

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
 Data File : BF080864.D
 Acq On : 5 Aug 2015 5:34
 Operator : TP/UM
 Sample : G3150-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Manual Integrations
 APPROVED

MMDadoda
 8/5/2015 7:01:22 PM

Quant Time: Aug 05 08:16:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	65090	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	247986	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	102673	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	163378	20.00	ng	0.00
75) Chrysene-d12	13.96	240	98433	20.00	ng	0.00
86) Perylene-d12	15.37	264	78297	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	445753	103.65	ng	0.01
7) Phenol-d6	6.46	99	681863	121.28	ng	0.01
23) Nitrobenzene-d5	7.39	82	429349	81.59	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	118908	120.09	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	615110	80.67	ng	0.00
78) Terphenyl-d14	12.92	244	430651	79.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	73298	34.77	ng	100
3) Pyridine	3.24	79	170902	29.41	ng	99
4) n-Nitrosodimethylamine	3.18	42	115556	38.77	ng	96
6) Aniline	6.49	93	187565	22.93	ng	99
8) 2-Chlorophenol	6.61	128	186633	38.74	ng	95
9) Benzaldehyde	6.37	77	38963	9.93	ng	92
10) Phenol	6.48	94	269183	40.24	ng	98
11) bis(2-Chloroethyl)ether	6.57	93	209950	42.03	ng	97
12) 1,3-Dichlorobenzene	6.76	146	179878	34.84	ng	100
13) 1,4-Dichlorobenzene	6.84	146	187243	36.14	ng	99
14) 1,2-Dichlorobenzene	6.99	146	173309m	35.45	ng	
15) Benzyl Alcohol	6.97	79	150958	41.11	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	378496	39.15	ng	100
17) 2-Methylphenol	7.08	107	160129	37.95	ng	98
18) Hexachloroethane	7.33	117	73020	37.08	ng	# 78
19) n-Nitroso-di-n-propylamine	7.24	70	133950	36.88	ng	100
20) 3+4-Methylphenols	7.23	107	177673	36.31	ng	# 87
22) Acetophenone	7.24	105	252214	41.64	ng	# 97
24) Nitrobenzene	7.40	77	199857	36.62	ng	# 86
25) Isophorone	7.65	82	373893	40.10	ng	98
26) 2-Nitrophenol	7.72	139	89324m	39.90	ng	
27) 2,4-Dimethylphenol	7.77	122	157347m	37.75	ng	
28) bis(2-Chloroethoxy)methane	7.86	93	218358	38.08	ng	100
29) 2,4-Dichlorophenol	7.96	162	131566	38.23	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	152775	39.01	ng	99
31) Naphthalene	8.13	128	525201	38.88	ng	100
32) Benzoic acid	7.87	122	84516m	30.91	ng	
33) 4-Chloroaniline	8.18	127	85632	16.21	ng	95
34) Hexachlorobutadiene	8.25	225	83573	37.44	ng	99
35) Caprolactam	8.53	113	39036	39.72	ng	93
36) 4-Chloro-3-methylphenol	8.66	107	147905	39.17	ng	96
37) 2-Methylnaphthalene	8.82	142	322504	39.84	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	131166	37.44	ng	99
40) Hexachlorocyclopentadiene	8.98	237	169996	80.79	ng	97

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Quant Time: Aug 05 08:16:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.09	196	89747	37.79	ng	99
43) 2,4,5-Trichlorophenol	9.14	196	88669	37.23	ng #	82
45) 1,1'-Biphenyl	9.29	154	371486	39.25	ng	99
46) 2-Chloronaphthalene	9.31	162	281929	38.30	ng	99
47) 2-Nitroaniline	9.40	65	113589	42.39	ng	99
48) Acenaphthylene	9.72	152	483864	39.95	ng	99
49) Dimethylphthalate	9.58	163	380714	50.84	ng	100
50) 2,6-Dinitrotoluene	9.64	165	60469	38.61	ng	95
51) Acenaphthene	9.89	154	314655	43.21	ng	99
52) 3-Nitroaniline	9.80	138	43319	22.39	ng #	59
53) 2,4-Dinitrophenol	9.92	184	70806	66.63	ng #	77
54) Dibenzofuran	10.06	168	402617	41.46	ng	99
55) 4-Nitrophenol	9.97	139	113812	83.63	ng #	77
56) 2,4-Dinitrotoluene	10.04	165	79092	40.00	ng	95
57) Fluorene	10.41	166	289814	39.08	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.18	232	68570	40.12	ng	100
59) Diethylphthalate	10.28	149	287742	38.81	ng	99
60) 4-Chlorophenyl-phenylether	10.40	204	124550	40.95	ng	99
61) 4-Nitroaniline	10.42	138	61750	35.77	ng	96
62) Azobenzene	10.56	77	353892	40.82	ng	99
64) 4,6-Dinitro-2-methylphenol	10.45	198	40001	38.06	ng	98
65) n-Nitrosodiphenylamine	10.52	169	235027	37.55	ng	99
66) 4-Bromophenyl-phenylether	10.89	248	77690	42.97	ng	99
67) Hexachlorobenzene	10.94	284	77001	38.99	ng	98
68) Atrazine	11.05	200	70948	43.55	ng	99
69) Pentachlorophenol	11.14	266	80936	75.21	ng	99
70) Phenanthrene	11.36	178	345032	36.55	ng	100
71) Anthracene	11.41	178	383721	41.84	ng	99
72) Carbazole	11.56	167	313533	36.24	ng	99
73) Di-n-butylphthalate	11.90	149	444435	43.38	ng	99
74) Fluoranthene	12.55	202	355649	38.68	ng	99
76) Benzidine	12.67	184	88129	18.50	ng	100
77) Pyrene	12.77	202	365800	41.43	ng	100
79) Butylbenzylphthalate	13.39	149	147710	40.90	ng	100
80) Benzo(a)anthracene	13.95	228	249227	37.85	ng	99
81) 3,3'-Dichlorobenzidine	13.92	252	62883	25.70	ng #	98
82) Chrysene	13.99	228	230958	34.42	ng	99
83) Bis(2-ethylhexyl)phthalate	13.96	149	205381	42.59	ng	100
84) Di-n-octyl phthalate	14.57	149	337011	41.58	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	206969	37.57	ng	99
87) Benzo(h)fluoranthene	14.97	252	204493m	34.92	ng	
88) Benzo(k)fluoranthene	15.00	252	211724m	46.96	ng	
89) Benzo(a)pyrene	15.31	252	194238	40.63	ng	98
90) Dibenzo(a,h)anthracene	16.75	278	172922	41.64	ng	99
91) Benzo(g,h,i)perylene	17.14	276	181602	45.24	ng	97

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

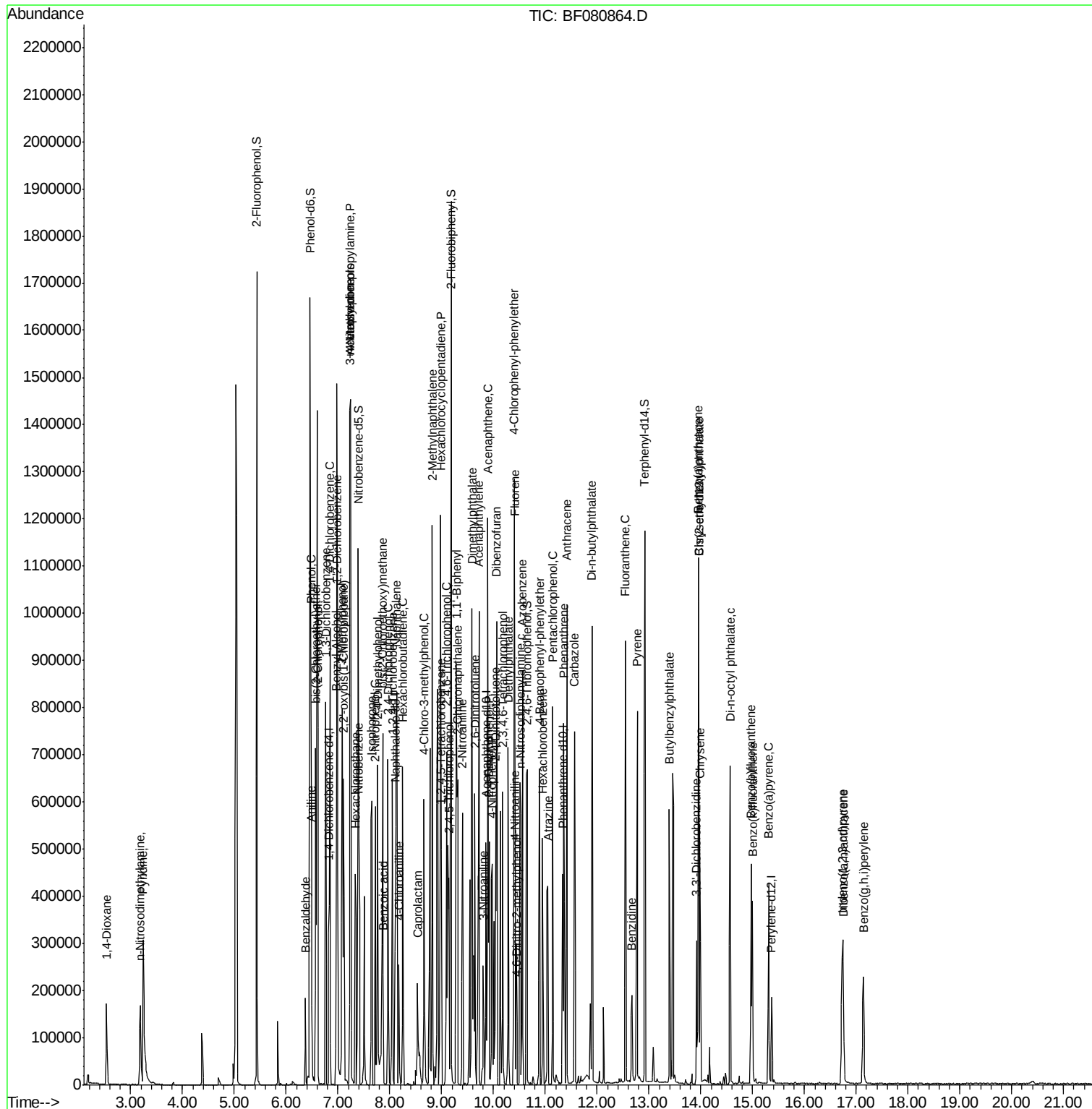
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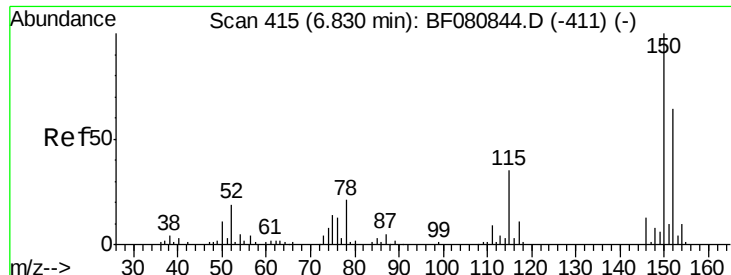
Instrument :
BNA_F
ClientSampleId :
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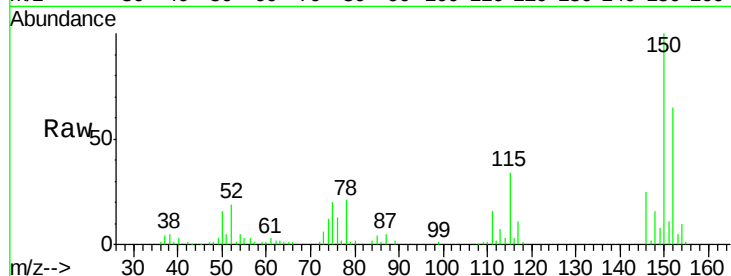




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

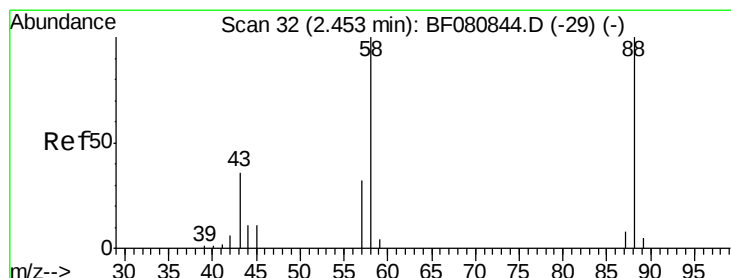
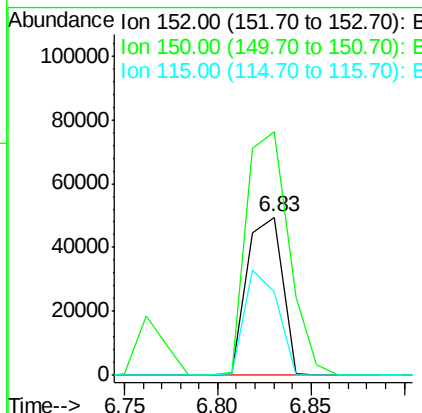
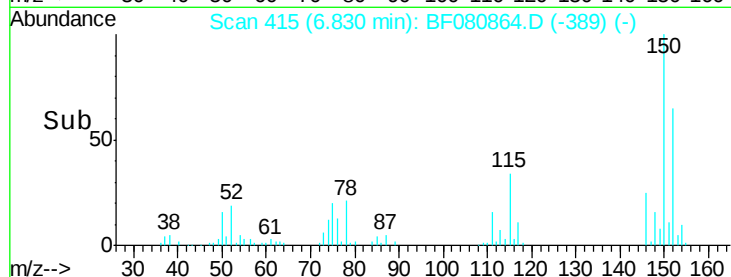
Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	187.0
115	52.6	44.2	66.4

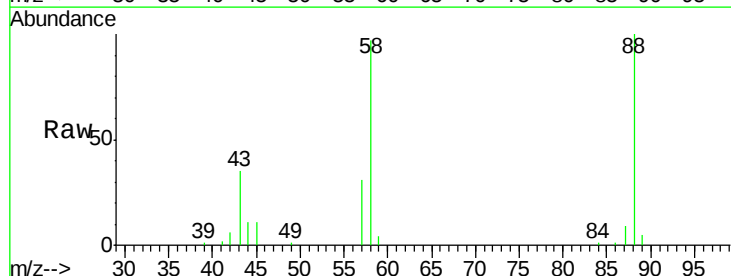
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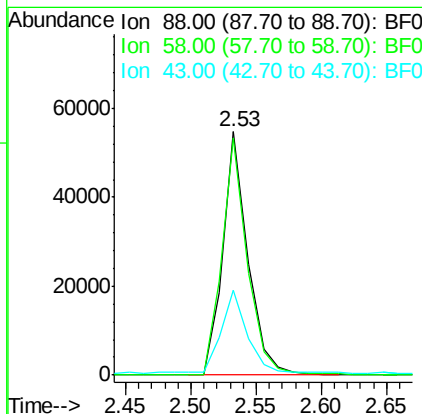
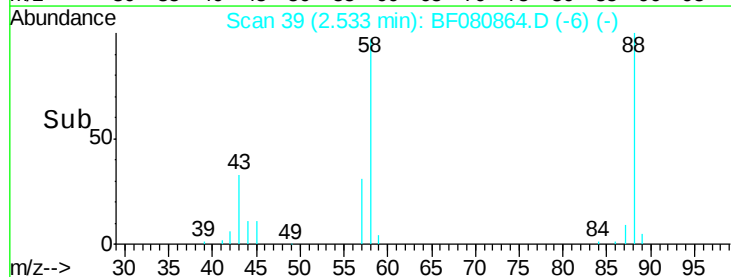


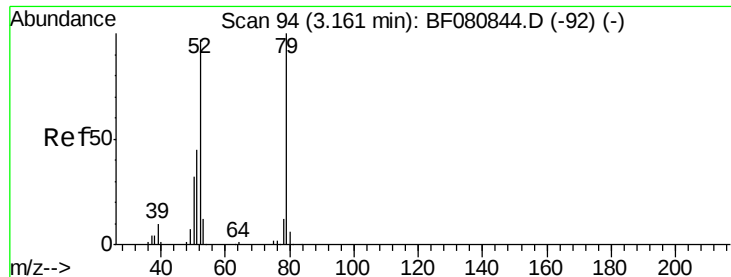
#2

1,4-Dioxane
Concen: 34.77 ng
RT: 2.53 min Scan# 39
Delta R.T. 0.08 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34



Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.1	79.2	118.8
43	35.2	28.1	42.1





#3

Pyridine

Concen: 29.41 ng

RT: 3.24 min Scan# 101

Delta R.T. 0.08 min

Lab File: BF080864.D

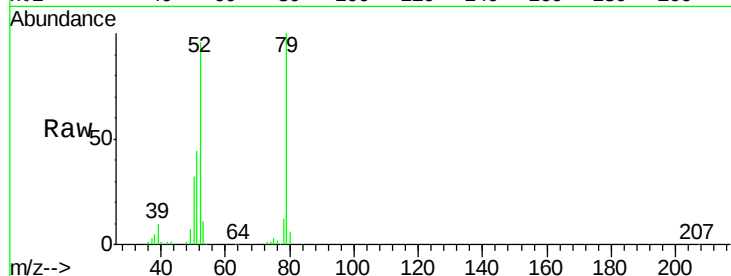
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Instrument :

BNA_F

ClientSampleId :

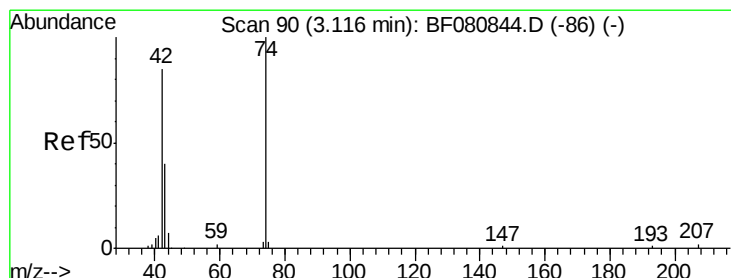
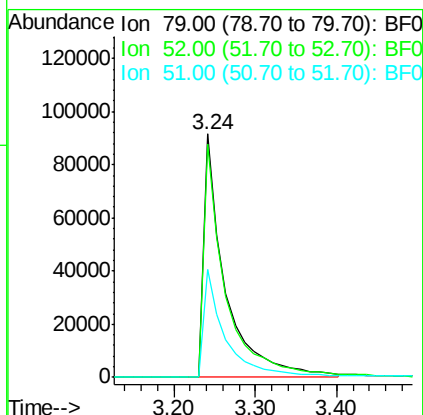
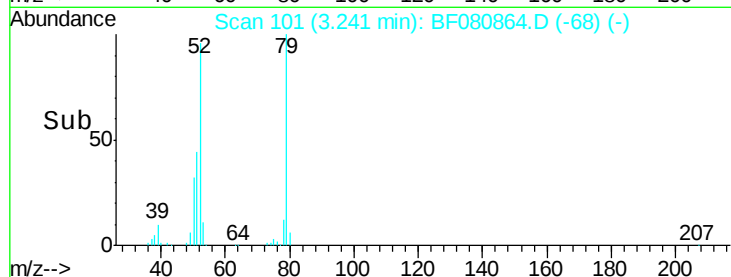
TU021-SB-20-14MS



Tgt Ion:	79	Resp:	170902
Ion Ratio	Lower	Upper	
79	100		
52	95.8	77.7	116.5
51	44.1	36.1	54.1

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#4

n-Nitrosodimethylamine

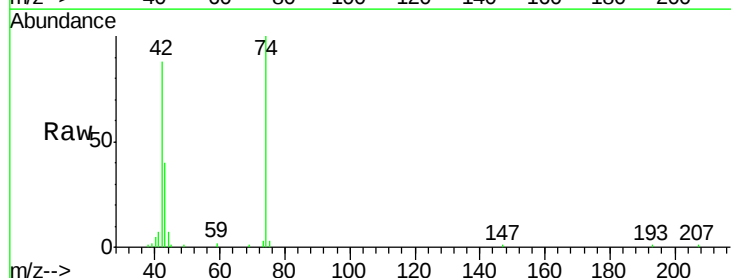
Concen: 38.77 ng

RT: 3.18 min Scan# 96

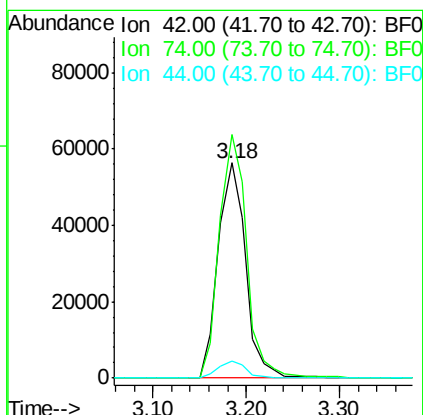
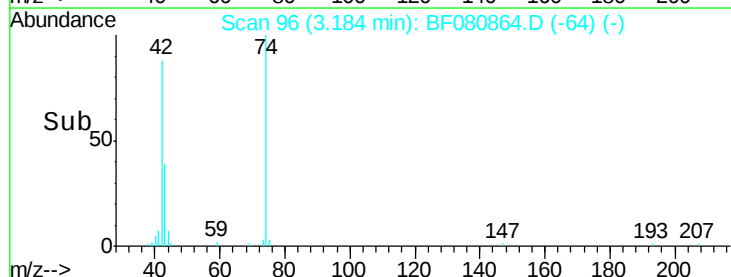
Delta R.T. 0.07 min

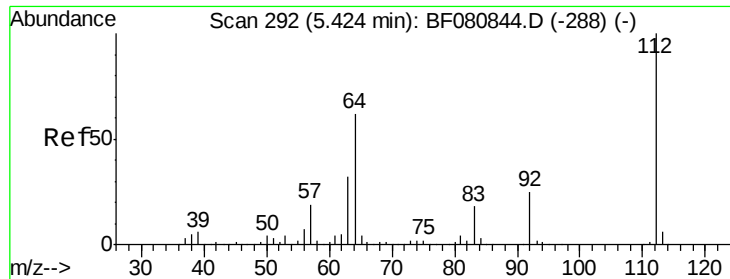
Lab File: BF080864.D

Acq: 5 Aug 2015 5:34



Tgt Ion:	42	Resp:	115556
Ion Ratio	Lower	Upper	
42	100		
74	113.1	94.3	141.5
44	7.8	6.2	9.2





#5

2-Fluorophenol

Concen: 103.65 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF080864.D

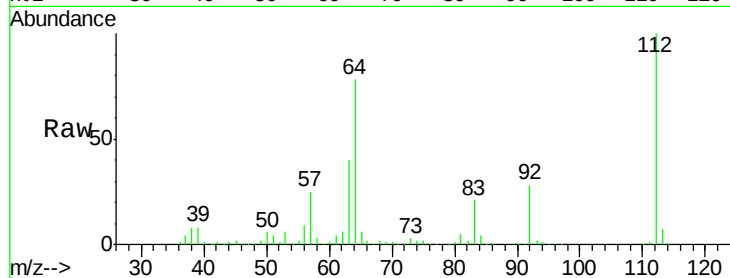
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS



Tgt Ion: 112 Resp: 445753

Ion Ratio Lower Upper

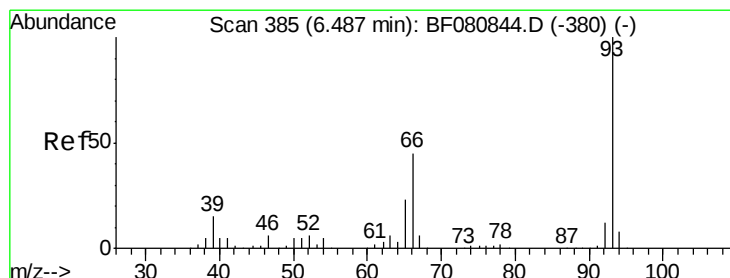
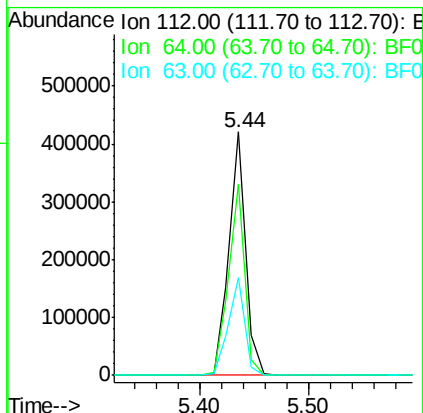
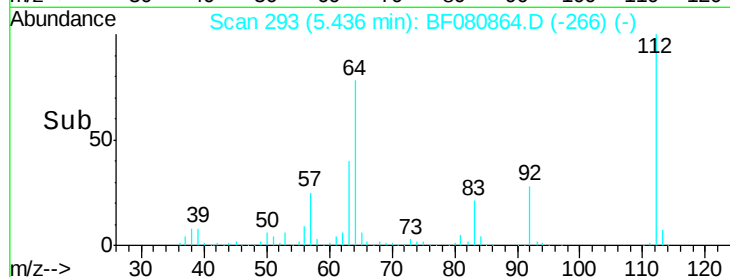
112 100

64 78.5 49.5 74.3#

63 40.3 25.3 37.9#

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8/5/2015 7:01:22 PM



#6

Aniline

Concen: 22.93 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

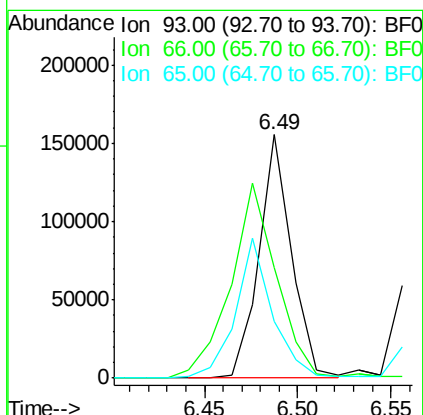
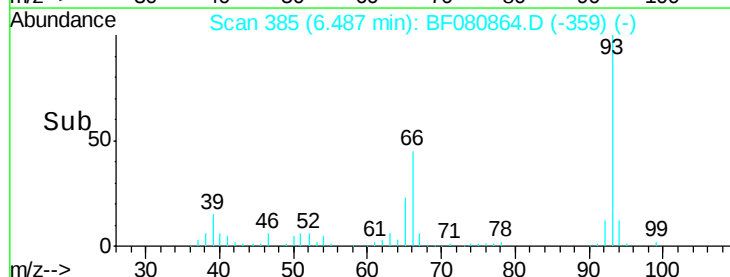
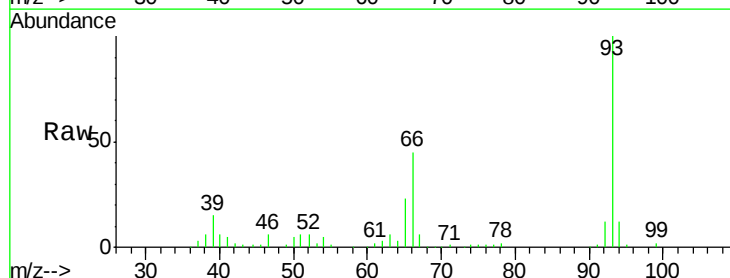
Tgt Ion: 93 Resp: 187565

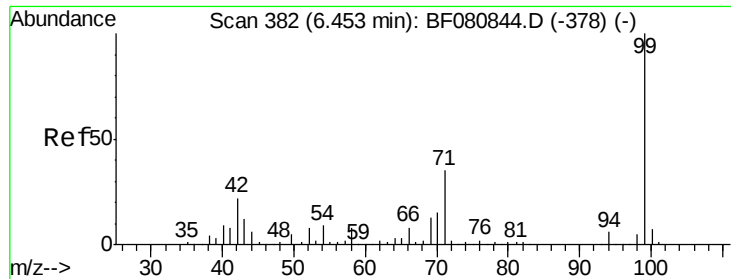
Ion Ratio Lower Upper

93 100

66 45.3 35.8 53.6

65 23.2 18.2 27.2





#7

Phenol-d6

Concen: 121.28 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

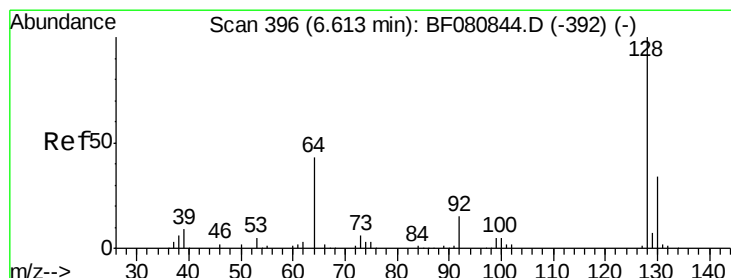
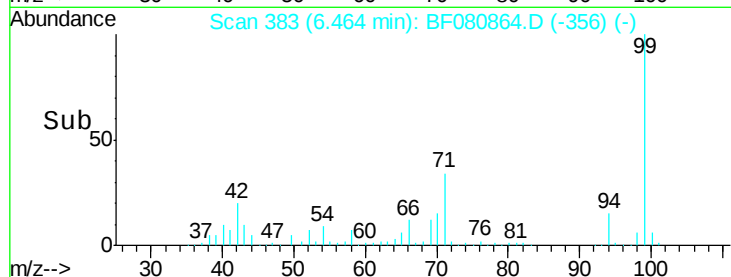
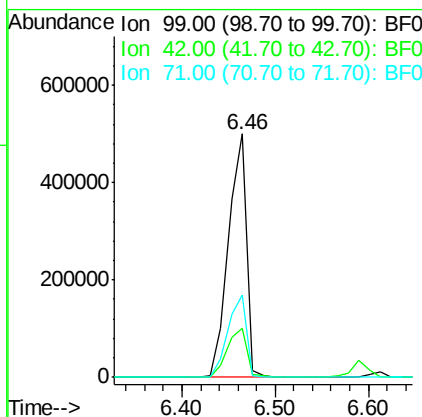
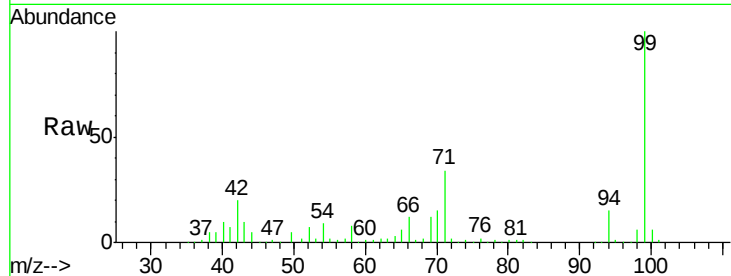
ClientSampleId :

TU021-SB-20-14MS

Tgt Ion:	99	Resp:	681863
Ion Ratio	Lower	Upper	
99	100		
42	19.9	17.9	26.9
71	33.7	28.2	42.4

