

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096643.D
 Acq On : 11 Jul 2017 14:40
 Operator : SJ/JU
 Sample : I4114-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Manual Integrations
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mohammad
 7/12/2017 4:49:37 PM

Quant Time: Jul 11 17:30:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	108231	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	506827	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	213225	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	380329	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	248325	20.00	ng	-0.02
86) Perylene-d12	15.22	264	189495	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	625011	85.23	ng	-0.01
7) Phenol-d6	6.33	99	763333	84.68	ng	-0.02
23) Nitrobenzene-d5	7.25	82	457013	54.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	162864	97.78	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	870072	69.77	ng	-0.02
78) Terphenyl-d14	12.78	244	688443	59.24	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.36	88	80036	23.018	ng	# 75
3) Pyridine	3.05	79	224265	23.507	ng	# 60
4) n-Nitrosodimethylamine	2.99	42	129730	27.550	ng	# 83
6) Aniline	6.35	93	280108	24.041	ng	# 58
8) 2-Chlorophenol	6.47	128	231944	29.661	ng	# 94
9) Benzaldehyde	6.23	77	148944	26.400	ng	# 99
10) Phenol	6.34	94	298179	29.034	ng	# 78
11) bis(2-Chloroethyl)ether	6.42	93	218586	27.541	ng	# 90
12) 1,3-Dichlorobenzene	6.63	146	239429	29.202	ng	# 98
13) 1,4-Dichlorobenzene	6.70	146	246368	30.063	ng	# 96
14) 1,2-Dichlorobenzene	6.86	146	230769	30.669	ng	# 97
15) Benzyl Alcohol	6.83	79	189823	31.500	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	6.97	45	472827	29.305	ng	# 91
17) 2-Methylphenol	6.95	107	189547	30.416	ng	# 94
18) Hexachloroethane	7.20	117	88049	29.636	ng	# 81
19) n-Nitroso-di-n-propylamine	7.10	70	154075	28.689	ng	# 86
20) 3+4-Methylphenols	7.10	107	227921	32.790	ng	# 96
22) Acetophenone	7.09	105	305273	27.566	ng	# 96
24) Nitrobenzene	7.26	77	231997	26.220	ng	# 94
25) Isophorone	7.51	82	427970	26.170	ng	# 96
26) 2-Nitrophenol	7.59	139	139083	29.698	ng	# 91
27) 2,4-Dimethylphenol	7.63	122	224281	28.125	ng	# 96
28) bis(2-Chloroethoxy)methane	7.72	93	310974	28.807	ng	# 99
29) 2,4-Dichlorophenol	7.83	162	209094	30.391	ng	# 95
30) 1,2,4-Trichlorobenzene	7.91	180	196279	30.243	ng	# 98
31) Naphthalene	7.99	128	717387	29.982	ng	# 99
32) Benzoic acid	7.72	122	44701	6.675	ng	# 93
33) 4-Chloroaniline	8.04	127	219798	22.116	ng	# 96
34) Hexachlorobutadiene	8.12	225	97735	29.361	ng	# 98
35) Caprolactam	8.40	113	74049m	31.211	ng	# 89
36) 4-Chloro-3-methylphenol	8.53	107	211296	27.755	ng	# 98
37) 2-Methylnaphthalene	8.68	142	487257	31.992	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	165965	29.977	ng	# 99
40) Hexachlorocyclopentadiene	8.84	237	135344	50.276	ng	# 98

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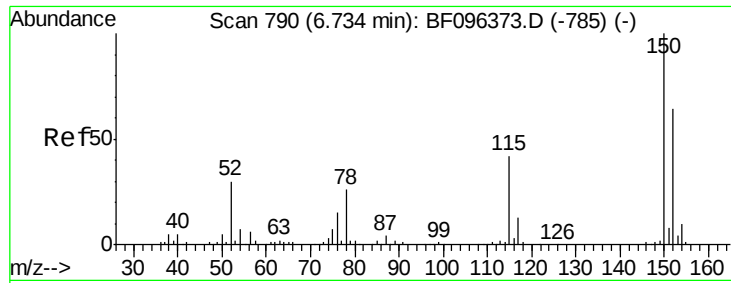
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.96	196	130430	29.780	ng	100
43) 2,4,5-Trichlorophenol	9.00	196	132193	30.526	ng	92
45) 1,1'-Biphenyl	9.15	154	540240	29.571	ng	98
46) 2-Chloronaphthalene	9.17	162	417142	30.638	ng	96
47) 2-Nitroaniline	9.26	65	155429	31.374	ng	91
48) Acenaphthylene	9.58	152	674504	31.265	ng	99
49) Dimethylphthalate	9.45	163	604978	38.007	ng	99
50) 2,6-Dinitrotoluene	9.50	165	112359	31.921	ng	# 81
51) Acenaphthene	9.75	154	389843	29.315	ng	98
52) 3-Nitroaniline	9.67	138	109418	24.923	ng	94
53) 2,4-Dinitrophenol	9.78	184	60029	32.109	ng	# 71
54) Dibenzofuran	9.92	168	581885	33.142	ng	99
55) 4-Nitrophenol	9.85	139	192660	52.945	ng	# 74
56) 2,4-Dinitrotoluene	9.91	165	151152	33.910	ng	# 89
57) Fluorene	10.27	166	432326	34.865	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.05	232	107914	36.018	ng	# 97
59) Diethylphthalate	10.15	149	487852	32.426	ng	100
60) 4-Chlorophenyl-phenylether	10.26	204	181509	33.643	ng	97
61) 4-Nitroaniline	10.28	138	124592	31.211	ng	91
62) Azobenzene	10.42	77	481909	33.126	ng	92
64) 4,6-Dinitro-2-methylphenol	10.32	198	61631	23.497	ng	91
65) n-Nitrosodiphenylamine	10.37	169	411811	30.860	ng	100
66) 4-Bromophenyl-phenylether	10.74	248	117762	31.807	ng	98
67) Hexachlorobenzene	10.82	284	122527	30.232	ng	# 89
68) Atrazine	10.90	200	119305	31.294	ng	93
69) Pentachlorophenol	11.01	266	117438	48.891	ng	99
70) Phenanthrene	11.22	178	643555	31.302	ng	98
71) Anthracene	11.27	178	668533	31.909	ng	99
72) Carbazole	11.43	167	604283	28.680	ng	99
73) Di-n-butylphthalate	11.77	149	772634	30.275	ng	98
74) Fluoranthene	12.40	202	649996	32.246	ng	98
76) Benzidine	12.53	184	289818	24.323	ng	# 92
77) Pyrene	12.63	202	621532	31.182	ng	98
79) Butylbenzylphthalate	13.26	149	320058	31.720	ng	# 81
80) Benzo(a)anthracene	13.82	228	445695	30.994	ng	99
81) 3,3'-Dichlorobenzidine	13.78	252	128448	21.748	ng	# 97
82) Chrysene	13.86	228	467362	31.036	ng	100
83) Bis(2-ethylhexyl)phthalate	13.82	149	379087	33.658	ng	99
84) Di-n-octyl phthalate	14.43	149	683298	30.808	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.56	276	358629	30.170	ng	98
87) Benzo(b)fluoranthene	14.83	252	393013	33.099	ng	98
88) Benzo(k)fluoranthene	14.86	252	341209	32.125	ng	97
89) Benzo(a)pyrene	15.17	252	329128	31.047	ng	99
90) Dibenzo(a,h)anthracene	16.58	278	298600	35.805	ng	97
91) Benzo(g,h,i)perylene	16.97	276	317014	36.684	ng	98

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



#1

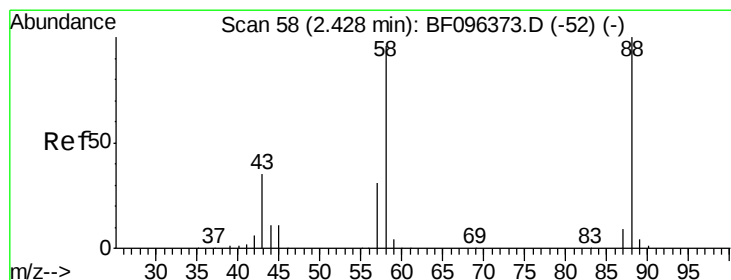
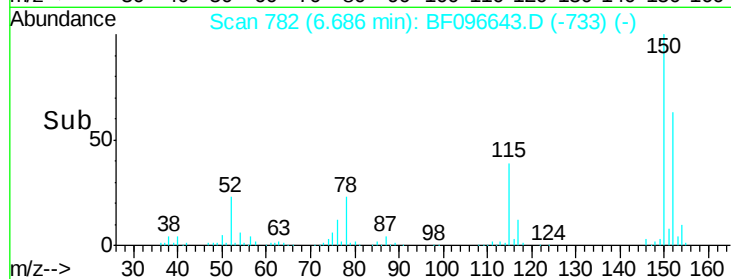
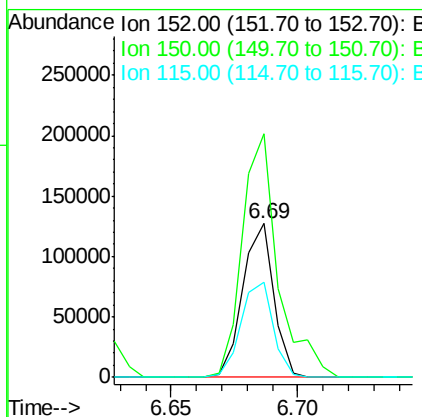
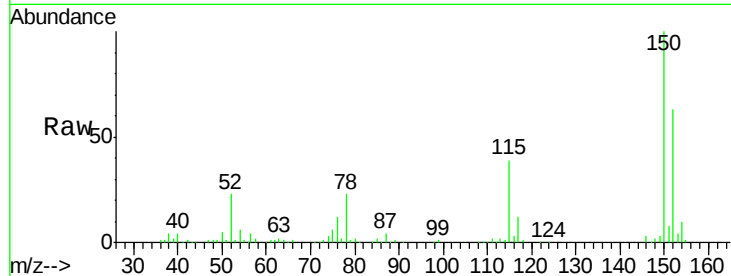
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Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	62.3	52.2	78.2

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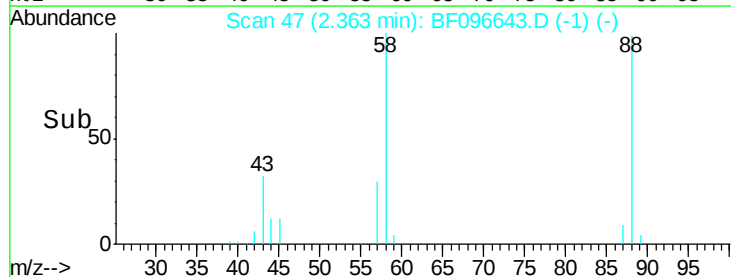
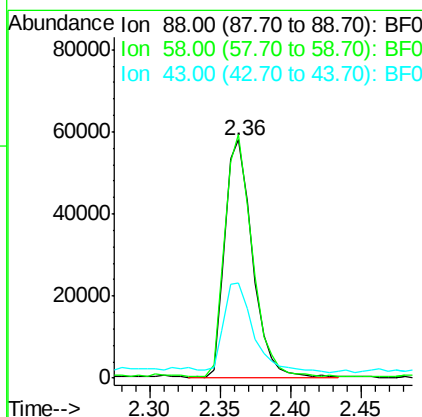
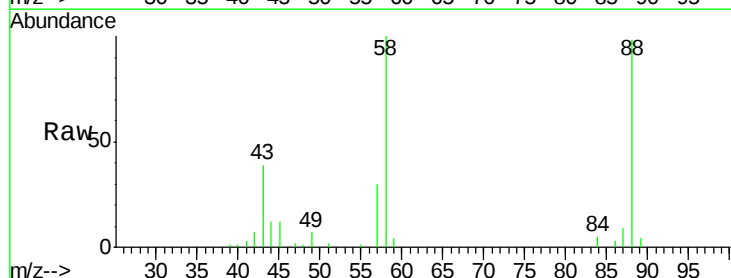
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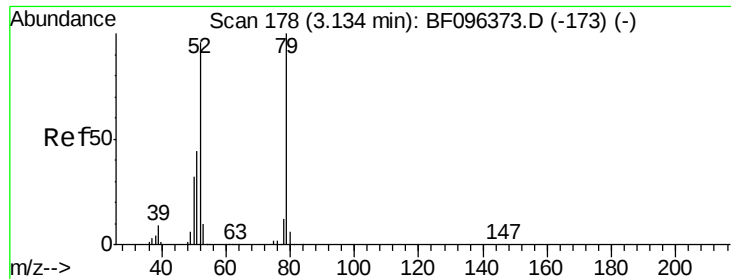


#2

1,4-Dioxane
Concen: 23.018 ng
RT: 2.36 min Scan# 47
Delta R.T. -0.00 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.1	61.4	92.0#
43	39.7	23.4	35.0#





#3

Pyridine

Concen: 23.507 ng

RT: 3.05 min Scan# 164

Delta R.T. -0.00 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

NAA-SANDMS

Tgt Ion: 79 Resp: 224265
Ion Ratio Lower Upper

79 100

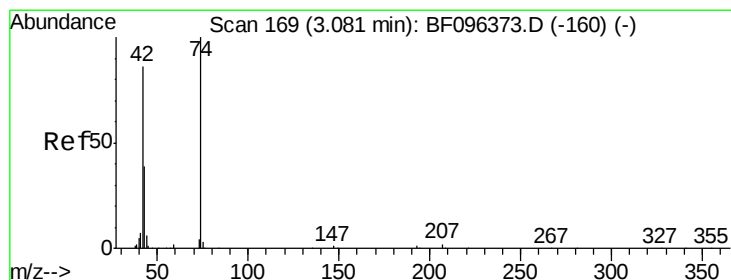
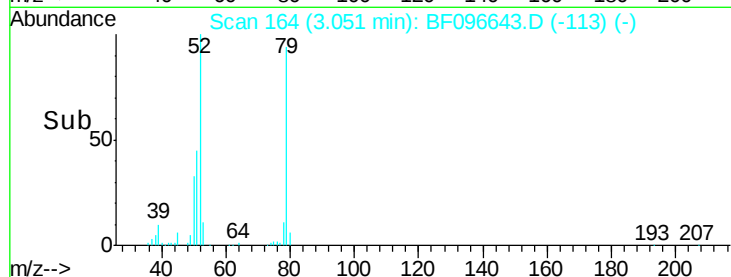
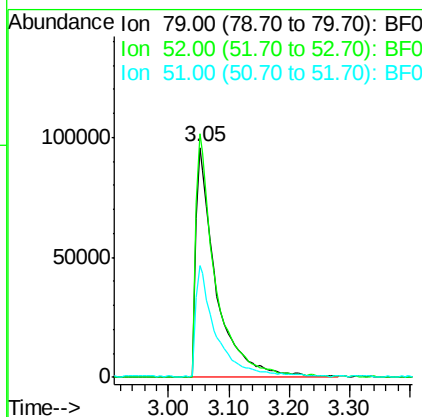
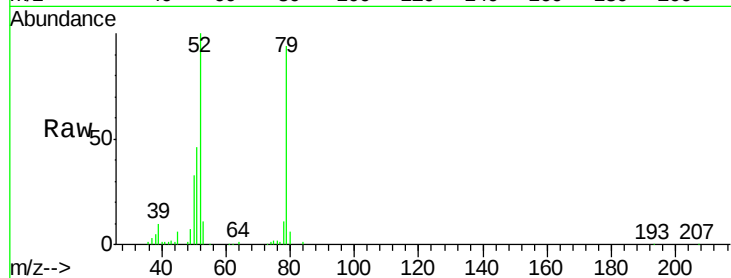
52 106.1 54.8 82.2#

51 48.7 27.0 40.4#

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#4

n-Nitrosodimethylamine

Concen: 27.550 ng

RT: 2.99 min Scan# 153

Delta R.T. -0.02 min

Lab File: BF096643.D

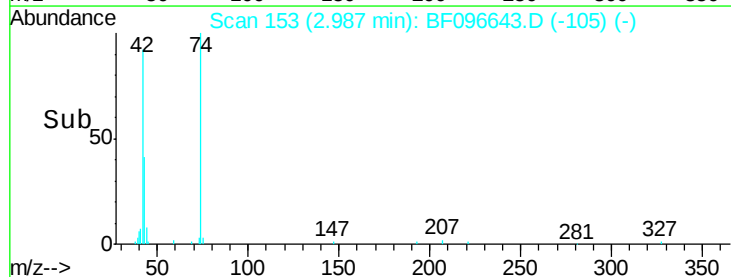
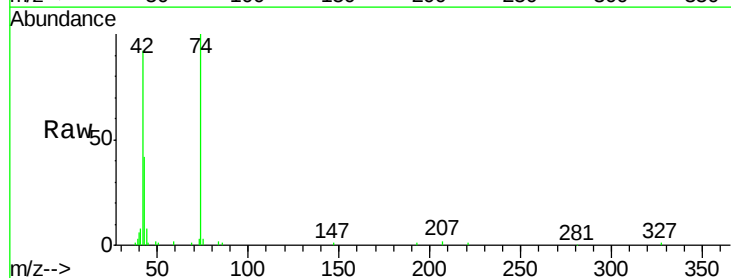
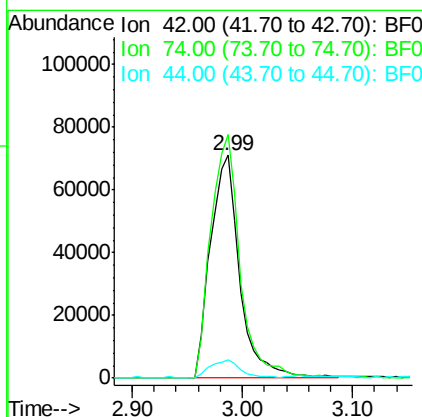
Acq: 11 Jul 2017 14:40

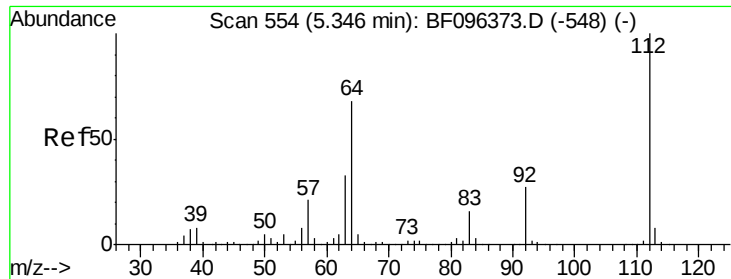
Tgt Ion: 42 Resp: 129730
Ion Ratio Lower Upper

42 100

74 109.2 103.9 155.9

44 8.2 5.7 8.5





#5

2-Fluorophenol

Concen: 85.234 ng

RT: 5.30 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

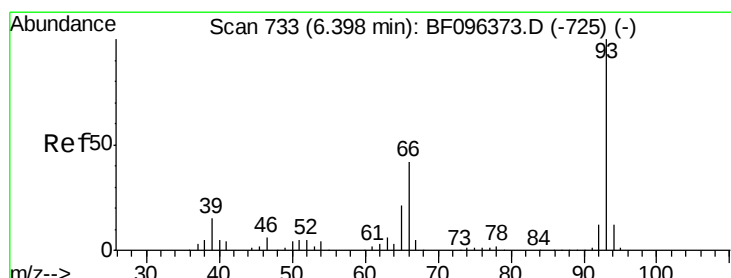
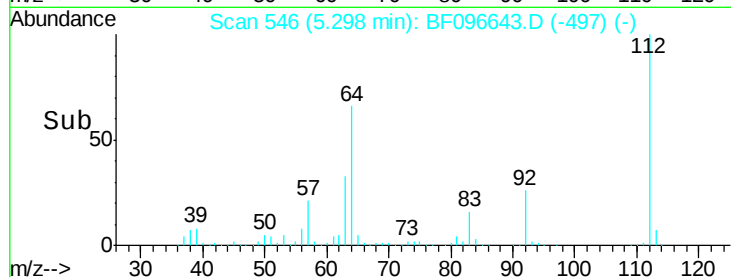
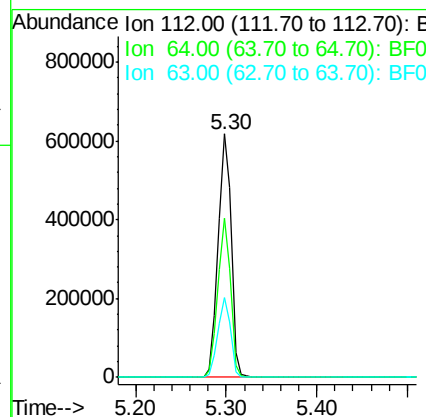
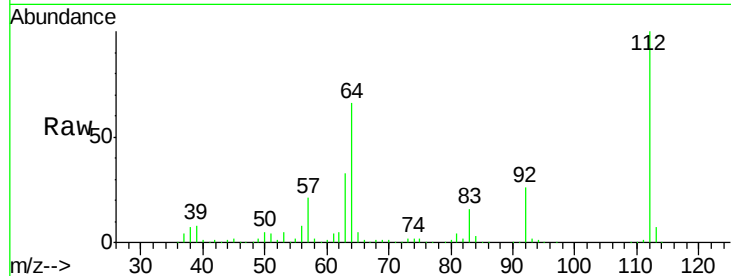
ClientSampleId :

NAA-SANDMS

Tgt Ion:	112	Resp:	625011
Ion Ratio	Lower	Upper	
112	100		
64	65.5	46.0	69.0
63	33.0	23.4	35.0

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#6

Aniline

Concen: 24.041 ng

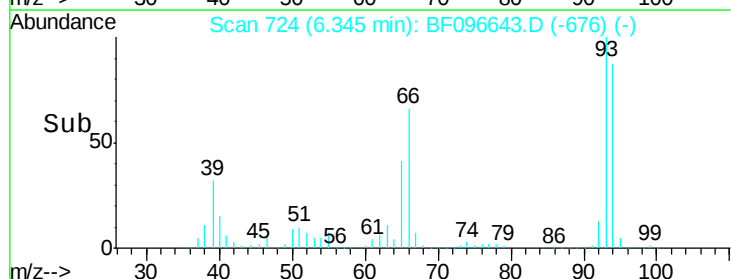
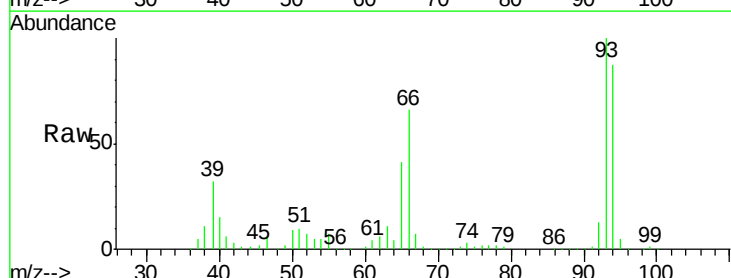
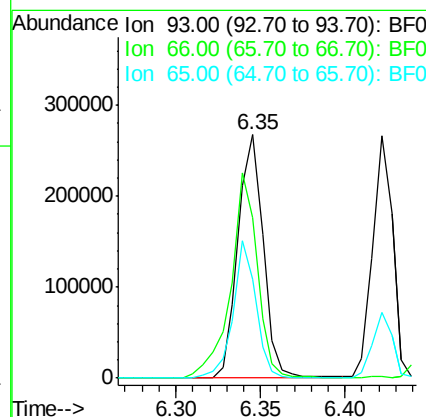
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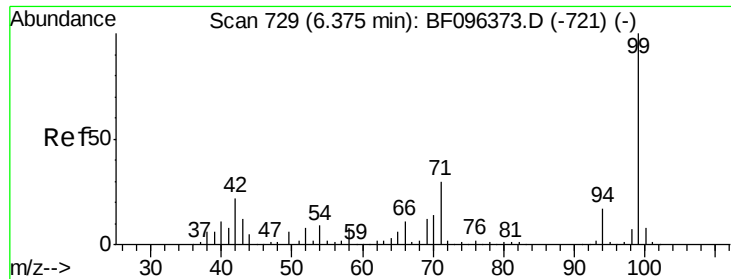
Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	93	Resp:	280108
Ion Ratio	Lower	Upper	
93	100		
66	66.1	32.9	49.3#
65	40.9	16.0	24.0#





#7

Phenol-d6

Concen: 84.676 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

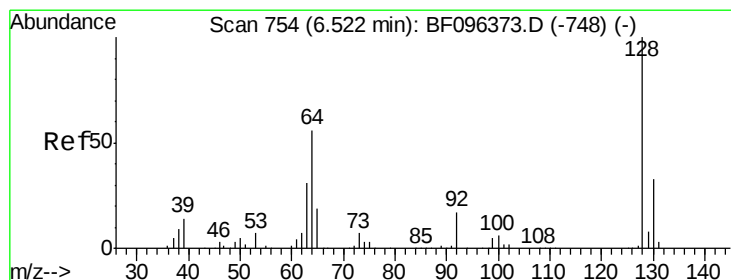
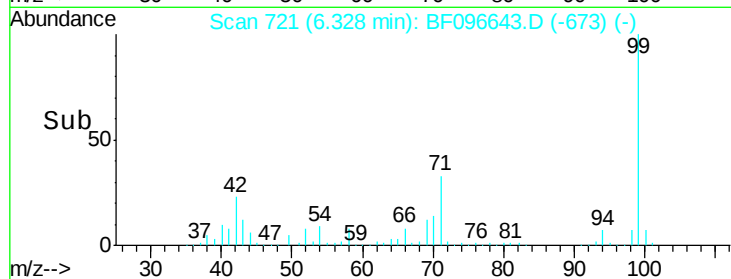
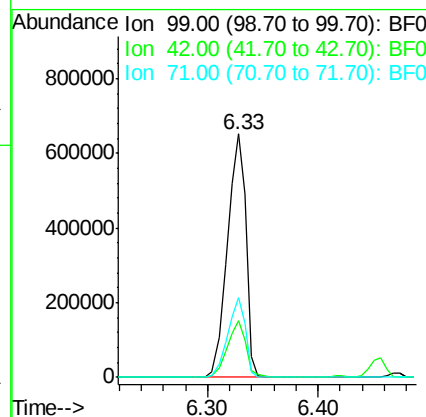
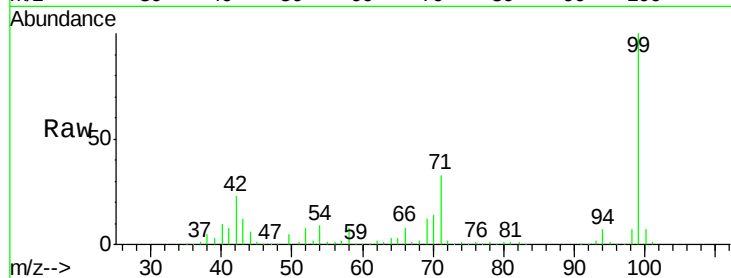
ClientSampleId :

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Tgt Ion:	99	Resp:	763333
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	32.5	24.5	36.7

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#8

2-Chlorophenol

Concen: 29.661 ng

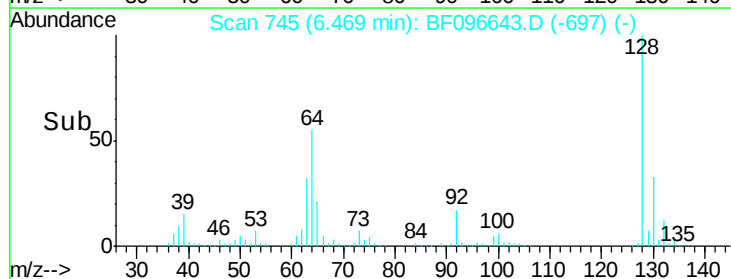
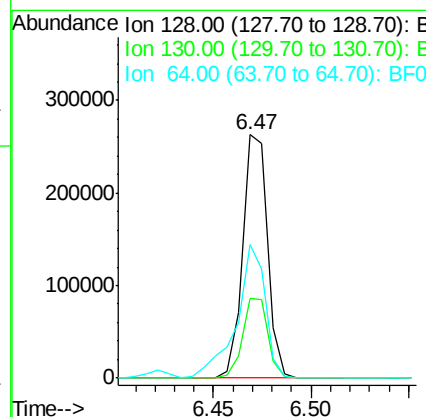
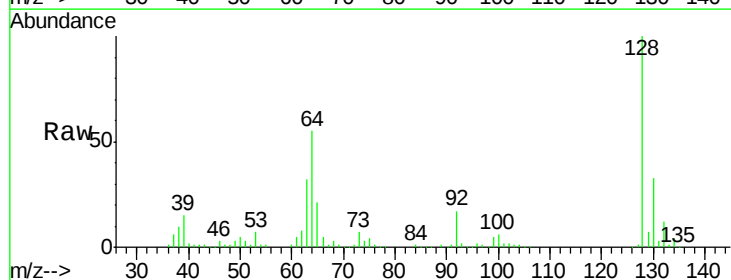
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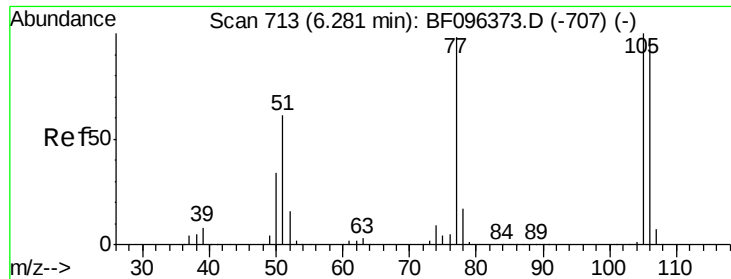
Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	128	Resp:	231944
Ion Ratio	Lower	Upper	
128	100		
130	32.5	12.9	52.9
64	55.0	28.4	68.4





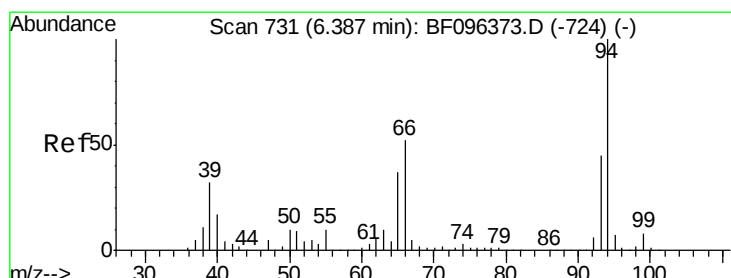
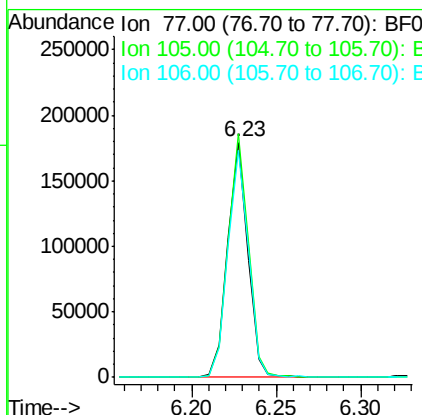
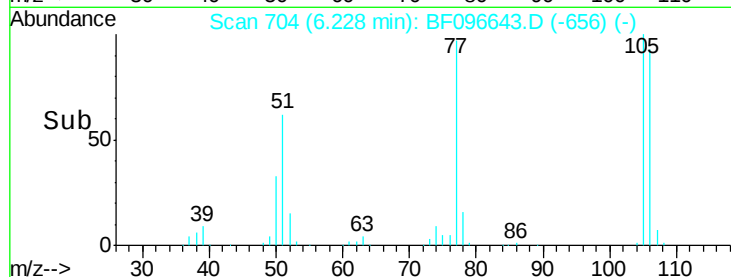
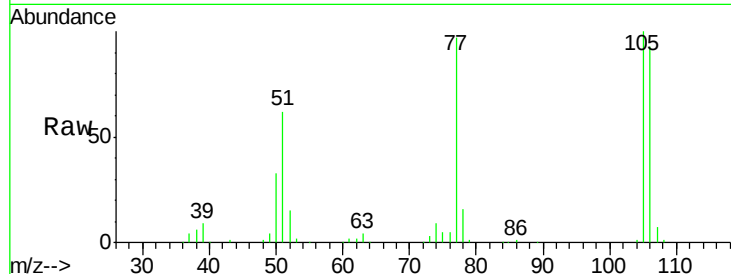
#9
Benzaldehyde
Concen: 26.400 ng
RT: 6.23 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
77	100		
105	103.6	83.8	123.8
106	96.4	79.1	119.1

