

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082272.D
 Acq On : 13 Oct 2015 23:50
 Operator : UM/IZ
 Sample : G4005-02MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Manual Integrations
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MMdadoda
 10/14/2015 3:51:25 PM

Quant Time: Oct 14 02:32:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75846	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	301860	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	153210	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	276486	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	227209	20.00	ng	-0.10
86) Perylene-d12	15.52	264	208885	20.00	ng	-0.25

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	467332	124.35	ng	0.01
7) Phenol-d6	6.47	99	591238	120.90	ng	0.00
23) Nitrobenzene-d5	7.39	82	363868	80.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	160583	111.76	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	667007	72.20	ng	0.00
78) Terphenyl-d14	12.95	244	639342	74.57	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.42	88	50856	26.93	ng	96
3) Pyridine	3.14	79	123267	28.07	ng	97
4) n-Nitrosodimethylamine	3.10	42	62600	33.61	ng	96
6) Aniline	6.49	93	123178	19.54	ng	# 90
8) 2-Chlorophenol	6.61	128	155313	33.85	ng	# 77
9) Benzaldehyde	6.37	77	80228	32.12	ng	93
10) Phenol	6.48	94	210461	37.33	ng	99
11) bis(2-Chloroethyl)ether	6.57	93	166205	34.86	ng	94
12) 1,3-Dichlorobenzene	6.77	146	182193	34.10	ng	97
13) 1,4-Dichlorobenzene	6.85	146	183493	32.89	ng	97
14) 1,2-Dichlorobenzene	6.99	146	178088	33.61	ng	97
15) Benzyl Alcohol	6.97	79	123067	36.45	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.11	45	220132	33.15	ng	98
17) 2-Methylphenol	7.09	107	127186	35.06	ng	99
18) Hexachloroethane	7.34	117	60243	31.54	ng	92
19) n-Nitroso-di-n-propylamine	7.25	70	109454	31.87	ng	# 88
20) 3+4-Methylphenols	7.25	107	163099	37.73	ng	94
22) Acetophenone	7.25	105	222126	37.20	ng	# 95
24) Nitrobenzene	7.42	77	169320	34.80	ng	96
25) Isophorone	7.66	82	304340	33.55	ng	96
26) 2-Nitrophenol	7.74	139	87264	35.92	ng	94
27) 2,4-Dimethylphenol	7.77	122	137060	35.02	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	180918	34.27	ng	99
29) 2,4-Dichlorophenol	7.98	162	149646	38.25	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	152231	33.75	ng	99
31) Naphthalene	8.14	128	469879	35.91	ng	100
32) Benzoic acid	7.85	122	19657	7.48	ng	95
33) 4-Chloroaniline	8.19	127	75187	13.84	ng	98
34) Hexachlorobutadiene	8.25	225	92363	32.87	ng	98
35) Caprolactam	8.56	113	40367	35.55	ng	98
36) 4-Chloro-3-methylphenol	8.69	107	143500	37.50	ng	# 82
37) 2-Methylnaphthalene	8.83	142	314201	34.64	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	153545	33.69	ng	98
40) Hexachlorocyclopentadiene	8.98	237	57376	30.60	ng	99

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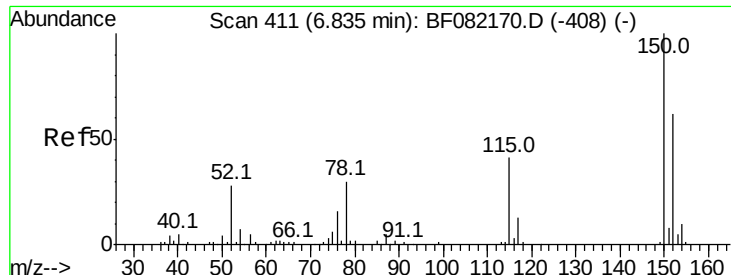
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	96365	31.84	nq	97
43) 2,4,5-Trichlorophenol	9.15	196	118623	36.18	nq	96
45) 1,1'-Biphenyl	9.29	154	364667	31.21	nq	99
46) 2-Chloronaphthalene	9.33	162	302450	32.89	nq	98
47) 2-Nitroaniline	9.43	65	92349	36.57	nq	# 57
48) Acenaphthylene	9.74	152	515344	35.97	nq	99
49) Dimethylphthalate	9.60	163	461845	42.81	nq	100
50) 2,6-Dinitrotoluene	9.67	165	83344	36.61	nq	97
51) Acenaphthene	9.91	154	306187	35.60	nq	99
52) 3-Nitroaniline	9.84	138	59655	23.20	nq	92
53) 2,4-Dinitrophenol	9.94	184	16227	18.13	nq	# 86
54) Dibenzofuran	10.08	168	433672	36.73	nq	100
55) 4-Nitrophenol	10.01	139	117340	69.66	nq	85
56) 2,4-Dinitrotoluene	10.07	165	103345	36.32	nq	98
57) Fluorene	10.42	166	352638	36.36	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.21	232	90881	33.92	nq	93
59) Diethylphthalate	10.30	149	325264	32.34	nq	98
60) 4-Chlorophenyl-phenylether	10.41	204	146449	32.96	nq	96
61) 4-Nitroaniline	10.46	138	80390	32.23	nq	92
62) Azobenzene	10.57	77	332203	33.75	nq	98
64) 4,6-Dinitro-2-methylphenol	10.48	198	18220	11.74	nq	94
65) n-Nitrosodiphenylamine	10.54	169	298958	36.11	nq	100
66) 4-Bromophenyl-phenylether	10.90	248	90004	32.53	nq	# 89
67) Hexachlorobenzene	10.97	284	107627	35.96	nq	# 94
68) Atrazine	11.06	200	91736	34.98	nq	98
69) Pentachlorophenol	11.17	266	110623	71.84	nq	98
70) Phenanthrene	11.38	178	582691	43.00	nq	99
71) Anthracene	11.44	178	569756	40.80	nq	100
72) Carbazole	11.60	167	486458	38.18	nq	99
73) Di-n-butylphthalate	11.93	149	547295	34.82	nq	98
74) Fluoranthene	12.58	202	701080	48.17	nq	99
76) Benzidine	12.71	184	129029	19.60	nq	99
77) Pyrene	12.81	202	709206	52.60	nq	99
79) Butylbenzylphthalate	13.43	149	203697	33.10	nq	92
80) Benzo(a)anthracene	14.02	228	495758	41.94	nq	99
81) 3,3'-Dichlorobenzidine	13.99	252	118499	26.41	nq	# 96
82) Chrysene	14.06	228	483310	38.80	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	285228	32.49	nq	# 98
84) Di-n-octyl phthalate	14.66	149	461304	30.60	nq	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	391443	39.54	nq	99
87) Benzo(b)fluoranthene	15.11	252	480408m	37.80	nq	
88) Benzo(k)fluoranthene	15.13	252	368025m	34.45	nq	
89) Benzo(a)pyrene	15.46	252	417762	38.25	nq	99
90) Dibenzo(a,h)anthracene	16.97	278	307134	34.32	nq	98
91) Benzo(g,h,i)perylene	17.38	276	323115	37.16	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampleId :

UST-3MSD

Tot Ion:152 Resp: 75846

Ion Ratio Lower Upper

152 100

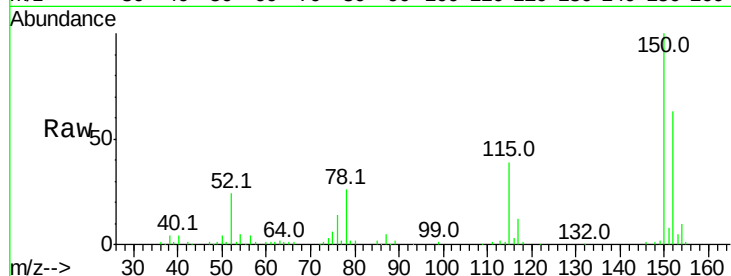
150 158.5 129.0 193.4

115 61.0 52.1 78.1

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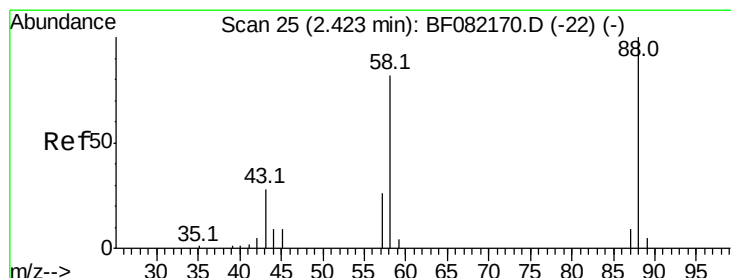
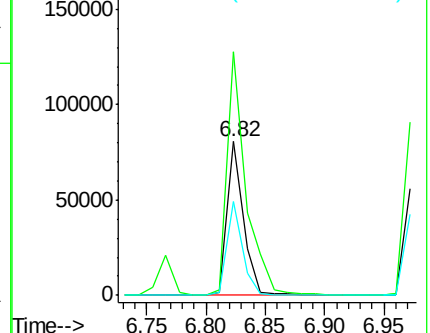
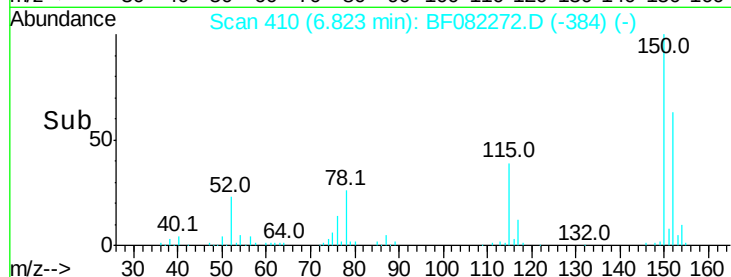
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 26.93 ng

RT: 2.42 min Scan# 25

Delta R.T. 0.05 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

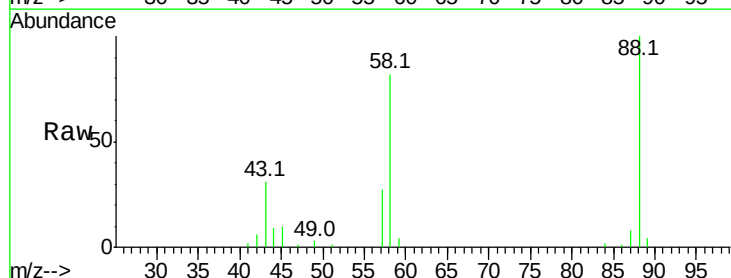
Tgt Ion: 88 Resp: 50856

Ion Ratio Lower Upper

88 100

58 86.6 66.2 99.4

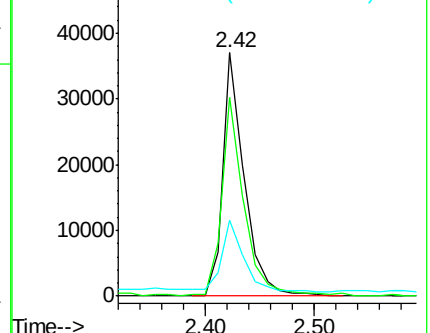
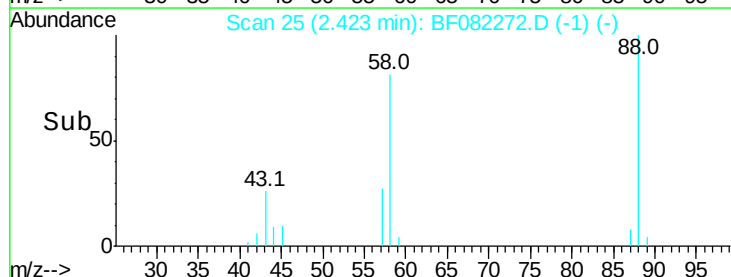
43 30.8 23.0 34.4

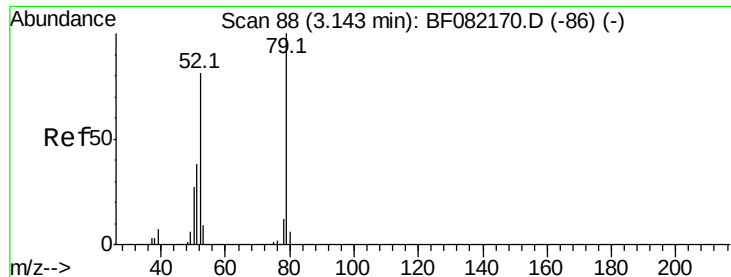


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 28.07 ng

RT: 3.14 min Scan# 88

Delta R.T. 0.05 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

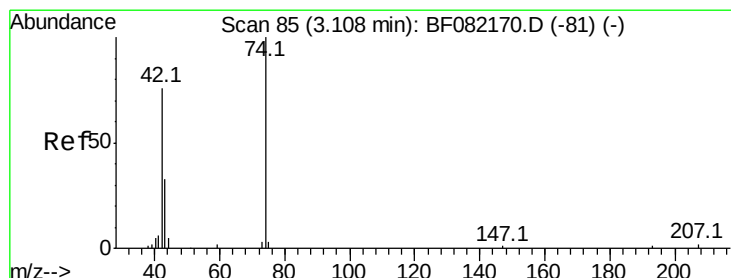
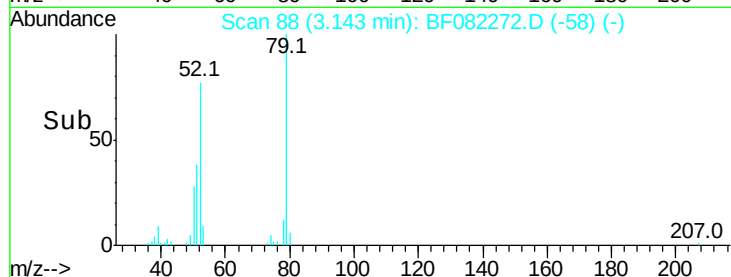
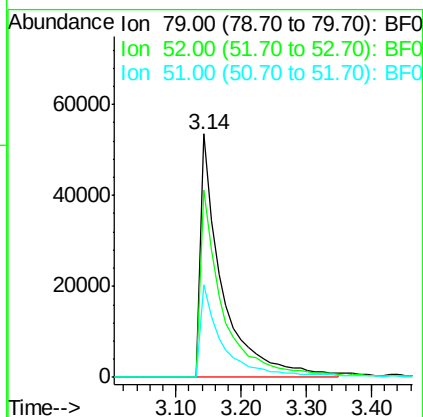
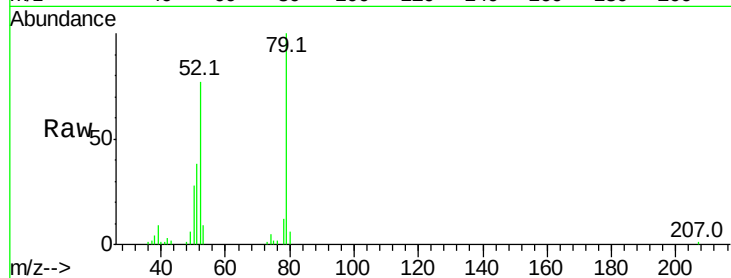
ClientSampleId :

UST-3MSD

Tot Ion:	79	Resp:	123267
Ion Ratio	Lower	Upper	
79	100		
52	77.1	64.4	96.6
51	38.1	30.5	45.7

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#4

n-Nitrosodimethylamine

Concen: 33.61 ng

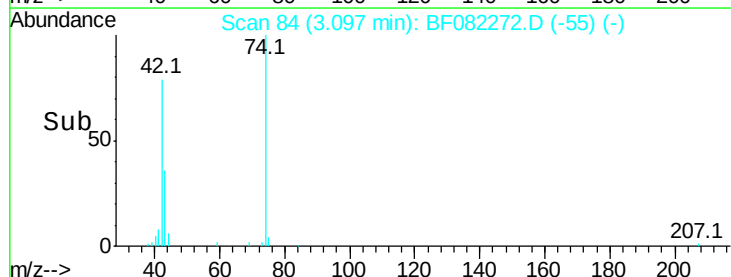
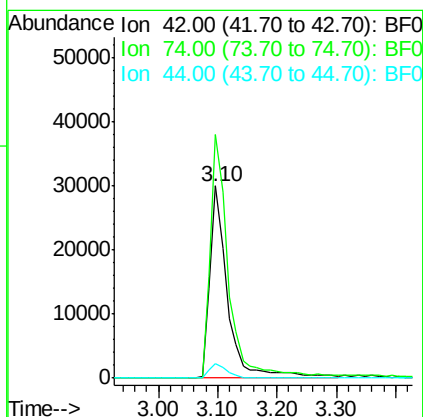
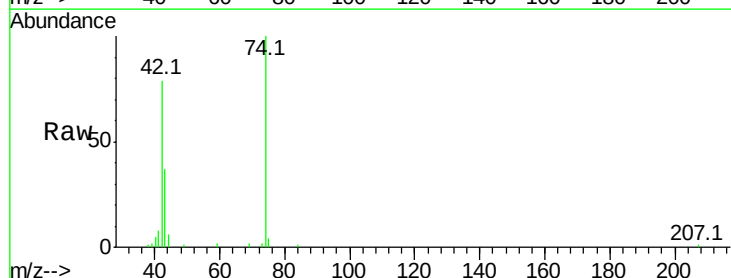
RT: 3.10 min Scan# 84

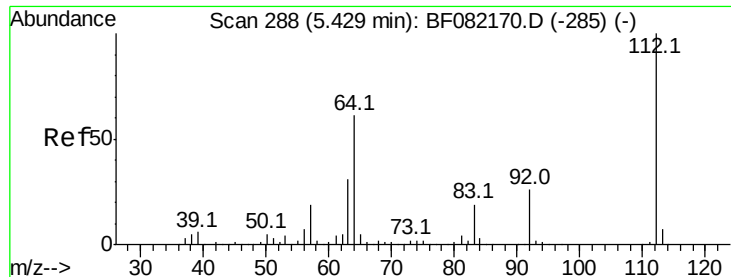
Delta R.T. 0.03 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	42	Resp:	62600
Ion Ratio	Lower	Upper	
42	100		
74	126.7	105.7	158.5
44	7.6	5.4	8.2





#5

2-Fluorophenol

Concen: 124.35 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

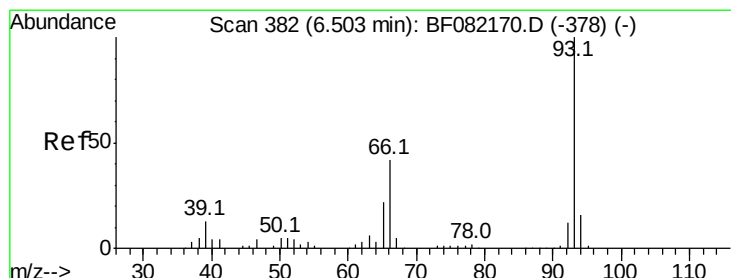
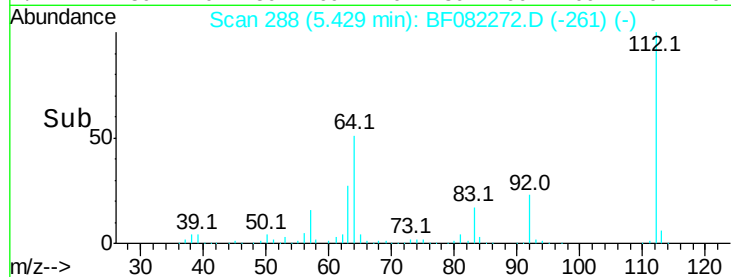
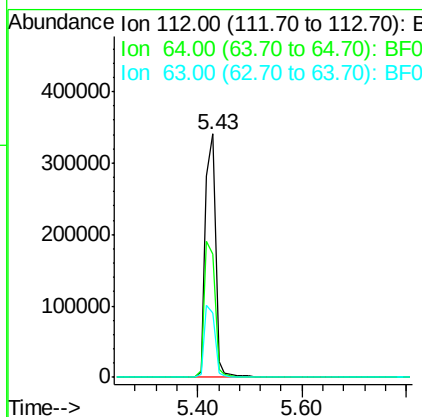
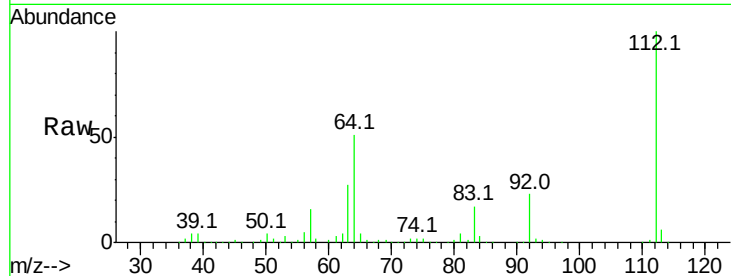
ClientSampleId :

UST-3MSD

Tot Ion:	112	Resp:	467332
Ion Ratio	Lower	Upper	
112	100		
64	50.9	48.6	73.0
63	26.6	25.1	37.7

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#6

Aniline

Concen: 19.54 ng

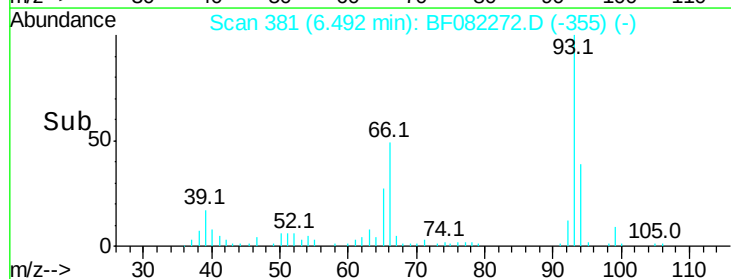
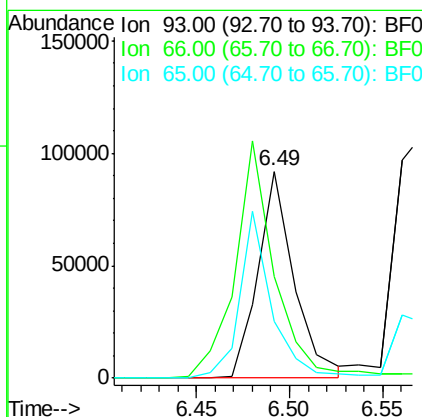
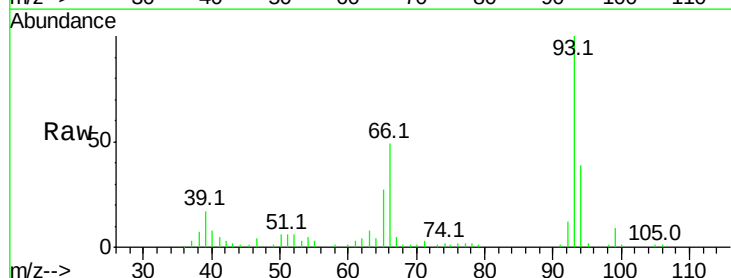
RT: 6.49 min Scan# 381

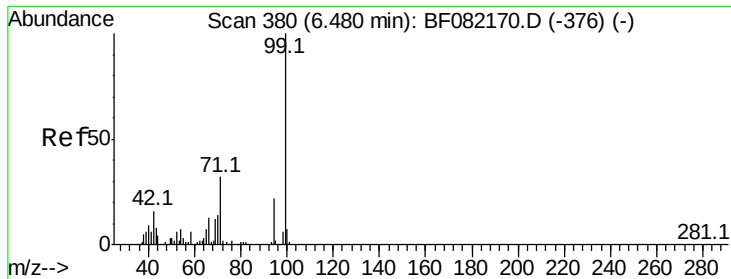
Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	93	Resp:	123178
Ion Ratio	Lower	Upper	
93	100		
66	49.3	34.2	51.2
65	27.1	17.9	26.9#





#7

Phenol-d6

Concen: 120.90 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

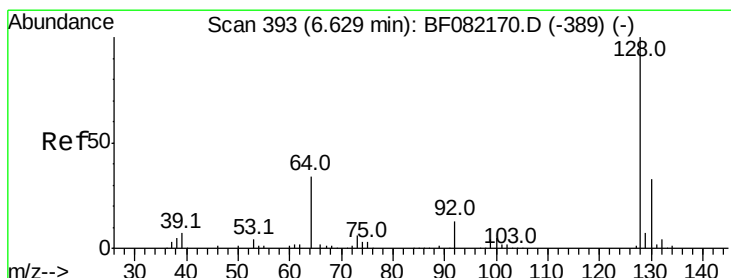
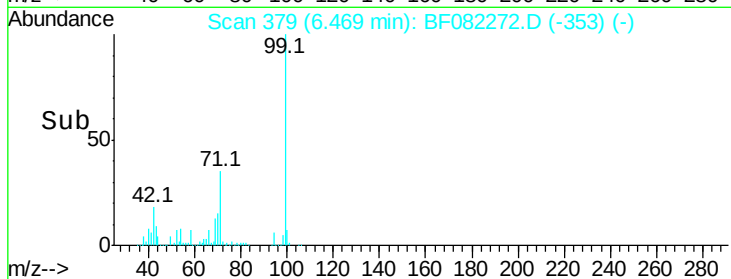
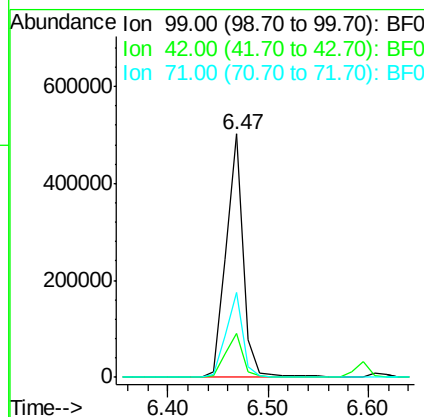
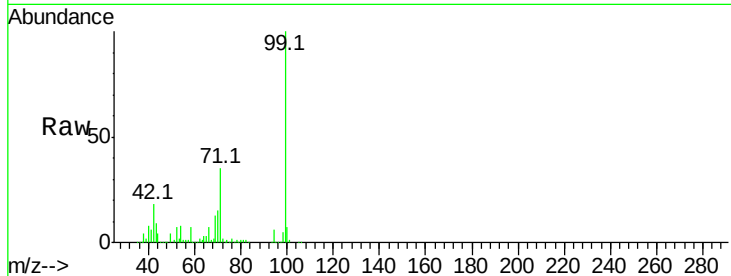
ClientSampleId :

UST-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		591238		
42	18.1	13.2	19.8		
71	34.7	25.6	38.4		

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#8

2-Chlorophenol

Concen: 33.85 ng

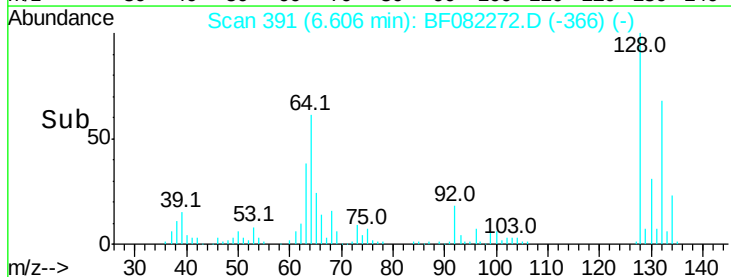
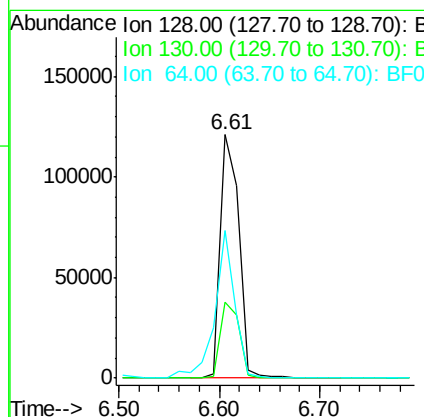
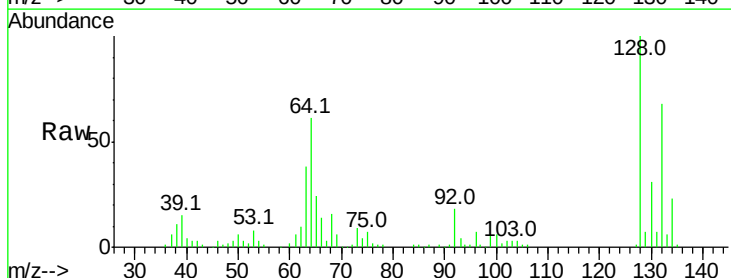
RT: 6.61 min Scan# 391

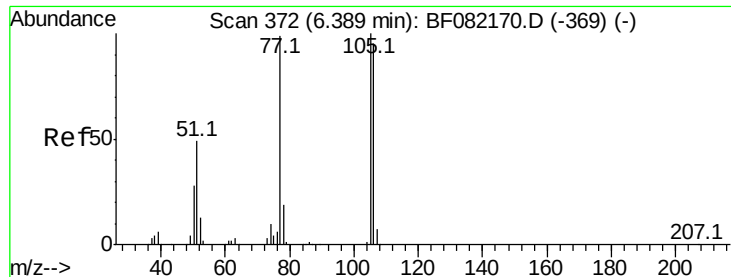
Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		155313		
130	31.3	12.6	52.6		
64	60.8	16.7	56.7		





#9

Benzaldehyde

Concen: 32.12 ng

RT: 6.37 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampleId :

UST-3MSD

Tot Ion: 77 Resp: 80228

Ion Ratio Lower Upper

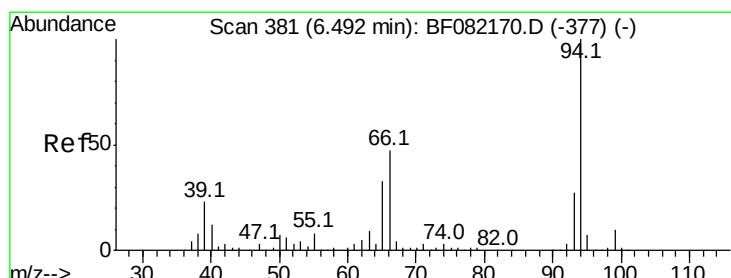
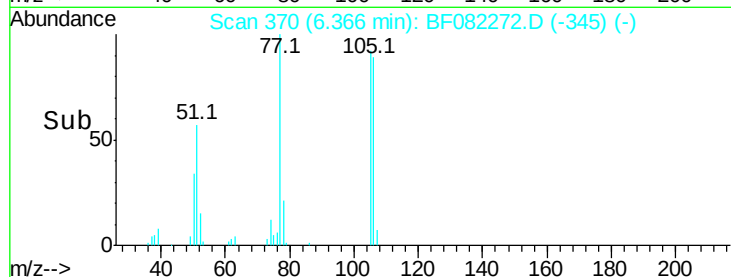
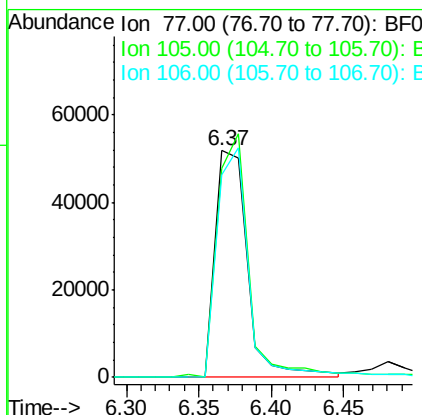
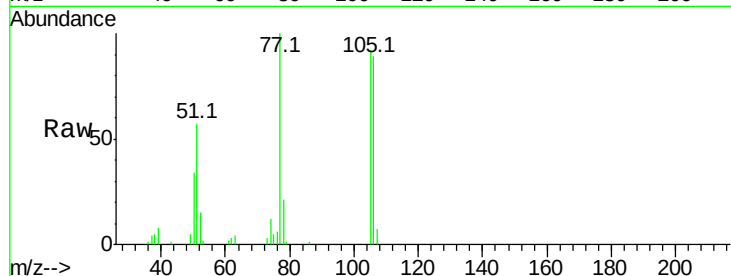
77 100

