

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095125.D
 Acq On : 15 May 2017 14:56
 Operator : SJ/MA
 Sample : PB98943BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Manual Integrations
 APPROVED

mohammad
 5/17/2017 2:19:58 PM

Quant Time: May 16 07:18:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	89607	20.00	ng	0.06
21) Naphthalene-d8	9.80	136	363680	20.00	ng	0.04
38) Acenaphthene-d10	12.63	164	174555	20.00	ng	0.05
63) Phenanthrene-d10	15.04	188	329662	20.00	ng	0.05
75) Chrysene-d12	18.70	240	269254	20.00	ng	0.05
86) Perylene-d12	20.38	264	185509	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.77	112	772945	143.81	ng	0.09
7) Phenol-d6	7.33	99	842587	130.66	ng	0.05
23) Nitrobenzene-d5	8.69	82	533961	92.58	ng	0.05
41) 2,4,6-Tribromophenol	13.93	330	205105	143.48	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	1013182	83.54	ng	0.04
78) Terphenyl-d14	17.35	244	1012665	82.84	ng	0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	90689	34.41	ng	93
3) Pyridine	3.05	79	260497m	42.64	ng	
4) n-Nitrosodimethylamine	2.96	42	107128m	42.07	ng	
6) Aniline	7.30	93	232265	28.53	ng	95
8) 2-Chlorophenol	7.48	128	278987	45.61	ng	96
9) Benzaldehyde	7.12	77	107873	27.39	ng	98
10) Phenol	7.35	94	283780	41.76	ng	92
11) bis(2-Chloroethyl)ether	7.42	93	247750	44.16	ng	95
12) 1,3-Dichlorobenzene	7.69	146	300313	43.28	ng	99
13) 1,4-Dichlorobenzene	7.81	146	308170	43.79	ng	97
14) 1,2-Dichlorobenzene	8.05	146	295956	45.05	ng	95
15) Benzyl Alcohol	8.07	79	226221	54.54	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.27	45	334771	42.16	ng	81
17) 2-Methylphenol	8.28	107	235695	47.08	ng	93
18) Hexachloroethane	8.56	117	104520	43.84	ng	88
19) n-Nitroso-di-n-propylamine	8.49	70	191982	44.02	ng	94
20) 3+4-Methylphenols	8.53	107	306328	45.03	ng	# 56
22) Acetophenone	8.46	105	389489	44.64	ng	# 84
24) Nitrobenzene	8.71	77	273660	45.27	ng	95
25) Isophorone	9.11	82	494227	47.99	ng	95
26) 2-Nitrophenol	9.22	139	156394	47.95	ng	95
27) 2,4-Dimethylphenol	9.35	122	251777	47.74	ng	98
28) bis(2-Chloroethoxy)methane	9.48	93	310003	43.51	ng	99
29) 2,4-Dichlorophenol	9.64	162	241046	48.41	ng	99
30) 1,2,4-Trichlorobenzene	9.72	180	239182	44.83	ng	100
31) Naphthalene	9.83	128	791979	43.33	ng	100
32) Benzoic acid	9.65	122	122193	36.63	ng	95
33) 4-Chloroaniline	10.00	127	63854	9.37	ng	96
34) Hexachlorobutadiene	10.05	225	122049	43.36	ng	99
35) Caprolactam	10.61	113	78159m	52.27	ng	
36) 4-Chloro-3-methylphenol	10.82	107	235986	44.32	ng	92
37) 2-Methylnaphthalene	10.96	142	531110	44.27	ng	98
39) 1,2,4,5-Tetrachlorobenzene	11.24	216	224637	41.85	ng	100
40) Hexachlorocyclopentadiene	11.21	237	184962	81.81	ng	98

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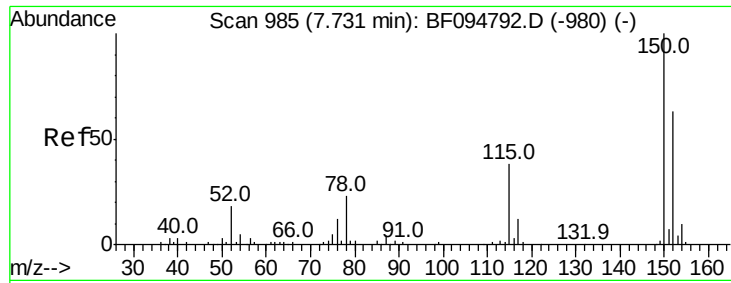
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.45	196	167194	46.65	nq	99
43) 2,4,5-Trichlorophenol	11.55	196	152158	39.50	nq	# 90
45) 1,1'-Biphenyl	11.72	154	662878	45.10	nq	98
46) 2-Chloronaphthalene	11.74	162	519347	43.76	nq	96
47) 2-Nitroaniline	11.96	65	137800	42.43	nq	# 80
48) Acenaphthylene	12.40	152	792688	42.65	nq	98
49) Dimethylphthalate	12.27	163	615767	42.97	nq	99
50) 2,6-Dinitrotoluene	12.37	165	127157	43.49	nq	96
51) Acenaphthene	12.68	154	477222	42.99	nq	98
52) 3-Nitroaniline	12.65	138	67523	21.52	nq	89
53) 2,4-Dinitrophenol	12.84	184	137106	84.75	nq	# 66
54) Dibenzofuran	12.97	168	753628	49.05	nq	99
55) 4-Nitrophenol	13.02	139	158068	83.87	nq	# 72
56) 2,4-Dinitrotoluene	13.04	165	190638	50.75	nq	# 92
57) Fluorene	13.52	166	548386	41.05	nq	99
58) 2,3,4,6-Tetrachlorophenol	13.21	232	122124	50.37	nq	# 96
59) Diethylphthalate	13.42	149	546207	39.77	nq	98
60) 4-Chlorophenyl-phenylether	13.55	204	243016	41.39	nq	89
61) 4-Nitroaniline	13.64	138	99575	34.57	nq	93
62) Azobenzene	13.81	77	555316	50.31	nq	94
64) 4,6-Dinitro-2-methylphenol	13.70	198	87719	39.69	nq	# 67
65) n-Nitrosodiphenylamine	13.76	169	505378	42.24	nq	98
66) 4-Bromophenyl-phenylether	14.34	248	150649	43.25	nq	99
67) Hexachlorobenzene	14.42	284	155747	43.63	nq	# 85
68) Atrazine	14.68	200	160197	47.42	nq	95
69) Pentachlorophenol	14.78	266	117825	73.52	nq	94
70) Phenanthrene	15.07	178	834603	44.06	nq	99
71) Anthracene	15.15	178	851046	43.99	nq	99
72) Carbazole	15.43	167	781798	44.41	nq	98
73) Di-n-butylphthalate	15.99	149	899230	40.96	nq	98
74) Fluoranthene	16.81	202	804007	41.38	nq	98
76) Benzidine	17.04	184	214712	32.03	nq	# 92
77) Pyrene	17.11	202	824184	40.93	nq	99
79) Butylbenzylphthalate	18.01	149	412738	44.07	nq	89
80) Benzo(a)anthracene	18.69	228	681888	43.51	nq	99
81) 3,3'-Dichlorobenzidine	18.67	252	114390	21.14	nq	# 97
82) Chrysene	18.74	228	676044	44.62	nq	99
83) Bis(2-ethylhexyl)phthalate	18.75	149	608478	45.59	nq	# 98
84) Di-n-octyl phthalate	19.52	149	1017492	46.50	nq	96
85) Indeno(1,2,3-cd)pyrene	21.70	276	459095	37.31	nq	100
87) Benzo(b)fluoranthene	19.97	252	499388	43.57	nq	98
88) Benzo(k)fluoranthene	19.99	252	578053	52.28	nq	# 94
89) Benzo(a)pyrene	20.32	252	475641	44.97	nq	99
90) Dibenzo(a,h)anthracene	21.71	278	380343	43.54	nq	98
91) Benzo(g,h,i)perylene	22.09	276	375184	43.77	nq	99

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



#1

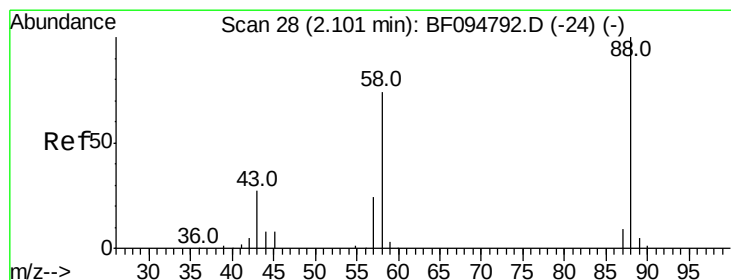
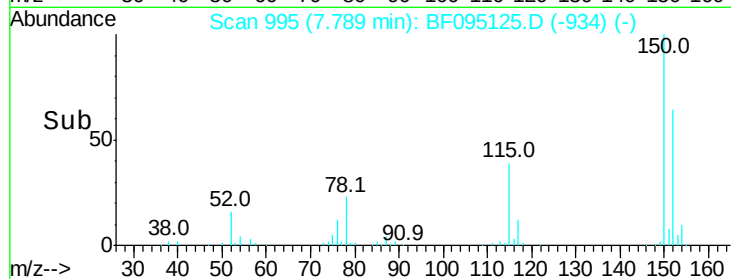
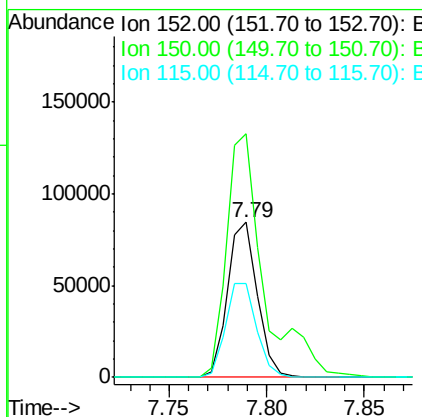
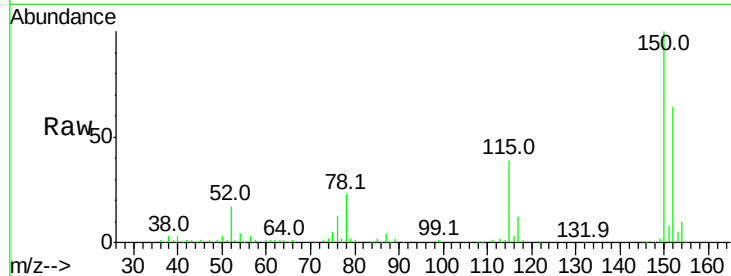
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.79 min Scan# 995
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	60.6	52.2	78.2

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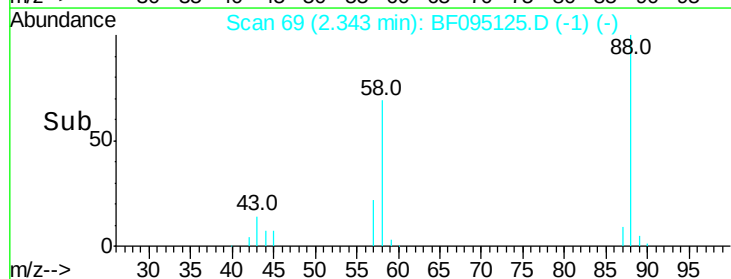
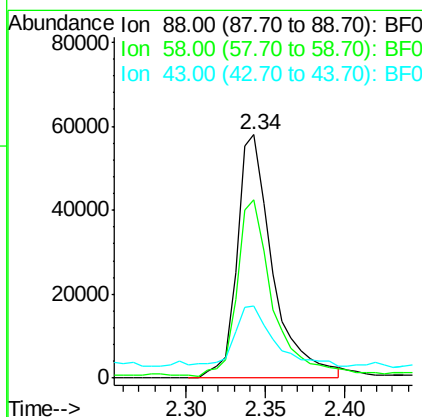
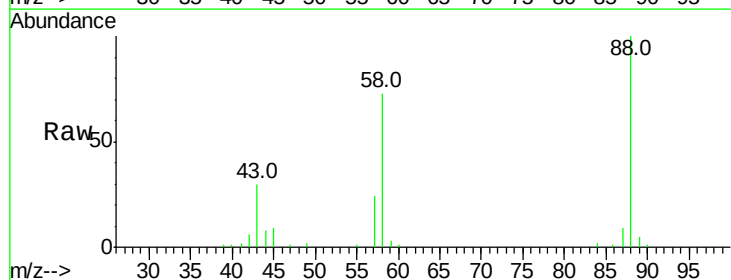
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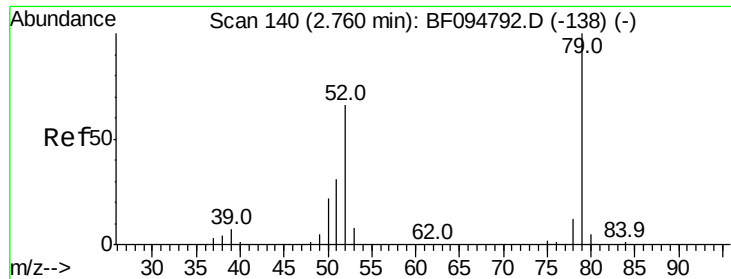


#2

1,4-Dioxane
Concen: 34.41 ng
RT: 2.34 min Scan# 69
Delta R.T. 0.24 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.0	61.4	92.0
43	26.0	23.4	35.0





#3

Pvridine

Concen: 42.64 ng/ml

RT: 3.05 min Scan# 189

Delta R.T. 0.29 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

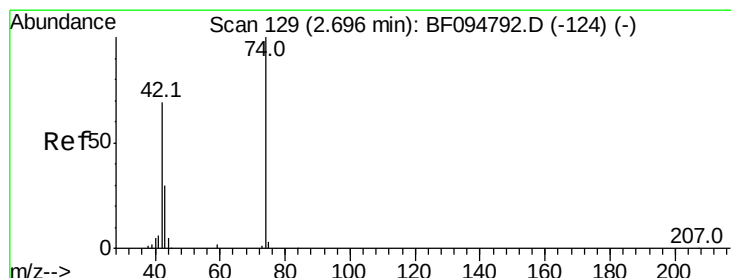
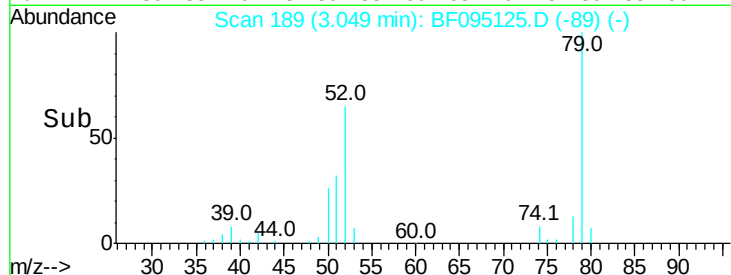
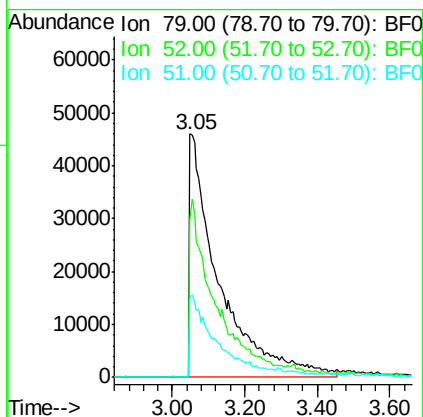
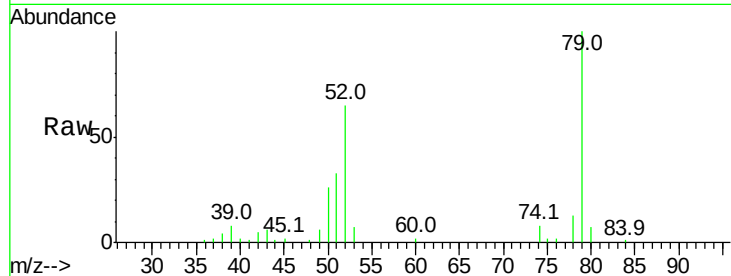
ClientSampleID :

PB98943BS

Tot Ion:	79	Resp:	260497
Ion Ratio	Lower	Upper	
79	100		
52	64.7	54.8	82.2
51	32.5	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 42.07 ng/ml

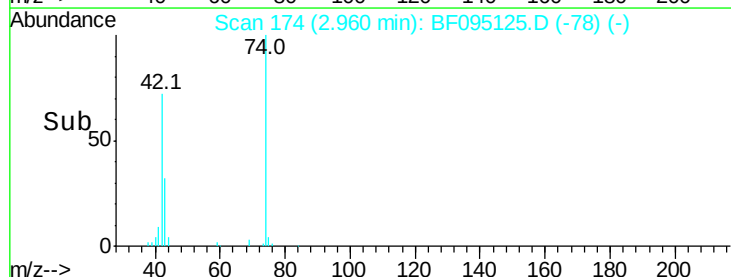
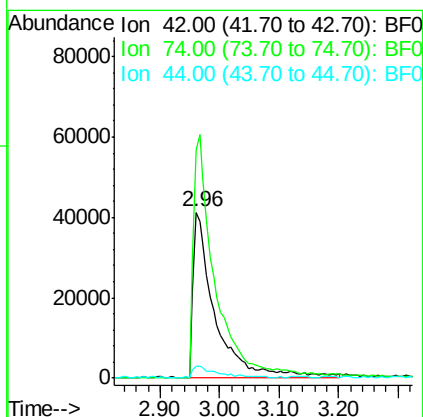
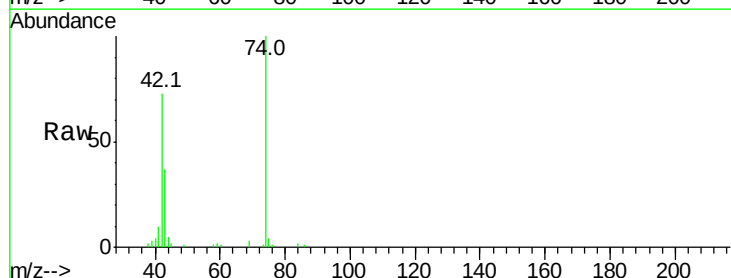
RT: 2.96 min Scan# 174

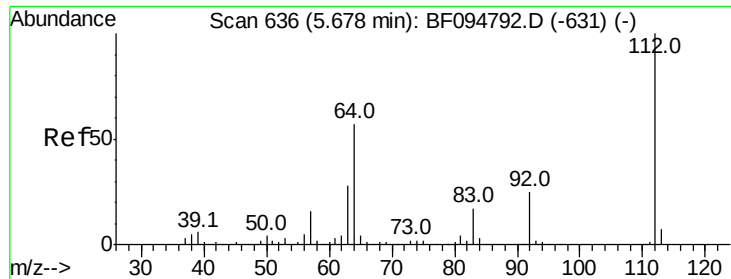
Delta R.T. 0.26 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	42	Resp:	107128
Ion Ratio	Lower	Upper	
42	100		
74	137.6	103.9	155.9
44	7.1	5.7	8.5





#5

2-Fluorophenol

Concen: 143.81 ng

RT: 5.77 min Scan# 651

Delta R.T. 0.09 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

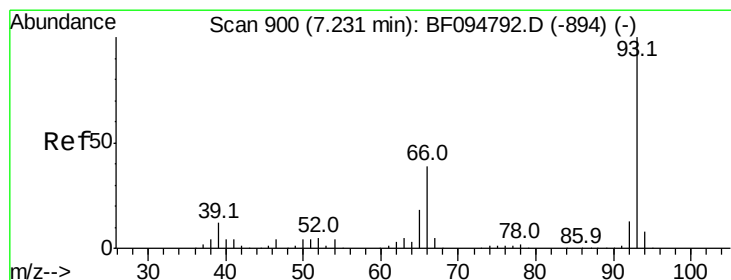
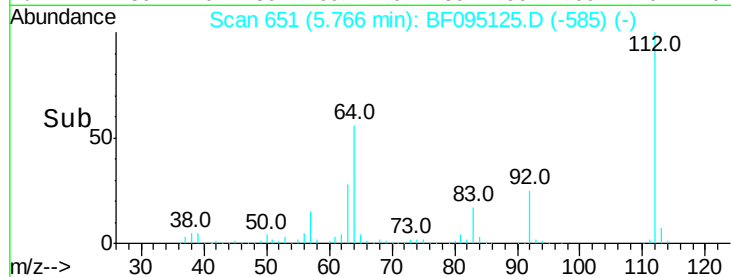
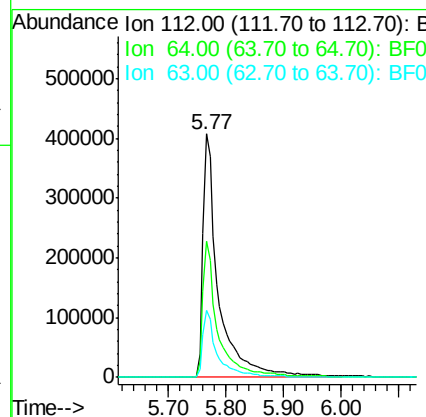
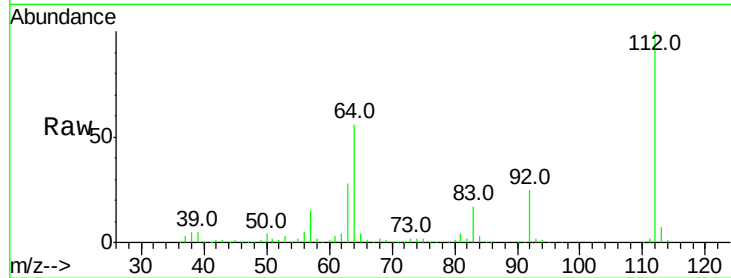
ClientSampled :

PB98943BS

Tot Ion:	112	Resp:	772945
Ion Ratio	Lower	Upper	
112	100		
64	55.8	46.0	69.0
63	27.6	23.4	35.0

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#6

Aniline

Concen: 28.53 ng

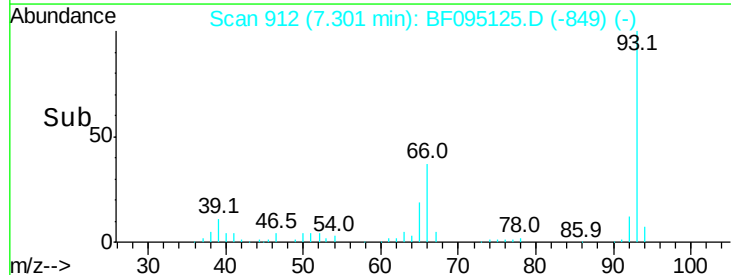
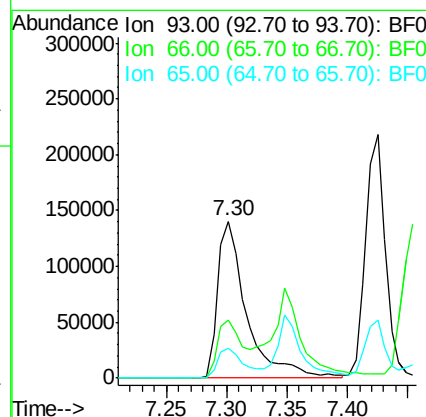
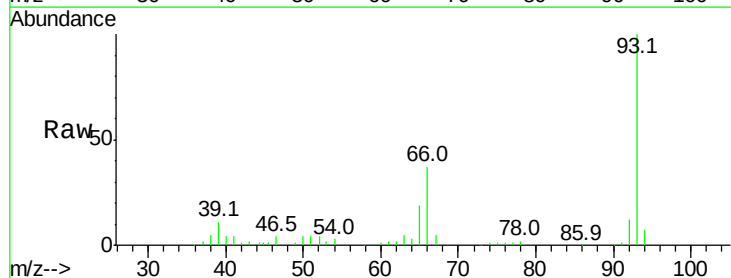
RT: 7.30 min Scan# 912

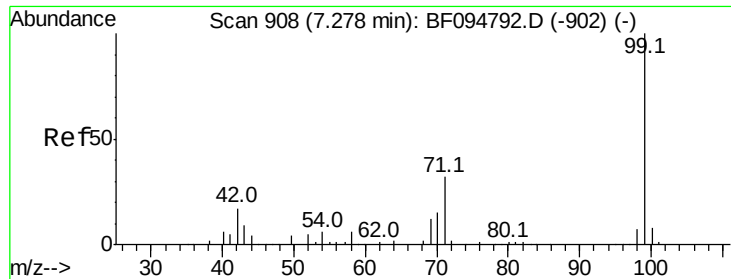
Delta R.T. 0.07 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	93	Resp:	232265
Ion Ratio	Lower	Upper	
93	100		
66	36.9	32.9	49.3
65	19.2	16.0	24.0





#7

Phenol-d6

Concen: 130.66 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

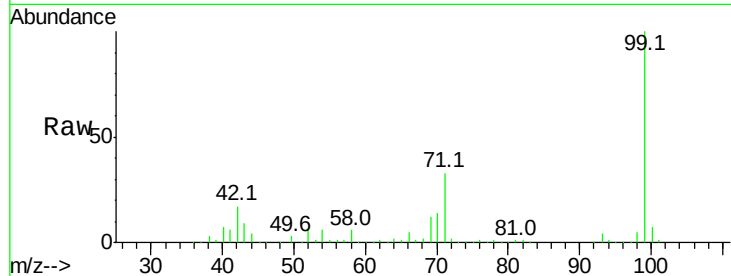
ClientSampleId :

PB98943BS

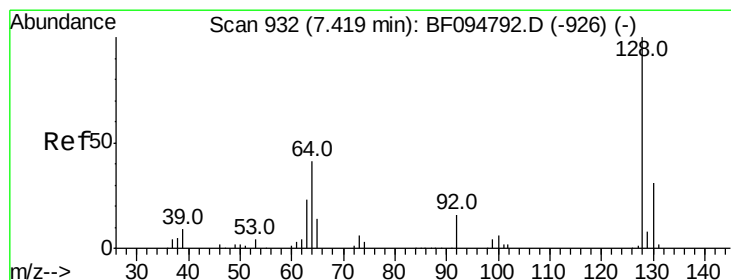
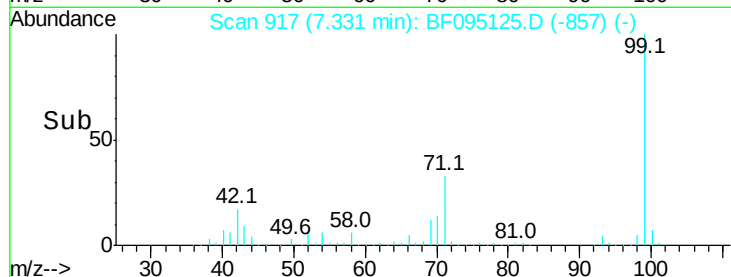
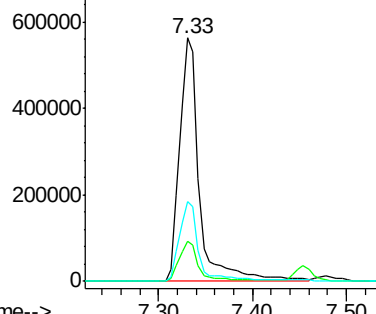
Tot Ion:	99	Resp:	842587
Ion Ratio	Lower	Upper	
99	100		
42	16.6	13.5	20.3
71	32.9	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 45.61 ng

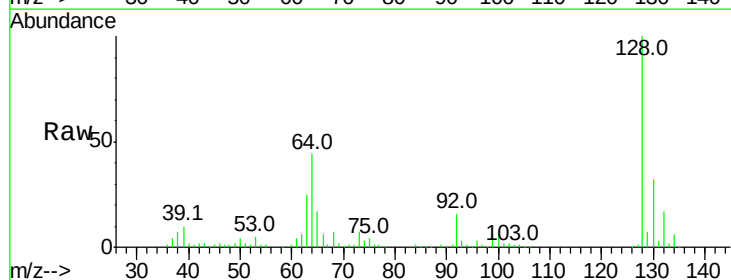
RT: 7.48 min Scan# 942

Delta R.T. 0.06 min

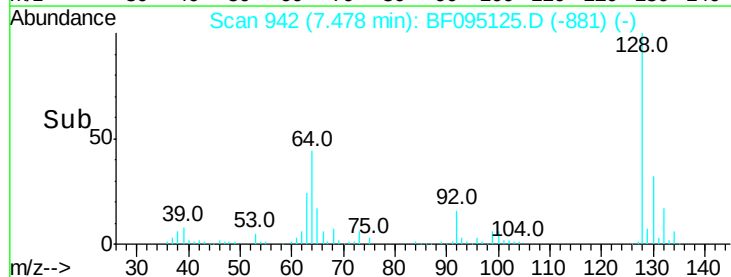
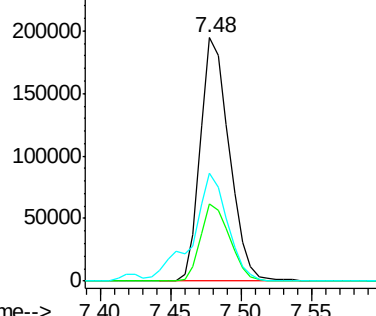
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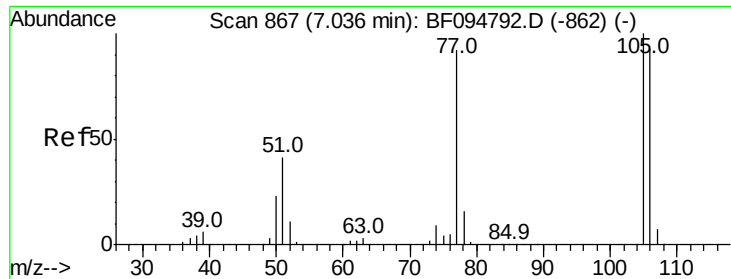
Acq: 15 May 2017 14:56

Tgt Ion:	128	Resp:	278987
Ion Ratio	Lower	Upper	
128	100		
130	31.7	12.9	52.9
64	44.5	28.4	68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





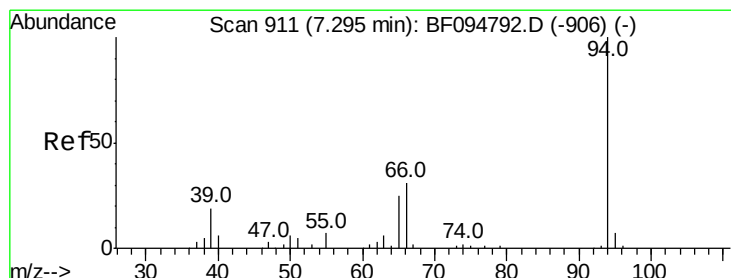
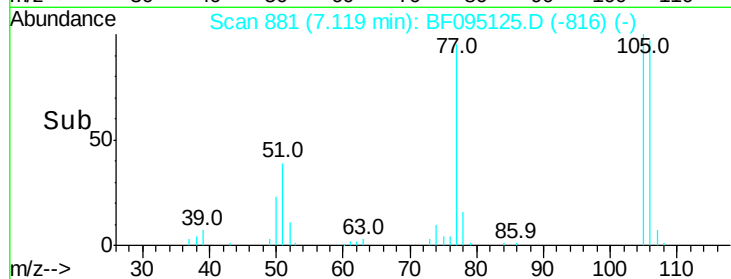
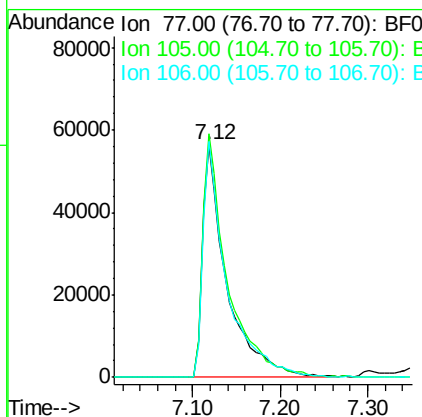
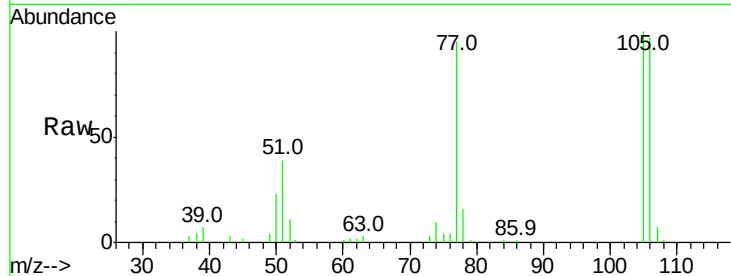
#9
Benzaldehyde
Concen: 27.39 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.08 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion:	77	Resp:	107873
Ion Ratio	Lower	Upper	
77	100		
105	104.7	83.8	123.8
106	101.5	79.1	119.1