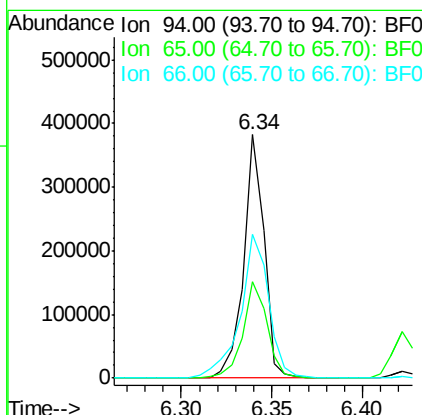
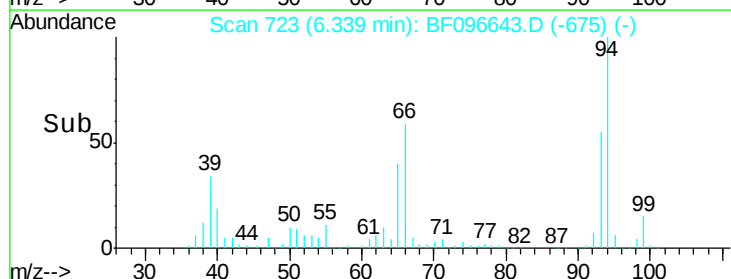
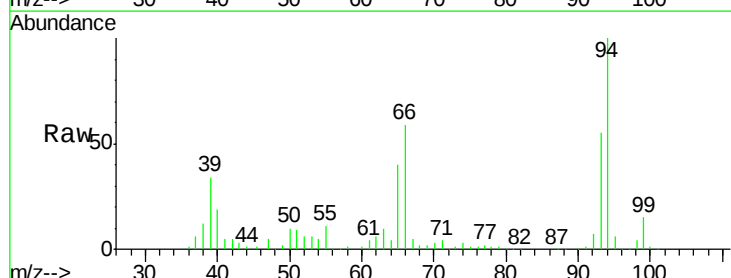
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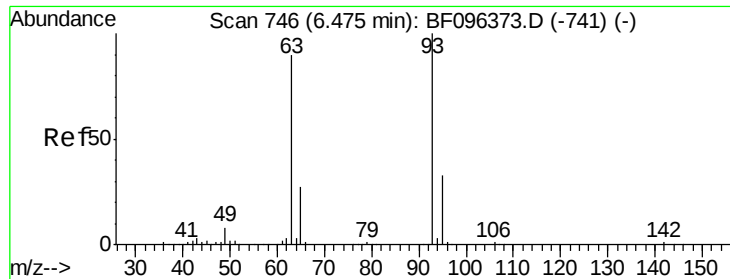
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#10
Phenol
Concen: 29.034 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	39.6	9.9	49.9
66	58.9	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 27.541 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

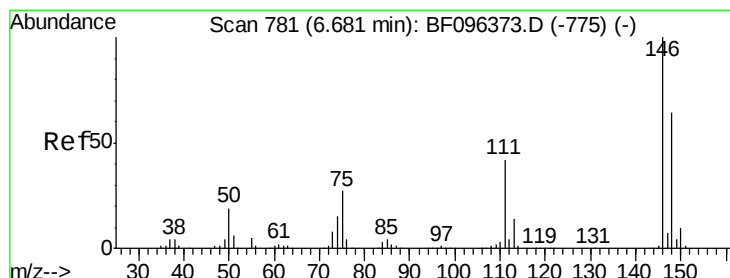
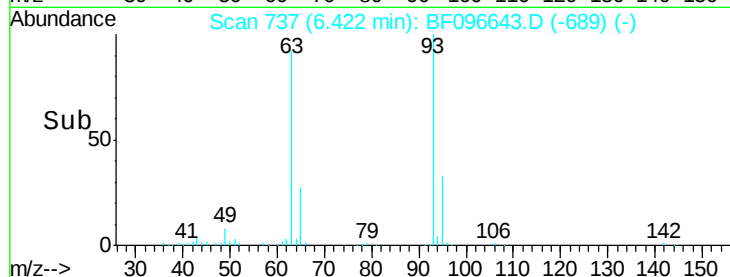
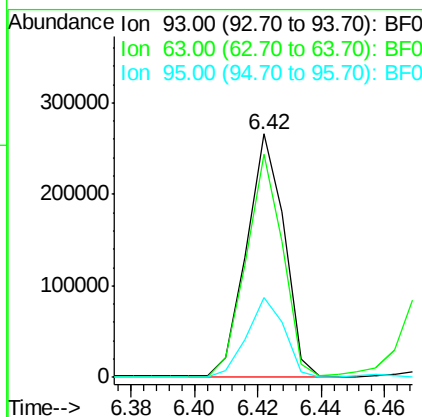
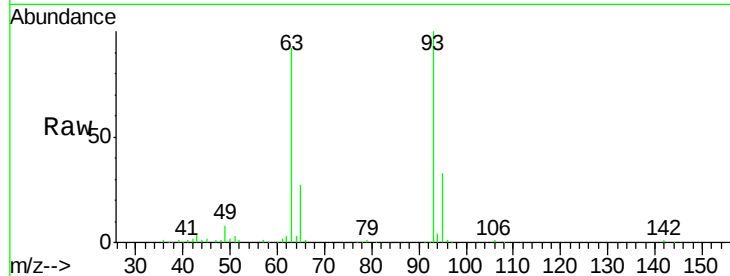
ClientSampleId :

NAA-SANDMS

Tgt Ion:	93	Resp:	218586
Ion Ratio	Lower	Upper	
93	100		
63	91.5	59.2	99.2
95	32.7	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 29.202 ng

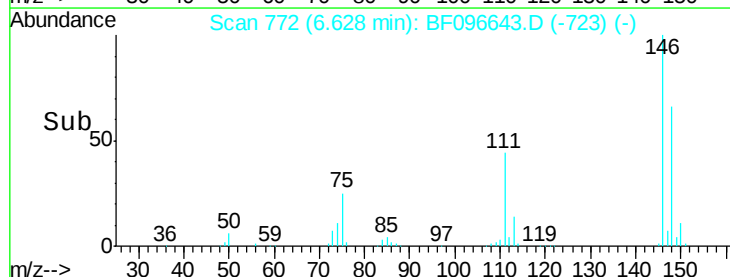
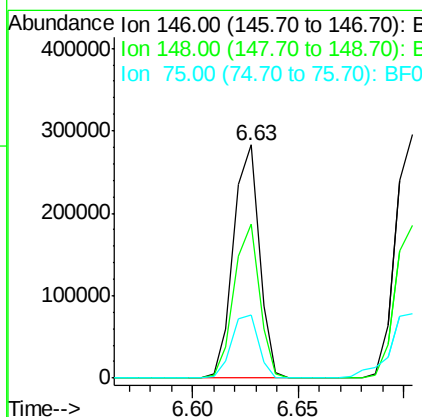
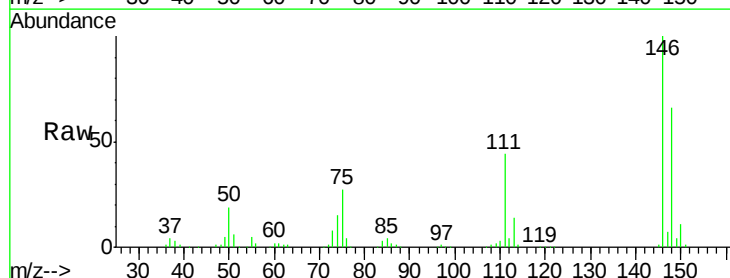
RT: 6.63 min Scan# 772

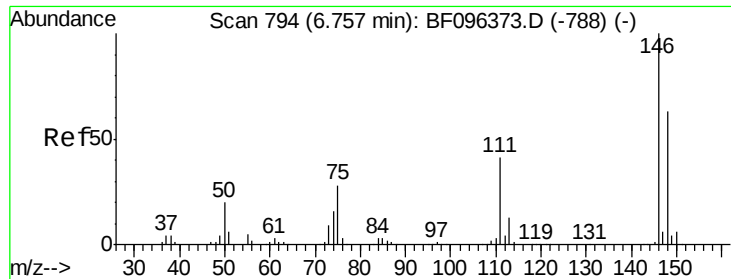
Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	146	Resp:	239429
Ion Ratio	Lower	Upper	
146	100		
148	66.0	51.8	77.6
75	26.9	23.1	34.7





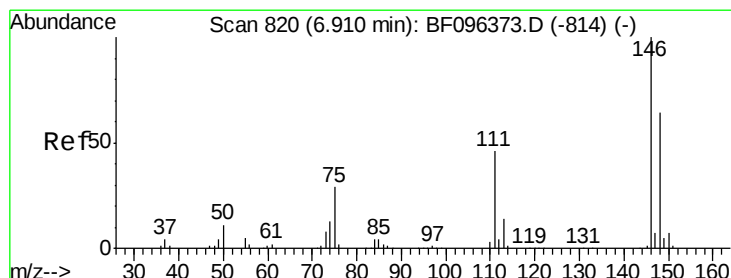
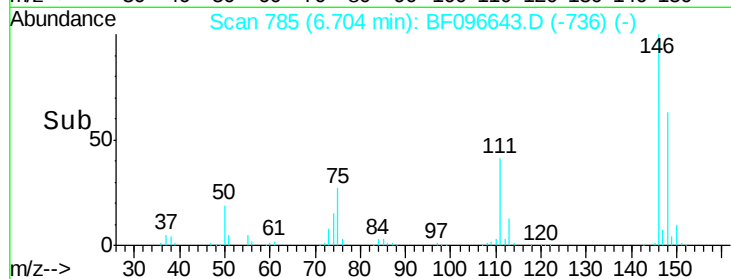
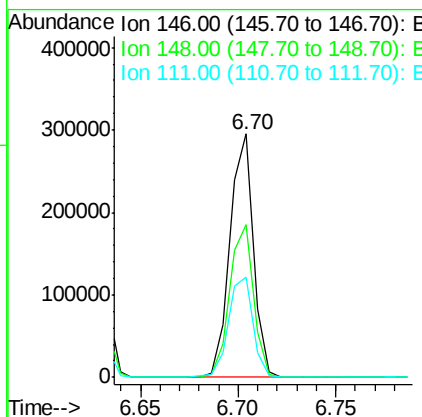
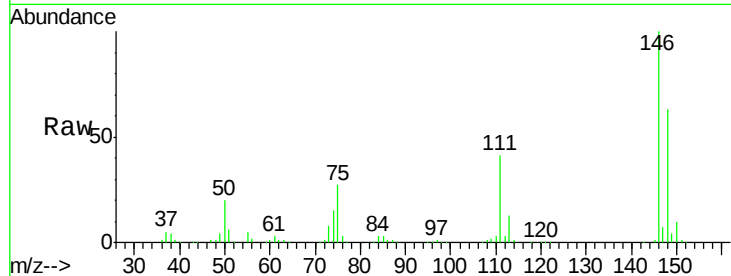
#13
 1,4-Dichlorobenzene
 Concen: 30.063 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.2	78.2
111	41.0	30.3	45.5

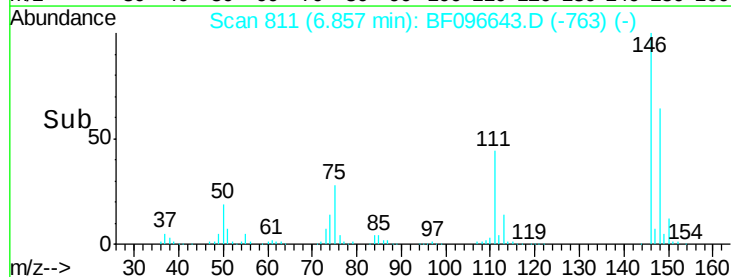
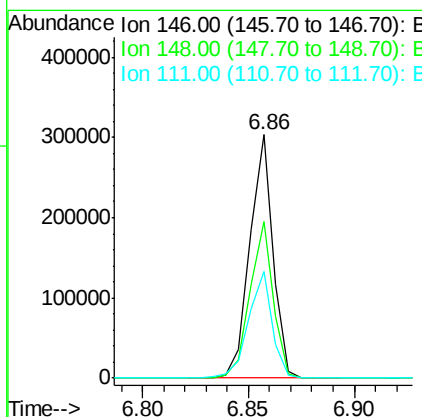
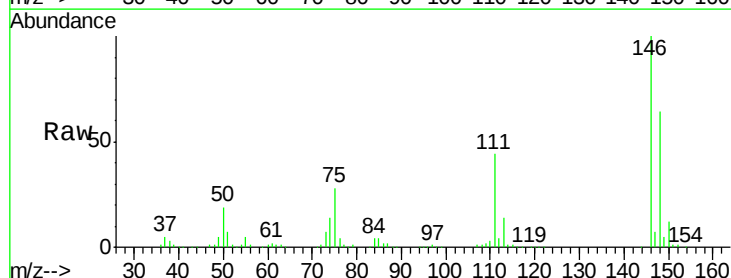
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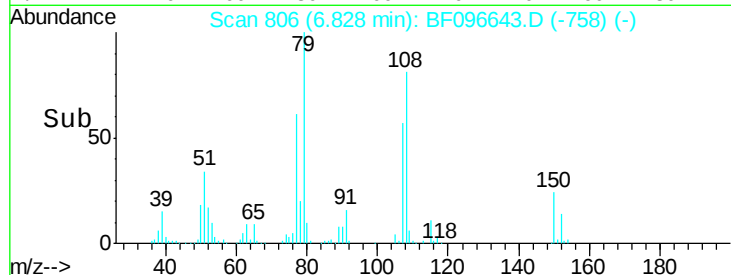
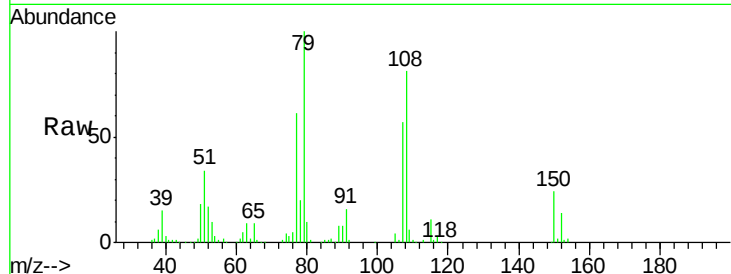
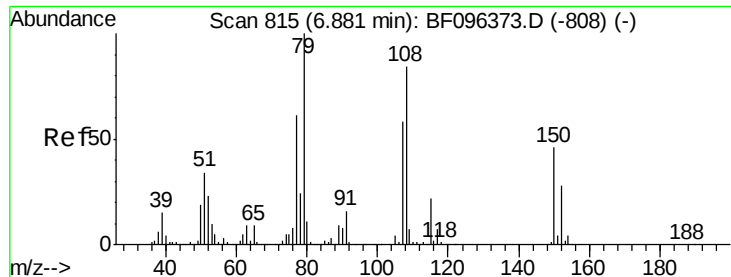
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 30.669 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.9	38.2	57.4





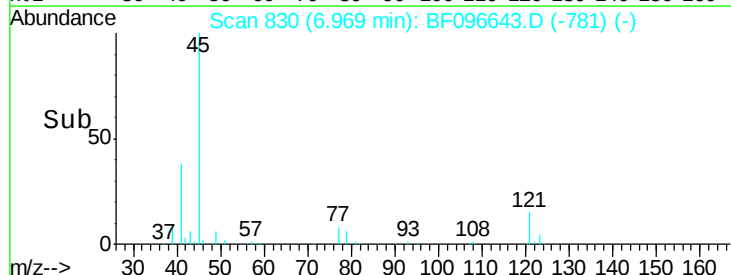
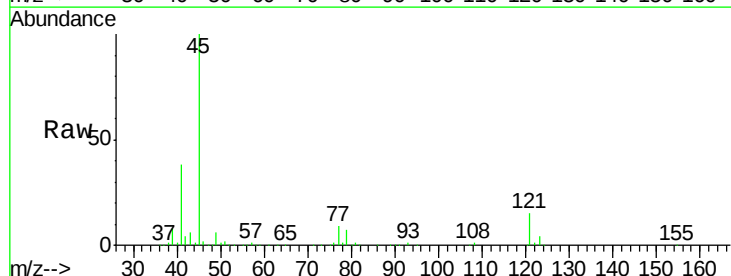
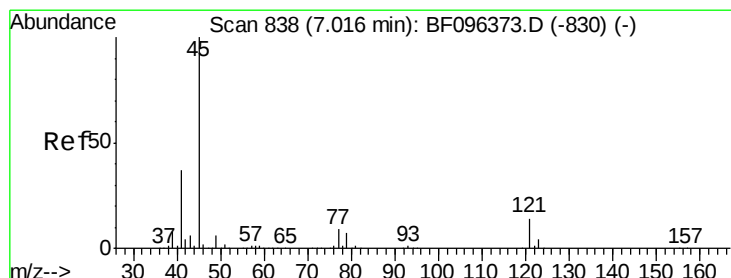
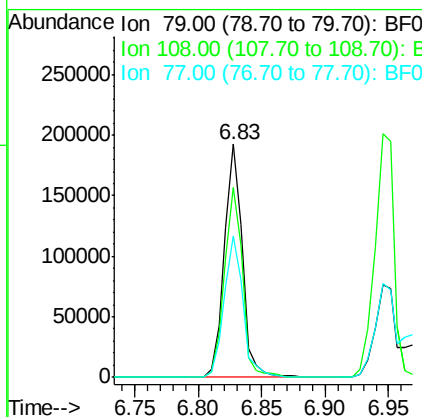
#15
Benzyl Alcohol
Concen: 31.500 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	189823		
108	81.2	63.4	95.0	
77	60.5	49.2	73.8	

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

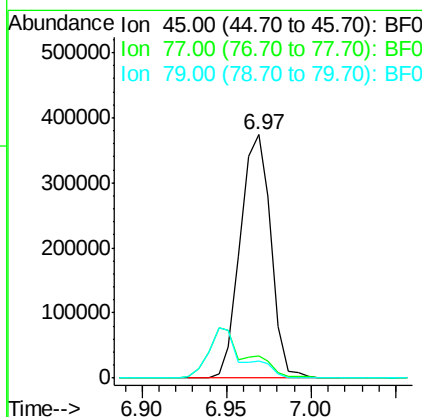
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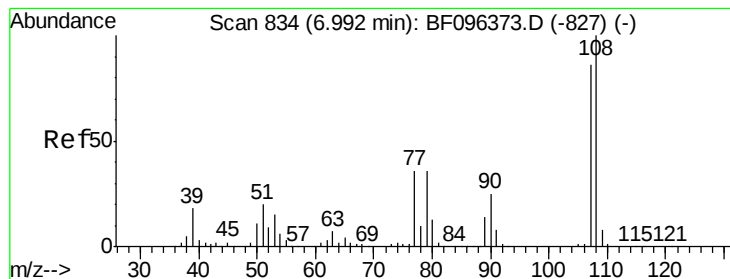
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.305 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	472827		
77	9.4	0.0	33.2	
79	7.2	0.0	30.0	





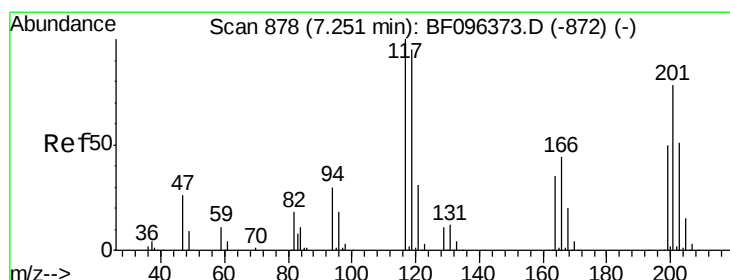
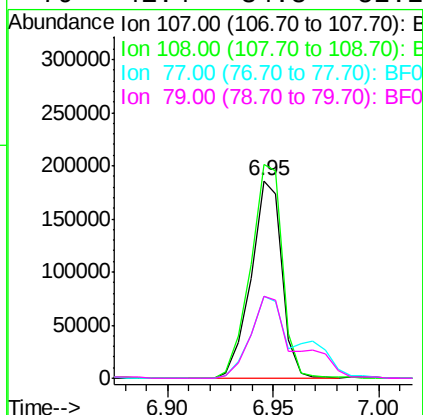
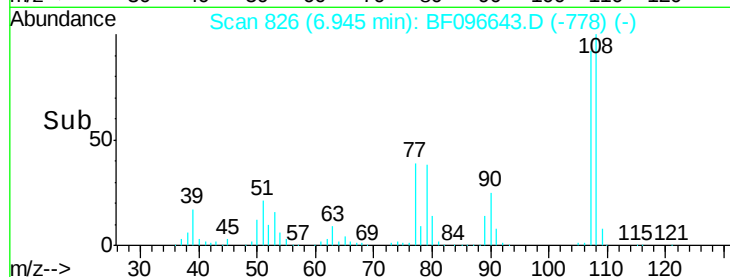
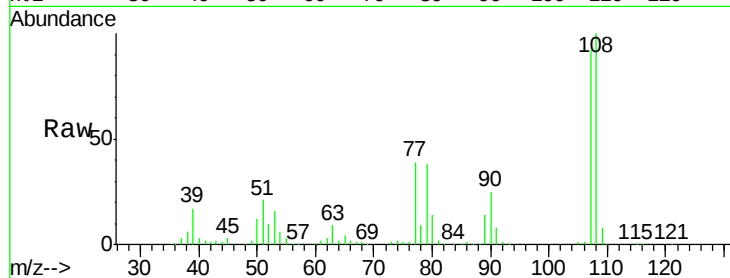
#17
2-Methylphenol
Concen: 30.416 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion:	107	Resp:	189547
Ion Ratio	Lower	Upper	
107	100		
108	108.3	93.4	140.0
77	41.7	35.8	53.6
79	41.4	34.8	52.2

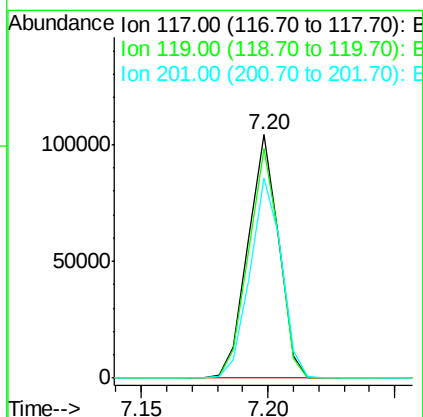
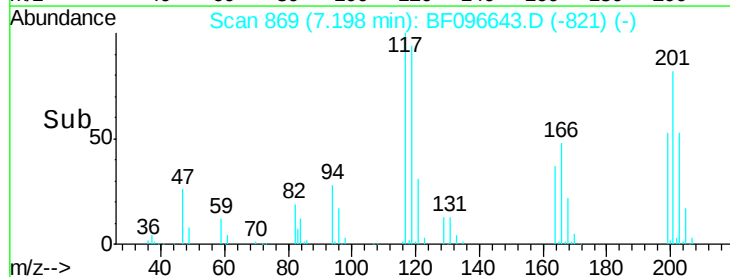
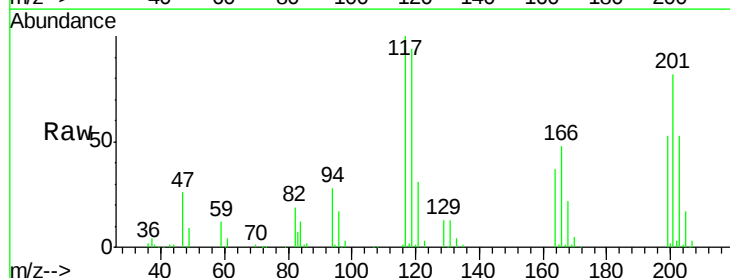
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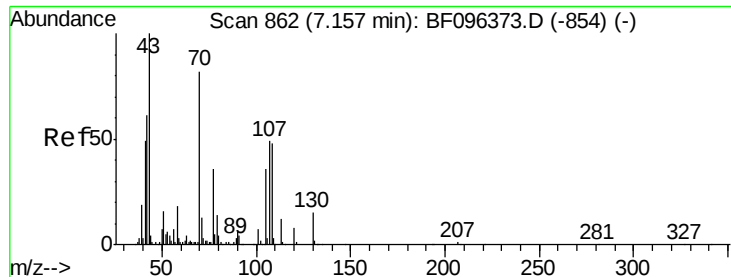
mohammad
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#18
Hexachloroethane
Concen: 29.636 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion:	117	Resp:	88049
Ion Ratio	Lower	Upper	
117	100		
119	94.2	77.4	116.0
201	82.2	94.6	141.8#





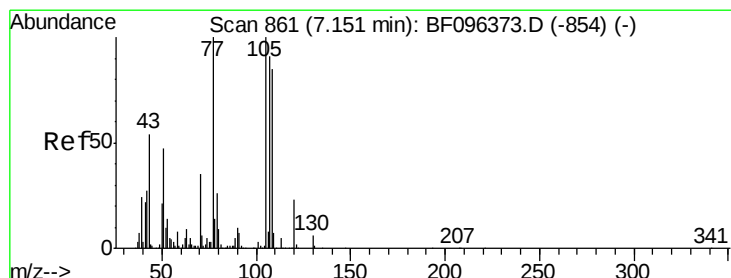
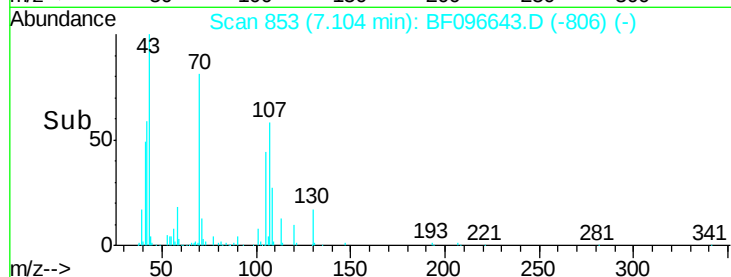
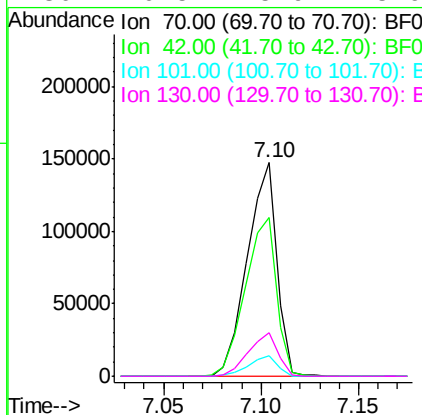
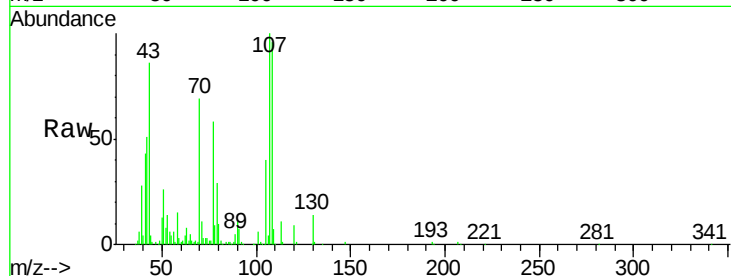
#19
n-Nitroso-di-n-propylamine
Concen: 28.689 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	74.1	47.2	70.8#
101	9.3	7.2	10.8
130	20.5	15.9	23.9

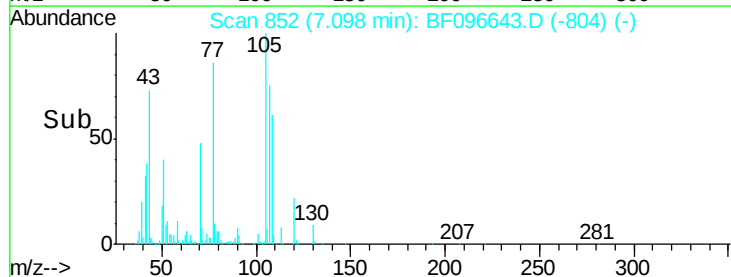
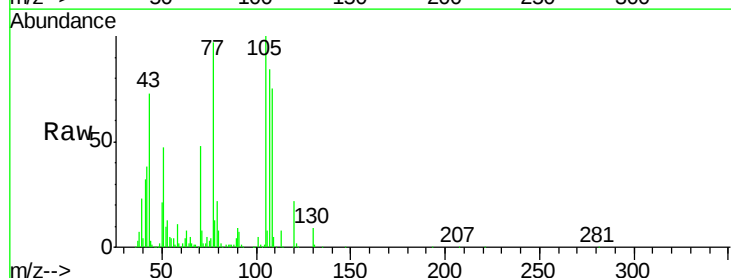
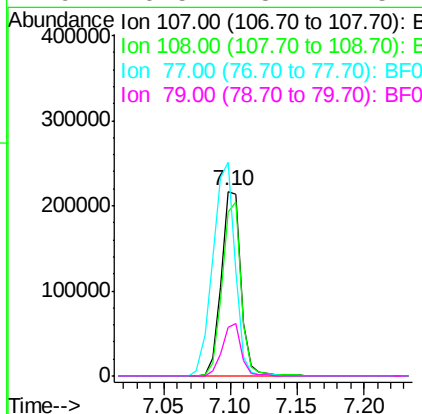
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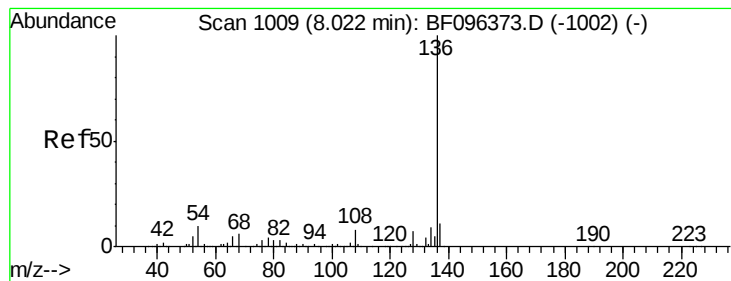
mohammad
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#20
3+4-Methylphenols
Concen: 32.790 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.0	111.0
77	115.6	90.5	130.5
79	26.5	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