105 92.3 80.6 120.6

106 89.1 75.5 115.5

Manual Integrations
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#10

Phenol

Concen: 37.33 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

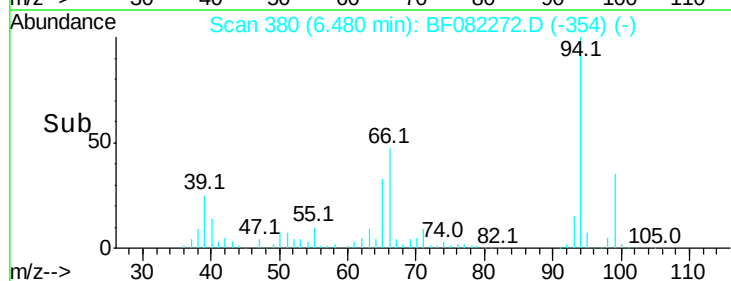
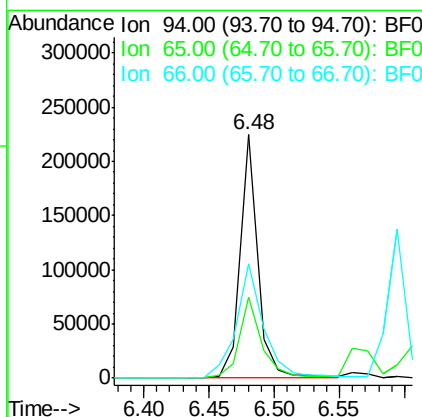
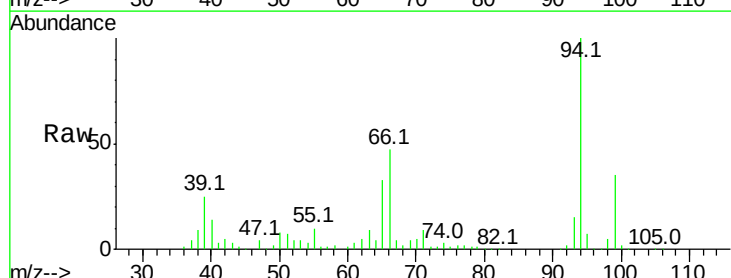
Tgt Ion: 94 Resp: 210461

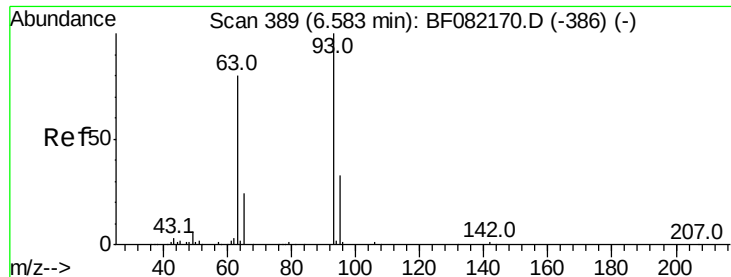
Ion Ratio Lower Upper

94 100

65 33.1 12.6 52.6

66 46.9 27.3 67.3





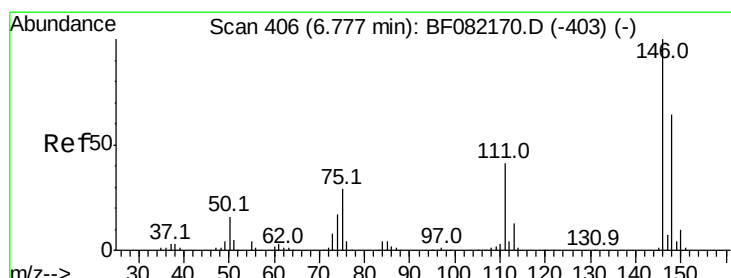
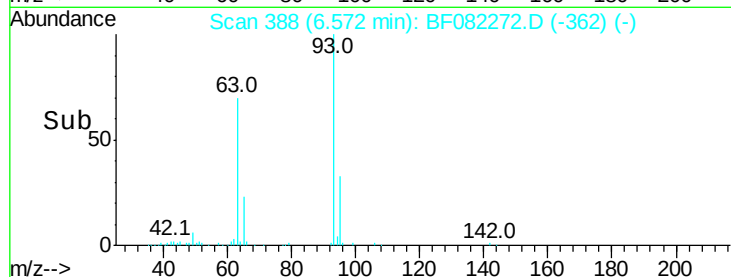
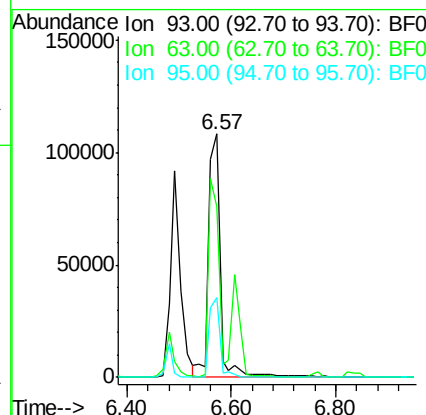
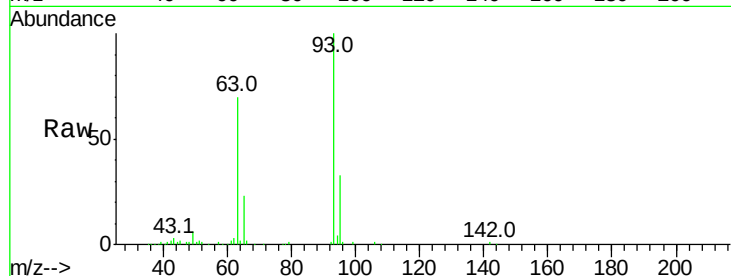
#11
bis(2-Chloroethyl)ether
Concen: 34.86 ng
RT: 6.57 min Scan# 388
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	166205		
63	70.1	57.1	97.1	
95	32.7	11.9	51.9	

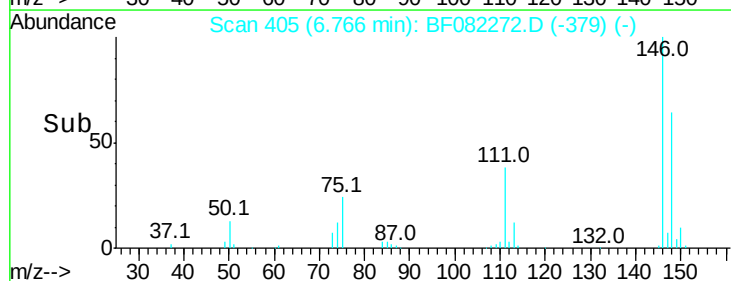
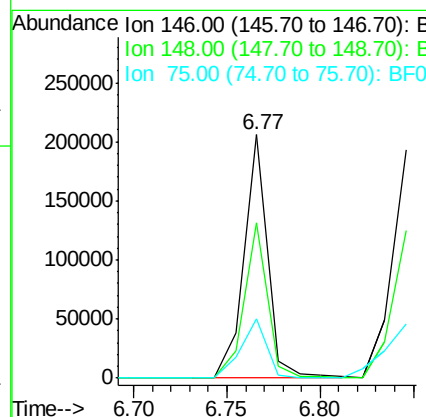
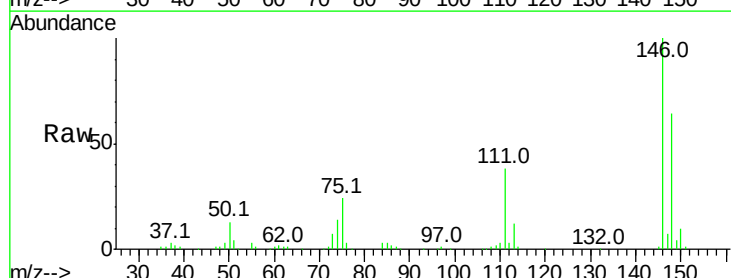
Manual Integrations
APPROVED

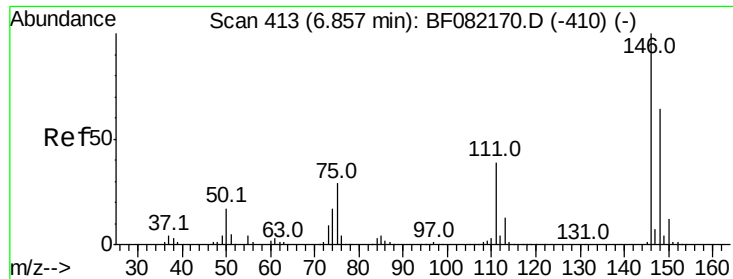
MMdadoda
10/14/2015 3:51:25 PM



#12
1,3-Dichlorobenzene
Concen: 34.10 ng
RT: 6.77 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182193		
148	63.9	51.4	77.2	
75	24.3	23.0	34.6	





#13

1,4-Dichlorobenzene

Concen: 32.89 ng

RT: 6.85 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

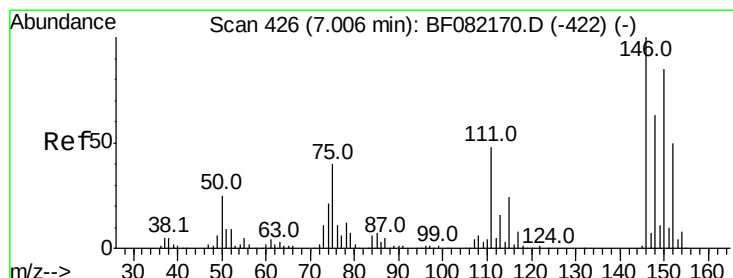
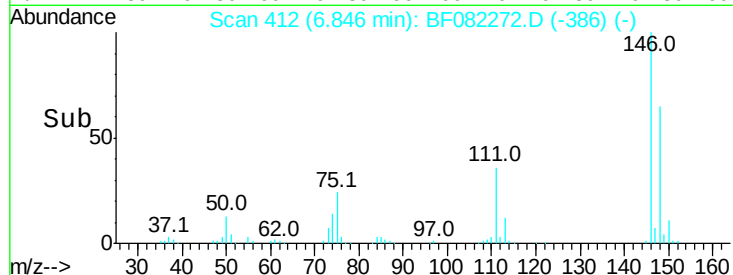
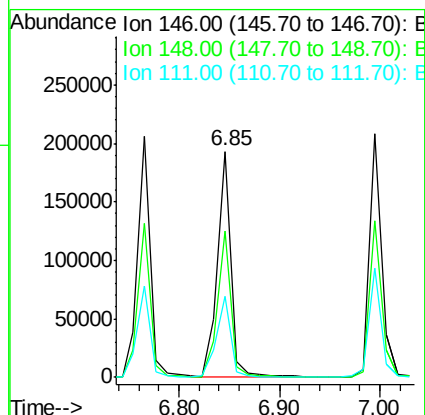
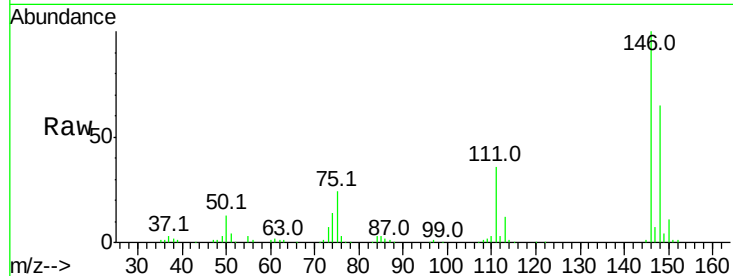
ClientSampleId :

UST-3MSD

Tot Ion:	146	Resp:	183493
Ion Ratio	Lower	Upper	
146	100		
148	64.7	51.0	76.4
111	36.1	31.1	46.7

Manual Integrations
APPROVED

MMdadoda
10/14/2015 3:51:25 PM



#14

1,2-Dichlorobenzene

Concen: 33.61 ng

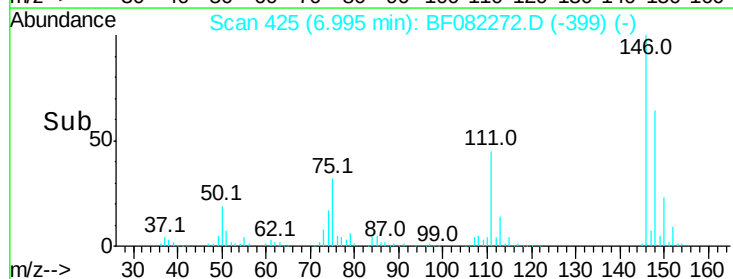
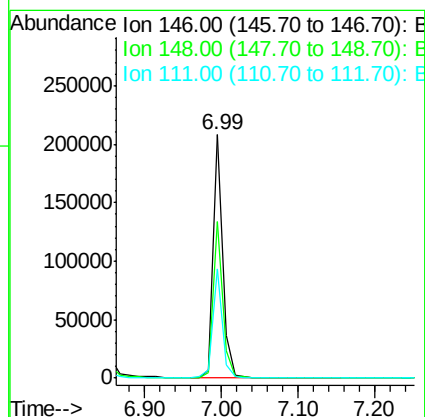
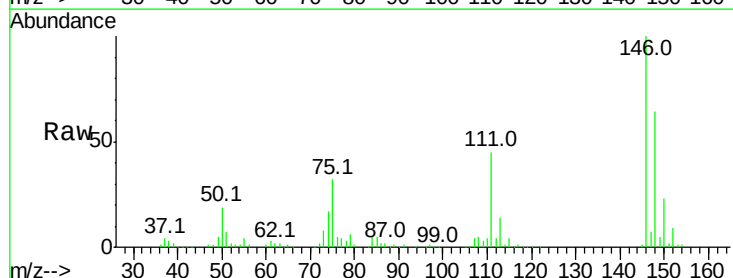
RT: 6.99 min Scan# 425

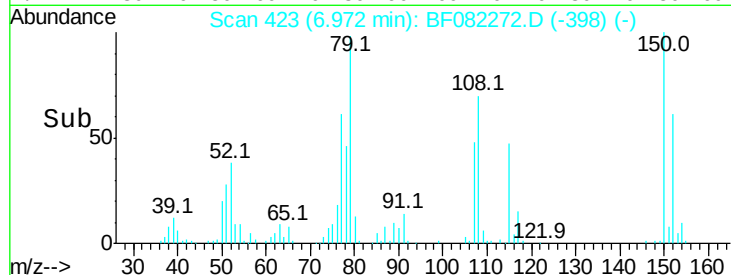
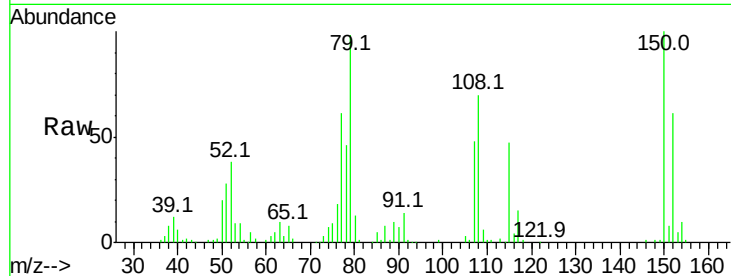
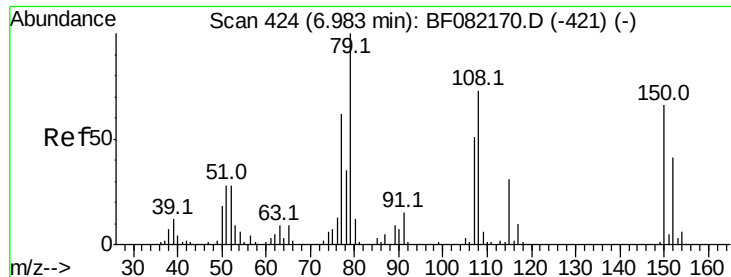
Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	146	Resp:	178088
Ion Ratio	Lower	Upper	
146	100		
148	64.2	50.5	75.7
111	44.7	38.5	57.7





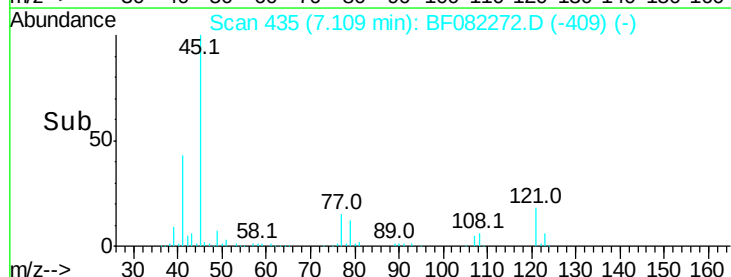
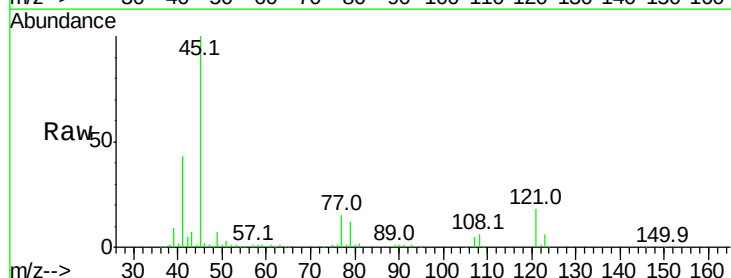
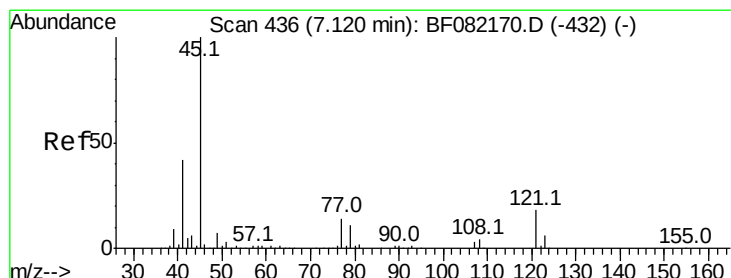
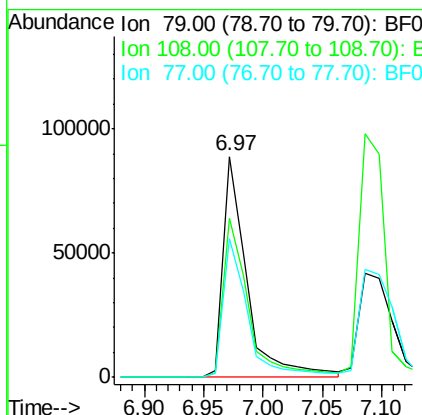
#15
Benzyl Alcohol
Concen: 36.45 ng
RT: 6.97 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.9	58.4	87.6
77	62.6	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

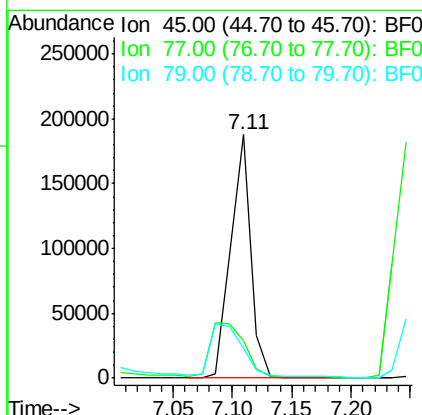
Manual Integrations
APPROVED

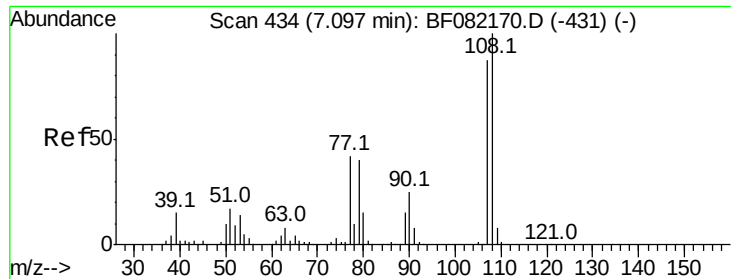
MMdadoda
10/14/2015 3:51:25 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.15 ng
RT: 7.11 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.5
79	12.2	0.0	31.6





#17

2-Methylphenol

Concen: 35.06 ng

RT: 7.09 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampled :

UST-3MSD

Tot Ion:107 Resp: 127186

Ion Ratio Lower Upper

107 100

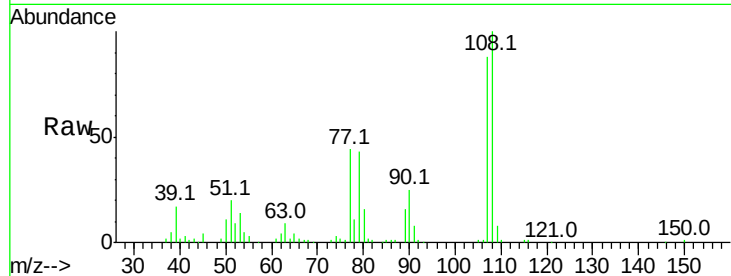
108 113.7 92.2 138.2

77 50.2 39.6 59.4

79 48.6 38.2 57.4

Manual Integrations
APPROVED

MMdadoda
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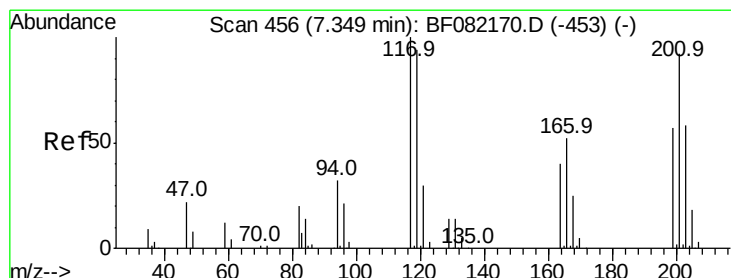
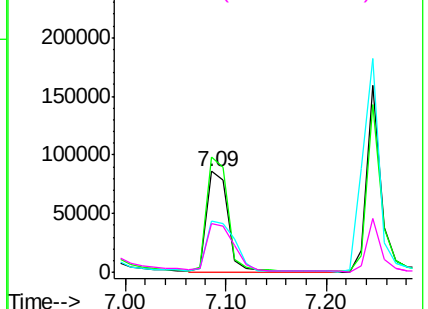
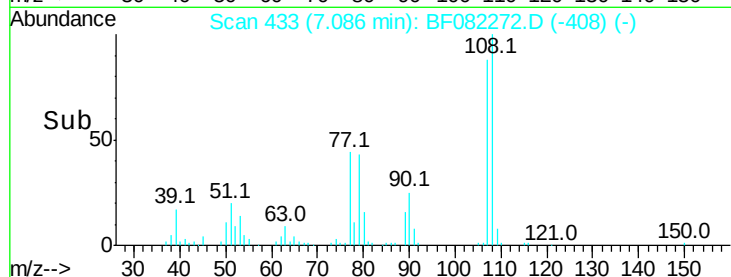


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 31.54 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

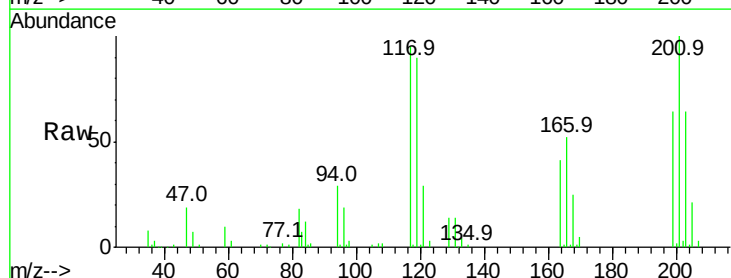
Tgt Ion:117 Resp: 60243

Ion Ratio Lower Upper

117 100

119 95.1 75.4 113.2

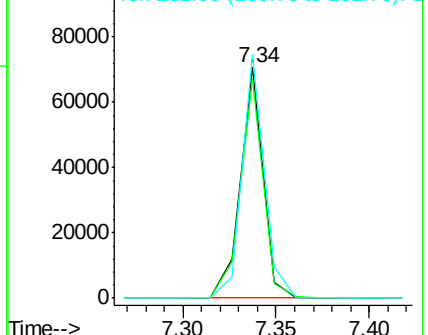
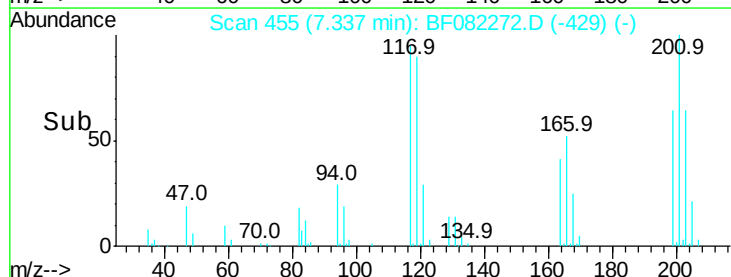
201 105.6 73.4 110.0

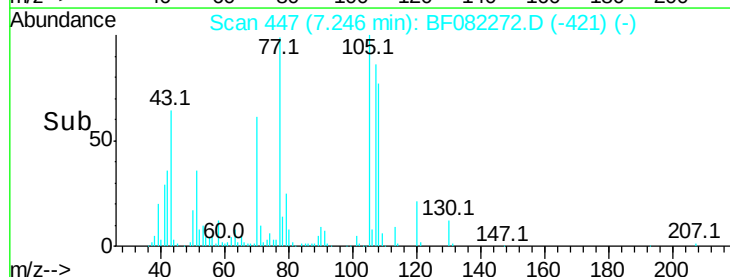
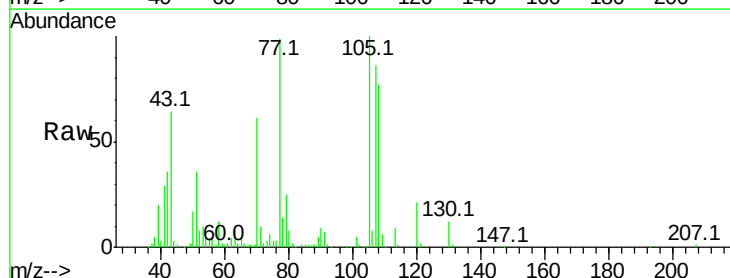
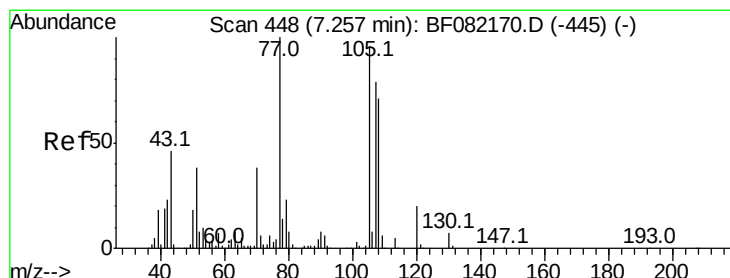
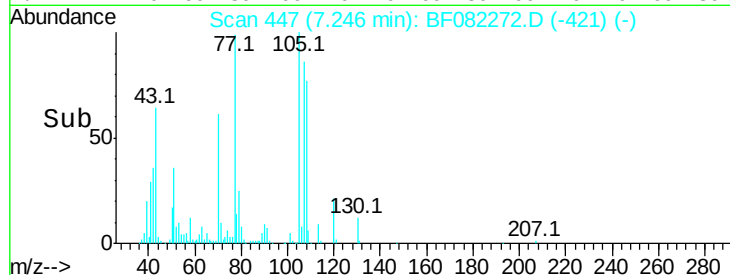
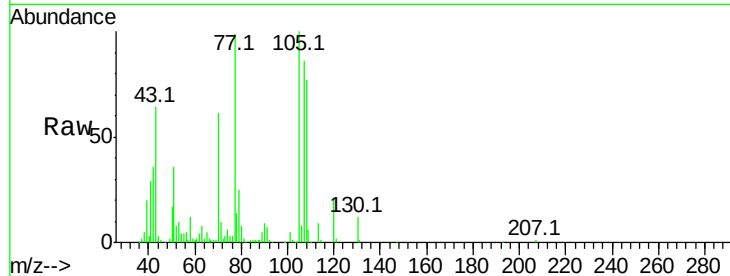
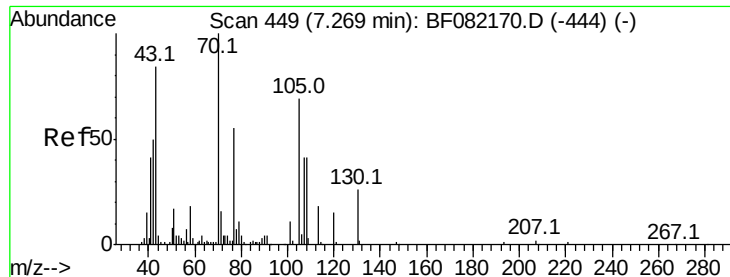


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





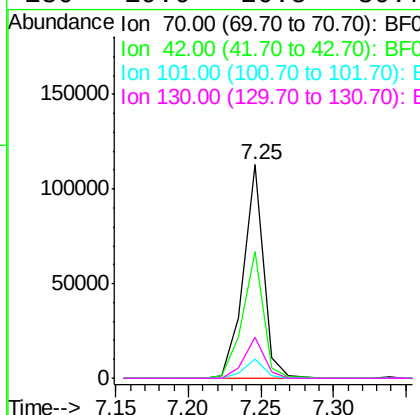
#19
n-Nitroso-di-n-propylamine
Concen: 31.87 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.1	39.8	59.8
101	9.0	8.6	13.0
130	19.0	20.5	30.7#

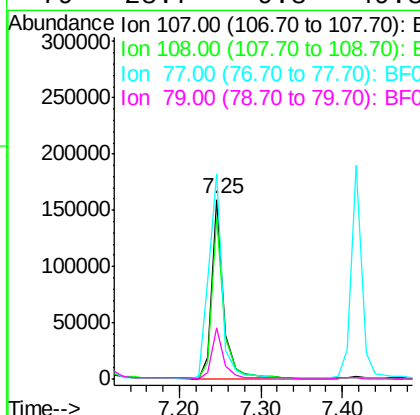
Manual Integrations
APPROVED

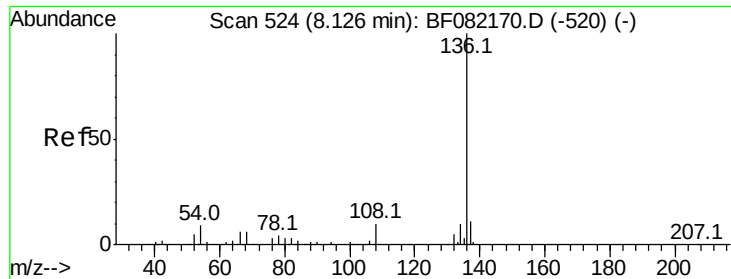
MMdadoda
10/14/2015 3:51:25 PM



#20
3+4-Methylphenols
Concen: 37.73 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.9	109.9
77	114.3	106.0	146.0
79	28.7	9.8	49.8





