

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086262.D
 Acq On : 16 Apr 2016 13:30
 Operator : UM/SJ
 Sample : H2471-06MSD
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Manual Integrations
 APPROVED

Sohil
 4/18/2016 7:33:44 PM

Quant Time: Apr 18 05:29:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	279125	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1094452	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	504141	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	858280	20.00	ng	0.00
75) Chrysene-d12	14.05	240	466389	20.00	ng	0.00
86) Perylene-d12	15.48	264	472929	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	2111403	123.94	ng	0.02
7) Phenol-d6	6.52	99	2586519	121.38	ng	0.00
23) Nitrobenzene-d5	7.46	82	1681753	88.63	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	462283	114.19	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2409224	88.18	ng	0.00
78) Terphenyl-d14	13.00	244	1592622	85.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	344921	36.71	ng	97
3) Pyridine	3.31	79	1012392	41.32	ng	96
4) n-Nitrosodimethylamine	3.25	42	410736	46.41	ng	# 75
6) Aniline	6.56	93	687911	22.40	ng	98
8) 2-Chlorophenol	6.68	128	806125	41.83	ng	86
9) Benzaldehyde	6.44	77	278391	18.41	ng	92
10) Phenol	6.54	94	940467	37.06	ng	97
11) bis(2-Chloroethyl)ether	6.64	93	884177	46.31	ng	92
12) 1,3-Dichlorobenzene	6.83	146	822269	40.21	ng	98
13) 1,4-Dichlorobenzene	6.91	146	784228	40.26	ng	99
14) 1,2-Dichlorobenzene	7.07	146	758786	43.89	ng	98
15) Benzyl Alcohol	7.04	79	664352	43.95	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1263214	42.47	ng	100
17) 2-Methylphenol	7.15	107	723251	45.04	ng	95
18) Hexachloroethane	7.41	117	314988	42.86	ng	97
19) n-Nitroso-di-n-propylamine	7.31	70	533159	39.10	ng	# 82
20) 3+4-Methylphenols	7.30	107	718609	39.95	ng	91
22) Acetophenone	7.31	105	980571	48.93	ng	# 95
24) Nitrobenzene	7.48	77	985998	47.52	ng	98
25) Isophorone	7.72	82	1684760	44.74	ng	99
26) 2-Nitrophenol	7.80	139	460830	50.94	ng	# 67
27) 2,4-Dimethylphenol	7.84	122	805662	44.10	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	1033998	46.71	ng	99
29) 2,4-Dichlorophenol	8.04	162	663893	47.80	ng	89
30) 1,2,4-Trichlorobenzene	8.12	180	637183	43.84	ng	98
31) Naphthalene	8.20	128	2110542	43.18	ng	100
32) Benzoic acid	7.88	122	40801	3.49	ng	97
33) 4-Chloroaniline	8.25	127	327444	14.99	ng	95
34) Hexachlorobutadiene	8.33	225	328617	45.13	ng	100
35) Caprolactam	8.61	113	253059m	50.33	ng	
36) 4-Chloro-3-methylphenol	8.73	107	766546	47.63	ng	93
37) 2-Methylnaphthalene	8.90	142	1507572	47.71	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	453081	42.01	ng	98
40) Hexachlorocyclopentadiene	9.05	237	480933	80.93	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	439041	44.21	nq	99
43) 2,4,5-Trichlorophenol	9.21	196	432292	45.06	nq	# 86
45) 1,1'-Biphenyl	9.36	154	1503017	41.41	nq	100
46) 2-Chloronaphthalene	9.38	162	1253629	42.31	nq	99
47) 2-Nitroaniline	9.47	65	453567	47.25	nq	96