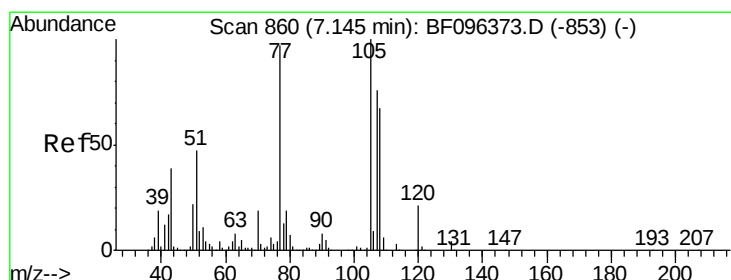
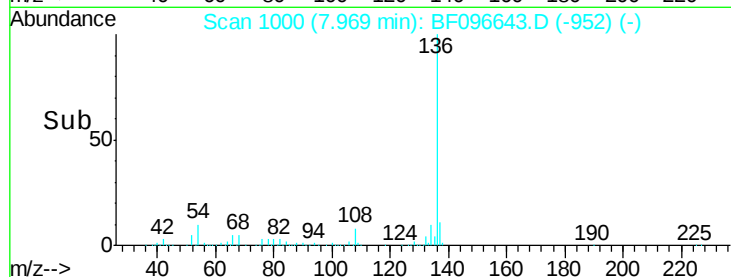
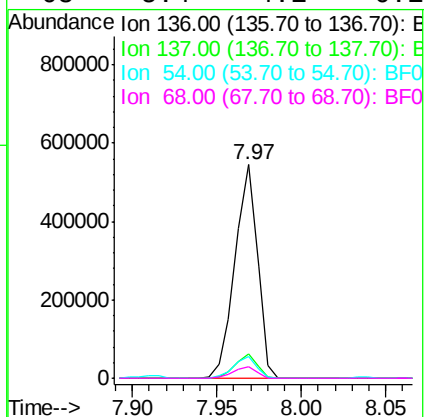
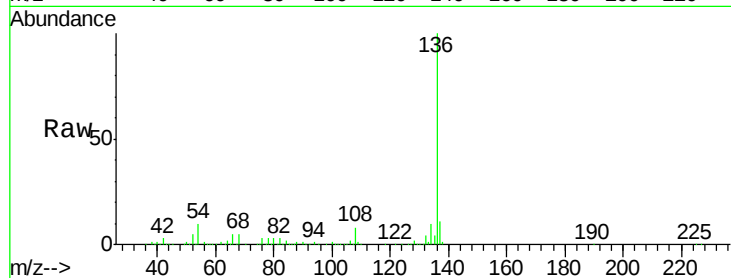
ClientSampleId :

NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	506827		
137	11.2	8.5	12.7	
54	10.2	4.9	7.3#	
68	5.4	4.1	6.1	

Manual Integrations
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#22

Acetophenone

Concen: 27.566 ng

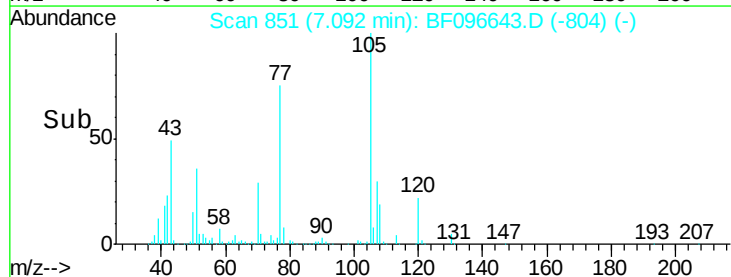
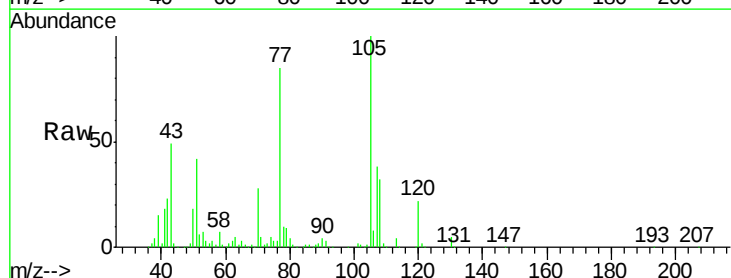
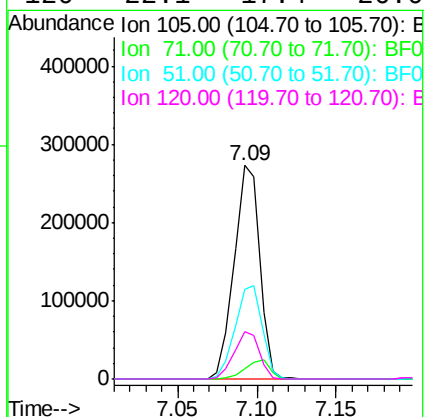
RT: 7.09 min Scan# 851

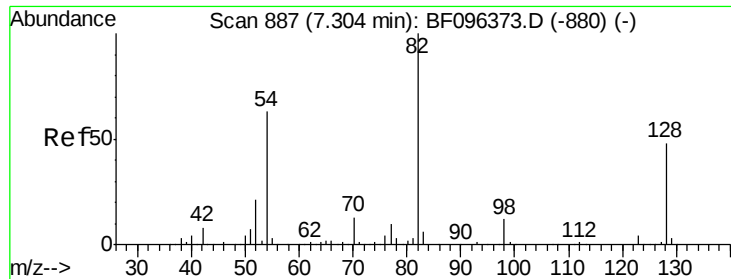
Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	305273		
71	4.8	2.8	4.2#	
51	41.9	30.7	46.1	
120	22.1	17.4	26.0	





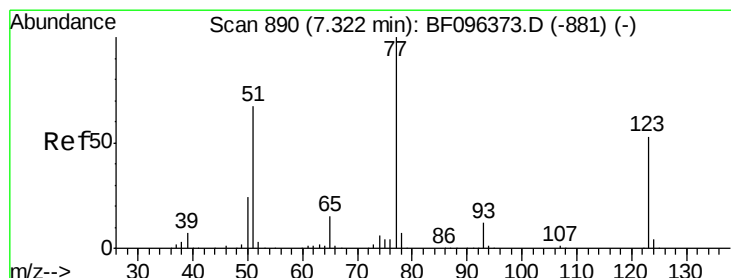
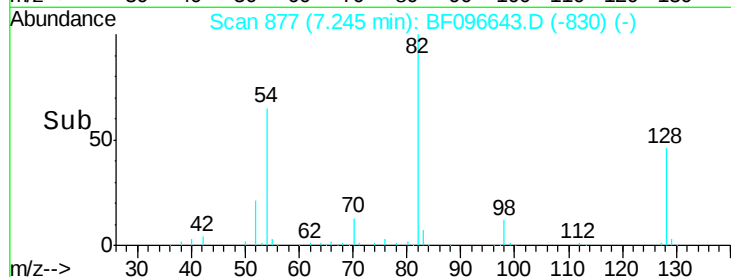
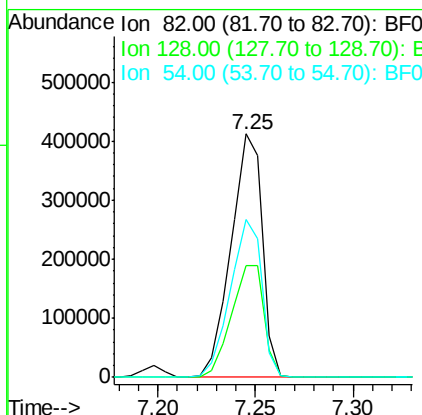
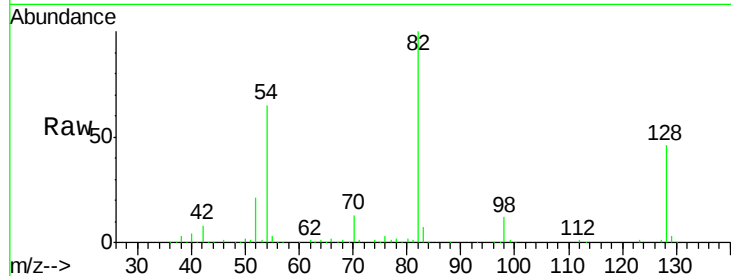
#23
 Nitrobenzene-d5
 Concen: 54.185 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	65.1	42.2	63.2#

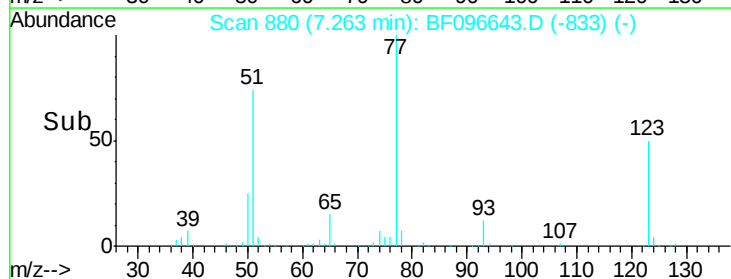
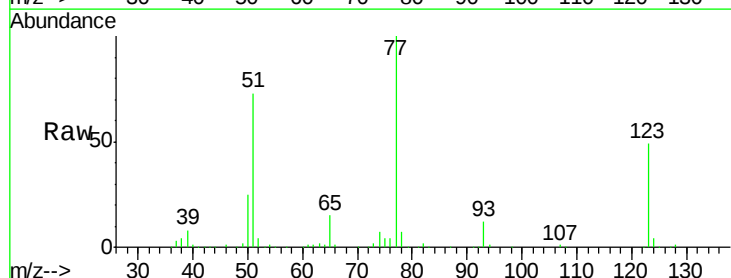
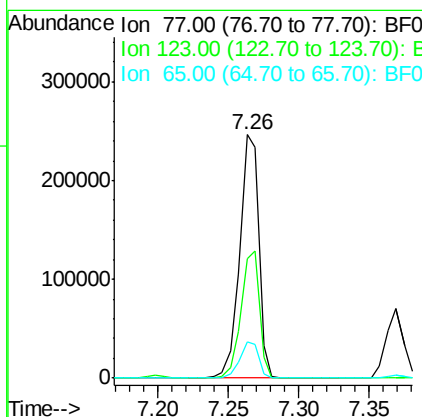
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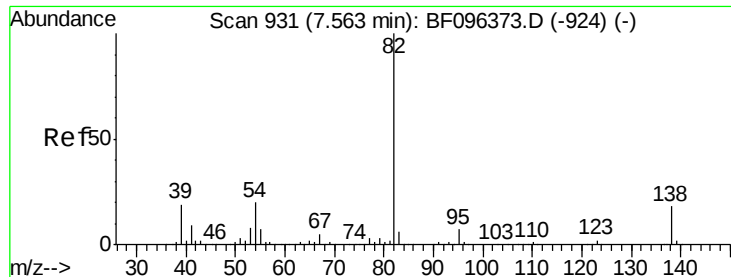
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#24
 Nitrobenzene
 Concen: 26.220 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.3	35.8	53.8
65	14.8	10.6	15.8





#25

Isophorone

Concen: 26.170 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

NAA-SANDMS

Tgt Ion: 82 Resp: 427970

Ion Ratio Lower Upper

82 100

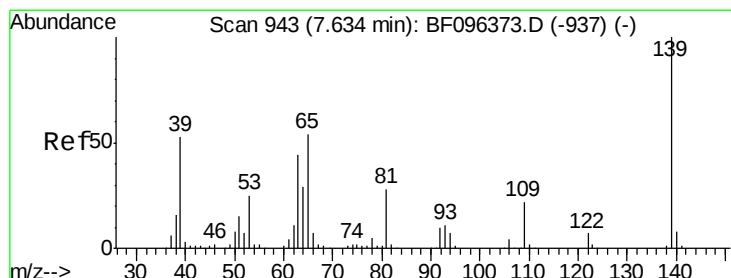
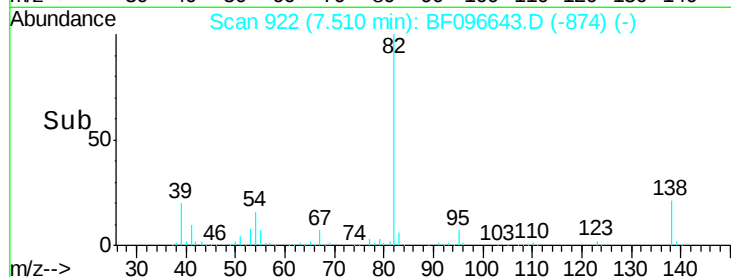
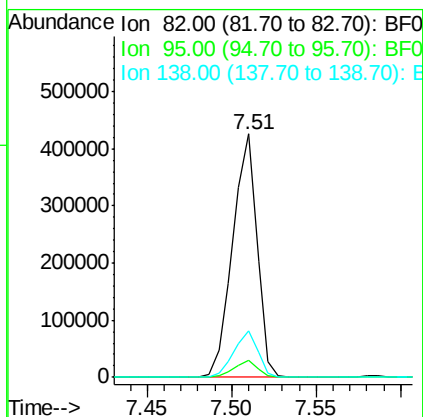
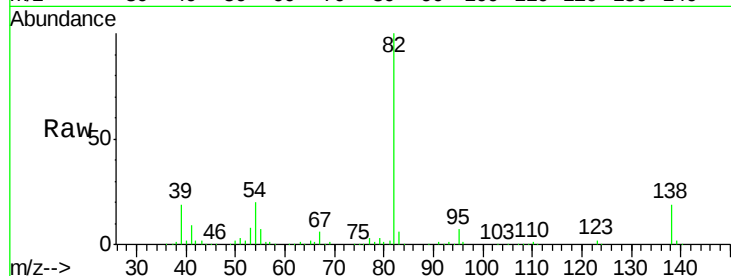
95 6.8 5.3 7.9

138 18.9 13.1 19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 29.698 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

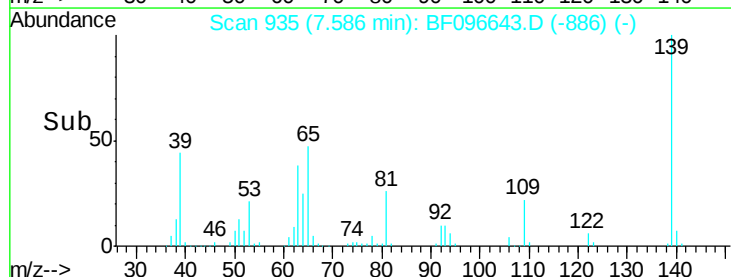
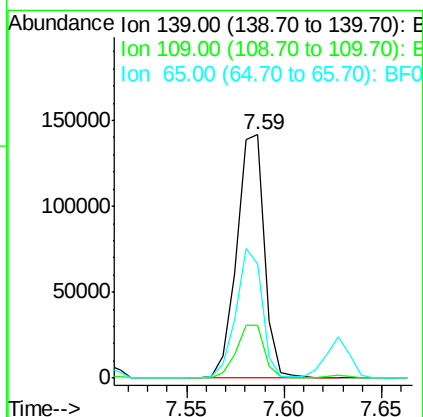
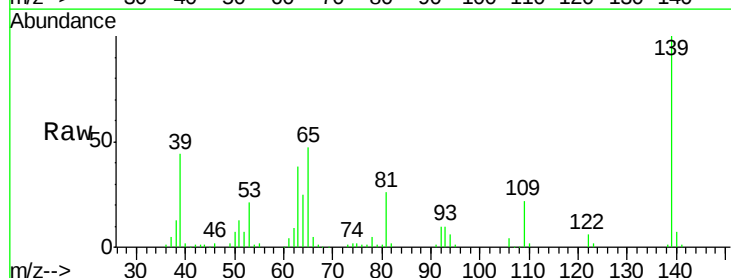
Tgt Ion: 139 Resp: 139083

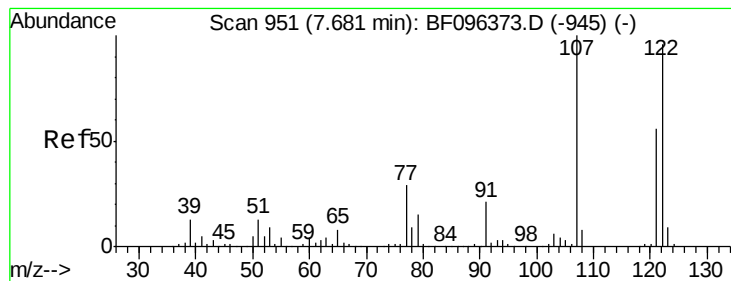
Ion Ratio Lower Upper

139 100

109 21.7 21.0 31.6

65 47.2 33.0 49.6





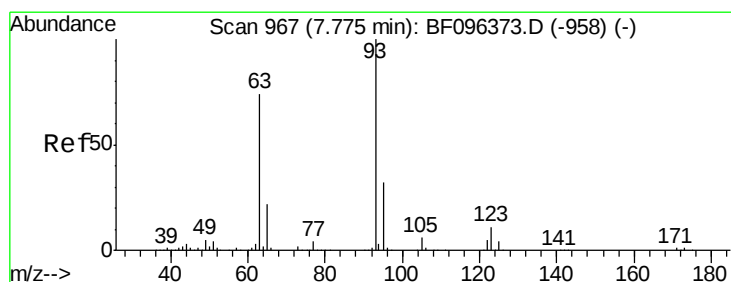
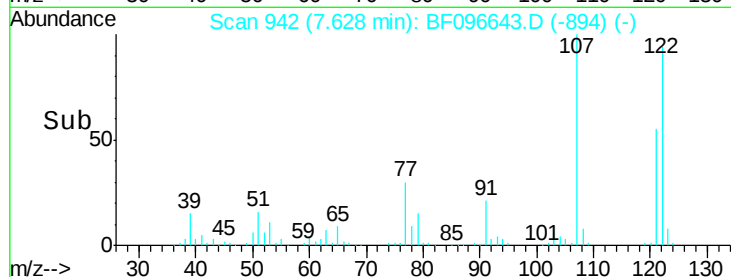
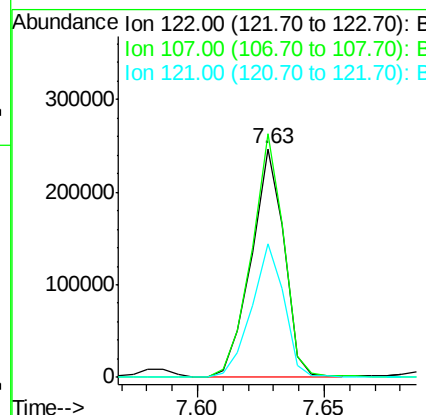
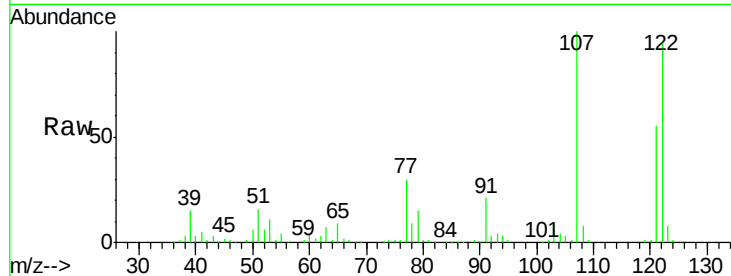
#27
 2,4-Dimethylphenol
 Concen: 28.125 ng
 RT: 7.63 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
122	100		
107	106.5	89.2	133.8
121	58.2	45.2	67.8

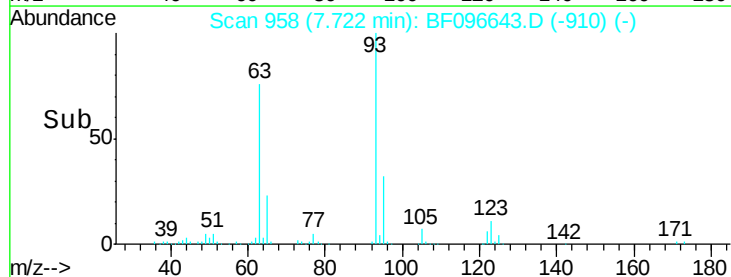
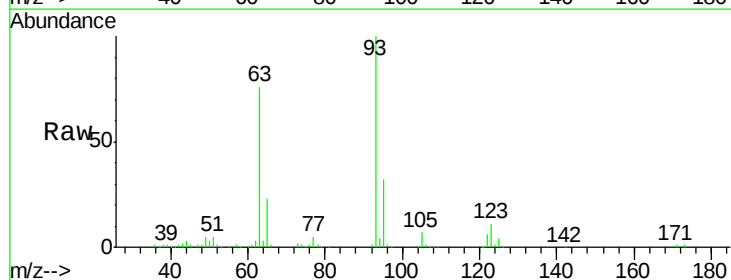
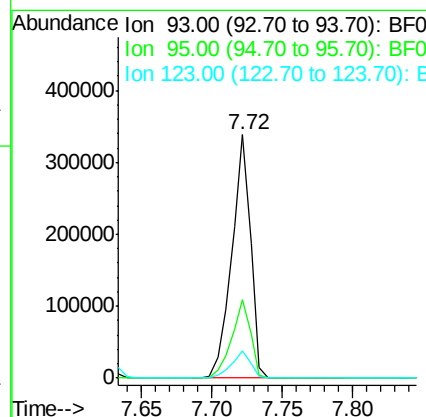
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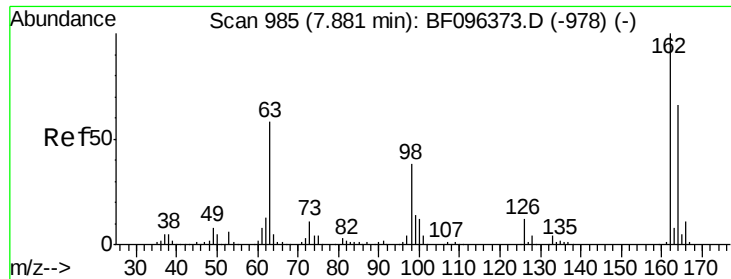
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#28
 bis(2-Chloroethoxy)methane
 Concen: 28.807 ng
 RT: 7.72 min Scan# 958
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	11.4	9.0	13.4





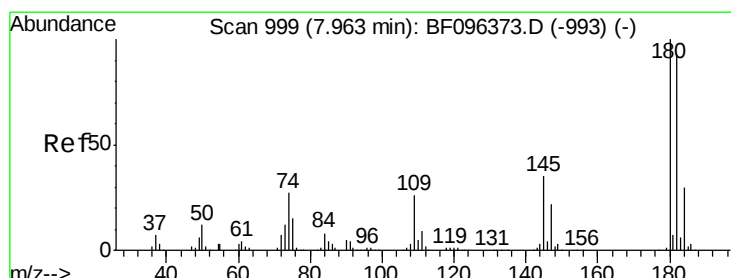
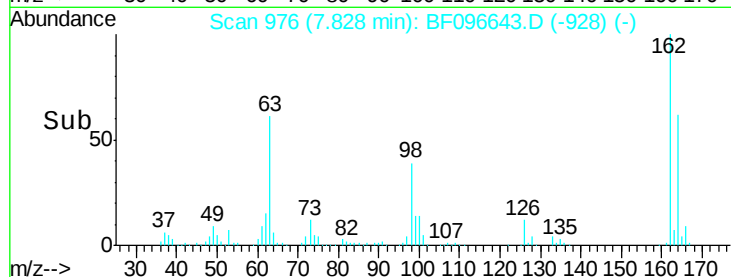
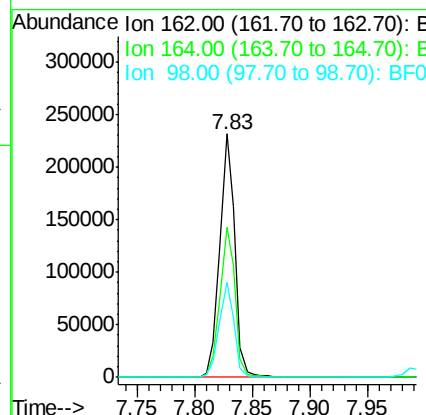
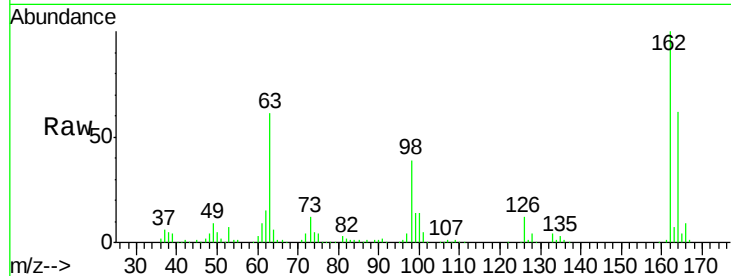
#29
2,4-Dichlorophenol
Concen: 30.391 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	209094		
164	61.8	44.6	84.6	
98	39.1	14.8	54.8	

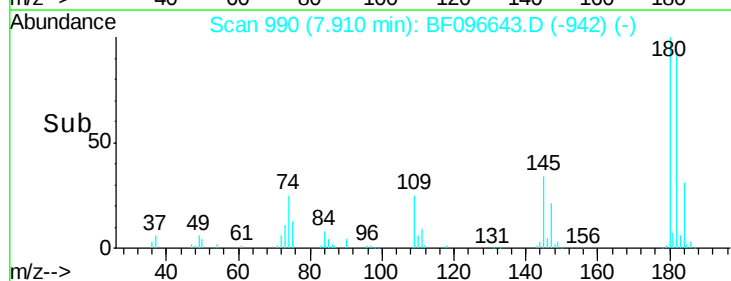
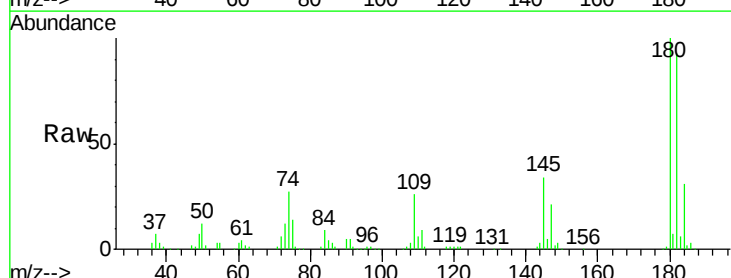
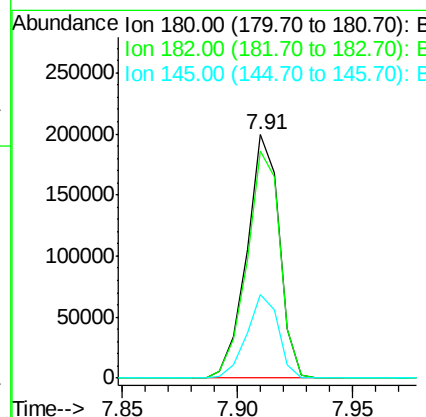
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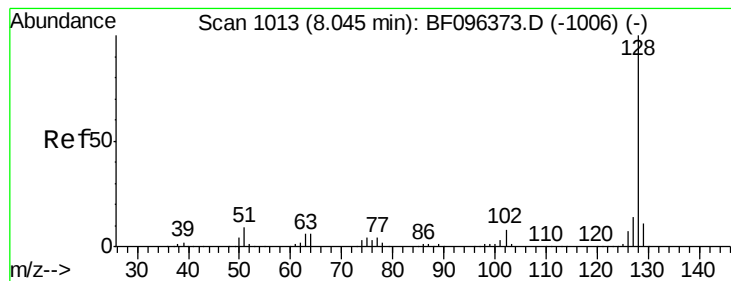
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#30
1,2,4-Trichlorobenzene
Concen: 30.243 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	196279		
182	93.2	75.8	113.6	
145	34.3	25.3	37.9	





#31

Naphthalene

Concen: 29.982 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

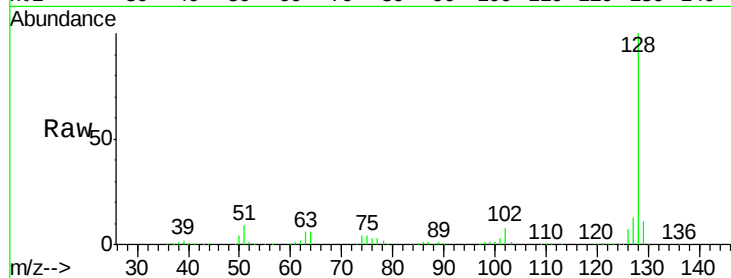
ClientSampled :

NAA-SANDMS

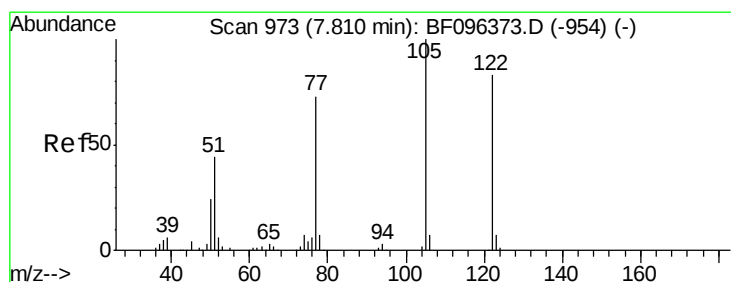
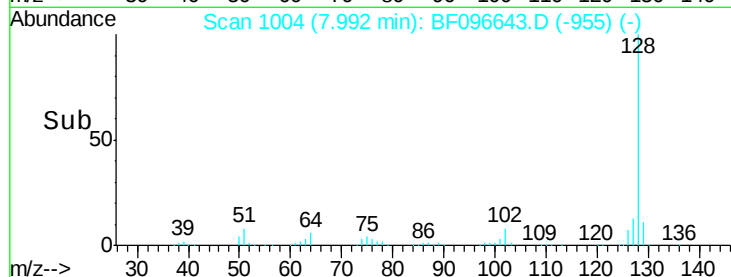
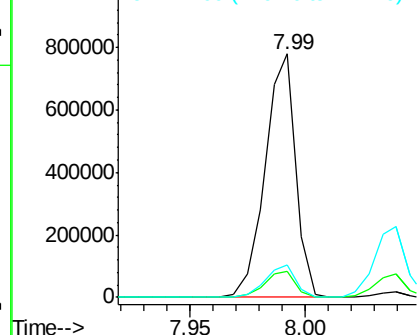
Tgt Ion:	128	Resp:	717387
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	13.2	10.8	16.2

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



#32

Benzoic acid

Concen: 6.675 ng

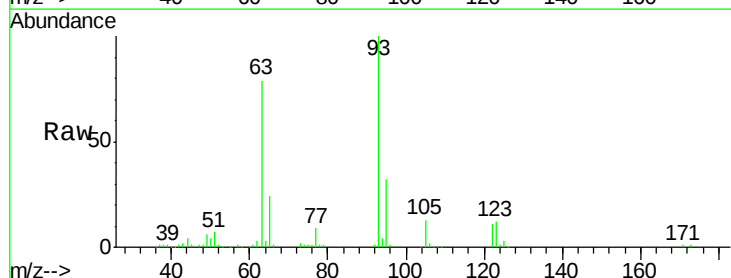
RT: 7.72 min Scan# 957

Delta R.T. -0.07 min

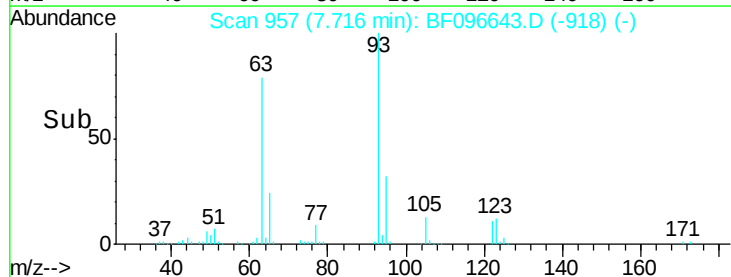
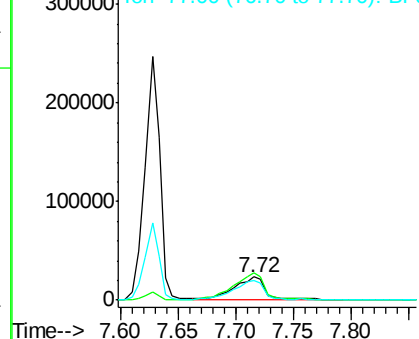
Lab File: BF096643.D