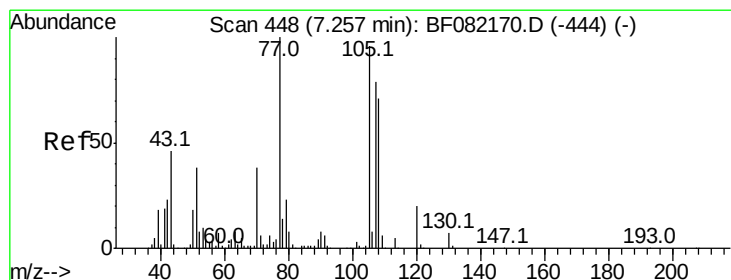
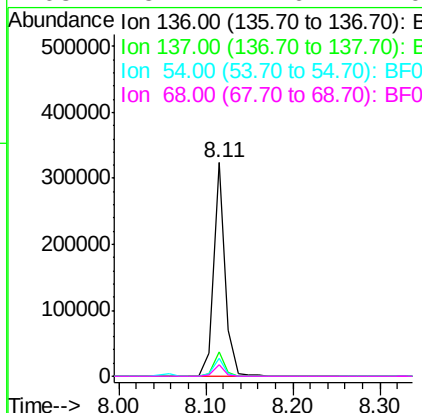
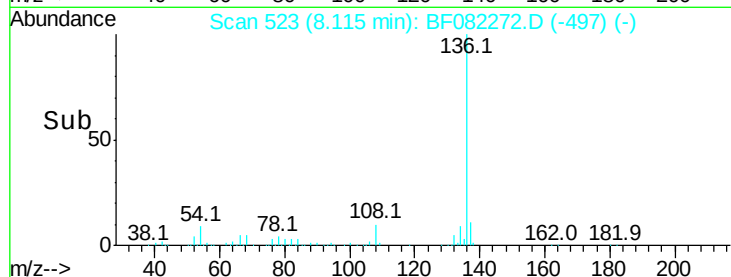
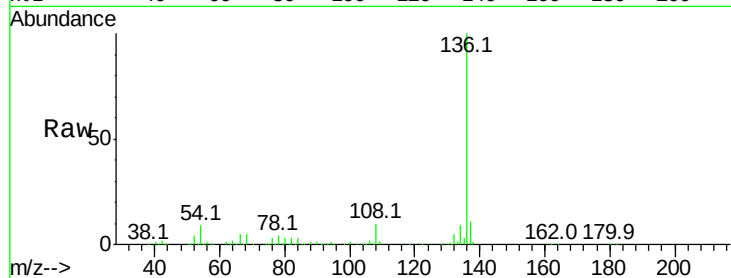
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.6	
54	8.6	7.5	11.3	
68	5.4	4.6	7.0	

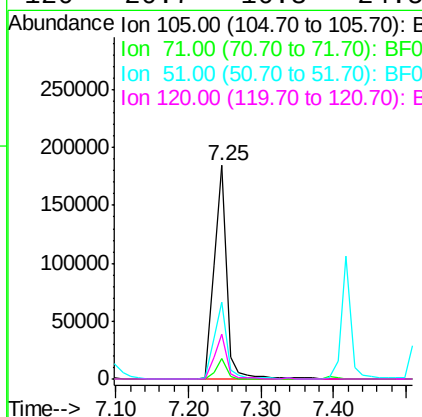
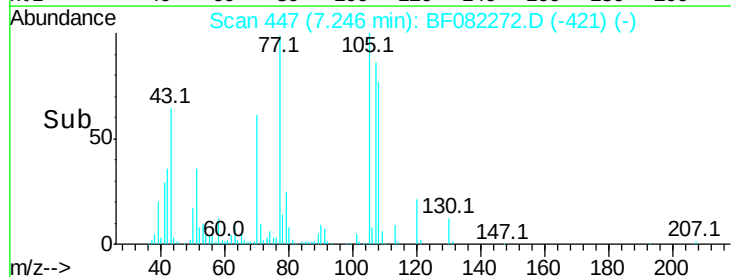
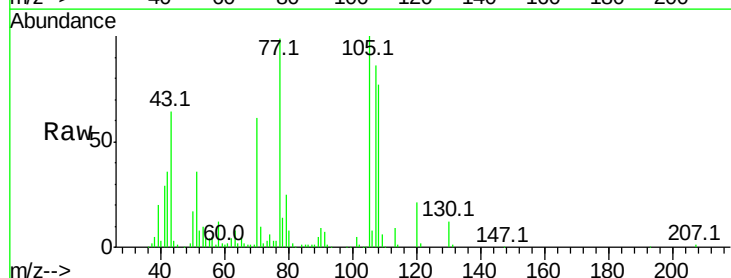
Manual Integrations
APPROVED

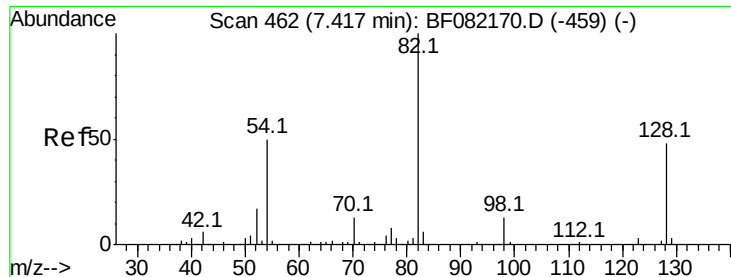
MMdadoda
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#22
Acetophenone
Concen: 37.20 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	9.8	5.4	8.0#	
51	36.0	31.8	47.6	
120	20.7	16.3	24.5	





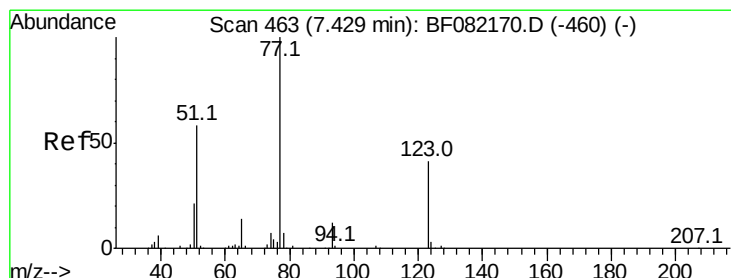
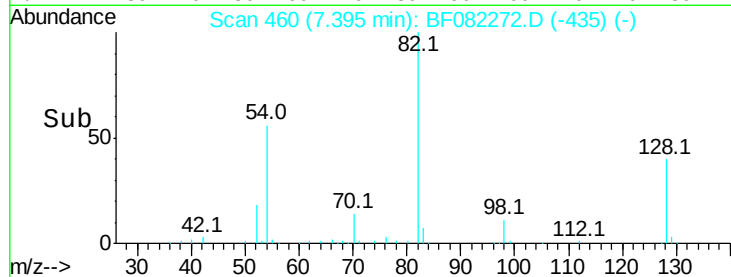
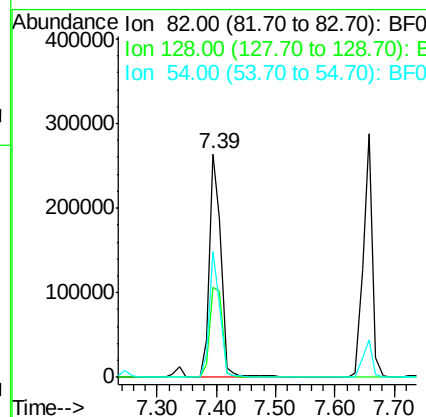
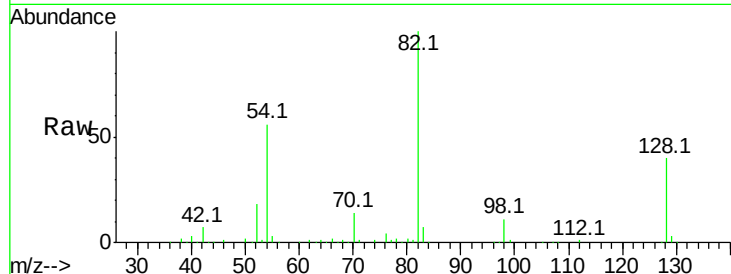
#23
 Nitrobenzene-d5
 Concen: 80.95 ng
 RT: 7.39 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.5	38.7	58.1	
54	56.4	40.1	60.1	

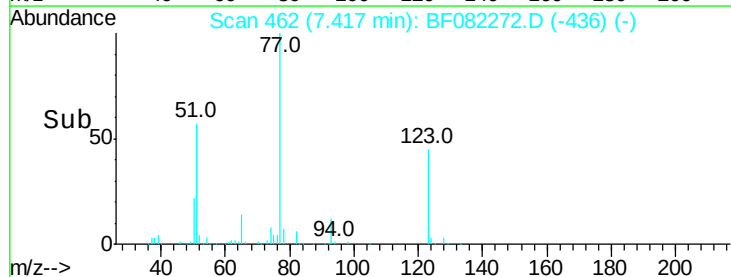
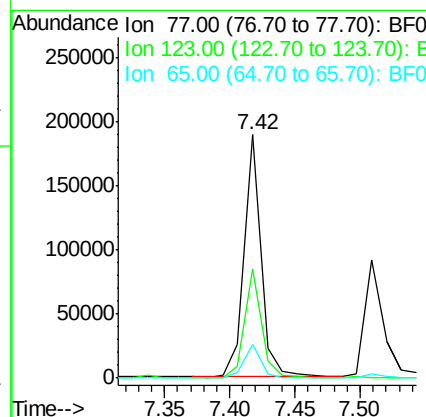
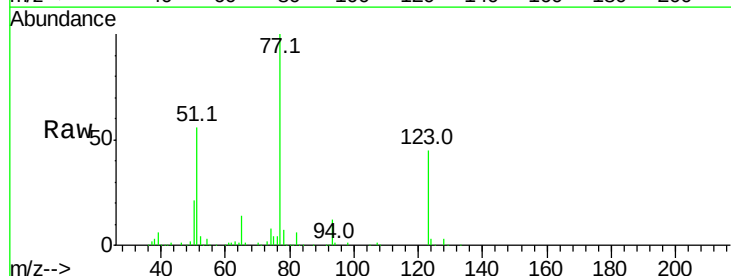
Manual Integrations
 APPROVED

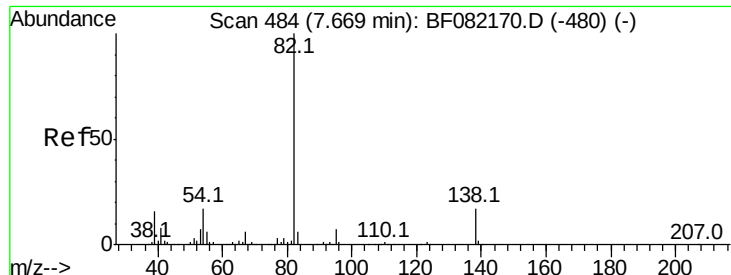
MMdadoda
 10/14/2015 3:51:25 PM



#24
 Nitrobenzene
 Concen: 34.80 ng
 RT: 7.42 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	44.8	33.0	49.4	
65	14.0	11.2	16.8	





#25

Isophorone

Concen: 33.55 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

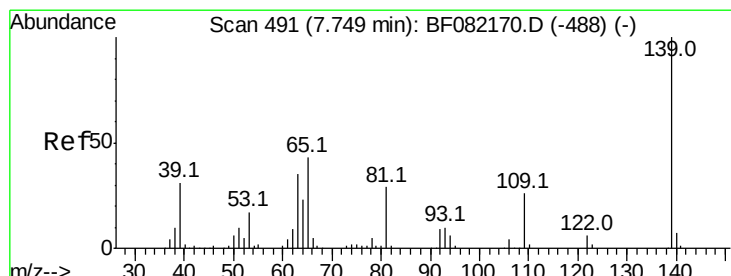
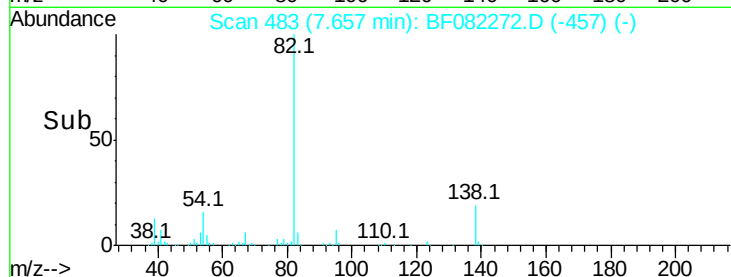
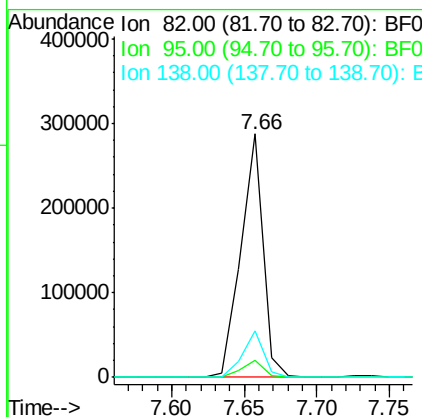
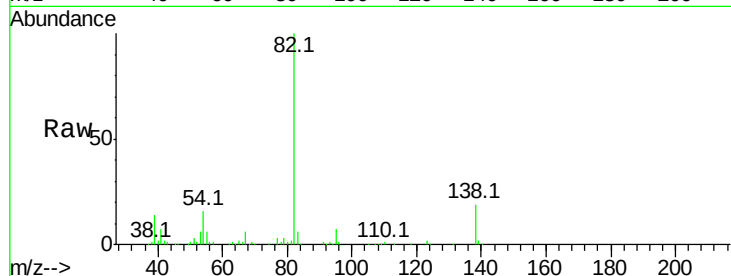
ClientSampleId :

UST-3MSD

Tot Ion:	82	Resp:	304340
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.6	8.4
138	19.4	13.6	20.4

Manual Integrations
APPROVED

MMdadoda
10/14/2015 3:51:25 PM



#26

2-Nitrophenol

Concen: 35.92 ng

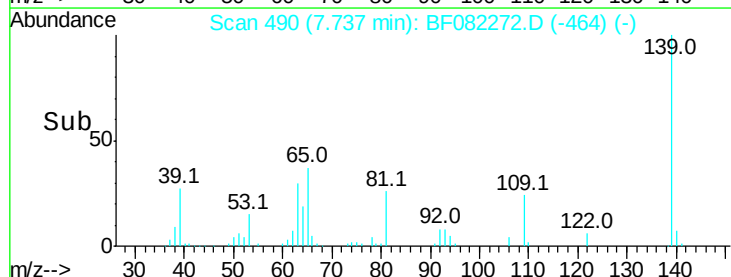
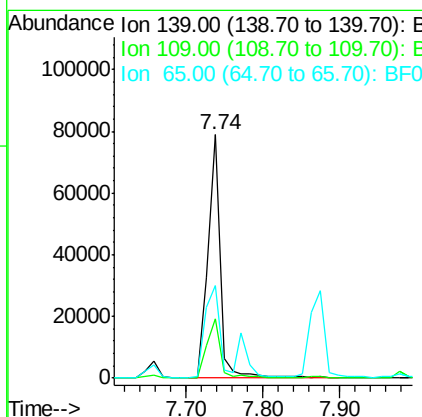
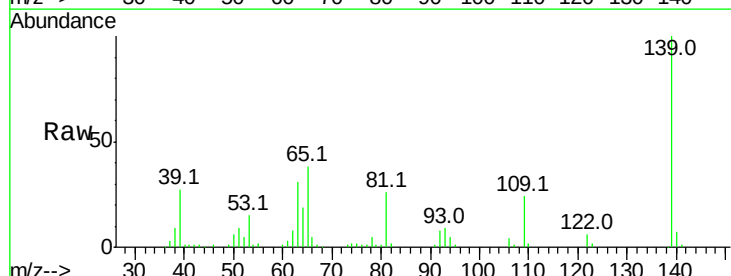
RT: 7.74 min Scan# 490

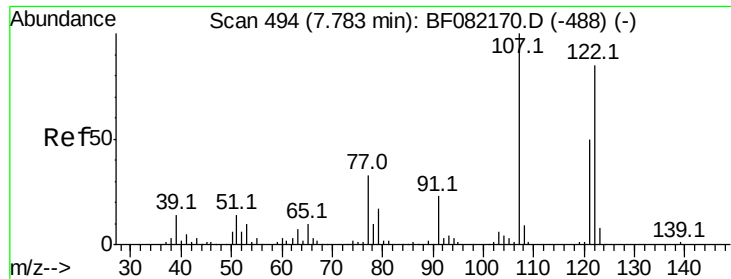
Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	139	Resp:	87264
Ion Ratio	Lower	Upper	
139	100		
109	24.5	20.6	31.0
65	38.1	34.3	51.5





#27

2,4-Dimethylphenol

Concen: 35.02 ng

RT: 7.77 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

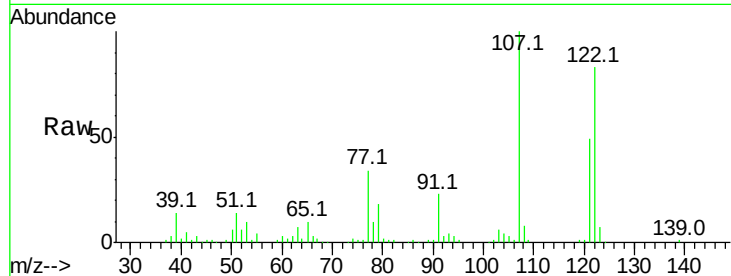
ClientSampleId :

UST-3MSD

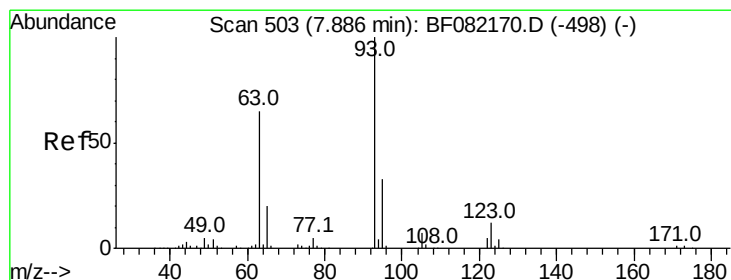
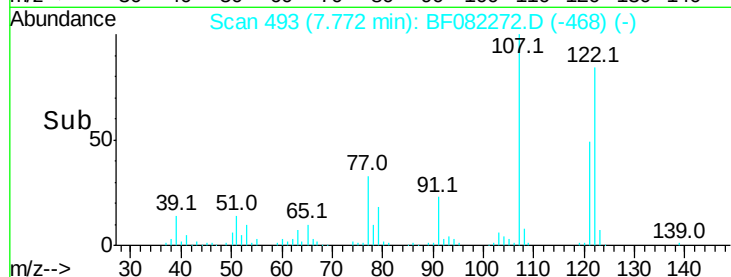
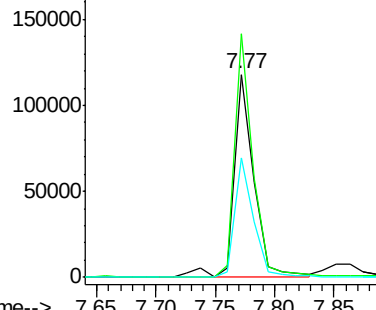
Tot Ion:	122	Resp:	137060
Ion Ratio	Lower	Upper	
122	100		
107	119.9	94.0	141.0
121	58.7	46.8	70.2

Manual Integrations
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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 34.27 ng

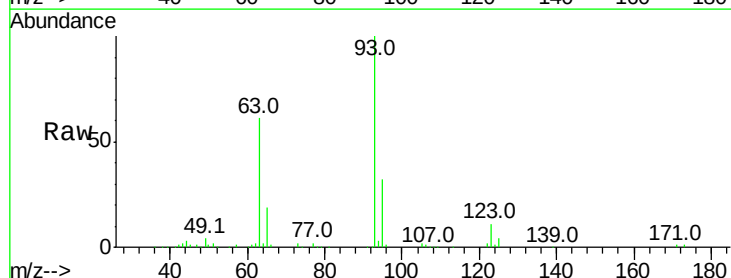
RT: 7.87 min Scan# 502

Delta R.T. 0.00 min

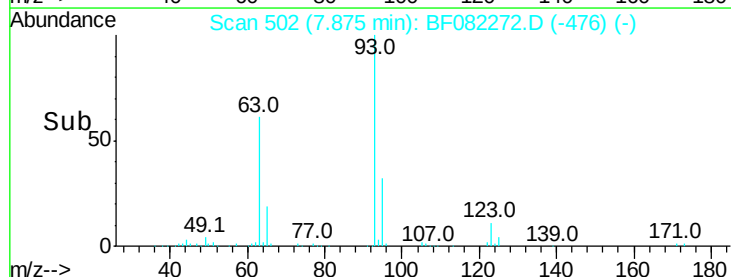
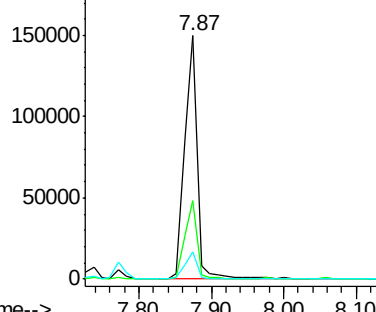
Lab File: BF082272.D

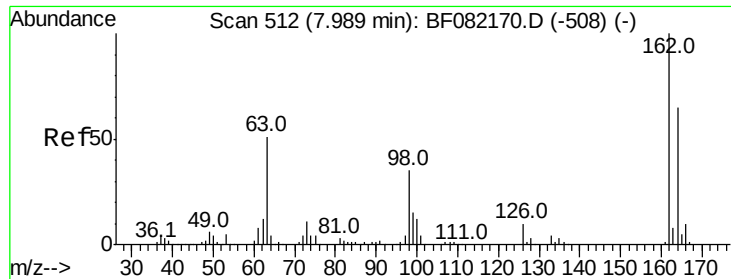
Acq: 13 Oct 2015 23:50

Tgt Ion:	93	Resp:	180918
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.6	39.8
123	11.3	9.5	14.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





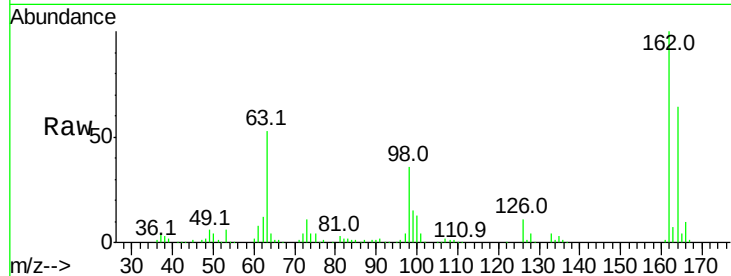
#29
 2,4-Dichlorophenol
 Concen: 38.25 ng
 RT: 7.98 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

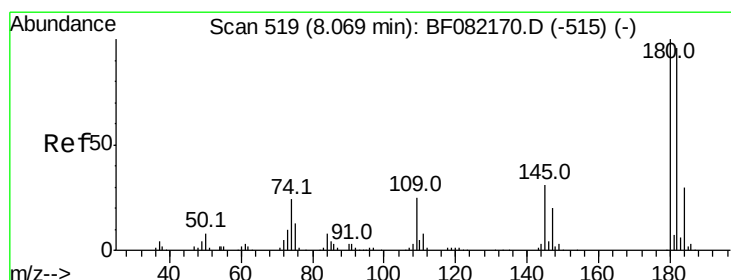
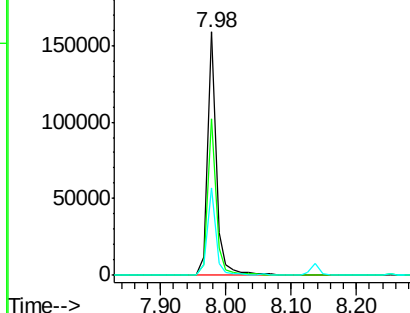
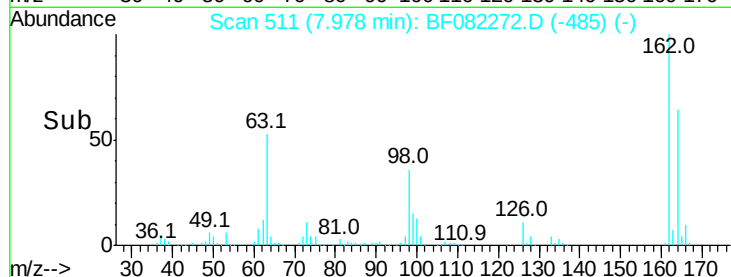
Tot Ion:	162	Resp:	149646
Ion Ratio	Lower	Upper	
162	100		
164	64.3	44.6	84.6
98	35.9	15.0	55.0

Manual Integrations
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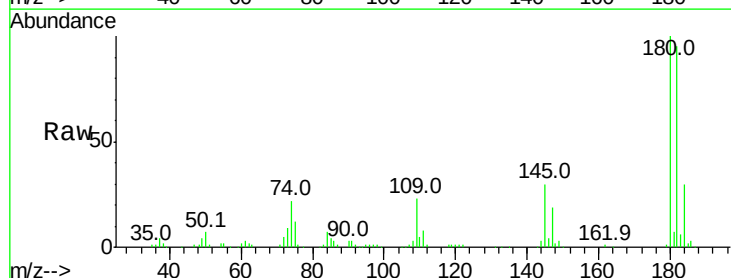


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

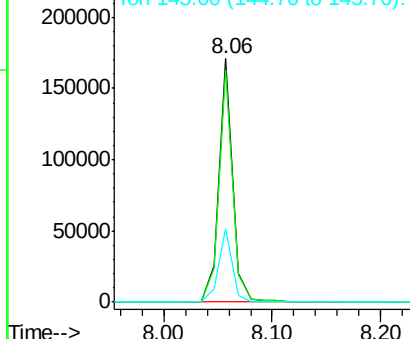
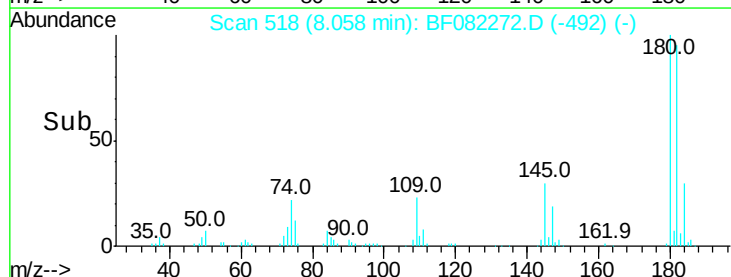


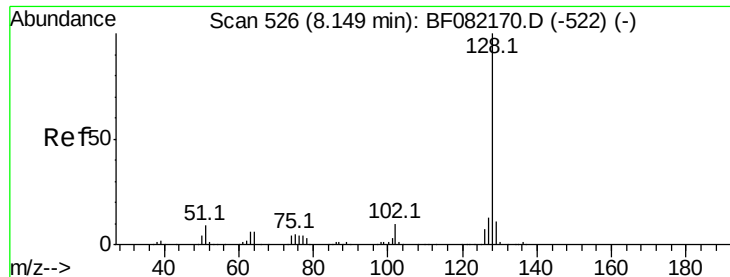
#30
 1,2,4-Trichlorobenzene
 Concen: 33.75 ng
 RT: 8.06 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion:	180	Resp:	152231
Ion Ratio	Lower	Upper	
180	100		
182	95.3	77.0	115.4
145	29.9	25.0	37.4



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





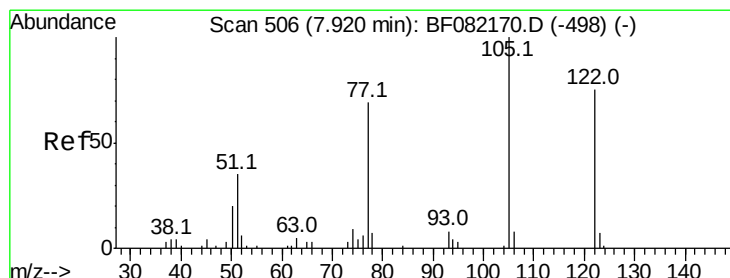
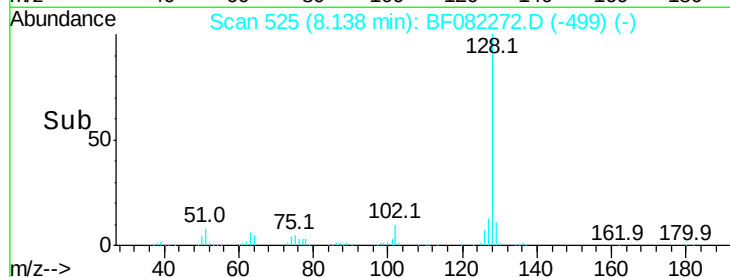
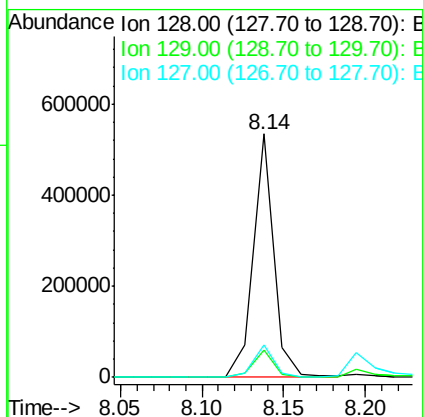
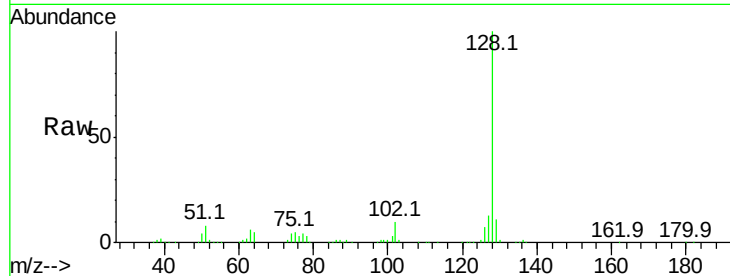
#31
Naphthalene
Concen: 35.91 ng
RT: 8.14 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.1	13.7	
127	13.4	10.7	16.1	

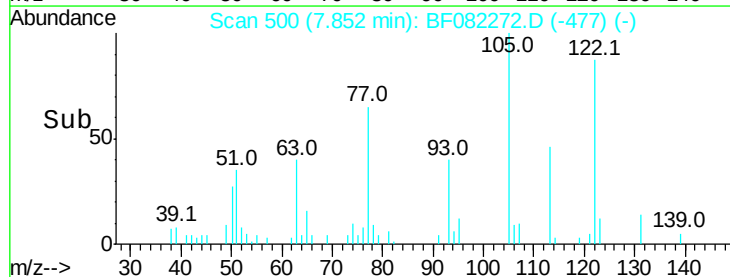
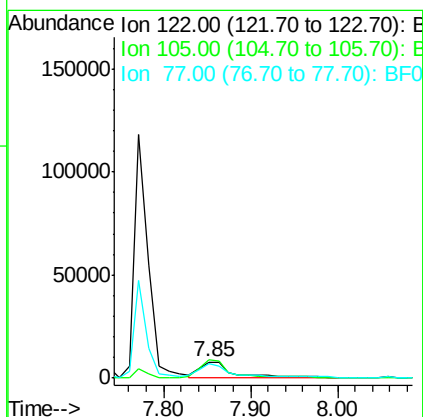
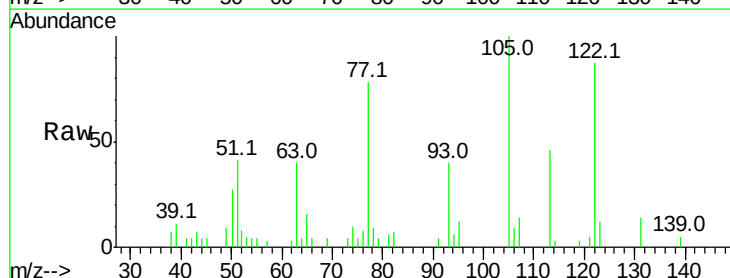
Manual Integrations
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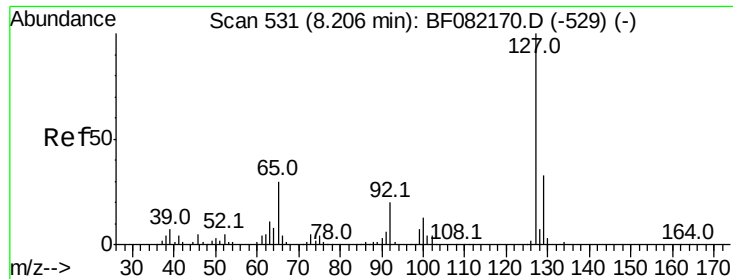
MMdadoda
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#32
Benzoic acid
Concen: 7.48 ng
RT: 7.85 min Scan# 500
Delta R.T. -0.03 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	114.8	104.4	144.4	
77	89.2	69.0	109.0	





