.2	82.1	123.1	
200	31.4	27.0	40.4	





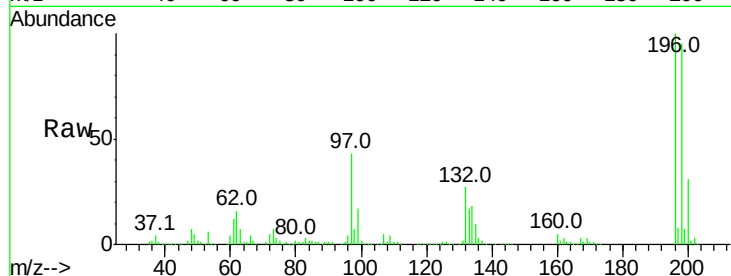
#43
 2,4,5-Trichlorophenol
 Concen: 46.65 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

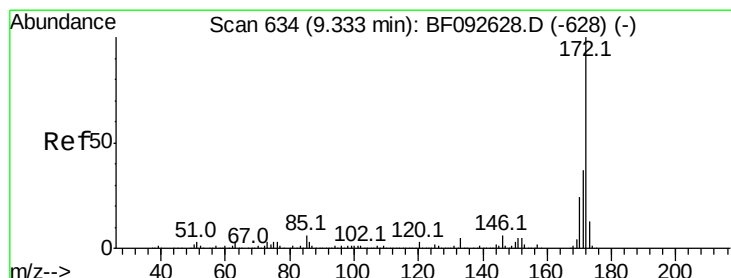
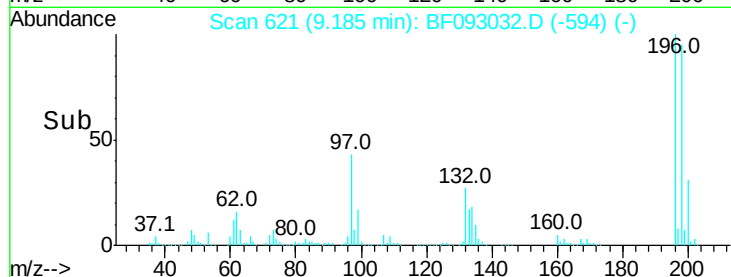
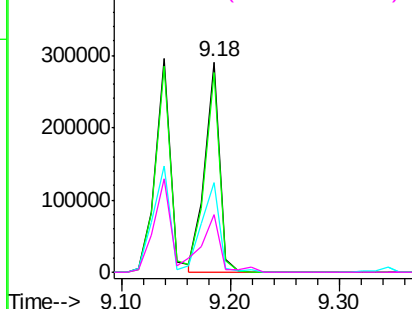
Tot Ion	Ratio	Resp	Lower	Upper
196	100	280466		
198	94.7	79.4	119.2	
97	42.7	51.5	77.3#	
132	27.2	27.4	41.2#	

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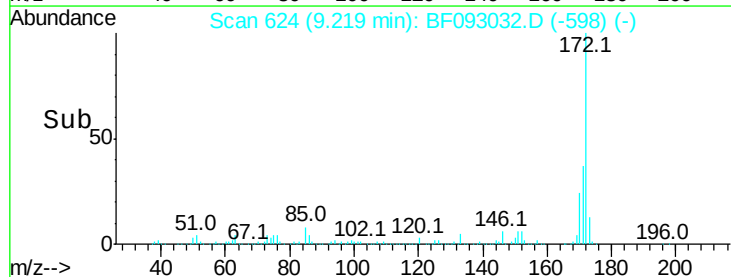
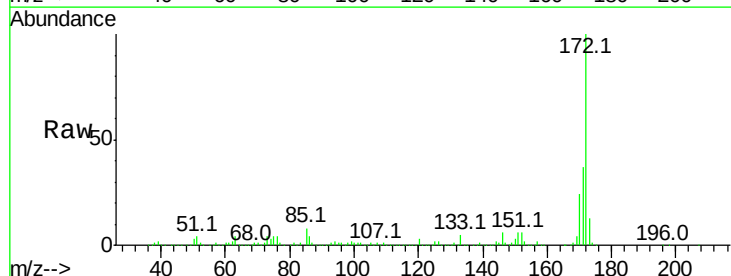
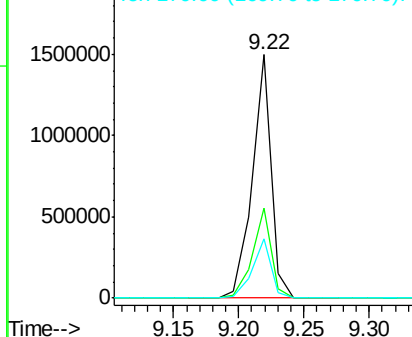
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

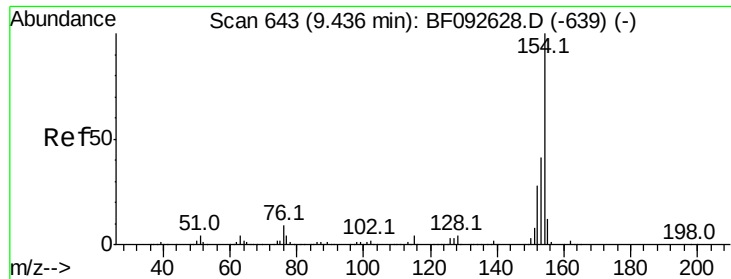


#44
 2-Fluorobiphenyl
 Concen: 91.89 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1508813		
171	36.8	29.4	44.0	
170	24.5	20.2	30.4	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





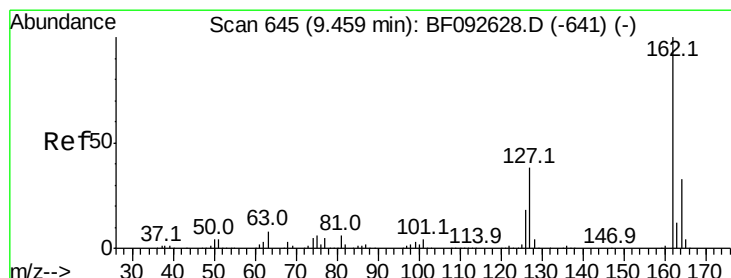
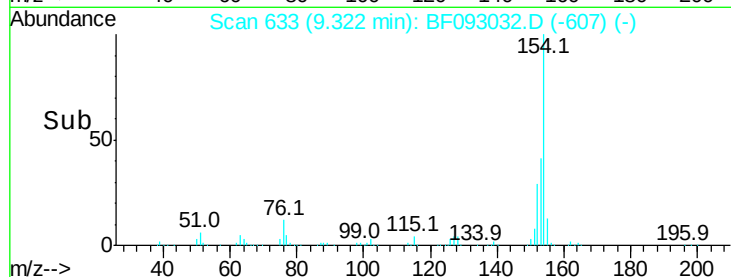
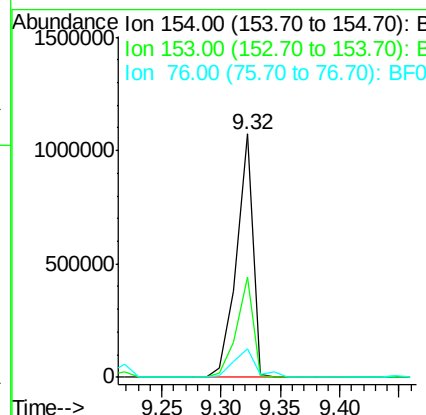
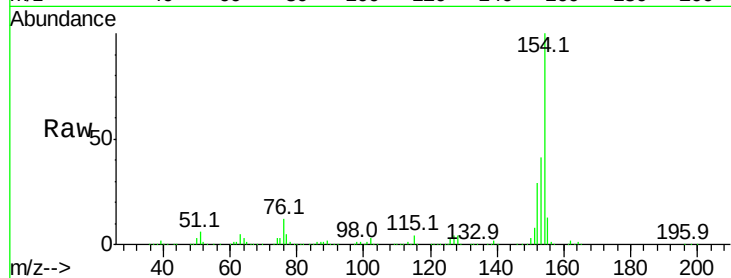
#45
1,1'-Biphenyl
Concen: 48.06 ng
RT: 9.32 min Scan# 633
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	11.9	0.0	30.5

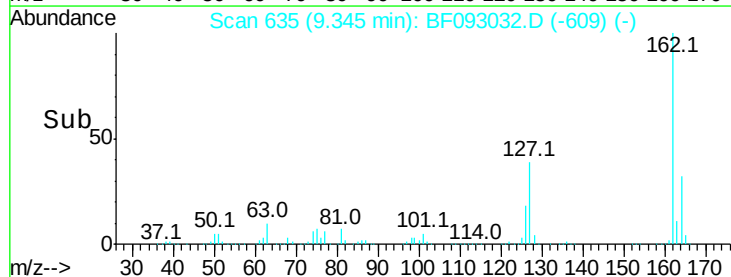
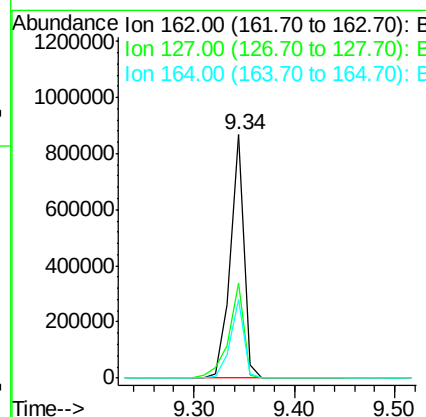
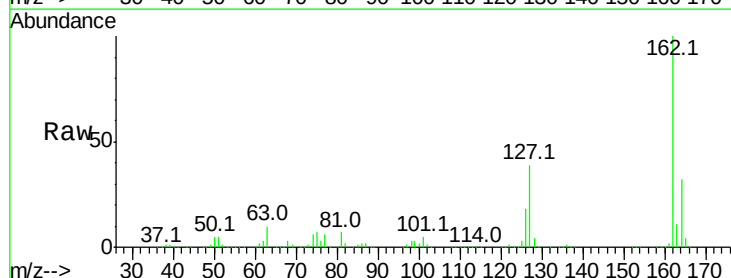
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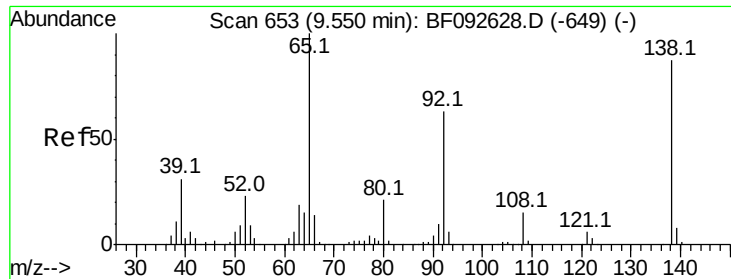
mohammad
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#46
2-Chloronaphthalene
Concen: 48.56 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.2	30.7	46.1
164	32.5	27.6	41.4





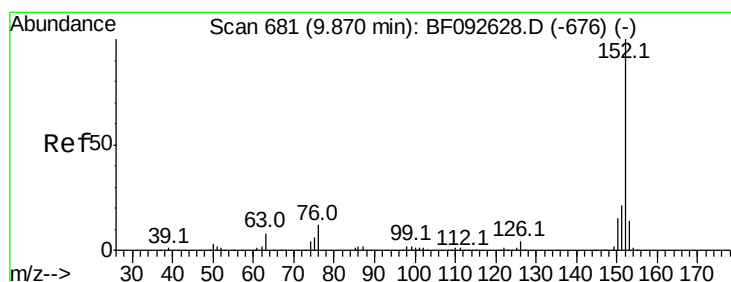
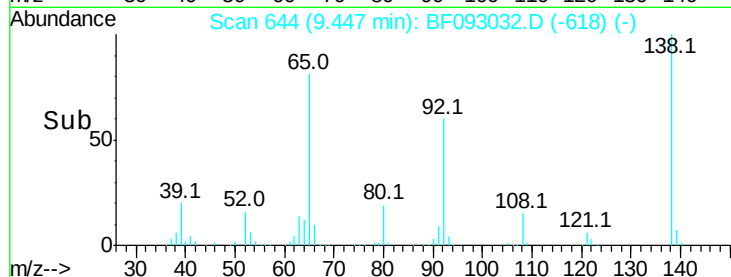
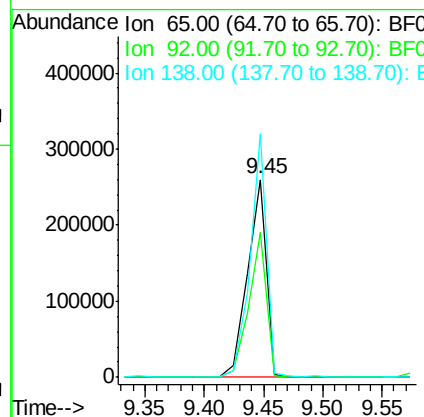
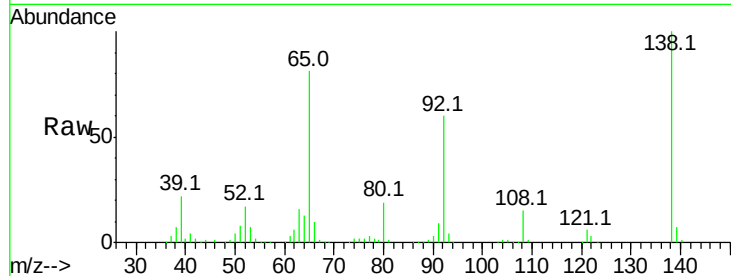
#47
2-Nitroaniline
Concen: 50.46 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.5	53.9	80.9
138	123.3	76.8	115.2

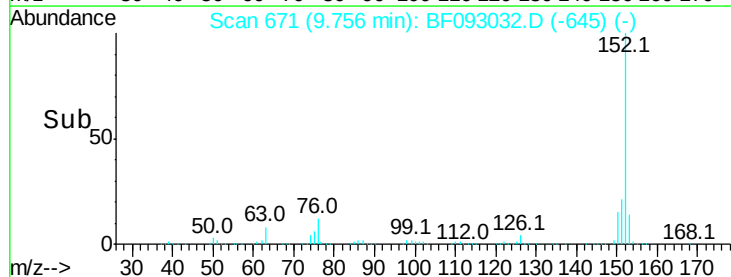
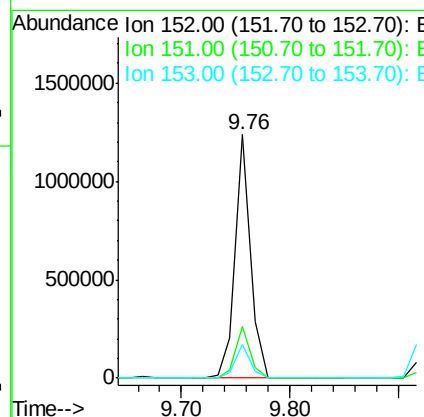
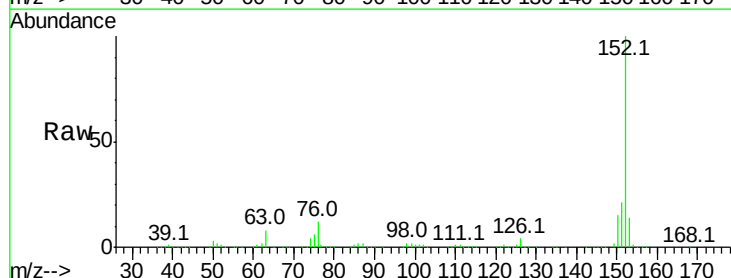
Manual Integrations
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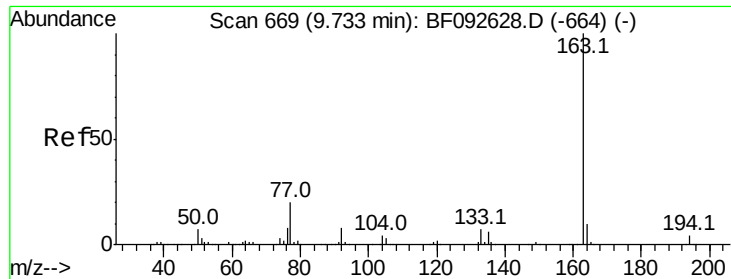
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#48
Acenaphthylene
Concen: 41.27 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.9	25.3
153	13.6	11.4	17.2





