

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022217\
 Data File : BF093076.D
 Acq On : 22 Feb 2017 15:39
 Operator : SJ/MA
 Sample : PB97102BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Manual Integrations
 APPROVED

mohammad
 2/23/2017 1:16:00 PM

Quant Time: Feb 23 00:11:33 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	168113	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	636696	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	303029	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	565302	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	495905	20.00	ng	-0.02
86) Perylene-d12	15.41	264	338607	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1191841	121.63	ng	0.00
7) Phenol-d6	6.49	99	1442263	114.39	ng	0.00
23) Nitrobenzene-d5	7.41	82	951462	83.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	308835	140.91	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1476137	88.25	ng	-0.02
78) Terphenyl-d14	12.94	244	1429506	67.73	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	186672	35.26	ng	# 84
3) Pyridine	3.21	79	527113	39.15	ng	89
4) n-Nitrosodimethylamine	3.16	42	254755	40.30	ng	87
6) Aniline	6.51	93	289049	16.81	ng	# 45
8) 2-Chlorophenol	6.62	128	427317	39.53	ng	95
9) Benzaldehyde	6.38	77	66047	7.31	ng	92
10) Phenol	6.50	94	611998	41.49	ng	80
11) bis(2-Chloroethyl)ether	6.58	93	434846	36.93	ng	92
12) 1,3-Dichlorobenzene	6.77	146	487009m	38.46	ng	
13) 1,4-Dichlorobenzene	6.85	146	497153	38.79	ng	98
14) 1,2-Dichlorobenzene	7.01	146	468798	38.26	ng	95
15) Benzyl Alcohol	6.99	79	361885	38.77	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	801462	39.18	ng	96
17) 2-Methylphenol	7.10	107	363258	39.17	ng	96
18) Hexachloroethane	7.34	117	165296	37.78	ng	# 89
19) n-Nitroso-di-n-propylamine	7.26	70	325057	40.50	ng	# 94
20) 3+4-Methylphenols	7.26	107	462944	41.75	ng	# 84
22) Acetophenone	7.25	105	590880	40.65	ng	# 97
24) Nitrobenzene	7.42	77	451488	38.46	ng	100
25) Isophorone	7.66	82	882783	41.43	ng	96
26) 2-Nitrophenol	7.74	139	257680	46.17	ng	92
27) 2,4-Dimethylphenol	7.79	122	440995	45.00	ng	94
28) bis(2-Chloroethoxy)methane	7.88	93	591363	41.91	ng	99
29) 2,4-Dichlorophenol	7.98	162	367542	40.21	ng	88
30) 1,2,4-Trichlorobenzene	8.06	180	386903	39.28	ng	96
31) Naphthalene	8.14	128	1221250	37.84	ng	99
32) Benzoic acid	7.93	122	227449	42.01	ng	97
33) 4-Chloroaniline	8.20	127	112464	8.88	ng	96
34) Hexachlorobutadiene	8.26	225	199951	36.89	ng	99
35) Caprolactam	8.57	113	124388m	43.26	ng	
36) 4-Chloro-3-methylphenol	8.69	107	421848	44.27	ng	96
37) 2-Methylnaphthalene	8.83	142	844317	40.74	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.00	216	367358	43.19	ng	99
40) Hexachlorocyclopentadiene	8.99	237	335664	87.46	ng	98

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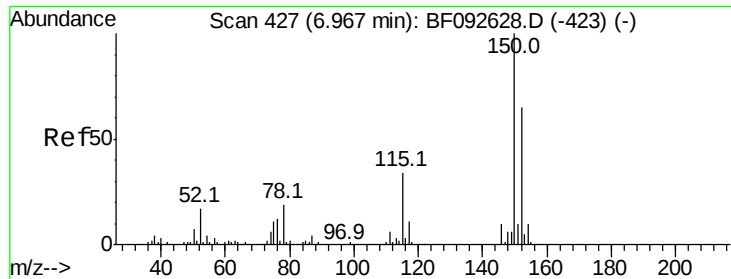
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	255571	45.72	nq	91
43) 2,4,5-Trichlorophenol	9.16	196	257147	41.99	nq	95
45) 1,1'-Biphenyl	9.30	154	980441	44.68	nq	97
46) 2-Chloronaphthalene	9.32	162	762822	44.44	nq	96
47) 2-Nitroaniline	9.42	65	269362	46.67	nq	97
48) Acenaphthylene	9.73	152	1208115	40.74	nq	99
49) Dimethylphthalate	9.61	163	1003489	49.16	nq	99
50) 2,6-Dinitrotoluene	9.66	165	189940	43.09	nq	# 77
51) Acenaphthene	9.90	154	700178	39.49	nq	97
52) 3-Nitroaniline	9.84	138	94467	18.73	nq	83
53) 2,4-Dinitrophenol	9.95	184	224574	98.96	nq	# 86
54) Dibenzofuran	10.08	168	1026382	43.28	nq	99
55) 4-Nitrophenol	10.01	139	284267	78.24	nq	94
56) 2,4-Dinitrotoluene	10.08	165	284310	48.45	nq	# 85
57) Fluorene	10.42	166	752111	41.23	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.20	232	216276	52.94	nq	97
59) Diethylphthalate	10.30	149	920571	47.86	nq	95
60) 4-Chlorophenyl-phenylether	10.42	204	374117	42.69	nq	# 74
61) 4-Nitroaniline	10.45	138	231023	44.71	nq	89
62) Azobenzene	10.58	77	990568	49.85	nq	85
64) 4,6-Dinitro-2-methylphenol	10.49	198	147049	43.03	nq	87
65) n-Nitrosodiphenylamine	10.53	169	692170	38.33	nq	99
66) 4-Bromophenyl-phenylether	10.90	248	216633	36.68	nq	95
67) Hexachlorobenzene	10.97	284	219960	37.69	nq	# 88
68) Atrazine	11.06	200	226687	39.12	nq	99
69) Pentachlorophenol	11.17	266	246000	81.50	nq	97
70) Phenanthrene	11.38	178	1131339	34.93	nq	99
71) Anthracene	11.44	178	1354485	41.65	nq	98
72) Carbazole	11.60	167	1173297	37.74	nq	# 96
73) Di-n-butylphthalate	11.92	149	1301058	38.70	nq	# 97
74) Fluoranthene	12.57	202	1225872	36.70	nq	97
76) Benzidine	12.69	184	339188	16.05	nq	96
77) Pyrene	12.80	202	1267954	34.17	nq	99
79) Butylbenzylphthalate	13.41	149	605968	40.21	nq	90
80) Benzo(a)anthracene	13.99	228	1005028	33.14	nq	99
81) 3,3'-Dichlorobenzidine	13.95	252	179522	16.60	nq	# 94
82) Chrysene	14.02	228	932620	32.84	nq	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	790695	38.36	nq	# 97
84) Di-n-octyl phthalate	14.58	149	1296703	38.64	nq	99
85) Indeno(1,2,3-cd)pyrene	16.81	276	706447	32.12	nq	# 94
87) Benzo(b)fluoranthene	15.01	252	957680m	42.97	nq	
88) Benzo(k)fluoranthene	15.04	252	718443m	37.34	nq	
89) Benzo(a)pyrene	15.36	252	766018	39.73	nq	98
90) Dibenzo(a,h)anthracene	16.82	278	588341	37.76	nq	95
91) Benzo(g,h,i)perylene	17.23	276	605388	38.46	nq	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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Instrument :

BNA_F

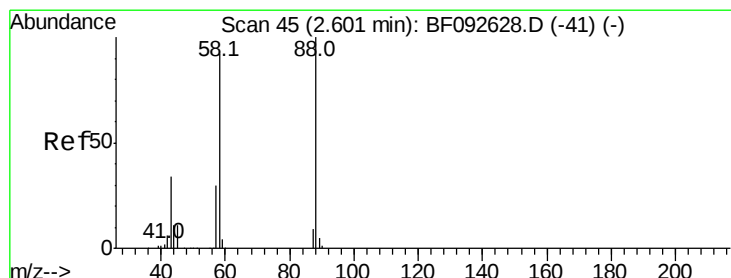
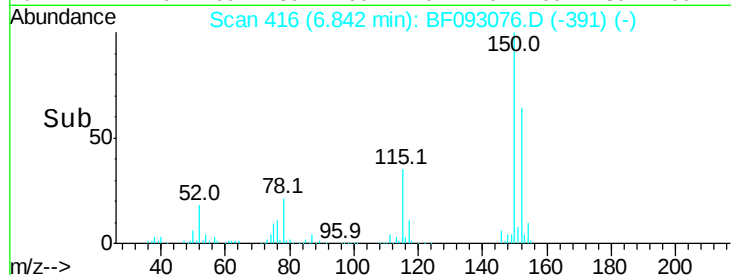
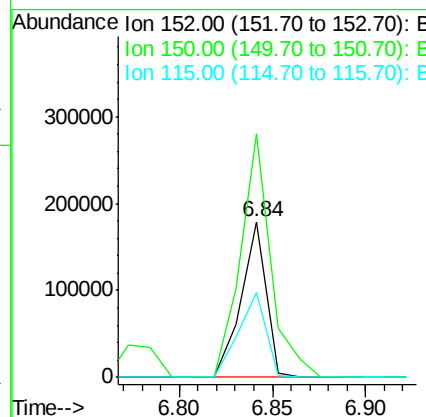
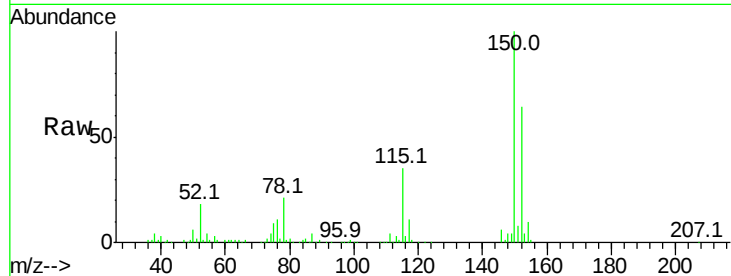
ClientSampleId :

PB97102BS

Tot Ion:	152	Resp:	168113
Ion Ratio	Lower	Upper	
152	100		
150	156.6	124.9	187.3
115	55.0	46.0	69.0

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#2

1,4-Dioxane

Concen: 35.26 ng

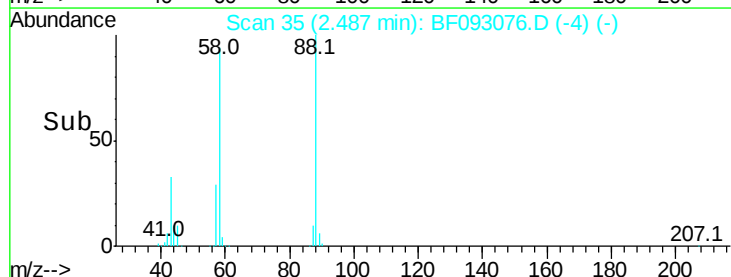
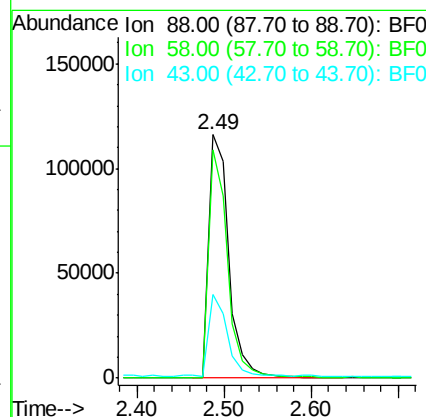
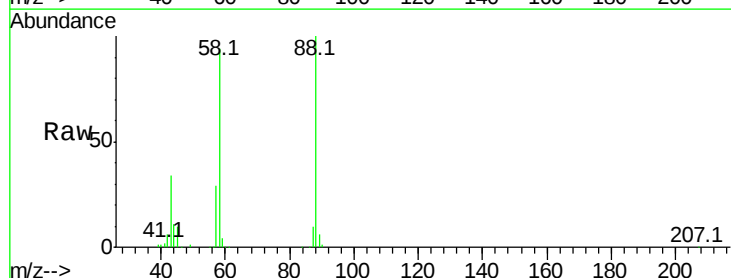
RT: 2.49 min Scan# 35

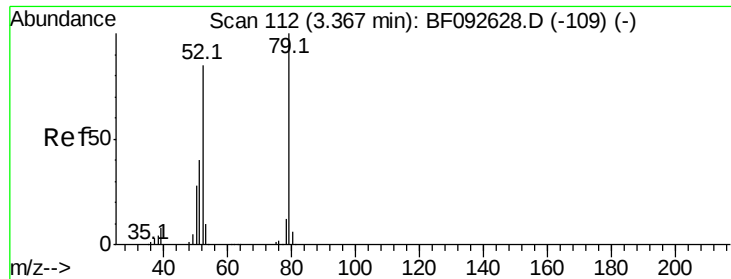
Delta R.T. 0.06 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	88	Resp:	186672
Ion Ratio	Lower	Upper	
88	100		
58	88.8	57.8	86.8#
43	30.8	22.3	33.5





#3

Pvridine

Concen: 39.15 ng

RT: 3.21 min Scan# 98

Delta R.T. 0.06 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

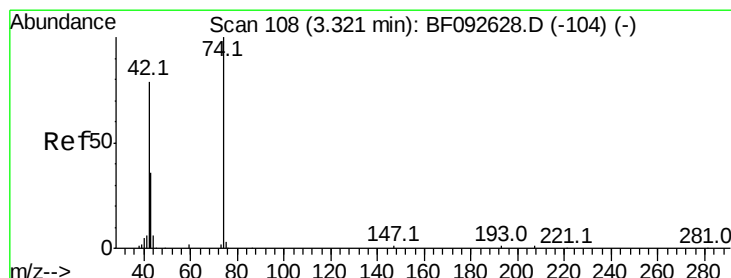
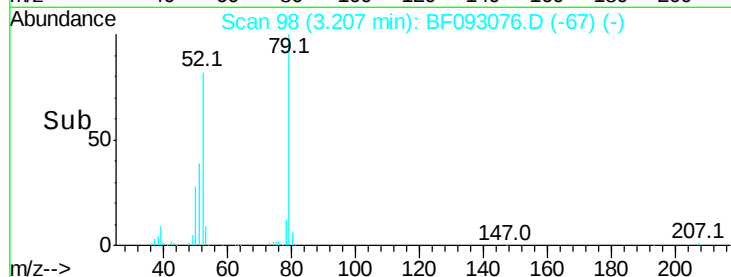
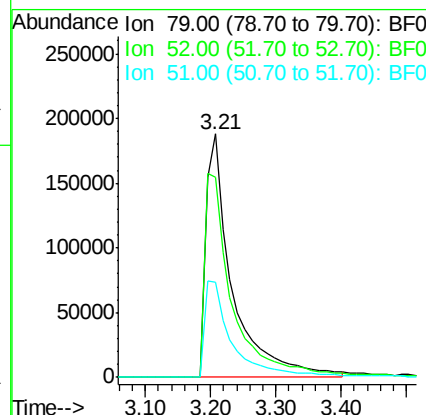
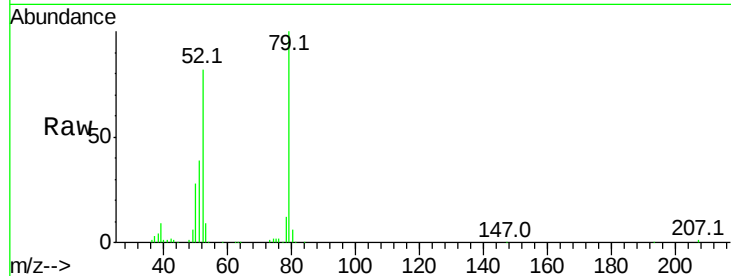
ClientSampleId :

PB97102BS

Tot Ion:	79	Resp:	527113
Ion Ratio	Lower	Upper	
79	100		
52	82.1	57.1	85.7
51	38.9	27.3	40.9

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 40.30 ng

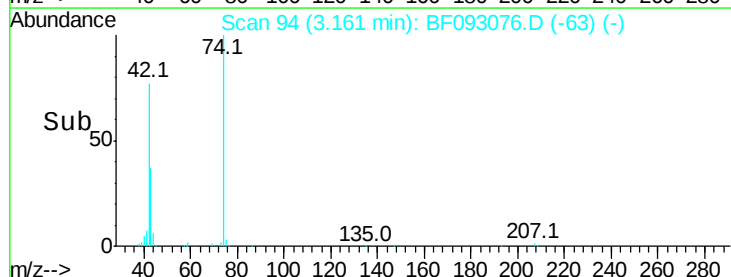
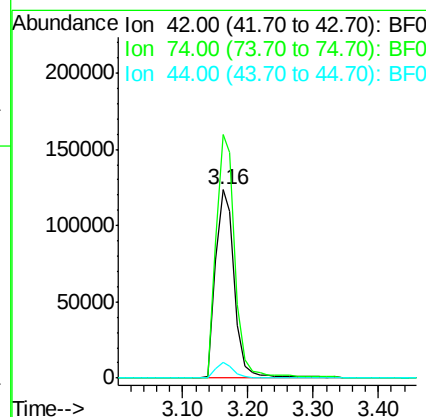
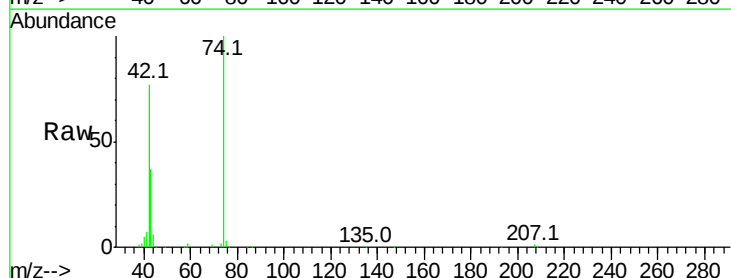
RT: 3.16 min Scan# 94

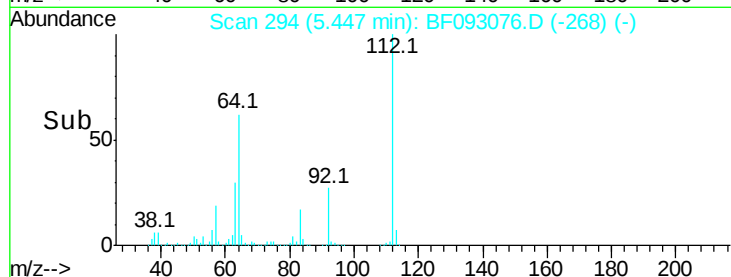
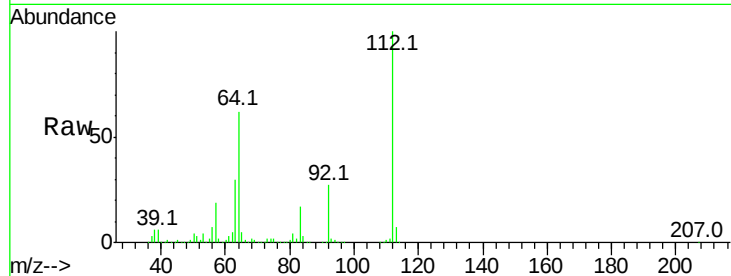
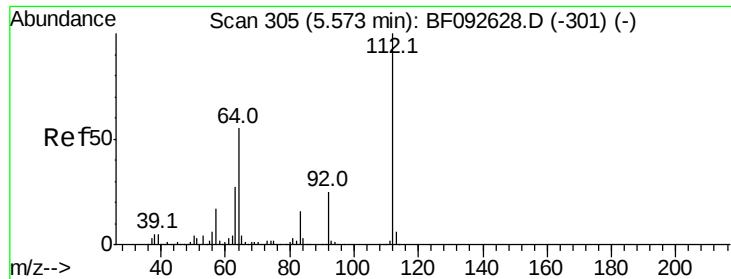
Delta R.T. 0.06 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	42	Resp:	254755
Ion Ratio	Lower	Upper	
42	100		
74	129.4	117.0	175.4
44	8.1	5.5	8.3





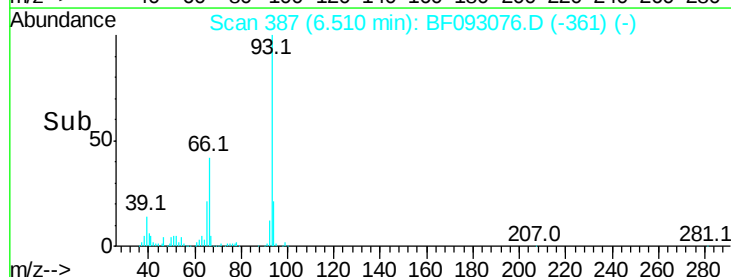
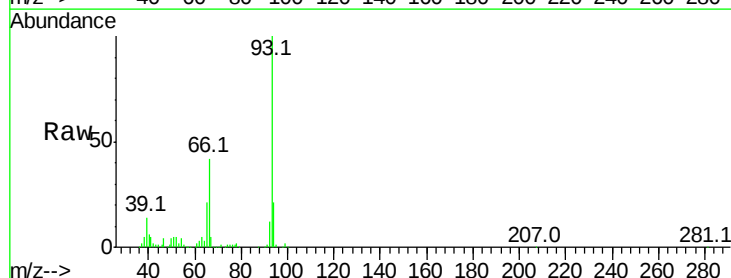
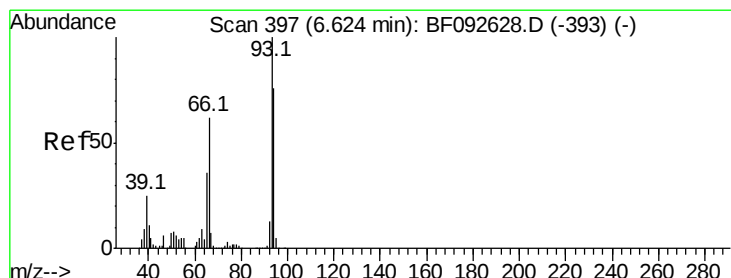
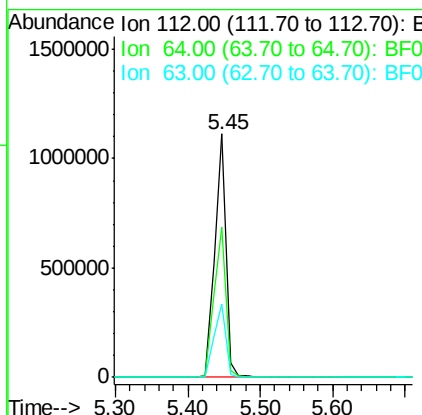
#5
2-Fluorophenol
Concen: 121.63 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tot Ion	Ratio	Resp	Lower	Upper
112	100	1191841		
64	61.9	46.1	69.1	
63	30.3	23.8	35.6	

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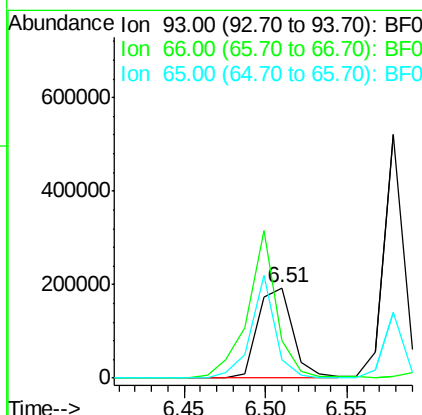
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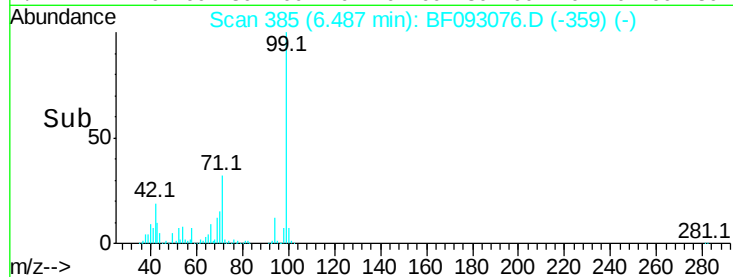
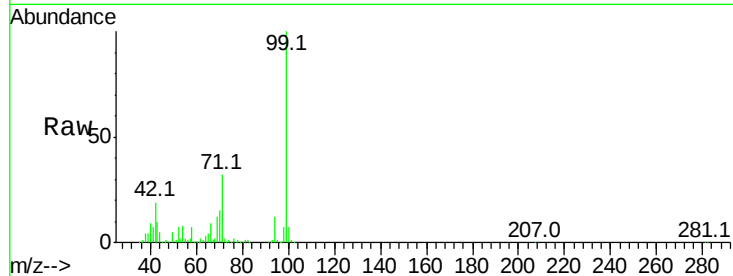
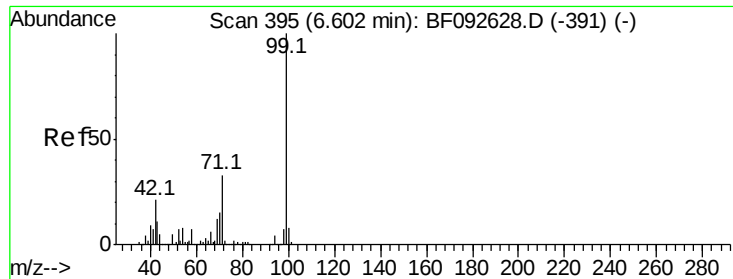
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#6
Aniline
Concen: 16.81 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.00 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	289049		
66	41.5	76.2	114.2#	
65	20.6	49.3	73.9#	





#7

Phenol-d6

Concen: 114.39 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tot Ion:	99	Resp:	1442263
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.6	23.4
71	32.4	27.5	41.3

Instrument :

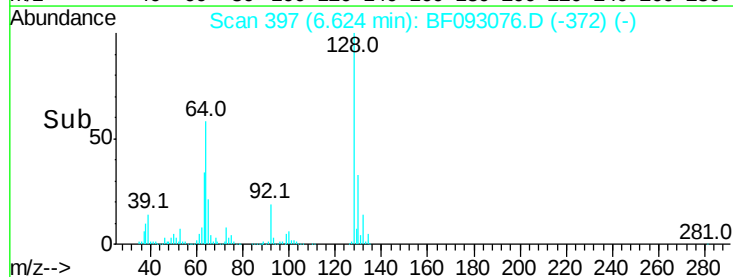
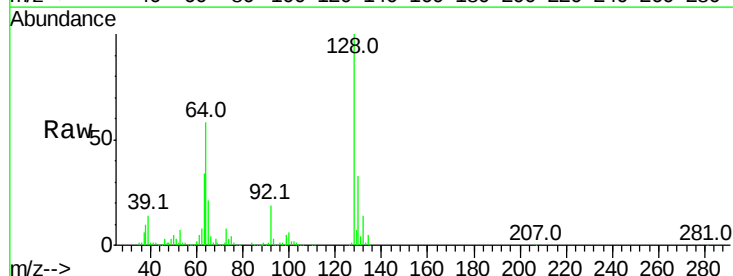
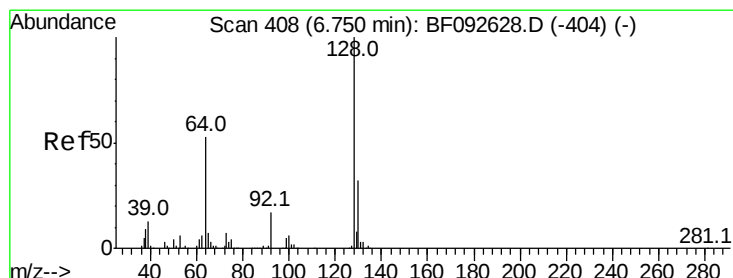
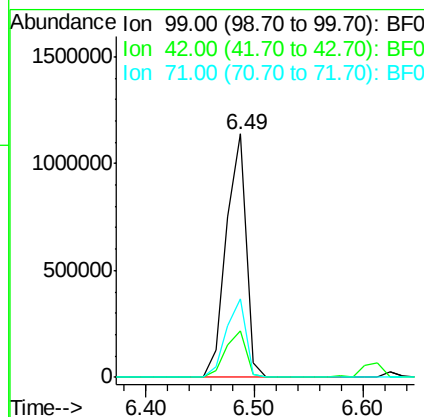
BNA_F

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Manual Integrations
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#8

2-Chlorophenol

Concen: 39.53 ng

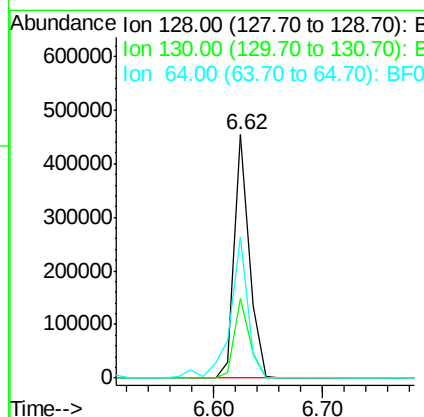
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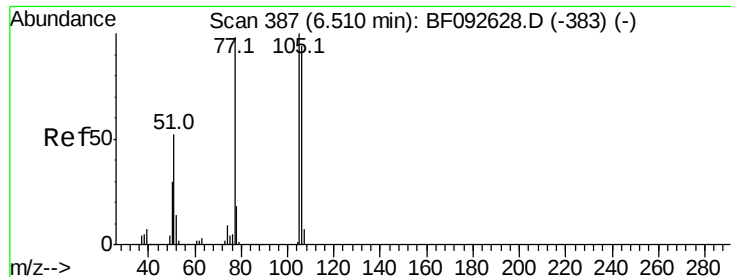
Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	128	Resp:	427317
Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	58.0	32.2	72.2





#9

Benzaldehyde

Concen: 7.31 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

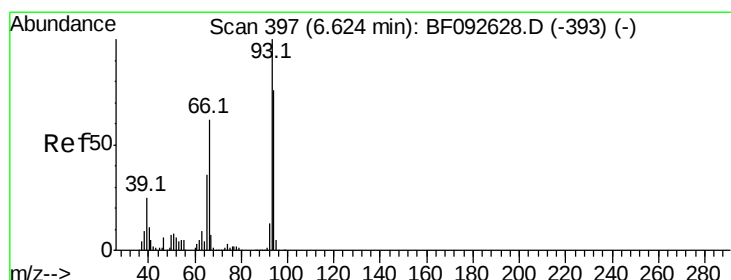
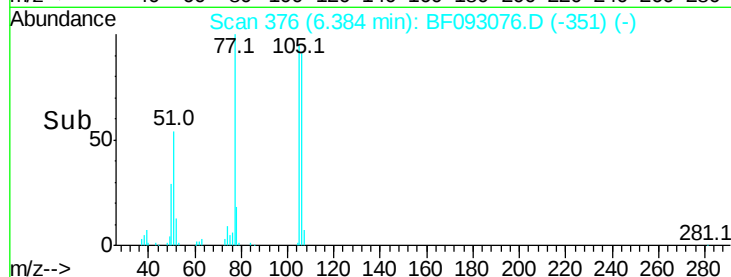
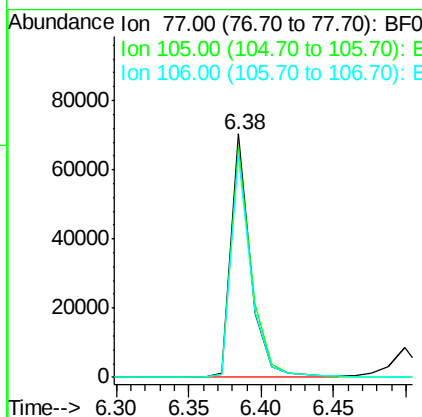
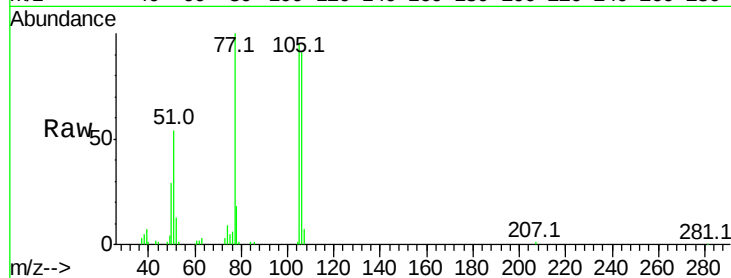
ClientSampleId :