48) Acenaphthylene	9.80	152	2177425	46.18	nq	99
49) Dimethylphthalate	9.66	163	1843732	50.30	nq	100
50) 2,6-Dinitrotoluene	9.72	165	389428	48.01	nq	90
51) Acenaphthene	9.97	154	1339766	47.57	nq	99
52) 3-Nitroaniline	9.88	138	251901	25.56	nq	100
53) 2,4-Dinitrophenol	9.98	184	205399	69.03	nq	91
54) Dibenzofuran	10.14	168	1830182	49.20	nq	96
55) 4-Nitrophenol	10.04	139	568475	73.73	nq	93
56) 2,4-Dinitrotoluene	10.12	165	504635	48.60	nq	# 82
57) Fluorene	10.49	166	1236682	48.99	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	333251	47.83	nq	96
59) Diethylphthalate	10.36	149	1499003	39.62	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	497181	47.54	nq	98
61) 4-Nitroaniline	10.50	138	352614	41.39	nq	91
62) Azobenzene	10.64	77	1711480	46.23	nq	97
64) 4,6-Dinitro-2-methylphenol	10.52	198	194427	47.60	nq	98
65) n-Nitrosodiphenylamine	10.59	169	1206973	45.92	nq	100
66) 4-Bromophenyl-phenylether	10.97	248	348073	43.51	nq	94
67) Hexachlorobenzene	11.02	284	363595	43.38	nq	94
68) Atrazine	11.13	200	402409	49.96	nq	96
69) Pentachlorophenol	11.22	266	382970	75.35	nq	98
70) Phenanthrene	11.45	178	1983231	48.38	nq	99
71) Anthracene	11.49	178	1713491	44.12	nq	100
72) Carbazole	11.64	167	1818815	46.65	nq	99
73) Di-n-butylphthalate	11.98	149	2208097	41.89	nq	100
74) Fluoranthene	12.62	202	1686458	48.19	nq	98
76) Benzidine	12.75	184	537562	29.71	nq	96
77) Pyrene	12.85	202	1668131	46.62	nq	99
79) Butylbenzylphthalate	13.48	149	915958	55.42	nq	96
80) Benzo(a)anthracene	14.04	228	1059847	41.40	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	183626	12.37	nq	# 96
82) Chrysene	14.08	228	1105571	40.50	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	885448	49.61	nq	99
84) Di-n-octyl phthalate	14.65	149	1668866	48.51	nq	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	1434479	63.93	nq	97
87) Benzo(b)fluoranthene	15.07	252	1117796m	38.31	nq	
88) Benzo(k)fluoranthene	15.11	252	1148852m	43.18	nq	
89) Benzo(a)pyrene	15.43	252	1116962	44.19	nq	98
90) Dibenzo(a,h)anthracene	16.92	278	1160552	51.96	nq	98
91) Benzo(g,h,i)perylene	17.33	276	1260956	53.09	nq	97

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

```

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ALS Vial  : 43      Sample Multiplier: 1

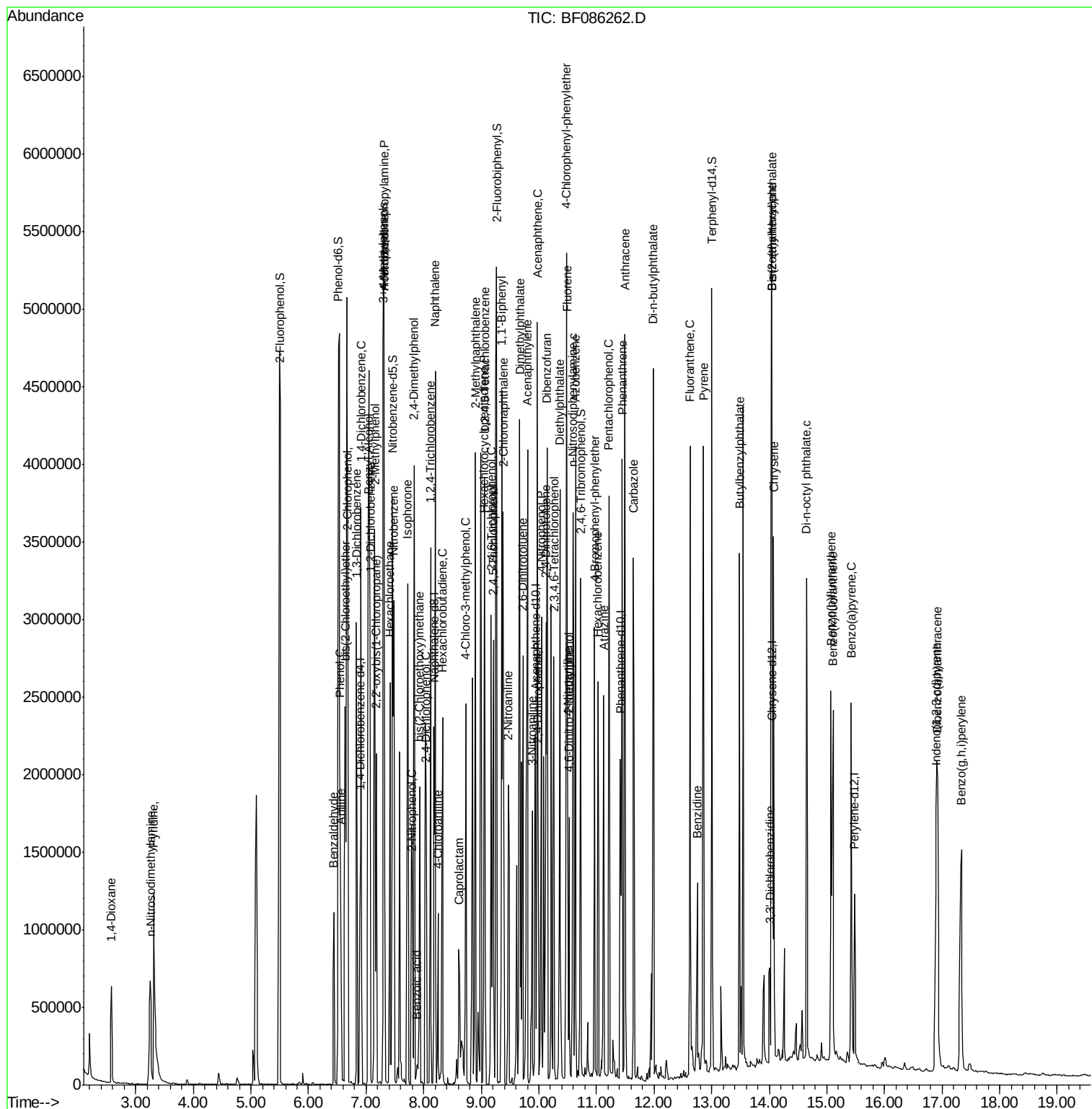
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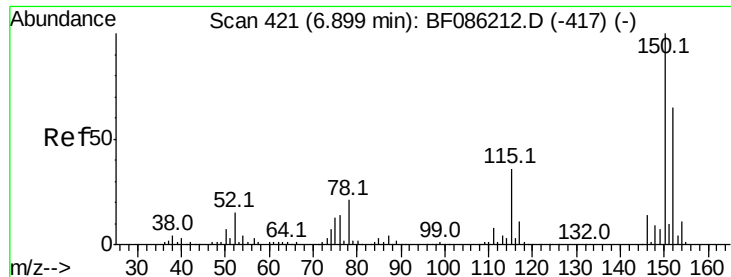
Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

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#1

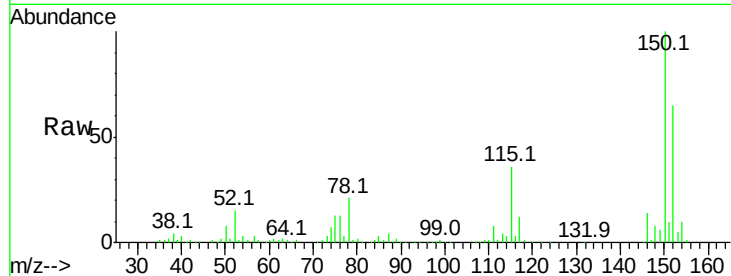
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.1	186.1
115	55.4	43.9	65.9

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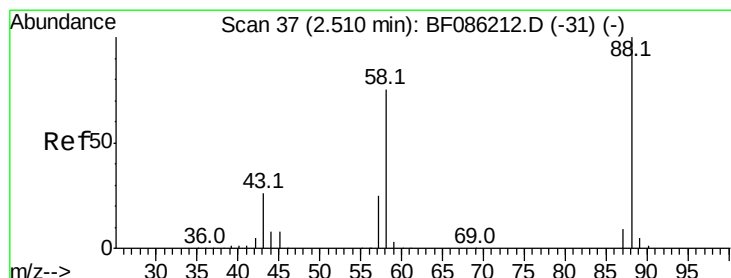
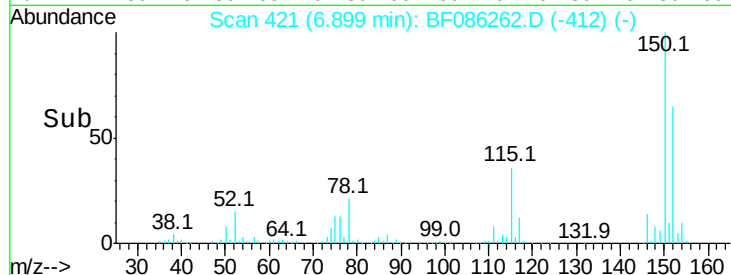
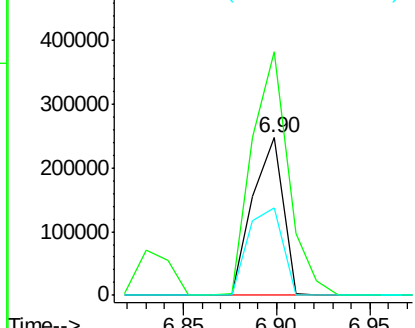


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

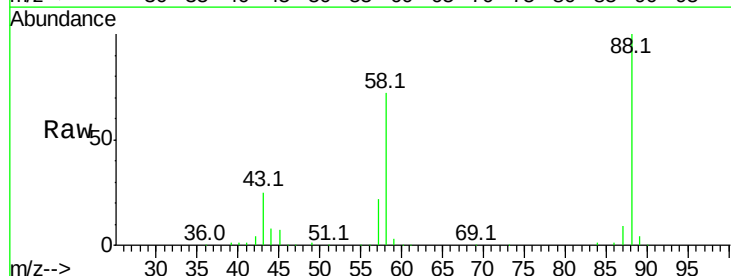
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 36.71 ng
RT: 2.58 min Scan# 43
