

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094541.D
 Acq On : 20 Apr 2017 13:38
 Operator : SJ/MA
 Sample : I2744-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Manual Integrations
 APPROVED

mohammad

4/21/2017 11:35:59 AM

Quant Time: Apr 21 05:52:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	116491	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	475444	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	220032	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	415096	20.00	ng	0.00
75) Chrysene-d12	14.47	240	348168	20.00	ng	0.00
86) Perylene-d12	16.08	264	263479	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.32	112	818837	116.62	ng	0.02
7) Phenol-d6	5.40	99	1009862	122.00	ng	0.00
23) Nitrobenzene-d5	6.42	82	627445	81.49	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	220299	128.00	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1167627	78.08	ng	0.00
78) Terphenyl-d14	13.19	244	1126552	86.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	117188	28.70	ng	97
3) Pyridine	2.64	79	272449	30.53	ng	97
4) n-Nitrosodimethylamine	2.59	42	137637	37.27	ng	91
6) Aniline	5.40	93	266713	24.24	ng	# 81
8) 2-Chlorophenol	5.54	128	321547	40.24	ng	99
9) Benzaldehyde	5.27	77	62128	9.87	ng	98
10) Phenol	5.41	94	411670	40.48	ng	93
11) bis(2-Chloroethyl)ether	5.48	93	294147	39.60	ng	95
12) 1,3-Dichlorobenzene	5.70	146	341144	38.54	ng	99
13) 1,4-Dichlorobenzene	5.79	146	347662	39.04	ng	97
14) 1,2-Dichlorobenzene	5.96	146	323797	39.47	ng	96
15) Benzyl Alcohol	5.94	79	248358	40.45	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.10	45	393933	40.45	ng	82
17) 2-Methylphenol	6.09	107	255095	40.54	ng	94
18) Hexachloroethane	6.35	117	117993	38.65	ng	# 85
19) n-Nitroso-di-n-propylamine	6.25	70	228949	41.74	ng	97
20) 3+4-Methylphenols	6.27	107	356535	41.70	ng	# 62
22) Acetophenone	6.24	105	456987	39.53	ng	# 85
24) Nitrobenzene	6.44	77	325798	40.18	ng	92
25) Isophorone	6.72	82	583686	40.89	ng	97
26) 2-Nitrophenol	6.81	139	177792	40.81	ng	98
27) 2,4-Dimethylphenol	6.89	122	282153	39.88	ng	98
28) bis(2-Chloroethoxy)methane	6.99	93	375738	40.70	ng	100
29) 2,4-Dichlorophenol	7.11	162	273821	41.60	ng	98
30) 1,2,4-Trichlorobenzene	7.20	180	271266	39.86	ng	99
31) Naphthalene	7.29	128	912211	39.91	ng	99
33) 4-Chloroaniline	7.36	127	74102	7.79	ng	96
34) Hexachlorobutadiene	7.44	225	134743	39.71	ng	98
35) Caprolactam	7.82	113	78517m	37.97	ng	
36) 4-Chloro-3-methylphenol	7.99	107	282930	41.01	ng	89
37) 2-Methylnaphthalene	8.13	142	638075	40.80	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	242932	38.77	ng	99
40) Hexachlorocyclopentadiene	8.32	237	223866	88.32	ng	98
42) 2,4,6-Trichlorophenol	8.49	196	178350	40.53	ng	95

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Manual Integrations
 APPROVED

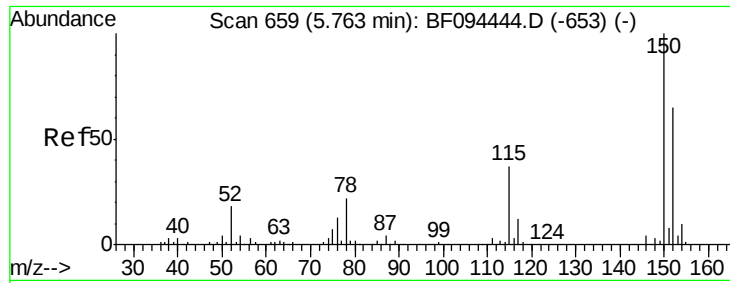
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.54	196	183400	40.59	nq	97
45) 1,1'-Biphenyl	8.70	154	708776	39.43	nq	98
46) 2-Chloronaphthalene	8.72	162	574190	40.17	nq	94
47) 2-Nitroaniline	8.85	65	171615	41.73	nq	# 84
48) Acenaphthylene	9.22	152	875806	39.30	nq	99
49) Dimethylphthalate	9.10	163	801616	48.89	nq	98
50) 2,6-Dinitrotoluene	9.16	165	157163	42.70	nq	# 89
51) Acenaphthene	9.44	154	529971	39.71	nq	98
52) 3-Nitroaniline	9.36	138	90067	21.15	nq	89
53) 2,4-Dinitrophenol	9.50	184	56493	32.01	nq	# 68
54) Dibenzofuran	9.65	168	790215	40.74	nq	98
55) 4-Nitrophenol	9.62	139	238856	79.40	nq	# 74
56) 2,4-Dinitrotoluene	9.66	165	199176	44.10	nq	# 91
57) Fluorene	10.07	166	624974	41.37	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.81	232	138398	42.73	nq	98
59) Diethylphthalate	9.96	149	667712	43.16	nq	99
60) 4-Chlorophenyl-phenylether	10.08	204	269532	42.87	nq	93
61) 4-Nitroaniline	10.12	138	159119	36.76	nq	97
62) Azobenzene	10.27	77	636655	42.38	nq	96
64) 4,6-Dinitro-2-methylphenol	10.16	198	89382	32.86	nq	# 75
65) n-Nitrosodiphenylamine	10.23	169	570796	39.54	nq	97
66) 4-Bromophenyl-phenylether	10.67	248	166483	40.39	nq	96
67) Hexachlorobenzene	10.75	284	166216	40.02	nq	# 91
68) Atrazine	10.91	200	176163	40.79	nq	97
69) Pentachlorophenol	11.00	266	139967	84.86	nq	98
70) Phenanthrene	11.25	178	925455	39.59	nq	99
71) Anthracene	11.31	178	966377	39.97	nq	99
72) Carbazole	11.52	167	907088	39.97	nq	98
73) Di-n-butylphthalate	11.97	149	1129872	45.22	nq	99
74) Fluoranthene	12.71	202	994711	41.06	nq	99
76) Benzidine	12.88	184	188921	13.40	nq	# 92
77) Pyrene	12.98	202	1020466	41.95	nq	99
79) Butylbenzylphthalate	13.80	149	493045	46.25	nq	# 85
80) Benzo(a)anthracene	14.45	228	823735	40.70	nq	98
81) 3,3'-Dichlorobenzidine	14.43	252	176786	24.68	nq	# 95
82) Chrysene	14.49	228	754465	40.79	nq	99
83) Bis(2-ethylhexyl)phthalate	14.52	149	721853	50.43	nq	# 99
84) Di-n-octyl phthalate	15.27	149	1060590	44.17	nq	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	628391	35.71	nq	100
87) Benzo(b)fluoranthene	15.69	252	654673	40.62	nq	99
88) Benzo(k)fluoranthene	15.72	252	591916	38.81	nq	# 94
89) Benzo(a)pyrene	16.03	252	609749	40.66	nq	99
90) Dibenzo(a,h)anthracene	17.38	278	515702	41.42	nq	99
91) Benzo(g,h,i)perylene	17.74	276	538676	42.49	nq	98

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

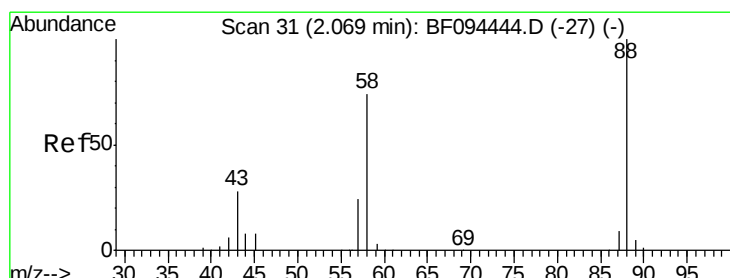
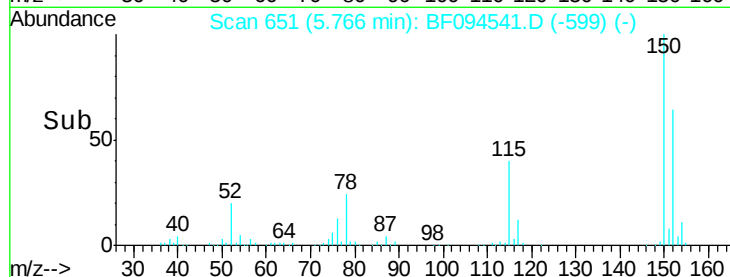
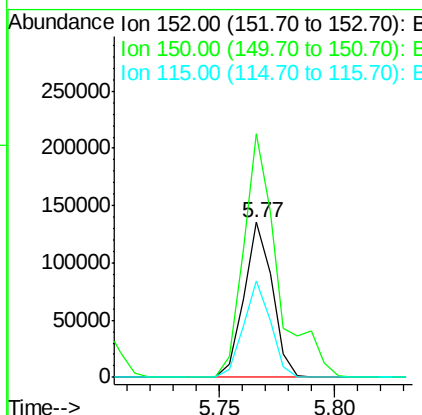
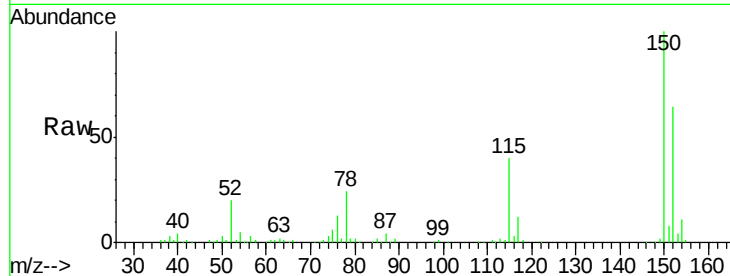
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	62.1	52.2	78.2

Manual Integrations
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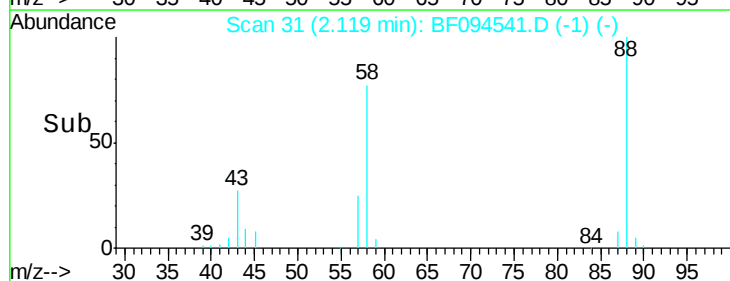
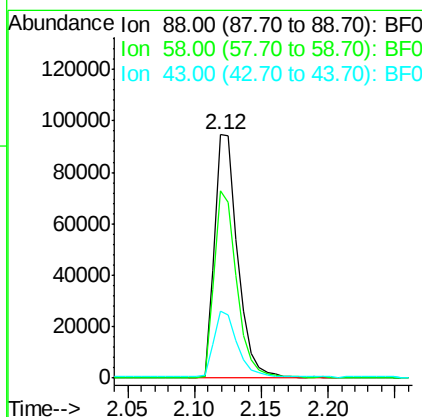
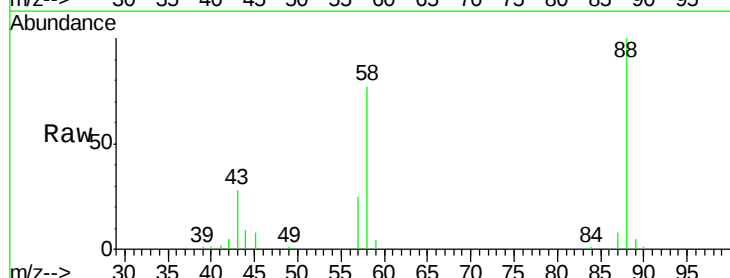
4/21/2017 11:35:59 AM

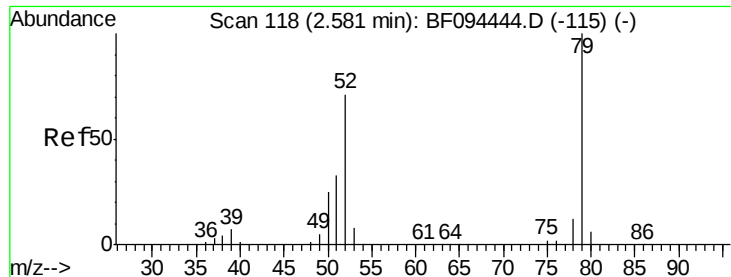


#2

1,4-Dioxane
Concen: 28.70 ng
RT: 2.12 min Scan# 31
Delta R.T. 0.05 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.7	61.4	92.0
43	26.7	23.4	35.0





#3

Pvridine

Concen: 30.53 ng

RT: 2.64 min Scan# 120

Delta R.T. 0.06 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MS

Tot Ion: 79 Resp: 272449

Ion Ratio Lower Upper

79 100

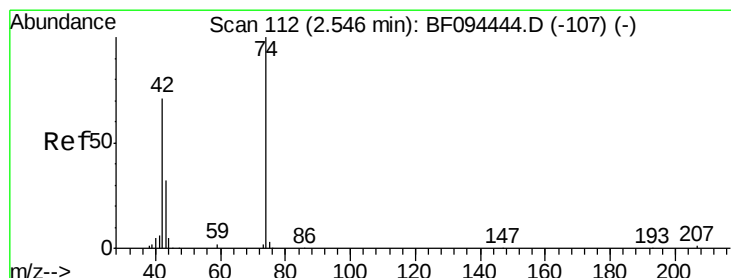
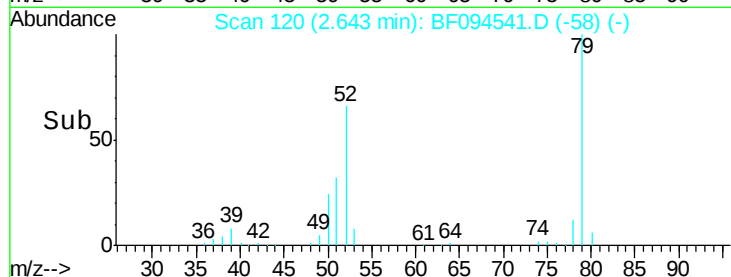
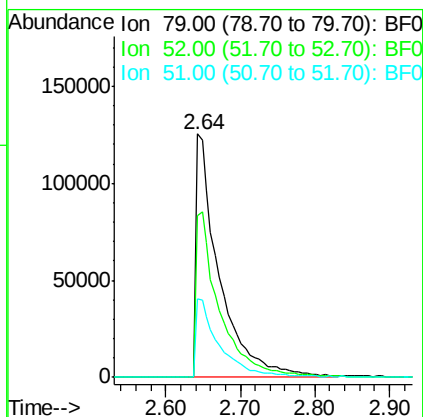
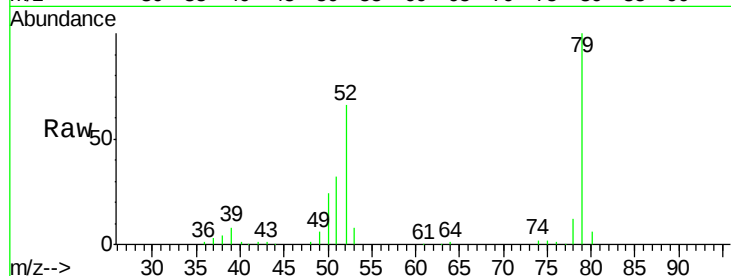
52 66.3 54.8 82.2

51 32.5 27.0 40.4

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#4

n-Nitrosodimethylamine

Concen: 37.27 ng

RT: 2.59 min Scan# 111

Delta R.T. 0.04 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

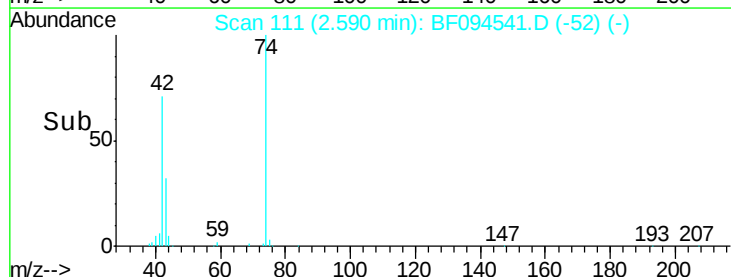
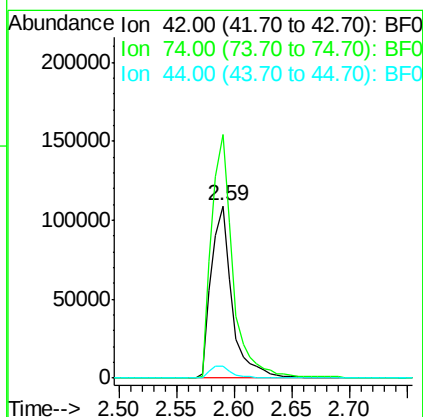
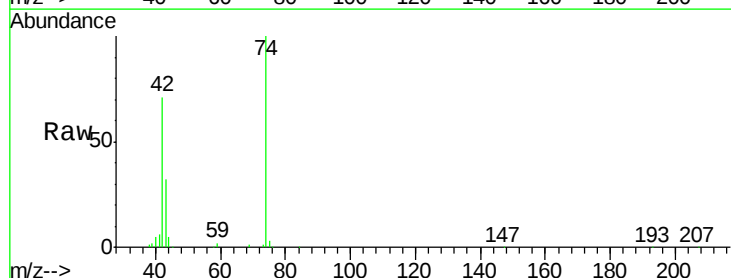
Tgt Ion: 42 Resp: 137637

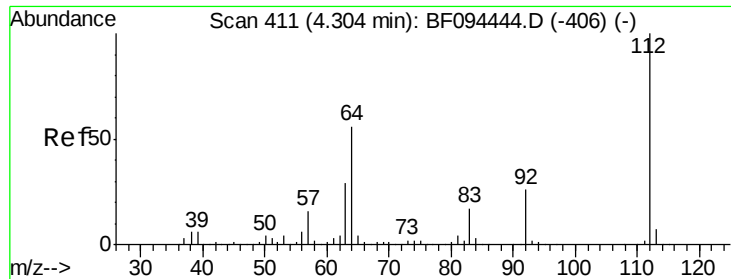
Ion Ratio Lower Upper

42 100

74 141.3 103.9 155.9

44 6.8 5.7 8.5





#5

2-Fluorophenol

Concen: 116.62 ng

RT: 4.32 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

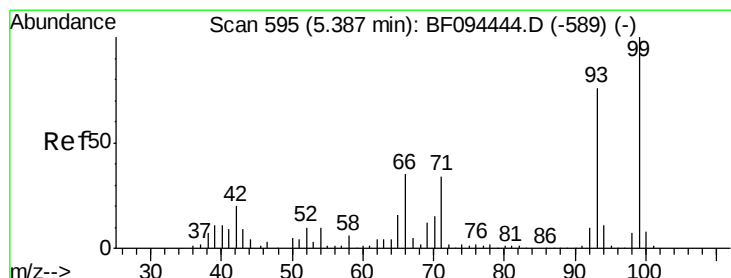
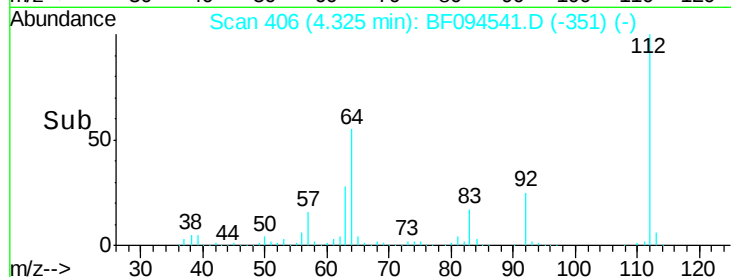
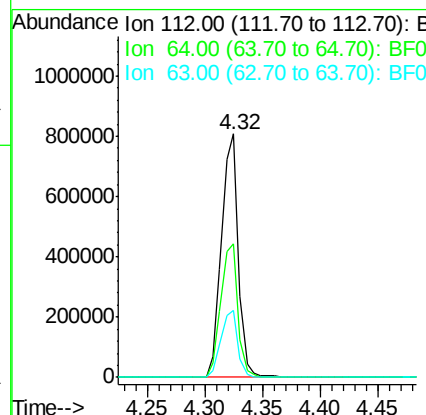
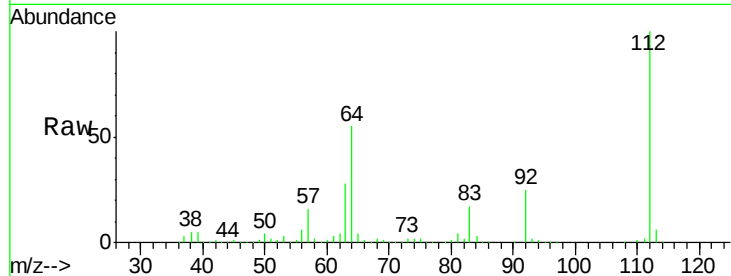
SB-9(18-20)20170418MS

Tot Ion:	112	Resp:	818837
Ion Ratio	Lower	Upper	
112	100		
64	55.0	46.0	69.0
63	27.5	23.4	35.0

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#6

Aniline

Concen: 24.24 ng

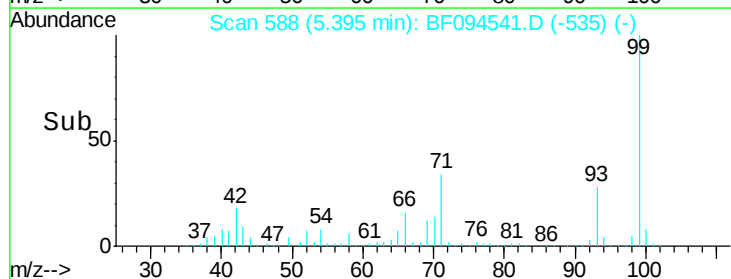
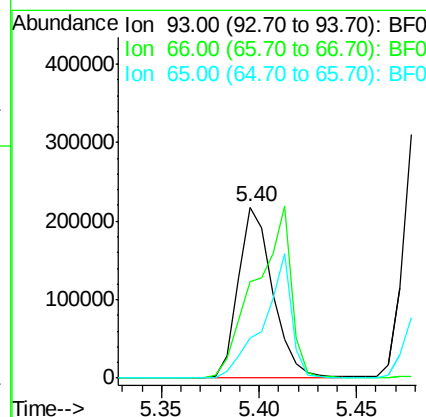
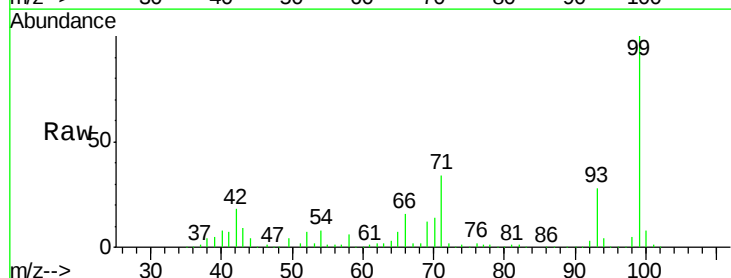
RT: 5.40 min Scan# 588

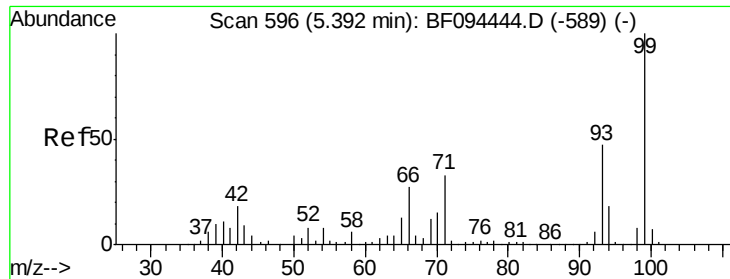
Delta R.T. 0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	93	Resp:	266713
Ion Ratio	Lower	Upper	
93	100		
66	56.2	32.9	49.3#
65	23.6	16.0	24.0





#7

Phenol-d6

Concen: 122.00 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MS

Tot Ion: 99 Resp: 1009862

Ion Ratio Lower Upper

99 100

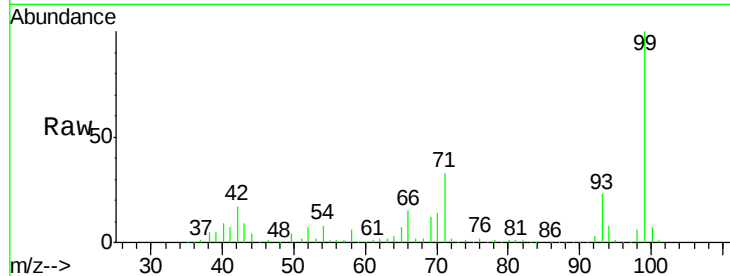
42 17.3 13.5 20.3

71 33.5 24.5 36.7

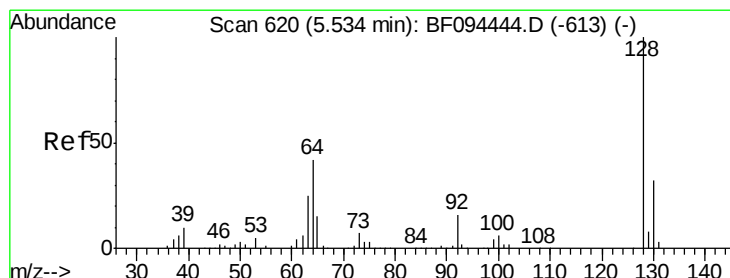
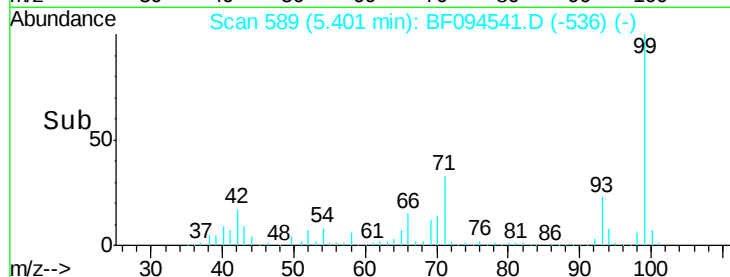
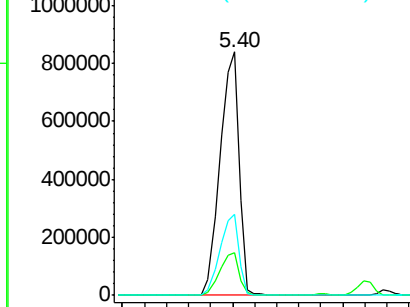
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.24 ng

RT: 5.54 min Scan# 612

Delta R.T. 0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

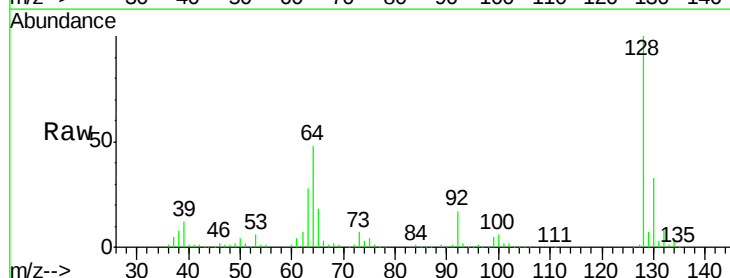
Tgt Ion: 128 Resp: 321547

Ion Ratio Lower Upper

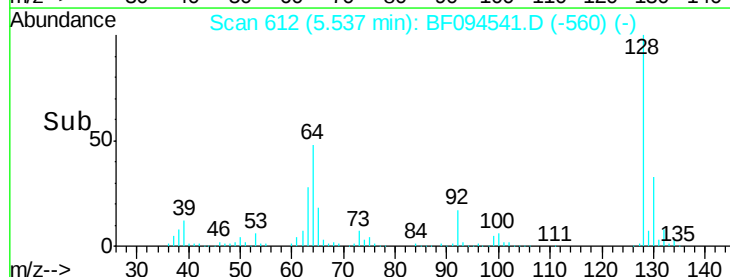
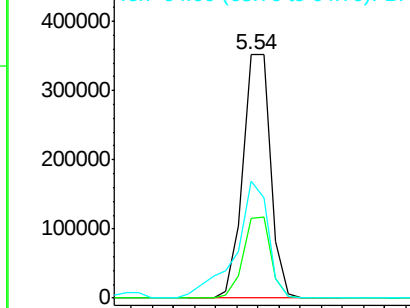
128 100

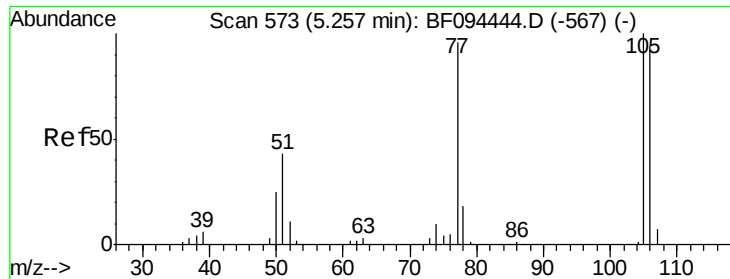
130 32.9 12.9 52.9

64 47.8 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: 9.87 ng
RT: 5.27 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

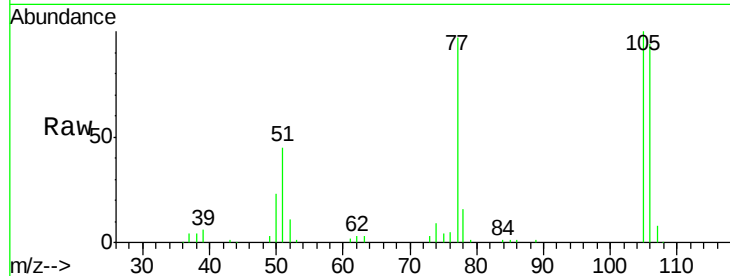
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion: 77 Resp: 62128
Ion Ratio Lower Upper
77 100
105 102.6 83.8 123.8
106 96.4 79.1 119.1