PB97102BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	94.7	83.9	123.9
106	91.1	77.6	117.6

Manual Integrations
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#10

Phenol

Concen: 41.49 ng

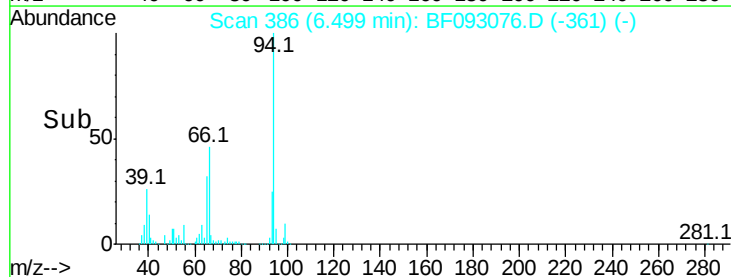
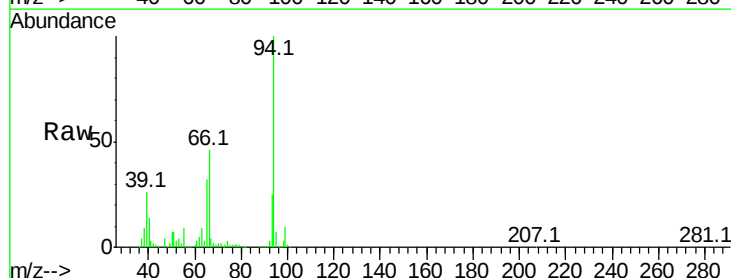
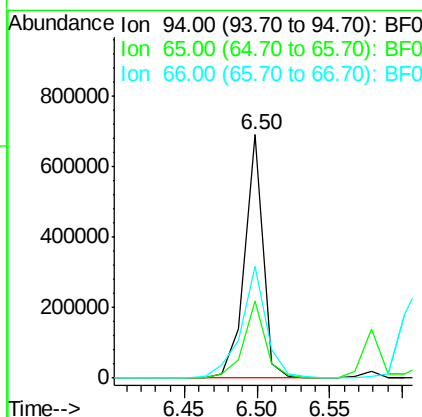
RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.9	21.4	61.4
66	45.8	44.0	84.0





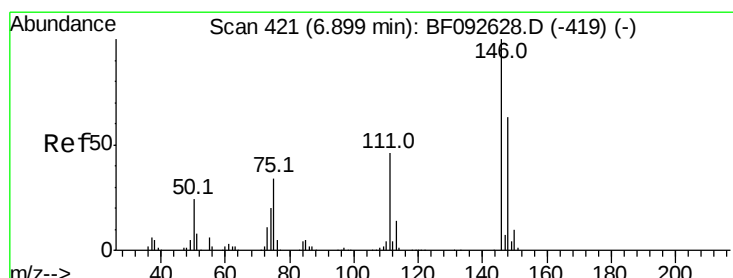
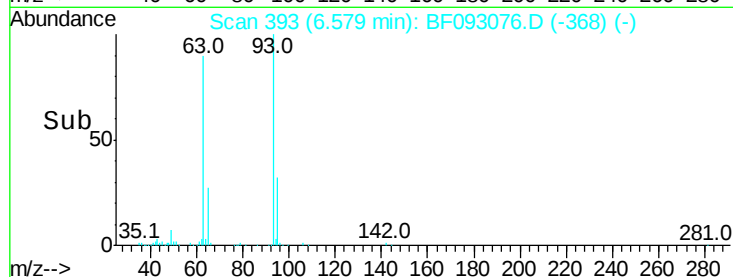
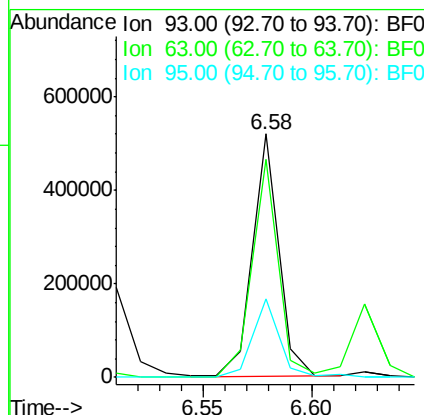
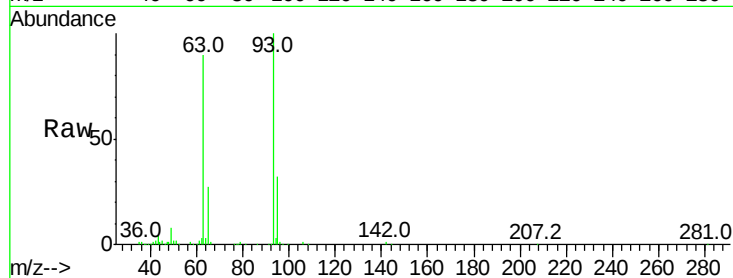
#11
bis(2-Chloroethyl)ether
Concen: 36.93 ng
RT: 6.58 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.6	60.4	100.4
95	32.5	12.8	52.8

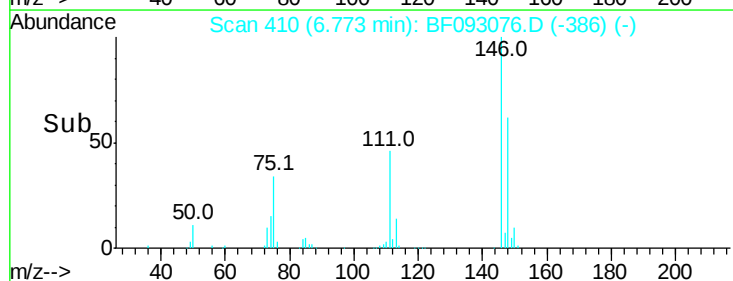
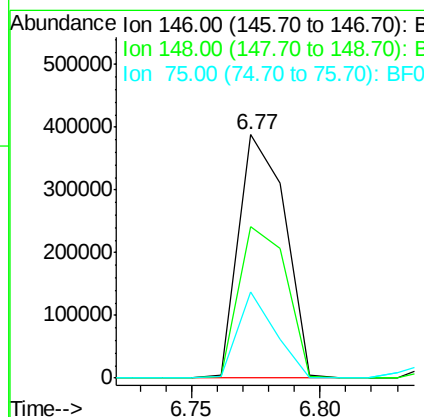
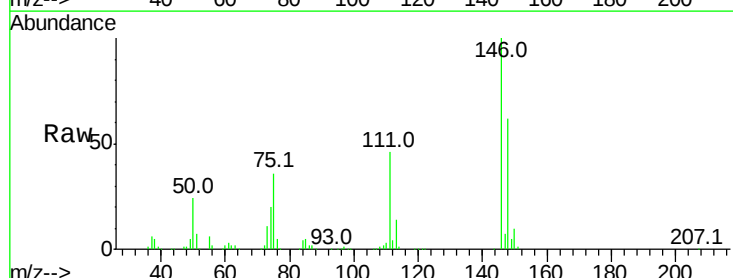
Manual Integrations
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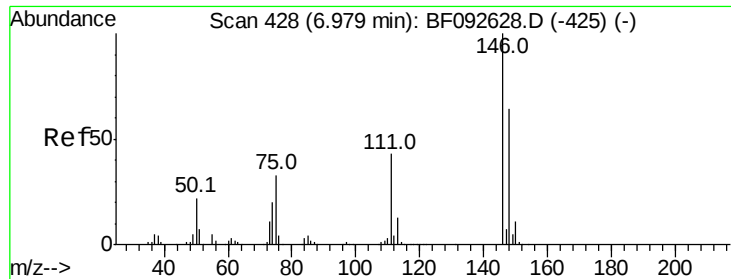
mohammad
2/23/2017 1:16:00 PM



#12
1,3-Dichlorobenzene
Concen: 38.46 ng m
RT: 6.77 min Scan# 410
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	53.4	80.0
75	35.5	18.5	27.7





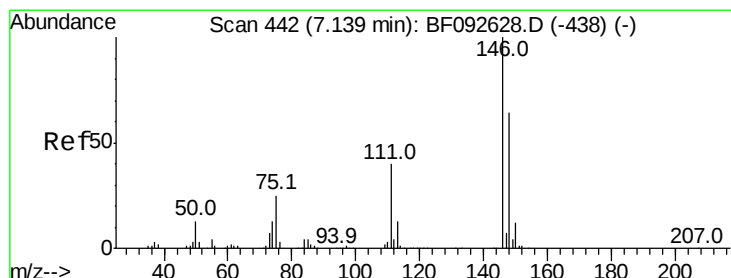
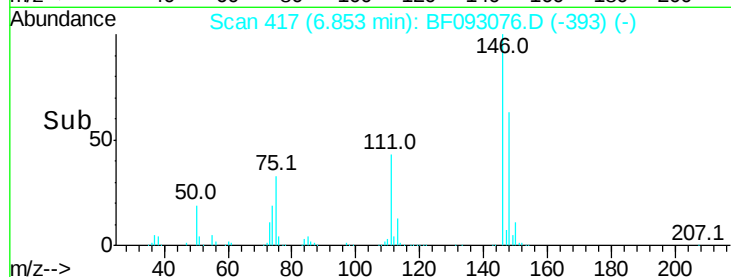
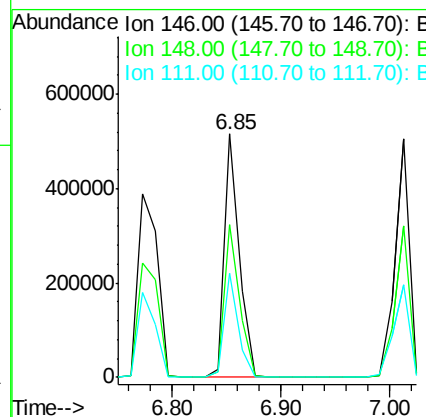
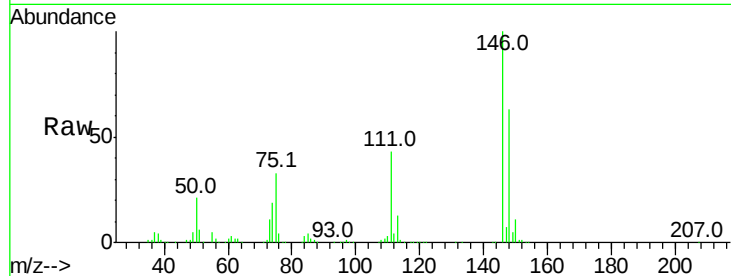
#13
1,4-Dichlorobenzene
Concen: 38.79 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.6	76.0
111	42.6	36.2	54.4

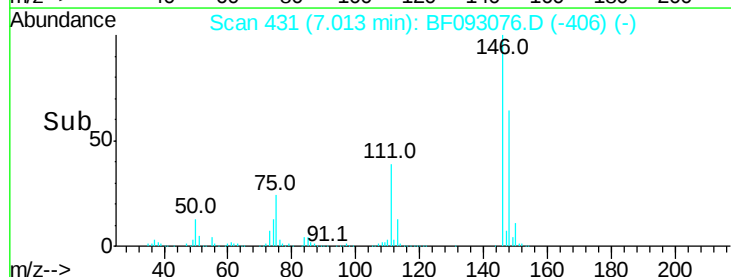
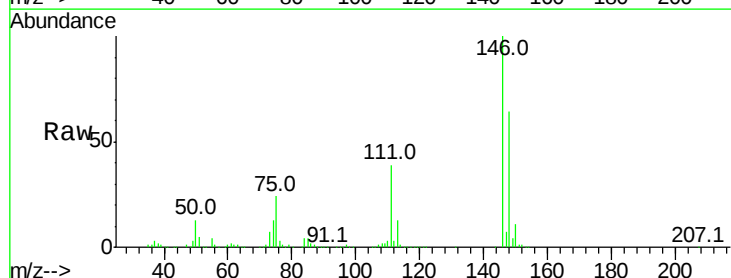
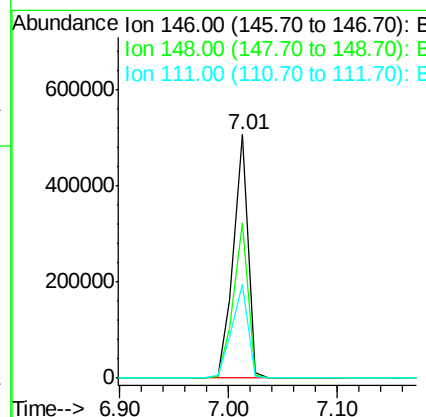
Manual Integrations
APPROVED

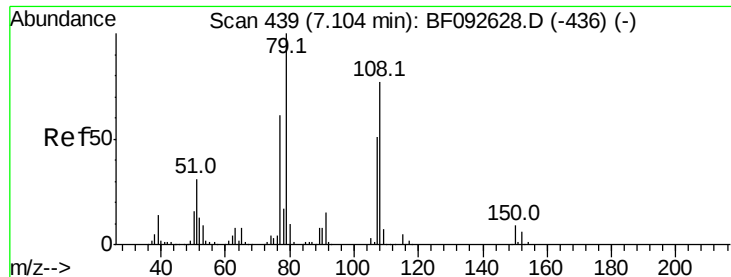
mohammad
2/23/2017 1:16:00 PM



#14
1,2-Dichlorobenzene
Concen: 38.26 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.2	78.2
111	38.8	36.2	54.2





#15

Benzyl Alcohol

Concen: 38.77 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

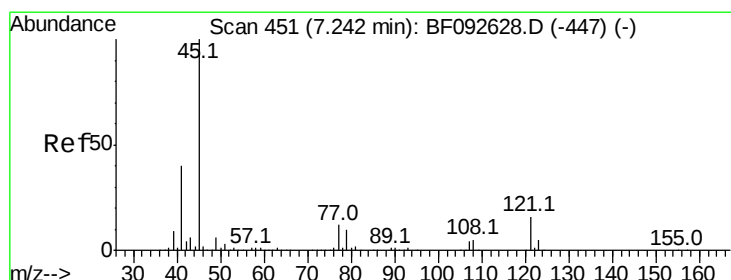
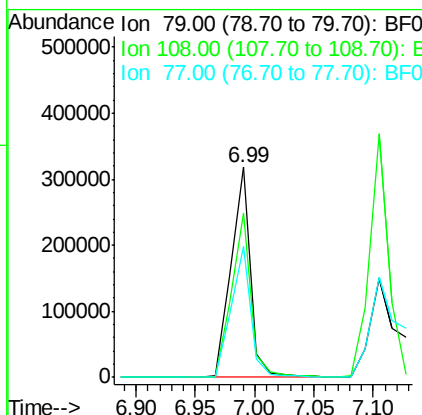
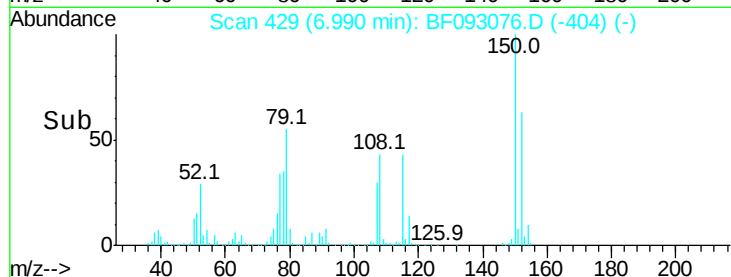
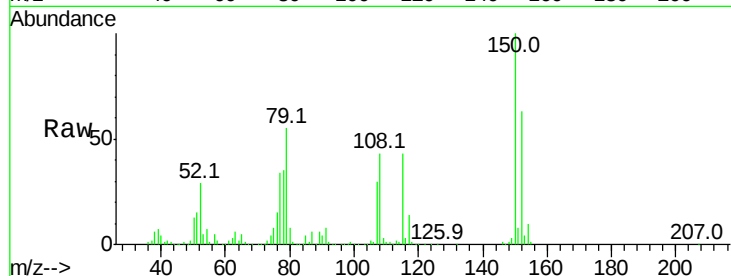
ClientSampled :

PB97102BS

Tot Ion:	79	Resp:	361885
Ion Ratio	Lower	Upper	
79	100		
108	78.3	61.4	92.0
77	62.2	50.9	76.3

Manual Integrations
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mohammad
2/23/2017 1:16:00 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.18 ng

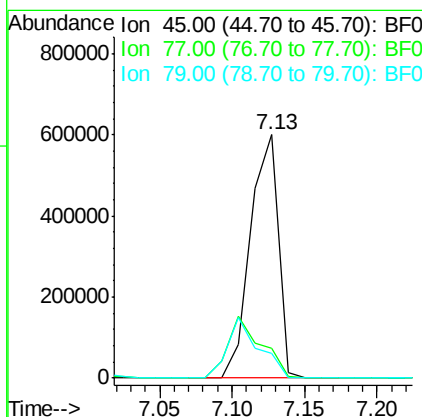
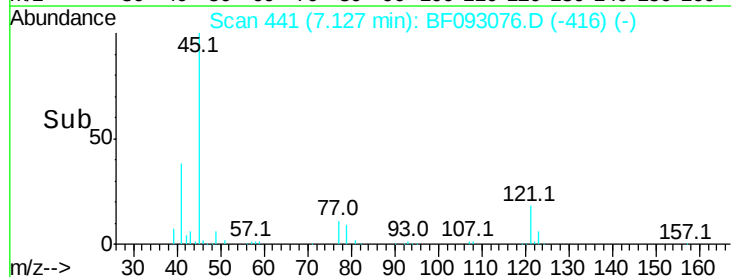
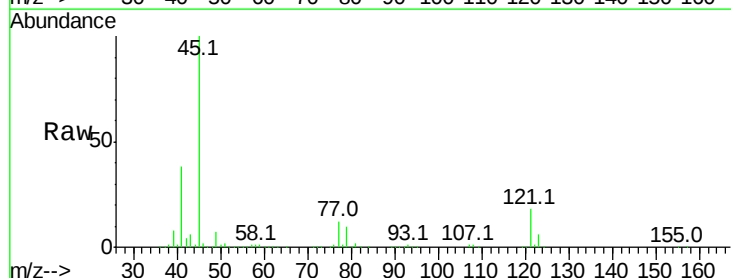
RT: 7.13 min Scan# 441

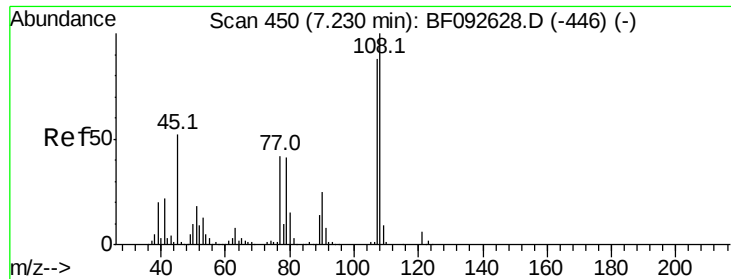
Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	45	Resp:	801462
Ion Ratio	Lower	Upper	
45	100		
77	12.3	0.0	34.6
79	10.1	0.0	31.2





#17

2-Methylphenol

Concen: 39.17 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

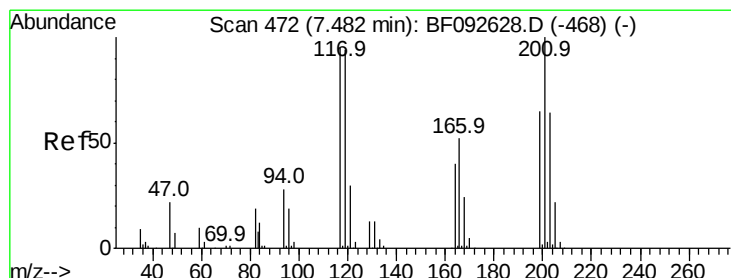
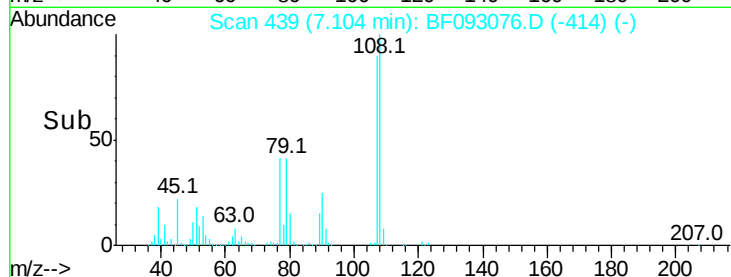
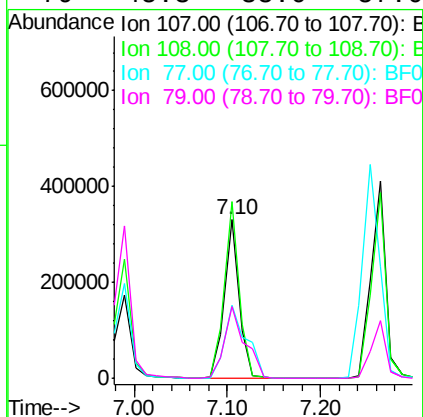
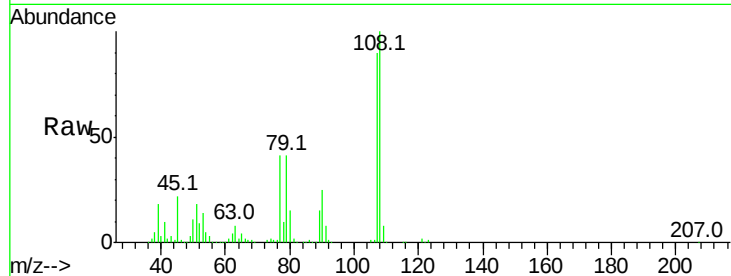
ClientSampleId :

PB97102BS

Tot Ion	107	Resp	363258
Ion Ratio	Lower	Upper	
107	100		
108	111.3	93.0	139.6
77	46.0	39.8	59.8
79	45.3	38.0	57.0

Manual Integrations
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#18

Hexachloroethane

Concen: 37.78 ng

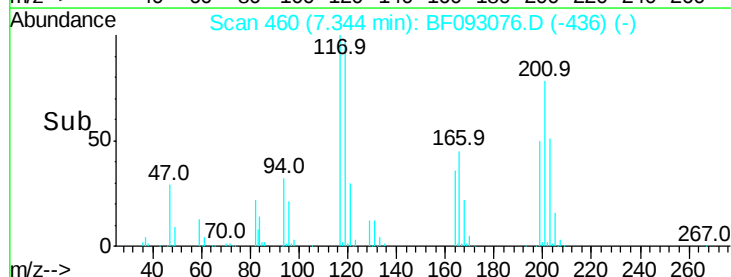
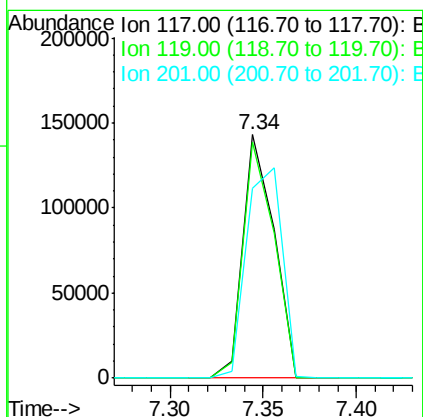
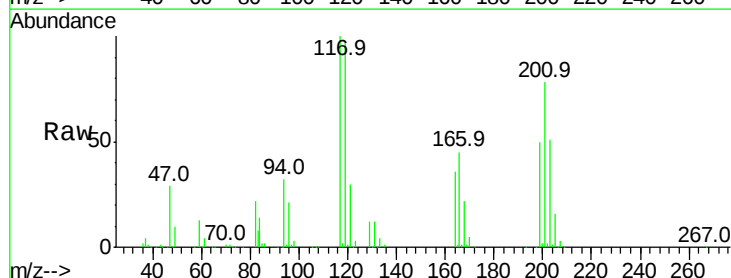
RT: 7.34 min Scan# 460

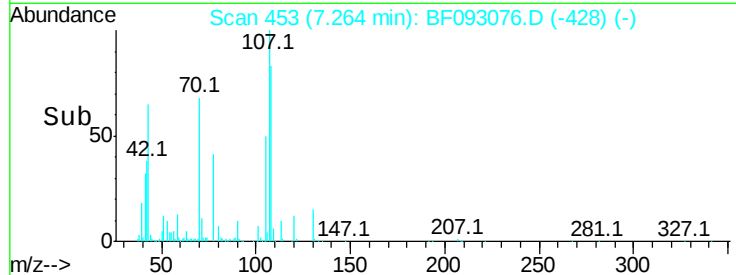
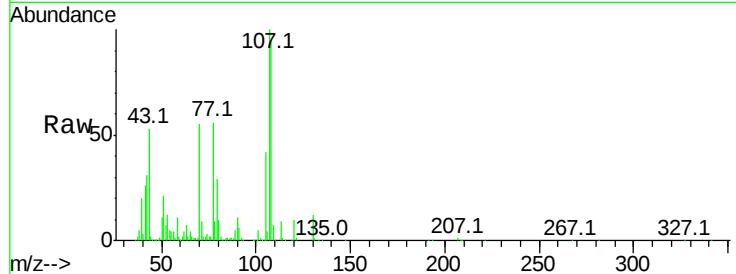
Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion	117	Resp	165296
Ion Ratio	Lower	Upper	
117	100		
119	96.7	78.1	117.1
201	78.2	78.6	117.8#





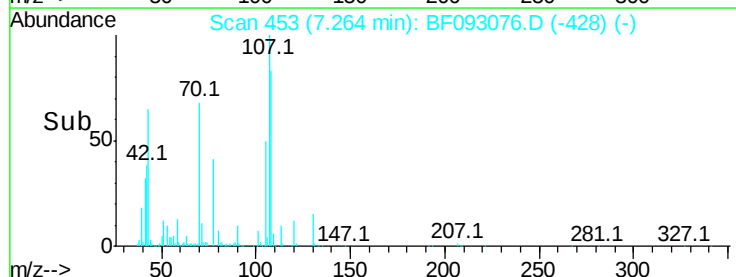
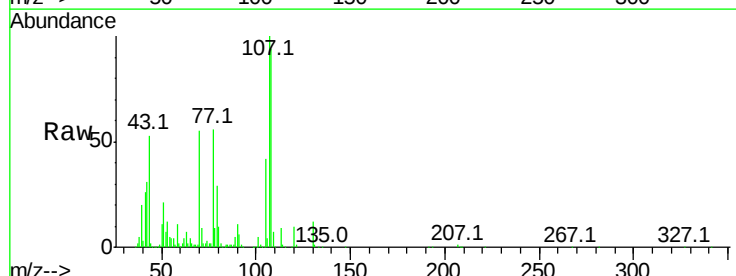
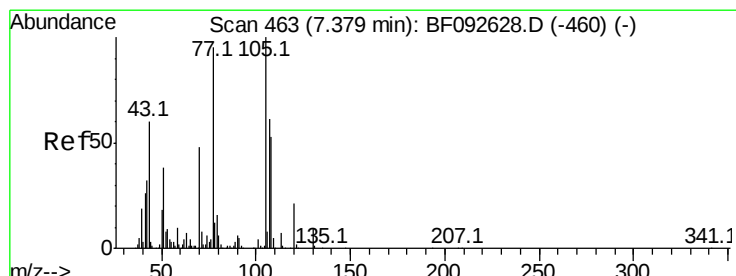
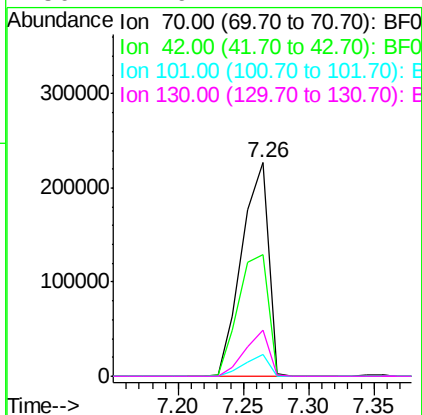
#19
n-Nitroso-di-n-propylamine
Concen: 40.50 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.9	49.4	74.0
101	9.9	7.4	11.2
130	21.6	14.2	21.4#

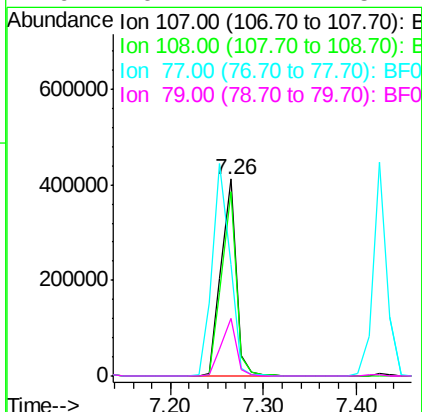
Manual Integrations
APPROVED

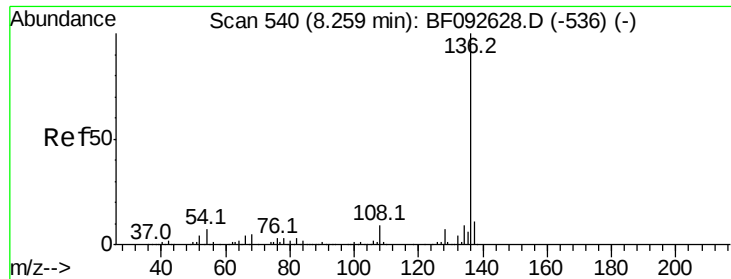
mohammad
2/23/2017 1:16:00 PM



#20
3+4-Methylphenols
Concen: 41.75 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.0	73.0	113.0
77	56.4	71.3	111.3#
79	29.4	11.1	51.1





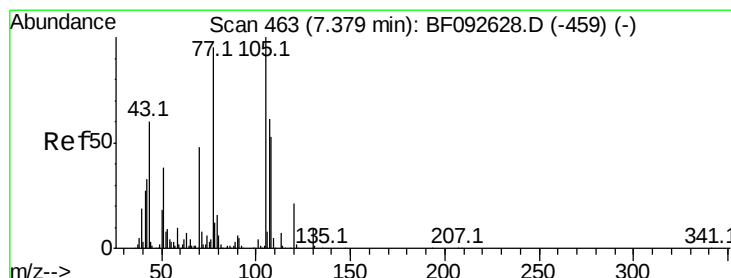
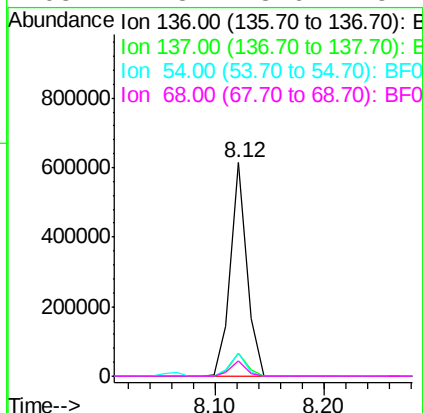
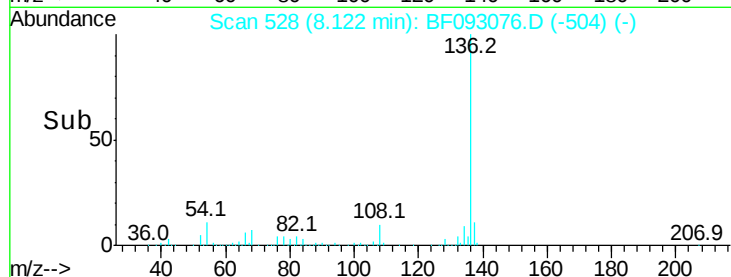
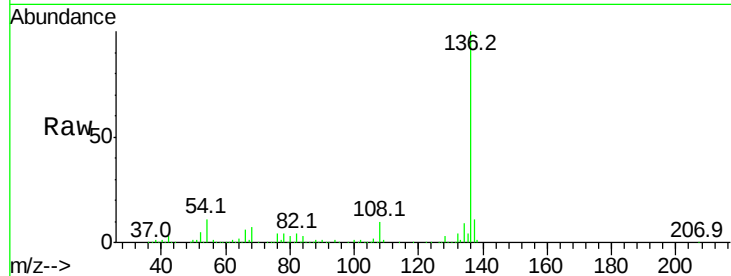
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	10.9	4.5	6.7#	
68	7.3	3.6	5.4#	