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#8

2-Chlorophenol

Concen: 38.74 ng

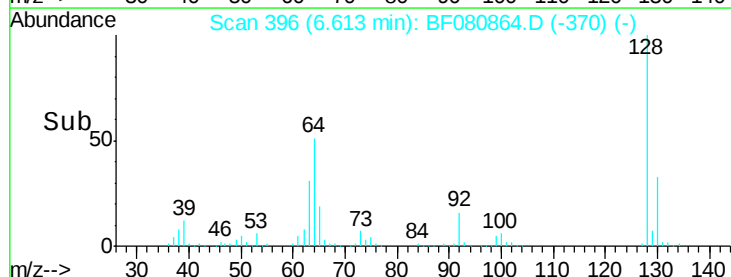
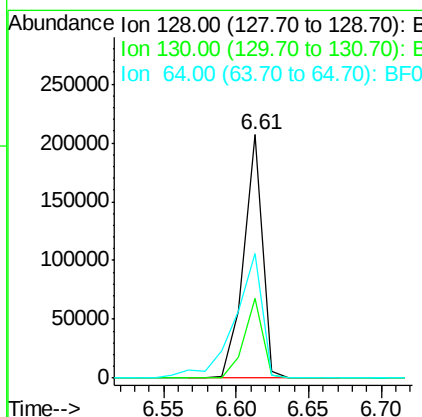
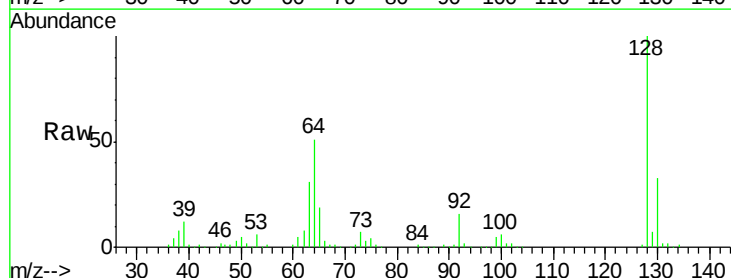
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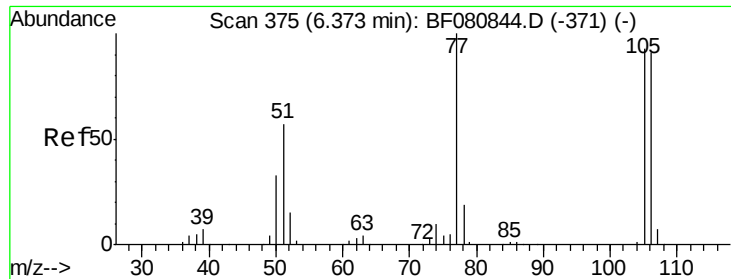
Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion:	128	Resp:	186633
Ion Ratio	Lower	Upper	
128	100		
130	32.8	13.9	53.9
64	50.9	26.2	66.2





#9

Benzaldehyde

Concen: 9.93 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

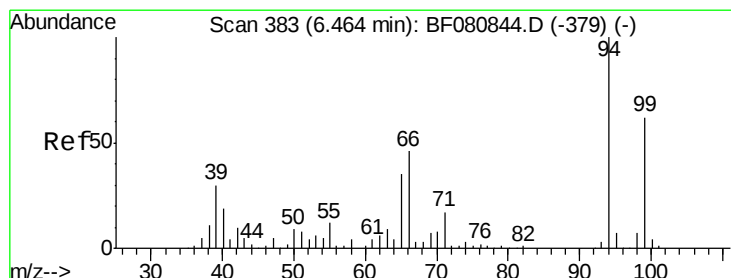
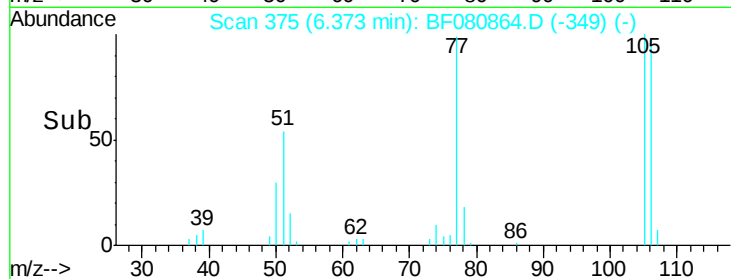
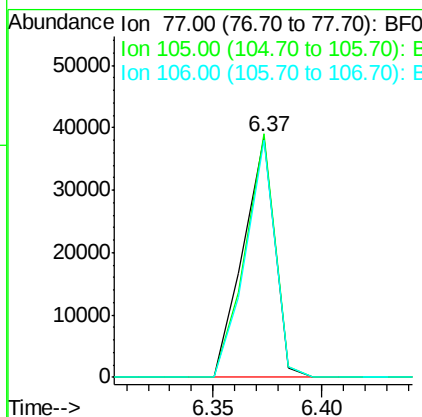
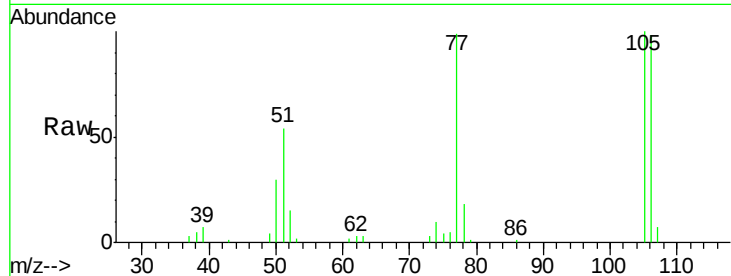
ClientSampleId :

TU021-SB-20-14MS

Tgt Ion:	77	Resp:	38963
Ion	Ratio	Lower	Upper
77	100		
105	101.4	73.5	113.5
106	98.9	70.8	110.8

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#10

Phenol

Concen: 40.24 ng

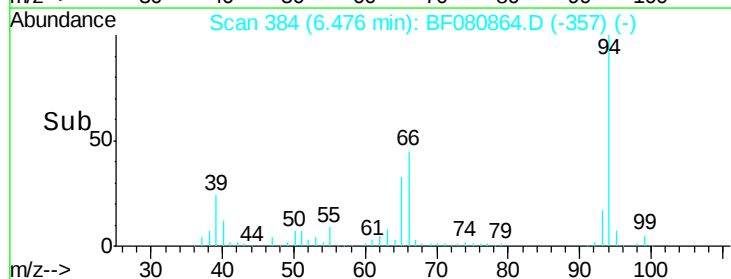
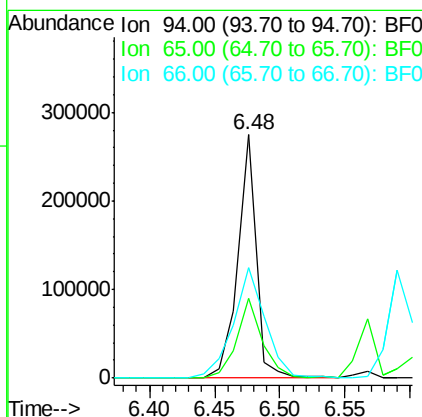
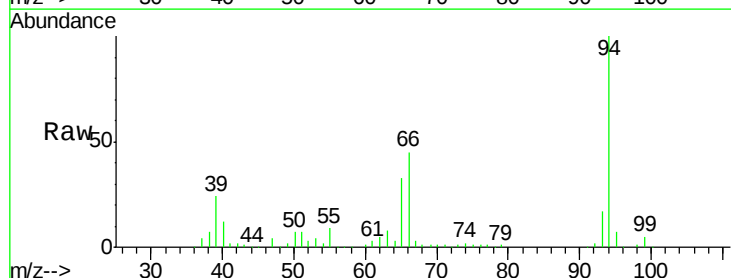
RT: 6.48 min Scan# 384

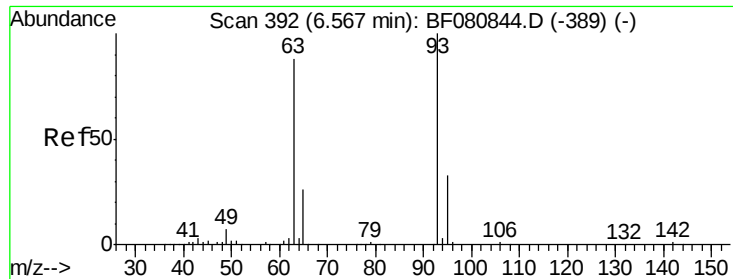
Delta R.T. 0.01 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion:	94	Resp:	269183
Ion	Ratio	Lower	Upper
94	100		
65	32.6	15.2	55.2
66	45.3	25.9	65.9





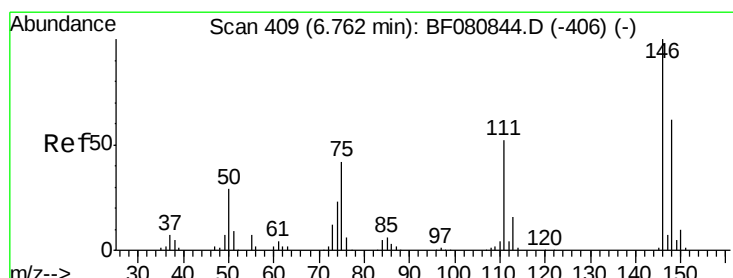
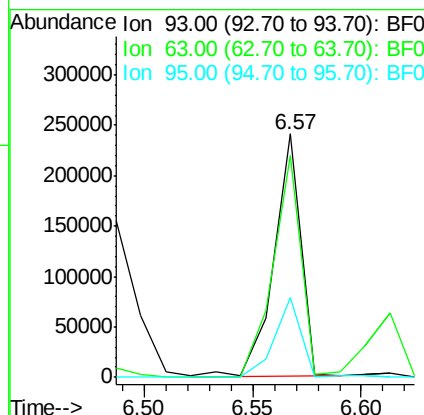
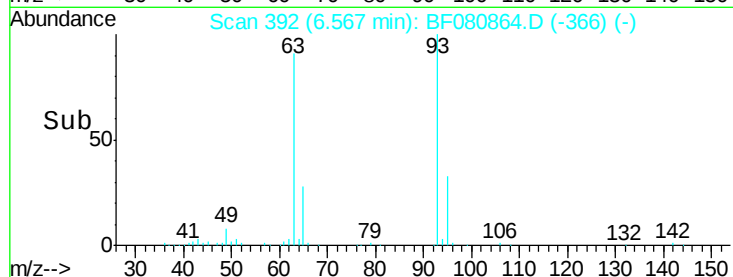
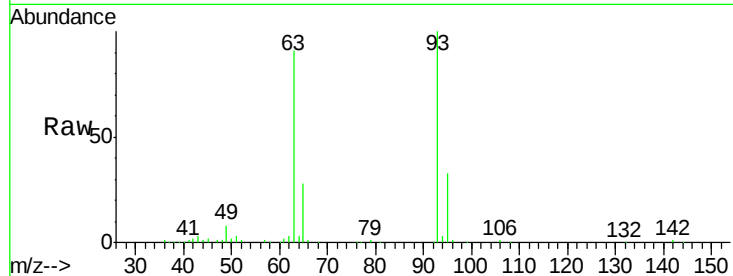
#11
bis(2-Chloroethyl)ether
Concen: 42.03 ng
RT: 6.57 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	209950		
63	91.1	67.6	107.6	
95	32.7	12.9	52.9	

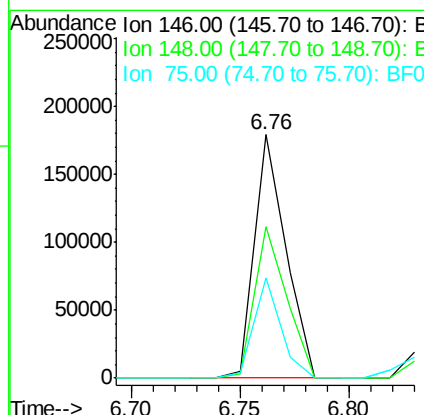
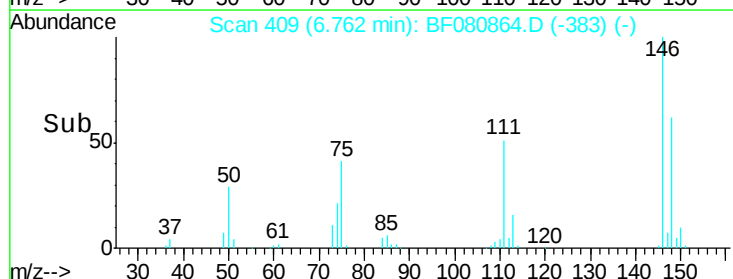
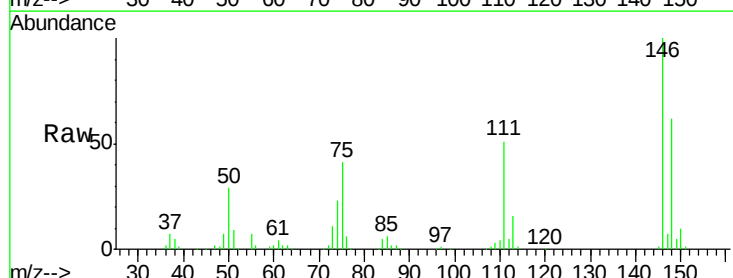
Manual Integrations
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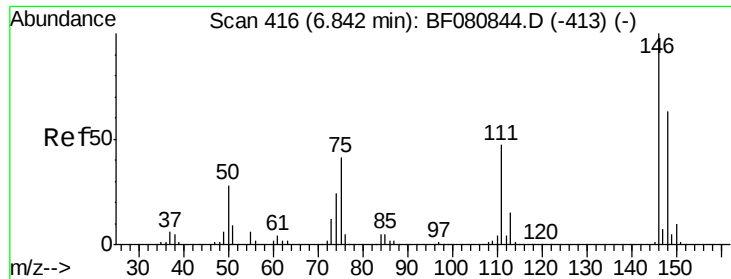
MMDadoda
8/5/2015 7:01:22 PM



#12
1,3-Dichlorobenzene
Concen: 34.84 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179878		
148	62.1	49.7	74.5	
75	41.4	33.5	50.3	





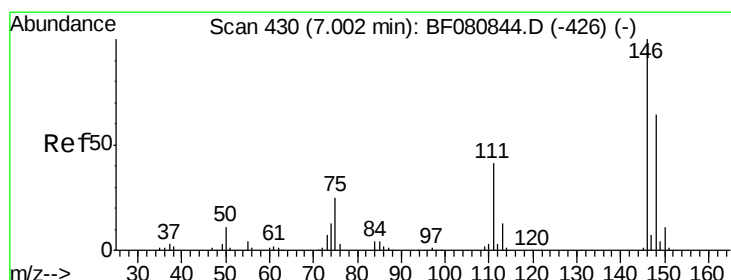
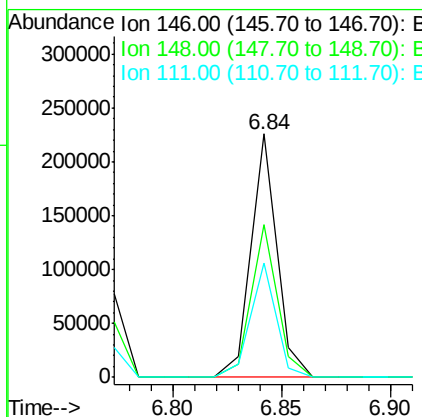
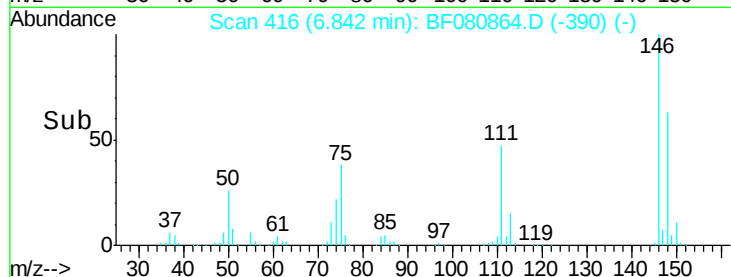
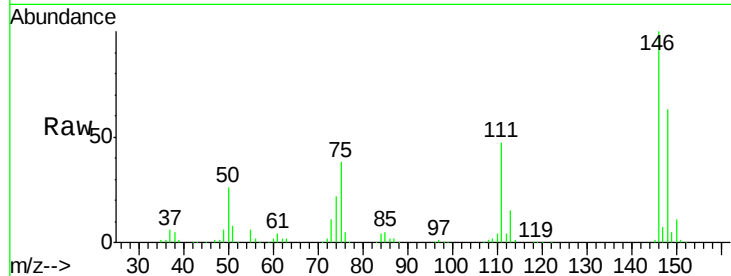
#13
 1,4-Dichlorobenzene
 Concen: 36.14 ng
 RT: 6.84 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.5	75.7
111	47.2	38.0	57.0

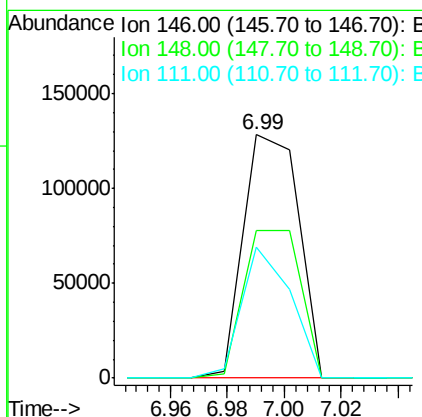
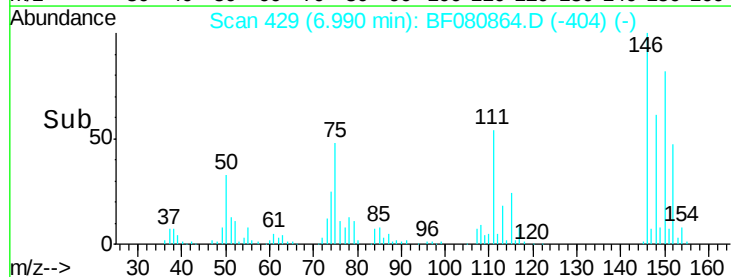
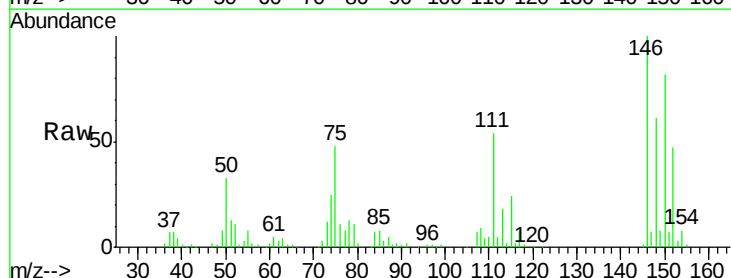
Manual Integrations
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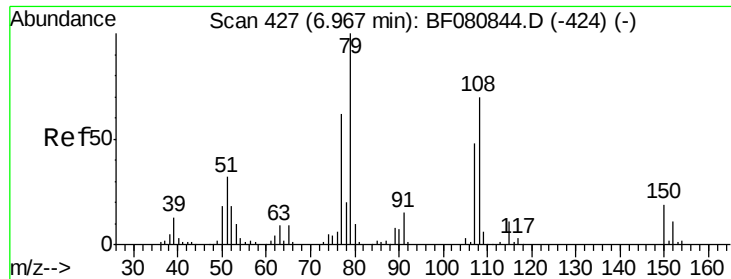
MMDadoda
 8/5/2015 7:01:22 PM



#14
 1,2-Dichlorobenzene
 Concen: 35.45 ng m
 RT: 6.99 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.9	51.0	76.6
111	53.9	32.7	49.1#





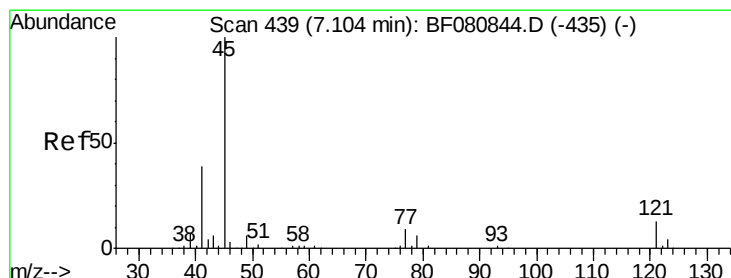
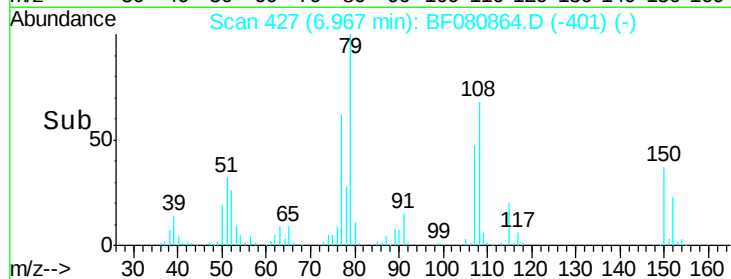
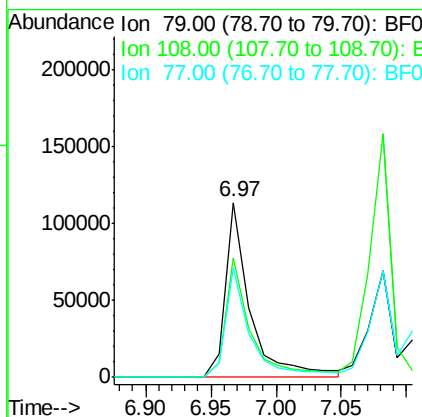
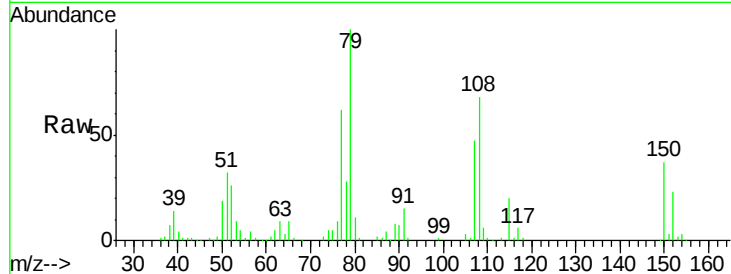
#15
Benzyl Alcohol
Concen: 41.11 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Lower	Upper
79	100		
108	68.4	55.9	83.9
77	62.3	49.4	74.2

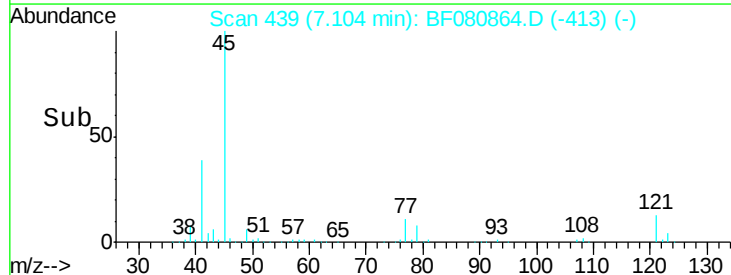
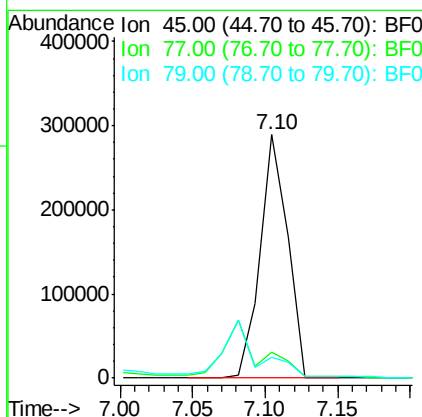
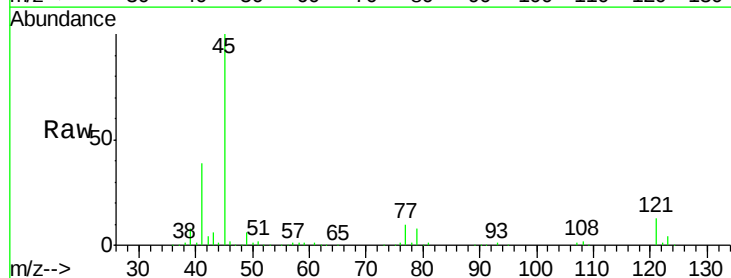
Manual Integrations
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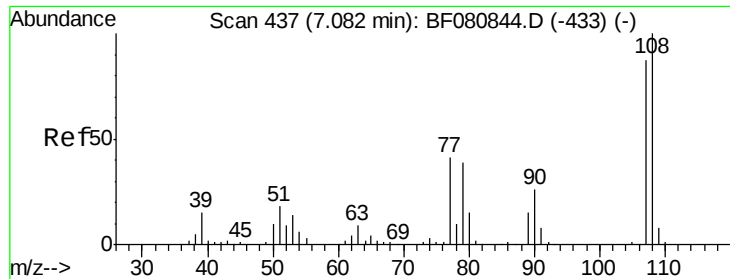
MMDadoda
8/5/2015 7:01:22 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.15 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

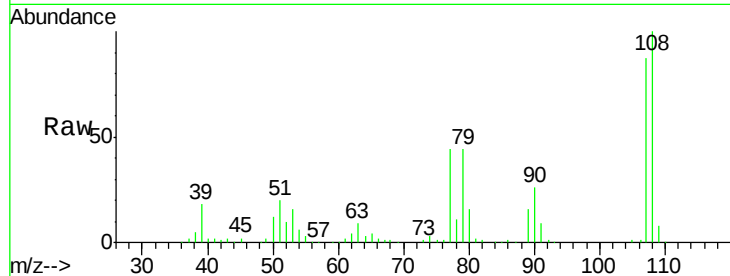
Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.5	0.0	30.5
79	8.4	0.0	28.2





#17
2-Methylphenol
Concen: 37.95 ng
RT: 7.08 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

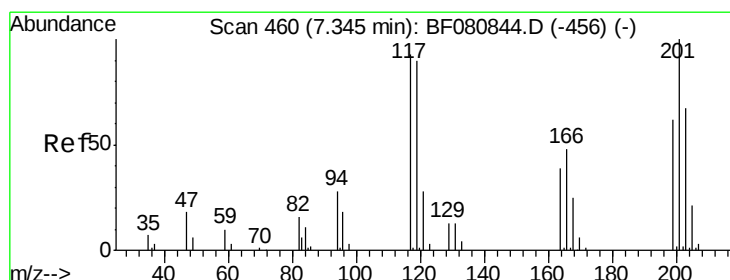
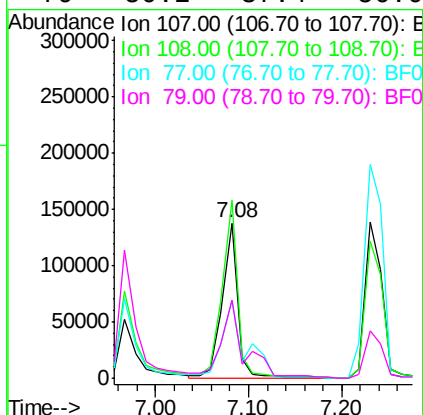
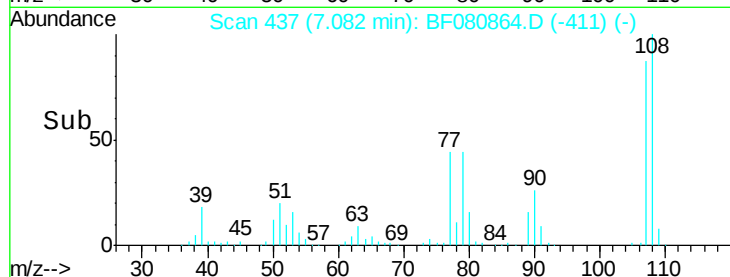
Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	160129		
108	114.7	91.8	137.8	
77	50.3	38.2	57.2	
79	50.2	37.4	56.0	

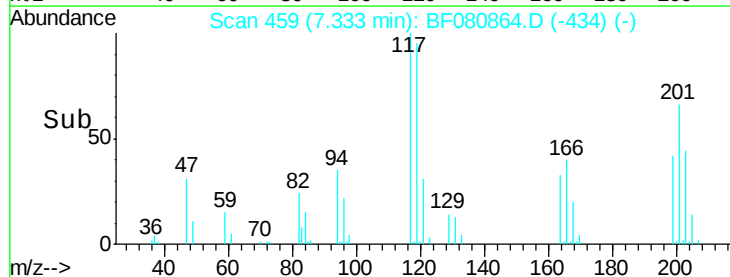
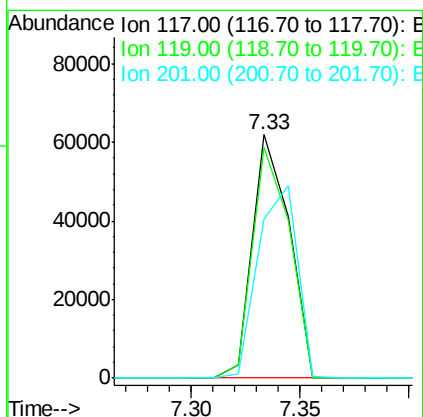
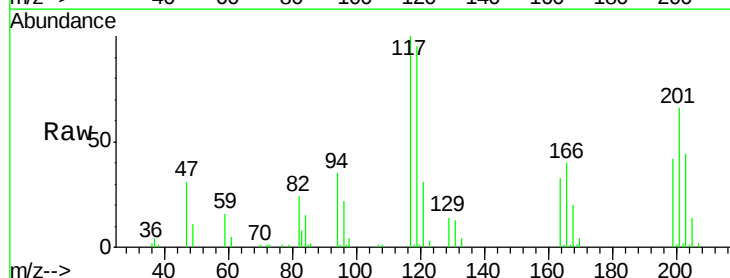
Manual Integrations
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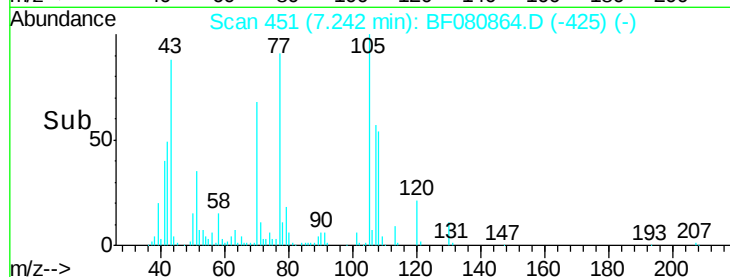
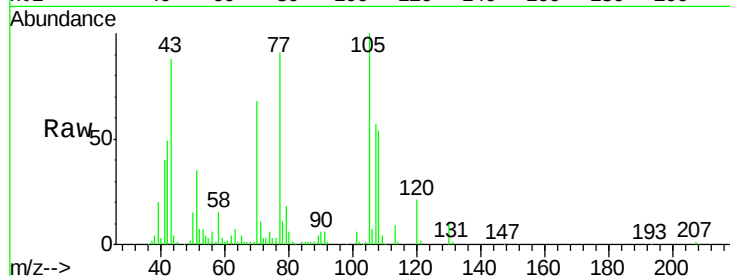
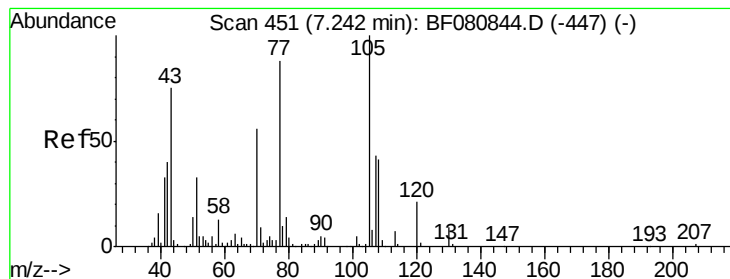
MMDadoda
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#18
Hexachloroethane
Concen: 37.08 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73020		
119	94.8	77.4	116.0	
201	65.6	85.8	128.6	





#19

n-Nitroso-di-n-propylamine

Concen: 36.88 ng

RT: 7.24 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

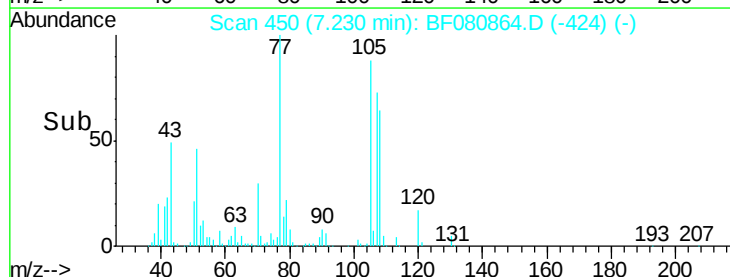
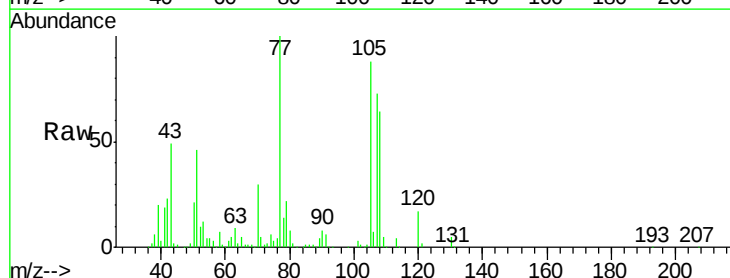
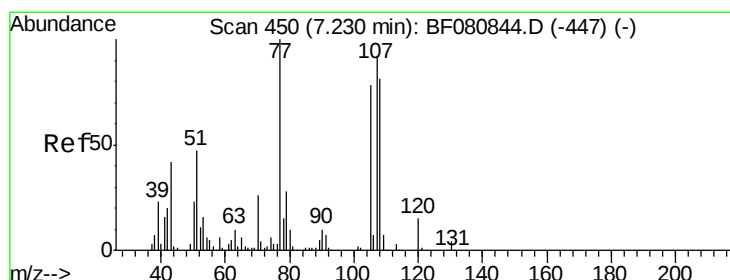
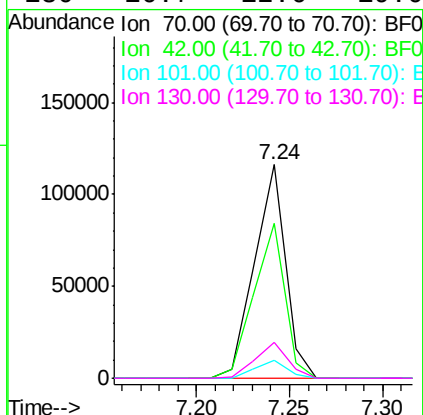
ClientSampleId :