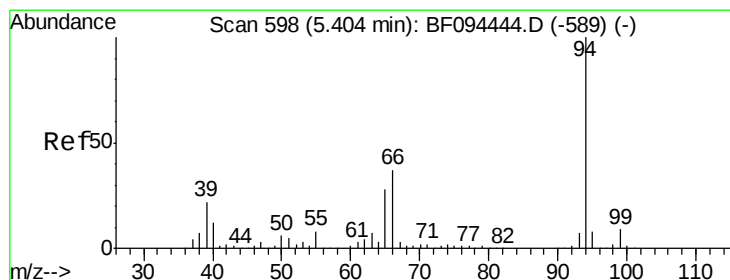
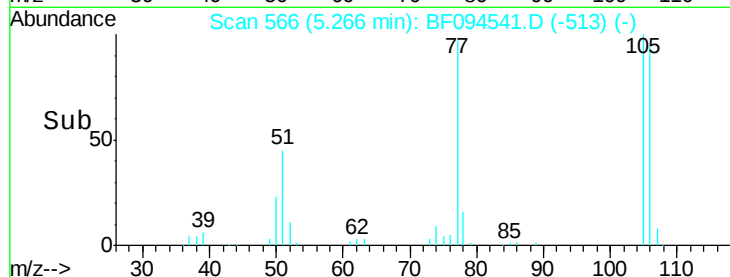
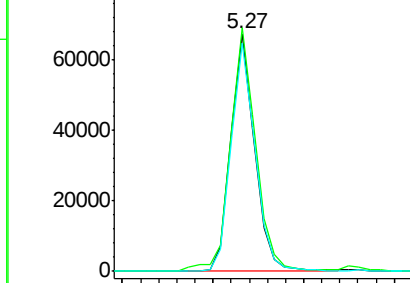
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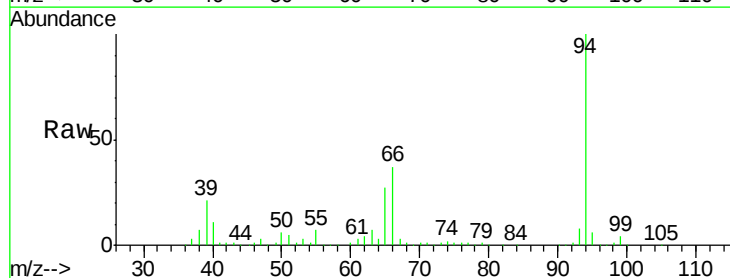


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

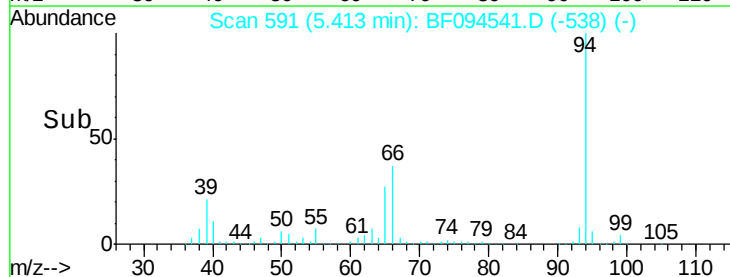
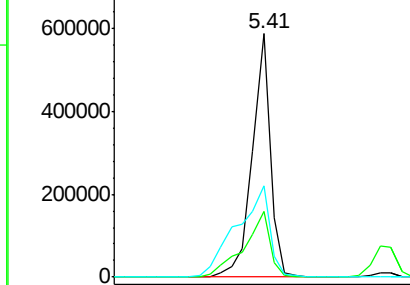


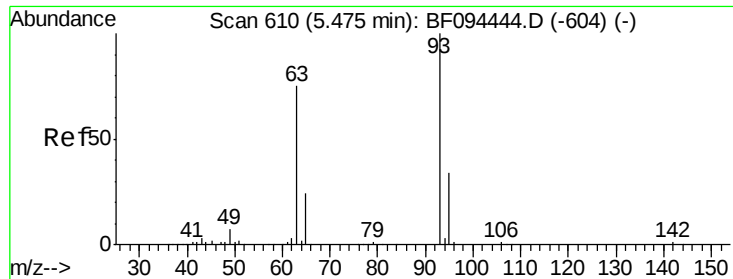
#10
Phenol
Concen: 40.48 ng
RT: 5.41 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion: 94 Resp: 411670
Ion Ratio Lower Upper
94 100
65 27.1 9.9 49.9
66 37.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 39.60 ng

RT: 5.48 min Scan# 603

Delta R.T. 0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

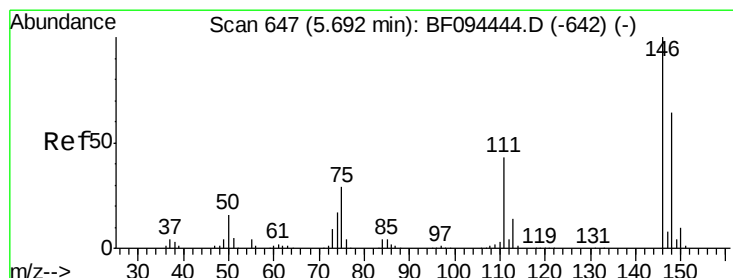
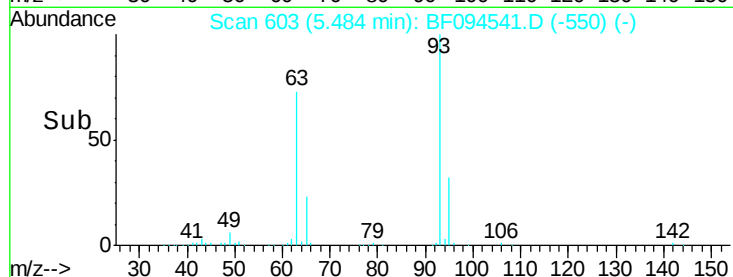
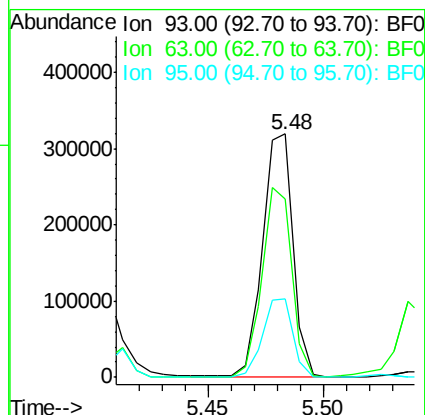
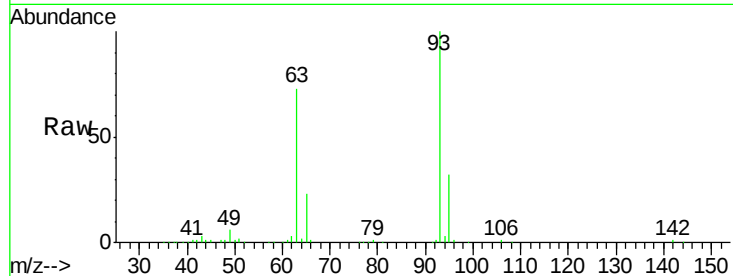
SB-9(18-20)20170418MS

Tot Ion:	93	Resp:	294147
Ion Ratio	Lower	Upper	
93	100		
63	73.2	59.2	99.2
95	32.2	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 38.54 ng

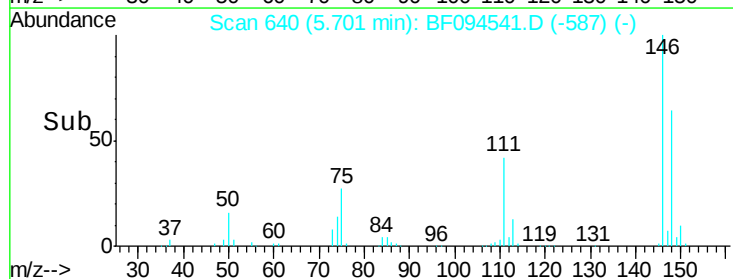
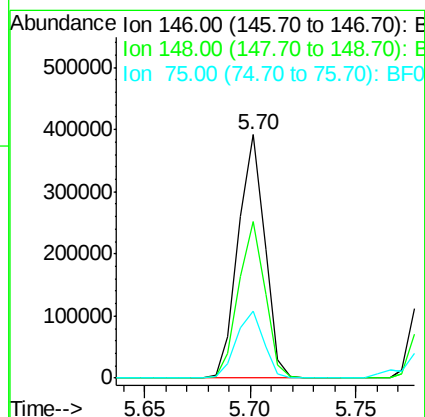
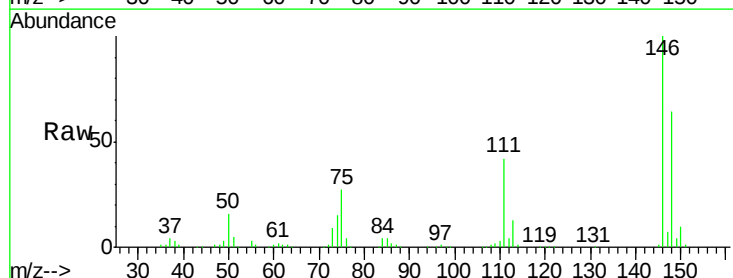
RT: 5.70 min Scan# 640

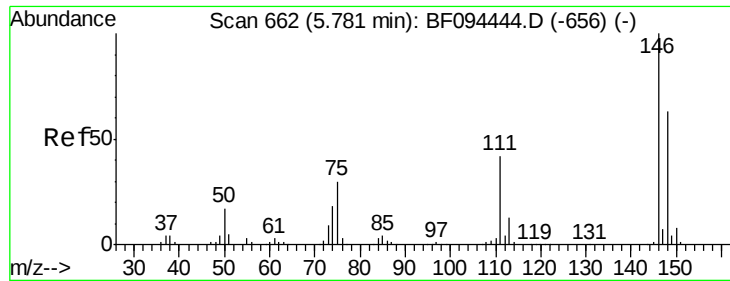
Delta R.T. 0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	146	Resp:	341144
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.8	77.6
75	27.3	23.1	34.7





#13
 1,4-Dichlorobenzene
 Concen: 39.04 ng
 RT: 5.79 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

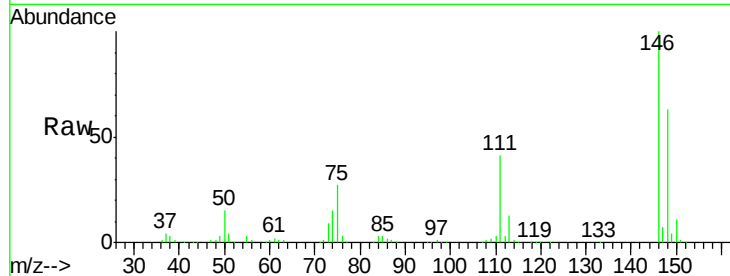
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.2	78.2
111	40.5	30.3	45.5

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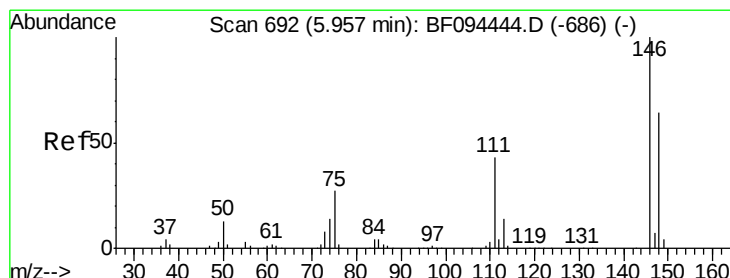
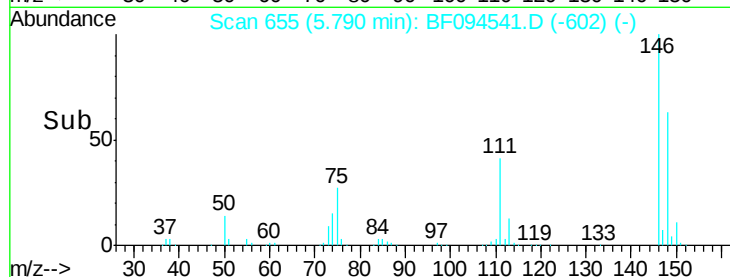
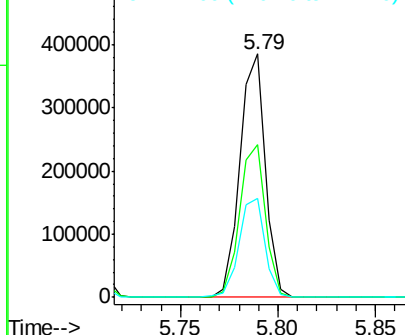


Abundance

Ion 146.00 (145.70 to 146.70): E

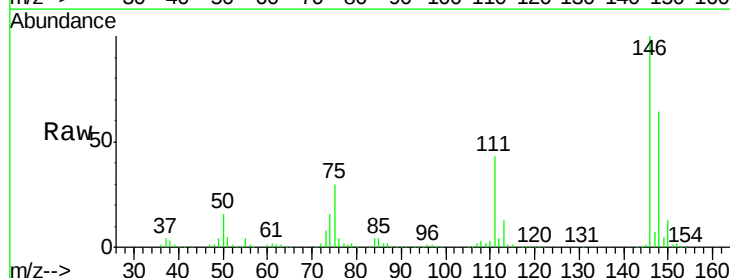
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 39.47 ng
 RT: 5.96 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.4	75.6
111	43.4	38.2	57.4

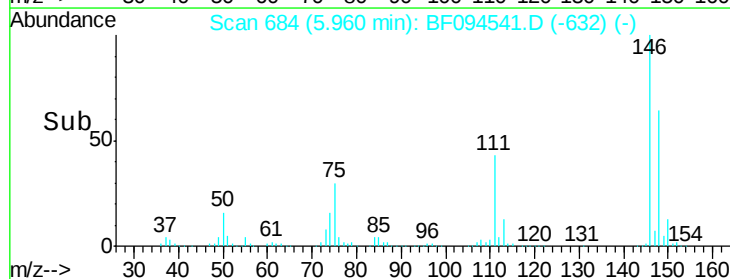
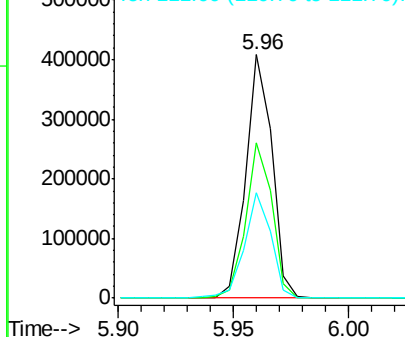


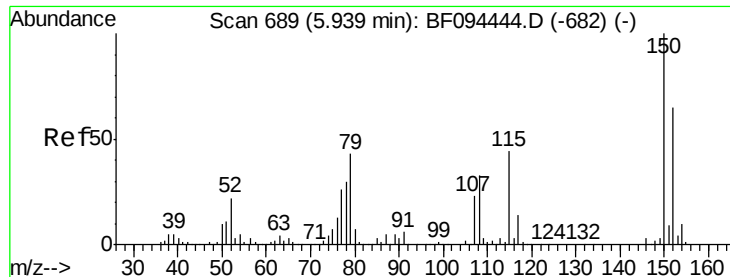
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.45 ng

RT: 5.94 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MS

Tot Ion: 79 Resp: 248358
Ion Ratio Lower Upper

79 100

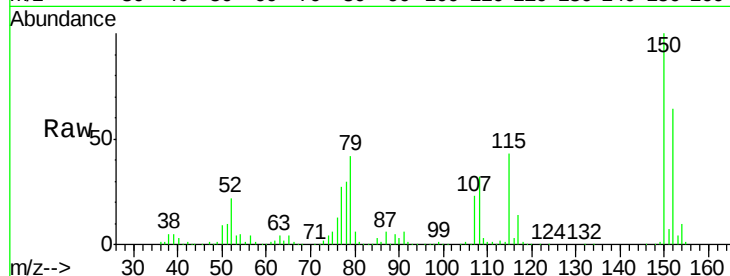
108 76.0 63.4 95.0

77 63.3 49.2 73.8

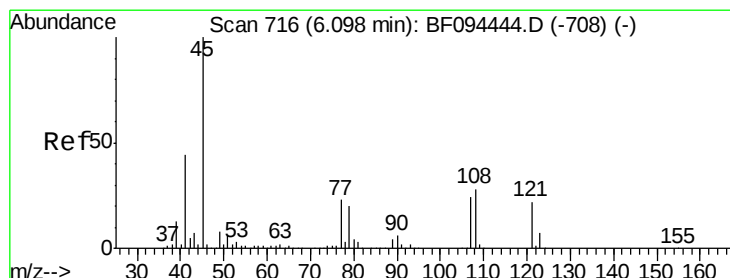
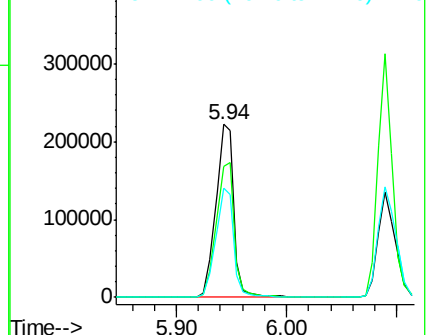
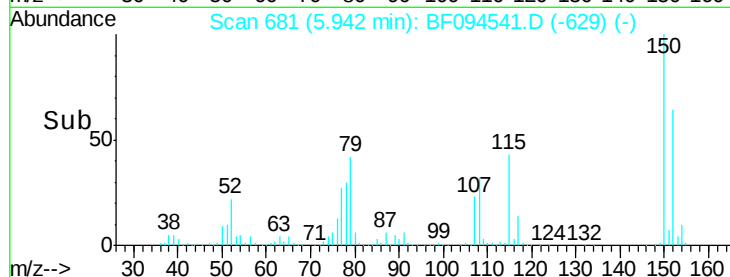
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Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.45 ng

RT: 6.10 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF094541.D

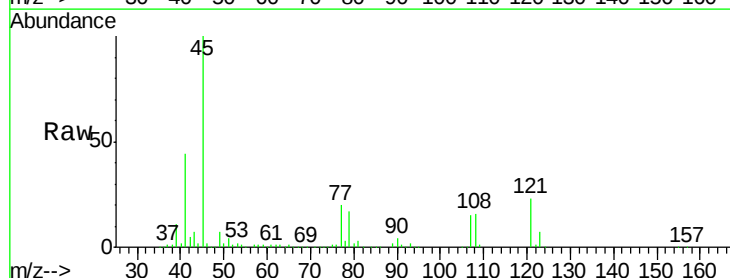
Acq: 20 Apr 2017 13:38

Tgt Ion: 45 Resp: 393933
Ion Ratio Lower Upper

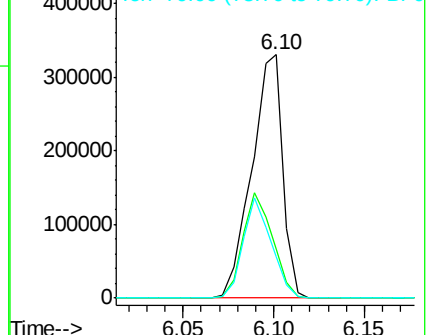
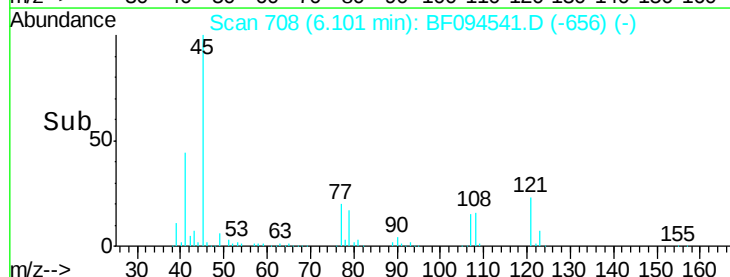
45 100

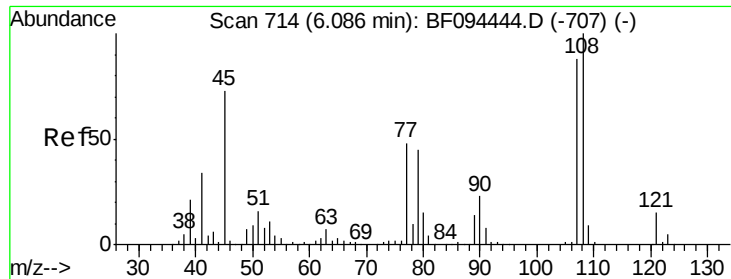
77 20.2 0.0 33.2

79 17.0 0.0 30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17
2-Methylphenol
Concen: 40.54 ng
RT: 6.09 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

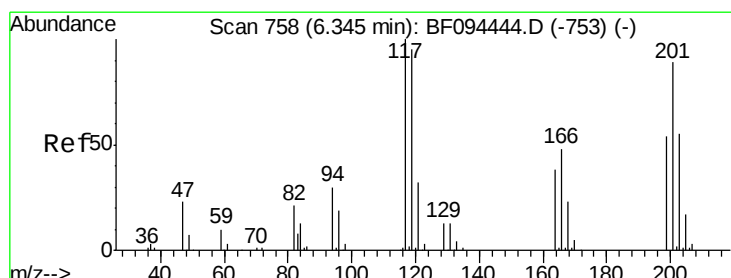
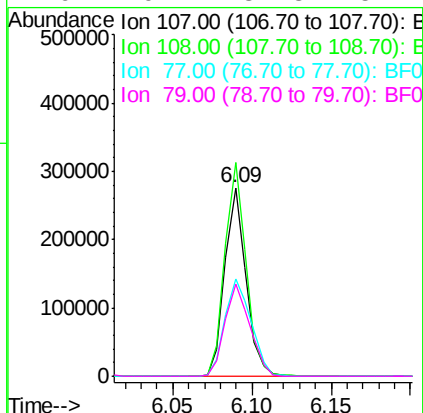
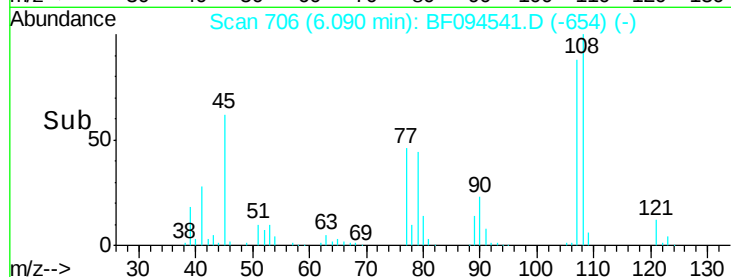
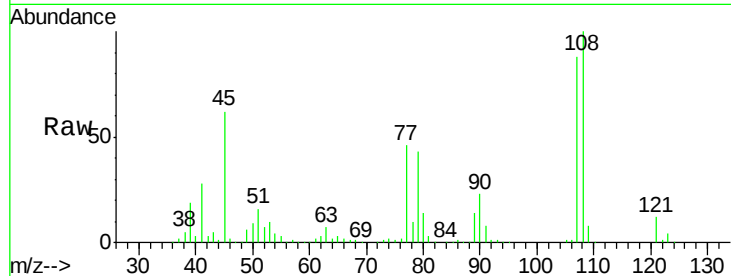
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	93.4	140.0	
77	51.7	35.8	53.6	
79	49.2	34.8	52.2	

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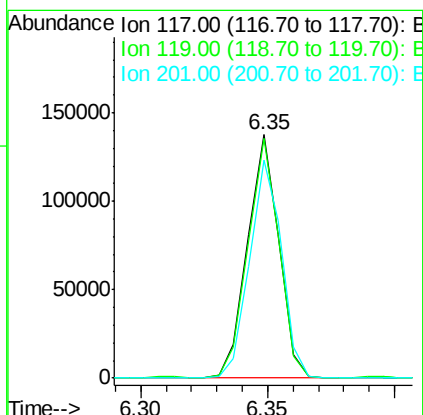
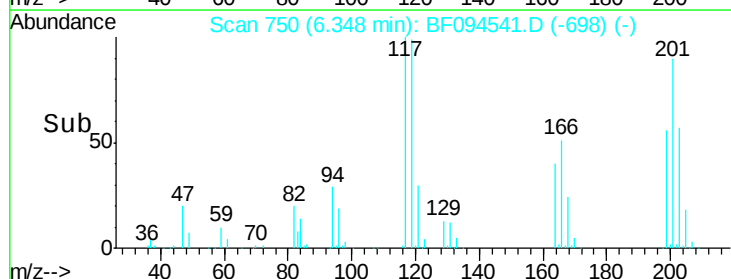
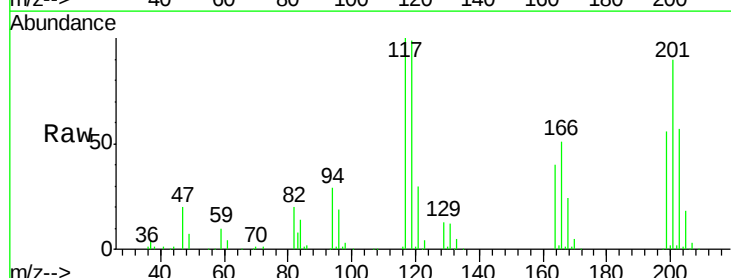
mohammad

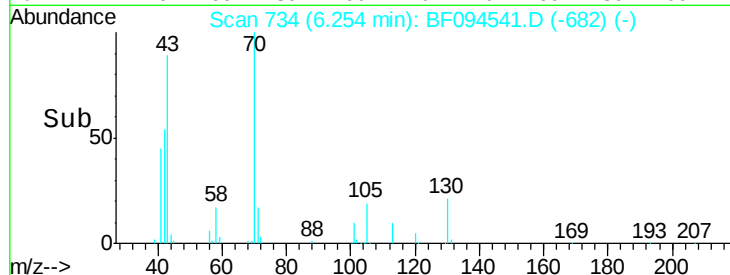
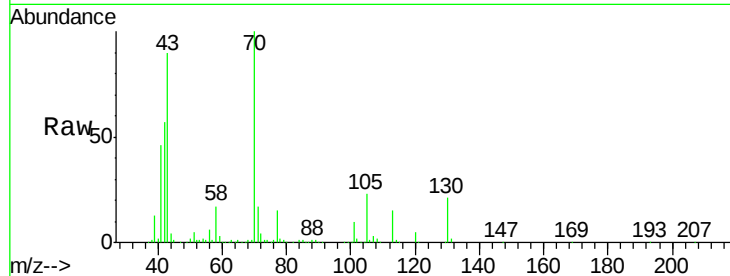
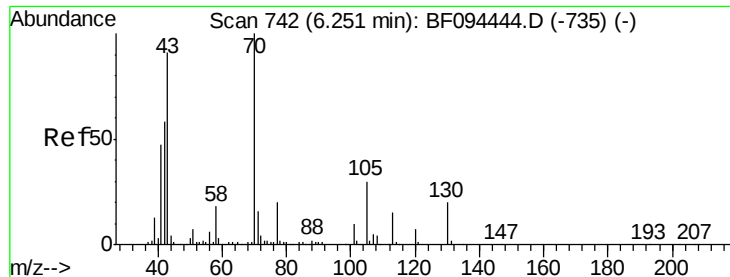
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#18
Hexachloroethane
Concen: 38.65 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.5	77.4	116.0	
201	89.7	94.6	141.8#	





#19
n-Nitroso-di-n-propylamine
Concen: 41.74 ng
RT: 6.25 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

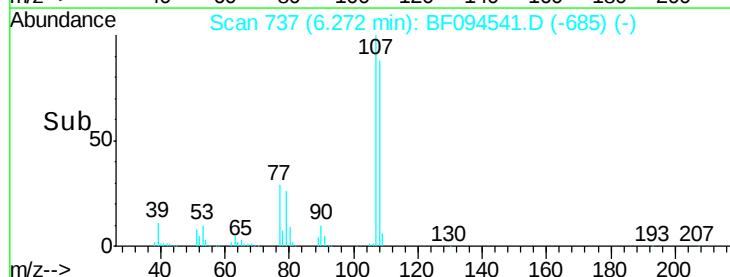
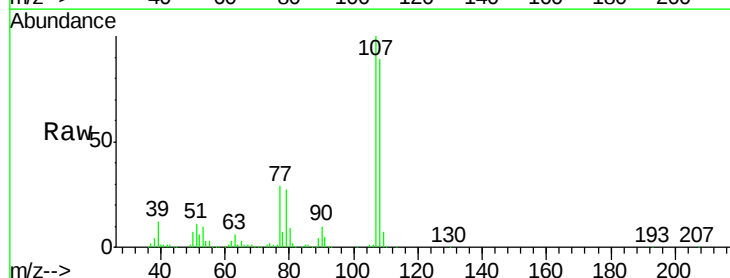
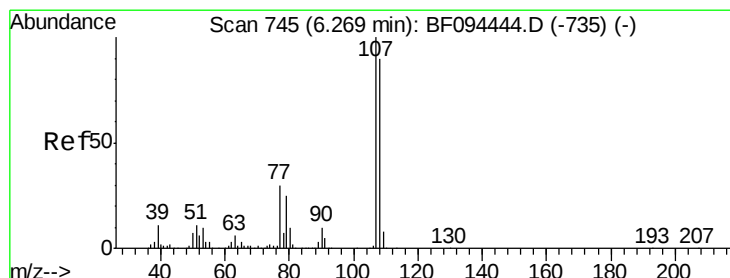
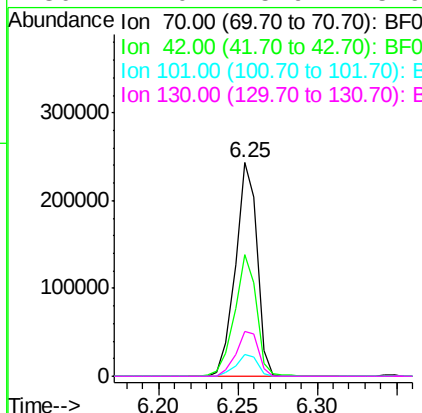
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.9	47.2	70.8	
101	10.2	7.2	10.8	
130	21.0	15.9	23.9	

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

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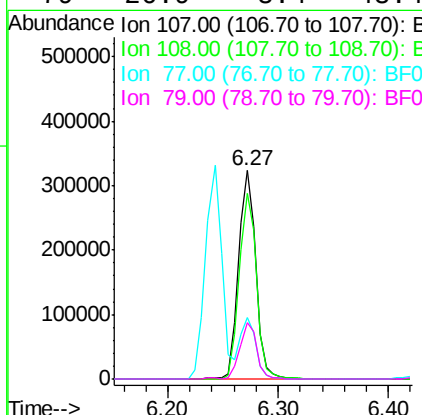
mohammad

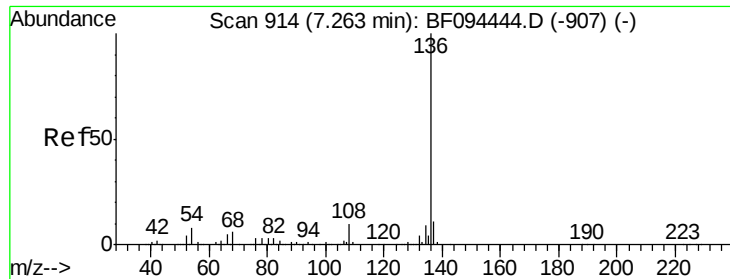
4/21/2017 11:35:59 AM



#20
3+4-Methylphenols
Concen: 41.70 ng
RT: 6.27 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.0	71.0	111.0	
77	29.4	90.5	130.5#	
79	26.9	8.4	48.4	





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

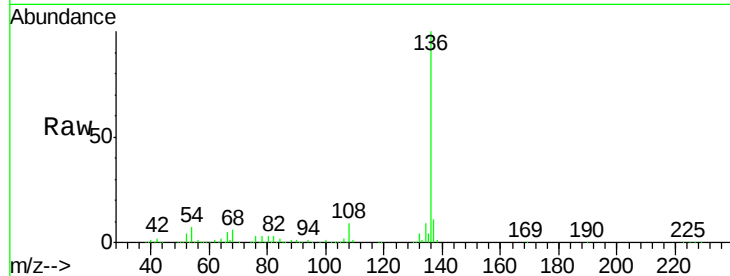
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.5	12.7	
54	7.3	4.9	7.3	
68	5.6	4.1	6.1	