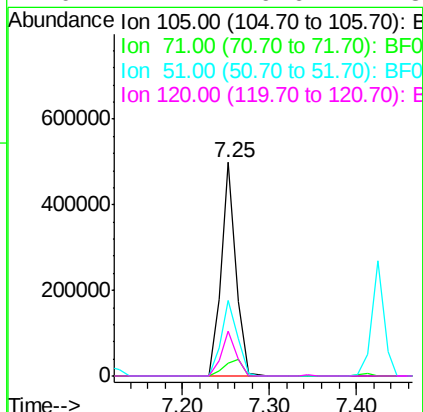
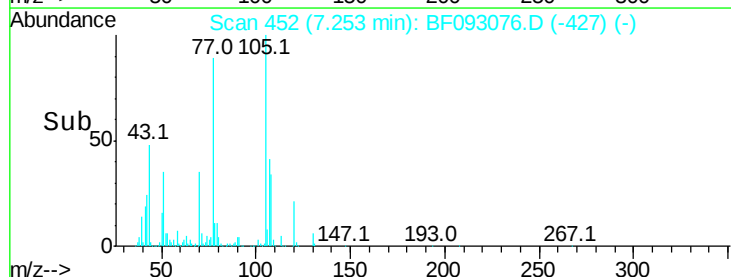
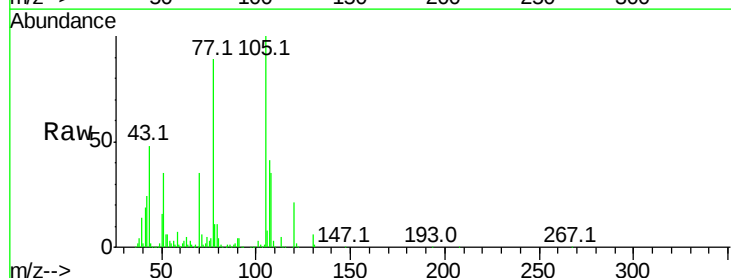
Manual Integrations
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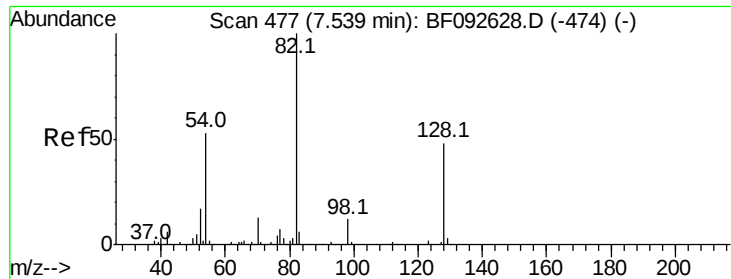
mohammad
2/23/2017 1:16:00 PM



#22
Acetophenone
Concen: 40.65 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.8	3.2	4.8#	
51	35.2	26.2	39.4	
120	21.1	16.6	24.8	





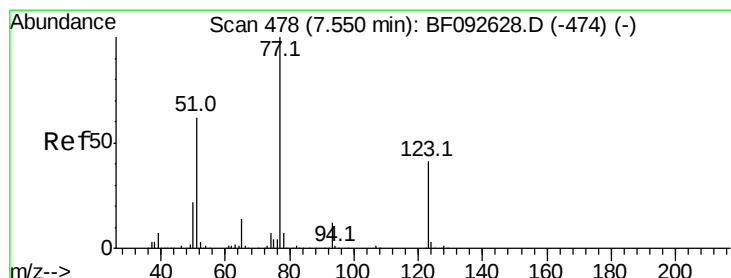
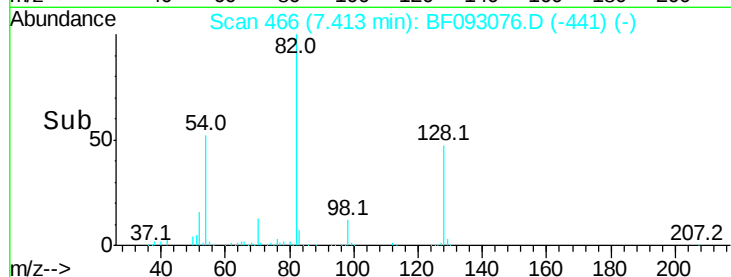
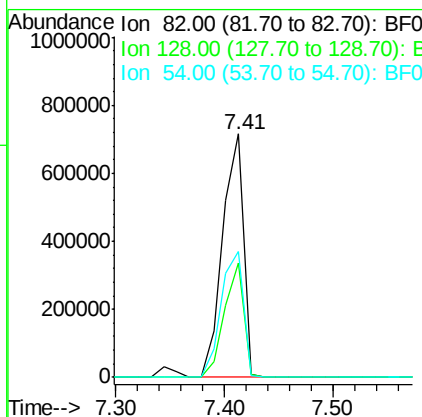
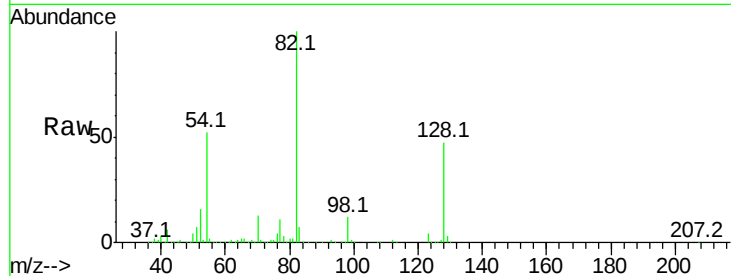
#23
 Nitrobenzene-d5
 Concen: 83.22 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	951462		
128	46.9	34.6	52.0	
54	52.0	39.5	59.3	

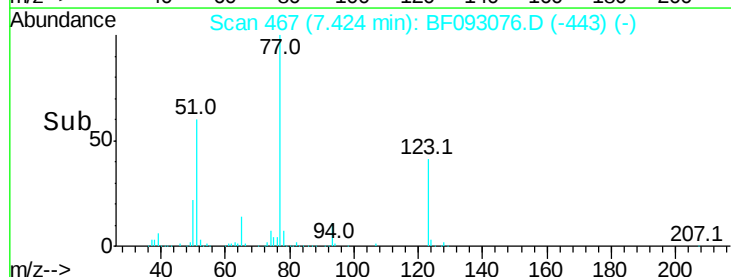
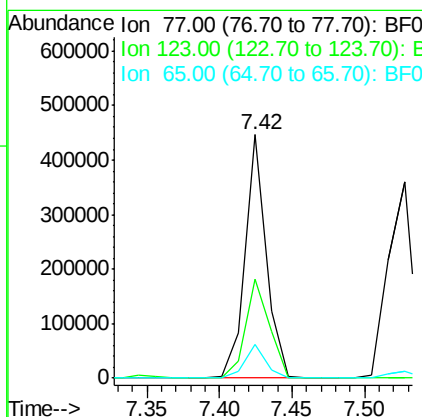
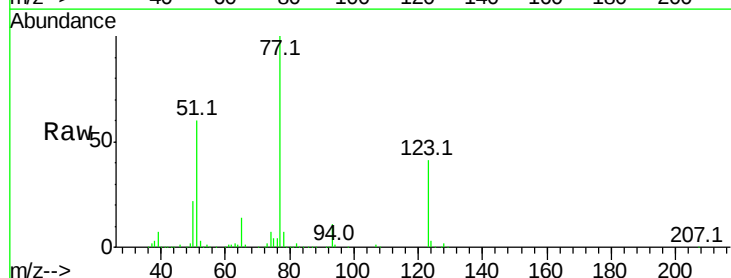
Manual Integrations
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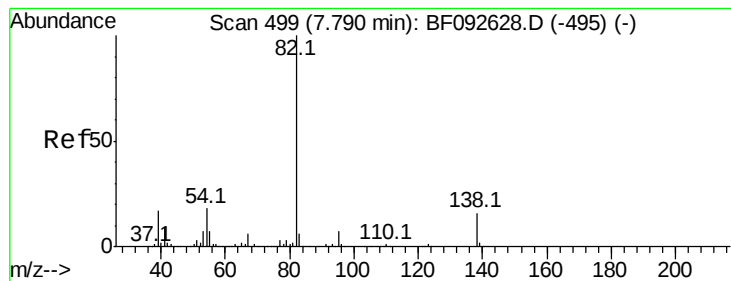
mohammad
 2/23/2017 1:16:00 PM



#24
 Nitrobenzene
 Concen: 38.46 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	451488		
123	40.9	33.0	49.4	
65	13.9	11.2	16.8	





#25

Isophorone

Concen: 41.43 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

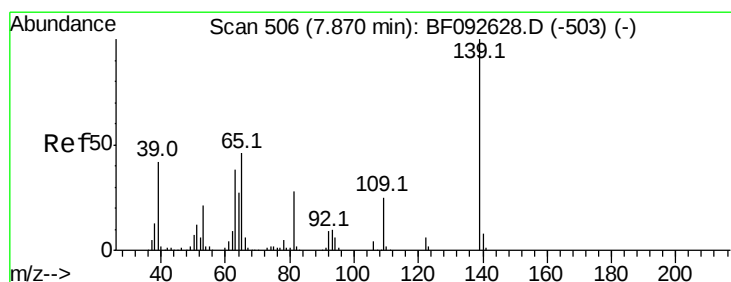
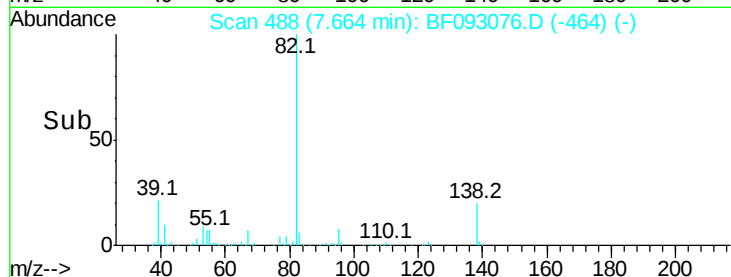
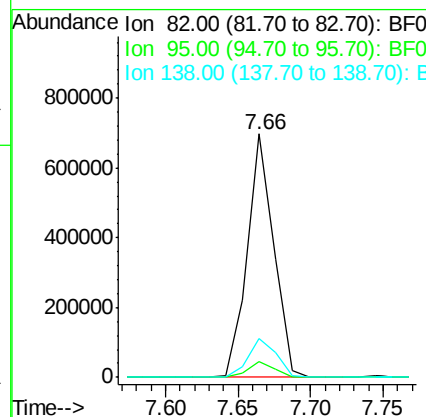
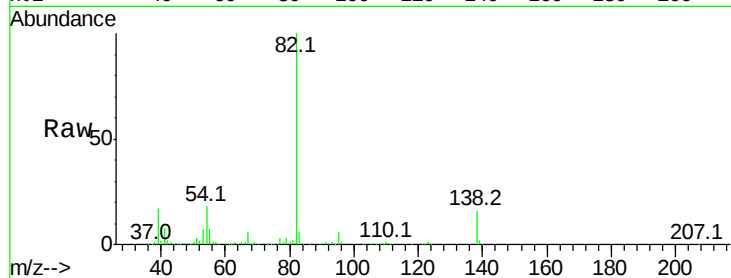
ClientSampleId :

PB97102BS

Tot Ion:	82	Resp:	882783
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.6	8.4
138	15.9	14.6	22.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 46.17 ng

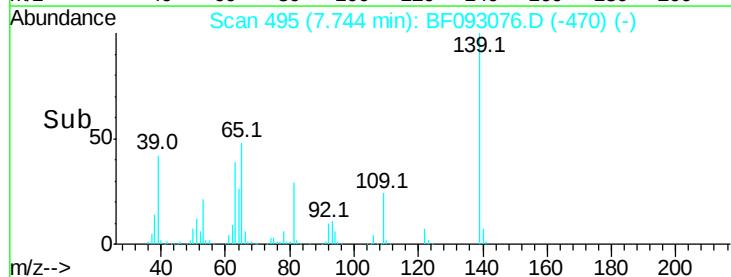
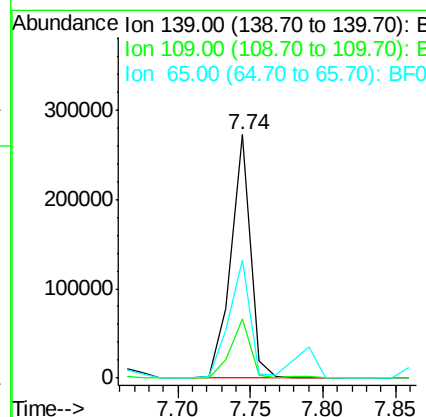
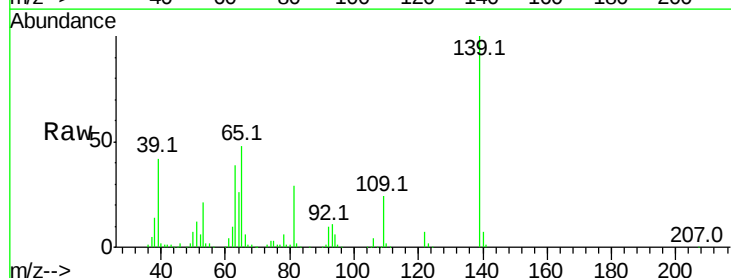
RT: 7.74 min Scan# 495

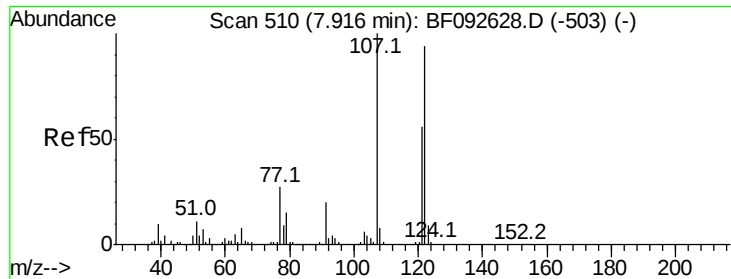
Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	139	Resp:	257680
Ion Ratio	Lower	Upper	
139	100		
109	24.5	23.3	34.9
65	48.4	42.7	64.1





#27

2,4-Dimethylphenol

Concen: 45.00 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

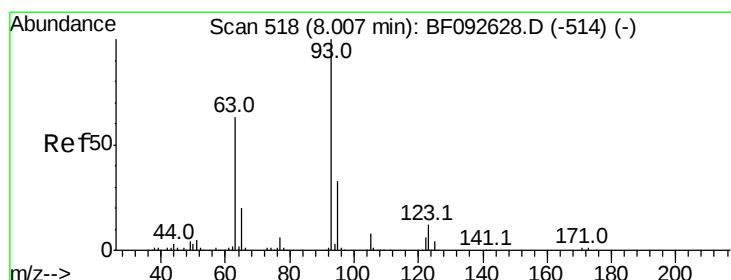
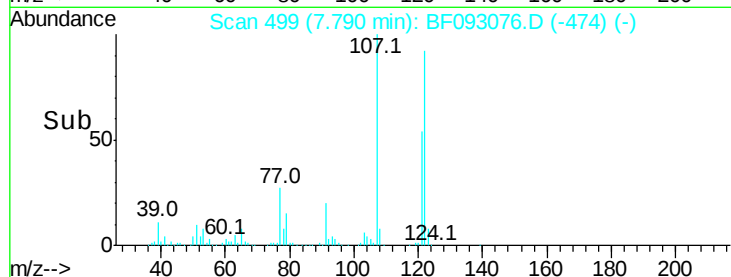
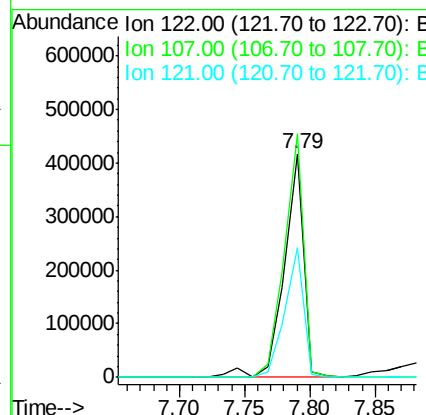
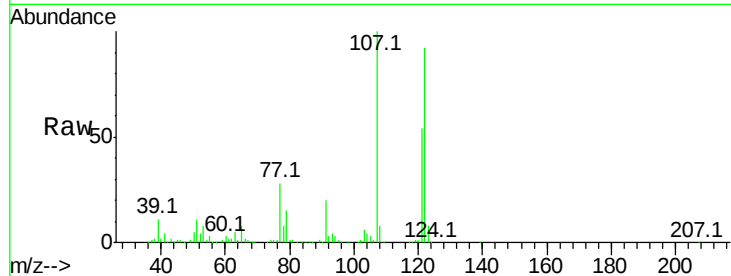
ClientSampleId :

PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	440995		
107	109.0	94.1	141.1	
121	58.3	46.0	69.0	

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#28

bis(2-Chloroethoxy)methane

Concen: 41.91 ng

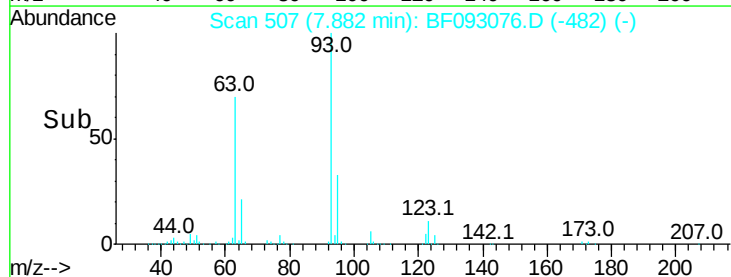
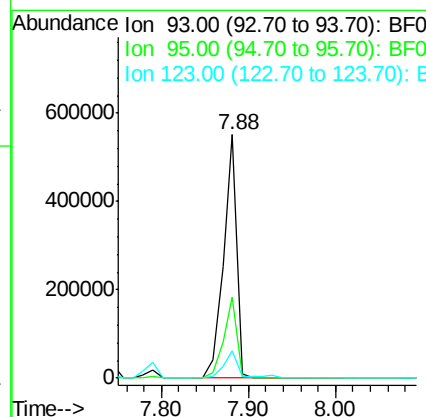
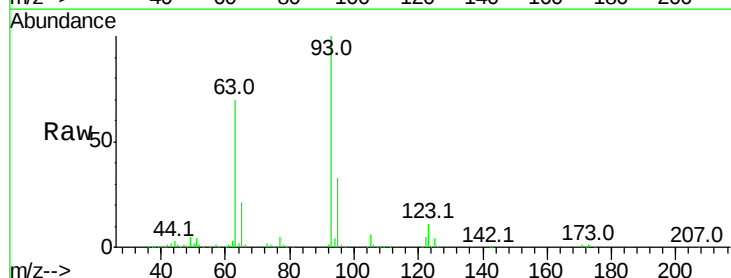
RT: 7.88 min Scan# 507

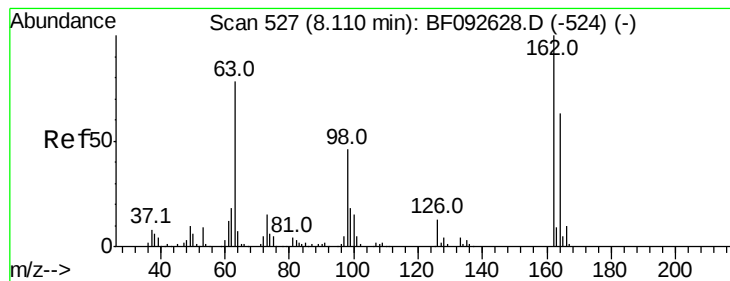
Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	591363		
95	33.3	26.5	39.7	
123	11.2	8.6	13.0	





#29

2,4-Dichlorophenol

Concen: 40.21 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

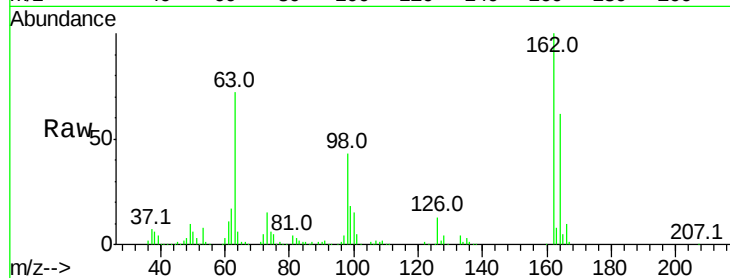
ClientSampleId :

PB97102BS

Tot Ion:	162	Resp:	367542
Ion Ratio	Lower	Upper	
162	100		
164	62.5	46.8	86.8
98	43.5	9.1	49.1

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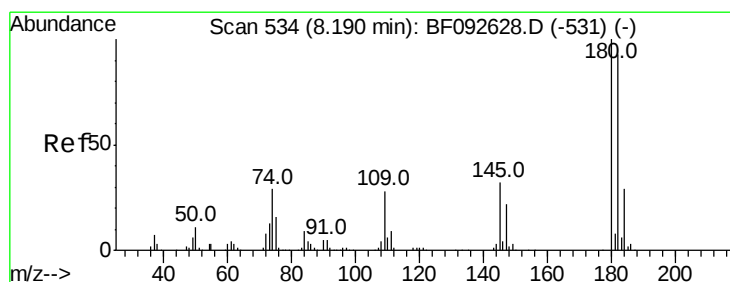
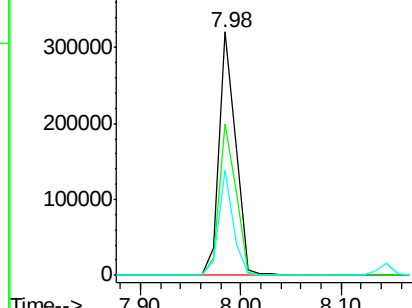
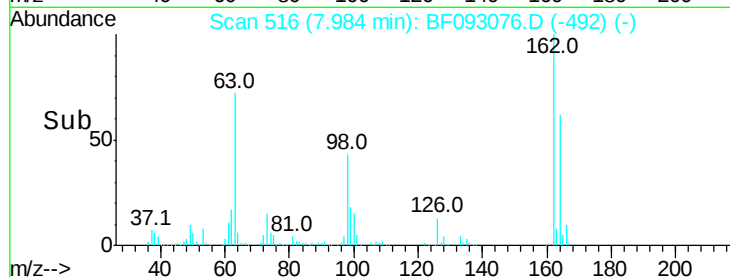
mohammad
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 39.28 ng

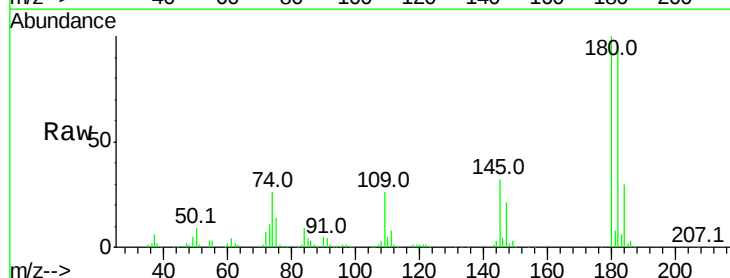
RT: 8.06 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

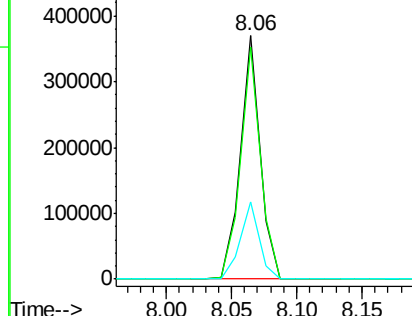
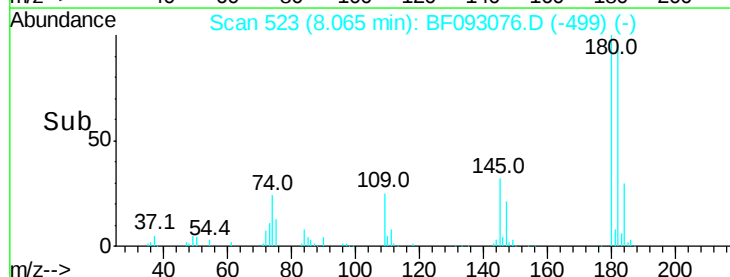
Tgt Ion:	180	Resp:	386903
Ion Ratio	Lower	Upper	
180	100		
182	95.5	78.2	117.4
145	31.6	21.6	32.4

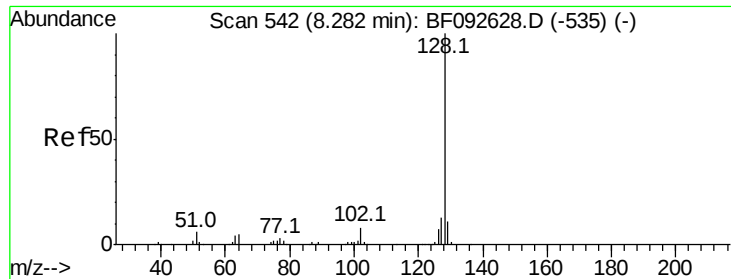


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





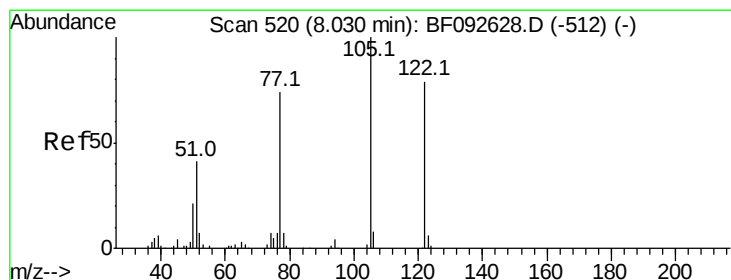
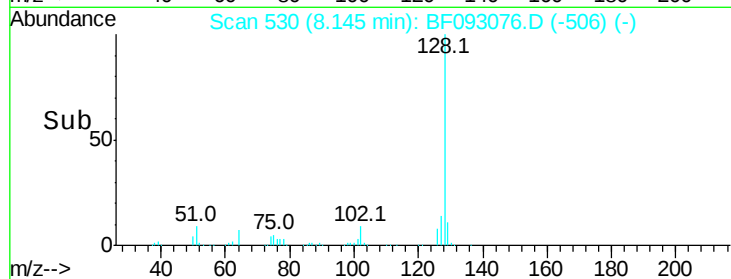
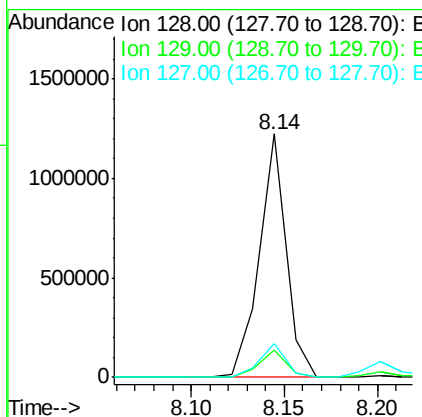
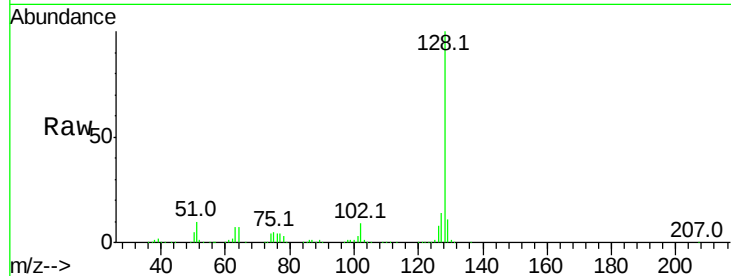
#31
Naphthalene
Concen: 37.84 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	14.0	10.8	16.2

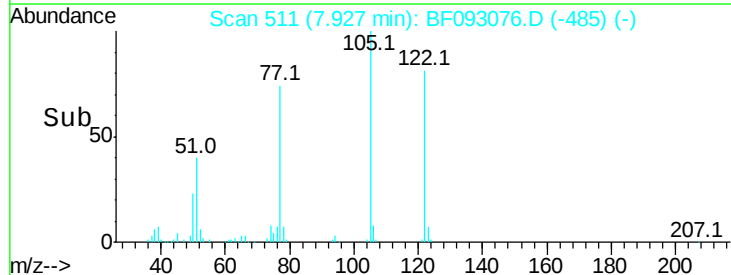
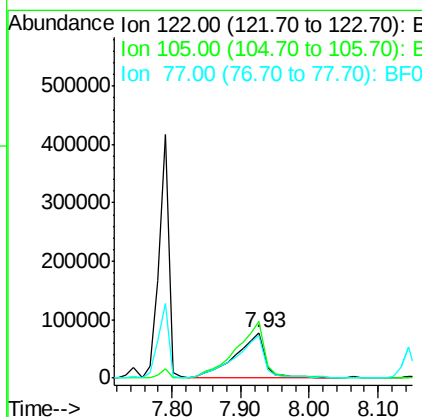
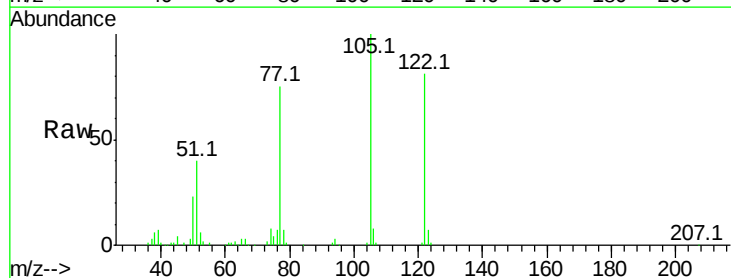
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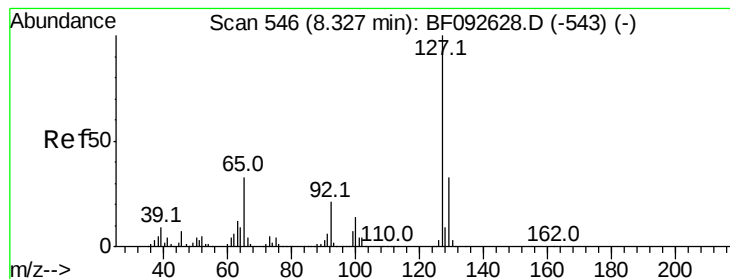
mohammad
2/23/2017 1:16:00 PM