TU021-SB-20-14MS

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
70	100		133950		
42	72.3	57.8	86.8		
101	8.3	6.7	10.1		
130	16.7	12.6	19.0		



#20

3+4-Methylphenols

Concen: 36.31 ng

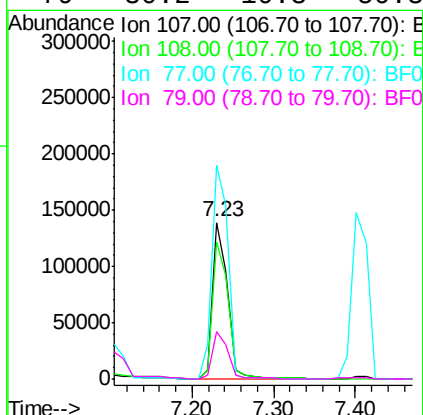
RT: 7.23 min Scan# 450

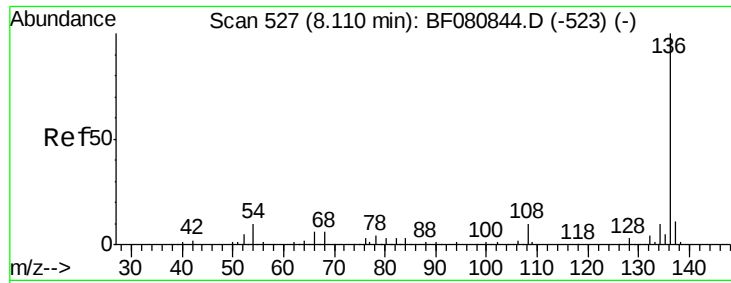
Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		177673		
108	87.7	68.2	108.2		
77	136.3	88.5	128.5#		
79	30.2	10.3	50.3		





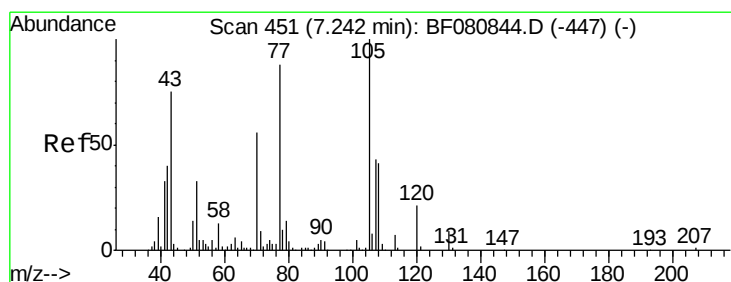
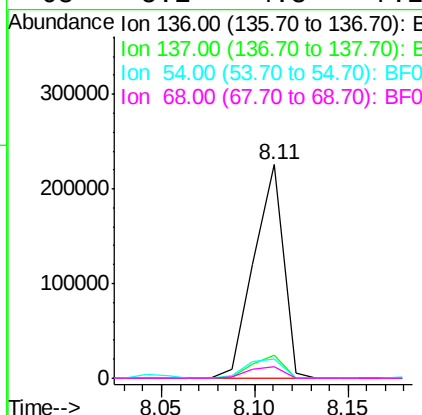
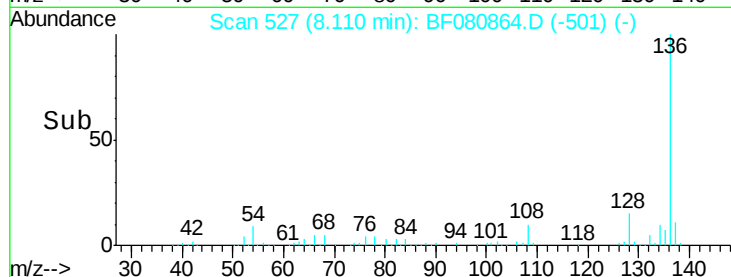
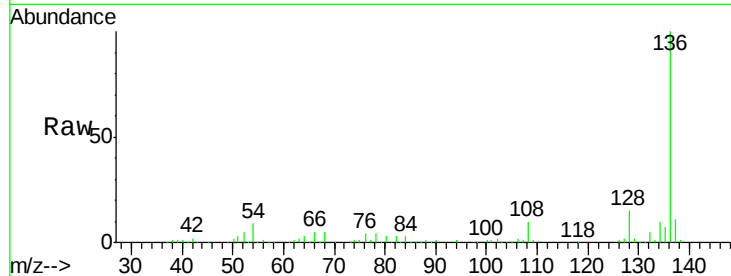
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	247986		
137	10.8	8.6	13.0	
54	9.2	8.3	12.5	
68	5.1	4.8	7.2	

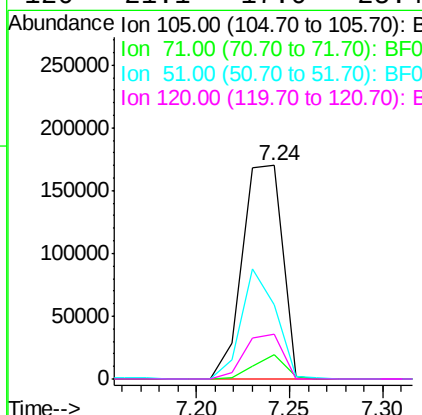
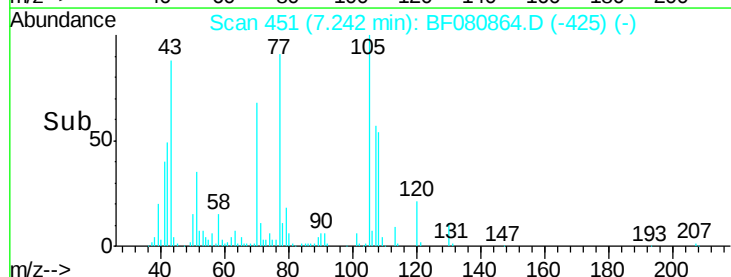
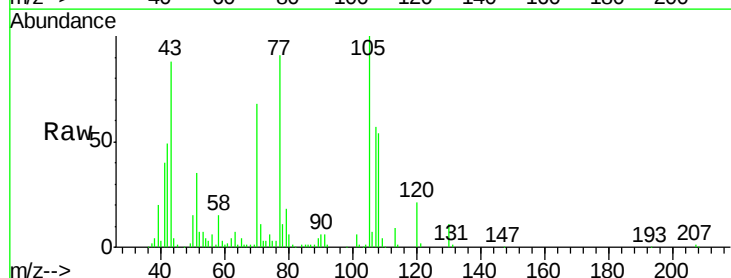
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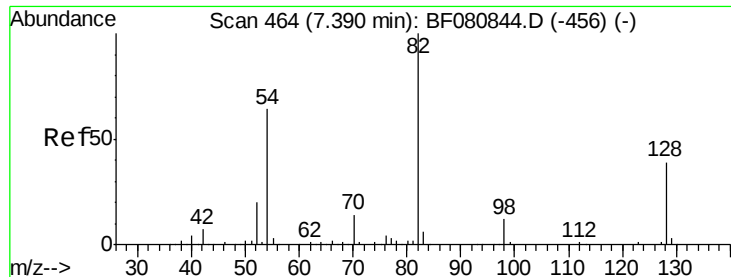
MMDadoda
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#22
Acetophenone
Concen: 41.64 ng
RT: 7.24 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252214		
71	11.5	7.4	11.2#	
51	34.9	26.5	39.7	
120	21.1	17.0	25.4	





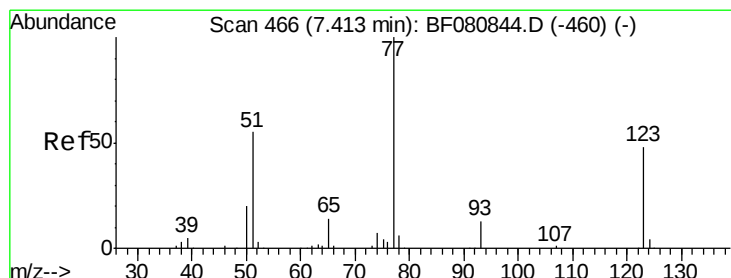
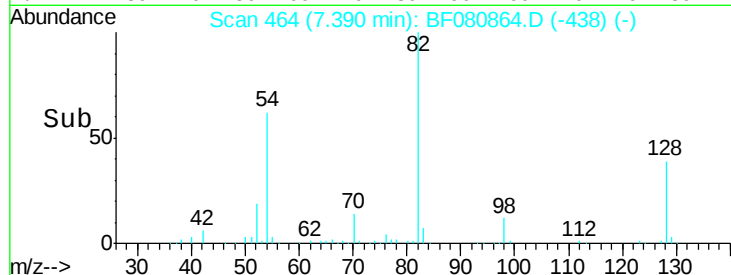
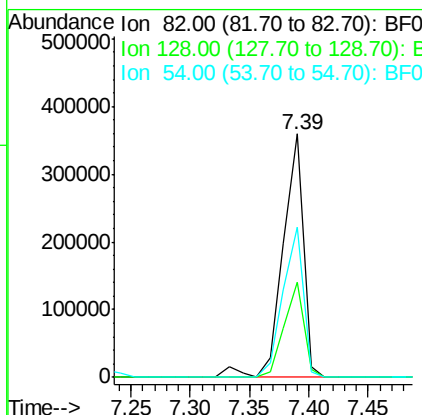
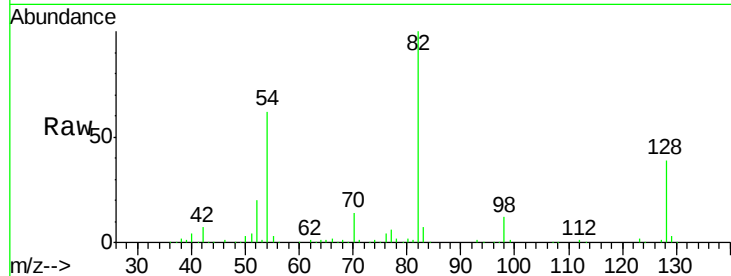
#23
 Nitrobenzene-d5
 Concen: 81.59 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	429349		
128	39.2	31.0	46.4	
54	61.9	51.0	76.6	

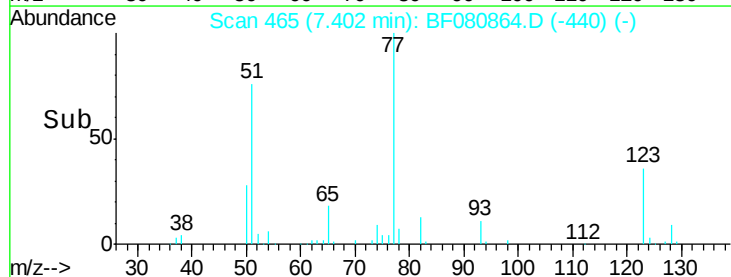
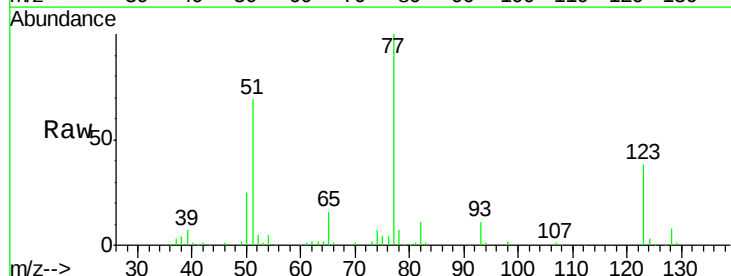
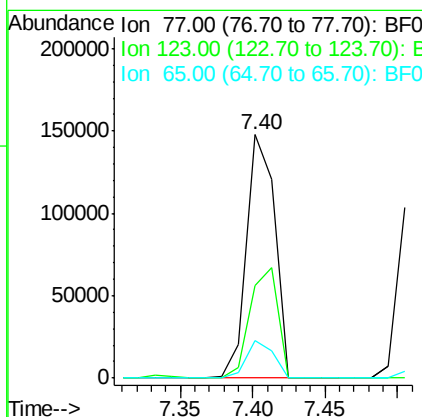
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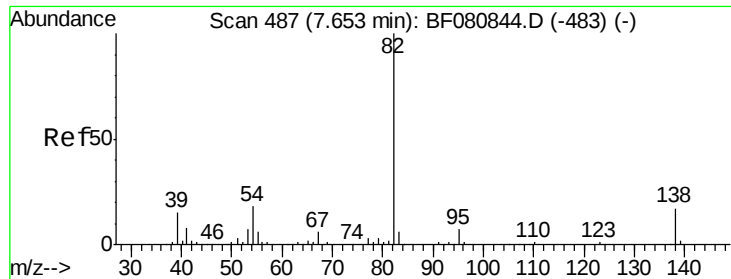
MMDadoda
 8/5/2015 7:01:22 PM



#24
 Nitrobenzene
 Concen: 36.62 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	199857		
123	37.9	39.7	59.5#	
65	15.6	11.0	16.6	





#25

Isophorone

Concen: 40.10 ng

RT: 7.65 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS

Tgt Ion: 82 Resp: 373893
Ion Ratio Lower Upper

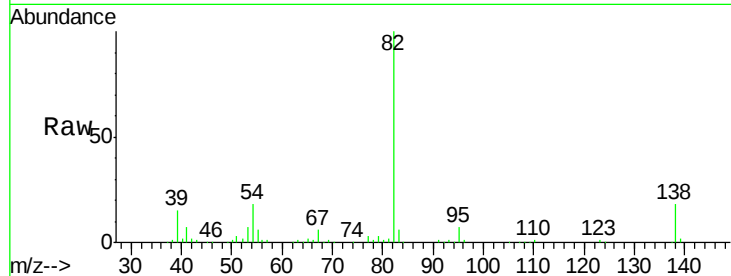
82 100

95 7.3 5.5 8.3

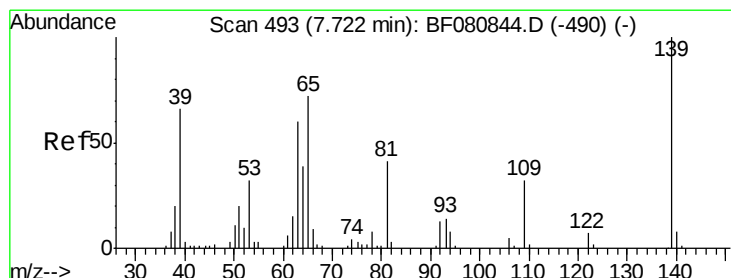
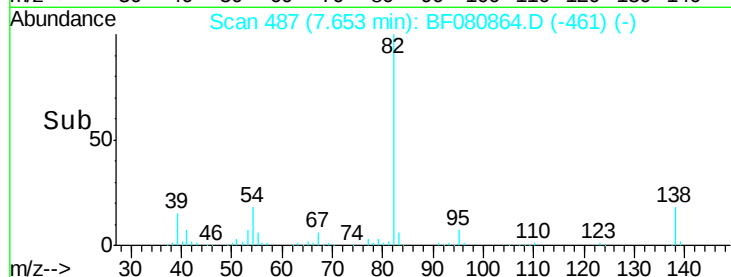
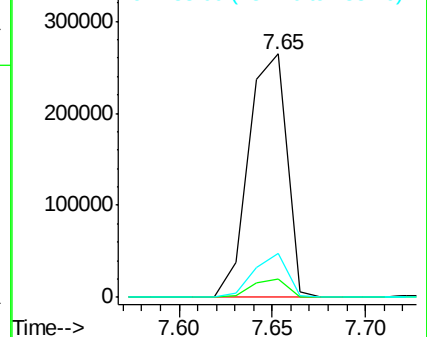
138 17.8 13.3 19.9

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 39.90 ng m

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF080864.D

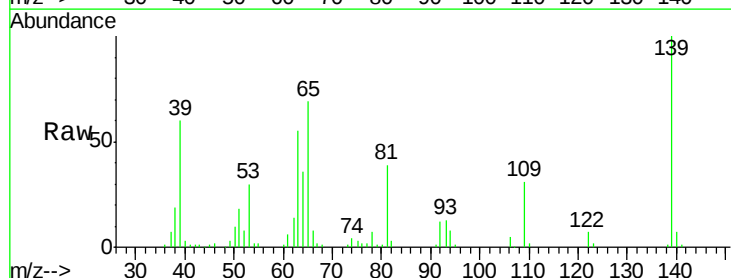
Acq: 5 Aug 2015 5:34

Tgt Ion: 139 Resp: 89324
Ion Ratio Lower Upper

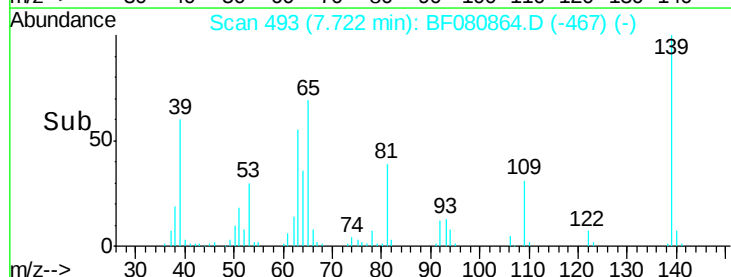
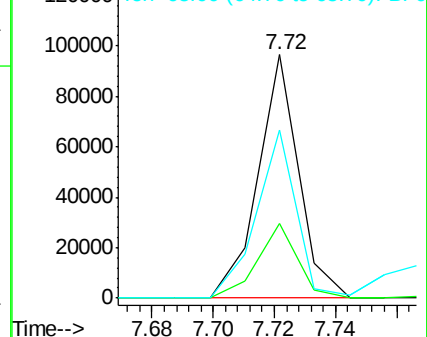
139 100

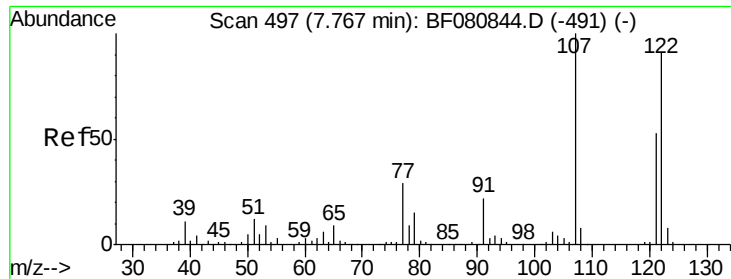
109 30.8 25.2 37.8

65 69.0 57.3 85.9



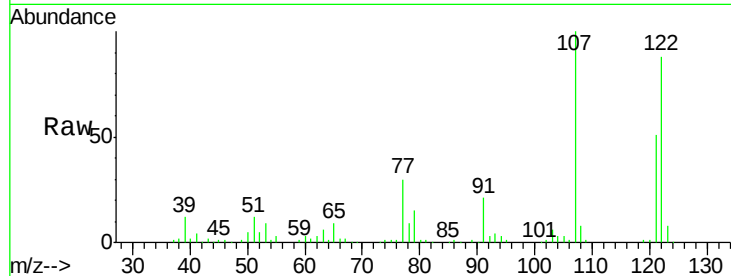
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27
 2,4-Dimethylphenol
 Concen: 37.75 ng m
 RT: 7.77 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

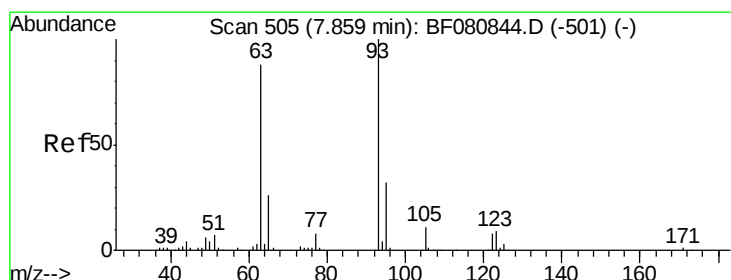
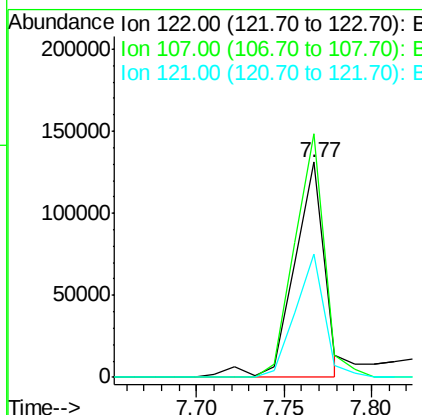
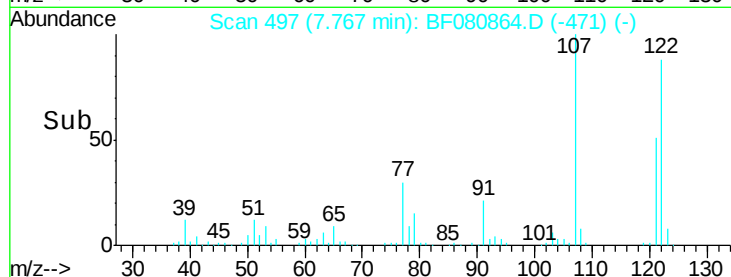
Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS



Tgt Ion	Ratio	Resp	Lower	Upper
122	100	157347		
107	113.3	88.2	132.4	
121	57.6	46.8	70.2	

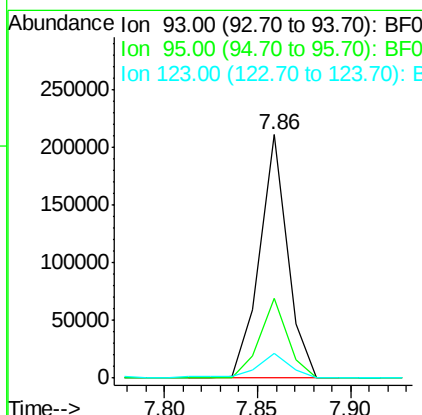
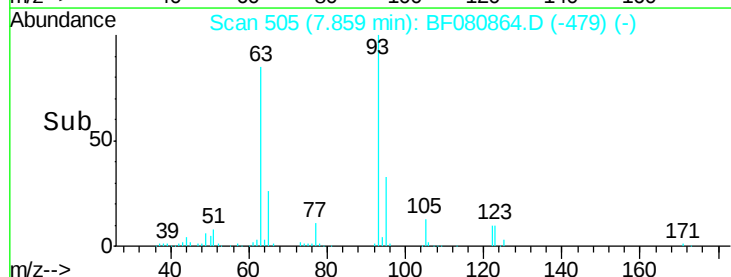
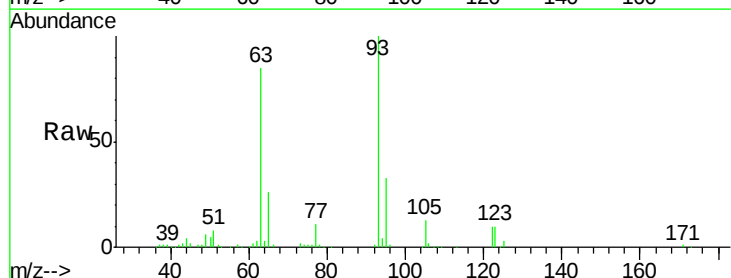
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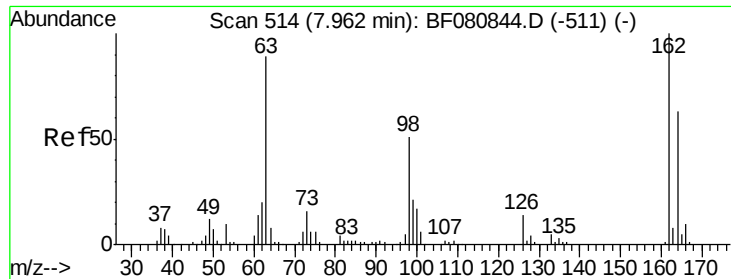
MMDadoda
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#28
 bis(2-Chloroethoxy)methane
 Concen: 38.08 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	218358		
95	32.6	25.9	38.9	
123	10.1	7.9	11.9	





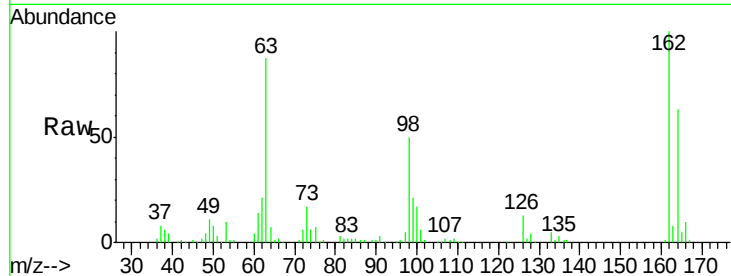
#29
 2,4-Dichlorophenol
 Concen: 38.23 ng
 RT: 7.96 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

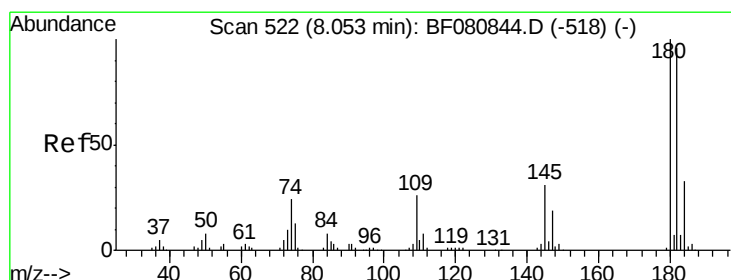
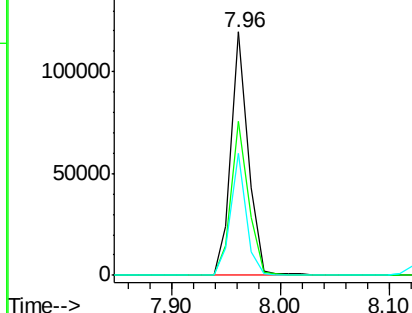
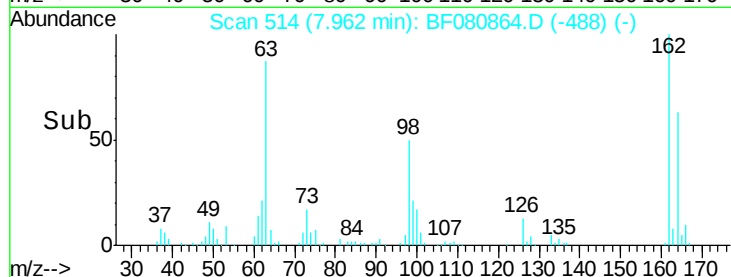
Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.2	43.1	83.1
98	50.4	31.3	71.3

Manual Integrations
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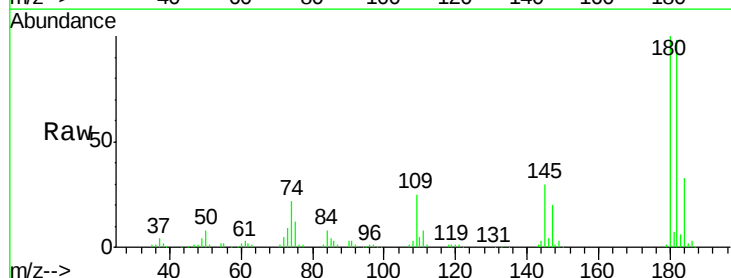


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

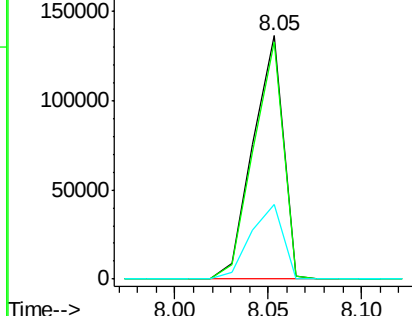
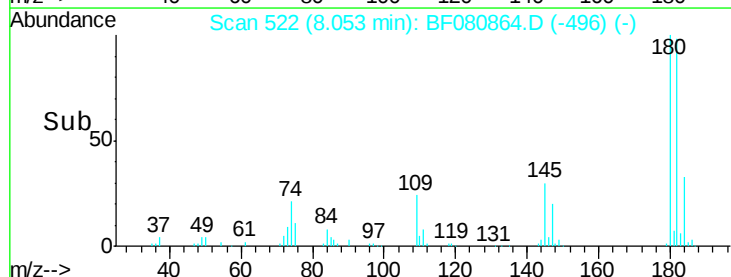


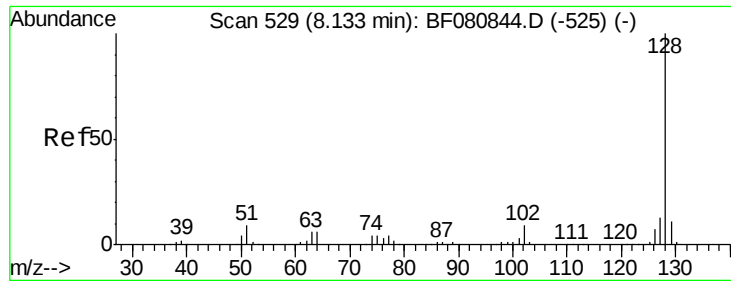
#30
 1,2,4-Trichlorobenzene
 Concen: 39.01 ng
 RT: 8.05 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.6	77.0	115.4
145	30.4	25.1	37.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





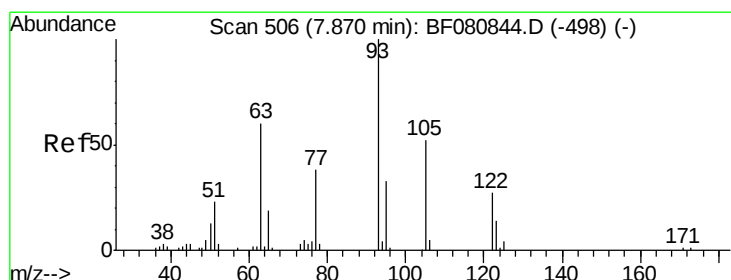
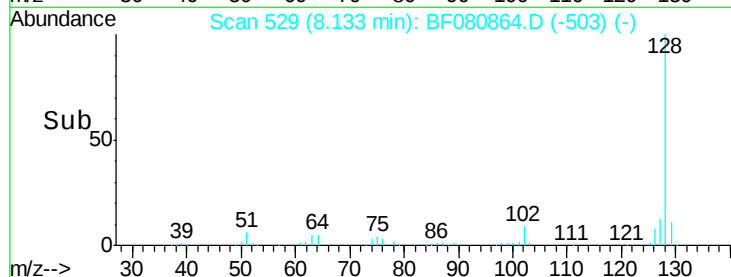
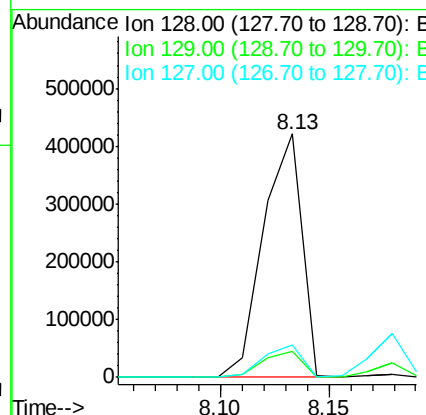
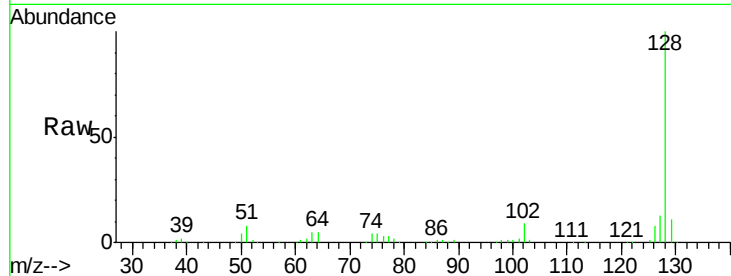
#31
Naphthalene
Concen: 38.88 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.6	15.8