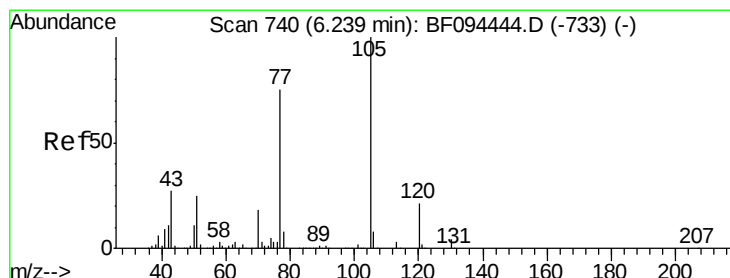
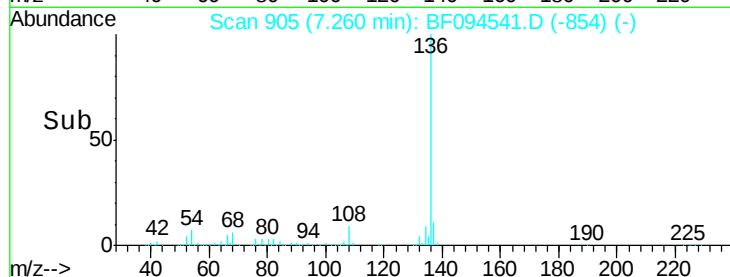
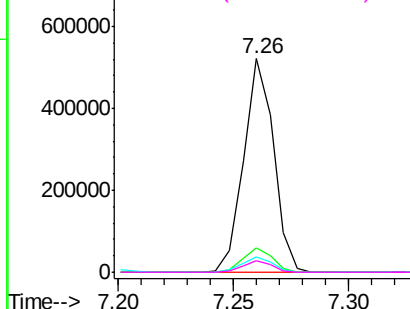
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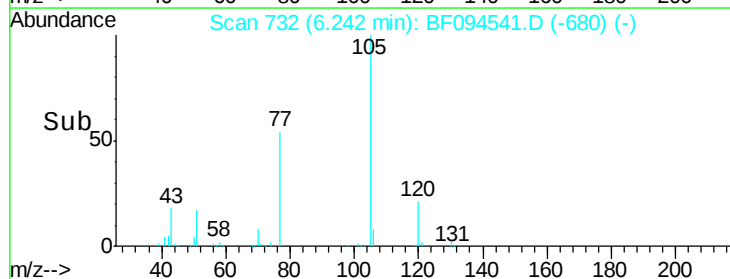
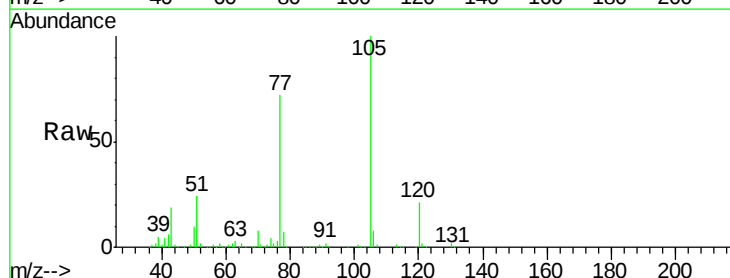
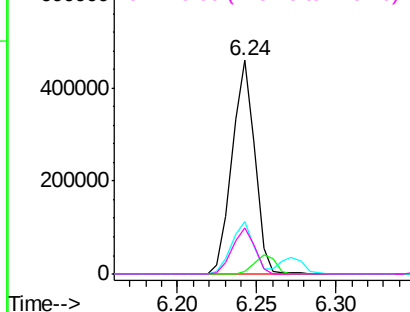
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

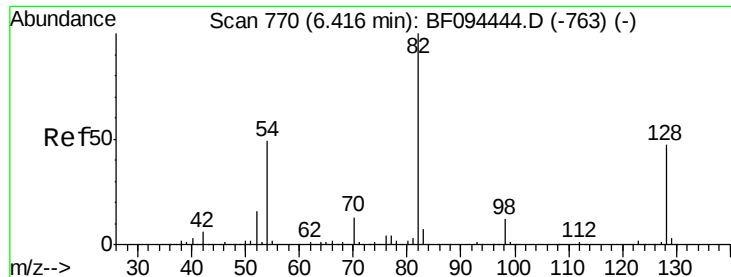


#22
Acetophenone
Concen: 39.53 ng
RT: 6.24 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.4	2.8	4.2#	
51	24.4	30.7	46.1#	
120	21.3	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: 81.49 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

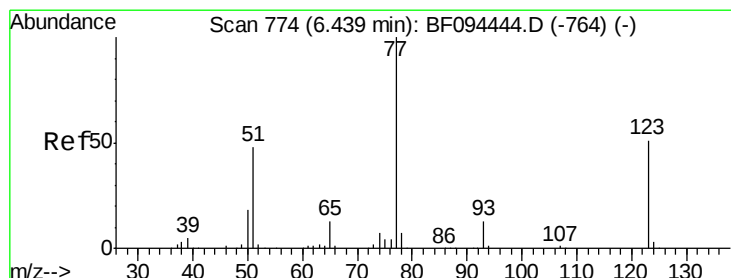
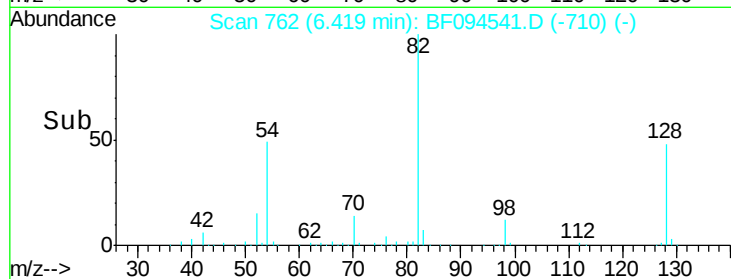
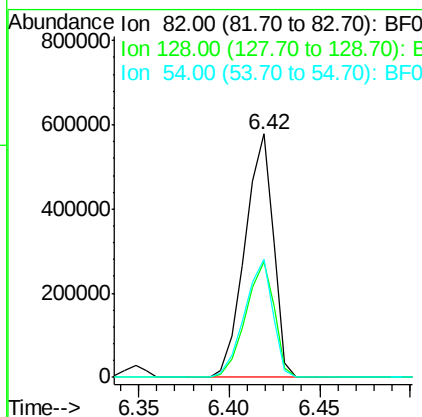
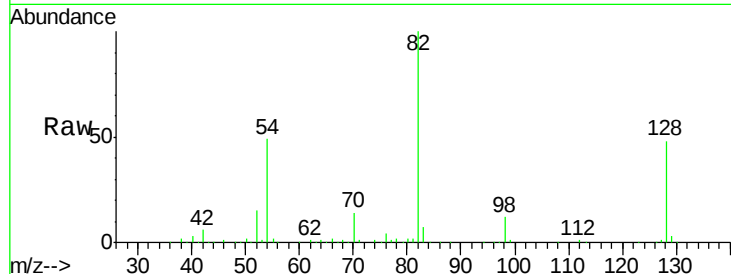
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.0	51.0
54	48.8	42.2	63.2

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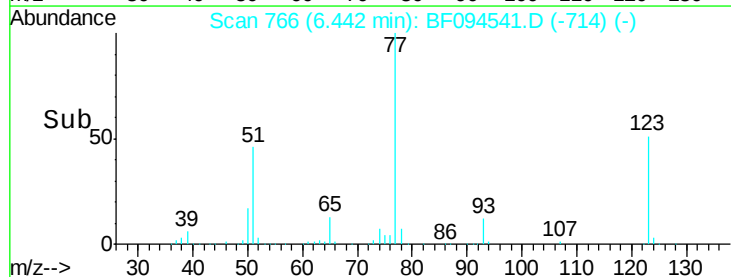
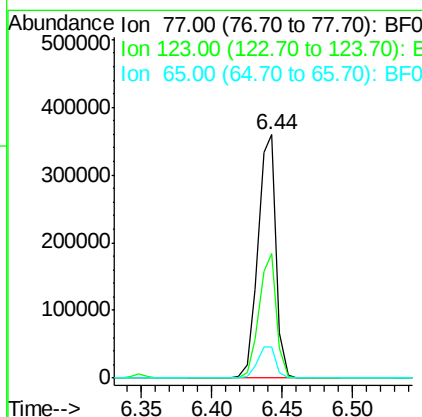
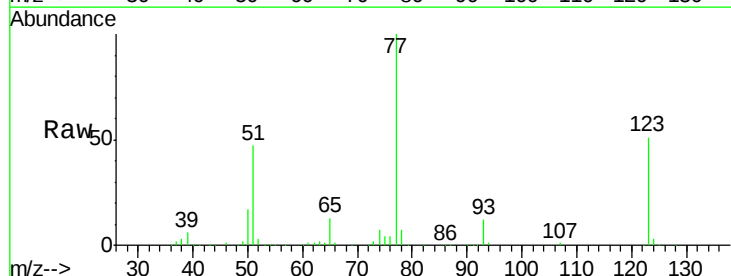
mohammad

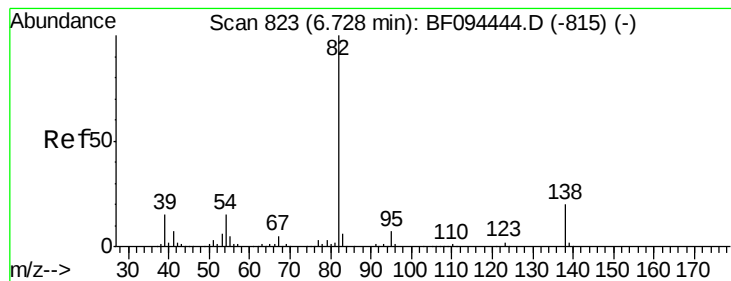
4/21/2017 11:35:59 AM



#24
Nitrobenzene
Concen: 40.18 ng
RT: 6.44 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.2	35.8	53.8
65	12.8	10.6	15.8





#25

Isophorone

Concen: 40.89 ng

RT: 6.72 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

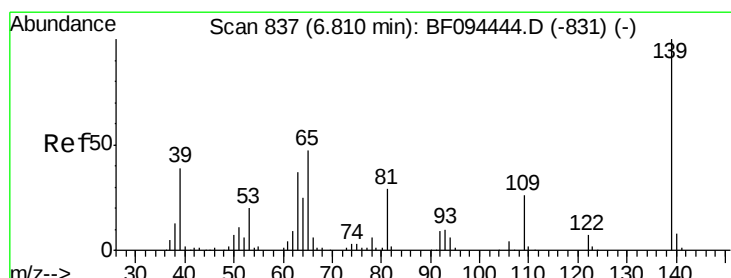
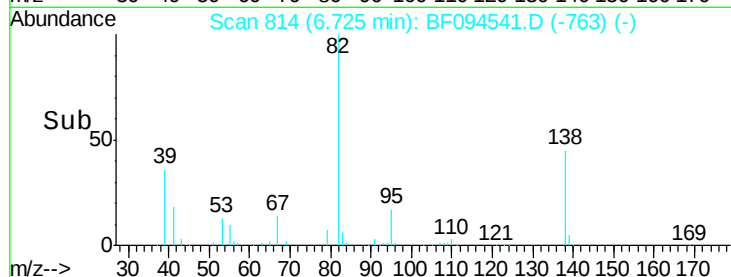
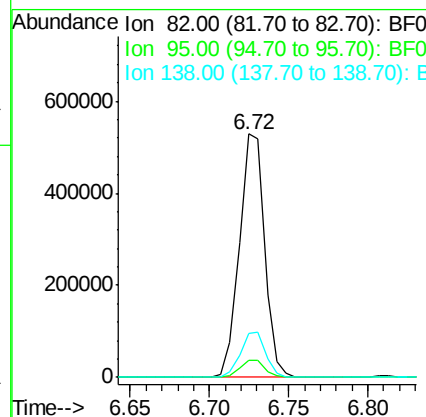
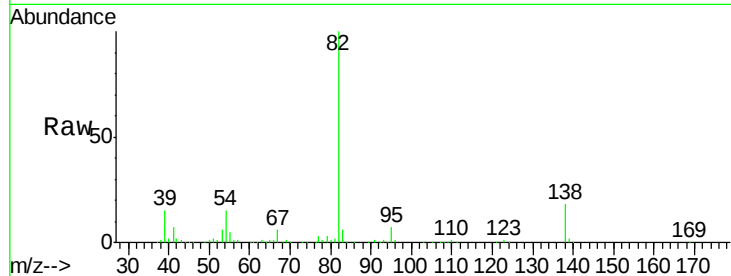
SB-9(18-20)20170418MS

Tot Ion:	82	Resp:	583686
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	18.2	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.81 ng

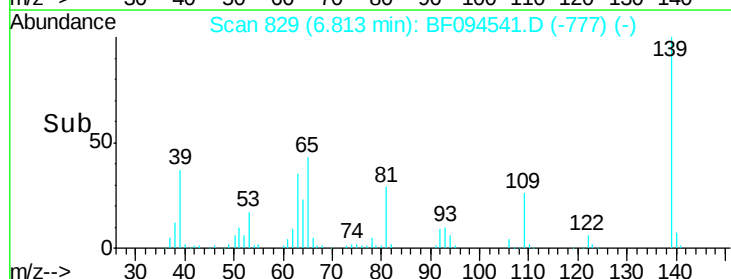
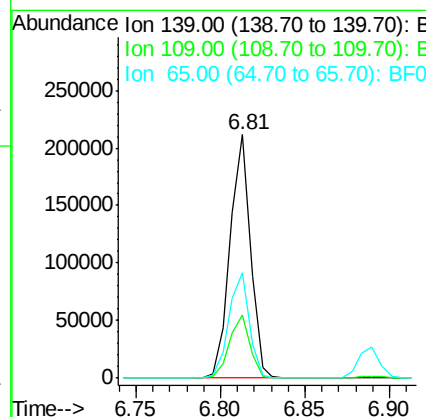
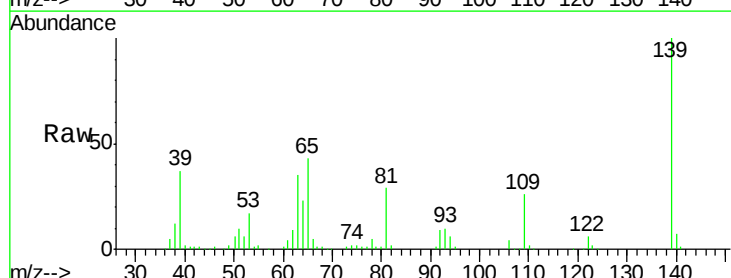
RT: 6.81 min Scan# 829

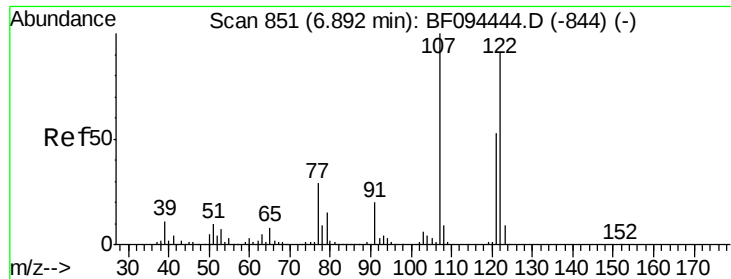
Delta R.T. 0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	139	Resp:	177792
Ion Ratio	Lower	Upper	
139	100		
109	26.2	21.0	31.6
65	43.4	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 39.88 ng

RT: 6.89 min Scan# 842

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

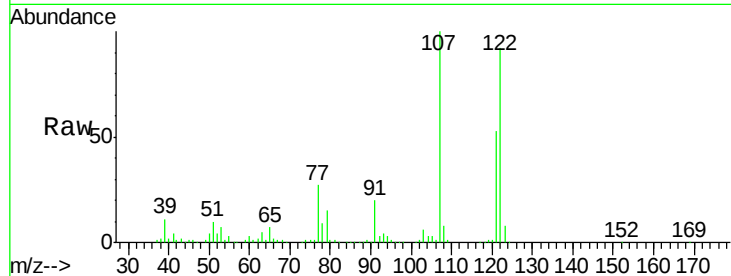
SB-9(18-20)20170418MS

Tot Ion:	122	Resp:	282153
Ion Ratio	Lower	Upper	
122	100		
107	109.0	89.2	133.8
121	57.5	45.2	67.8

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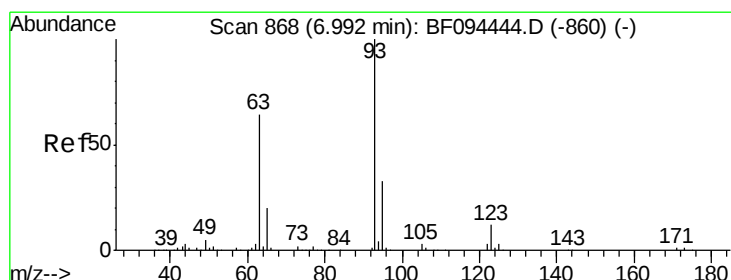
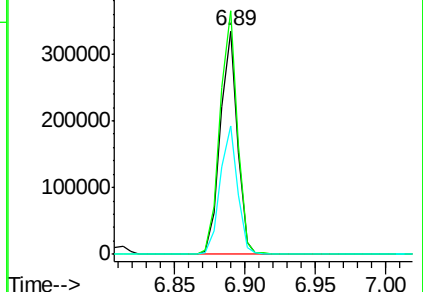
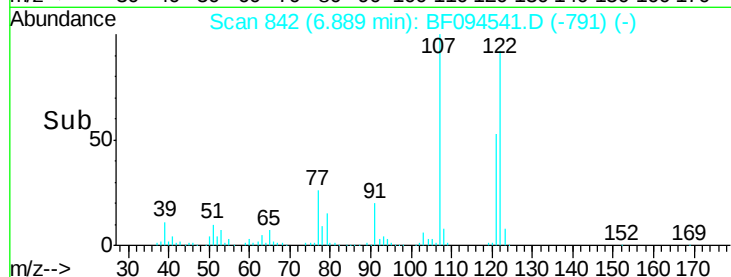
4/21/2017 11:35:59 AM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.70 ng

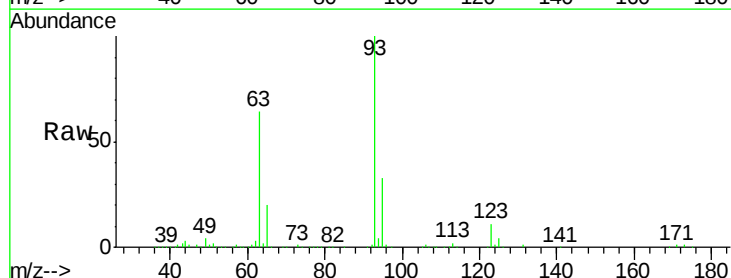
RT: 6.99 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

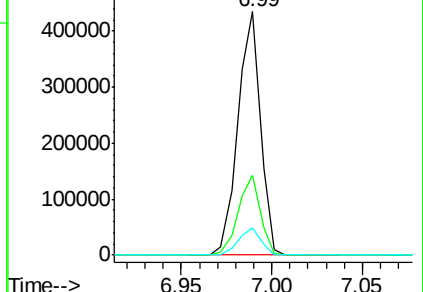
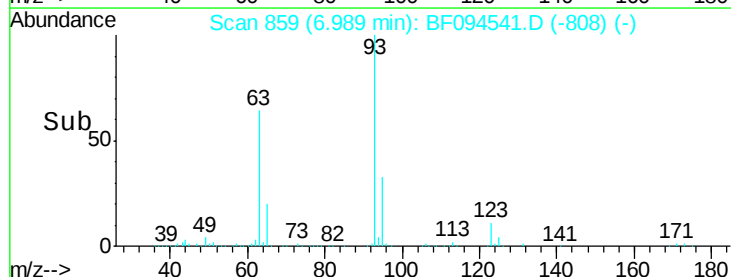
Tgt Ion:	93	Resp:	375738
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.5	39.7
123	11.2	9.0	13.4

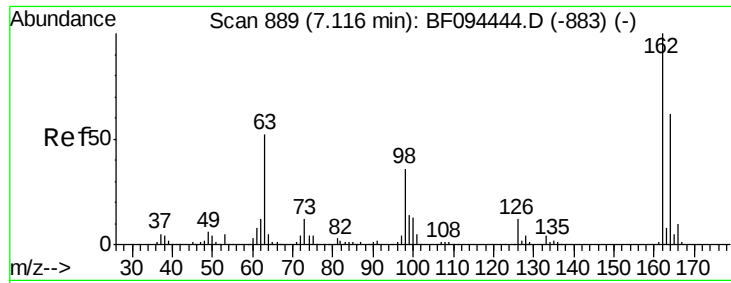


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29
2,4-Dichlorophenol
Concen: 41.60 ng
RT: 7.11 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

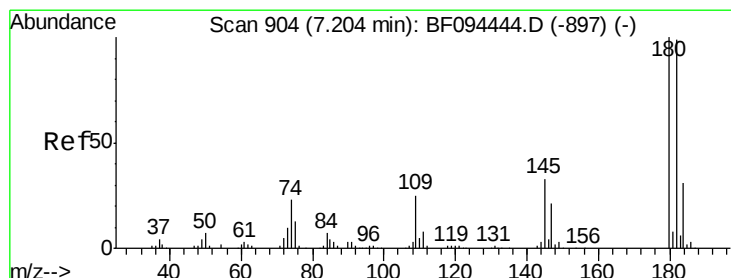
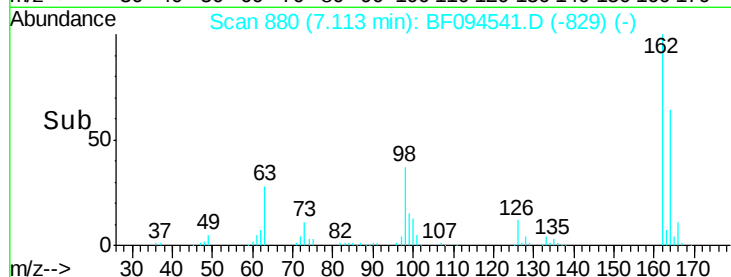
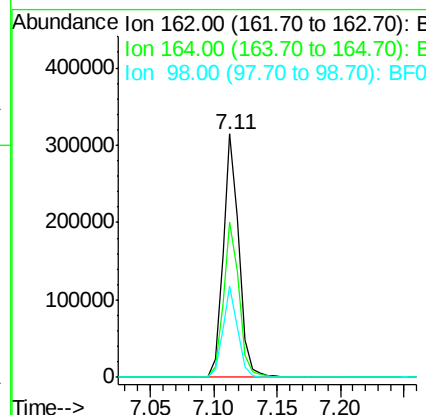
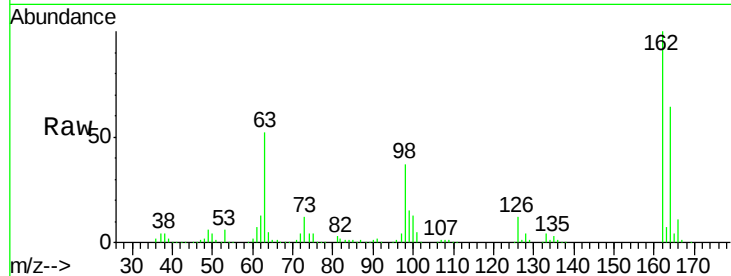
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		273821		
164	63.6		44.6	84.6	
98	37.3		14.8	54.8	

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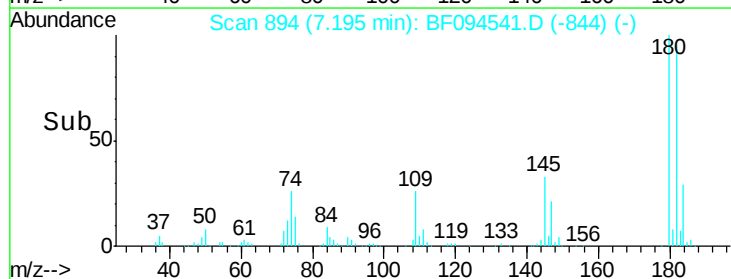
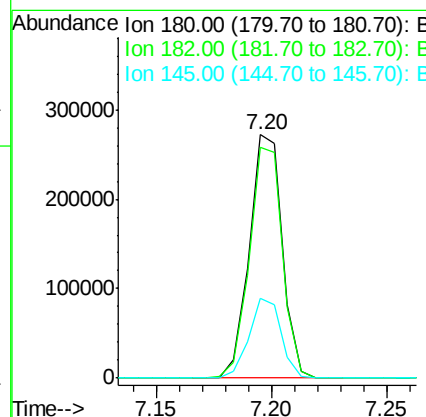
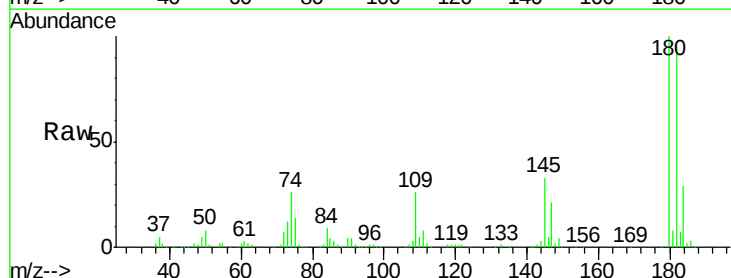
mohammad

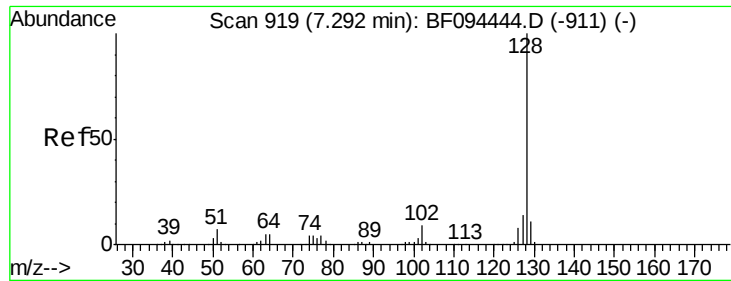
4/21/2017 11:35:59 AM



#30
1,2,4-Trichlorobenzene
Concen: 39.86 ng
RT: 7.20 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		271266		
182	94.6		75.8	113.6	
145	33.0		25.3	37.9	





#31
Naphthalene
Concen: 39.91 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

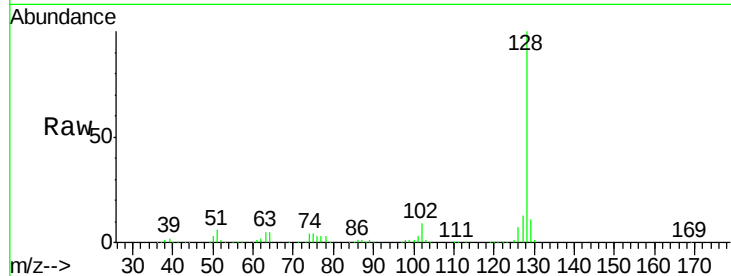
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion:128	Resp:	912211
Ion Ratio	Lower	Upper
128	100	
129	10.9	9.0 13.6
127	13.3	10.8 16.2

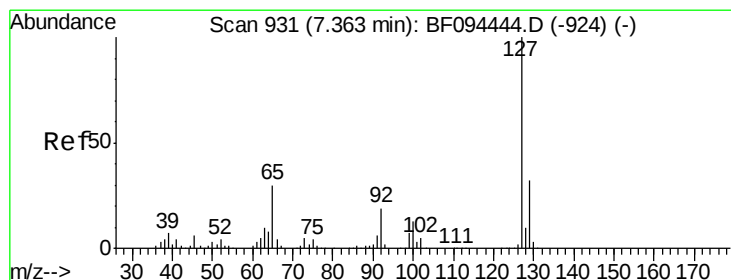
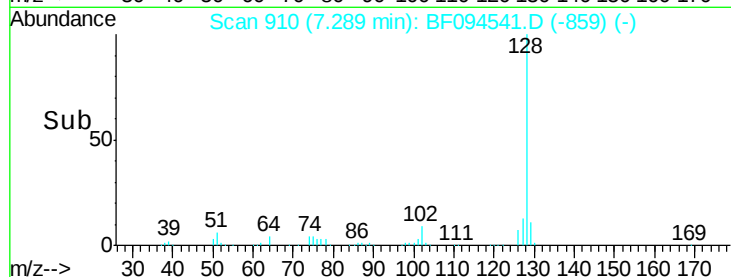
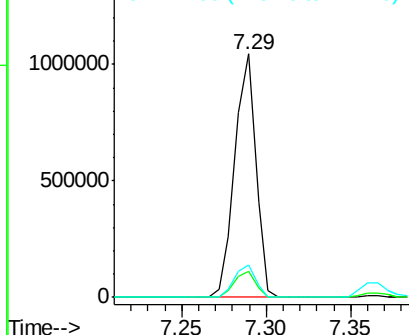
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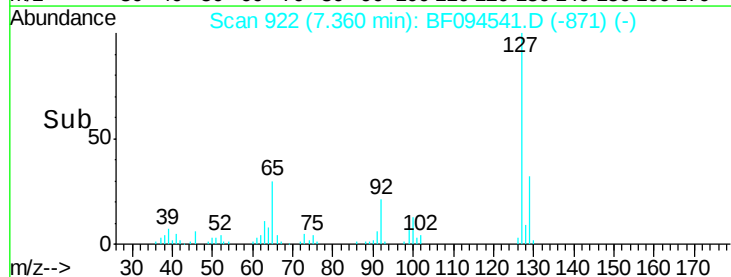
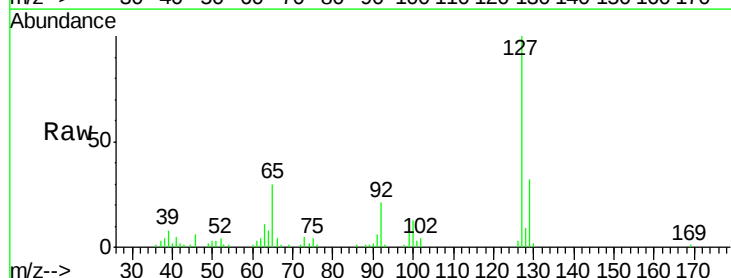
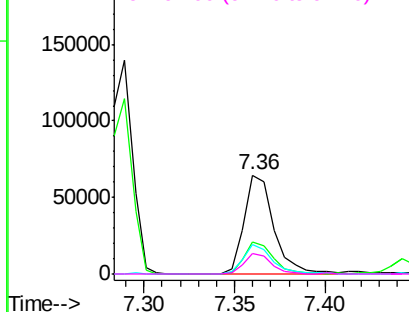
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