#32
Benzoic acid
Concen: 42.01 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.6	107.2	147.2
77	92.6	74.5	114.5





#33

4-Chloroaniline

Concen: 8.88 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

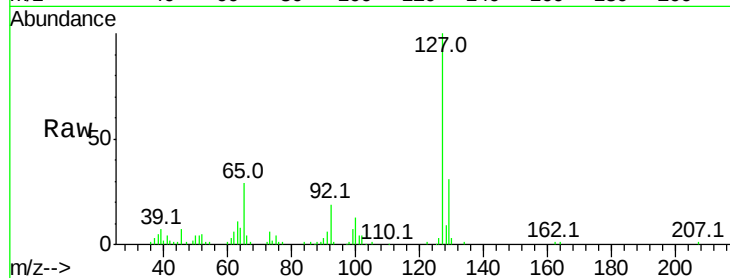
ClientSampleId :

PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.2	26.3	39.5	
65	28.5	25.8	38.8	
92	18.7	16.1	24.1	

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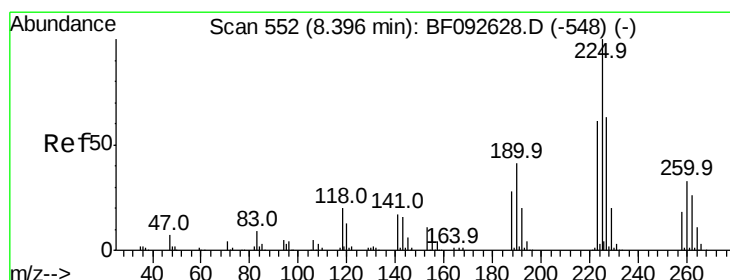
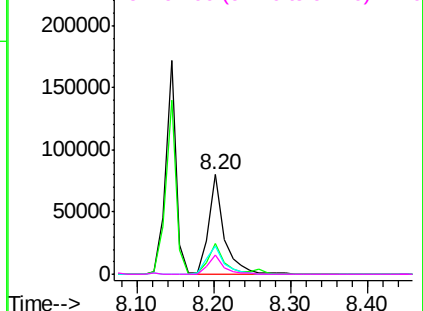
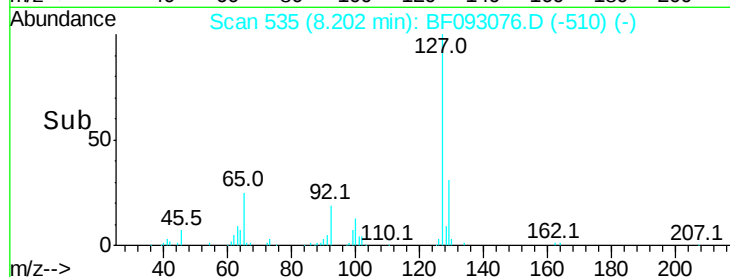
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 36.89 ng

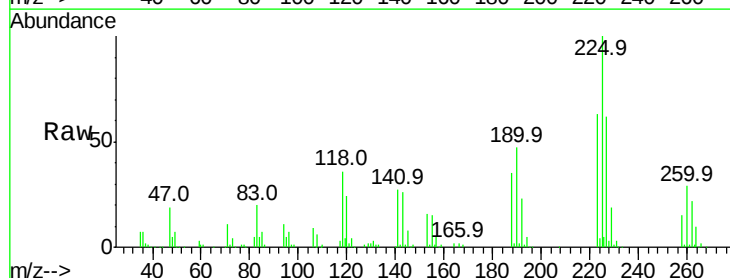
RT: 8.26 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	51.0	76.6	
227	62.1	50.6	76.0	

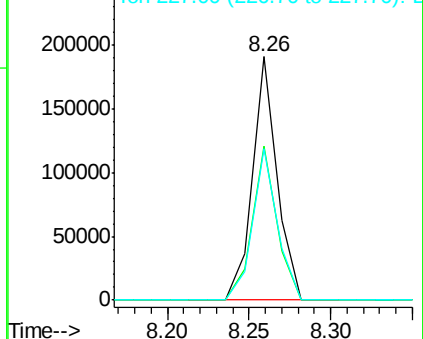
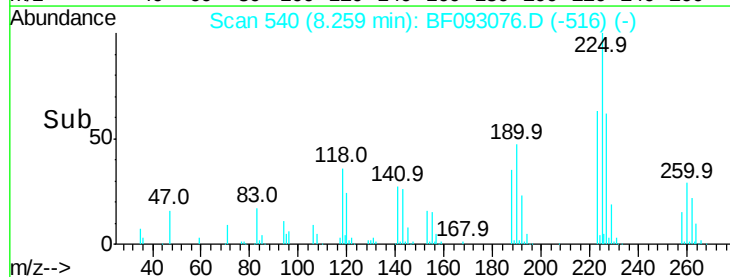


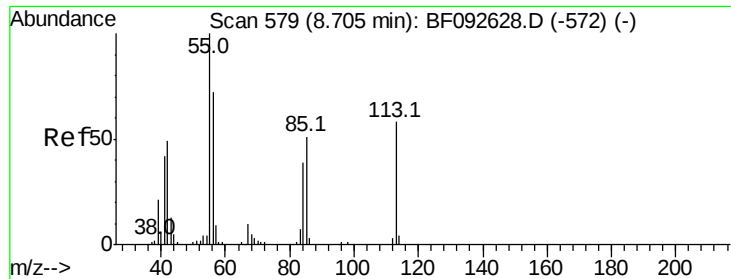
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 43.26 ng/ml

RT: 8.57 min Scan# 567

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

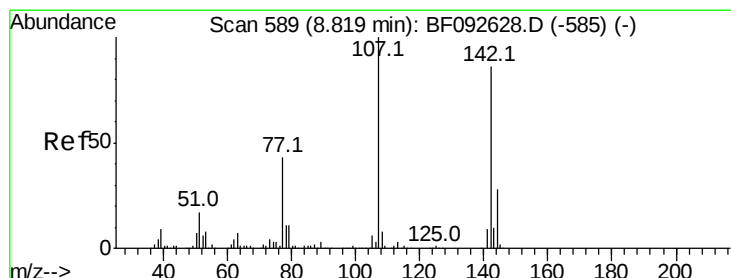
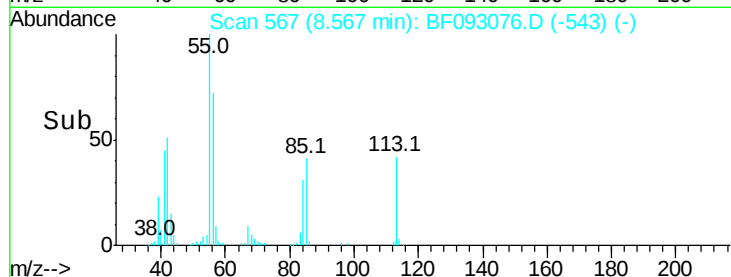
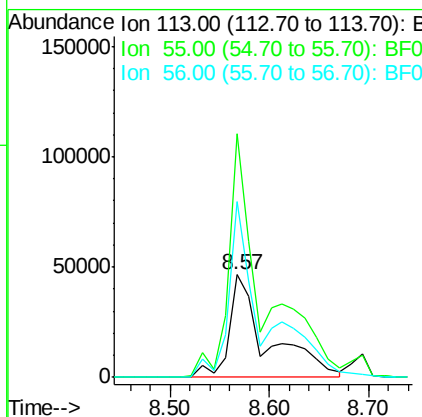
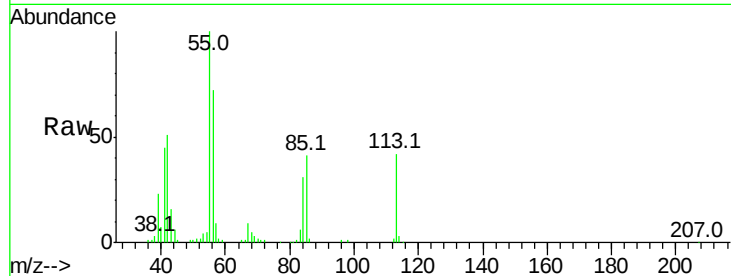
ClientSampleId :

PB97102BS

Tot Ion:	113	Resp:	124388
Ion Ratio	Lower	Upper	
113	100		
55	236.9	119.2	159.2#
56	171.6	83.8	123.8#

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#36

4-Chloro-3-methylphenol

Concen: 44.27 ng/ml

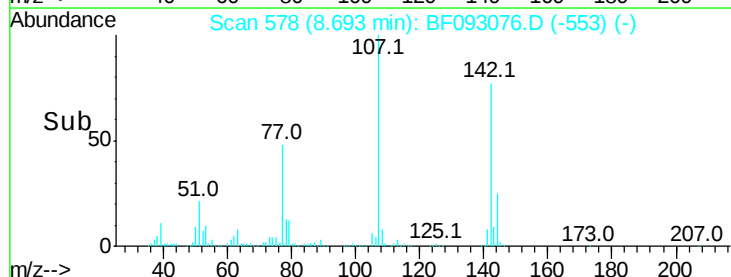
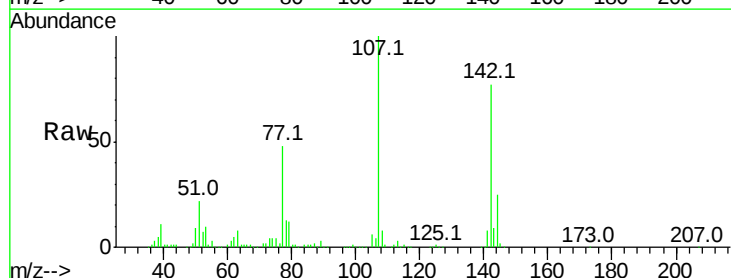
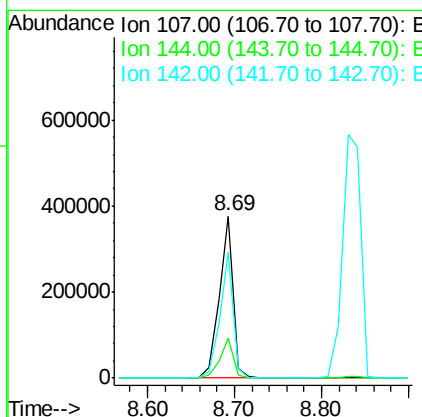
RT: 8.69 min Scan# 578

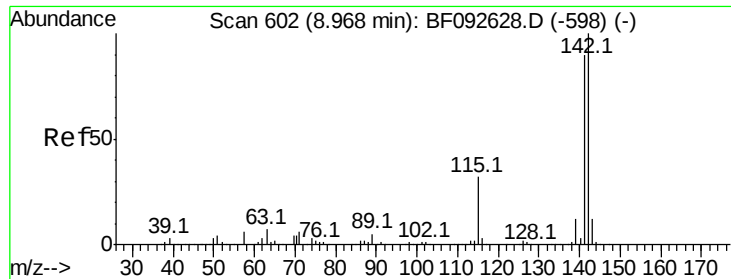
Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	107	Resp:	421848
Ion Ratio	Lower	Upper	
107	100		
144	25.1	19.3	28.9
142	77.4	59.0	88.6





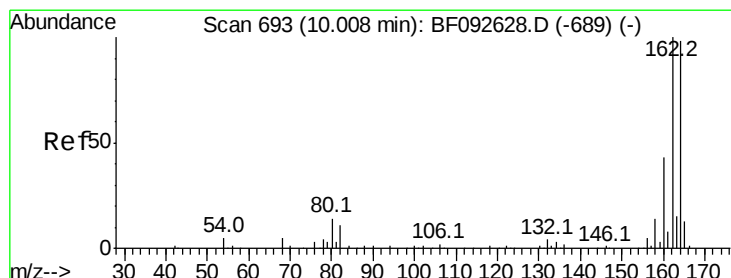
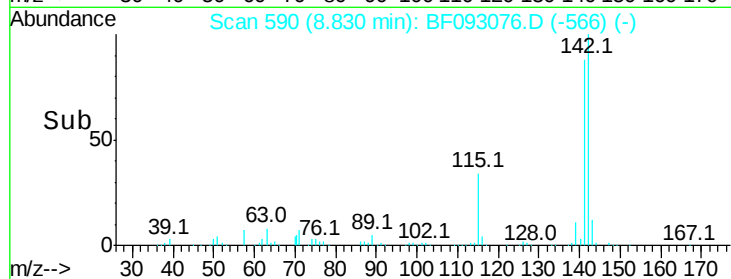
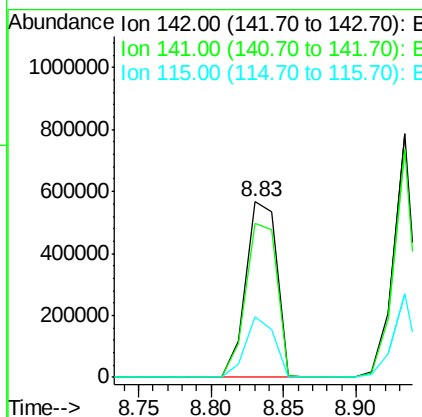
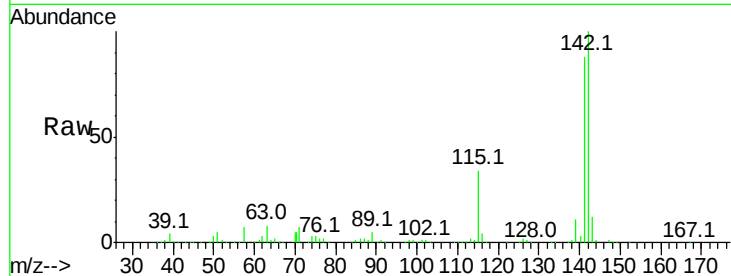
#37
 2-Methylnaphthalene
 Concen: 40.74 ng
 RT: 8.83 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleID :
 PB97102BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	34.3	28.3	42.5

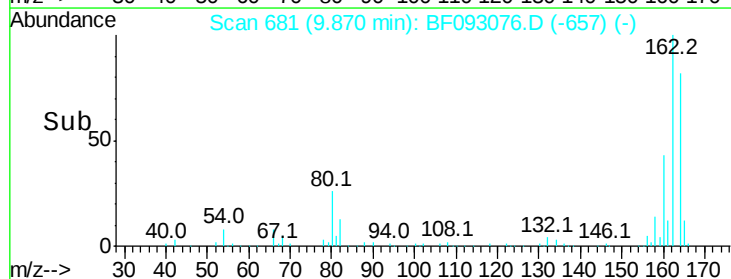
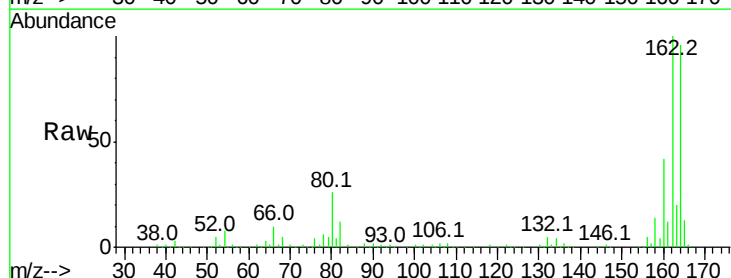
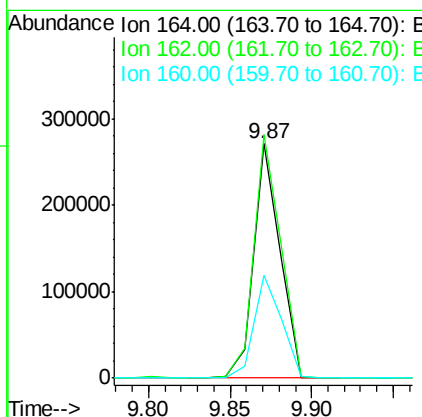
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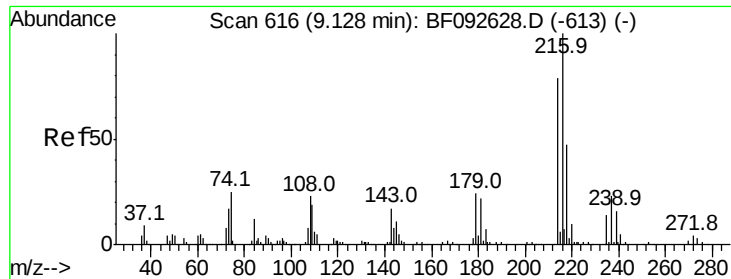
mohammad
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	80.2	120.2
160	43.9	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.19 ng

RT: 9.00 min Scan# 605

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PB97102BS

Tot Ion:216 Resp: 367358
Ion Ratio Lower Upper

216 100

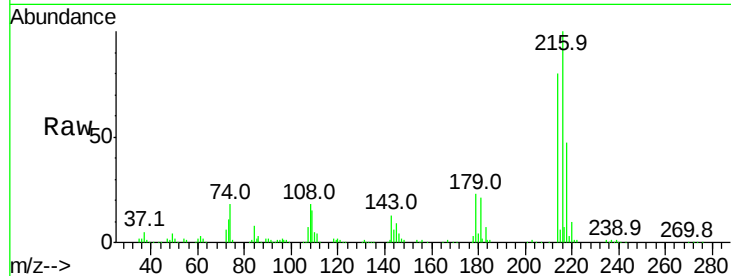
214 79.1 63.4 95.0

179 22.2 17.4 26.2

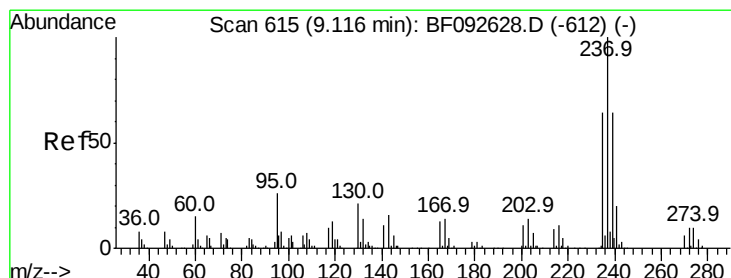
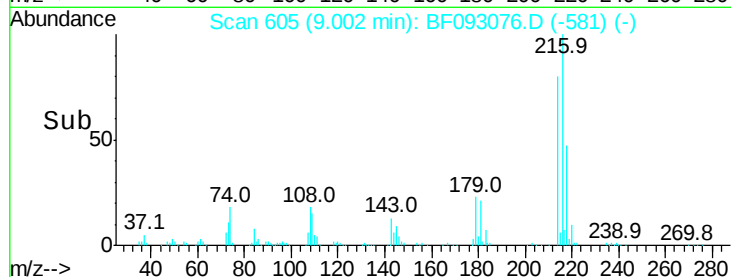
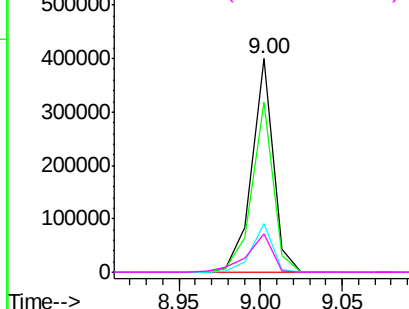
108 21.4 15.6 23.4

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



#40

Hexachlorocyclopentadiene

Concen: 87.46 ng

RT: 8.99 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF093076.D

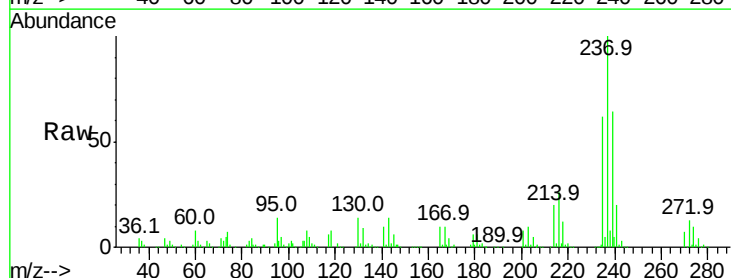
Acq: 22 Feb 2017 15:39

Tgt Ion:237 Resp: 335664
Ion Ratio Lower Upper

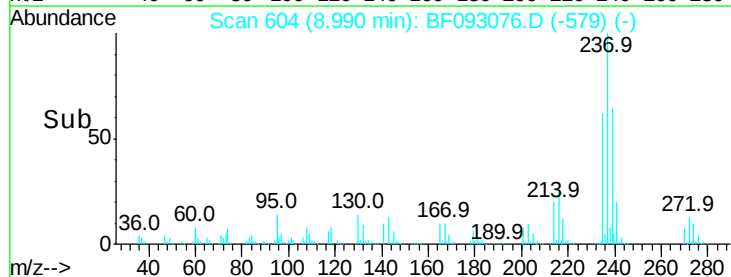
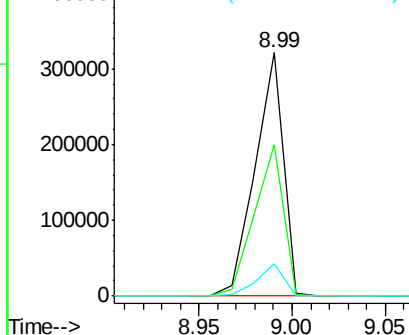
237 100

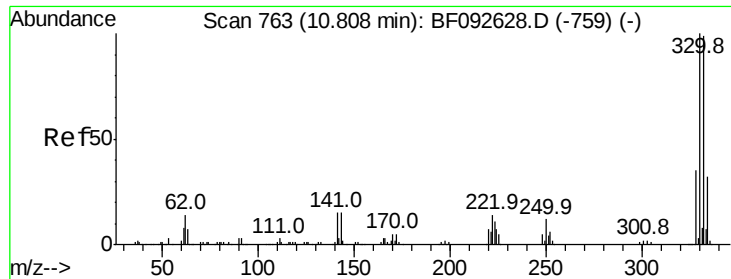
235 62.3 41.2 81.2

272 13.4 0.0 35.4



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





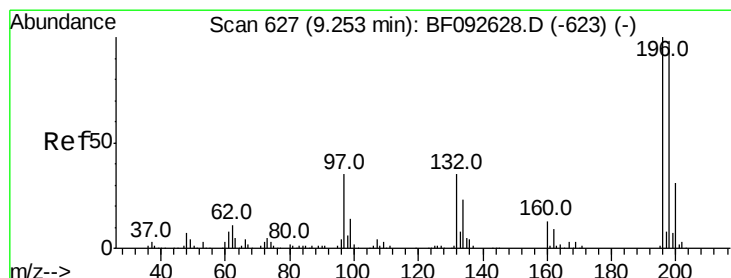
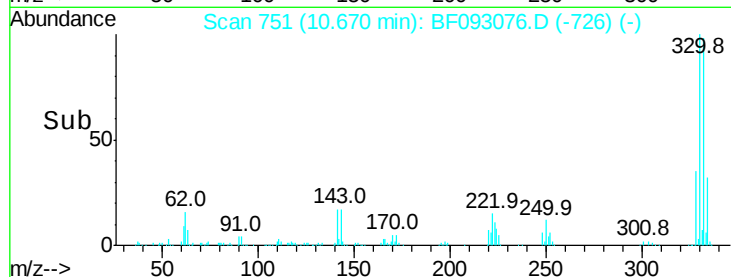
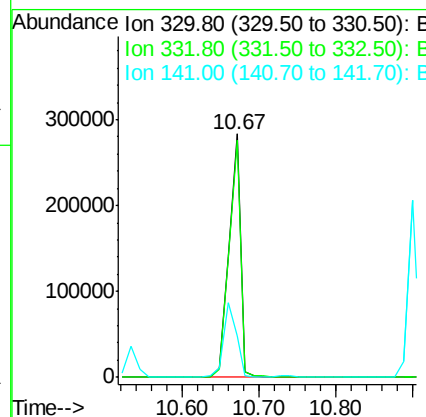
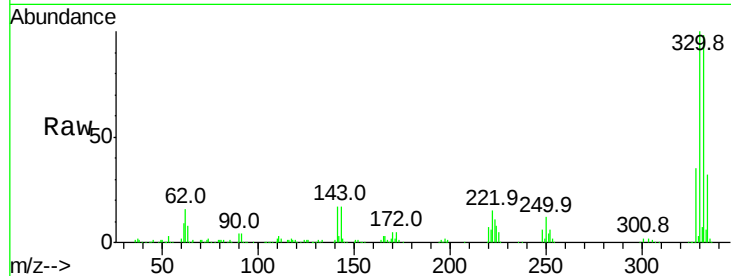
#41
 2,4,6-Tribromophenol
 Concen: 140.91 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.4	116.2	
141	33.6	34.1	51.1#	

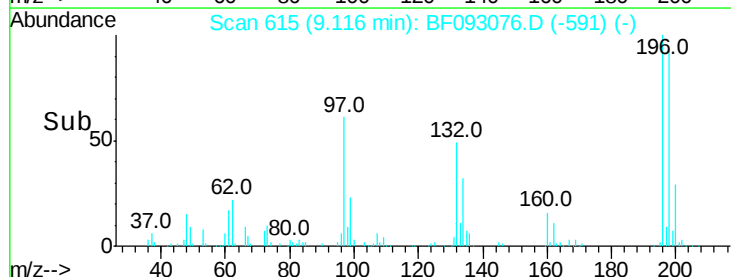
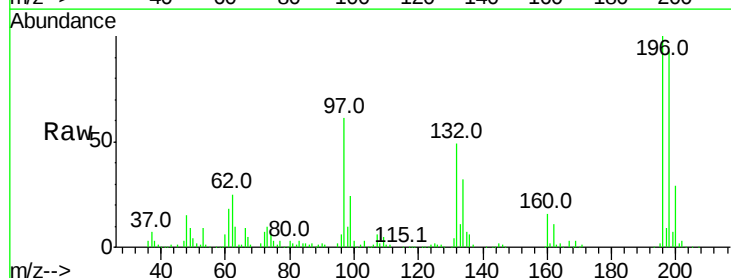
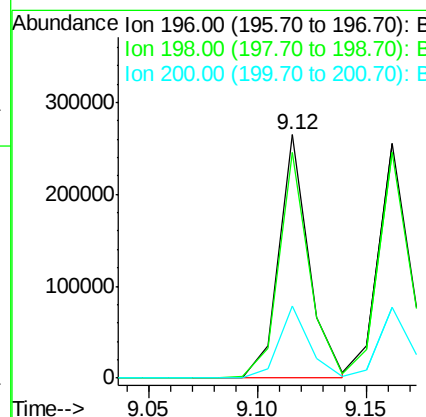
Manual Integrations
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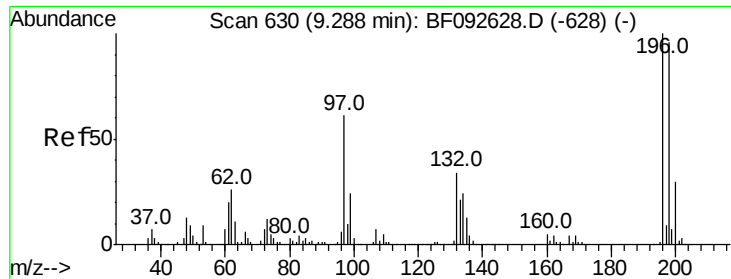
mohammad
 2/23/2017 1:16:00 PM



#42
 2,4,6-Trichlorophenol
 Concen: 45.72 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.5	82.1	123.1	
200	29.4	27.0	40.4	





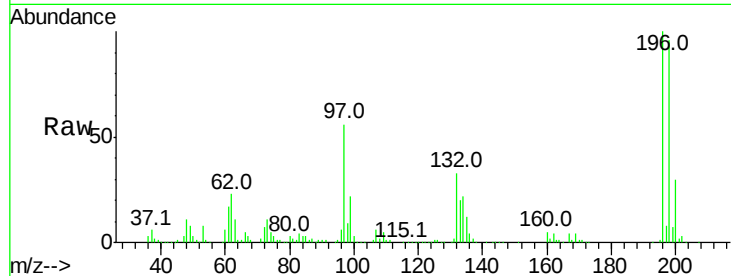
#43
 2,4,5-Trichlorophenol
 Concen: 41.99 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

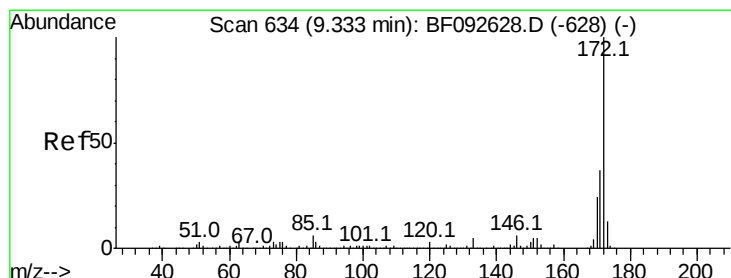
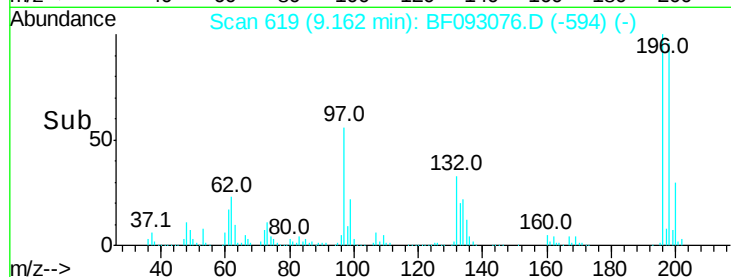
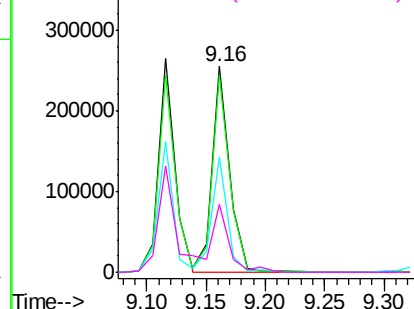
Tot Ion:	196	Resp:	257147
Ion Ratio	Lower	Upper	
196	100		
198	96.0	79.4	119.2
97	56.1	51.5	77.3
132	33.1	27.4	41.2

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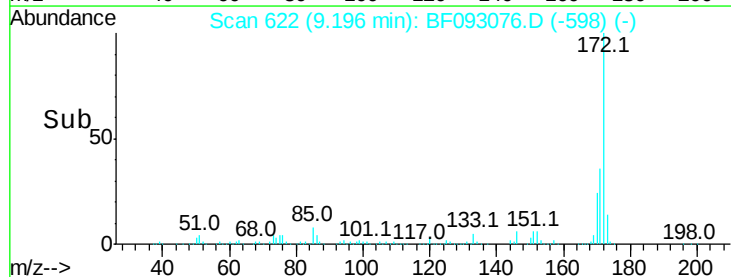
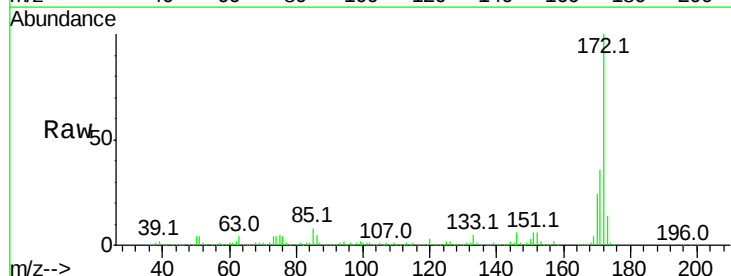
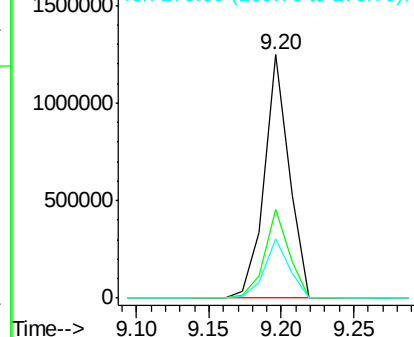
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