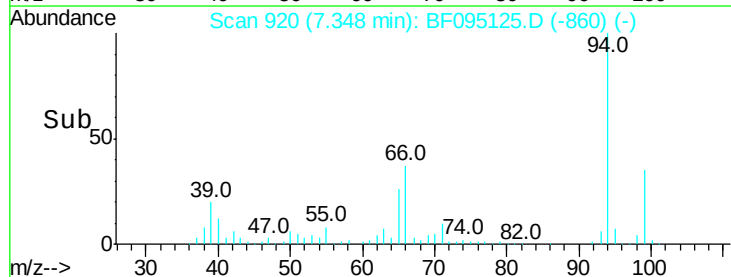
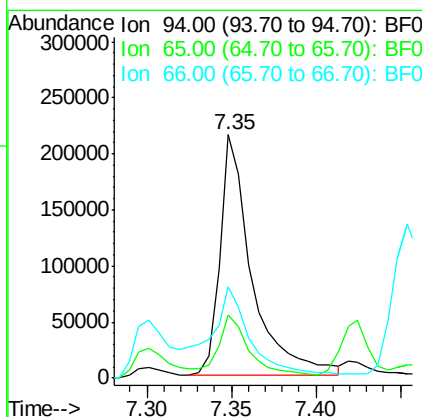
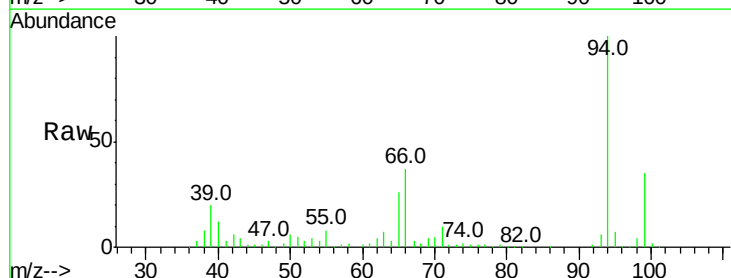
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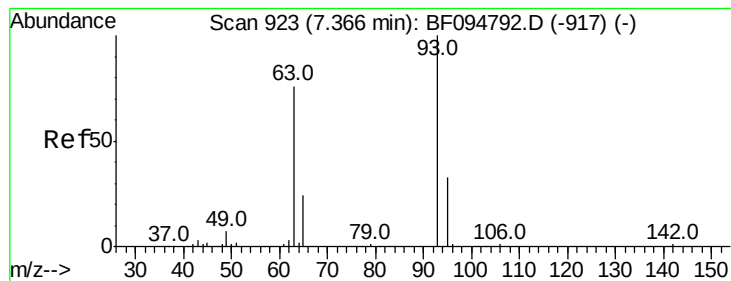
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#10
Phenol
Concen: 41.76 ng
RT: 7.35 min Scan# 920
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion:	94	Resp:	283780
Ion Ratio	Lower	Upper	
94	100		
65	26.0	9.9	49.9
66	37.3	23.1	63.1





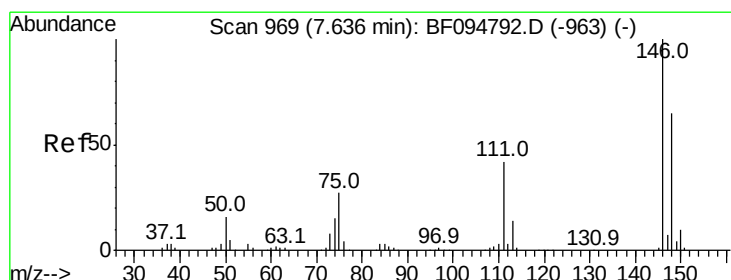
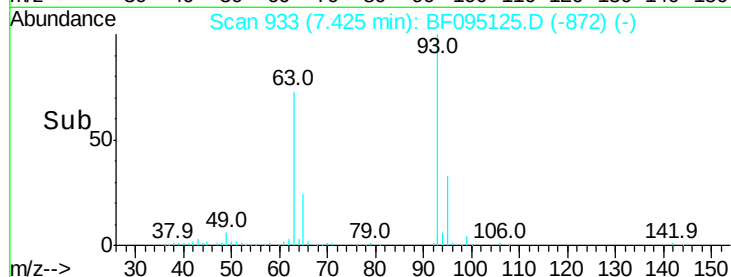
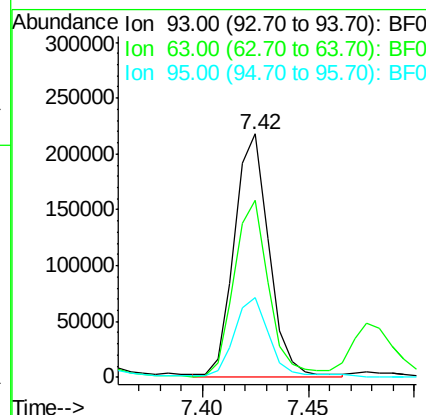
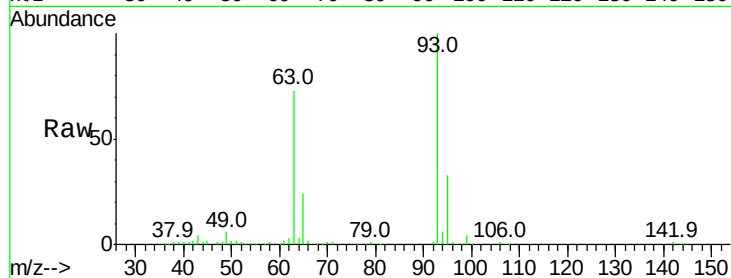
#11
 bis(2-Chloroethyl)ether
 Concen: 44.16 ng
 RT: 7.42 min Scan# 933
 Delta R.T. 0.06 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.8	59.2	99.2
95	33.0	12.8	52.8

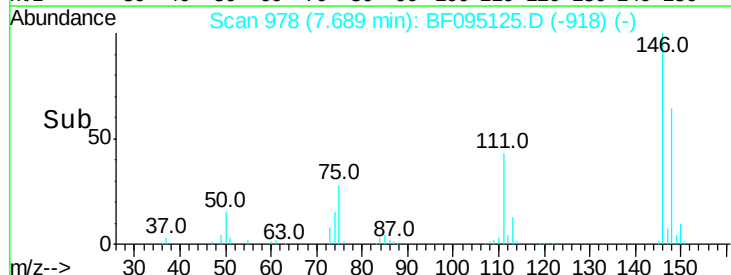
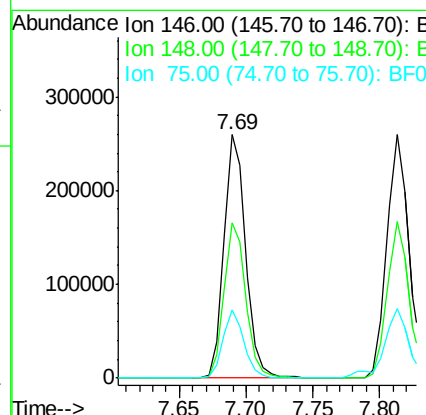
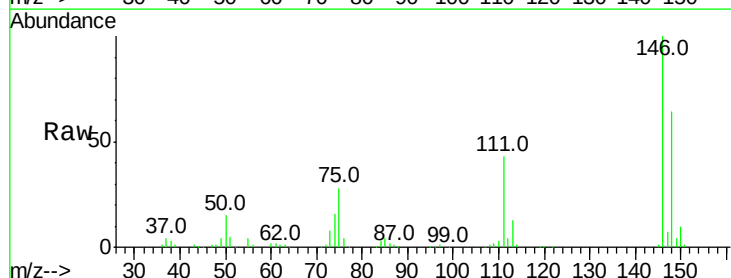
Manual Integrations
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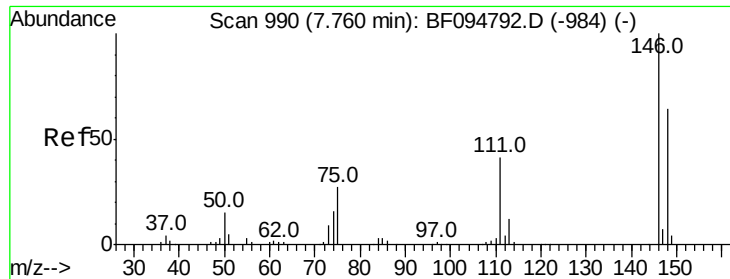
mohammad
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#12
 1,3-Dichlorobenzene
 Concen: 43.28 ng
 RT: 7.69 min Scan# 978
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.6
75	28.2	23.1	34.7





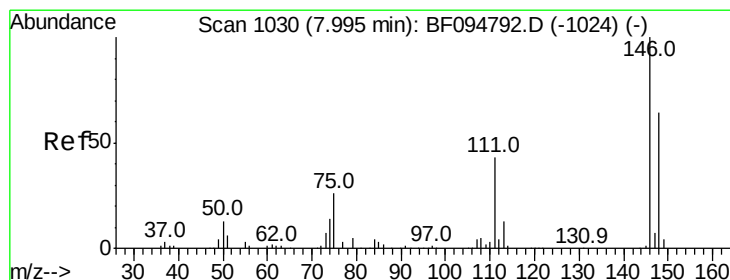
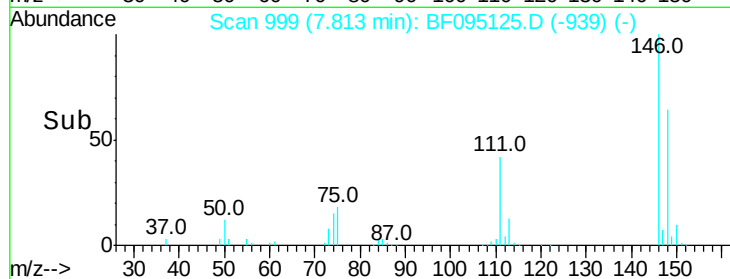
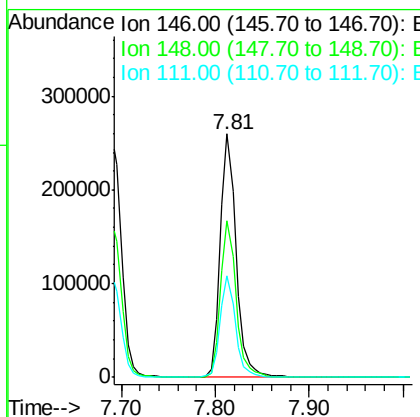
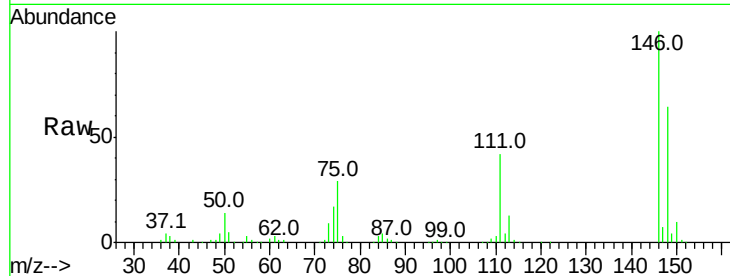
#13
 1,4-Dichlorobenzene
 Concen: 43.79 ng
 RT: 7.81 min Scan# 999
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	41.9	30.3	45.5

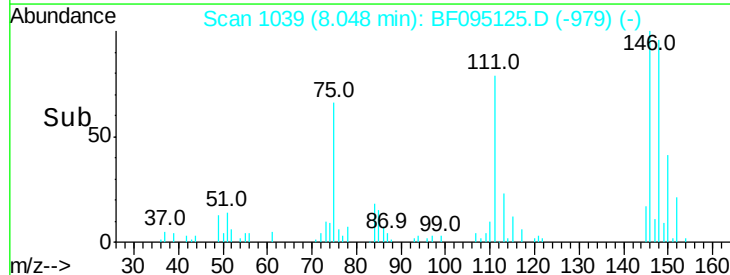
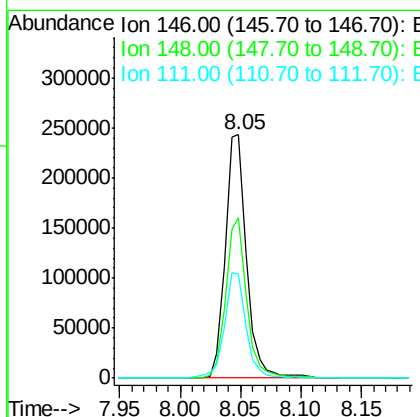
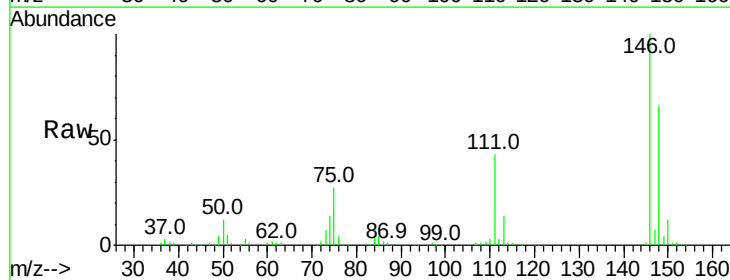
Manual Integrations
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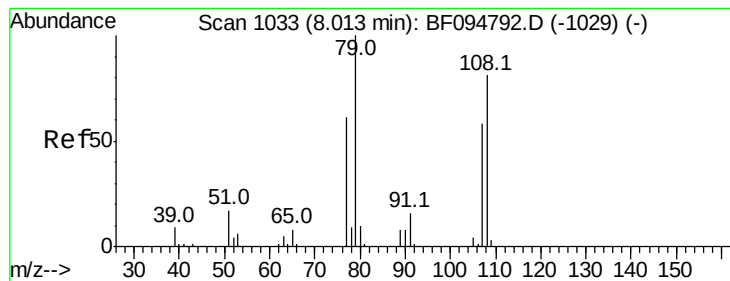
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 45.05 ng
 RT: 8.05 min Scan# 1039
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.4	75.6
111	42.8	38.2	57.4





#15

Benzyl Alcohol

Concen: 54.54 ng

RT: 8.07 min Scan# 1043

Delta R.T. 0.06 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

PB98943BS

Tot Ion: 79 Resp: 226221

Ion Ratio Lower Upper

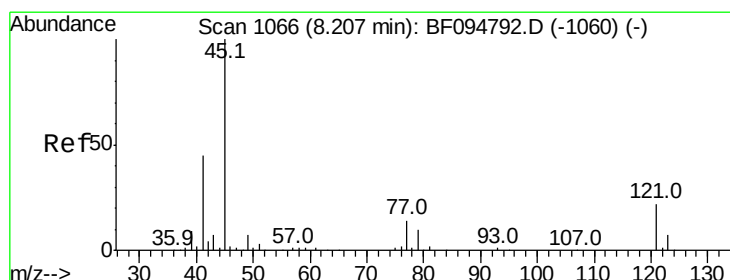
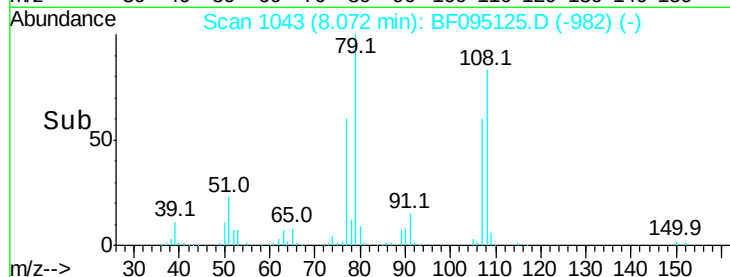
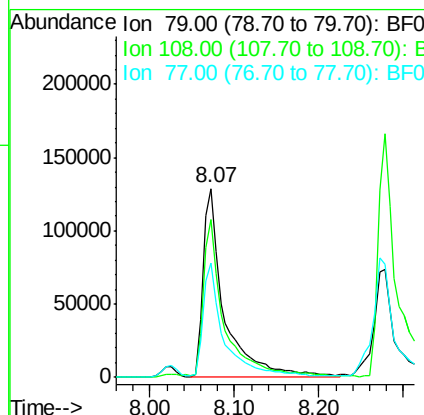
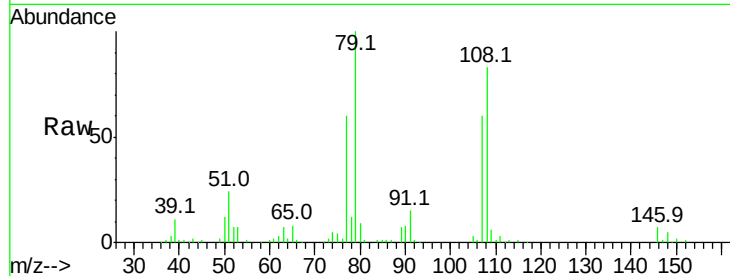
79 100

108 83.2 63.4 95.0

77 60.4 49.2 73.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 42.16 ng

RT: 8.27 min Scan# 1076

Delta R.T. 0.06 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

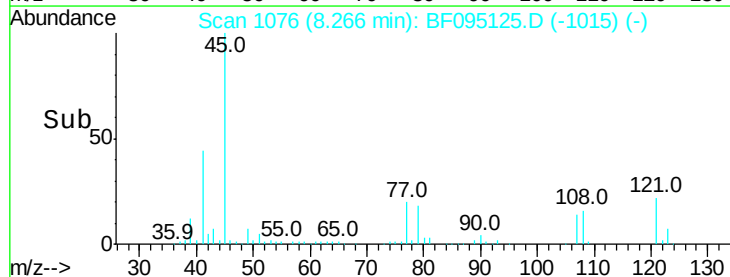
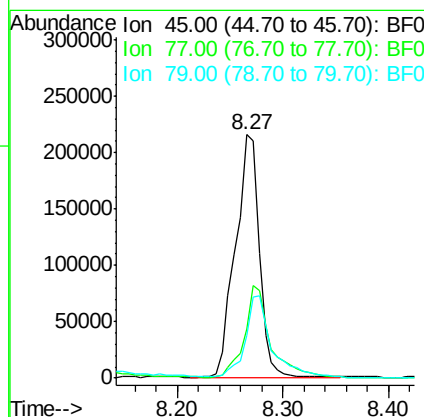
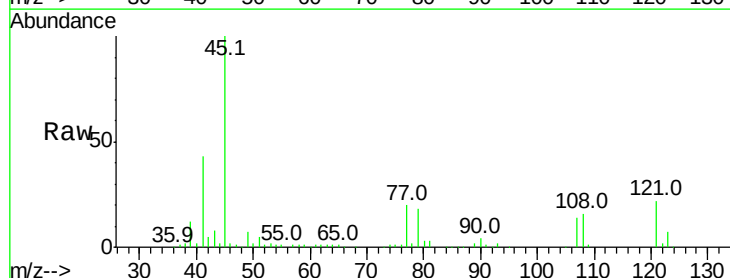
Tgt Ion: 45 Resp: 334771

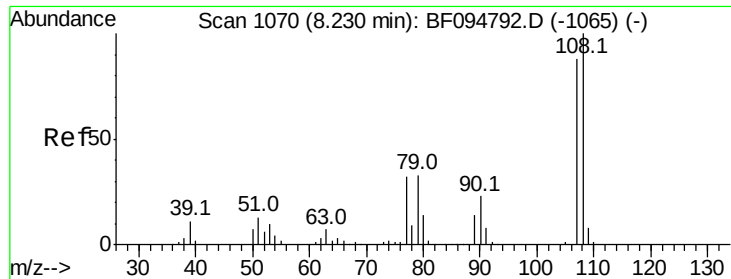
Ion Ratio Lower Upper

45 100

77 20.4 0.0 33.2

79 17.6 0.0 30.0





#17

2-Methylphenol

Concen: 47.08 ng

RT: 8.28 min Scan# 1078

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

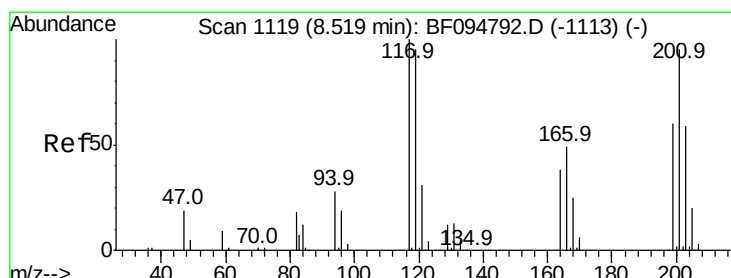
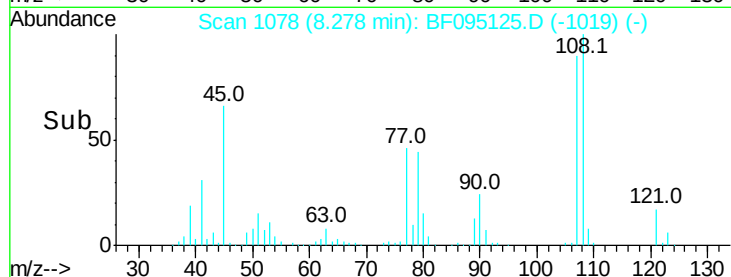
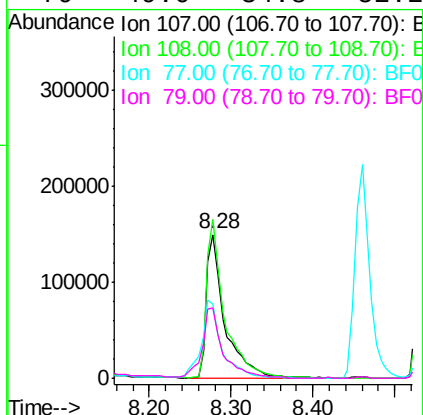
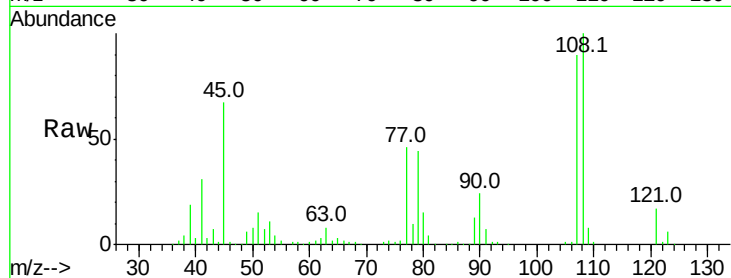
ClientSampleId :

PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	235695		
108	111.0	93.4	140.0	
77	51.5	35.8	53.6	
79	49.0	34.8	52.2	

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#18

Hexachloroethane

Concen: 43.84 ng

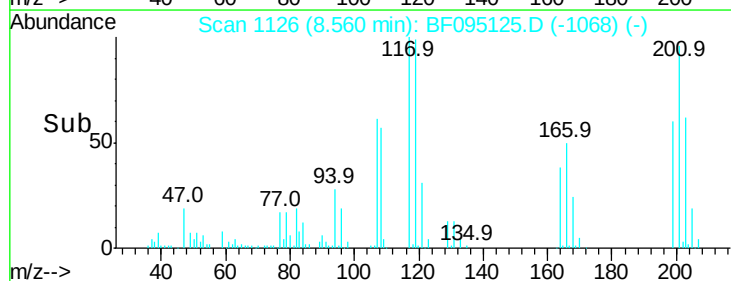
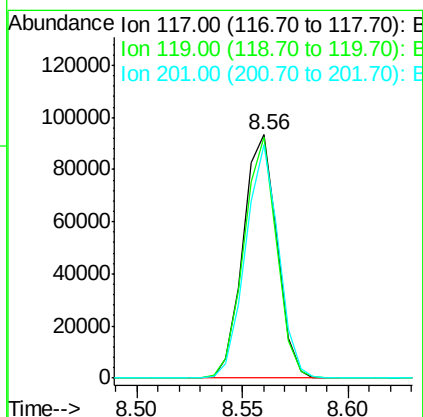
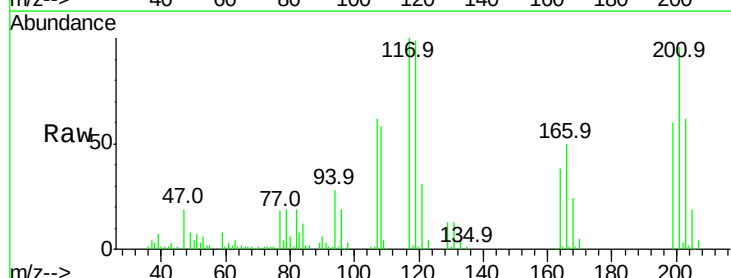
RT: 8.56 min Scan# 1126

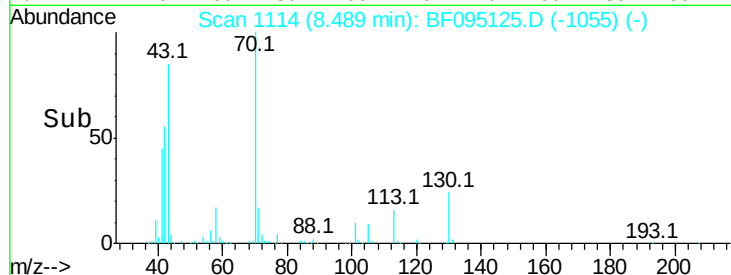
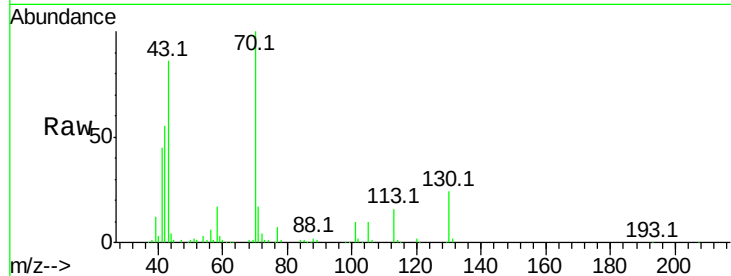
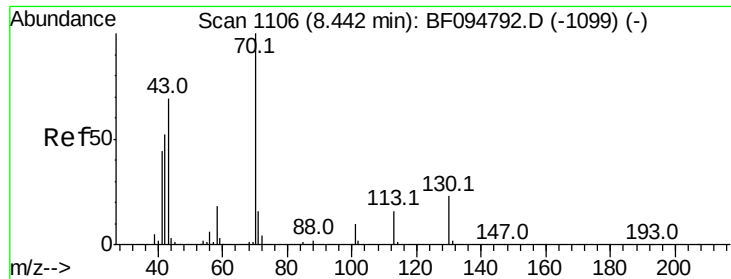
Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	104520		
119	99.0	77.4	116.0	
201	96.1	94.6	141.8	





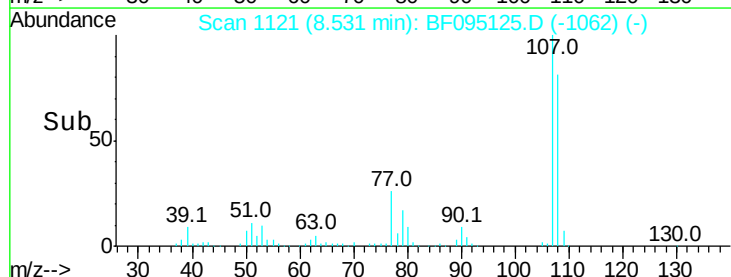
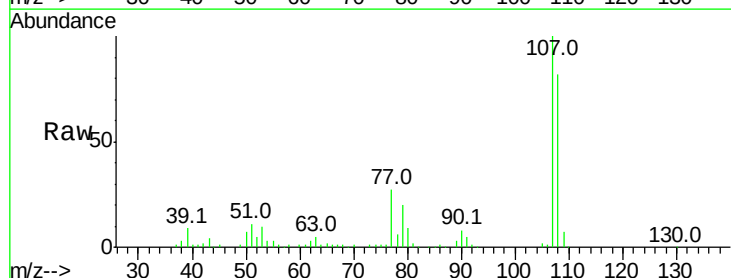
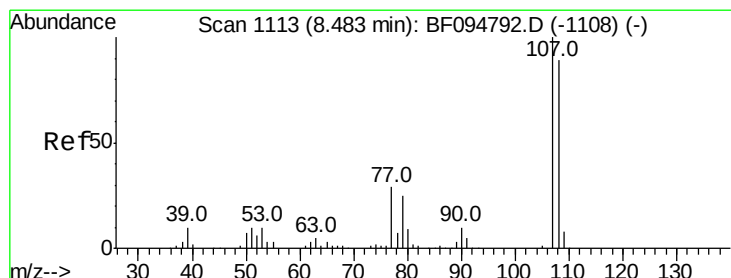
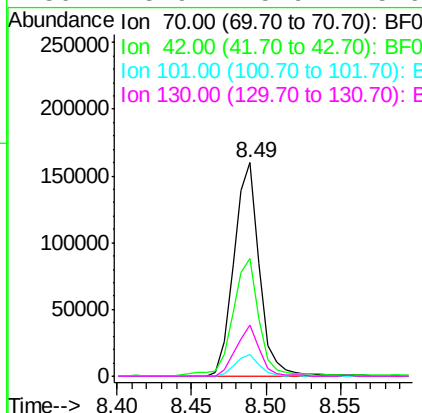
#19
n-Nitroso-di-n-propylamine
Concen: 44.02 ng
RT: 8.49 min Scan# 1114
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.2	47.2	70.8	
101	10.4	7.2	10.8	
130	23.9	15.9	23.9	

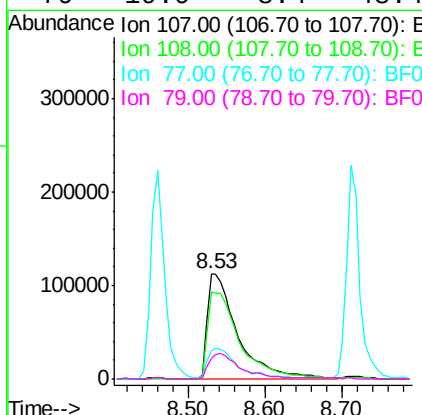
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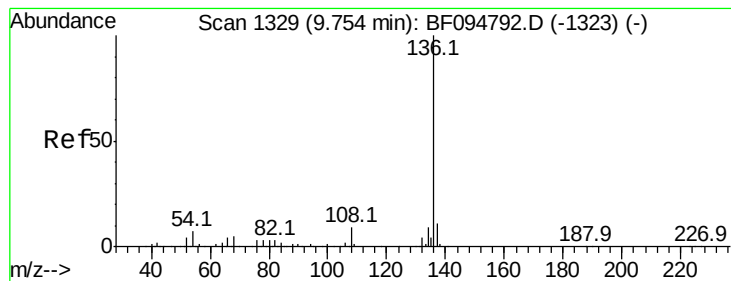
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#20
3+4-Methylphenols
Concen: 45.03 ng
RT: 8.53 min Scan# 1121
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	81.9	71.0	111.0	
77	27.1	90.5	130.5	
79	19.9	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

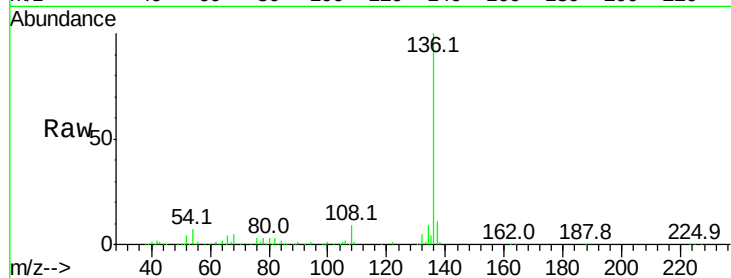
ClientSampleId :

PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.2	4.9	7.3	
68	5.4	4.1	6.1	

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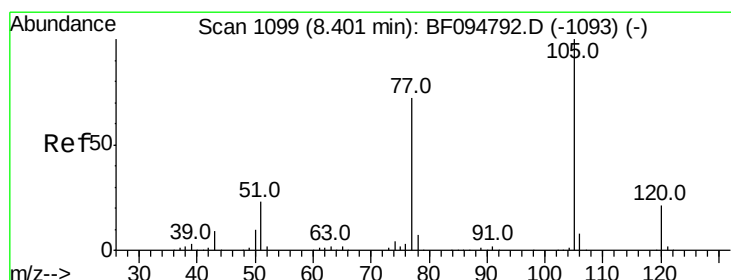
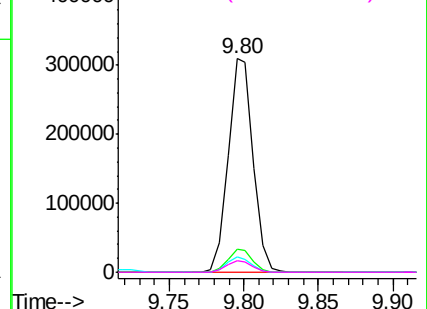
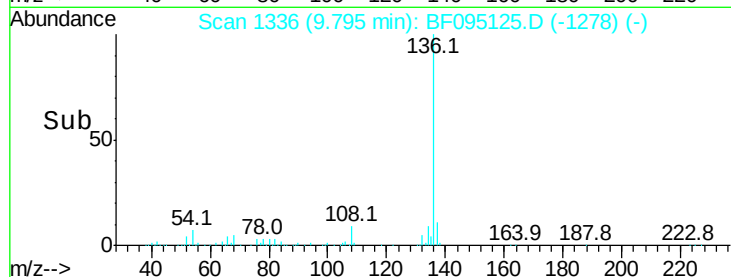


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 44.64 ng

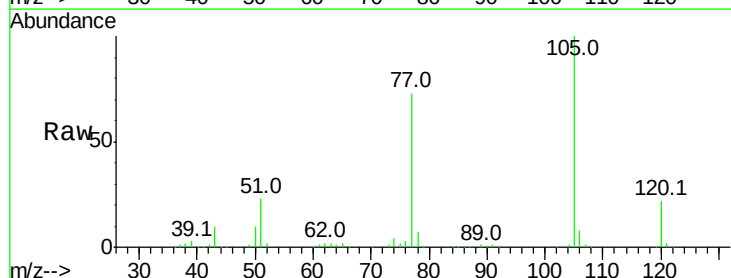
RT: 8.46 min Scan# 1109

Delta R.T. 0.06 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	2.8	4.2#	
51	23.3	30.7	46.1#	
120	21.8	17.4	26.0	

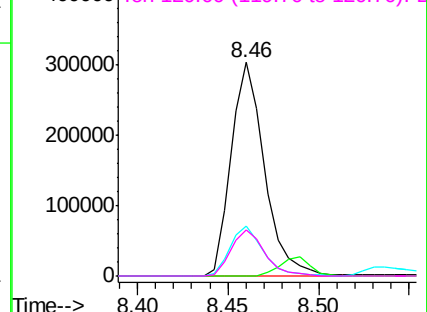
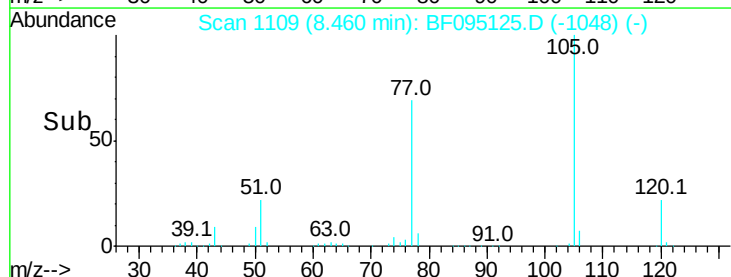


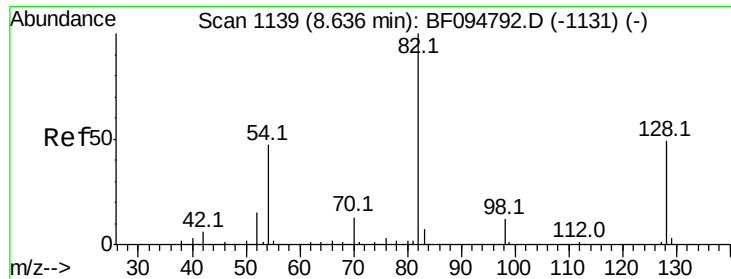
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





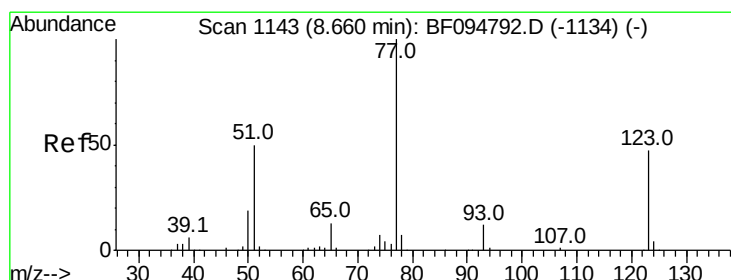
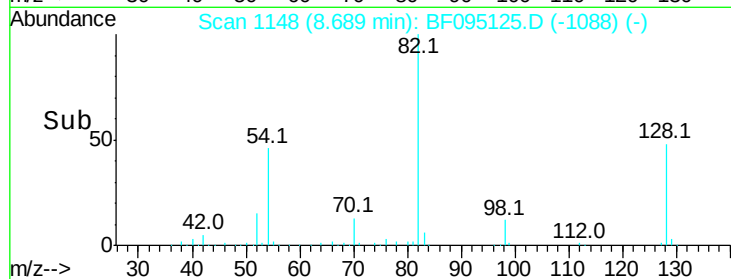
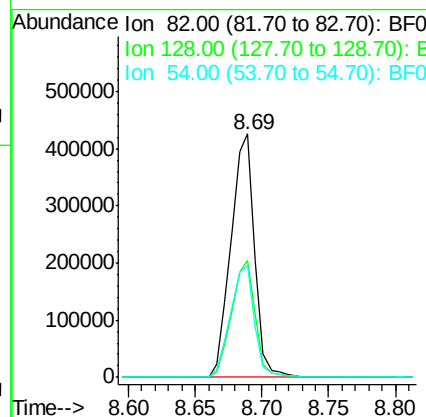
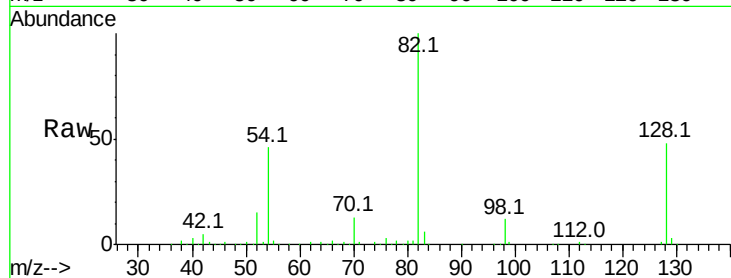
#23
 Nitrobenzene-d5
 Concen: 92.58 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.8	34.0	51.0	
54	45.8	42.2	63.2	

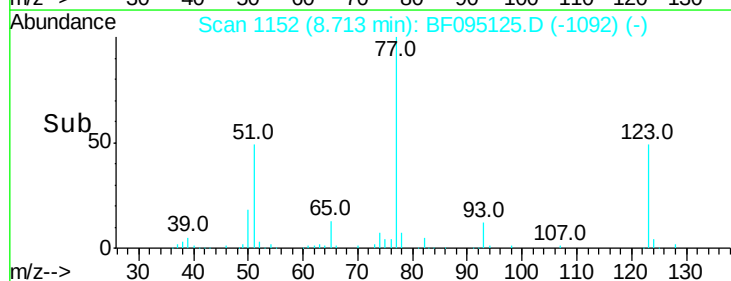
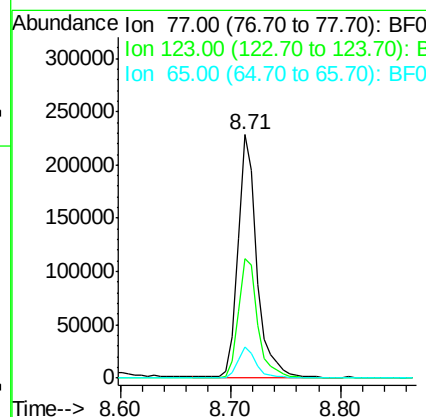
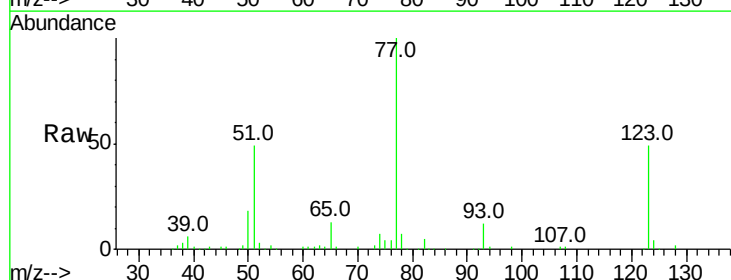
Manual Integrations
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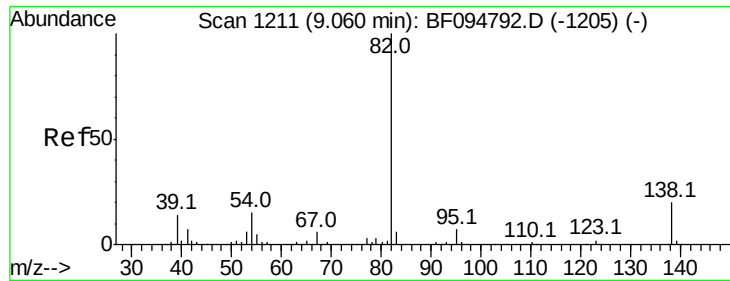
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#24
 Nitrobenzene
 Concen: 45.27 ng
 RT: 8.71 min Scan# 1152
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.1	35.8	53.8	
65	12.7	10.6	15.8	





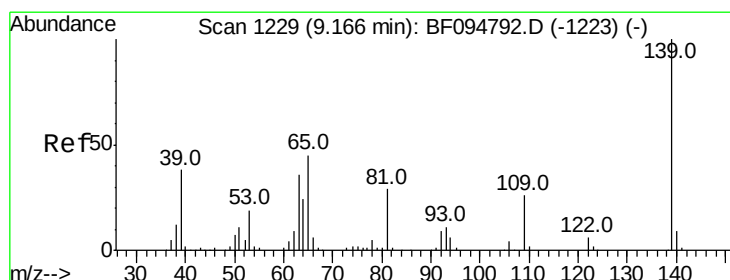
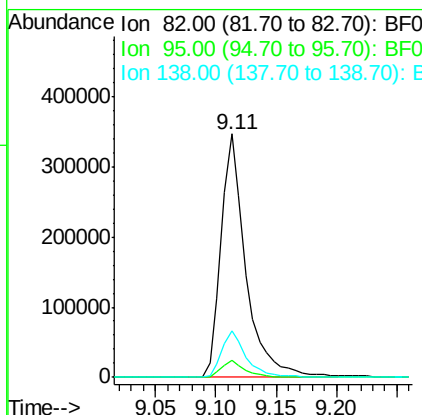
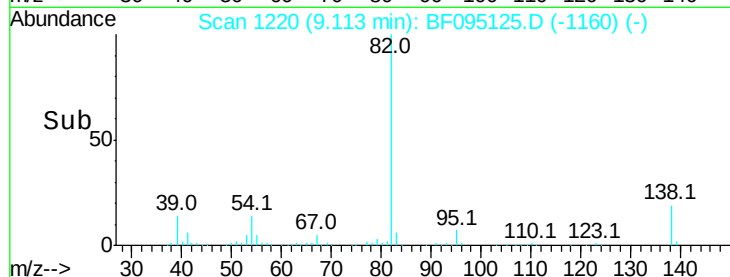
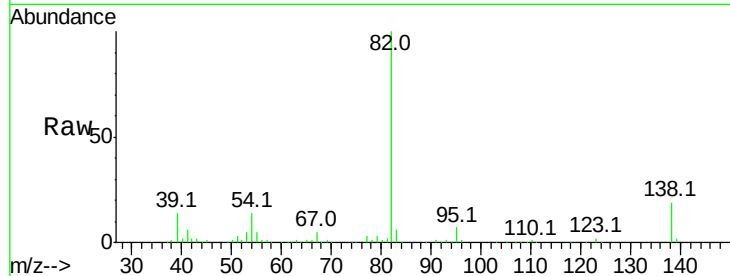
#25
Isophorone
Concen: 47.99 ng
RT: 9.11 min Scan# 1220
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.8	5.3	7.9	
138	19.3	13.1	19.7	

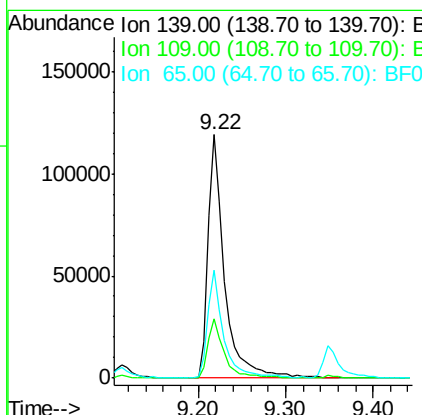
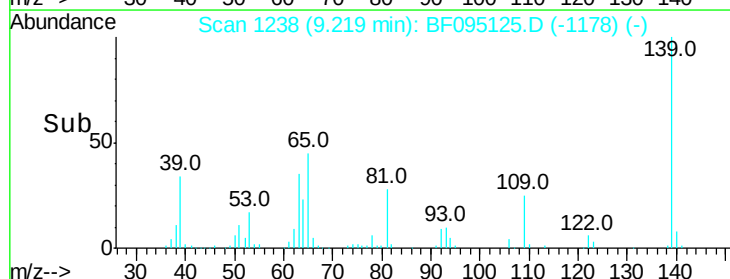
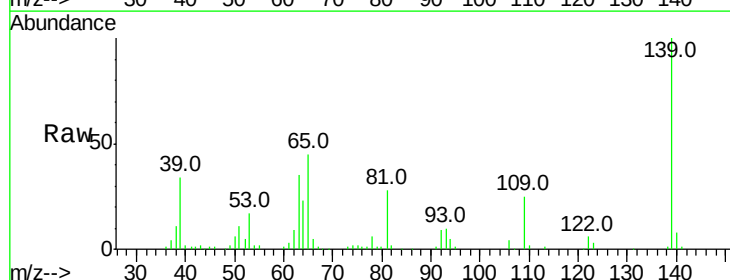
Manual Integrations
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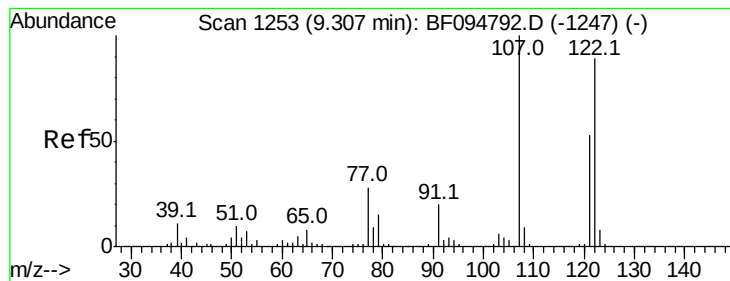
mohammad
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#26
2-Nitrophenol
Concen: 47.95 ng
RT: 9.22 min Scan# 1238
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	24.5	21.0	31.6	
65	44.6	33.0	49.6	





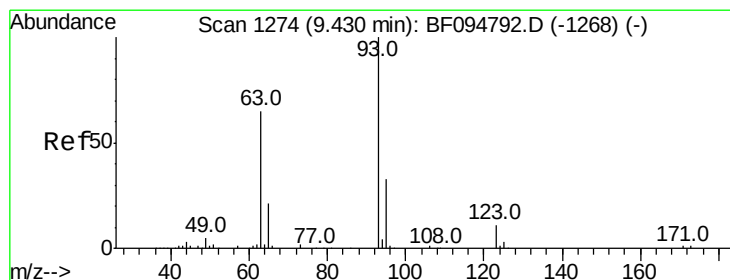
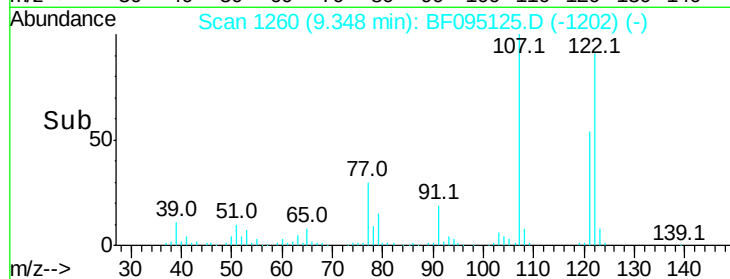
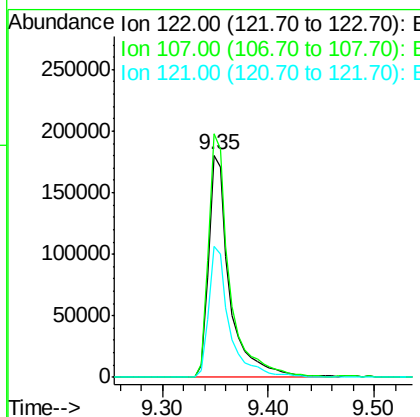
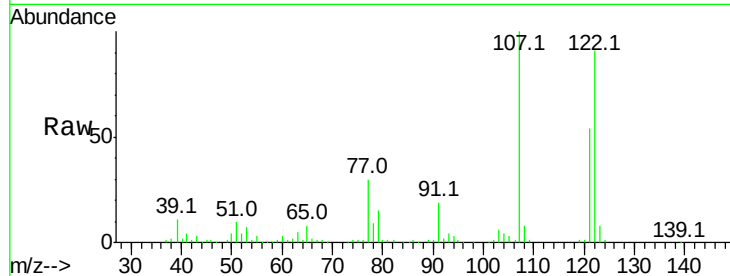
#27
 2,4-Dimethylphenol
 Concen: 47.74 ng
 RT: 9.35 min Scan# 1260
 Delta R.T. 0.04 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampled :
 PB98943BS

Tot Ion:	122	Resp:	251777
Ion Ratio	Lower	Upper	
122	100		
107	109.7	89.2	133.8
121	59.1	45.2	67.8

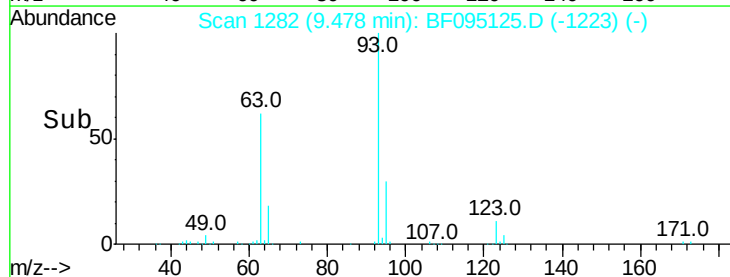
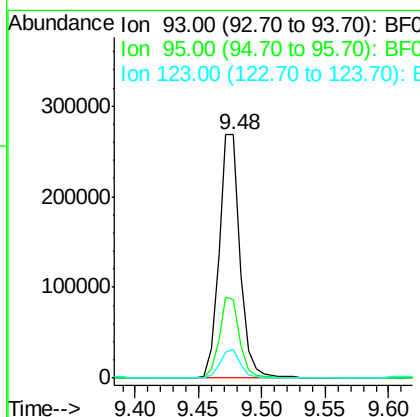
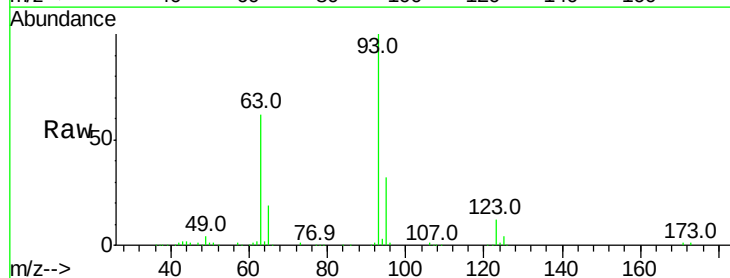
Manual Integrations
 APPROVED

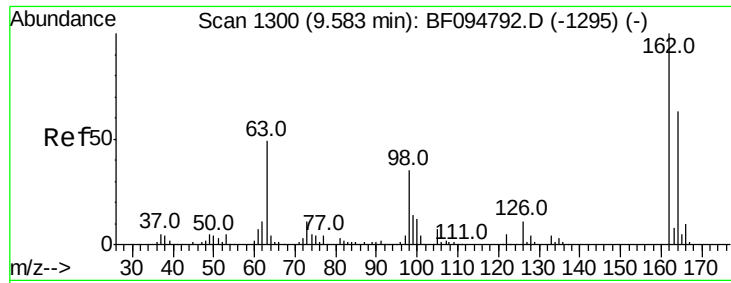
mohammad
 5/17/2017 2:19:58 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.51 ng
 RT: 9.48 min Scan# 1282
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion:	93	Resp:	310003
Ion Ratio	Lower	Upper	
93	100		
95	32.2	26.5	39.7
123	11.7	9.0	13.4





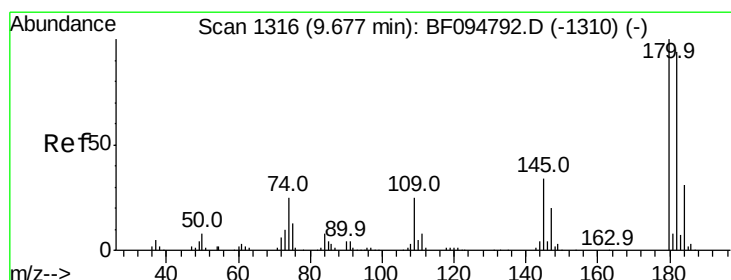
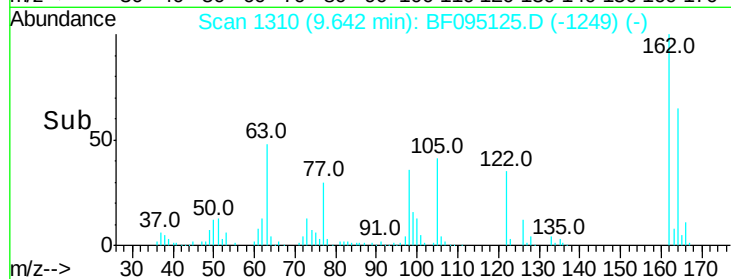
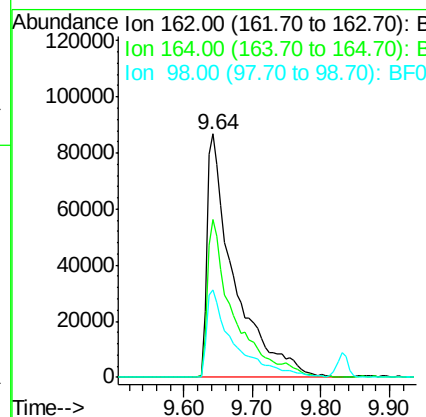
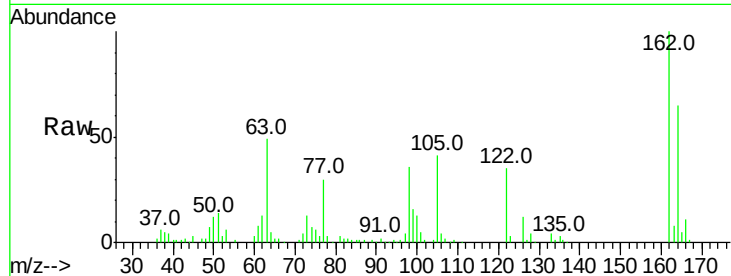
#29
 2,4-Dichlorophenol
 Concen: 48.41 ng
 RT: 9.64 min Scan# 1310
 Delta R.T. 0.06 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.0	44.6	84.6
98	36.0	14.8	54.8

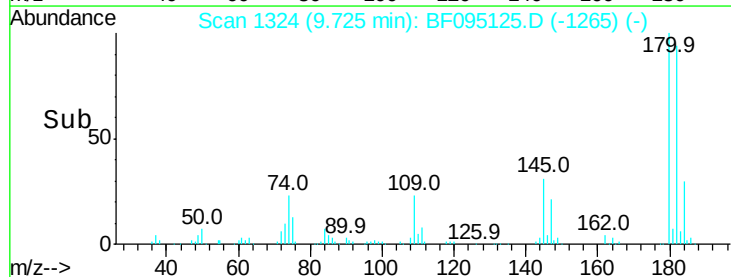
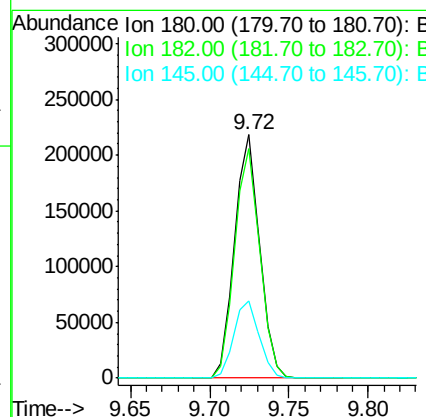
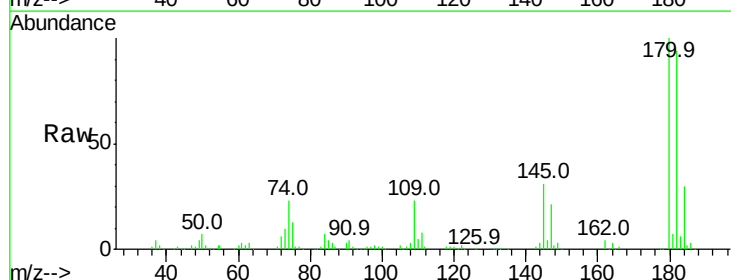
Manual Integrations
 APPROVED

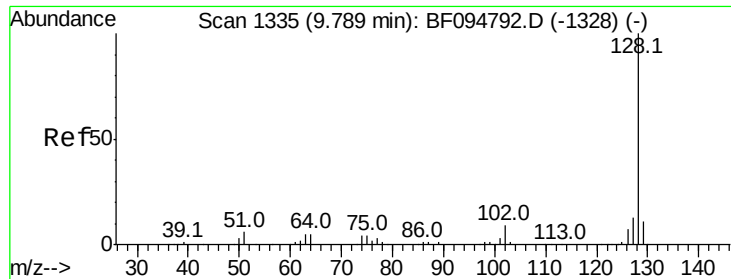
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 44.83 ng
 RT: 9.72 min Scan# 1324
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.2	75.8	113.6
145	31.5	25.3	37.9





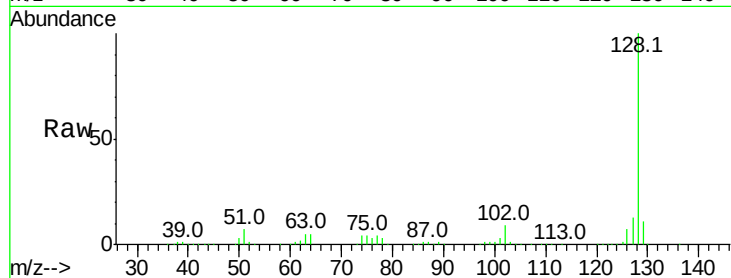
#31
Naphthalene
Concen: 43.33 ng
RT: 9.83 min Scan# 1342
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

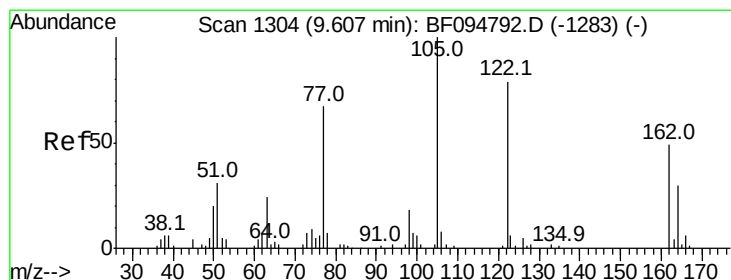
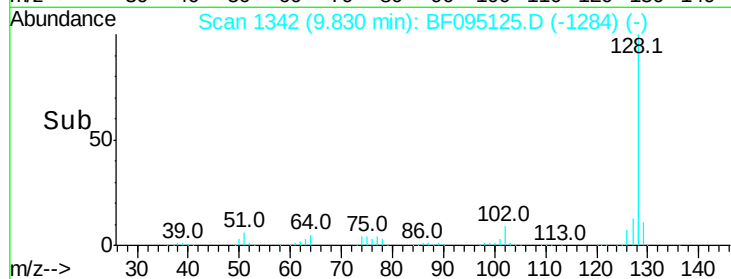
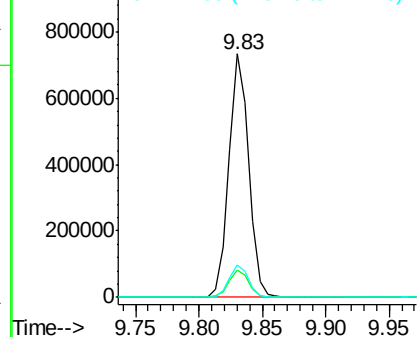
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.0	13.6	
127	13.3	10.8	16.2	

Manual Integrations
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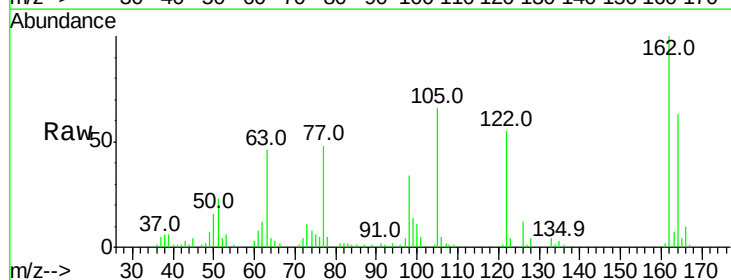


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

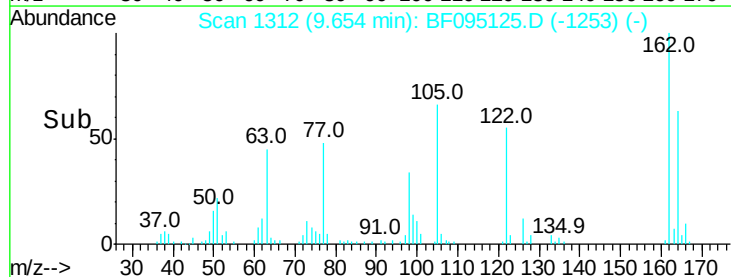
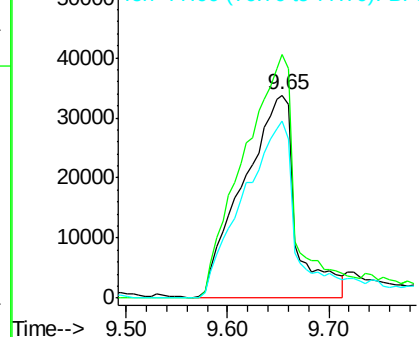