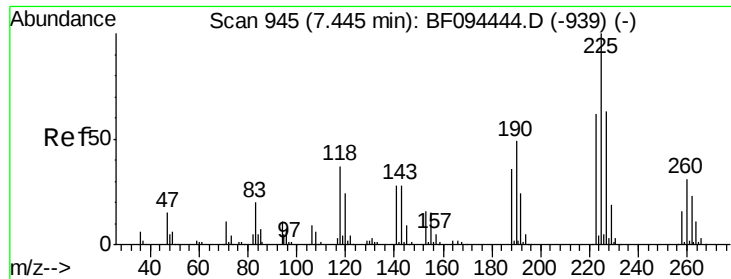


#33
4-Chloroaniline
Concen: 7.79 ng
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion:127	Resp:	74102
Ion Ratio	Lower	Upper
127	100	
129	32.3	26.2 39.2
65	29.9	27.8 41.8
92	20.8	16.8 25.2

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#34
Hexachlorobutadiene
Concen: 39.71 ng
RT: 7.44 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

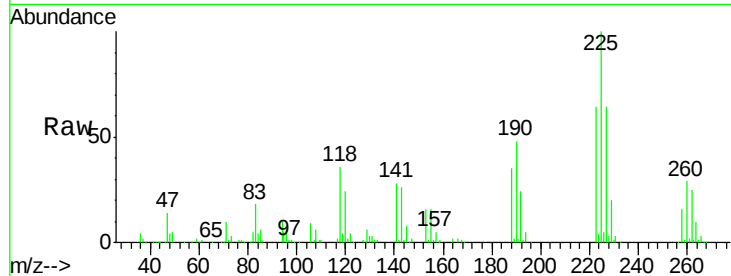
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.5	48.8	73.2
227	64.0	51.1	76.7

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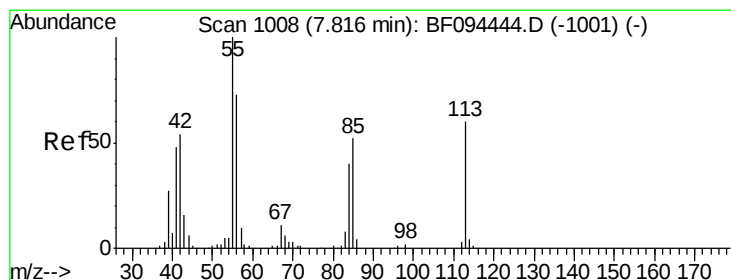
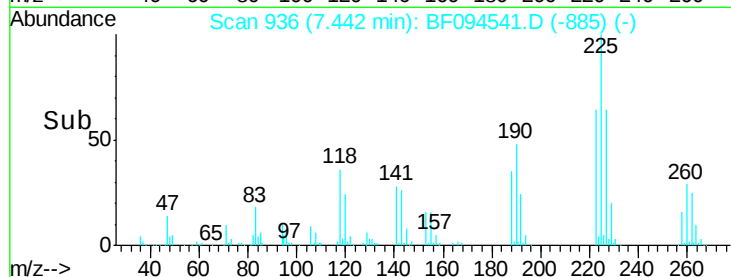
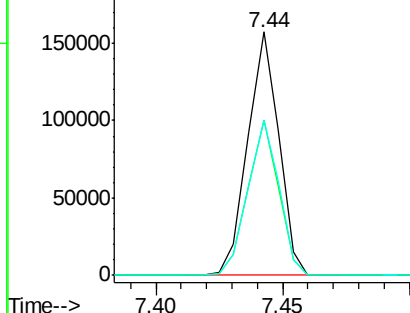


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35
Caprolactam
Concen: 37.97 ng m
RT: 7.82 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

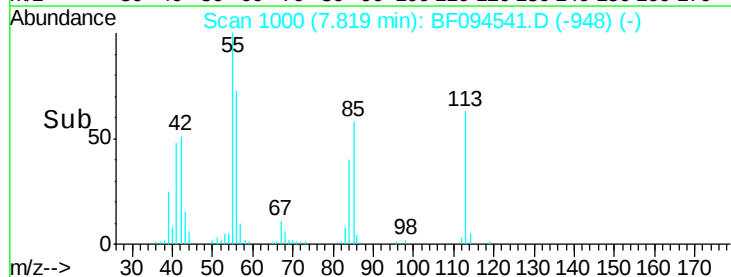
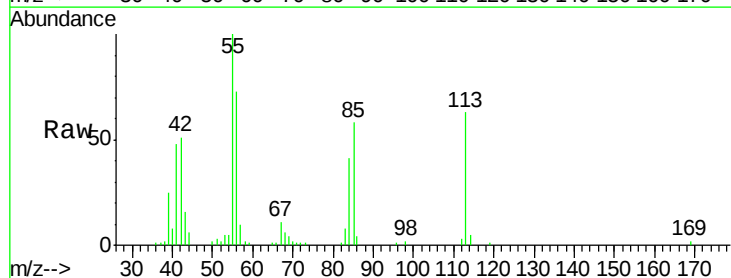
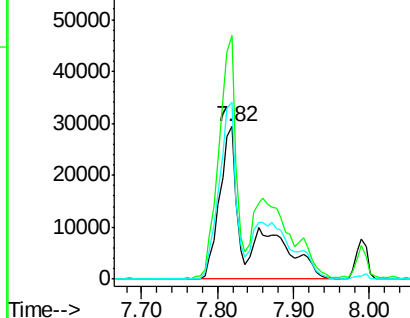
Tgt Ion	Ratio	Lower	Upper
113	100		
55	159.9	150.2	190.2
56	116.0	107.8	147.8

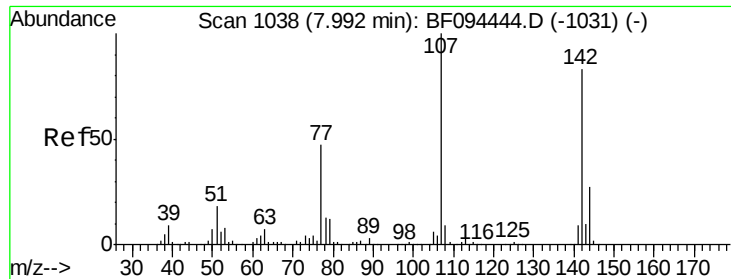
Abundance

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: 41.01 ng
 RT: 7.99 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

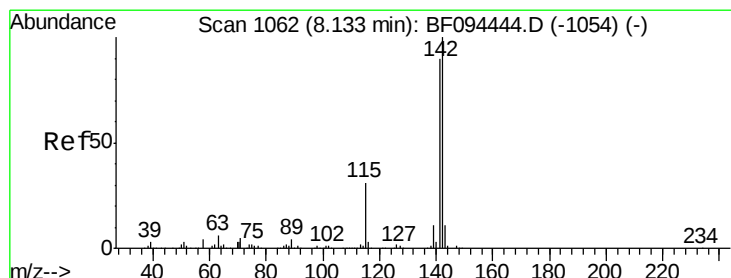
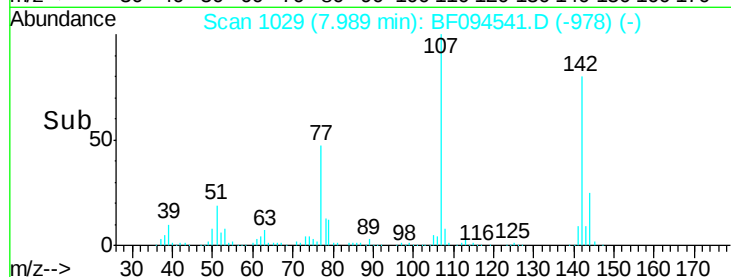
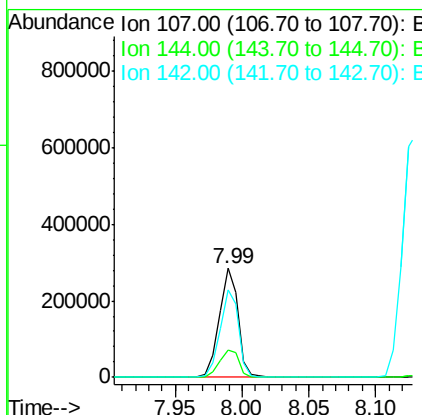
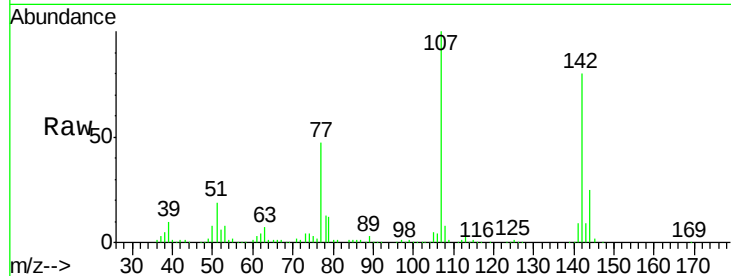
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.3	24.2	36.4
142	80.2	73.4	110.0

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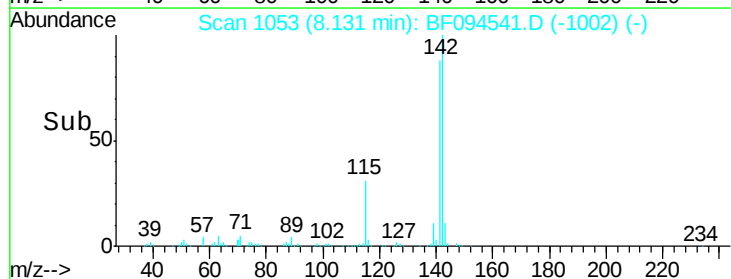
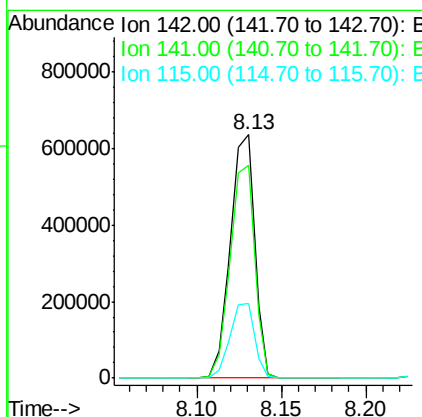
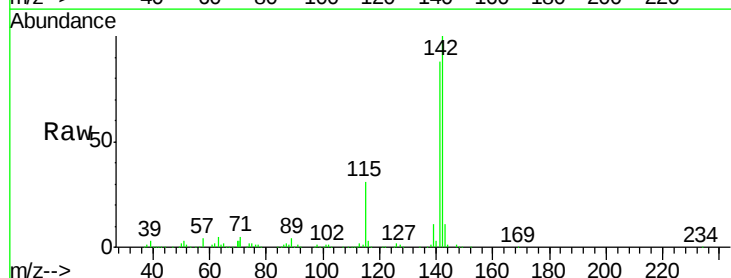
mohammad

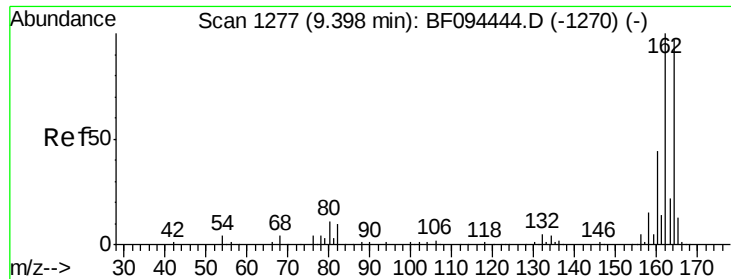
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#37
 2-Methylnaphthalene
 Concen: 40.80 ng
 RT: 8.13 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9
115	30.5	27.1	40.7





#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

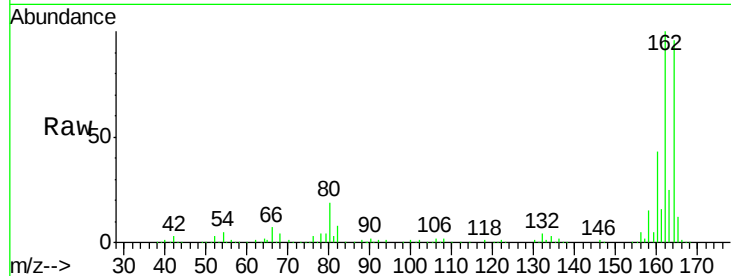
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	44.9	36.2	54.2

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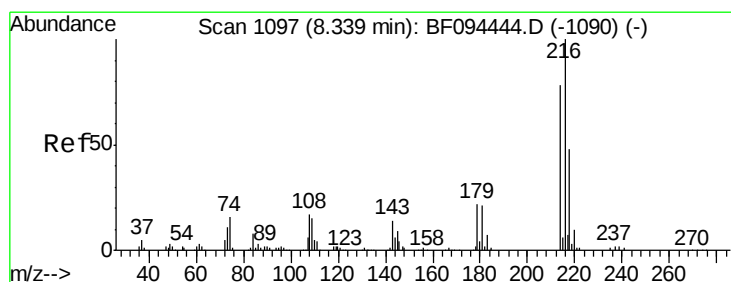
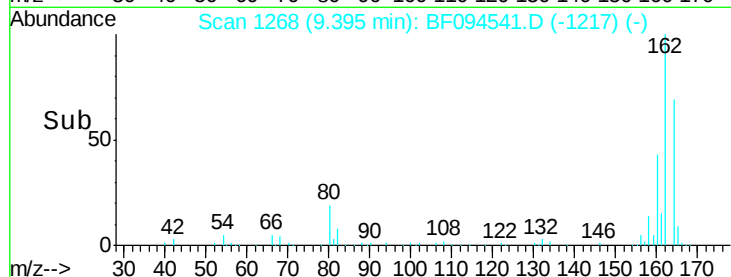
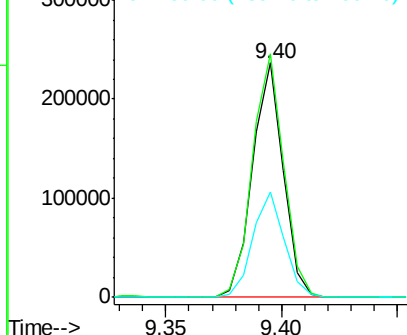


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39
1,2,4,5-Tetrachlorobenzene
Concen: 38.77 ng
RT: 8.34 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	22.7	17.9	26.9
108	21.5	16.5	24.7

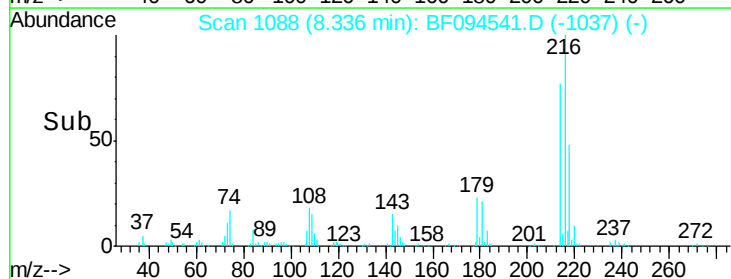
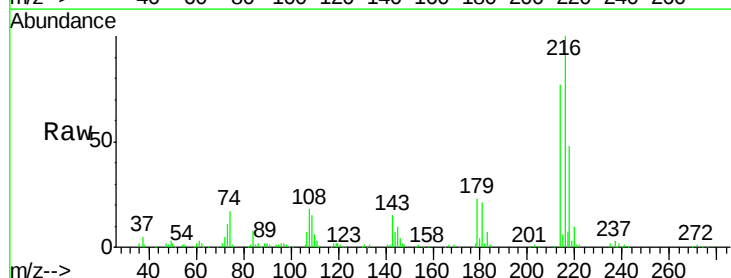
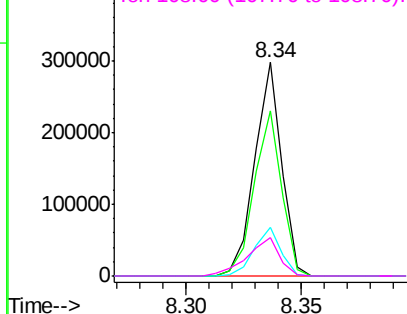
Abundance

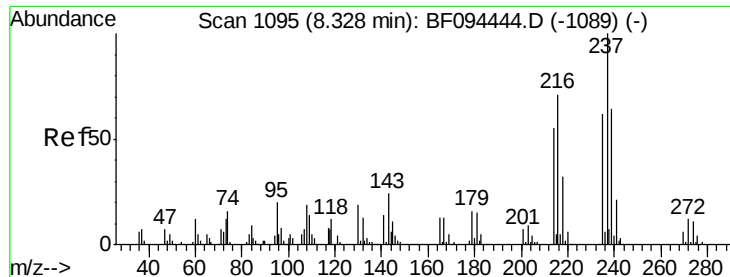
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40
Hexachlorocyclopentadiene
Concen: 88.32 ng
RT: 8.32 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

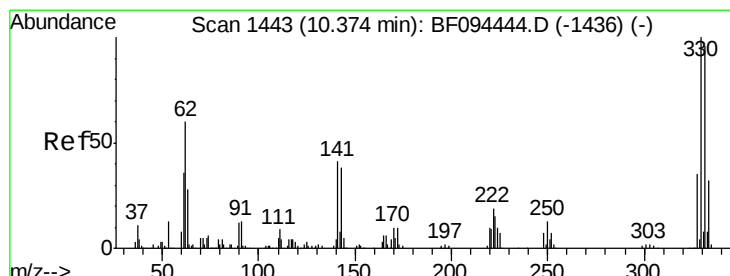
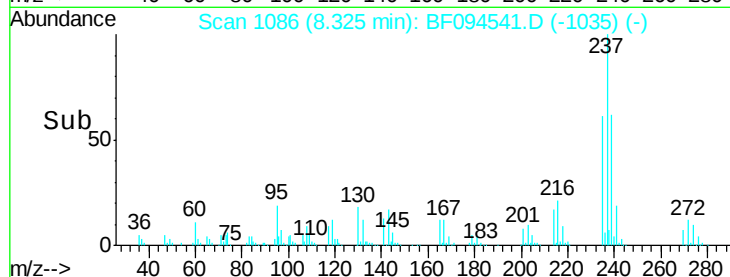
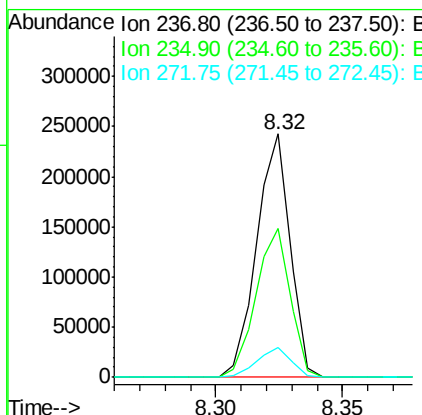
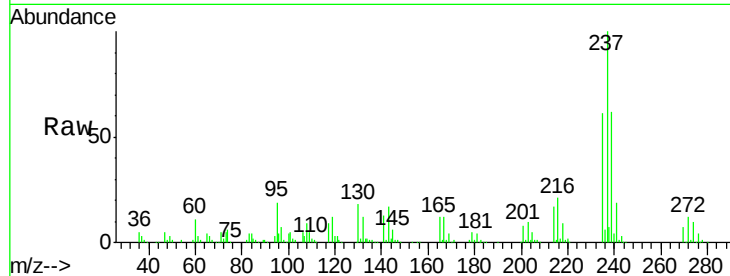
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	61.0		42.6	82.6	
272	12.3		0.0	31.9	

Manual Integrations
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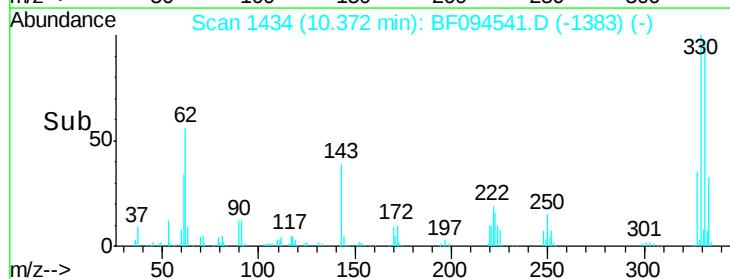
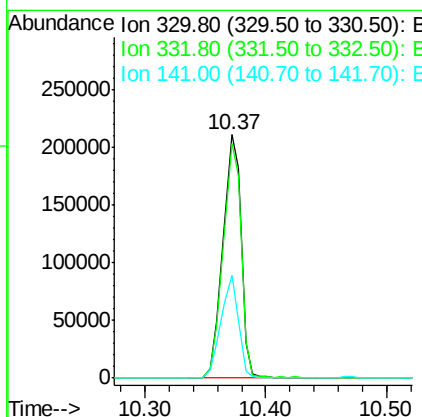
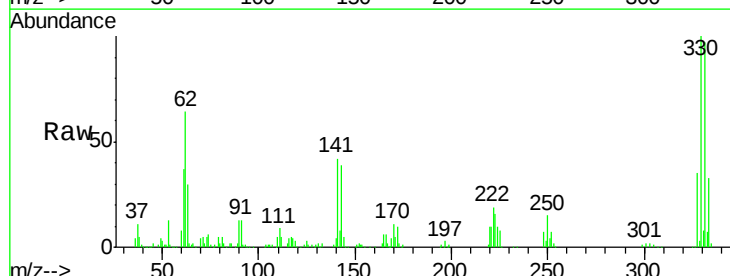
mohammad

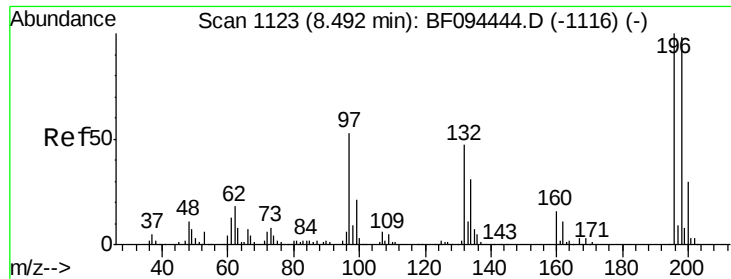
4/21/2017 11:35:59 AM



#41
2,4,6-Tribromophenol
Concen: 128.00 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100				
332	95.5		76.6	115.0	
141	40.0		31.4	47.2	





#42
 2,4,6-Trichlorophenol
 Concen: 40.53 ng
 RT: 8.49 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

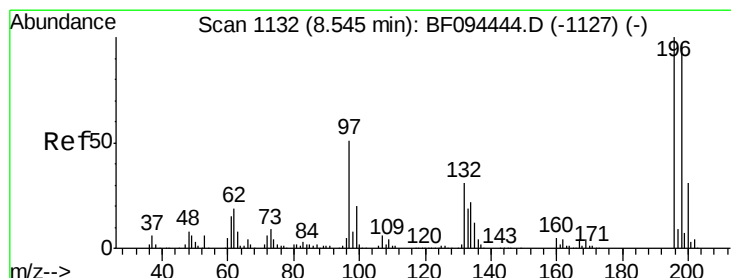
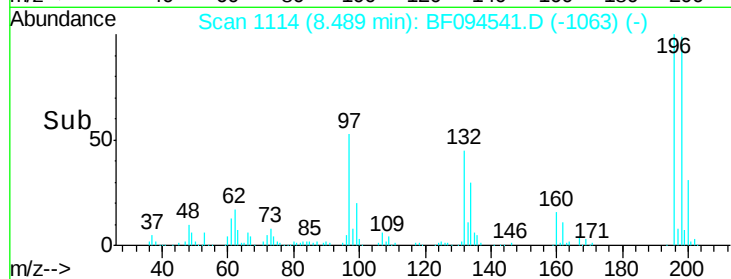
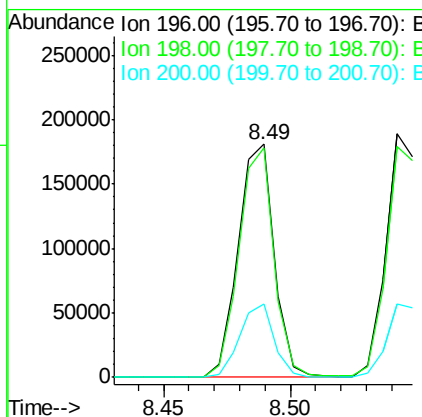
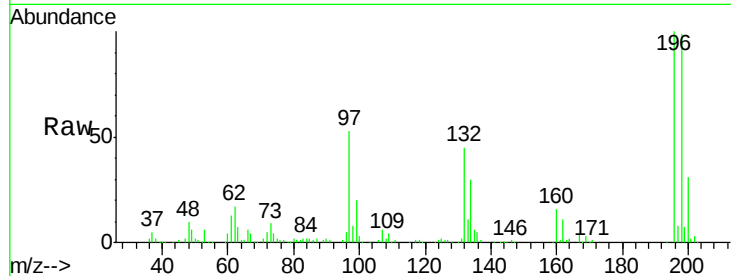
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion:	196	Resp:	178350
Ion Ratio	Lower	Upper	
196	100		
198	98.5	74.2	111.4
200	31.4	24.0	36.0

Manual Integrations
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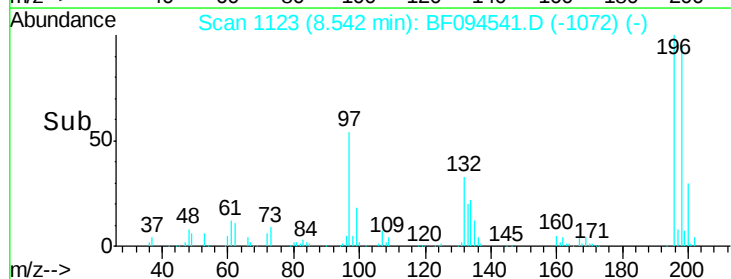
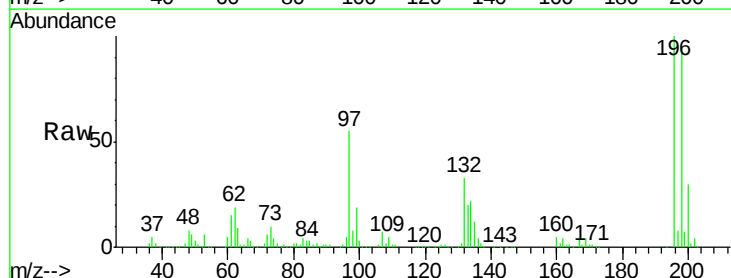
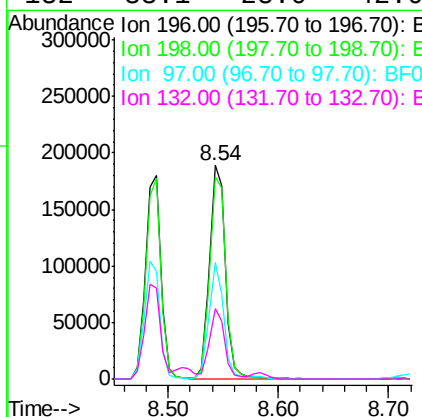
mohammad

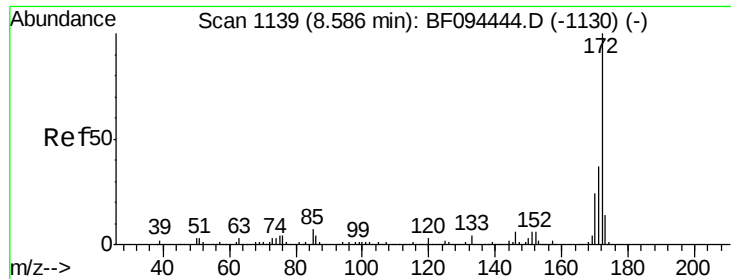
4/21/2017 11:35:59 AM



#43
 2,4,5-Trichlorophenol
 Concen: 40.59 ng
 RT: 8.54 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion:	196	Resp:	183400
Ion Ratio	Lower	Upper	
196	100		
198	94.5	75.7	113.5
97	54.8	47.7	71.5
132	33.1	28.0	42.0





#44
2-Fluorobiphenyl
Concen: 78.08 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

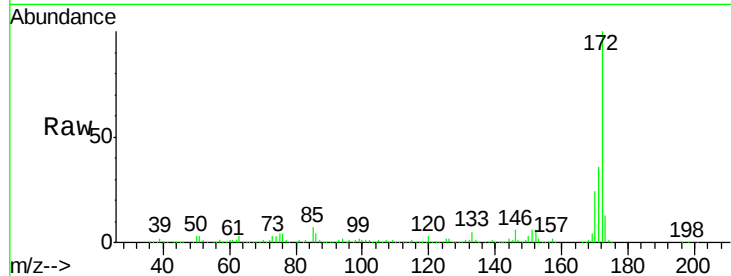
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.8	19.8	29.8

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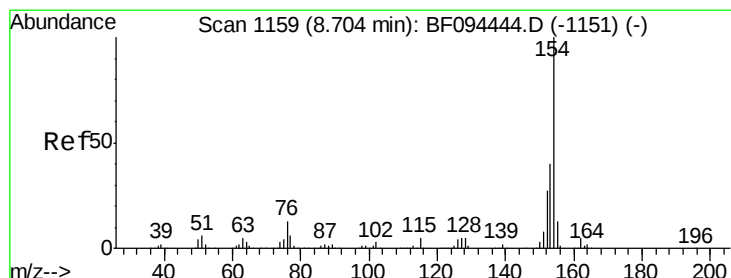
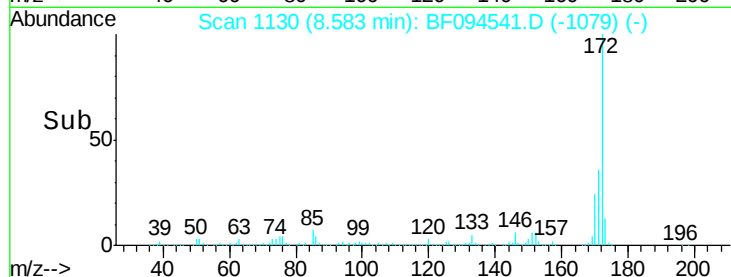
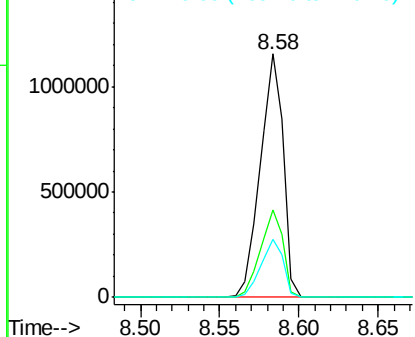


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45
1,1'-Biphenyl
Concen: 39.43 ng
RT: 8.70 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