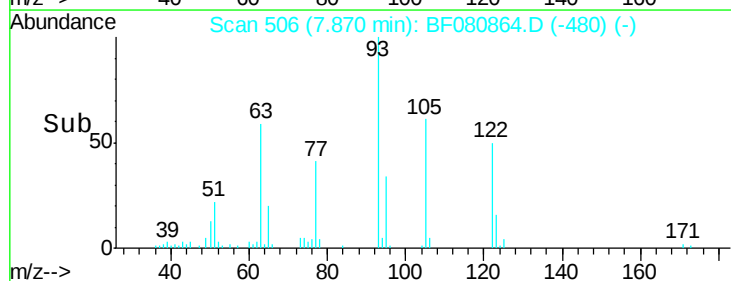
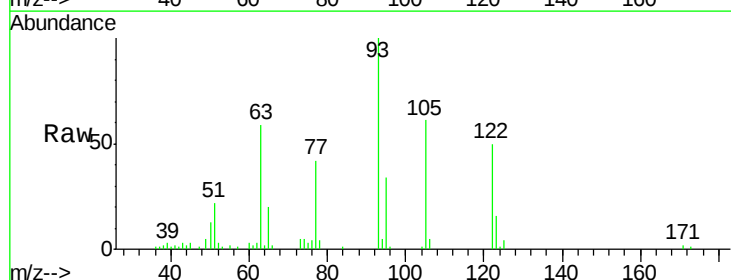
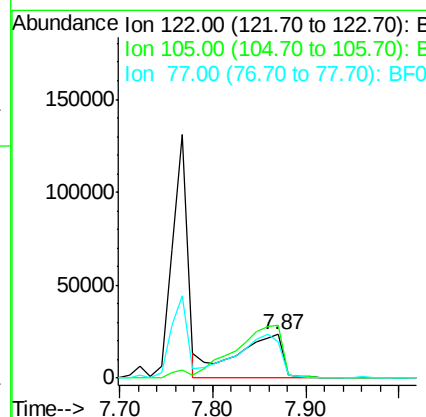
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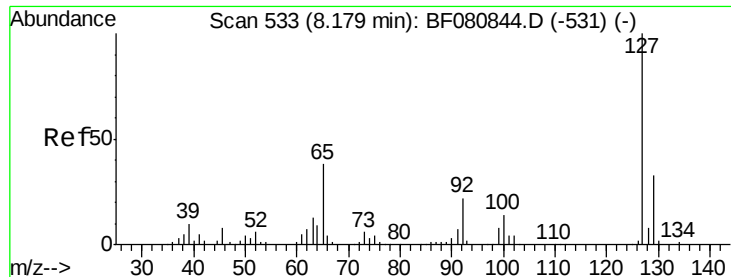
MMDadoda
8/5/2015 7:01:22 PM



#32
Benzoic acid
Concen: 30.91 ng m
RT: 7.87 min Scan# 506
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
122	100		
105	121.2	110.1	150.1
77	84.8	83.6	123.6





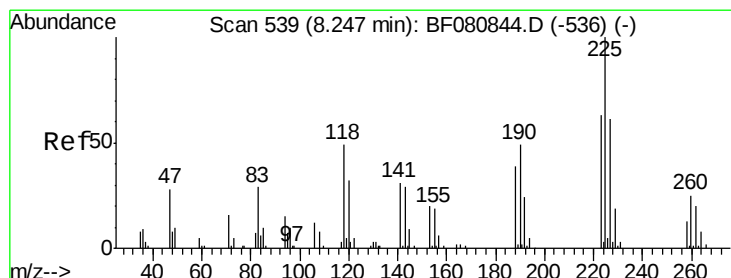
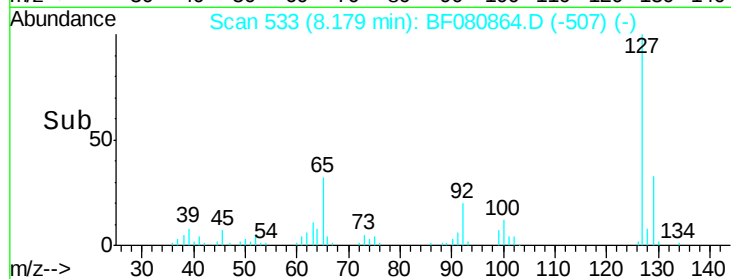
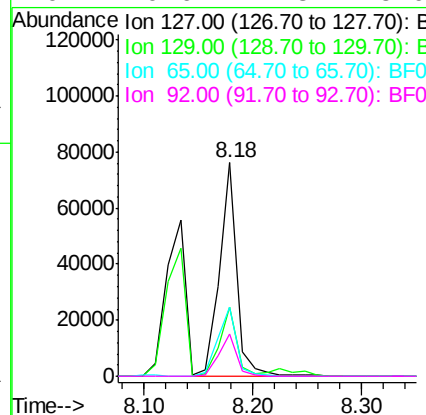
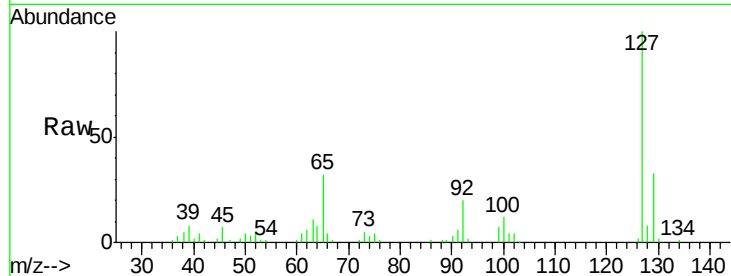
#33
4-Chloroaniline
Concen: 16.21 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	85632		
129	32.5	26.2	39.2	
65	32.2	30.3	45.5	
92	19.6	17.3	25.9	

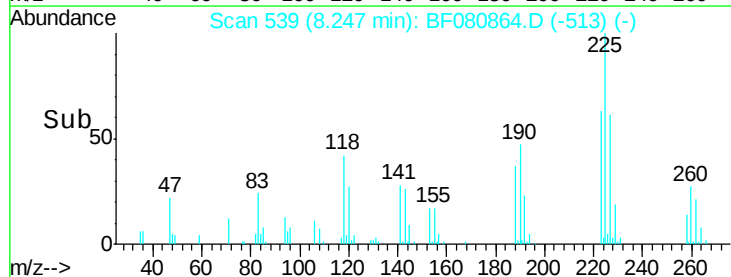
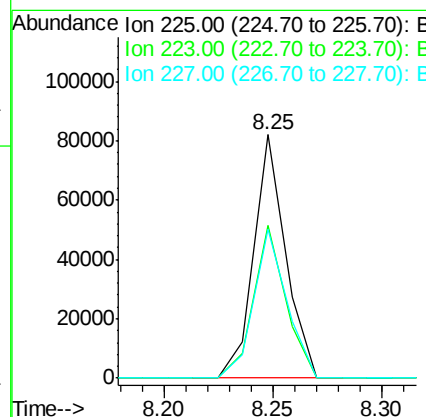
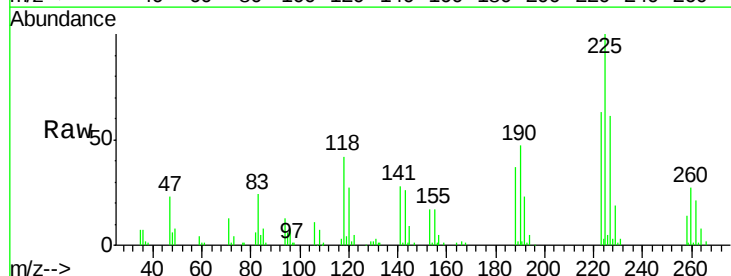
Manual Integrations
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#34
Hexachlorobutadiene
Concen: 37.44 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83573		
223	62.6	50.0	75.0	
227	61.3	48.5	72.7	





#35

Caprolactam

Concen: 39.72 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF080864.D

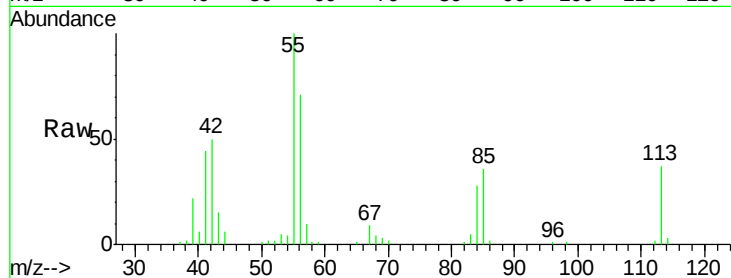
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS



Tgt Ion:113 Resp: 39036

Ion Ratio Lower Upper

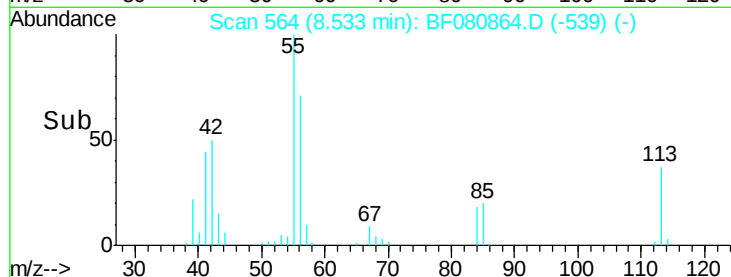
113 100

55 271.9 236.2 276.2

56 192.3 165.2 205.2

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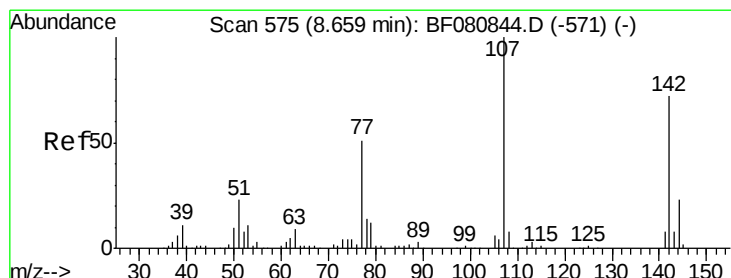
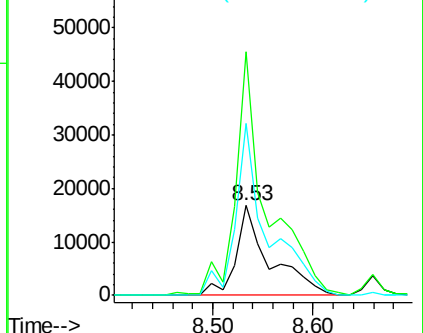
MMDadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 39.17 ng

RT: 8.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

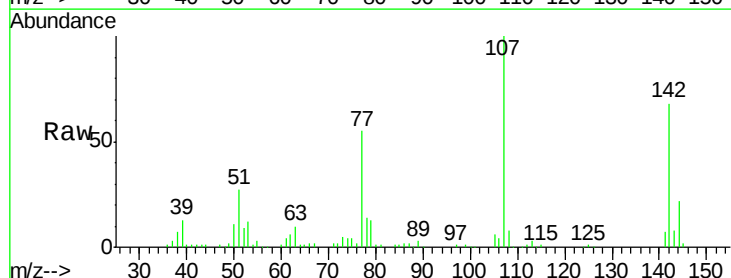
Tgt Ion:107 Resp: 147905

Ion Ratio Lower Upper

107 100

144 21.7 18.3 27.5

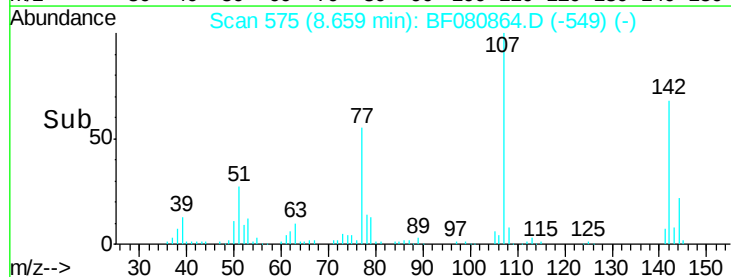
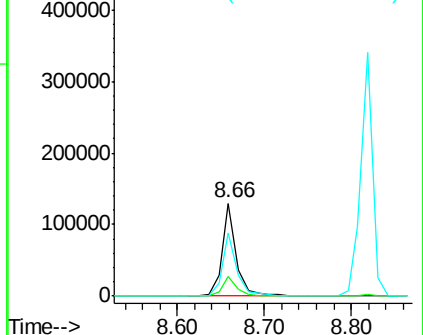
142 68.3 57.8 86.8

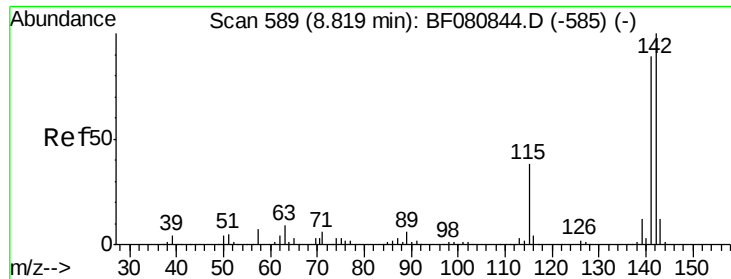


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





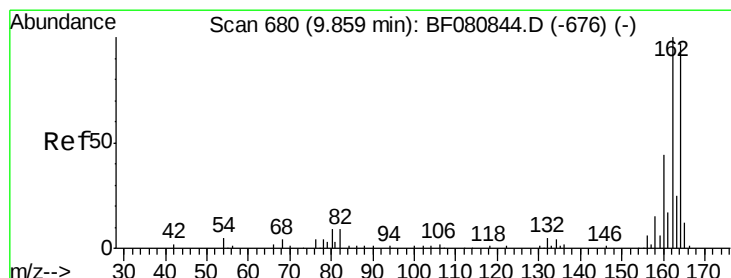
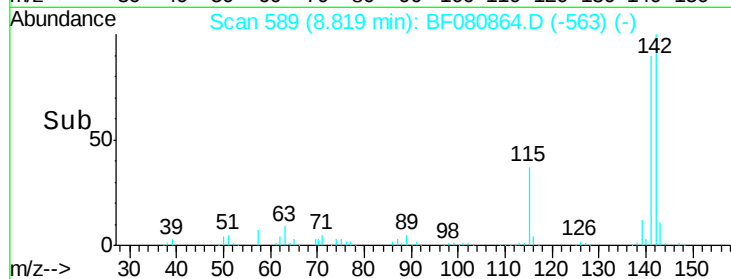
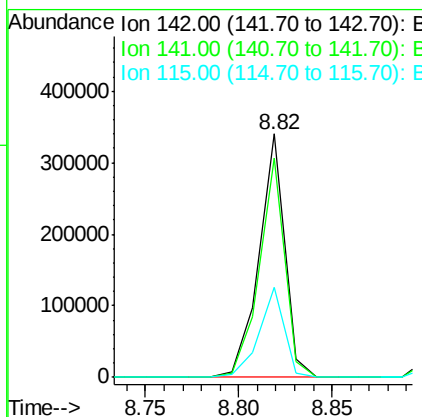
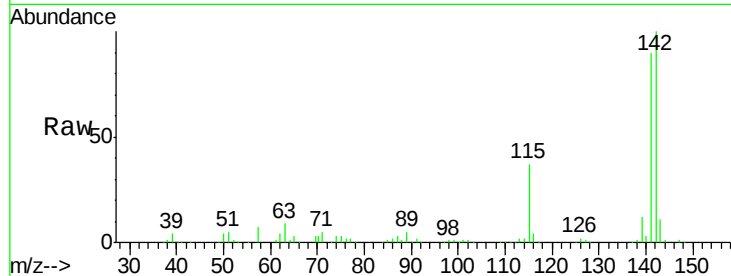
#37
 2-Methylnaphthalene
 Concen: 39.84 ng
 RT: 8.82 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	322504		
141	89.9	71.5	107.3	
115	37.0	30.5	45.7	

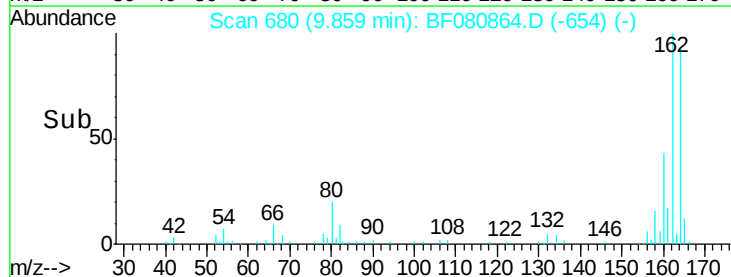
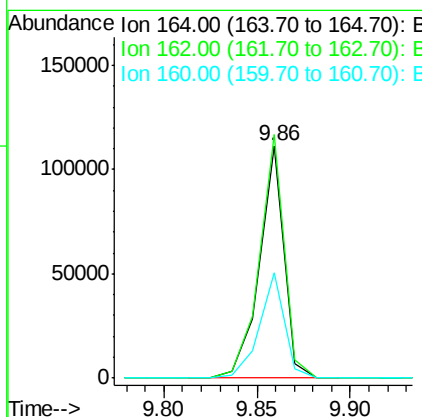
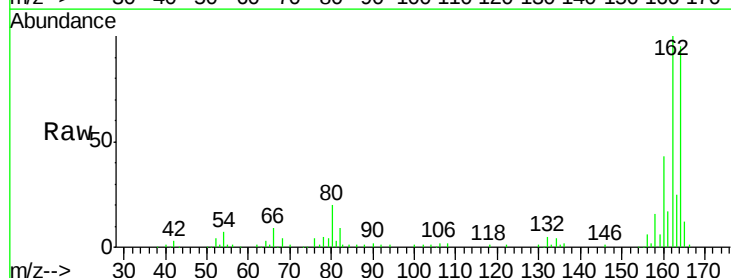
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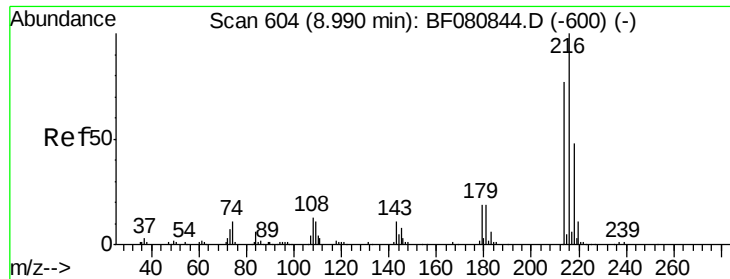
MMDadoda
 8/5/2015 7:01:22 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102673		
162	104.9	82.9	124.3	
160	45.5	36.6	54.8	





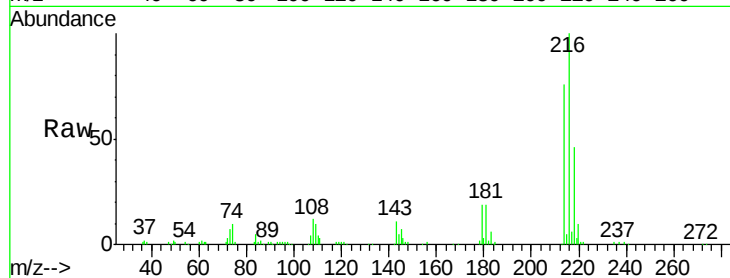
#39
1,2,4,5-Tetrachlorobenzene
Concen: 37.44 ng
RT: 8.99 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

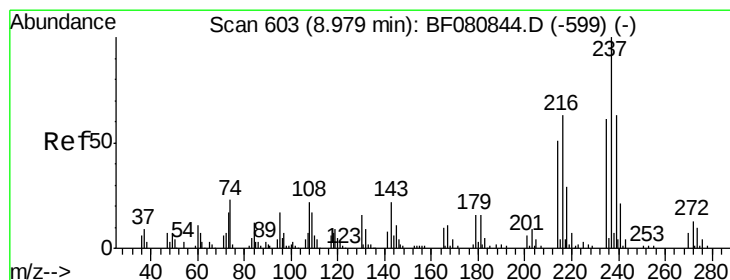
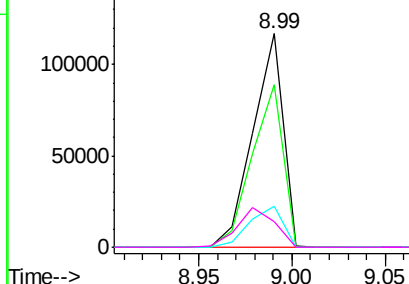
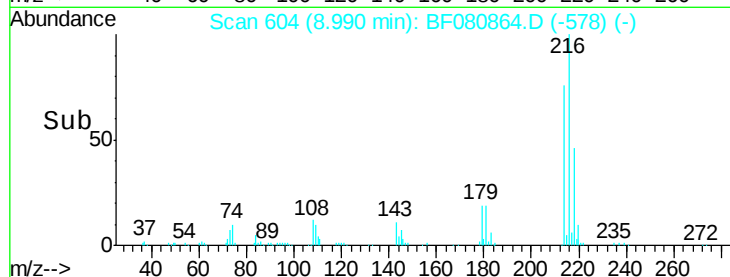
Manual Integrations
APPROVED

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8/5/2015 7:01:22 PM

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	131166		
214	78.1	62.1	93.1	
179	21.5	17.0	25.6	
108	22.9	16.5	24.7	

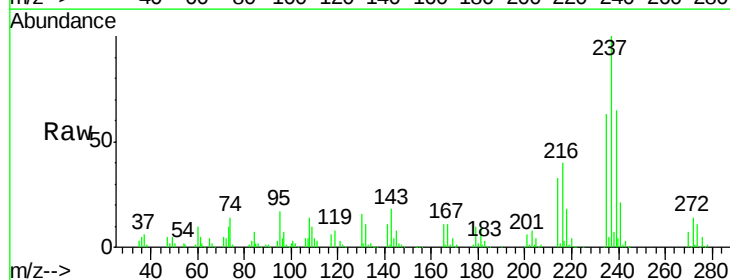


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

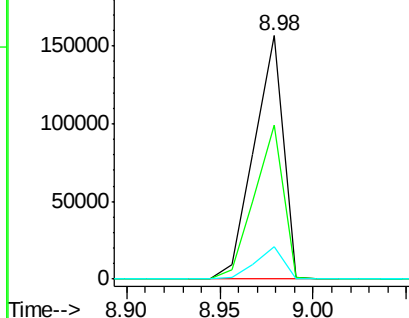
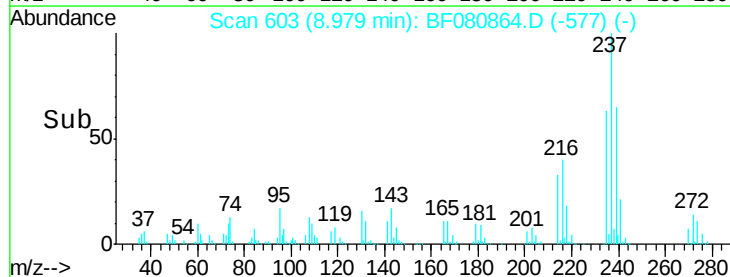


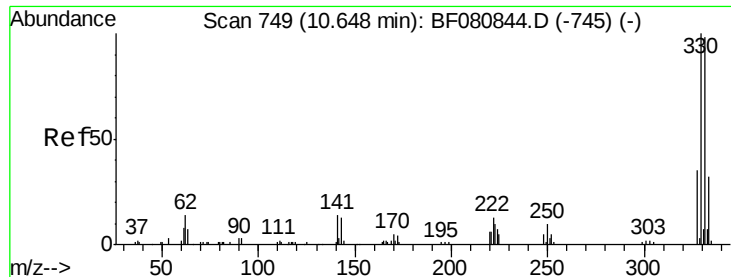
#40
Hexachlorocyclopentadiene
Concen: 80.79 ng
RT: 8.98 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	169996		
235	63.3	40.9	80.9	
272	13.6	0.0	33.1	



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





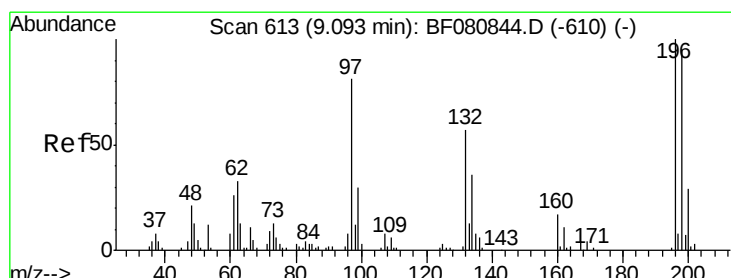
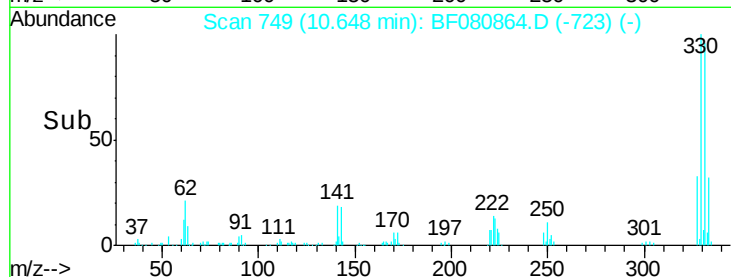
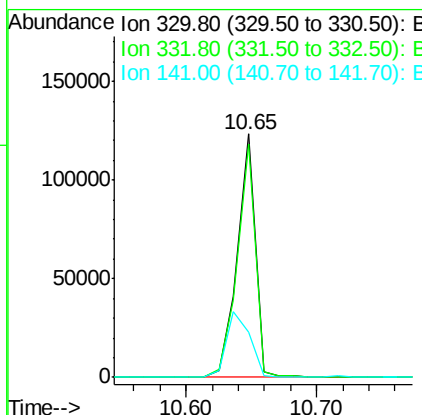
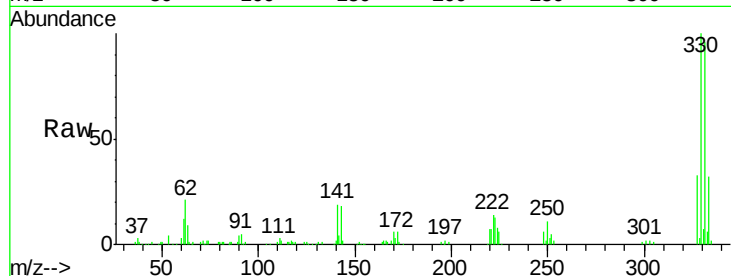
#41
 2,4,6-Tribromophenol
 Concen: 120.09 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	118908		
332	95.7	77.8	116.8	
141	35.2	28.4	42.6	

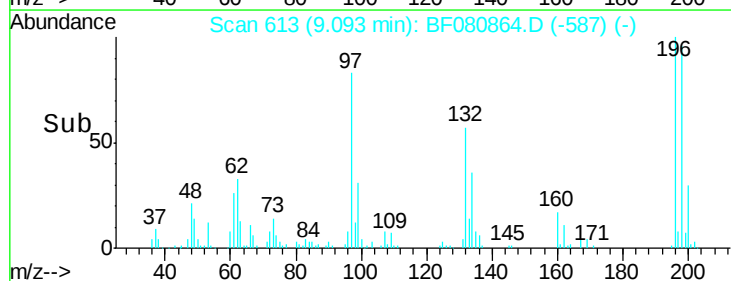
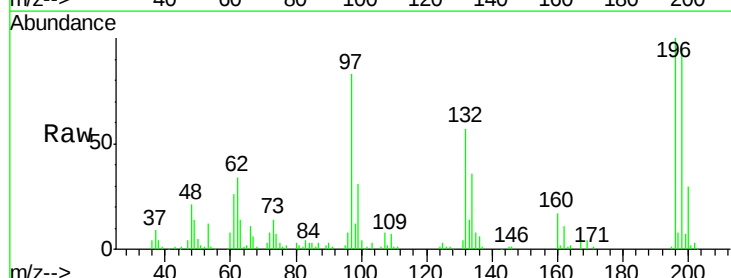
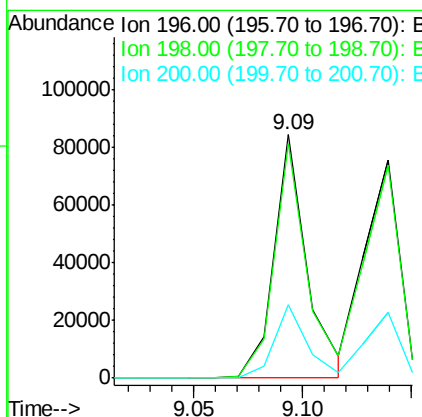
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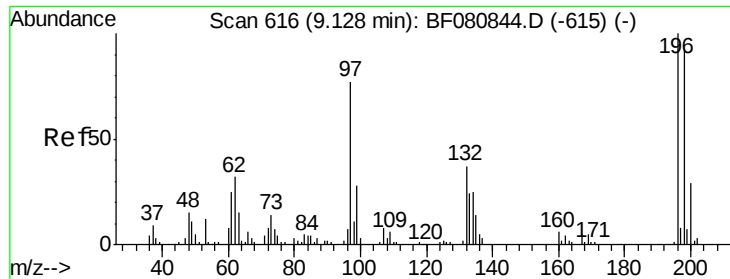
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 8/5/2015 7:01:22 PM



#42
 2,4,6-Trichlorophenol
 Concen: 37.79 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	89747		
198	96.2	76.4	114.6	
200	29.9	23.1	34.7	





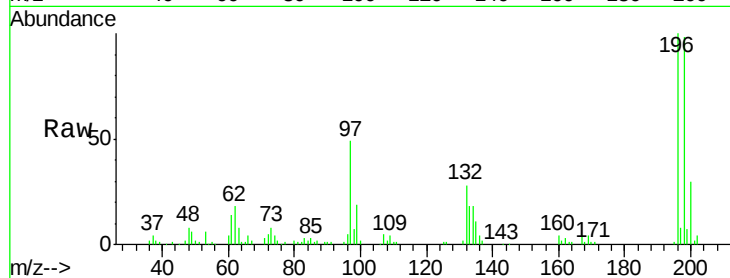
#43
 2,4,5-Trichlorophenol
 Concen: 37.23 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	88669		
198	97.7	74.2	111.4	
97	49.1	63.0	94.6	#
132	28.4	30.0	45.0	#