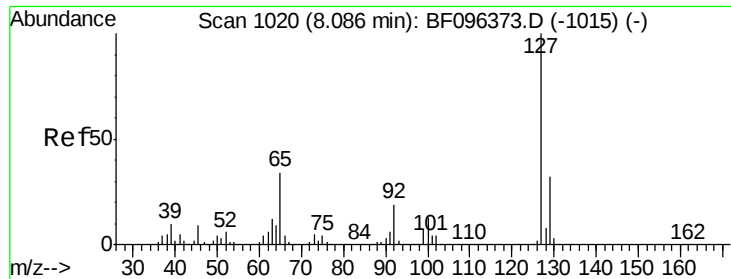
Acq: 11 Jul 2017 14:40

Tgt Ion:	122	Resp:	44701
Ion Ratio	Lower	Upper	
122	100		
105	116.5	103.3	143.3
77	84.7	73.7	113.7



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





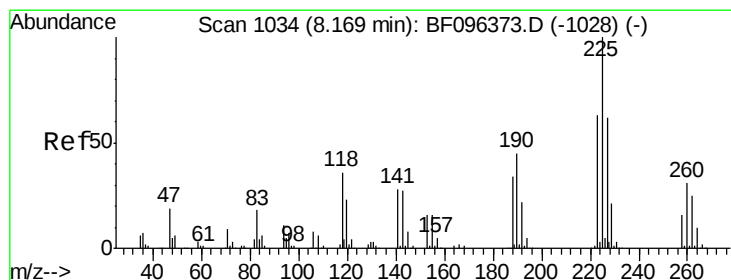
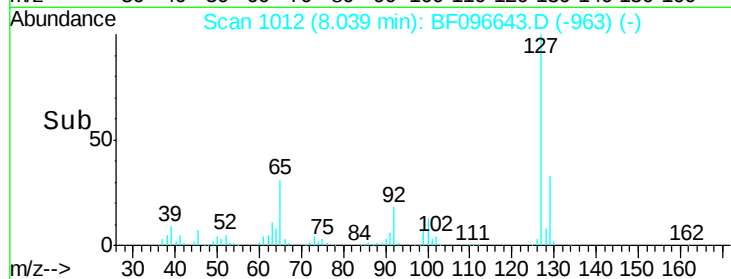
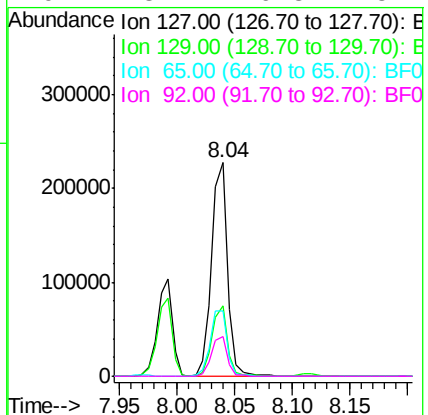
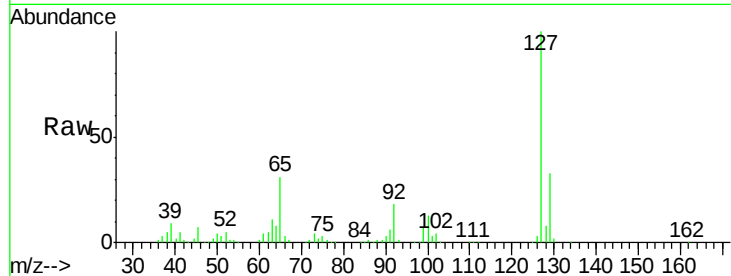
#33
4-Chloroaniline
Concen: 22.116 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	219798		
129	33.2	26.2	39.2	
65	30.7	27.8	41.8	
92	18.4	16.8	25.2	

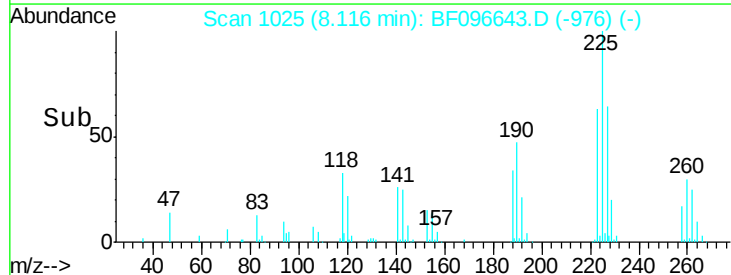
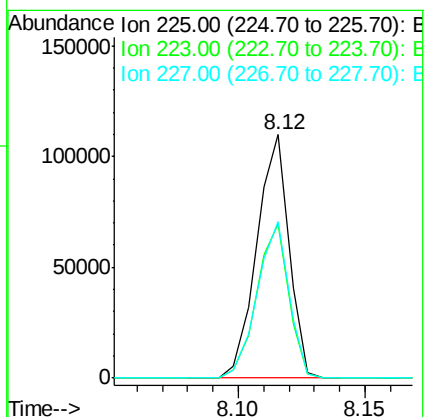
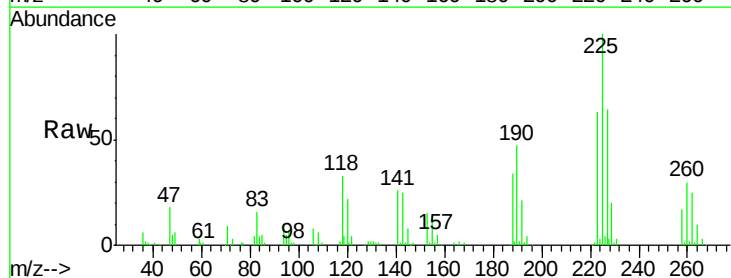
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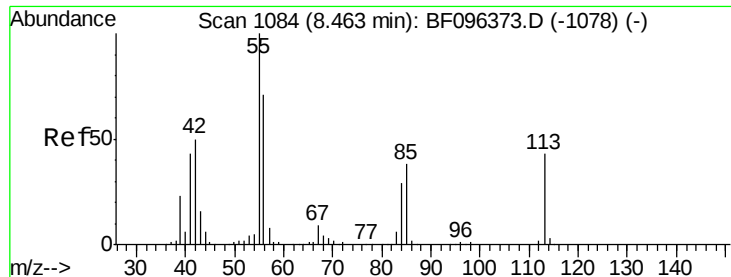
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#34
Hexachlorobutadiene
Concen: 29.361 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97735		
223	63.4	48.8	73.2	
227	64.3	51.1	76.7	





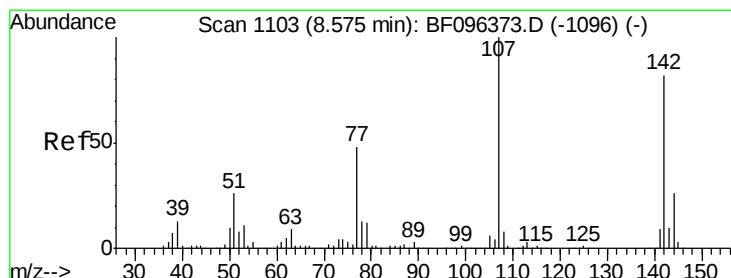
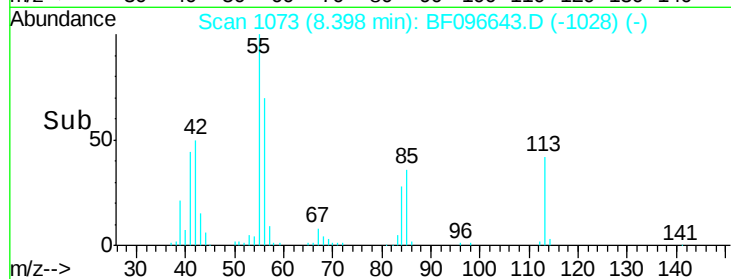
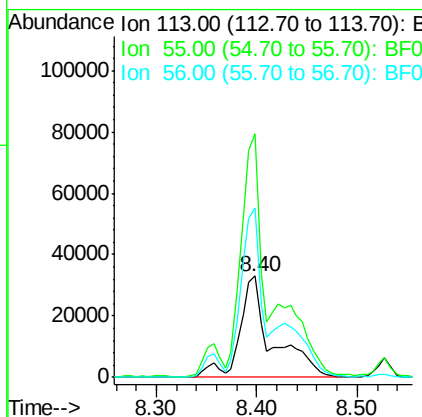
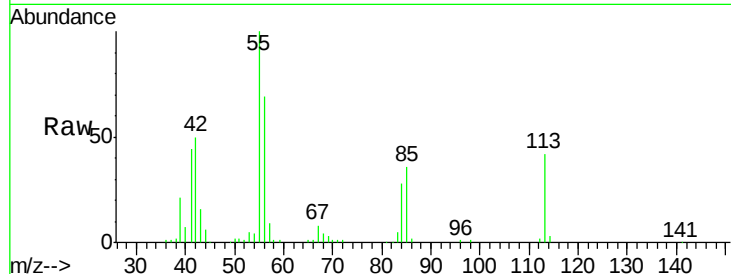
#35
 Caprolactam
 Concen: 31.211 ng m
 RT: 8.40 min Scan# 1073
 Delta R.T. -0.04 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion:113 Resp: 74049
 Ion Ratio Lower Upper
 113 100
 55 239.9 150.2 190.2#
 56 166.5 107.8 147.8#

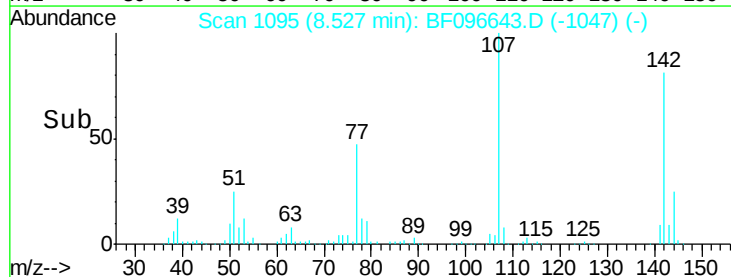
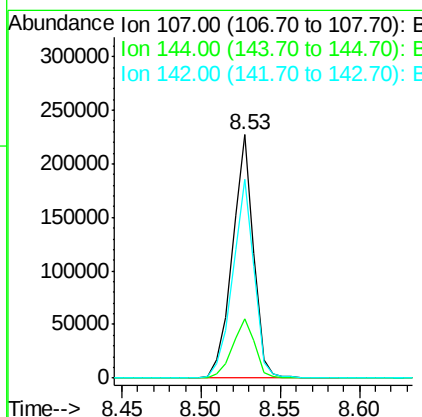
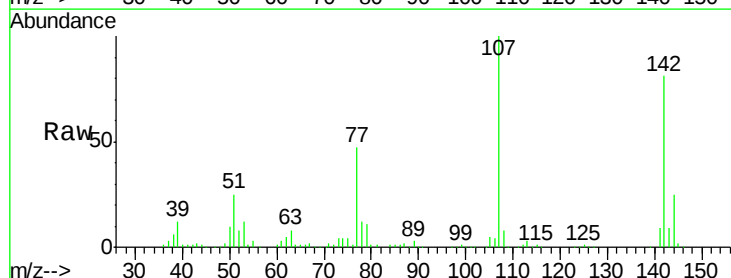
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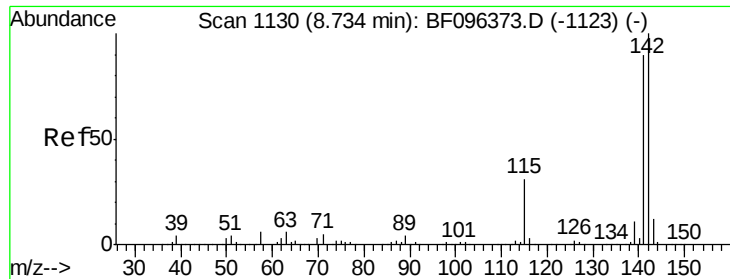
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#36
 4-Chloro-3-methylphenol
 Concen: 27.755 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion:107 Resp: 211296
 Ion Ratio Lower Upper
 107 100
 144 24.6 24.2 36.4
 142 81.5 73.4 110.0





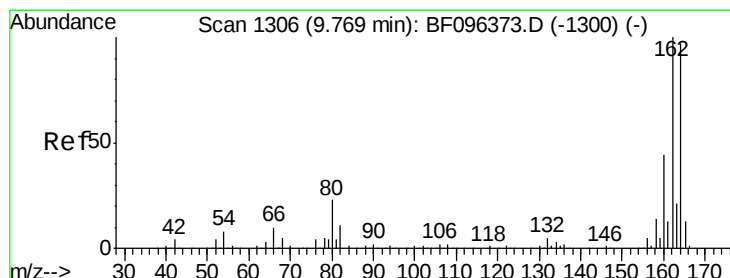
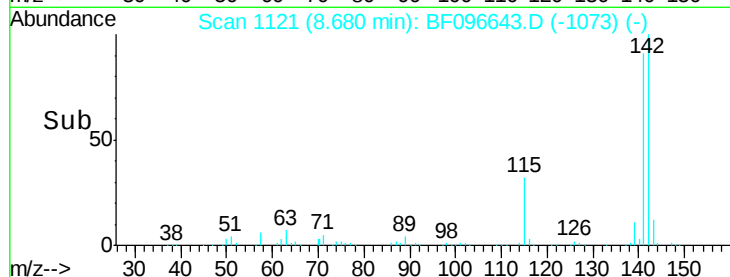
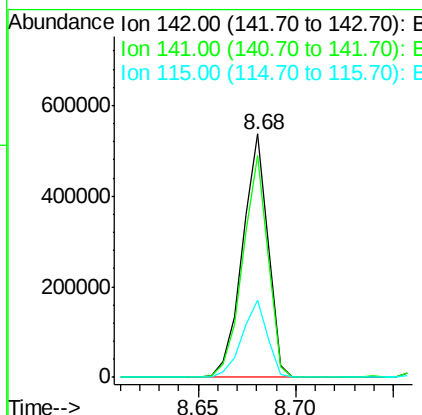
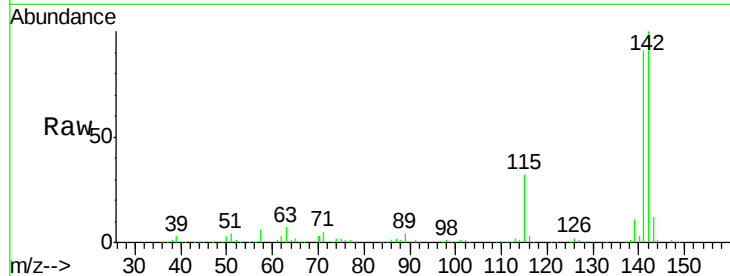
#37
 2-Methylnaphthalene
 Concen: 31.992 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.3	106.9
115	31.8	27.1	40.7

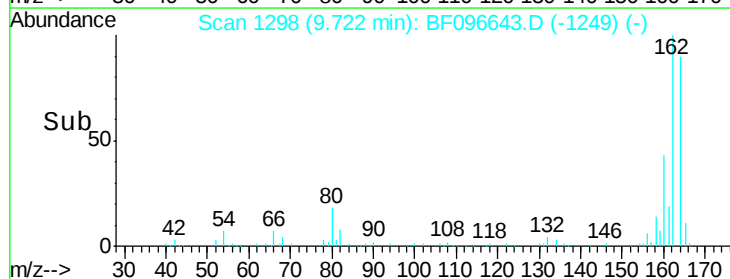
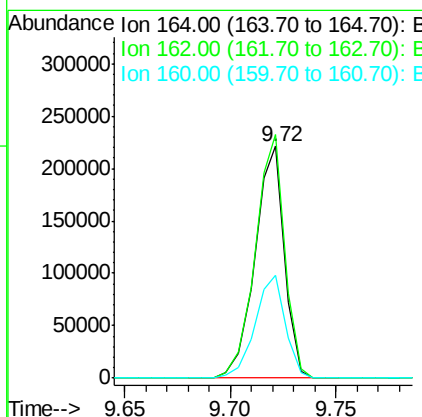
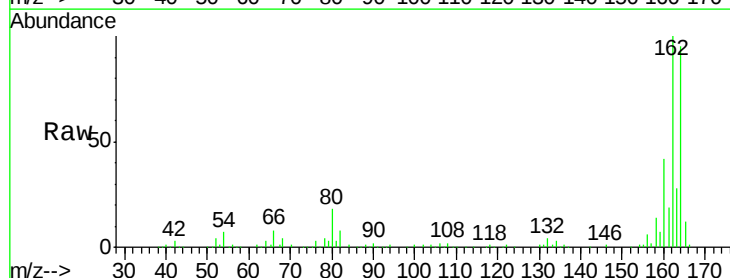
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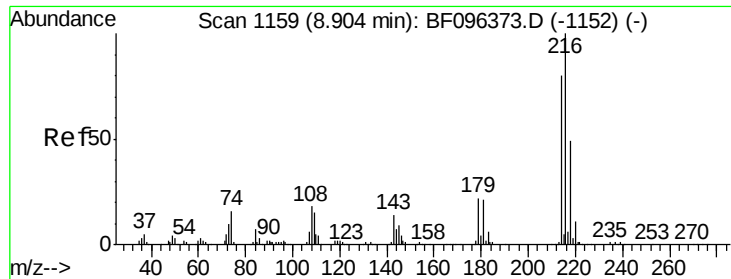
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	44.5	36.2	54.2





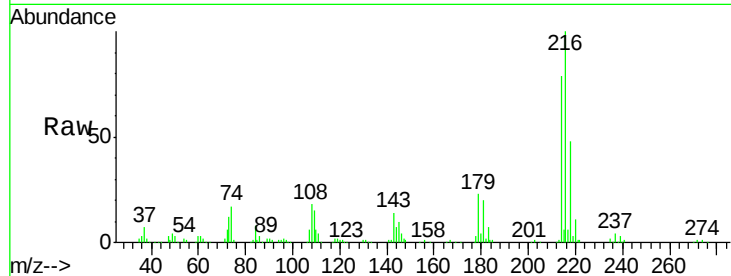
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 29.977 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

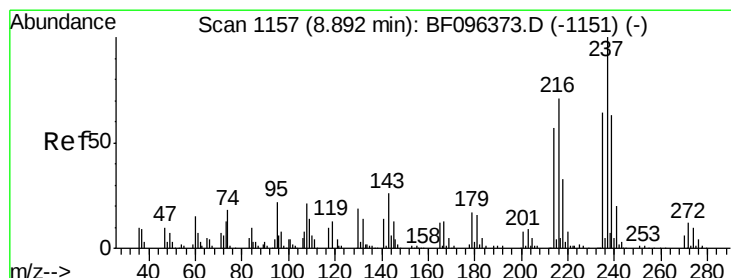
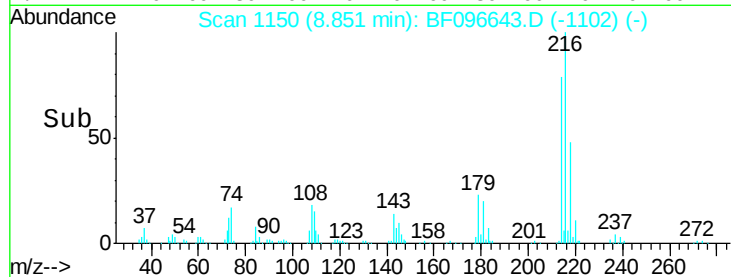
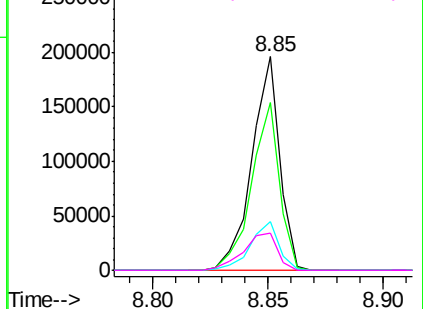
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	165965		
214	78.6	63.4	95.2	
179	23.1	17.9	26.9	
108	21.8	16.5	24.7	

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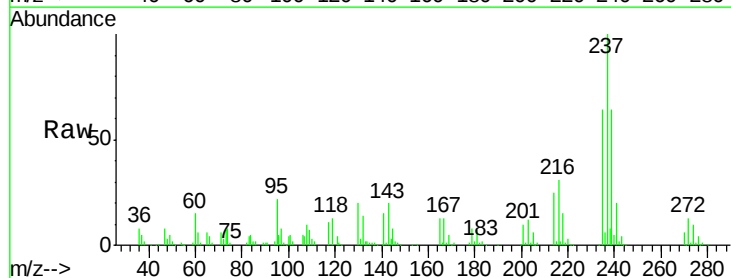


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

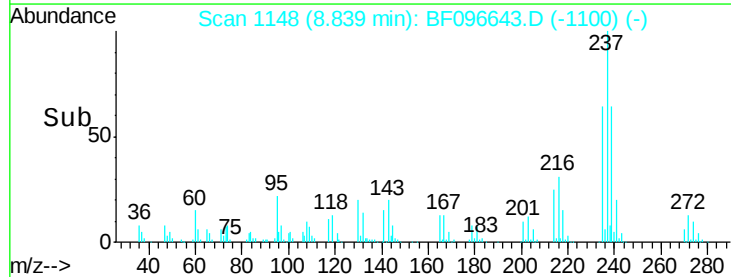
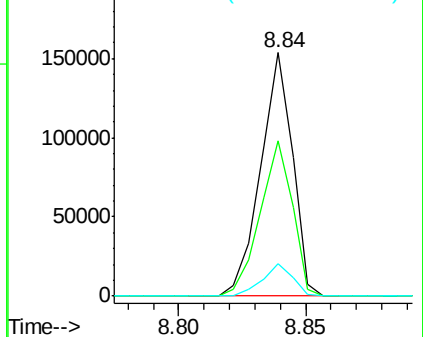


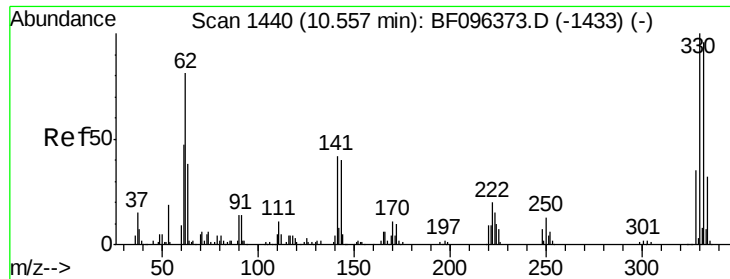
#40
 Hexachlorocyclopentadiene
 Concen: 50.276 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	135344		
235	63.5	42.6	82.6	
272	13.3	0.0	31.9	



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





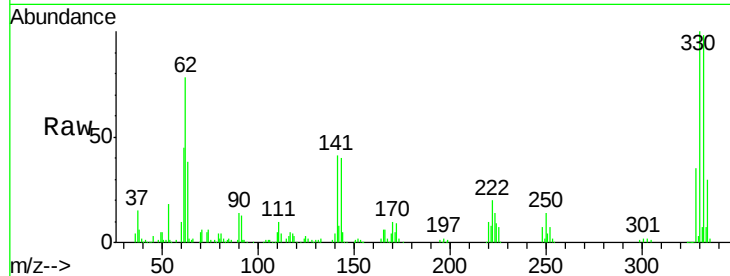
#41
 2,4,6-Tribromophenol
 Concen: 97.784 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

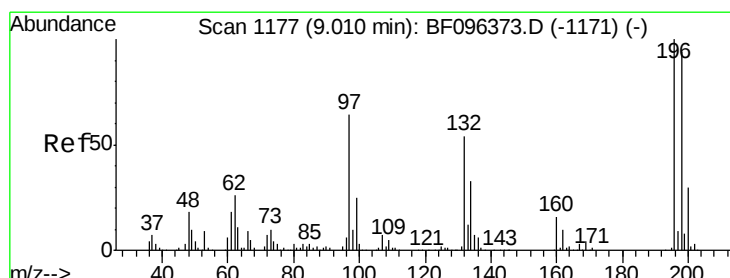
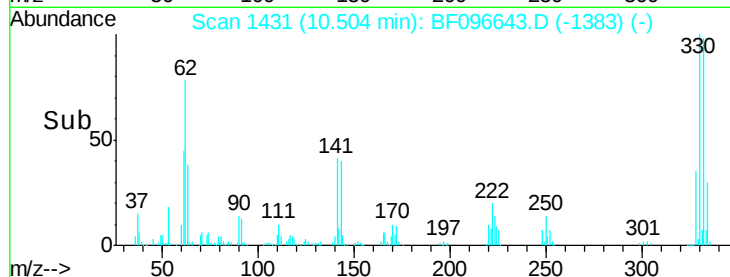
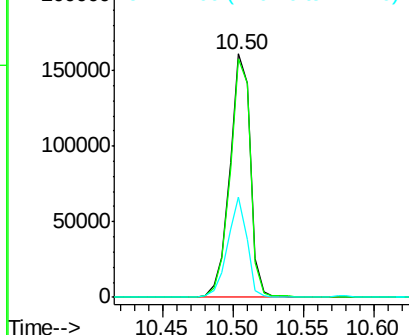
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	38.6	31.4	47.2

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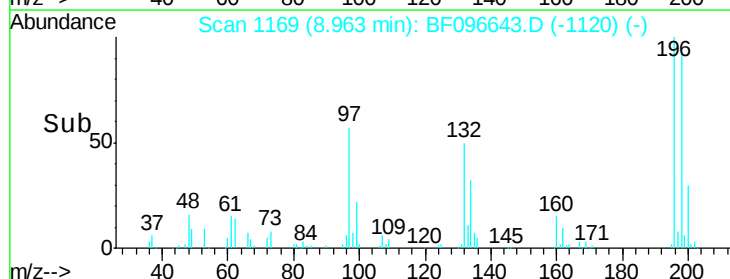
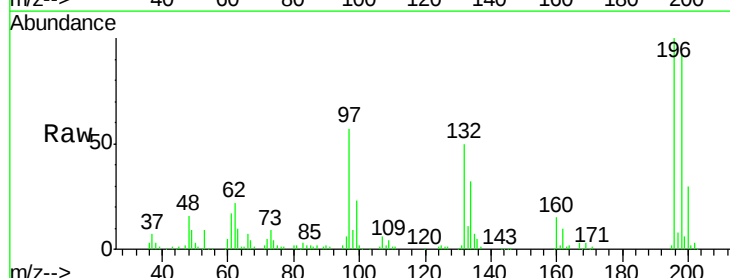
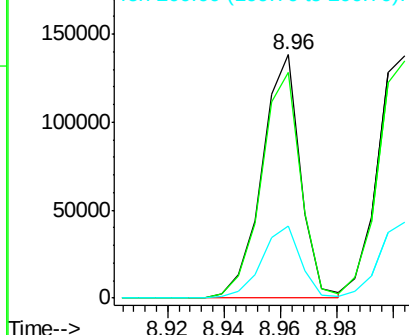
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 29.780 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.5	74.2	111.4
200	29.5	24.0	36.0

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





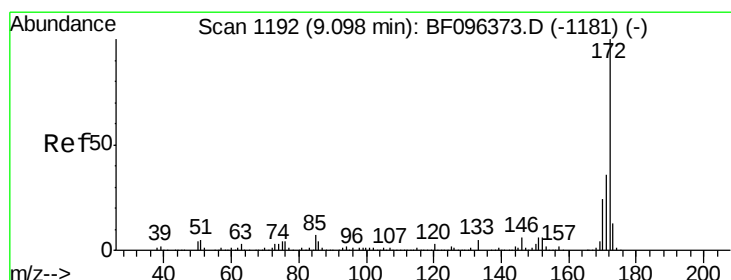
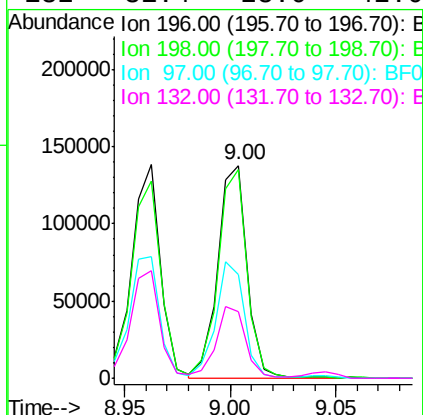
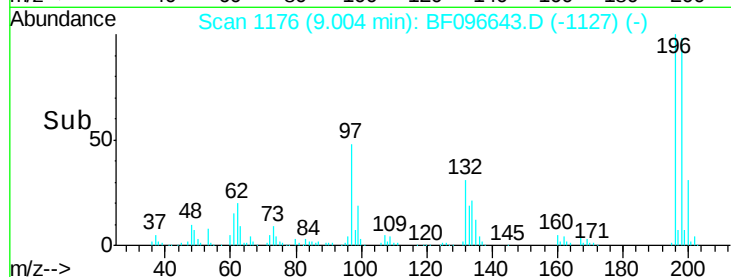
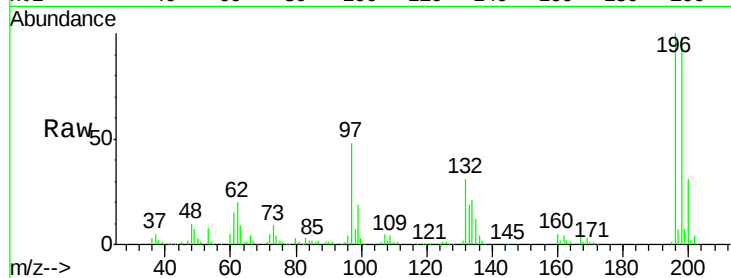
#43
 2,4,5-Trichlorophenol
 Concen: 30.526 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	132193		
198	98.0	75.7	113.5	
97	48.4	47.7	71.5	
132	31.4	28.0	42.0	

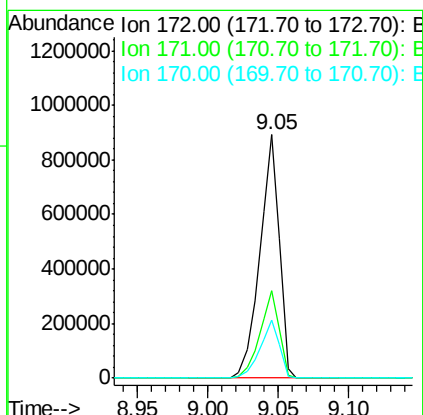
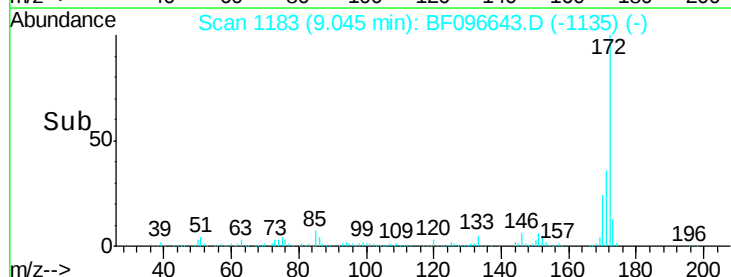
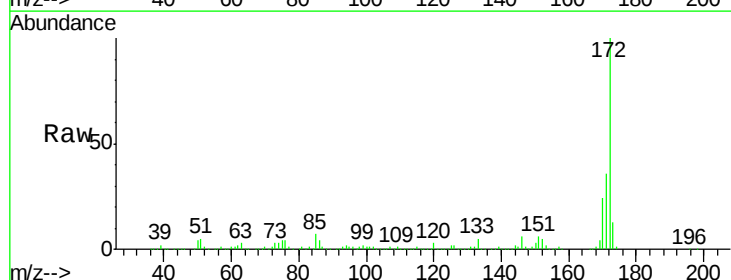
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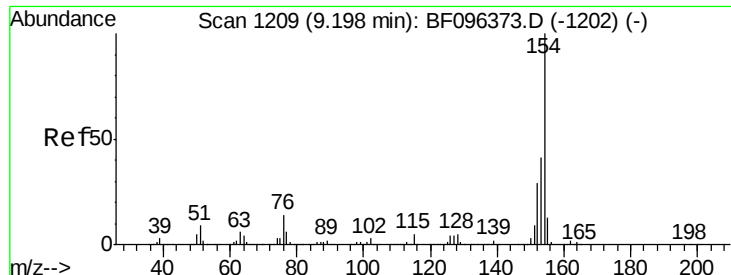
mohammad
 7/12/2017 4:49:37 PM