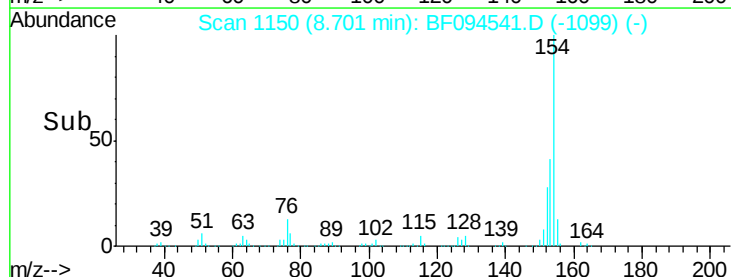
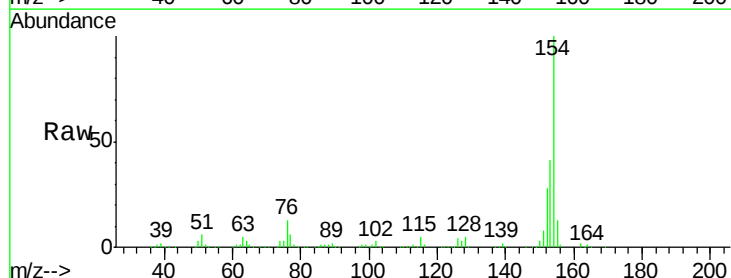
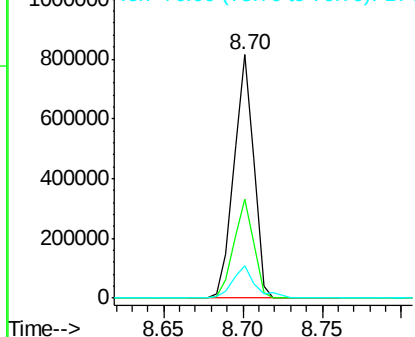
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.2	61.2
76	13.1	0.0	29.9

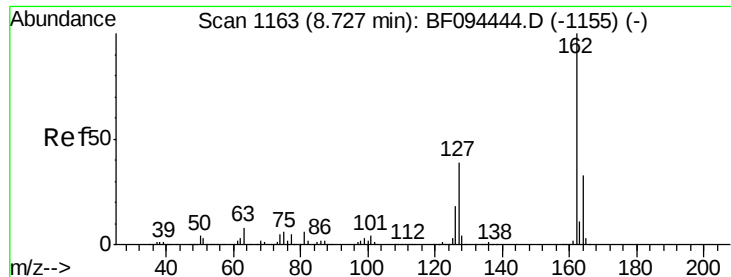
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#46
2-Chloronaphthalene
Concen: 40.17 ng
RT: 8.72 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

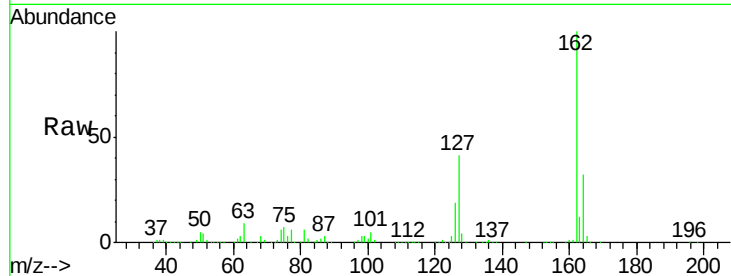
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	40.7		28.3	42.5	
164	32.3		27.0	40.4	

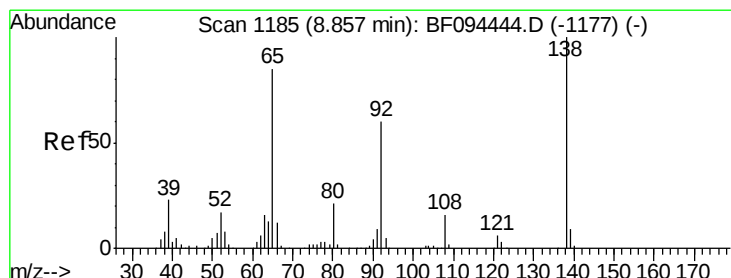
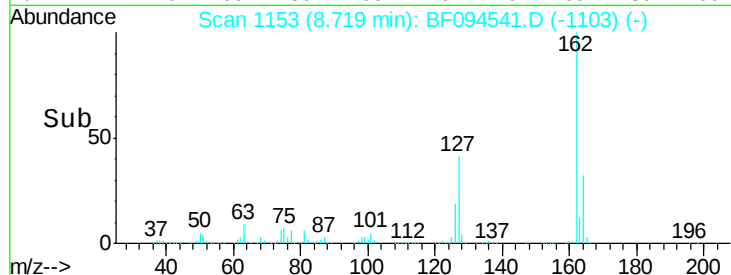
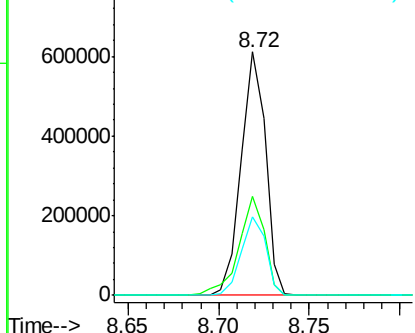
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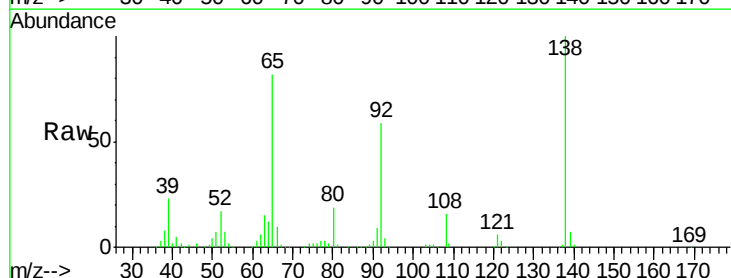


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

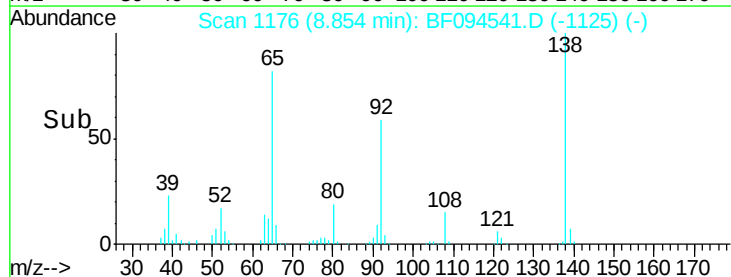
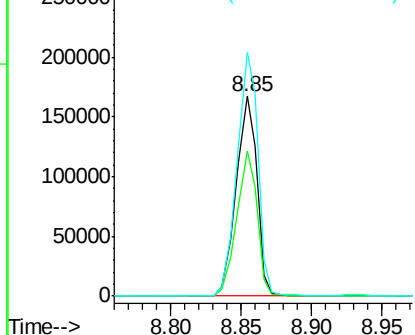


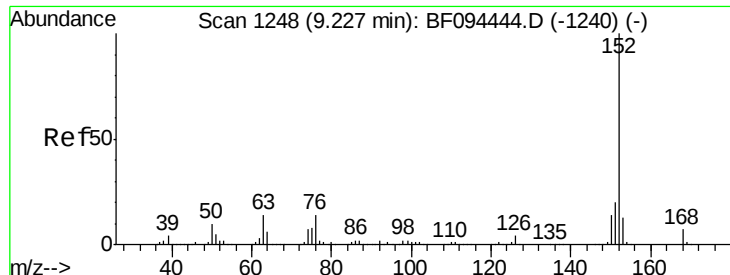
#47
2-Nitroaniline
Concen: 41.73 ng
RT: 8.85 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	72.3		53.9	80.9	
138	121.7		78.8	118.2	



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 39.30 ng

RT: 9.22 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

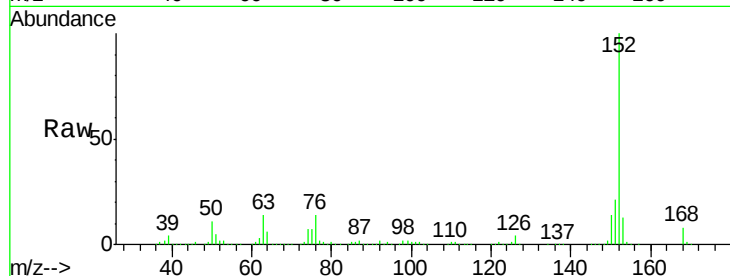
SB-9(18-20)20170418MS

Tot Ion:	152	Resp:	875806
Ion Ratio		Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.3	10.8	16.2

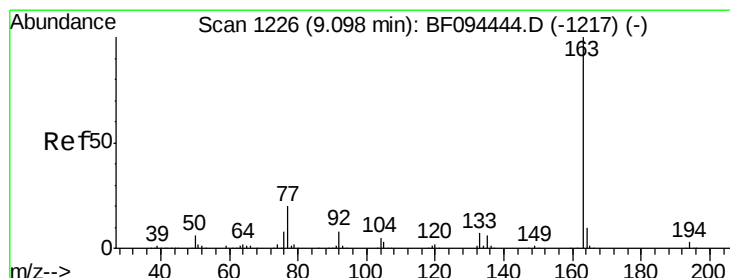
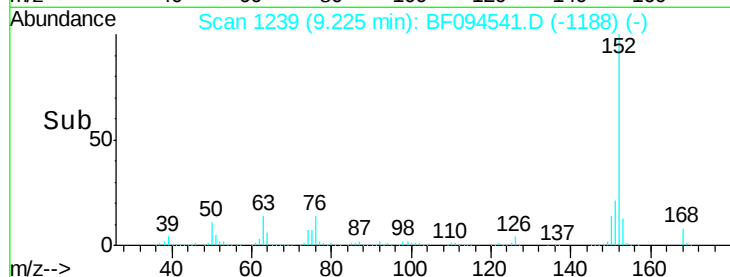
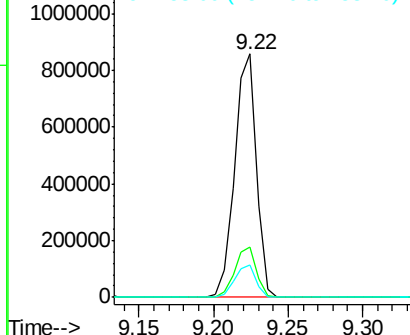
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 48.89 ng

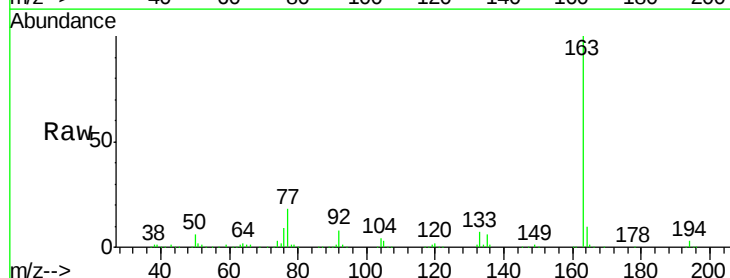
RT: 9.10 min Scan# 1218

Delta R.T. 0.00 min

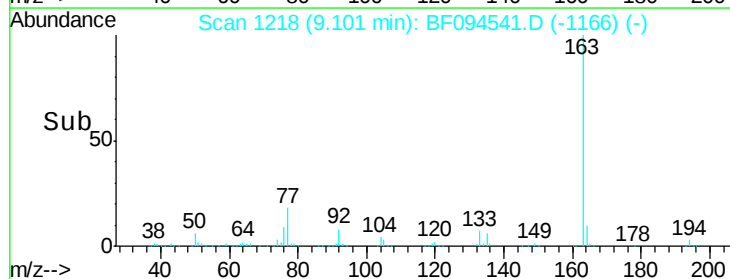
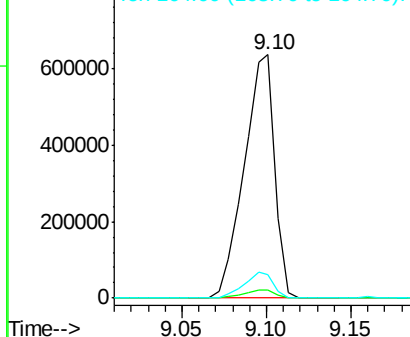
Lab File: BF094541.D

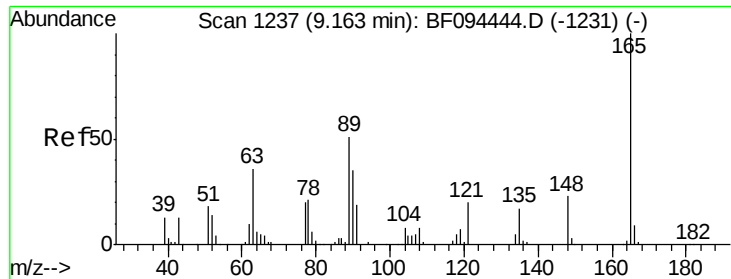
Acq: 20 Apr 2017 13:38

Tgt Ion:	163	Resp:	801616
Ion Ratio		Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.7	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50
2,6-Dinitrotoluene
Concen: 42.70 ng
RT: 9.16 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

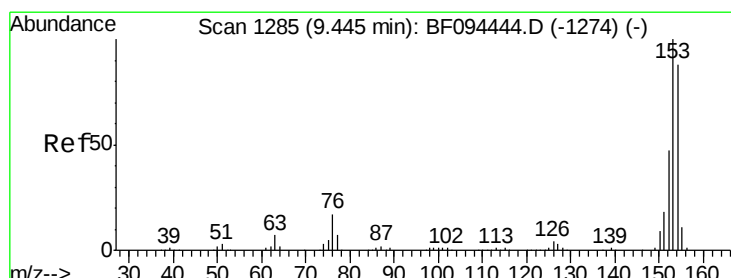
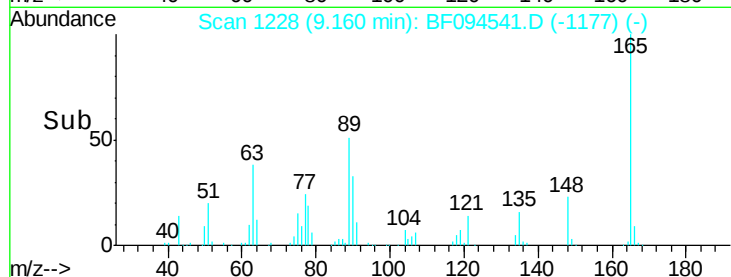
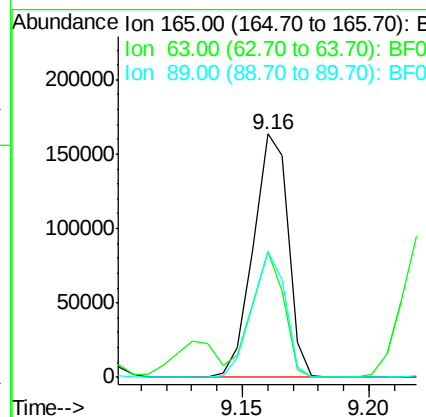
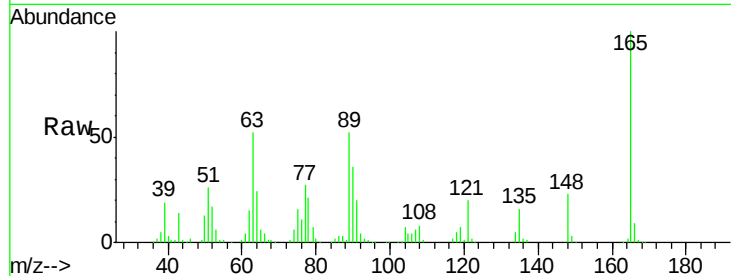
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	157163		
63	51.8	34.3	51.5#	
89	51.9	37.1	55.7	

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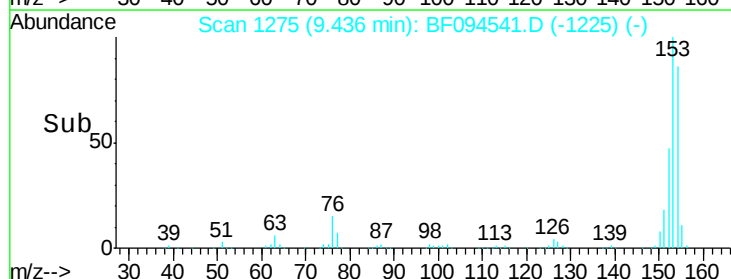
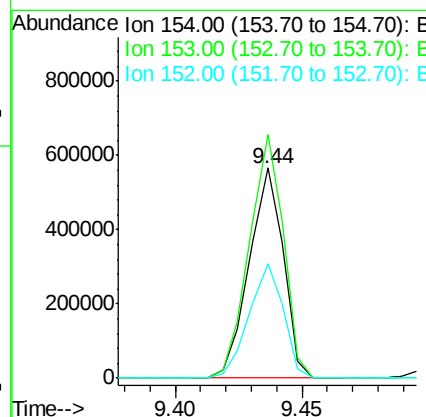
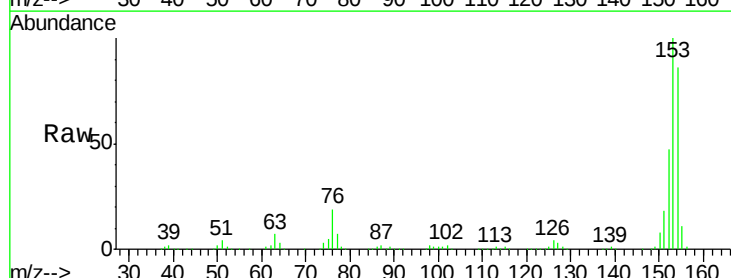
mohammad

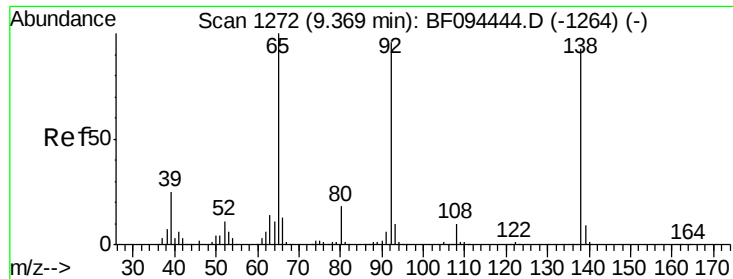
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#51
Acenaphthene
Concen: 39.71 ng
RT: 9.44 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	529971		
153	115.9	90.5	135.7	
152	54.5	43.6	65.4	





#52

3-Nitroaniline

Concen: 21.15 ng

RT: 9.36 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

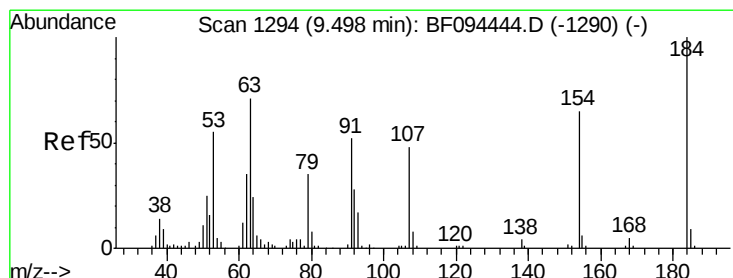
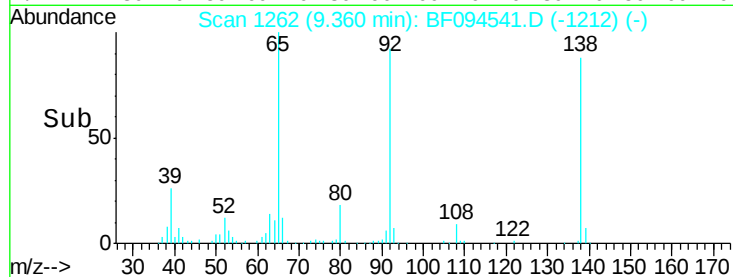
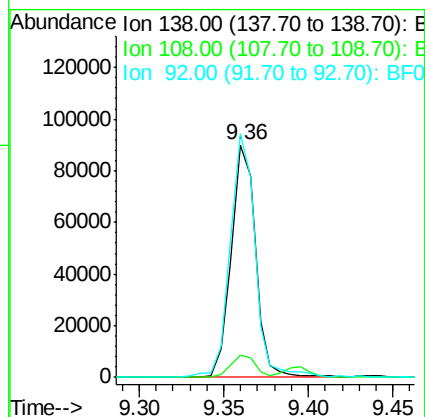
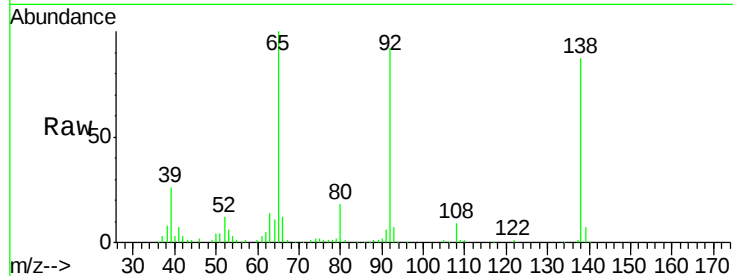
SB-9(18-20)20170418MS

Tot Ion:	138	Resp:	90067
Ion Ratio	Lower	Upper	
138	100		
108	9.8	9.1	13.7
92	104.7	93.8	140.6

Manual Integrations
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#53

2,4-Dinitrophenol

Concen: 32.01 ng

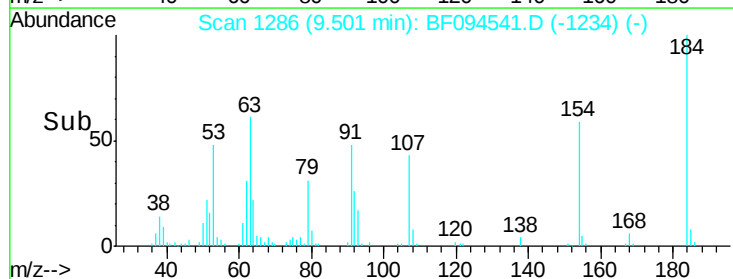
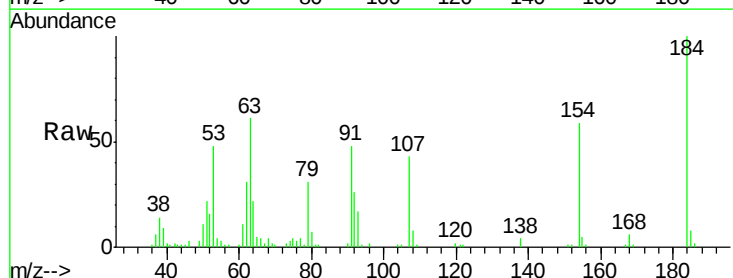
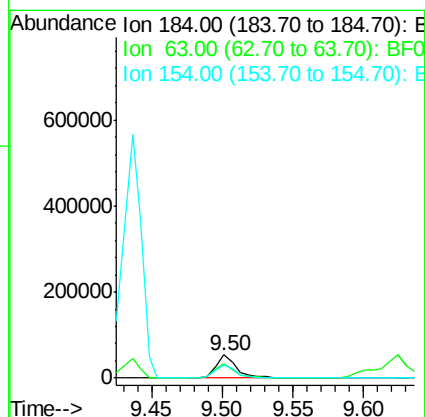
RT: 9.50 min Scan# 1286

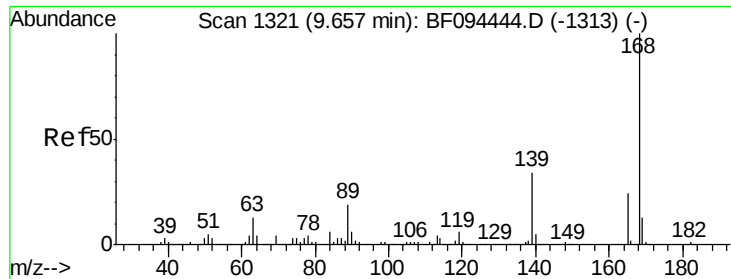
Delta R.T. 0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	184	Resp:	56493
Ion Ratio	Lower	Upper	
184	100		
63	61.0	62.7	94.1#
154	59.4	81.1	121.7#





#54
Dibenzenofuran
Concen: 40.74 ng
RT: 9.65 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

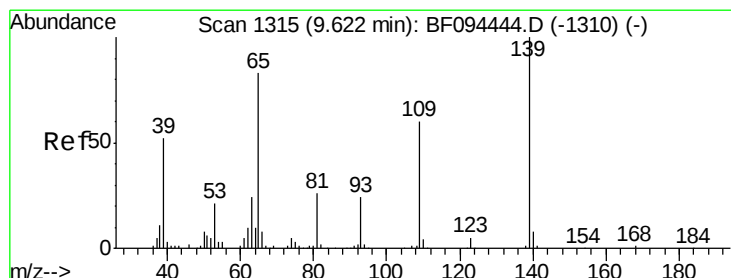
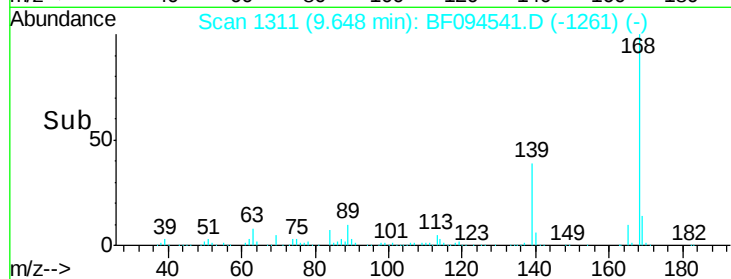
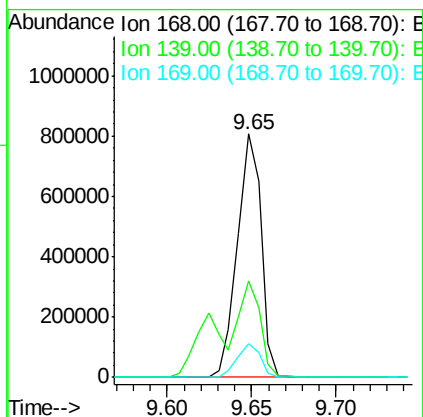
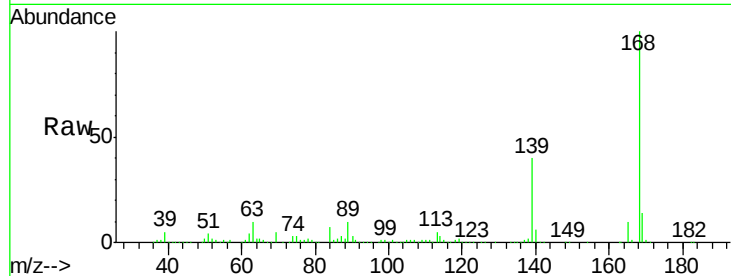
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	790215		
139	39.6		30.6	45.8
169	14.1		10.8	16.2

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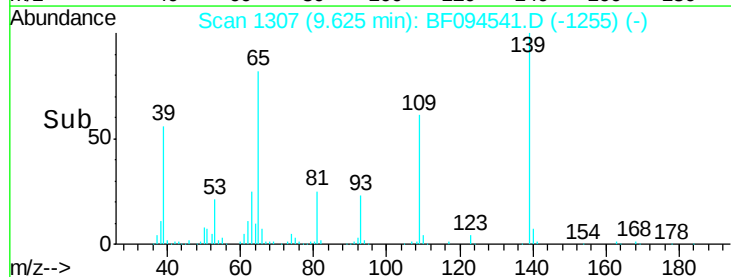
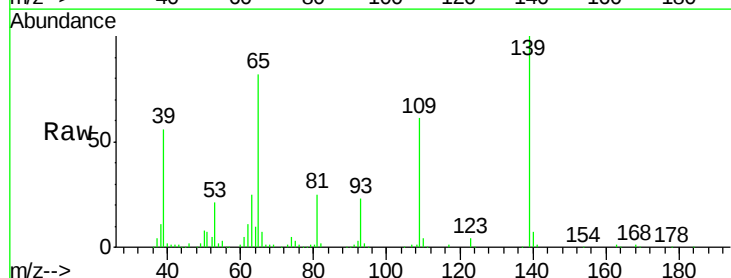
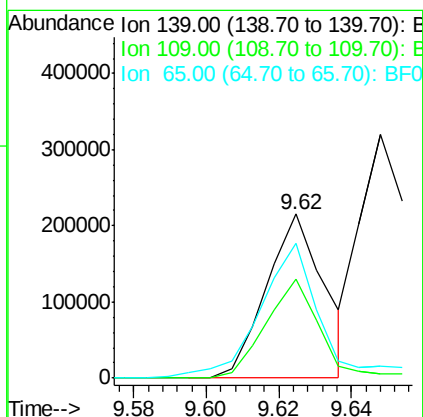
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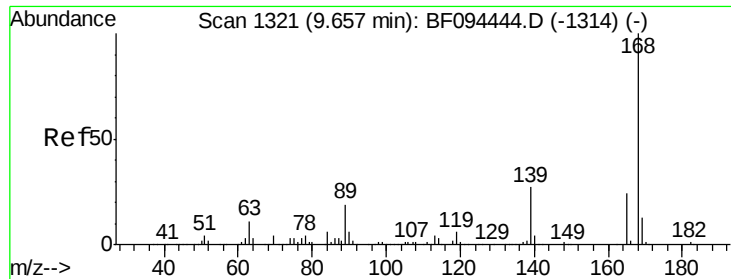
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#55
4-Nitrophenol
Concen: 79.40 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	238856		
109	60.6		34.1	74.1
65	81.9		31.4	71.4#





#56
2,4-Dinitrotoluene
Concen: 44.10 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

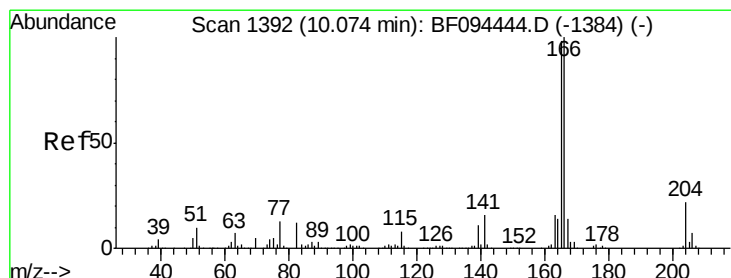
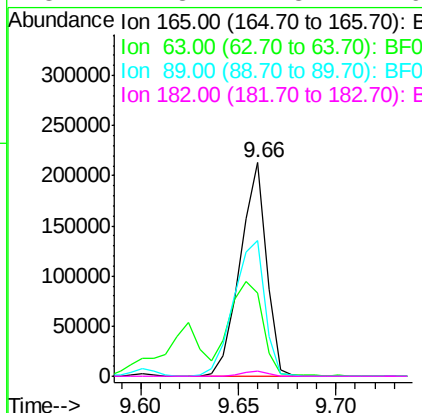
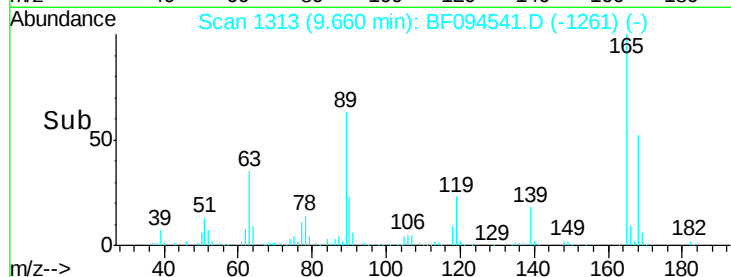
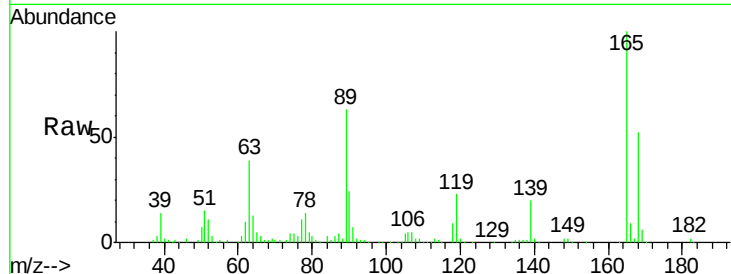
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	39.1	25.4	38.0#	
89	63.2	46.4	69.6	
182	2.3	1.8	2.6	