Delta R.T. 0.07 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.1	58.4	87.6
43	25.0	23.3	34.9

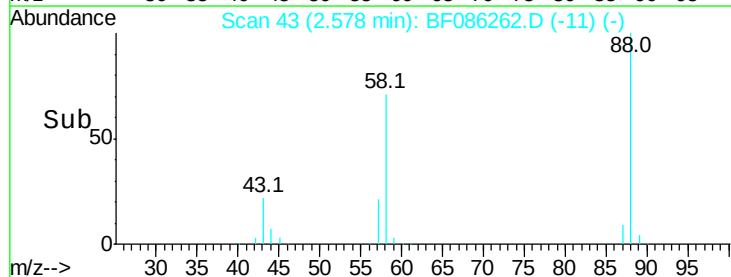
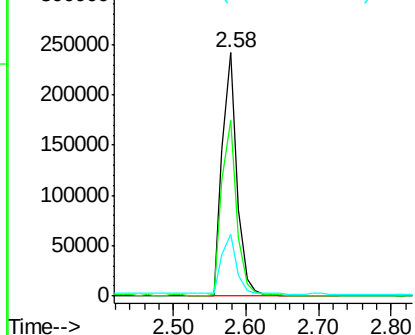


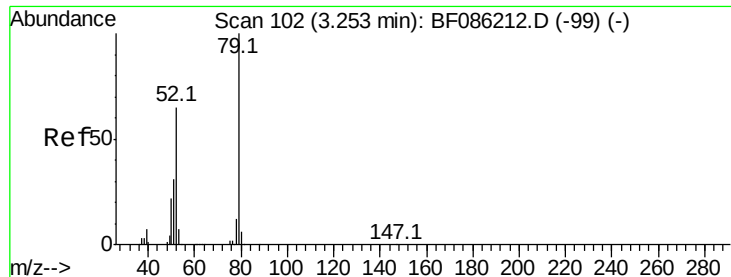
Abundance

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: 41.32 ng

RT: 3.31 min Scan# 107

Delta R.T. 0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion: 79 Resp: 1012392

Ion Ratio Lower Upper

79 100

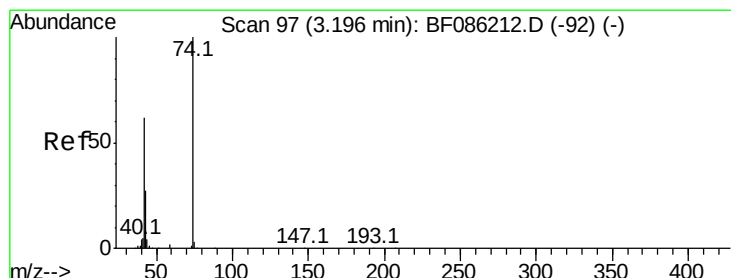
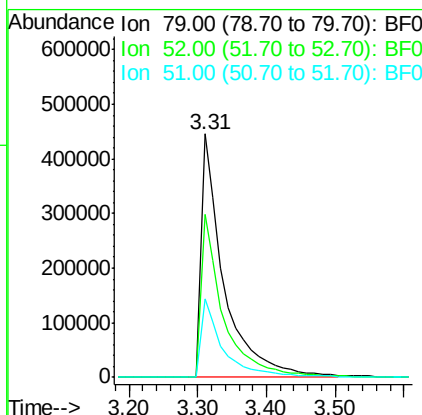
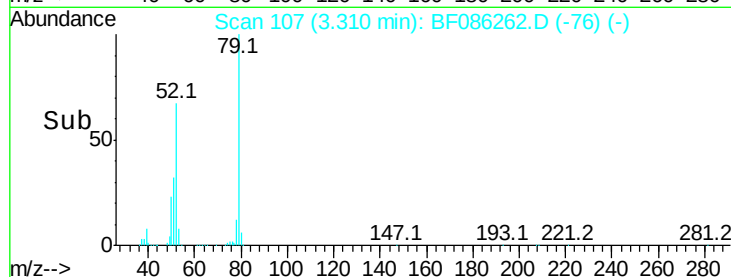
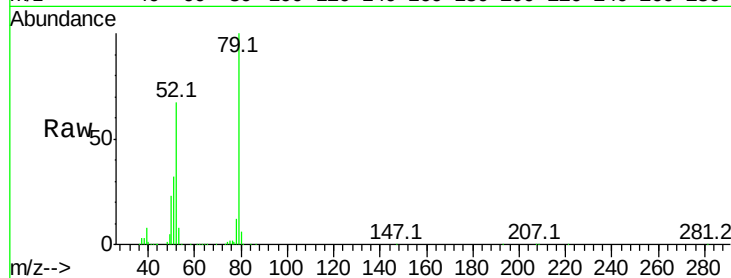
52 66.8 55.4 83.2

51 32.3 28.1 42.1

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 46.41 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

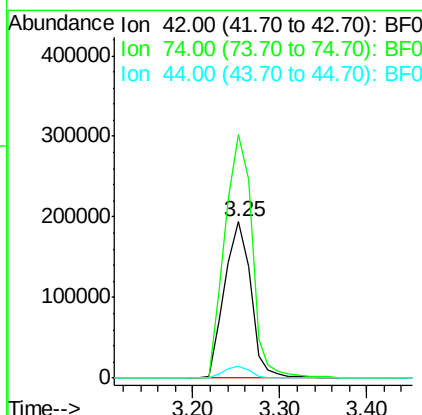
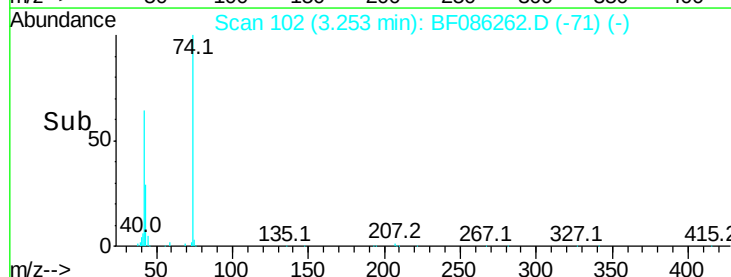
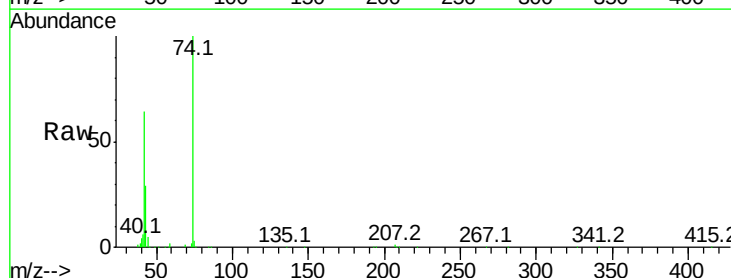
Tgt Ion: 42 Resp: 410736

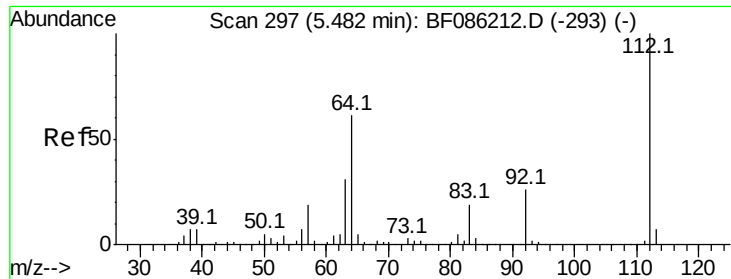
Ion Ratio Lower Upper

42 100

74 156.1 100.5 150.7#

44 7.5 5.4 8.0





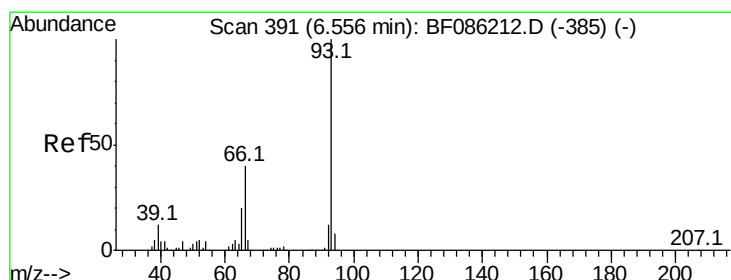
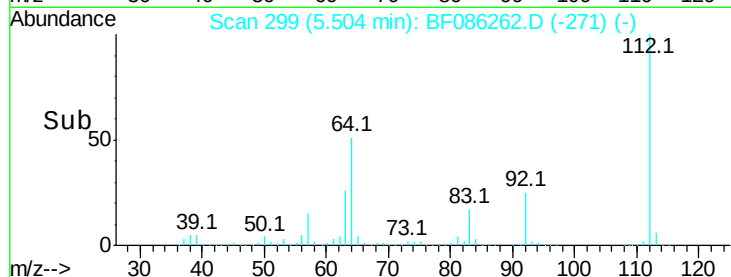
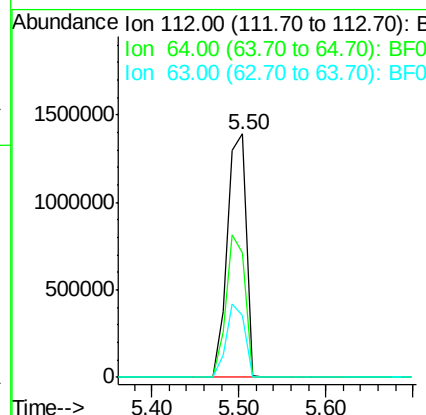
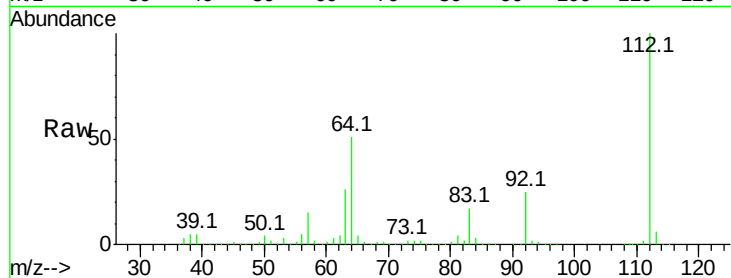
#5
 2-Fluorophenol
 Concen: 123.94 ng
 RT: 5.50 min Scan# 299
 Delta R.T. 0.02 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampled :
 CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	51.1	48.1	72.1
63	25.5	25.5	38.3

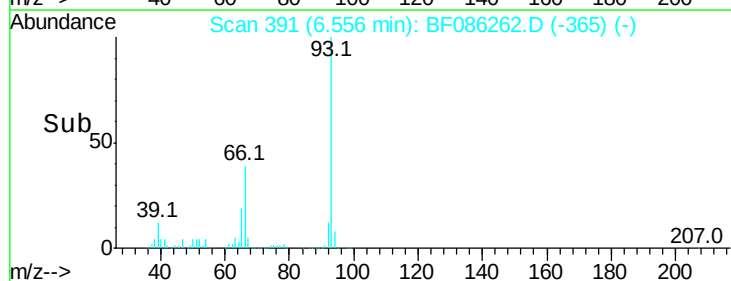
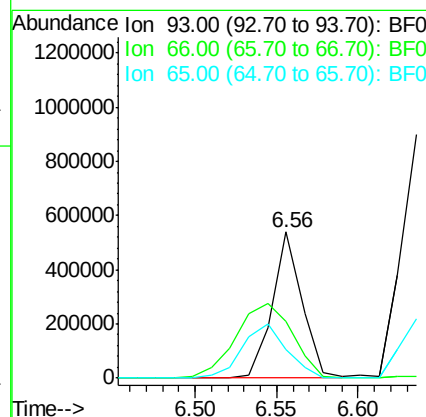
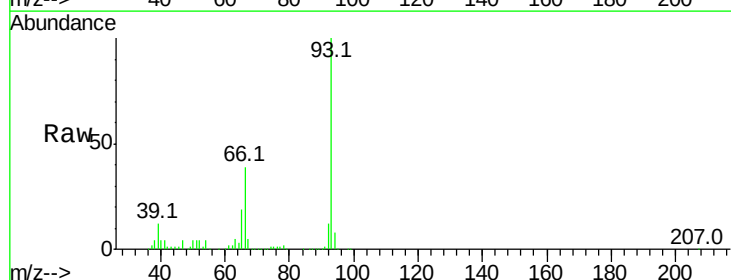
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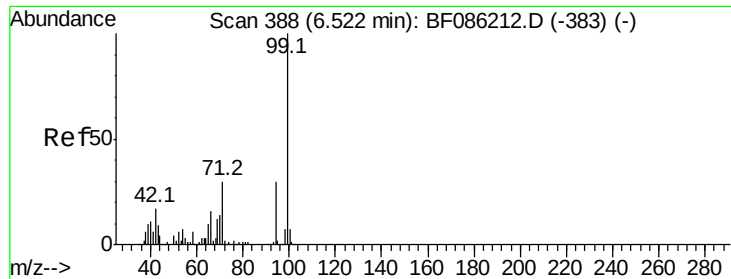
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#6
 Aniline
 Concen: 22.40 ng
 RT: 6.56 min Scan# 391
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.2	48.2
65	19.4	16.4	24.6





#7

Phenol-d6

Concen: 121.38 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion: 99 Resp: 2586519

Ion Ratio Lower Upper

99 100

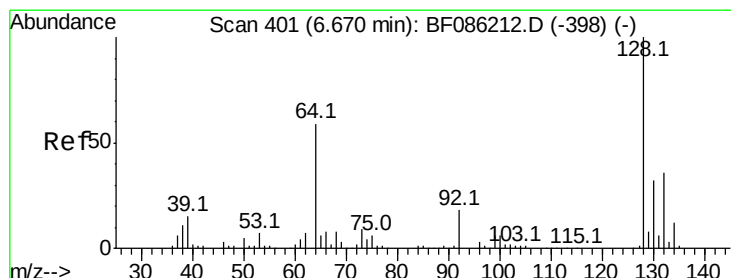
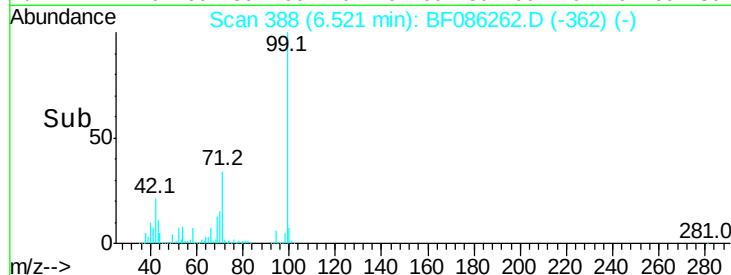
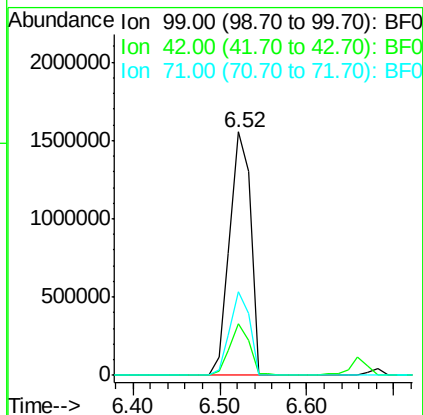
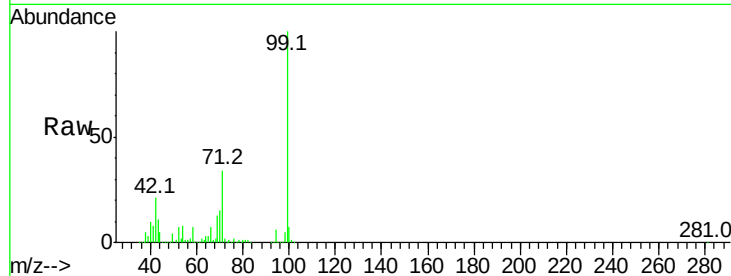
42 21.4 15.4 23.2

71 34.3 25.6 38.4

Manual Integrations
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#8

2-Chlorophenol

Concen: 41.83 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

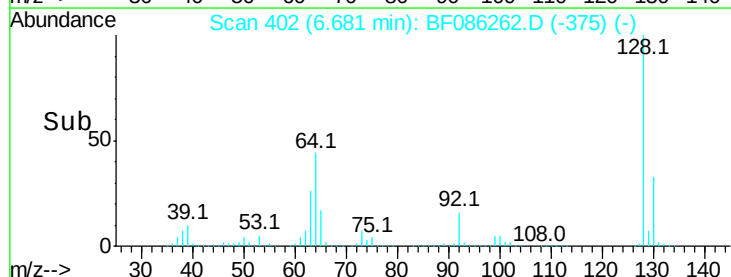
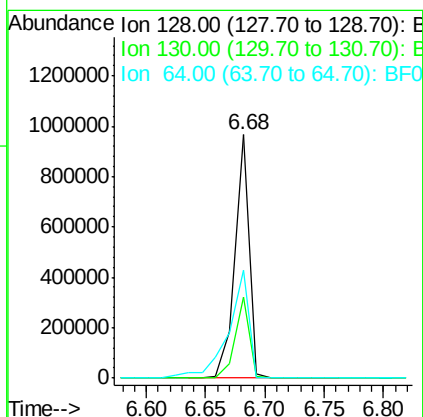
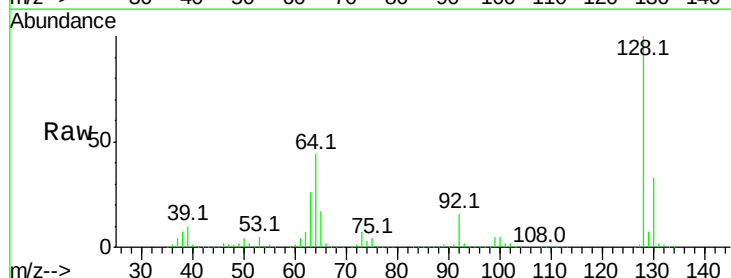
Tgt Ion:128 Resp: 806125

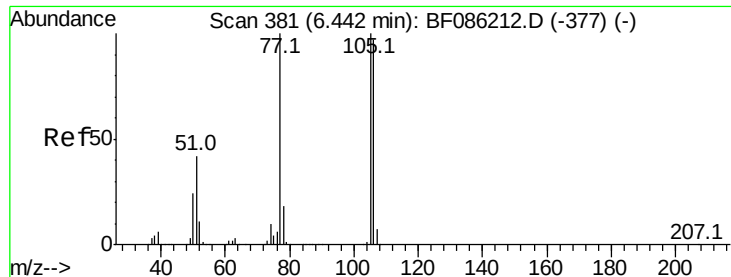
Ion Ratio Lower Upper

128 100

130 33.2 11.8 51.8

64 44.1 39.5 79.5





#9

Benzaldehyde

Concen: 18.41 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

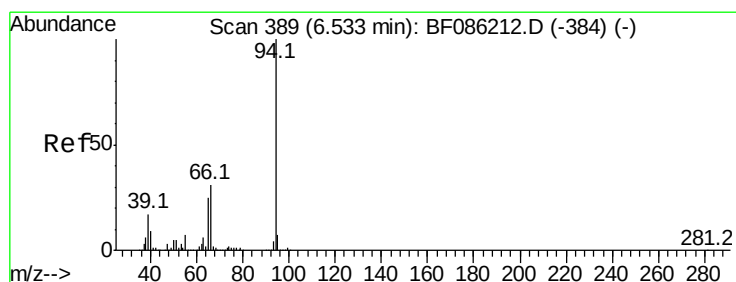
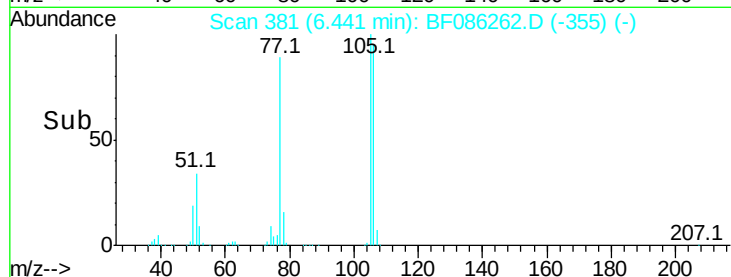
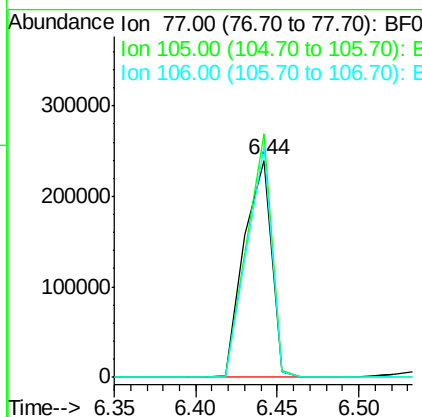
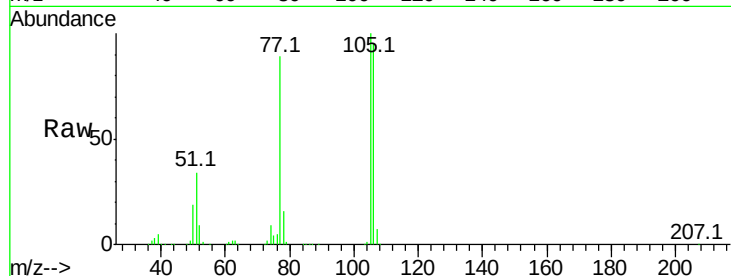
ClientSampleId :

CDMSH4MSD

Manual Integrations
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Tot Ion:	77	Resp:	278391