Manual Integrations
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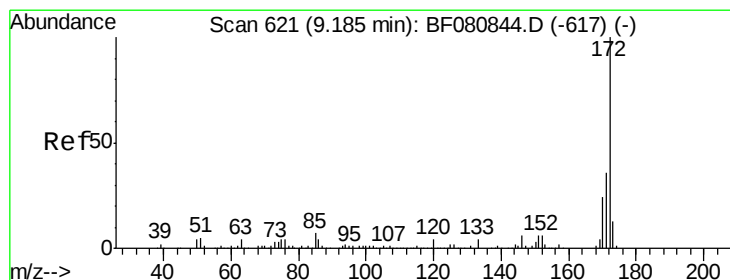
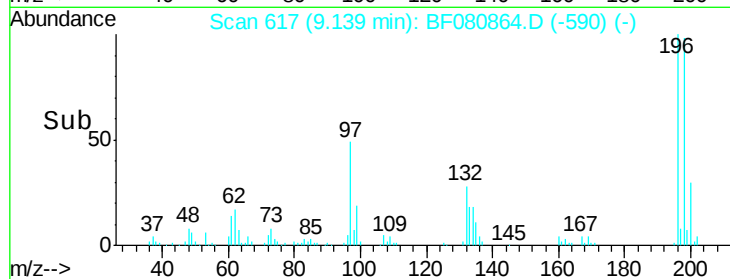
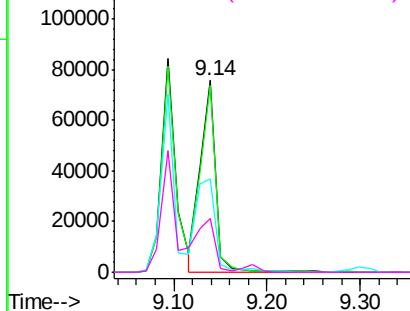
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 80.67 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

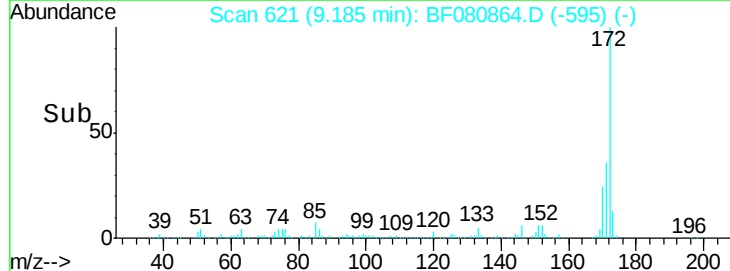
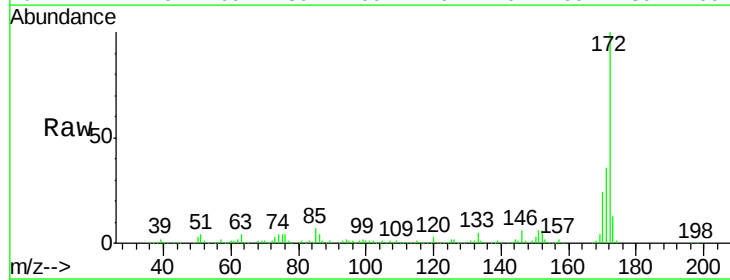
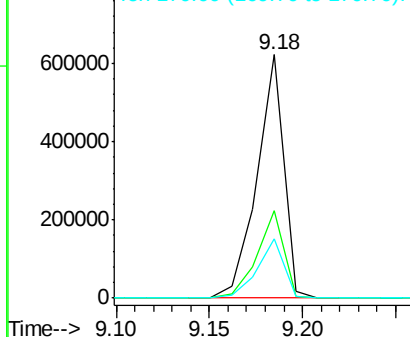
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	615110		
171	36.1	28.9	43.3	
170	24.3	19.4	29.2	

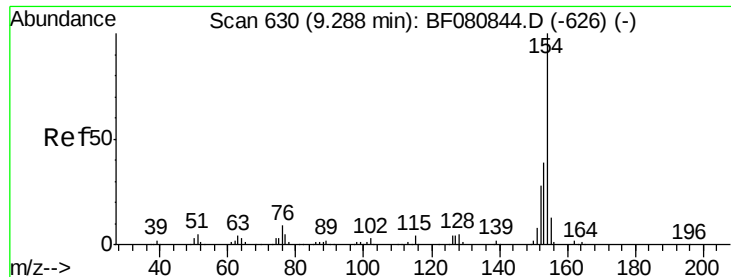
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 39.25 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF080864.D

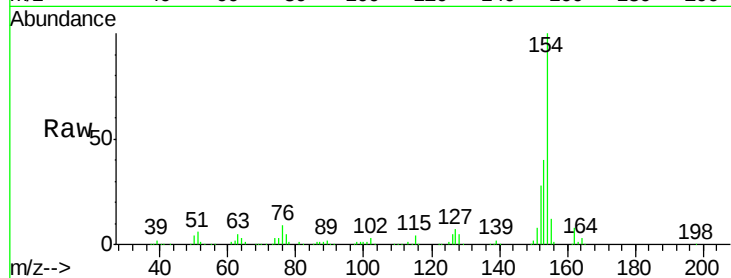
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

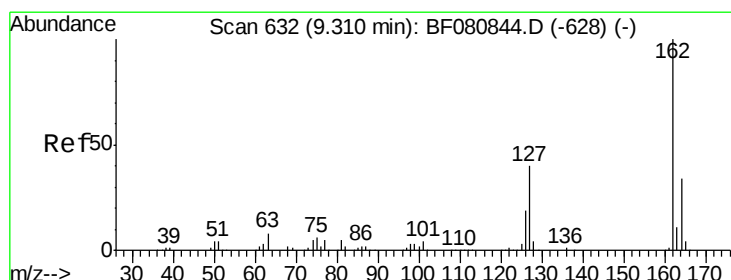
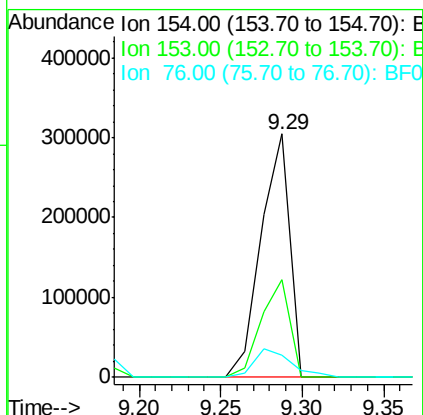
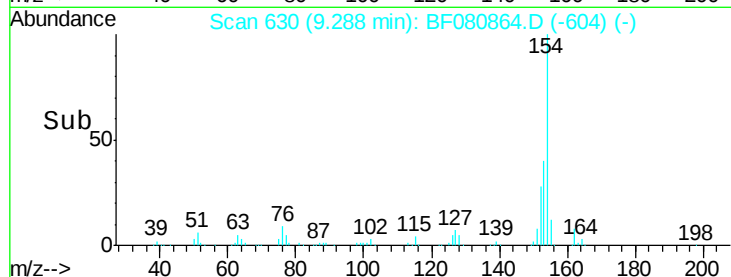
TU021-SB-20-14MS



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.1	19.2	59.2	
76	8.9	0.0	29.3	

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#46

2-Chloronaphthalene

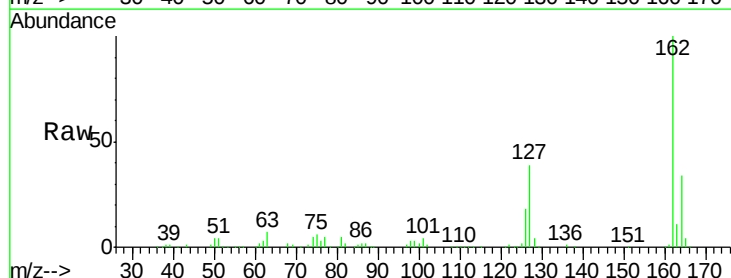
Concen: 38.30 ng

RT: 9.31 min Scan# 632

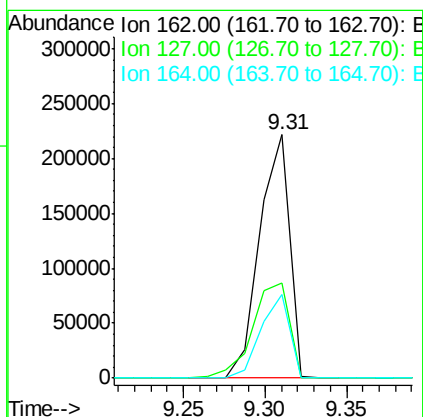
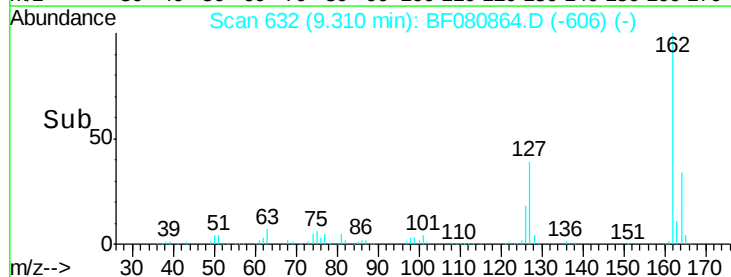
Delta R.T. 0.00 min

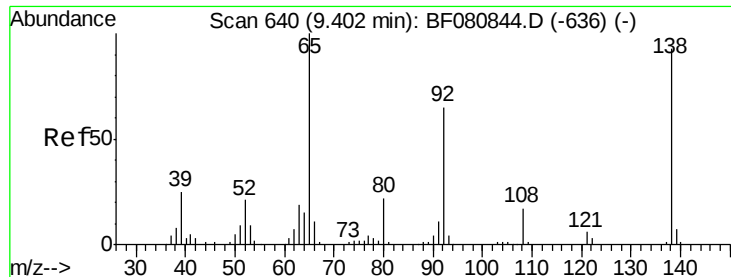
Lab File: BF080864.D

Acq: 5 Aug 2015 5:34



Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	38.9	31.9	47.9	
164	34.1	26.8	40.2	





#47

2-Nitroaniline

Concen: 42.39 ng

RT: 9.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: BF080864.D

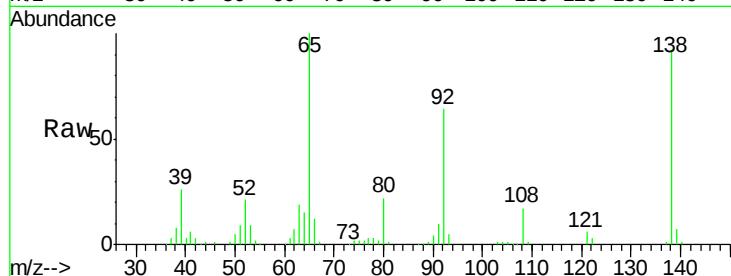
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS



Tgt Ion: 65 Resp: 113589

Ion Ratio Lower Upper

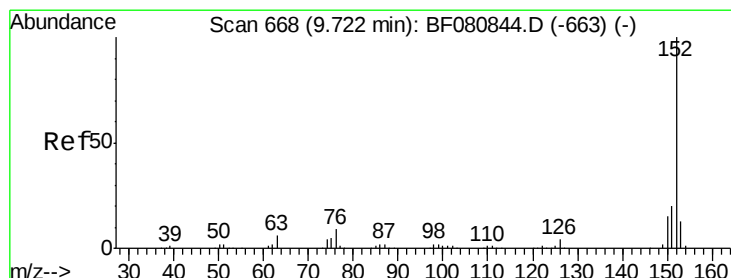
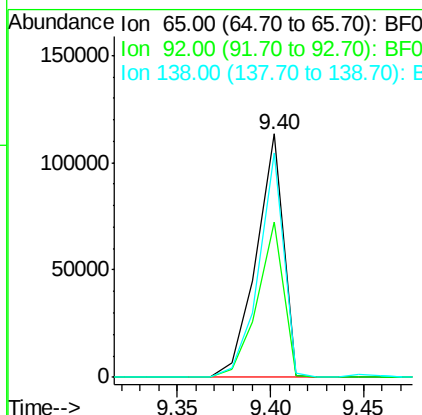
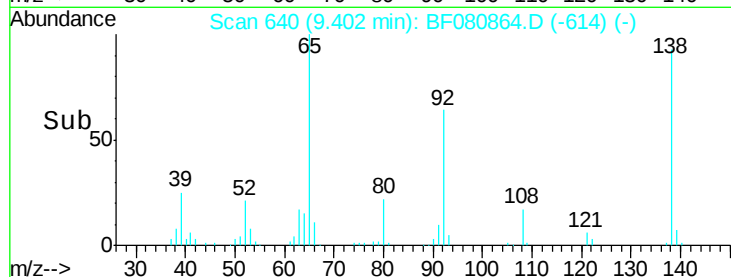
65 100

92 63.9 51.7 77.5

138 92.3 74.2 111.2

Manual Integrations
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8/5/2015 7:01:22 PM



#48

Acenaphthylene

Concen: 39.95 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

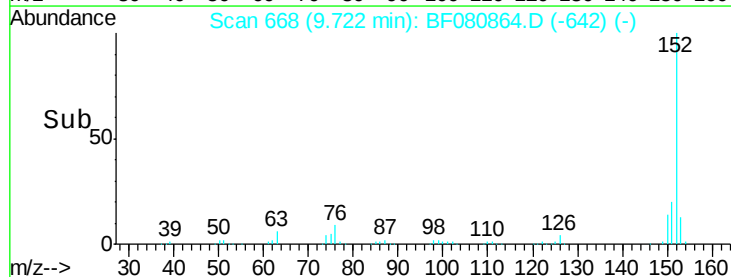
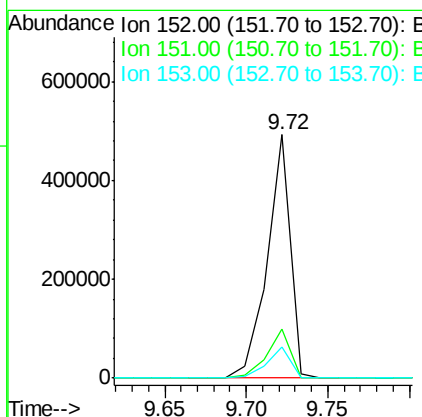
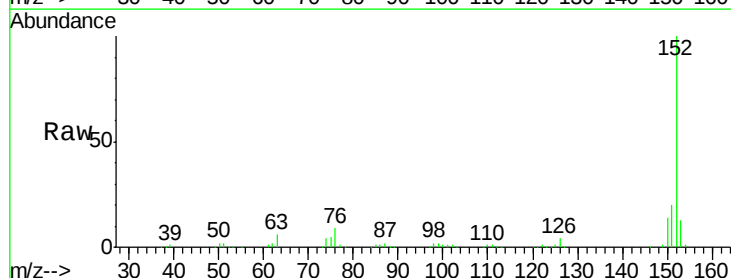
Tgt Ion: 152 Resp: 483864

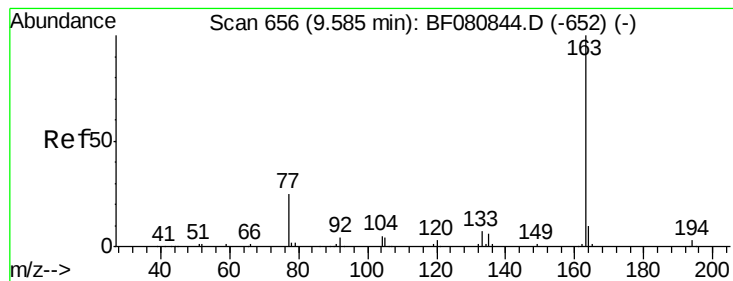
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 12.7 10.6 15.8





#49

Dimethylphthalate

Concen: 50.84 ng

RT: 9.58 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

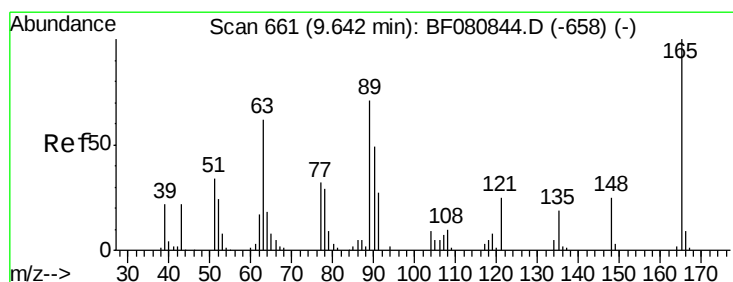
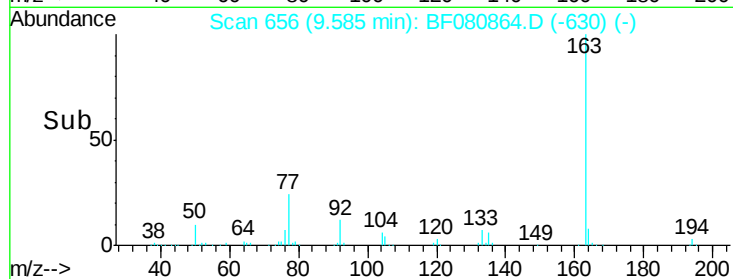
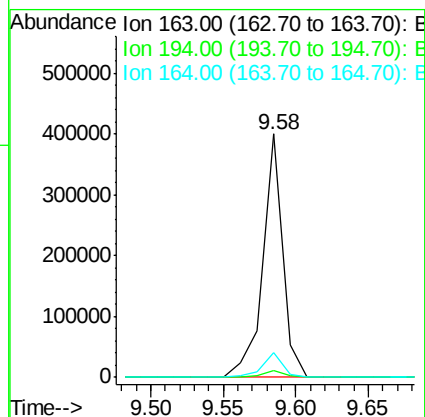
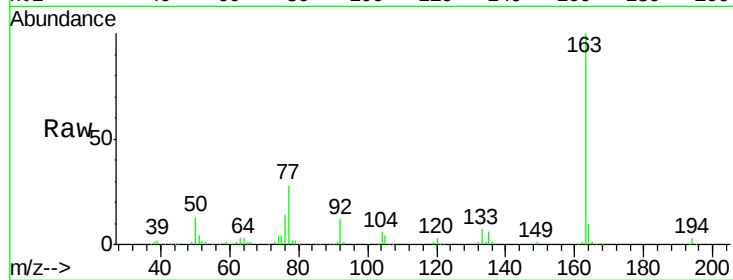
ClientSampleId :

TU021-SB-20-14MS

Tgt Ion:	163	Resp:	380714
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.3	8.2	12.4

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#50

2,6-Dinitrotoluene

Concen: 38.61 ng

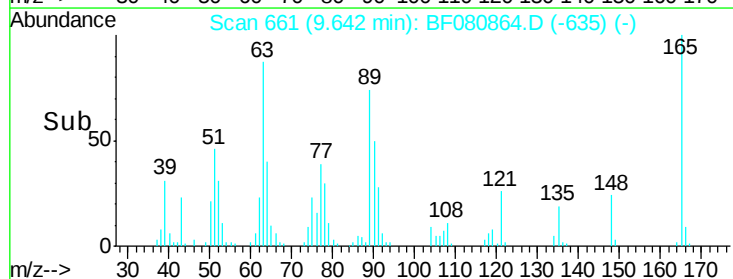
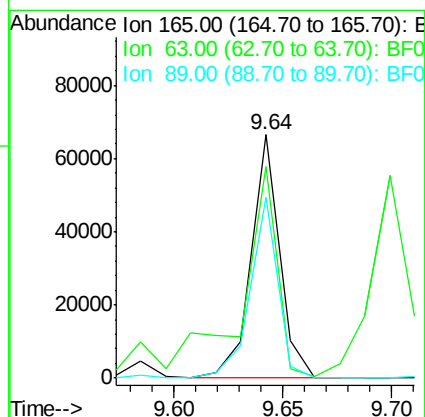
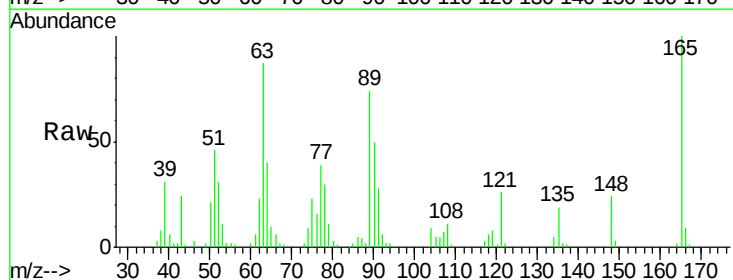
RT: 9.64 min Scan# 661

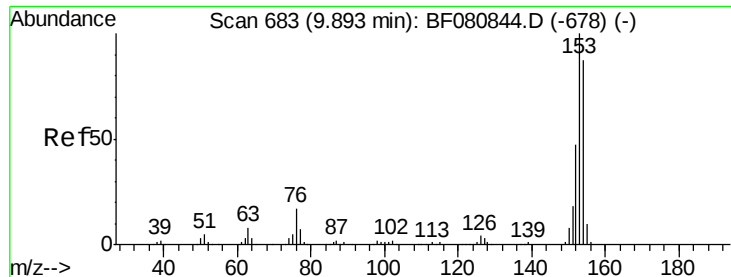
Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion:	165	Resp:	60469
Ion Ratio	Lower	Upper	
165	100		
63	86.7	65.0	97.6
89	74.3	56.6	85.0





#51

Acenaphthene

Concen: 43.21 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF080864.D

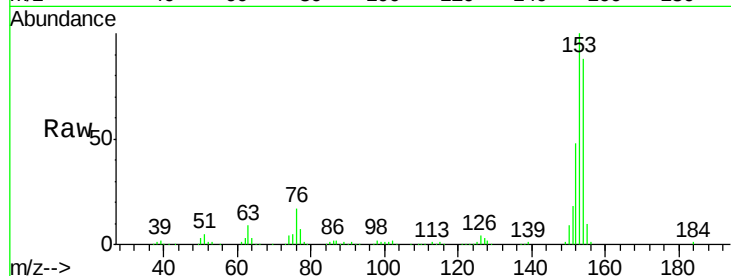
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS



Tgt Ion:154 Resp: 314655

Ion Ratio Lower Upper

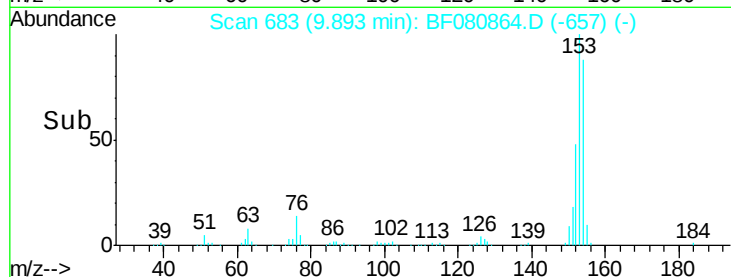
154 100

153 113.0 91.8 137.6

152 53.8 43.2 64.8

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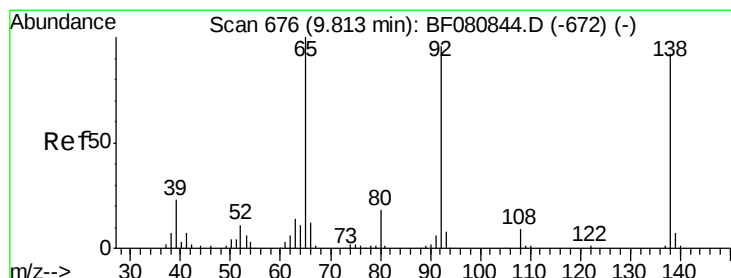
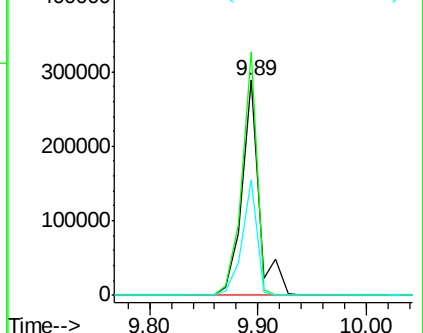
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.39 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

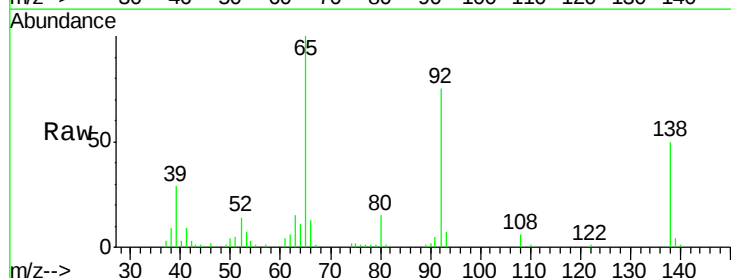
Tgt Ion:138 Resp: 43319

Ion Ratio Lower Upper

138 100

108 12.3 7.9 11.9#

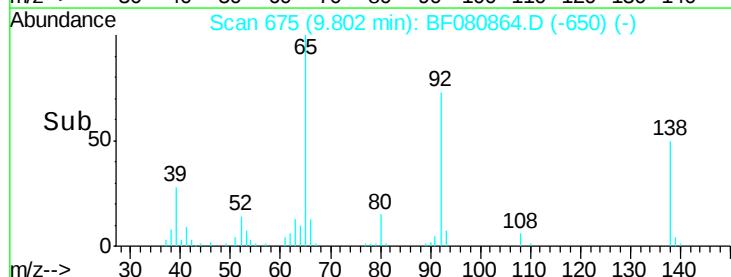
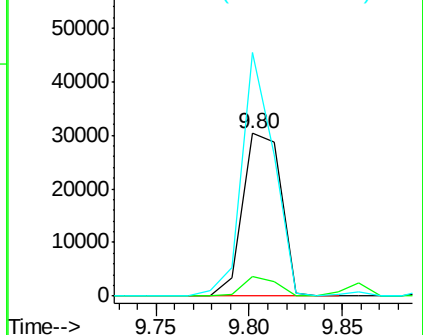
92 149.6 83.7 125.5#

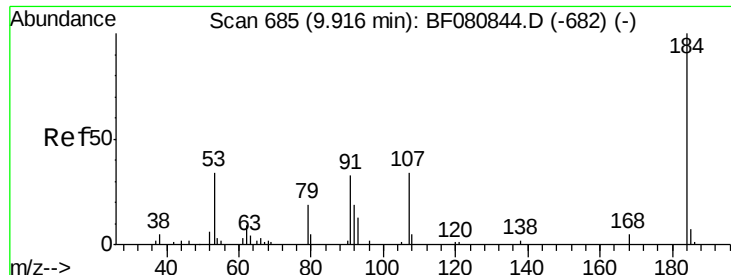


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

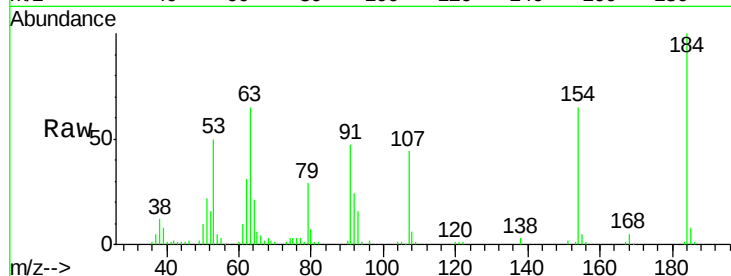
Ion 92.00 (91.70 to 92.70): BF0





#53
 2,4-Dinitrophenol
 Concen: 66.63 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

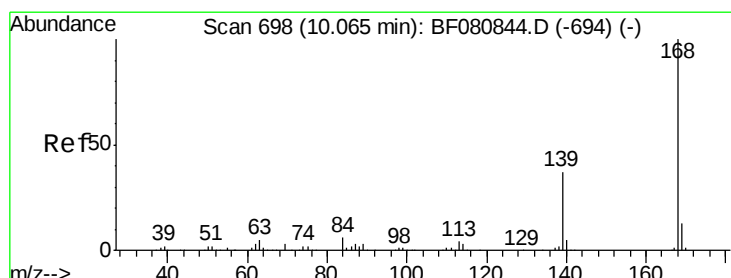
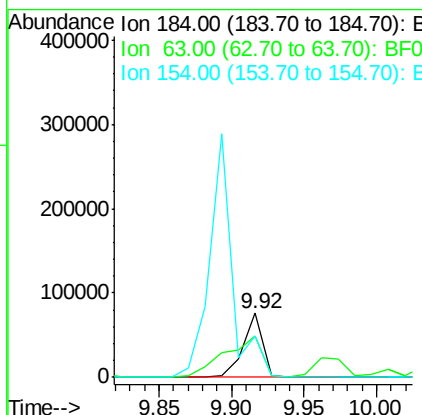
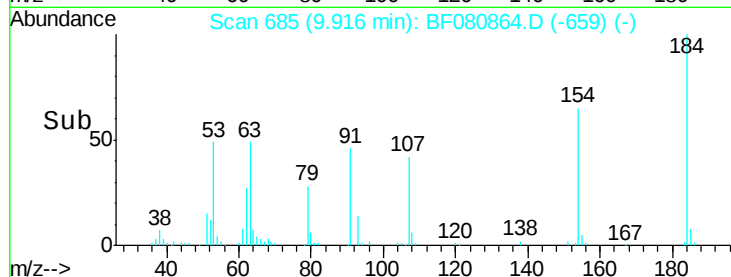
Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS



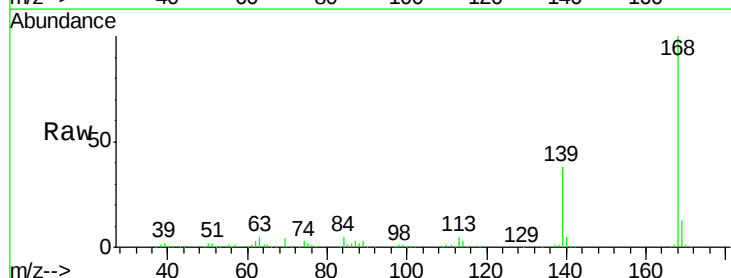
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	70806		
63	64.6	33.8	50.6	#
154	64.6	44.2	66.2	

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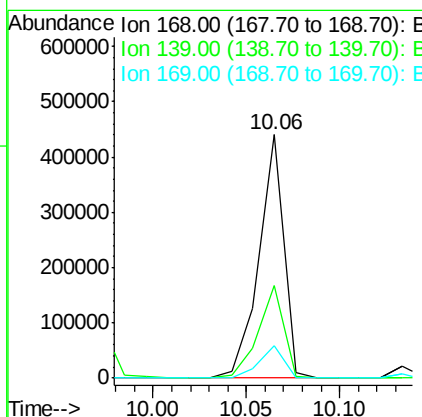
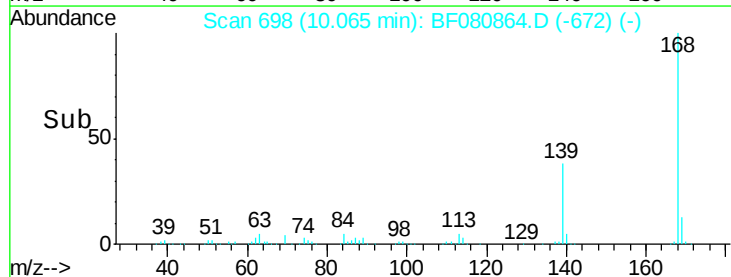
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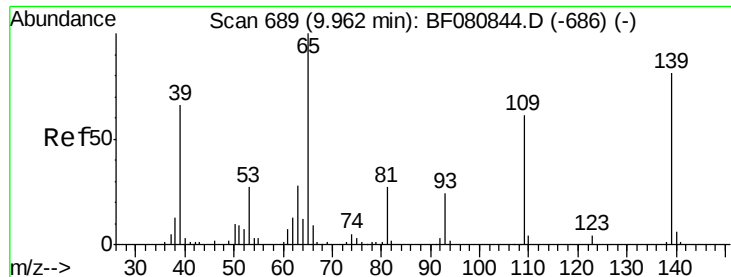


#54
 Dibenzofuran
 Concen: 41.46 ng
 RT: 10.06 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	402617		
139	38.2	30.0	45.0	
169	13.2	10.6	16.0	