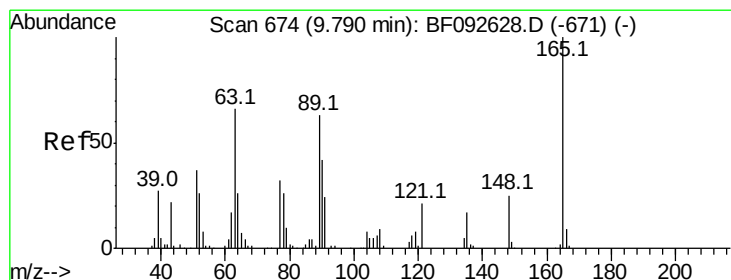
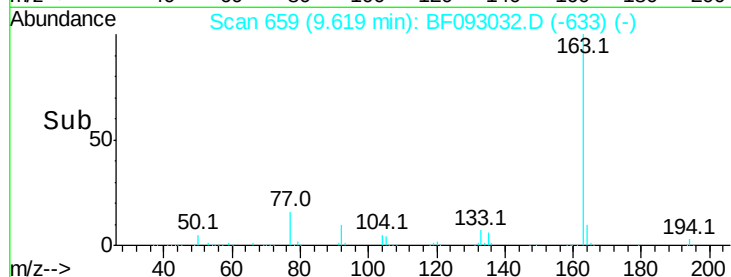
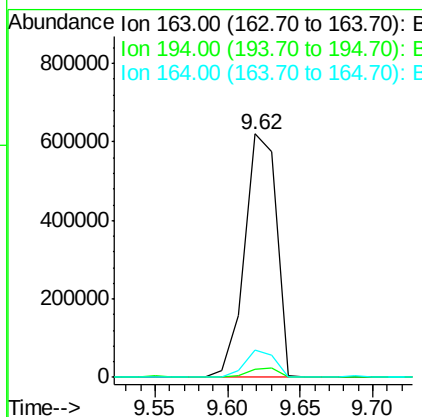
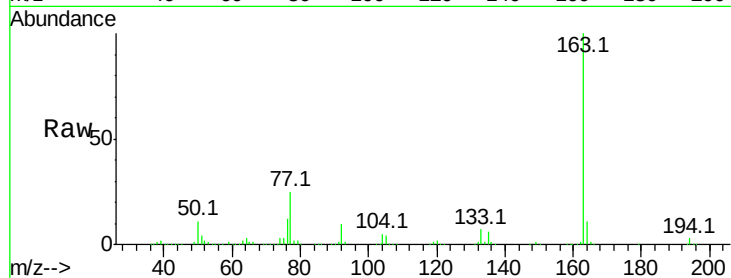
#49
Dimethylphthalate
Concen: 47.09 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	943457		
194	3.4		3.0	4.4
164	11.0		8.0	12.0

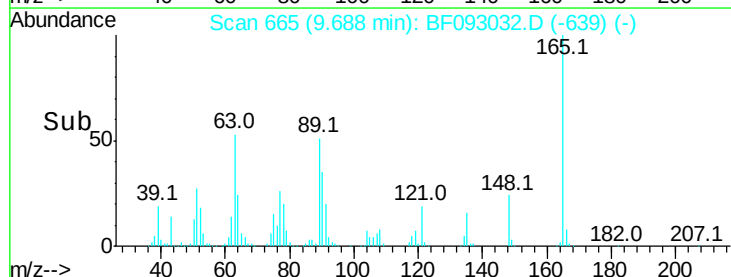
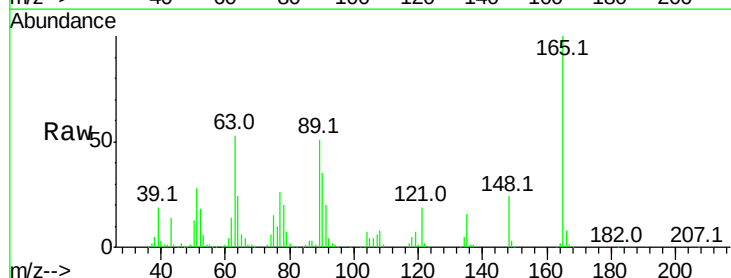
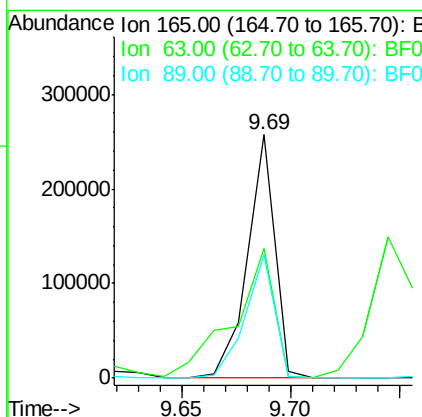
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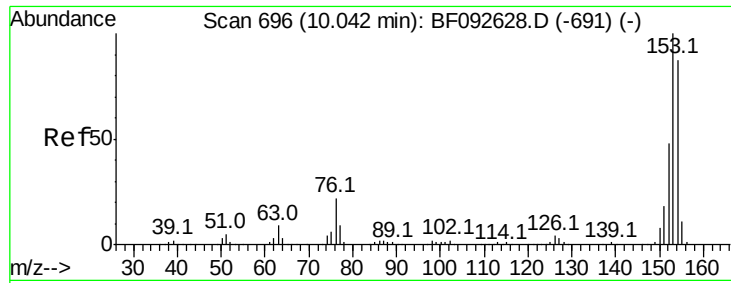
mohammad
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#50
2,6-Dinitrotoluene
Concen: 51.81 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	224202		
63	53.0		36.2	54.4
89	50.7		40.2	60.4





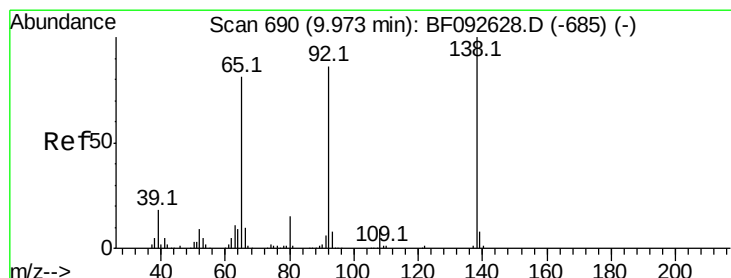
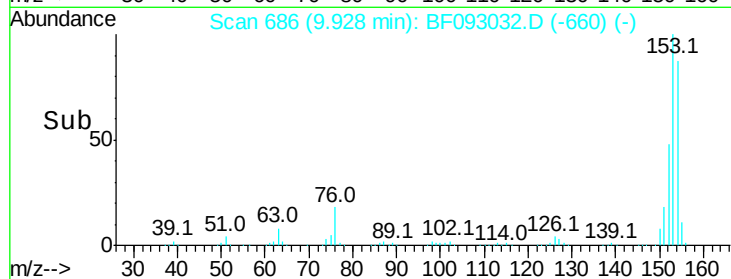
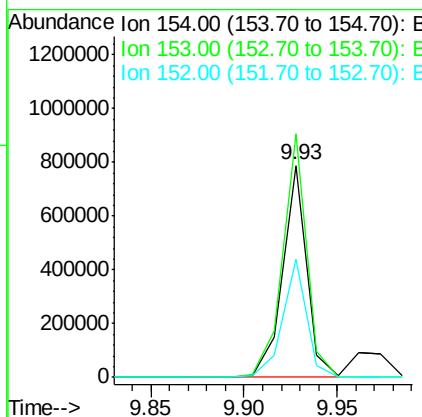
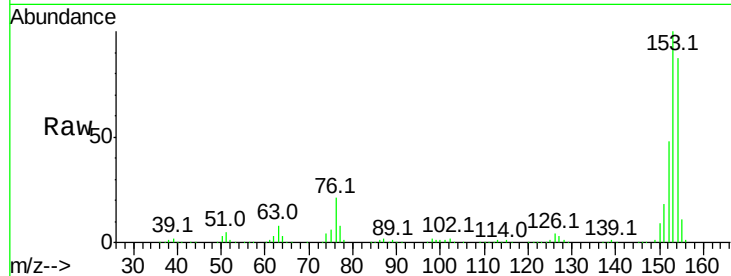
#51
Acenaphthene
Concen: 40.89 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.0	88.6	133.0
152	55.5	41.6	62.4

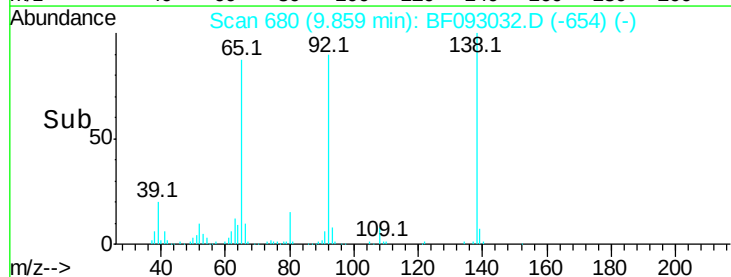
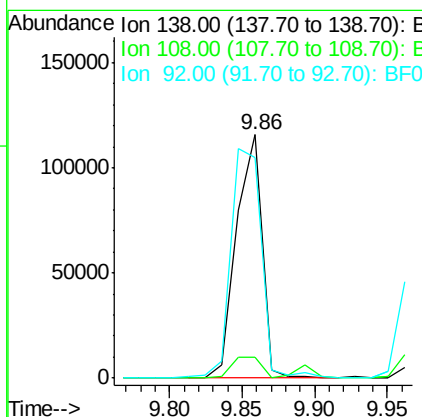
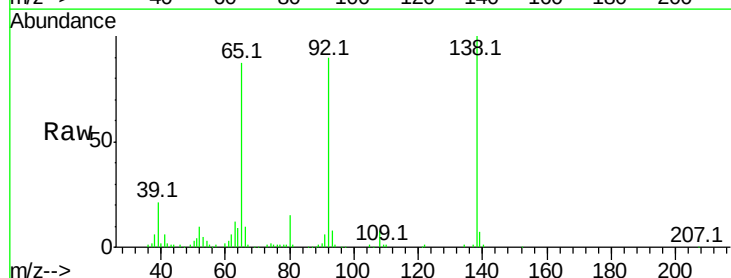
Manual Integrations
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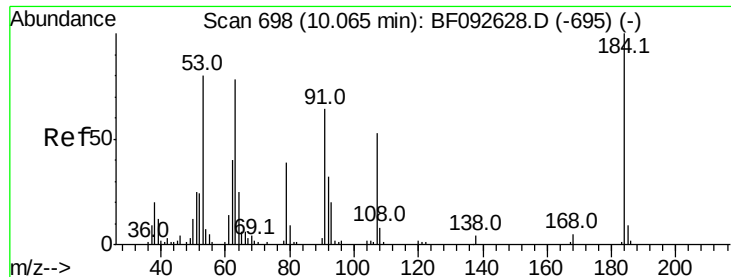
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#52
3-Nitroaniline
Concen: 28.79 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
138	100		
108	8.3	8.5	12.7#
92	90.5	97.8	146.8#





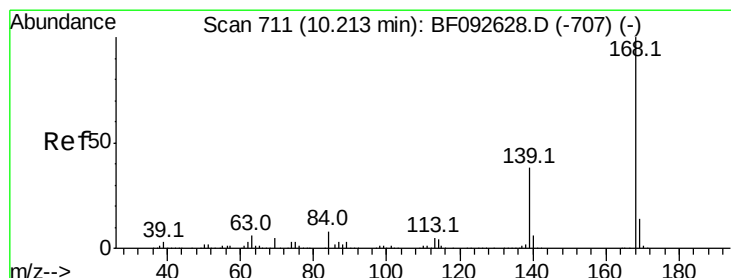
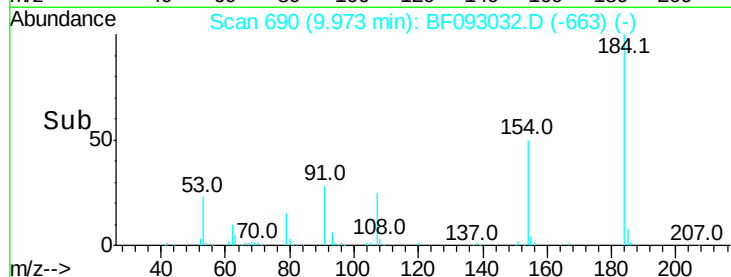
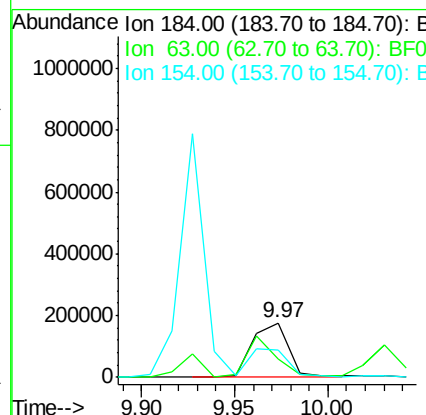
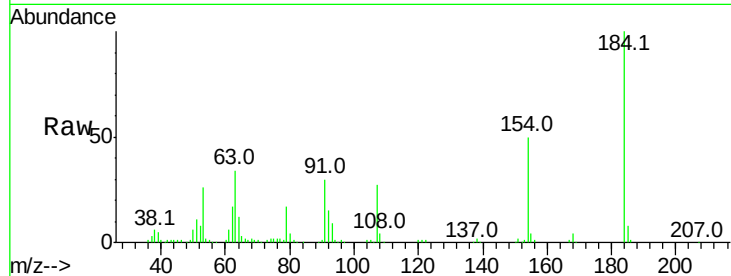
#53
2,4-Dinitrophenol
Concen: 106.89 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
184	100		
63	33.6	28.4	42.6
154	49.9	44.3	66.5

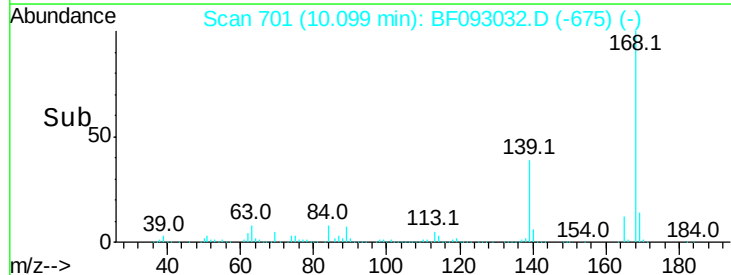
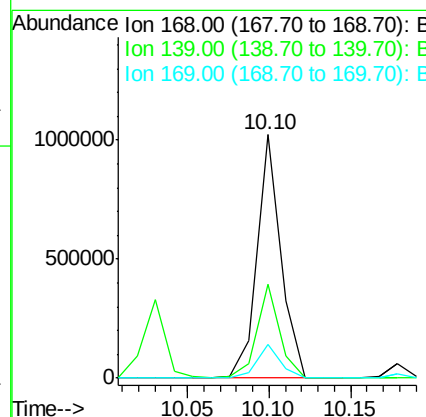
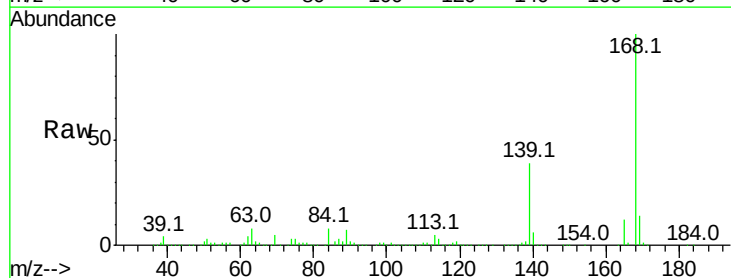
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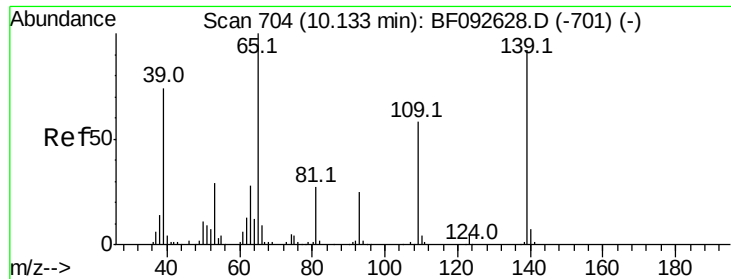
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#54
Dibenzofuran
Concen: 44.68 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	32.6	49.0
169	13.8	11.3	16.9