Ion Ratio	Lower	Upper	
77	100		
105	112.2	84.6	124.6
106	106.6	78.6	118.6



#10

Phenol

Concen: 37.06 ng

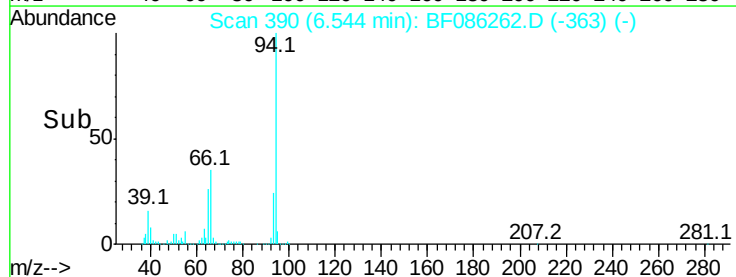
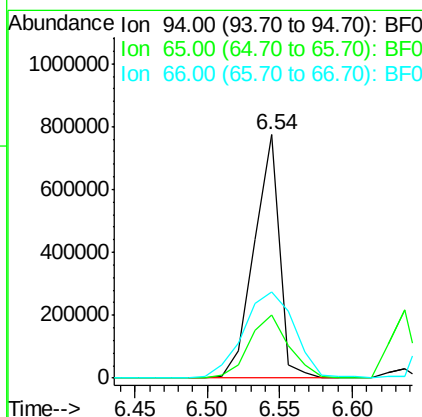
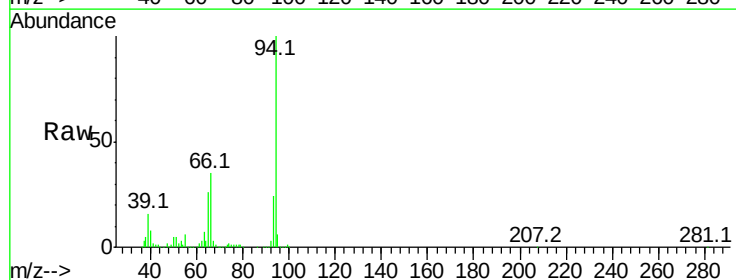
RT: 6.54 min Scan# 390

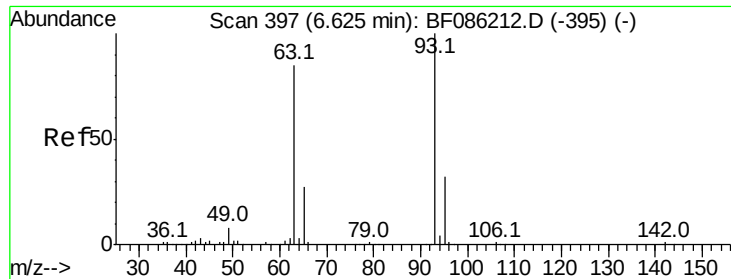
Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	94	Resp:	940467
Ion Ratio	Lower	Upper	
94	100		
65	25.9	7.9	47.9
66	35.4	16.5	56.5





#11

bis(2-Chloroethyl)ether

Concen: 46.31 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

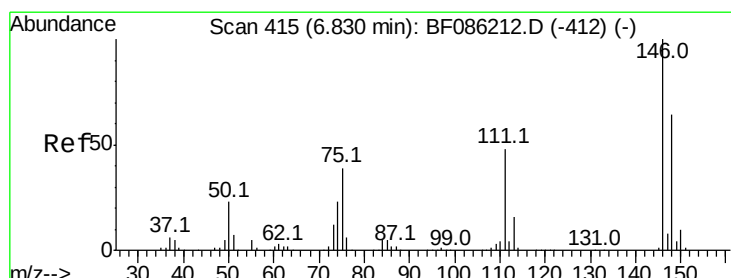
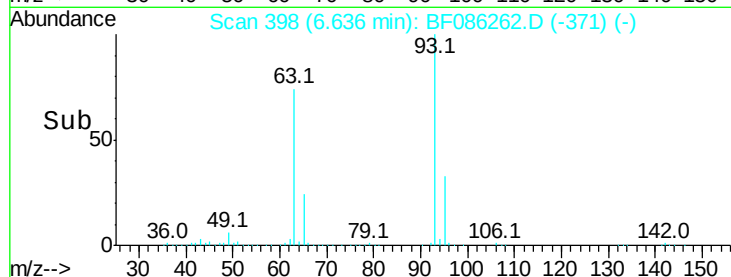
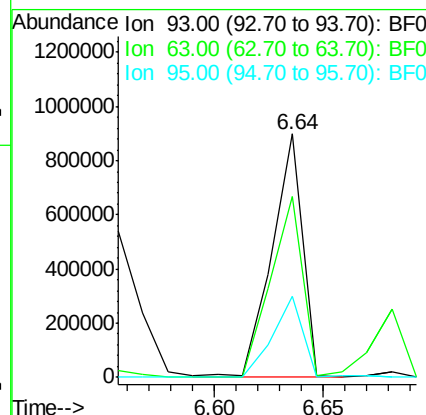
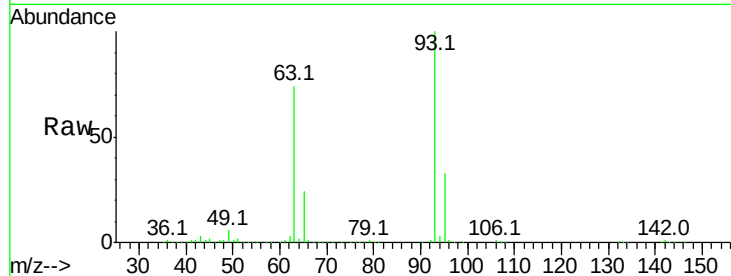
ClientSampleId :

CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.2	44.4	84.4
95	33.3	13.1	53.1

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#12

1,3-Dichlorobenzene

Concen: 40.21 ng

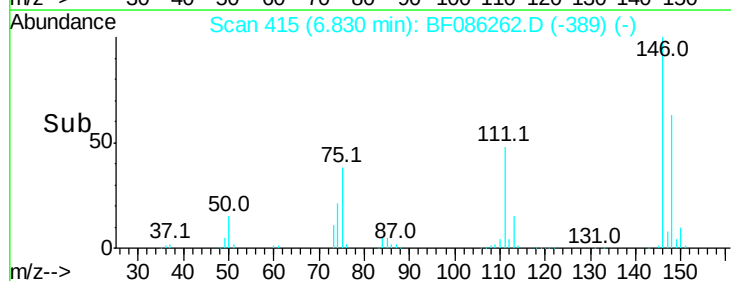
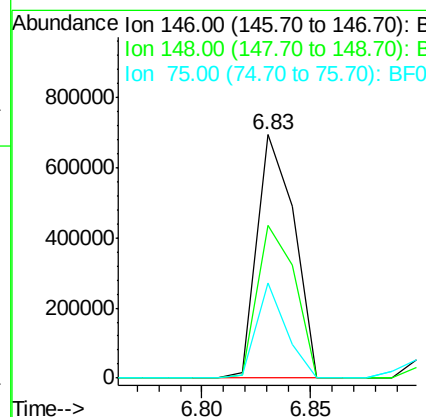
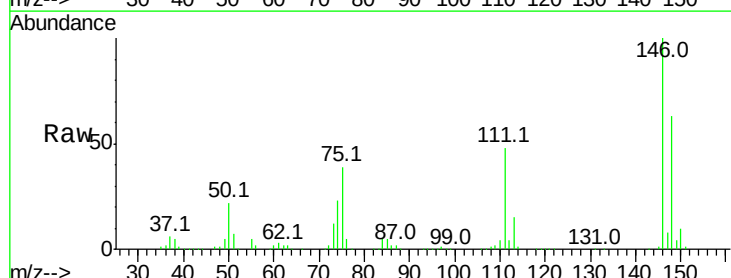
RT: 6.83 min Scan# 415

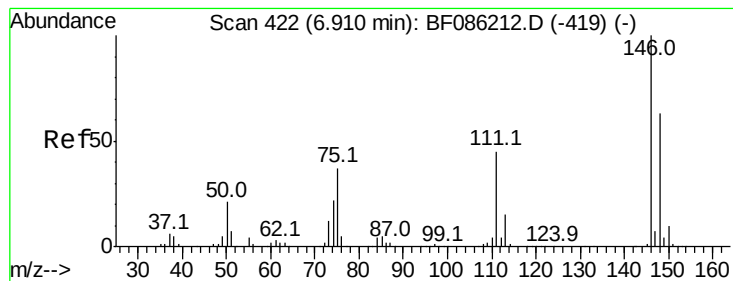
Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
75	38.9	29.9	44.9





#13

1,4-Dichlorobenzene

Concen: 40.26 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

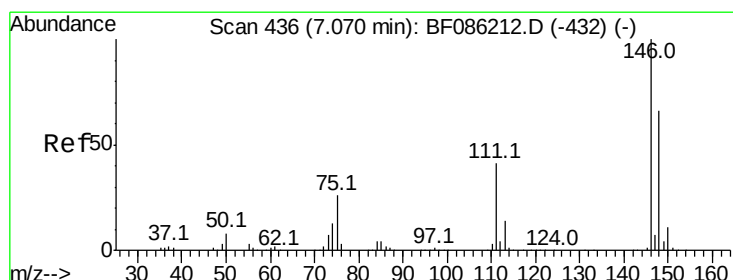
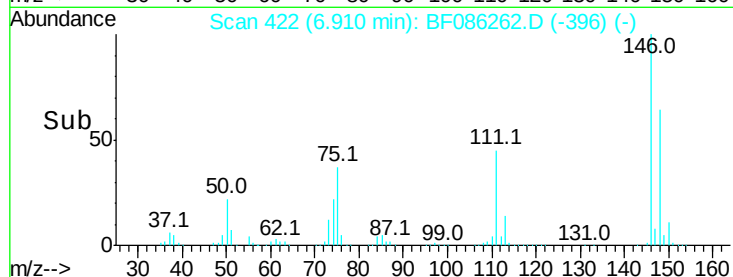
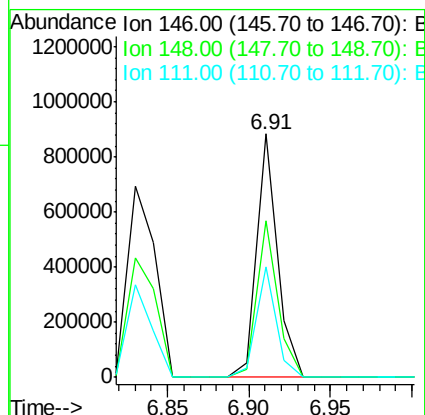
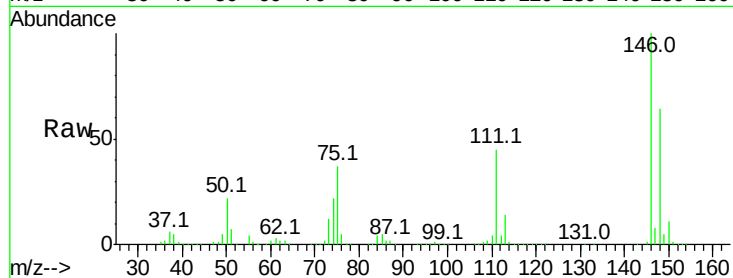
ClientSampleId :

CDMSH4MSD

Tot Ion:	146	Resp:	784228
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.8	77.6
111	45.2	34.9	52.3

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 43.89 ng

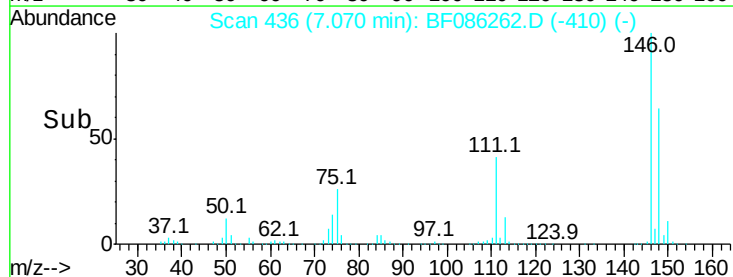
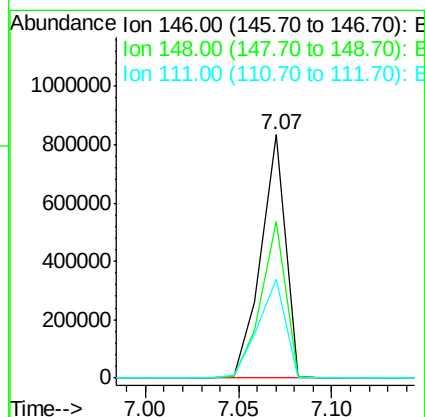
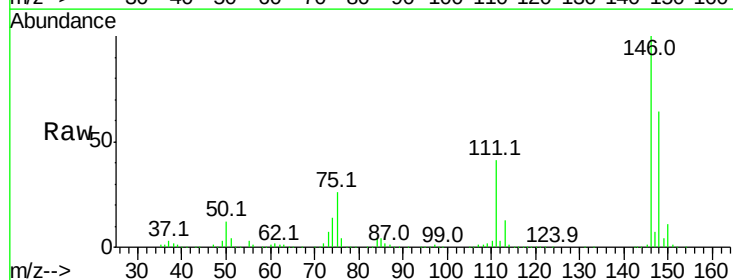
RT: 7.07 min Scan# 436

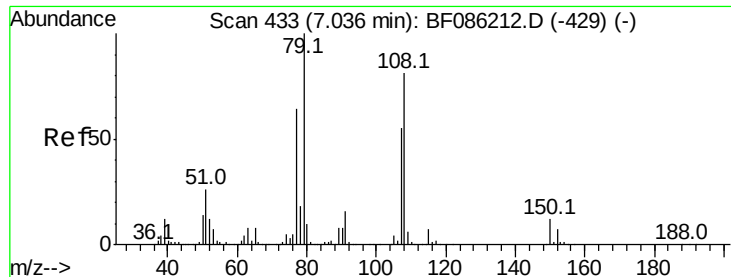
Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	146	Resp:	758786
Ion Ratio	Lower	Upper	
146	100		
148	64.3	52.2	78.2
111	40.6	31.0	46.4





#15

Benzyl Alcohol

Concen: 43.95 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

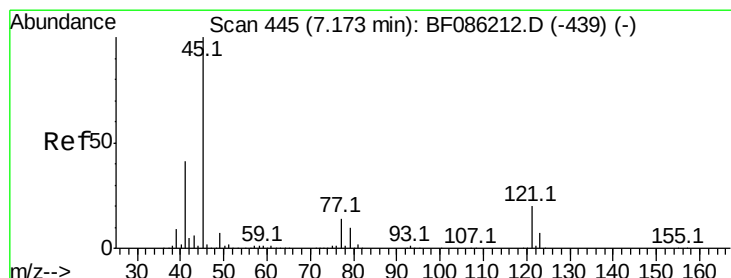
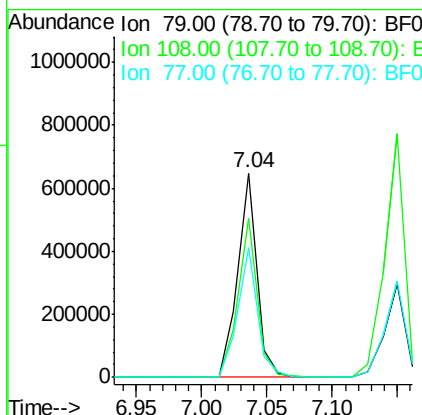
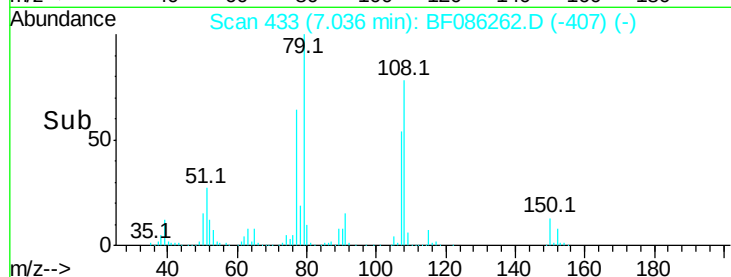
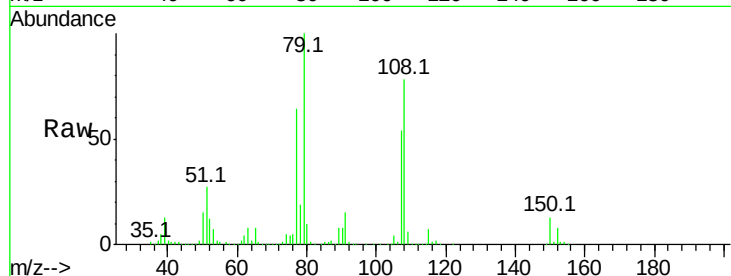
ClientSampleId :

CDMSH4MSD

Tot Ion:	79	Resp:	664352
Ion Ratio	Lower	Upper	
79	100		
108	77.8	64.8	97.2
77	63.6	51.9	77.9

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.47 ng

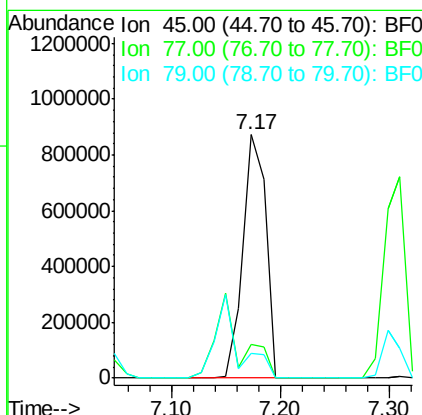
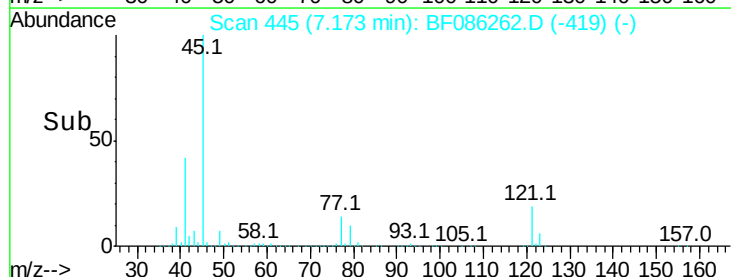
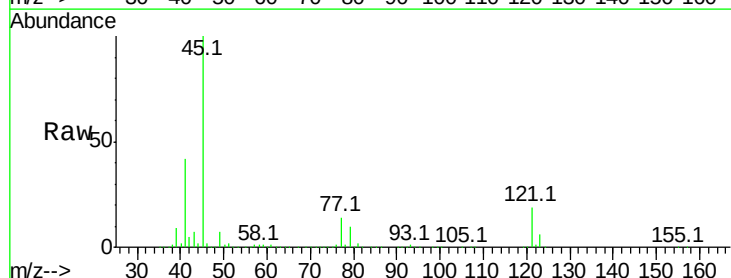
RT: 7.17 min Scan# 445

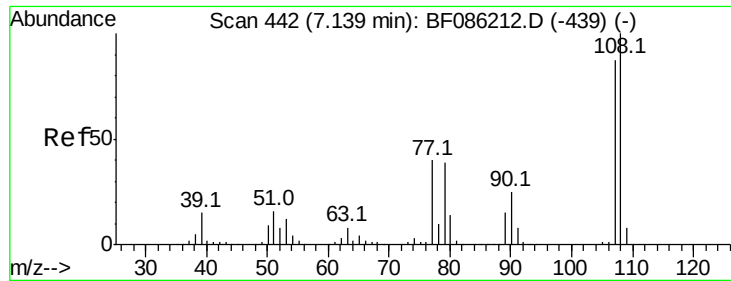
Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	45	Resp:	1263214
Ion Ratio	Lower	Upper	
45	100		
77	13.6	0.0	33.7
79	10.4	0.0	30.1





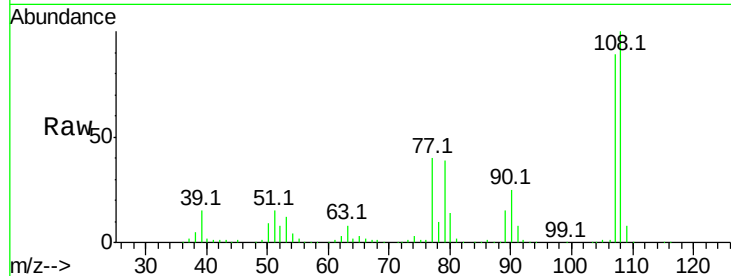
#17
 2-Methylphenol
 Concen: 45.04 ng
 RT: 7.15 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

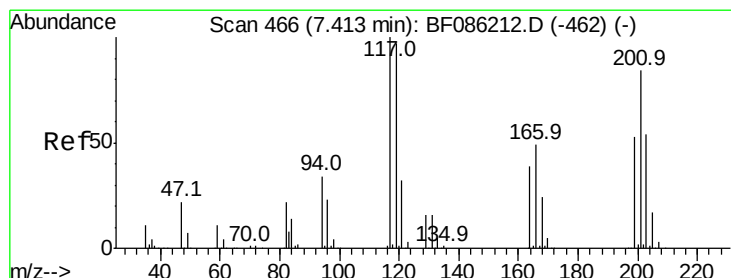
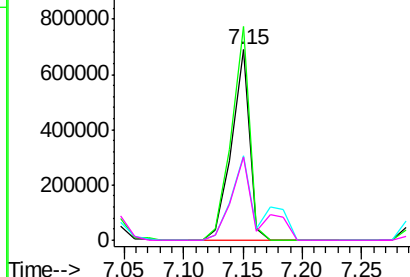