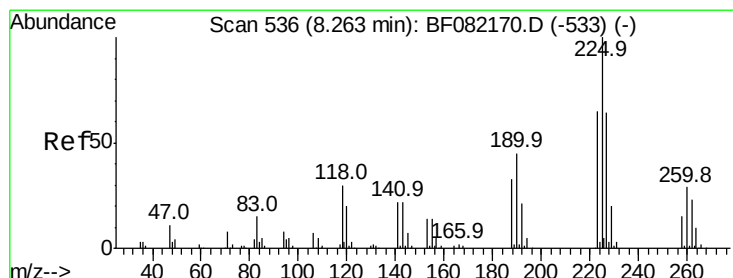
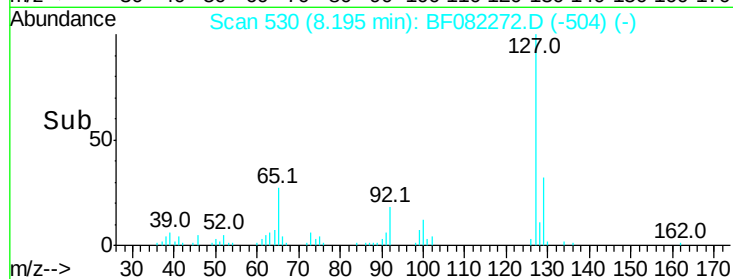
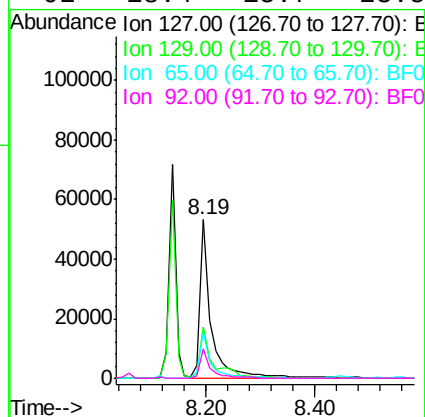
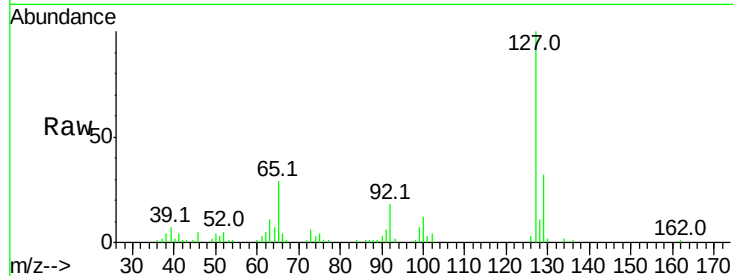
#33
4-Chloroaniline
Concen: 13.84 ng
RT: 8.19 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.3	39.5		
65	28.8	24.4	36.6		
92	18.4	15.7	23.5		

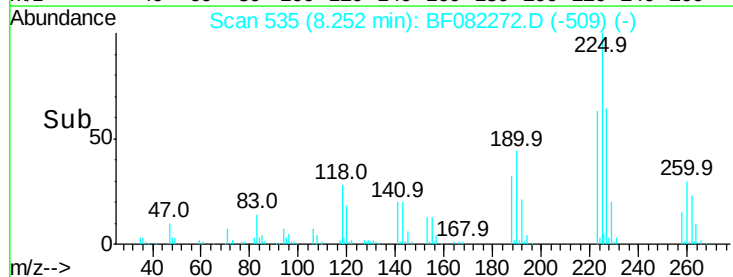
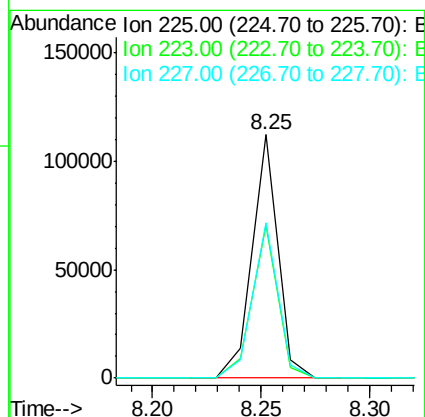
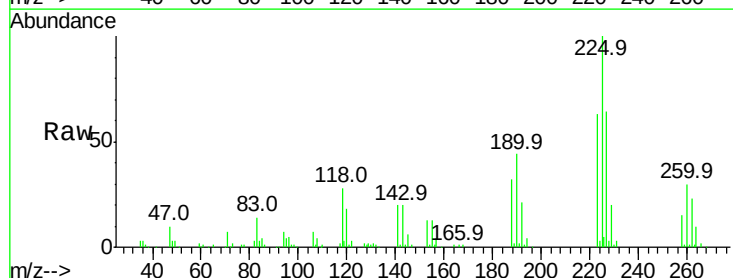
Manual Integrations
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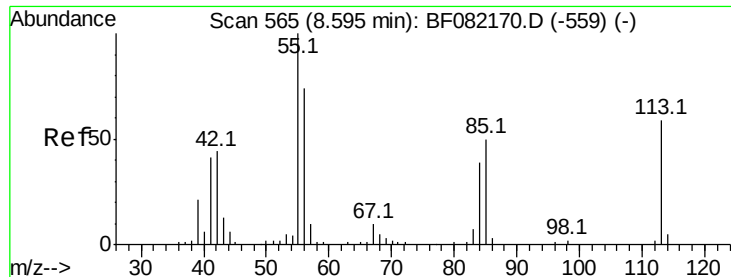
MMdadoda
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#34
Hexachlorobutadiene
Concen: 32.87 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	52.2	78.2		
227	63.9	51.3	76.9		





#35

Caprolactam

Concen: 35.55 ng

RT: 8.56 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

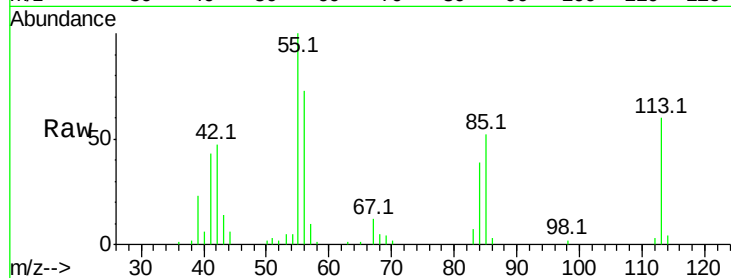
ClientSampleId :

UST-3MSD

Tot Ion:	113	Resp:	40367
Ion	Ratio	Lower	Upper
113	100		
55	167.5	149.7	189.7
56	122.5	105.4	145.4

Manual Integrations
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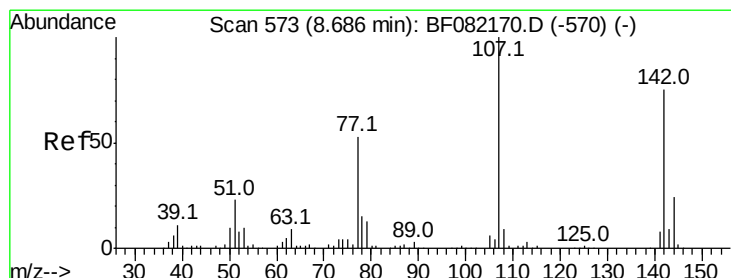
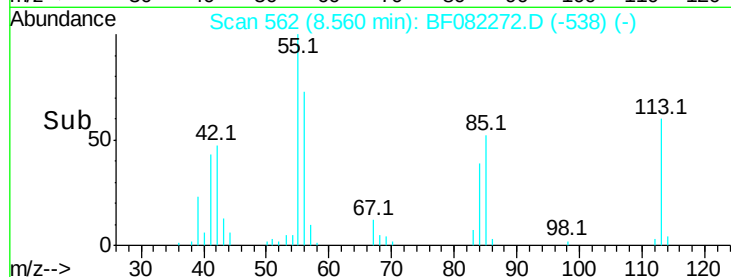
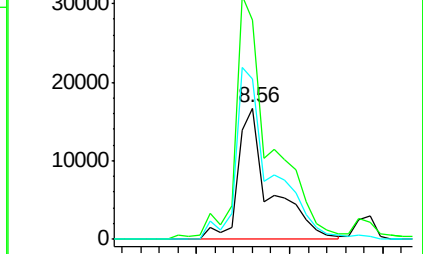
MMdadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 37.50 ng

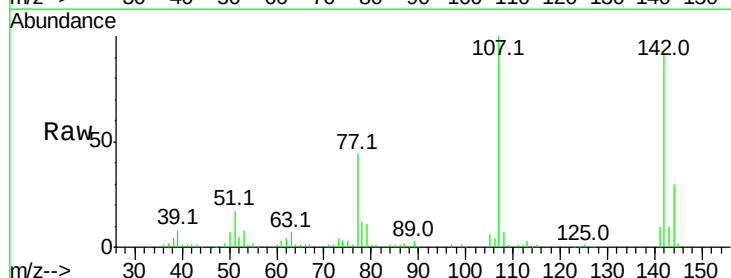
RT: 8.69 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

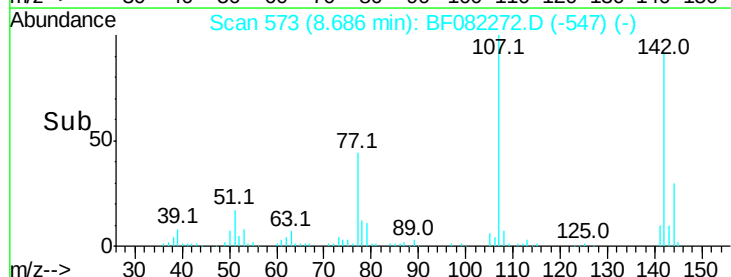
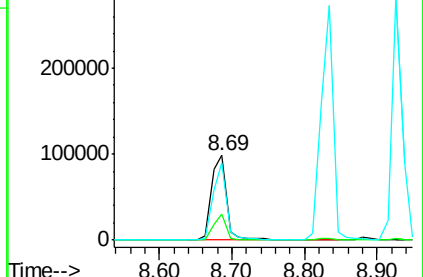
Tgt Ion:	107	Resp:	143500
Ion	Ratio	Lower	Upper
107	100		
144	30.0	19.3	28.9#
142	91.8	59.9	89.9#

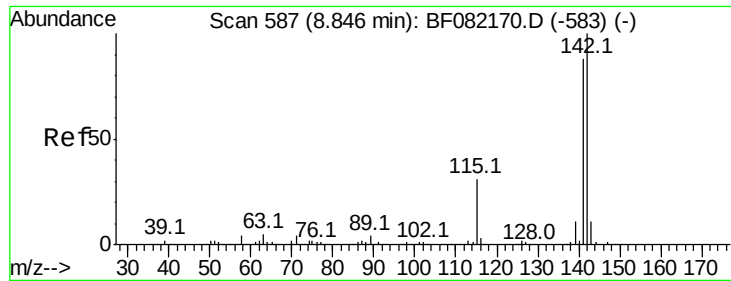


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





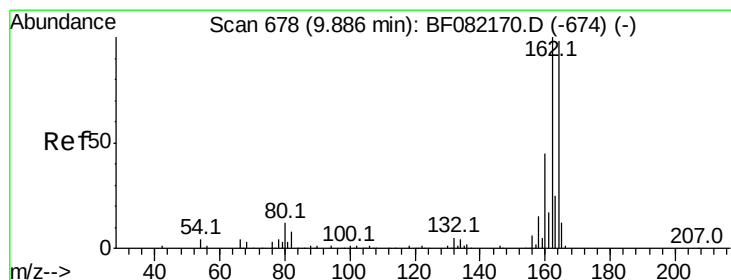
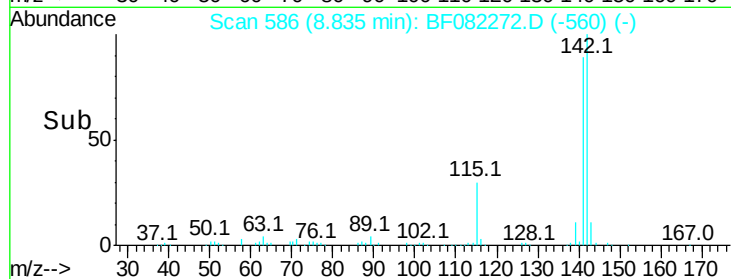
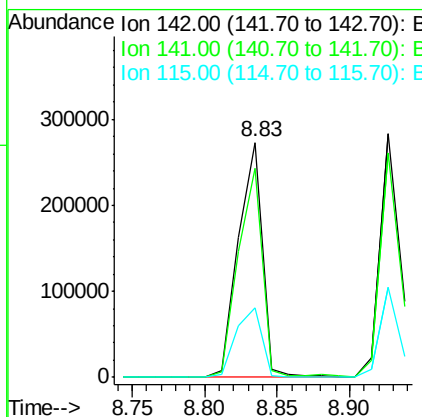
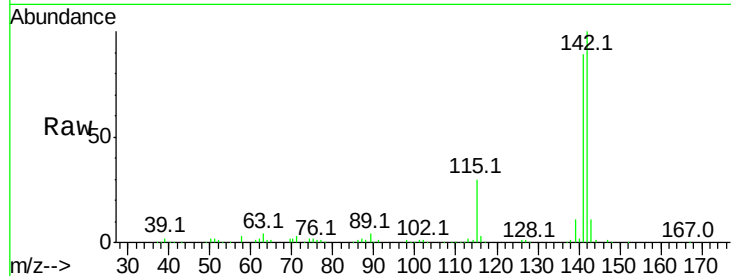
#37
2-Methylnaphthalene
Concen: 34.64 ng
RT: 8.83 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	314201		
141	89.1	70.4	105.6	
115	29.6	24.6	37.0	

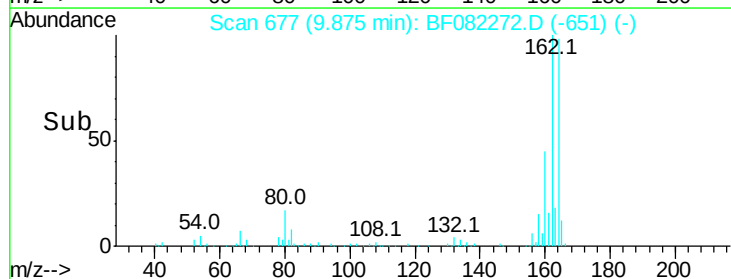
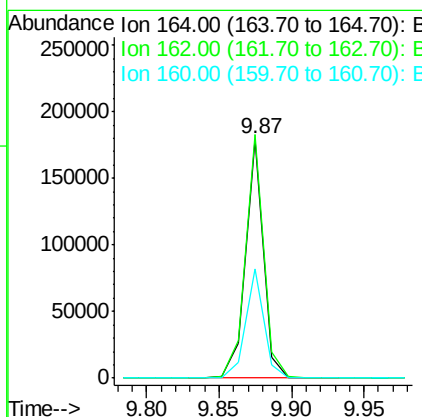
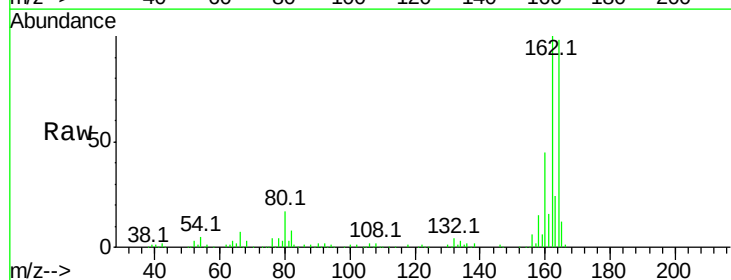
Manual Integrations
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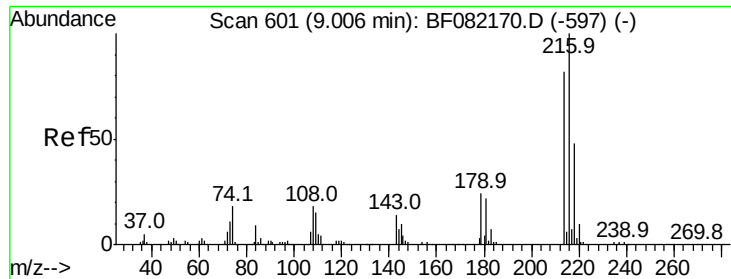
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153210		
162	101.9	81.6	122.4	
160	45.5	36.4	54.6	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.69 ng

RT: 8.99 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF082272.D

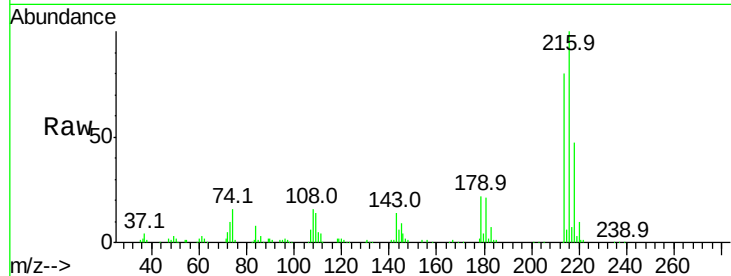
Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampleId :

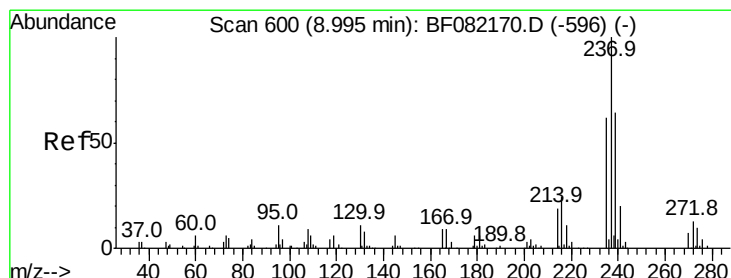
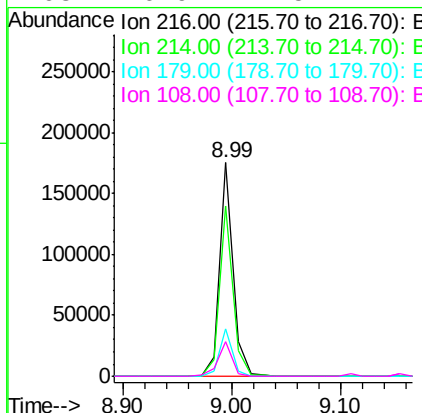
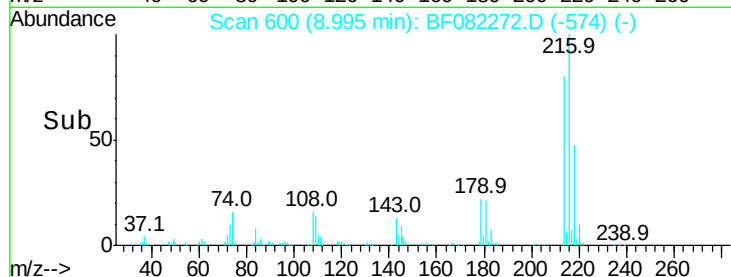
UST-3MSD



Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	64.6	97.0	
179	21.5	17.6	26.4	
108	16.9	14.5	21.7	

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 30.60 ng

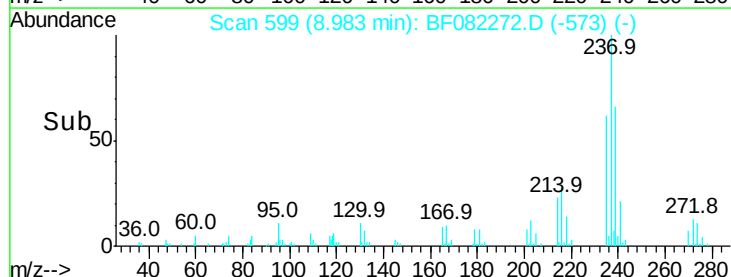
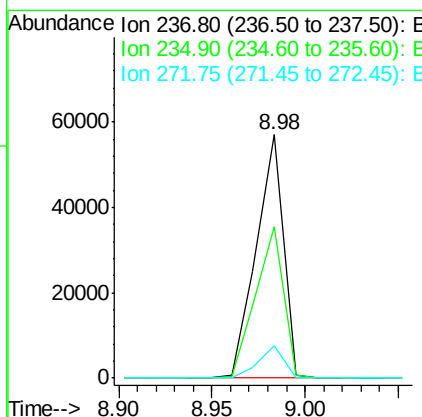
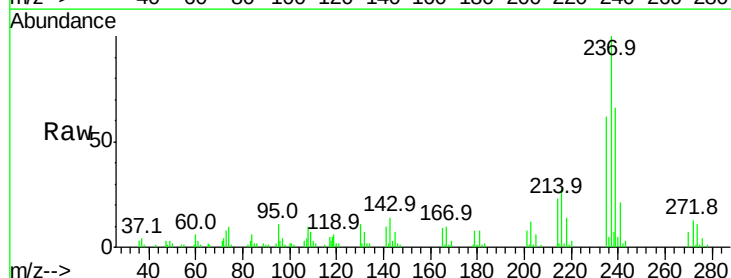
RT: 8.98 min Scan# 599

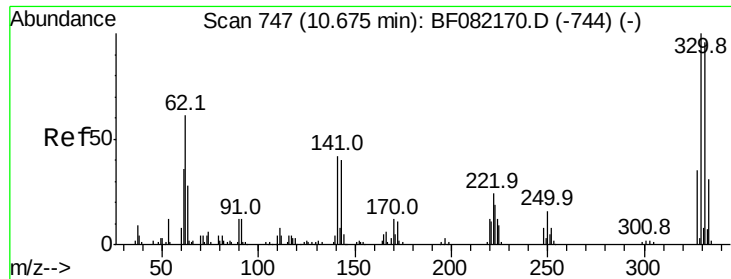
Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.3	41.7	81.7	
272	13.3	0.0	32.8	





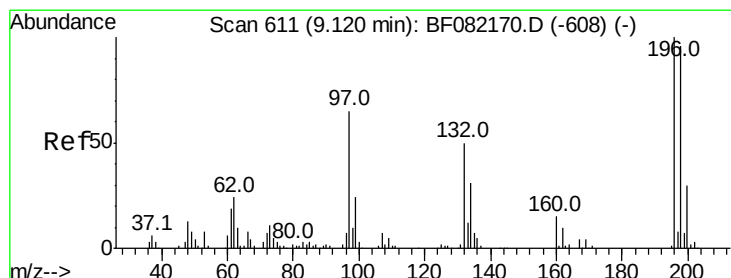
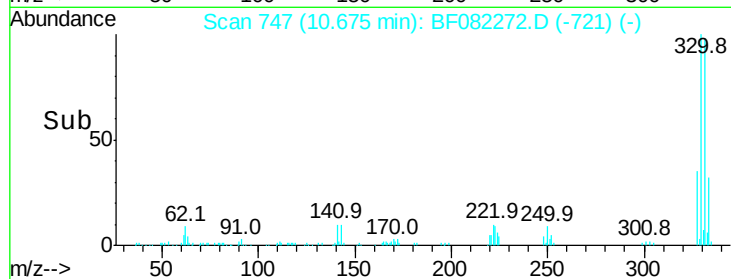
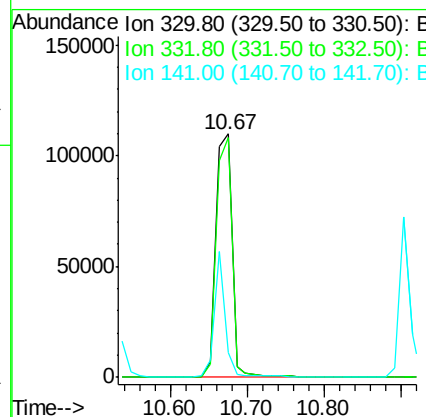
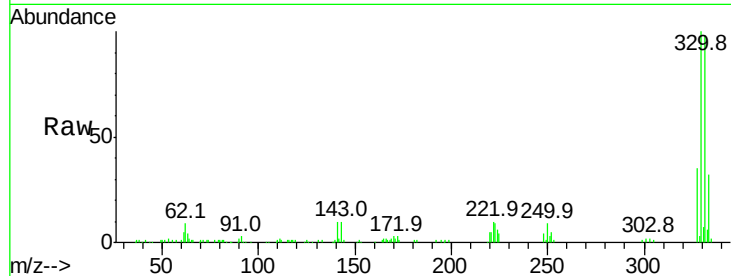
#41
 2,4,6-Tribromophenol
 Concen: 111.76 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	160583		
332	95.7	77.1	115.7	
141	34.0	29.8	44.8	

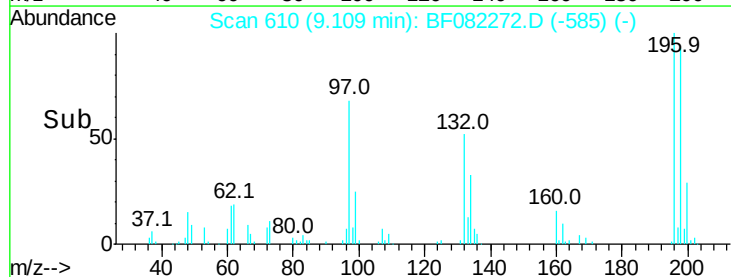
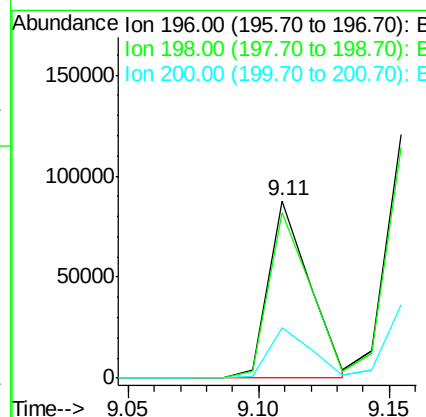
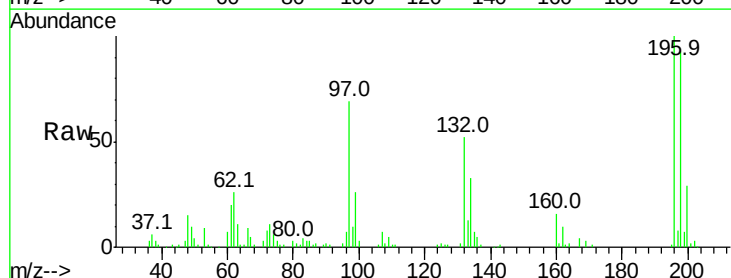
Manual Integrations
 APPROVED

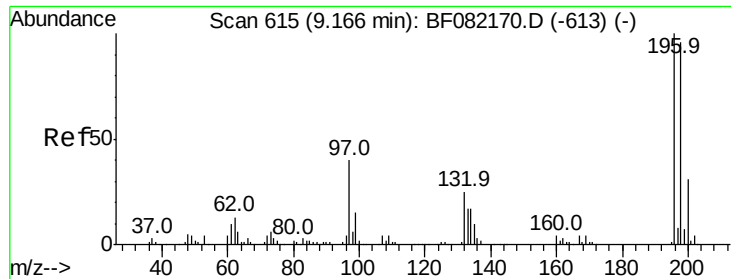
MMdadoda
 10/14/2015 3:51:25 PM



#42
 2,4,6-Trichlorophenol
 Concen: 31.84 ng
 RT: 9.11 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	96365		
198	93.0	76.6	115.0	
200	28.6	23.7	35.5	





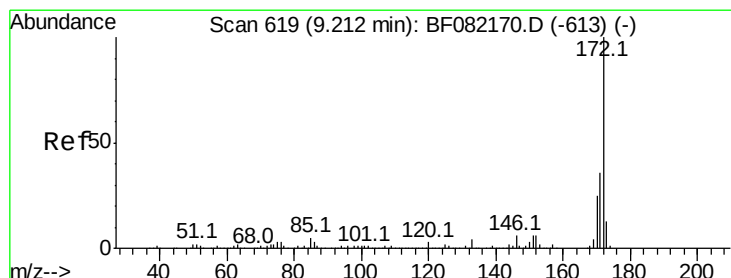
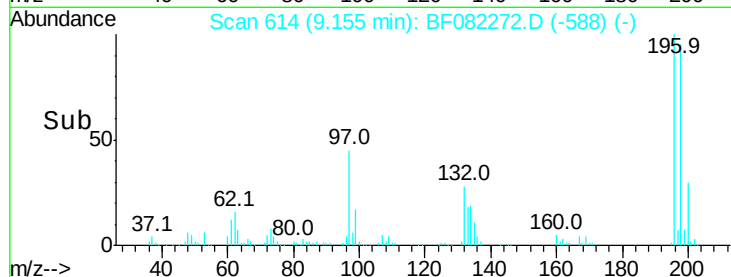
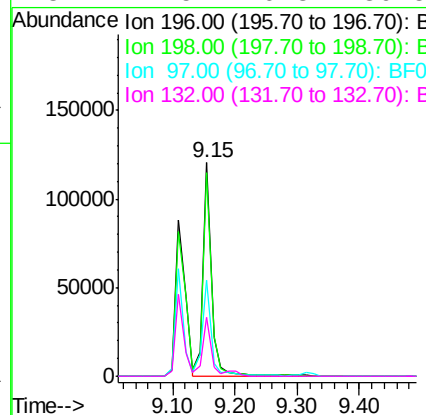
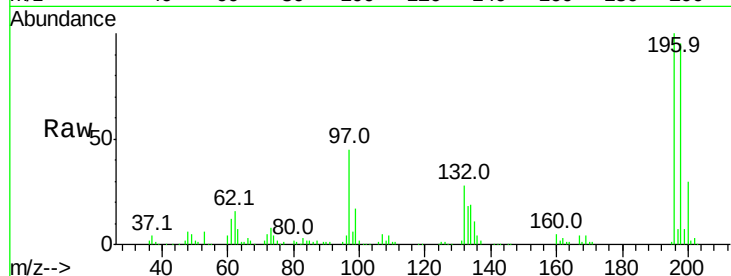
#43
 2,4,5-Trichlorophenol
 Concen: 36.18 ng
 RT: 9.15 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	118623		
198	95.0	77.0	115.4	
97	45.2	31.9	47.9	
132	27.5	20.3	30.5	

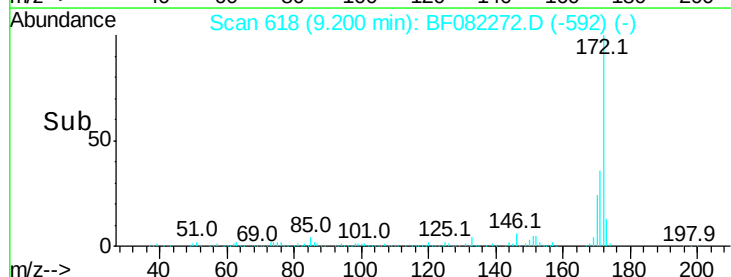
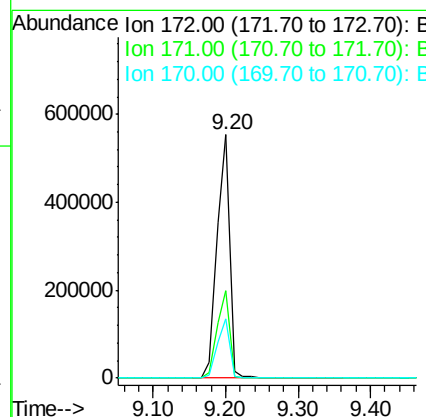
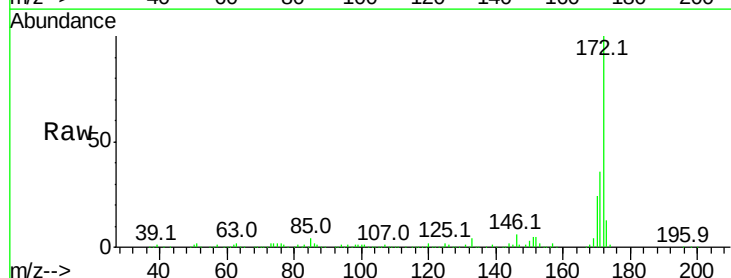
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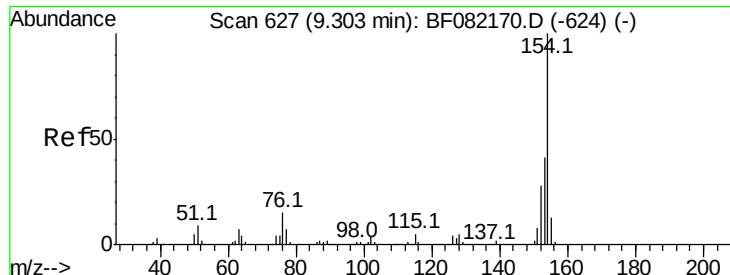
MMdadoda
 10/14/2015 3:51:25 PM