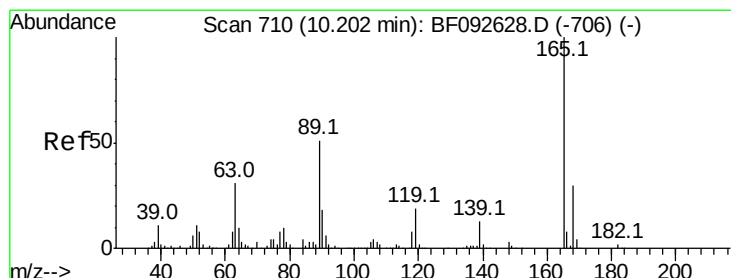
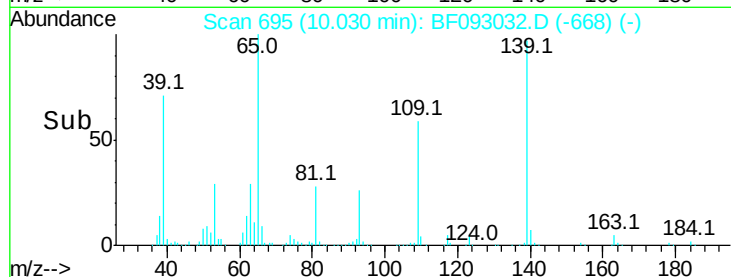
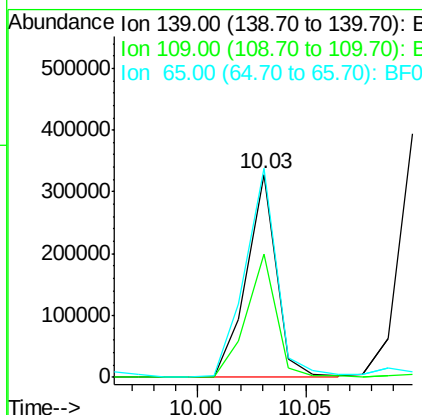
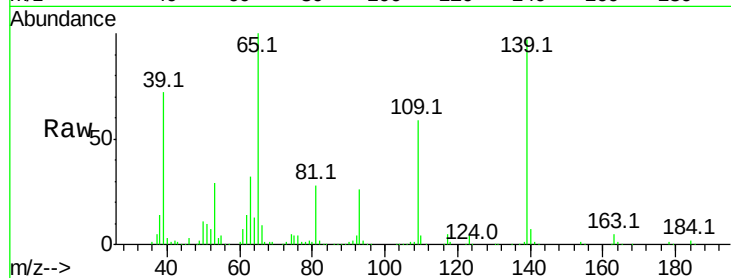
#55
4-Nitrophenol
Concen: 88.68 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampled :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	316300		
109	61.0	52.2	92.2	
65	103.1	85.8	125.8	

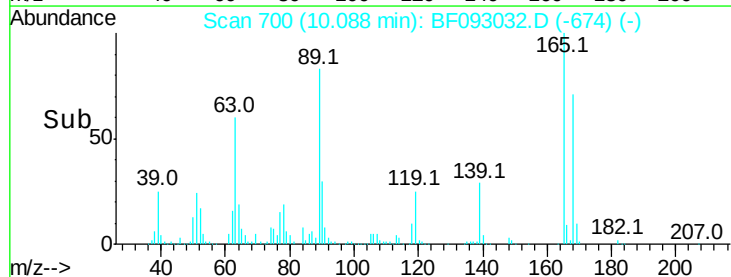
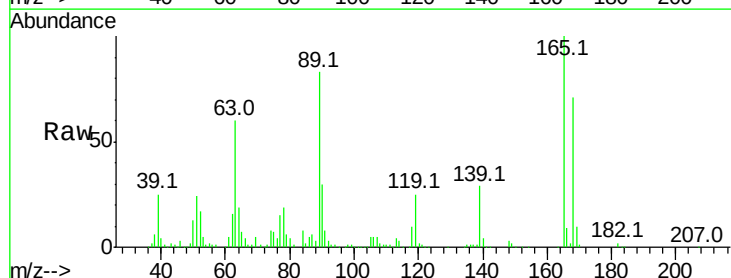
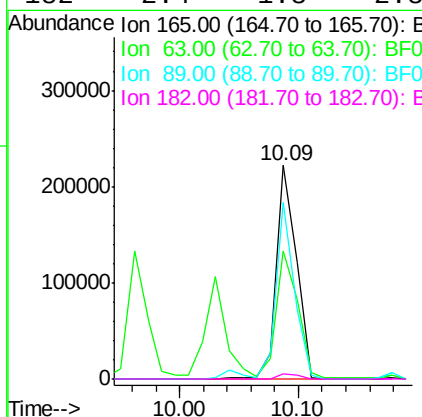
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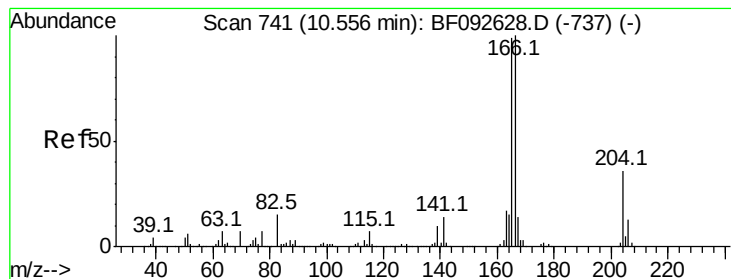
mohammad
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#56
2,4-Dinitrotoluene
Concen: 44.61 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	256962		
63	60.2	40.2	60.4	
89	82.6	62.5	93.7	
182	2.4	1.8	2.8	





#57

Fluorene

Concen: 45.50 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion:166 Resp: 814752

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.8

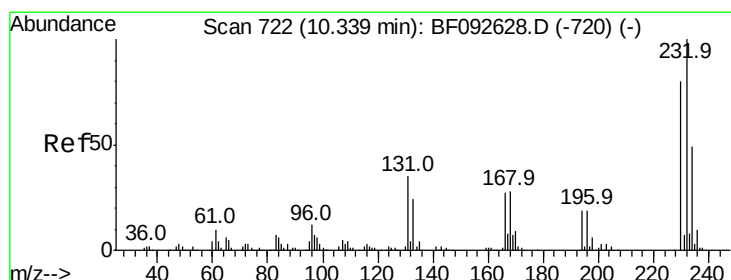
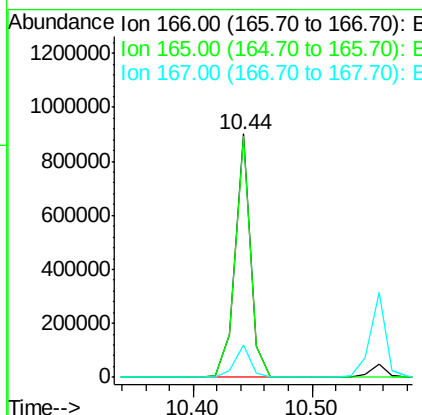
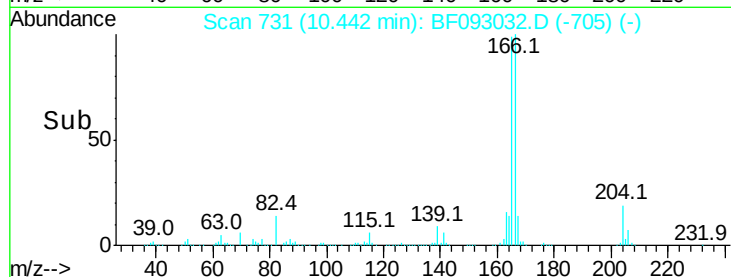
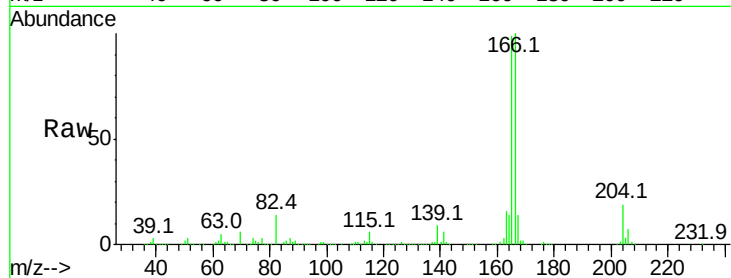
167 13.5 10.8 16.2

Manual Integrations

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#58

2,3,4,6-Tetrachlorophenol

Concen: 55.21 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:232 Resp: 221401

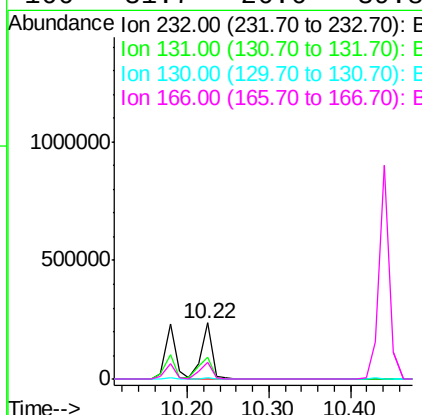
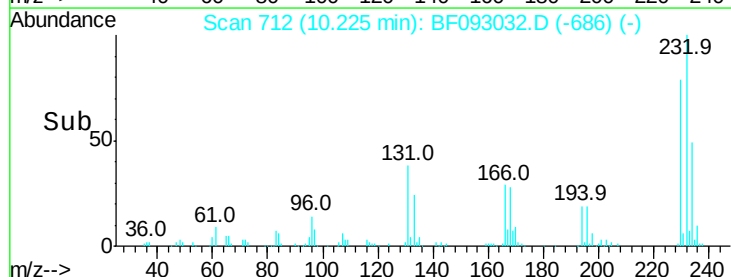
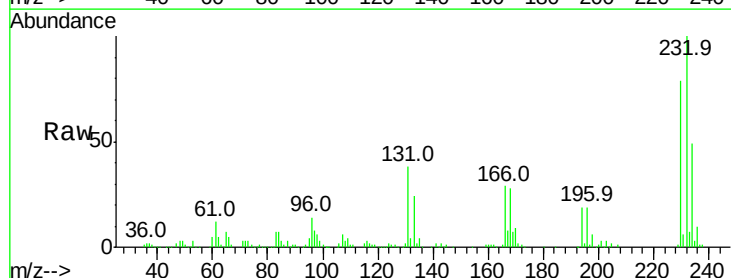
Ion Ratio Lower Upper

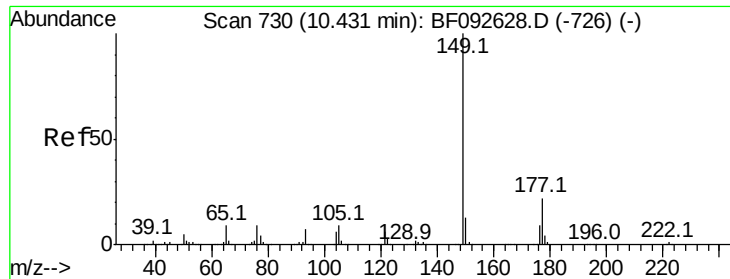
232 100

131 47.4 40.1 60.1

130 2.1 1.8 2.8

166 31.7 26.6 39.8





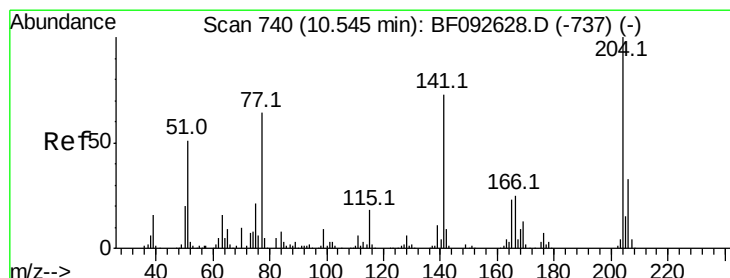
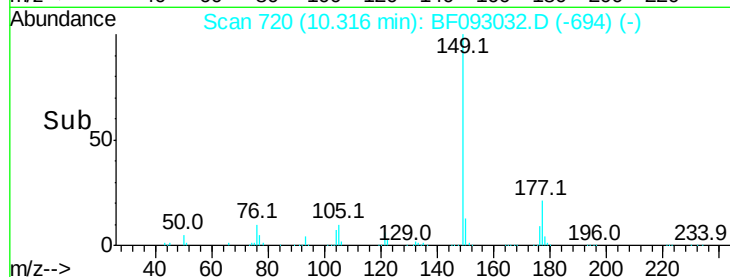
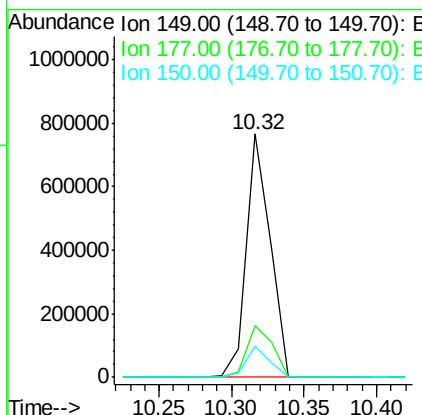
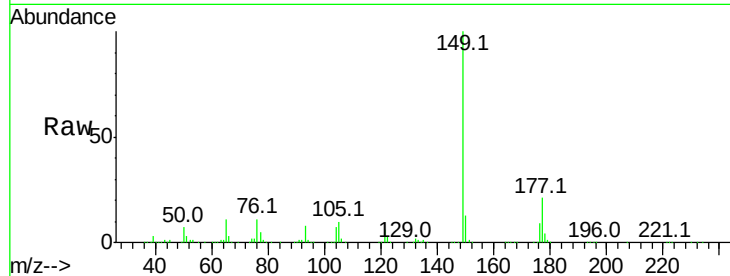
#59
Diethylphthalate
Concen: 46.08 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	870108		
177	21.2	16.6	25.0	
150	12.8	10.4	15.6	

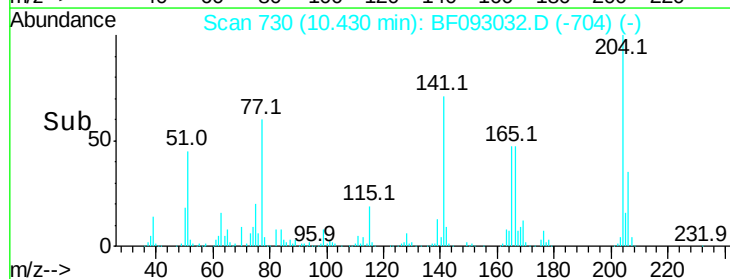
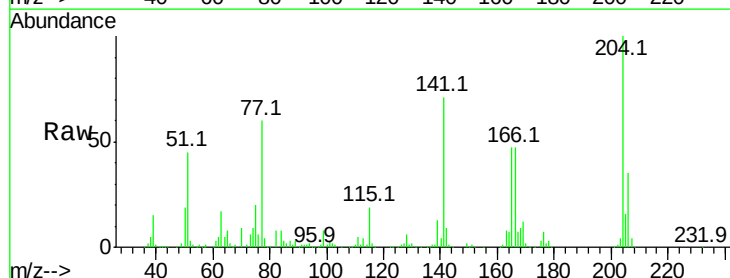
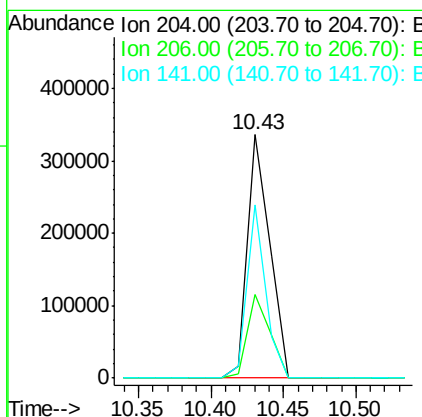
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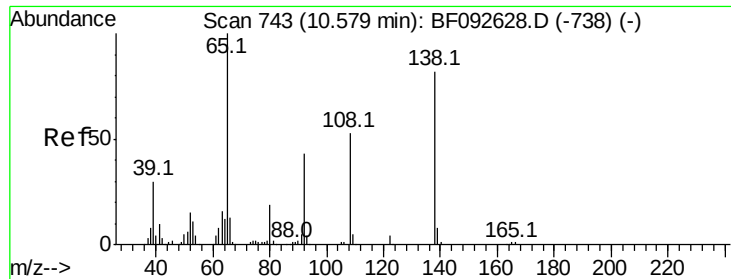
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 41.63 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	358164		
206	34.5	25.8	38.6	
141	70.9	59.4	89.0	