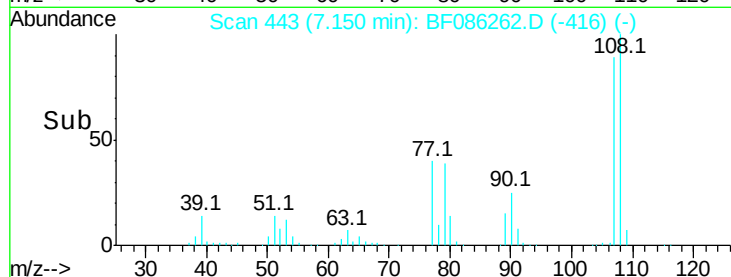
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	92.7	139.1	
77	44.4	39.6	59.4	
79	43.4	37.4	56.2	

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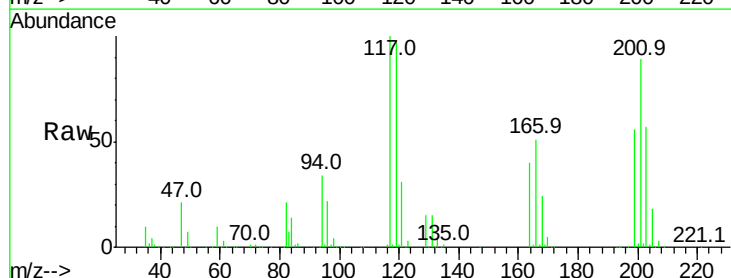


Abundance Ion 107.00 (106.70 to 107.70): E
 1200000 Ion 108.00 (107.70 to 108.70): E
 1000000 Ion 77.00 (76.70 to 77.70): BF0
 800000 Ion 79.00 (78.70 to 79.70): BF0
 600000
 400000
 200000
 0

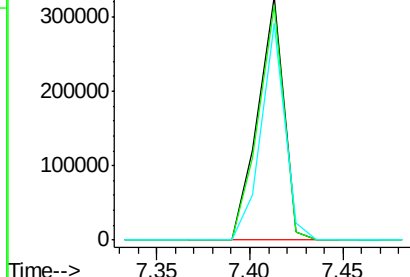
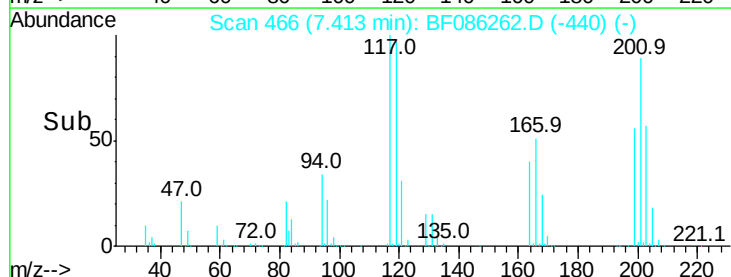


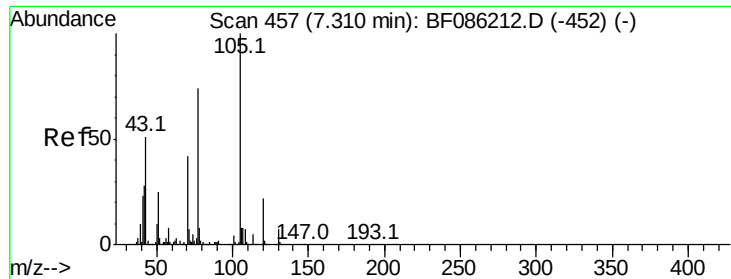
#18
 Hexachloroethane
 Concen: 42.86 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	78.2	117.4	
201	88.9	75.7	113.5	



Abundance Ion 117.00 (116.70 to 117.70): E
 400000 Ion 119.00 (118.70 to 119.70): E
 300000 Ion 201.00 (200.70 to 201.70): E
 200000
 100000
 0





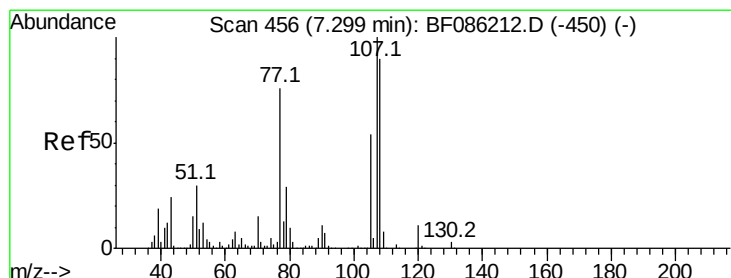
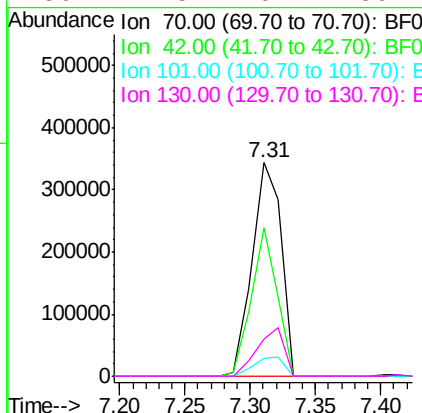
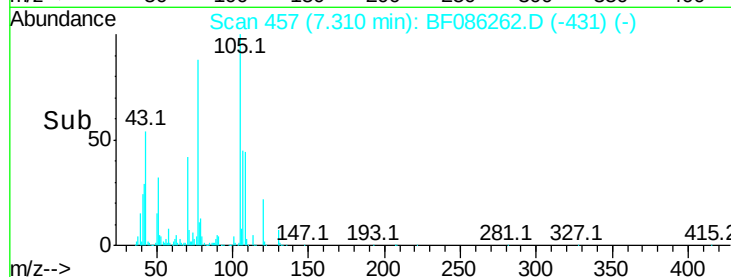
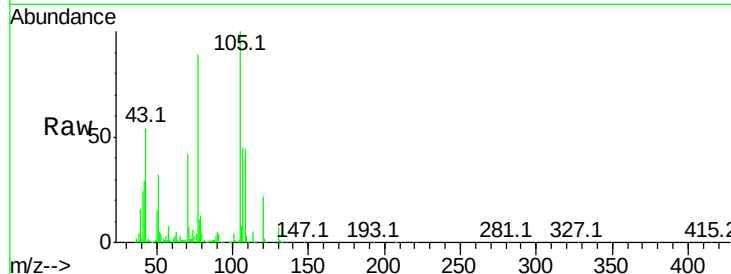
#19
n-Nitroso-di-n-propylamine
Concen: 39.10 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.5	43.0	64.4#
101	8.4	8.1	12.1
130	17.5	20.1	30.1#

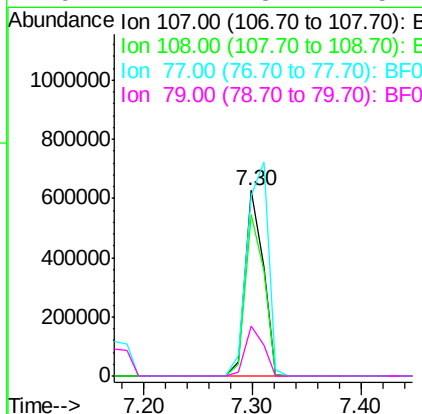
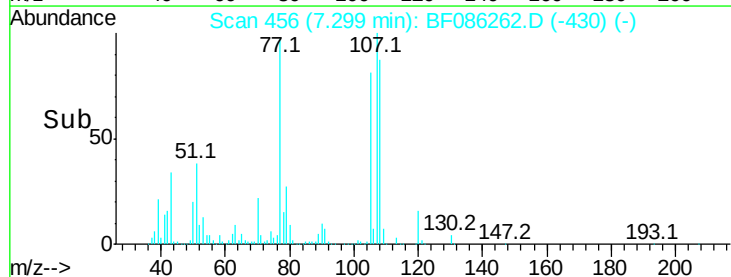
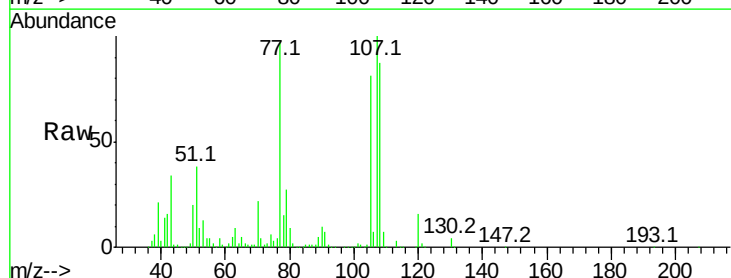
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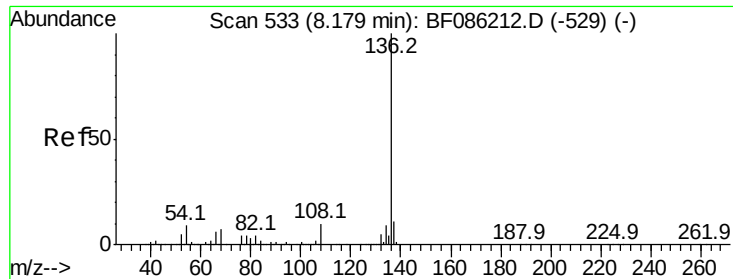
Sohil
4/18/2016 7:33:44 PM



#20
3+4-Methylphenols
Concen: 39.95 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.0	69.7	109.7
77	97.2	60.5	100.5
79	27.1	8.1	48.1





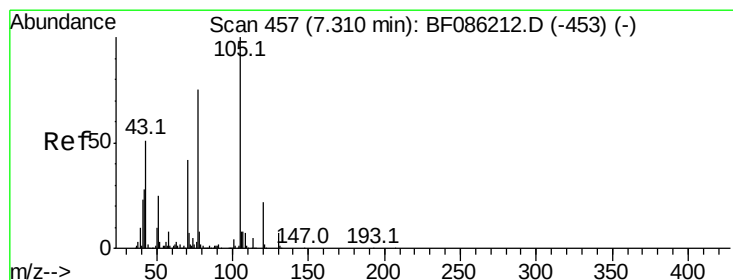
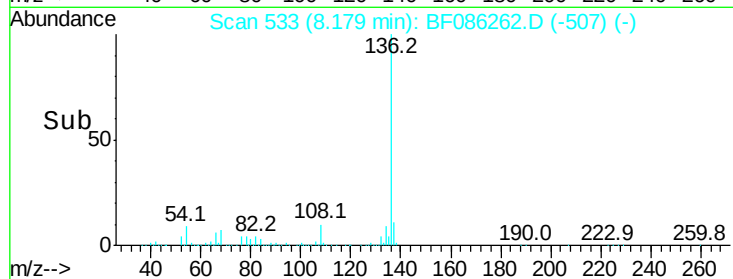
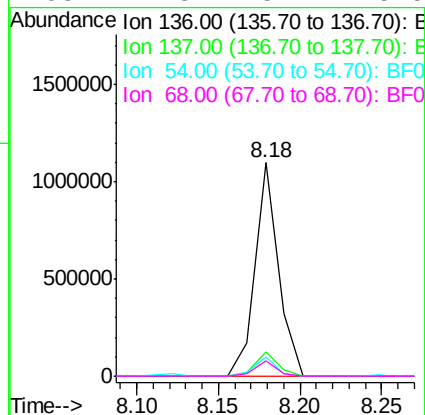
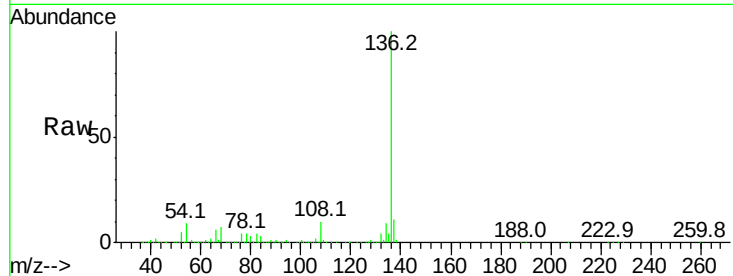
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1094452		
137	11.5		9.1	13.7
54	9.0		7.3	10.9
68	7.3		5.7	8.5

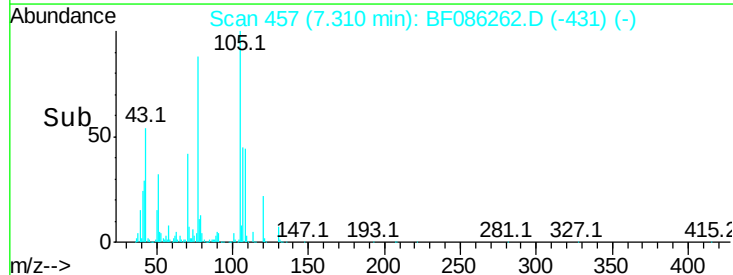
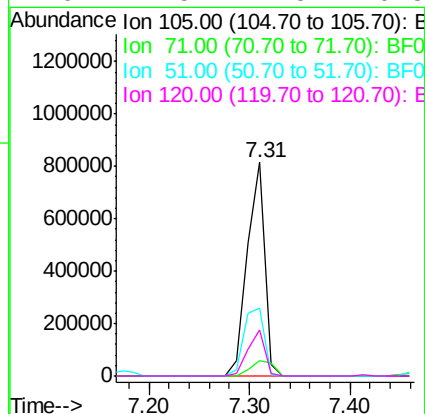
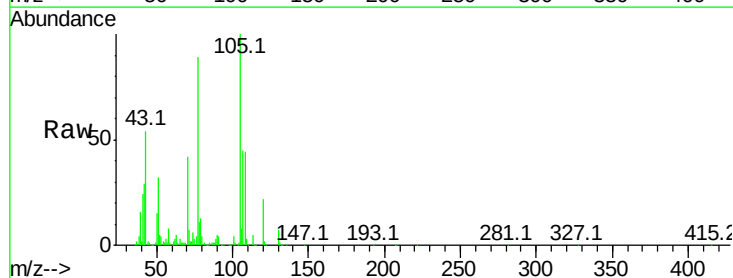
Manual Integrations
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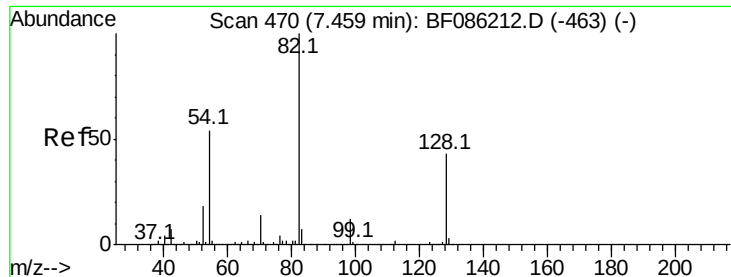
Sohil
4/18/2016 7:33:44 PM



#22
Acetophenone
Concen: 48.93 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	980571		
71	7.1		4.0	6.0#
51	31.8		22.0	33.0
120	21.5		17.5	26.3





#23

Nitrobenzene-d5

Concen: 88.63 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion: 82 Resp: 1681753

Ion Ratio Lower Upper

82 100

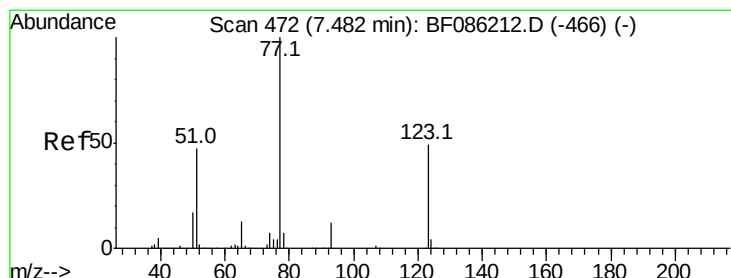
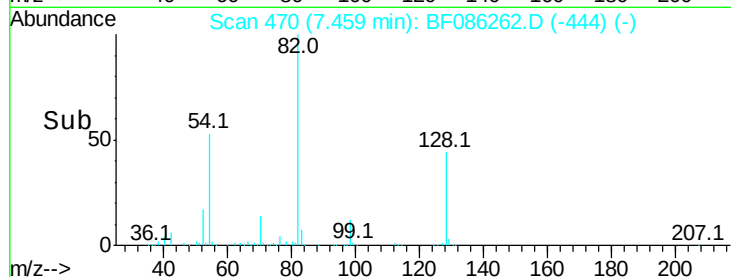
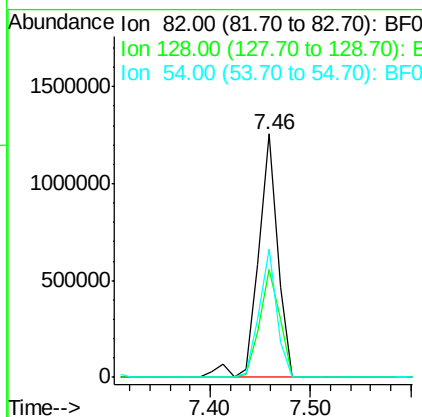
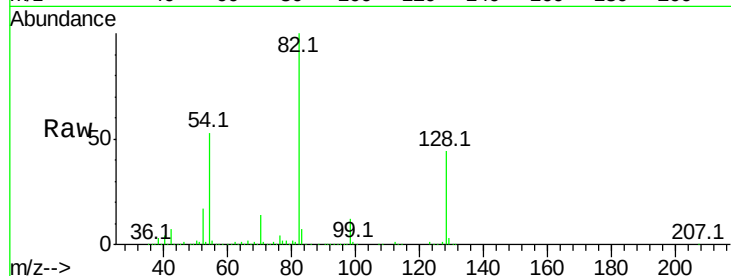
128 44.2 35.4 53.2

54 52.6 43.4 65.0

Manual Integrations
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#24

Nitrobenzene

Concen: 47.52 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

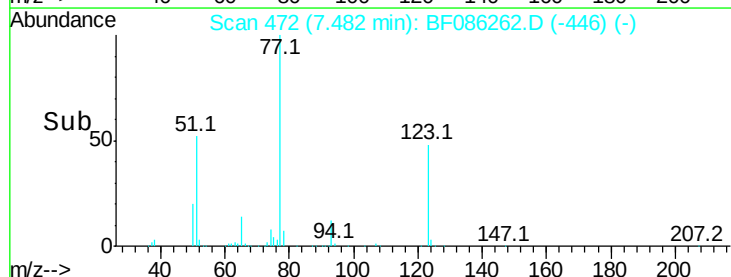
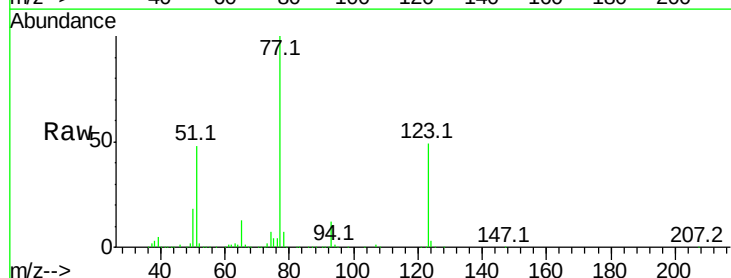
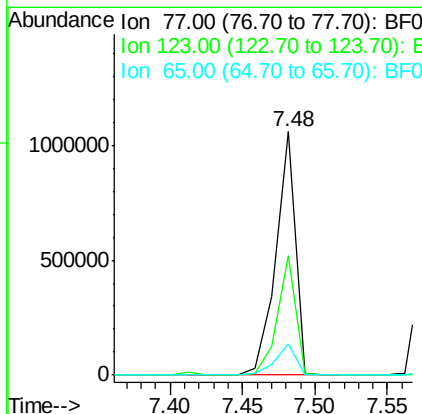
Tgt Ion: 77 Resp: 985998

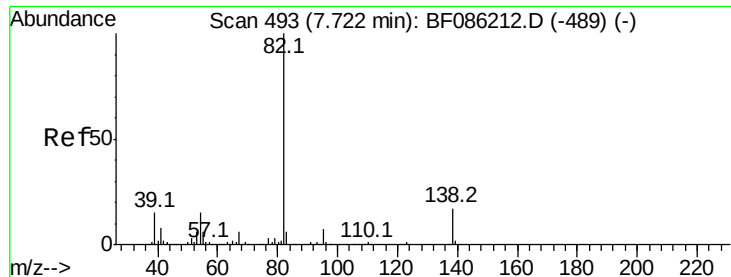
Ion Ratio Lower Upper

77 100