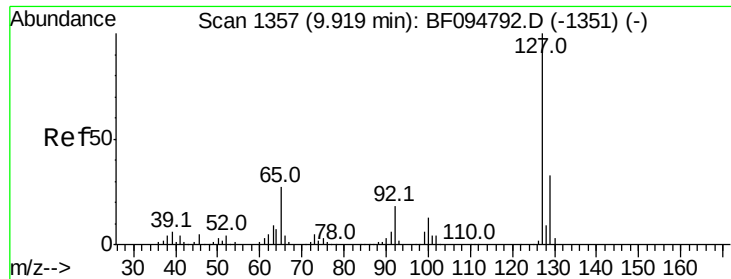
#32
Benzoic acid
Concen: 36.63 ng
RT: 9.65 min Scan# 1312
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	119.9	103.3	143.3	
77	87.2	73.7	113.7	



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





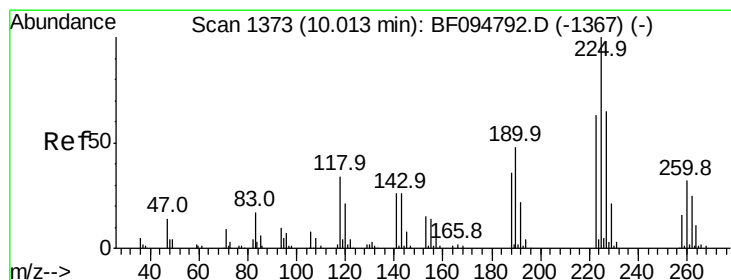
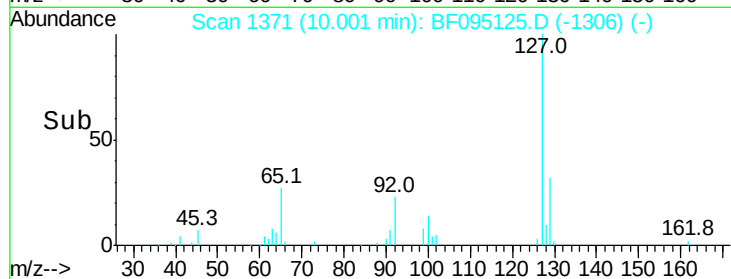
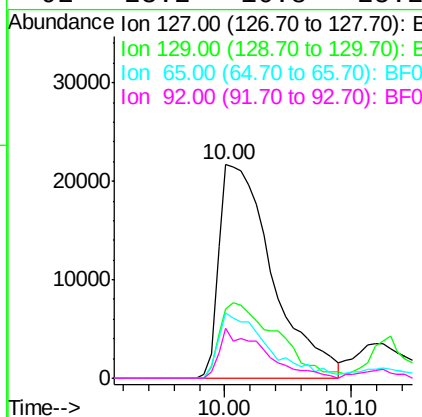
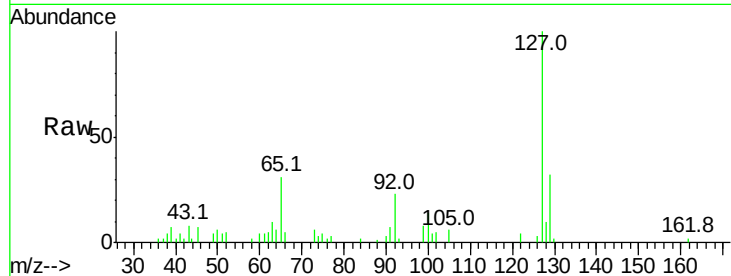
#33
4-Chloroaniline
Concen: 9.37 ng
RT: 10.00 min Scan# 1371
Delta R.T. 0.08 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.2	39.2		
65	30.8	27.8	41.8		
92	23.2	16.8	25.2		

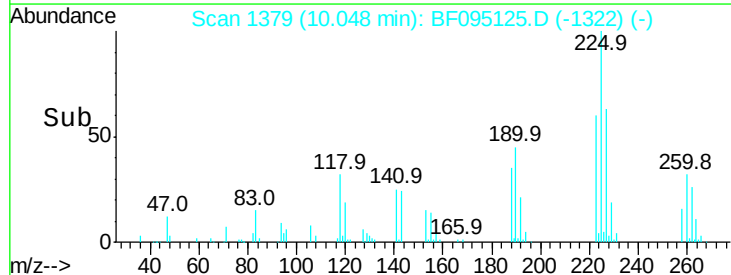
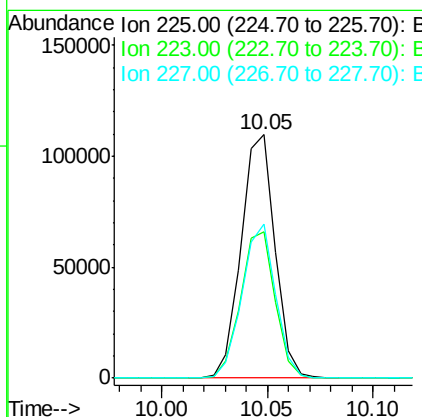
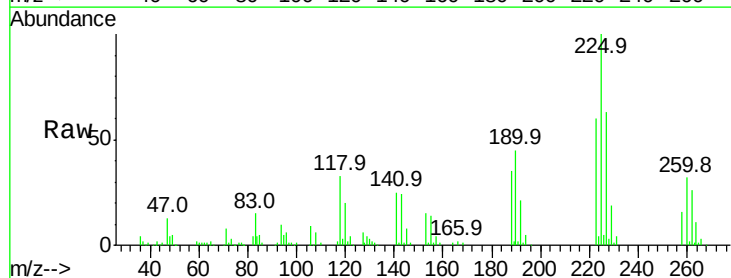
Manual Integrations
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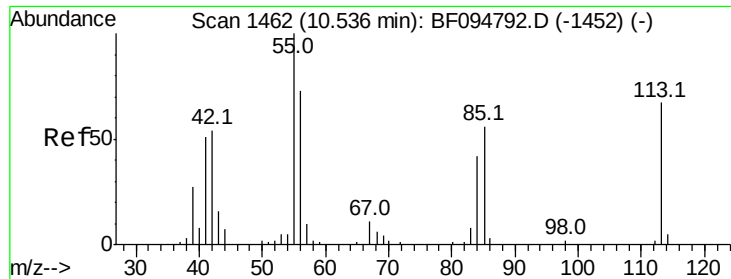
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#34
Hexachlorobutadiene
Concen: 43.36 ng
RT: 10.05 min Scan# 1379
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	60.1	48.8	73.2		
227	63.4	51.1	76.7		





#35

Caprolactam

Concen: 52.27 ng/ml

RT: 10.61 min Scan# 1475

Delta R.T. 0.08 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

PB98943BS

Tot Ion:113 Resp: 78159

Ion Ratio Lower Upper

113 100

55 154.5 150.2 190.2

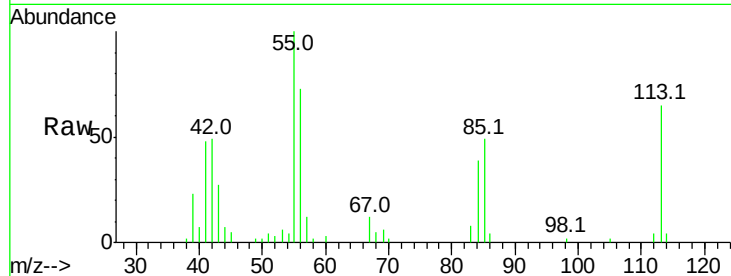
56 112.7 107.8 147.8

Manual Integrations

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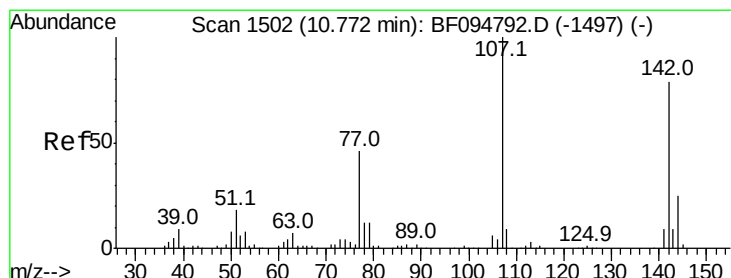
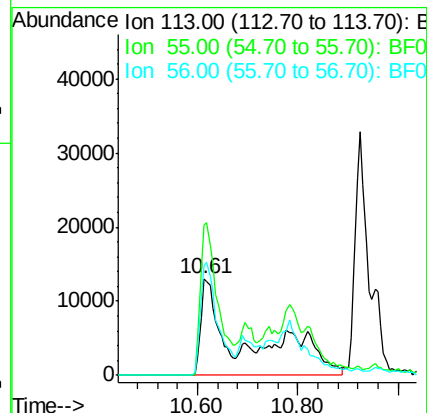
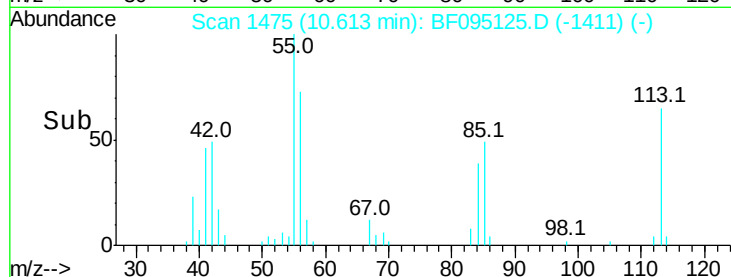
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.32 ng/ml

RT: 10.82 min Scan# 1511

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

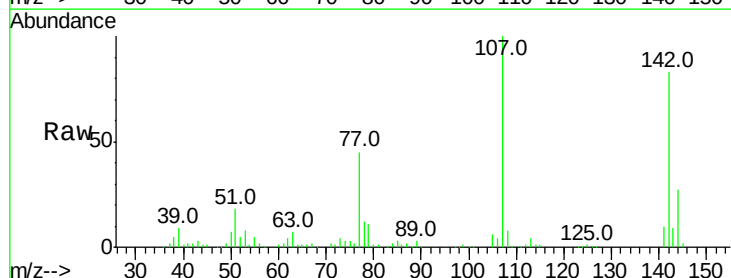
Tgt Ion:107 Resp: 235986

Ion Ratio Lower Upper

107 100

144 27.0 24.2 36.4

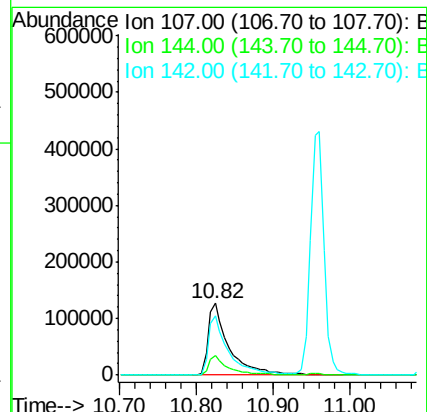
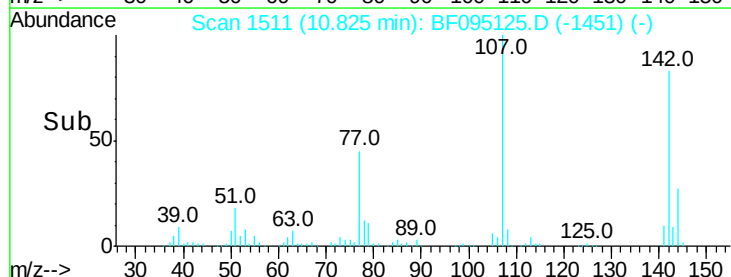
142 82.9 73.4 110.0

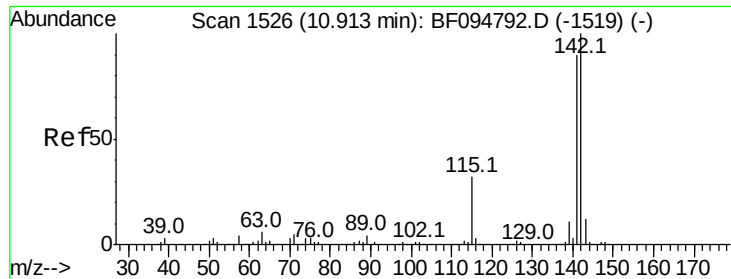


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





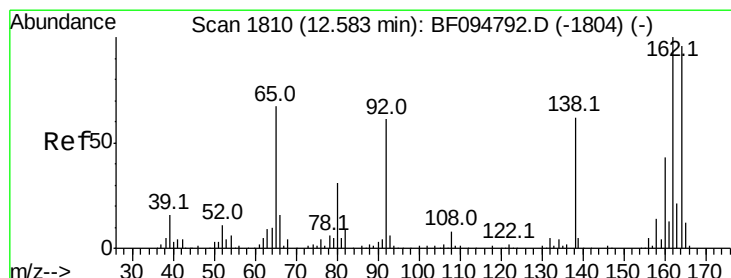
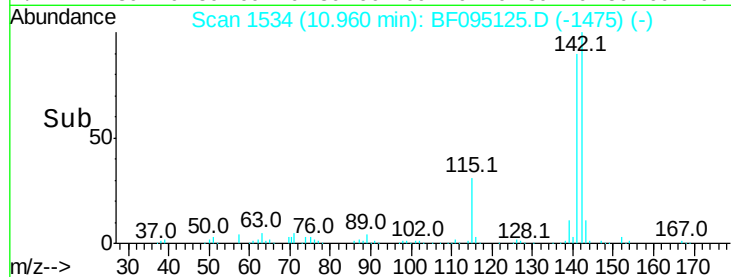
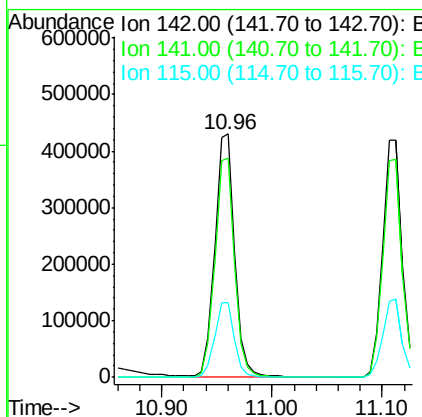
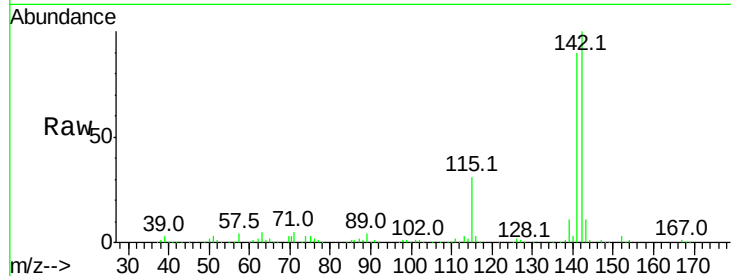
#37
2-Methylnaphthalene
Concen: 44.27 ng
RT: 10.96 min Scan# 1534
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	531110		
141	90.1	71.3	106.9	
115	30.5	27.1	40.7	

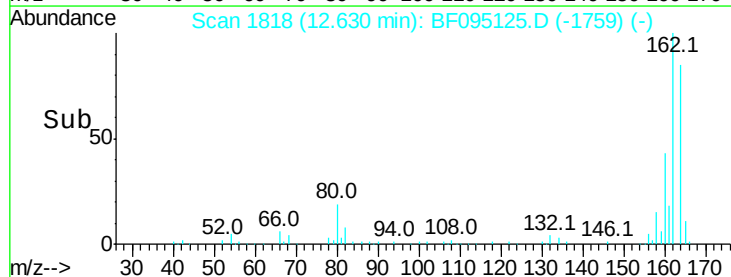
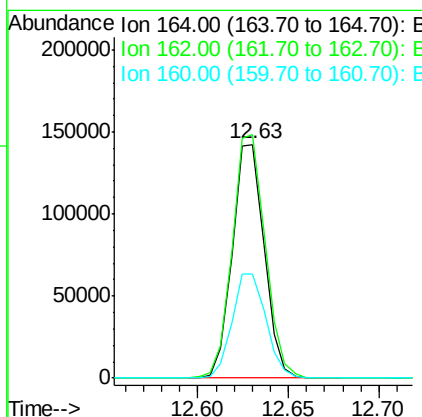
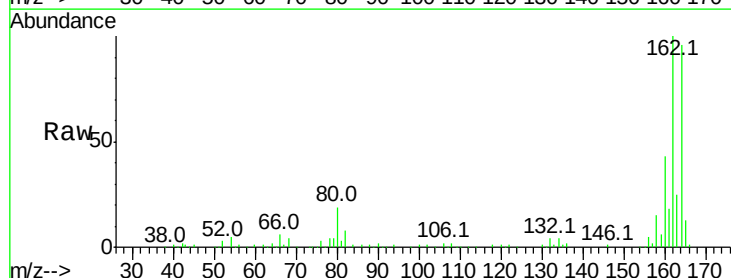
Manual Integrations
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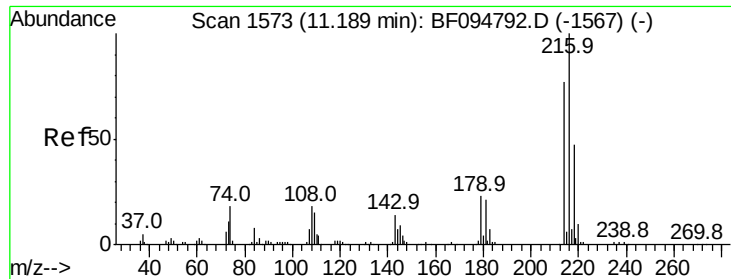
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1818
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174555		
162	104.0	82.6	123.8	
160	44.3	36.2	54.2	





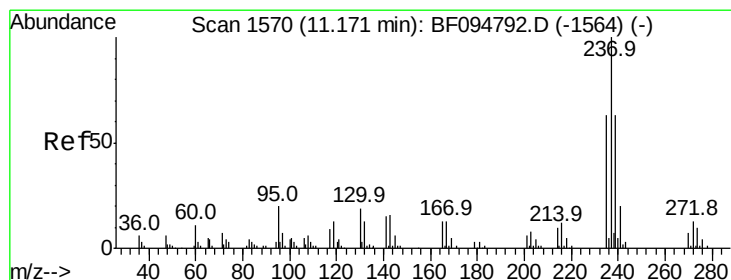
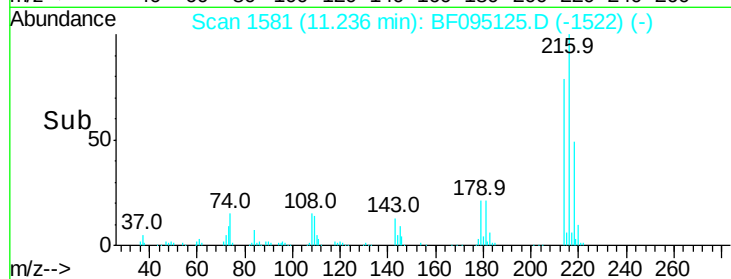
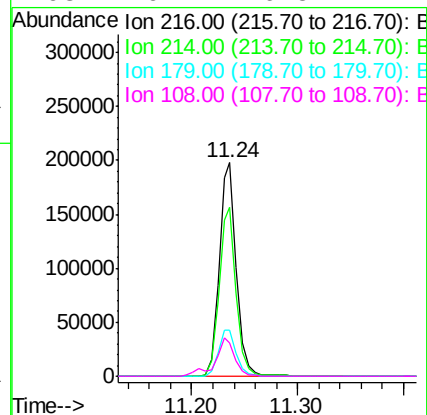
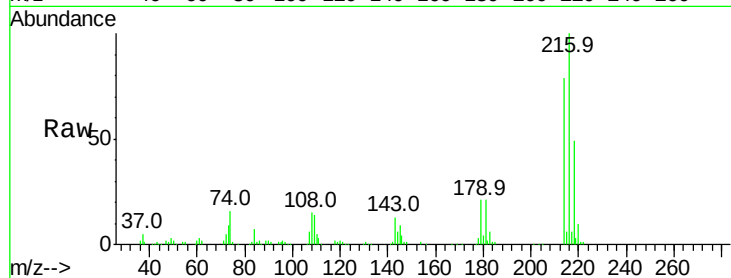
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.85 ng
 RT: 11.24 min Scan# 1581
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	224637		
214	79.0	63.4	95.2	
179	22.4	17.9	26.9	
108	20.2	16.5	24.7	

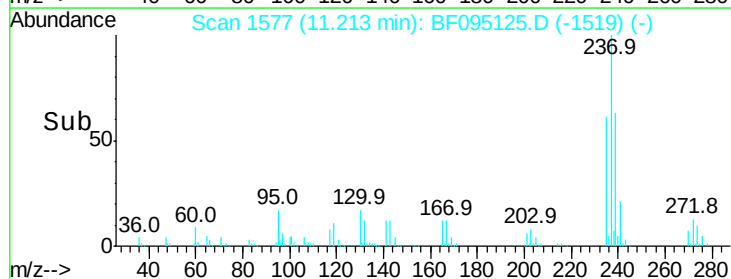
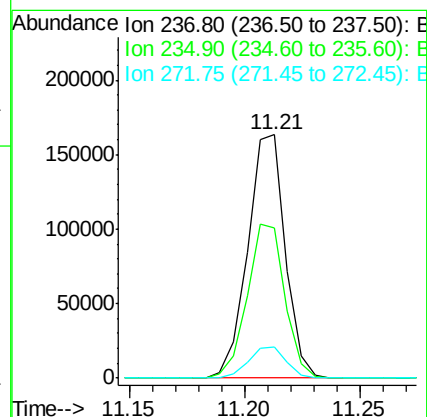
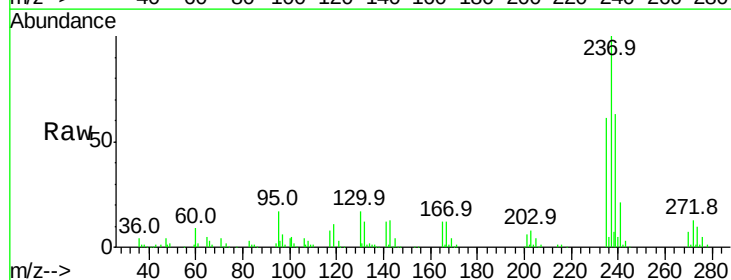
Manual Integrations
 APPROVED

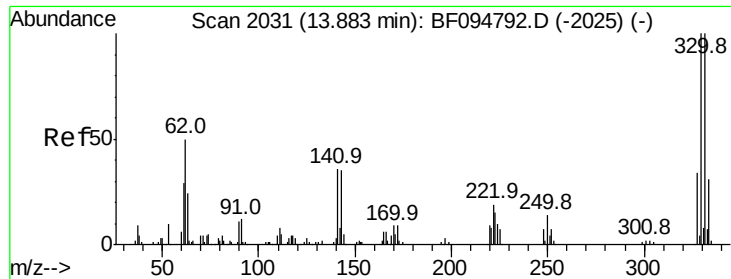
mohammad
 5/17/2017 2:19:58 PM



#40
 Hexachlorocyclopentadiene
 Concen: 81.81 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. 0.04 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	184962		
235	61.5	42.6	82.6	
272	12.8	0.0	31.9	





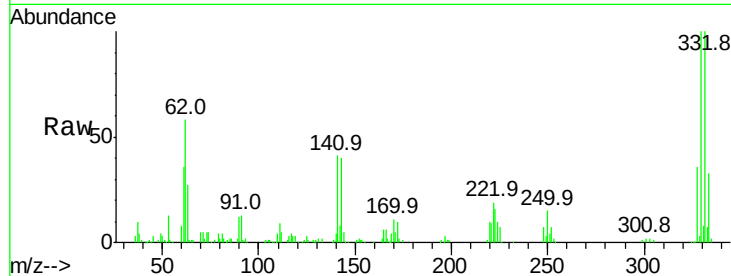
#41
 2,4,6-Tribromophenol
 Concen: 143.48 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	205105		
332	96.9	76.6	115.0	
141	40.1	31.4	47.2	

Manual Integrations
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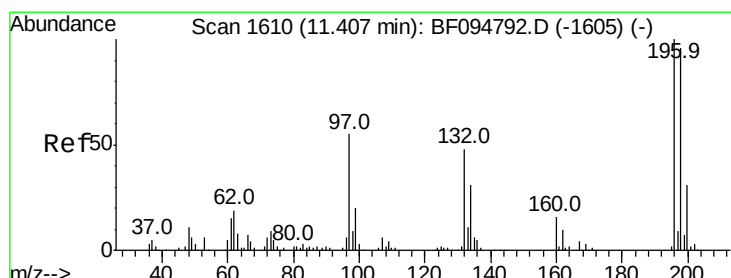
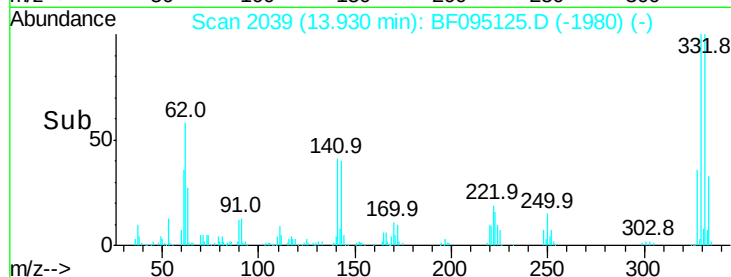
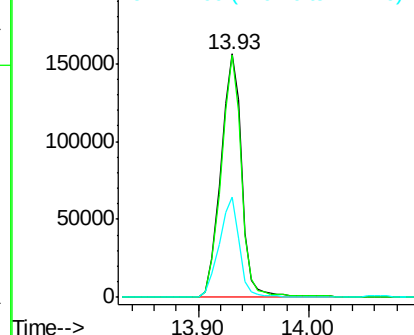


Abundance

Ion 329.80 (329.50 to 330.50): E

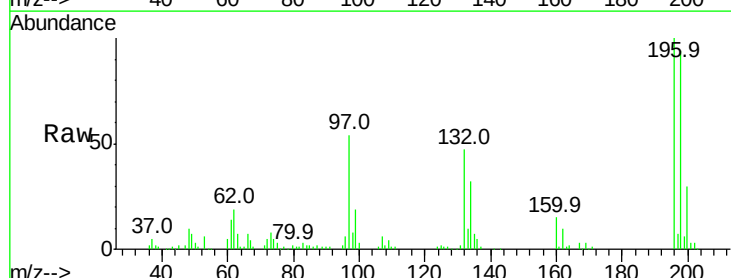
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 46.65 ng
 RT: 11.45 min Scan# 1618
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	167194		
198	93.6	74.2	111.4	
200	30.2	24.0	36.0	

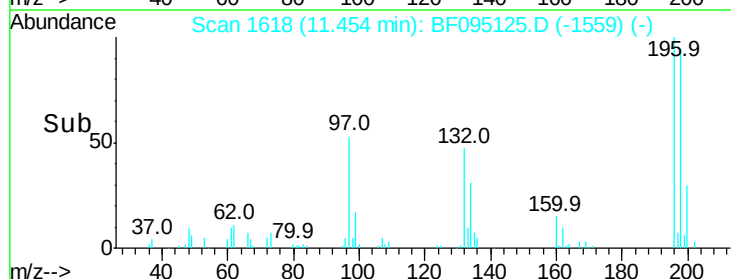
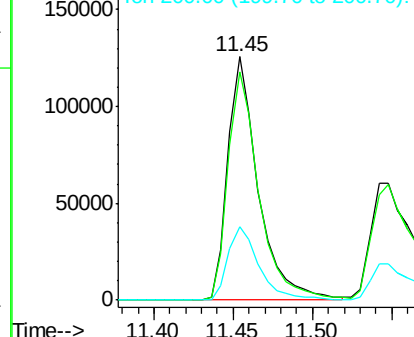


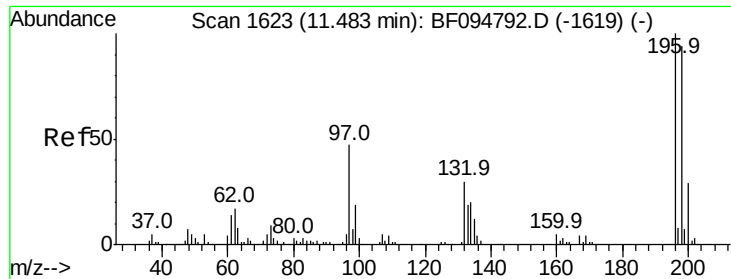
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





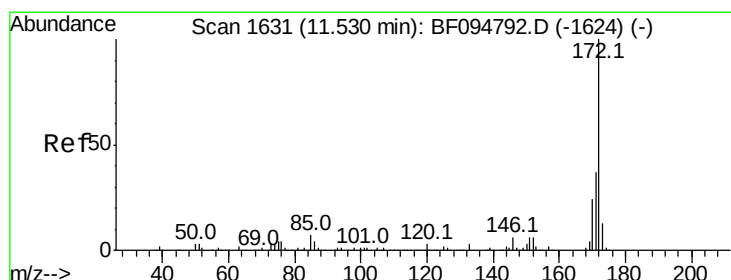
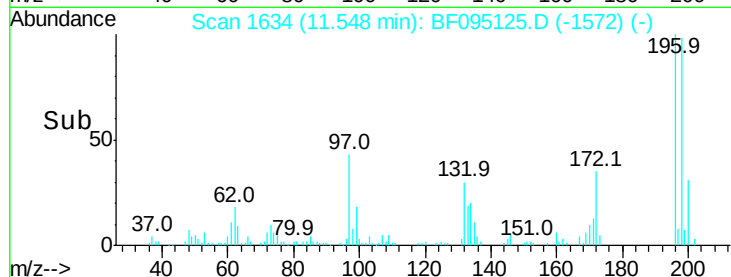
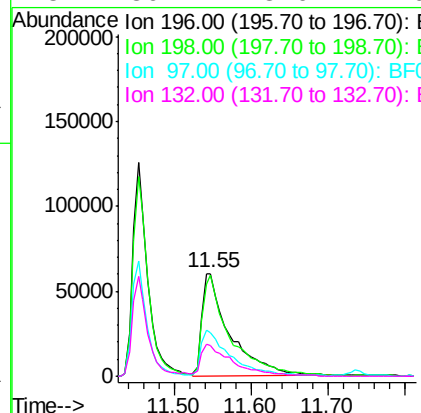
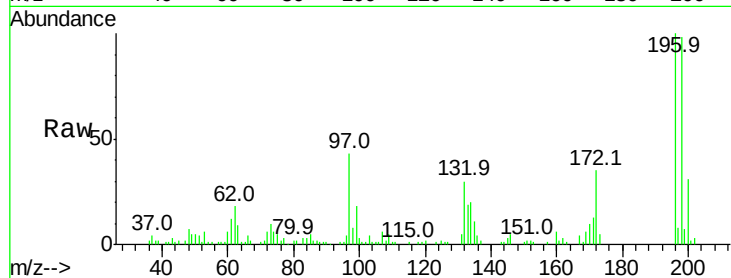
#43
2,4,5-Trichlorophenol
Concen: 39.50 ng
RT: 11.55 min Scan# 1634
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	152158		
198	97.9	75.7	113.5	
97	42.7	47.7	71.5#	
132	30.1	28.0	42.0	