#44
 2-Fluorobiphenyl
 Concen: 72.20 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	667007		
171	35.9	28.6	42.8	
170	24.5	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 31.21 ng

RT: 9.29 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

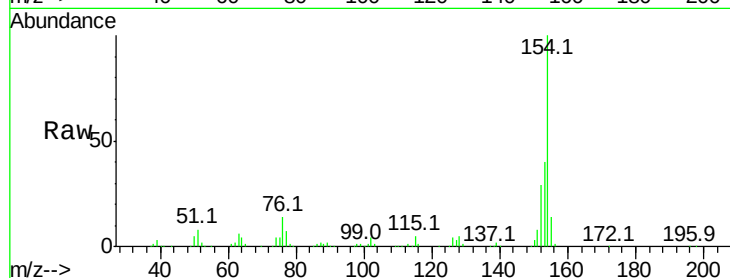
ClientSampleId :

UST-3MSD

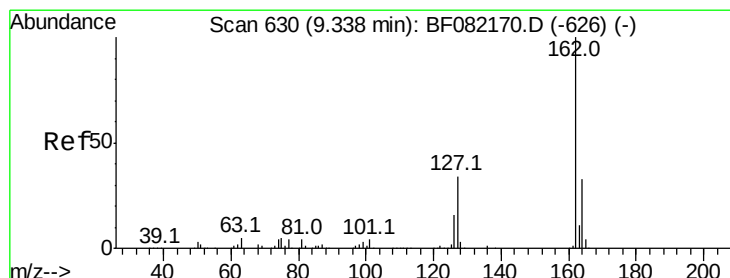
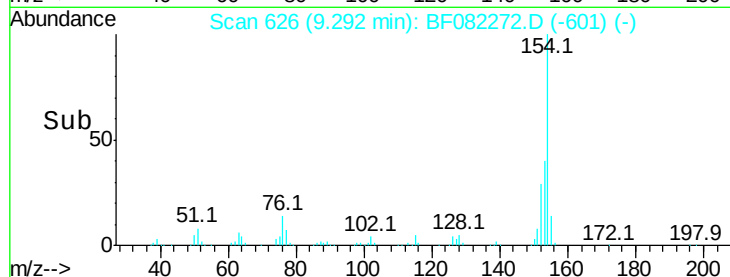
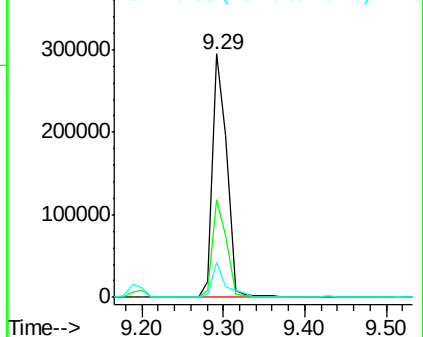
Tot Ion:	154	Resp:	364667
Ion Ratio	Lower	Upper	
154	100		
153	40.0	20.6	60.6
76	14.4	0.0	35.2

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



#46

2-Chloronaphthalene

Concen: 32.89 ng

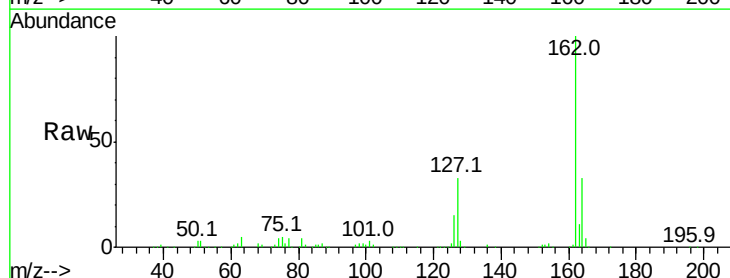
RT: 9.33 min Scan# 629

Delta R.T. 0.00 min

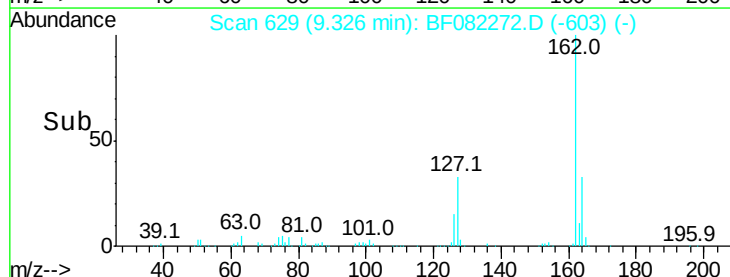
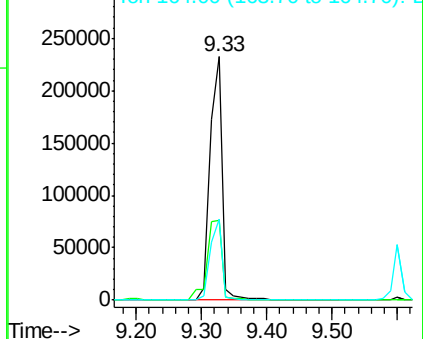
Lab File: BF082272.D

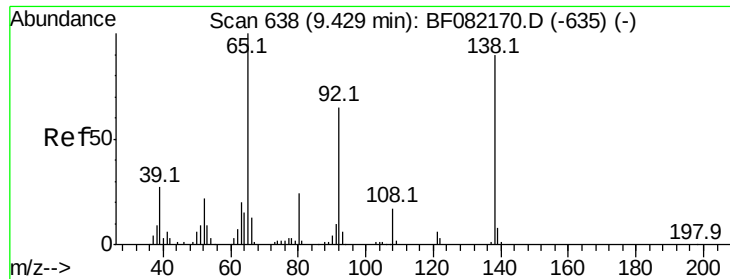
Acq: 13 Oct 2015 23:50

Tgt Ion:	162	Resp:	302450
Ion Ratio	Lower	Upper	
162	100		
127	32.8	27.5	41.3
164	33.3	26.6	39.8



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





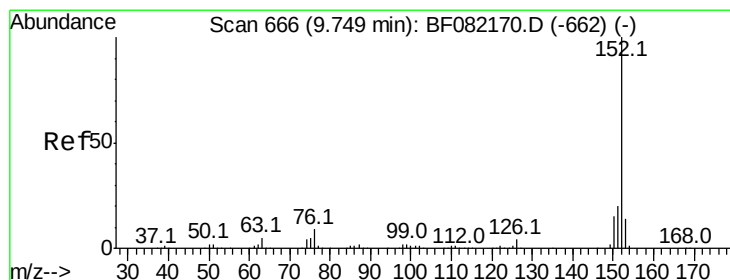
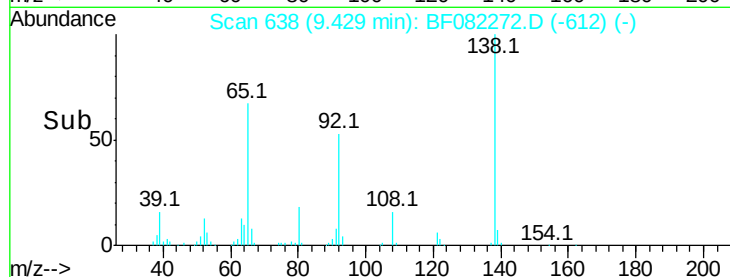
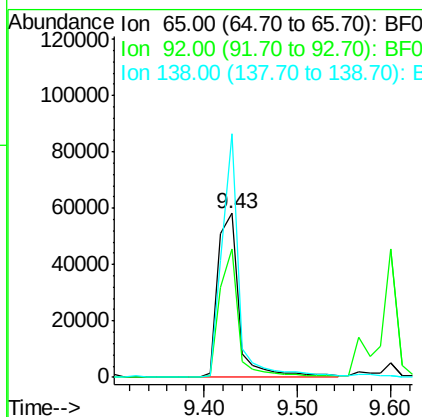
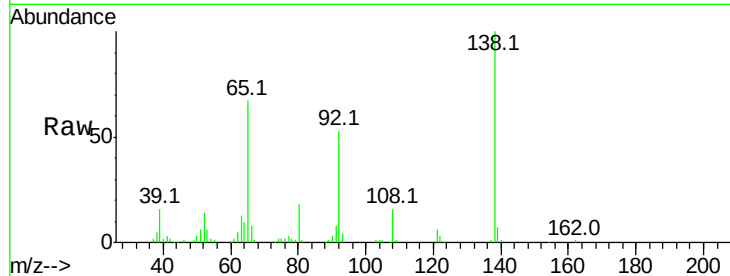
#47
2-Nitroaniline
Concen: 36.57 ng
RT: 9.43 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	78.6	52.3	78.5#
138	148.4	72.2	108.4#

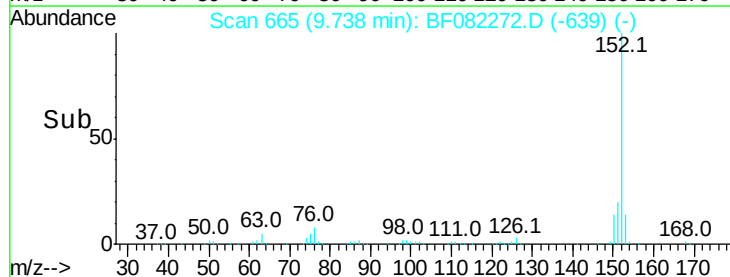
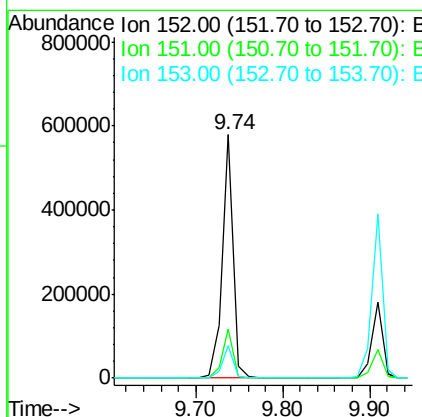
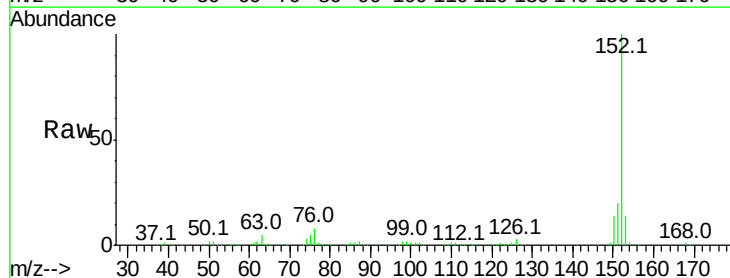
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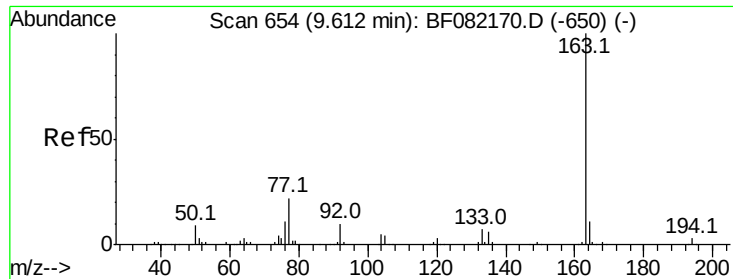
MMdadoda
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#48
Acenaphthylene
Concen: 35.97 ng
RT: 9.74 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.4	24.6
153	13.5	10.8	16.2





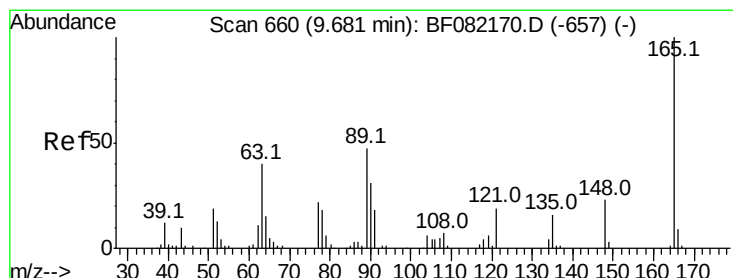
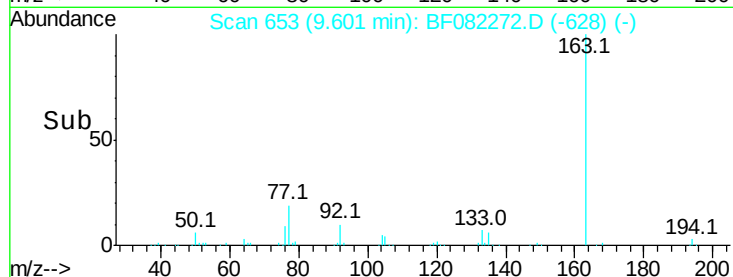
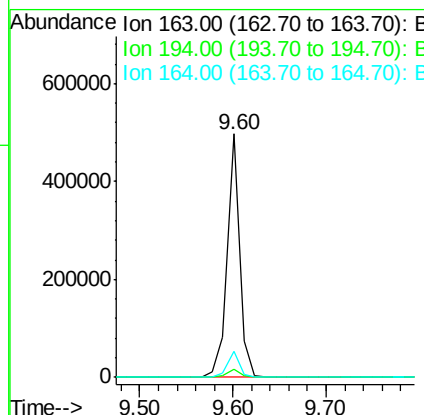
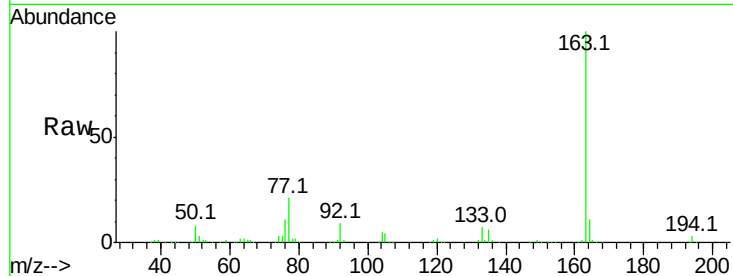
#49
Dimethylphthalate
Concen: 42.81 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.7	8.5	12.7

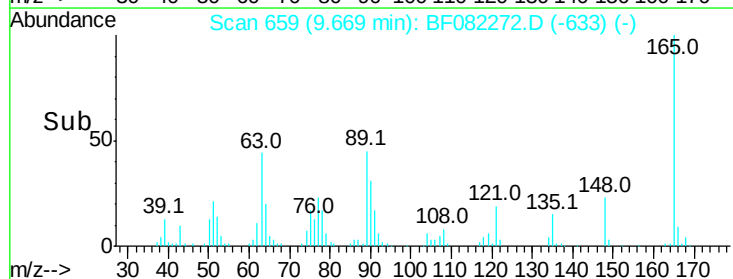
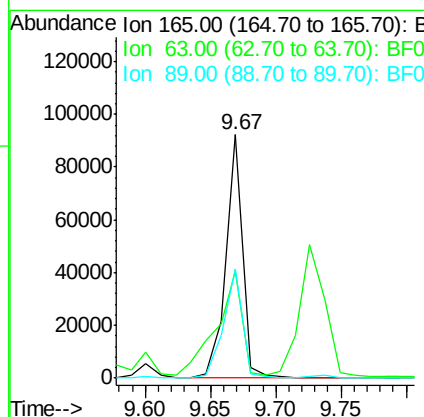
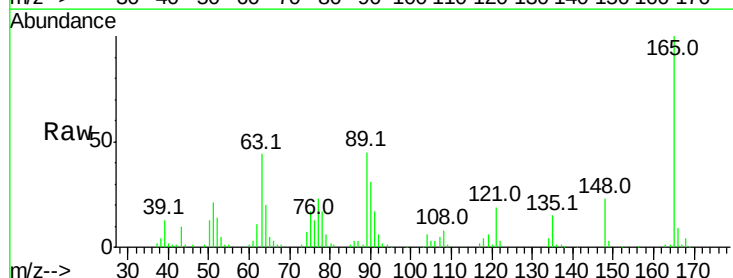
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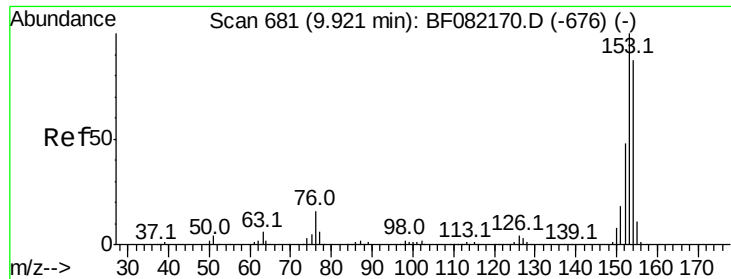
MMdadoda
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#50
2,6-Dinitrotoluene
Concen: 36.61 ng
RT: 9.67 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	43.9	36.7	55.1
89	44.8	37.8	56.6





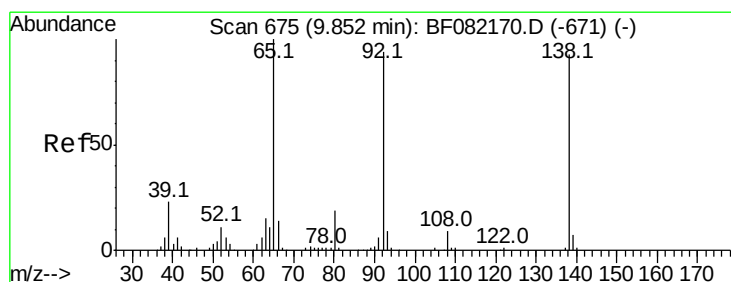
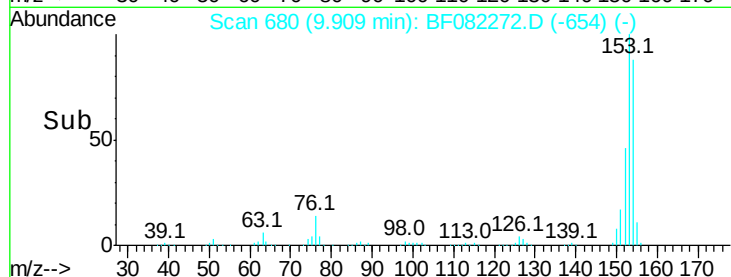
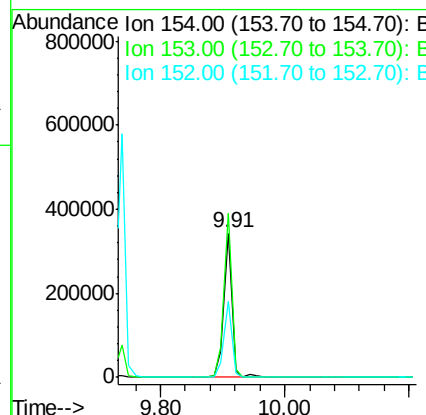
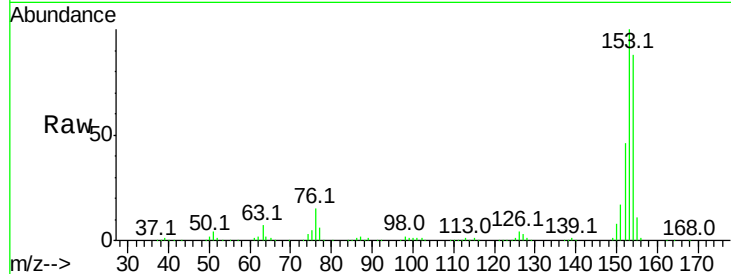
#51
Acenaphthene
Concen: 35.60 ng
RT: 9.91 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100	306187		
153	114.1	91.4	137.2	
152	52.5	44.3	66.5	

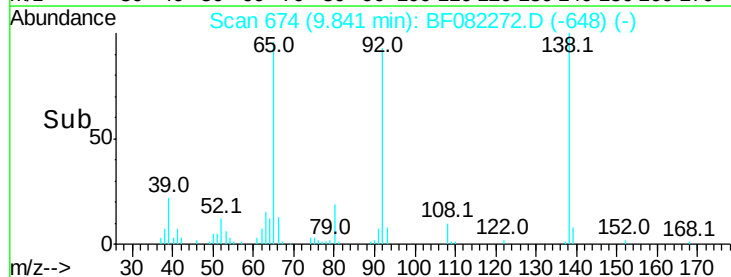
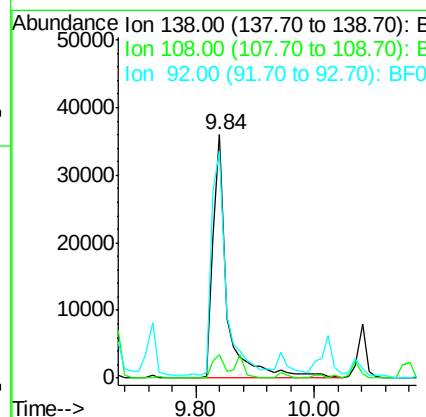
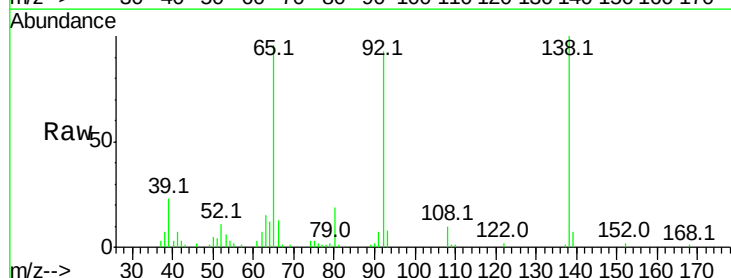
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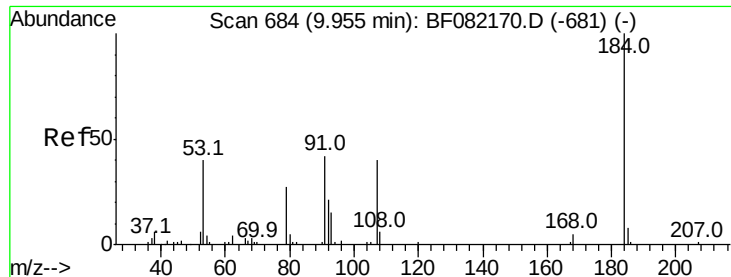
MMdadoda
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#52
3-Nitroaniline
Concen: 23.20 ng
RT: 9.84 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	59655		
108	9.6	7.4	11.0	
92	93.2	81.3	121.9	





#53

2,4-Dinitrophenol

Concen: 18.13 ng

RT: 9.94 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampleId :

UST-3MSD

Tot Ion:184 Resp: 16227
Ion Ratio Lower Upper

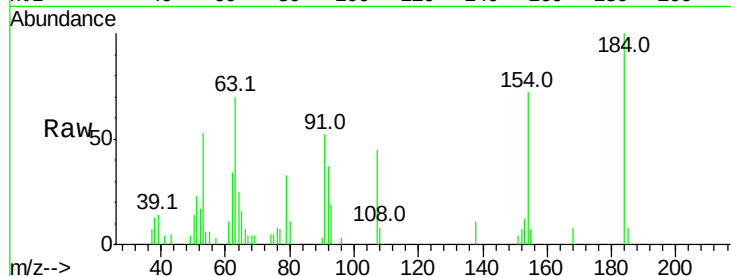
184 100

63 69.8 45.1 67.7#

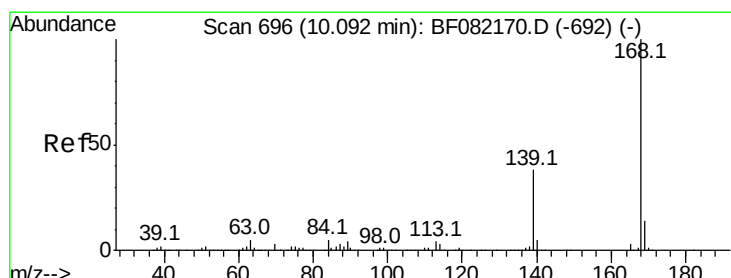
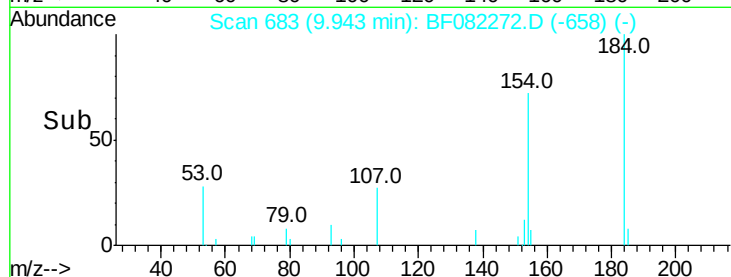
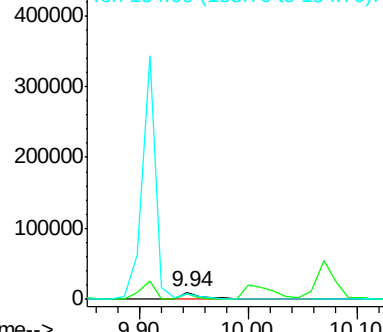
154 72.4 51.2 76.8

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 36.73 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF082272.D

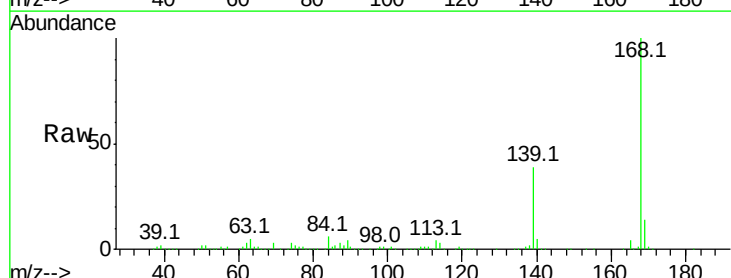
Acq: 13 Oct 2015 23:50

Tgt Ion:168 Resp: 433672
Ion Ratio Lower Upper

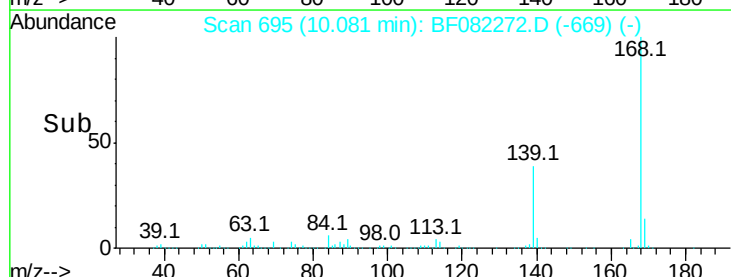
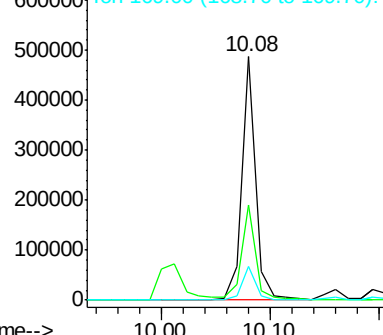
168 100

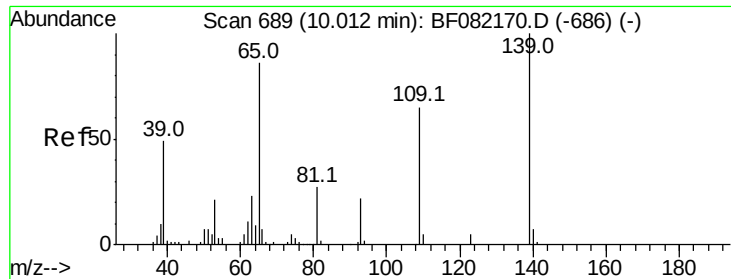
139 38.9 31.0 46.6

169 13.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 69.66 ng

RT: 10.01 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

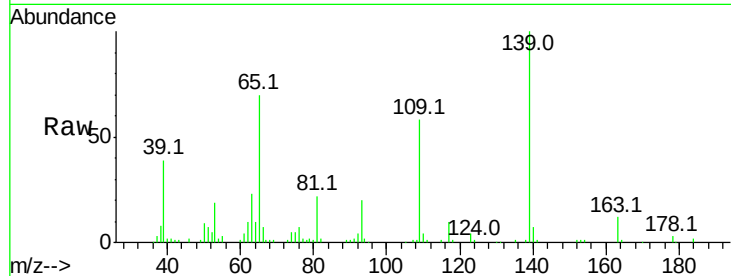
ClientSampleId :

UST-3MSD

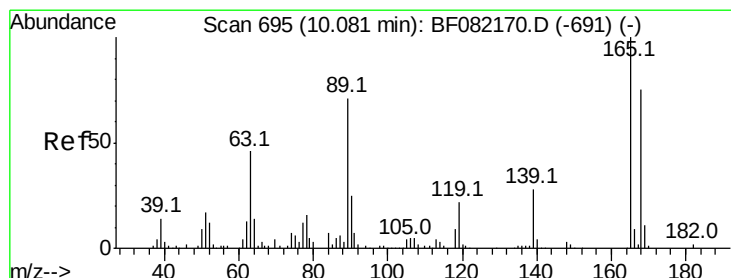
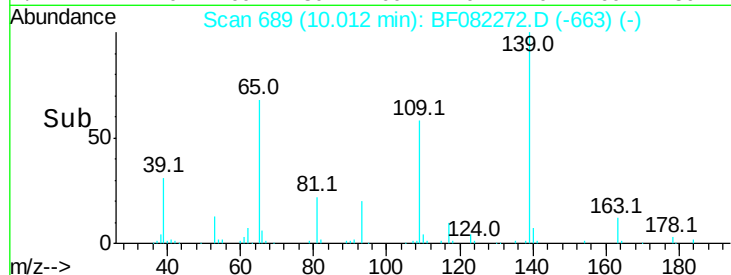
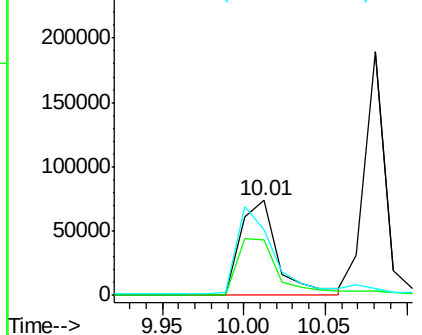
Tot Ion:	139	Resp:	117340
Ion Ratio	Lower	Upper	
139	100		
109	57.9	44.8	84.8
65	69.7	67.7	107.7

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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



#56

2,4-Dinitrotoluene

Concen: 36.32 ng

RT: 10.07 min Scan# 694

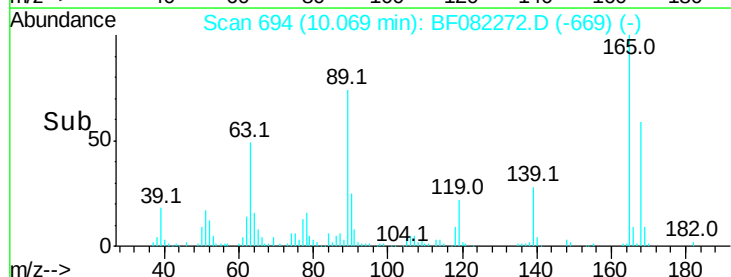
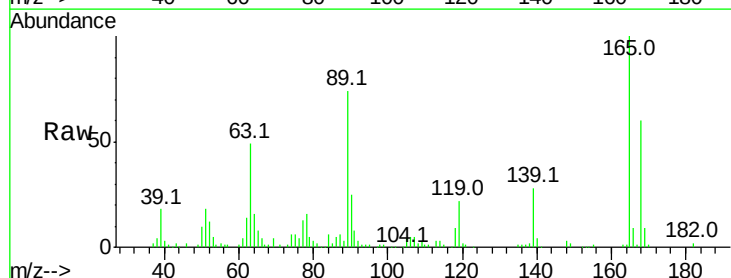
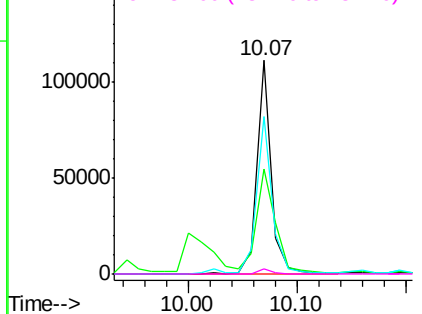
Delta R.T. -0.01 min