123 48.8 38.3 57.5

65 12.9 11.3 16.9





#25

Isophorone

Concen: 44.74 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion: 82 Resp: 1684760

Ion Ratio Lower Upper

82 100

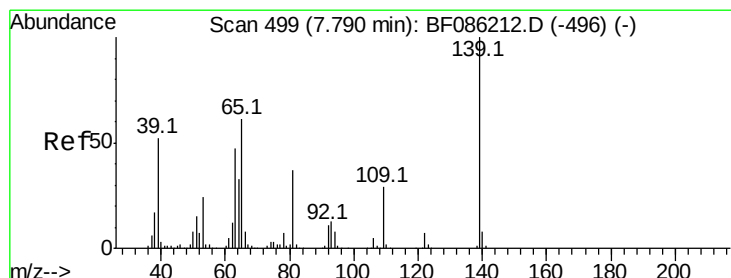
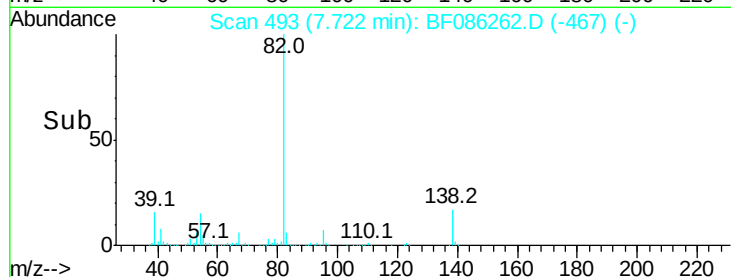
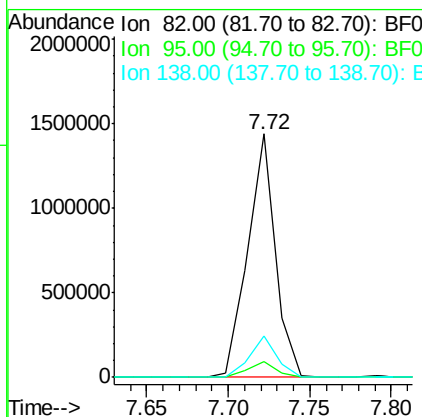
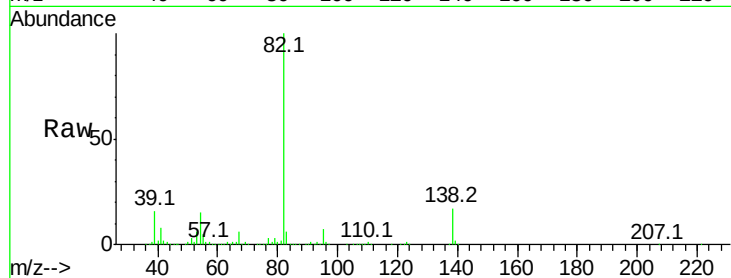
95 6.5 5.4 8.2

138 17.1 13.4 20.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.94 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

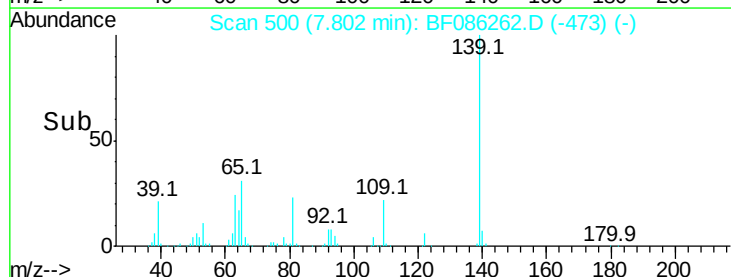
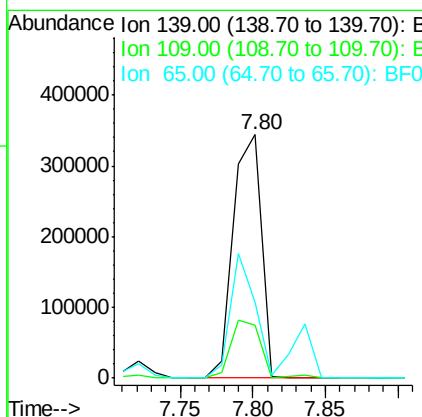
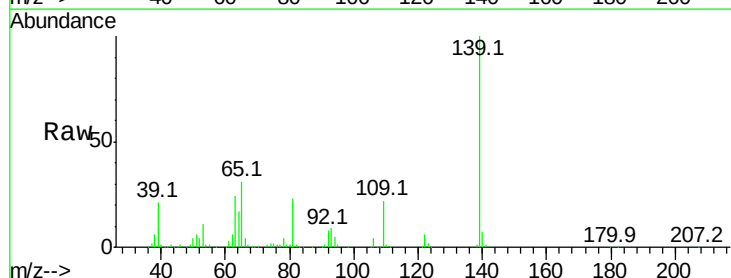
Tgt Ion: 139 Resp: 460830

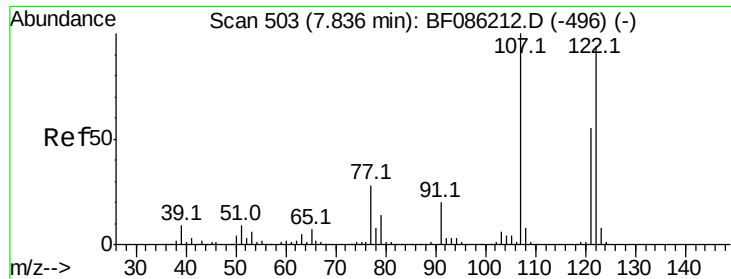
Ion Ratio Lower Upper

139 100

109 21.9 25.8 38.8#

65 31.3 50.2 75.2#





#27

2,4-Dimethylphenol

Concen: 44.10 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:122 Resp: 805662

Ion Ratio Lower Upper

122 100

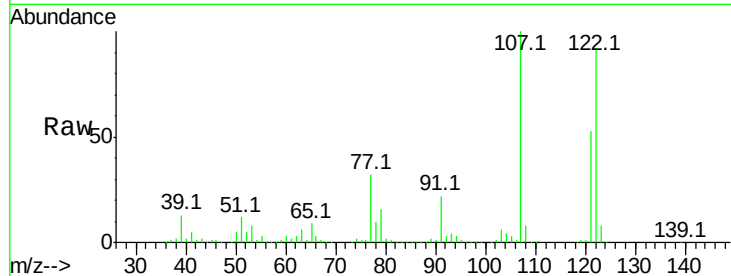
107 108.9 85.8 128.6

121 58.1 47.1 70.7

Manual Integrations
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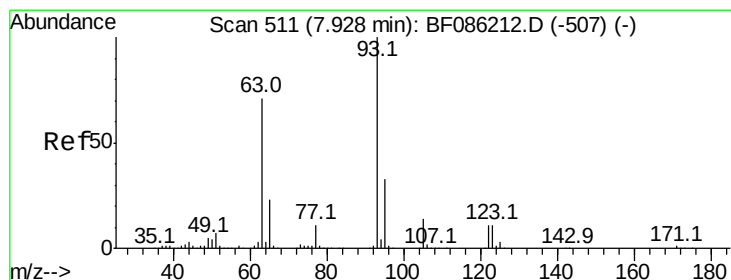
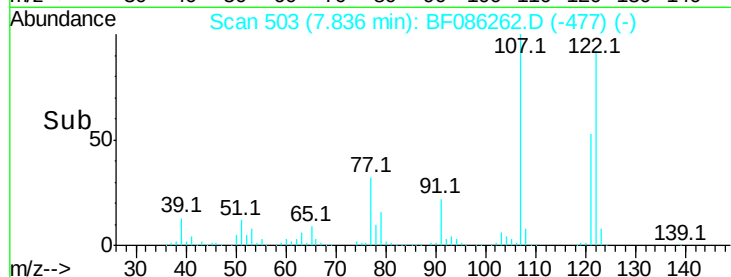
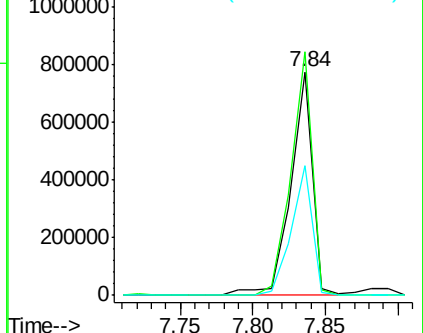
4/18/2016 7:33:44 PM



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: 46.71 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

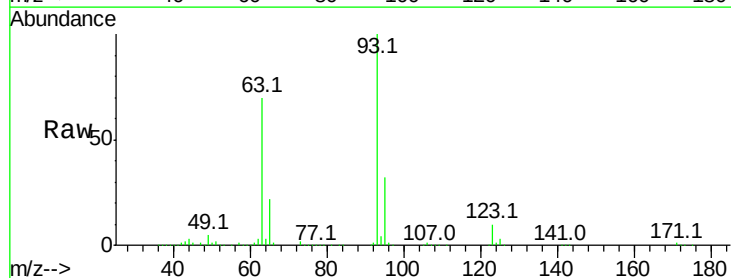
Tgt Ion: 93 Resp: 1033998

Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

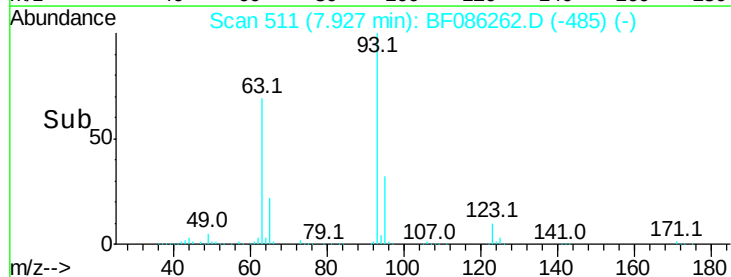
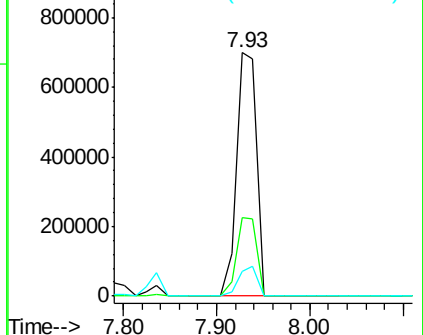
123 10.1 8.9 13.3

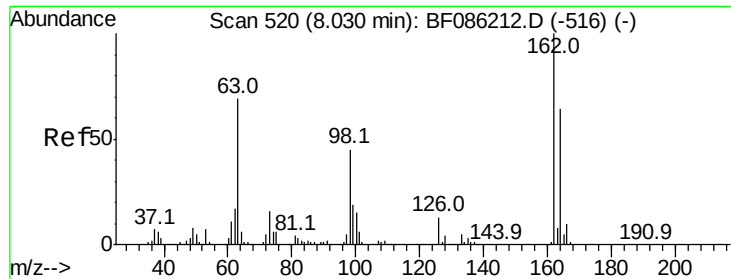


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 47.80 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

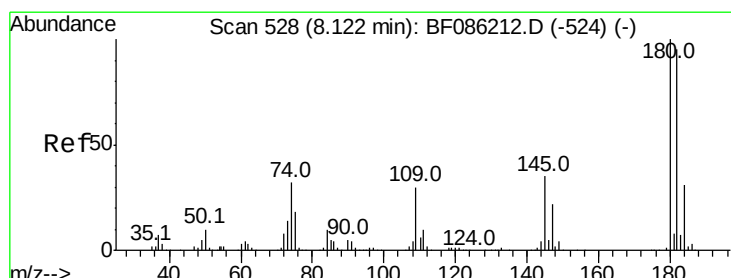
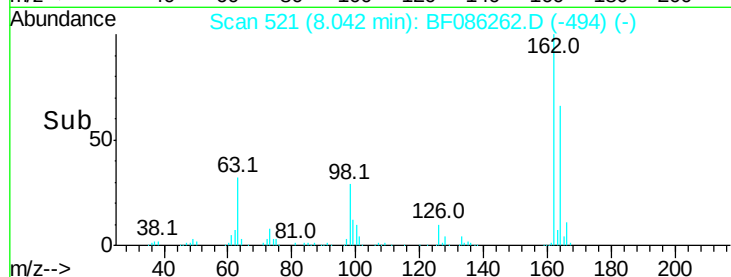
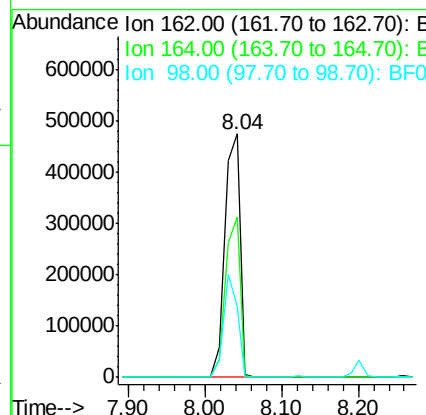
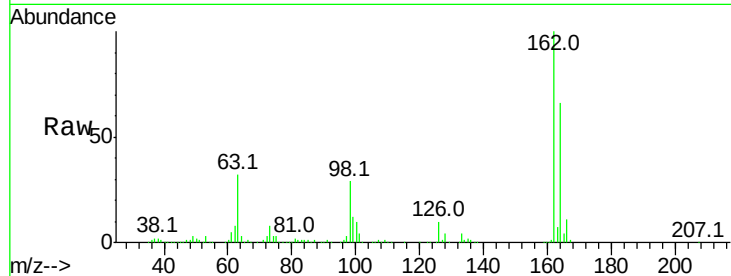
ClientSampleId :

CDMSH4MSD

Tot Ion:	162	Resp:	663893
Ion Ratio	Lower	Upper	
162	100		
164	65.9	43.3	83.3
98	29.3	22.9	62.9

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 43.84 ng

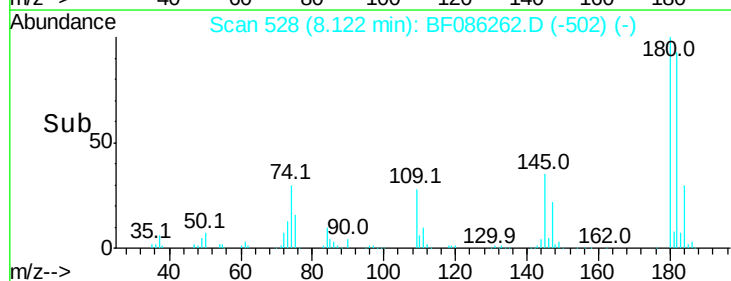
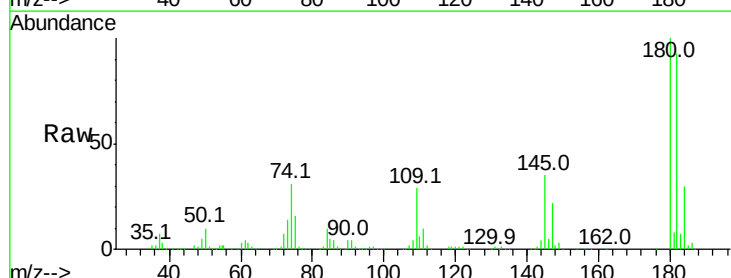
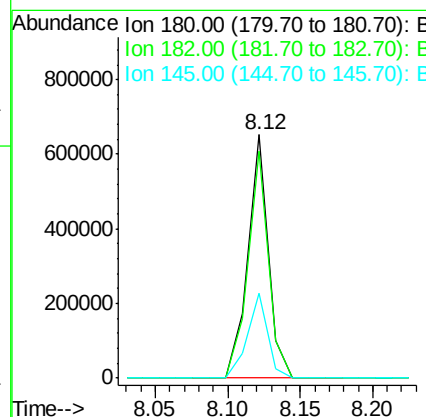
RT: 8.12 min Scan# 528

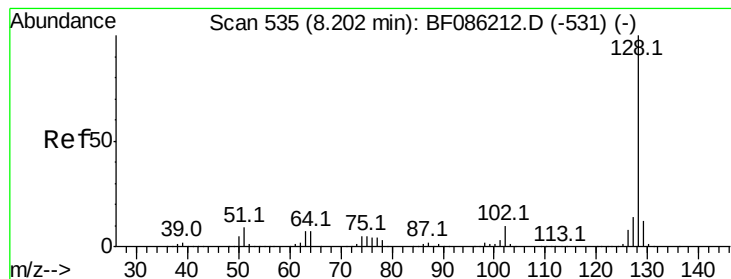
Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	180	Resp:	637183
Ion Ratio	Lower	Upper	
180	100		
182	93.3	76.3	114.5
145	34.7	27.4	41.2





#31

Naphthalene

Concen: 43.18 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:128 Resp: 2110542

Ion Ratio Lower Upper

128 100

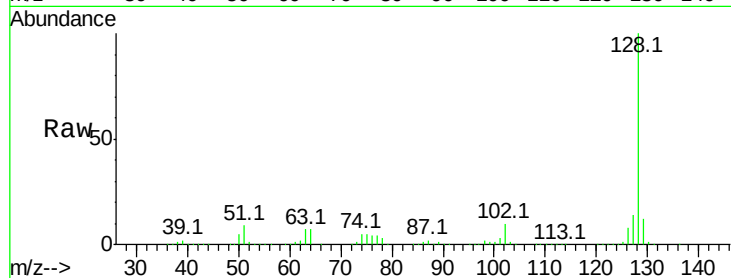
129 12.0 9.6 14.4

127 14.2 11.4 17.2

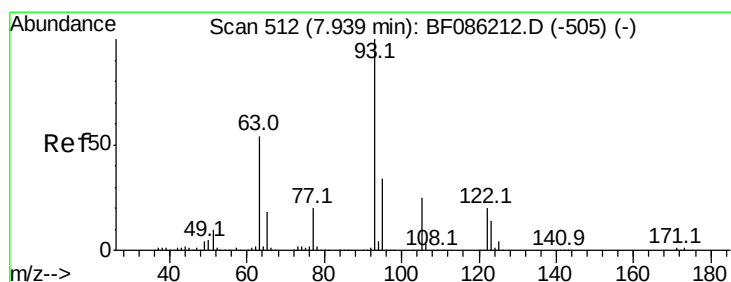
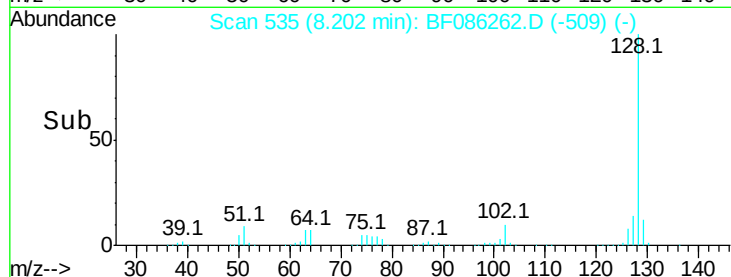
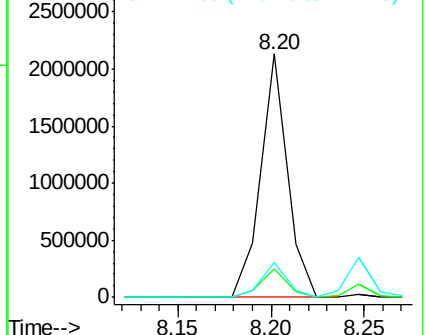
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.49 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.06 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

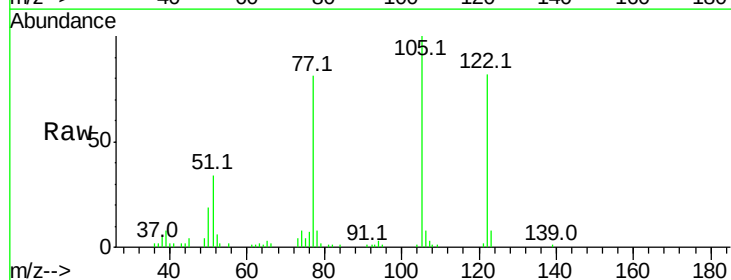
Tgt Ion:122 Resp: 40801