Manual Integrations
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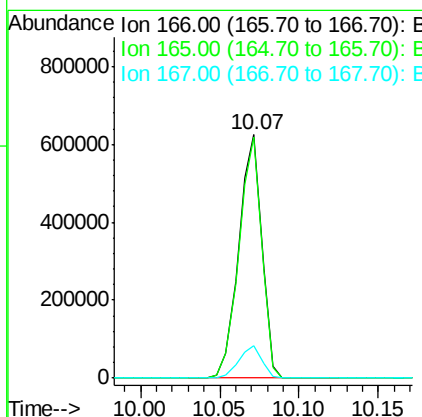
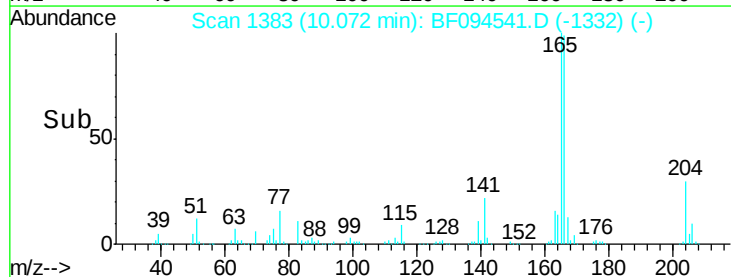
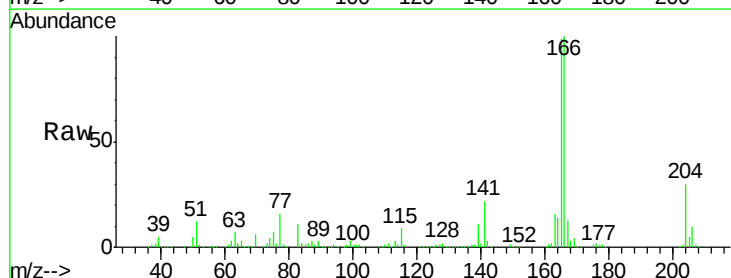
mohammad

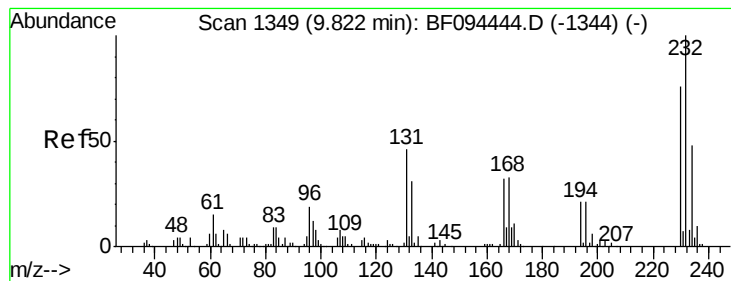
4/21/2017 11:35:59 AM



#57
Fluorene
Concen: 41.37 ng
RT: 10.07 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.1	78.8	118.2	
167	13.2	10.6	16.0	





#58

2,3,4,6-Tetrachlorophenol

Concen: 42.73 ng

RT: 9.81 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

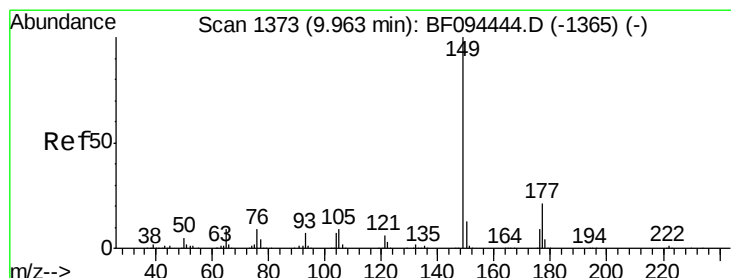
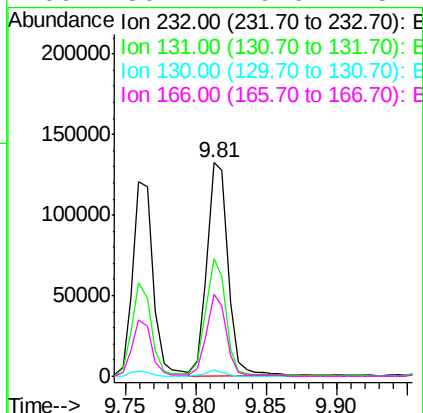
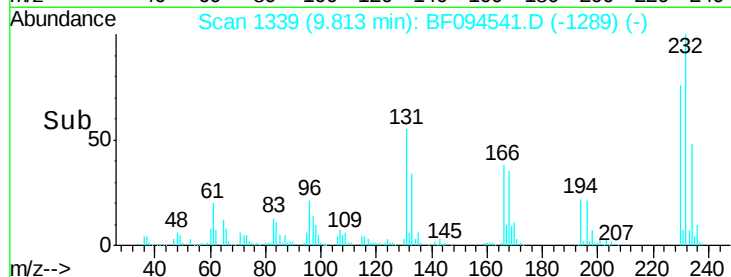
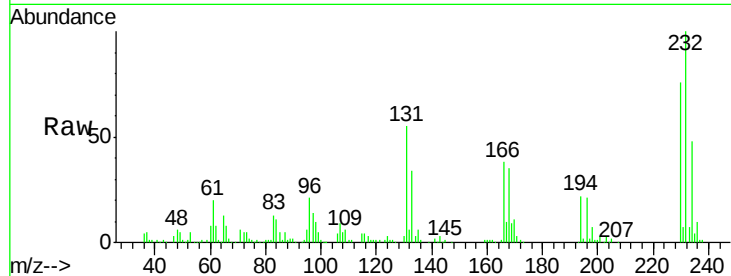
SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	138398		
131	53.2		44.8	67.2
130	2.4		2.3	3.5
166	36.2		29.0	43.4

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#59

Diethylphthalate

Concen: 43.16 ng

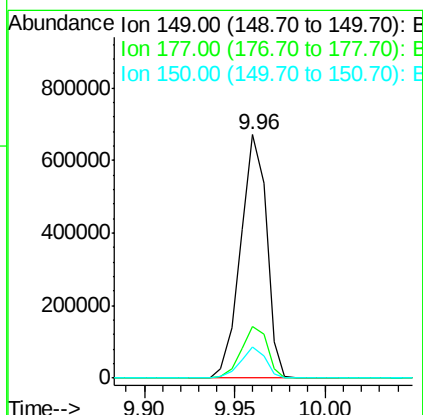
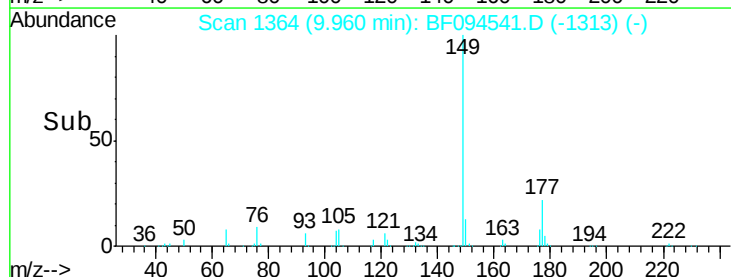
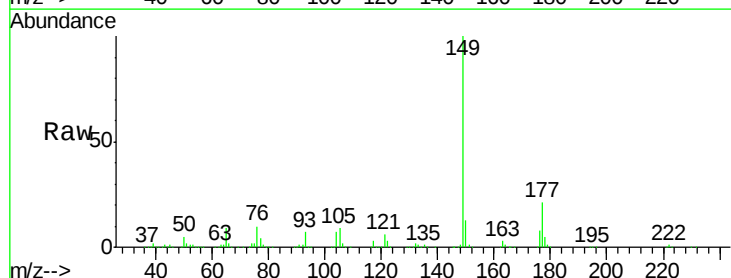
RT: 9.96 min Scan# 1364

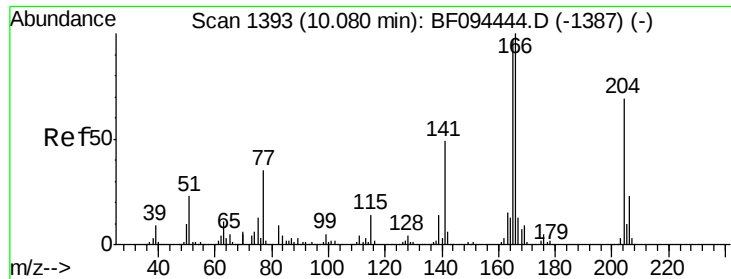
Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	667712		
177	21.4		16.7	25.1
150	13.0		10.2	15.2





#60
4-Chlorophenyl-phenylether
Concen: 42.87 ng
RT: 10.08 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

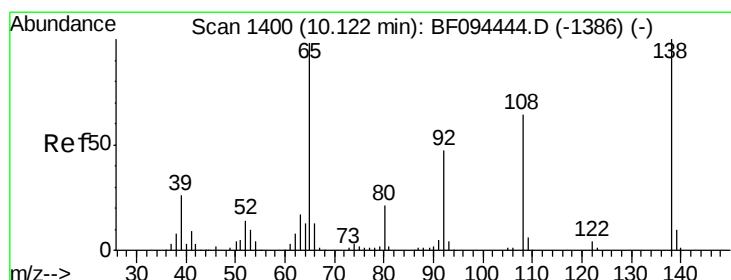
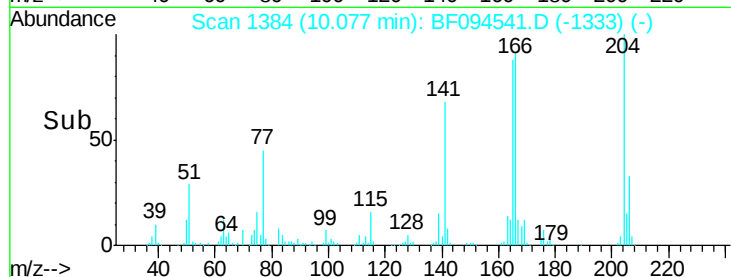
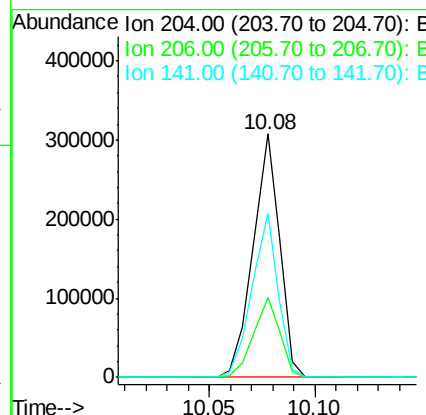
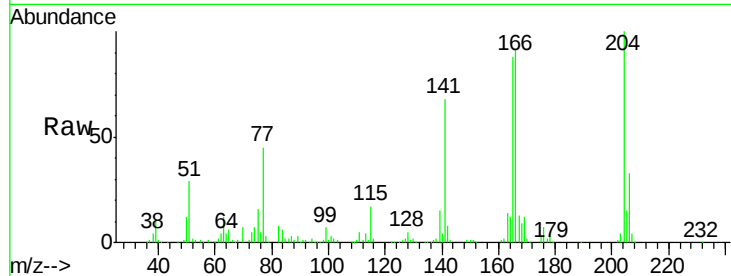
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	67.6	60.8	91.2

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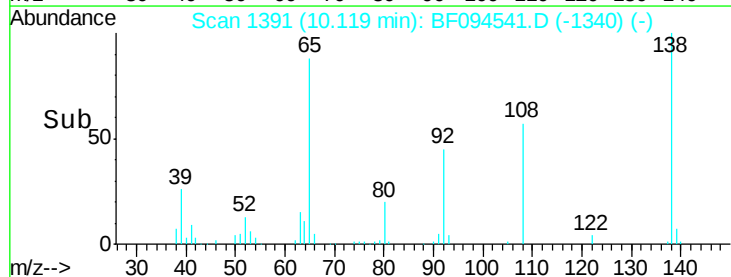
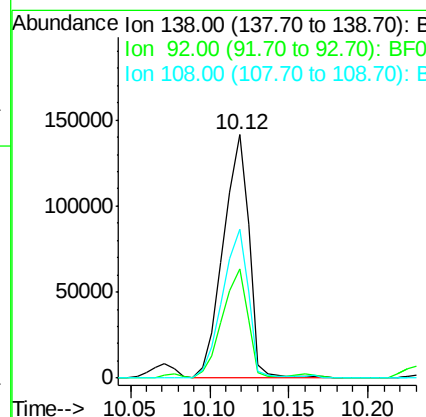
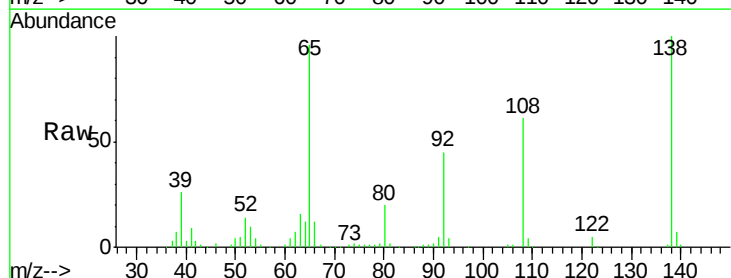
mohammad

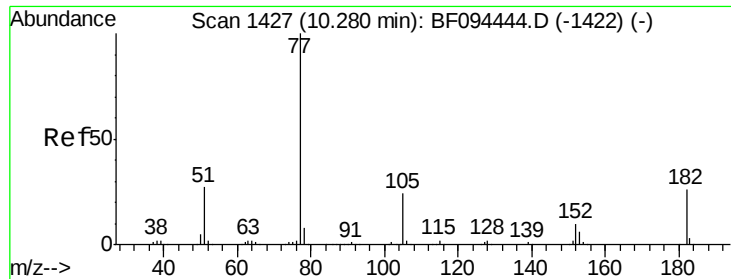
4/21/2017 11:35:59 AM



#61
4-Nitroaniline
Concen: 36.76 ng
RT: 10.12 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.8	21.8	61.8
108	61.0	42.3	82.3





#62

Azobenzene

Concen: 42.38 ng

RT: 10.27 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

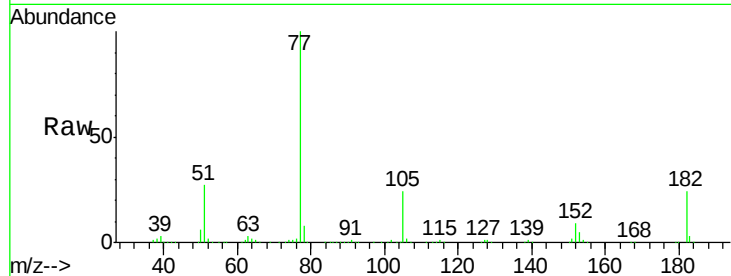
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		636655		
182	24.0	0.1	40.1		
105	24.1	3.6	43.6		
51	27.5	9.4	49.4		

Manual Integrations
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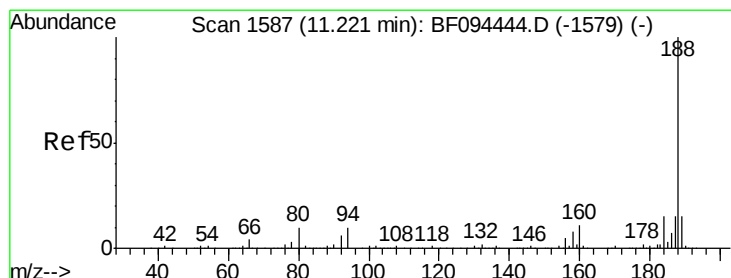
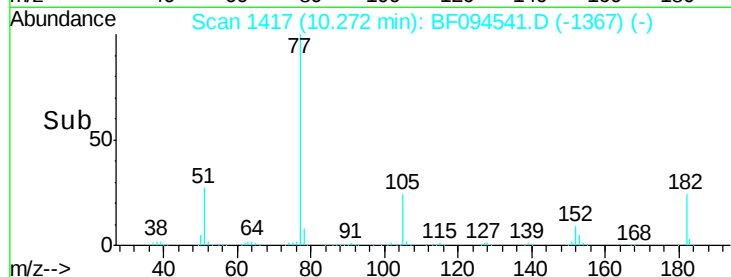
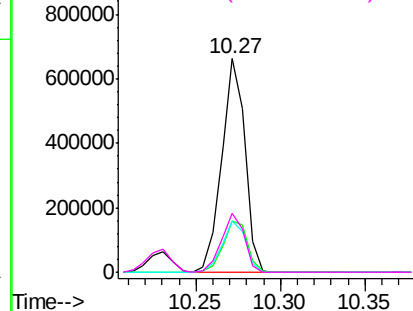


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

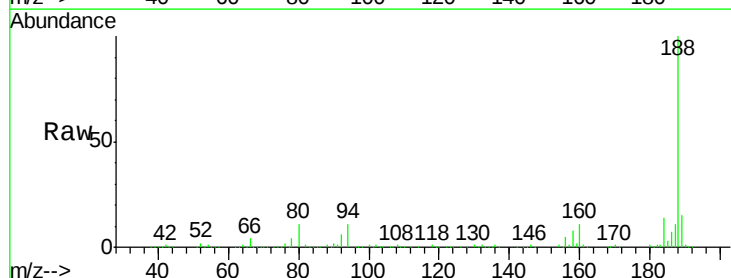
RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

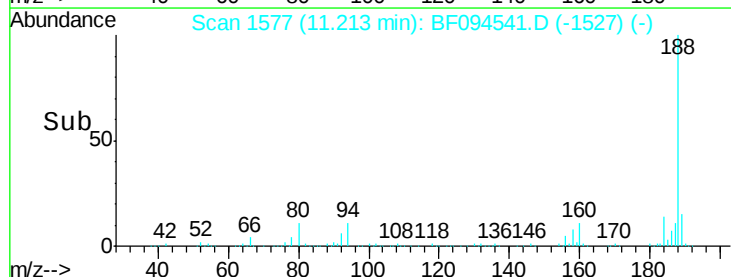
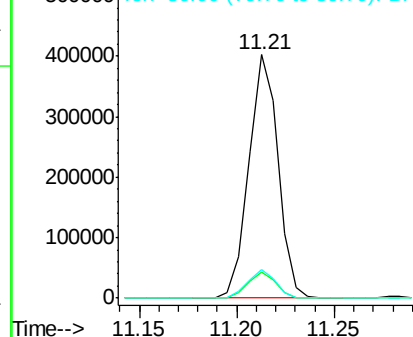
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		415096		
94	10.7	9.4	14.2		
80	11.5	10.2	15.2		

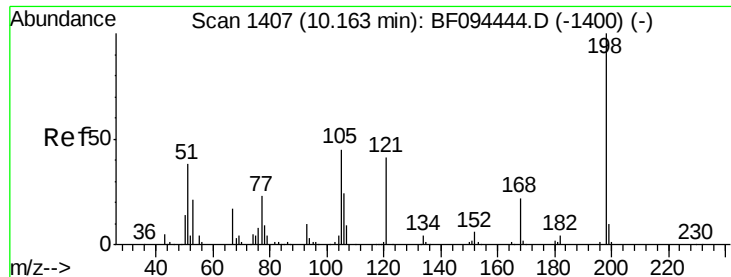


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64
 4,6-Dinitro-2-methylphenol
 Concen: 32.86 ng
 RT: 10.16 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

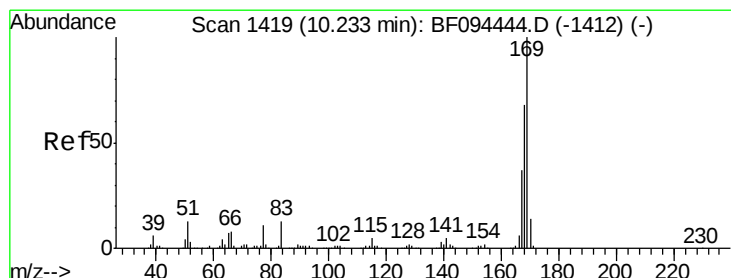
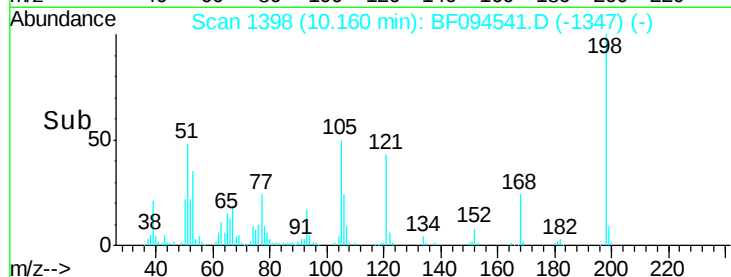
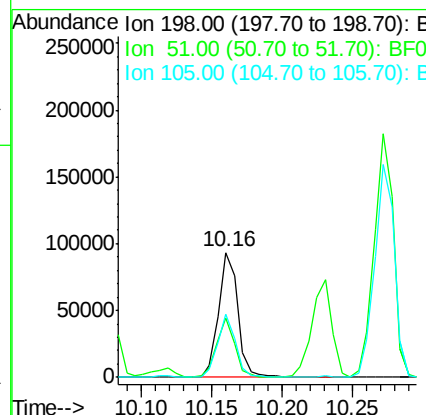
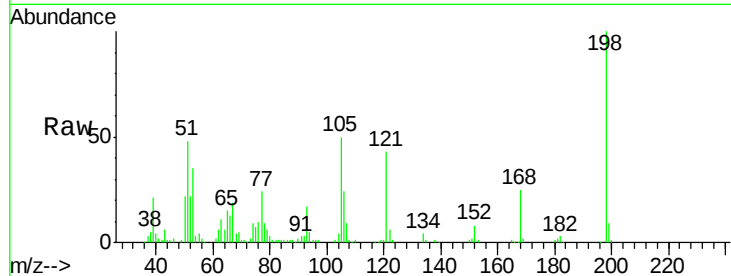
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.7	53.2	93.2#
105	50.2	45.8	85.8

Manual Integrations
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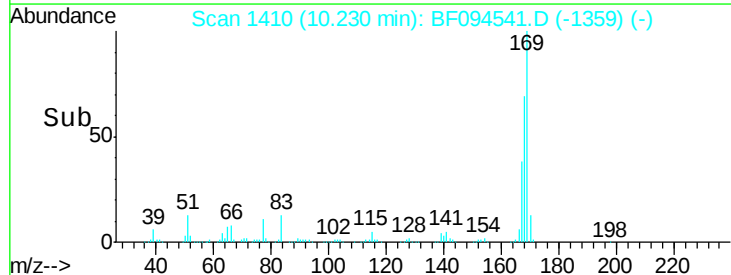
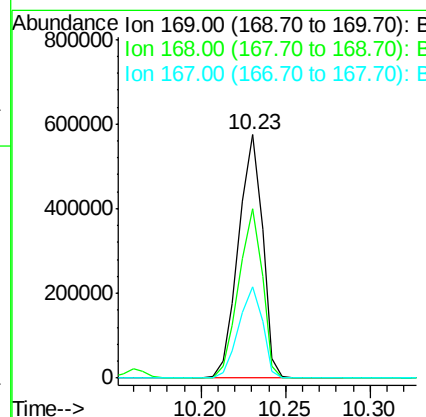
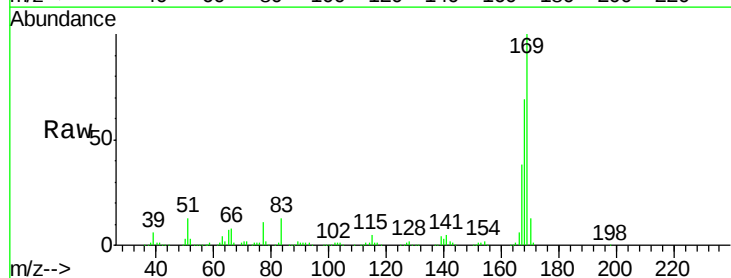
mohammad

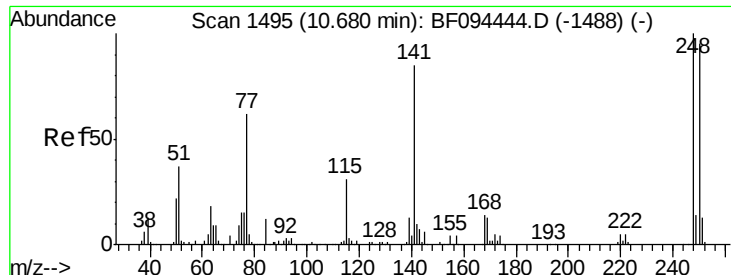
4/21/2017 11:35:59 AM



#65
 n-Nitrosodiphenylamine
 Concen: 39.54 ng
 RT: 10.23 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.3	53.2	79.8
167	37.6	29.5	44.3





#66
 4-Bromophenyl-phenylether
 Concen: 40.39 ng
 RT: 10.67 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

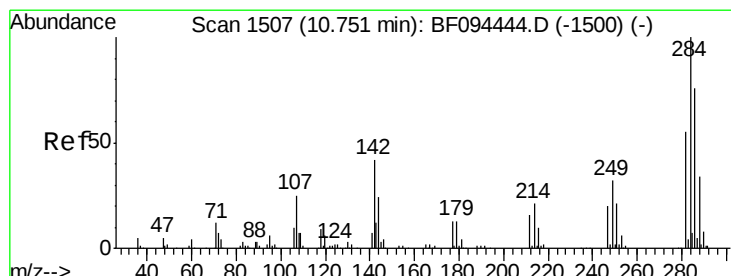
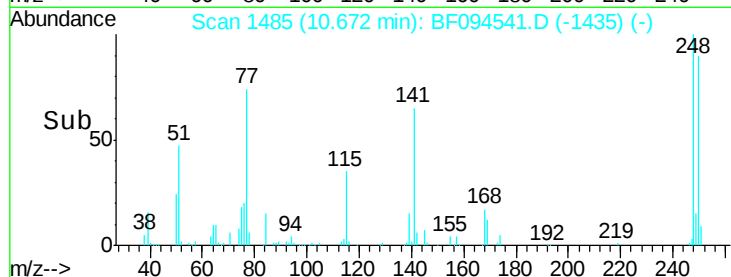
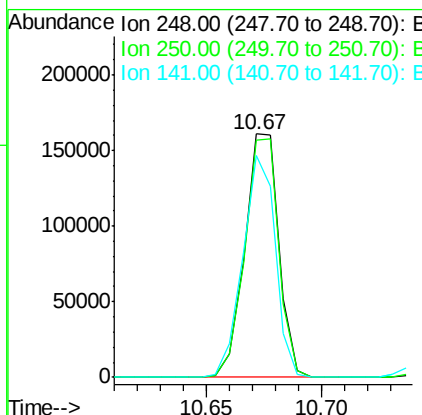
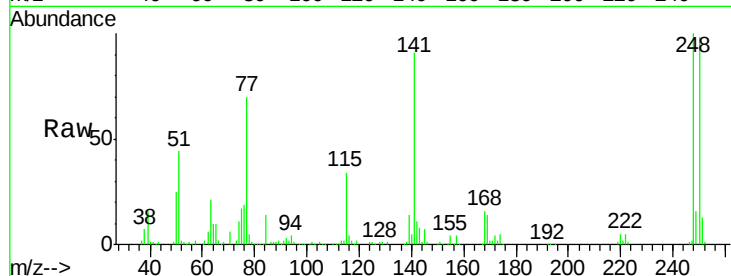
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.8	115.2
141	91.2	68.6	103.0

Manual Integrations
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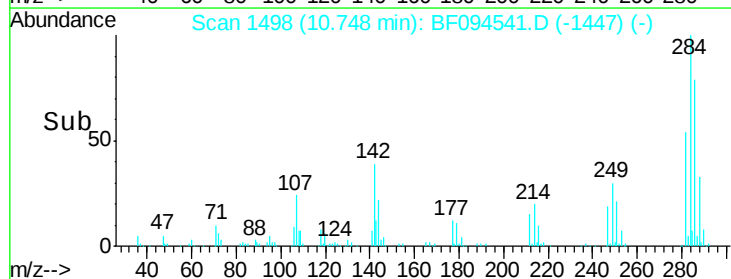
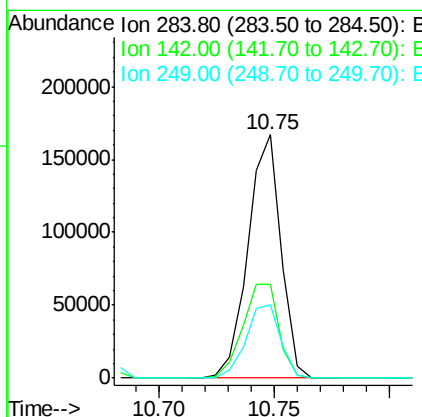
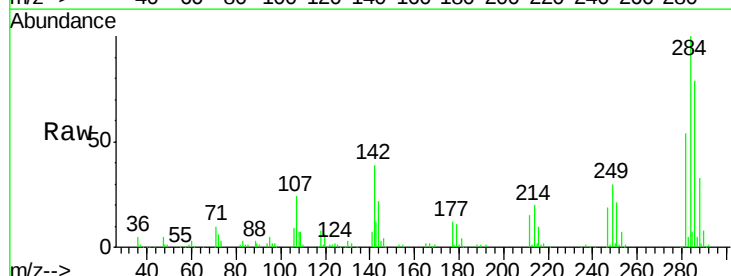
mohammad

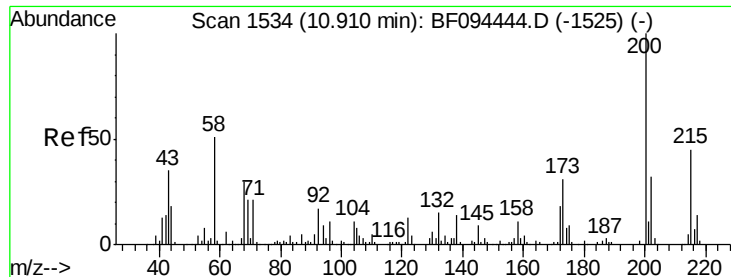
4/21/2017 11:35:59 AM



#67
 Hexachlorobenzene
 Concen: 40.02 ng
 RT: 10.75 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.7	22.8	34.2#
249	29.9	24.0	36.0





#68
 Atrazine
 Concen: 40.79 ng
 RT: 10.91 min Scan# 1525
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