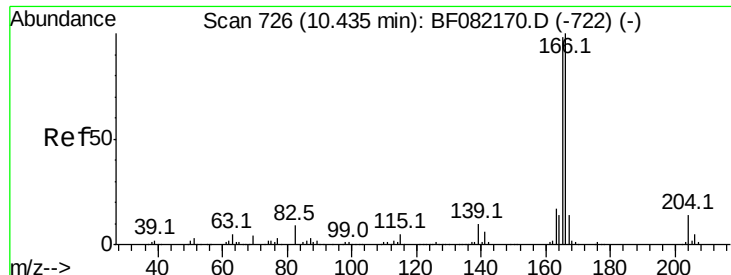
Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	165	Resp:	103345
Ion Ratio	Lower	Upper	
165	100		
63	49.2	38.6	58.0
89	74.0	57.0	85.6
182	2.4	1.8	2.6

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





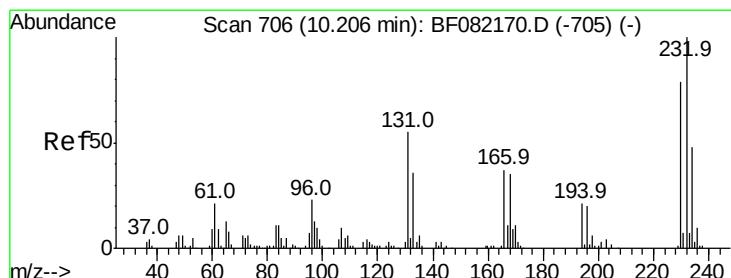
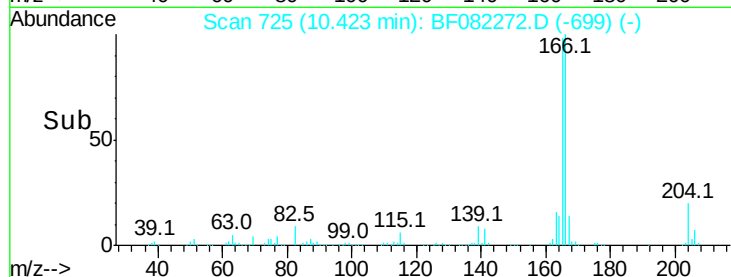
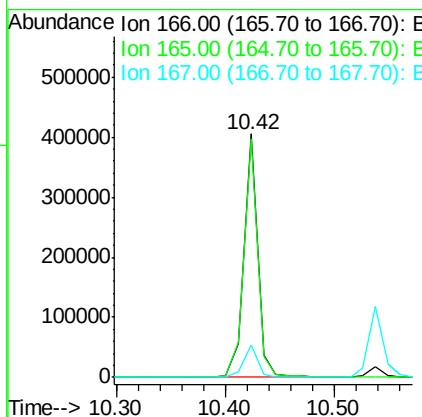
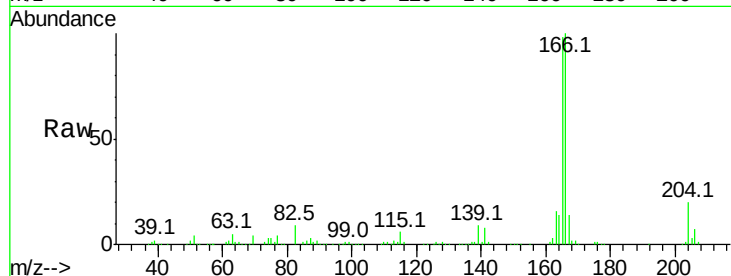
#57
Fluorene
Concen: 36.36 ng
RT: 10.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	352638		
165	98.1	78.3	117.5	
167	13.6	10.8	16.2	

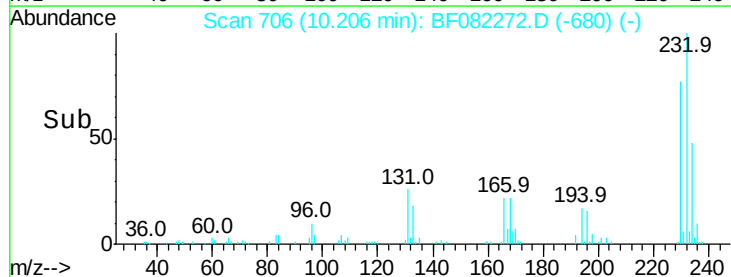
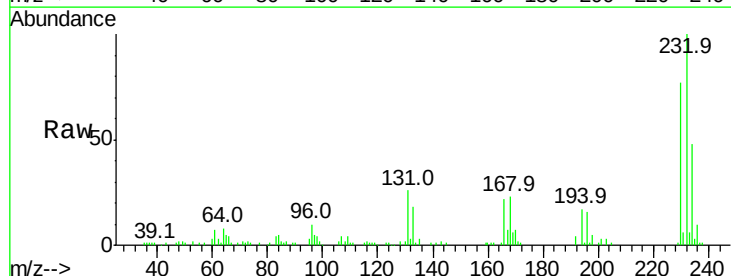
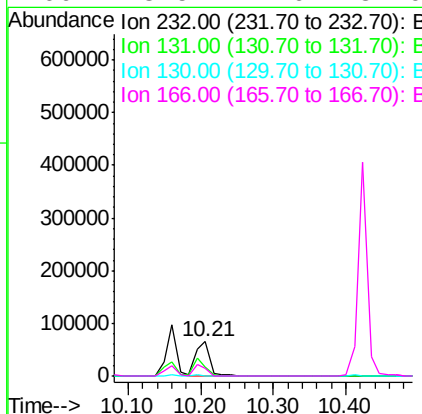
Manual Integrations
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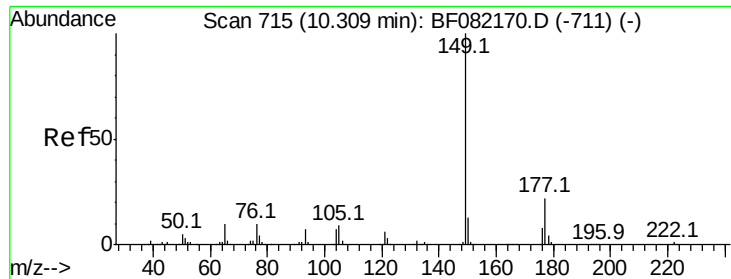
MMdadoda
10/14/2015 3:51:25 PM



#58
2,3,4,6-Tetrachlorophenol
Concen: 33.92 ng
RT: 10.21 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	90881		
131	39.7	36.6	54.8	
130	2.1	1.5	2.3	
166	28.5	24.6	37.0	





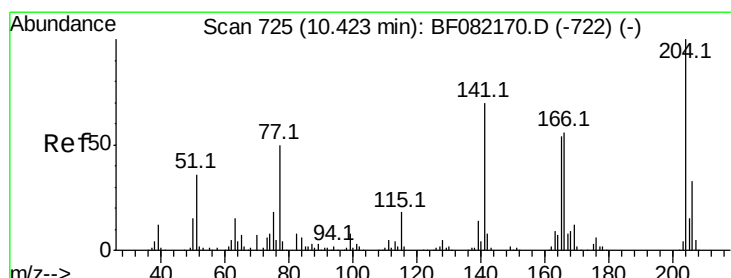
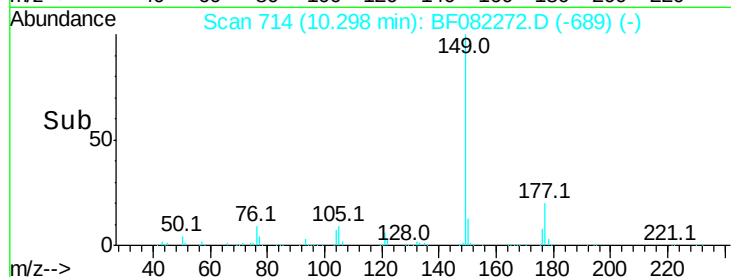
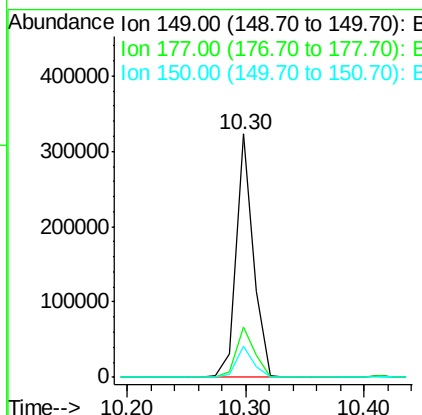
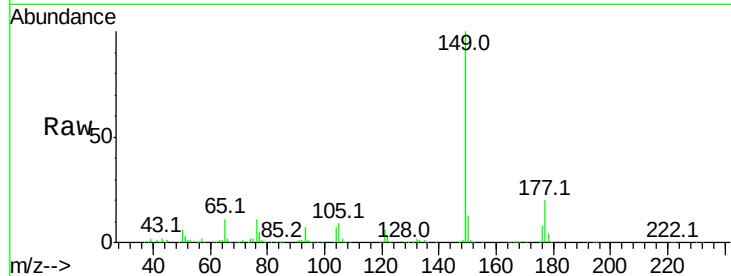
#59
Diethylphthalate
Concen: 32.34 ng
RT: 10.30 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	325264		
177	20.4		17.6	26.4
150	12.7		10.3	15.5

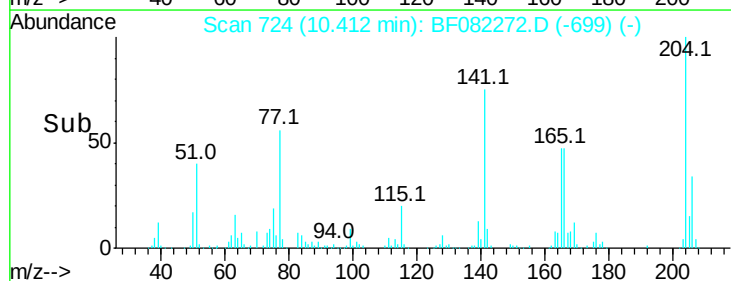
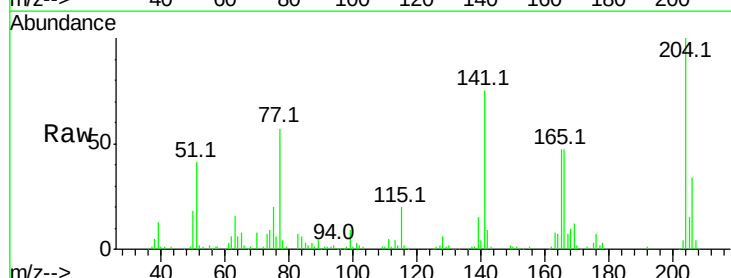
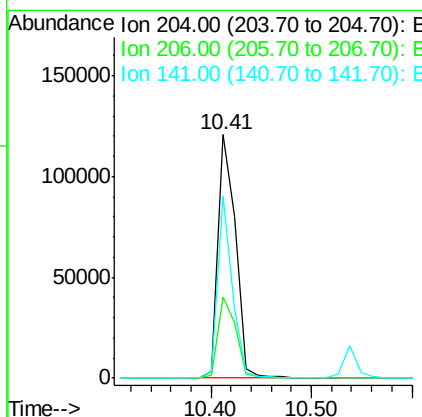
Manual Integrations
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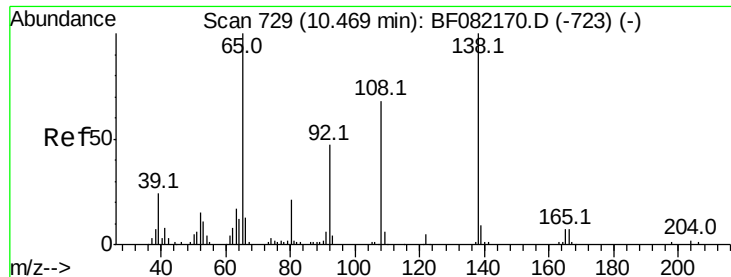
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#60
4-Chlorophenyl-phenylether
Concen: 32.96 ng
RT: 10.41 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	146449		
206	33.5		26.8	40.2
141	74.6		56.1	84.1





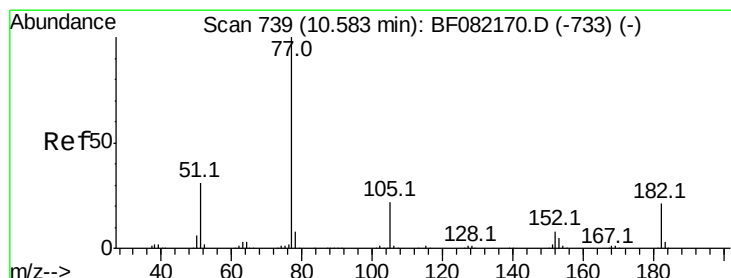
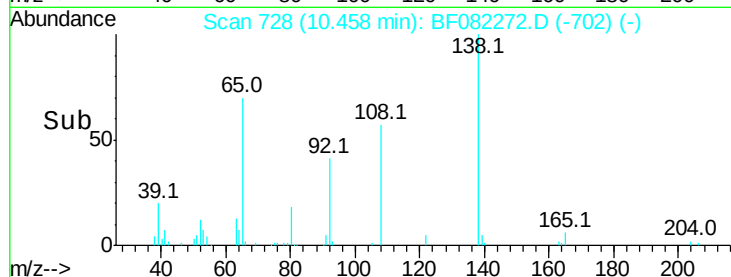
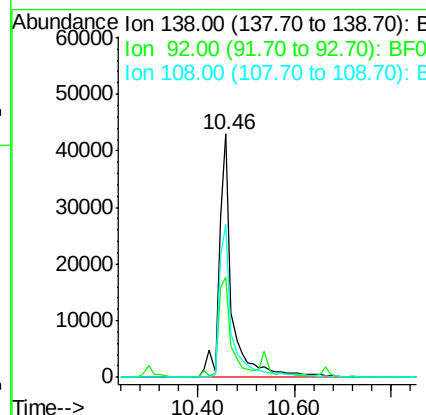
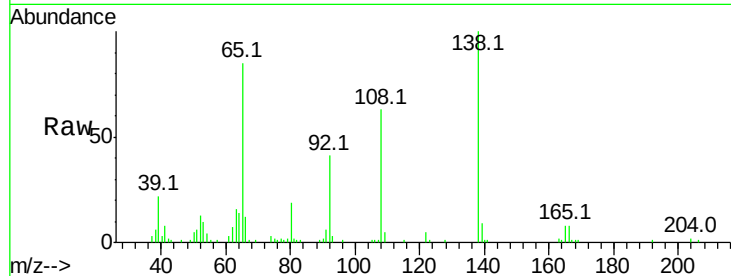
#61
4-Nitroaniline
Concen: 32.23 ng
RT: 10.46 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion:	138	Resp:	80390
Ion Ratio	Lower	Upper	
138	100		
92	41.4	26.8	66.8
108	62.6	48.4	88.4

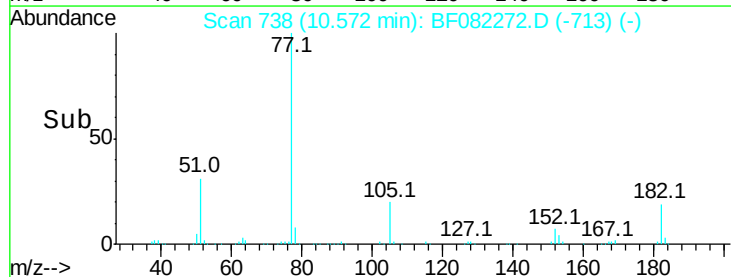
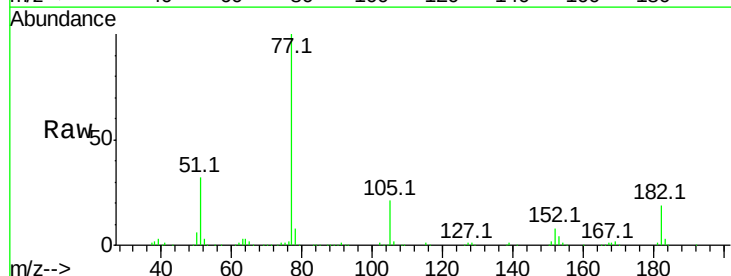
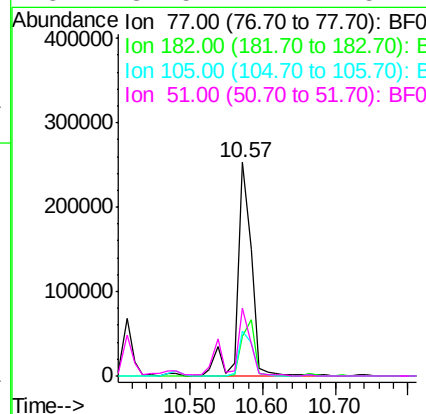
Manual Integrations
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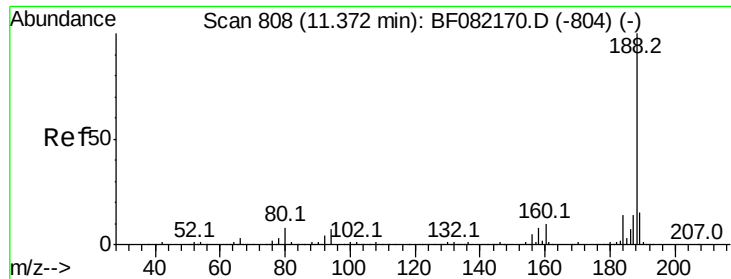
MMdadoda
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#62
Azobenzene
Concen: 33.75 ng
RT: 10.57 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion:	77	Resp:	332203
Ion Ratio	Lower	Upper	
77	100		
182	18.6	0.5	40.5
105	21.0	1.8	41.8
51	31.5	11.2	51.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

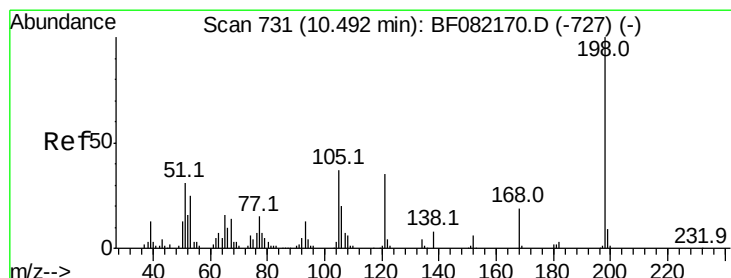
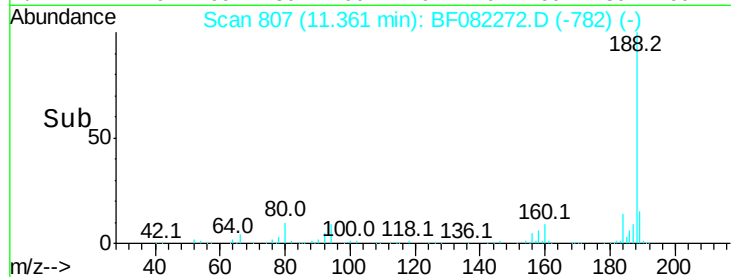
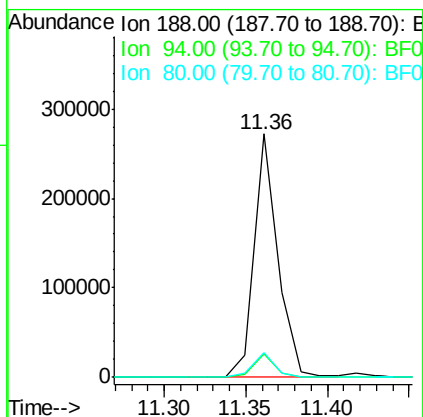
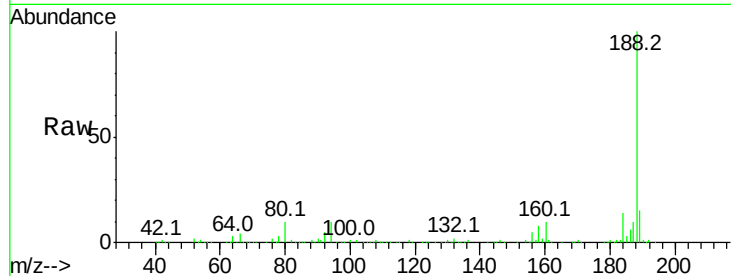
ClientSampleId :

UST-3MSD

Tot Ion:	188	Resp:	276486
Ion Ratio	Lower	Upper	
188	100		
94	9.6	5.8	8.6#
80	10.0	6.4	9.6#

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 11.74 ng

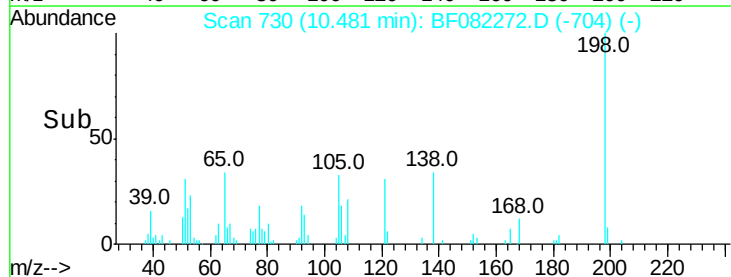
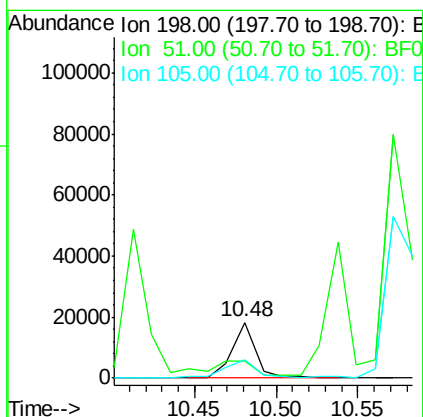
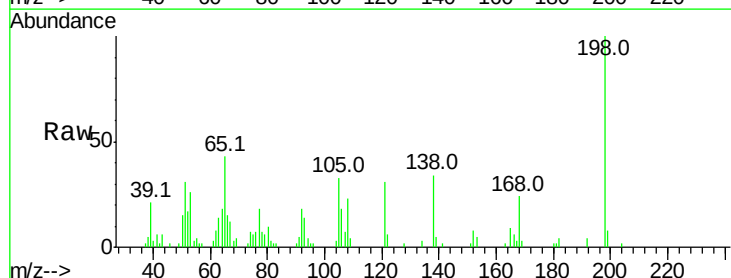
RT: 10.48 min Scan# 730

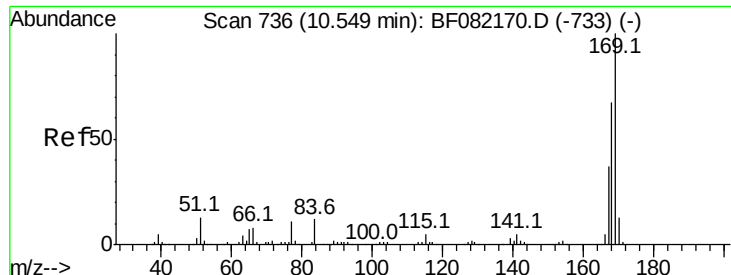
Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	198	Resp:	18220
Ion Ratio	Lower	Upper	
198	100		
51	31.1	13.6	53.6
105	33.2	17.1	57.1





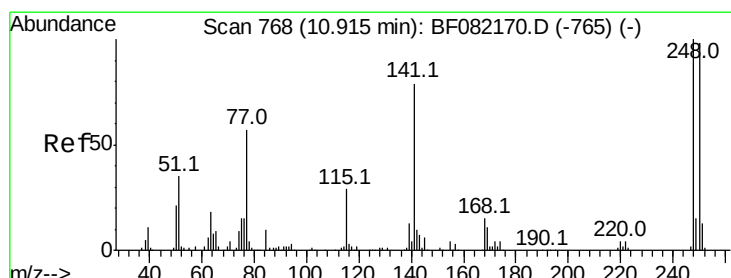
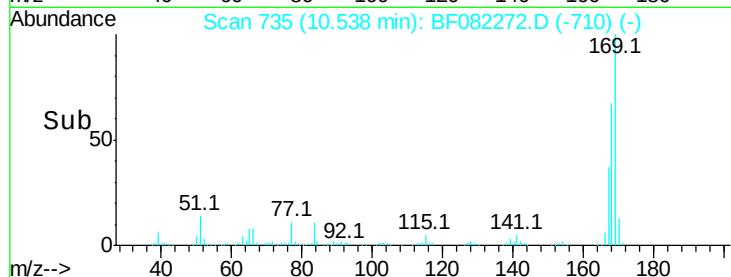
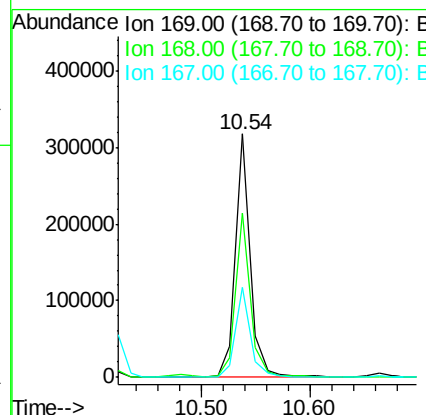
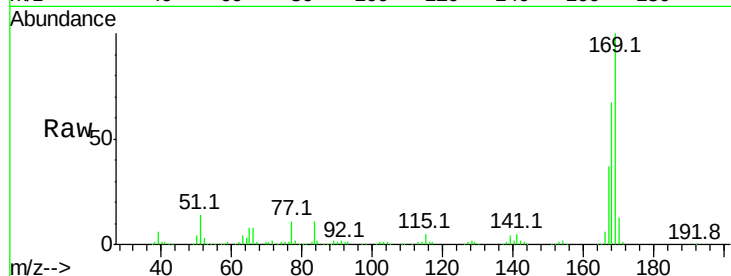
#65
n-Nitrosodiphenylamine
Concen: 36.11 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	67.5	54.0	81.0	
167	37.2	29.6	44.4	

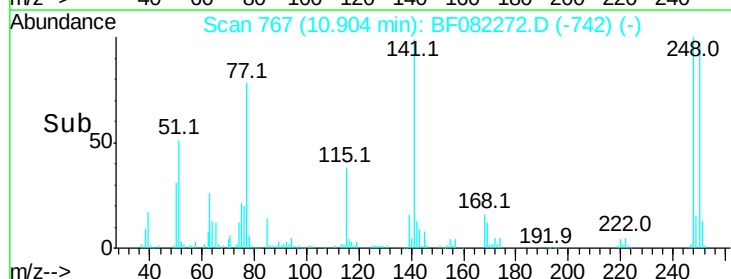
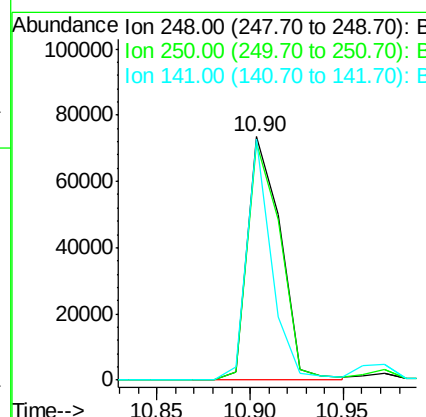
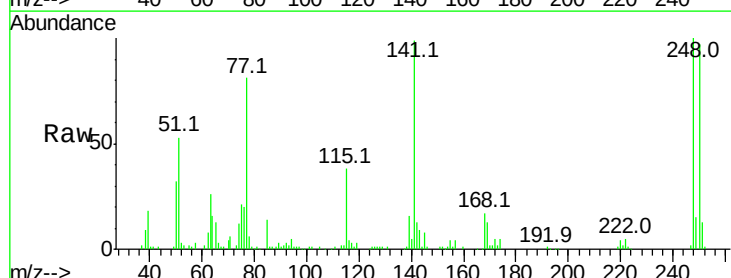
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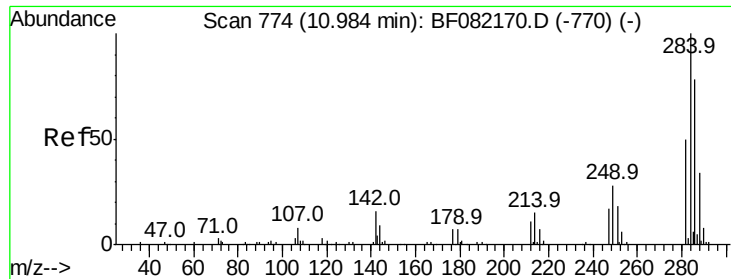
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#66
4-Bromophenyl-phenylether
Concen: 32.53 ng
RT: 10.90 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	97.3	78.6	117.8	
141	98.8	63.3	94.9	





#67

Hexachlorobenzene

Concen: 35.96 ng

RT: 10.97 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

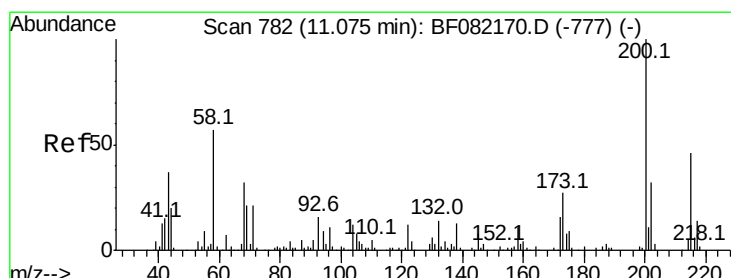
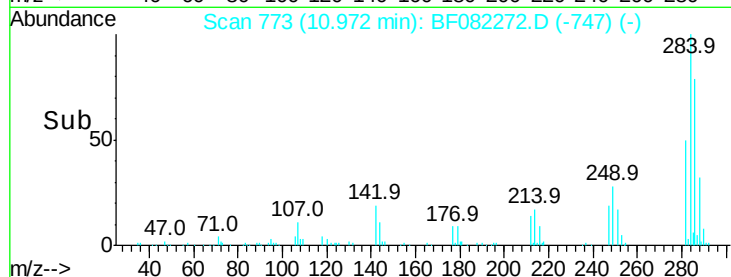
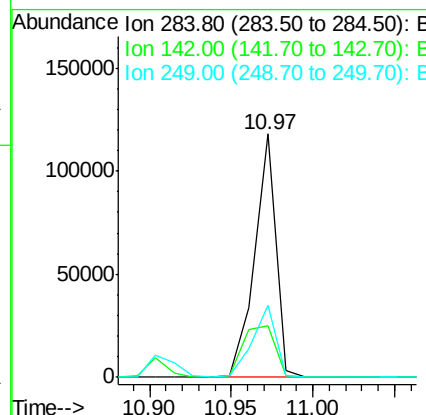
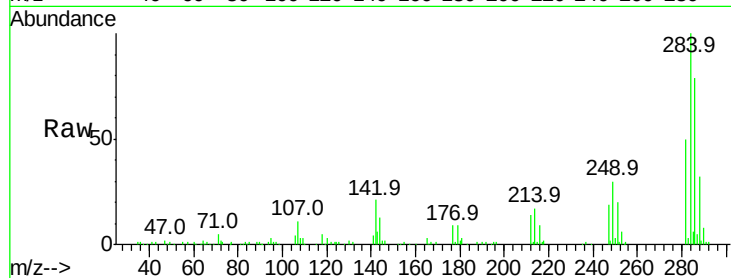
ClientSampleId :