#44
 2-Fluorobiphenyl
 Concen: 69.768 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	870072		
171	35.8	29.6	44.4	
170	23.8	19.8	29.8	





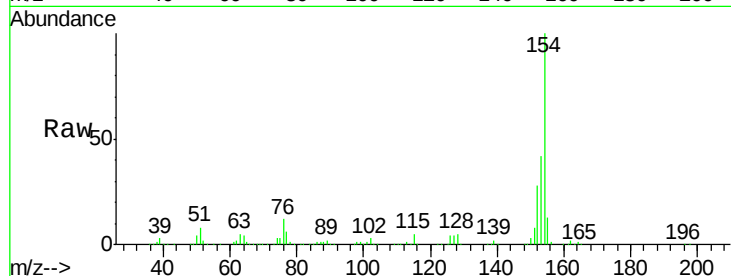
#45
 1,1'-Biphenyl
 Concen: 29.571 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	41.8	21.2	61.2
76	12.2	0.0	29.9

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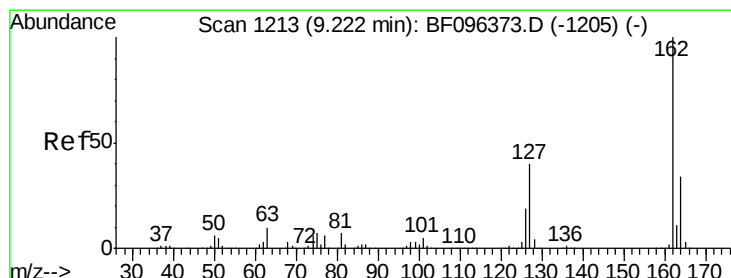
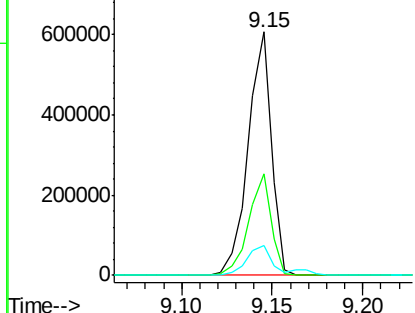
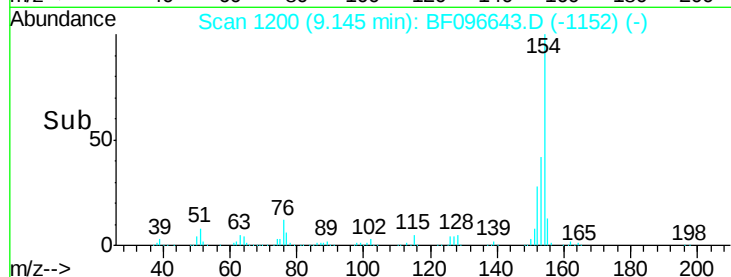


Abundance

Ion 154.00 (153.70 to 154.70): E

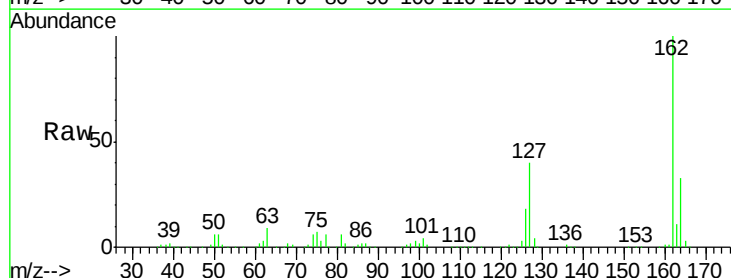
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46
 2-Chloronaphthalene
 Concen: 30.638 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
127	40.0	28.3	42.5
164	33.5	27.0	40.4

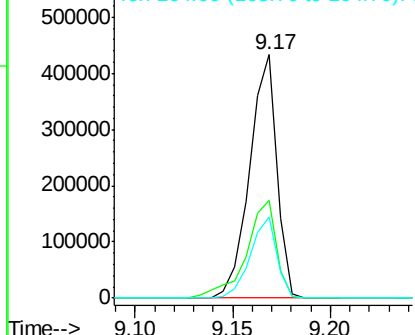
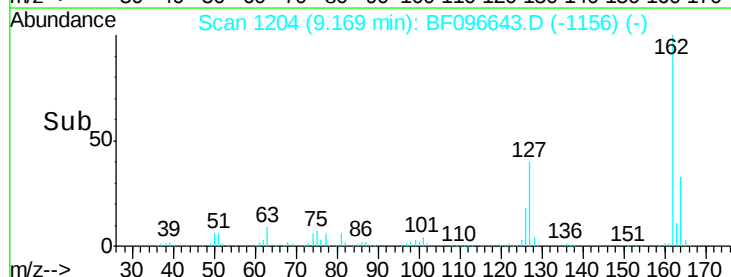


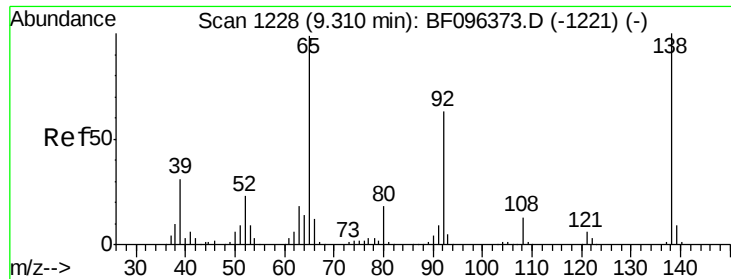
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





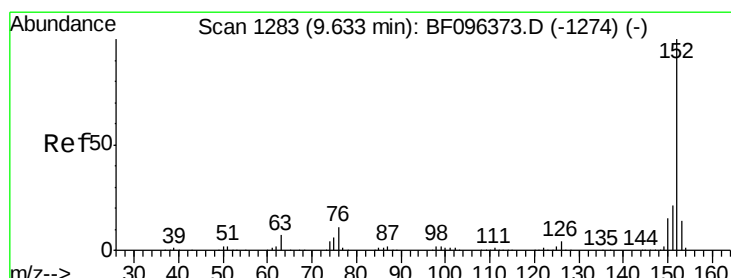
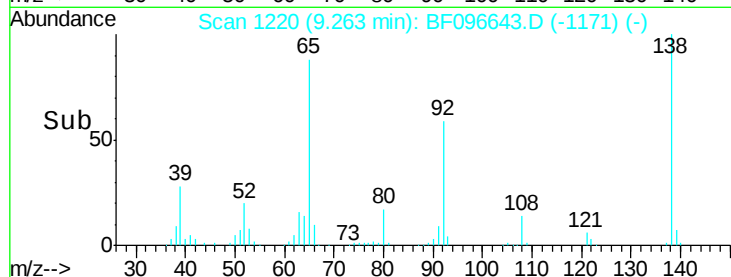
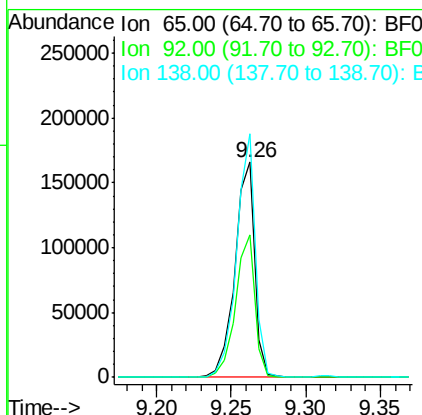
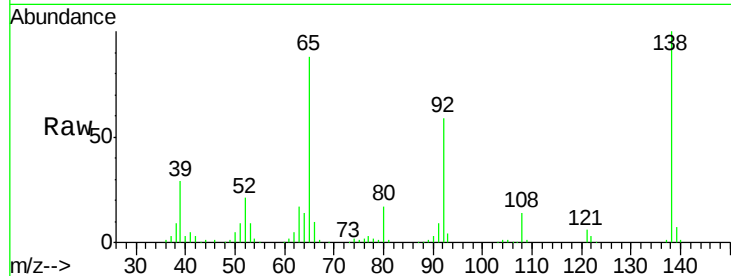
#47
2-Nitroaniline
Concen: 31.374 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.9	80.9
138	113.2	78.8	118.2

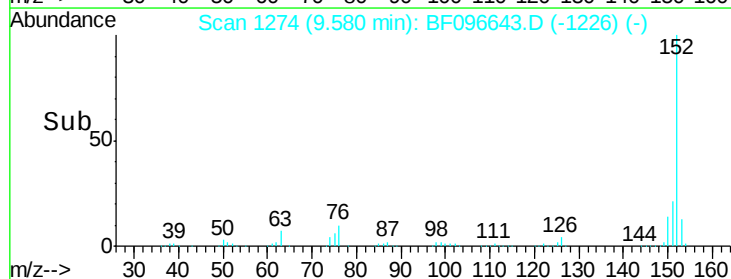
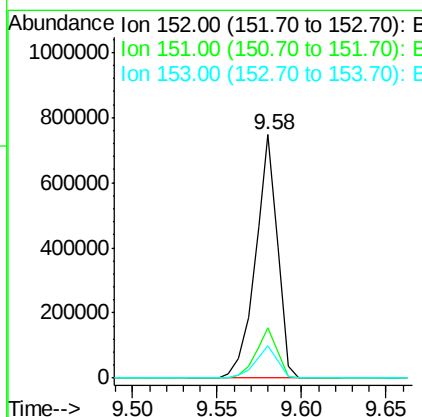
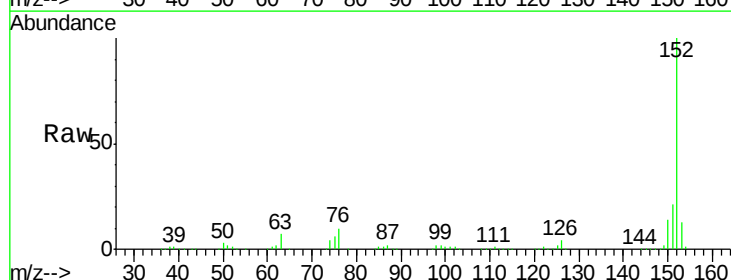
Manual Integrations
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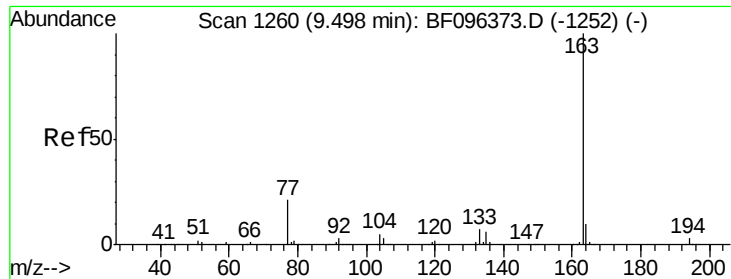
mohammad
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#48
Acenaphthylene
Concen: 31.265 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	13.2	10.8	16.2





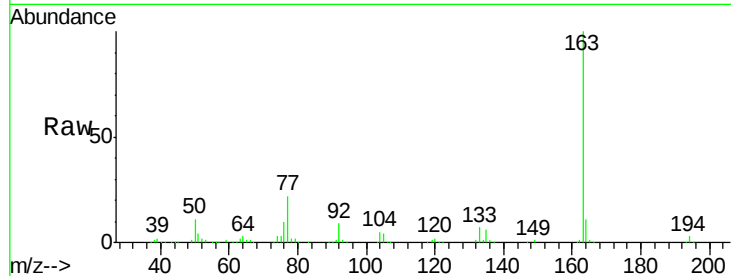
#49
Dimethylphthalate
Concen: 38.007 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

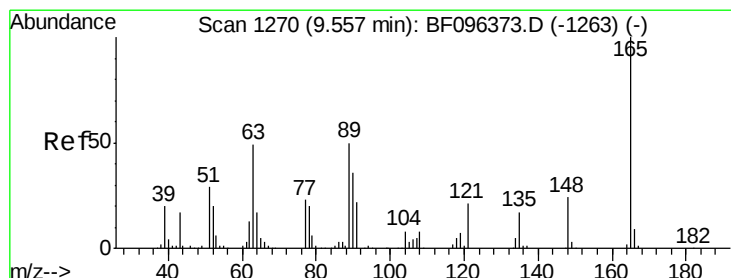
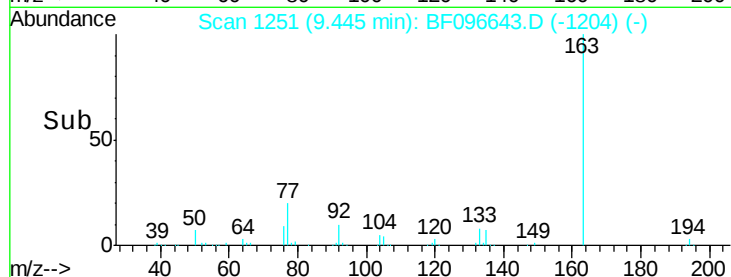
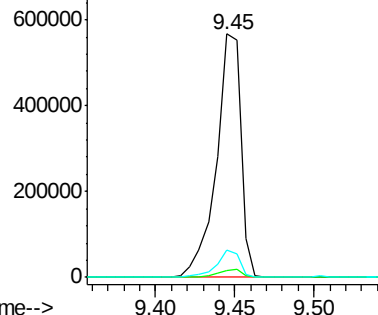
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	604978		
194	3.0		2.6	4.0
164	11.0		8.4	12.6

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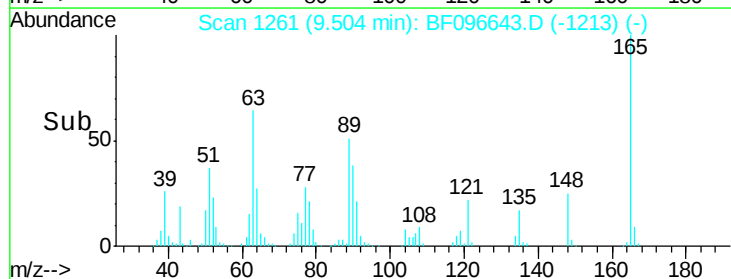
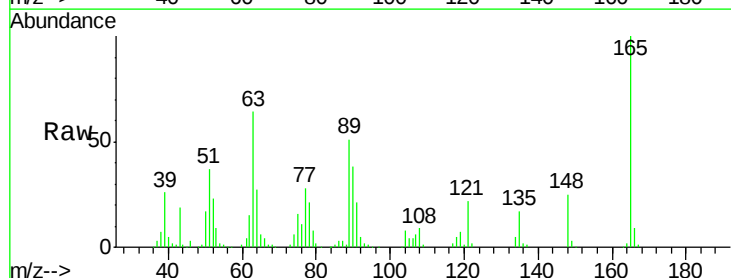
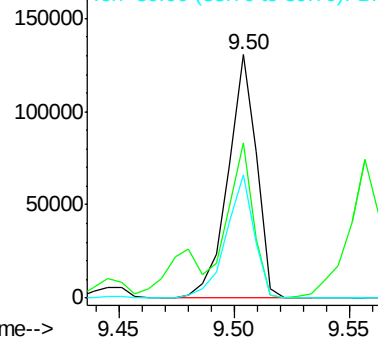
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

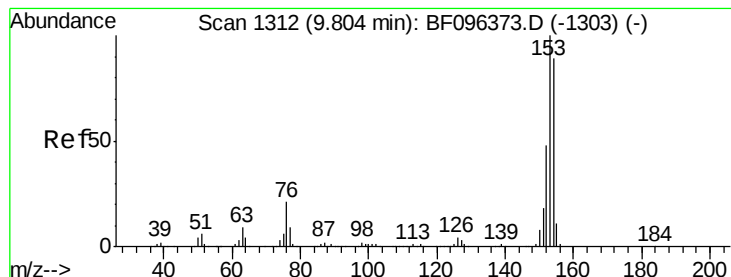


#50
2,6-Dinitrotoluene
Concen: 31.921 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	112359		
63	63.8		34.3	51.5#
89	50.6		37.1	55.7

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 29.315 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

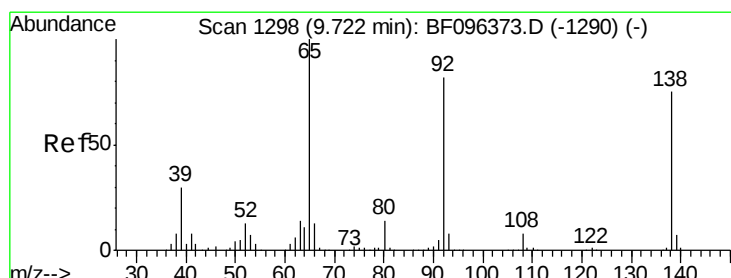
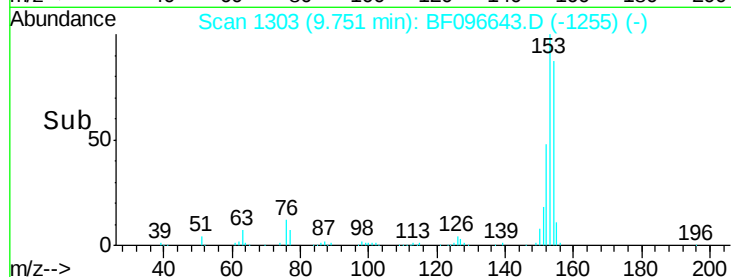
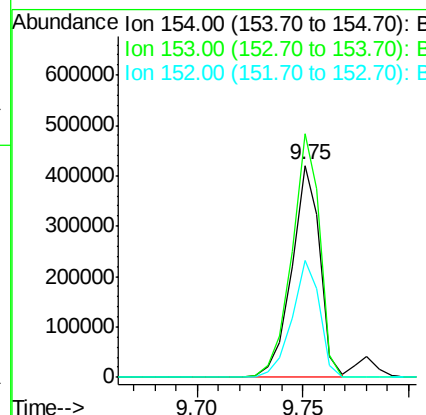
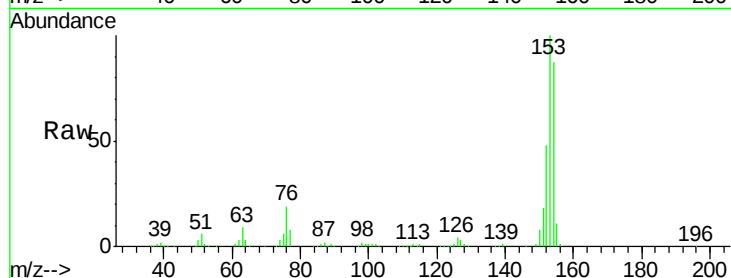
ClientSampleId :

NAA-SANDMS

Tgt Ion:	154	Resp:	389843
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.5	135.7
152	55.4	43.6	65.4

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#52

3-Nitroaniline

Concen: 24.923 ng

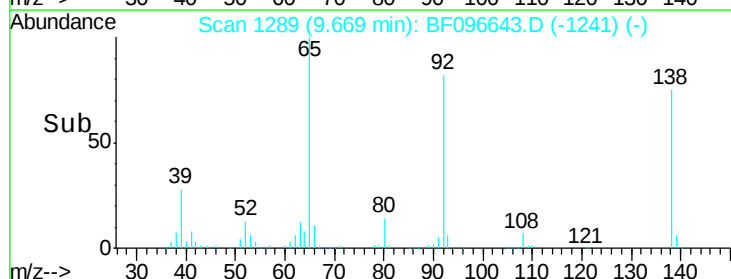
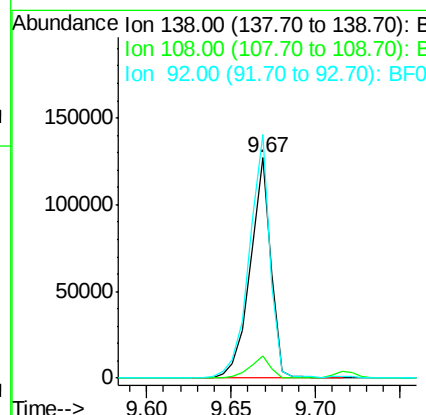
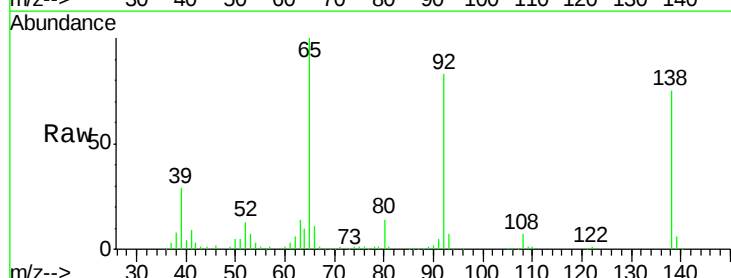
RT: 9.67 min Scan# 1289

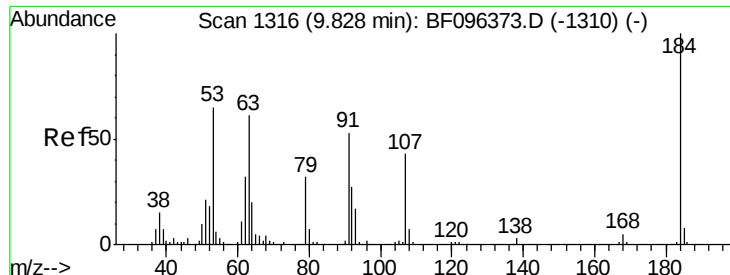
Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	138	Resp:	109418
Ion Ratio	Lower	Upper	
138	100		
108	9.9	9.1	13.7
92	110.6	93.8	140.6





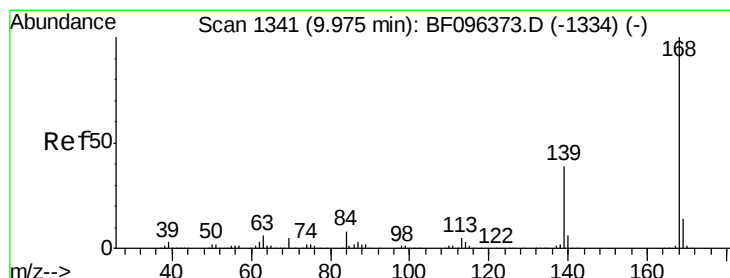
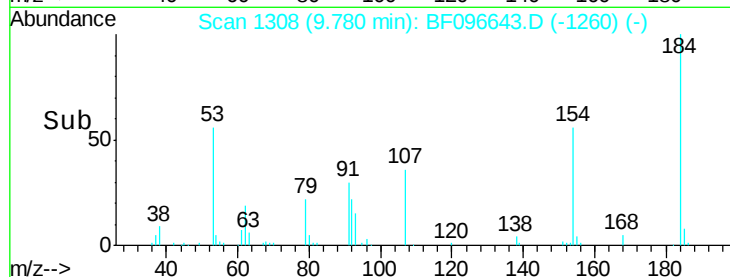
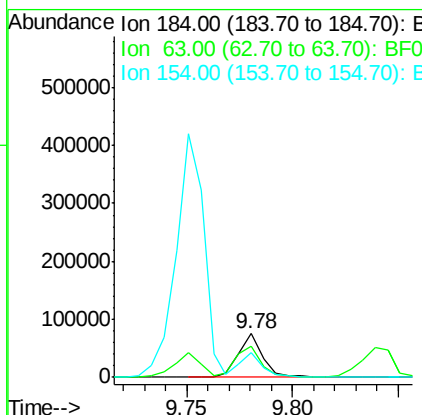
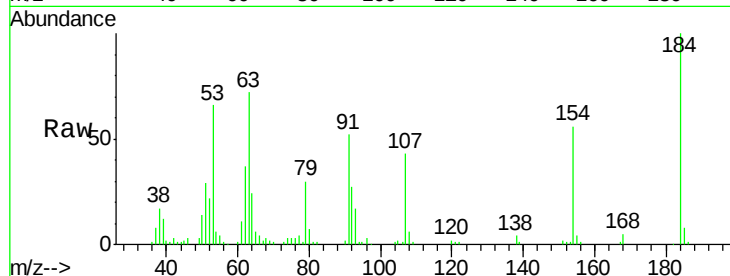
#53
2,4-Dinitrophenol
Concen: 32.109 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
184	100		
63	72.1	62.7	94.1
154	55.7	81.1	121.7#

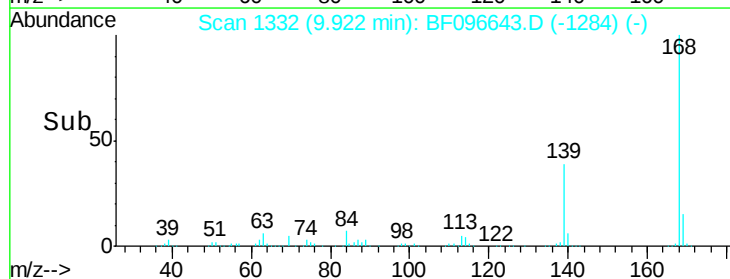
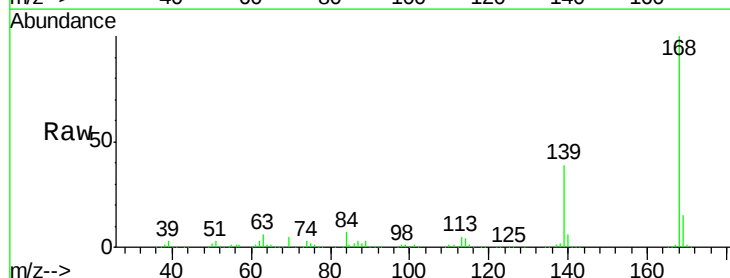
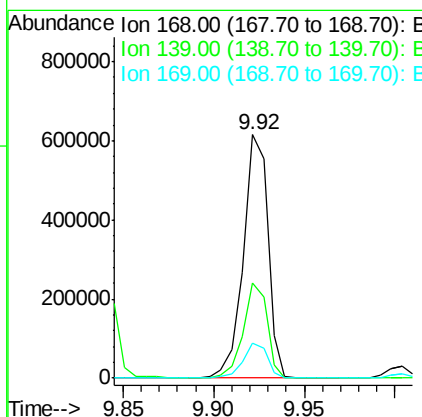
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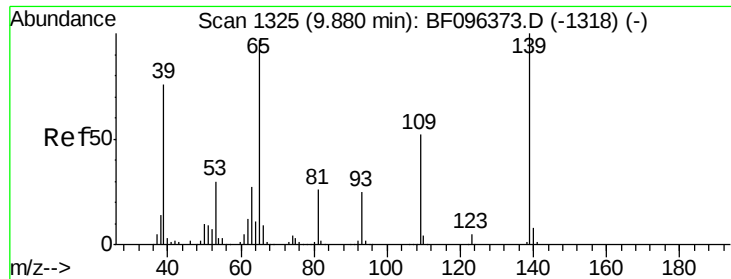
mohammad
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#54
Dibenzofuran
Concen: 33.142 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.6	45.8
169	14.5	10.8	16.2





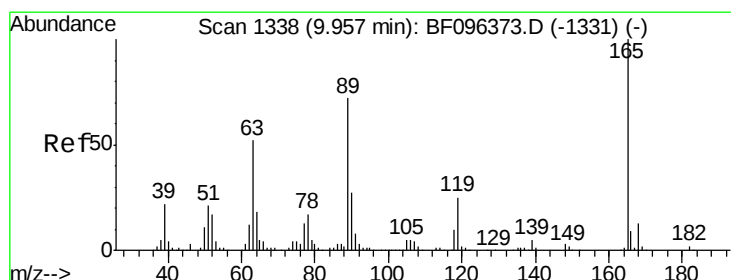
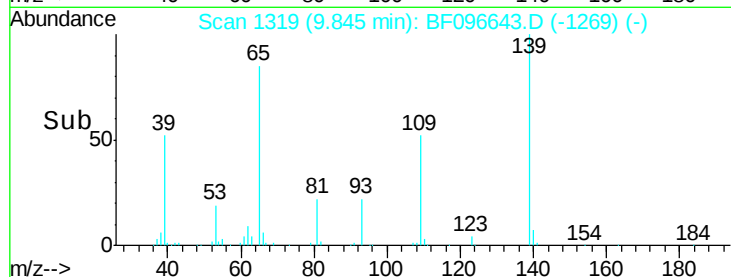
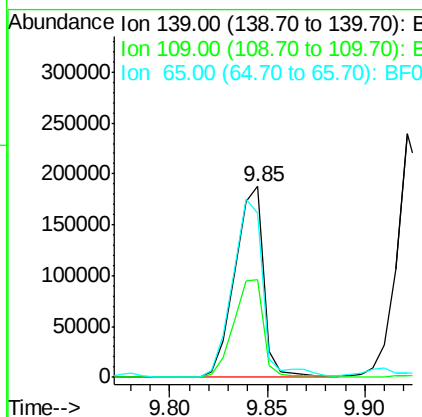
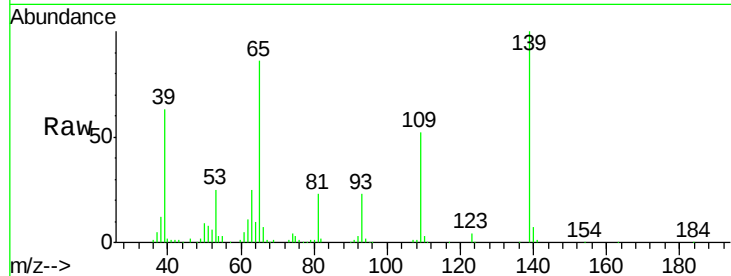
#55
4-Nitrophenol
Concen: 52.945 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	192660		
109	51.6	34.1	74.1	
65	85.9	31.4	71.4	