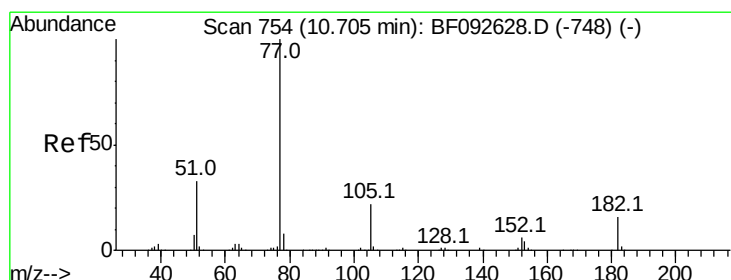
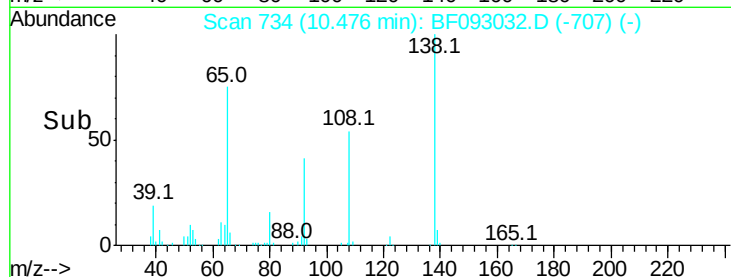
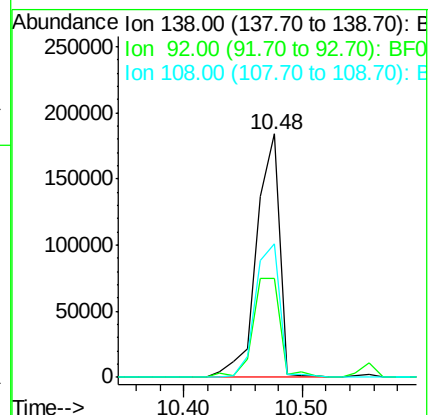
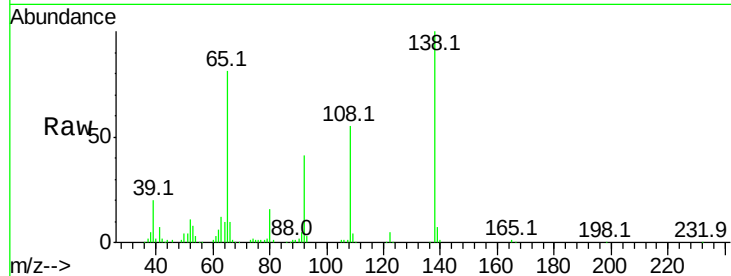
#61
4-Nitroaniline
Concen: 49.34 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	40.9	31.7	71.7
108	54.6	52.6	92.6

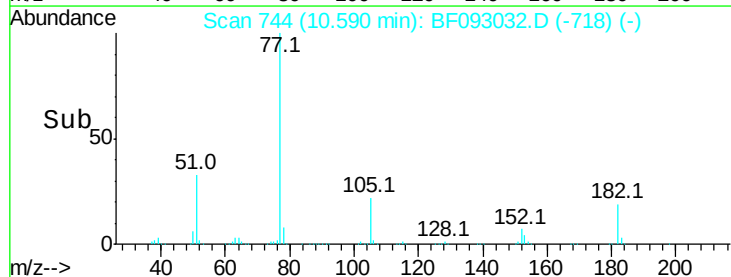
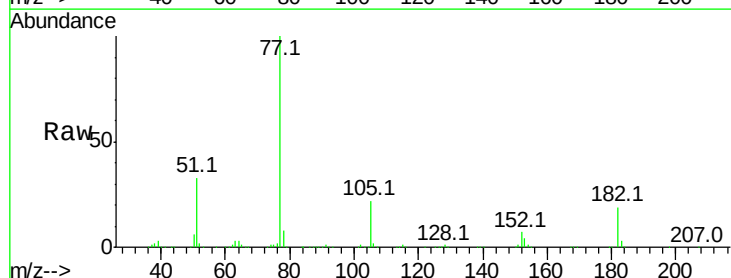
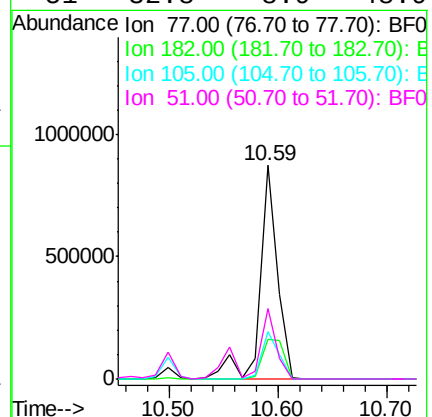
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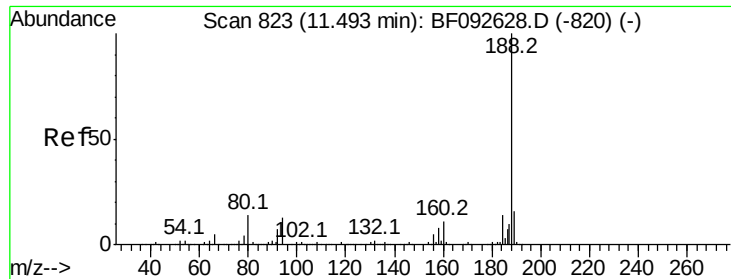
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#62
Azobenzene
Concen: 50.63 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.7	0.0	39.3
105	22.3	2.3	42.3
51	32.8	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

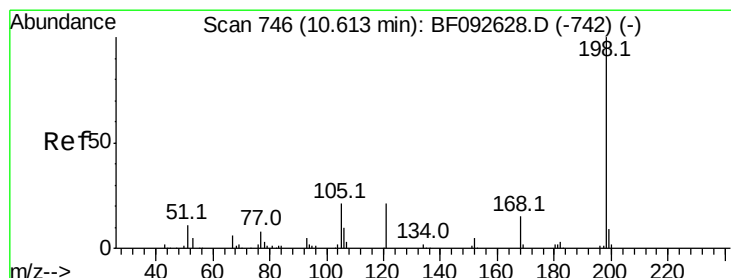
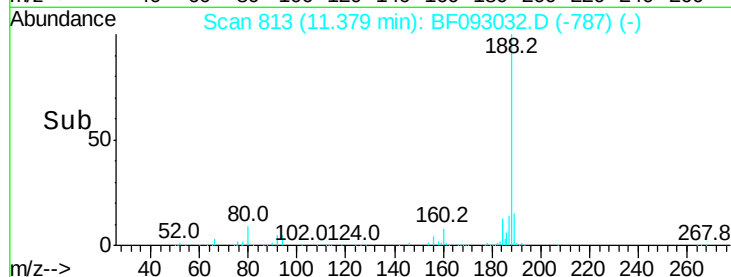
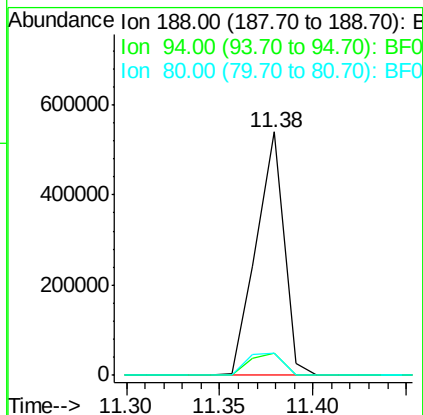
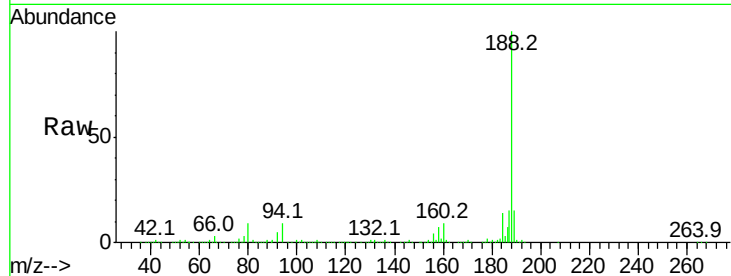
ClientSampleId :

PB97057BS

Tot Ion:	188	Resp:	559279
Ion Ratio	Lower	Upper	
188	100		
94	9.1	10.0	15.0#
80	9.3	11.2	16.8#

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#64

4,6-Dinitro-2-methylphenol

Concen: 46.92 ng

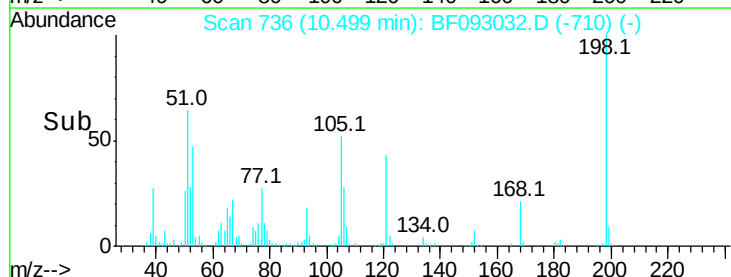
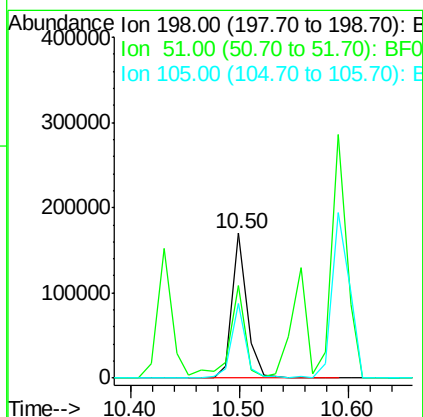
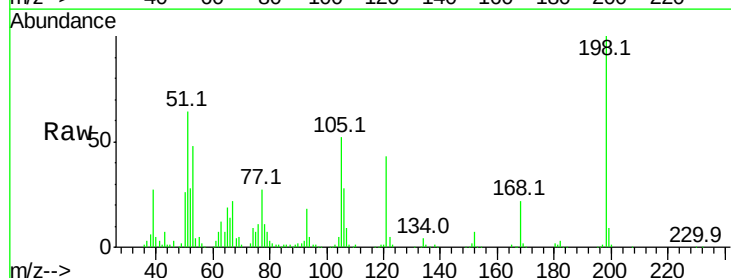
RT: 10.50 min Scan# 736

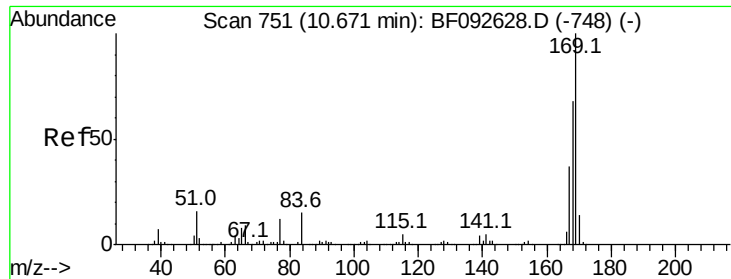
Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	198	Resp:	159496
Ion Ratio	Lower	Upper	
198	100		
51	63.8	6.7	46.7#
105	51.8	16.6	56.6





#65

n-Nitrosodiphenylamine

Concen: 42.56 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

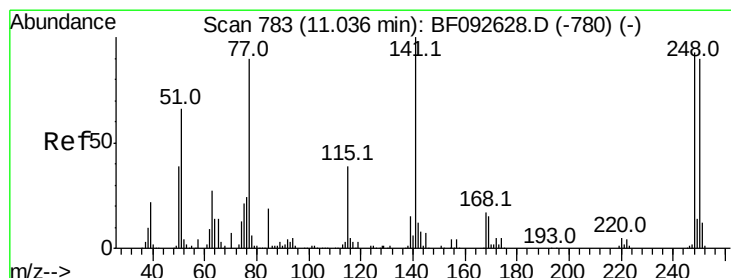
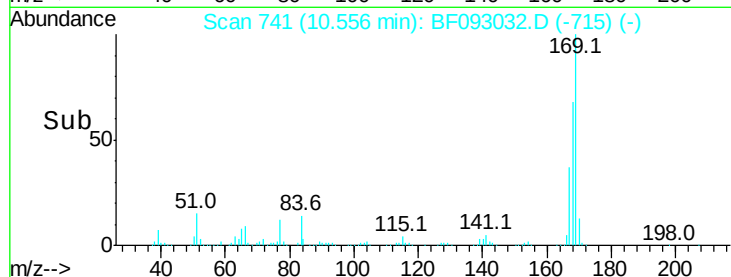
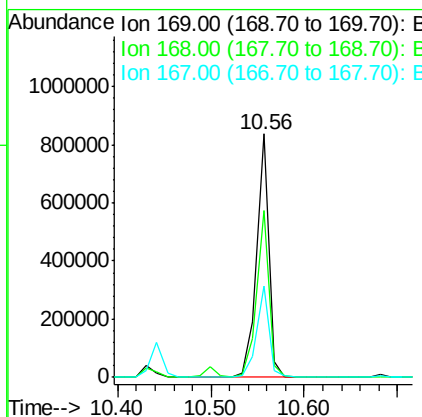
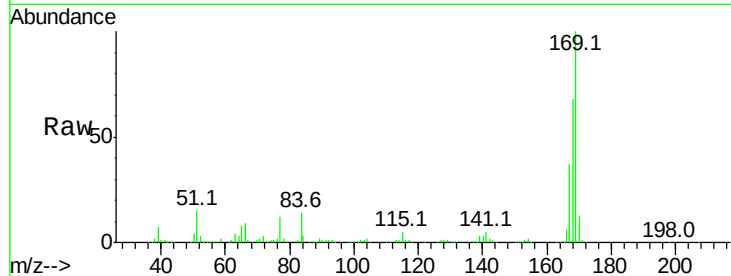
ClientSampleId :

PB97057BS

Tot Ion:	169	Resp:	760355
Ion Ratio	Lower	Upper	
169	100		
168	68.3	54.2	81.2
167	37.4	30.2	45.4

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#66

4-Bromophenyl-phenylether

Concen: 39.58 ng

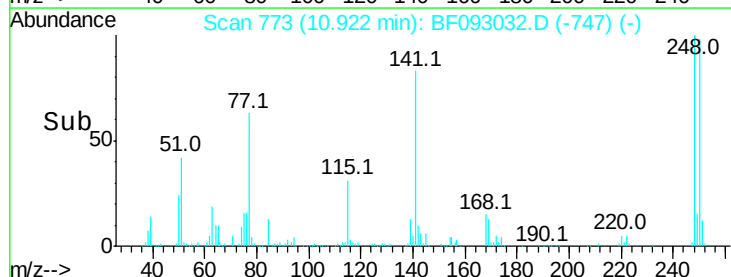
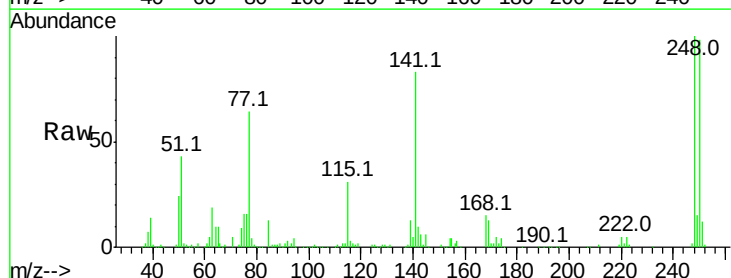
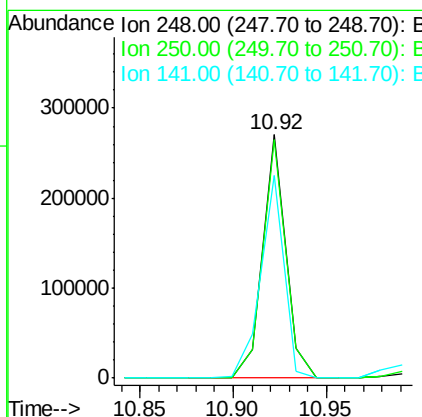
RT: 10.92 min Scan# 773

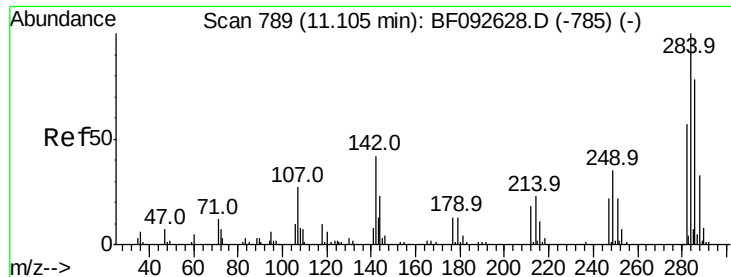
Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	248	Resp:	231283
Ion Ratio	Lower	Upper	
248	100		
250	98.0	76.9	115.3
141	83.4	68.2	102.4