UST-3MSD

Tot Ion:	284	Resp:	107627
Ion Ratio		Lower	Upper
284	100		
142	21.0	13.0	19.6#
249	29.7	22.5	33.7

Manual Integrations
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#68

Atrazine

Concen: 34.98 ng

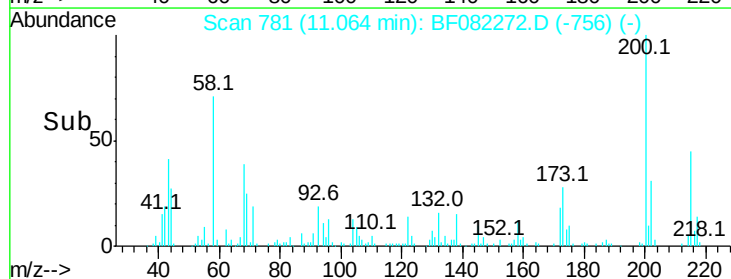
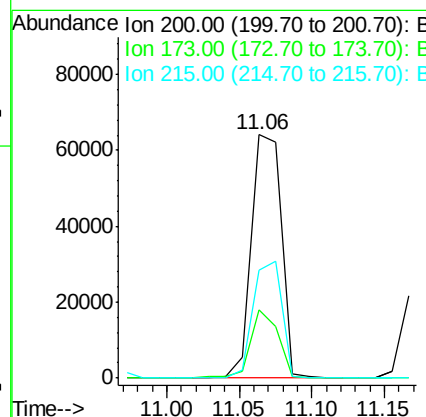
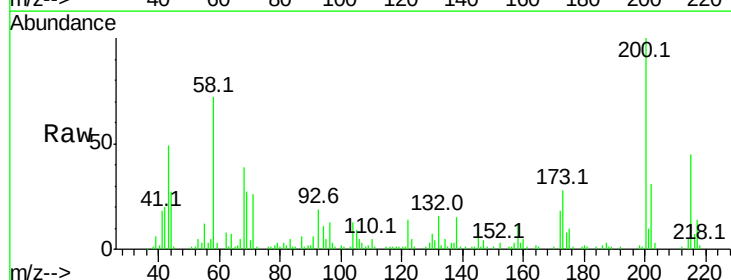
RT: 11.06 min Scan# 781

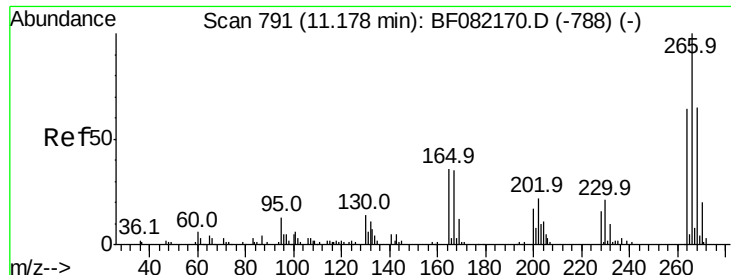
Delta R.T. -0.01 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	200	Resp:	91736
Ion Ratio		Lower	Upper
200	100		
173	27.8	7.3	47.3
215	44.5	26.2	66.2





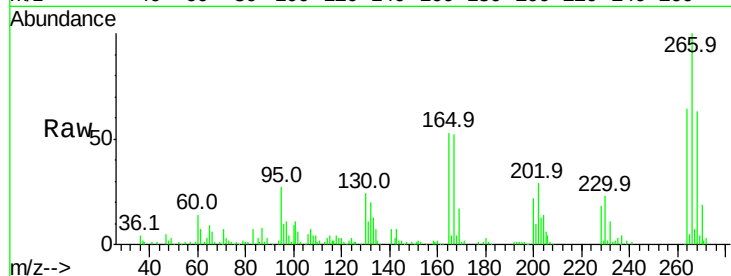
#69
 Pentachlorophenol
 Concen: 71.84 ng
 RT: 11.17 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

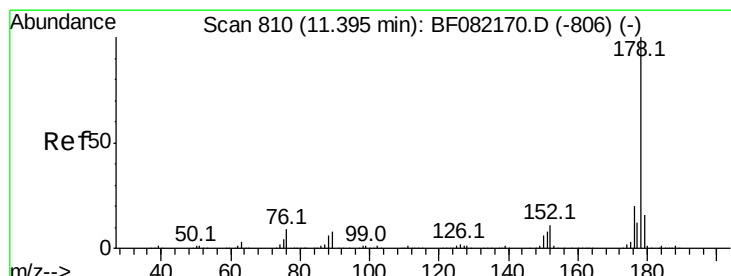
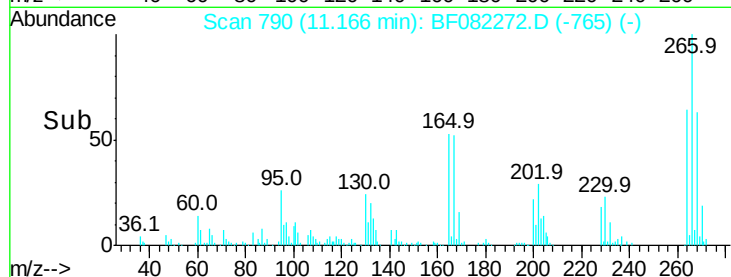
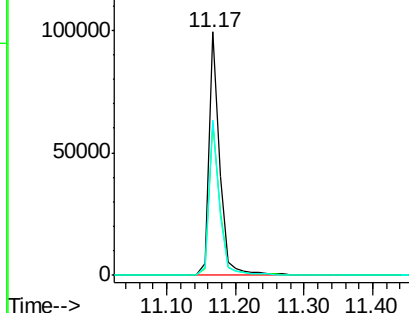
Tot Ion	Ratio	Resp	Lower	Upper
266	100	110623		
268	62.7	52.0	78.0	
264	63.6	51.4	77.0	

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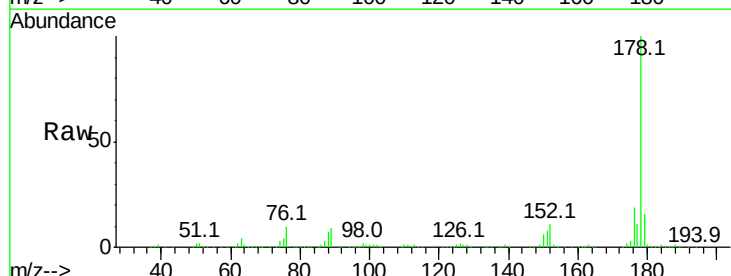


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

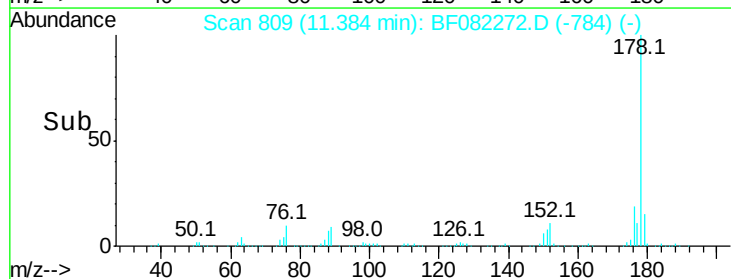
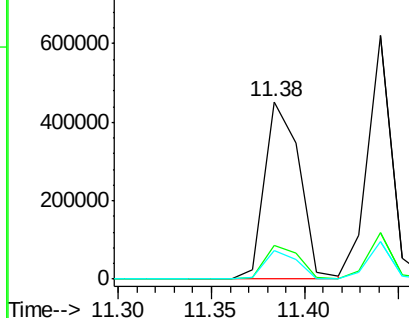


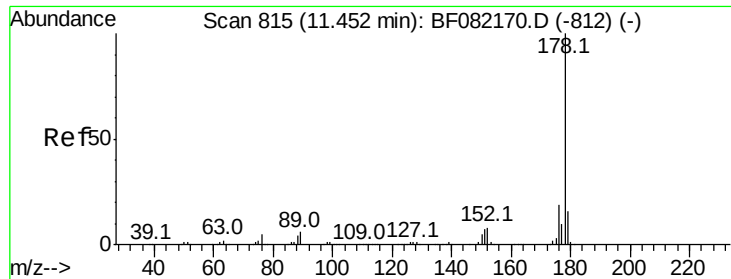
#70
 Phenanthrene
 Concen: 43.00 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	582691		
176	19.3	16.0	24.0	
179	15.8	12.6	19.0	



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





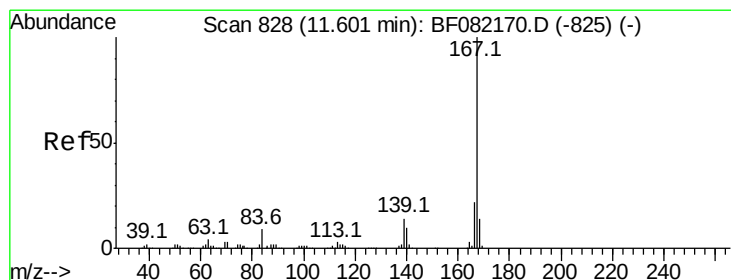
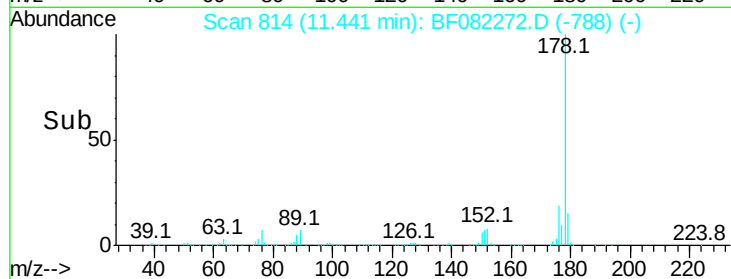
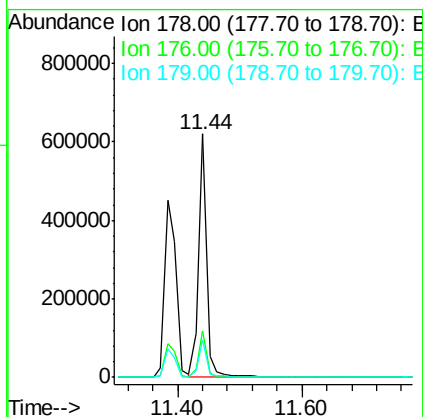
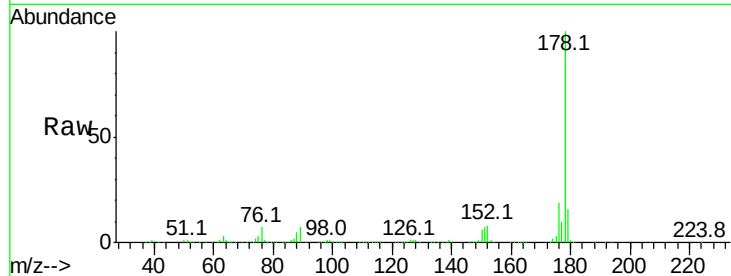
#71
 Anthracene
 Concen: 40.80 ng
 RT: 11.44 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.5	18.7

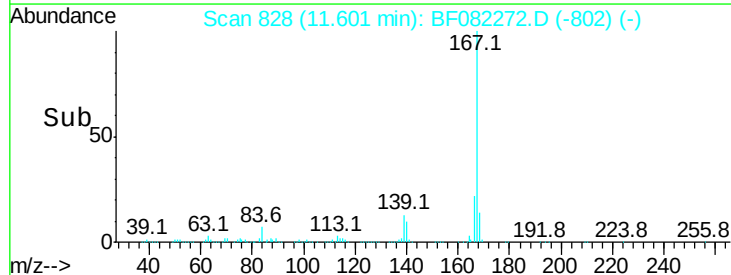
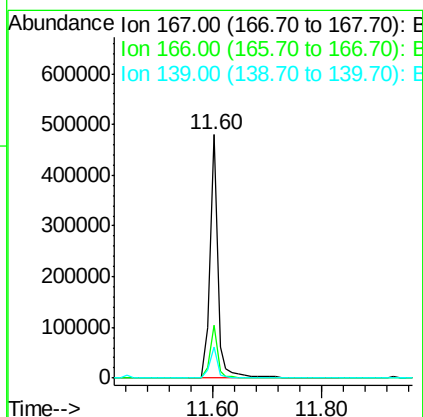
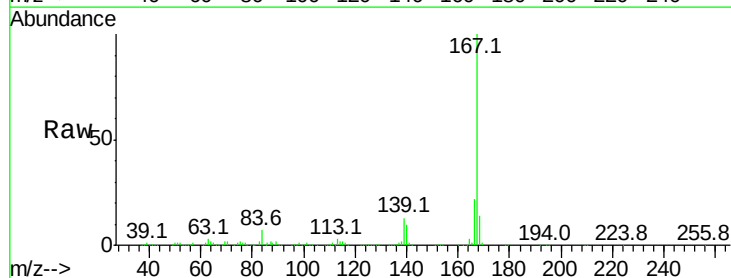
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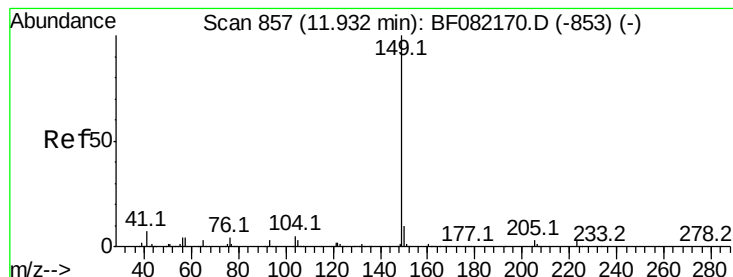
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#72
 Carbazole
 Concen: 38.18 ng
 RT: 11.60 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	12.8	11.2	16.8





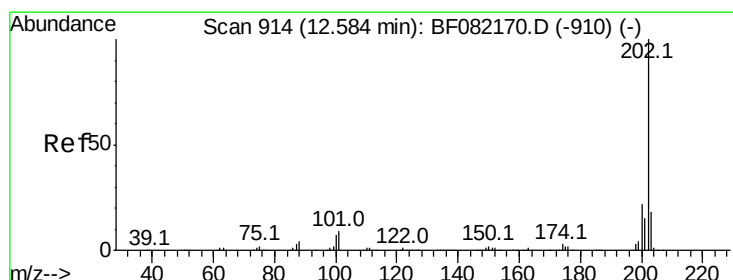
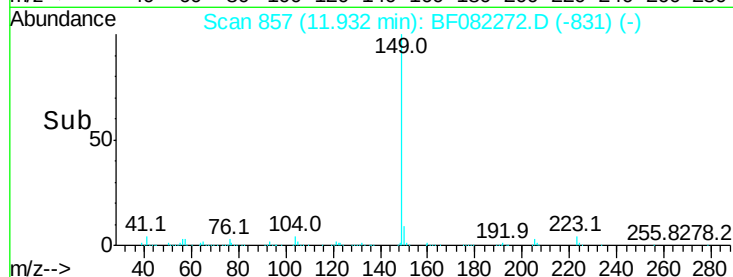
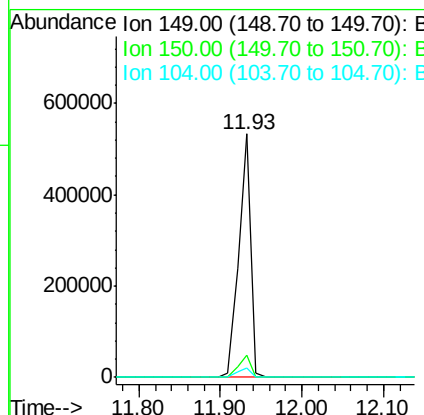
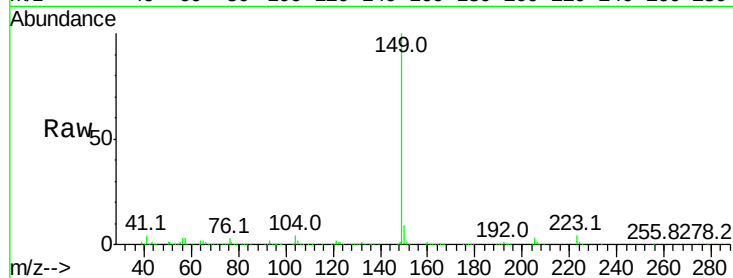
#73
Di-n-butylphthalate
Concen: 34.82 ng
RT: 11.93 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.1	7.8	11.6
104	4.0	3.8	5.8

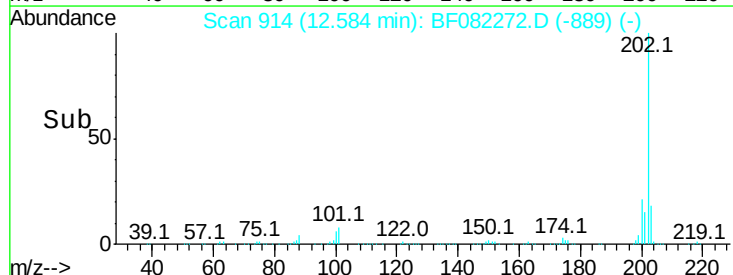
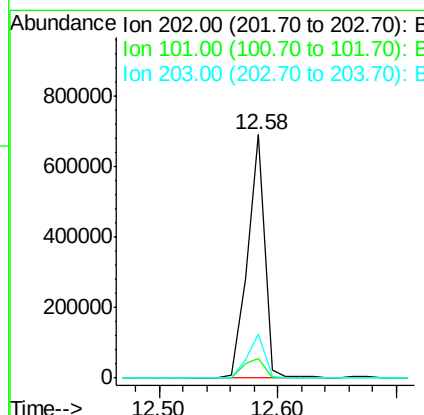
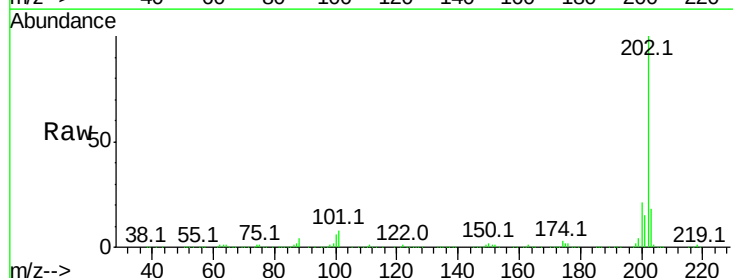
Manual Integrations
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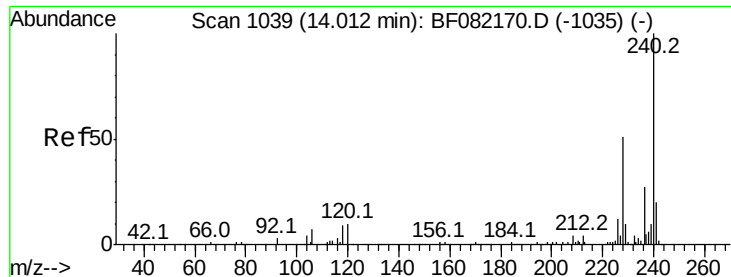
MMdadoda
10/14/2015 3:51:25 PM



#74
Fluoranthene
Concen: 48.17 ng
RT: 12.58 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	0.0	29.3
203	17.9	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

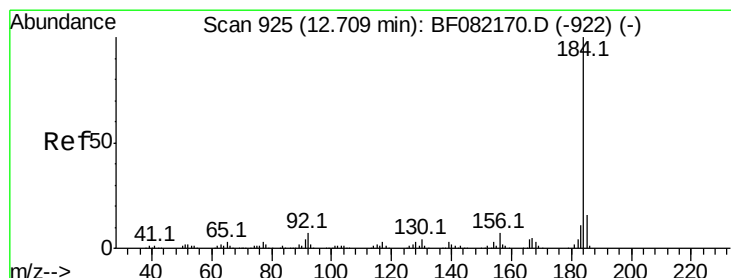
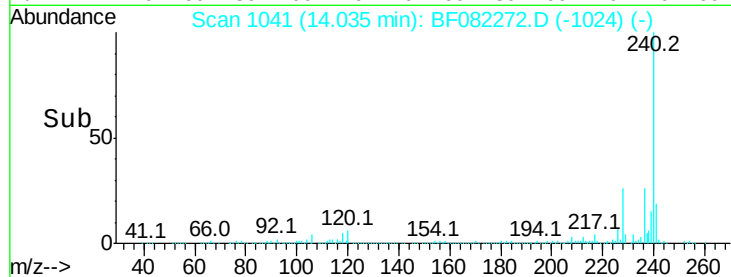
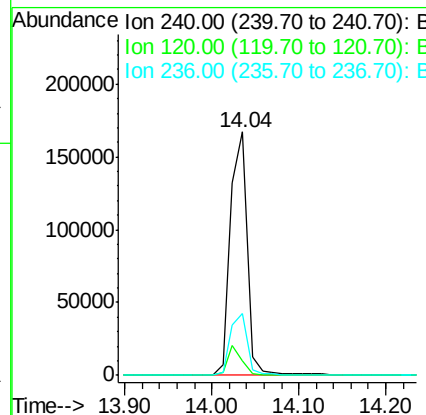
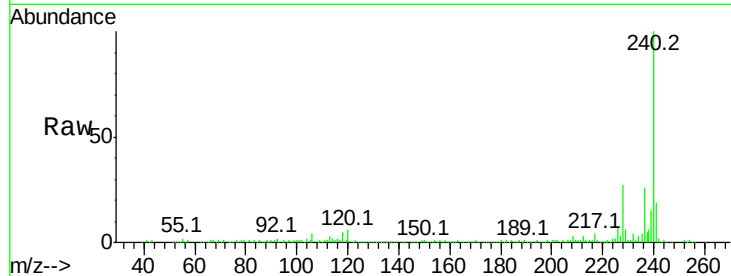
ClientSampleId :

UST-3MSD

Tot Ion:	240	Resp:	227209
Ion Ratio	Lower	Upper	
240	100		
120	6.1	8.1	12.1#
236	25.6	21.3	31.9

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#76

Benzidine

Concen: 19.60 ng

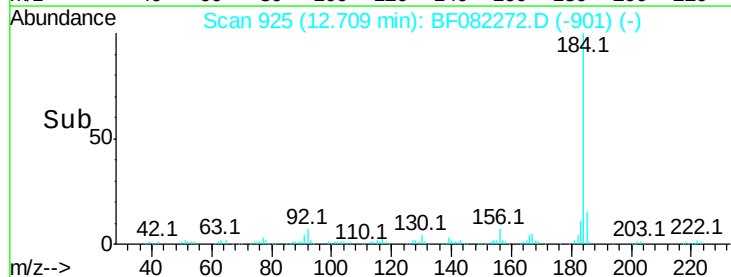
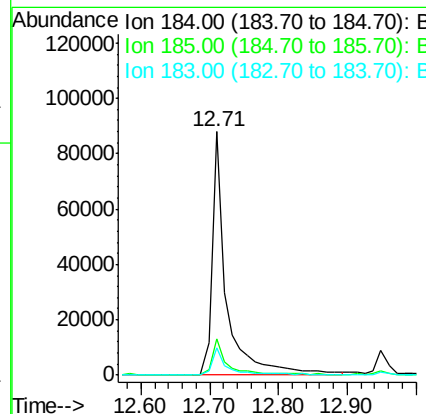
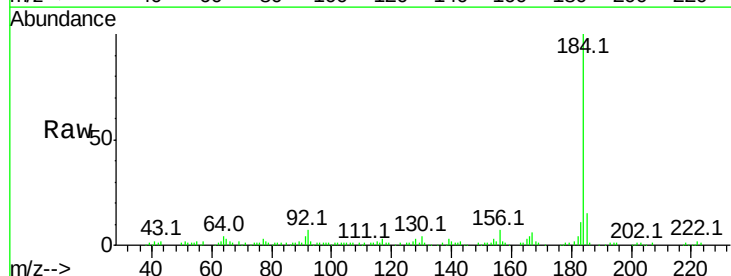
RT: 12.71 min Scan# 925

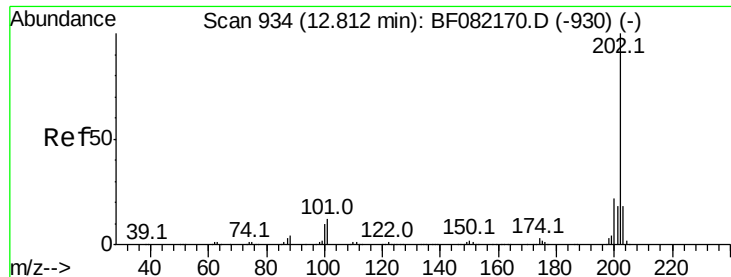
Delta R.T. -0.02 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	184	Resp:	129029
Ion Ratio	Lower	Upper	
184	100		
185	14.9	12.5	18.7
183	11.3	9.1	13.7





#77

Pvrene

Concen: 52.60 ng

RT: 12.81 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

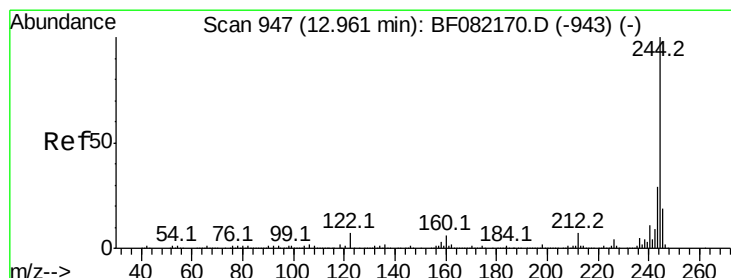
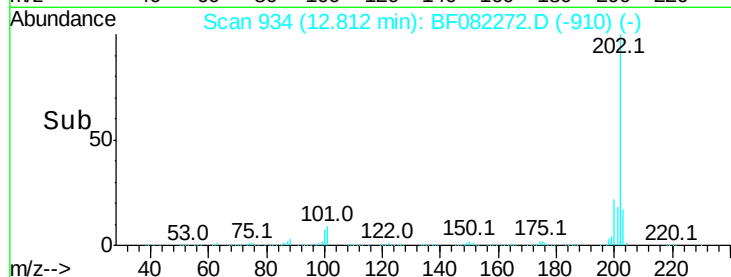
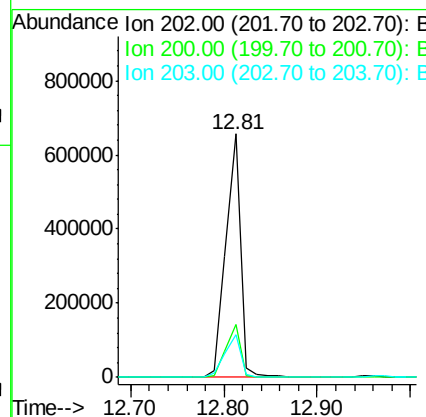
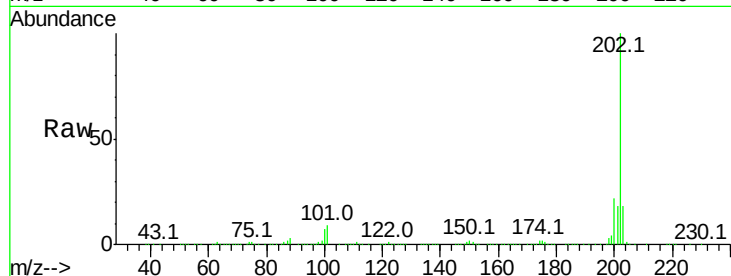
ClientSampleId :

UST-3MSD

Tot Ion:	202	Resp:	709206
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.9	26.9
203	17.7	14.5	21.7

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#78

Terphenyl-d14

Concen: 74.57 ng

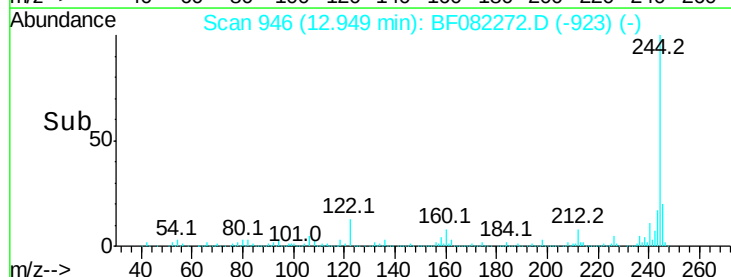
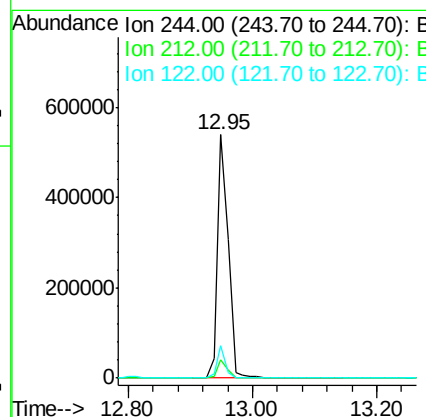
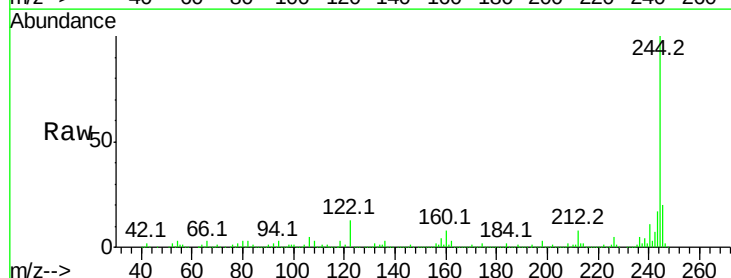
RT: 12.95 min Scan# 946

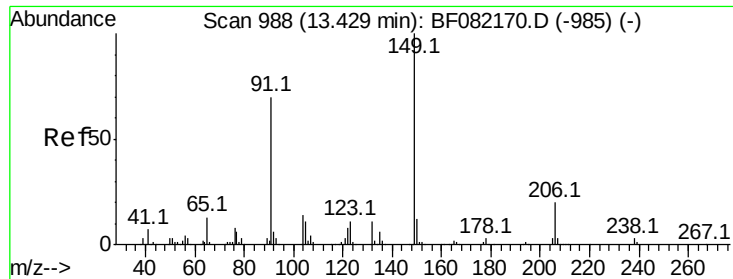
Delta R.T. -0.03 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	244	Resp:	639342
Ion Ratio		Lower	Upper
244	100		
212	7.8	5.8	8.6
122	13.1	5.9	8.9#





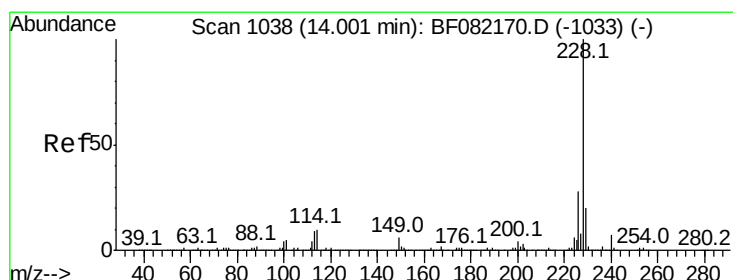
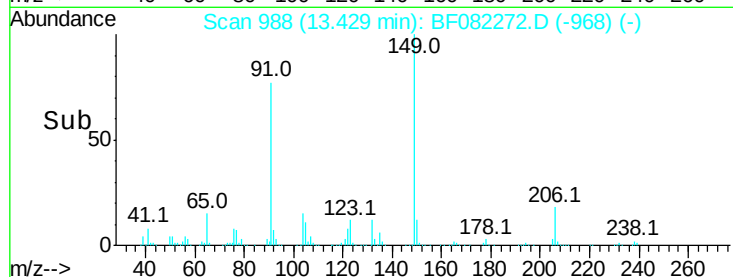
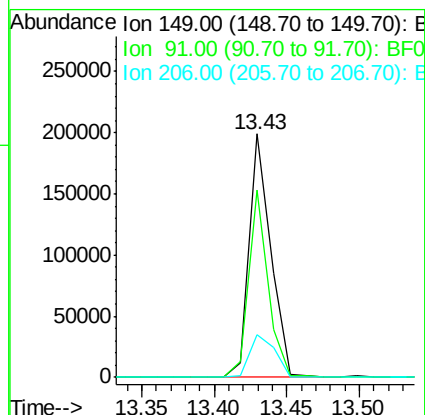
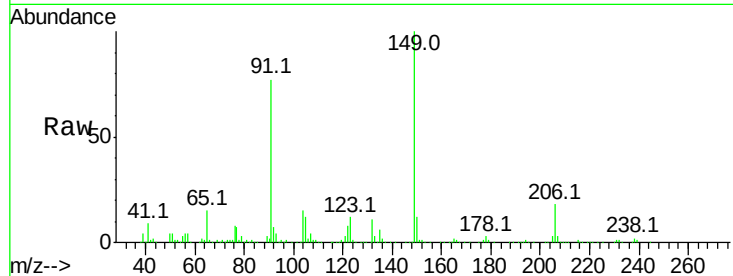
#79
Butylbenzylphthalate
Concen: 33.10 ng
RT: 13.43 min Scan# 988
Delta R.T. -0.07 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	203697		
91	77.1	55.7	83.5	
206	17.5	15.6	23.4	