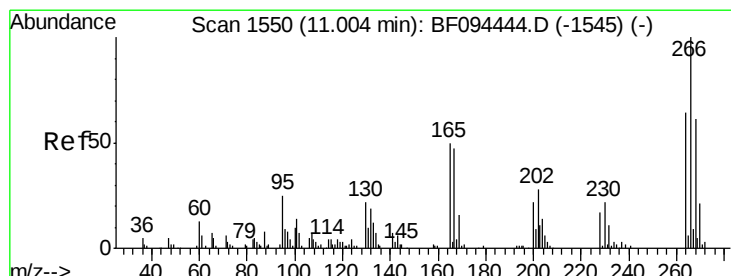
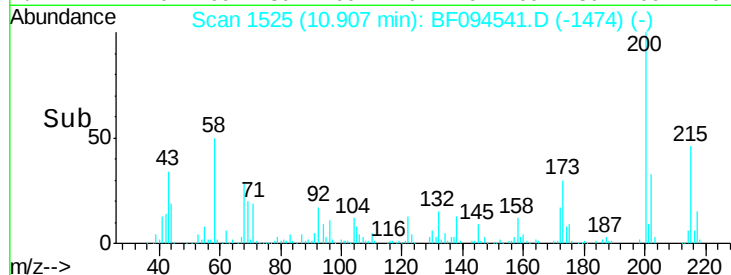
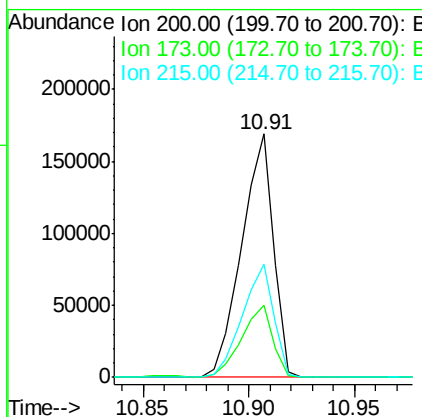
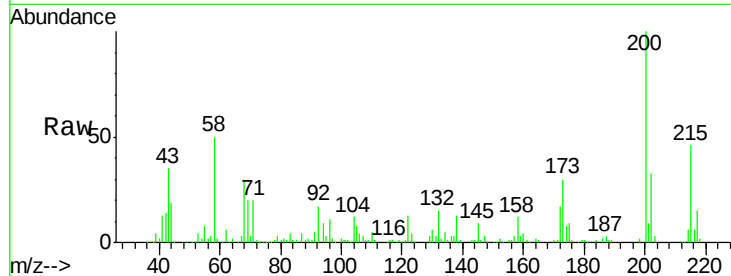
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.6	6.3	46.3
215	46.3	27.2	67.2

Manual Integrations
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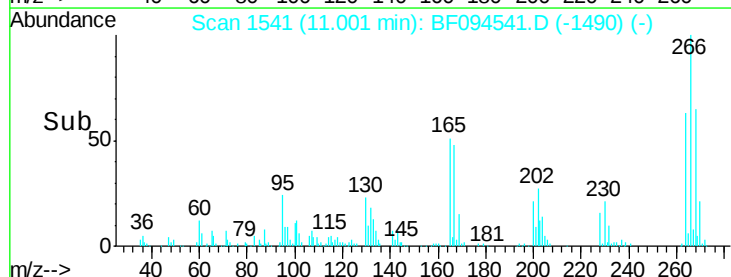
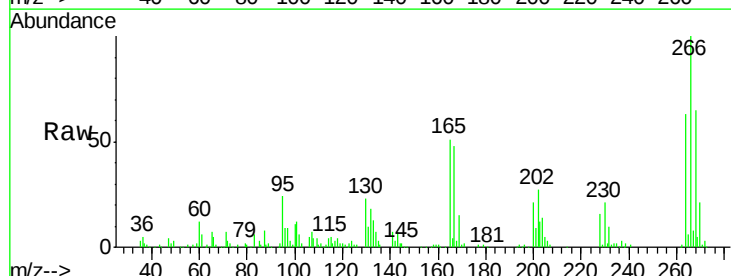
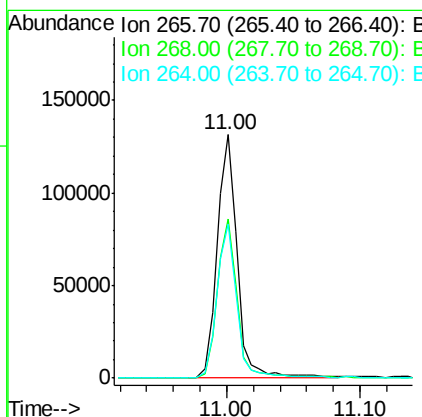
mohammad

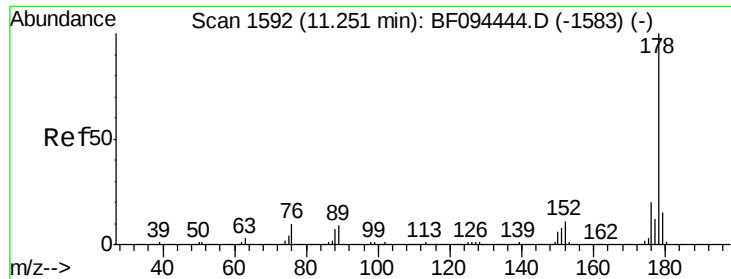
4/21/2017 11:35:59 AM



#69
 Pentachlorophenol
 Concen: 84.86 ng
 RT: 11.00 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF094541.D
 Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.2	51.1	76.7
264	63.1	51.7	77.5





#70
Phenanthrene
Concen: 39.59 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

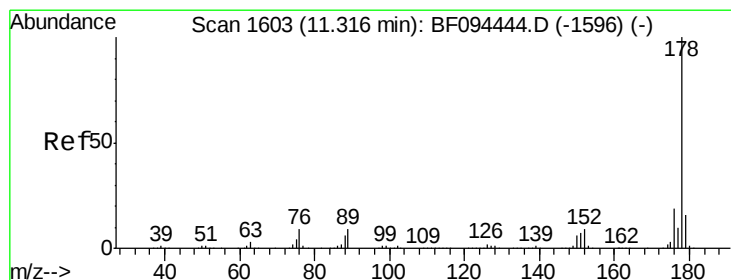
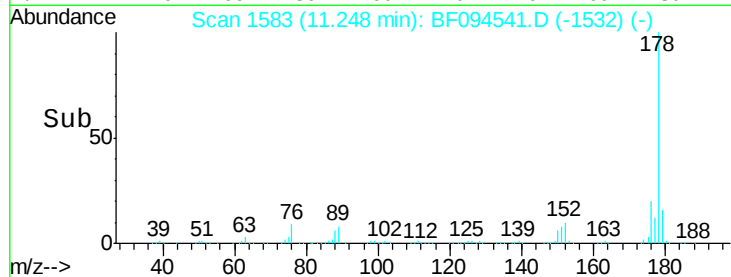
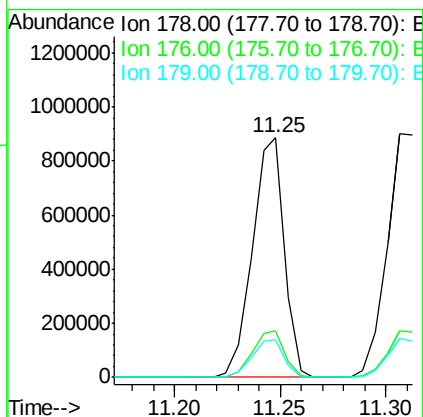
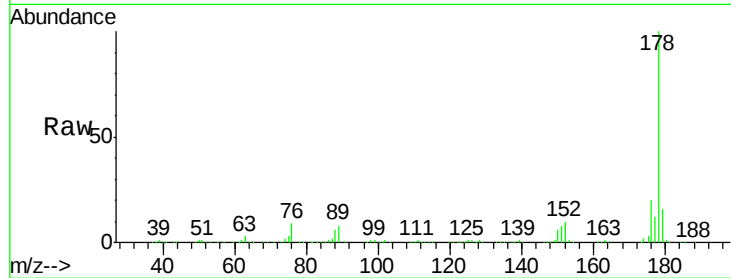
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	15.6	12.6	19.0

Manual Integrations
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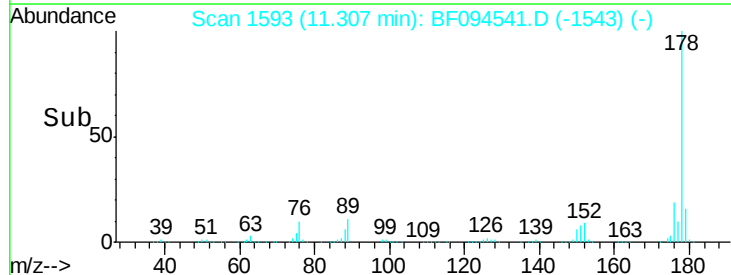
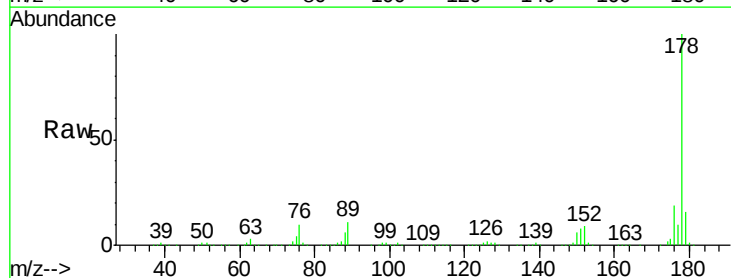
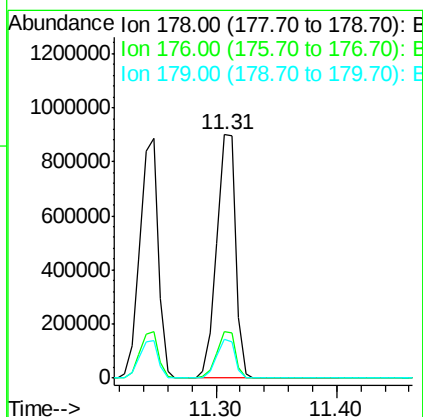
mohammad

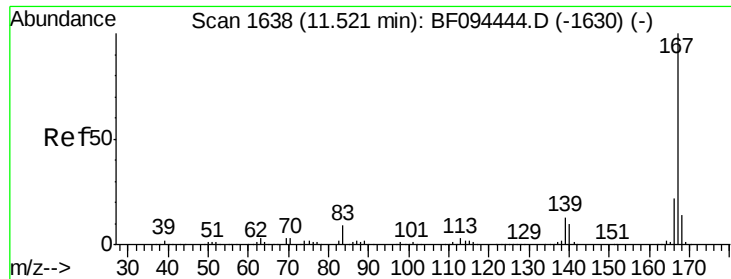
4/21/2017 11:35:59 AM



#71
Anthracene
Concen: 39.97 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	12.7	19.1





#72

Carbazole

Concen: 39.97 ng

RT: 11.52 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

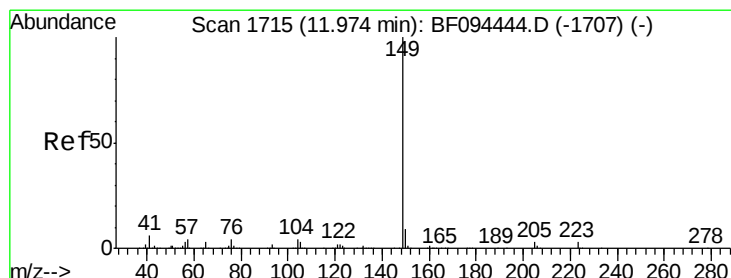
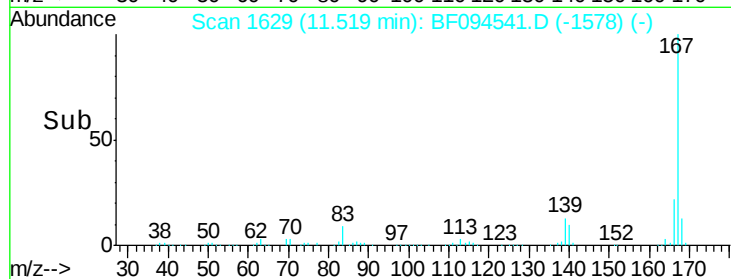
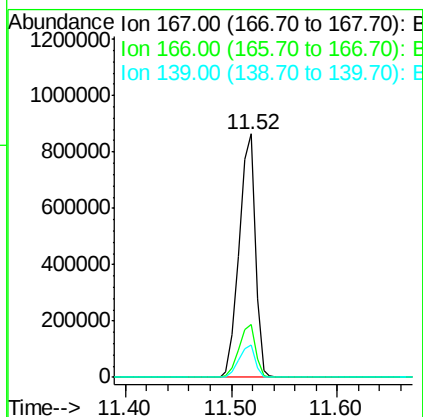
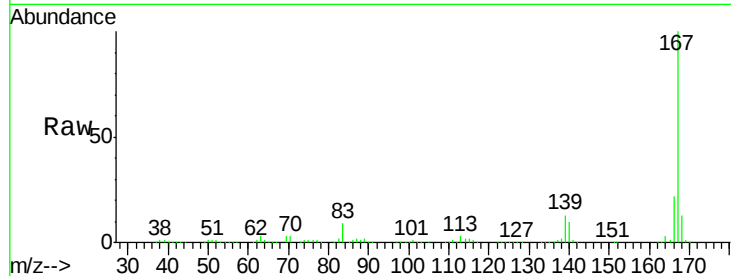
SB-9(18-20)20170418MS

Tot Ion:	167	Resp:	907088
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.1	27.1
139	13.1	11.7	17.5

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 45.22 ng

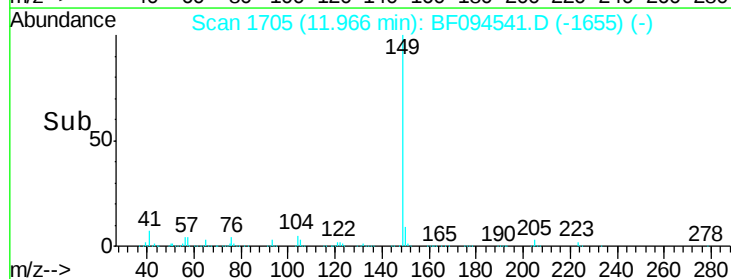
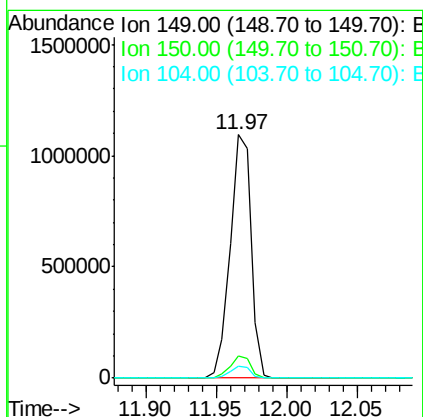
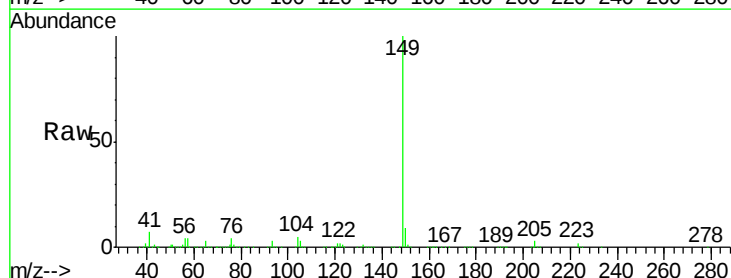
RT: 11.97 min Scan# 1705

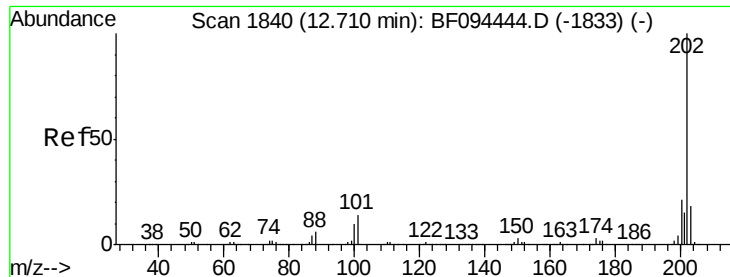
Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	149	Resp:	1129872
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.7	11.5
104	4.6	4.0	6.0





#74

Fluoranthene

Concen: 41.06 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

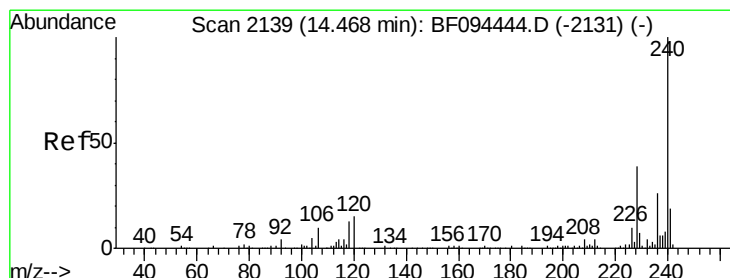
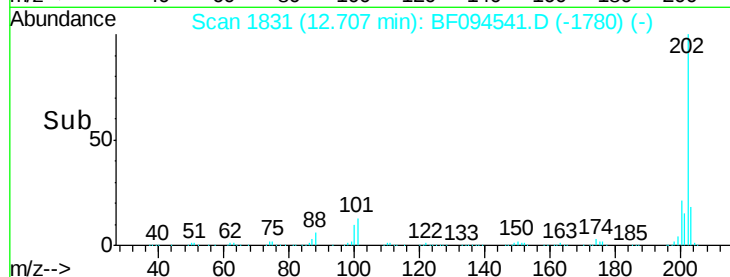
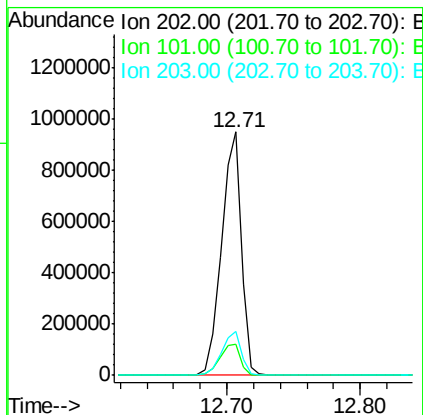
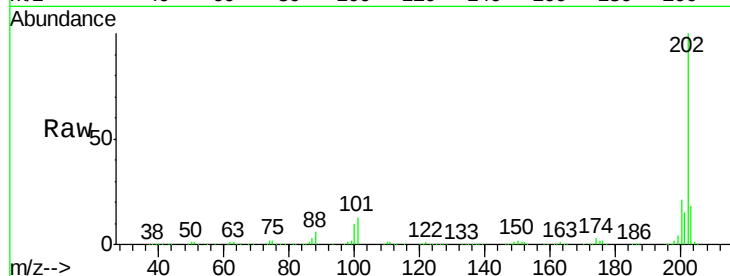
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		994711		
101	12.7	0.0	33.2		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

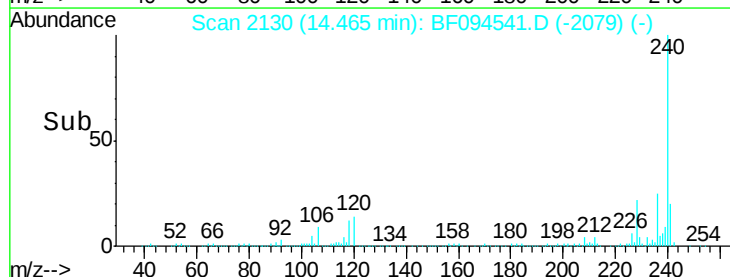
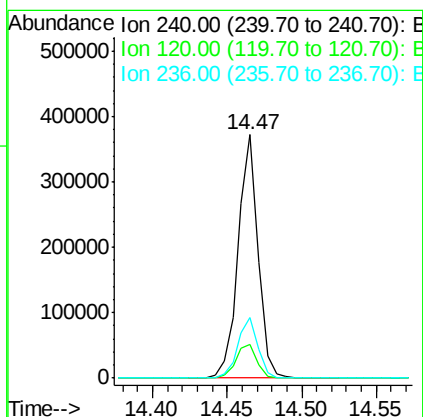
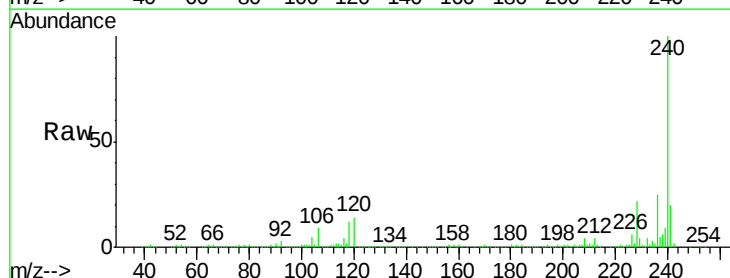
RT: 14.47 min Scan# 2130

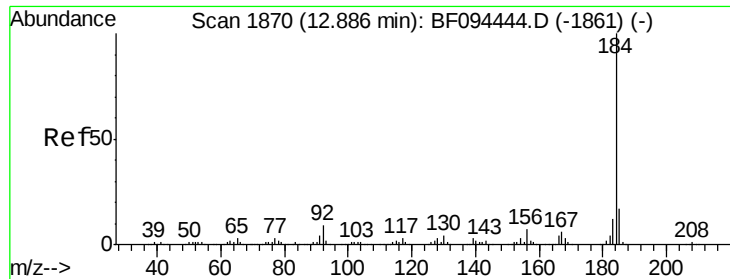
Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		348168		
120	13.7	5.8	8.8#		
236	25.1	20.5	30.7		





#76
Benzidine
Concen: 13.40 ng
RT: 12.88 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

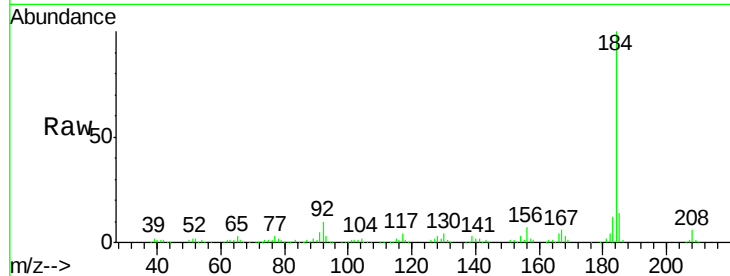
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	13.7	15.5	23.3#
183	12.2	9.8	14.6

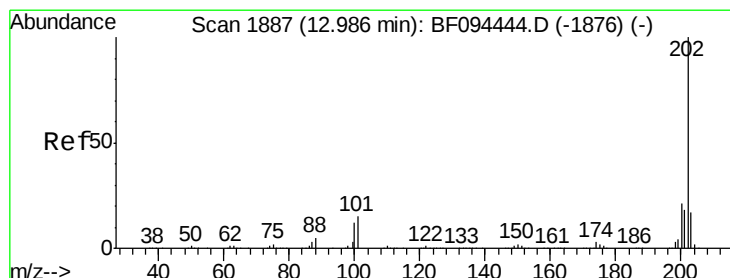
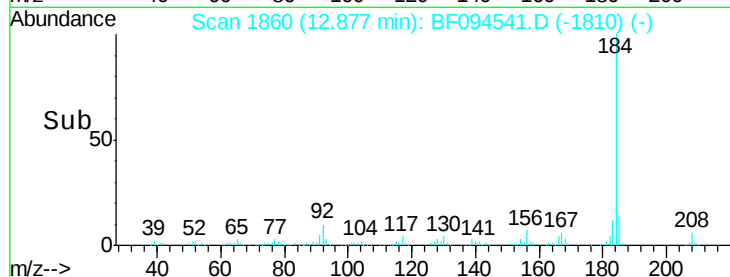
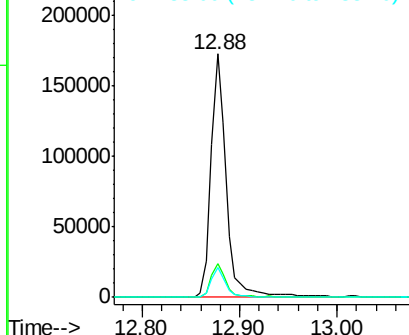
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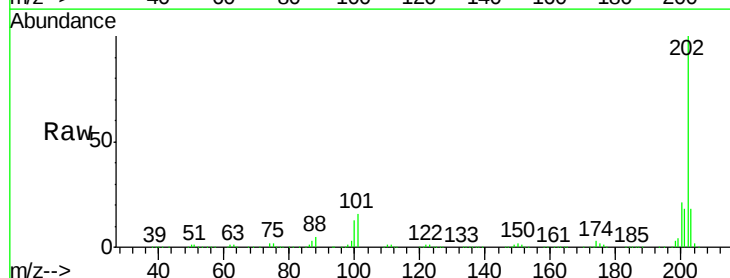


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

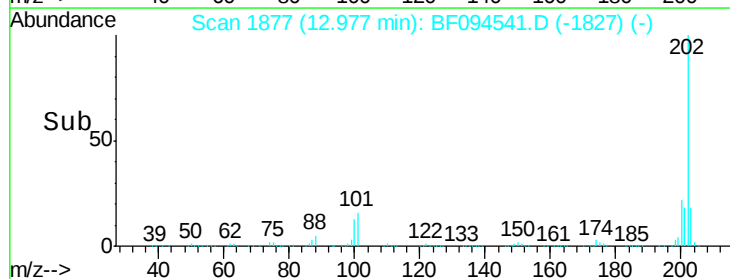
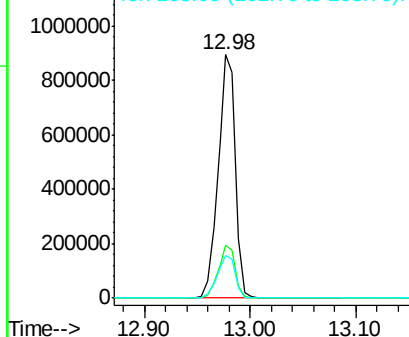


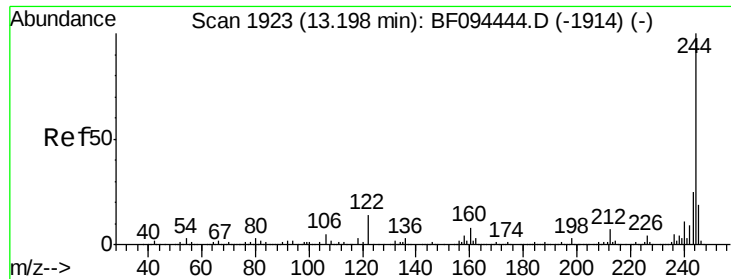
#77
Pyrene
Concen: 41.95 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.7	14.4	21.6



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: 86.49 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MS

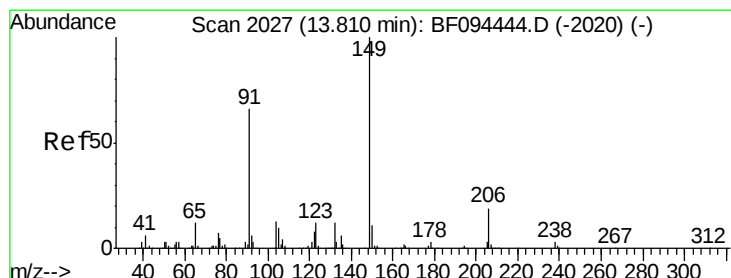
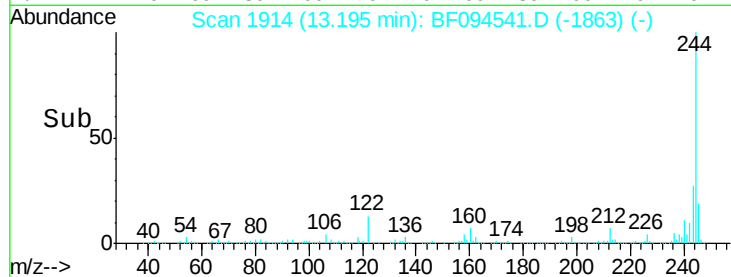
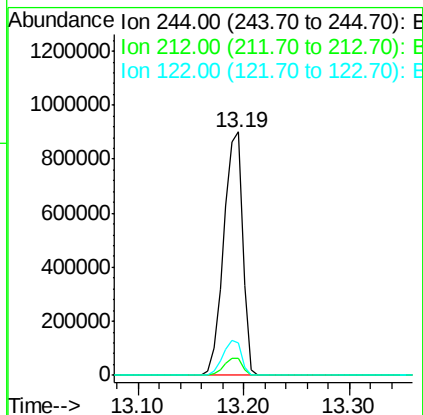
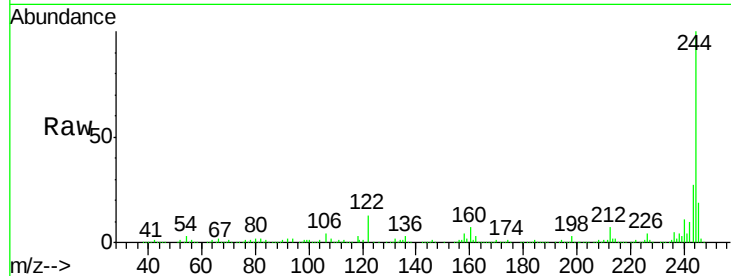
Tot Ion:244 Resp: 1126552

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.2	10.3	15.5

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#79

Butylbenzylphthalate

Concen: 46.25 ng

RT: 13.80 min Scan# 2017

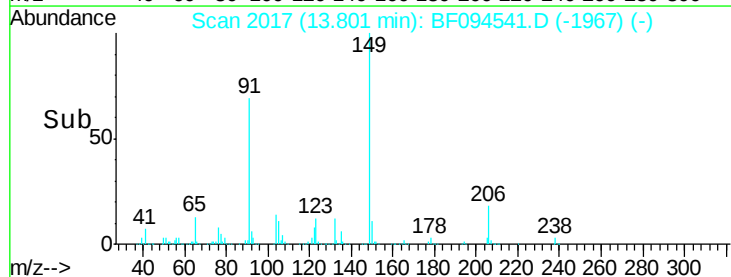
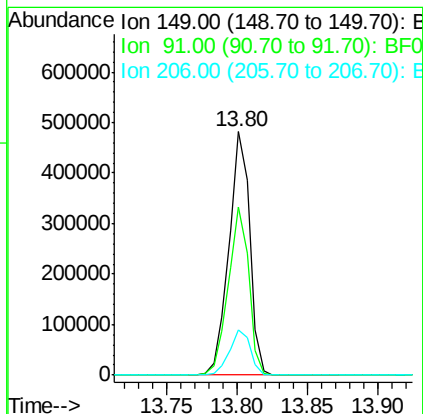
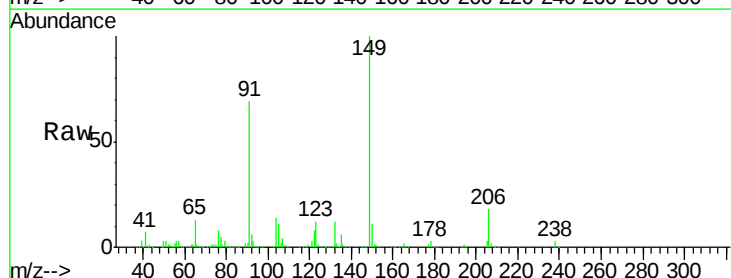
Delta R.T. -0.01 min