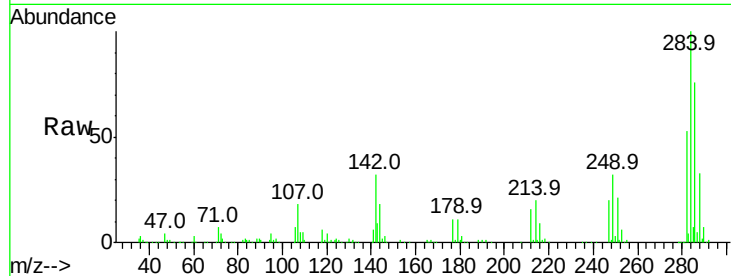
#67
Hexachlorobenzene
Concen: 41.50 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

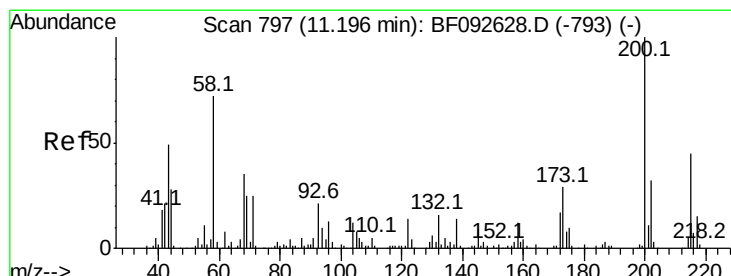
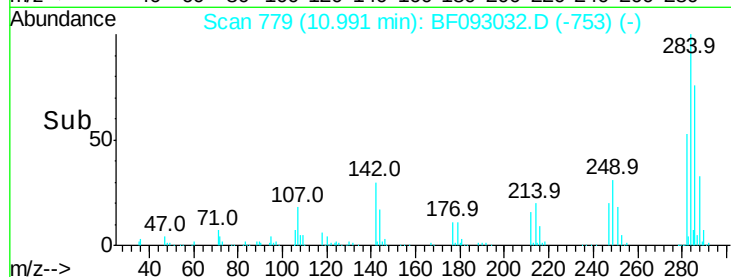
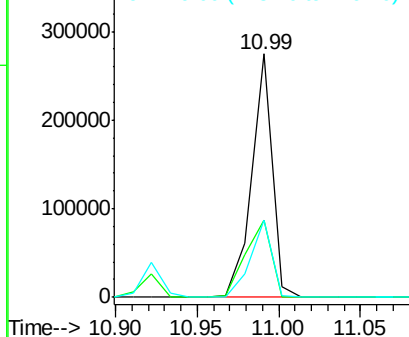
Tot Ion	Ratio	Resp	Lower	Upper
284	100	239650		
142	31.8	22.6	33.8	
249	32.0	25.4	38.0	

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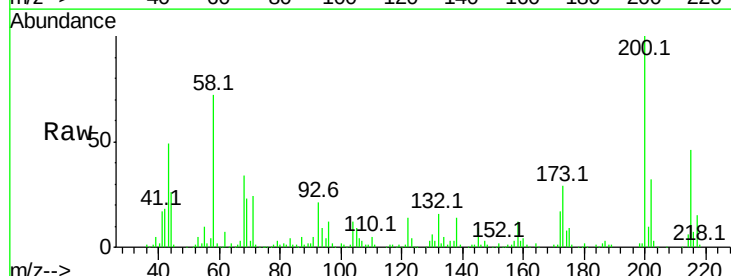


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

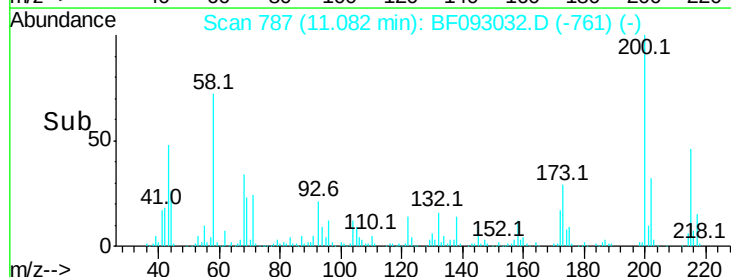
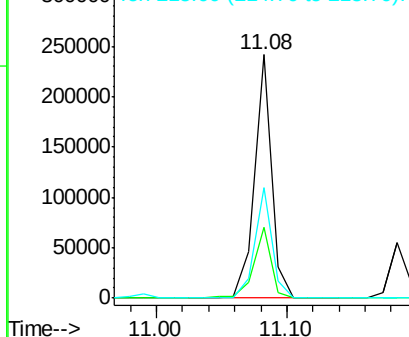


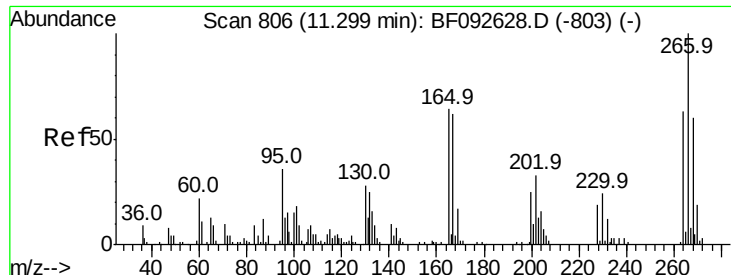
#68
Atrazine
Concen: 38.59 ng
RT: 11.08 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	221280		
173	29.0	9.6	49.6	
215	45.5	25.7	65.7	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





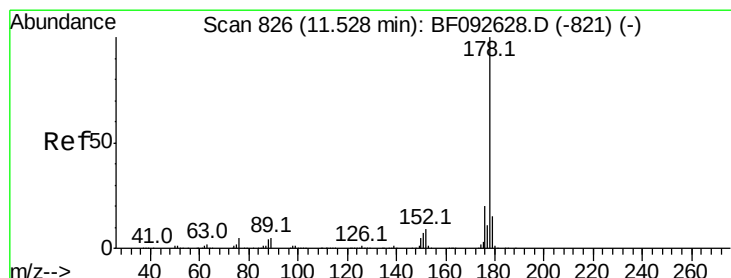
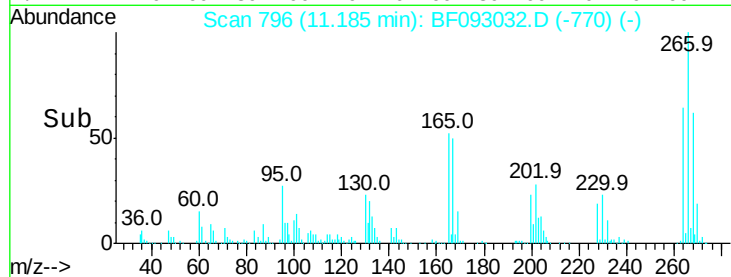
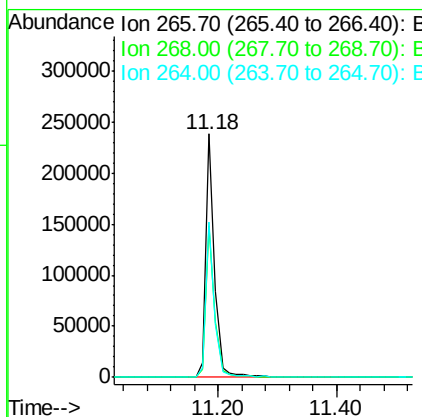
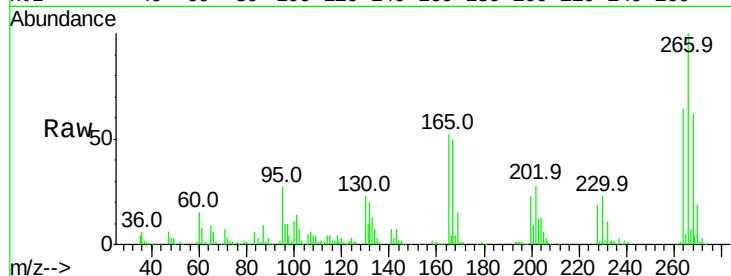
#69
 Pentachlorophenol
 Concen: 84.49 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion:	266	Resp:	253162
Ion Ratio	Lower	Upper	
266	100		
268	62.4	53.3	79.9
264	63.7	50.3	75.5

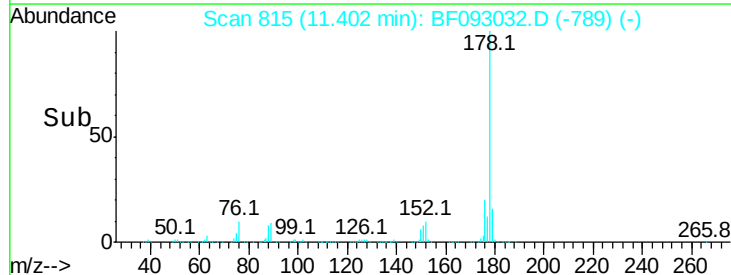
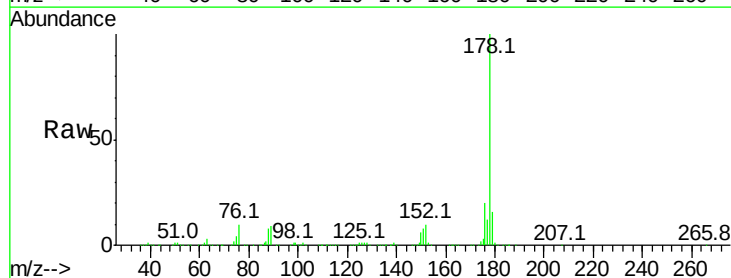
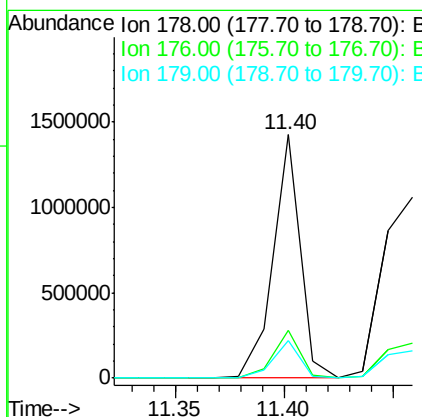
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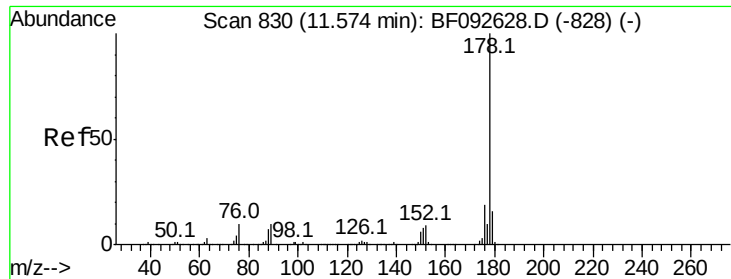
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#70
 Phenanthrene
 Concen: 39.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion:	178	Resp:	1249629
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.6	25.0
179	15.6	12.8	19.2





#71

Anthracene

Concen: 42.33 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion:178 Resp: 1362047

Ion Ratio Lower Upper

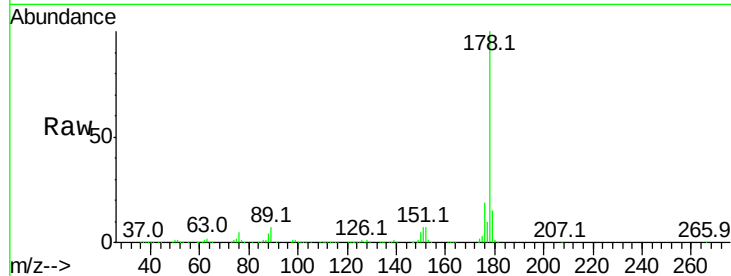
178 100

176 19.2 15.9 23.9

179 15.1 13.2 19.8

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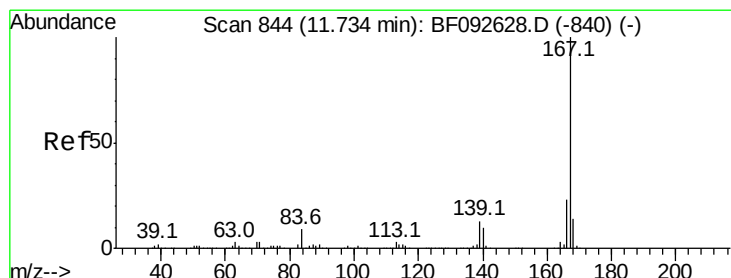
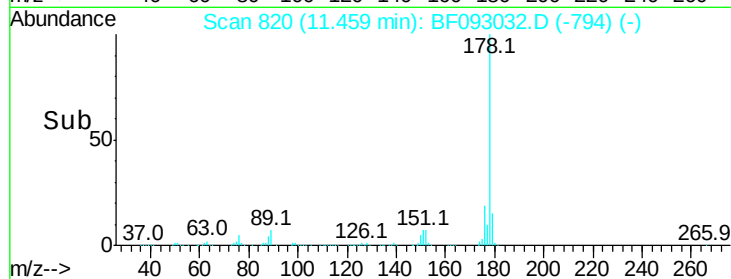
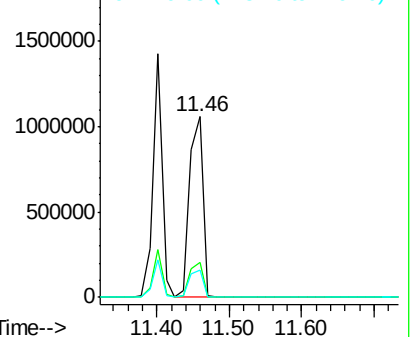
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 36.05 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

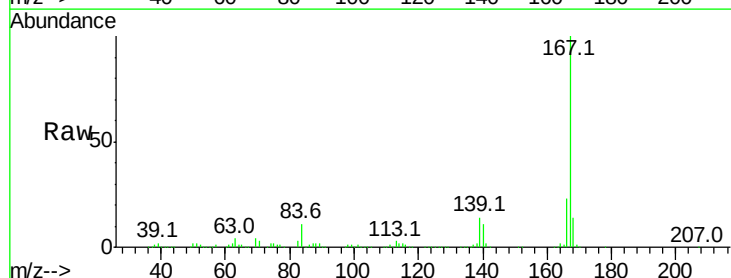
Tgt Ion:167 Resp: 1108944

Ion Ratio Lower Upper

167 100

166 22.7 18.2 27.2

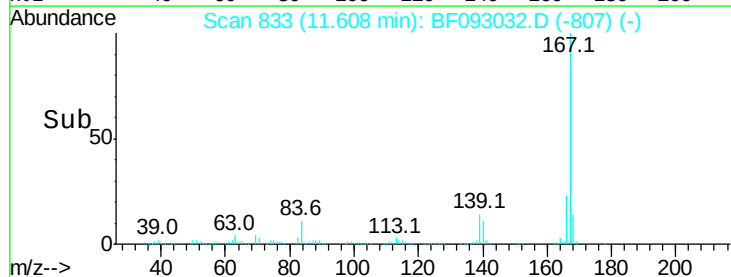
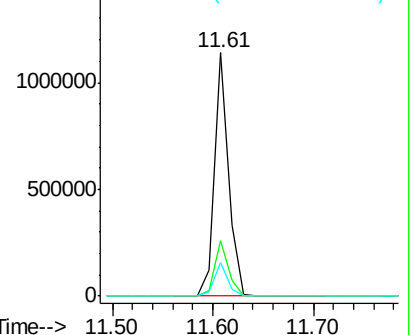
139 13.6 11.4 17.2

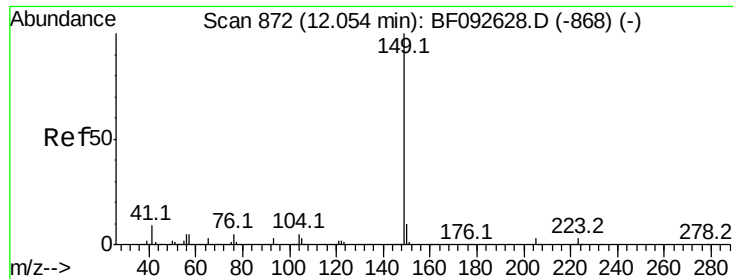


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.71 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion:149 Resp: 1520628