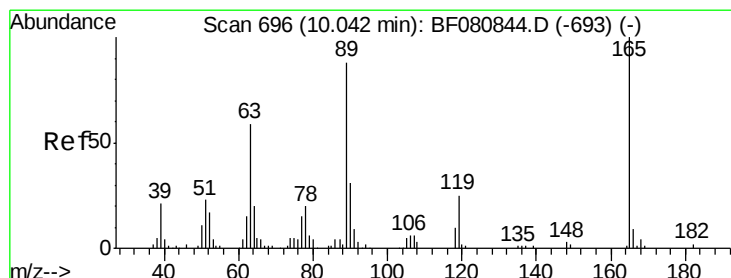
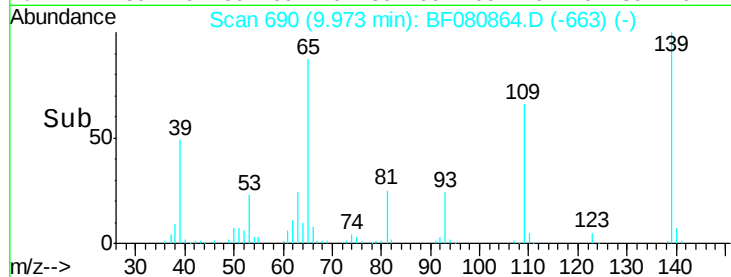
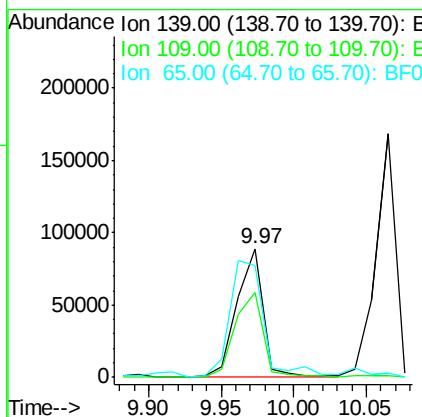
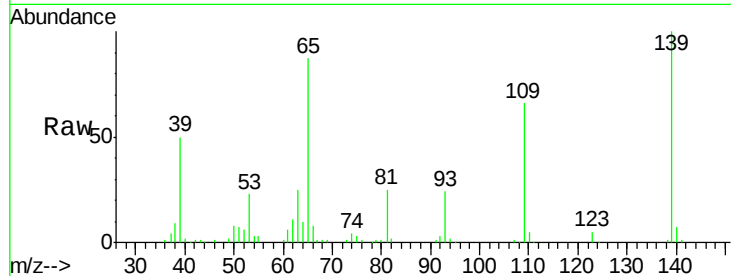
#55
4-Nitrophenol
Concen: 83.63 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.01 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	113812		
109	66.1	54.4	94.4	
65	87.2	103.0	143.0	

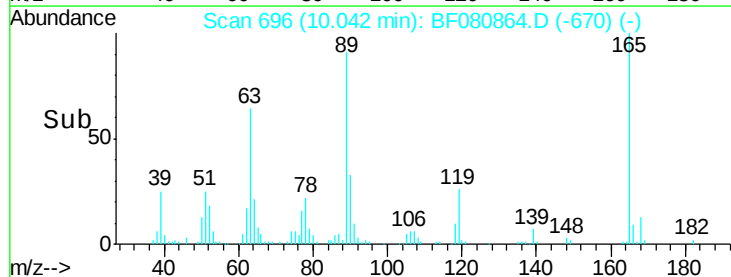
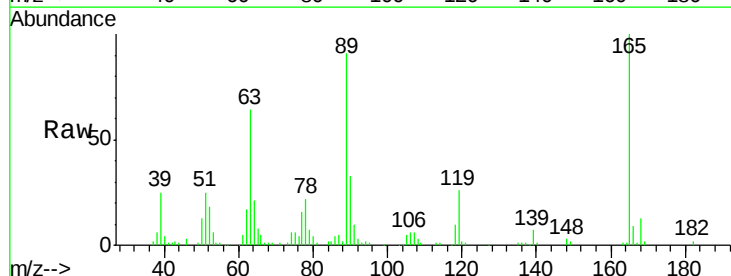
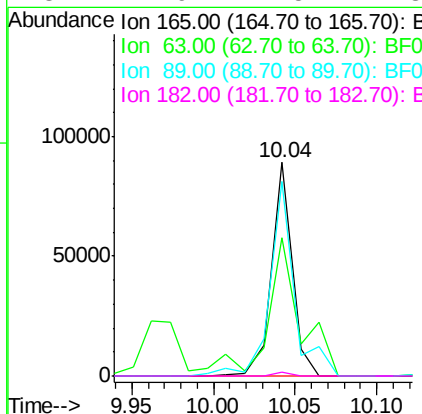
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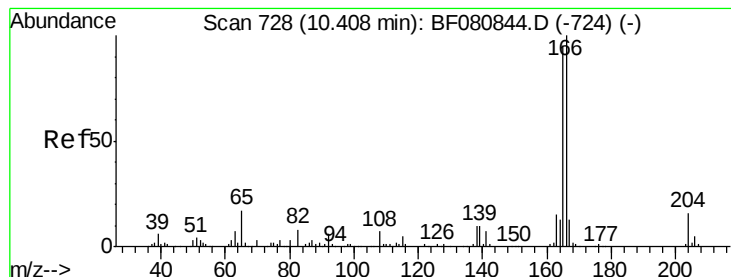
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8/5/2015 7:01:22 PM



#56
2,4-Dinitrotoluene
Concen: 40.00 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	79092		
63	64.4	47.2	70.8	
89	91.3	70.2	105.2	
182	1.9	1.5	2.3	





#57

Fluorene

Concen: 39.08 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF080864.D

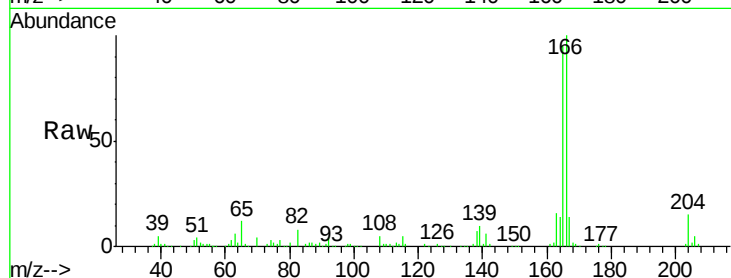
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

TU021-SB-20-14MS



Tgt Ion:166 Resp: 289814

Ion Ratio Lower Upper

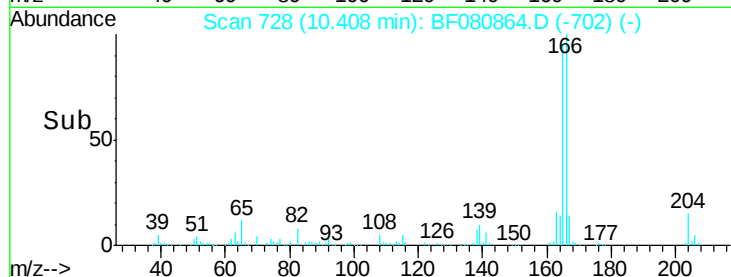
166 100

165 94.8 76.2 114.2

167 13.5 10.4 15.6

Manual Integrations
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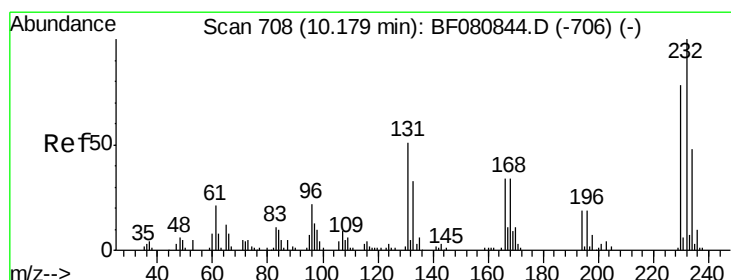
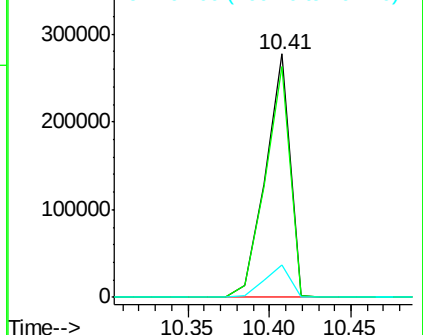
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 40.12 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion:232 Resp: 68570

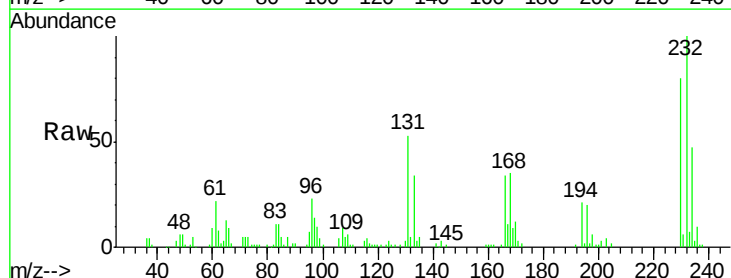
Ion Ratio Lower Upper

232 100

131 54.7 43.7 65.5

130 2.6 1.9 2.9

166 34.2 26.9 40.3

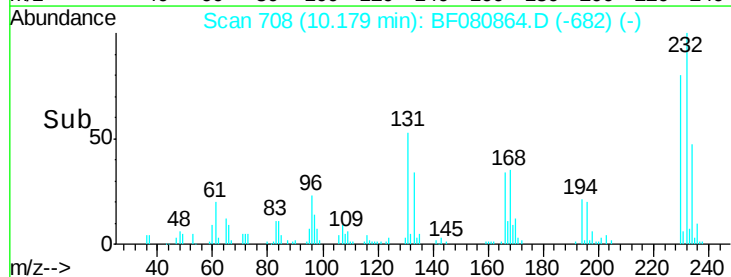
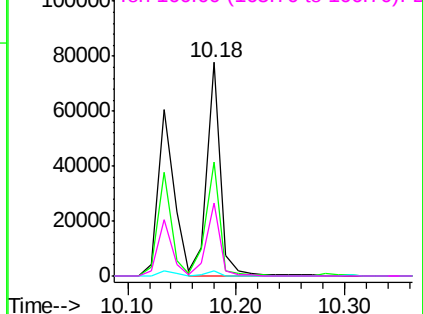


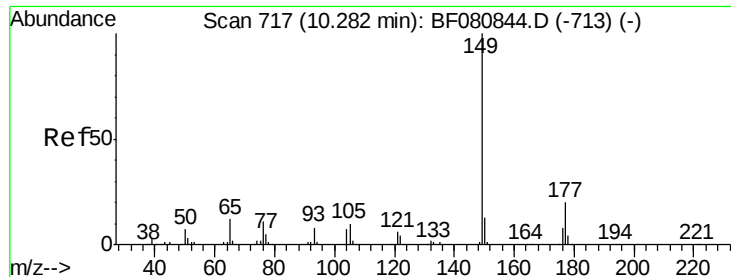
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





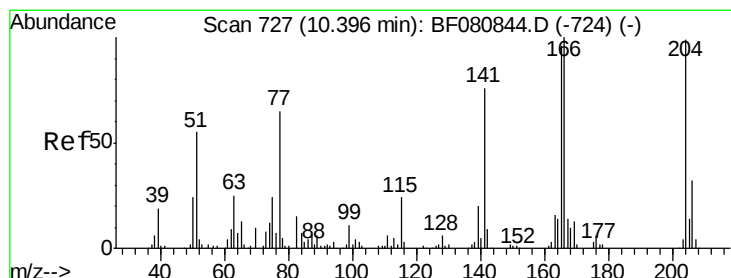
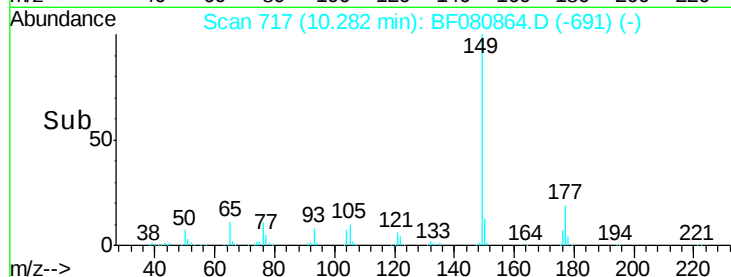
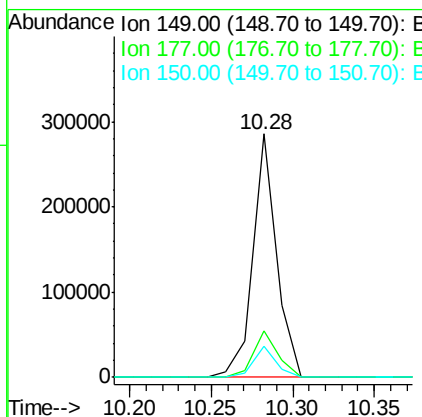
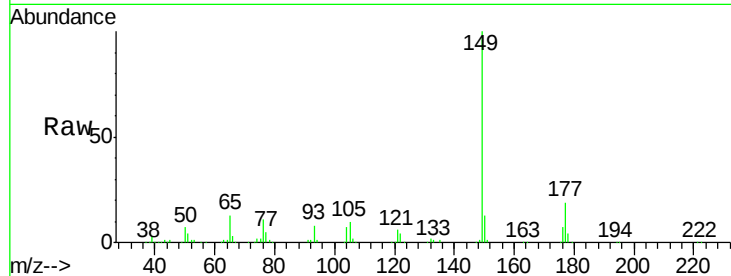
#59
Diethylphthalate
Concen: 38.81 ng
RT: 10.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	287742		
177	19.3	15.8	23.8	
150	12.6	10.2	15.2	

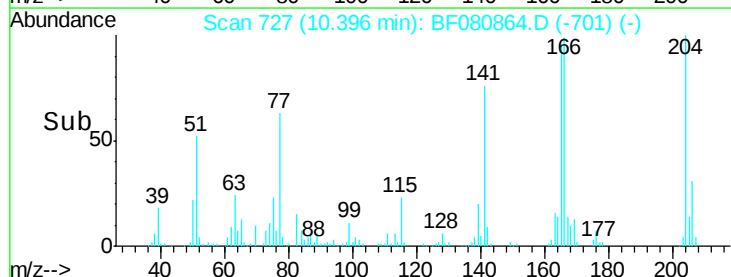
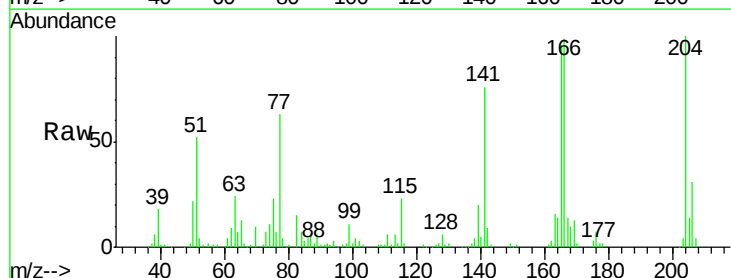
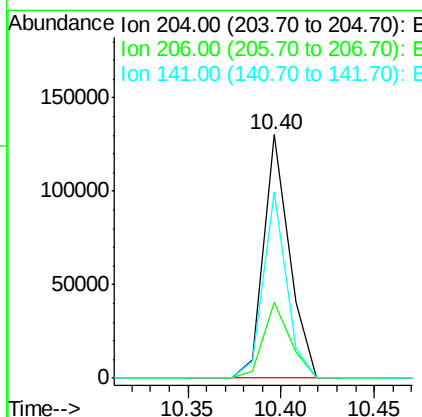
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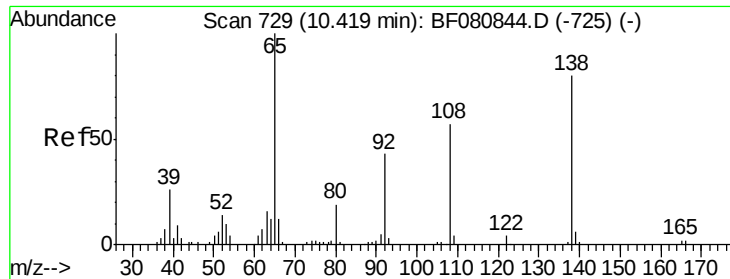
MMDadoda
8/5/2015 7:01:22 PM



#60
4-Chlorophenyl-phenylether
Concen: 40.95 ng
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	124550		
206	31.0	25.8	38.8	
141	76.4	61.4	92.2	





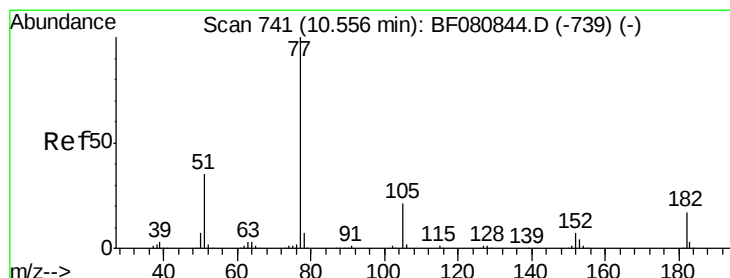
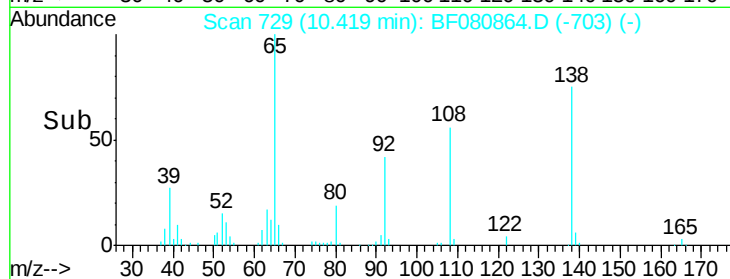
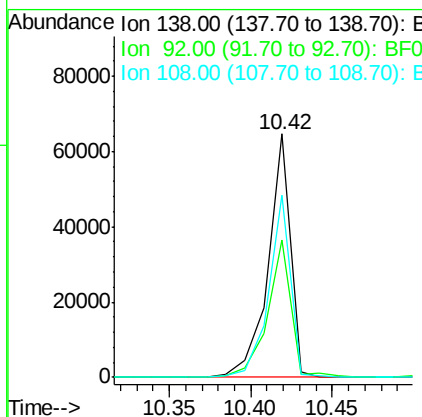
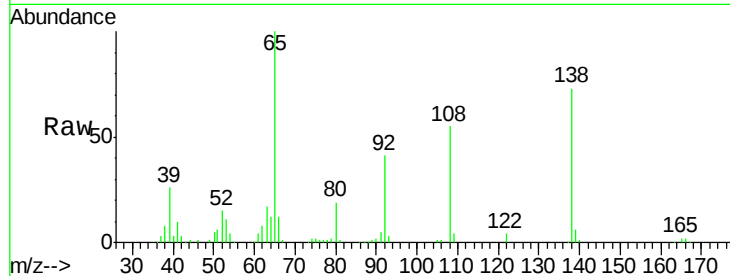
#61
4-Nitroaniline
Concen: 35.77 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.4	33.5	73.5
108	74.9	52.3	92.3

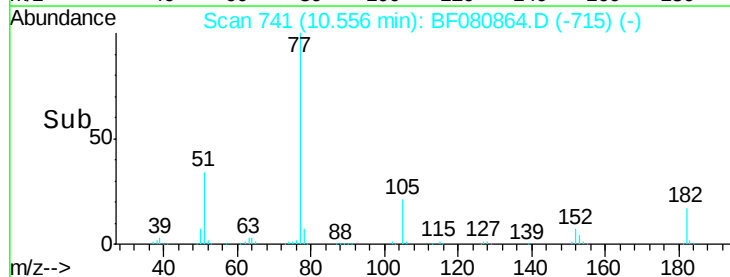
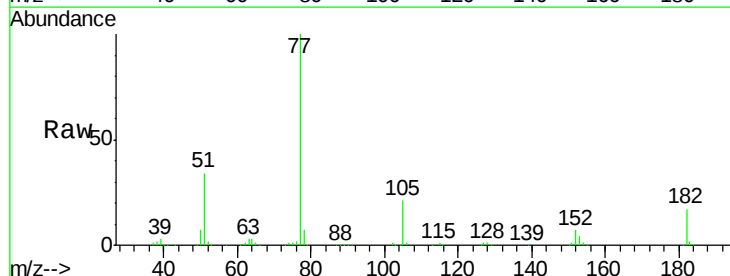
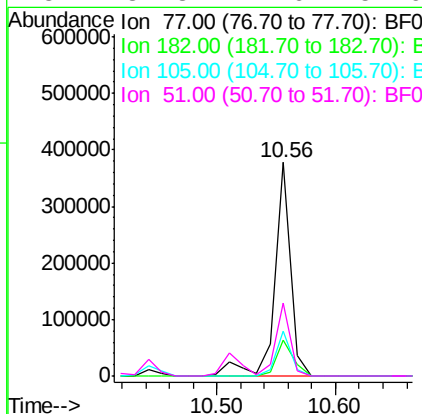
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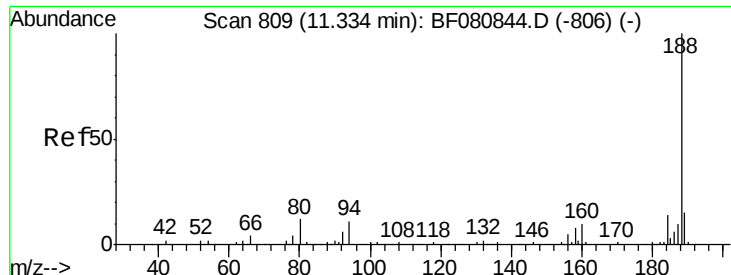
MMDadoda
8/5/2015 7:01:22 PM



#62
Azobenzene
Concen: 40.82 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	16.7	0.0	37.0
105	20.8	1.3	41.3
51	34.3	14.6	54.6





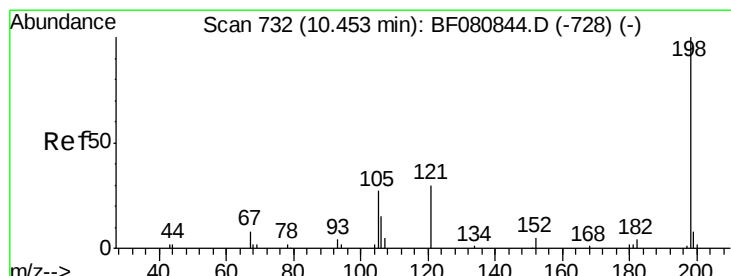
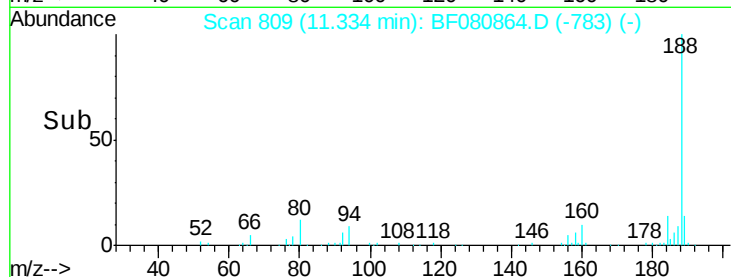
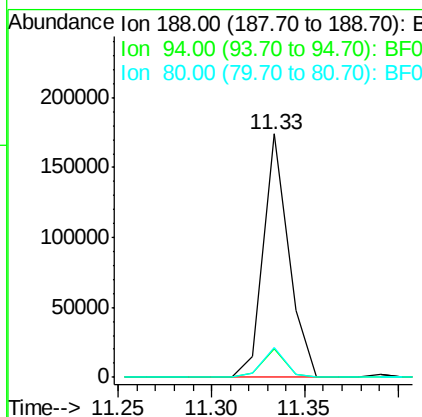
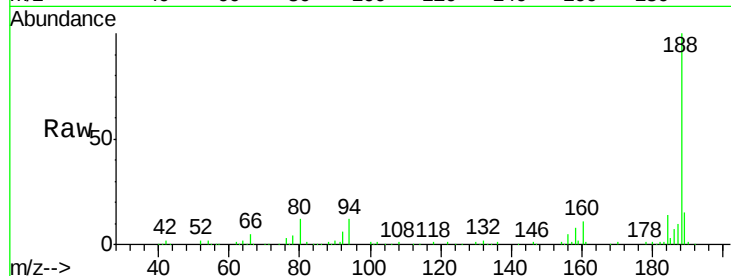
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	163378		
94	11.6	8.6	12.8	
80	12.5	9.3	13.9	

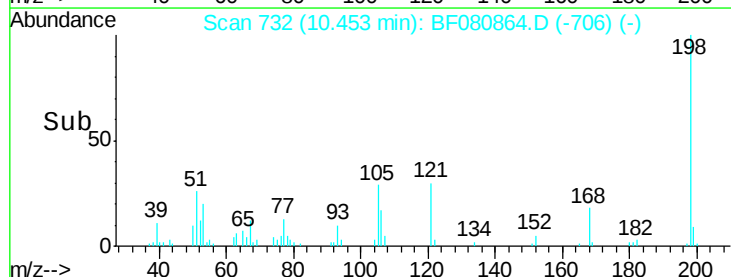
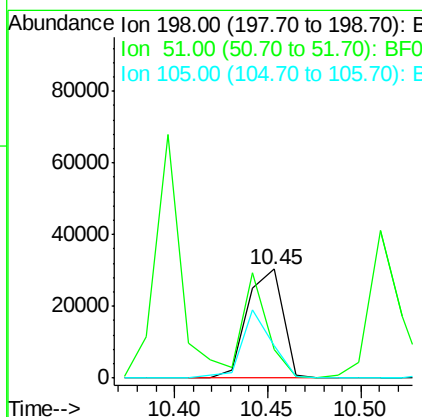
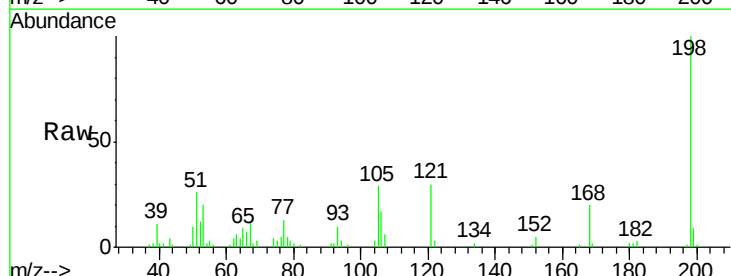
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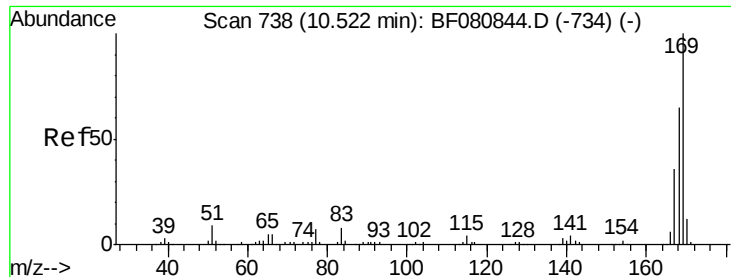
MMDadoda
8/5/2015 7:01:22 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 38.06 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	40001		
51	25.9	4.7	44.7	
105	29.5	8.5	48.5	





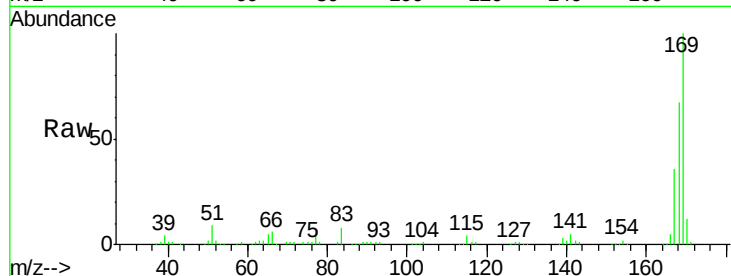
#65
 n-Nitrosodiphenylamine
 Concen: 37.55 ng
 RT: 10.52 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

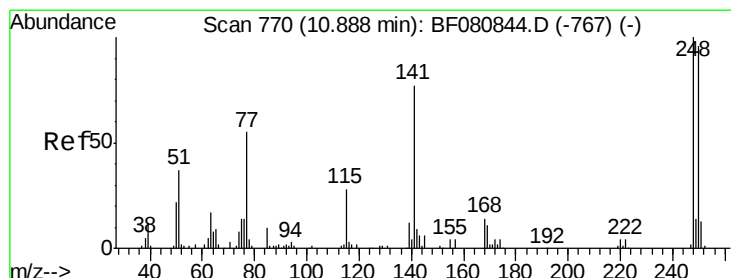
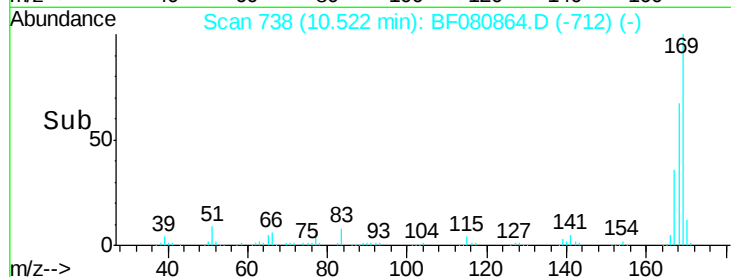
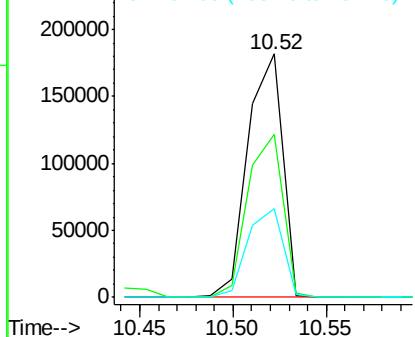
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	235027		
168	67.0	52.2	78.4	
167	36.4	29.2	43.8	

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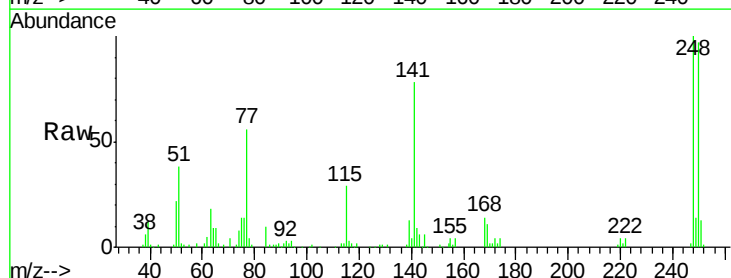


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

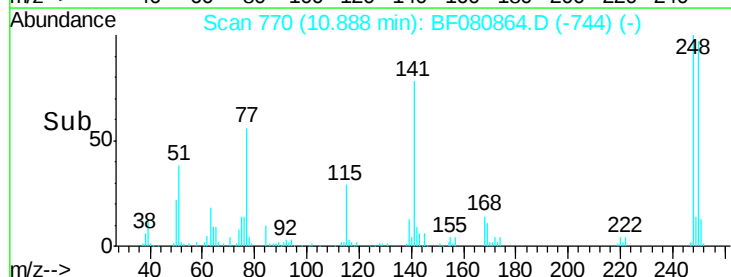
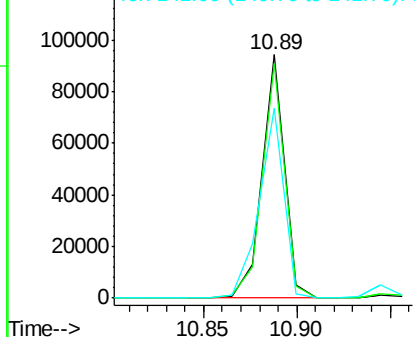


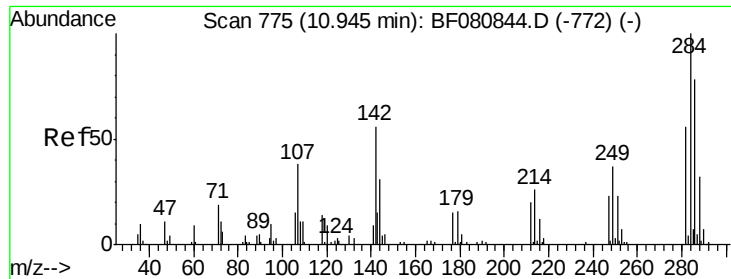
#66
 4-Bromophenyl-phenylether
 Concen: 42.97 ng
 RT: 10.89 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	77690		
250	96.6	77.2	115.8	
141	78.1	61.4	92.0	