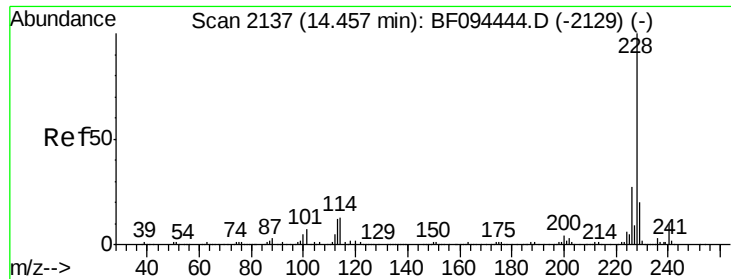
Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:149 Resp: 493045

Ion	Ratio	Lower	Upper
149	100		
91	69.3	45.0	67.4#
206	18.5	17.0	25.6





#80
Benzo(a)anthracene
Concen: 40.70 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

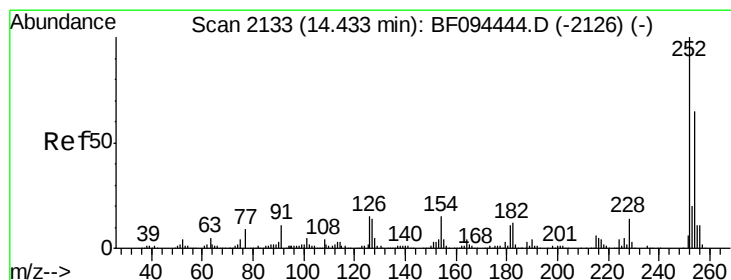
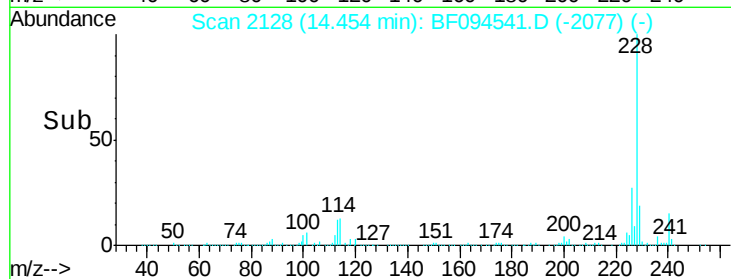
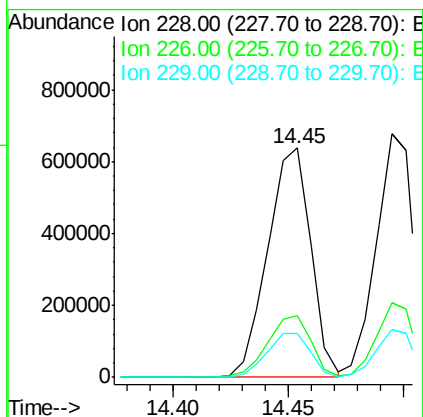
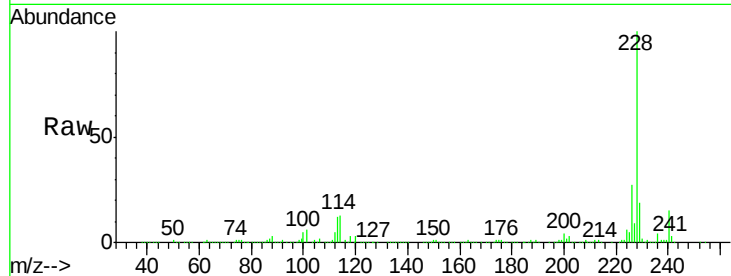
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.3	16.3	24.5

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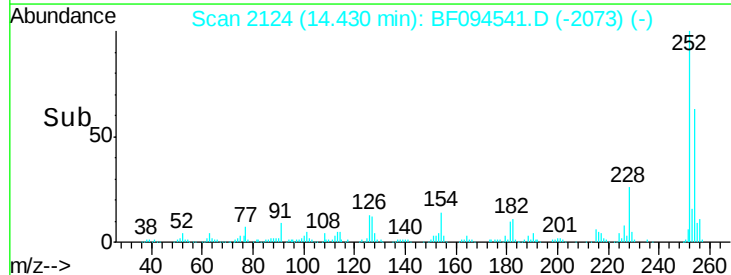
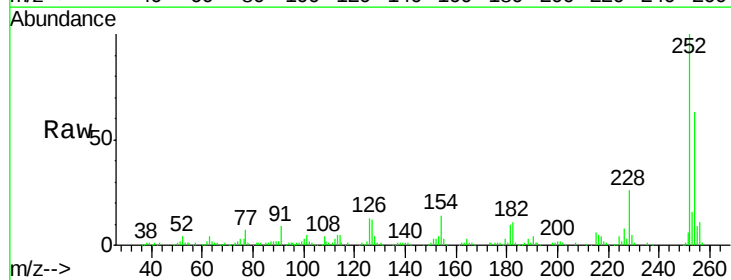
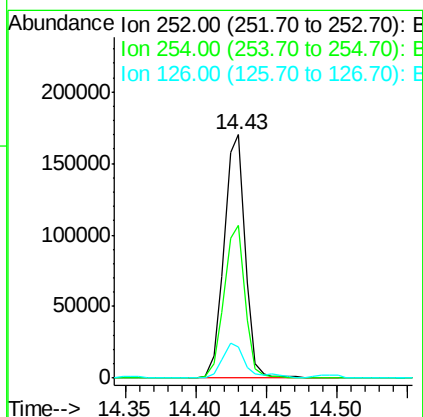
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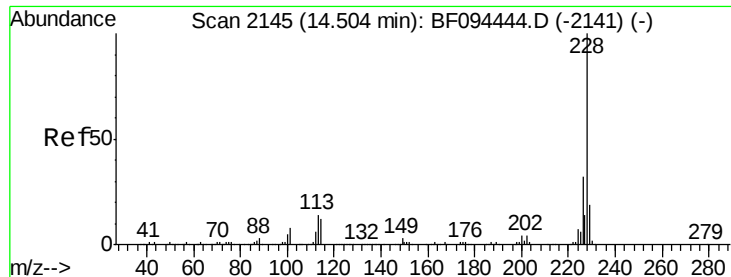
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#81
3,3'-Dichlorobenzidine
Concen: 24.68 ng
RT: 14.43 min Scan# 2124
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.6	51.5	77.3
126	12.9	15.8	23.8#





#82

Chrysene

Concen: 40.79 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

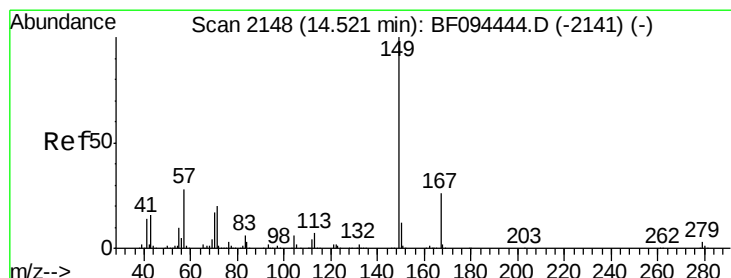
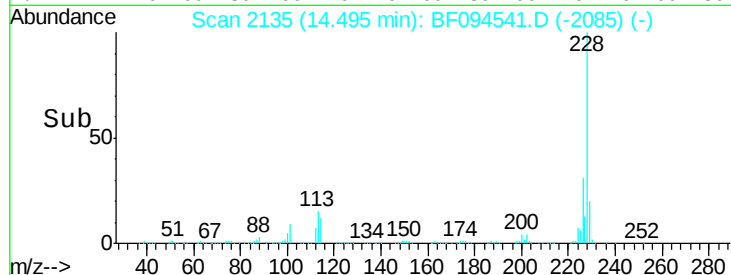
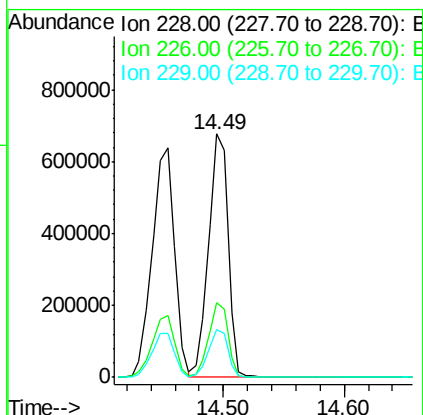
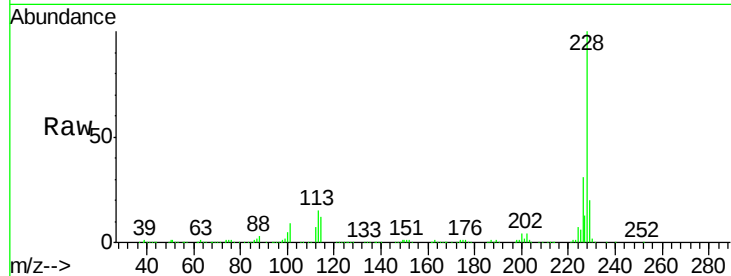
SB-9(18-20)20170418MS

Tot Ion:	228	Resp:	754465
Ion Ratio		Lower	Upper
228	100		
226	30.5	24.9	37.3
229	19.6	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 50.43 ng

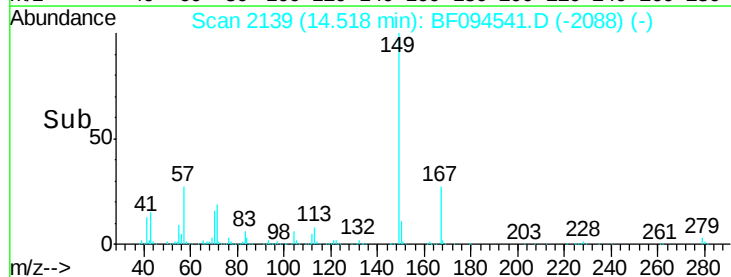
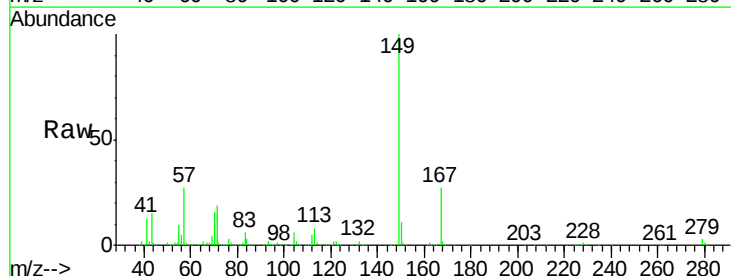
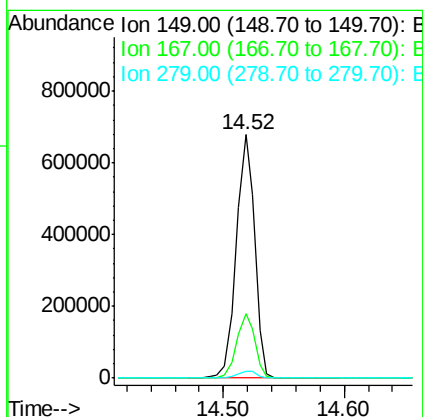
RT: 14.52 min Scan# 2139

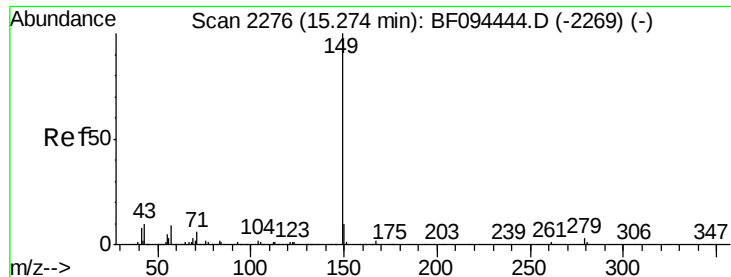
Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	149	Resp:	721853
Ion Ratio		Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.0	1.9	2.9#





#84

Di-n-octyl phthalate

Concen: 44.17 ng

RT: 15.27 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Instrument :

BNA_F

ClientSampleId :

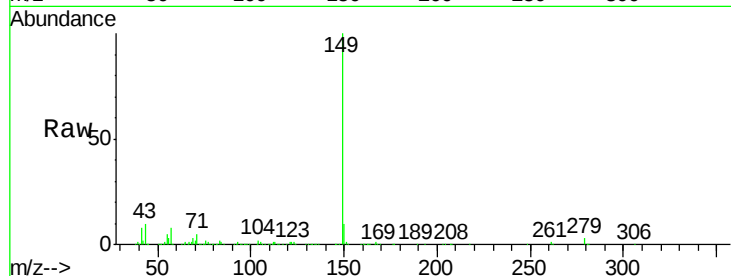
SB-9(18-20)20170418MS

Tot Ion:	149	Resp:	1060590
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.2	8.5	12.7

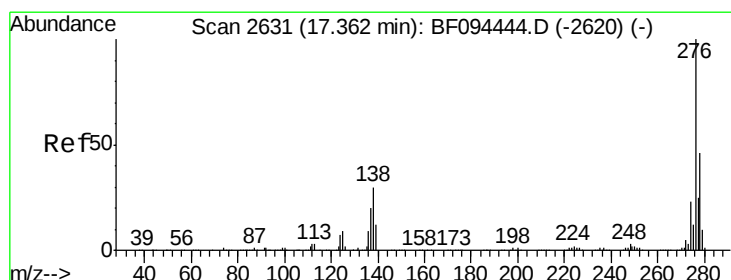
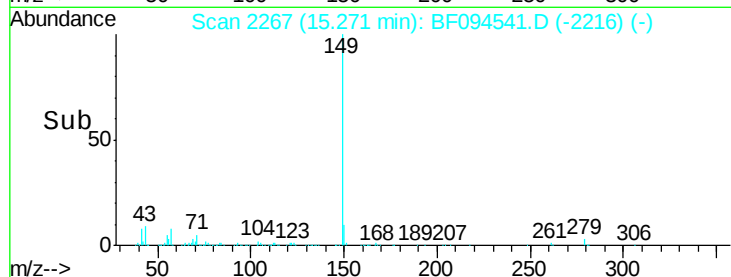
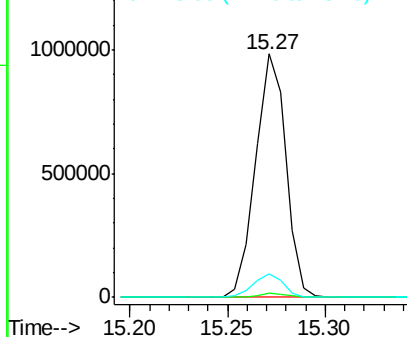
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 35.71 ng

RT: 17.36 min Scan# 2622

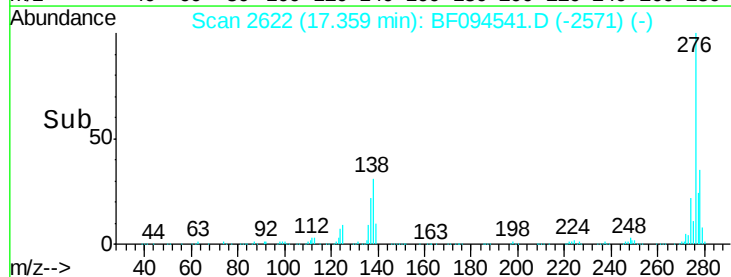
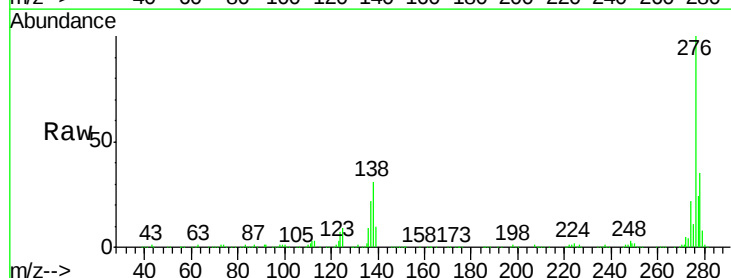
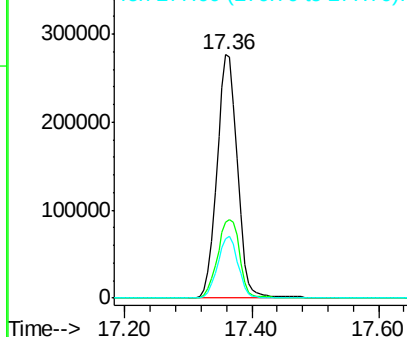
Delta R.T. -0.00 min

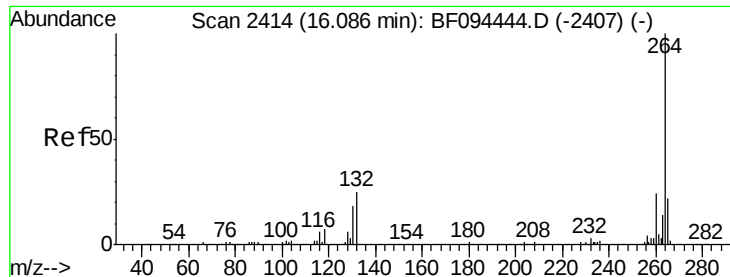
Lab File: BF094541.D

Acq: 20 Apr 2017 13:38

Tgt Ion:	276	Resp:	628391
Ion	Ratio	Lower	Upper
276	100		
138	34.6	27.8	41.6
277	25.5	20.2	30.4

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





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

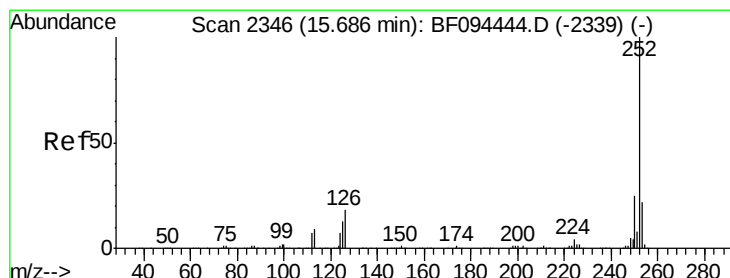
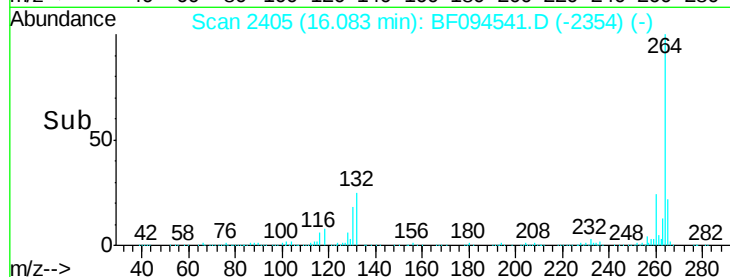
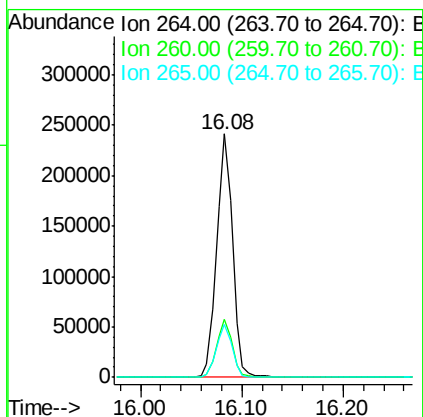
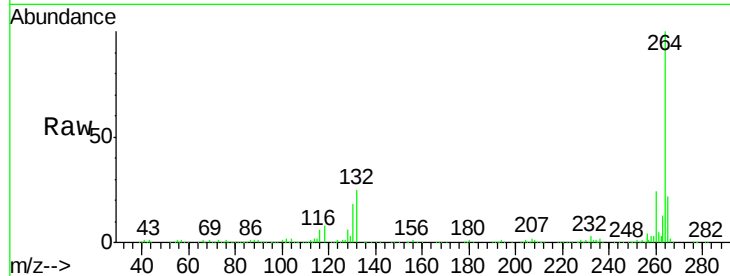
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.8	17.2	25.8

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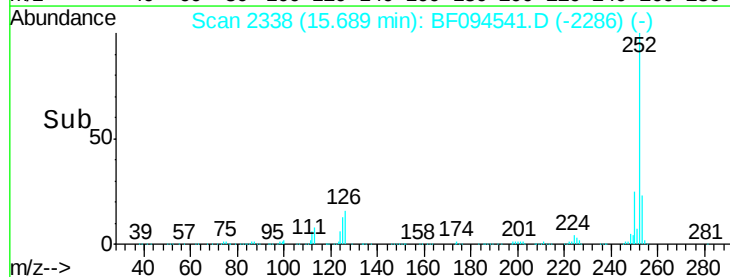
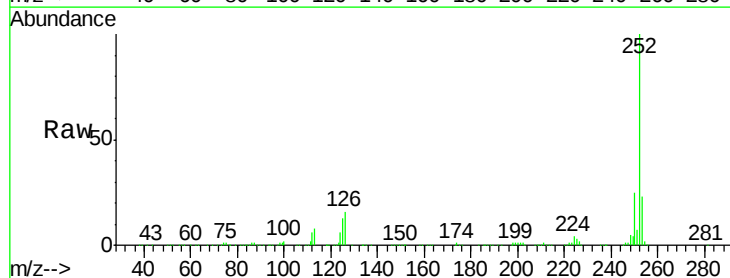
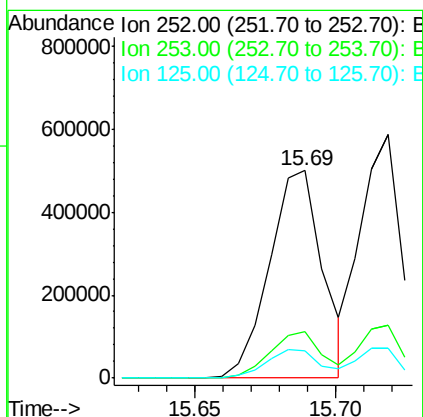
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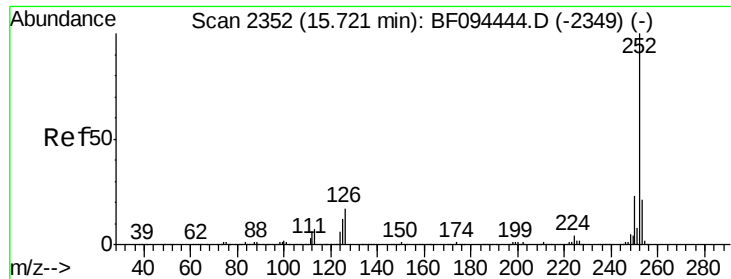
4/21/2017 11:35:59 AM



#87
Benzo(b)fluoranthene
Concen: 40.62 ng
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.9	9.8	14.8





#88
Benzo(k)fluoranthene
Concen: 38.81 ng
RT: 15.72 min Scan# 2343
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

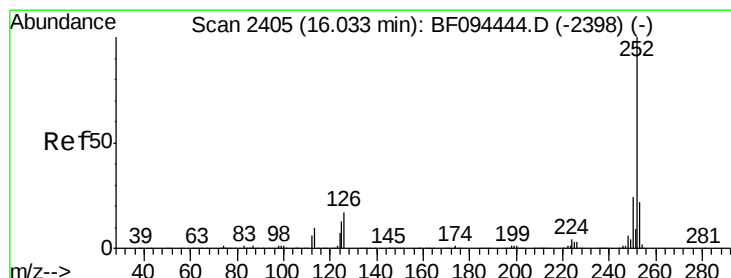
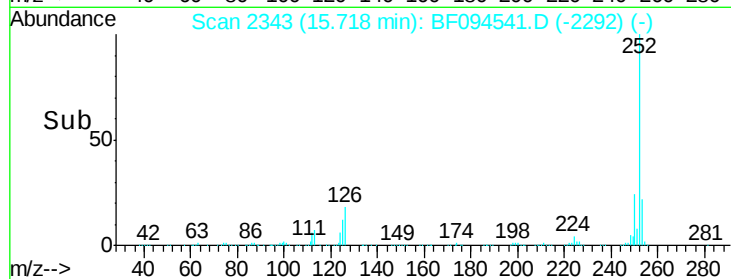
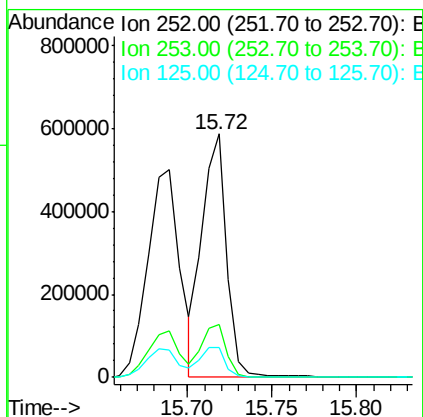
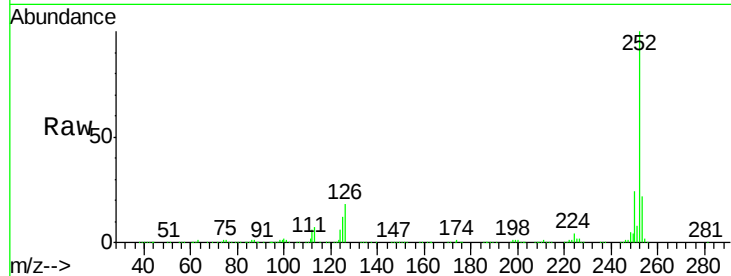
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		591916		
253	21.6	18.4	27.6		
125	12.3	13.1	19.7		

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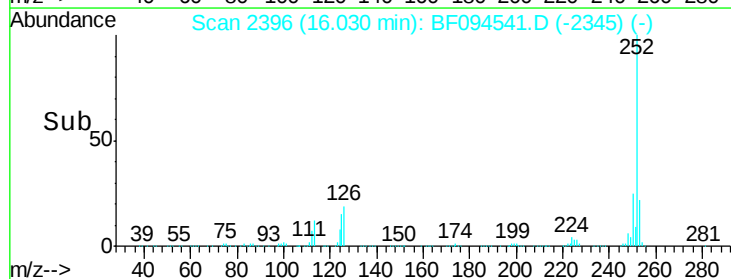
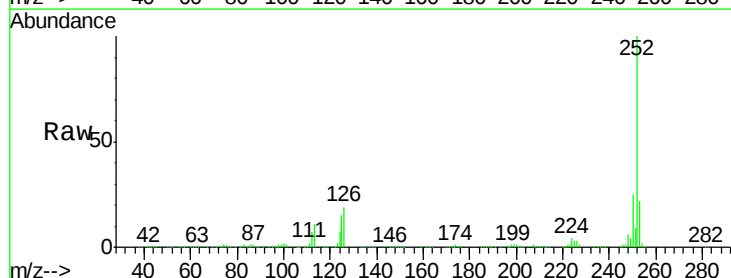
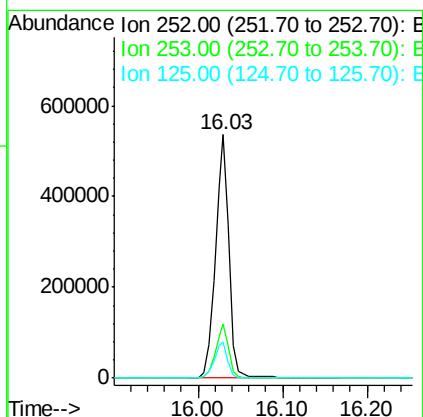
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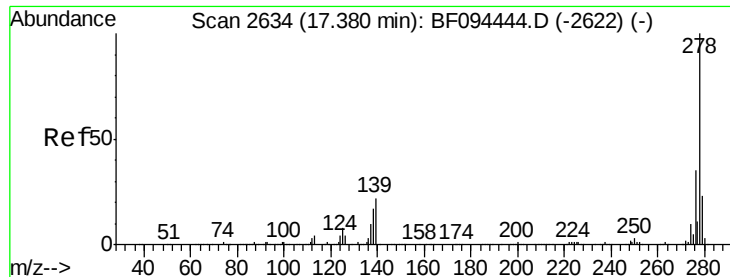
4/21/2017 11:35:59 AM



#89
Benzo(a)pyrene
Concen: 40.66 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		609749		
253	22.0	17.5	26.3		
125	14.9	11.0	16.4		





#90
Dibenzo(a,h)anthracene
Concen: 41.42 ng
RT: 17.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

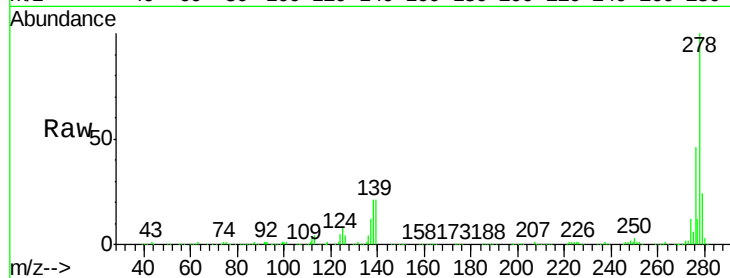
Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.4	16.6	24.8
279	24.0	19.3	28.9

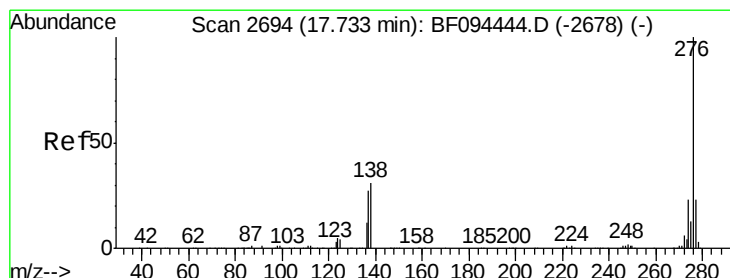
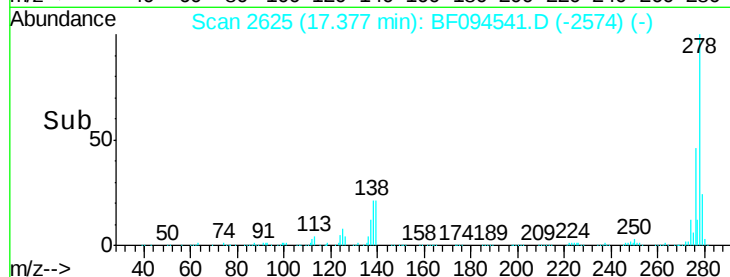
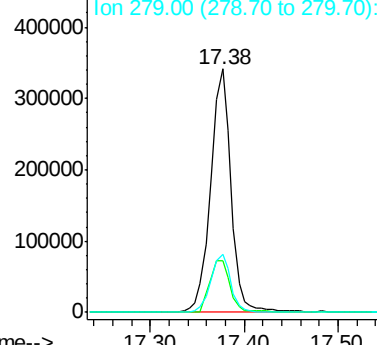
Manual Integrations
APPROVED

mohammad

4/21/2017 11:35:59 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 42.49 ng
RT: 17.74 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BF094541.D
Acq: 20 Apr 2017 13:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	29.6	25.4	38.0

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