Ion Ratio Lower Upper

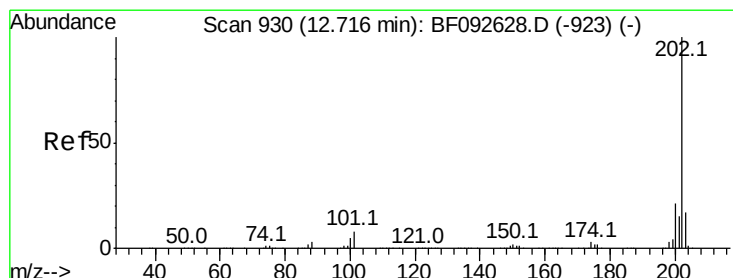
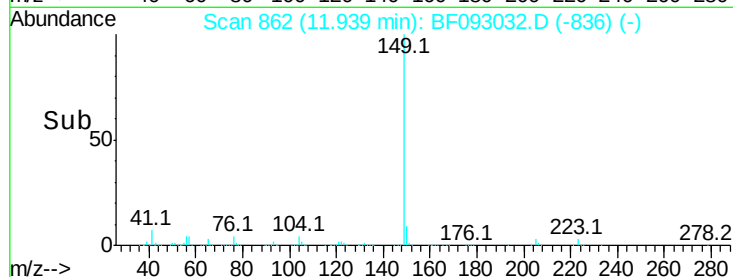
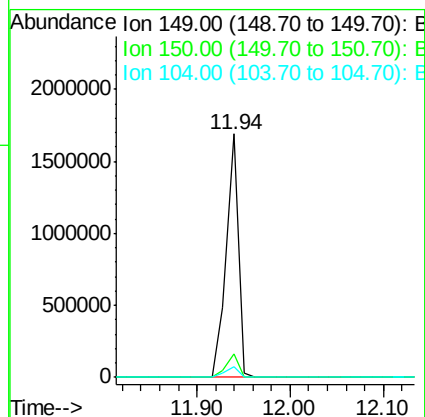
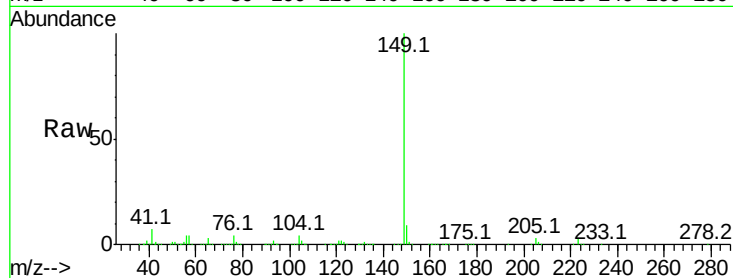
149 100

150 9.4 8.1 12.1

104 4.3 4.6 7.0#

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#74

Fluoranthene

Concen: 42.96 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

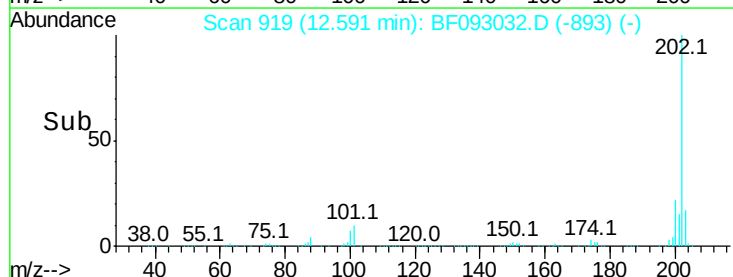
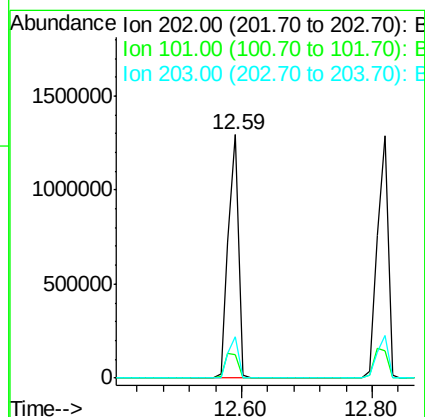
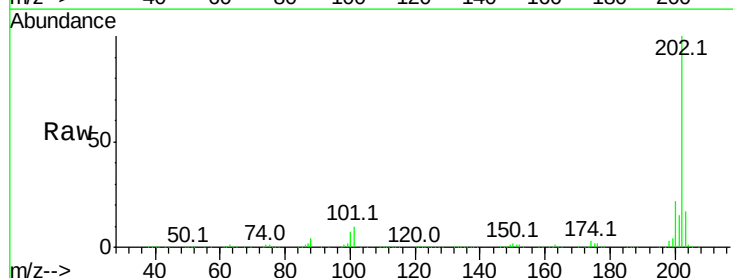
Tgt Ion:202 Resp: 1419906

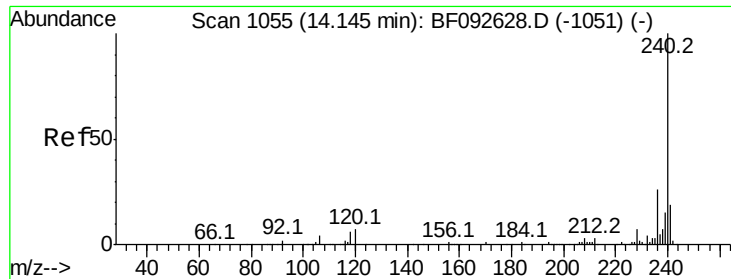
Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.6

203 17.3 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

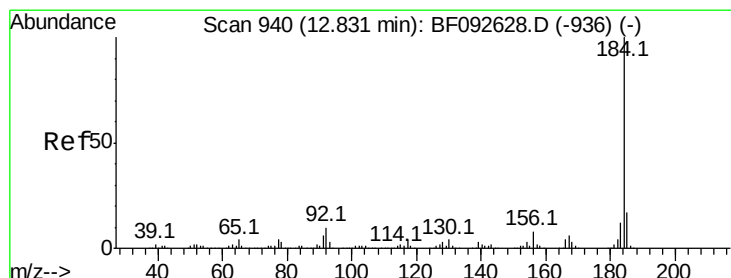
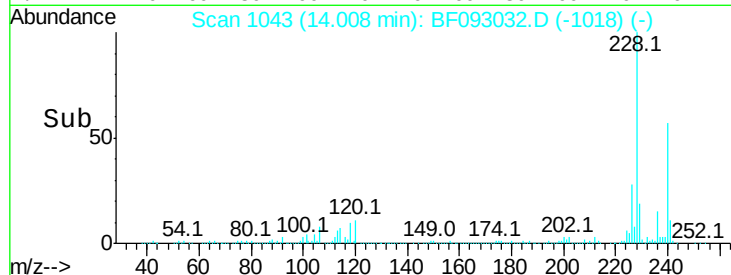
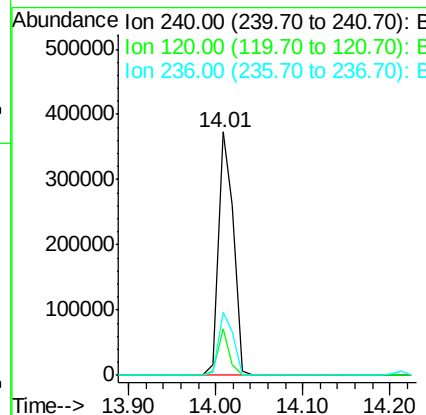
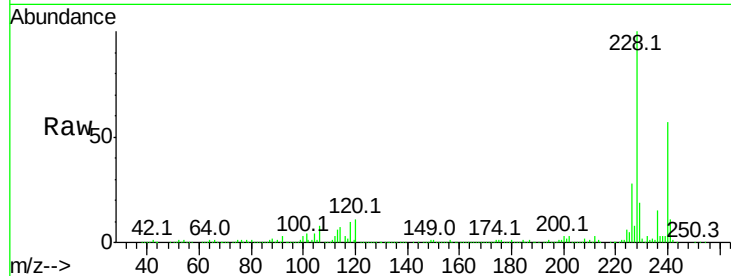
ClientSampleId :

PB97057BS

Tot Ion:	240	Resp:	453539
Ion Ratio	Lower	Upper	
240	100		
120	19.3	12.9	19.3
236	25.7	20.9	31.3

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#76

Benzidine

Concen: 19.55 ng

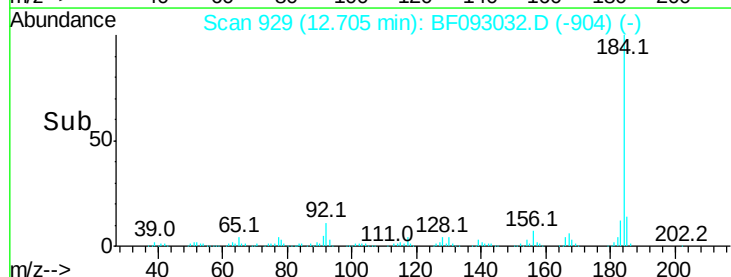
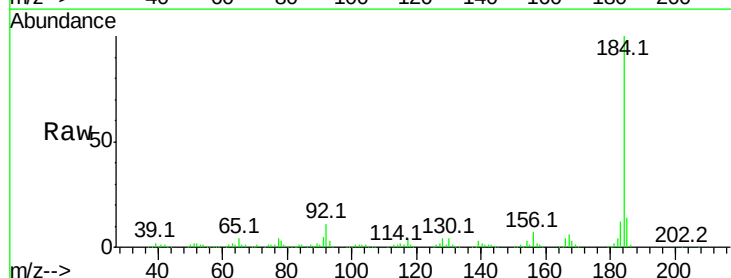
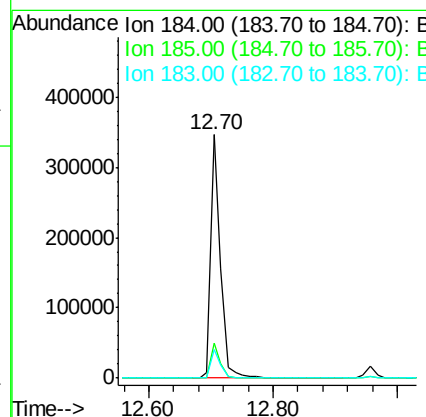
RT: 12.70 min Scan# 929

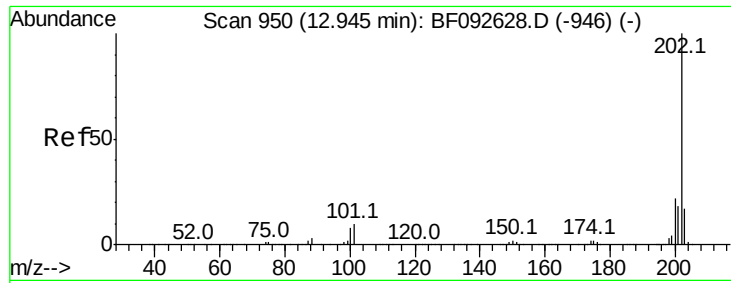
Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:	184	Resp:	377777
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.4	20.0
183	11.8	9.2	13.8





#77

Pvrene

Concen: 42.44 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Instrument :

BNA_F

ClientSampleId :

PB97057BS

Tot Ion:202 Resp: 1440543

Ion Ratio Lower Upper

202 100

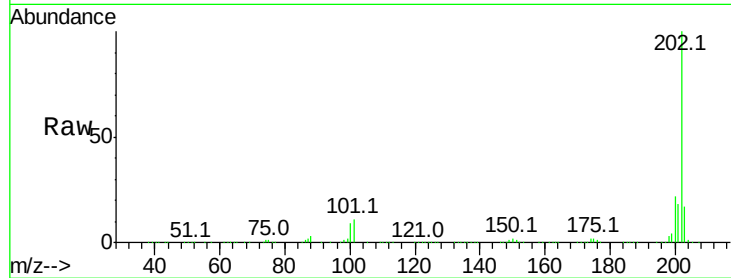
200 22.0 17.7 26.5

203 17.4 14.7 22.1

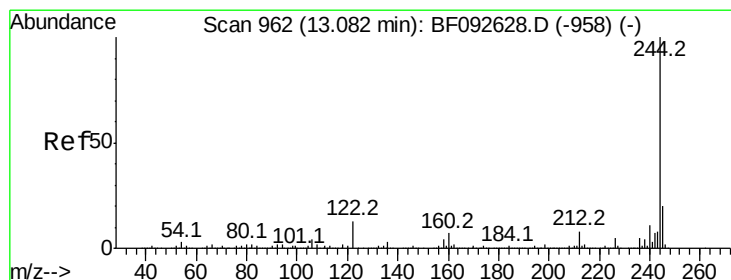
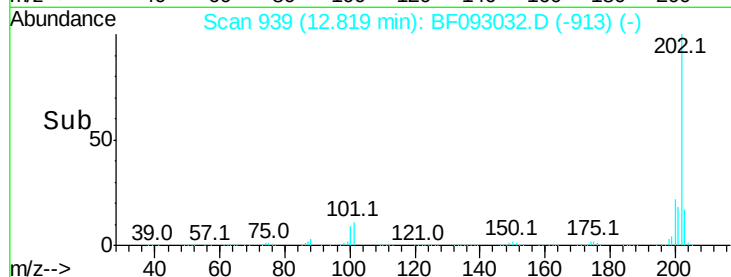
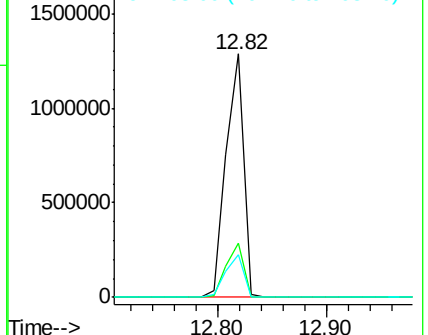
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.31 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

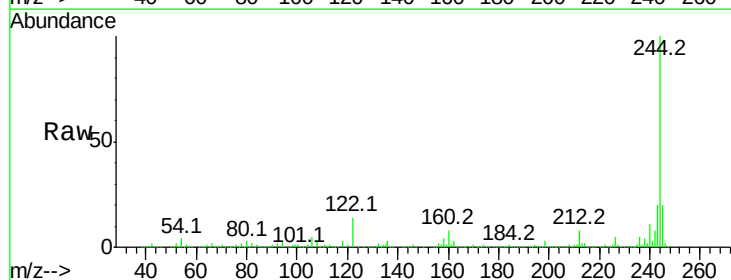
Tgt Ion:244 Resp: 1415064

Ion Ratio Lower Upper

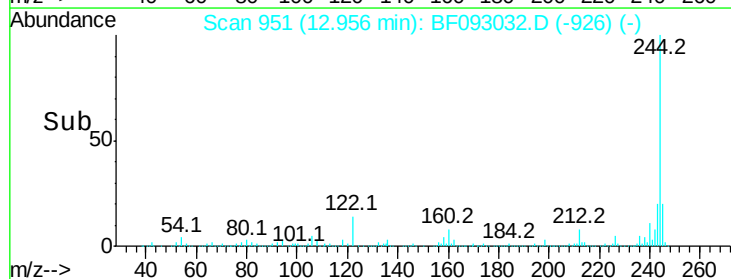
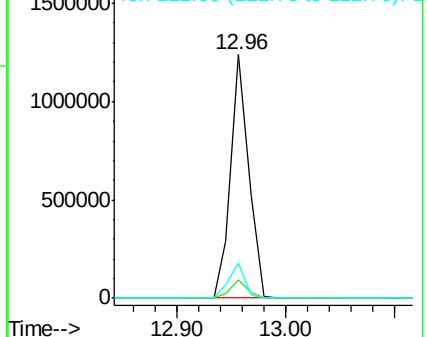
244 100