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





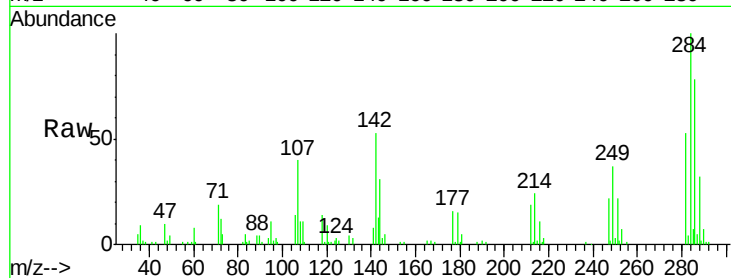
#67
Hexachlorobenzene
Concen: 38.99 ng
RT: 10.94 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

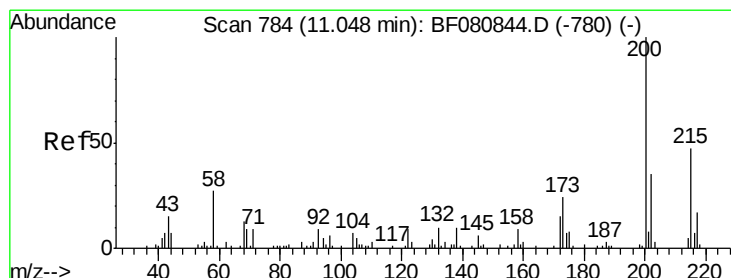
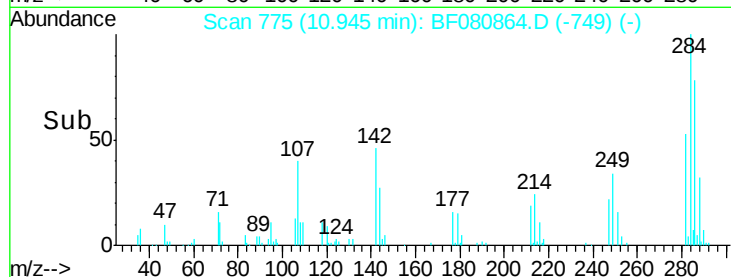
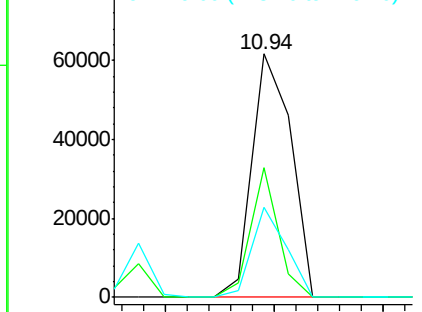
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	53.1	44.4	66.6
249	37.1	29.3	43.9

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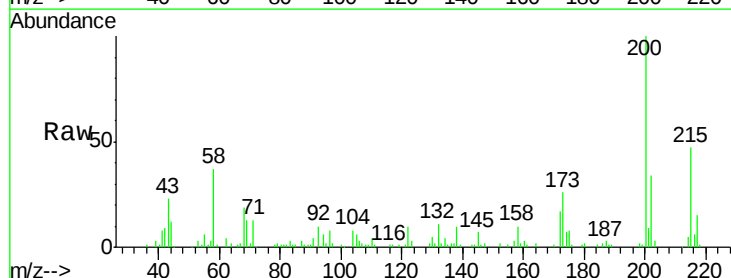


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

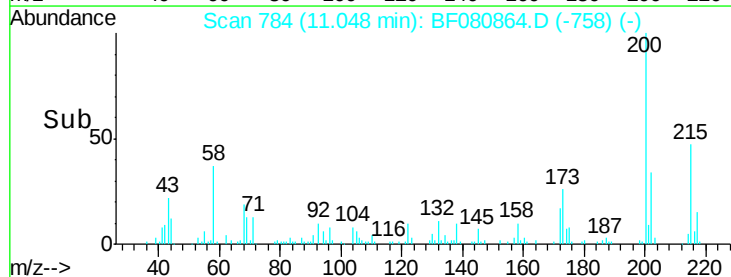
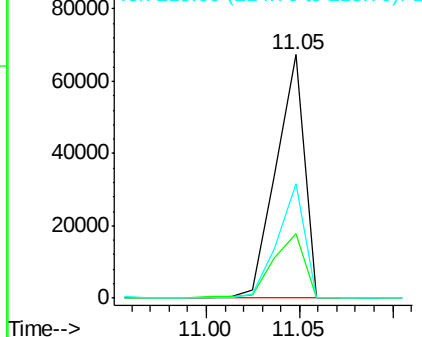


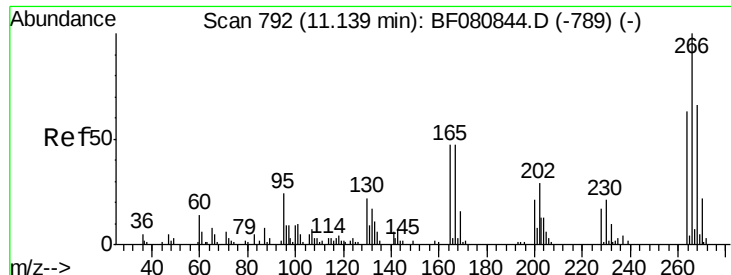
#68
Atrazine
Concen: 43.55 ng
RT: 11.05 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.3	4.8	44.8
215	47.0	27.1	67.1



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





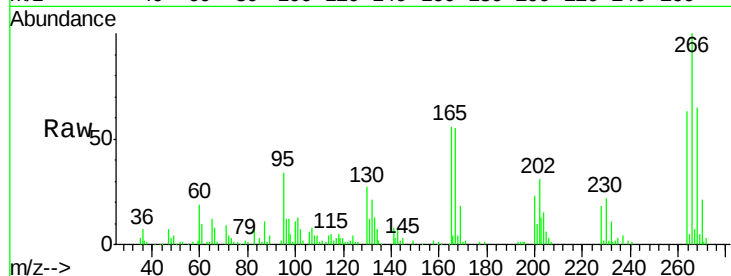
#69
 Pentachlorophenol
 Concen: 75.21 ng
 RT: 11.14 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

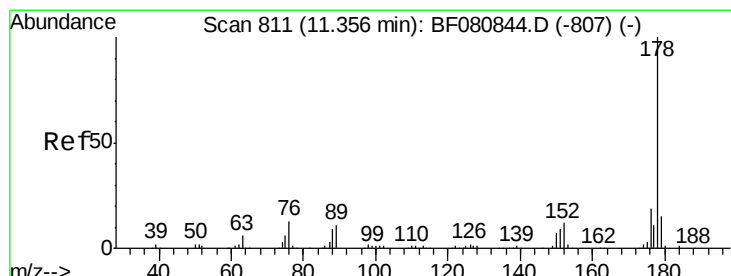
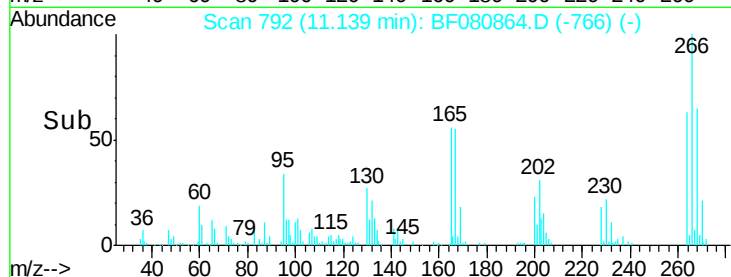
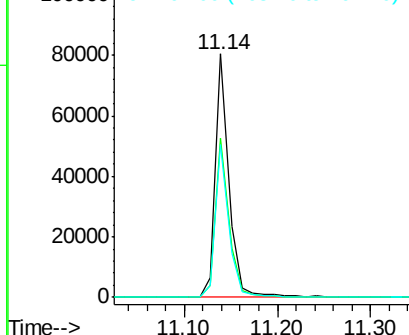
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	80936		
268	65.3	52.6	78.8	
264	62.9	50.7	76.1	

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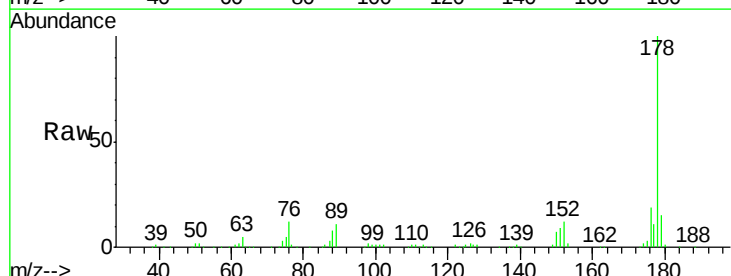


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

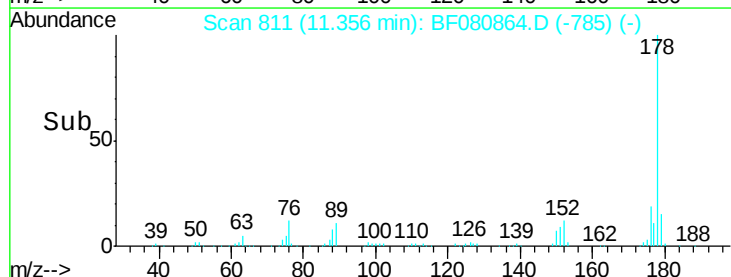
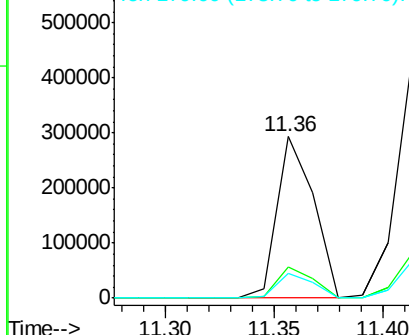


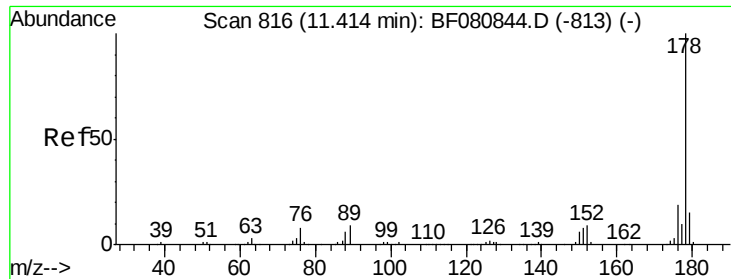
#70
 Phenanthrene
 Concen: 36.55 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	345032		
176	19.0	15.3	22.9	
179	15.5	12.3	18.5	



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





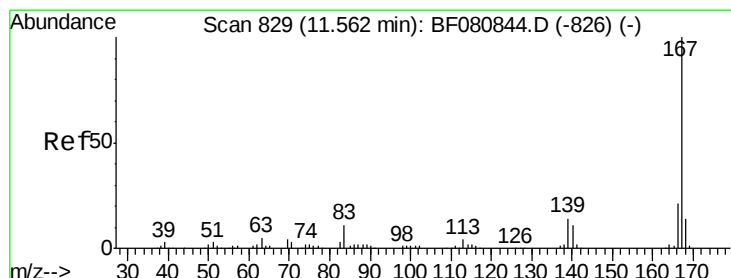
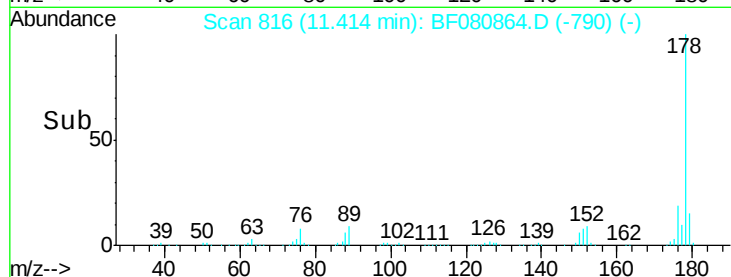
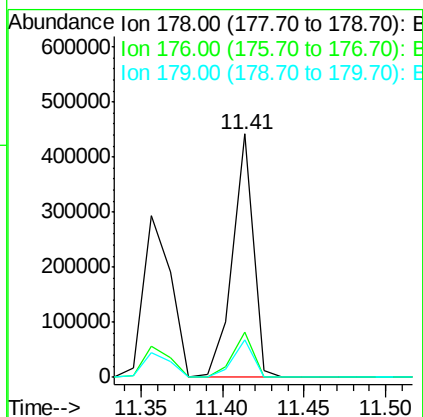
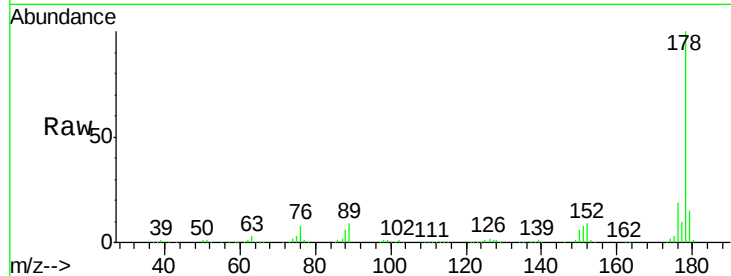
#71
 Anthracene
 Concen: 41.84 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	383721		
176	18.8	15.4	23.2	
179	15.3	12.2	18.4	

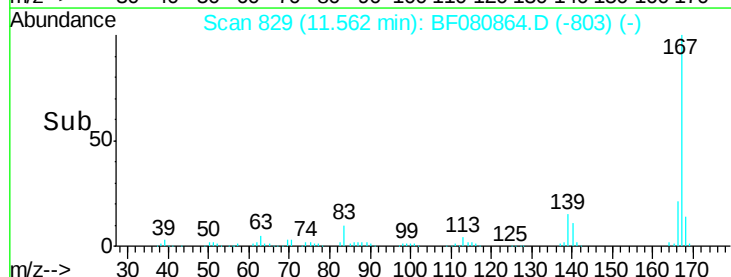
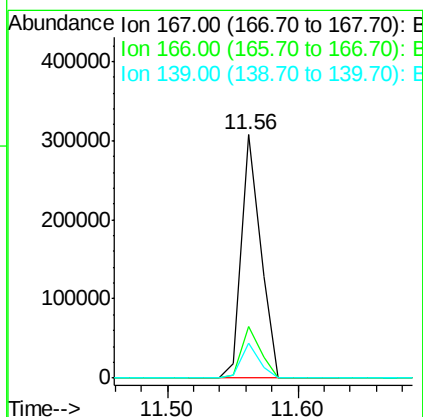
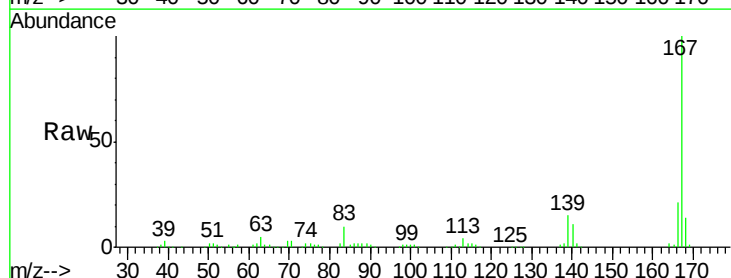
Manual Integrations
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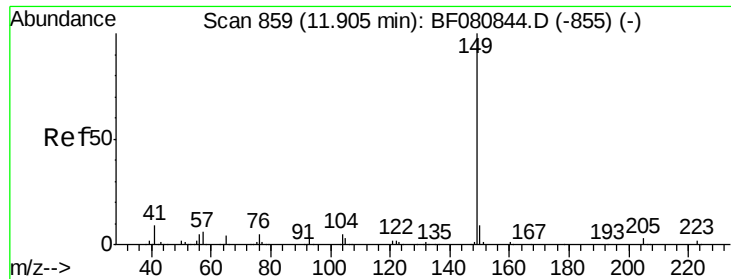
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#72
 Carbazole
 Concen: 36.24 ng
 RT: 11.56 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	313533		
166	21.2	16.6	25.0	
139	14.5	11.3	16.9	





#73

Di-n-butylphthalate

Concen: 43.38 ng

RT: 11.90 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF080864.D

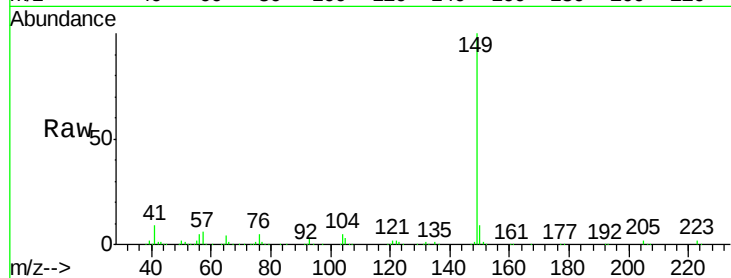
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

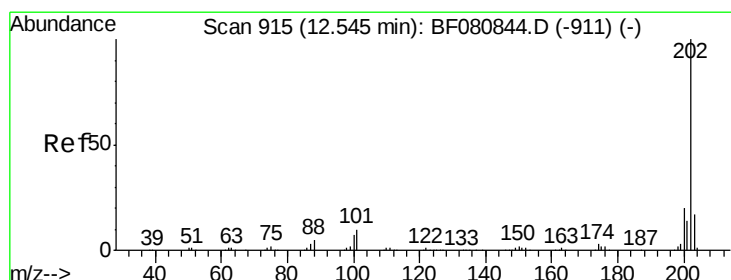
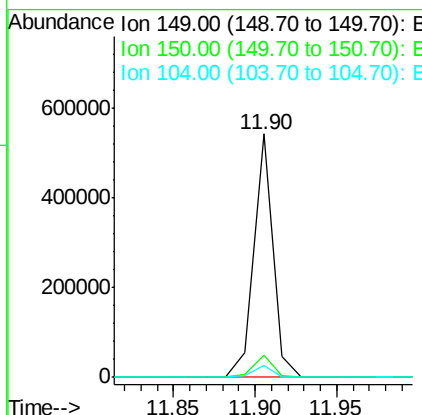
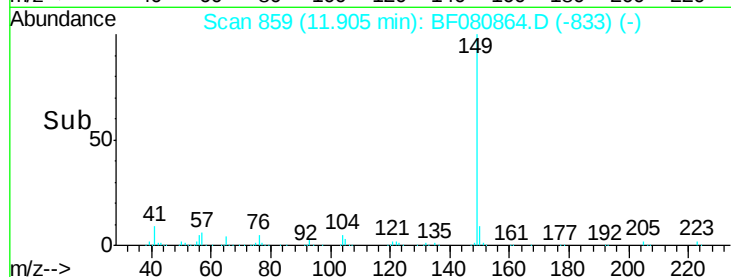
TU021-SB-20-14MS



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	444435		
150	9.0	7.4	11.2	
104	4.8	3.9	5.9	

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#74

Fluoranthene

Concen: 38.68 ng

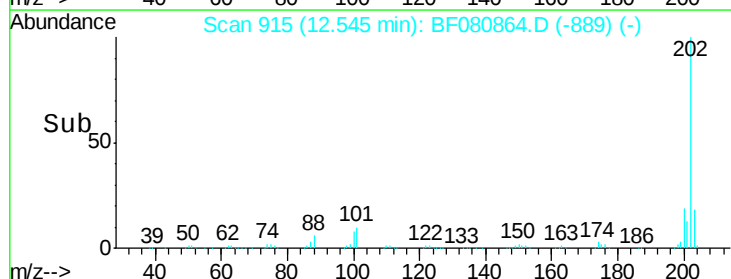
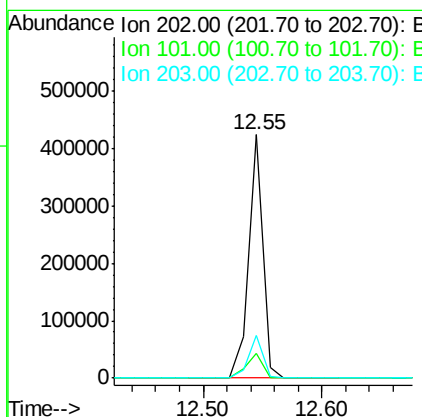
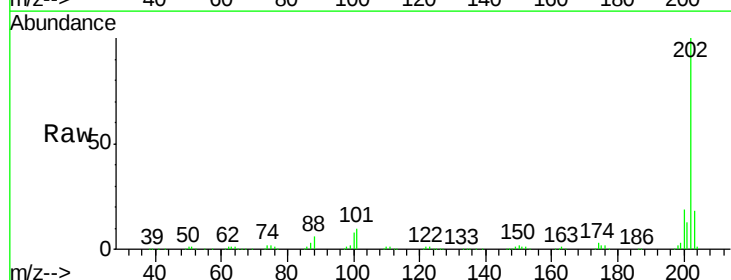
RT: 12.55 min Scan# 915

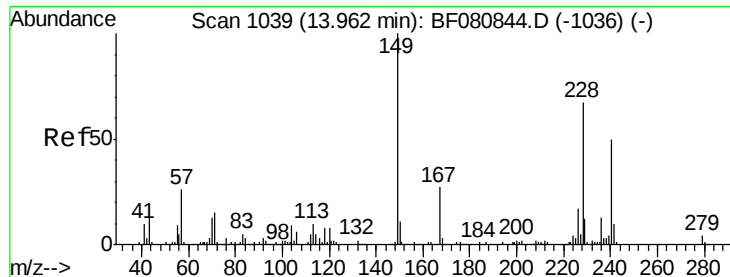
Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	355649		
101	10.2	0.0	29.9	
203	17.6	0.0	37.4	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080864.D

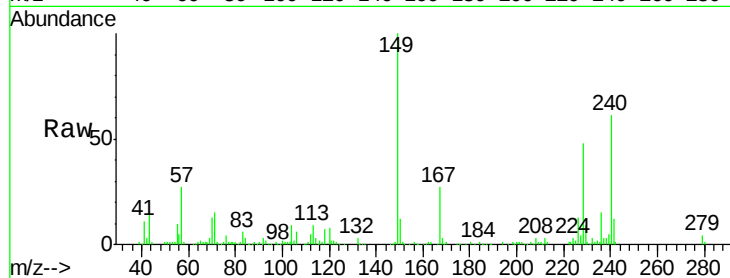
Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

ClientSampleId :

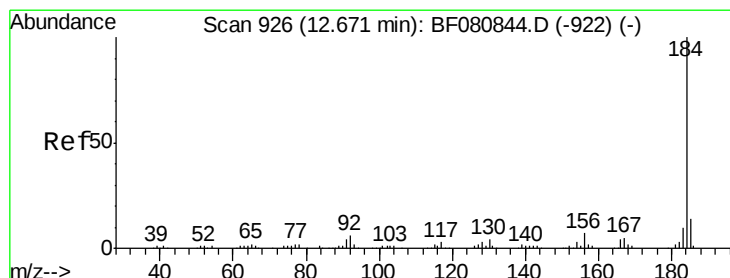
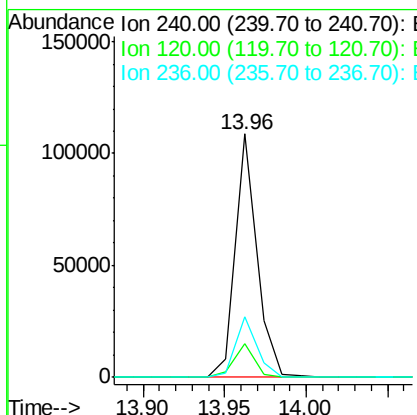
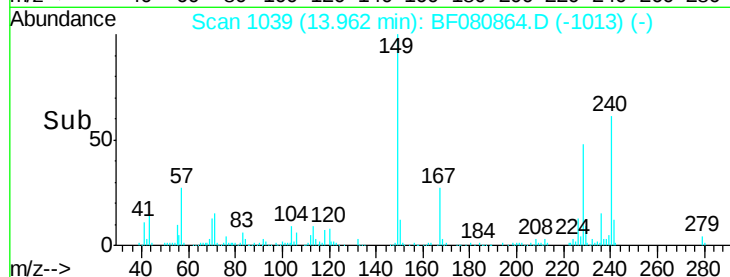
TU021-SB-20-14MS



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	98433		
120	13.9	13.0	19.6	
236	24.9	20.7	31.1	

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#76

Benzidine

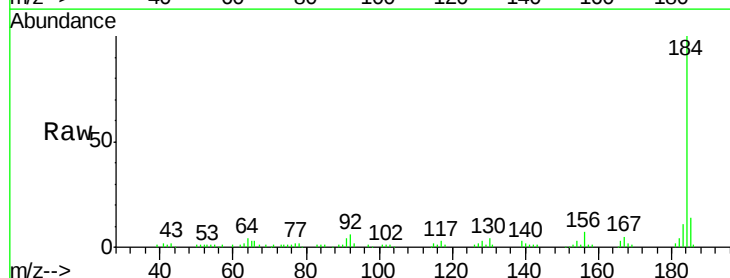
Concen: 18.50 ng

RT: 12.67 min Scan# 926

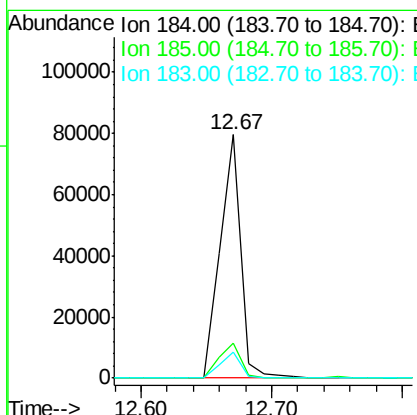
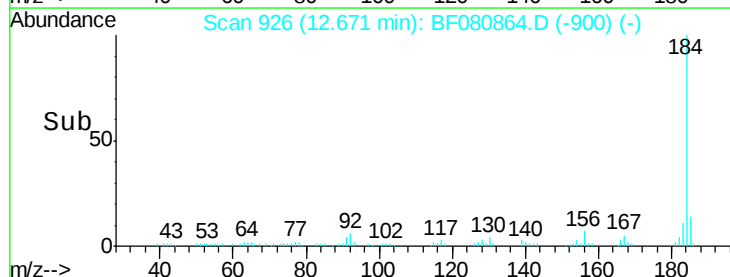
Delta R.T. 0.00 min

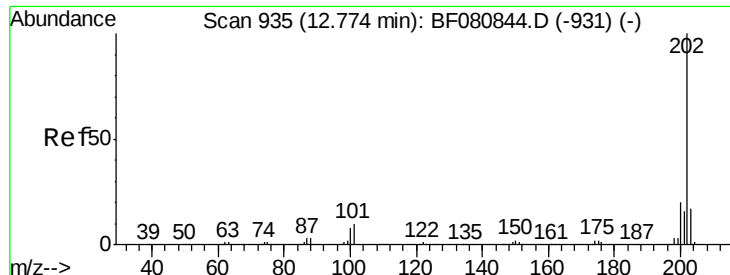
Lab File: BF080864.D

Acq: 5 Aug 2015 5:34



Tgt Ion	Ratio	Resp	Lower	Upper
184	100	88129		
185	14.3	11.4	17.2	
183	10.9	8.4	12.6	





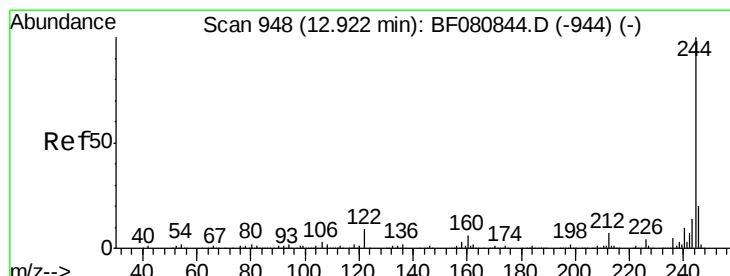
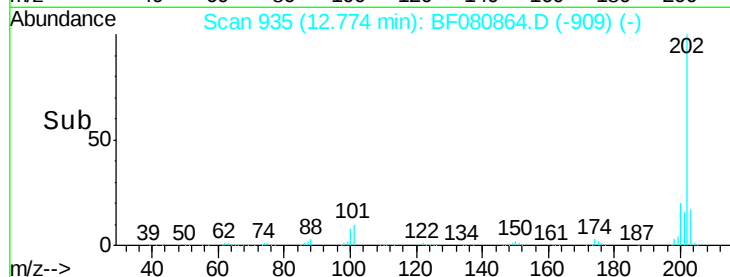
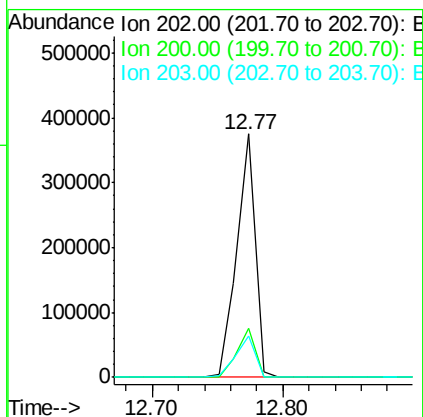
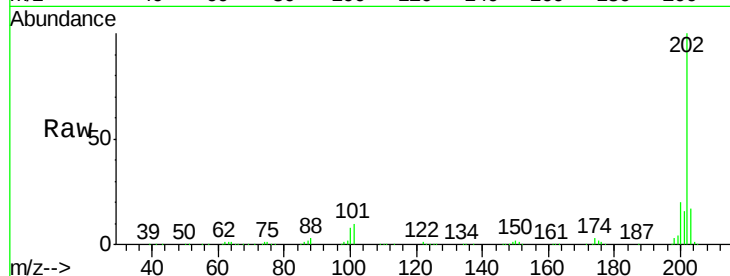
#77
 Pyrene
 Concen: 41.43 ng
 RT: 12.77 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	16.1	24.1
203	17.2	13.6	20.4

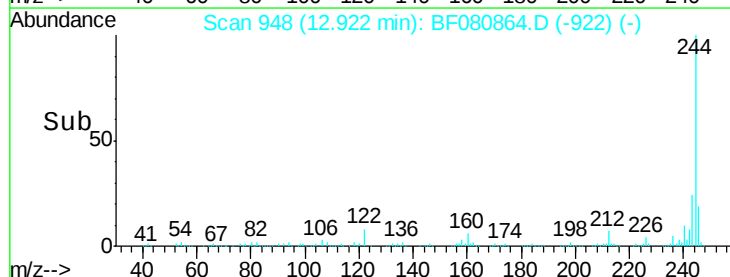
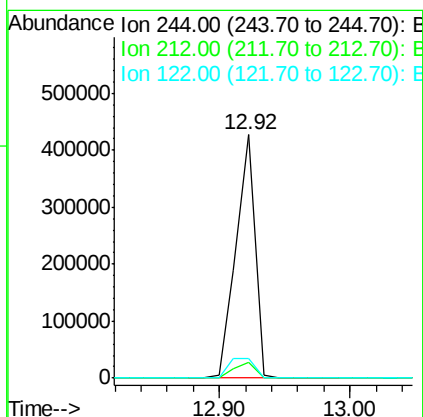
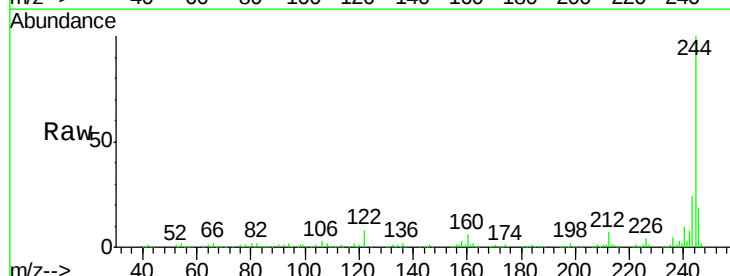
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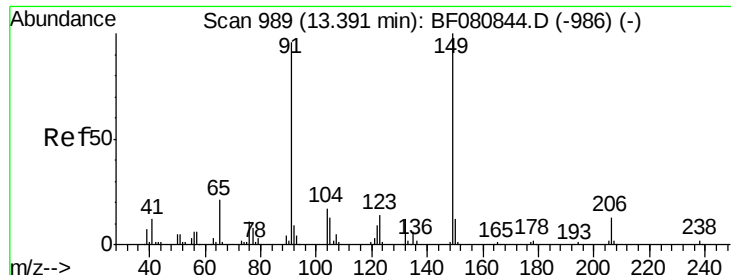
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 8/5/2015 7:01:22 PM