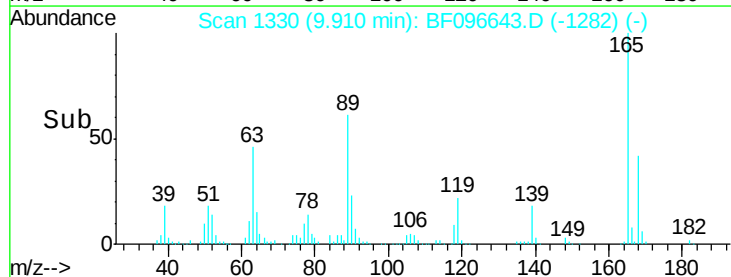
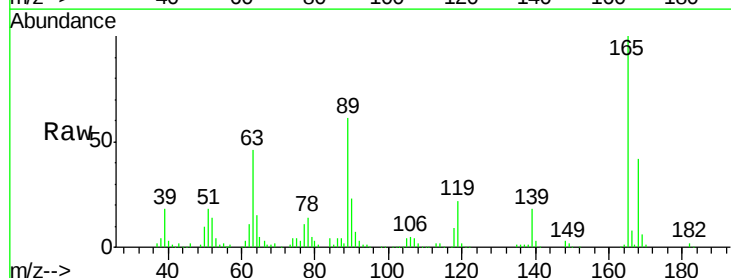
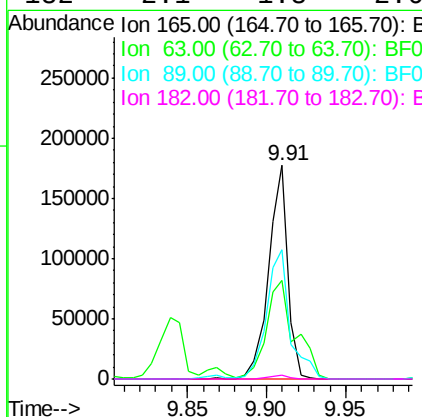
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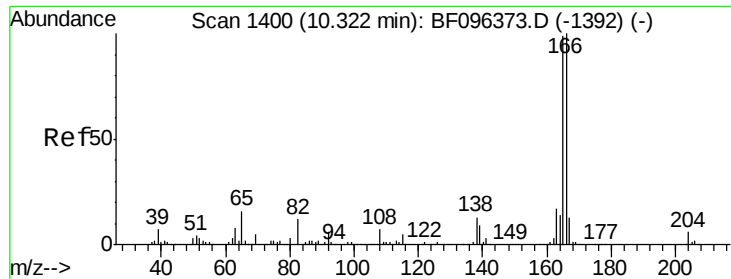
mohammad
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#56
2,4-Dinitrotoluene
Concen: 33.910 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	151152		
63	45.9	25.4	38.0	
89	60.6	46.4	69.6	
182	2.1	1.8	2.6	





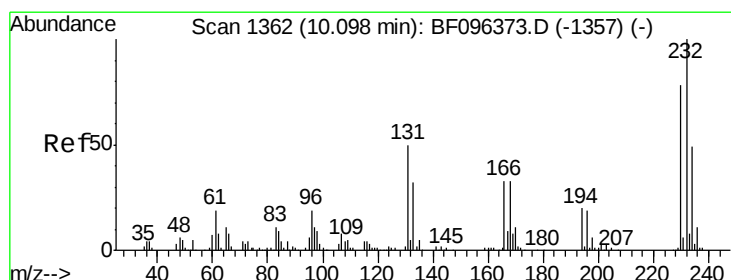
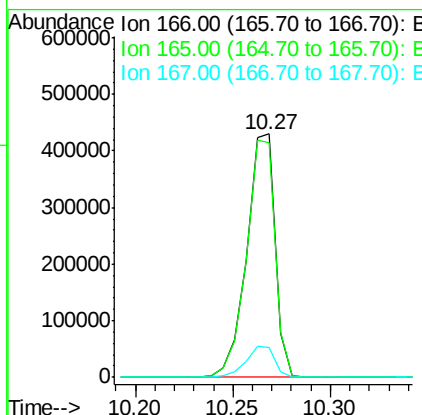
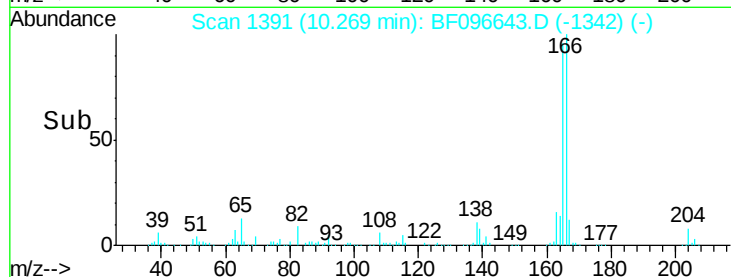
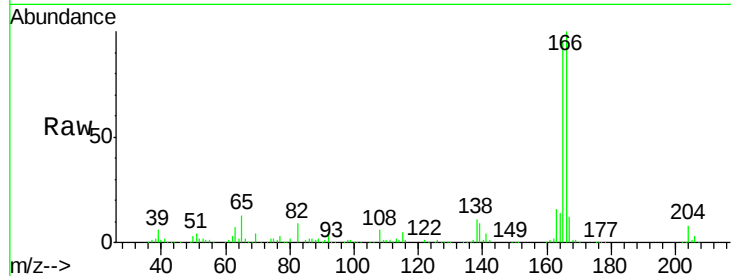
#57
 Fluorene
 Concen: 34.865 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	432326		
165	96.2	78.8	118.2	
167	12.3	10.6	16.0	

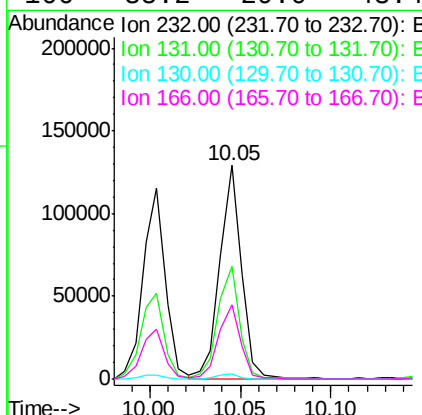
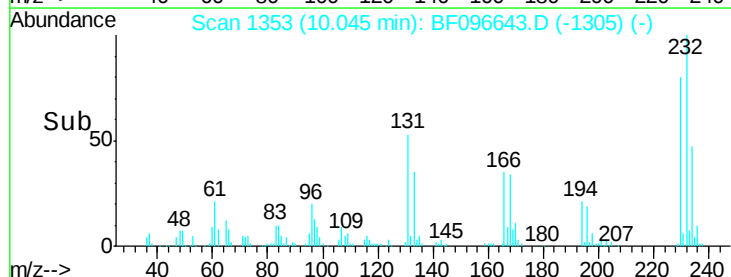
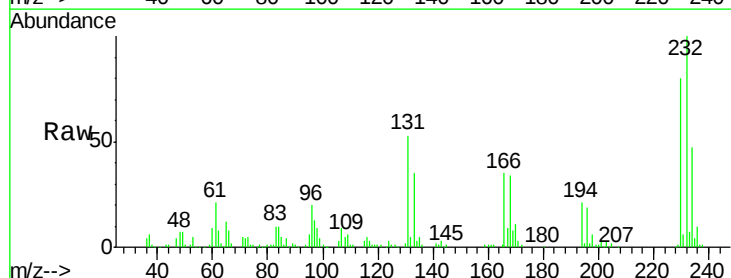
Manual Integrations
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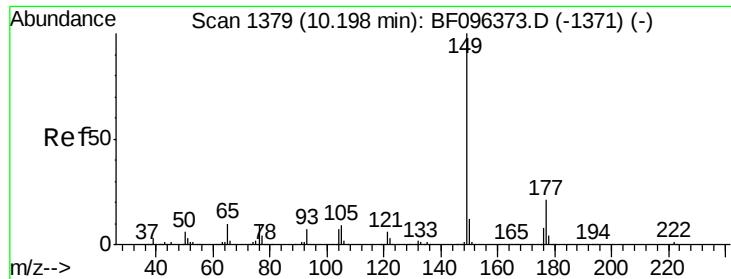
mohammad
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 36.018 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	107914		
131	53.4	44.8	67.2	
130	2.2	2.3	3.5	
166	35.2	29.0	43.4	





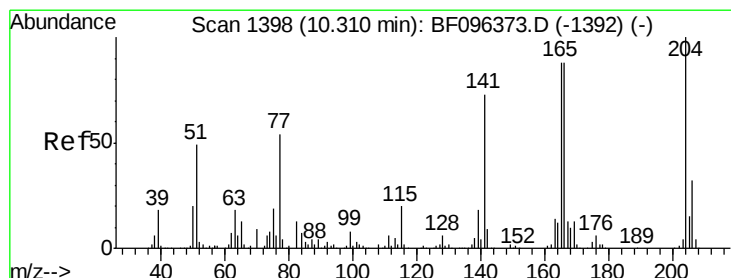
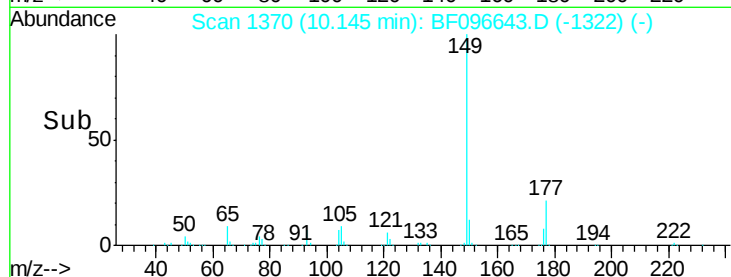
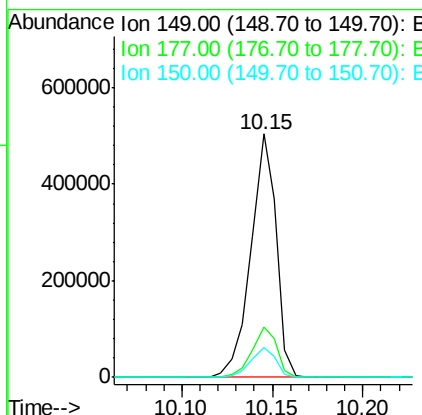
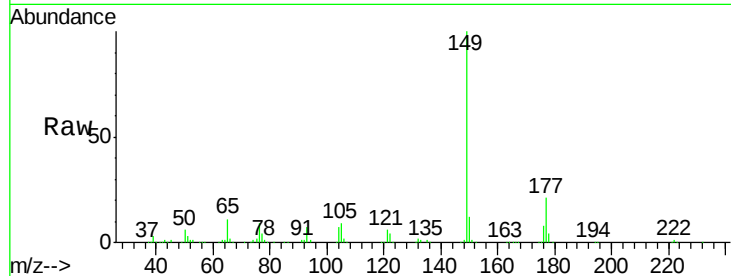
#59
Diethylphthalate
Concen: 32.426 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.8	16.7	25.1
150	12.4	10.2	15.2

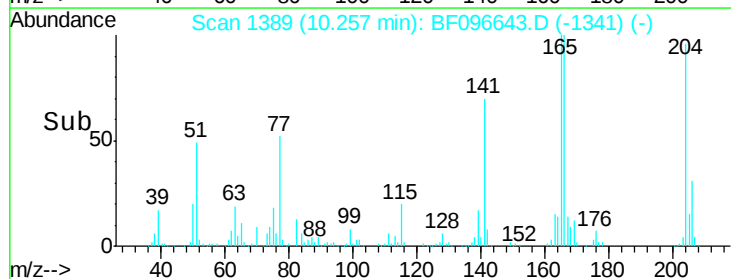
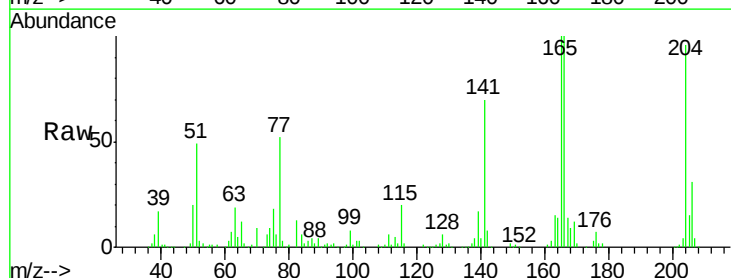
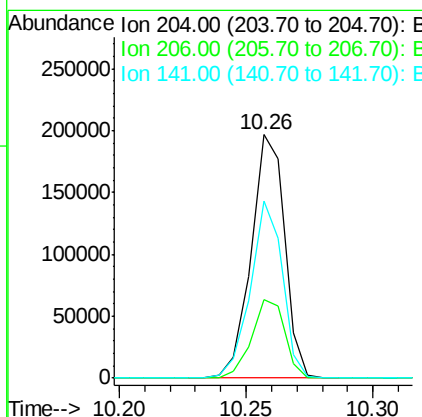
Manual Integrations
APPROVED

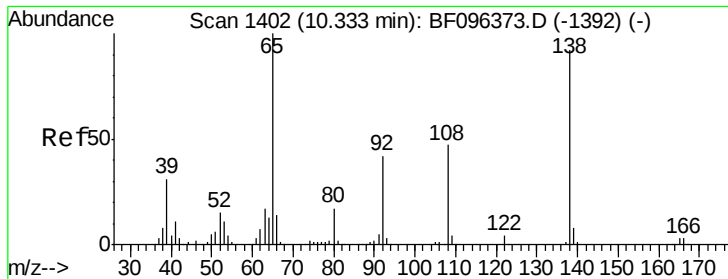
mohammad
7/12/2017 4:49:37 PM



#60
4-Chlorophenyl-phenylether
Concen: 33.643 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.2
141	72.9	60.8	91.2





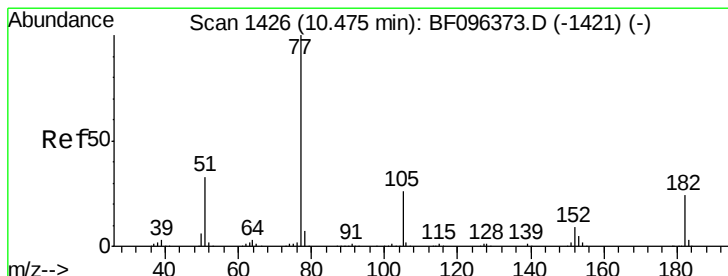
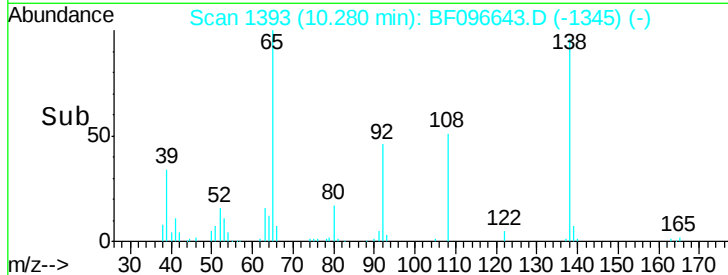
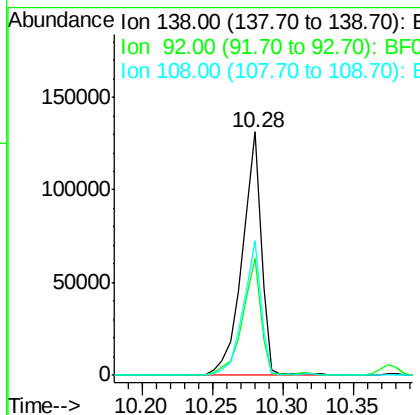
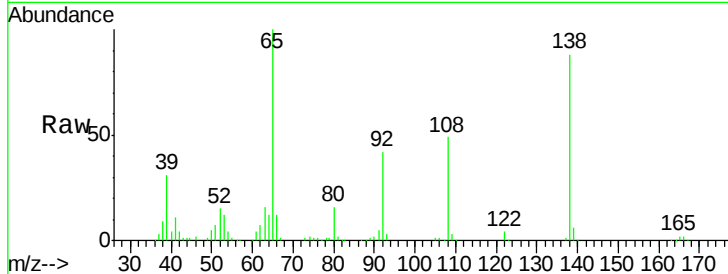
#61
4-Nitroaniline
Concen: 31.211 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	124592		
92	48.1	21.8	61.8	
108	55.6	42.3	82.3	

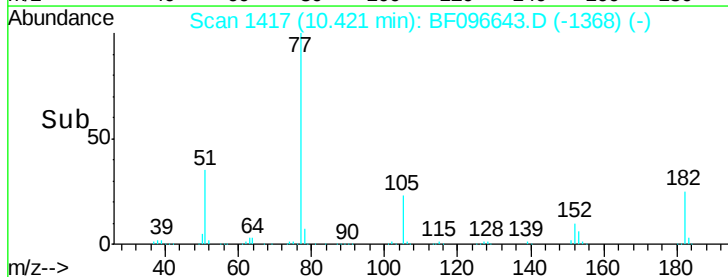
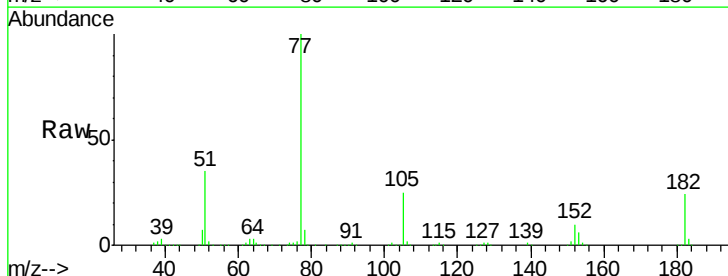
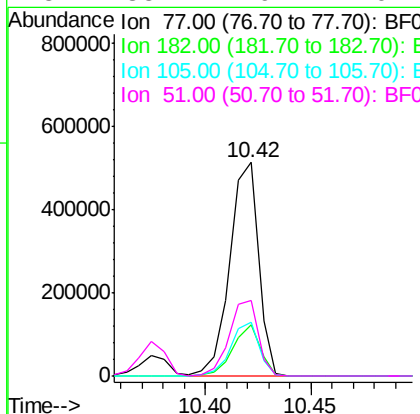
Manual Integrations
APPROVED

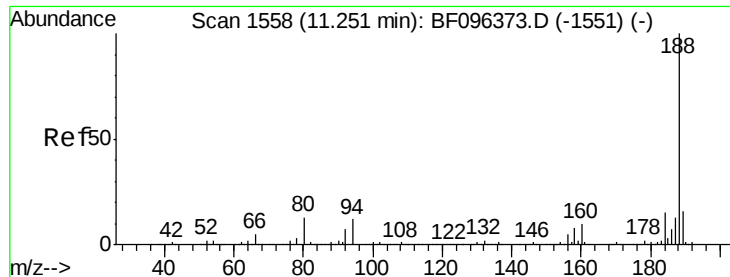
mohammad
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#62
Azobenzene
Concen: 33.126 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	481909		
182	24.3	0.1	40.1	
105	25.1	3.6	43.6	
51	35.4	9.4	49.4	





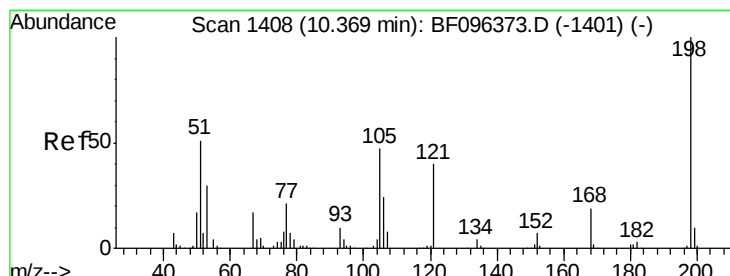
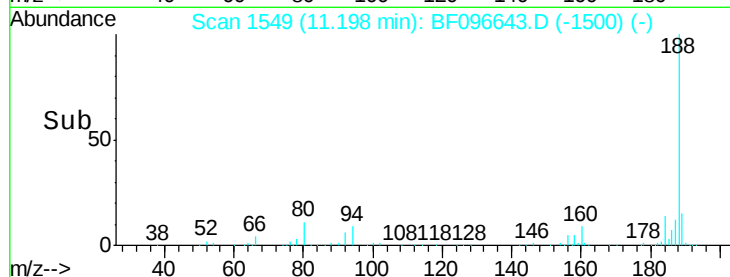
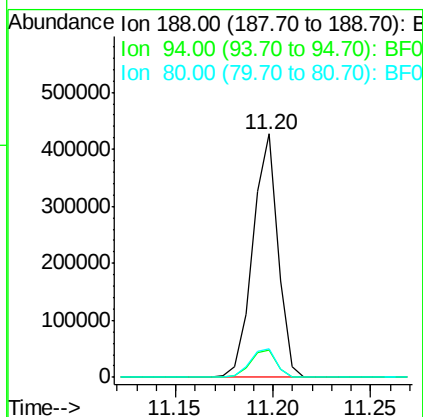
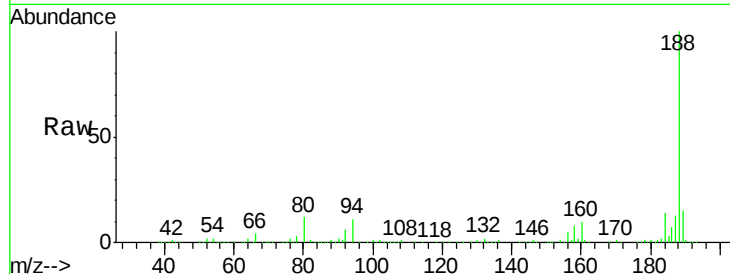
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.4	9.4	14.2
80	11.6	10.2	15.2

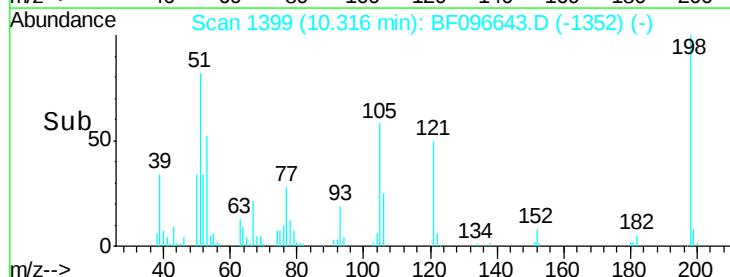
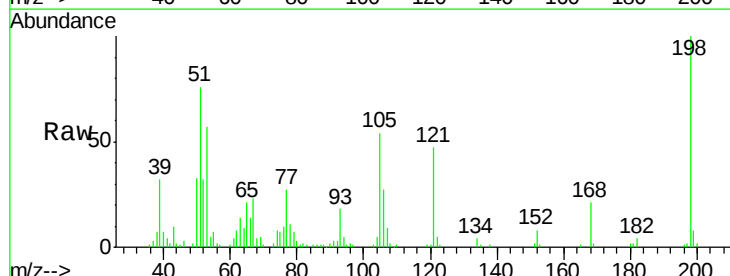
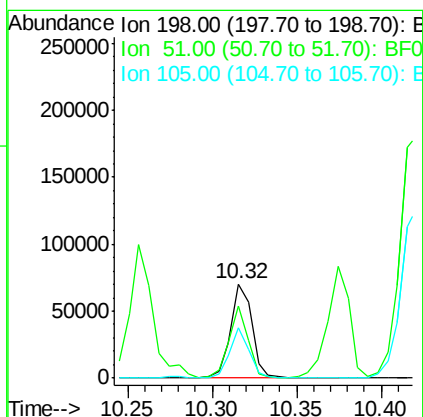
Manual Integrations
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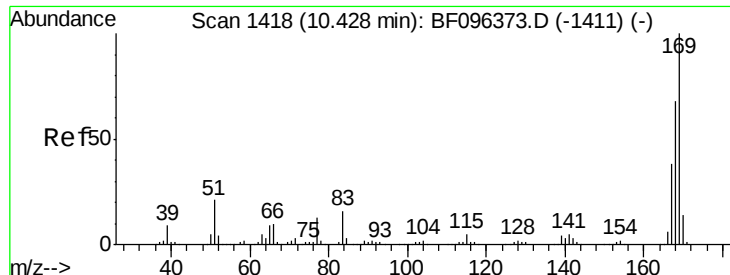
mohammad
7/12/2017 4:49:37 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 23.497 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	76.1	53.2	93.2
105	53.7	45.8	85.8





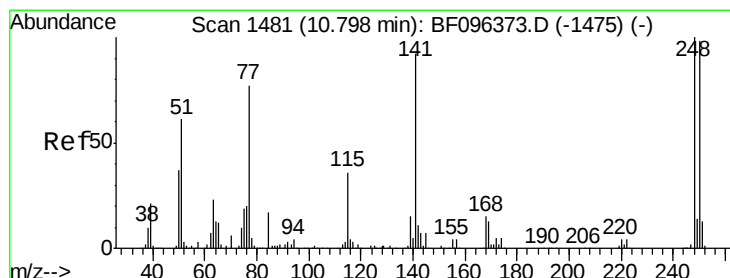
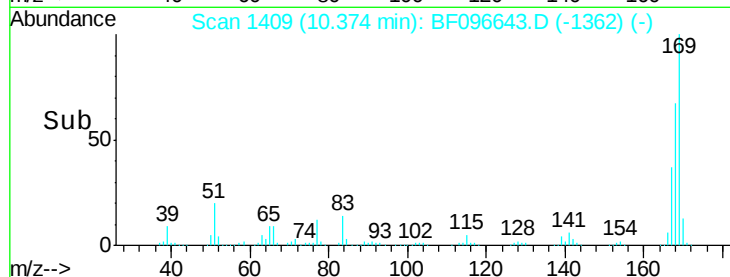
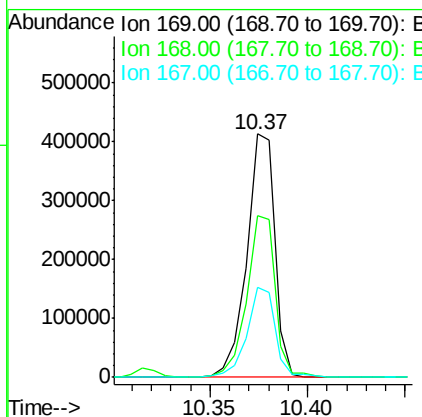
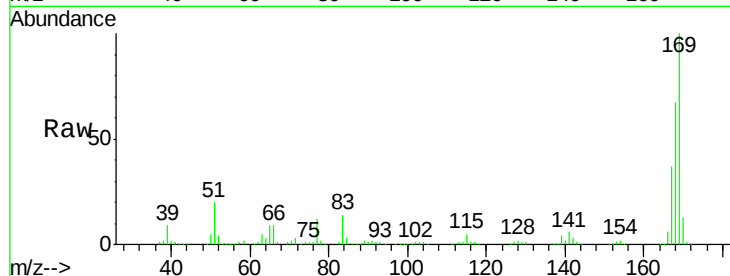
#65
n-Nitrosodiphenylamine
Concen: 30.860 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	411811		
168	66.6	53.2	79.8	
167	37.0	29.5	44.3	

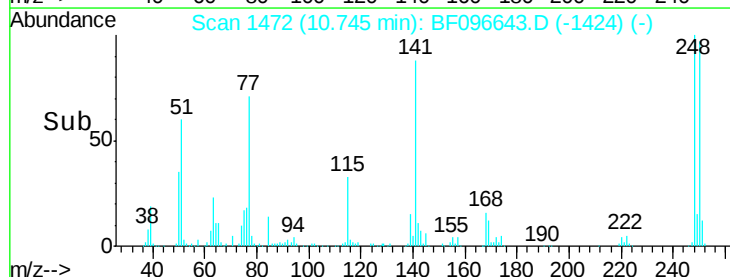
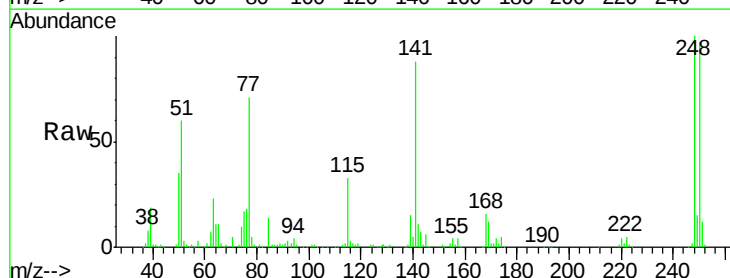
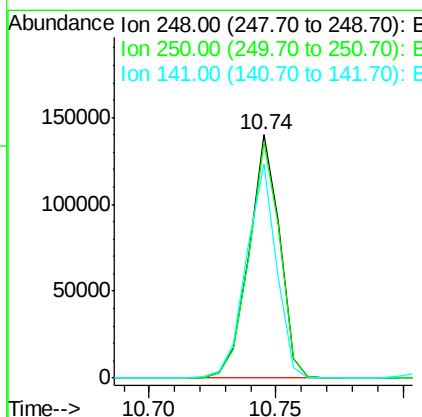
Manual Integrations
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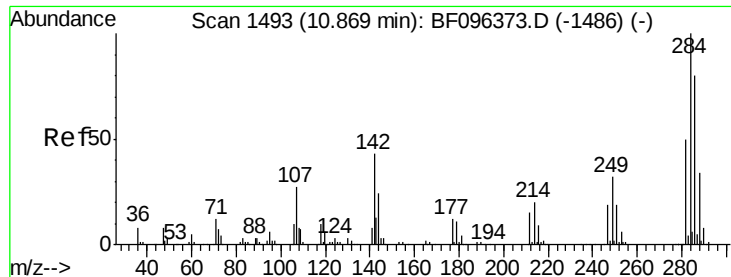
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 31.807 ng
RT: 10.74 min Scan# 1472
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	117762		
250	96.8	76.8	115.2	
141	88.1	68.6	103.0	





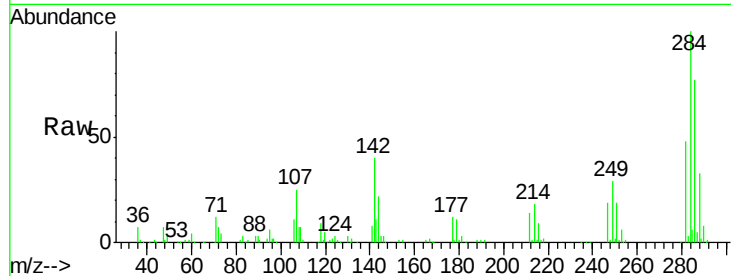
#67
Hexachlorobenzene
Concen: 30.232 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

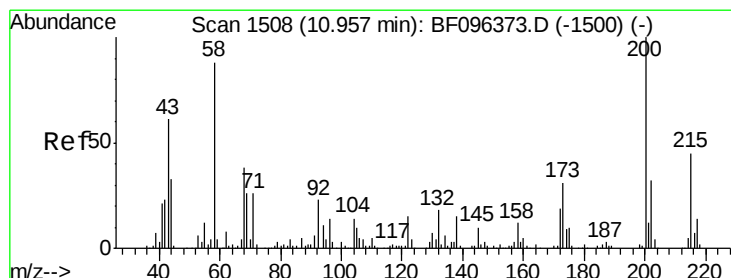
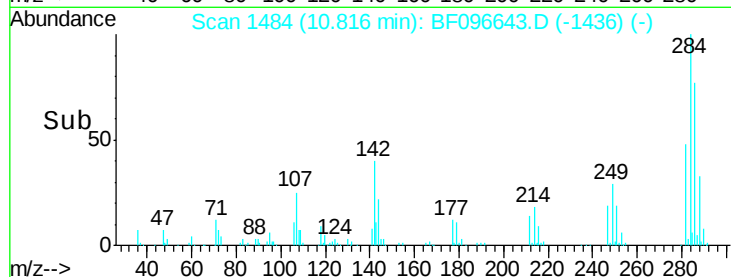
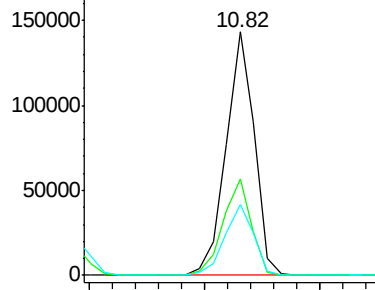
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	39.6	22.8	34.2#
249	29.2	24.0	36.0