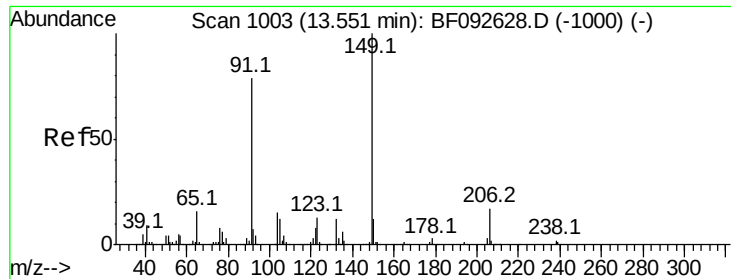
212 7.7 6.2 9.2

122 14.4 11.4 17.2



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





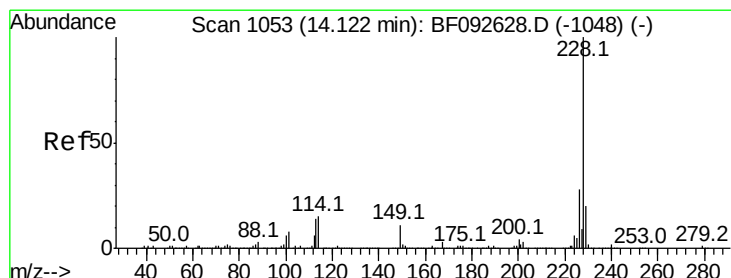
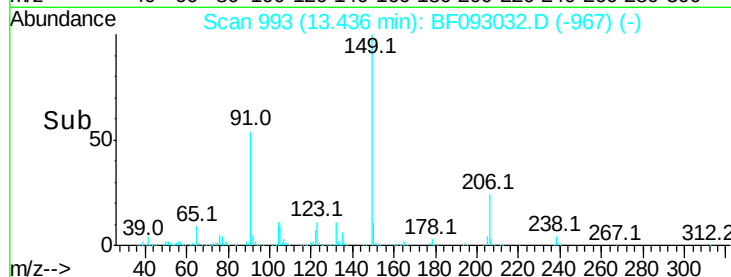
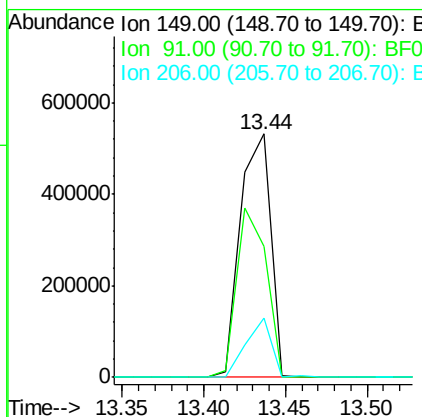
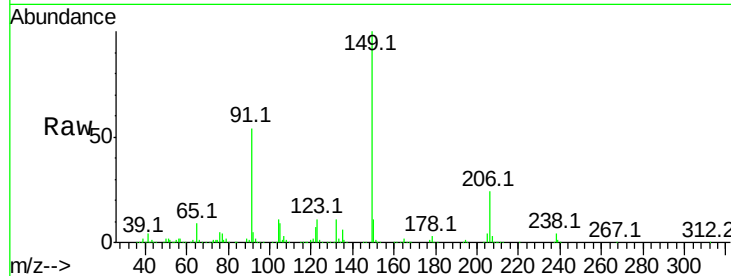
#79
Butylbenzylphthalate
Concen: 49.56 ng
RT: 13.44 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	683133		
91	53.6	63.9	95.9#	
206	24.2	14.6	21.8#	

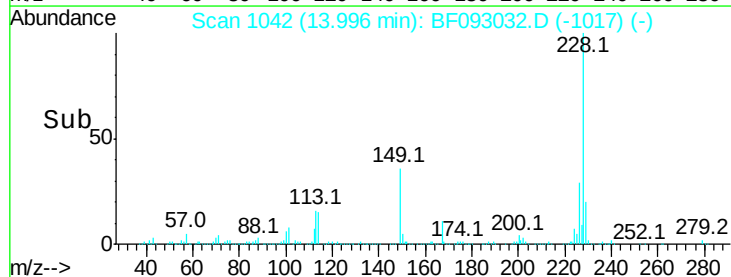
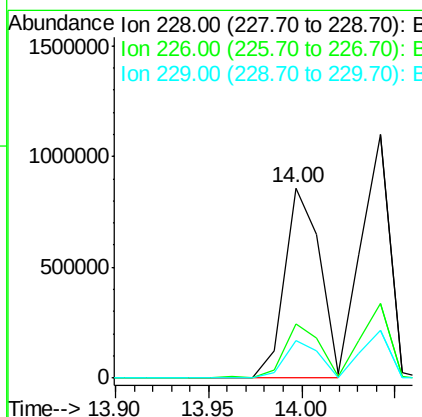
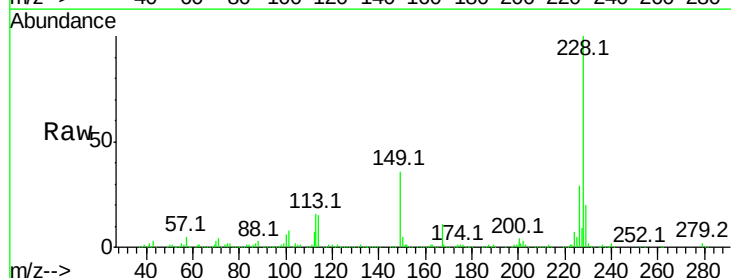
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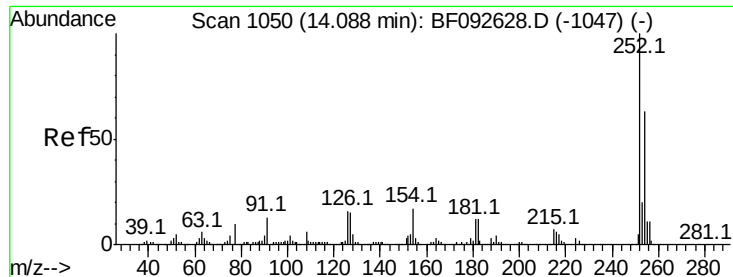
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#80
Benzo(a)anthracene
Concen: 40.93 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1135313		
226	28.7	22.4	33.6	
229	19.9	16.2	24.4	





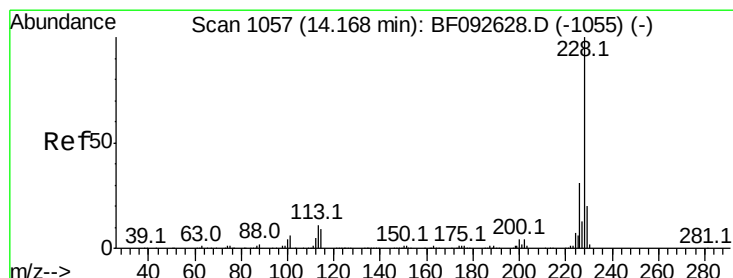
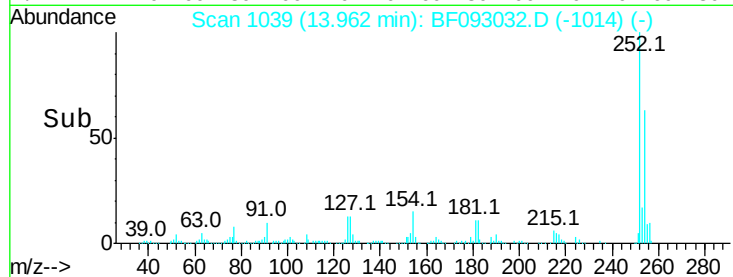
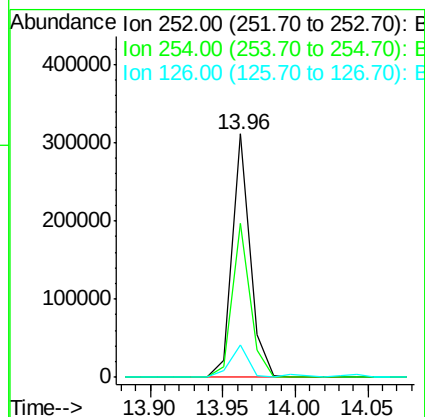
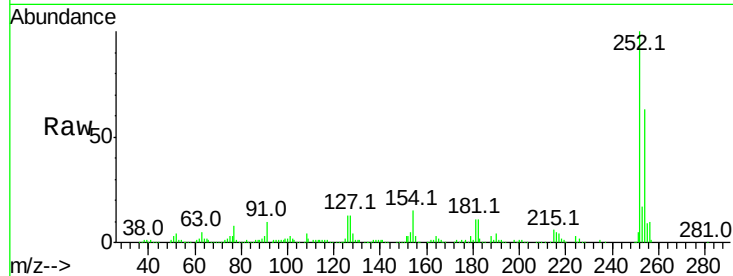
#81
 3,3'-Dichlorobenzidine
 Concen: 27.24 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	269317		
254	63.2		52.3	78.5
126	13.1		13.6	20.4

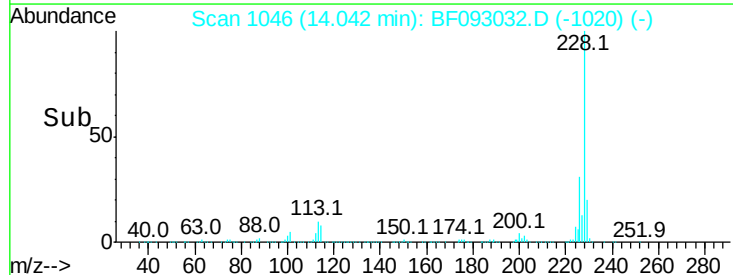
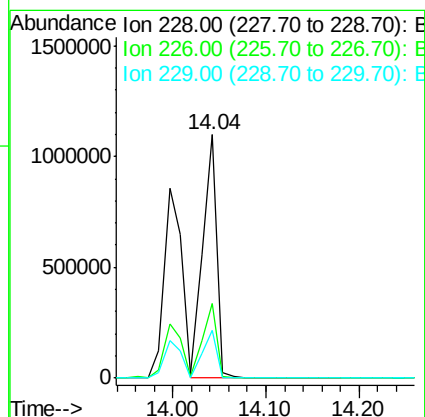
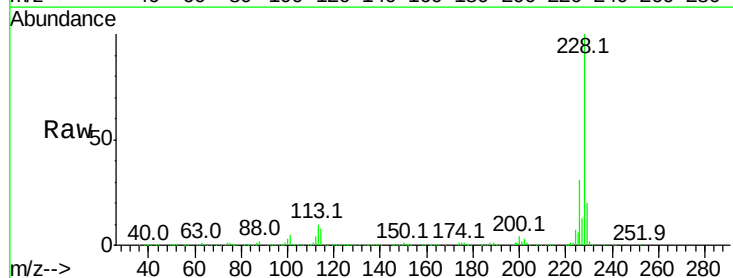
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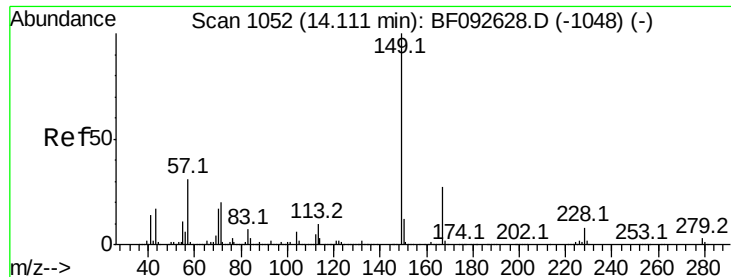
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#82
 Chrysene
 Concen: 44.73 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1161812		
226	30.6		25.4	38.0
229	19.6		16.2	24.2





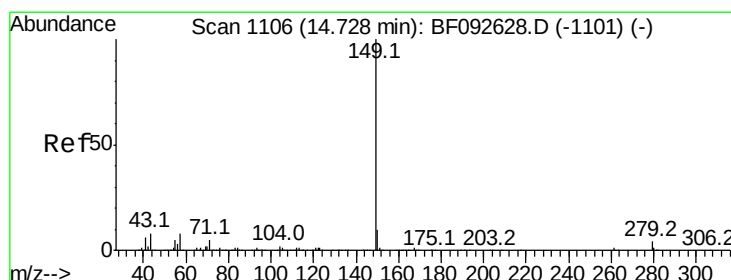
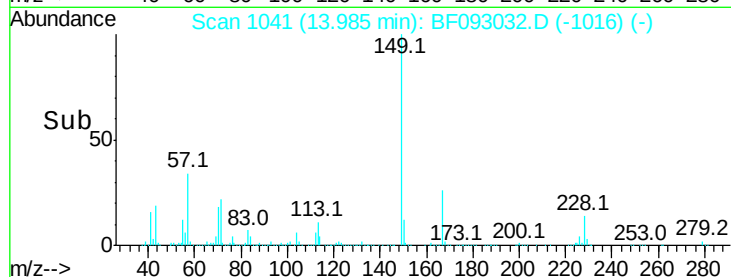
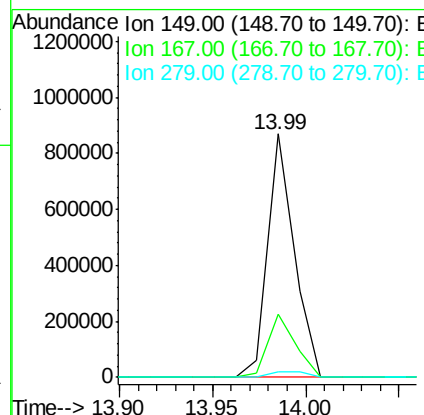
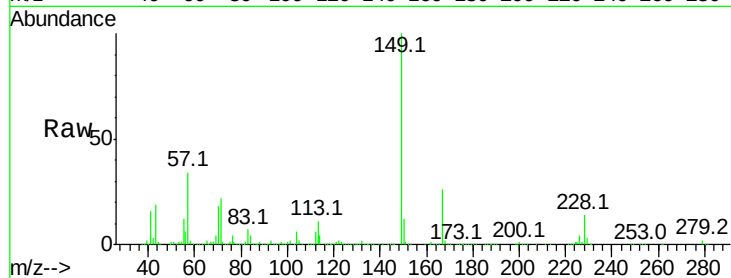
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.37 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	855288		
167	25.7		20.2	30.4
279	2.2		1.8	2.8

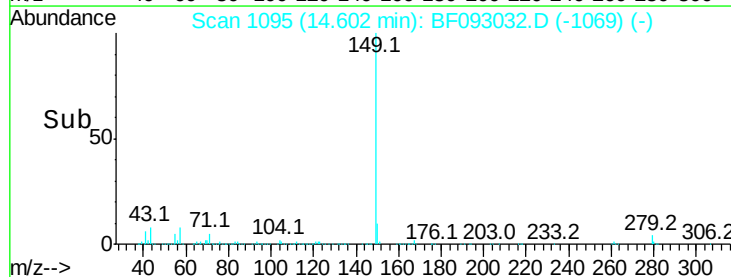
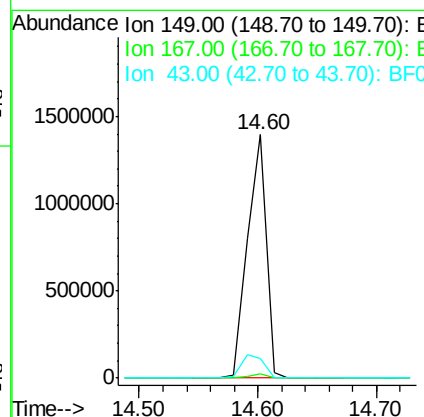
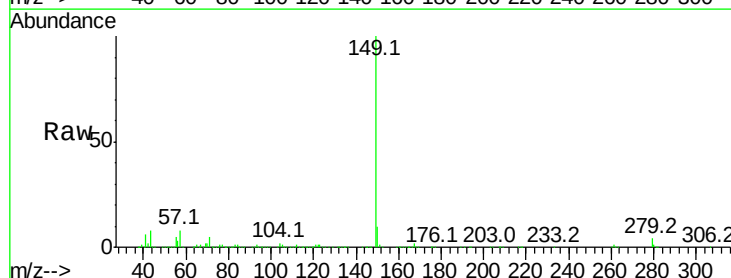
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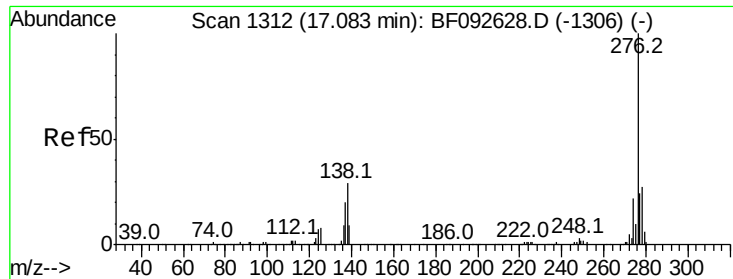
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#84
 Di-n-octyl phthalate
 Concen: 50.36 ng
 RT: 14.60 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1545672		
167	1.7		1.3	1.9
43	11.1		8.9	13.3