Ion Ratio Lower Upper

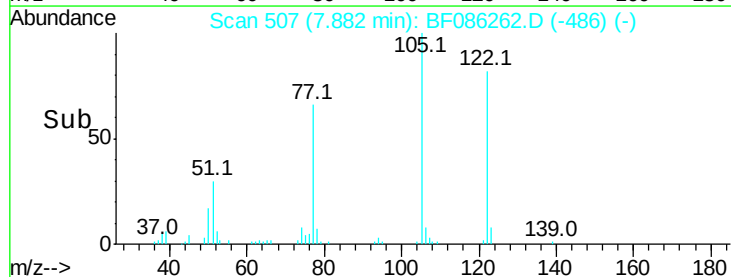
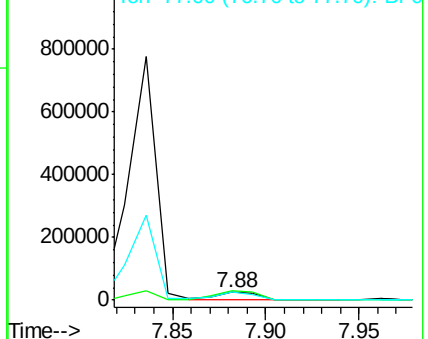
122 100

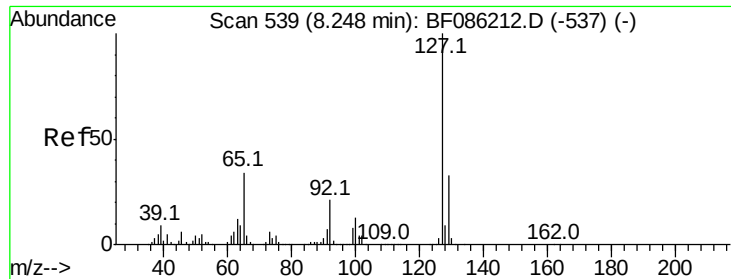
105 121.6 103.7 143.7

77 98.5 74.9 114.9



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





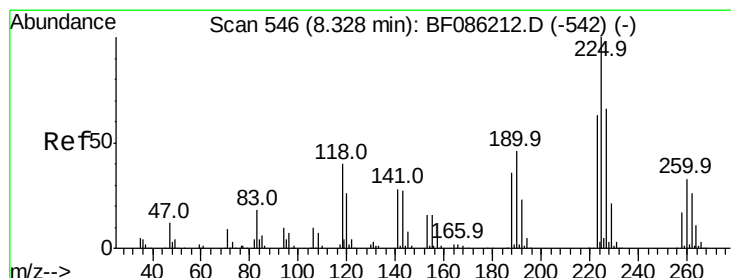
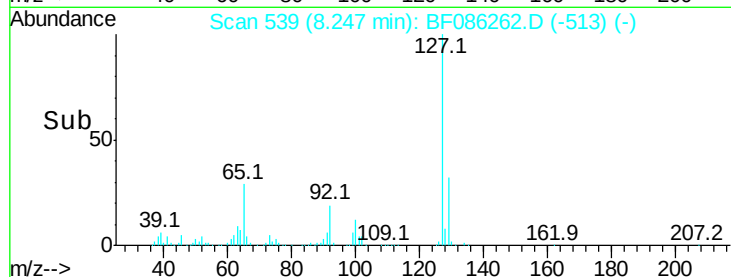
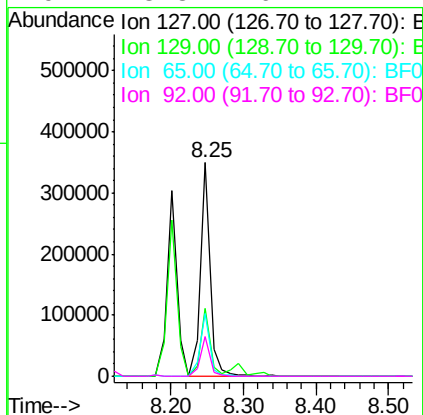
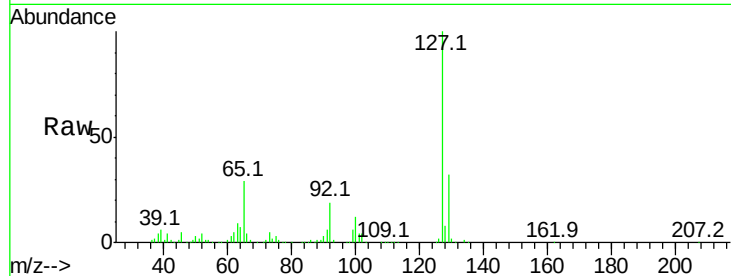
#33
4-Chloroaniline
Concen: 14.99 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.8	40.2		
65	29.2	27.1	40.7		
92	18.8	16.2	24.2		

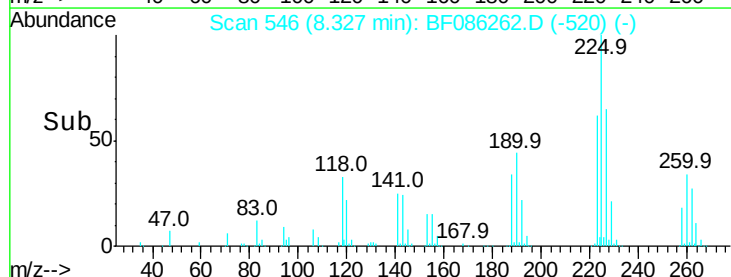
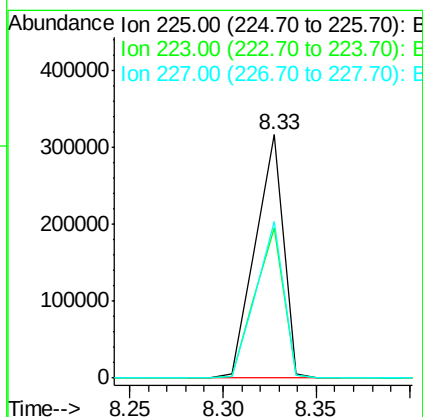
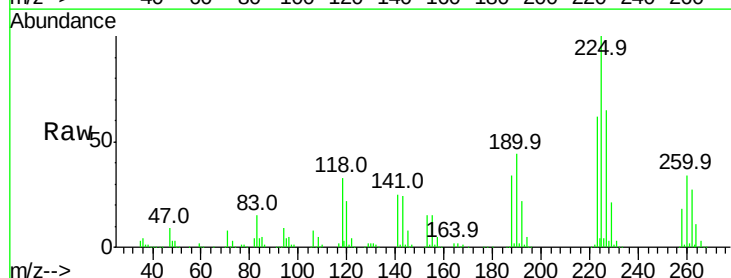
Manual Integrations
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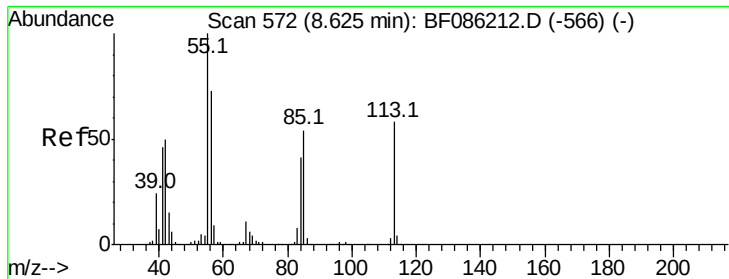
Sohil
4/18/2016 7:33:44 PM



#34
Hexachlorobutadiene
Concen: 45.13 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.6	49.4	74.0		
227	64.5	51.1	76.7		





#35

Caprolactam

Concen: 50.33 ng/ml

RT: 8.61 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

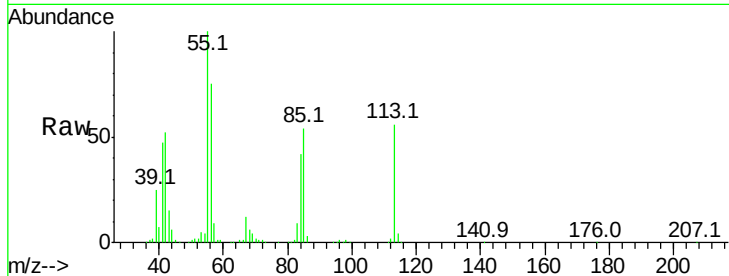
ClientSampleId :

CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	178.4	117.5	157.5#	
56	133.8	82.5	122.5#	

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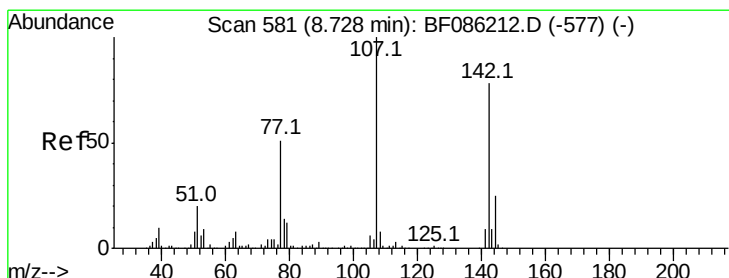
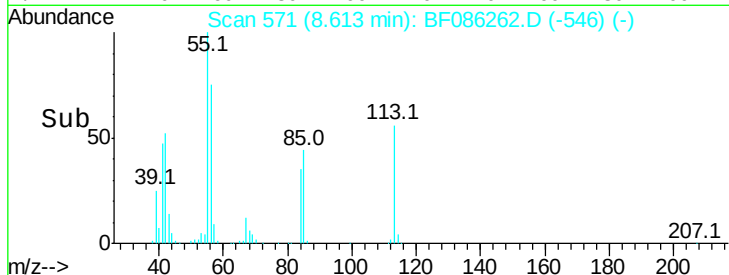
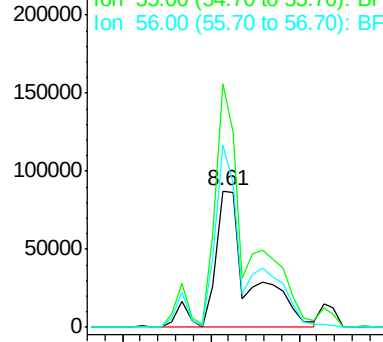


Abundance

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: 47.63 ng/ml

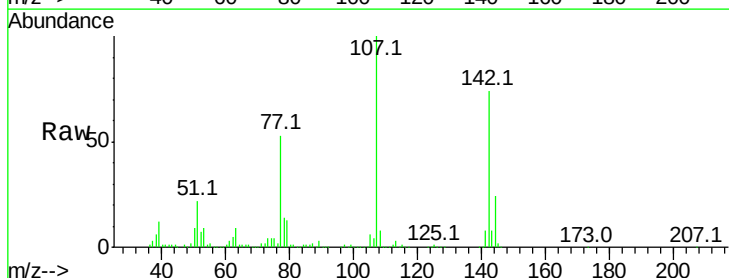
RT: 8.73 min Scan# 581

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	23.6	20.7	31.1	
142	73.6	64.5	96.7	

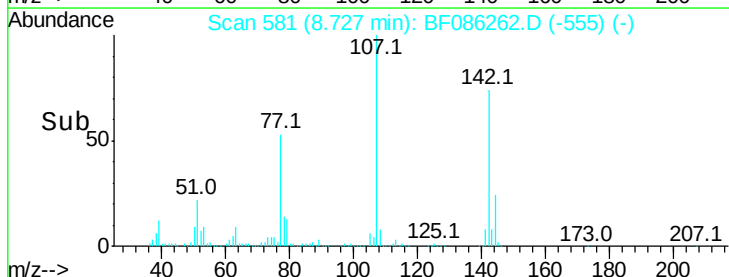
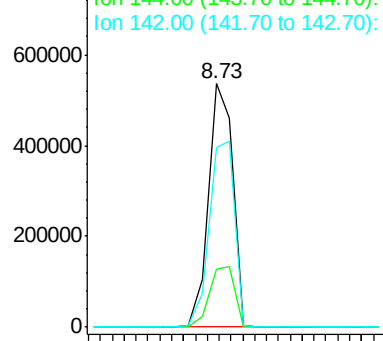


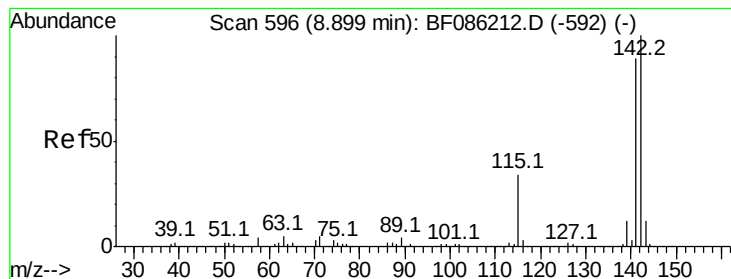
Abundance

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: 47.71 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:142 Resp: 1507572

Ion Ratio Lower Upper

142 100

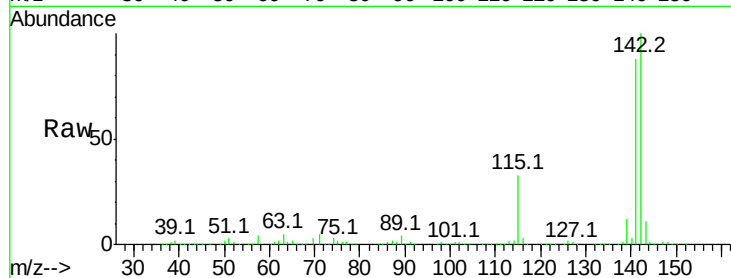
141 88.1 71.1 106.7

115 33.0 25.1 37.7

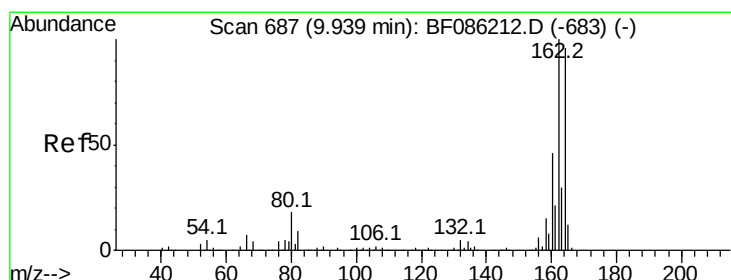
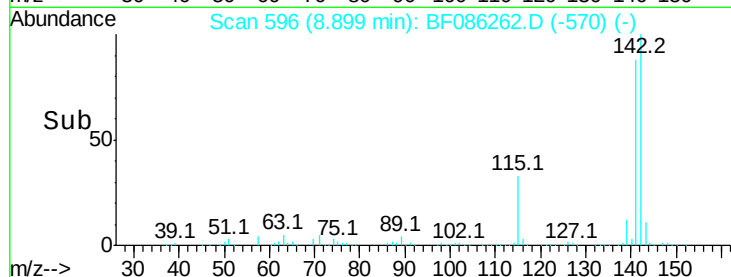
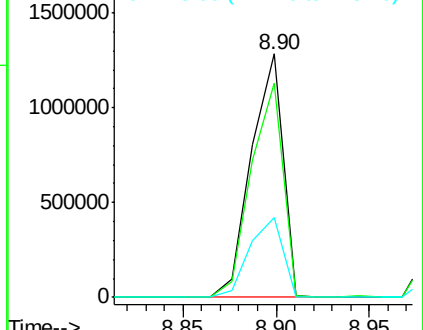
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

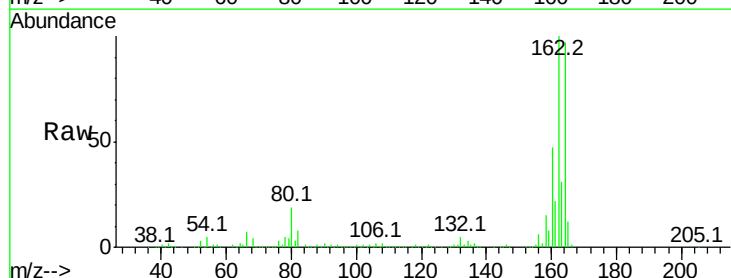
Tgt Ion:164 Resp: 504141

Ion Ratio Lower Upper

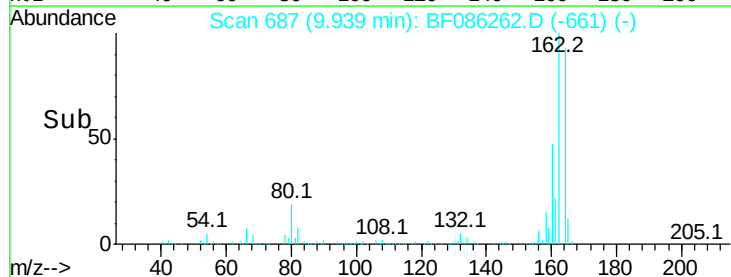
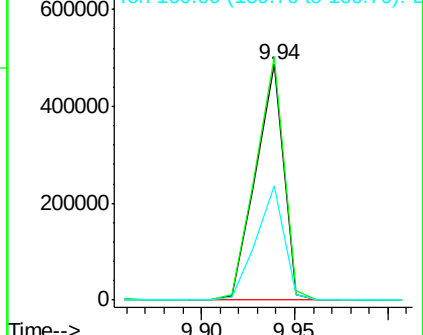
164 100

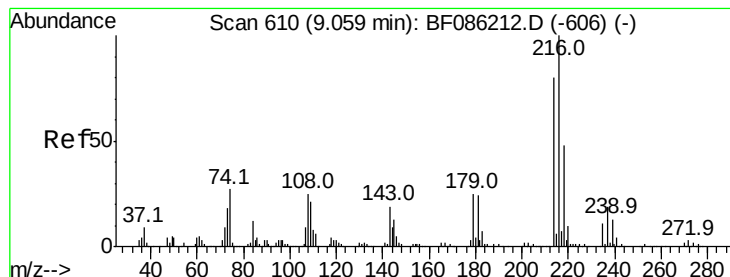
162 103.4 82.8 124.2

160 48.7 38.9 58.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.01 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

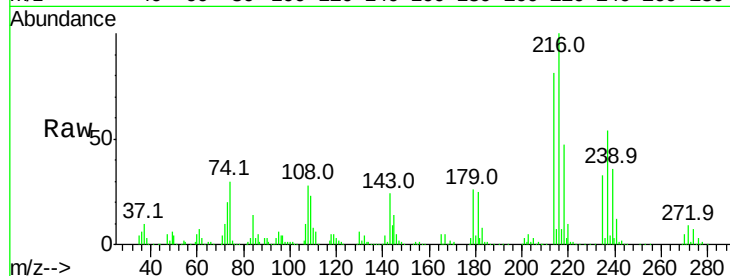
ClientSampleId :

CDMSH4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		453081		
214	80.1		64.9	97.3	
179	23.7		19.8	29.6	
108	27.4		21.0	31.4	

Manual Integrations
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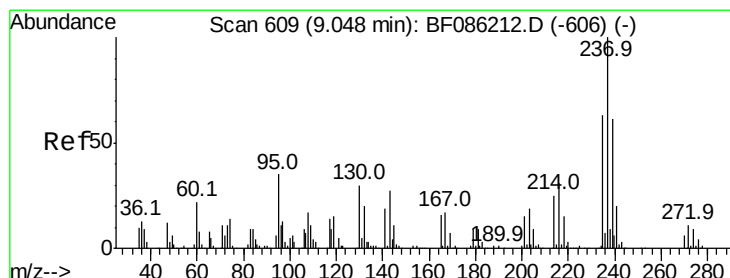
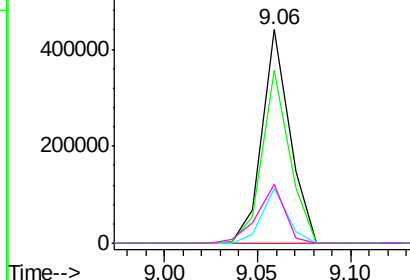
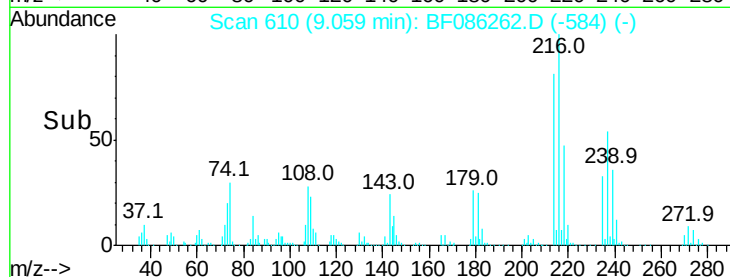