Manual Integrations
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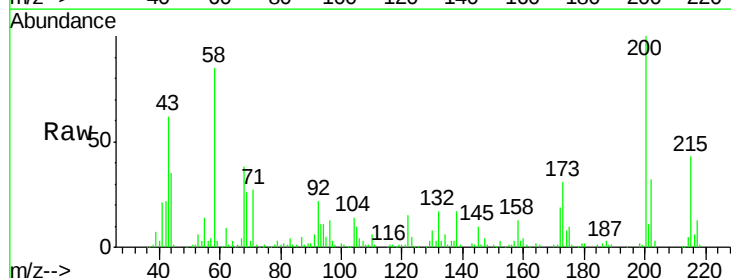


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

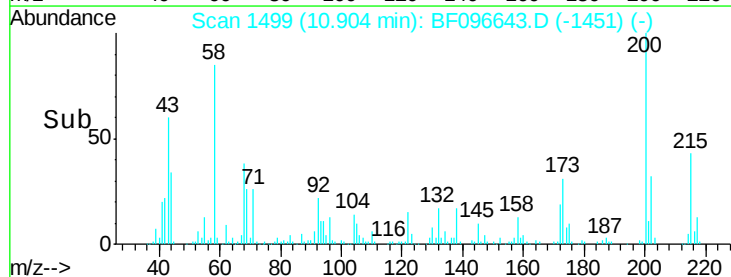
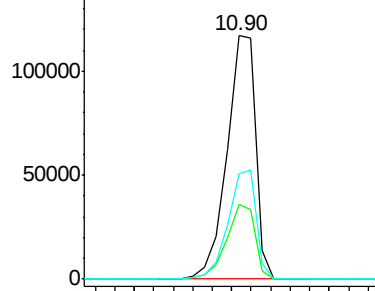


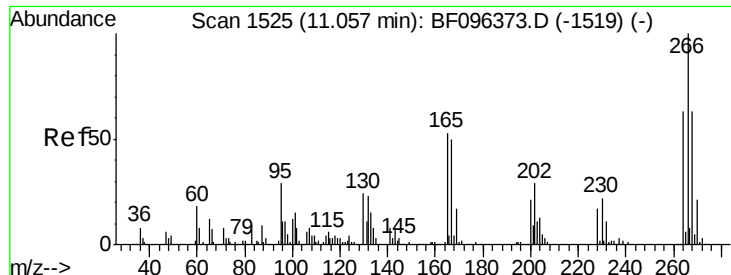
#68
Atrazine
Concen: 31.294 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	30.9	6.3	46.3
215	43.1	27.2	67.2



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





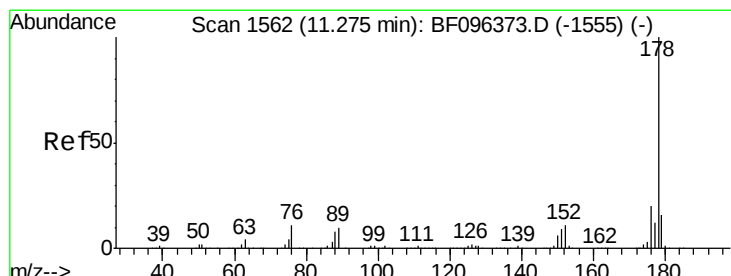
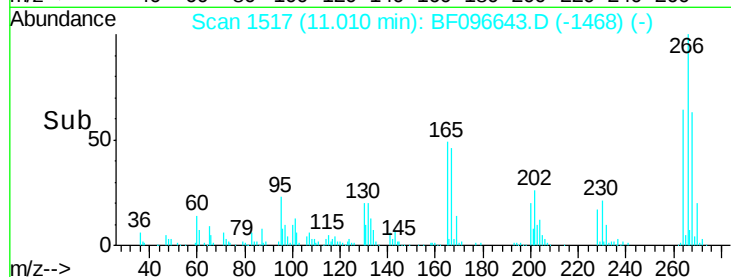
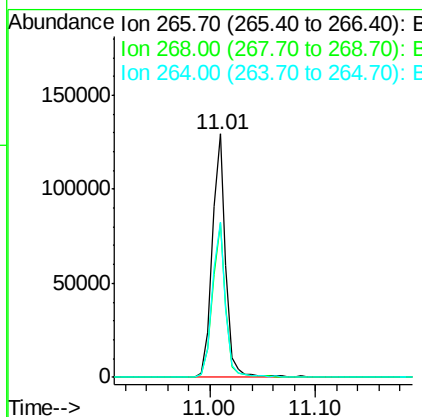
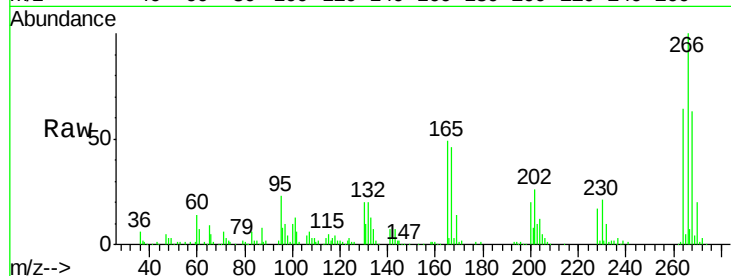
#69
 Pentachlorophenol
 Concen: 48.891 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.1	76.7
264	63.8	51.7	77.5

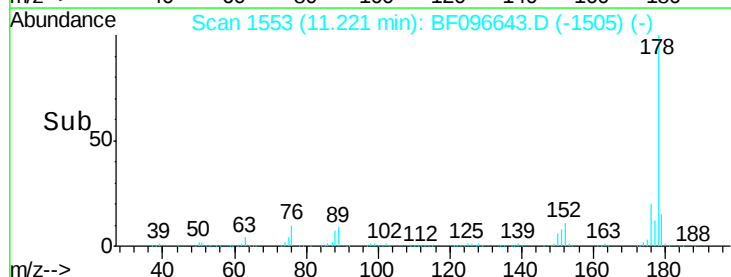
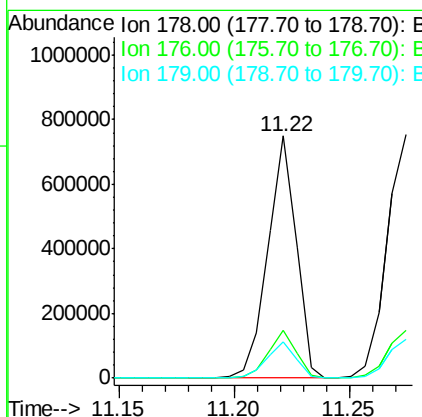
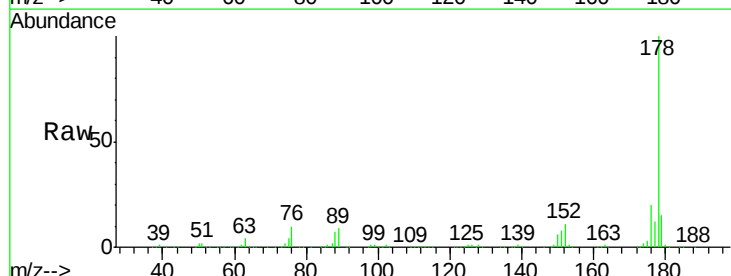
Manual Integrations
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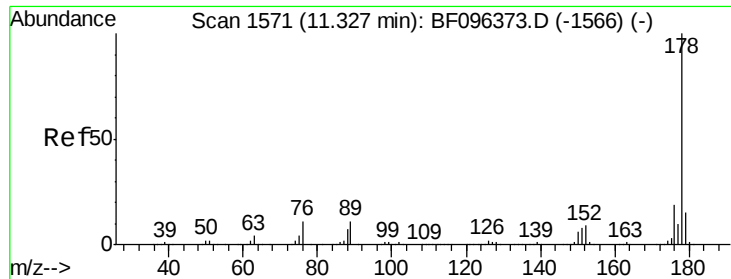
mohammad
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#70
 Phenanthrene
 Concen: 31.302 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.1	12.6	19.0





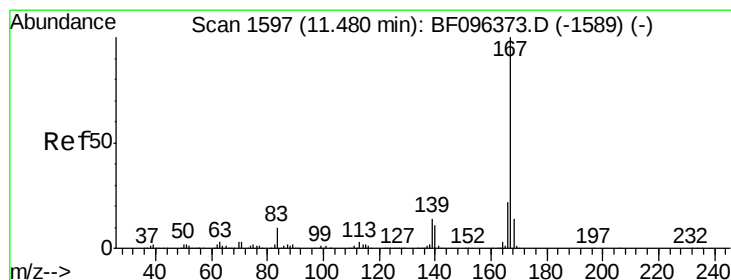
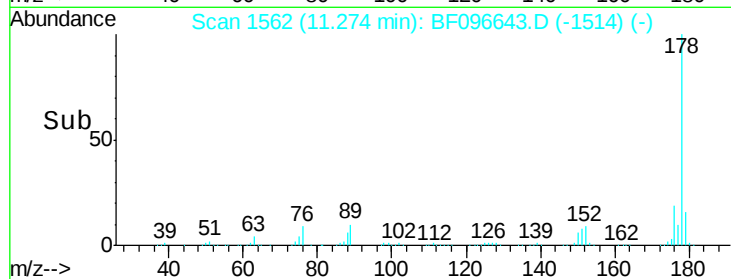
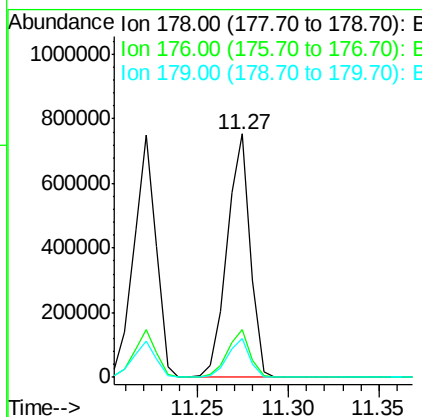
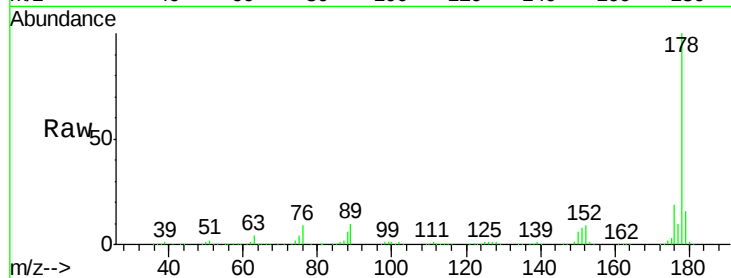
#71
 Anthracene
 Concen: 31.909 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.7	12.7	19.1

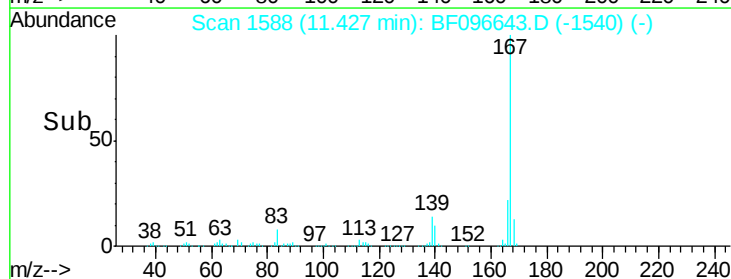
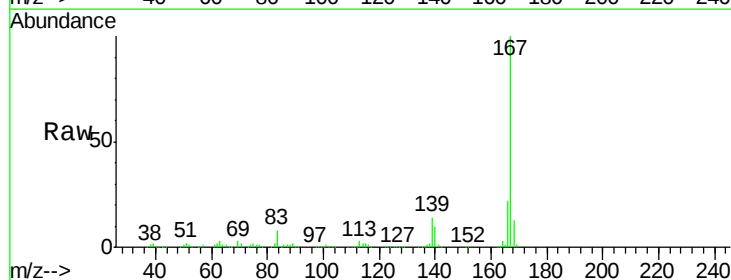
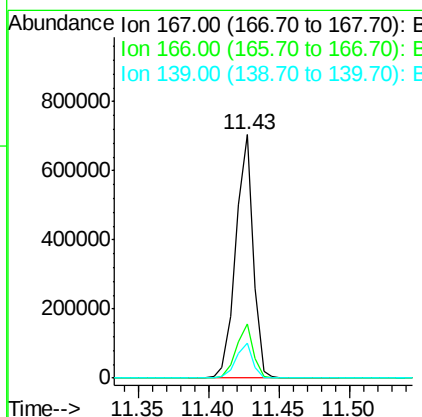
Manual Integrations
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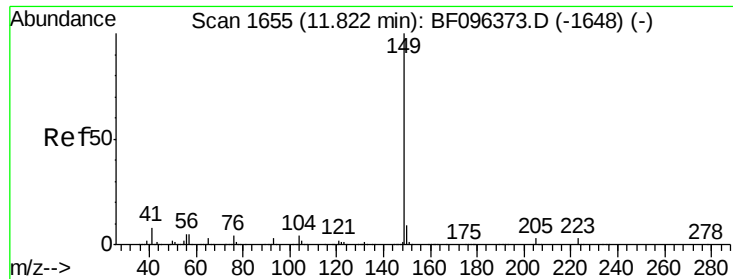
mohammad
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#72
 Carbazole
 Concen: 28.680 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	14.2	11.7	17.5





#73

Di-n-butylphthalate

Concen: 30.275 ng

RT: 11.77 min Scan# 1646

Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

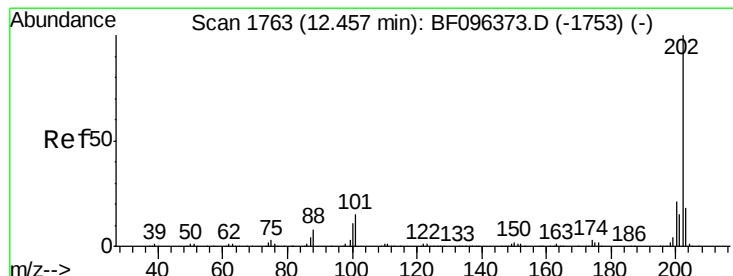
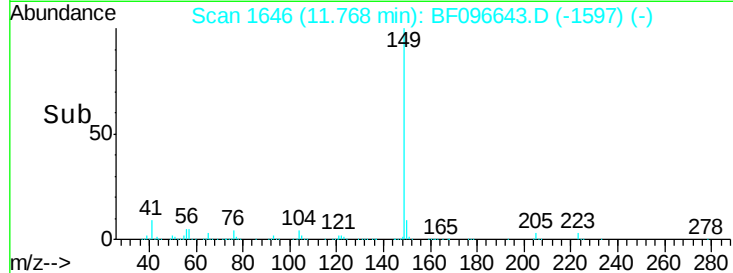
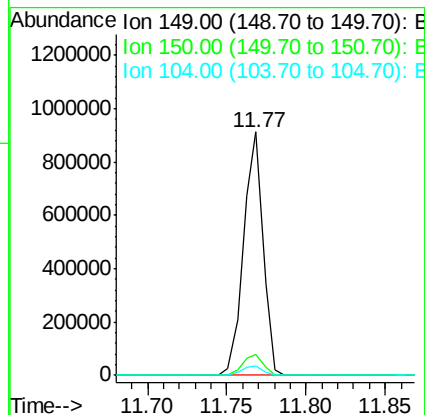
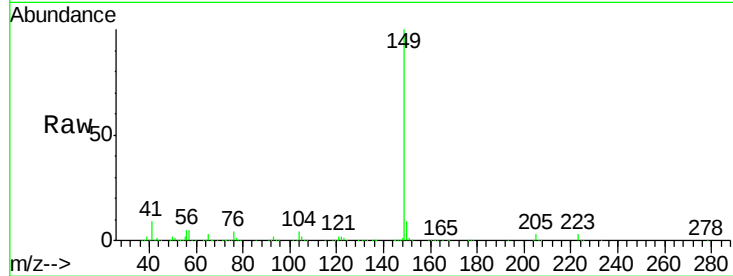
ClientSampleId :

NAA-SANDMS

Tgt Ion:	149	Resp:	772634
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.7	11.5
104	4.1	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 32.246 ng

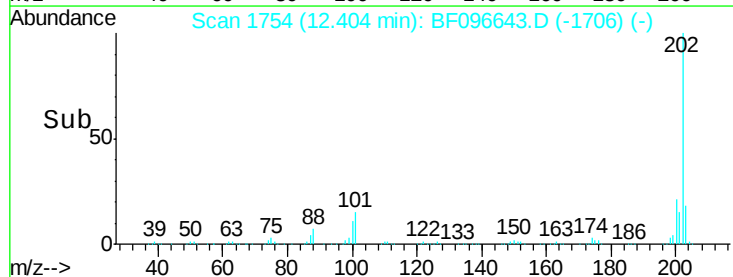
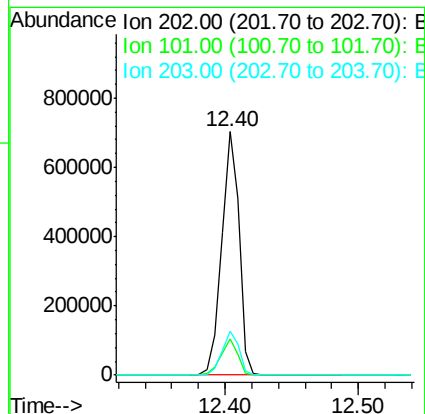
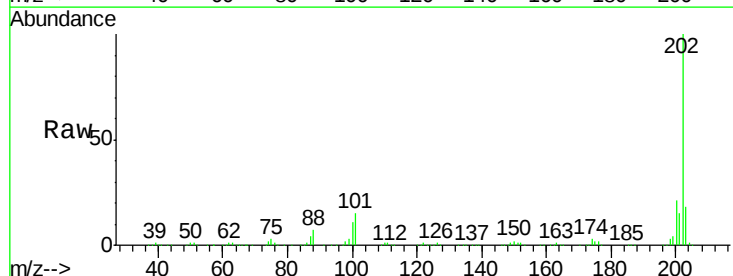
RT: 12.40 min Scan# 1754

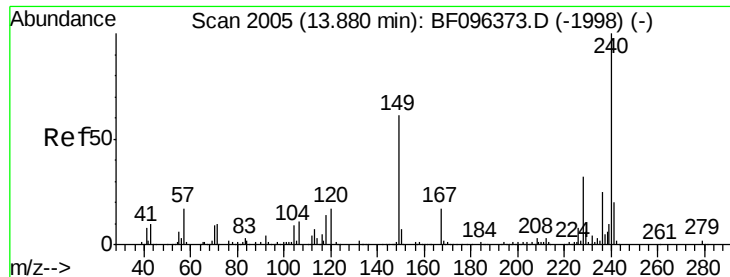
Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	202	Resp:	649996
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

NAA-SANDMS

Tgt Ion:240 Resp: 248325
Ion Ratio Lower Upper

240 100

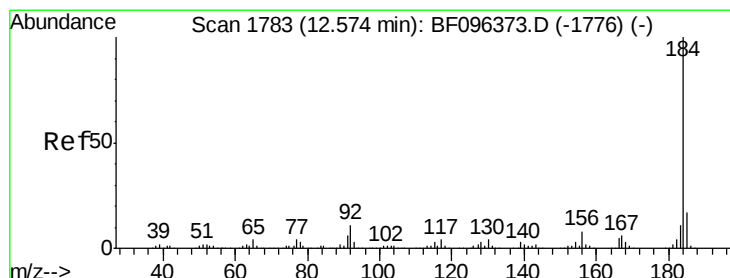
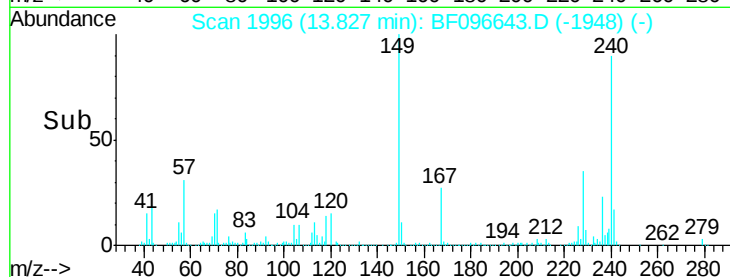
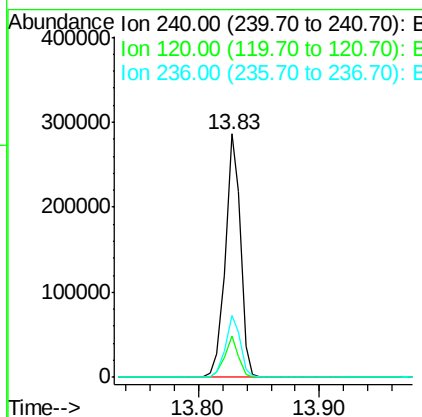
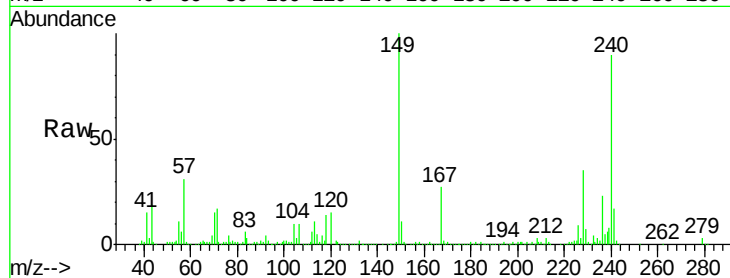
120 16.8 5.8 8.8#

236 25.2 20.5 30.7

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#76

Benzidine

Concen: 24.323 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF096643.D

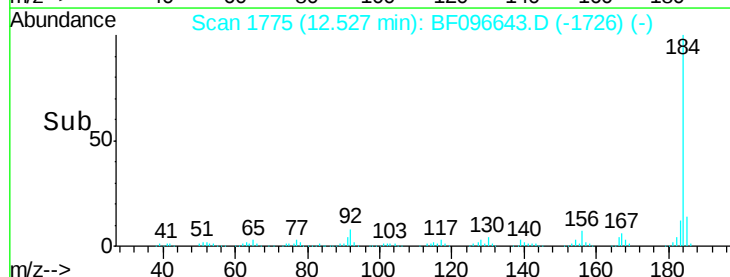
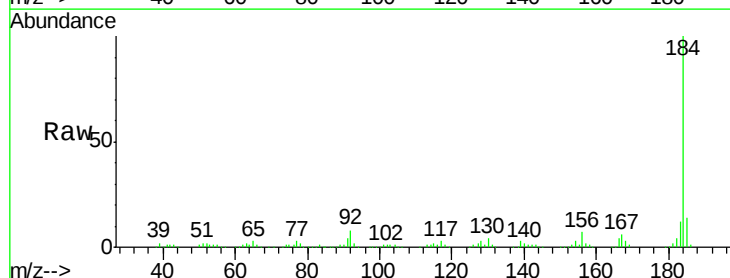
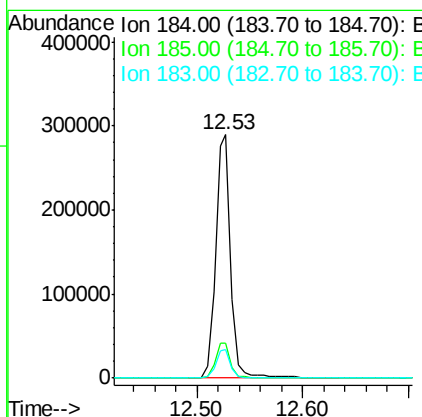
Acq: 11 Jul 2017 14:40

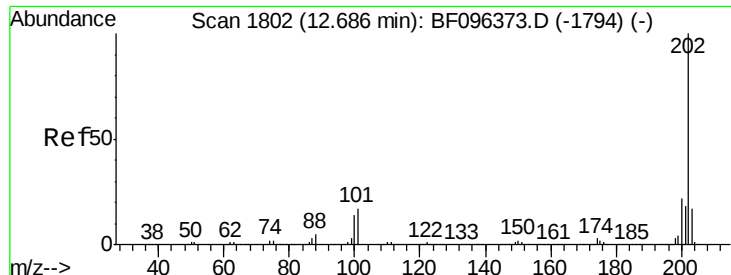
Tgt Ion:184 Resp: 289818
Ion Ratio Lower Upper

184 100

185 14.2 15.5 23.3#

183 11.7 9.8 14.6





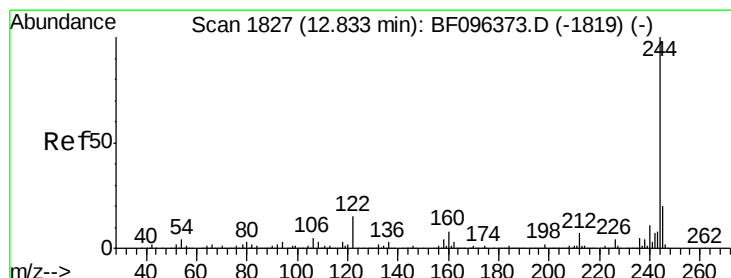
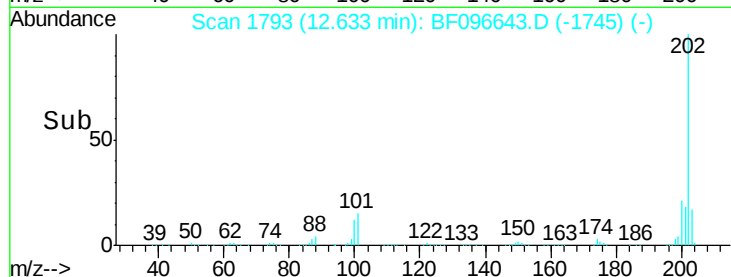
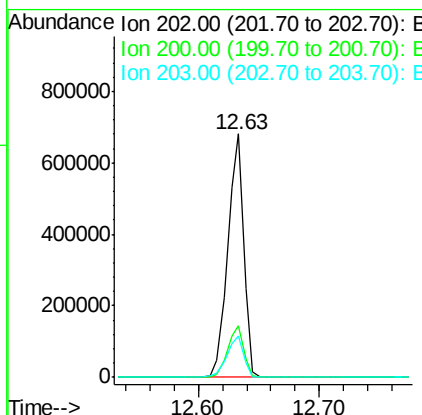
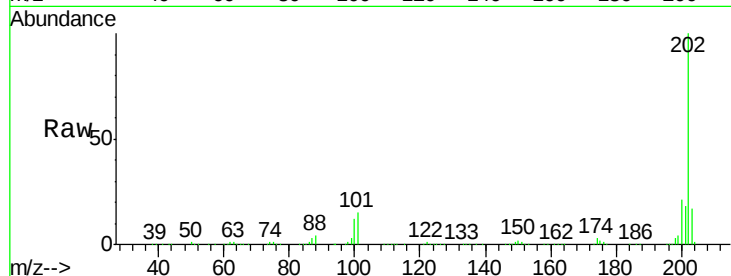
#77
Pyrene
 Concen: 31.182 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	17.6	26.4
203	17.2	14.4	21.6

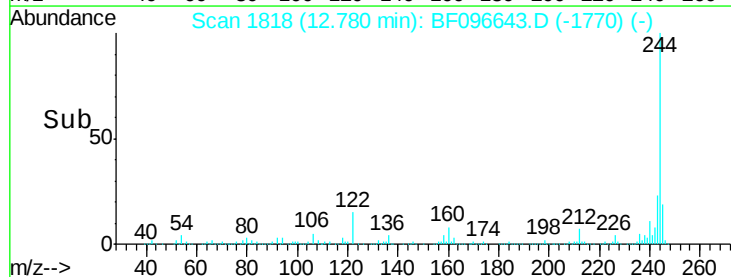
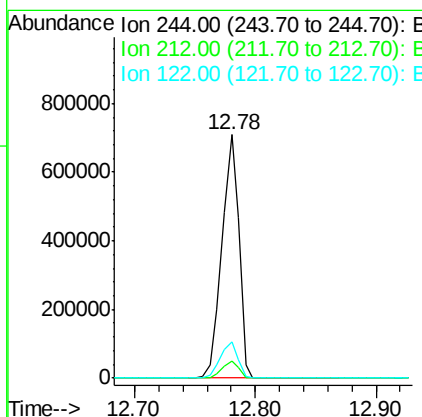
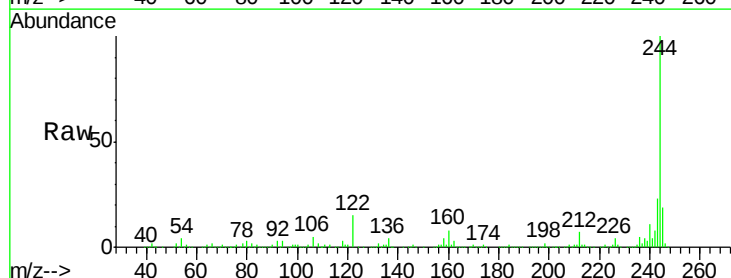
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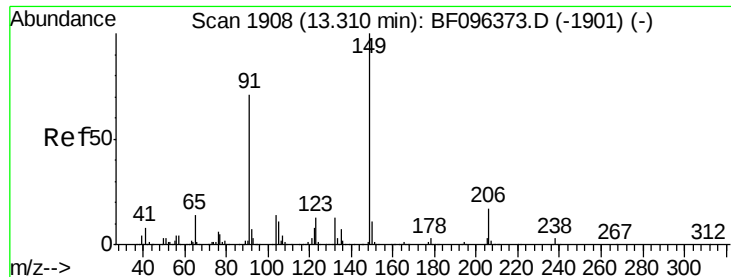
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#78
Terphenyl-d14
 Concen: 59.241 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.9	6.0	9.0
122	15.0	10.3	15.5





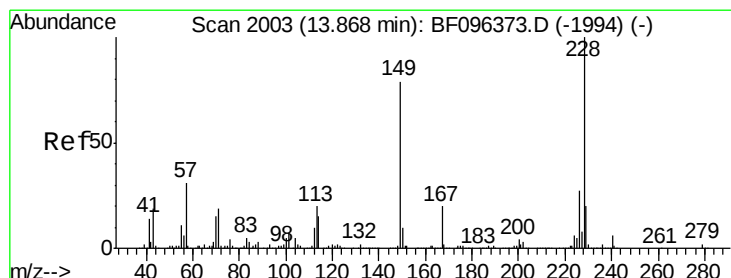
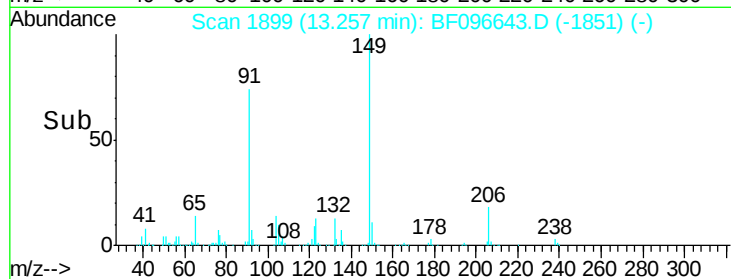
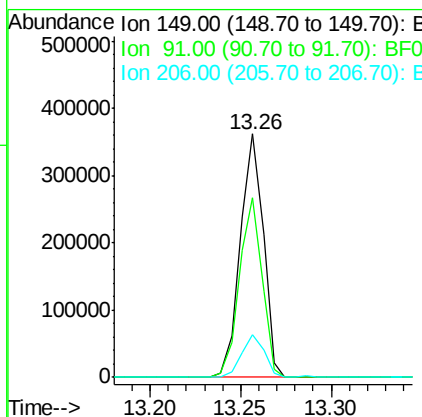
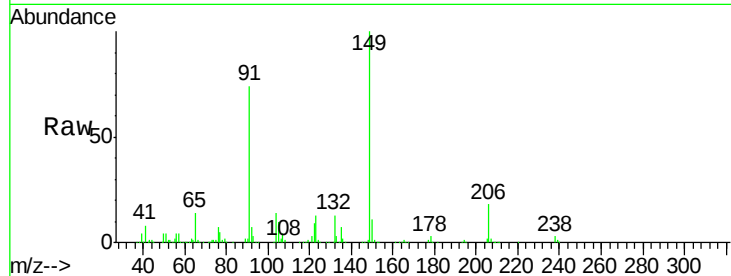
#79
Butylbenzylphthalate
Concen: 31.720 ng
RT: 13.26 min Scan# 1899
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	320058		
91	73.5	45.0	67.4#	
206	17.6	17.0	25.6	