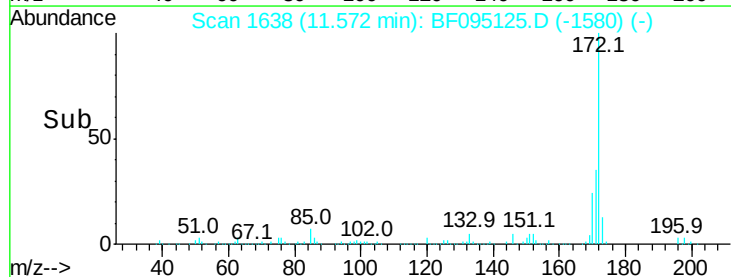
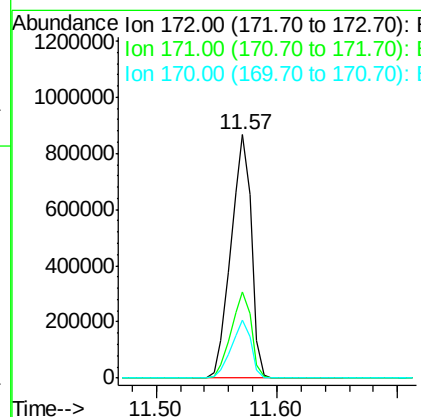
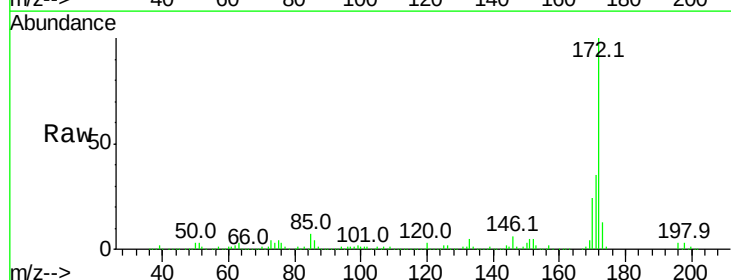
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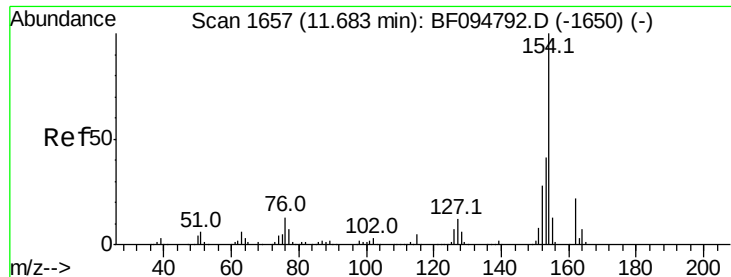
mohammad
5/17/2017 2:19:58 PM



#44
2-Fluorobiphenyl
Concen: 83.54 ng
RT: 11.57 min Scan# 1638
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1013182		
171	35.5	29.6	44.4	
170	23.9	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 45.10 ng

RT: 11.72 min Scan# 1664

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

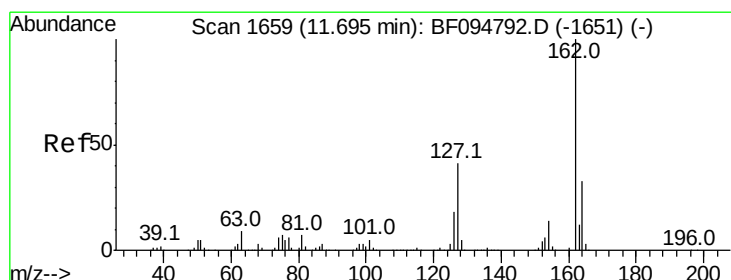
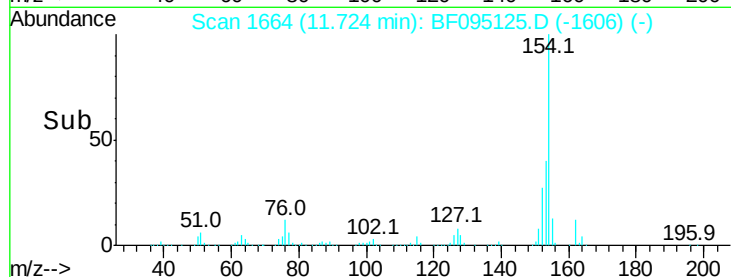
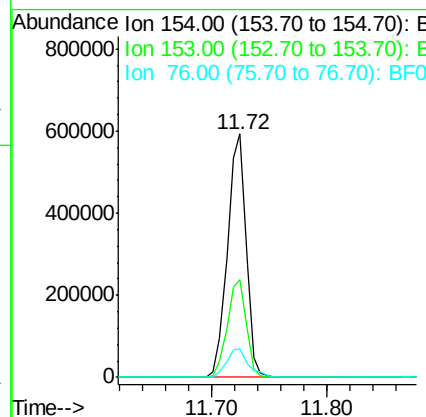
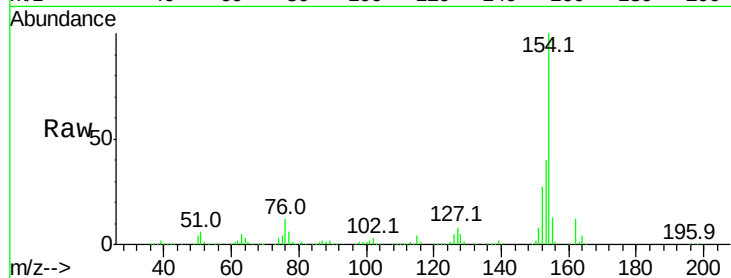
ClientSampleId :

PB98943BS

Tot Ion:	154	Resp:	662878
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.2	61.2
76	11.9	0.0	29.9

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#46

2-Chloronaphthalene

Concen: 43.76 ng

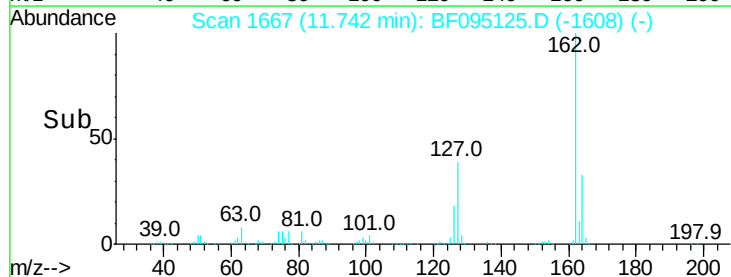
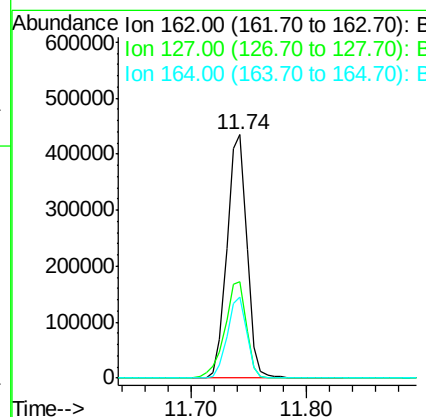
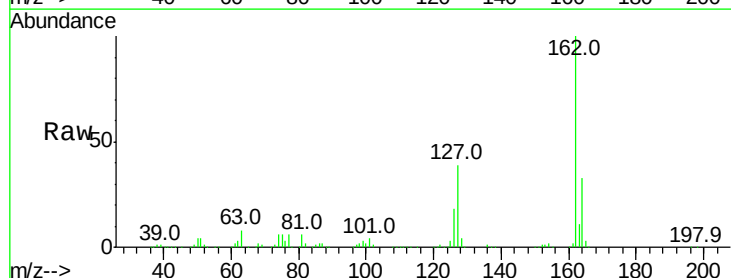
RT: 11.74 min Scan# 1667

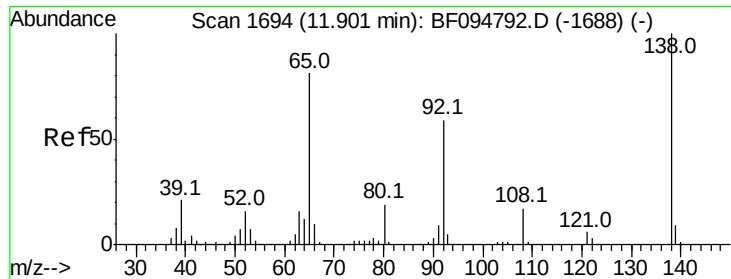
Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	162	Resp:	519347
Ion Ratio	Lower	Upper	
162	100		
127	39.5	28.3	42.5
164	33.0	27.0	40.4





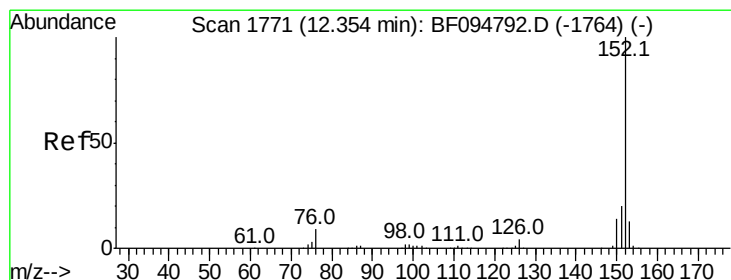
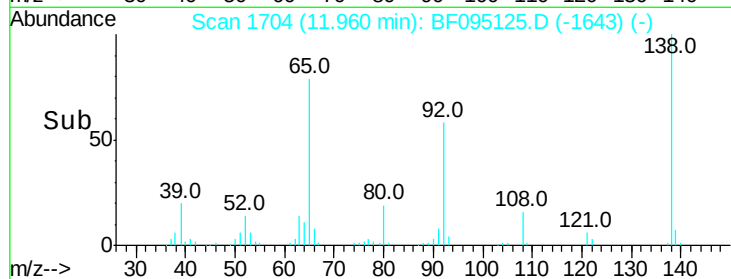
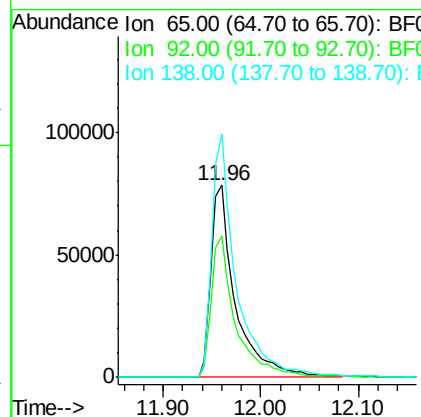
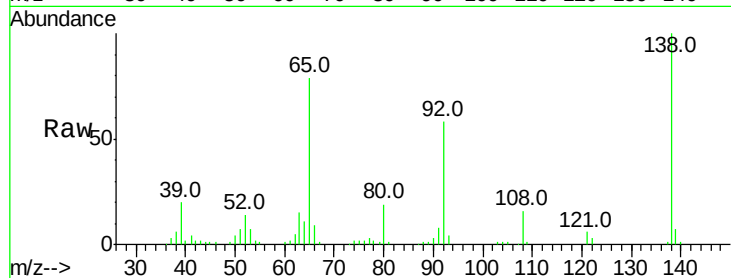
#47
 2-Nitroaniline
 Concen: 42.43 ng
 RT: 11.96 min Scan# 1704
 Delta R.T. 0.06 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.3	53.9	80.9
138	126.8	78.8	118.2

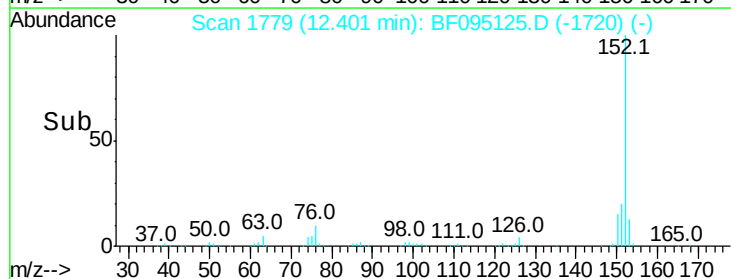
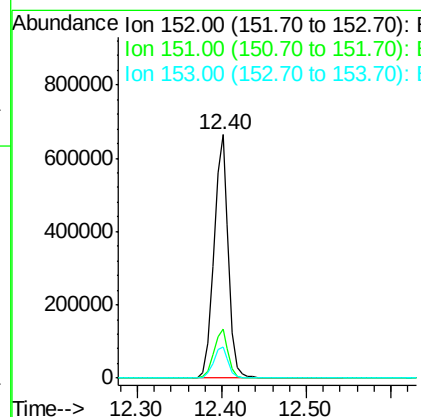
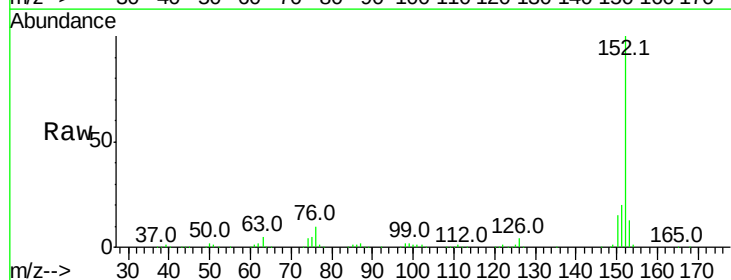
Manual Integrations
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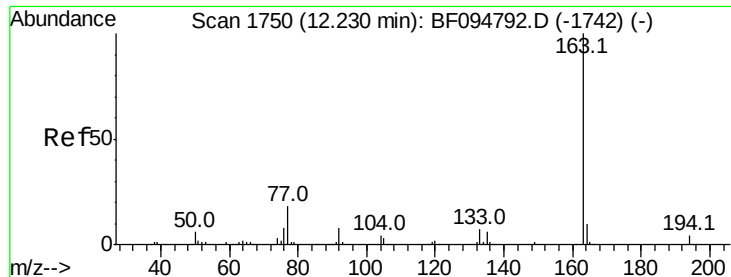
mohammad
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#48
 Acenaphthylene
 Concen: 42.65 ng
 RT: 12.40 min Scan# 1779
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	13.0	10.8	16.2





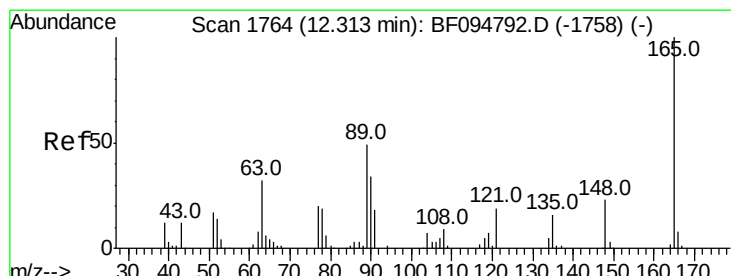
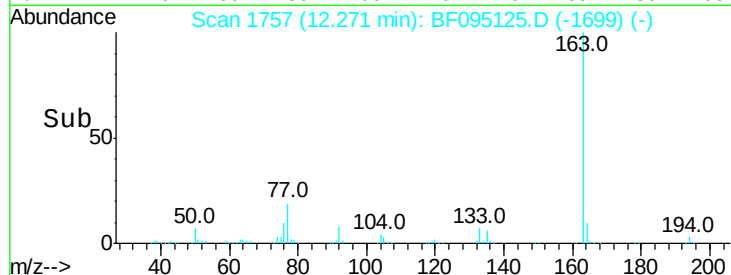
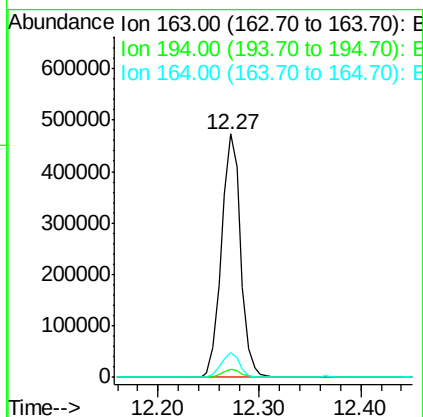
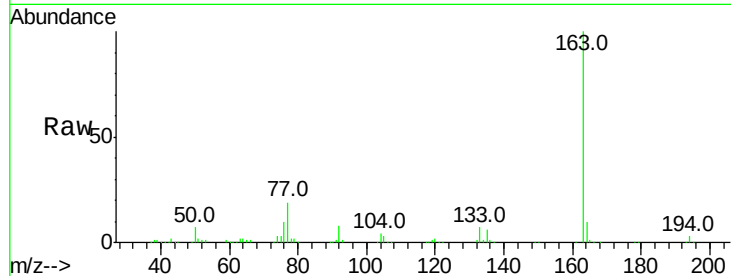
#49
Dimethylphthalate
Concen: 42.97 ng
RT: 12.27 min Scan# 1757
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	615767		
194	3.2		2.6	4.0
164	10.0		8.4	12.6

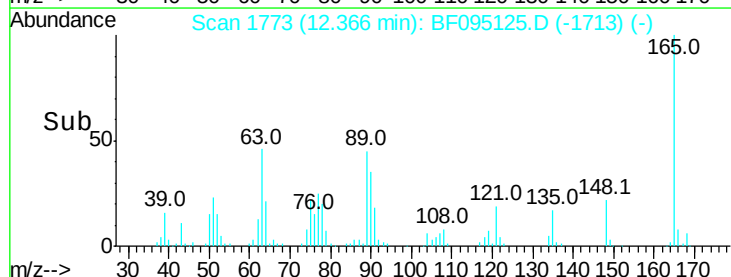
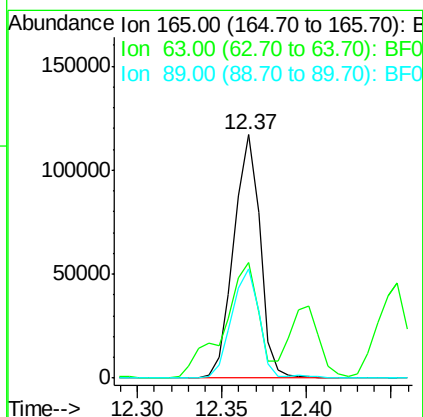
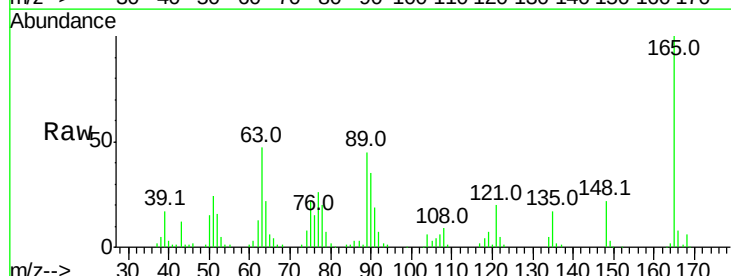
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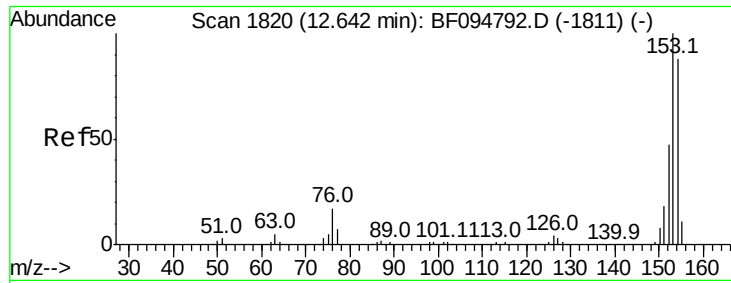
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#50
2,6-Dinitrotoluene
Concen: 43.49 ng
RT: 12.37 min Scan# 1773
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	127157		
63	47.4		34.3	51.5
89	45.1		37.1	55.7





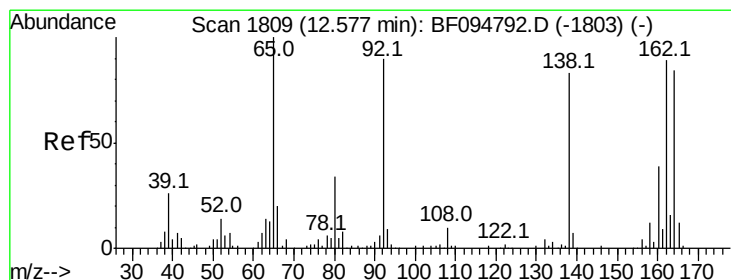
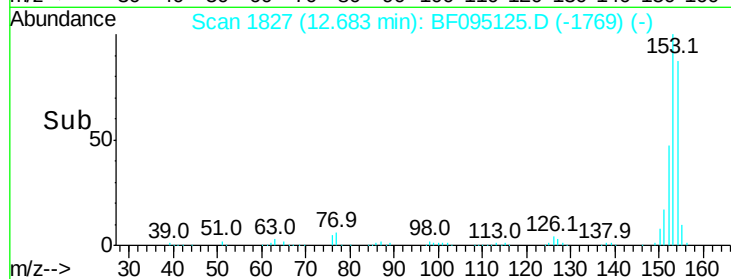
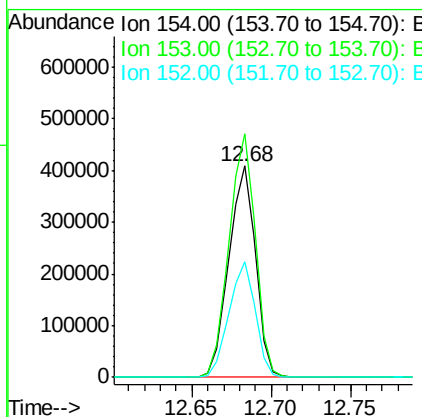
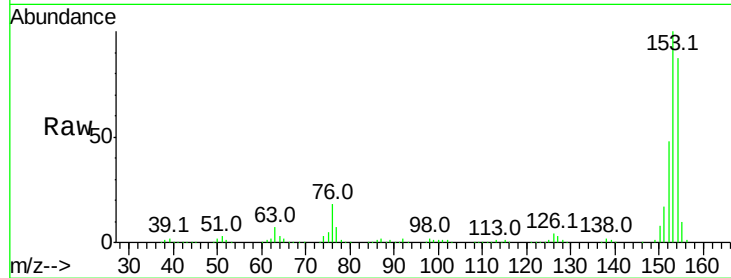
#51
Acenaphthene
Concen: 42.99 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.5	135.7
152	54.9	43.6	65.4

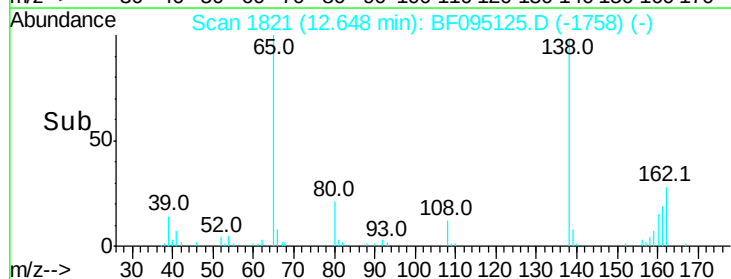
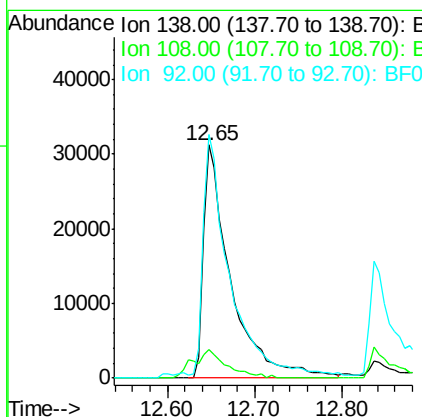
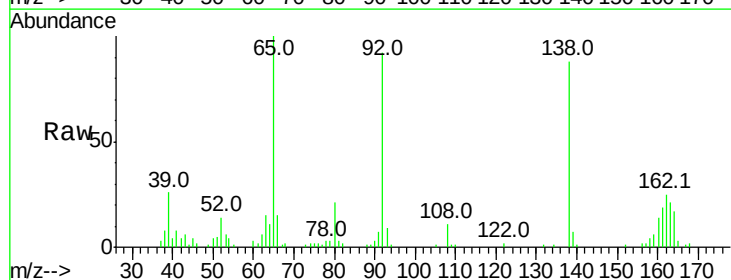
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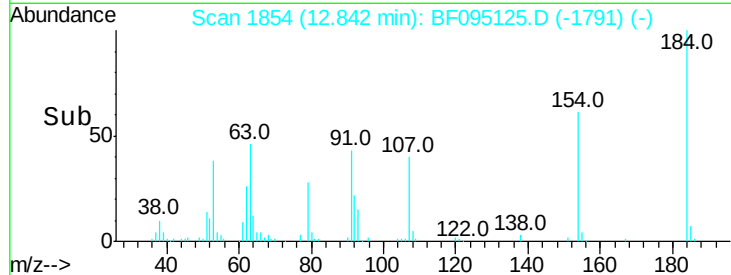
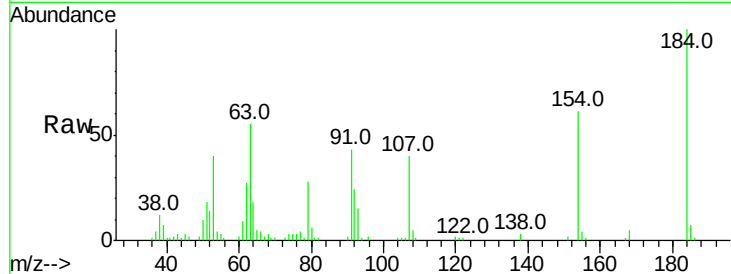
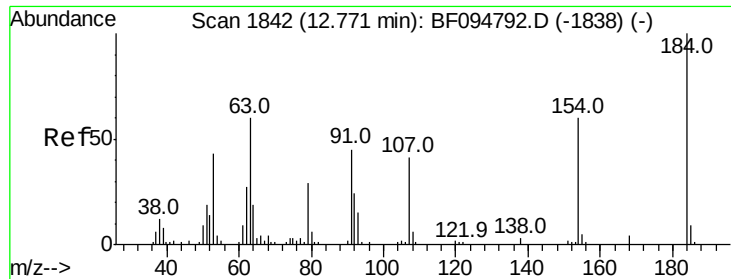
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#52
3-Nitroaniline
Concen: 21.52 ng
RT: 12.65 min Scan# 1821
Delta R.T. 0.07 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	104.5	93.8	140.6





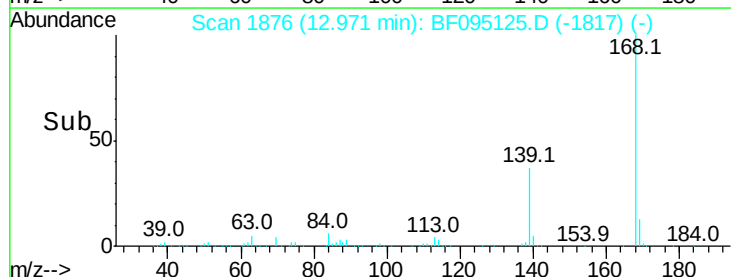
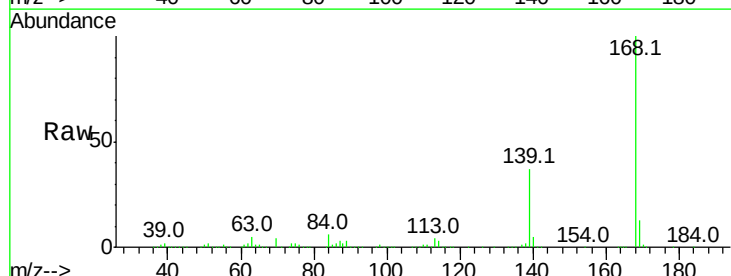
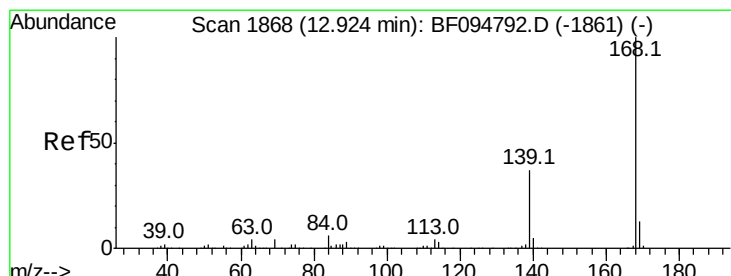
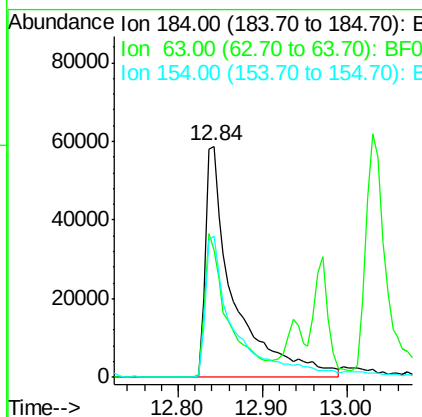
#53
2,4-Dinitrophenol
Concen: 84.75 ng
RT: 12.84 min Scan# 1854
Delta R.T. 0.07 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	137106		
63	55.0	62.7	94.1#	
154	61.1	81.1	121.7#	

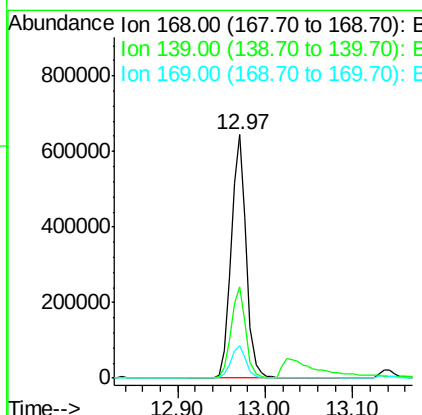
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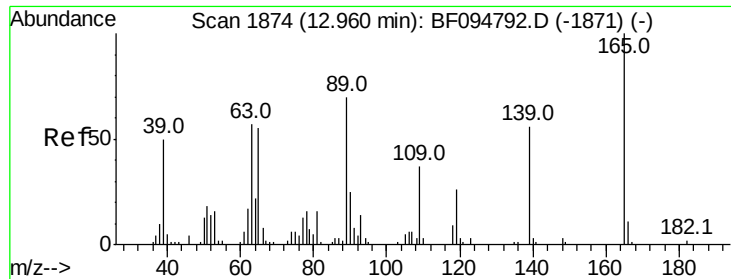
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#54
Dibenzofuran
Concen: 49.05 ng
RT: 12.97 min Scan# 1876
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	753628		
139	37.3	30.6	45.8	
169	13.3	10.8	16.2	





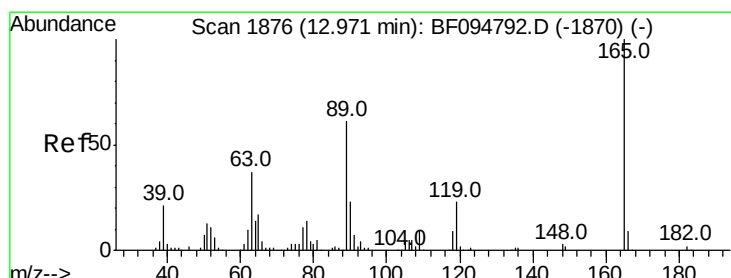
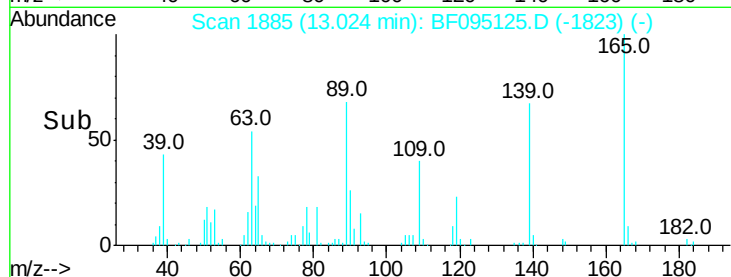
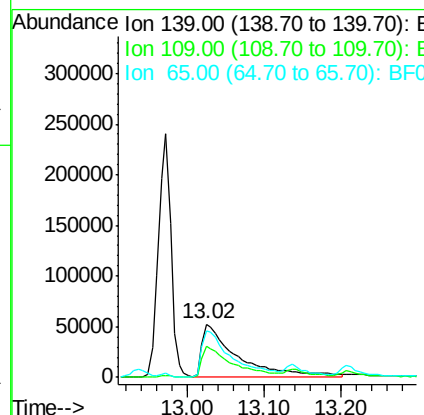
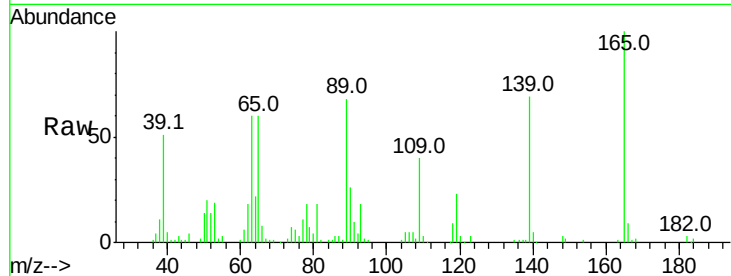
#55
4-Nitrophenol
Concen: 83.87 ng
RT: 13.02 min Scan# 1885
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion:139 Resp: 158068
Ion Ratio Lower Upper
139 100
109 58.3 34.1 74.1
65 87.8 31.4 71.4#