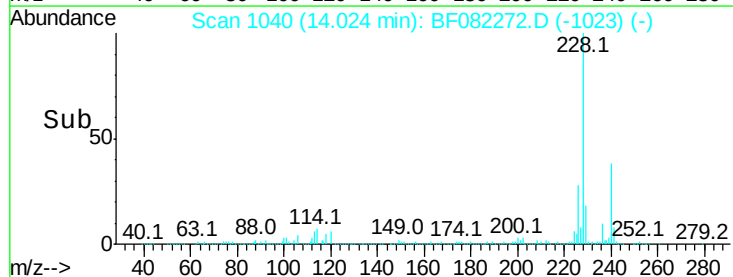
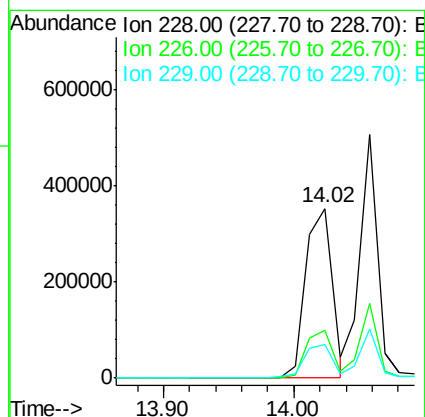
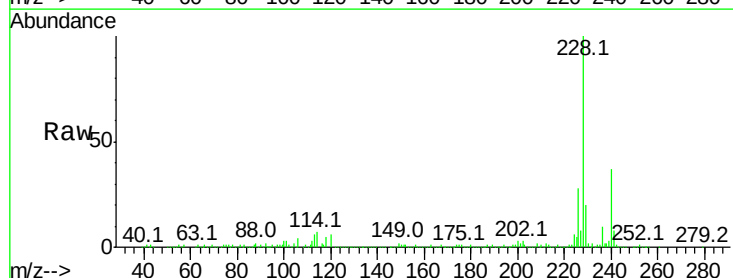
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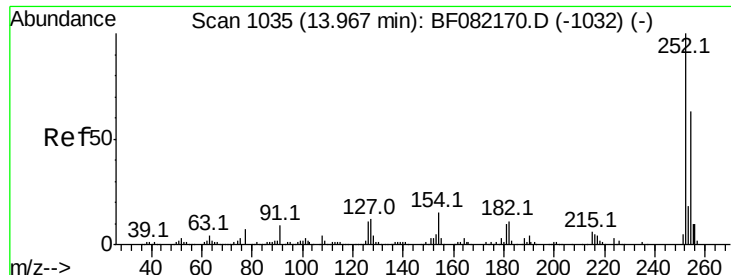
MMdadoda
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#80
Benzo(a)anthracene
Concen: 41.94 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.10 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	495758		
226	28.1	22.3	33.5	
229	19.6	16.2	24.2	





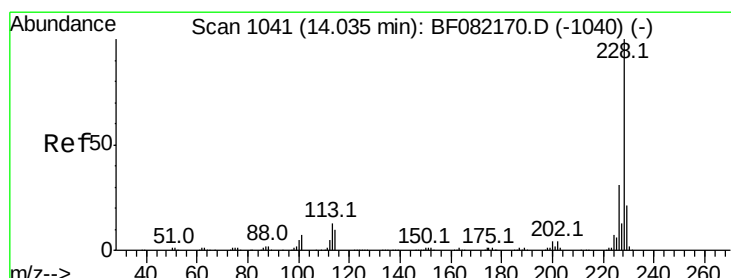
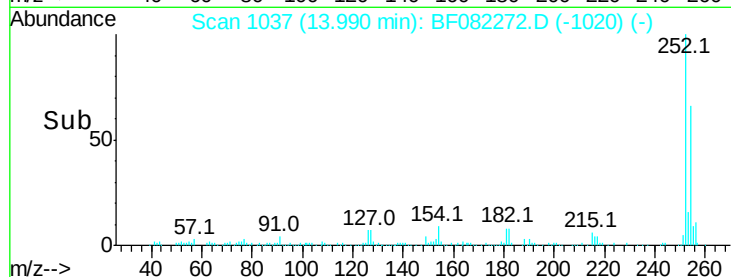
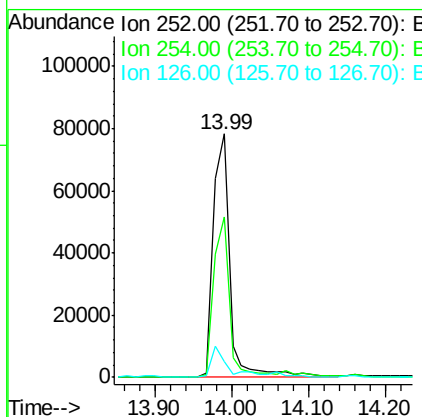
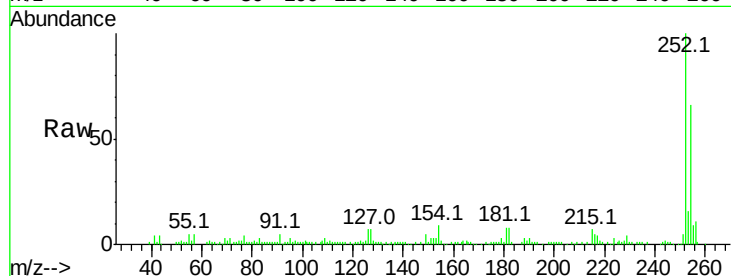
#81
 3,3'-Dichlorobenzidine
 Concen: 26.41 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. -0.10 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	65.7	50.7	76.1	
126	6.7	9.0	13.6	

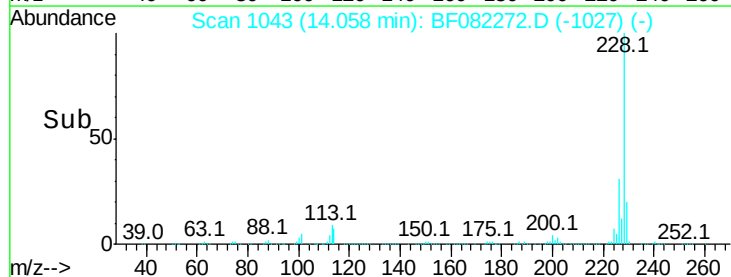
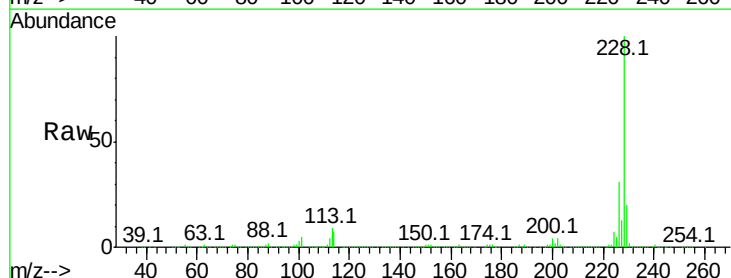
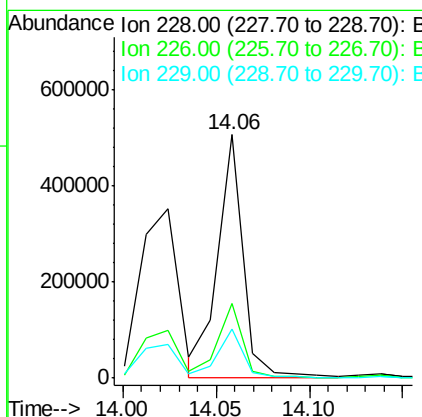
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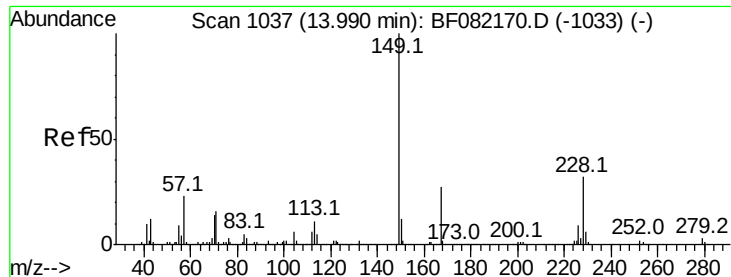
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#82
 Chrysene
 Concen: 38.80 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. -0.11 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.8	24.4	36.6	
229	20.0	16.3	24.5	





#83

Bis(2-ethylhexyl)phthalate

Concen: 32.49 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.11 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

ClientSampleId :

UST-3MSD

Tot Ion:149 Resp: 285228

Ion Ratio Lower Upper

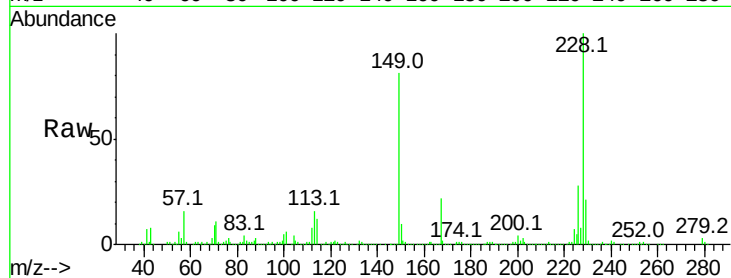
149 100

167 27.3 21.3 31.9

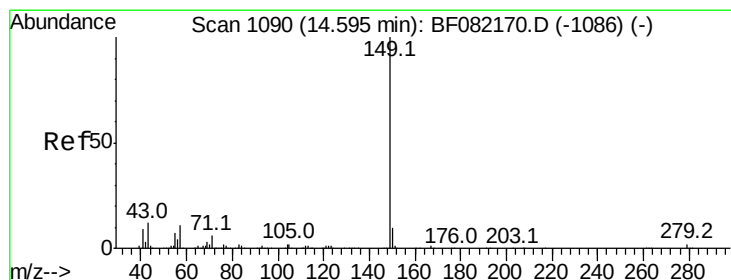
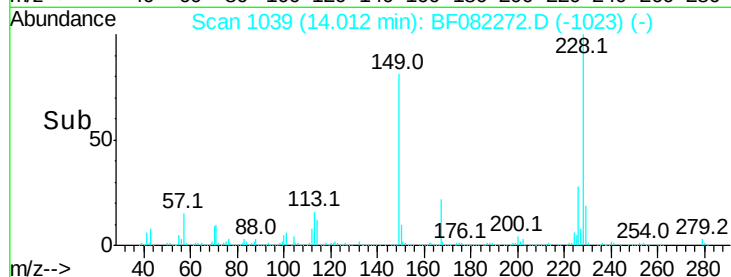
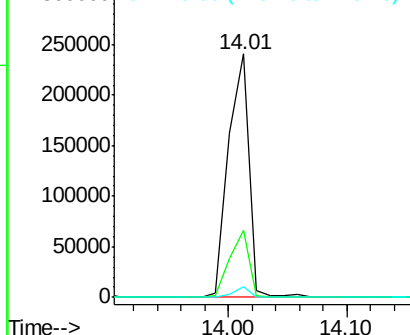
279 4.2 2.6 4.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 30.60 ng

RT: 14.66 min Scan# 1096

Delta R.T. -0.19 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

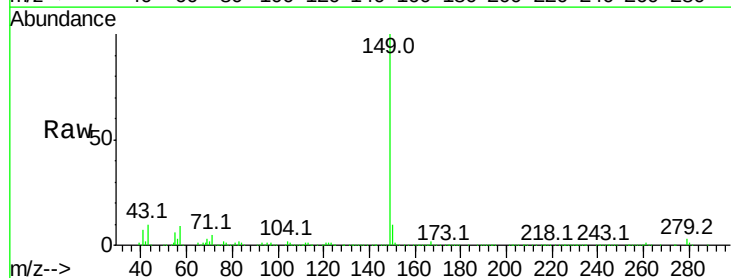
Tgt Ion:149 Resp: 461304

Ion Ratio Lower Upper

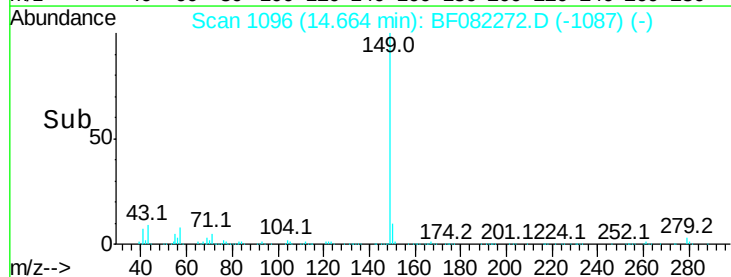
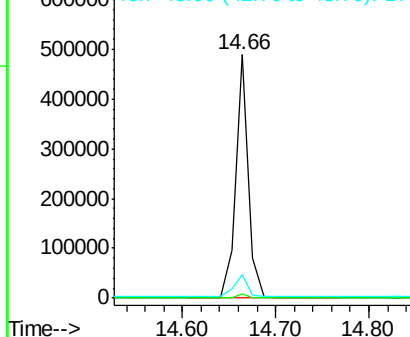
149 100

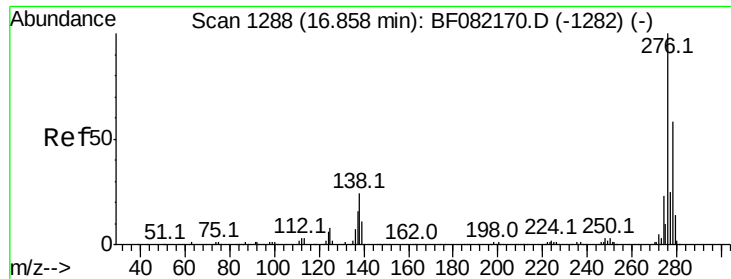
167 1.7 1.3 1.9

43 9.5 7.4 11.2



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





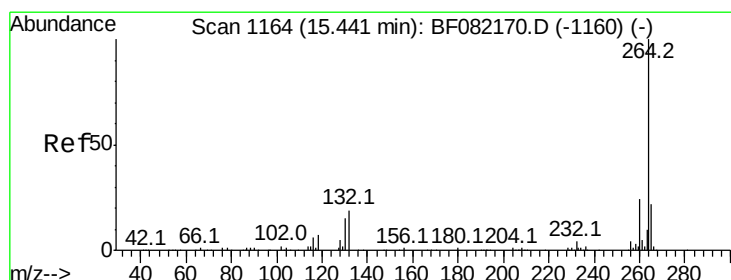
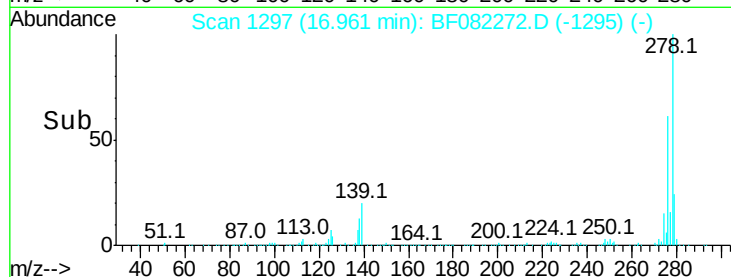
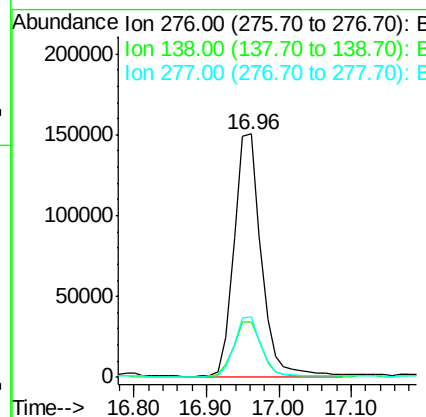
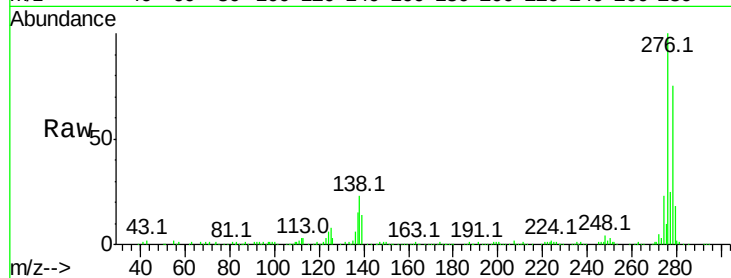
#85
Indeno(1,2,3-cd)pyrene
Concen: 39.54 ng
RT: 16.96 min Scan# 1297
Delta R.T. -0.27 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Instrument :
BNA_F
ClientSampleId :
UST-3MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.7	29.5
277	24.5	20.1	30.1

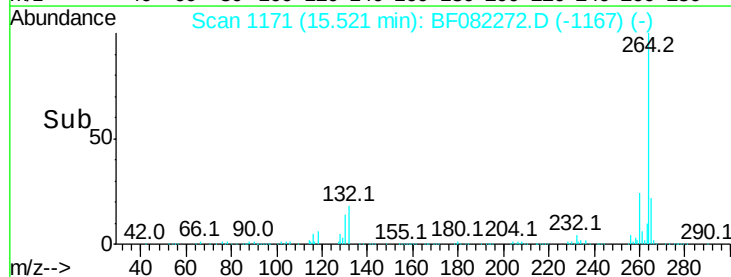
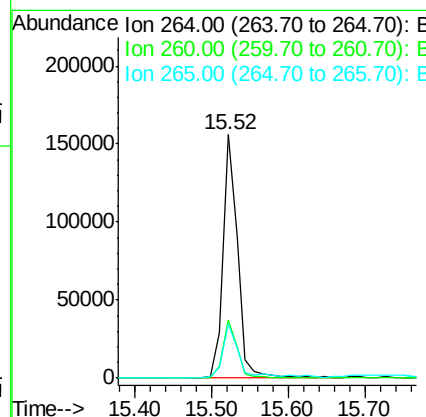
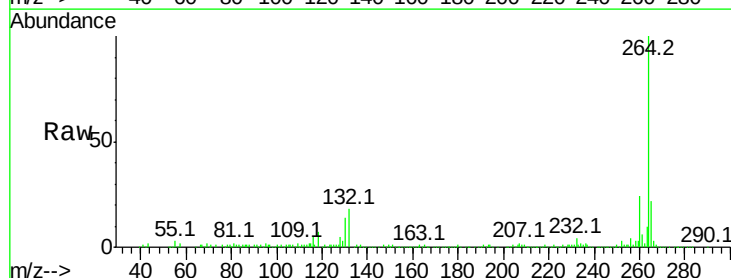
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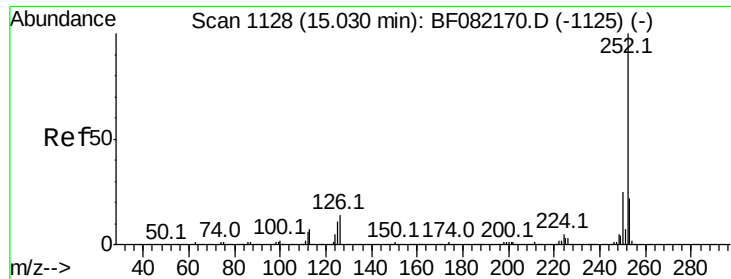
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1171
Delta R.T. -0.25 min
Lab File: BF082272.D
Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 37.80 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.23 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

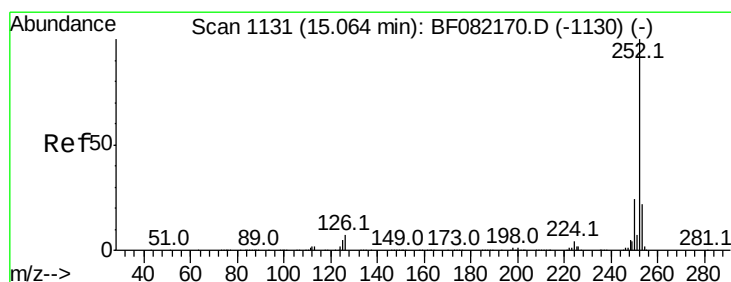
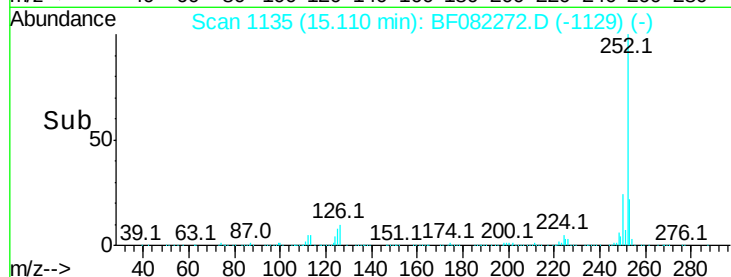
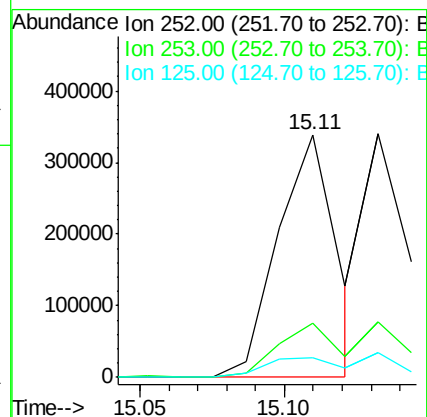
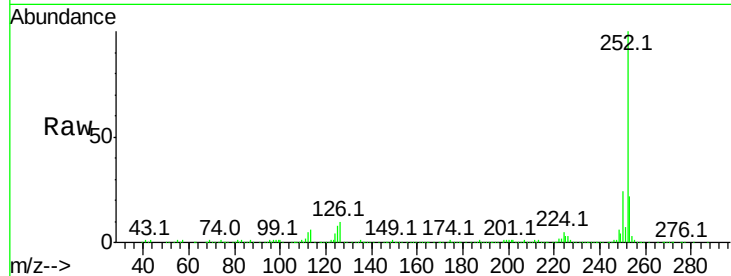
ClientSampleId :

UST-3MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	8.3	8.6	12.8#

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#88

Benzo(k)fluoranthene

Concen: 34.45 ng m

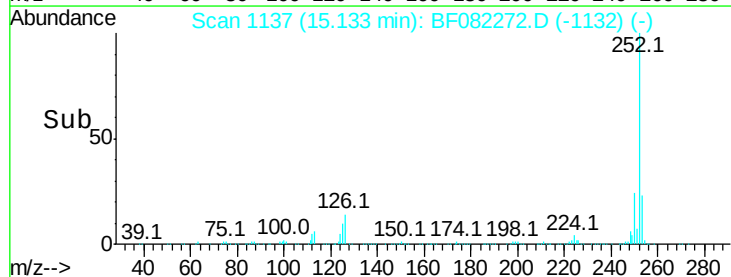
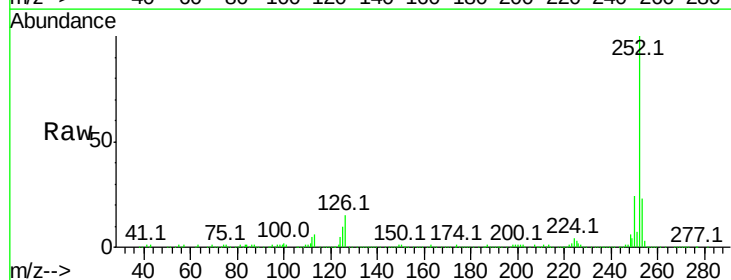
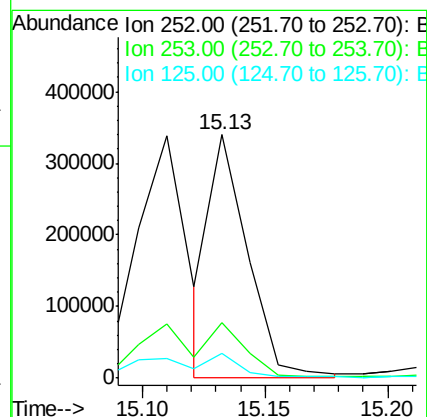
RT: 15.13 min Scan# 1137

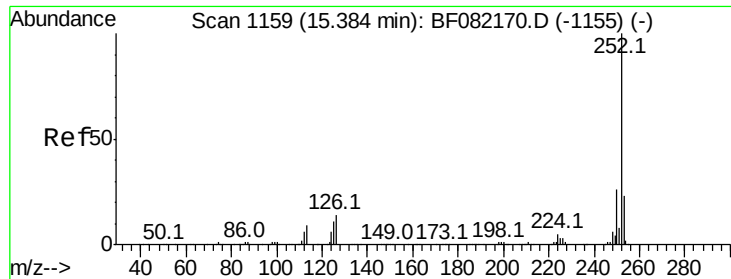
Delta R.T. -0.24 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.1	6.7	10.1





#89

Benzo(a)pyrene

Concen: 38.25 ng

RT: 15.46 min Scan# 1166

Delta R.T. -0.24 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Instrument :

BNA_F

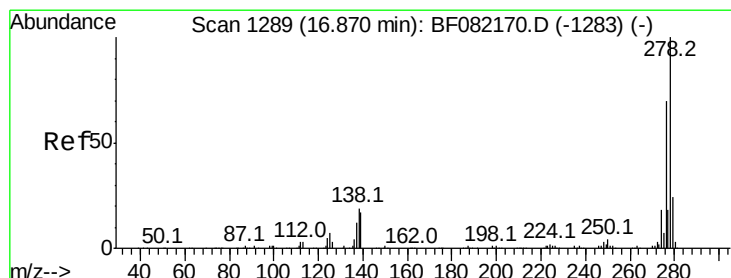
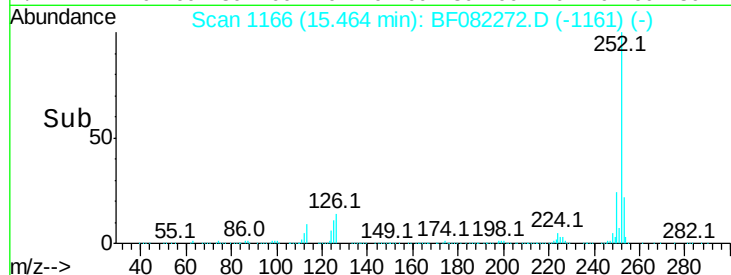
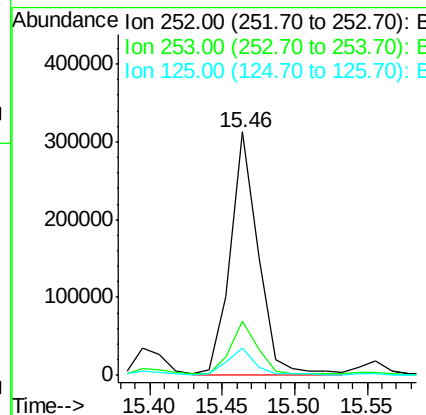
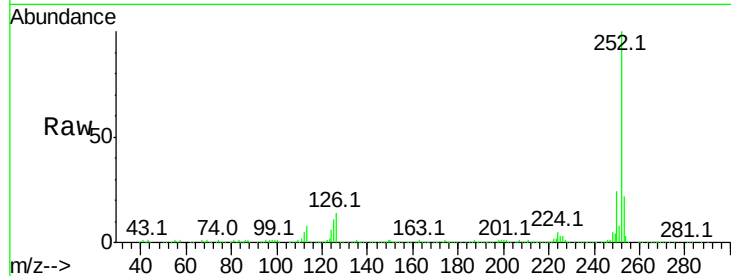
ClientSampleId :

UST-3MSD

Tot Ion:	252	Resp:	417762
Ion Ratio		Lower	Upper
252	100		
253	22.0	18.2	27.2
125	11.2	8.9	13.3

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#90

Dibenzo(a,h)anthracene

Concen: 34.32 ng

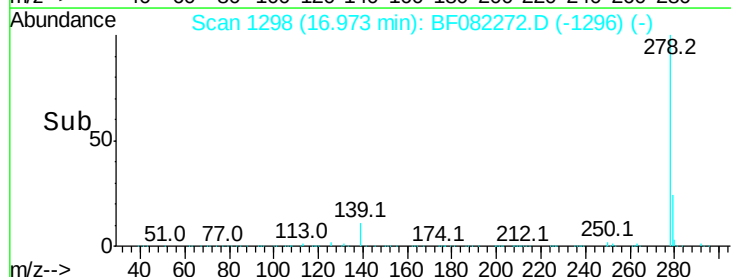
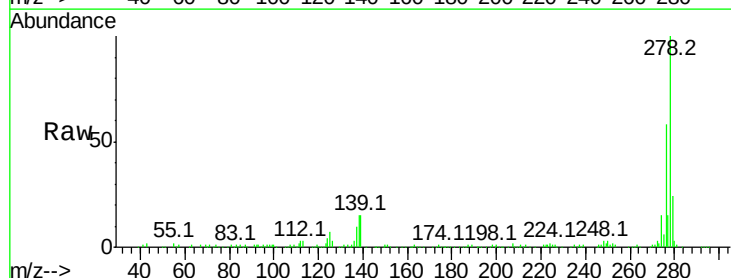
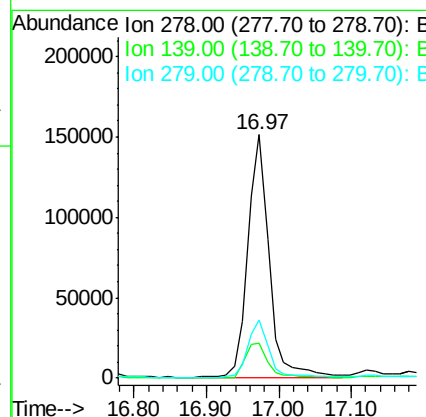
RT: 16.97 min Scan# 1298

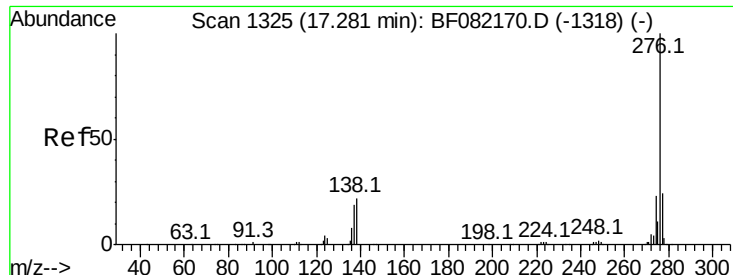
Delta R.T. -0.27 min

Lab File: BF082272.D

Acq: 13 Oct 2015 23:50

Tgt Ion:	278	Resp:	307134
Ion Ratio		Lower	Upper
278	100		
139	14.6	13.3	19.9
279	23.8	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 37.16 ng
 RT: 17.38 min Scan# 1334
 Delta R.T. -0.29 min
 Lab File: BF082272.D
 Acq: 13 Oct 2015 23:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MSD

Tot Ion:	276	Resp:	323115
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.8	28.2
138	21.0	17.4	26.2

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