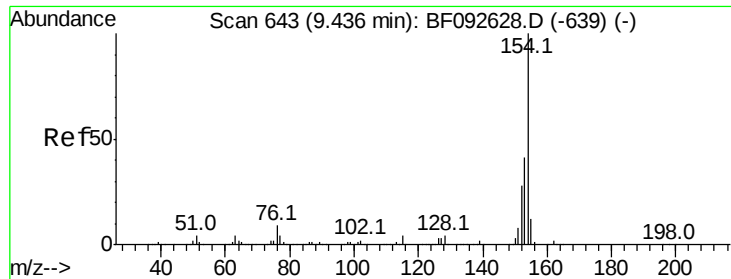


#44
 2-Fluorobiphenyl
 Concen: 88.25 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion:	172	Resp:	1476137
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.4	44.0
170	24.1	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: 44.68 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

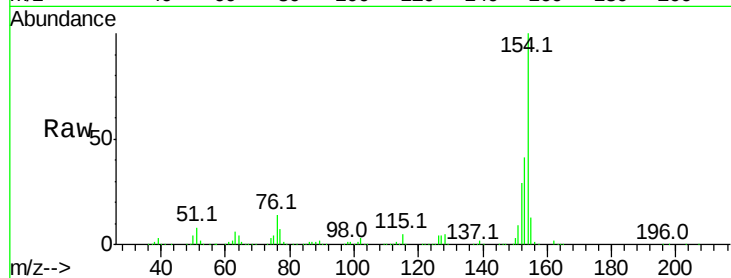
ClientSampleId :

PB97102BS

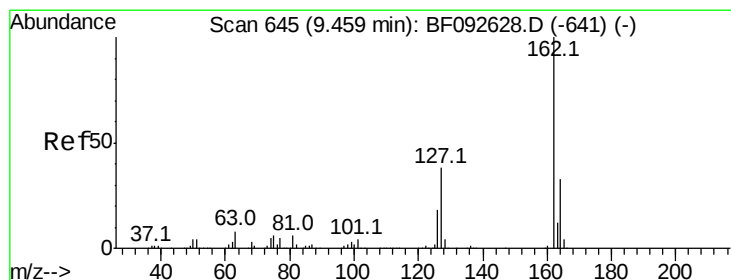
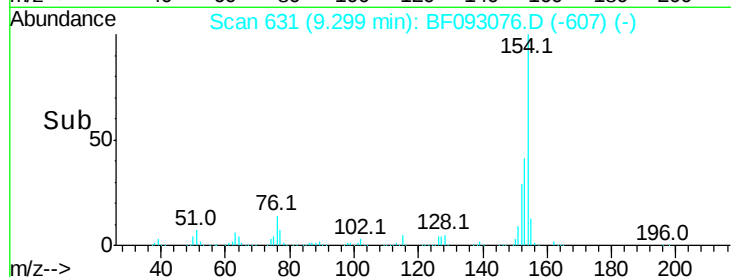
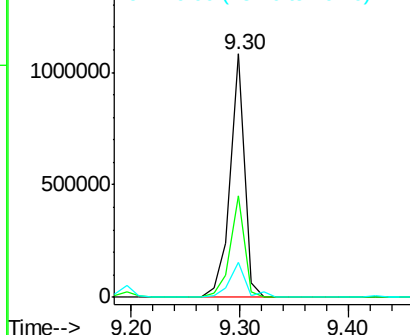
Tot Ion:	154	Resp:	980441
Ion Ratio	Lower	Upper	
154	100		
153	41.4	20.9	60.9
76	14.4	0.0	30.5

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 44.44 ng

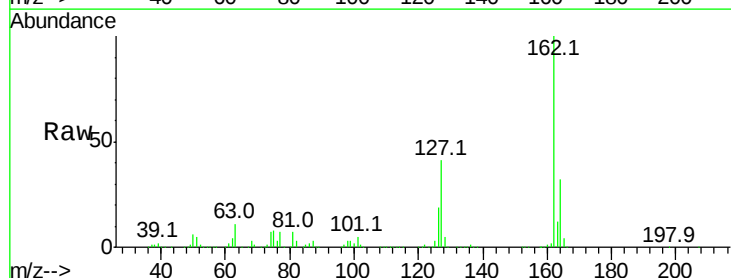
RT: 9.32 min Scan# 633

Delta R.T. -0.02 min

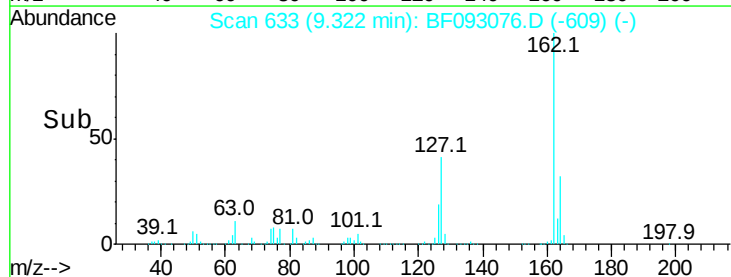
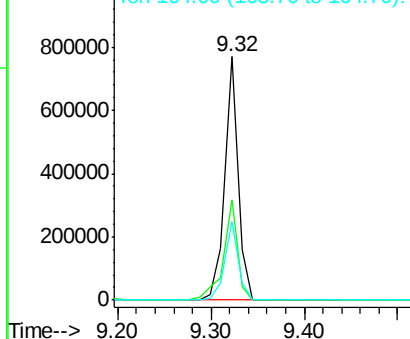
Lab File: BF093076.D

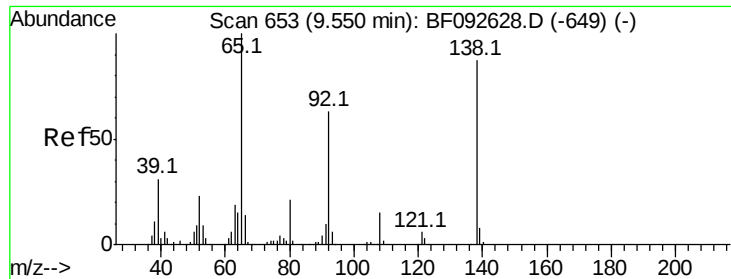
Acq: 22 Feb 2017 15:39

Tgt Ion:	162	Resp:	762822
Ion Ratio	Lower	Upper	
162	100		
127	41.4	30.7	46.1
164	32.5	27.6	41.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





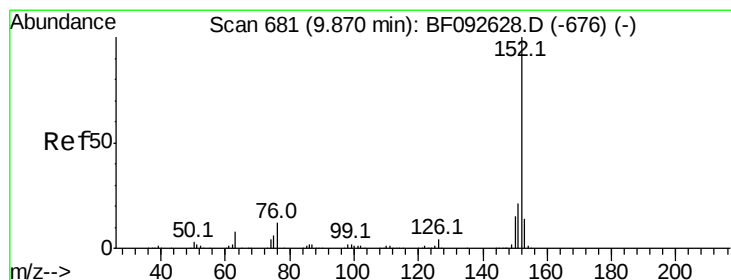
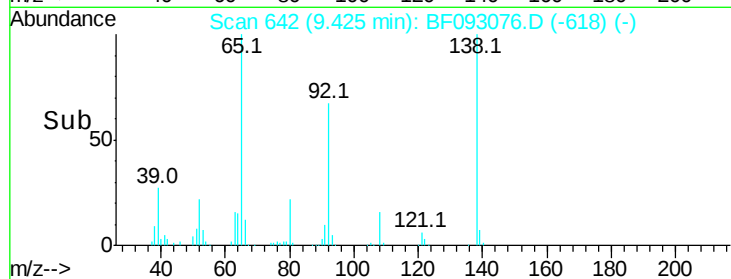
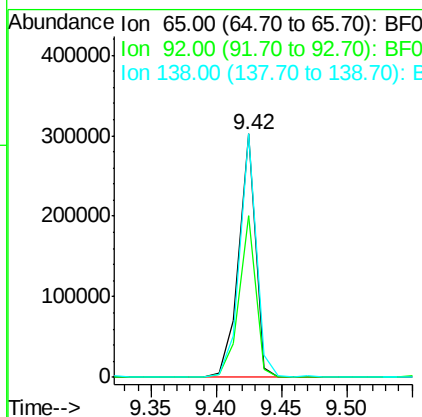
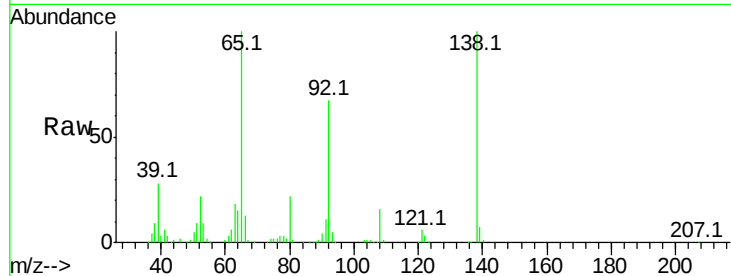
#47
2-Nitroaniline
Concen: 46.67 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.9	80.9
138	99.8	76.8	115.2

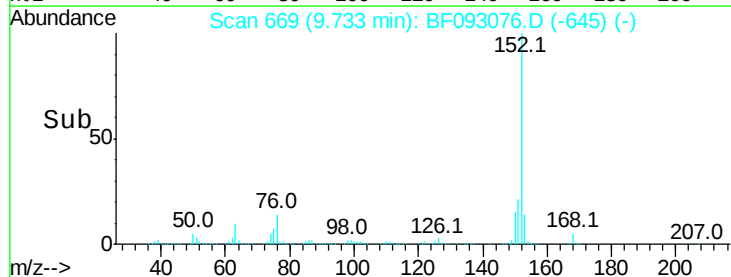
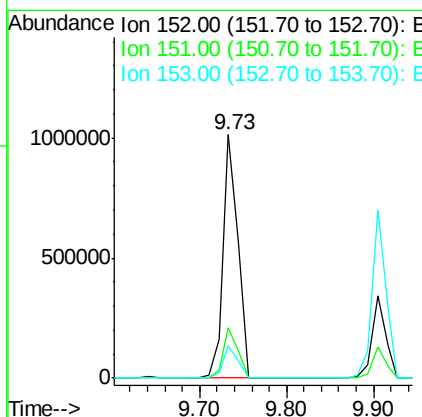
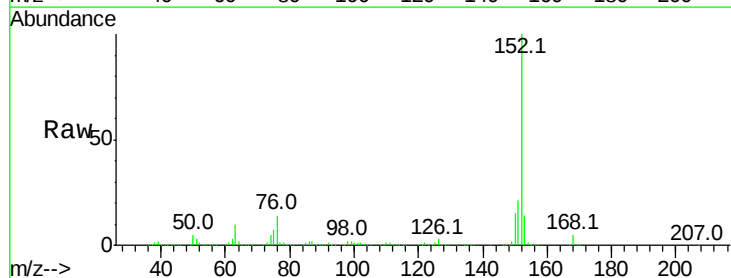
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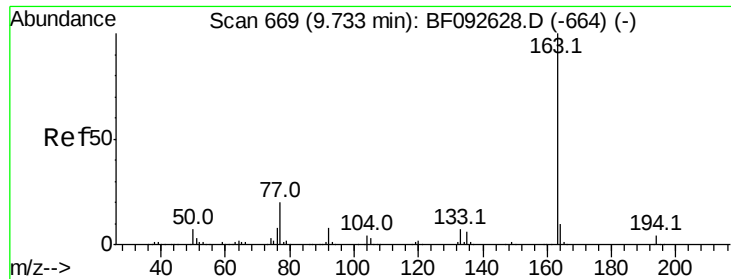
mohammad
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#48
Acenaphthylene
Concen: 40.74 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.9	25.3
153	13.5	11.4	17.2





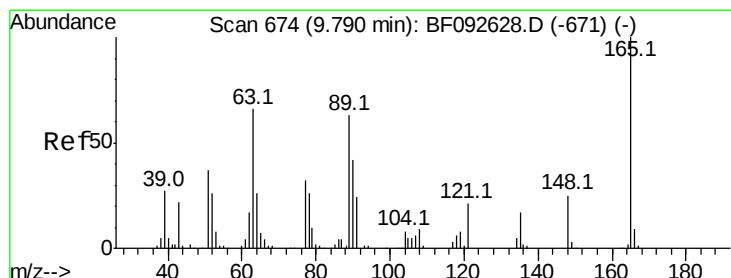
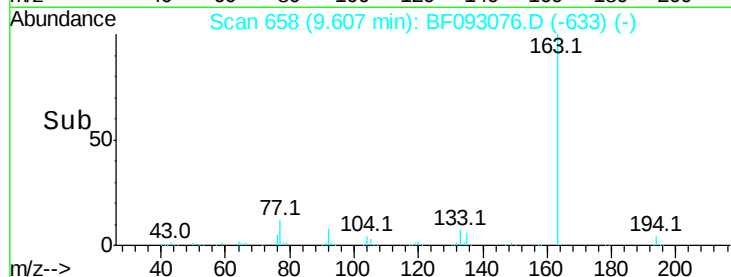
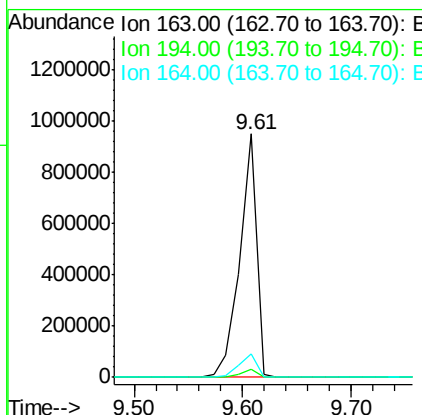
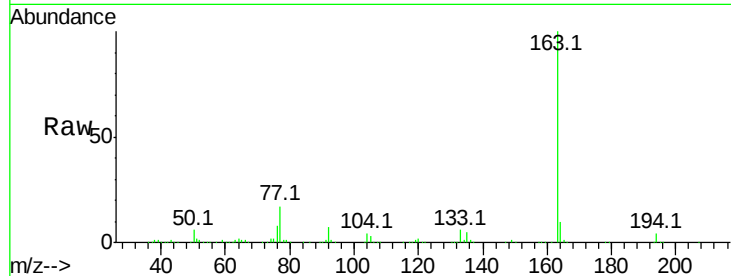
#49
Dimethylphthalate
Concen: 49.16 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion:163 Resp: 1003489
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.8 8.0 12.0

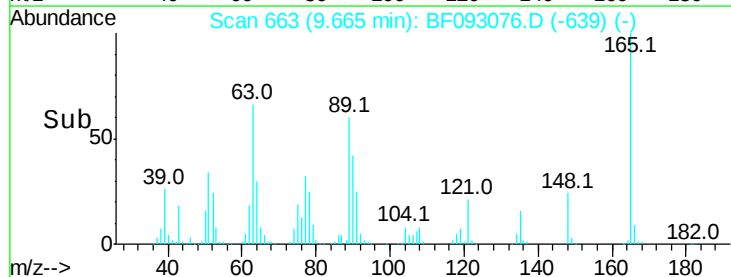
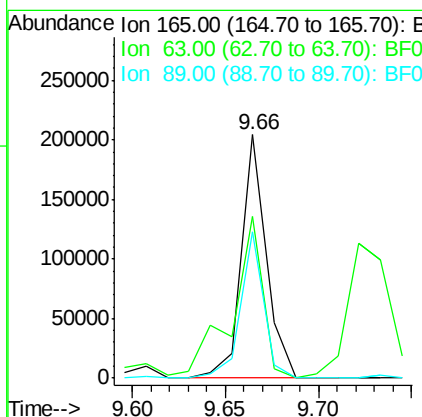
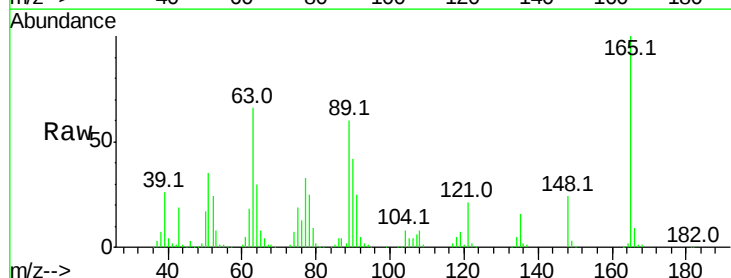
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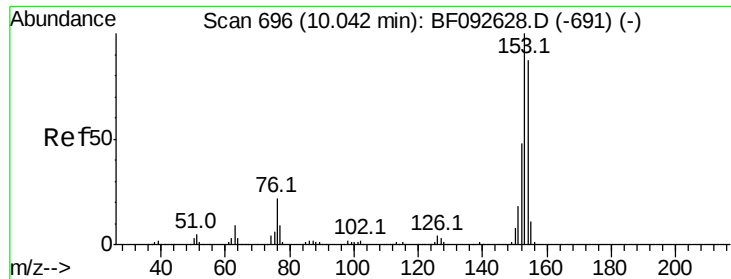
mohammad
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#50
2,6-Dinitrotoluene
Concen: 43.09 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion:165 Resp: 189940
Ion Ratio Lower Upper
165 100
63 66.2 36.2 54.4#
89 60.4 40.2 60.4#





#51

Acenaphthene

Concen: 39.49 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

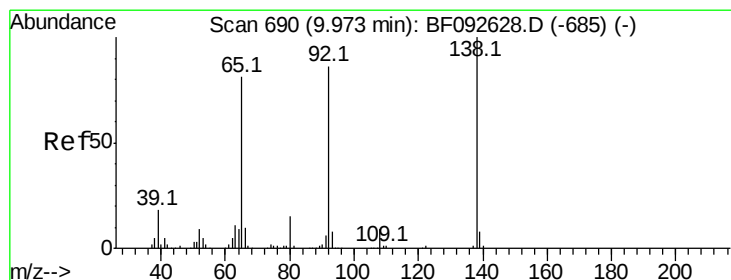
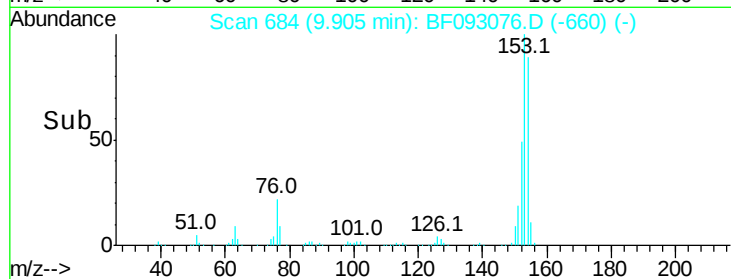
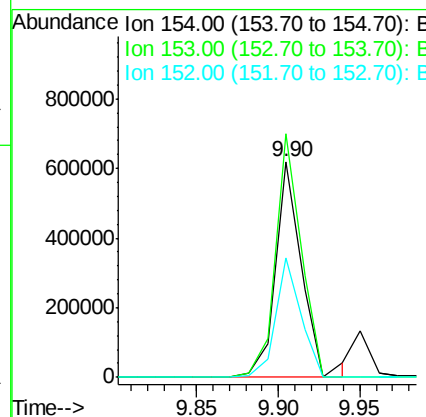
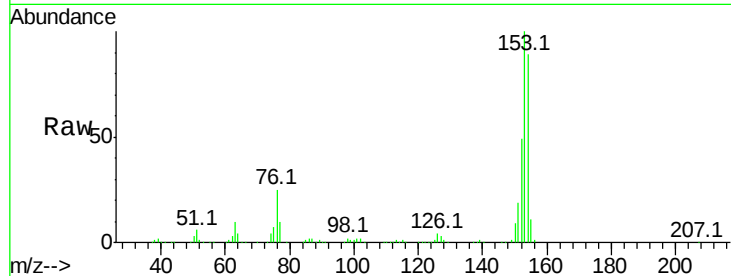
ClientSampleId :

PB97102BS

Tot Ion:	154	Resp:	700178
Ion Ratio	Lower	Upper	
154	100		
153	112.9	88.6	133.0
152	55.3	41.6	62.4

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#52

3-Nitroaniline

Concen: 18.73 ng

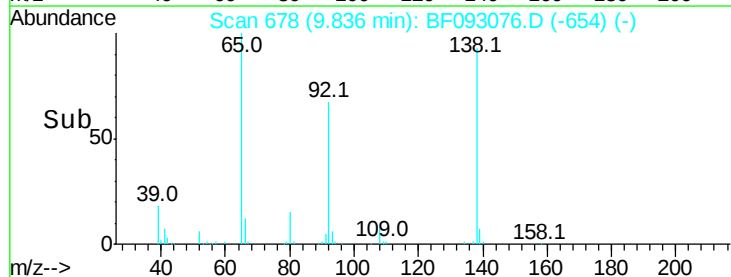
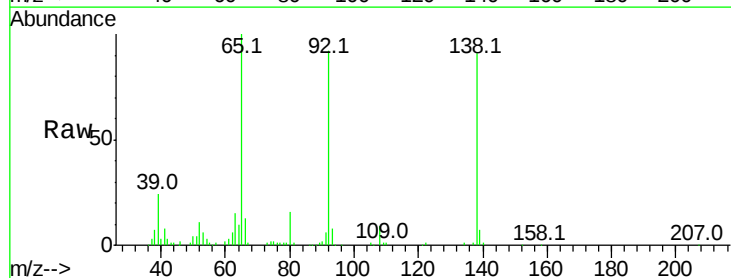
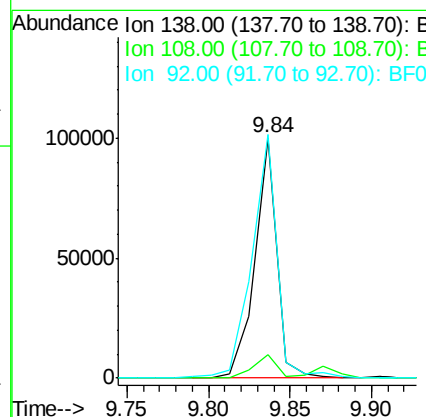
RT: 9.84 min Scan# 678

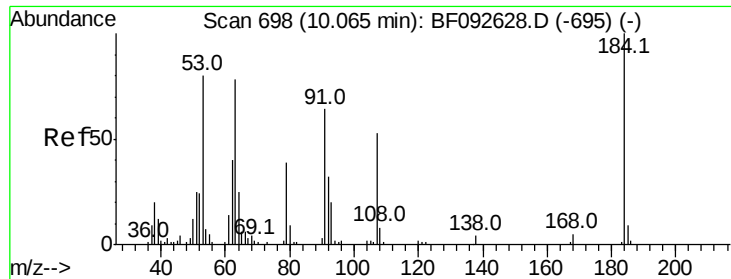
Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	138	Resp:	94467
Ion Ratio	Lower	Upper	
138	100		
108	9.8	8.5	12.7
92	101.3	97.8	146.8





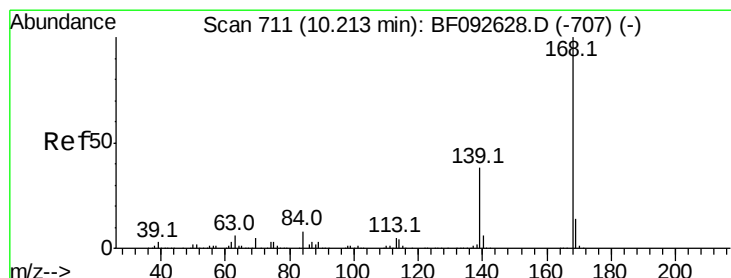
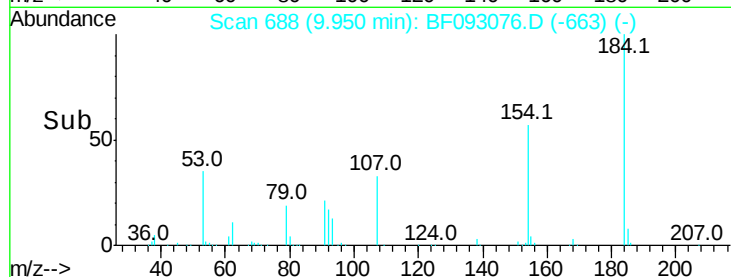
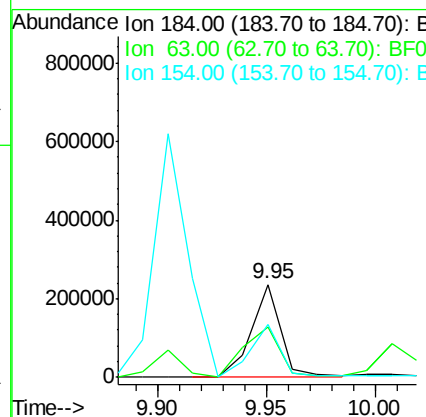
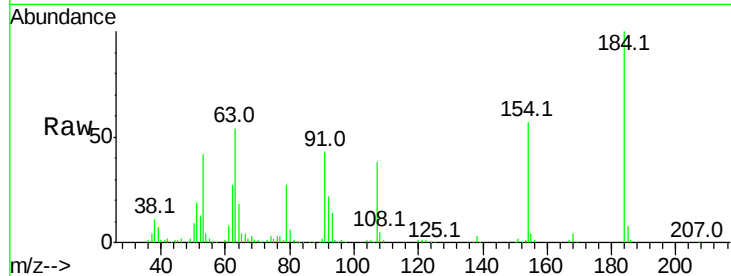
#53
 2,4-Dinitrophenol
 Concen: 98.96 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Lower	Upper
184	100		
63	54.1	28.4	42.6#
154	57.3	44.3	66.5

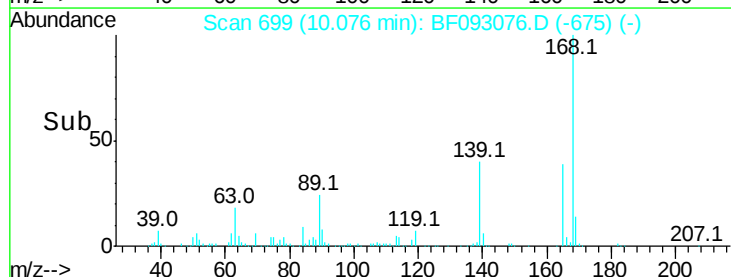
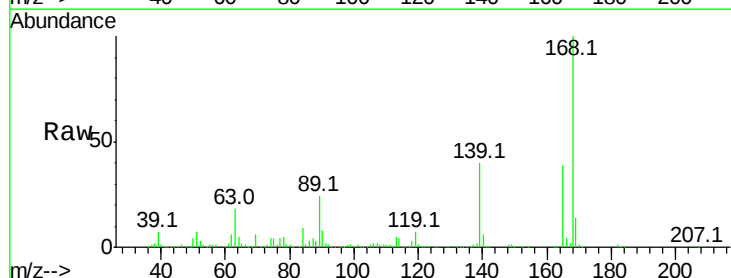
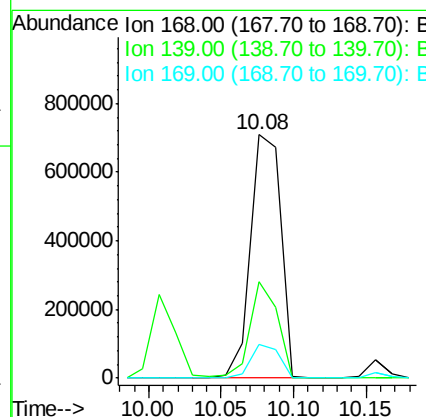
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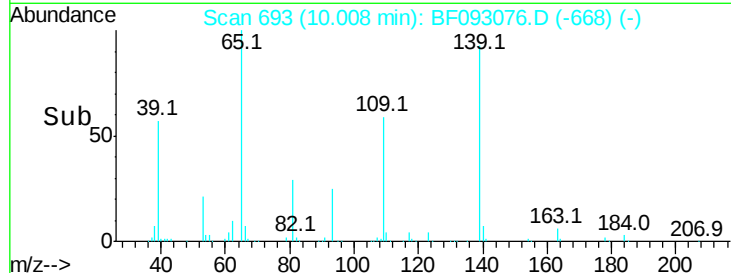
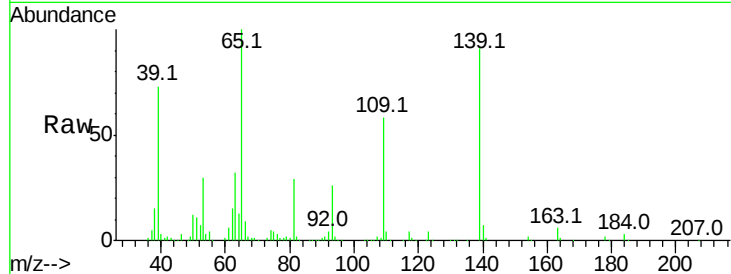
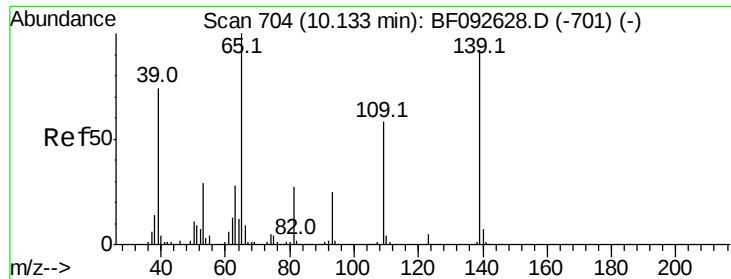
mohammad
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#54
 Dibenzofuran
 Concen: 43.28 ng
 RT: 10.08 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.6	49.0
169	13.7	11.3	16.9





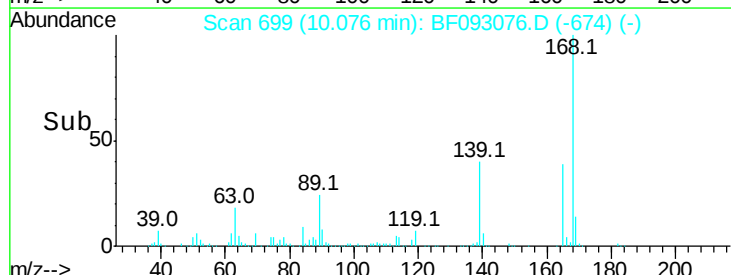
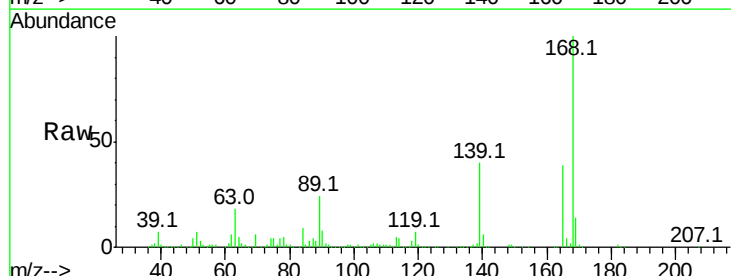
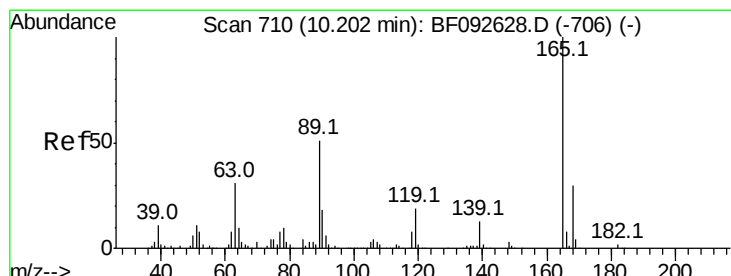
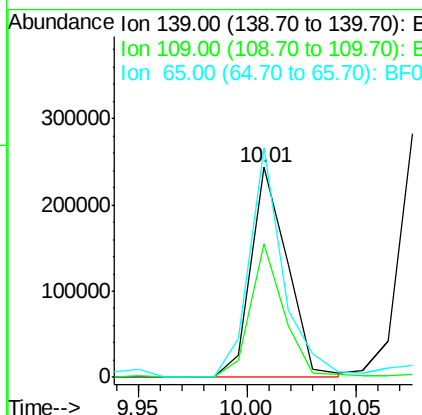
#55
4-Nitrophenol
Concen: 78.24 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tot Ion	Ratio	Resp	Lower	Upper
139	100	284267		
109	63.5	52.2	92.2	
65	109.4	85.8	125.8	