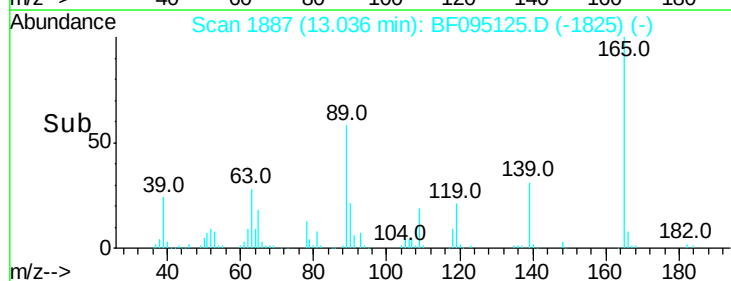
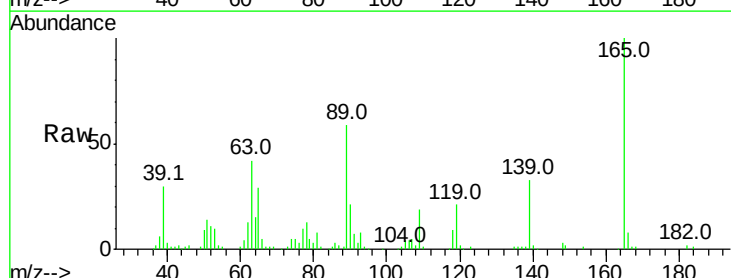
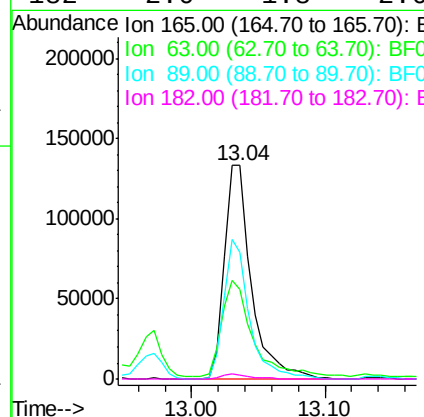
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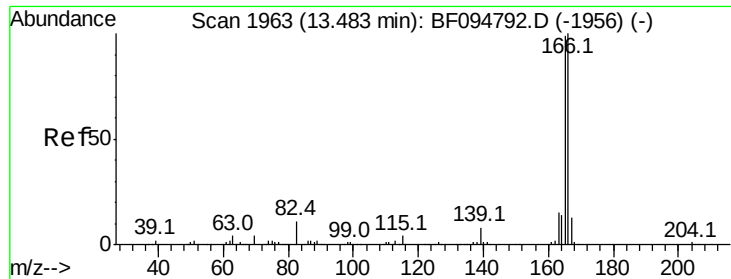
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#56
2,4-Dinitrotoluene
Concen: 50.75 ng
RT: 13.04 min Scan# 1887
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion:165 Resp: 190638
Ion Ratio Lower Upper
165 100
63 41.9 25.4 38.0#
89 59.4 46.4 69.6
182 2.0 1.8 2.6





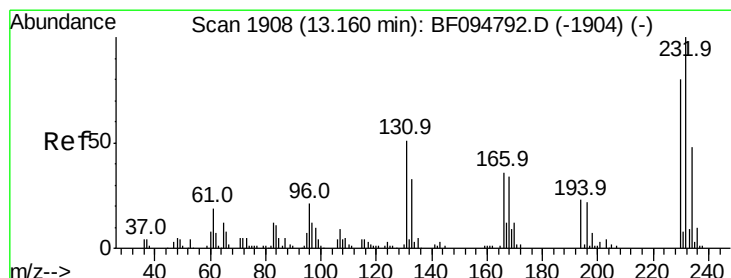
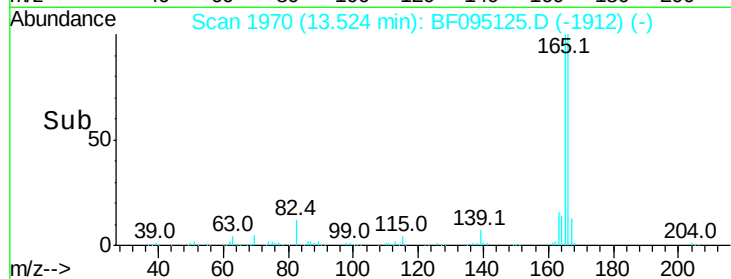
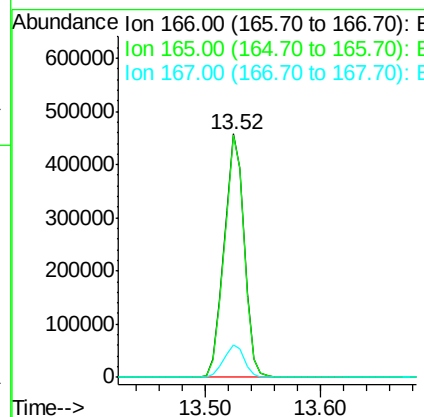
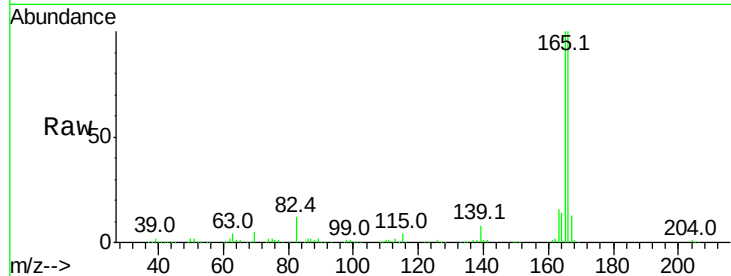
#57
 Fluorene
 Concen: 41.05 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.04 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.7	78.8	118.2	
167	13.1	10.6	16.0	

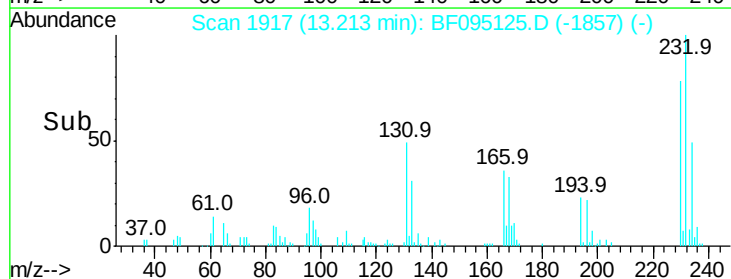
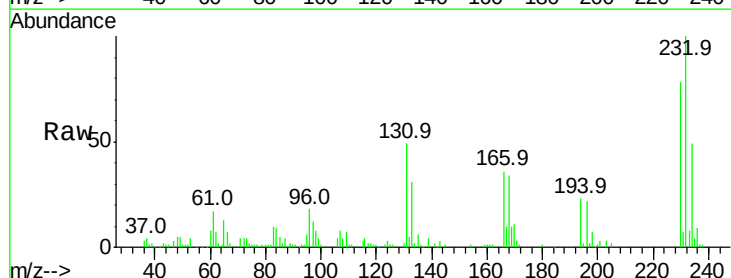
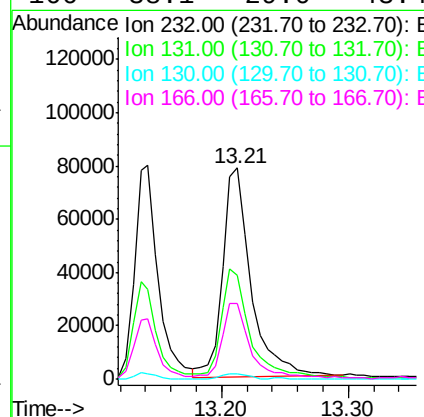
Manual Integrations
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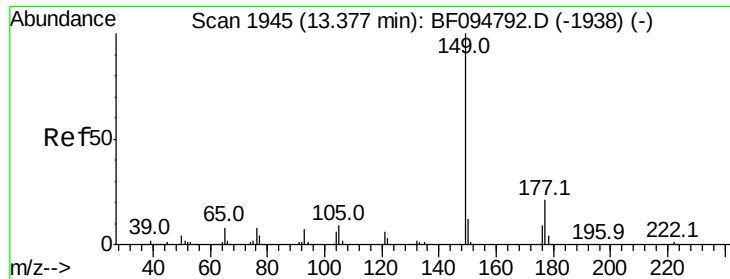
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 5/17/2017 2:19:58 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.37 ng
 RT: 13.21 min Scan# 1917
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	53.1	44.8	67.2	
130	2.2	2.3	3.5	
166	38.1	29.0	43.4	





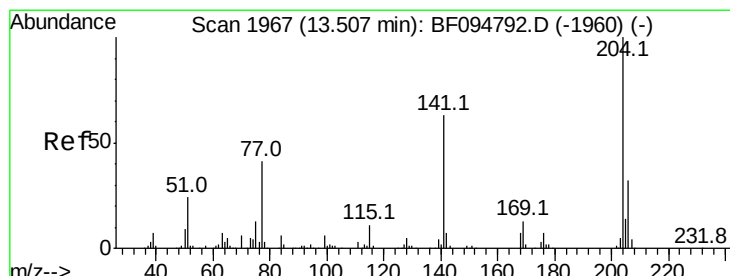
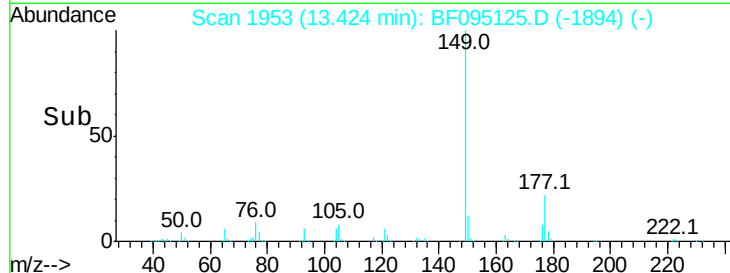
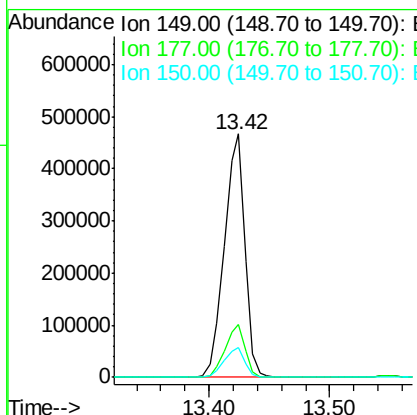
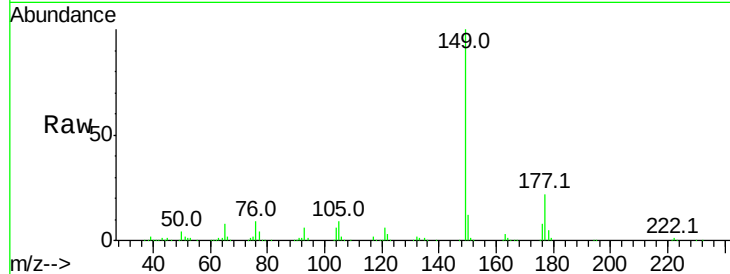
#59
 Diethylphthalate
 Concen: 39.77 ng
 RT: 13.42 min Scan# 1953
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion:	149	Resp:	546207
Ion Ratio	Lower	Upper	
149	100		
177	21.6	16.7	25.1
150	12.1	10.2	15.2

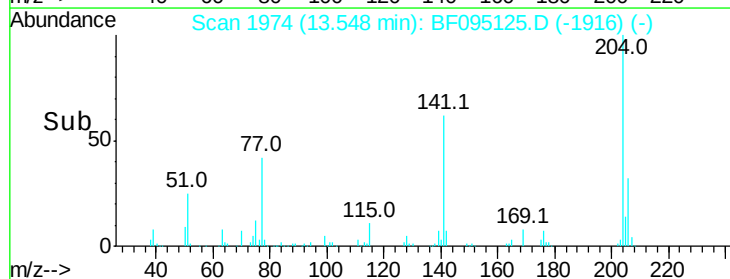
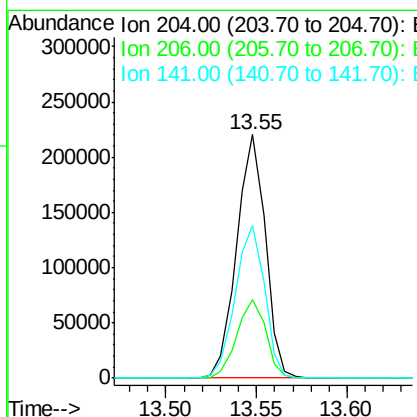
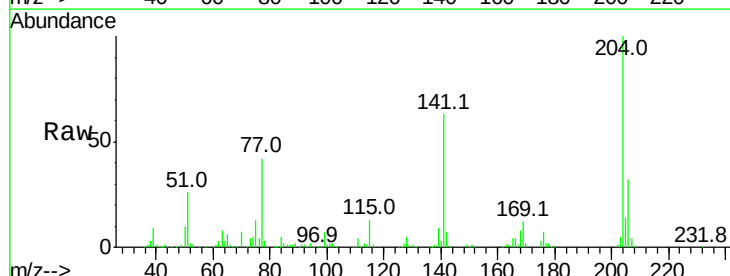
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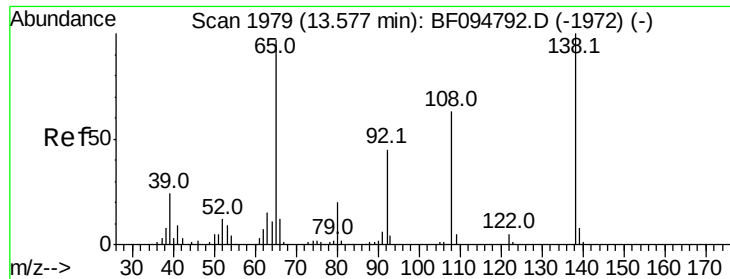
mohammad
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#60
 4-Chlorophenyl-phenylether
 Concen: 41.39 ng
 RT: 13.55 min Scan# 1974
 Delta R.T. 0.04 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion:	204	Resp:	243016
Ion Ratio	Lower	Upper	
204	100		
206	32.0	26.2	39.2
141	62.9	60.8	91.2





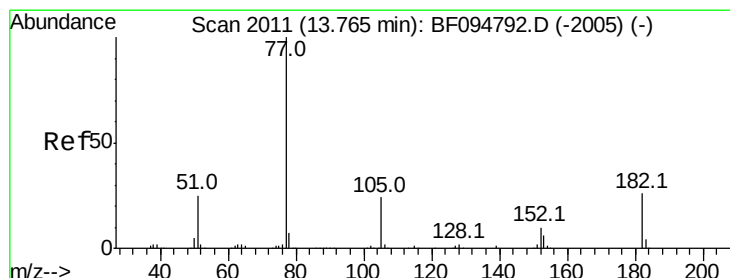
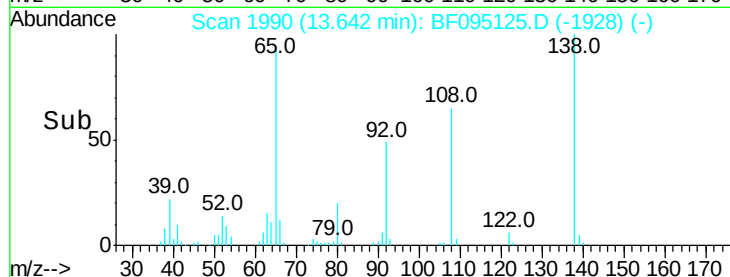
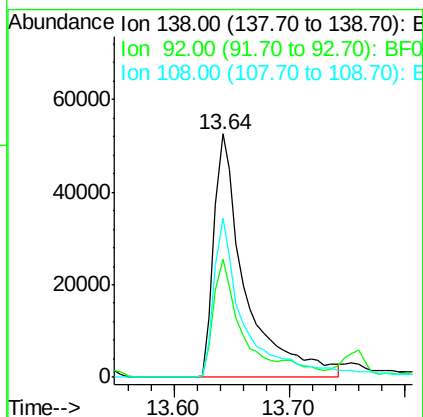
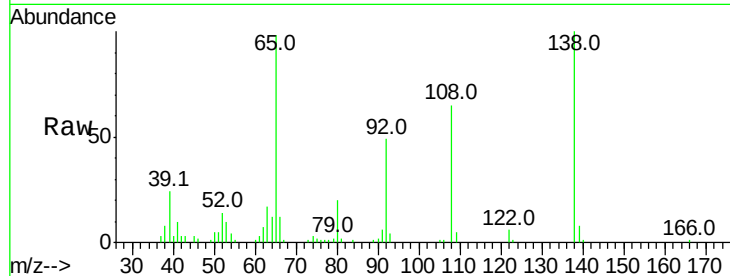
#61
4-Nitroaniline
Concen: 34.57 ng
RT: 13.64 min Scan# 1990
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	48.7	21.8	61.8
108	65.1	42.3	82.3

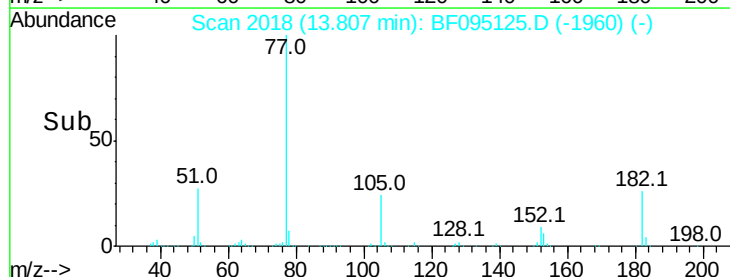
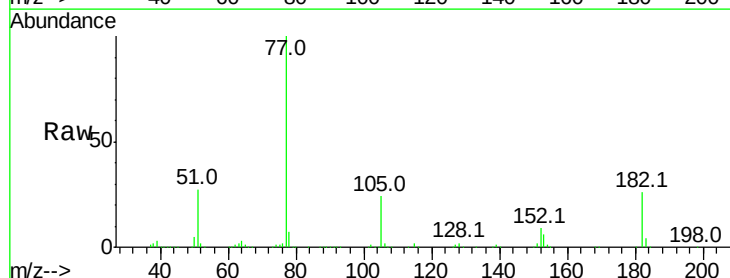
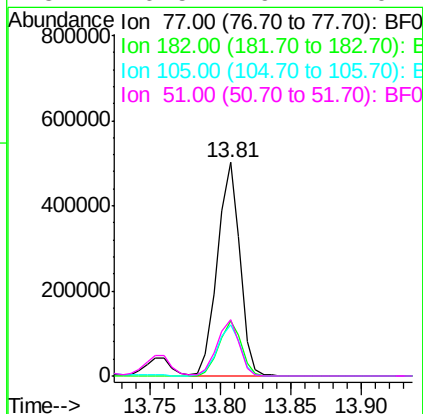
Manual Integrations
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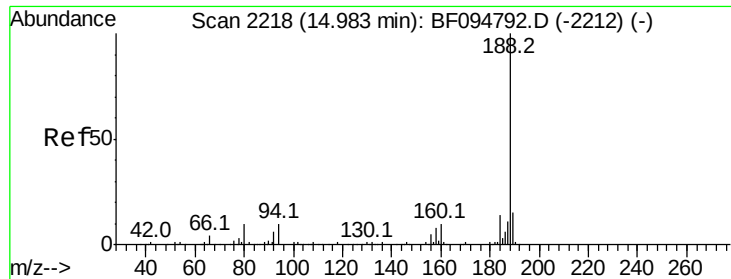
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#62
Azobenzene
Concen: 50.31 ng
RT: 13.81 min Scan# 2018
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.6	0.1	40.1
105	23.7	3.6	43.6
51	26.5	9.4	49.4





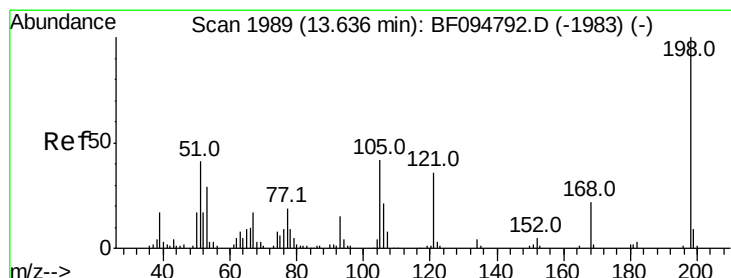
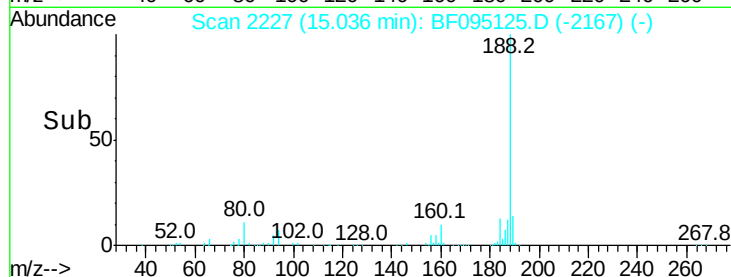
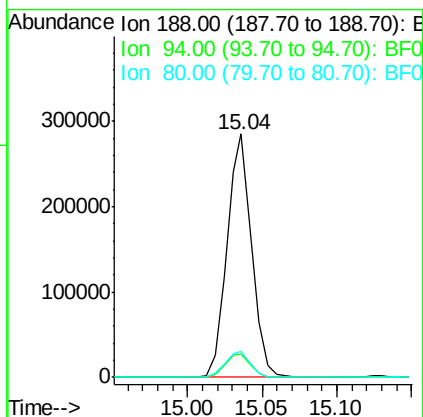
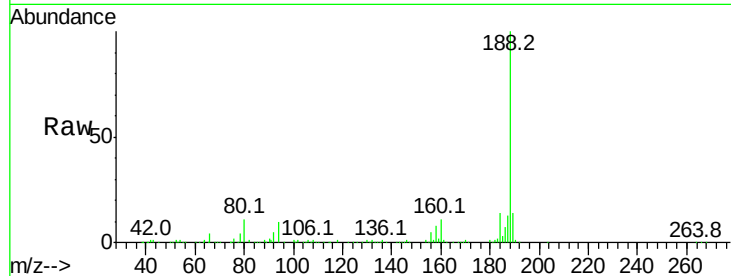
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	329662		
94	9.6		9.4	14.2
80	10.7		10.2	15.2

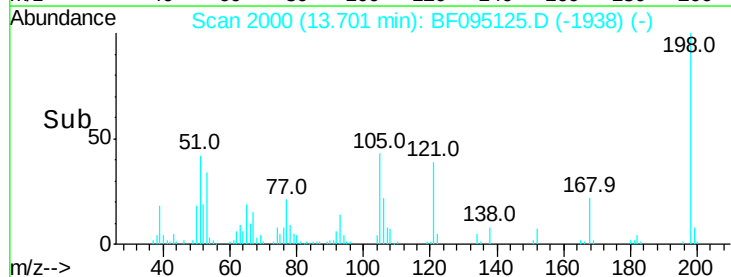
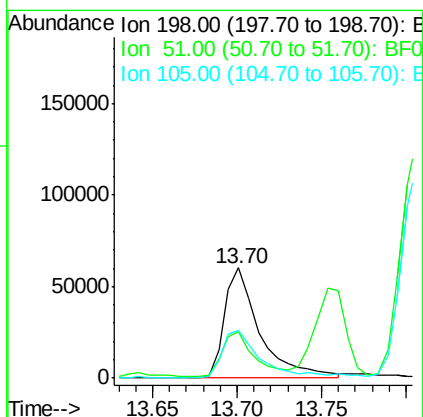
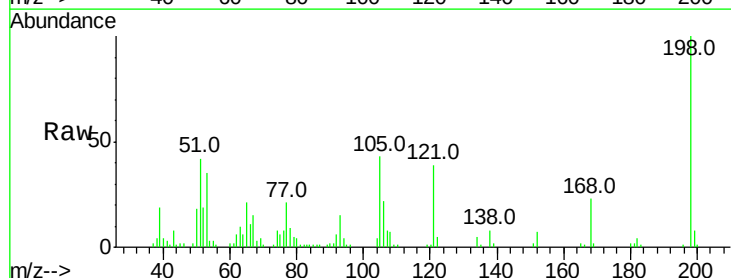
Manual Integrations
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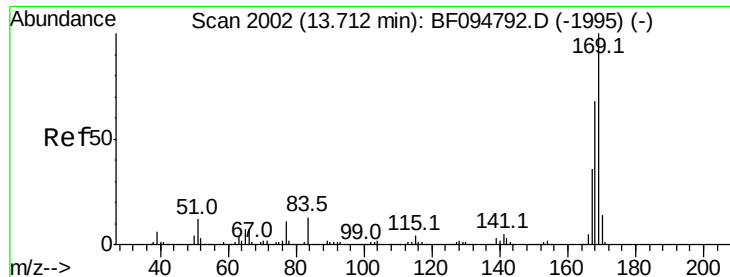
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 39.69 ng
 RT: 13.70 min Scan# 2000
 Delta R.T. 0.06 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	87719		
51	42.4		53.2	93.2#
105	43.5		45.8	85.8#





#65

n-Nitrosodiphenylamine

Concen: 42.24 ng

RT: 13.76 min Scan# 2010

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

PB98943BS

Tot Ion:169 Resp: 505378

Ion Ratio Lower Upper

169 100

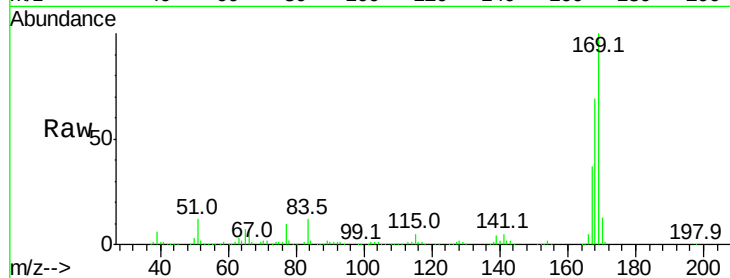
168 68.5 53.2 79.8

167 37.1 29.5 44.3

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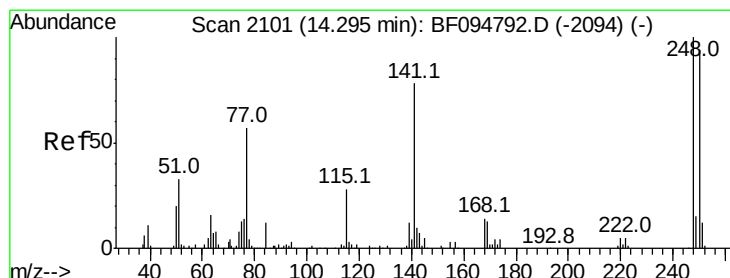
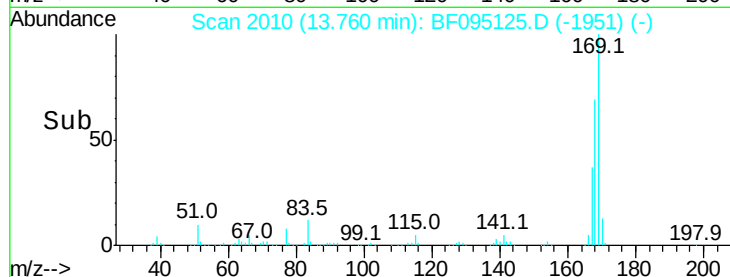
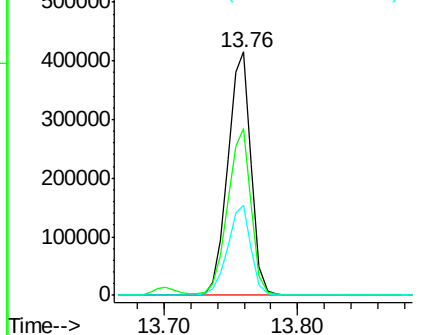
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.25 ng

RT: 14.34 min Scan# 2108

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

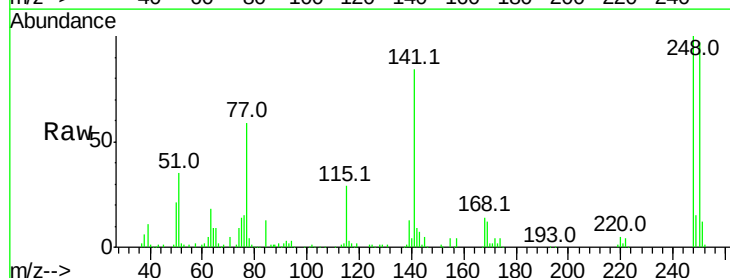
Tgt Ion:248 Resp: 150649

Ion Ratio Lower Upper

248 100

250 96.9 76.8 115.2

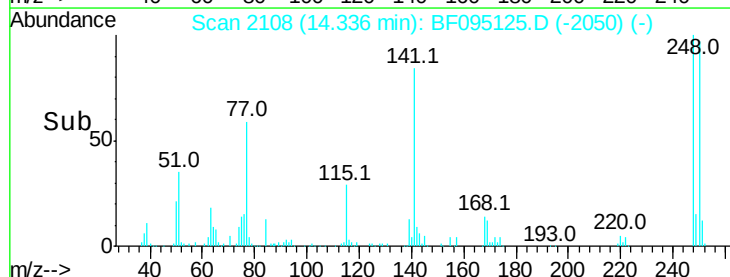
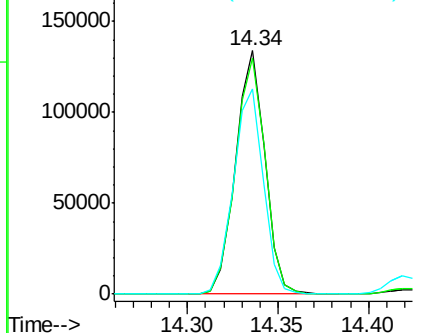
141 84.2 68.6 103.0

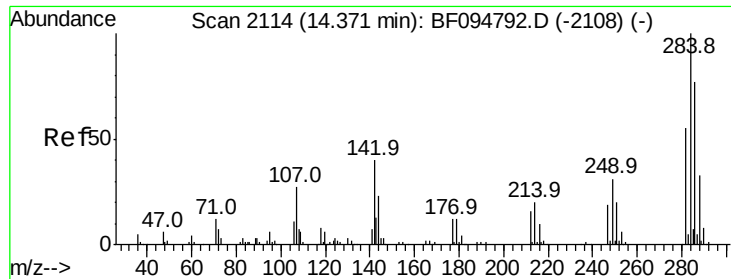


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 43.63 ng

RT: 14.42 min Scan# 2122

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

PB98943BS

Tot Ion:284 Resp: 155747
Ion Ratio Lower Upper

284 100

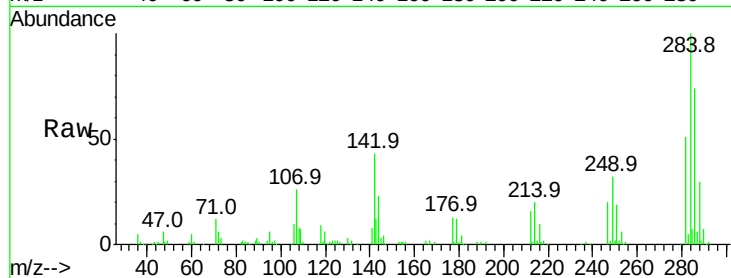
142 42.8 22.8 34.2#

249 31.5 24.0 36.0

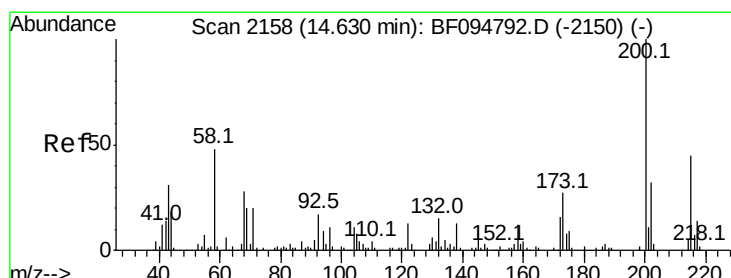
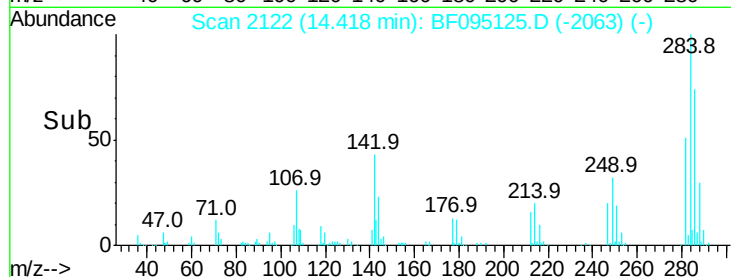
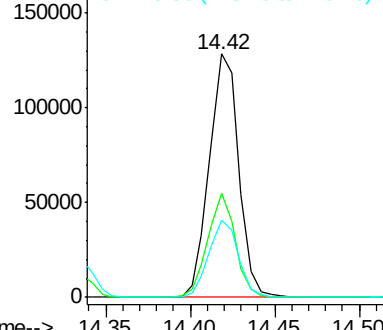
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 47.42 ng