#78
 Terphenyl-d14
 Concen: 79.19 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	5.5	8.3
122	8.1	7.1	10.7





#79

Butylbenzylphthalate

Concen: 40.90 ng

RT: 13.39 min Scan# 989

Delta R.T. -0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

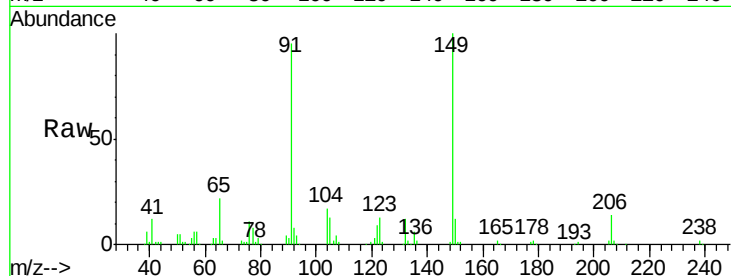
ClientSampleId :

TU021-SB-20-14MS

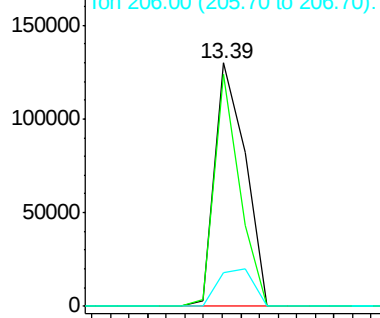
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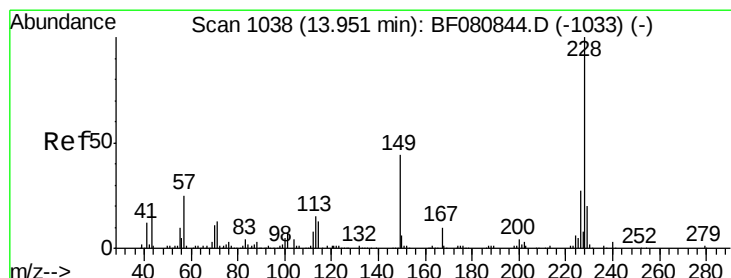
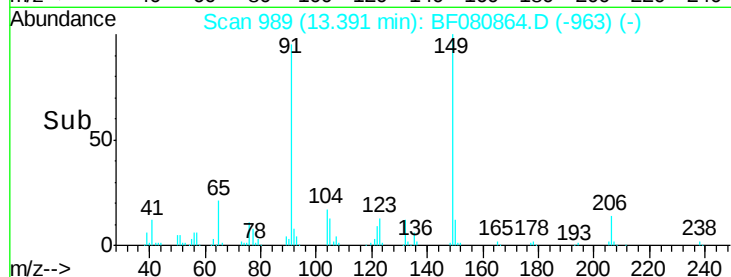
Tgt Ion:	149	Resp:	147710
Ion Ratio	Lower	Upper	
149	100		
91	95.2	76.4	114.6
206	13.6	10.7	16.1



Abundance Ion 149.00 (148.70 to 149.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 37.85 ng

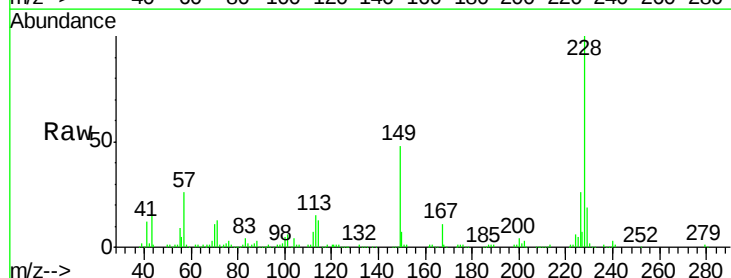
RT: 13.95 min Scan# 1038

Delta R.T. 0.00 min

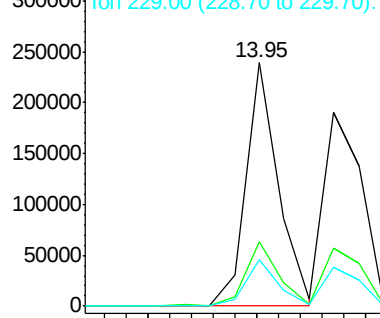
Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

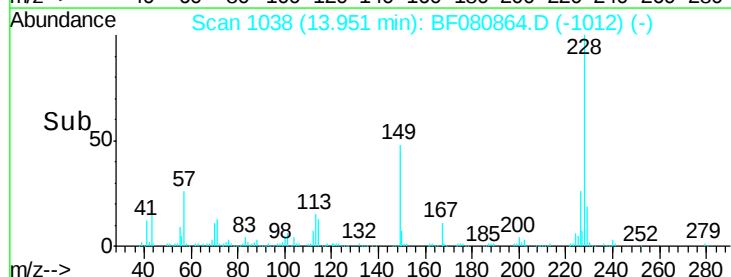
Tgt Ion:	228	Resp:	249227
Ion Ratio	Lower	Upper	
228	100		
226	26.5	21.5	32.3
229	19.3	16.2	24.2

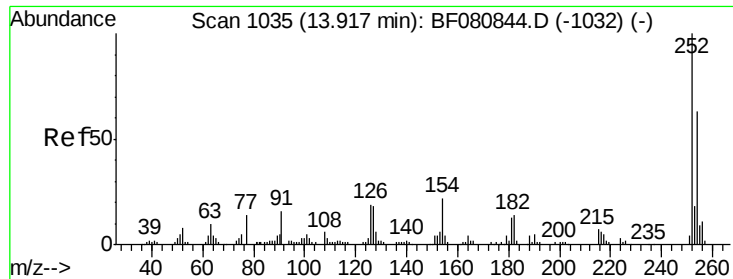


Abundance Ion 228.00 (227.70 to 228.70): E



Time-->





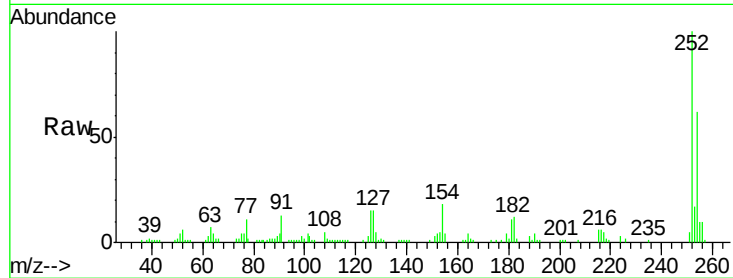
#81
 3,3'-Dichlorobenzidine
 Concen: 25.70 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

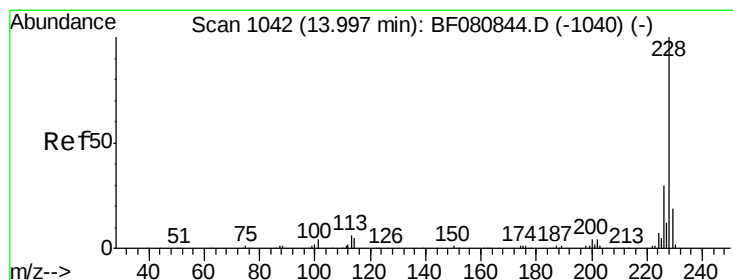
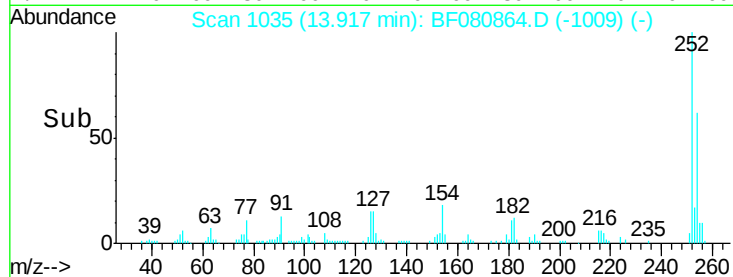
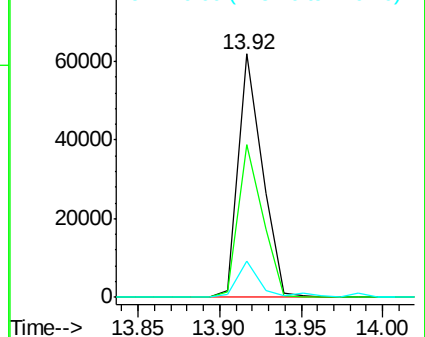
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	62.5	50.3	75.5
126	15.0	15.1	22.7#

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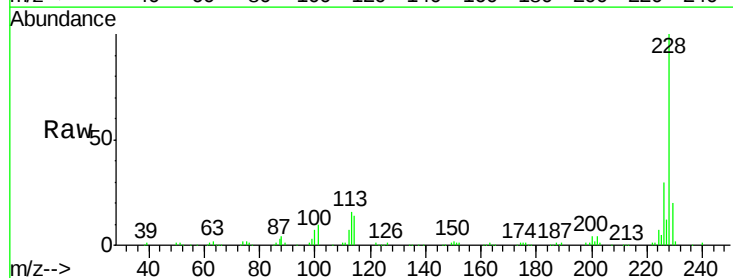


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

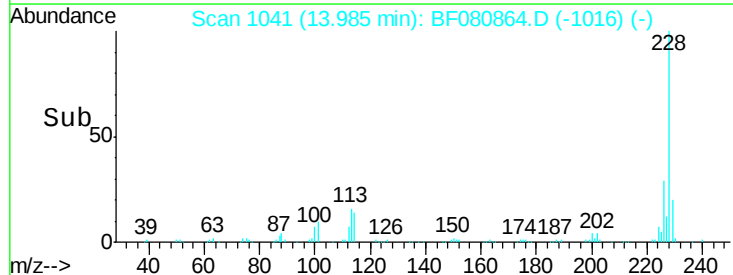
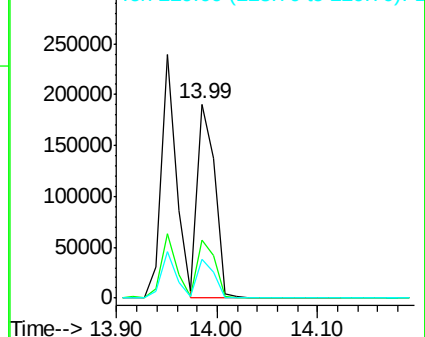


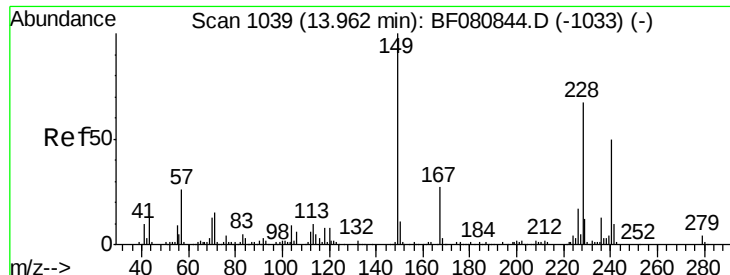
#82
 Chrysene
 Concen: 34.42 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.6	23.6	35.4
229	20.0	15.1	22.7



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





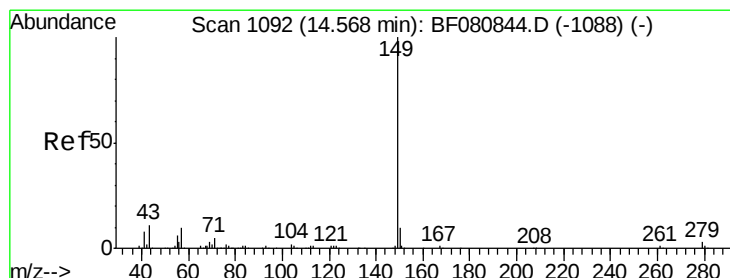
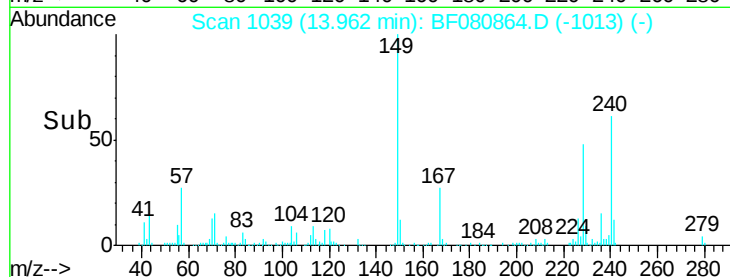
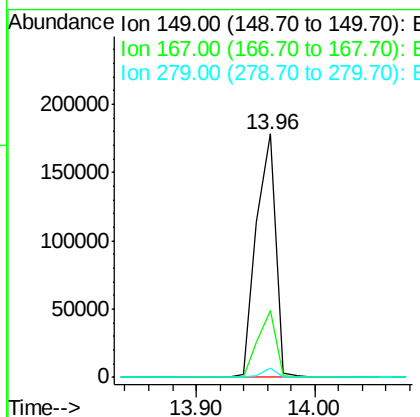
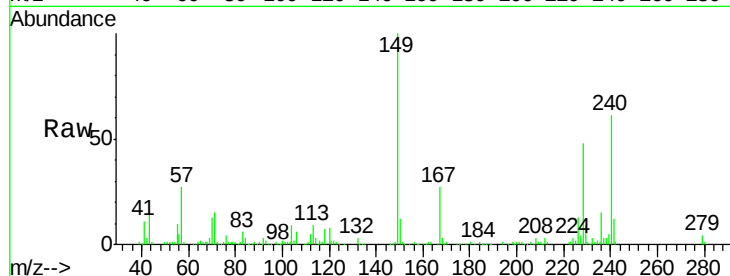
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.59 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	205381		
167	27.3	21.8	32.8	
279	3.9	3.0	4.4	

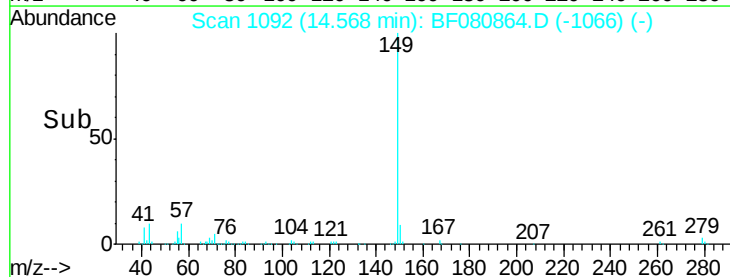
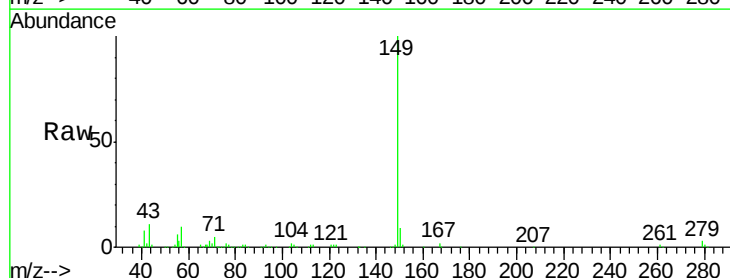
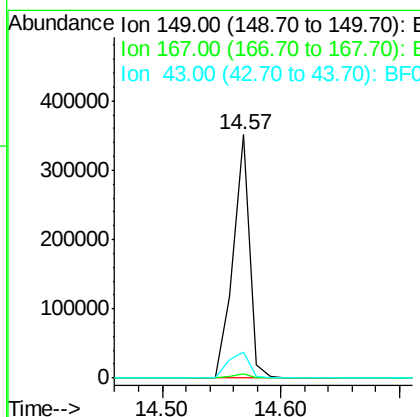
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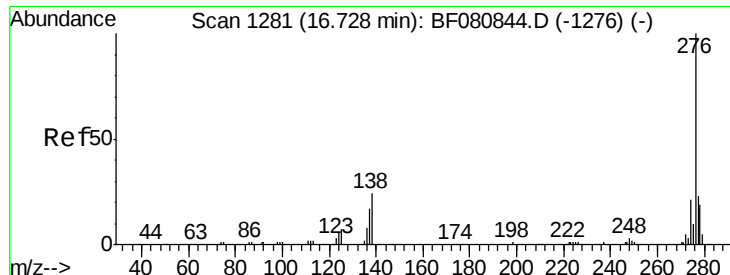
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#84
 Di-n-octyl phthalate
 Concen: 41.58 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	337011		
167	1.6	1.1	1.7	
43	14.0	10.3	15.5	





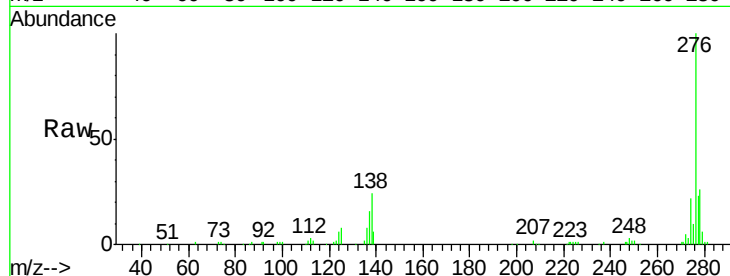
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.57 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

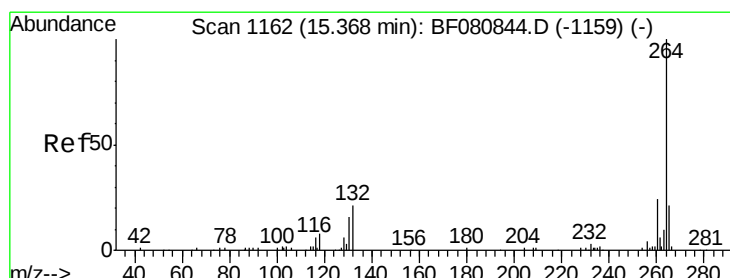
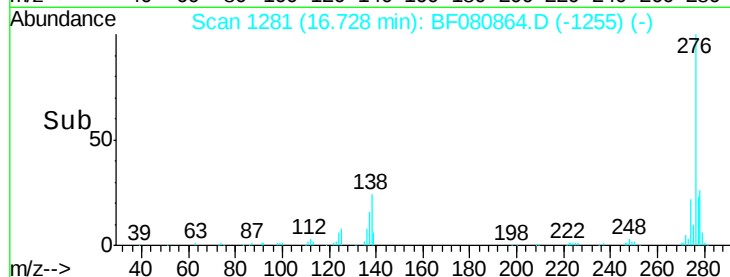
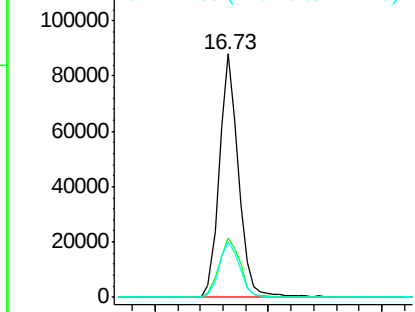
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	206969		
138	26.6		21.6	32.4
277	24.2		19.6	29.4

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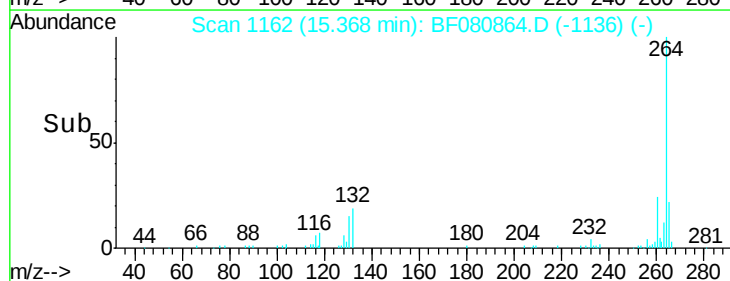
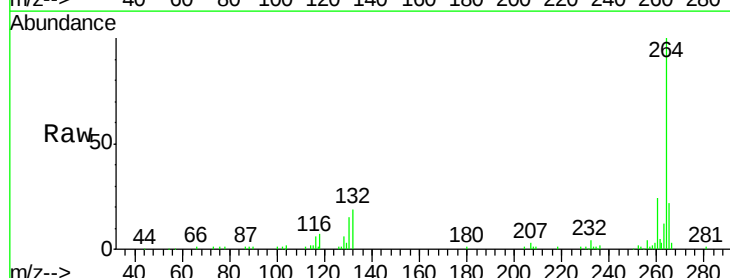
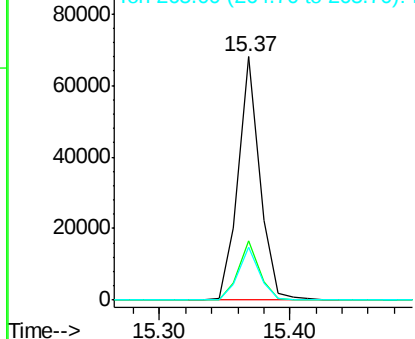
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

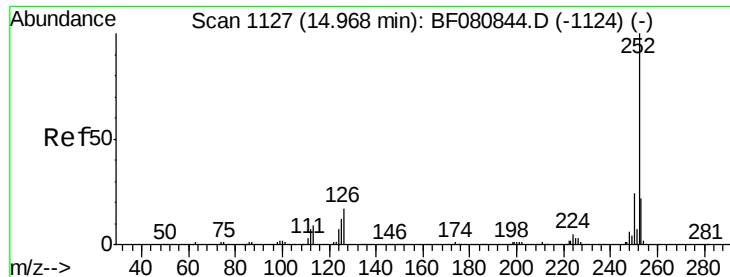


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	78297		
260	24.4		18.9	28.3
265	21.6		16.8	25.2

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





#87

Benzo(b)fluoranthene

Concen: 34.92 ng m

RT: 14.97 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Instrument :

BNA_F

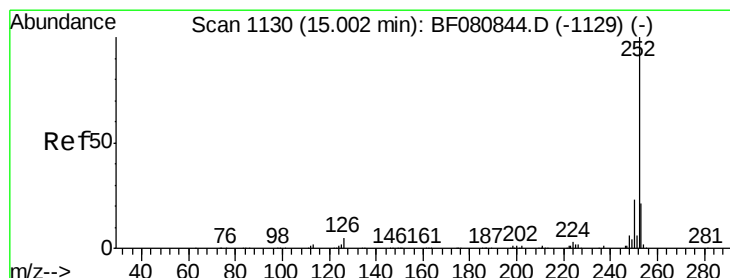
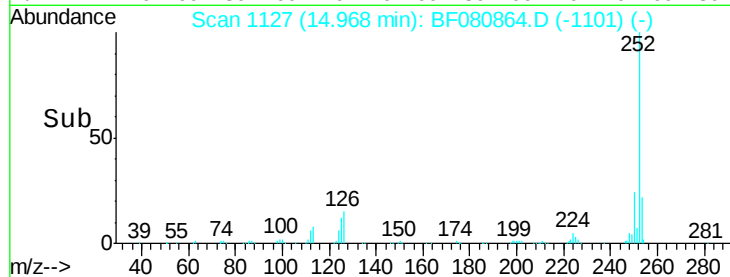
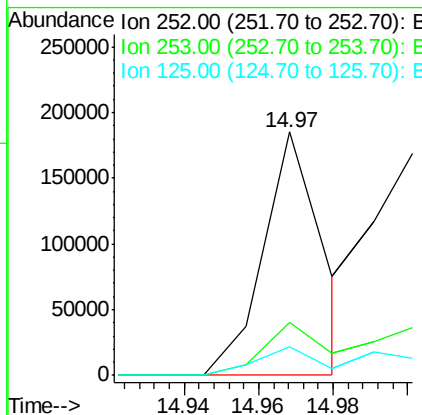
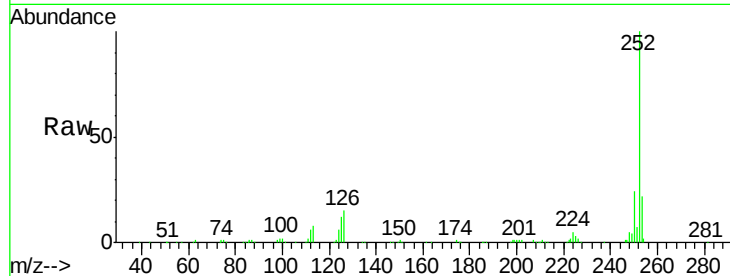
ClientSampleId :

TU021-SB-20-14MS

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.5	17.4	26.0	
125	11.5	9.8	14.8	

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#88

Benzo(k)fluoranthene

Concen: 46.96 ng m

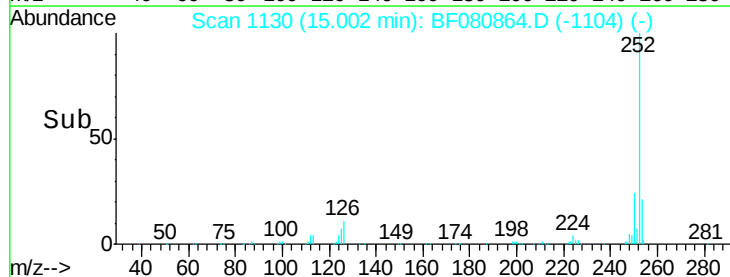
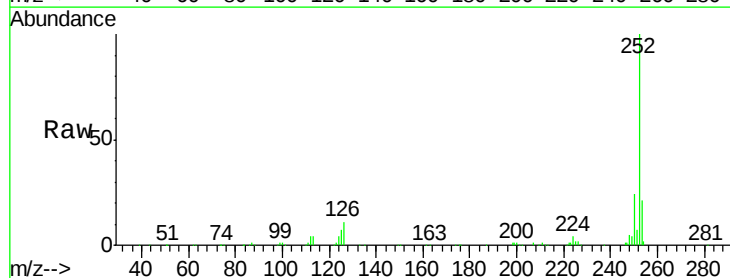
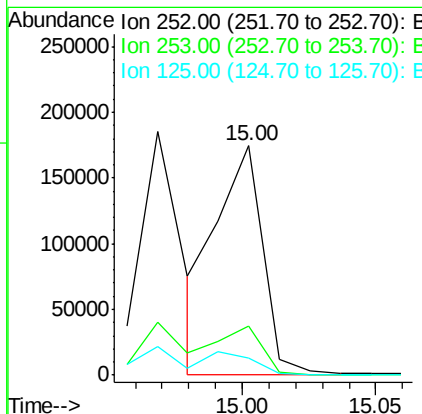
RT: 15.00 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF080864.D

Acq: 5 Aug 2015 5:34

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.3	16.9	25.3	
125	7.5	7.0	10.6	





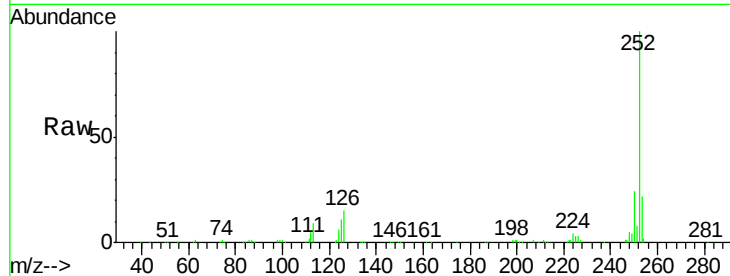
#89
Benzo(a)pyrene
Concen: 40.63 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

Instrument :
BNA_F
ClientSampleId :
TU021-SB-20-14MS

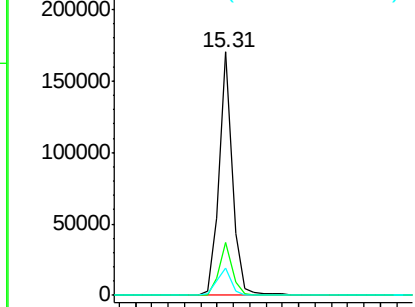
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	11.4	10.6	16.0

Manual Integrations
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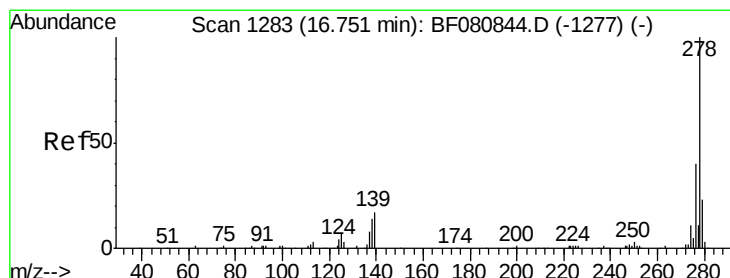
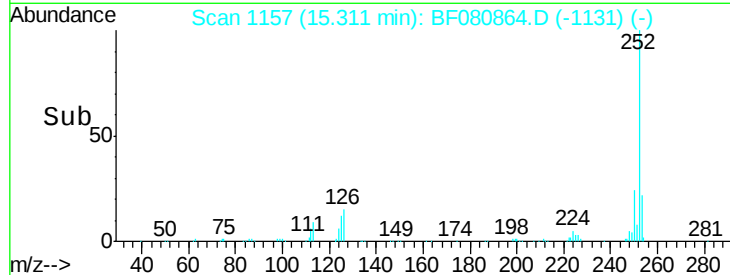
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



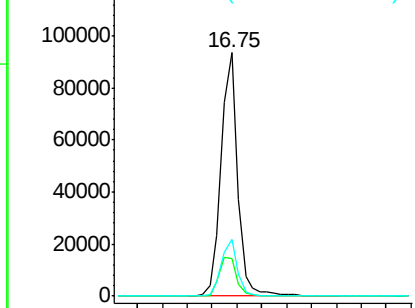
Time-->



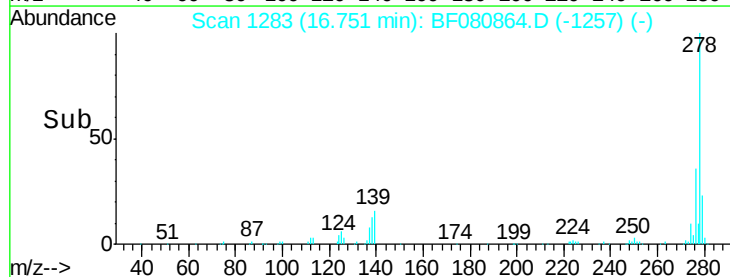
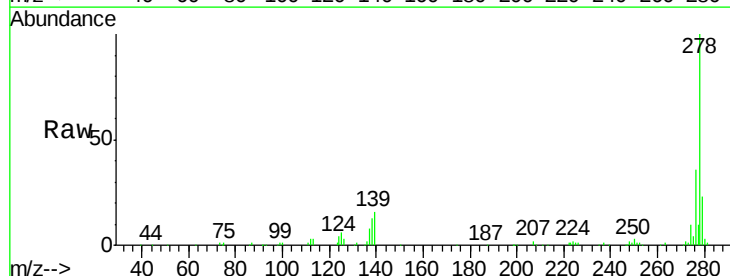
#90
Dibenzo(a,h)anthracene
Concen: 41.64 ng
RT: 16.75 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF080864.D
Acq: 5 Aug 2015 5:34

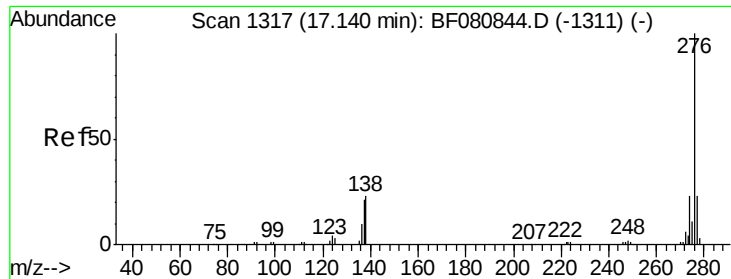
Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.4	20.0
279	23.1	18.4	27.6

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



Time-->





#91
 Benzo(g,h,i)perylene
 Concen: 45.24 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF080864.D
 Acq: 5 Aug 2015 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-20-14MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.4	18.6	27.8
138	21.1	18.8	28.2

Manual Integrations
 APPROVED

MMDadoda
 8/5/2015 7:01:22 PM