Instrument :
BNA_F
ClientSampleId :
PB97102BS

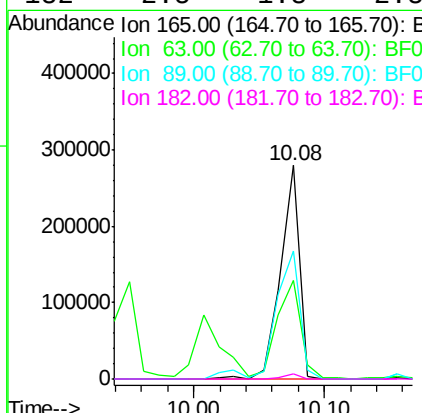
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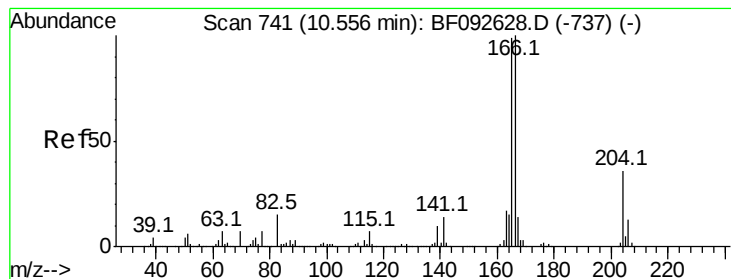
mohammad
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#56
2,4-Dinitrotoluene
Concen: 48.45 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	284310		
63	46.4	40.2	60.4	
89	59.9	62.5	93.7#	
182	2.5	1.8	2.8	





#57

Fluorene

Concen: 41.23 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

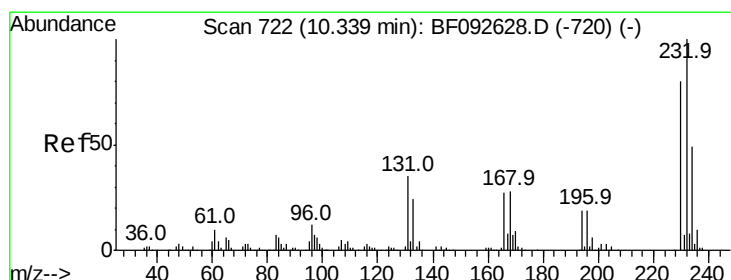
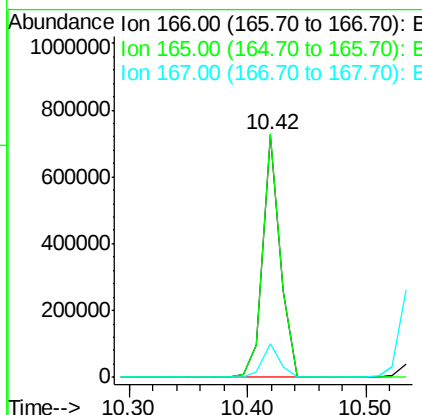
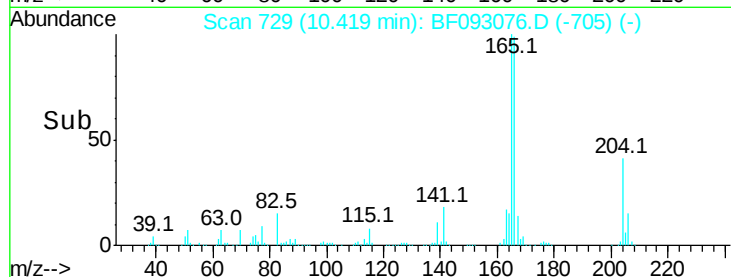
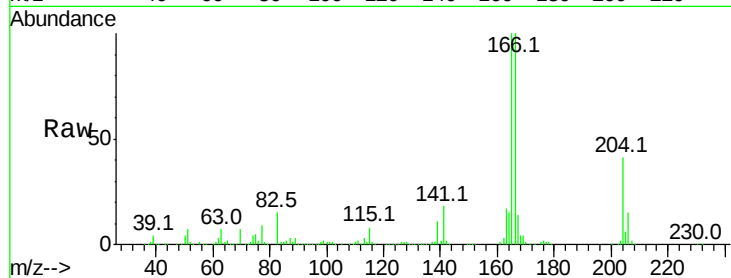
ClientSampled :

PB97102BS

Tot Ion:	166	Resp:	752111
Ion Ratio	Lower	Upper	
166	100		
165	100.4	77.8	116.8
167	13.8	10.8	16.2

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2/23/2017 1:16:00 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.94 ng

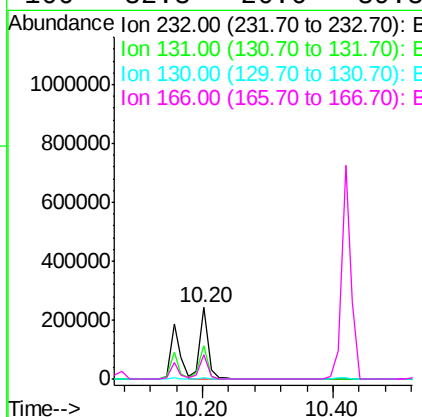
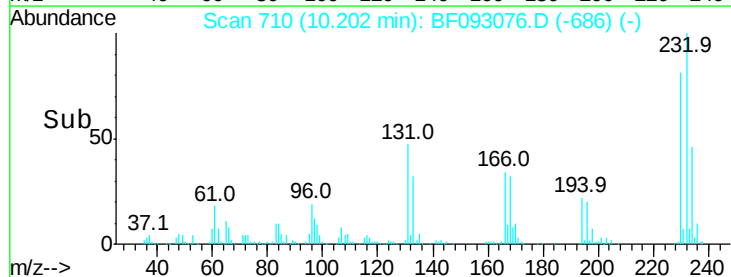
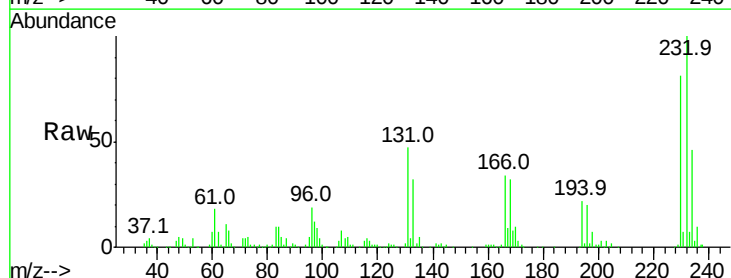
RT: 10.20 min Scan# 710

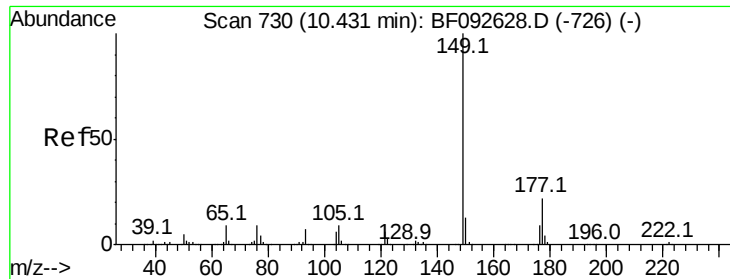
Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	232	Resp:	216276
Ion Ratio	Lower	Upper	
232	100		
131	47.8	40.1	60.1
130	2.2	1.8	2.8
166	32.3	26.6	39.8





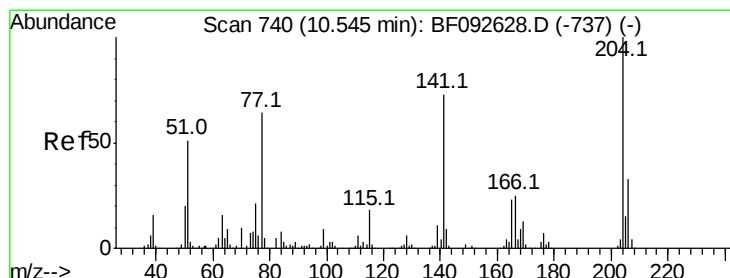
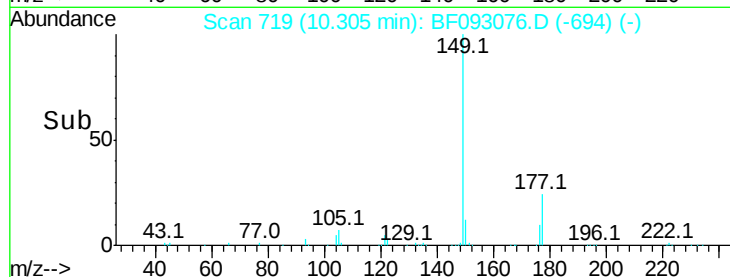
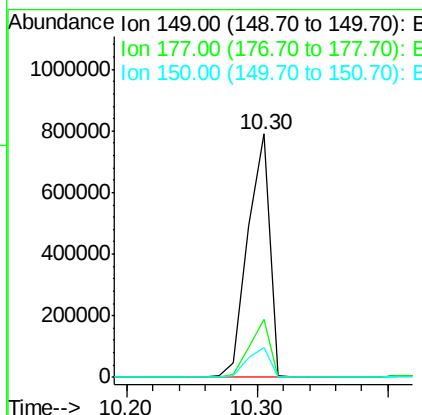
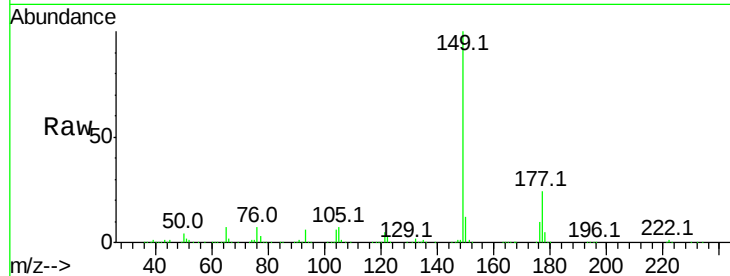
#59
Diethylphthalate
Concen: 47.86 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampled :
PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
177	24.1	16.6	25.0	
150	12.0	10.4	15.6	

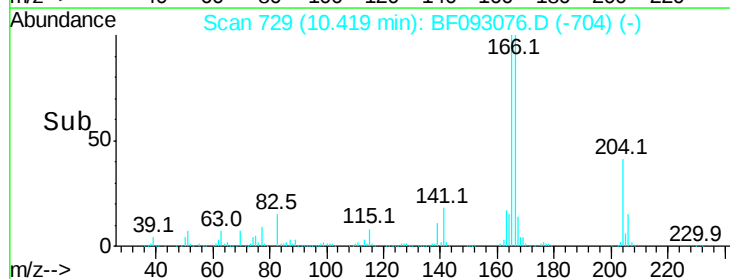
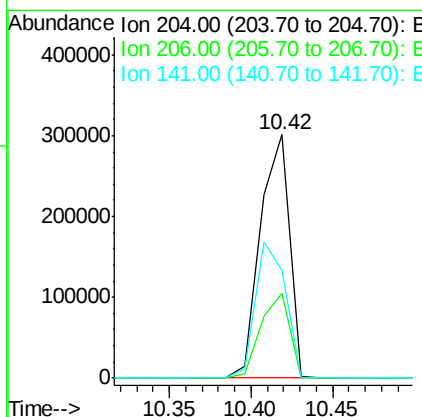
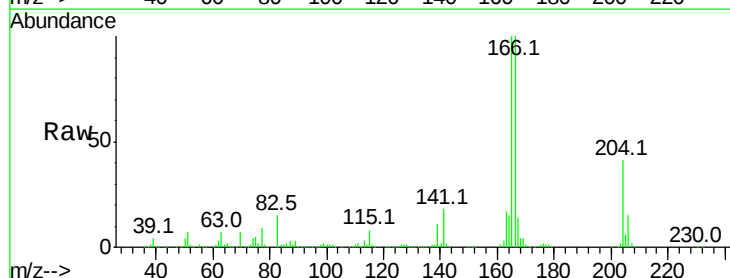
Manual Integrations
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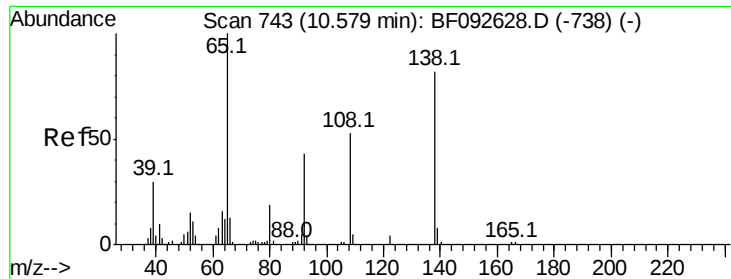
mohammad
2/23/2017 1:16:00 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.69 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
204	100			
206	35.1	25.8	38.6	
141	44.2	59.4	89.0	





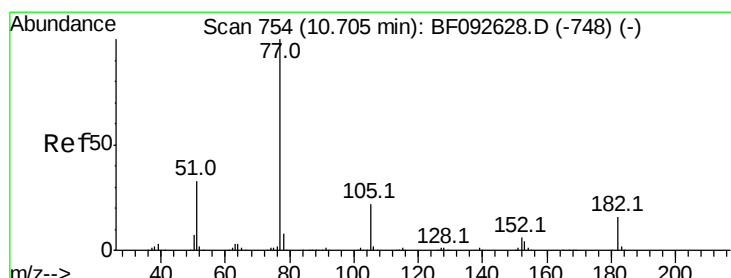
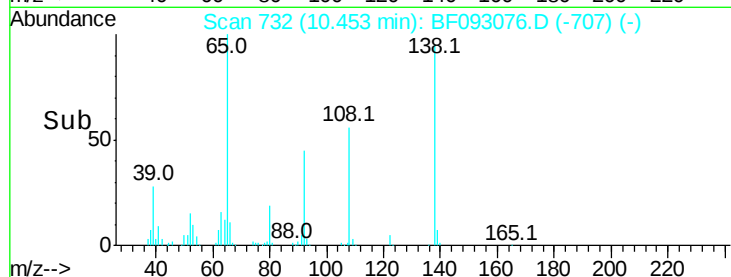
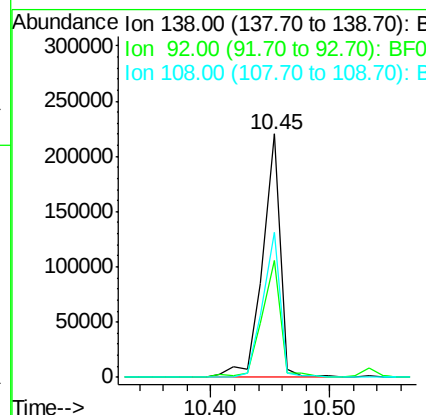
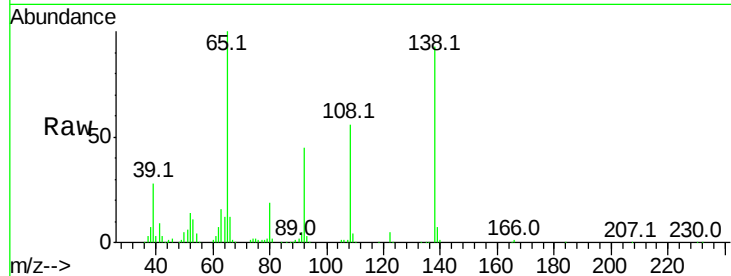
#61
4-Nitroaniline
Concen: 44.71 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.9	31.7	71.7
108	59.7	52.6	92.6

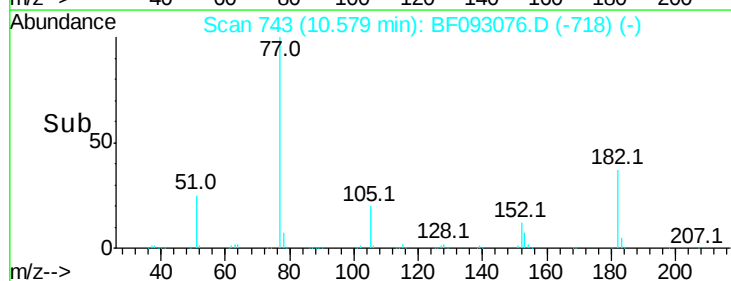
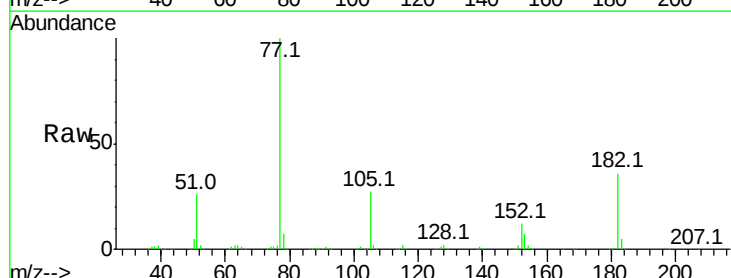
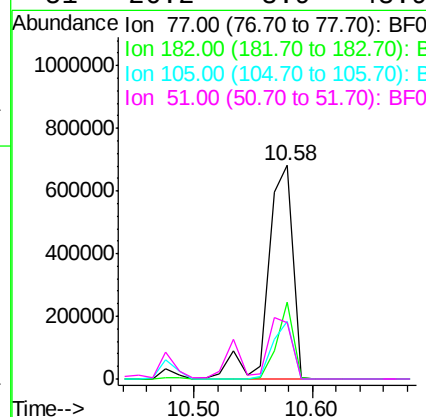
Manual Integrations
APPROVED

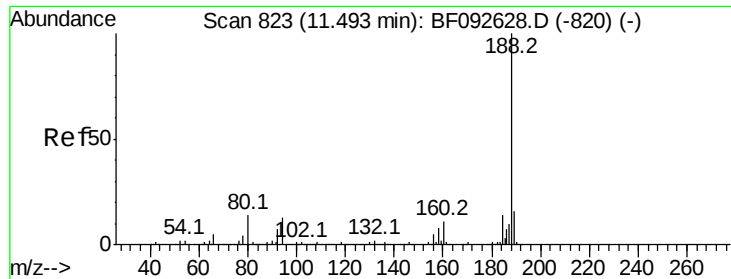
mohammad
2/23/2017 1:16:00 PM



#62
Azobenzene
Concen: 49.85 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	35.8	0.0	39.3
105	27.0	2.3	42.3
51	26.2	8.9	48.9





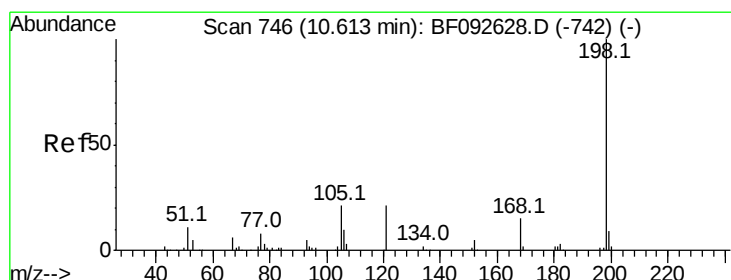
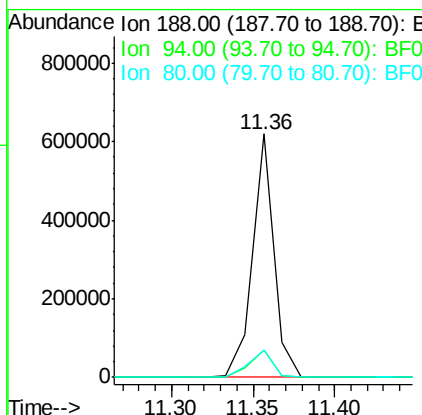
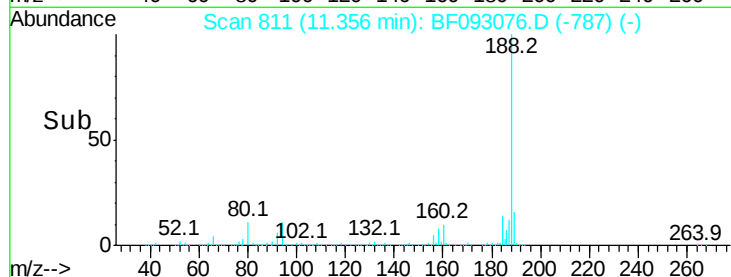
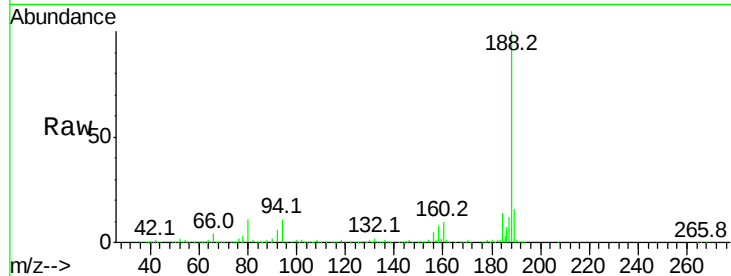
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	565302		
94	11.0		10.0	15.0
80	11.4		11.2	16.8

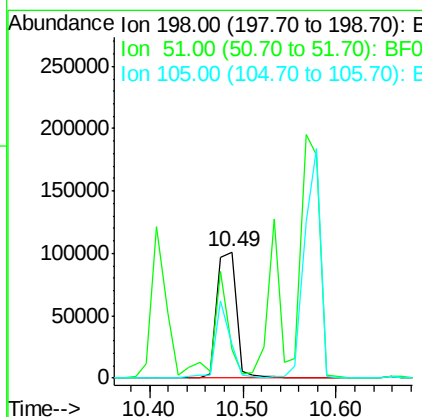
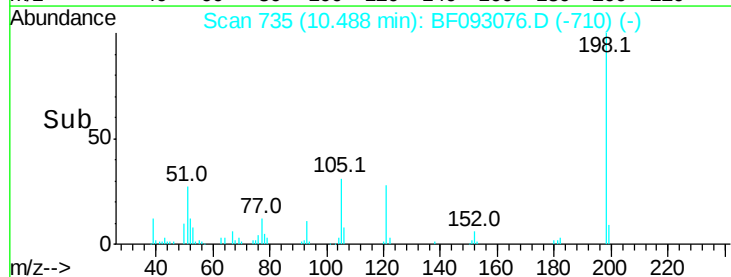
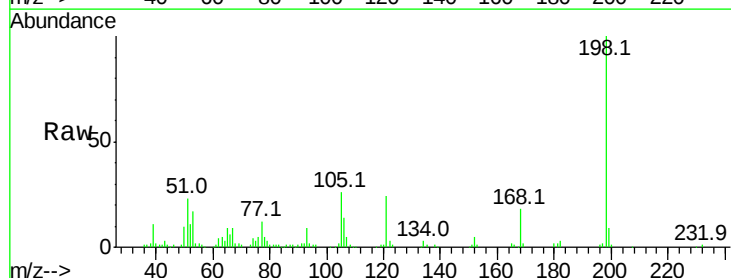
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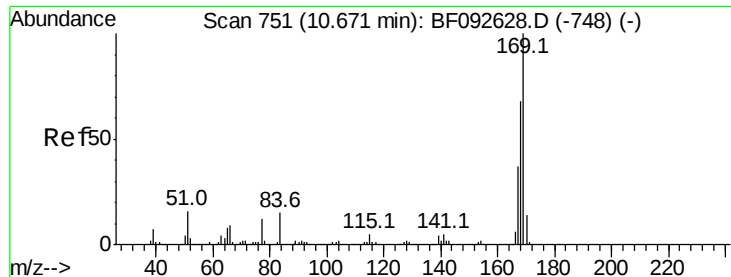
mohammad
2/23/2017 1:16:00 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 43.03 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	147049		
51	22.8		6.7	46.7
105	26.3		16.6	56.6





#65

n-Nitrosodiphenylamine

Concen: 38.33 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

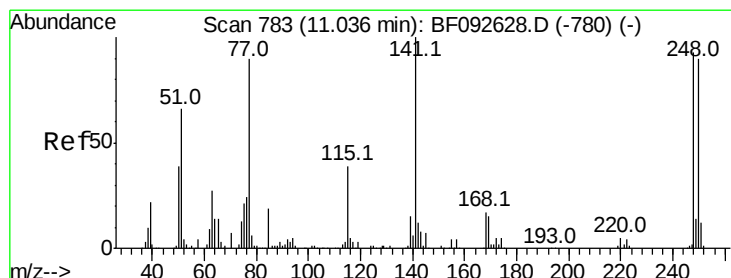
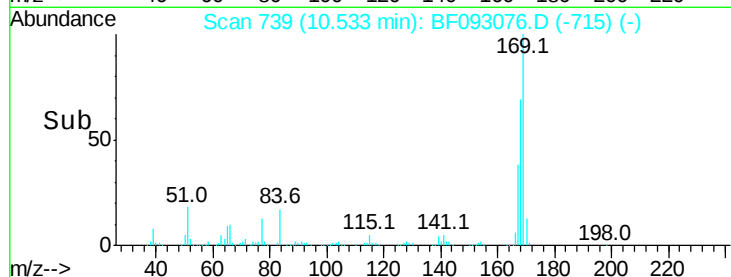
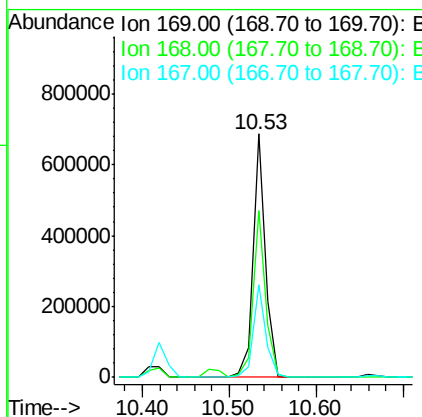
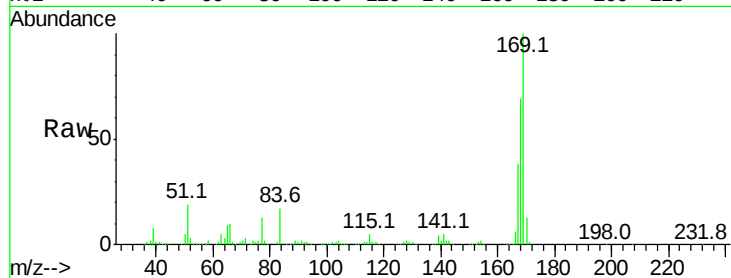
ClientSampleId :

PB97102BS

Tot Ion:	169	Resp:	692170
Ion Ratio	Lower	Upper	
169	100		
168	68.7	54.2	81.2
167	38.0	30.2	45.4

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#66

4-Bromophenyl-phenylether

Concen: 36.68 ng

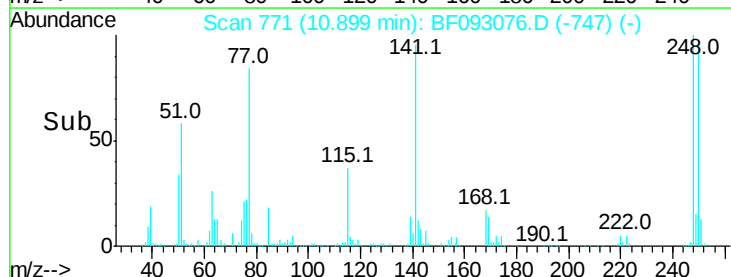
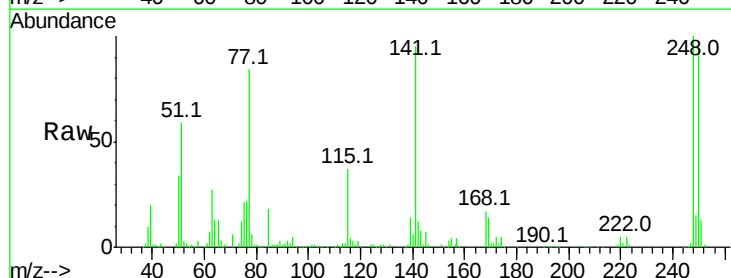
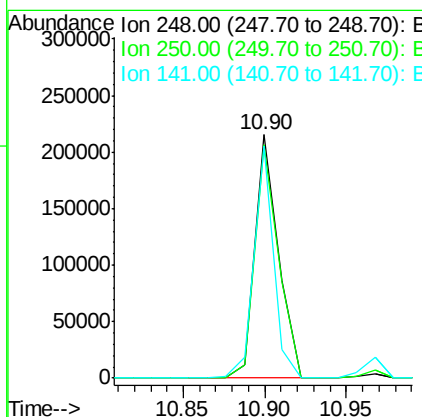
RT: 10.90 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	248	Resp:	216633
Ion Ratio	Lower	Upper	
248	100		
250	95.9	76.9	115.3
141	95.5	68.2	102.4





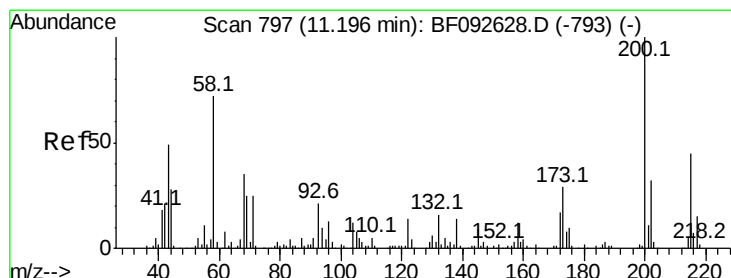
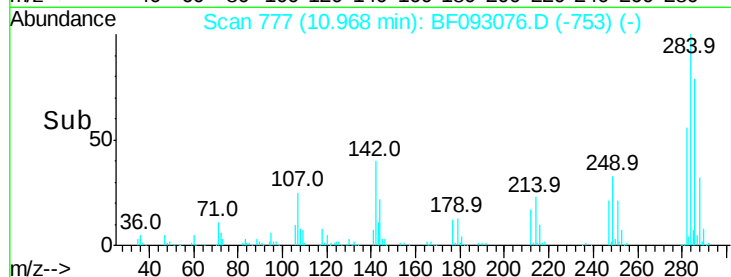
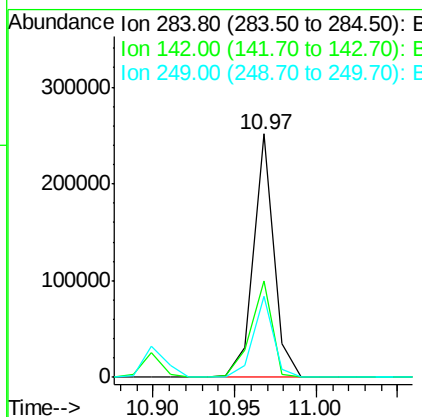
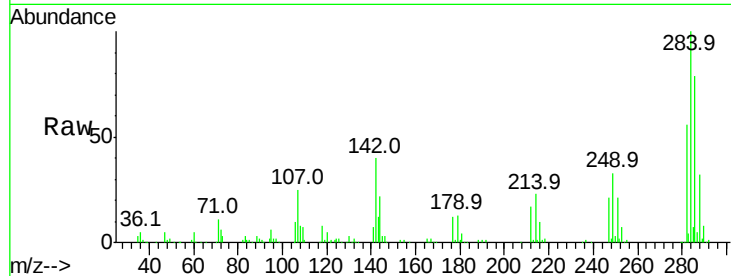
#67
Hexachlorobenzene
Concen: 37.69 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	219960		
142	39.6	22.6	33.8#	
249	33.5	25.4	38.0	