RT: 14.68 min Scan# 2166

Delta R.T. 0.05 min

Lab File: BF095125.D

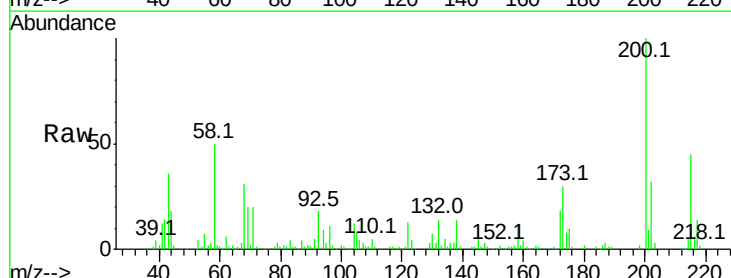
Acq: 15 May 2017 14:56

Tgt Ion:200 Resp: 160197
Ion Ratio Lower Upper

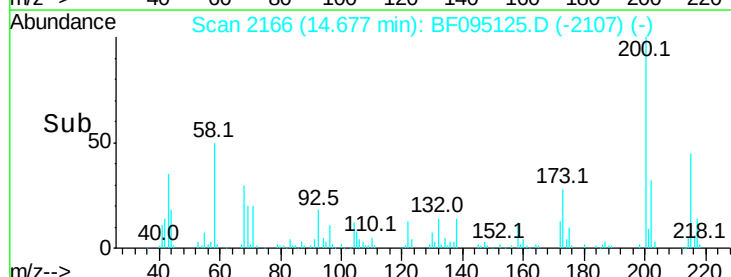
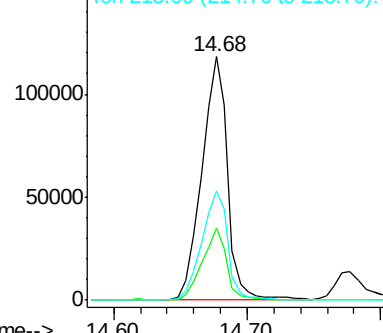
200 100

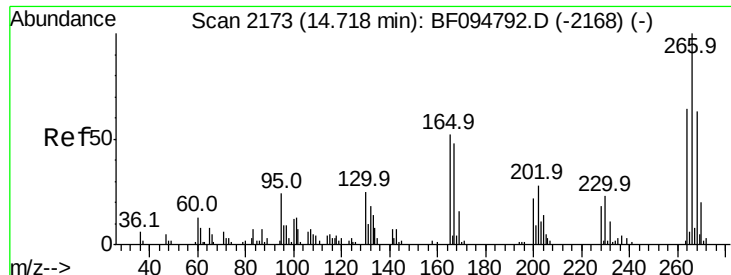
173 29.8 6.3 46.3

215 44.9 27.2 67.2



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





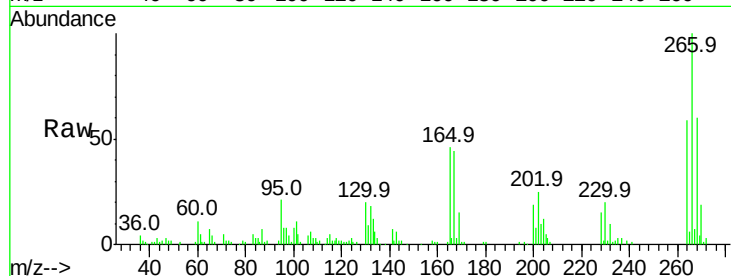
#69
 Pentachlorophenol
 Concen: 73.52 ng
 RT: 14.78 min Scan# 2183
 Delta R.T. 0.06 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleID :
 PB98943BS

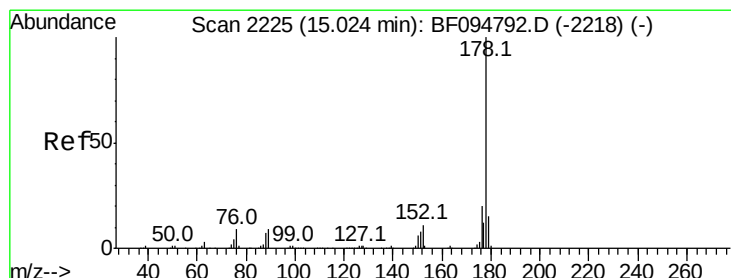
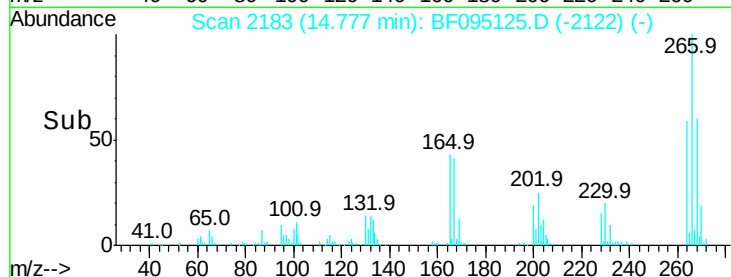
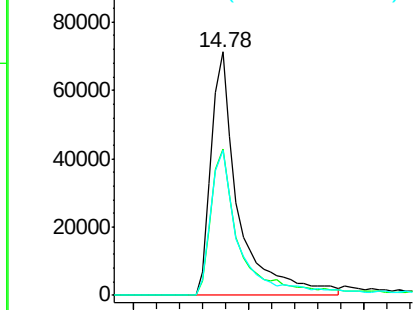
Tot Ion	Ratio	Resp	Lower	Upper
266	100	117825		
268	60.1		51.1	76.7
264	59.4		51.7	77.5

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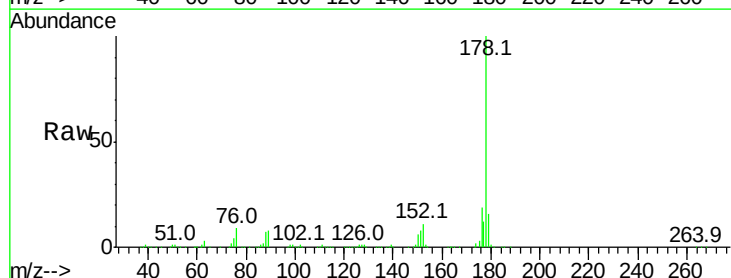


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

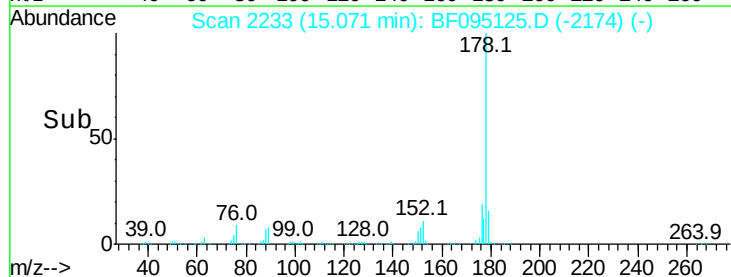
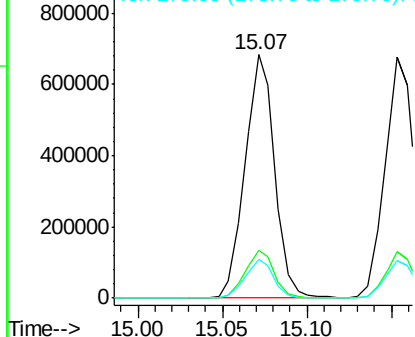


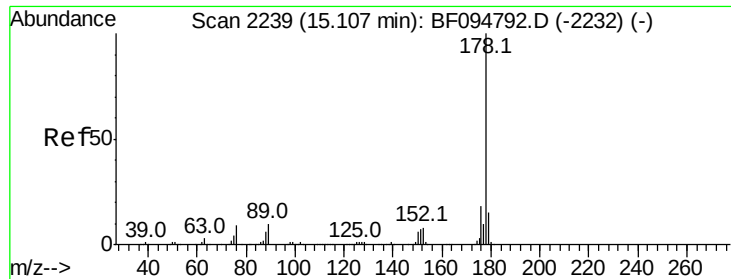
#70
 Phenanthrene
 Concen: 44.06 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	834603		
176	19.4		16.2	24.4
179	15.8		12.6	19.0



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





#71

Anthracene

Concen: 43.99 ng

RT: 15.15 min Scan# 2247

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

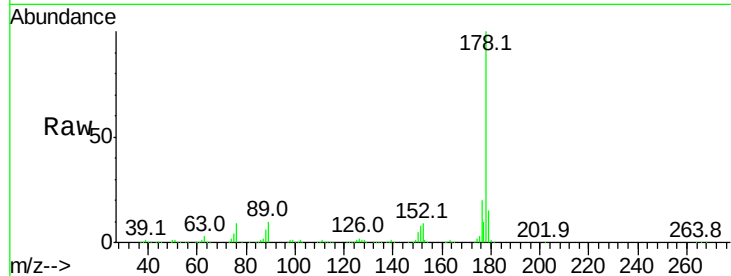
ClientSampleId :

PB98943BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	12.7	19.1

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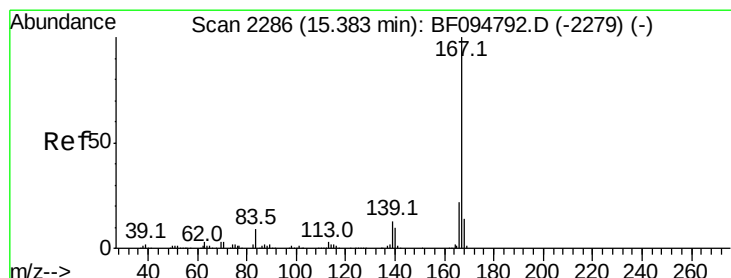
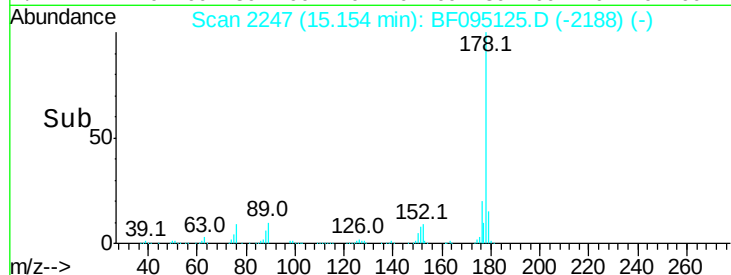
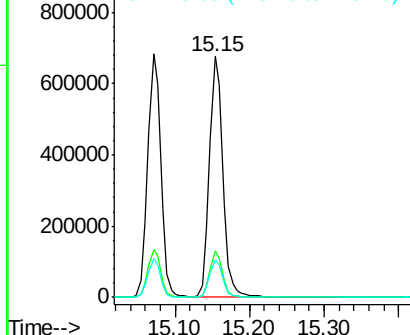
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.41 ng

RT: 15.43 min Scan# 2294

Delta R.T. 0.05 min

Lab File: BF095125.D

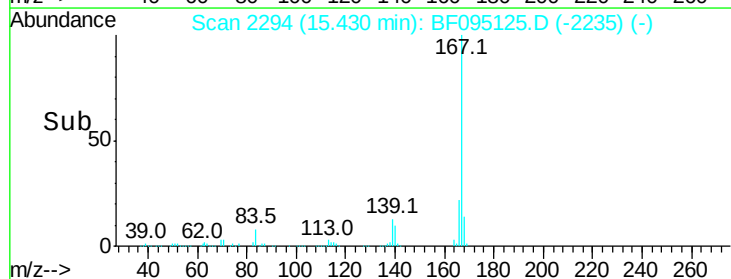
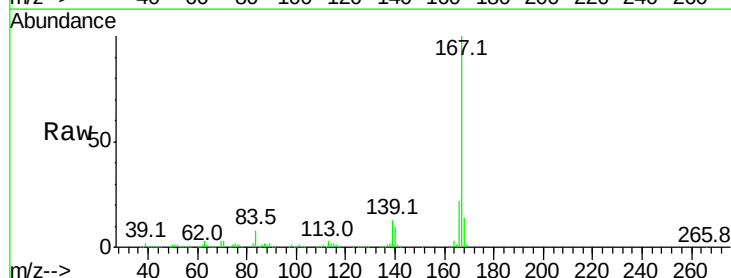
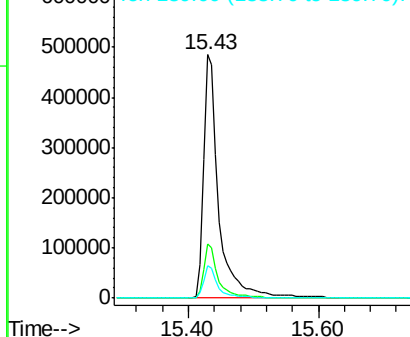
Acq: 15 May 2017 14:56

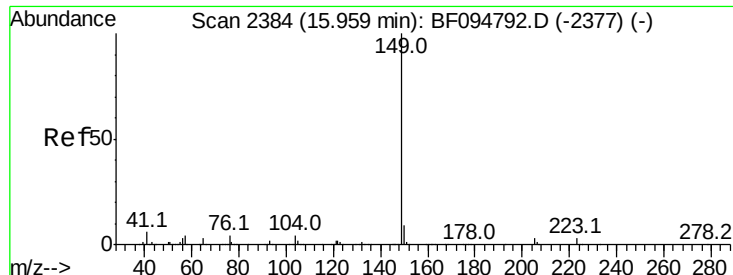
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	13.5	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.96 ng

RT: 15.99 min Scan# 2390

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

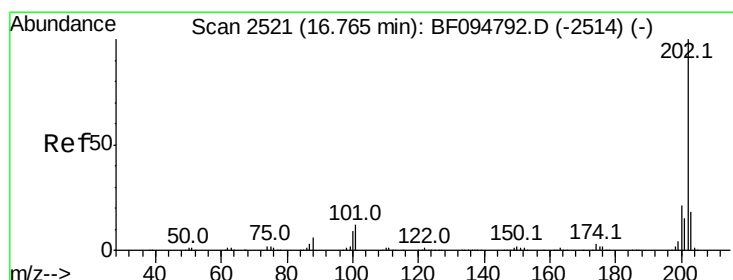
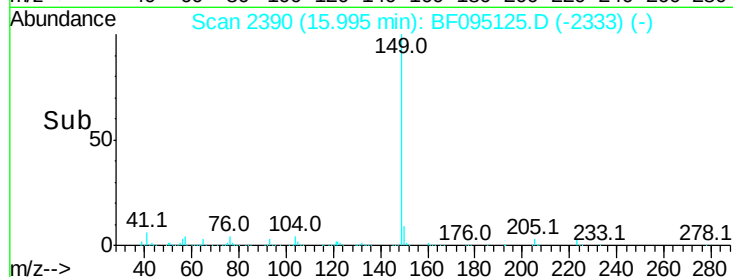
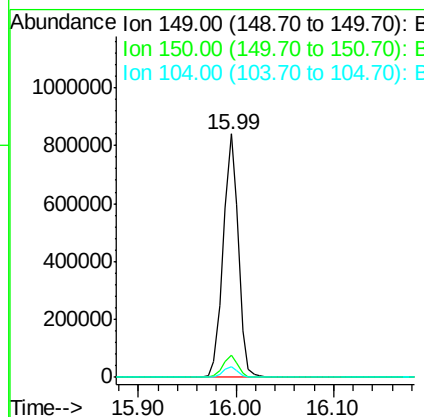
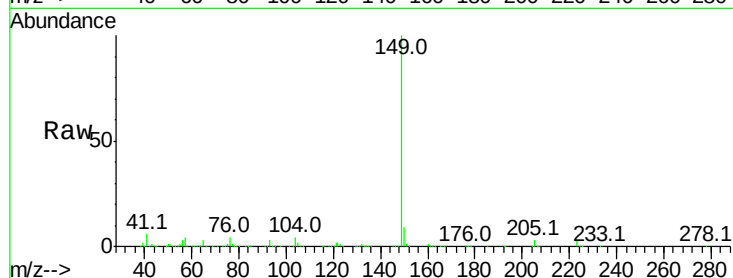
ClientSampled :

PB98943BS

Tot Ion:	149	Resp:	899230
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.7	11.5
104	4.3	4.0	6.0

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#74

Fluoranthene

Concen: 41.38 ng

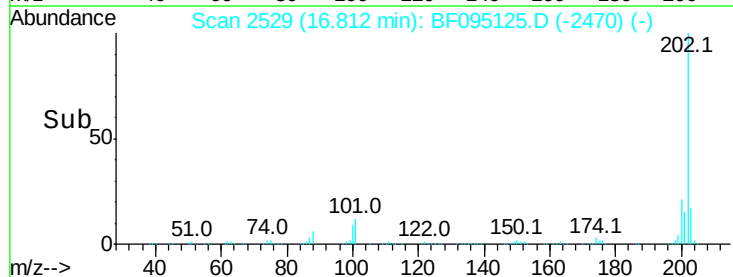
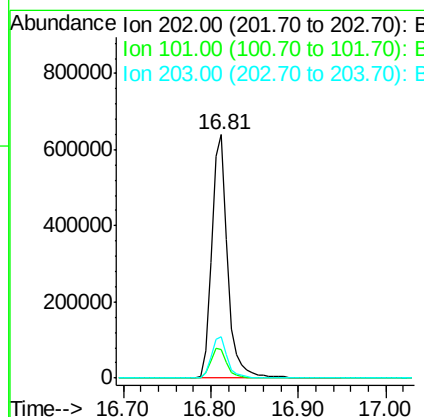
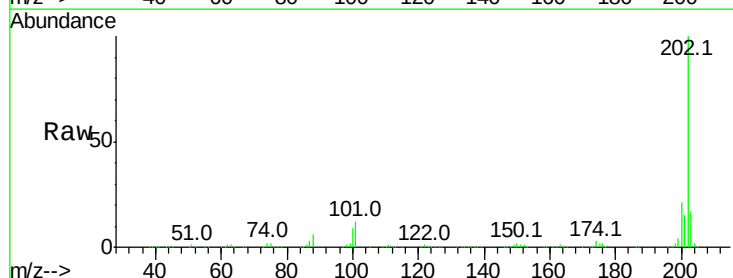
RT: 16.81 min Scan# 2529

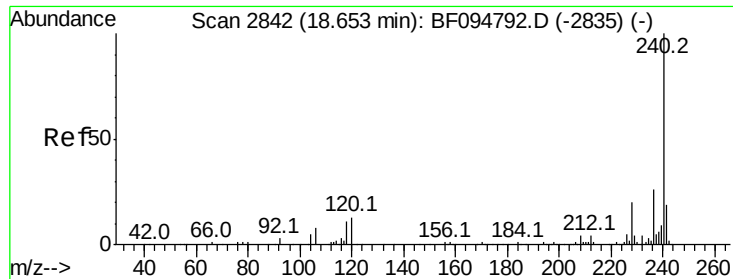
Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	202	Resp:	804007
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.2
203	17.2	0.0	38.1





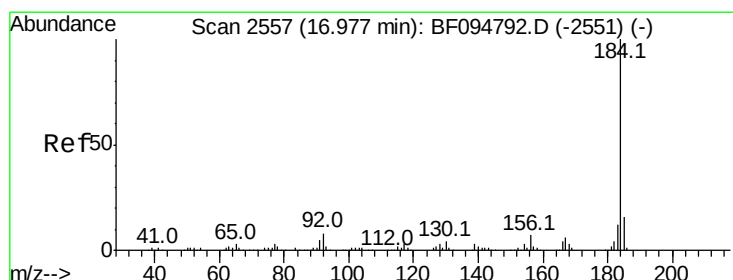
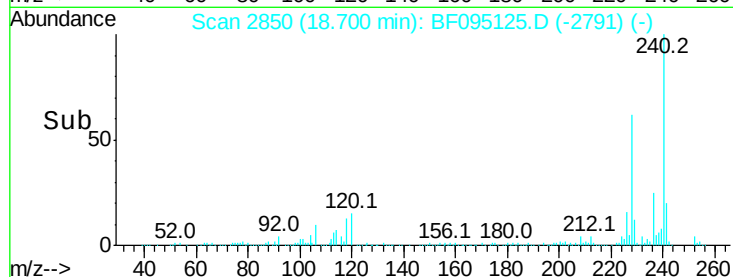
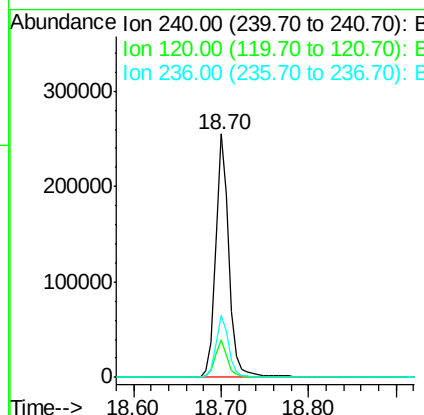
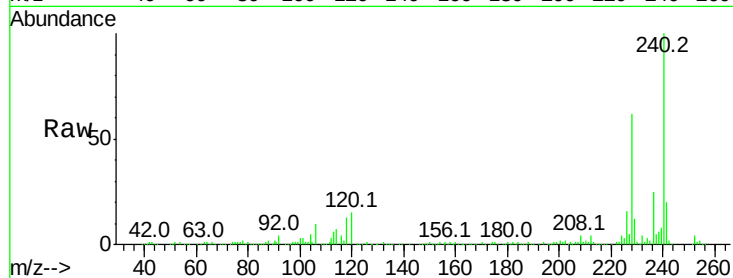
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.70 min Scan# 2850
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.5	20.5	30.7

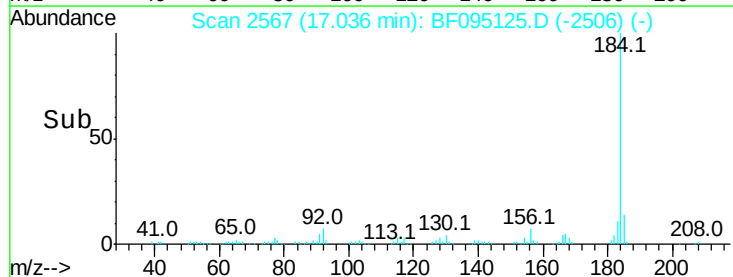
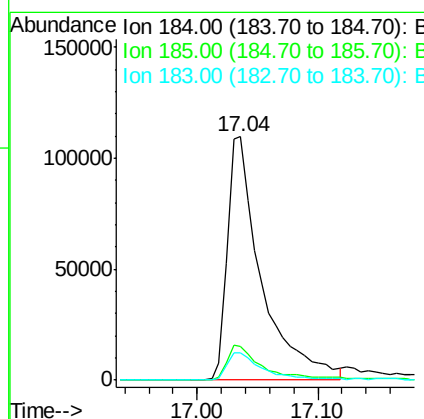
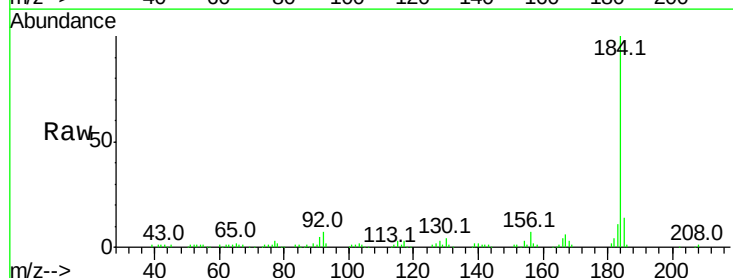
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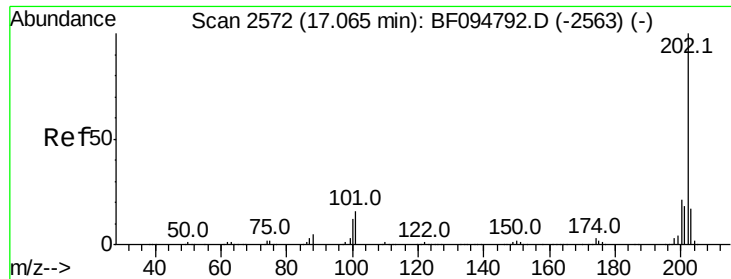
mohammad
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#76
Benzidine
Concen: 32.03 ng
RT: 17.04 min Scan# 2567
Delta R.T. 0.06 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.9	15.5	23.3#
183	11.3	9.8	14.6





#77

Pvrene

Concen: 40.93 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

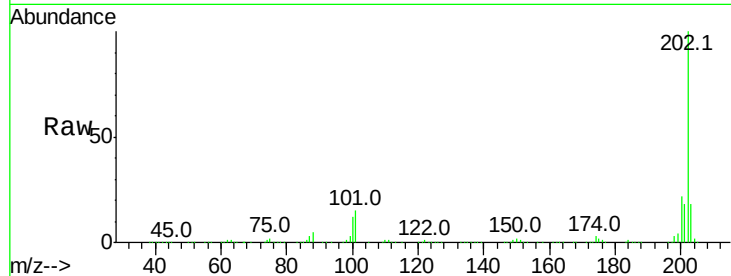
ClientSampleId :

PB98943BS

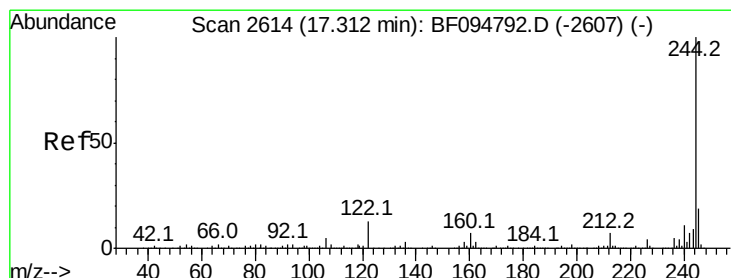
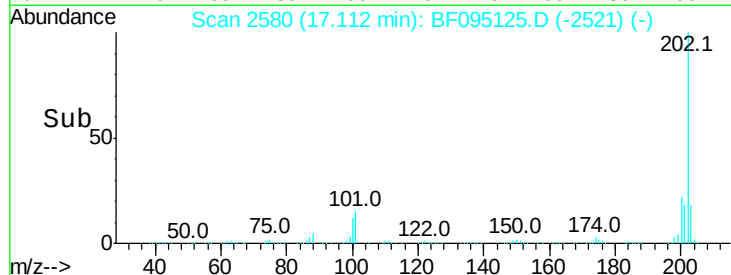
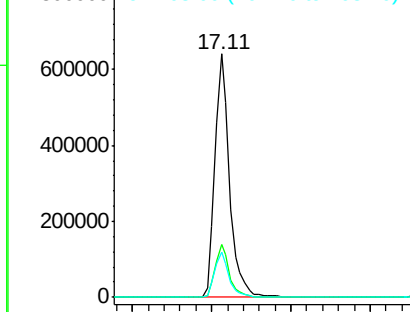
Tot Ion:	202	Resp:	824184
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	18.3	14.4	21.6

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



#78

Terphenyl-d14

Concen: 82.84 ng

RT: 17.35 min Scan# 2621

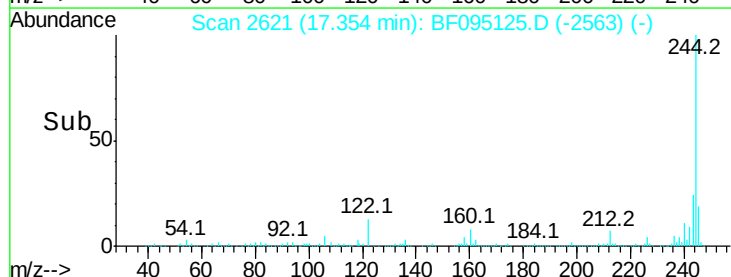
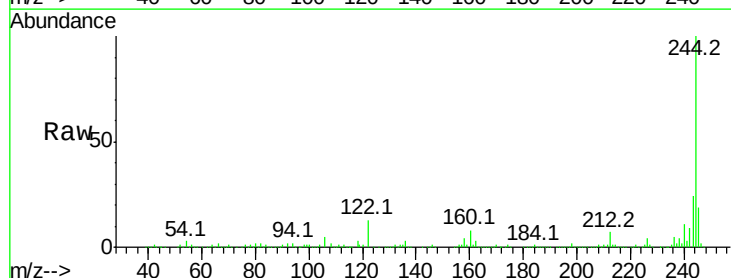
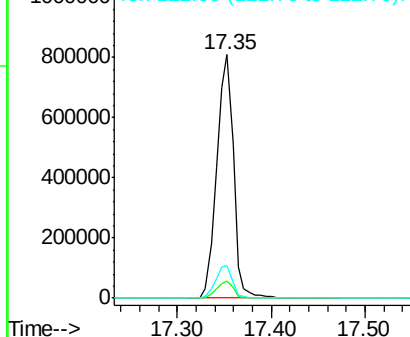
Delta R.T. 0.04 min

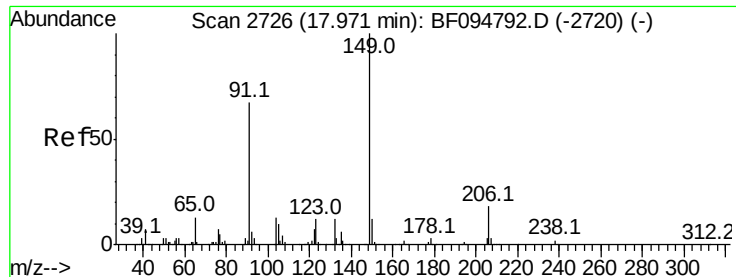
Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	244	Resp:	1012665
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.1	10.3	15.5