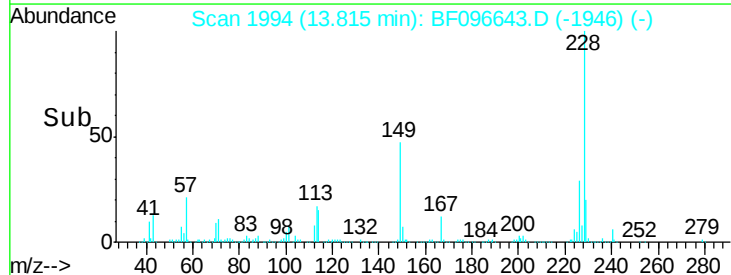
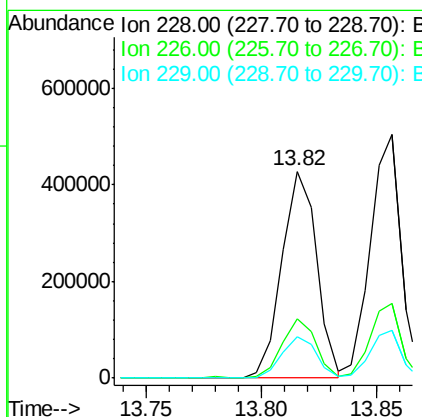
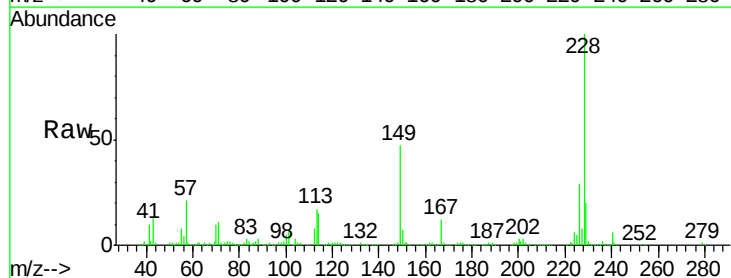
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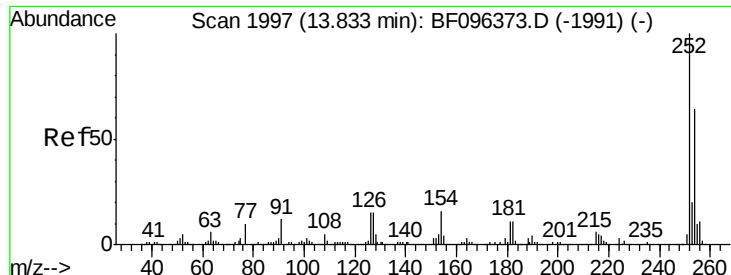
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#80
Benzo(a)anthracene
Concen: 30.994 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	445695		
226	28.6	22.6	33.8	
229	20.3	16.3	24.5	





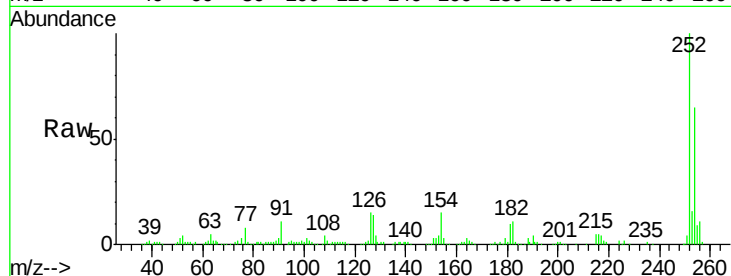
#81
 3,3'-Dichlorobenzidine
 Concen: 21.748 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

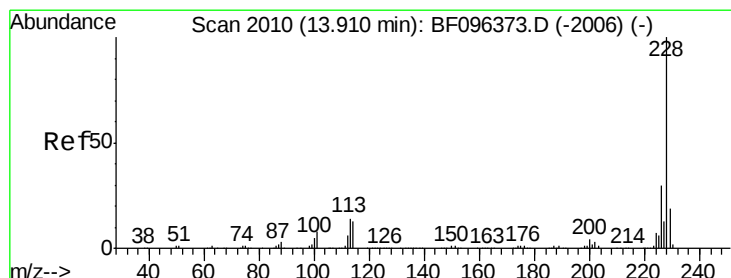
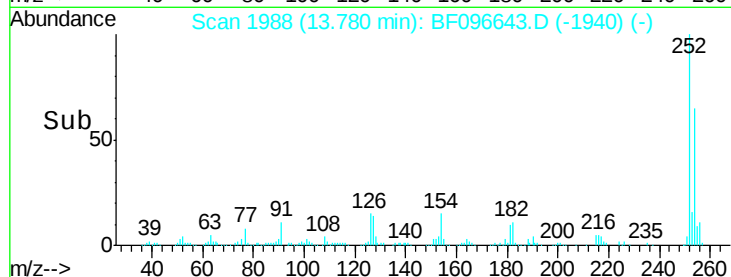
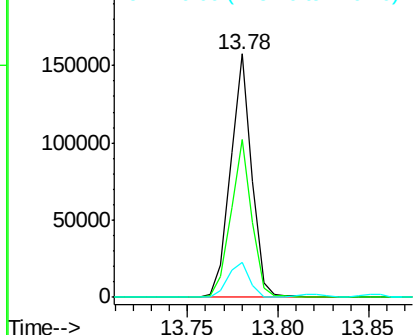
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.6	51.5	77.3
126	14.5	15.8	23.8

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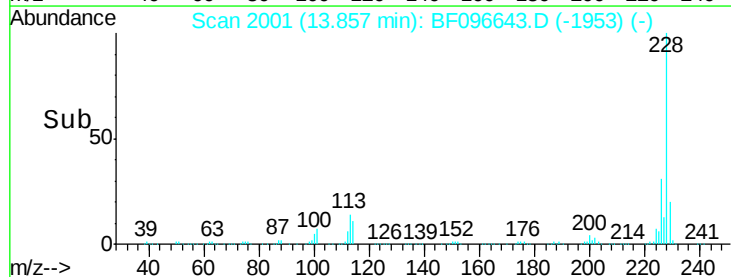
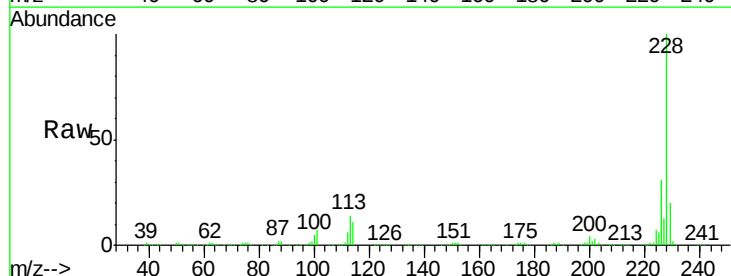
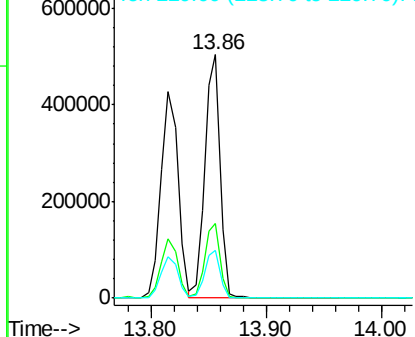
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

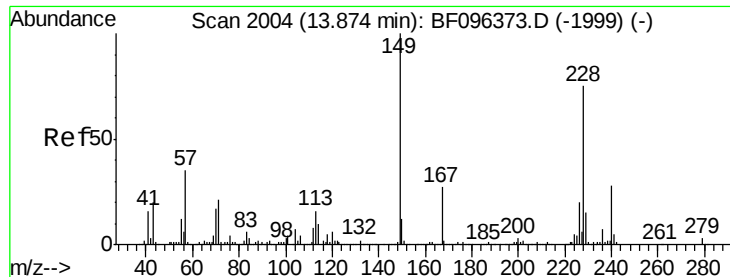


#82
 Chrysene
 Concen: 31.036 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.7	24.9	37.3
229	19.7	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 33.658 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Instrument :

BNA_F

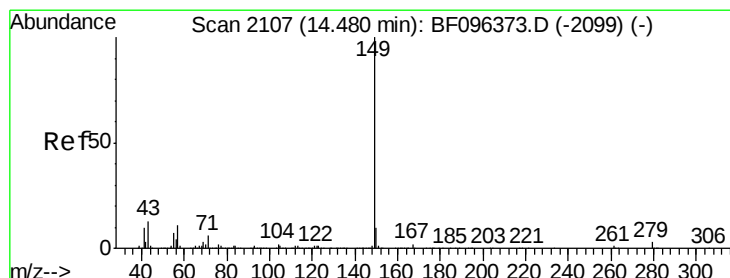
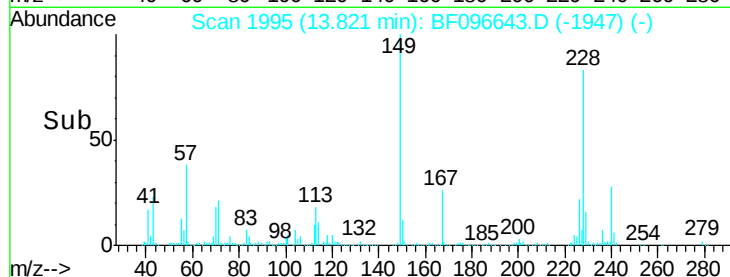
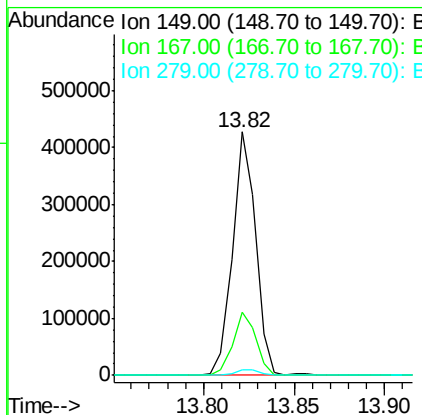
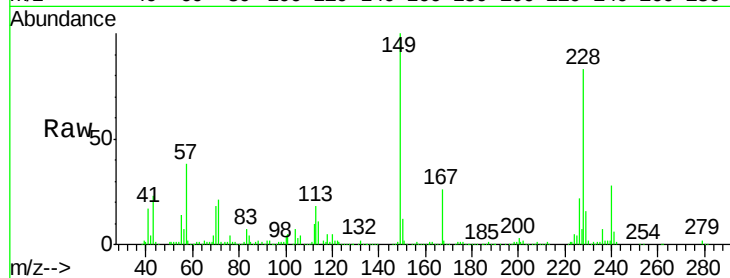
ClientSampleId :

NAA-SANDMS

Tgt Ion:	149	Resp:	379087
Ion Ratio		Lower	Upper
149	100		
167	25.8	21.0	31.4
279	2.3	1.9	2.9

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#84

Di-n-octyl phthalate

Concen: 30.808 ng

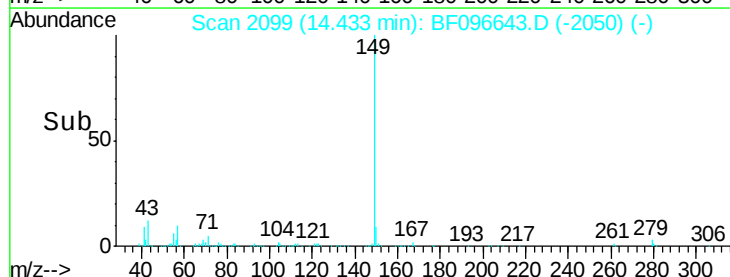
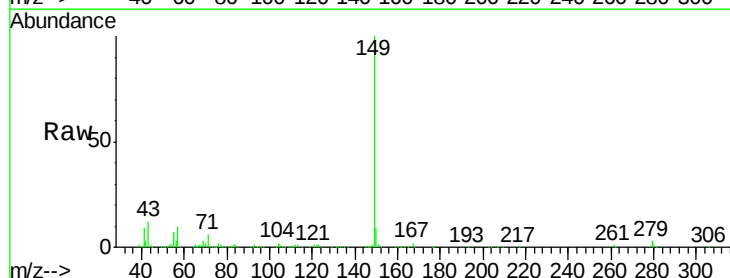
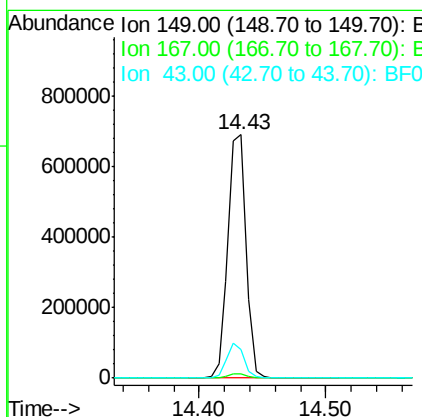
RT: 14.43 min Scan# 2099

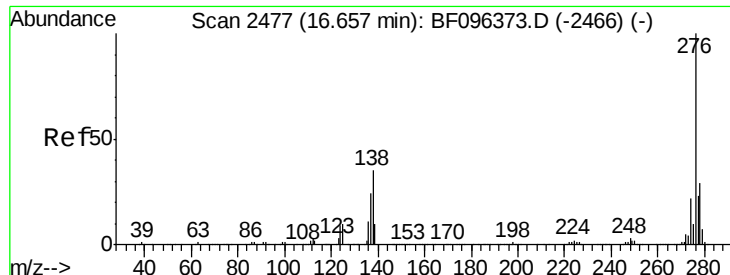
Delta R.T. -0.01 min

Lab File: BF096643.D

Acq: 11 Jul 2017 14:40

Tgt Ion:	149	Resp:	683298
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.2	1.8
43	13.1	8.5	12.7#





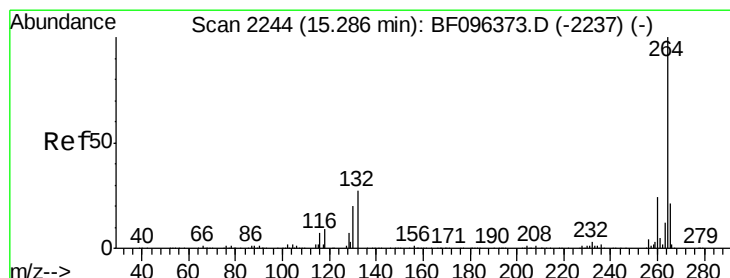
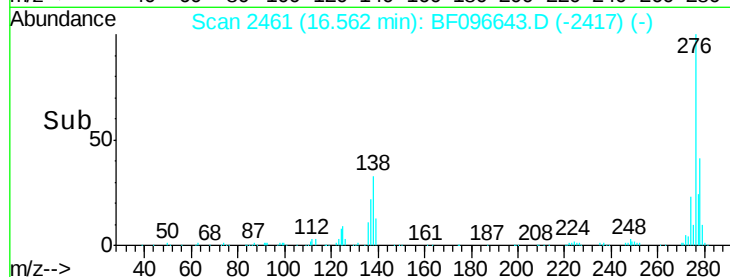
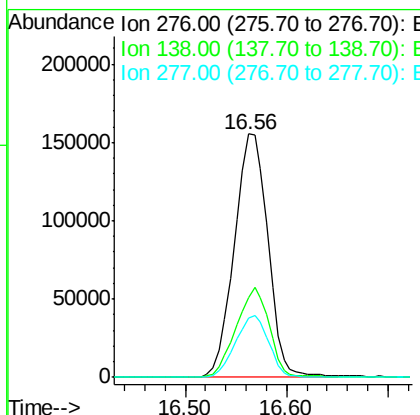
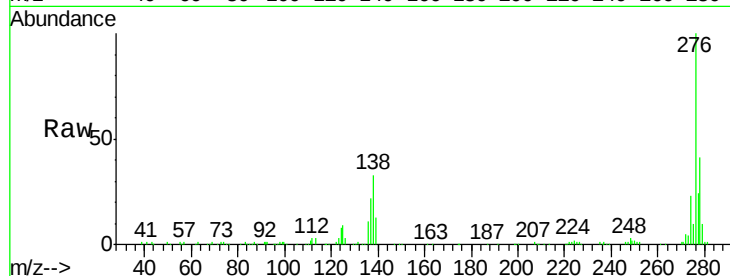
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 30.170 ng
 RT: 16.56 min Scan# 2461
 Delta R.T. -0.04 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.4	27.8	41.6
277	25.0	20.2	30.4

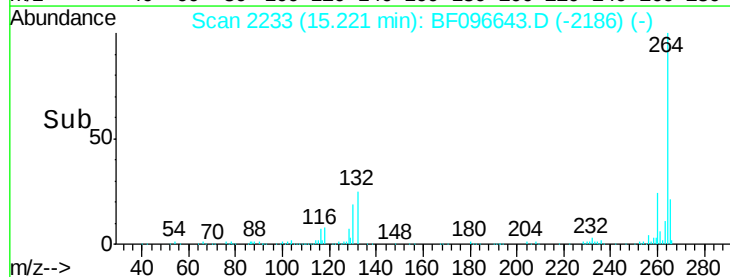
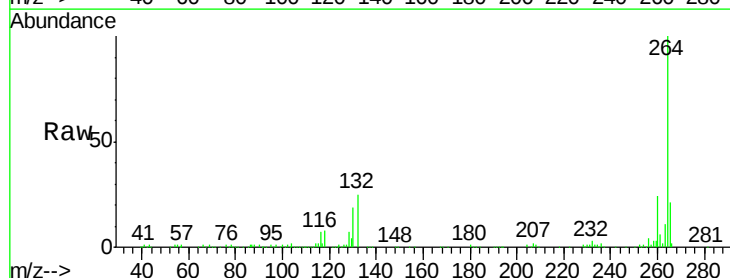
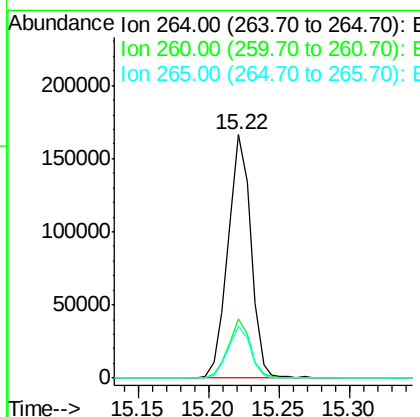
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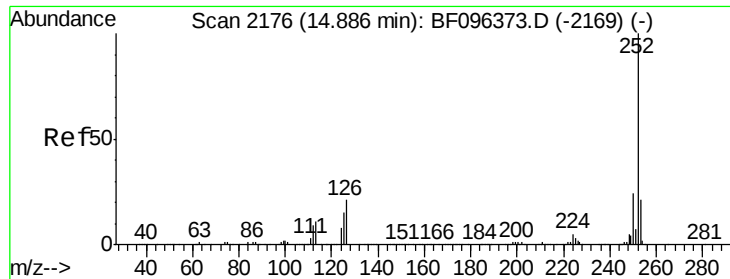
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. -0.02 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.5	17.2	25.8





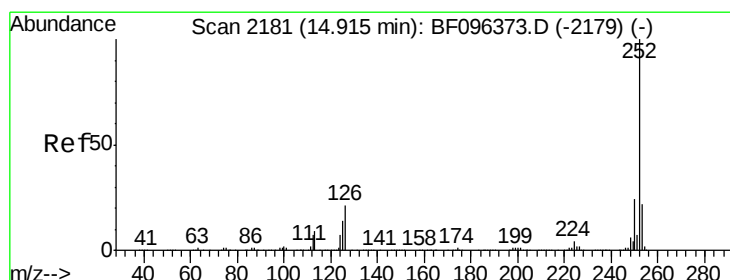
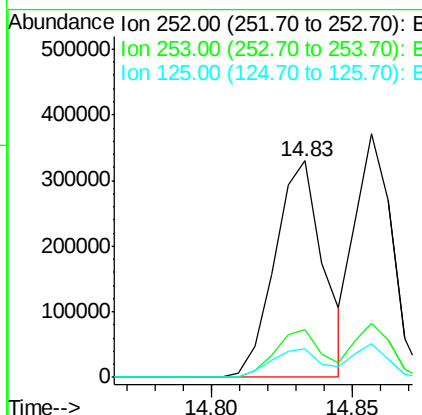
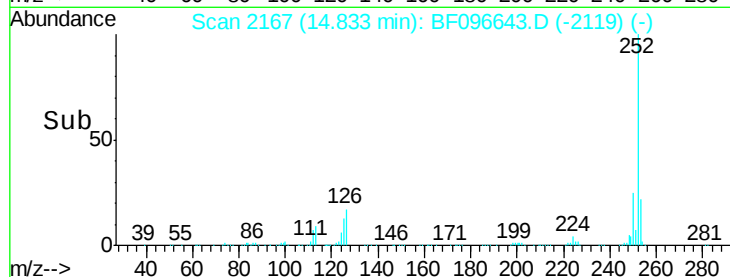
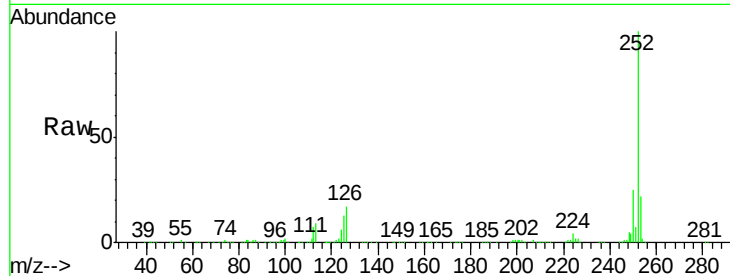
#87
Benzo(b)fluoranthene
Concen: 33.099 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	13.5	9.8	14.8

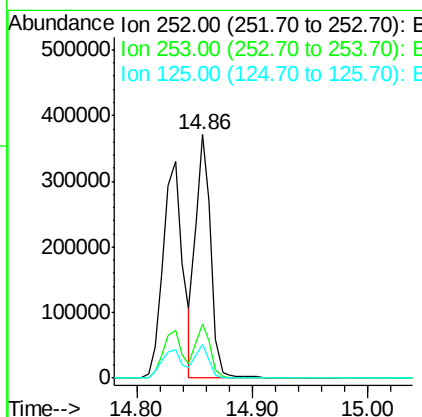
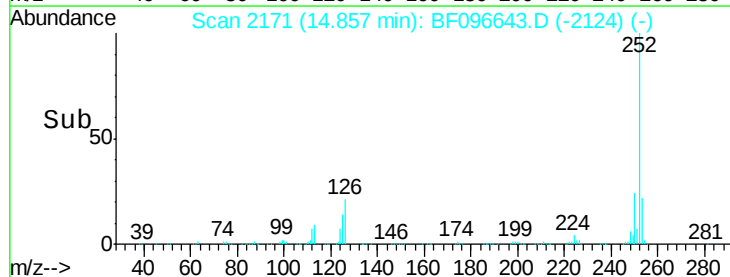
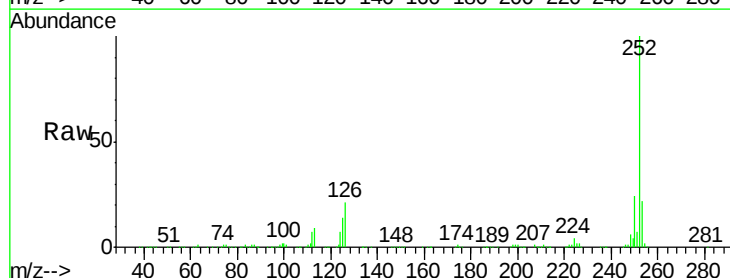
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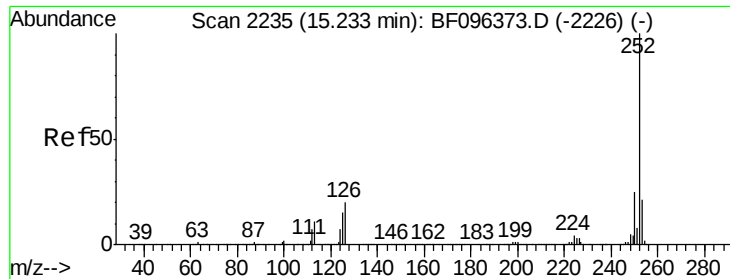
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#88
Benzo(k)fluoranthene
Concen: 32.125 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	13.8	13.1	19.7





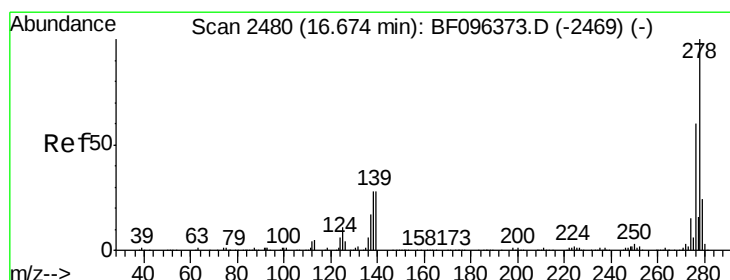
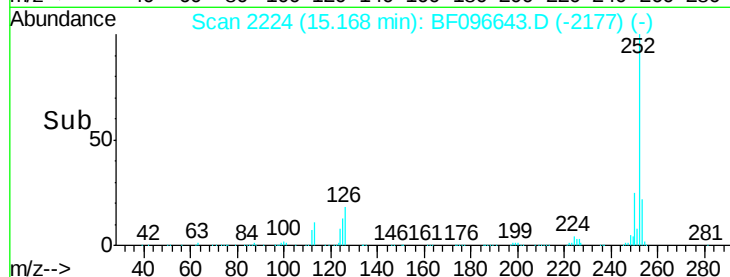
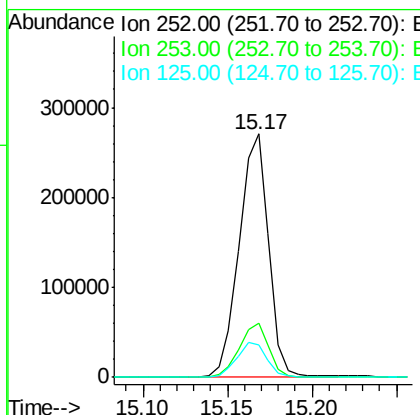
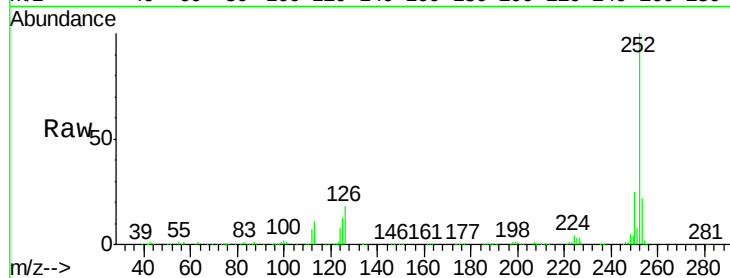
#89
Benzo(a)pyrene
Concen: 31.047 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :
NAA-SANDMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.2	11.0	16.4

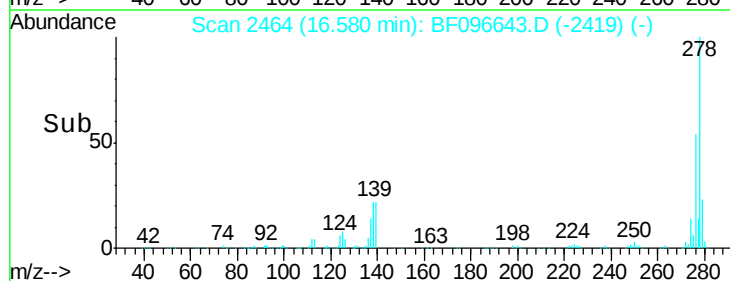
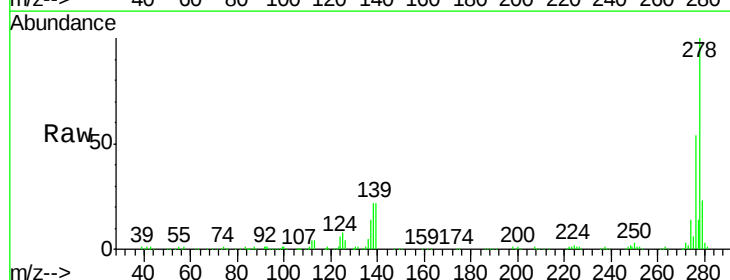
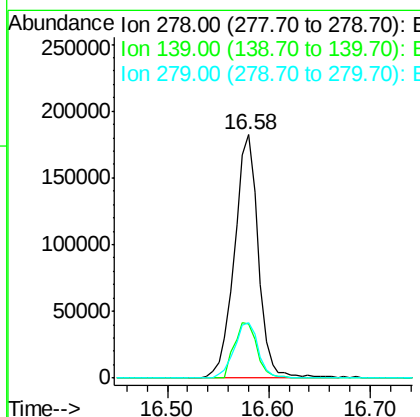
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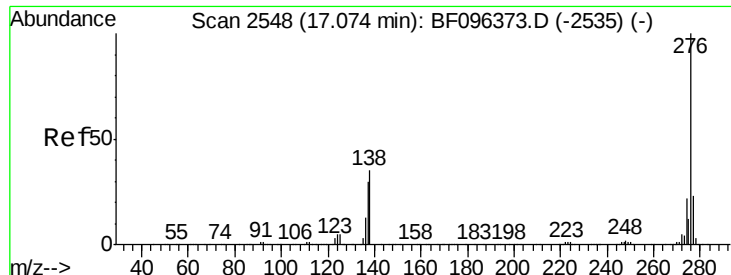
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#90
Dibenzo(a,h)anthracene
Concen: 35.805 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.04 min
Lab File: BF096643.D
Acq: 11 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	16.6	24.8
279	22.9	19.3	28.9





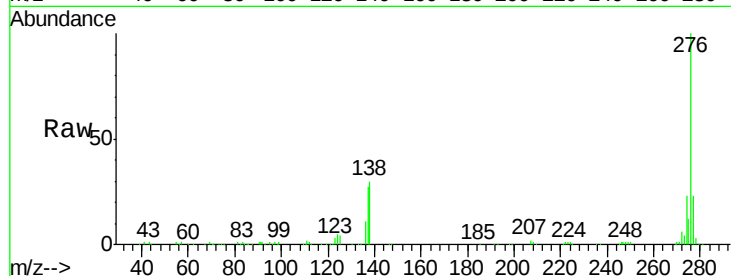
#91
 Benzo(g,h,i)perylene
 Concen: 36.684 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.04 min
 Lab File: BF096643.D
 Acq: 11 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SANDMS

Tgt Ion:	276	Resp:	317014
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.6	28.0
138	30.1	25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