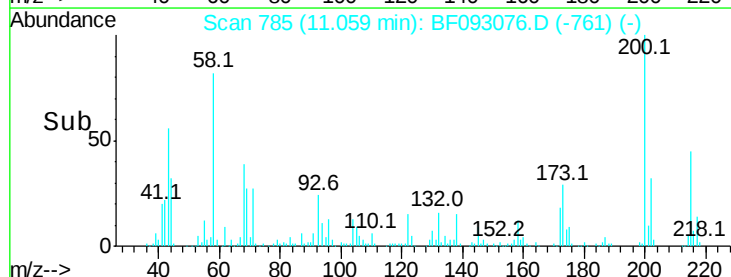
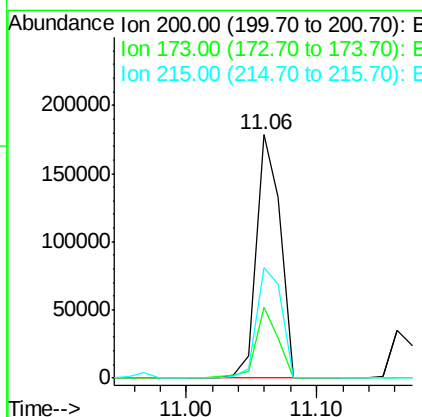
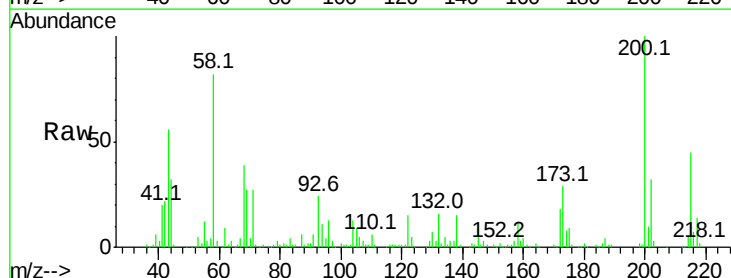
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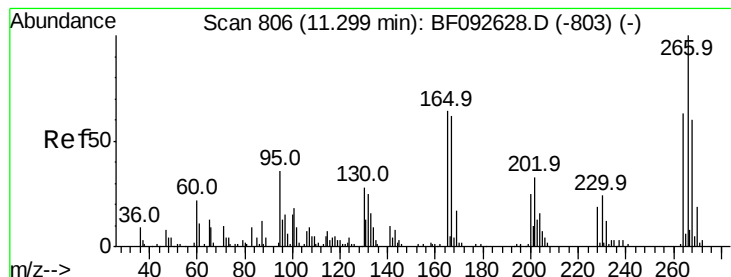
mohammad
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#68
Atrazine
Concen: 39.12 ng
RT: 11.06 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	226687		
173	28.9	9.6	49.6	
215	45.3	25.7	65.7	





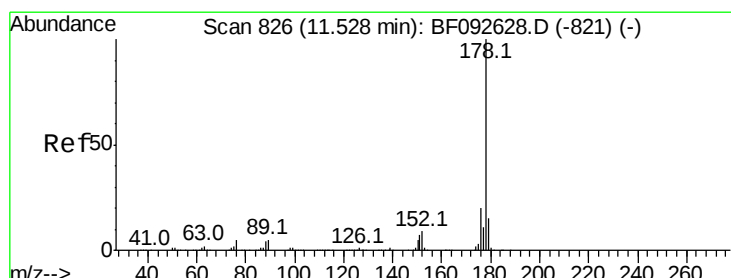
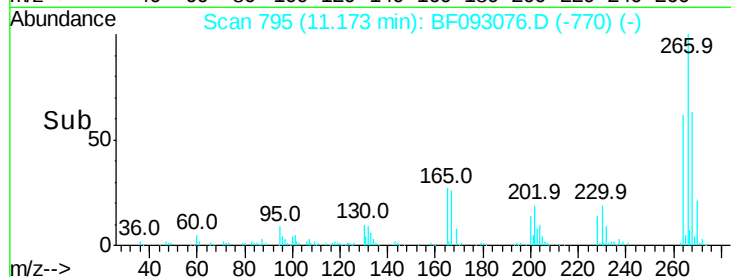
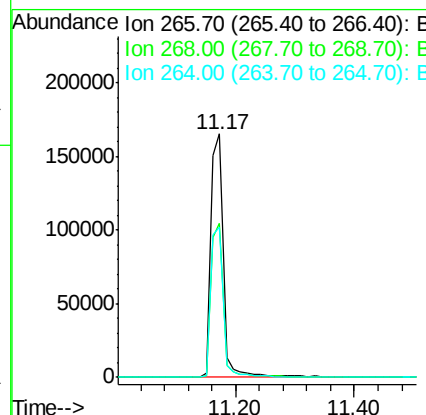
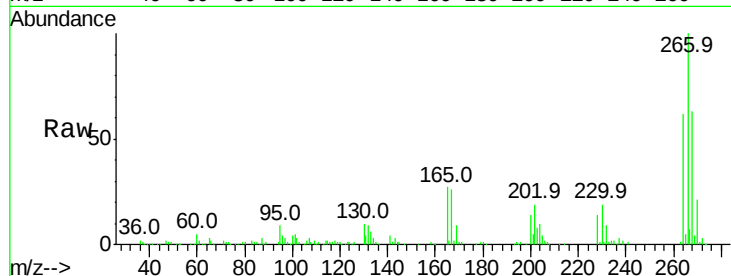
#69
 Pentachlorophenol
 Concen: 81.50 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.5	53.3	79.9
264	61.6	50.3	75.5

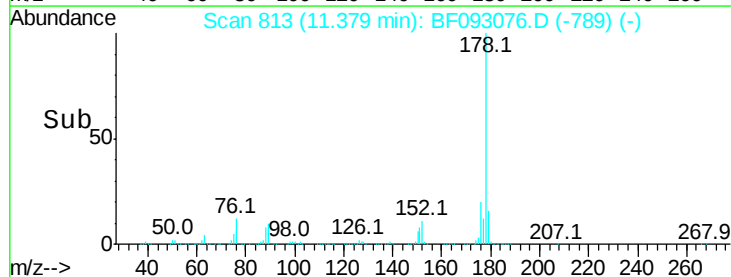
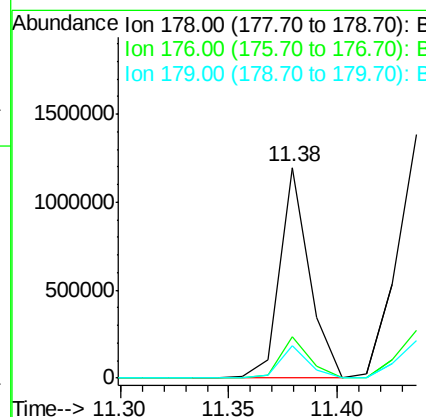
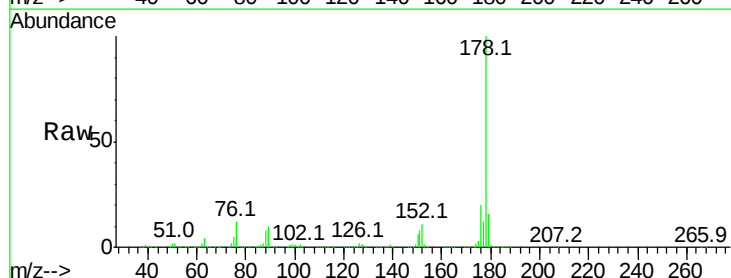
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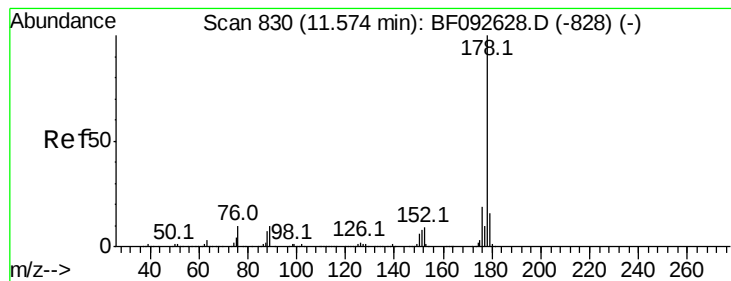
mohammad
 2/23/2017 1:16:00 PM



#70
 Phenanthrene
 Concen: 34.93 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.7	12.8	19.2





#71

Anthracene

Concen: 41.65 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PB97102BS

Tot Ion:178 Resp: 1354485

Ion Ratio Lower Upper

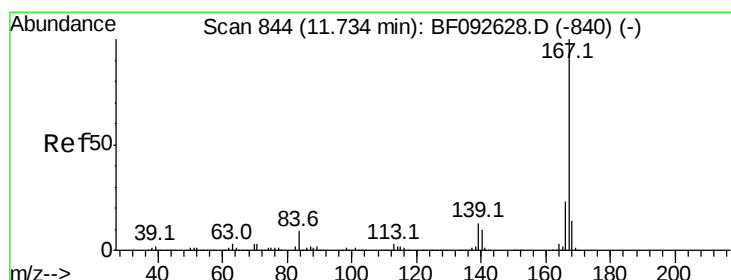
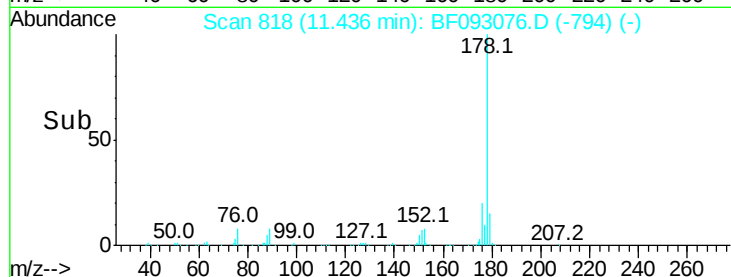
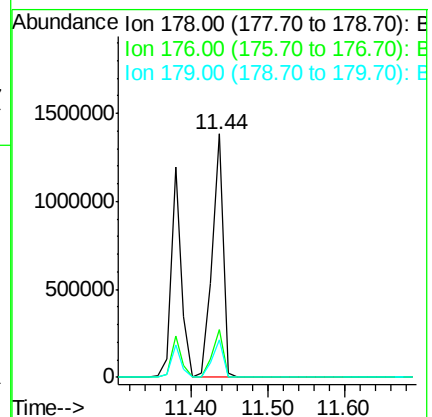
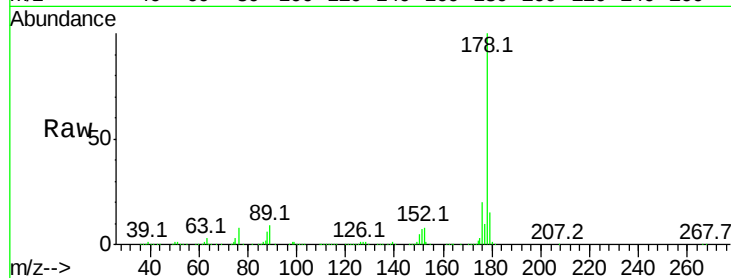
178 100

176 19.5 15.9 23.9

179 15.2 13.2 19.8

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#72

Carbazole

Concen: 37.74 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

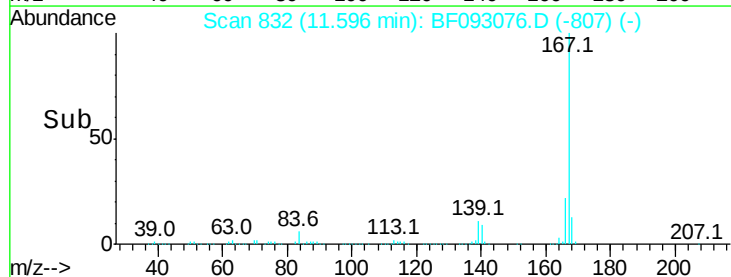
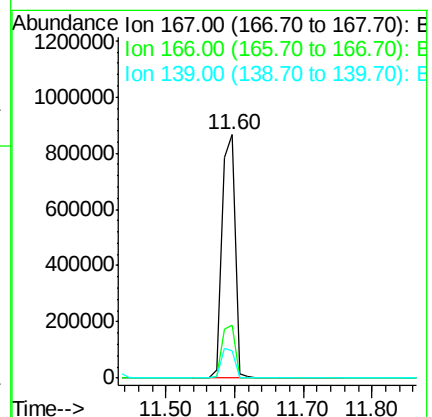
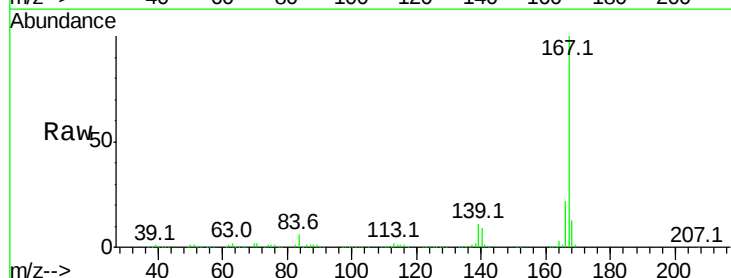
Tgt Ion:167 Resp: 1173297

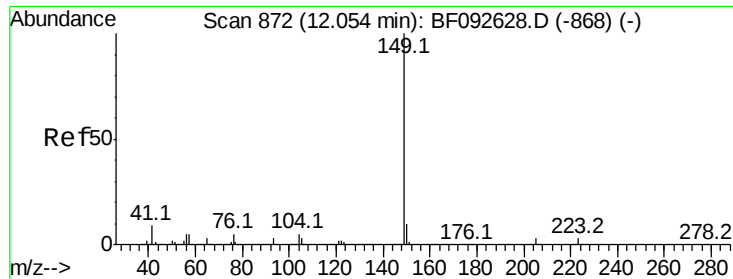
Ion Ratio Lower Upper

167 100

166 21.8 18.2 27.2

139 11.4 11.4 17.2#





#73

Di-n-butylphthalate

Concen: 38.70 ng

RT: 11.92 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

ClientSampleId :

PB97102BS

Tot Ion:149 Resp: 1301058

Ion Ratio Lower Upper

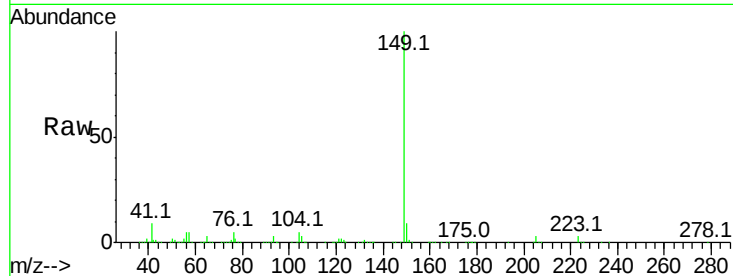
149 100

150 9.3 8.1 12.1

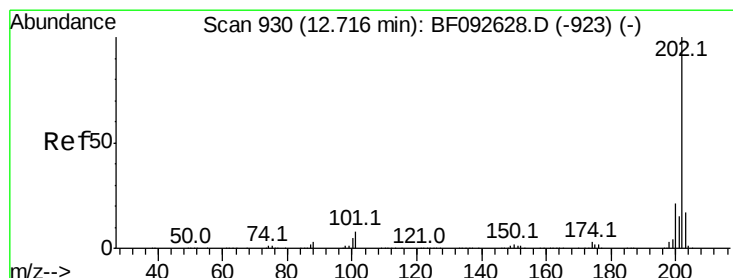
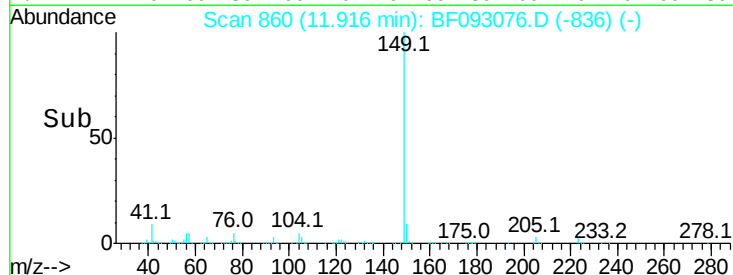
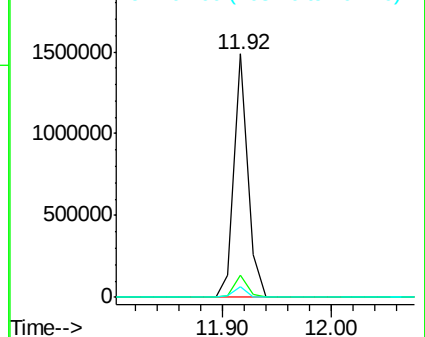
104 4.6 4.6 7.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.70 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

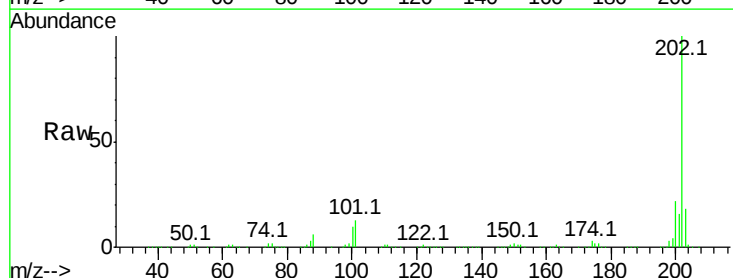
Tgt Ion:202 Resp: 1225872

Ion Ratio Lower Upper

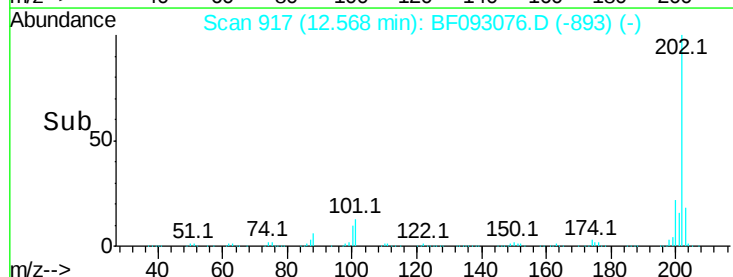
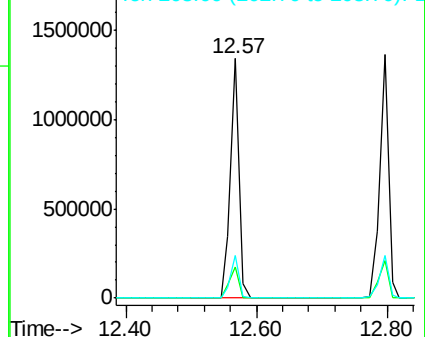
202 100

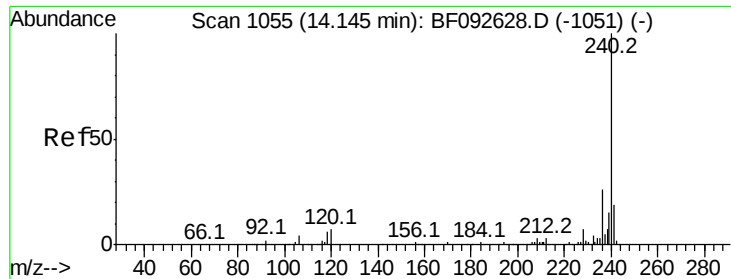
101 12.9 0.0 34.6

203 17.8 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

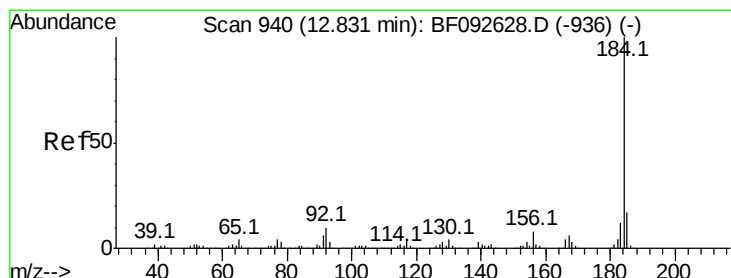
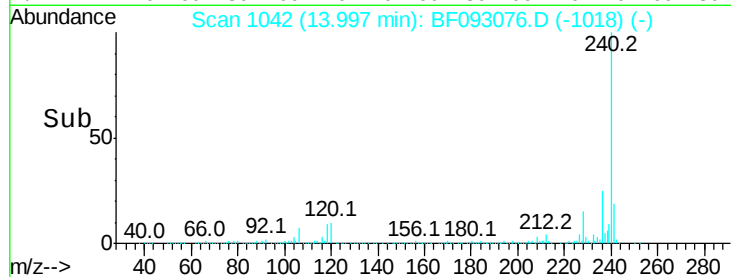
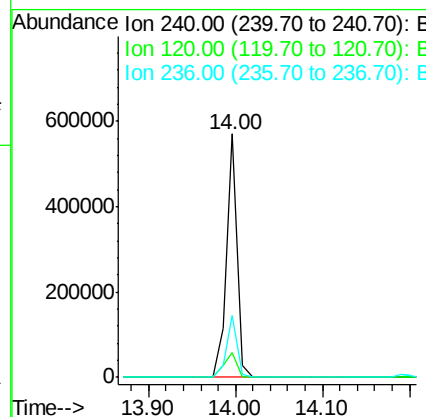
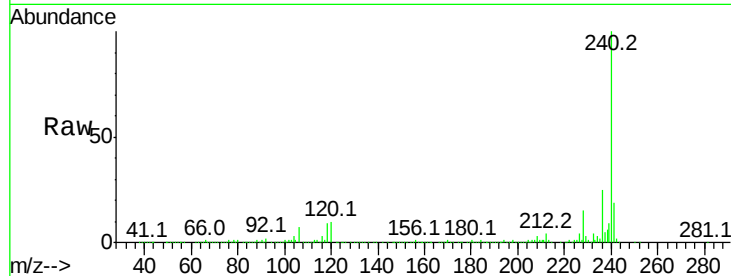
ClientSampleId :

PB97102BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	25.4	20.9	31.3

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#76

Benzidine

Concen: 16.05 ng

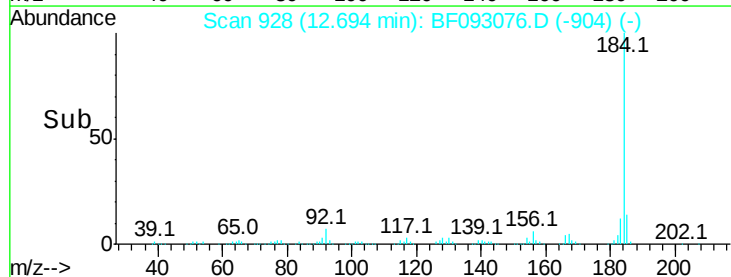
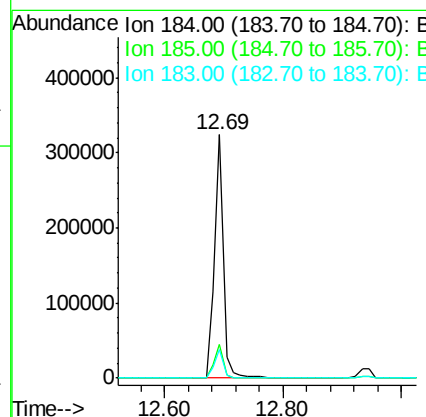
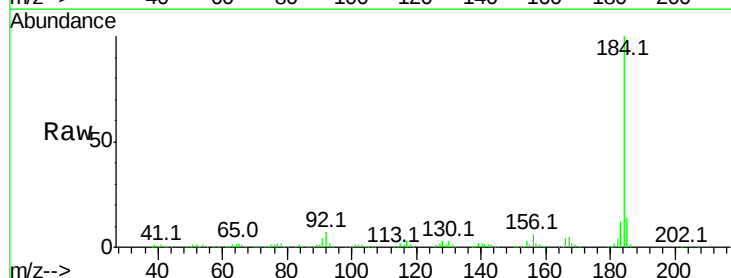
RT: 12.69 min Scan# 928

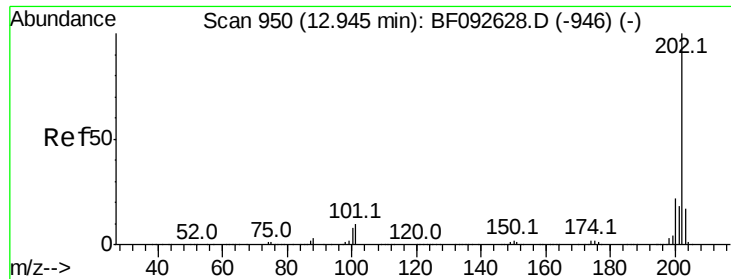
Delta R.T. -0.02 min

Lab File: BF093076.D

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Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.8	13.4	20.0
183	11.7	9.2	13.8





#77

Pvrene

Concen: 34.17 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

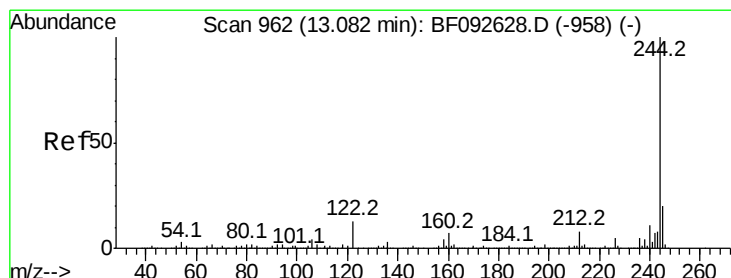
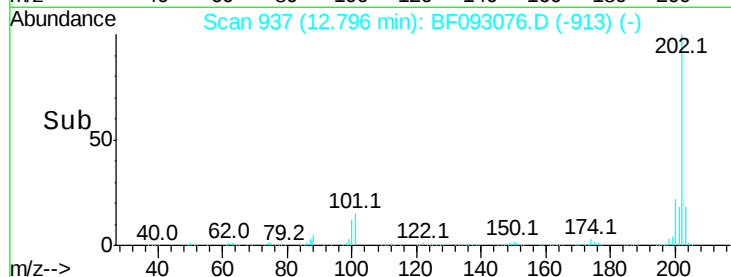
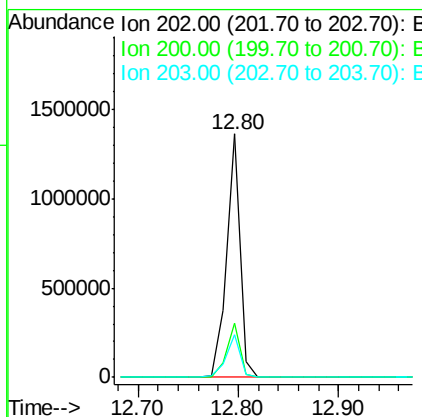
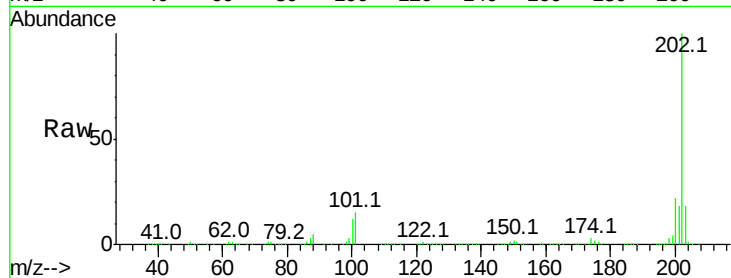
ClientSampleId :

PB97102BS

Tot Ion:	202	Resp:	1267954
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	17.6	14.7	22.1

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#78

Terphenyl-d14

Concen: 67.73 ng

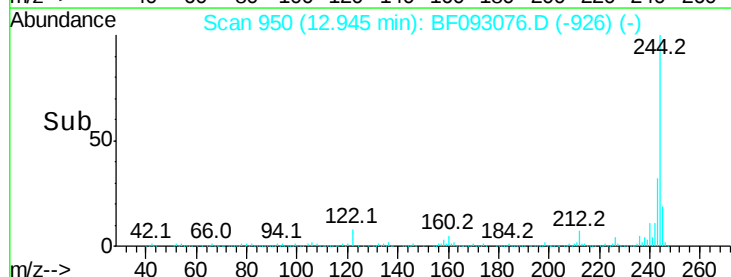
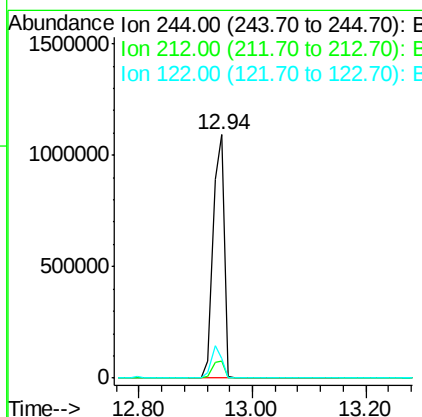
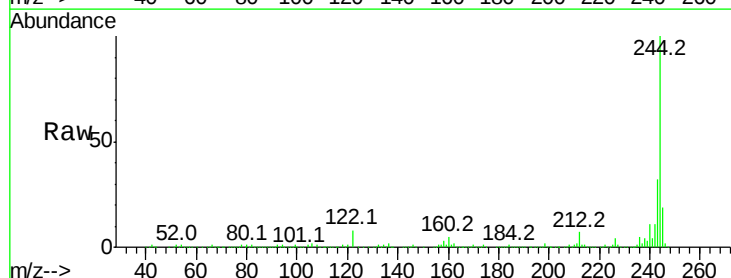
RT: 12.94 min Scan# 950

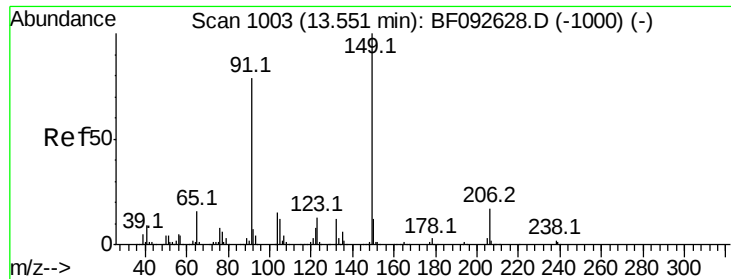
Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	244	Resp:	1429506
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	8.0	11.4	17.2#