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





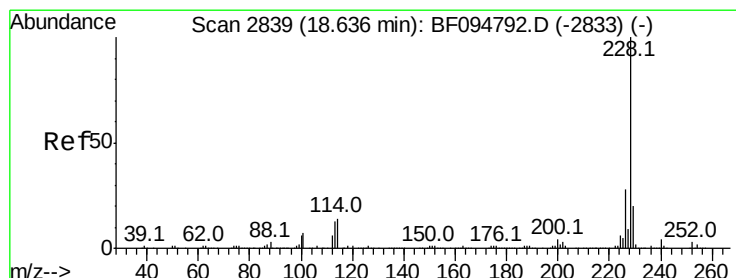
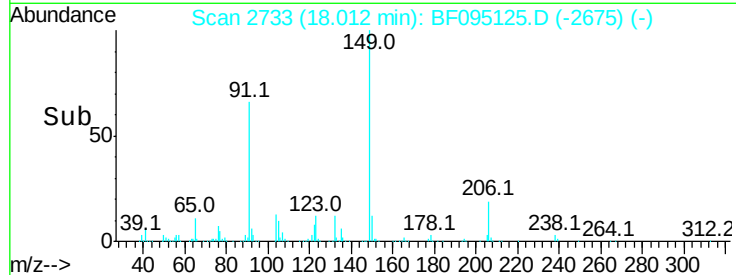
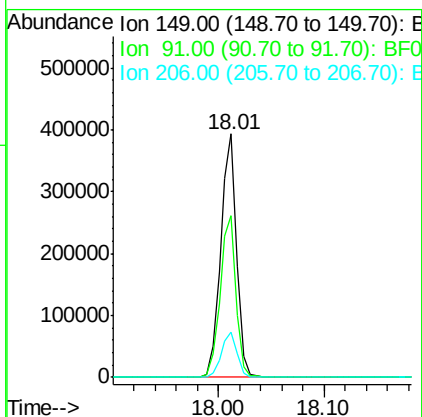
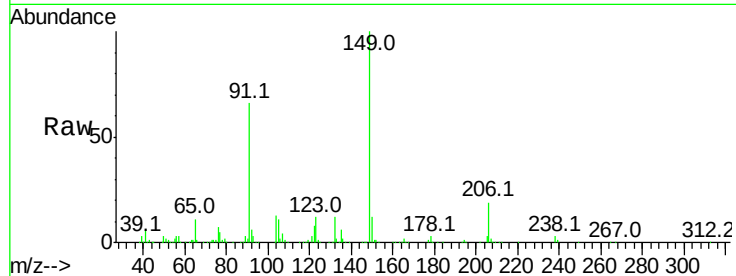
#79
Butylbenzylphthalate
Concen: 44.07 ng
RT: 18.01 min Scan# 2733
Delta R.T. 0.04 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	412738		
91	66.2	45.0	67.4	
206	18.8	17.0	25.6	

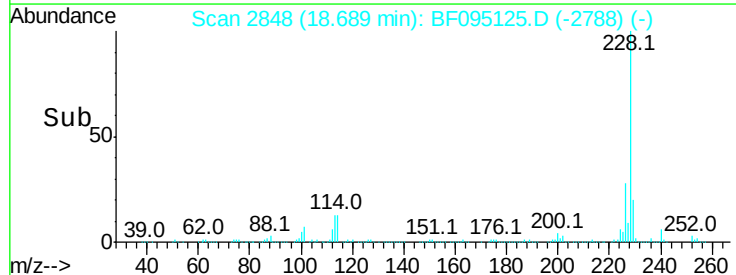
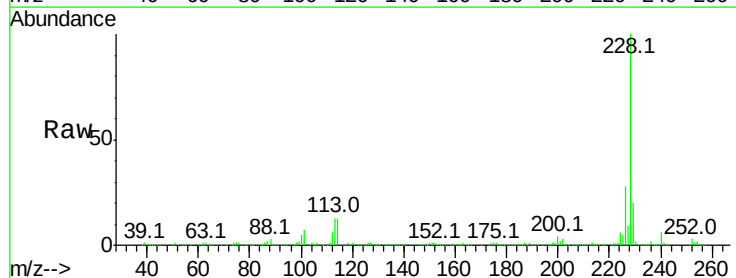
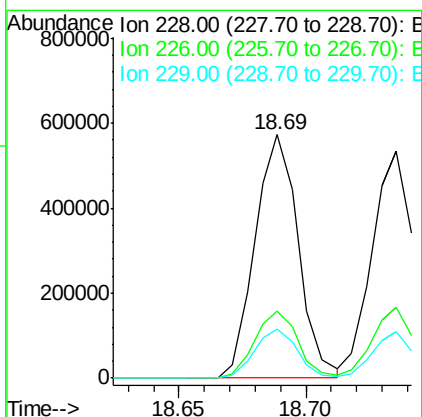
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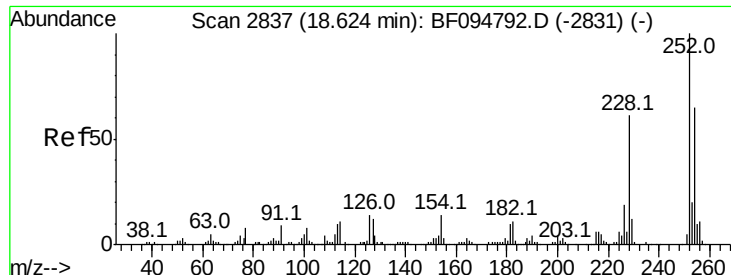
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#80
Benzo(a)anthracene
Concen: 43.51 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	681888		
226	27.8	22.6	33.8	
229	20.3	16.3	24.5	





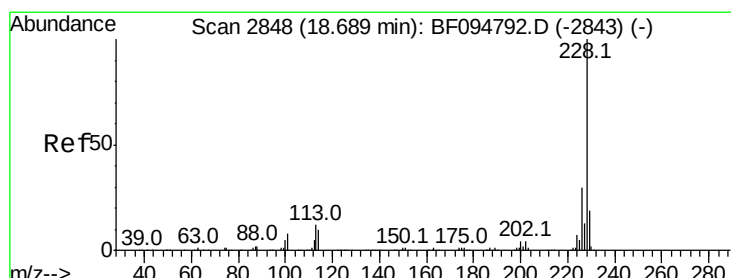
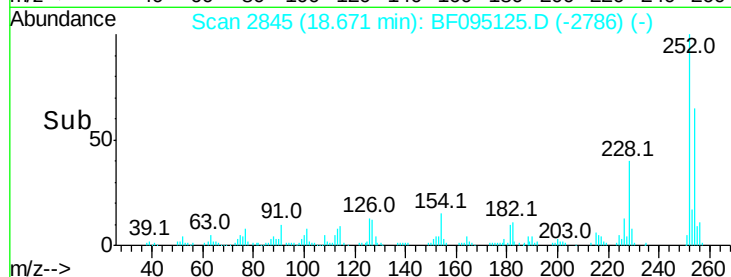
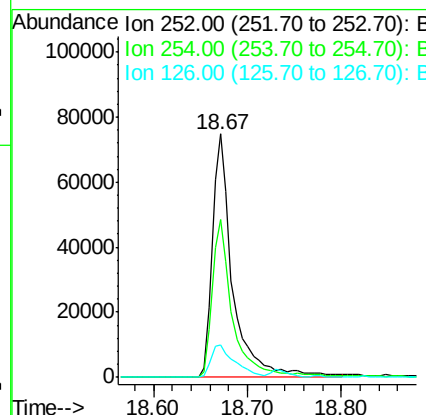
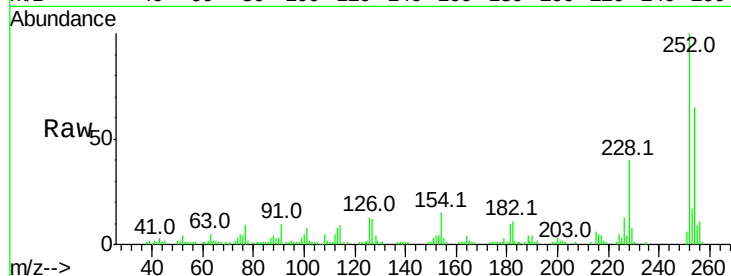
#81
 3,3'-Dichlorobenzidine
 Concen: 21.14 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleID :
 PB98943BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	13.5	15.8	23.8

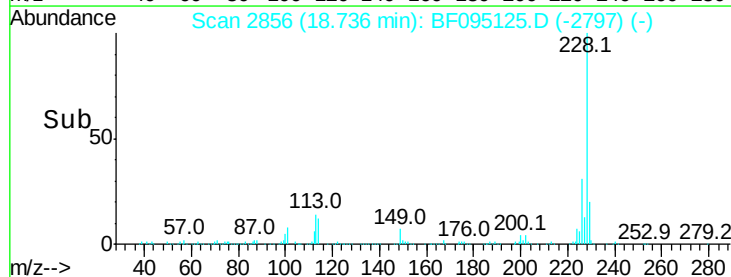
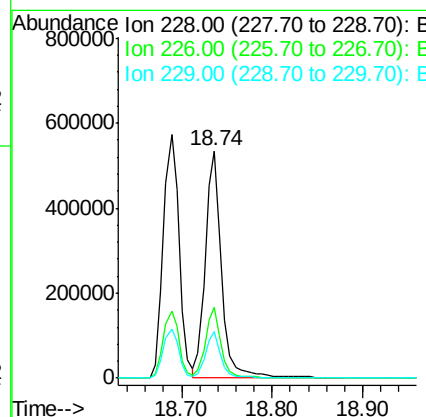
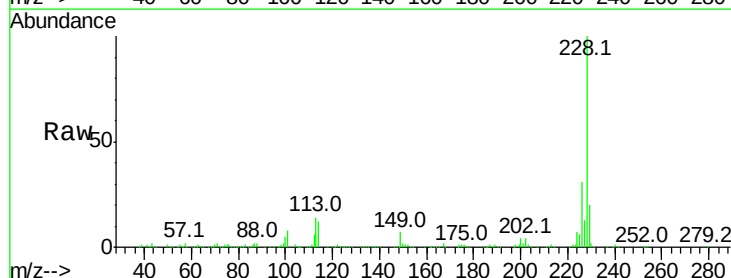
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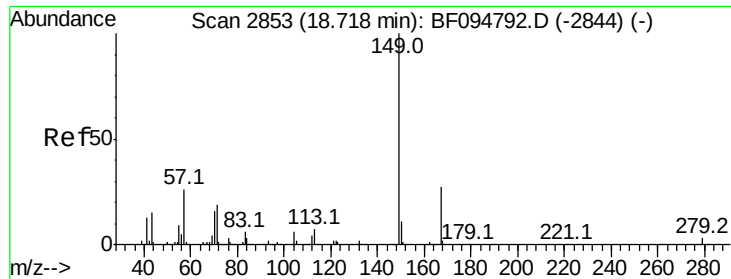
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#82
 Chrysene
 Concen: 44.62 ng
 RT: 18.74 min Scan# 2856
 Delta R.T. 0.05 min
 Lab File: BF095125.D
 Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	20.4	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.59 ng

RT: 18.75 min Scan# 2859

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

PB98943BS

Tot Ion:149 Resp: 608478

Ion Ratio Lower Upper

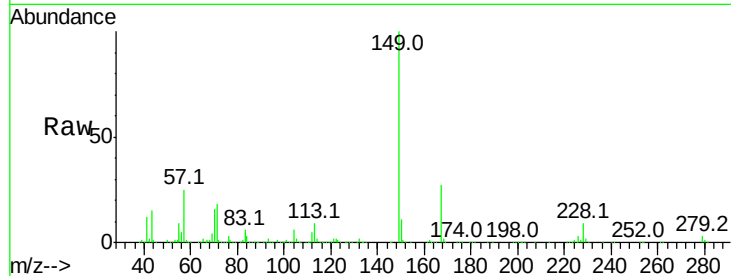
149 100

167 27.2 21.0 31.4

279 3.1 1.9 2.9#

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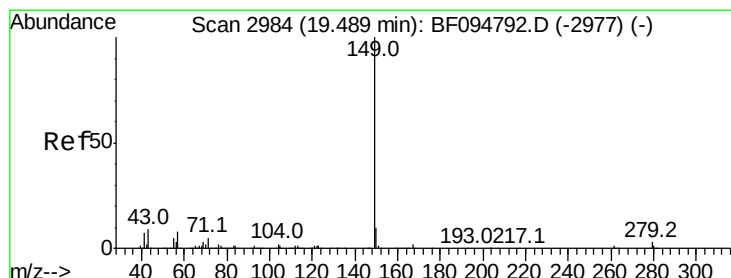
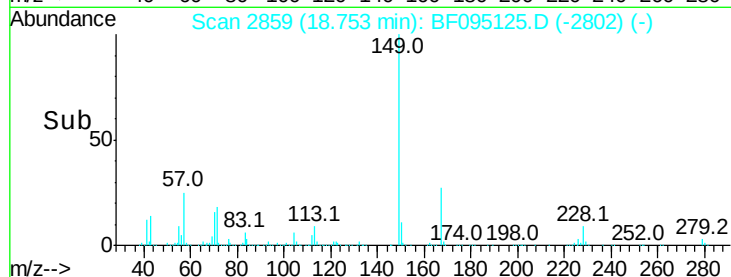
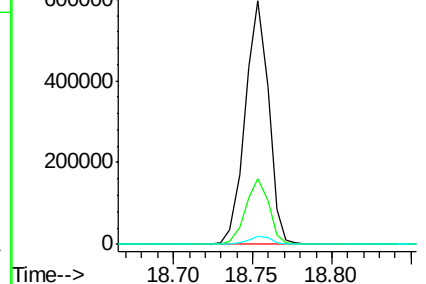
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.50 ng

RT: 19.52 min Scan# 2990

Delta R.T. 0.04 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

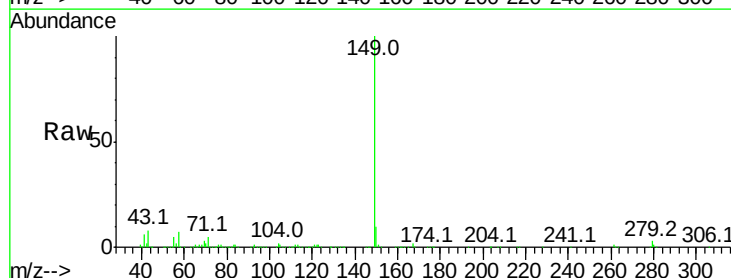
Tgt Ion:149 Resp: 1017492

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

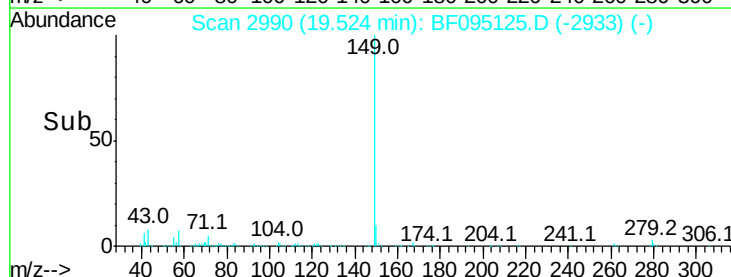
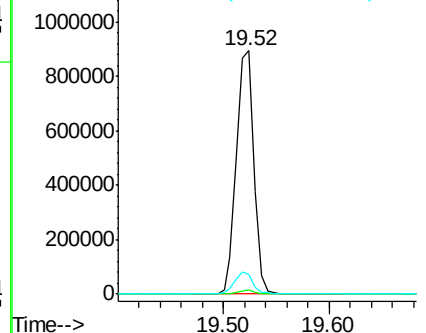
43 8.7 8.5 12.7

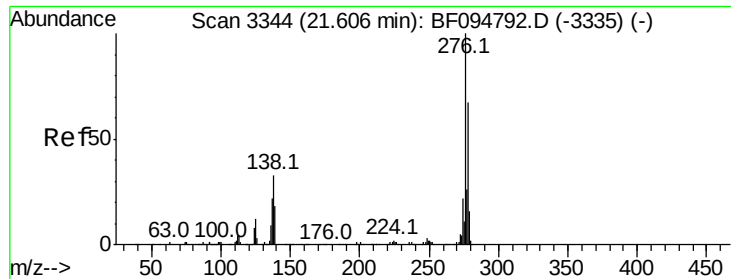


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 37.31 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.09 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

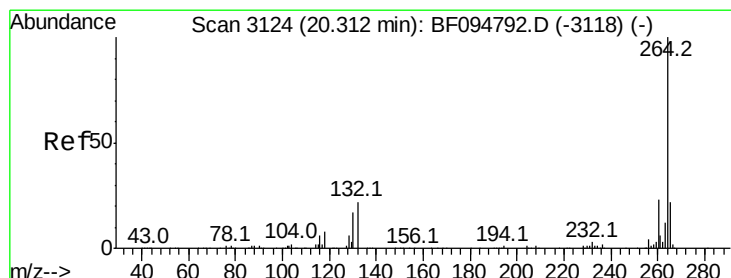
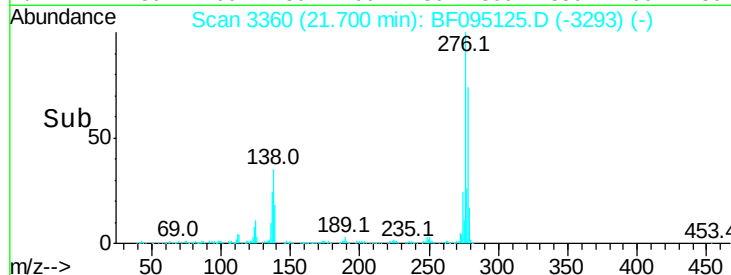
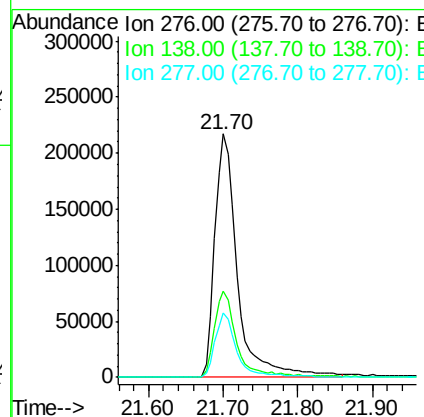
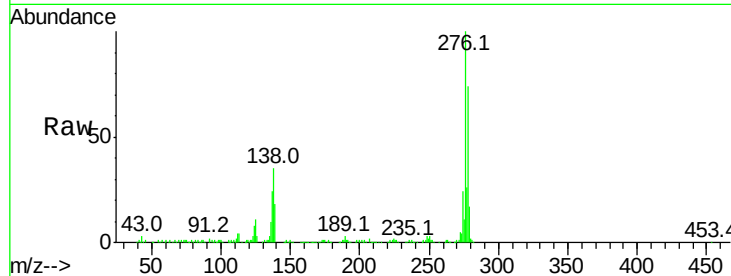
ClientSampled :

PB98943BS

Tot Ion:	276	Resp:	459095
Ion Ratio	Lower	Upper	
276	100		
138	34.8	27.8	41.6
277	25.2	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

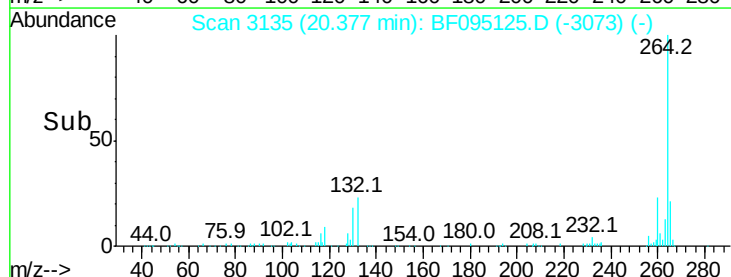
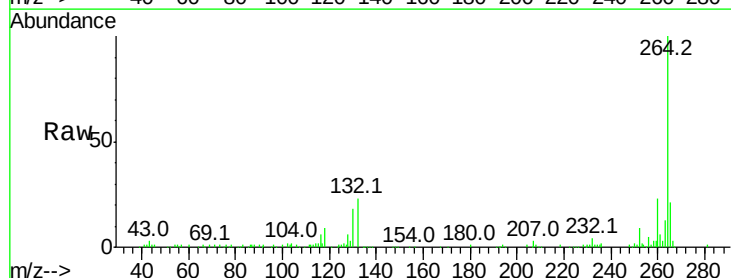
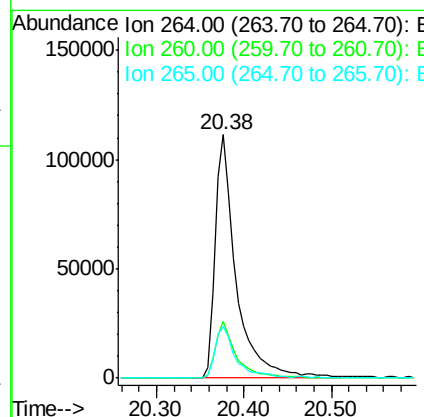
RT: 20.38 min Scan# 3135

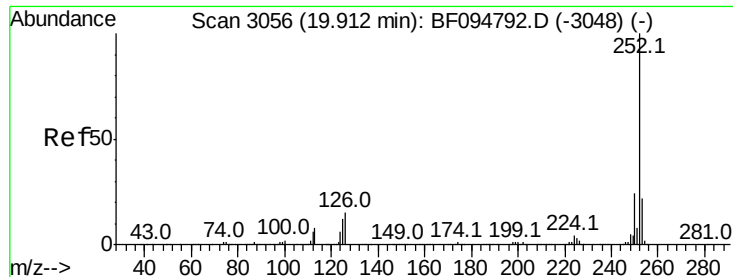
Delta R.T. 0.06 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	264	Resp:	185509
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.5	29.3
265	20.9	17.2	25.8





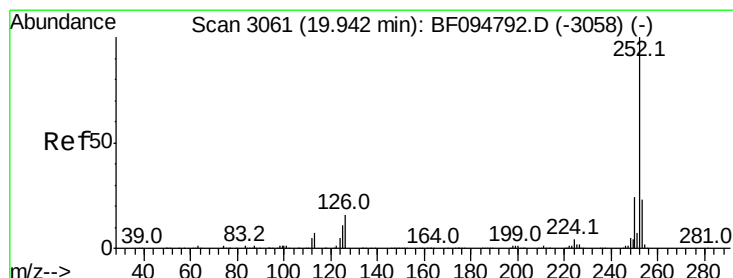
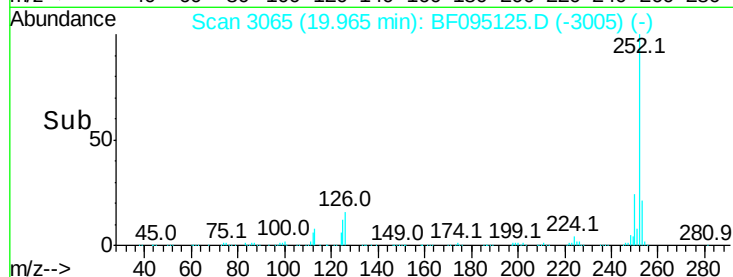
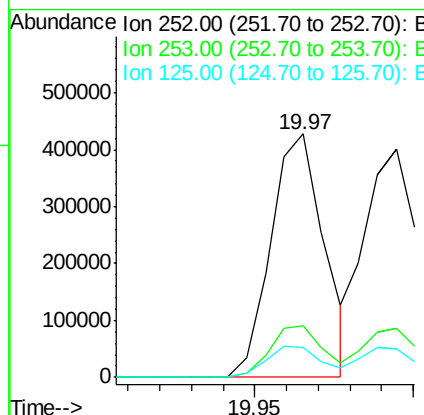
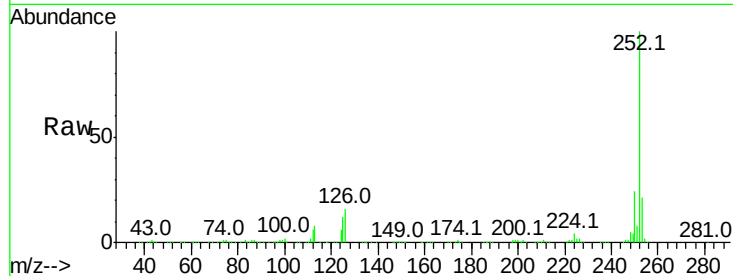
#87
Benzo(b)fluoranthene
Concen: 43.57 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	12.4	9.8	14.8

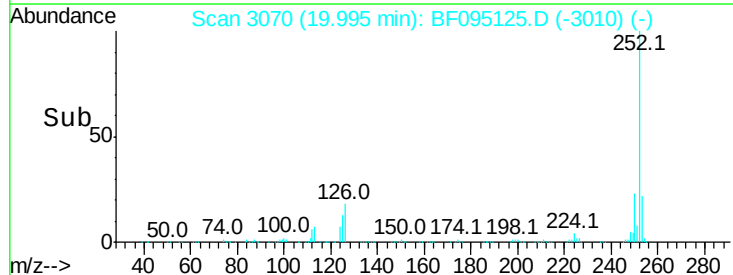
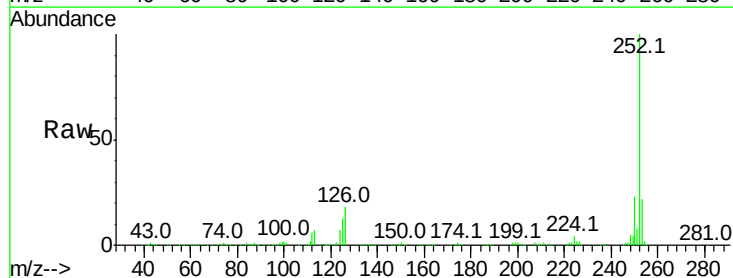
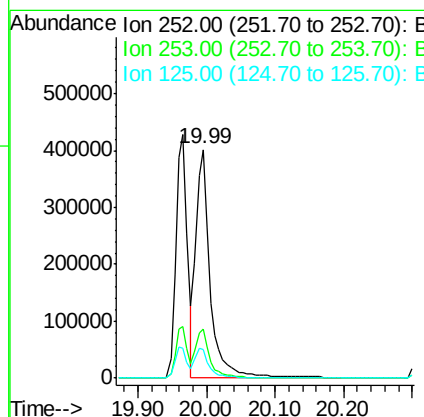
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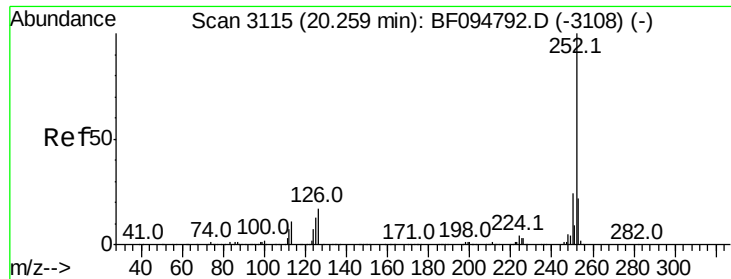
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#88
Benzo(k)fluoranthene
Concen: 52.28 ng
RT: 19.99 min Scan# 3070
Delta R.T. 0.05 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	12.6	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 44.97 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.06 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Instrument :

BNA_F

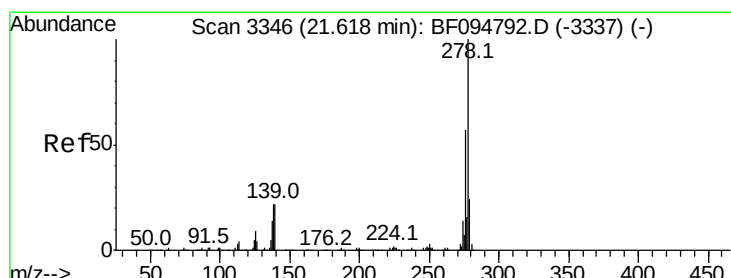
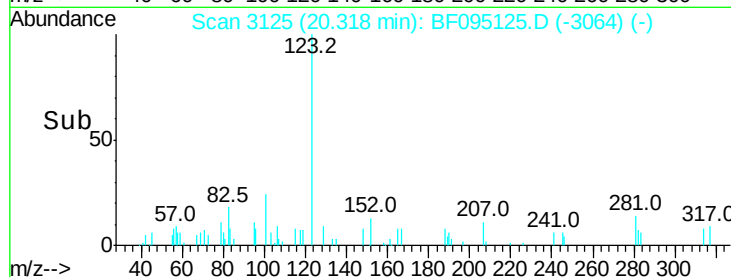
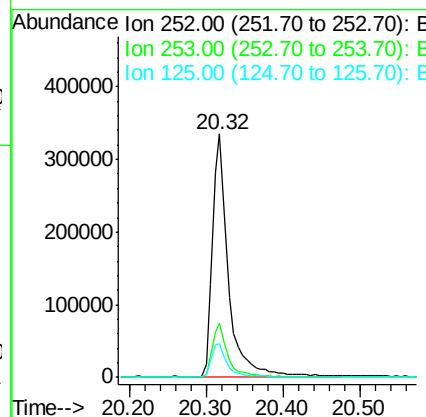
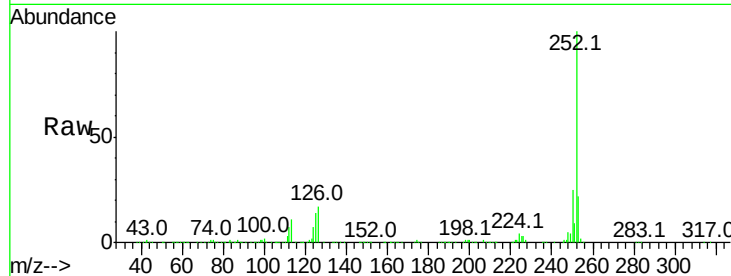
ClientSampleId :

PB98943BS

Tot Ion:	252	Resp:	475641
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	13.6	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 43.54 ng

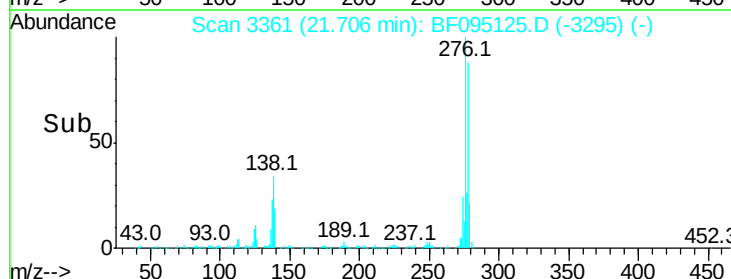
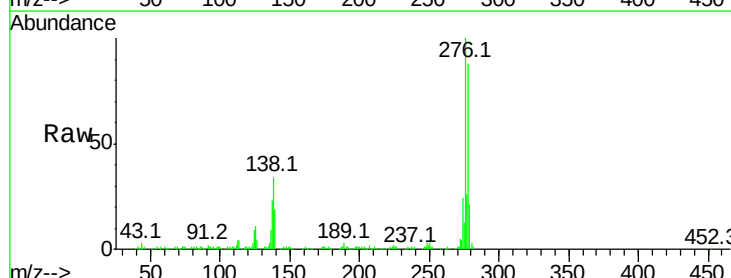
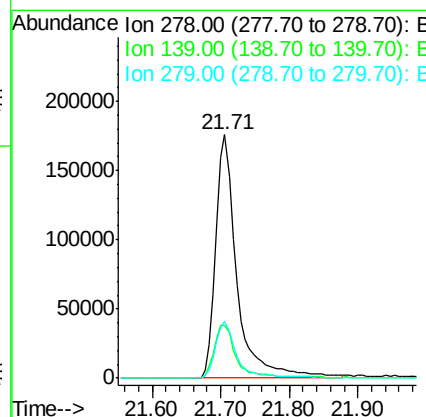
RT: 21.71 min Scan# 3361

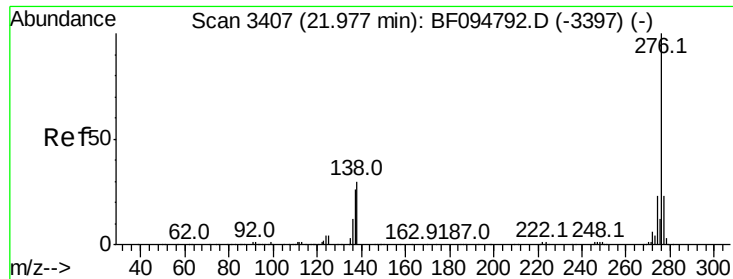
Delta R.T. 0.09 min

Lab File: BF095125.D

Acq: 15 May 2017 14:56

Tgt Ion:	278	Resp:	380343
Ion Ratio	Lower	Upper	
278	100		
139	21.7	16.6	24.8
279	23.2	19.3	28.9





#91
Benzo(a,h,i)perylene
Concen: 43.77 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.11 min
Lab File: BF095125.D
Acq: 15 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :
PB98943BS

Tot Ion:	276	Resp:	375184
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.6	28.0
138	31.6	25.4	38.0

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