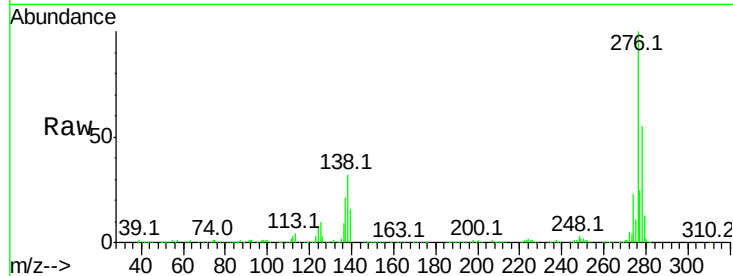
#85
Indeno(1,2,3-cd)pyrene
Concen: 44.13 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

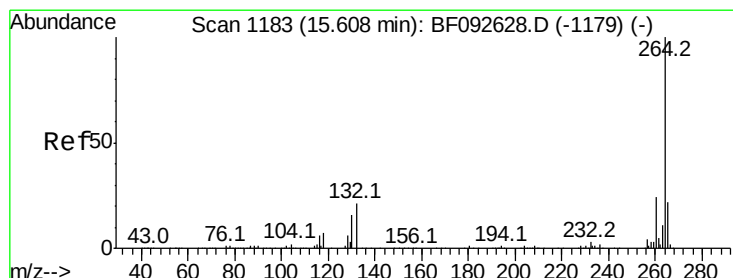
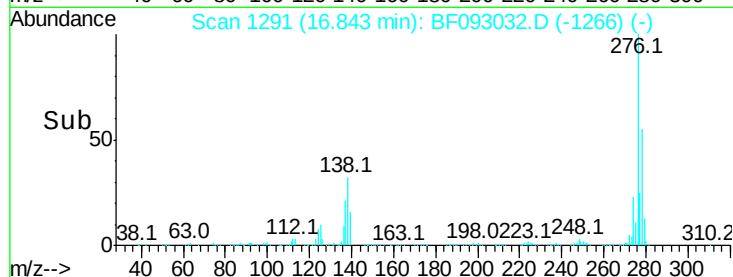
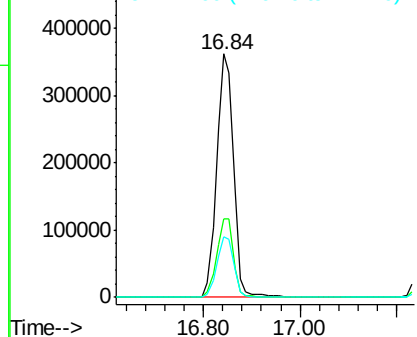
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.6	21.8	32.6
277	25.2	20.2	30.4

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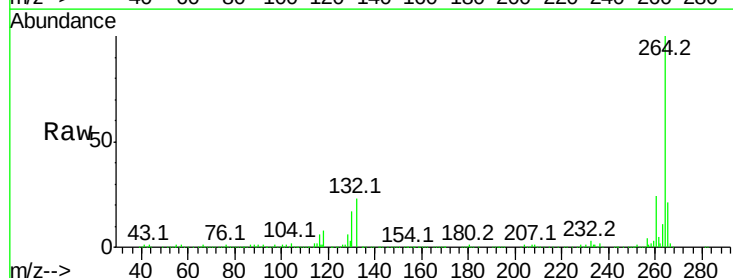


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

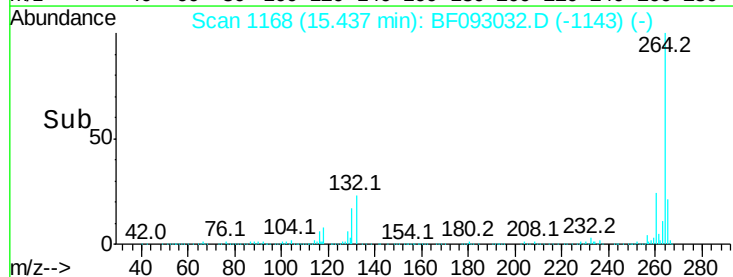
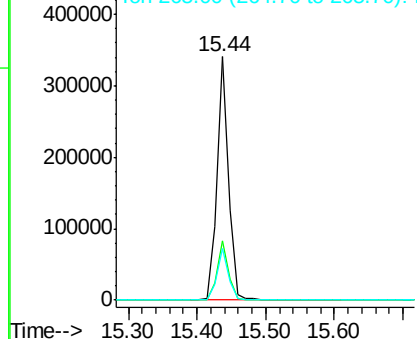


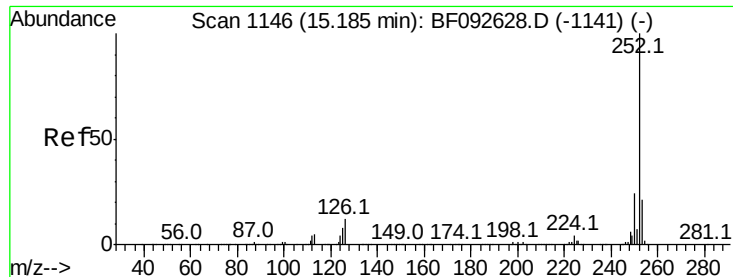
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.0	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 47.20 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

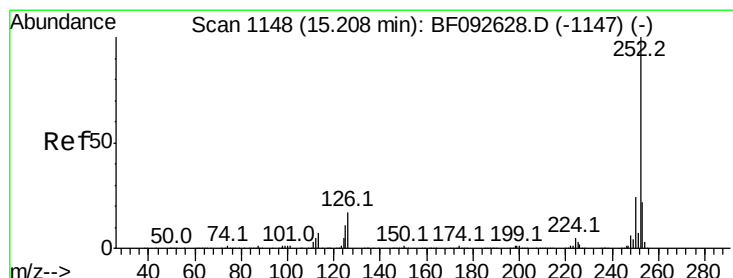
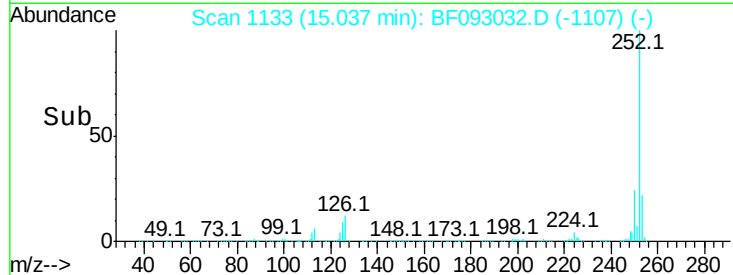
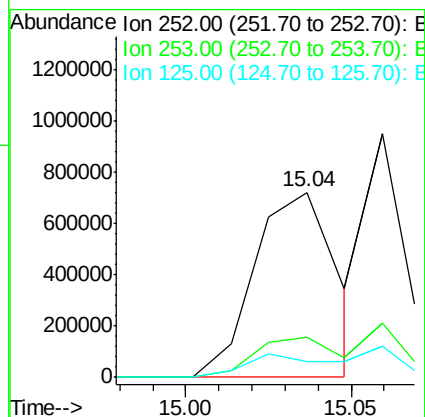
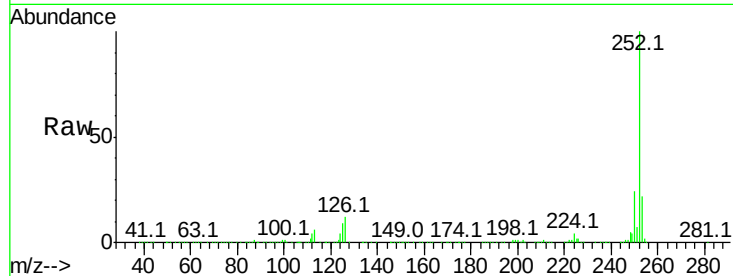
Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion:252 Resp: 1253606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	8.7	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 34.44 ng m

RT: 15.06 min Scan# 1135

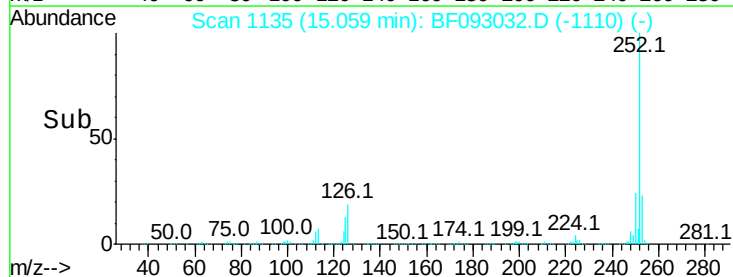
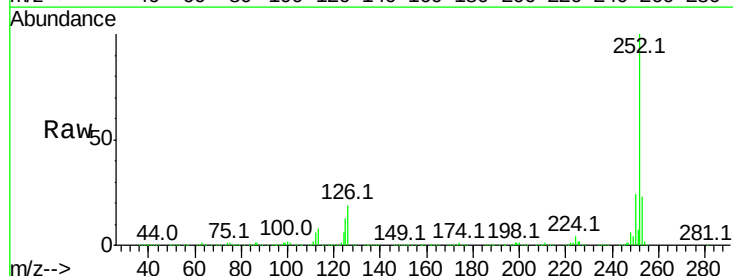
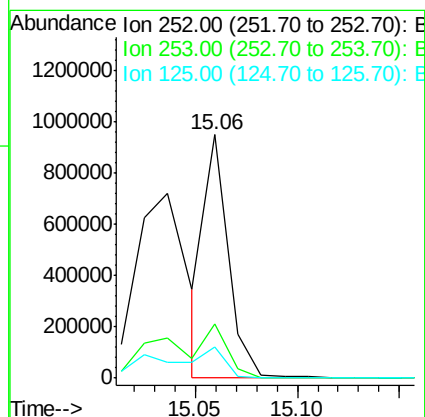
Delta R.T. -0.01 min

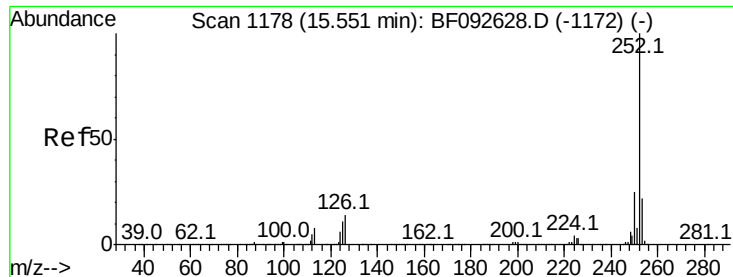
Lab File: BF093032.D

Acq: 20 Feb 2017 17:03

Tgt Ion:252 Resp: 789735

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	12.6	8.9	13.3





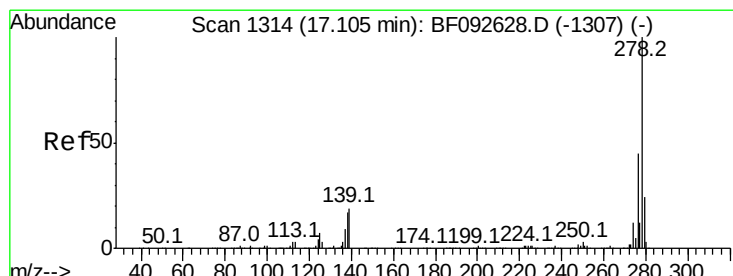
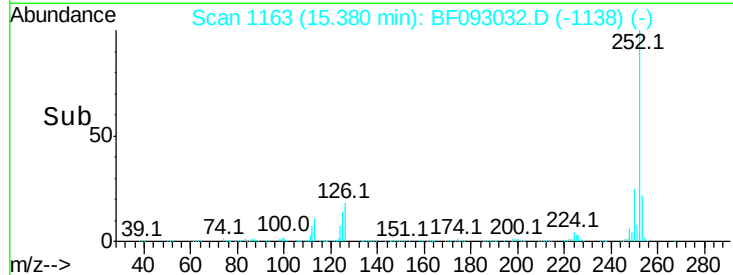
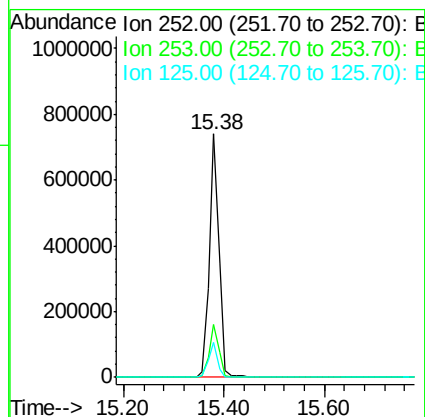
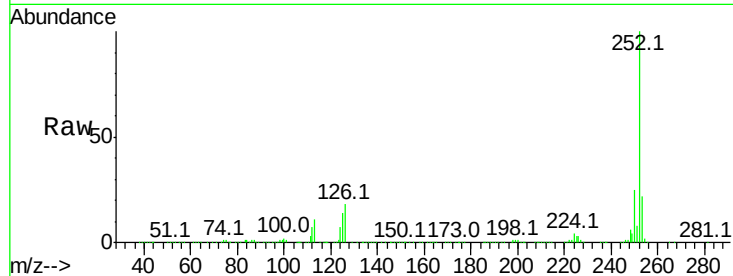
#89
Benzo(a)pyrene
Concen: 42.41 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Instrument :
BNA_F
ClientSampleId :
PB97057BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	14.2	10.0	15.0

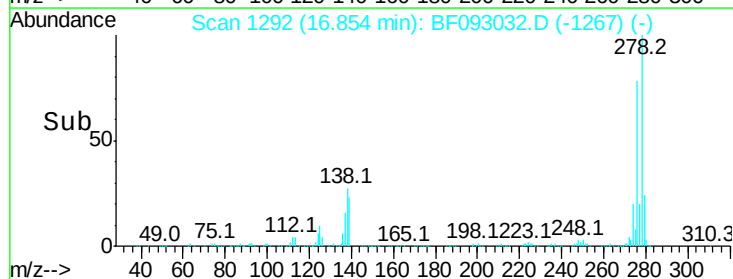
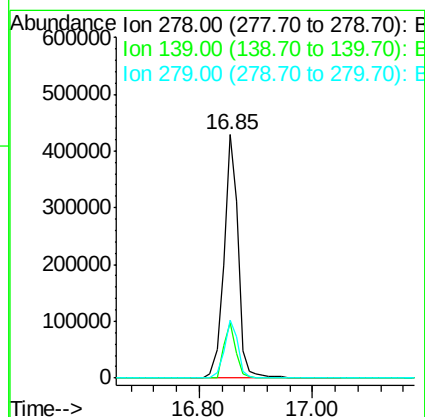
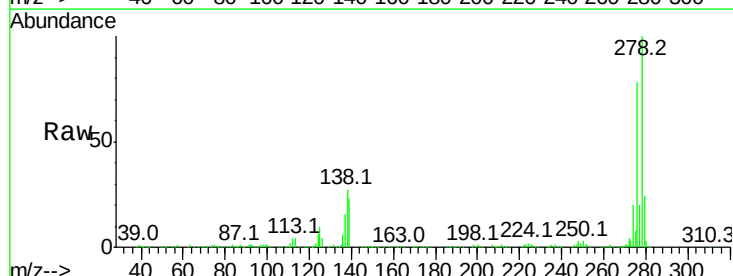
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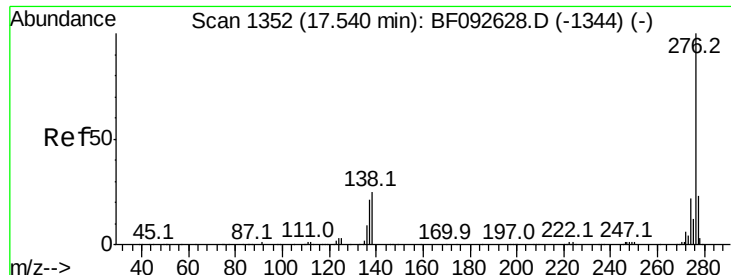
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#90
Dibenzo(a,h)anthracene
Concen: 40.06 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093032.D
Acq: 20 Feb 2017 17:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	14.8	22.2#
279	23.8	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 39.05 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093032.D
 Acq: 20 Feb 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB97057BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	30.0	16.0	24.0

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