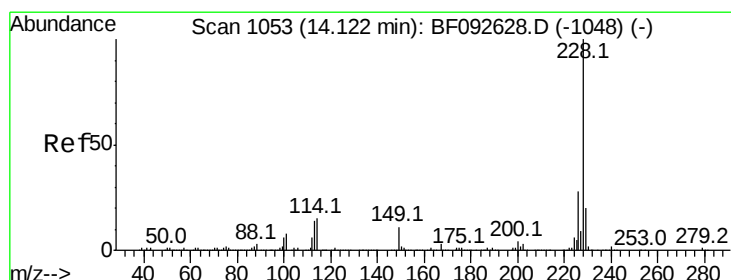
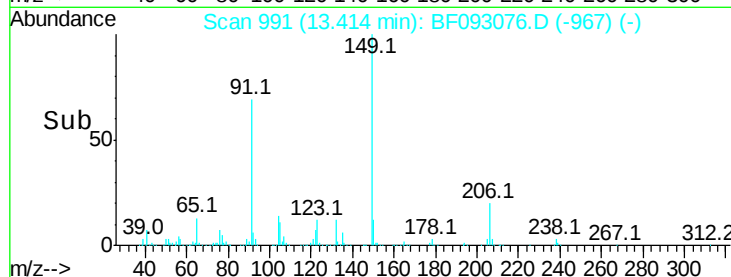
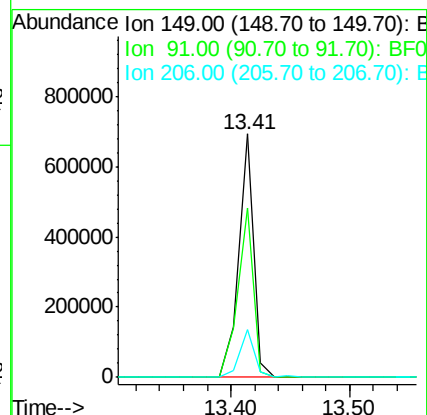
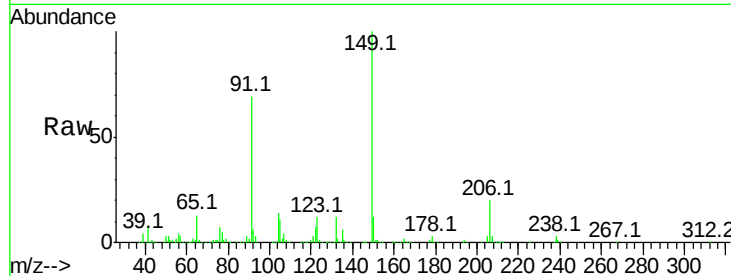
#79
Butylbenzylphthalate
Concen: 40.21 ng
RT: 13.41 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	605968		
91	69.5		63.9	95.9
206	19.8		14.6	21.8

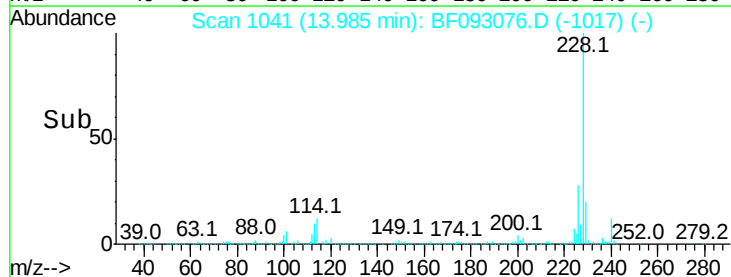
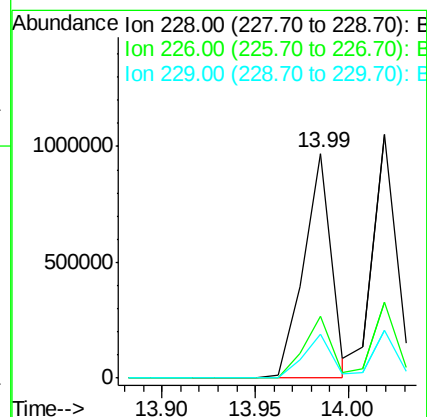
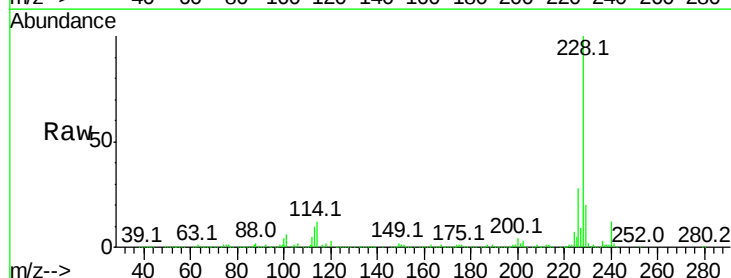
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#80
Benzo(a)anthracene
Concen: 33.14 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1005028		
226	27.8		22.4	33.6
229	19.7		16.2	24.4





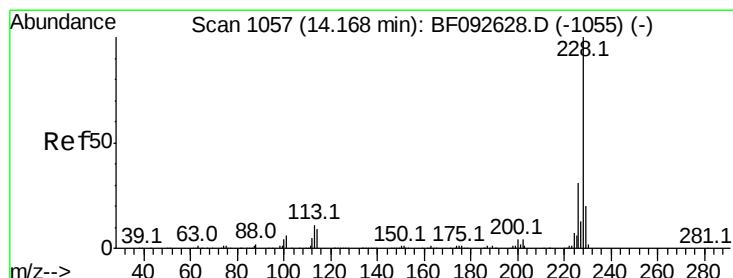
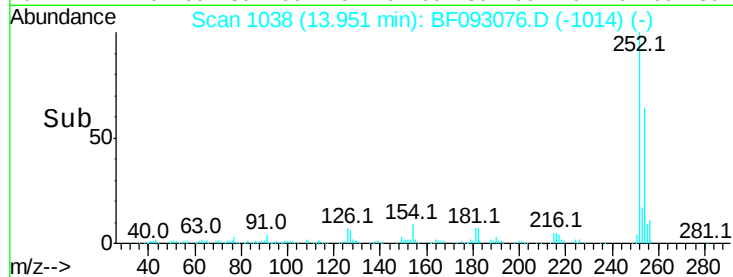
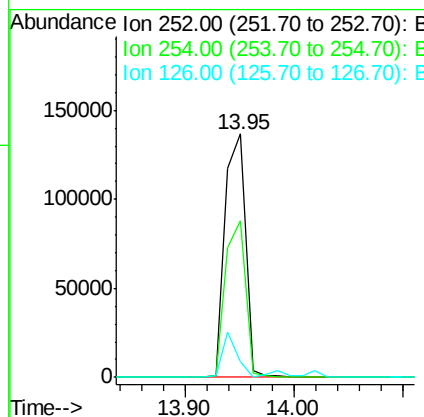
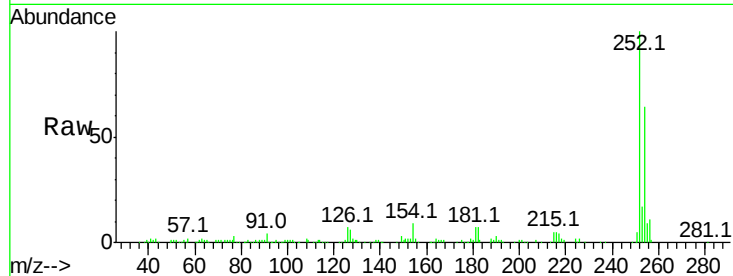
#81
 3,3'-Dichlorobenzidine
 Concen: 16.60 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	179522		
254	64.5	52.3	78.5	
126	6.7	13.6	20.4	

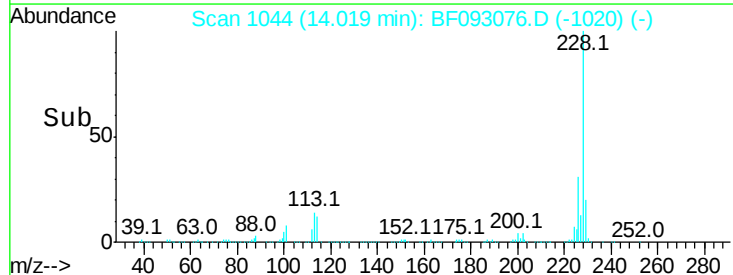
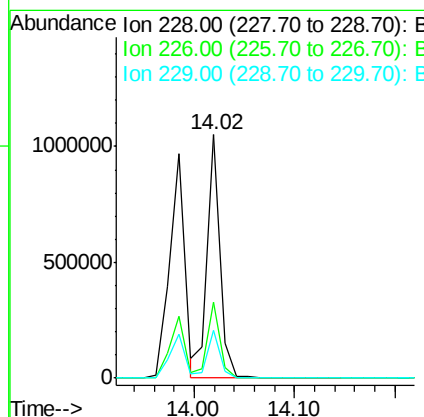
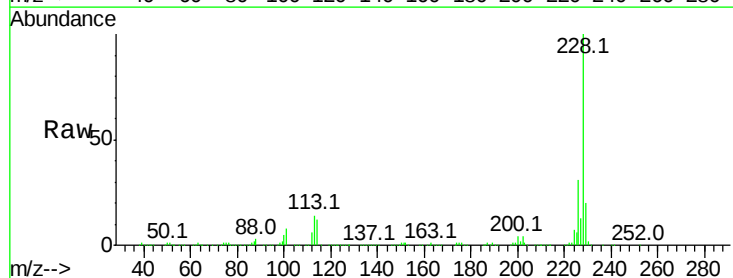
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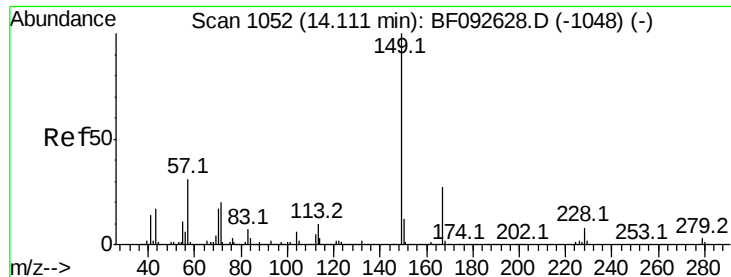
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#82
 Chrysene
 Concen: 32.84 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	932620		
226	31.3	25.4	38.0	
229	19.7	16.2	24.2	





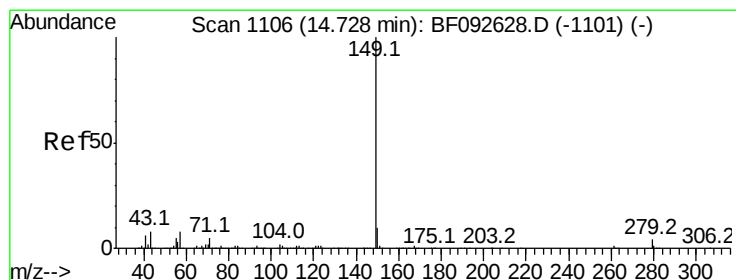
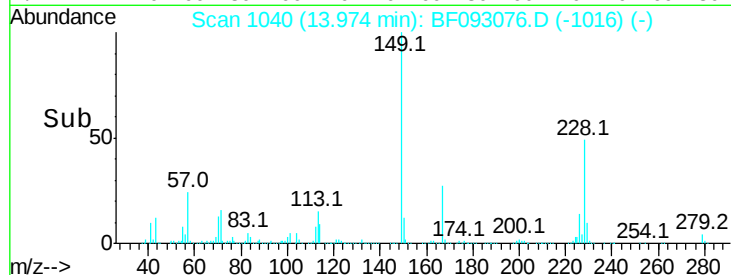
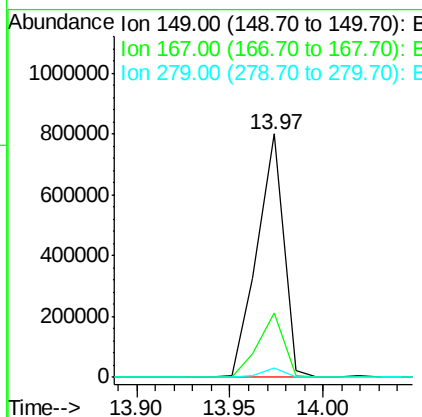
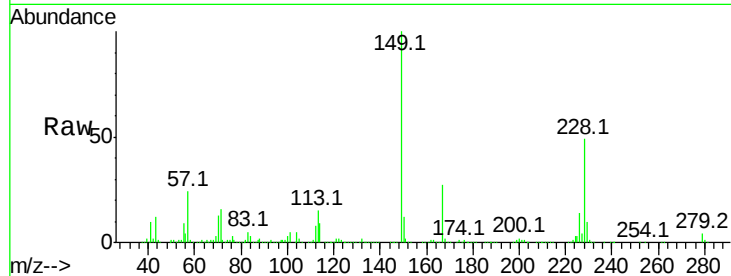
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.36 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampled :
 PB97102BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	790695		
167	26.7	20.2	30.4	
279	3.8	1.8	2.8#	

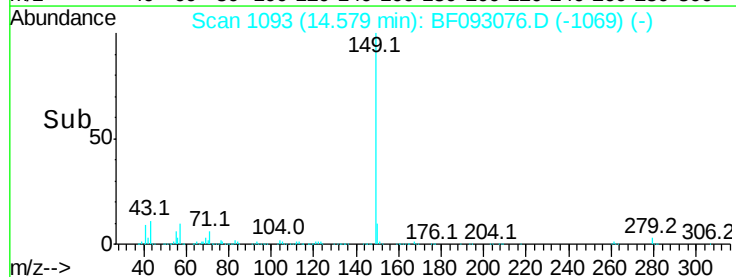
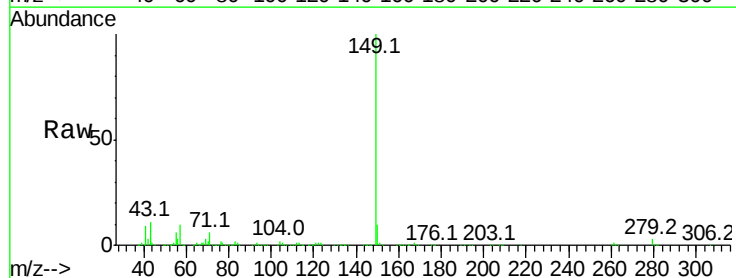
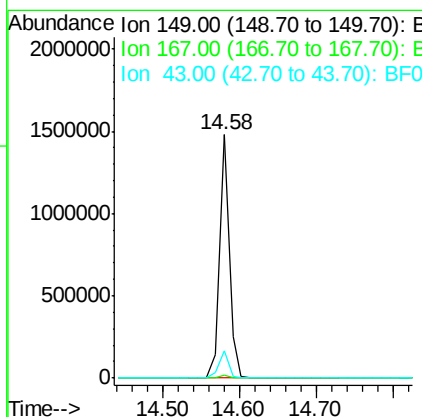
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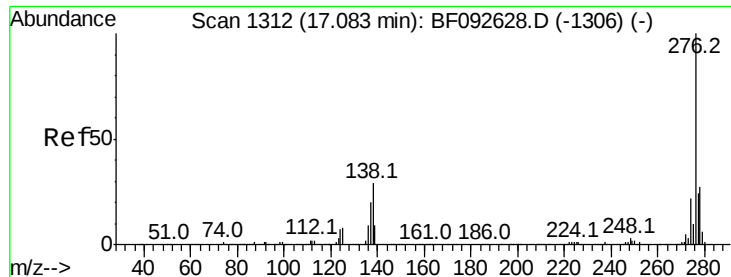
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 38.64 ng
 RT: 14.58 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1296703		
167	1.5	1.3	1.9	
43	11.4	8.9	13.3	





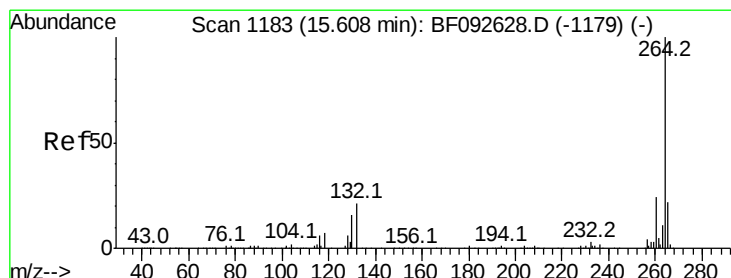
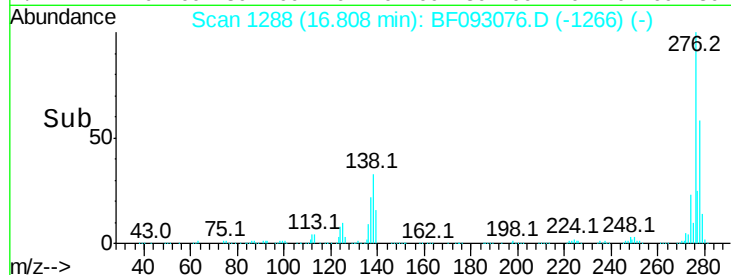
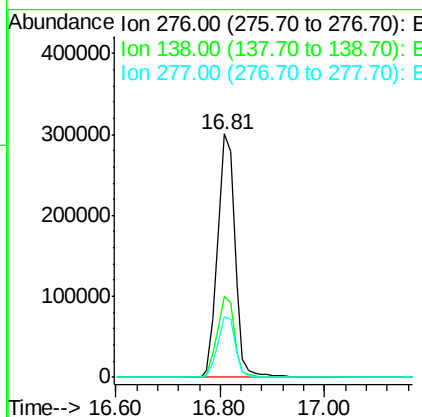
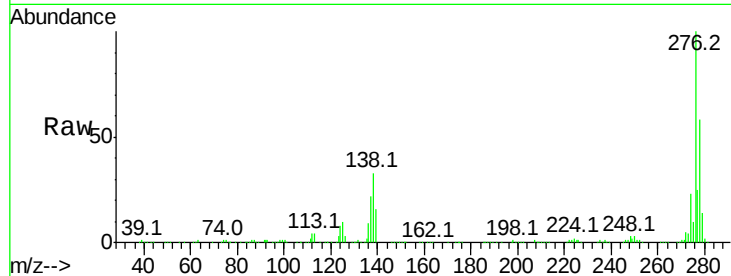
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.12 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.2	21.8	32.6#
277	24.9	20.2	30.4

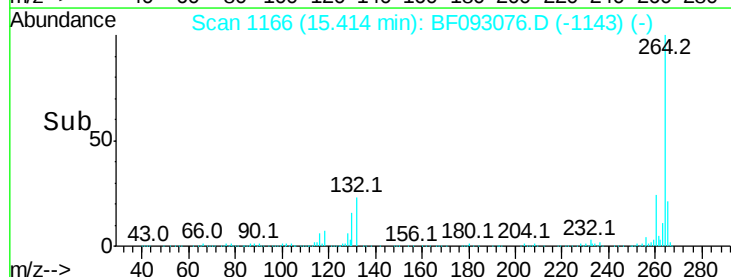
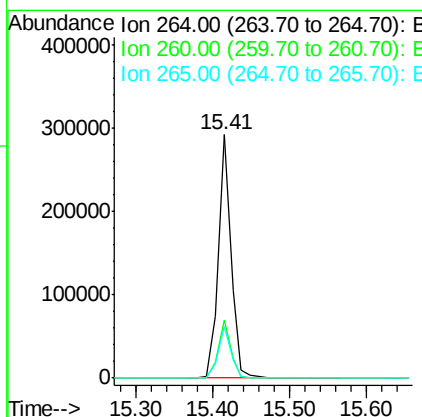
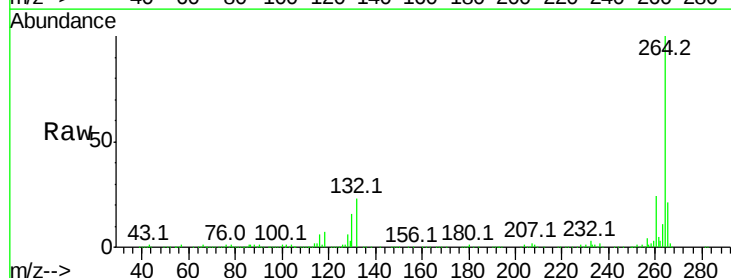
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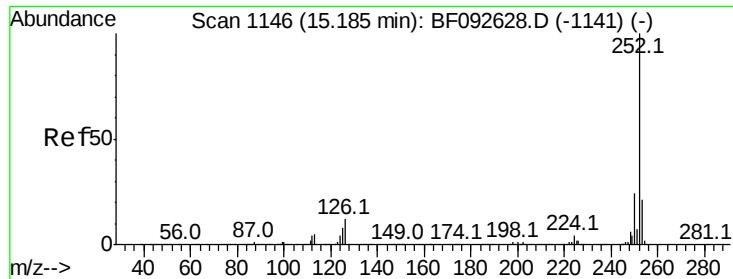
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 42.97 ng m

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Instrument :

BNA_F

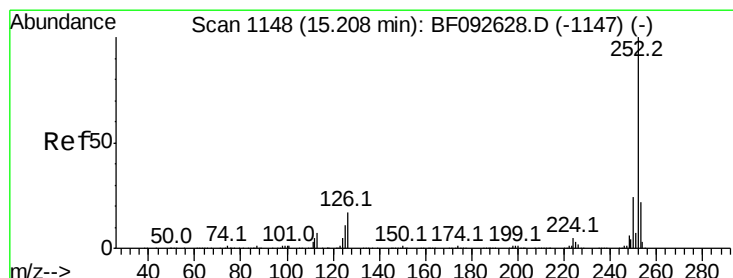
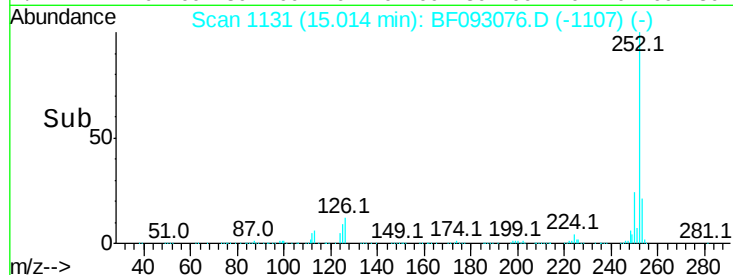
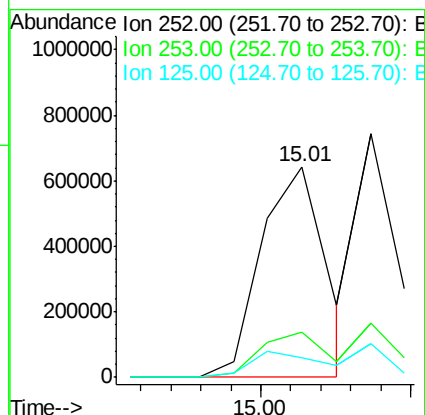
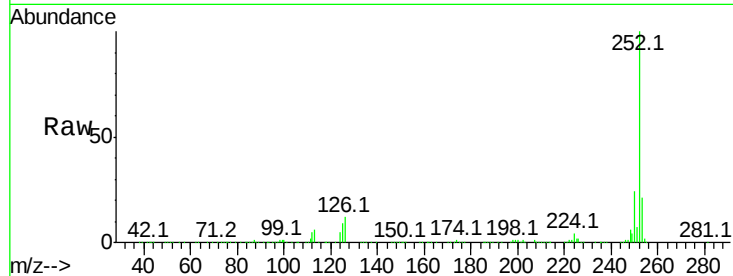
ClientSampleId :

PB97102BS

Tot Ion:	252	Resp:	957680
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.4
125	9.4	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 37.34 ng m

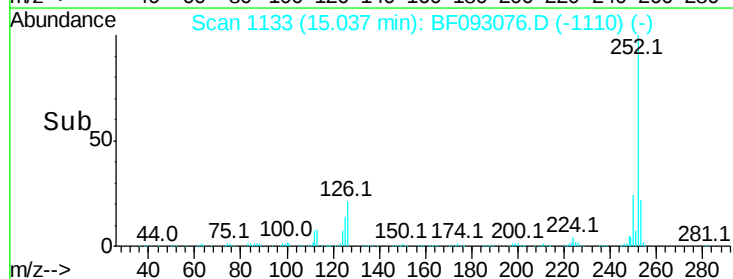
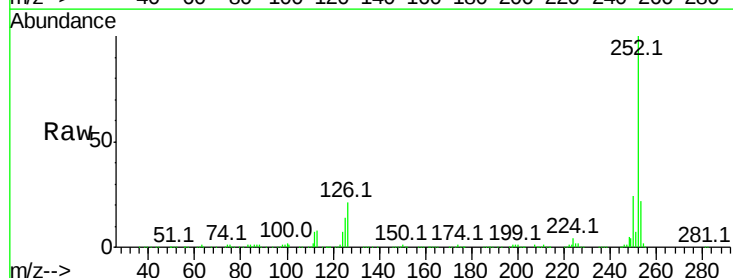
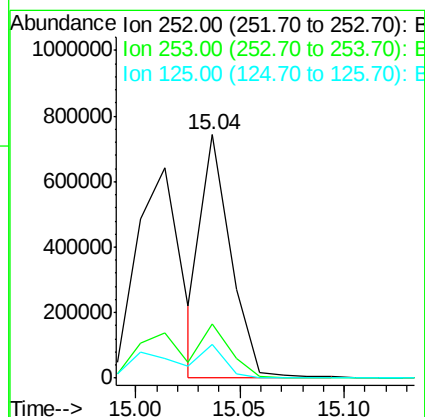
RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF093076.D

Acq: 22 Feb 2017 15:39

Tgt Ion:	252	Resp:	718443
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.5	27.7
125	14.1	8.9	13.3#





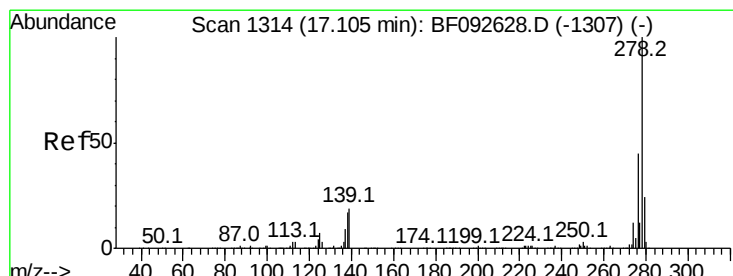
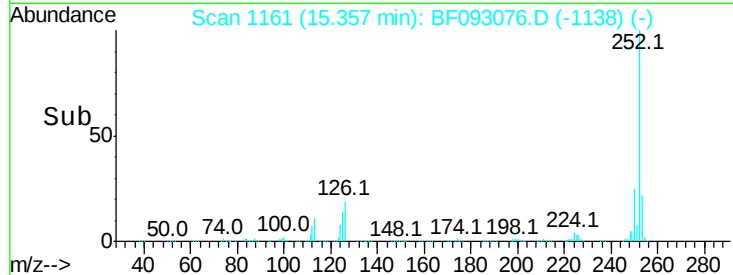
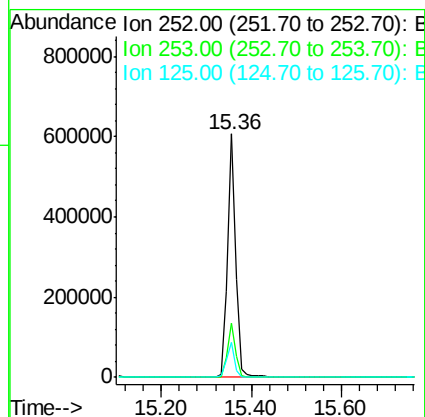
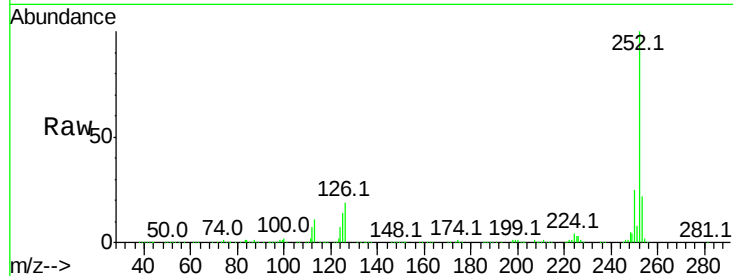
#89
Benzo(a)pyrene
Concen: 39.73 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Instrument :
BNA_F
ClientSampleId :
PB97102BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	18.2	27.2
125	14.3	10.0	15.0

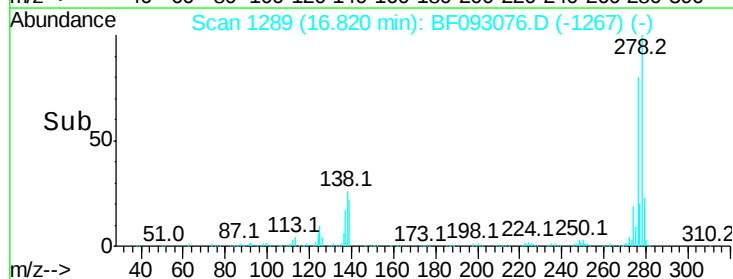
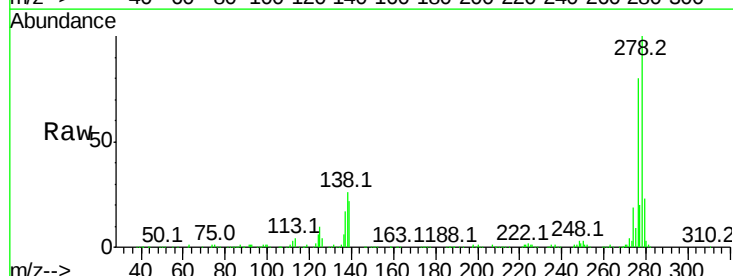
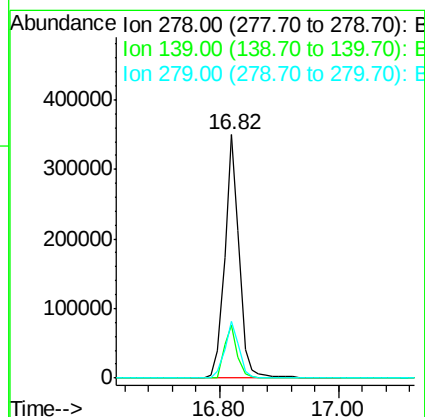
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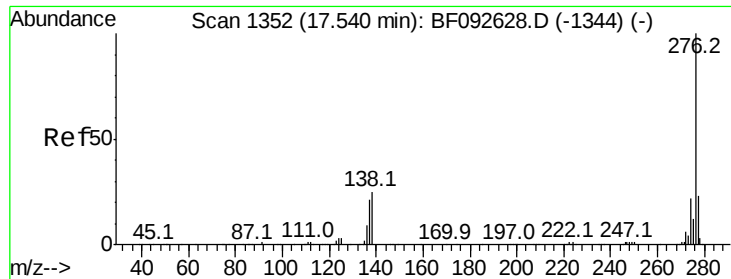
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 37.76 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.05 min
Lab File: BF093076.D
Acq: 22 Feb 2017 15:39

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	21.7	14.8	22.2
279	23.2	19.8	29.6





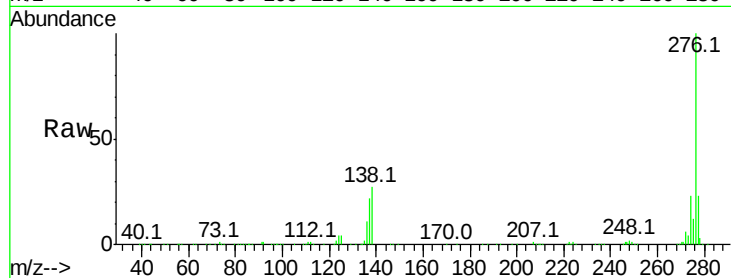
#91
 Benzo(a,h,i)perylene
 Concen: 38.46 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.06 min
 Lab File: BF093076.D
 Acq: 22 Feb 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.2	19.2	28.8
138	26.7	16.0	24.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