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 80.93 ng

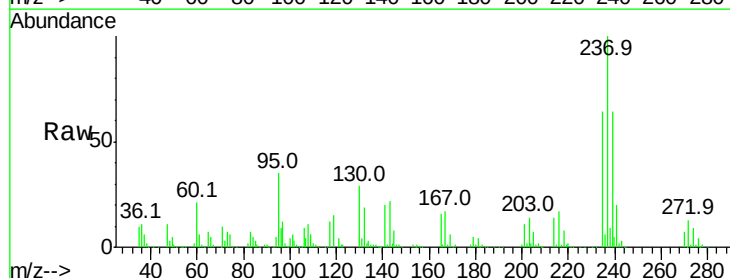
RT: 9.05 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

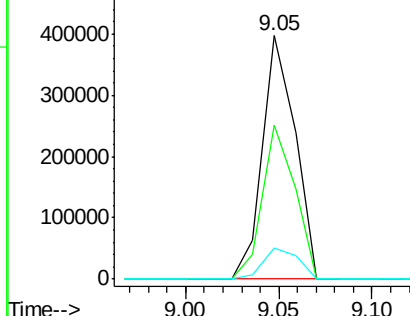
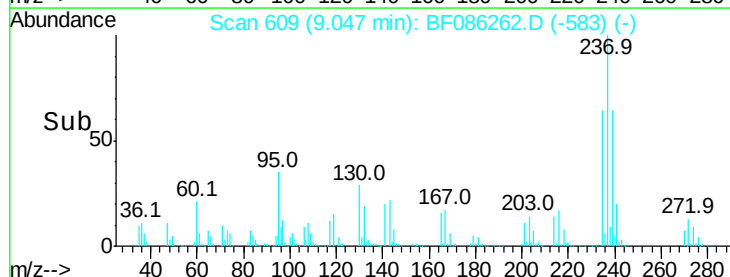
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		480933		
235	63.5		44.0	84.0	
272	12.6		0.0	32.4	

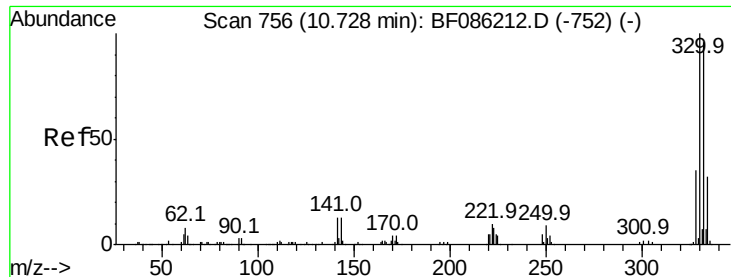


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 114.19 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

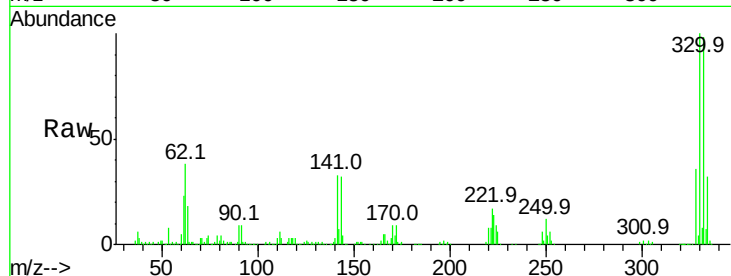
ClientSampleId :

CDMSH4MSD

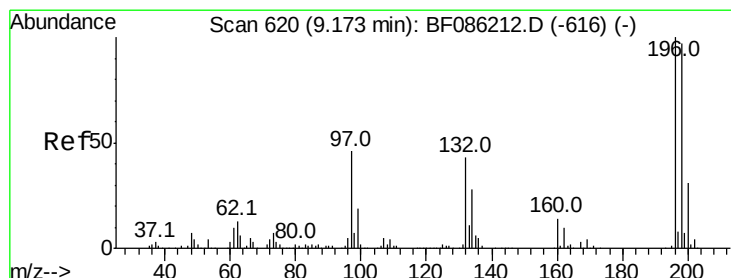
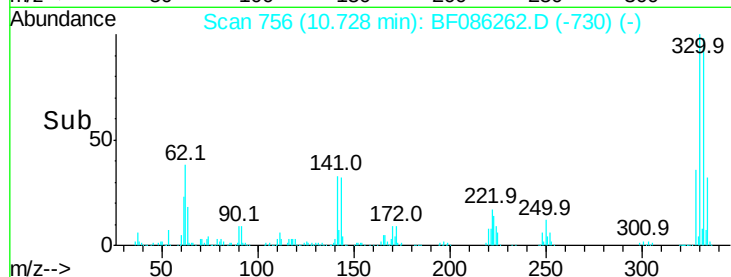
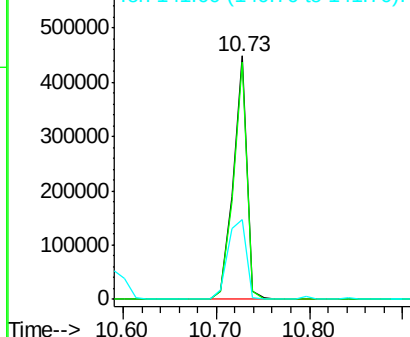
Tot Ion	Ratio	Resp	Lower	Upper
330	100	462283		
332	97.0	78.7	118.1	
141	44.5	28.6	42.8#	

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



#42

2,4,6-Trichlorophenol

Concen: 44.21 ng

RT: 9.17 min Scan# 620

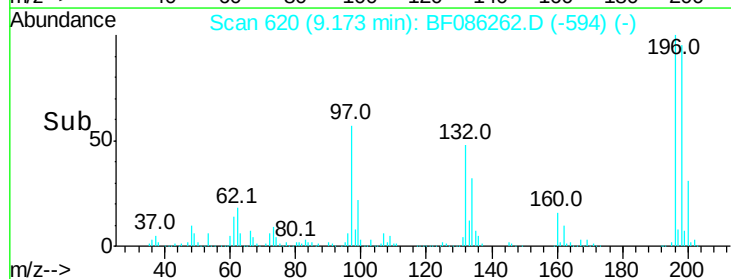
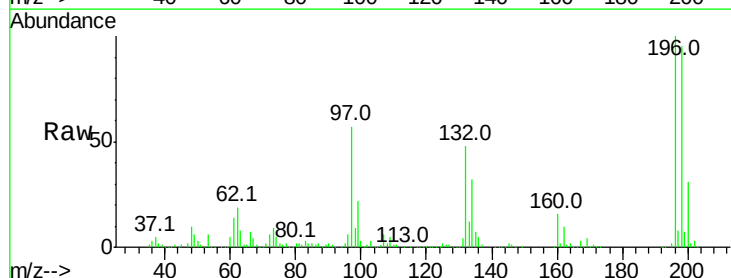
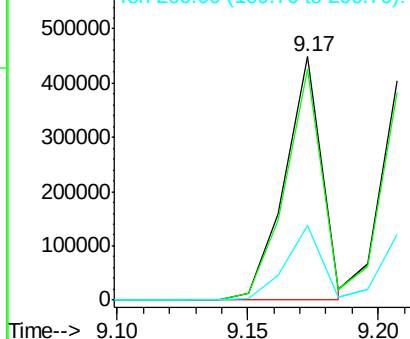
Delta R.T. -0.00 min

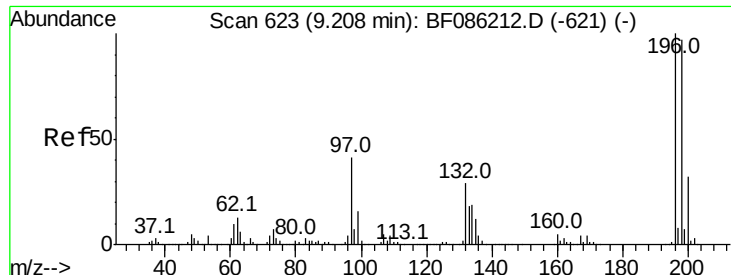
Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	439041		
198	95.1	76.6	115.0	
200	30.7	25.3	37.9	

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





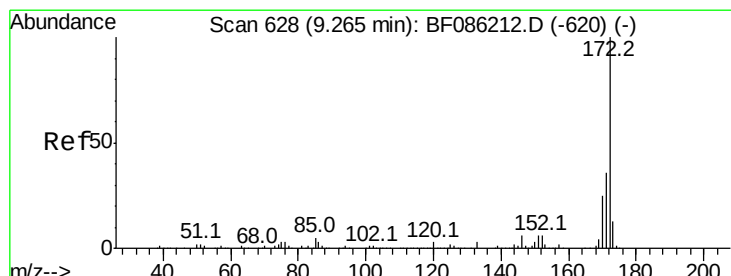
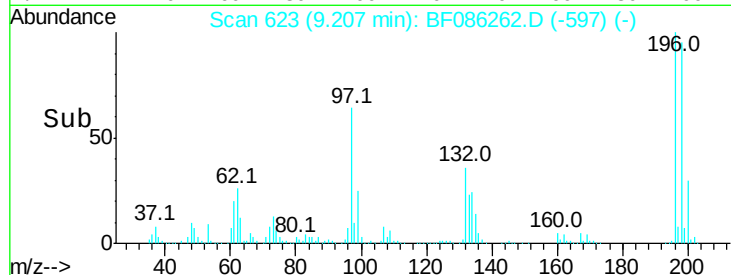
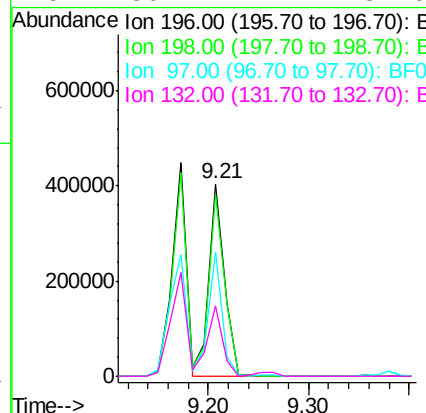
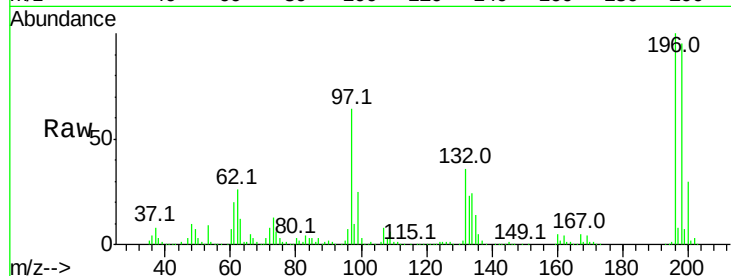
#43
 2,4,5-Trichlorophenol
 Concen: 45.06 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	432292		
198	94.6	77.7	116.5	
97	64.3	32.6	48.8	
132	36.4	21.4	32.0	

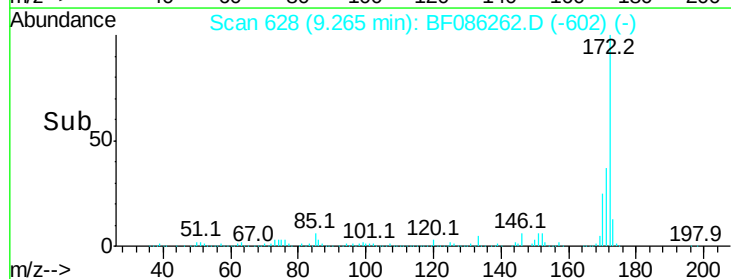
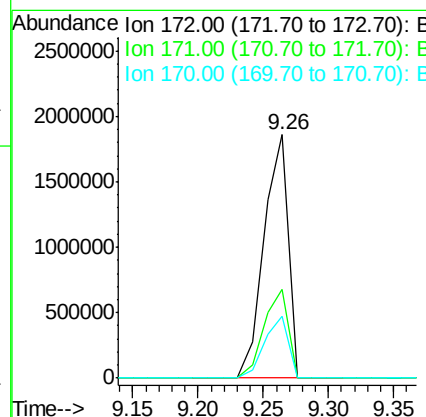
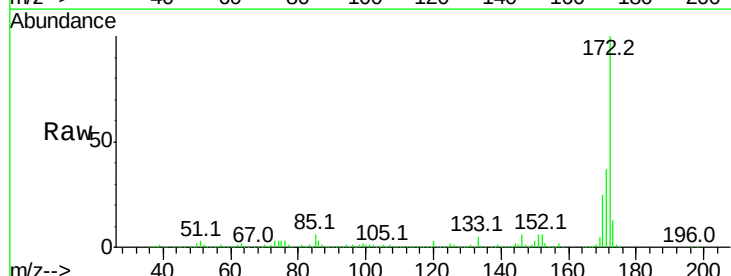
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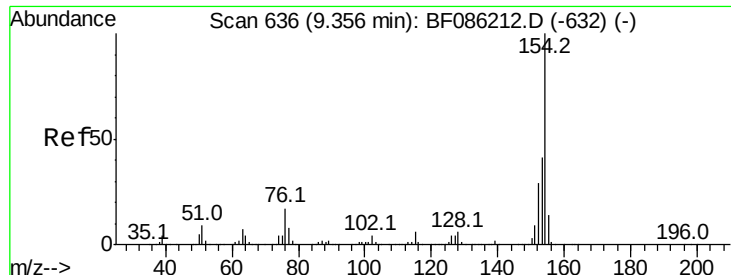
Sohil
 4/18/2016 7:33:44 PM



#44
 2-Fluorobiphenyl
 Concen: 88.18 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2409224		
171	36.7	29.1	43.7	
170	25.1	19.9	29.9	





#45

1,1'-Biphenyl

Concen: 41.41 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:154 Resp: 1503017

Ion Ratio Lower Upper

154 100

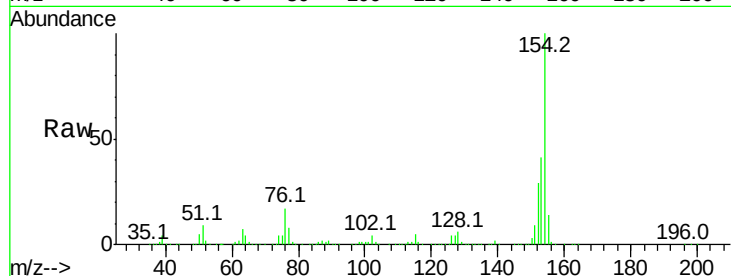
153 41.4 21.3 61.3

76 16.6 0.0 36.4

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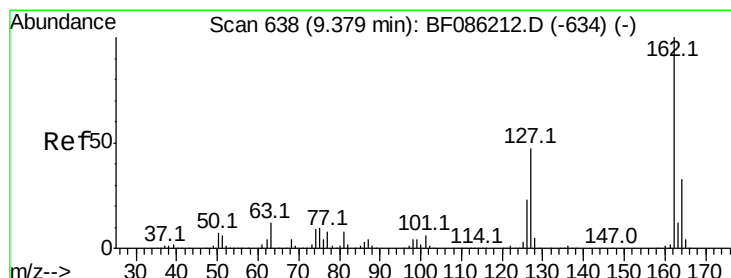
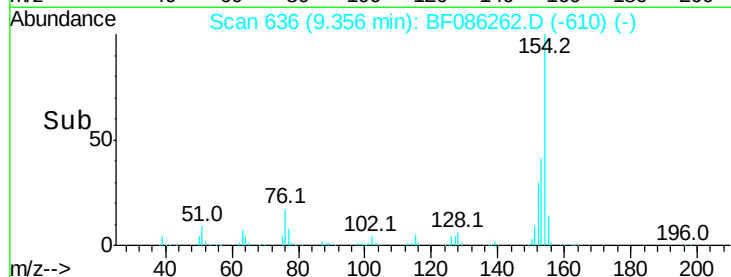
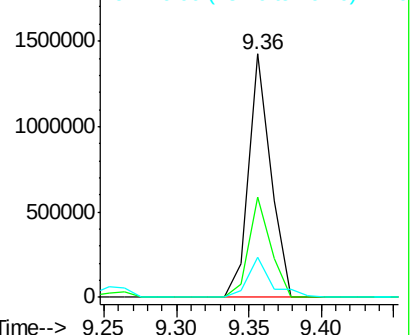
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.31 ng

RT: 9.38 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

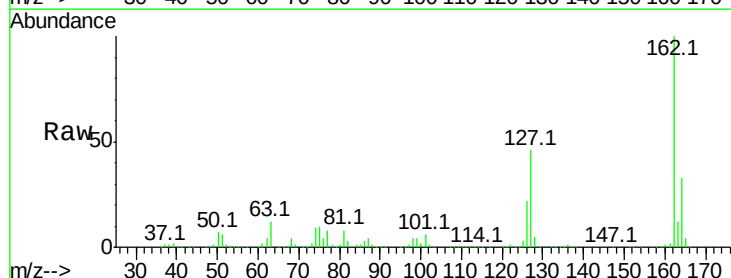
Tgt Ion:162 Resp: 1253629

Ion Ratio Lower Upper

162 100

127 46.4 36.7 55.1

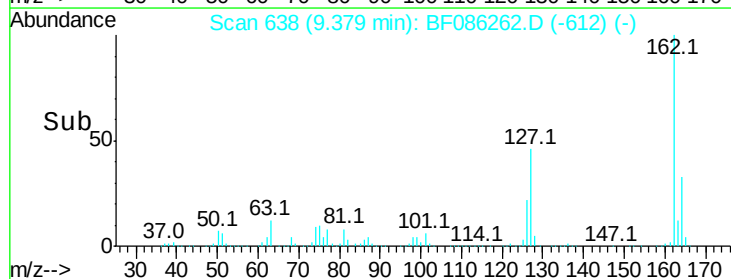
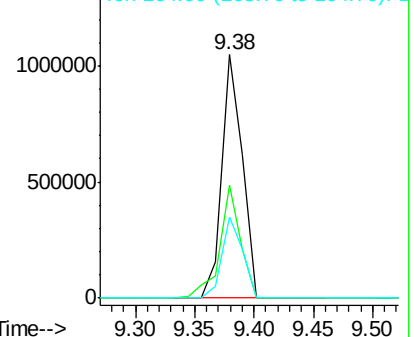
164 33.4 26.4 39.6

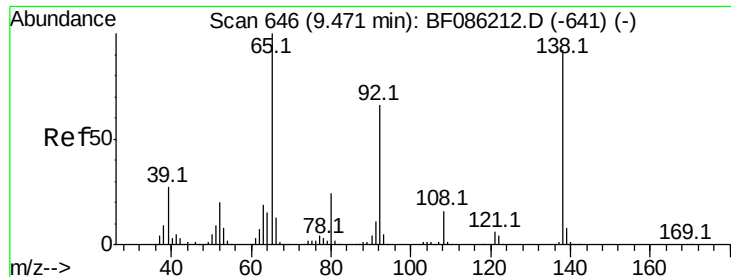


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.25 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

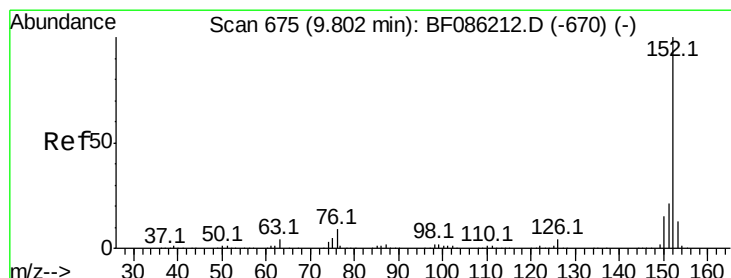
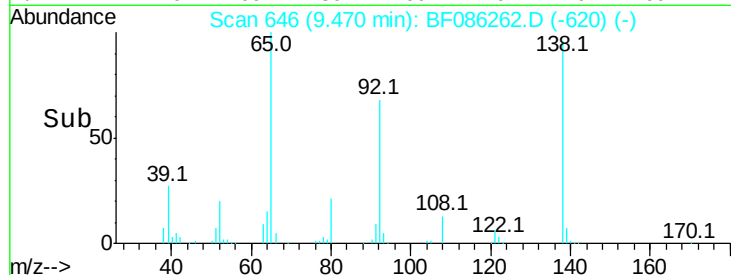
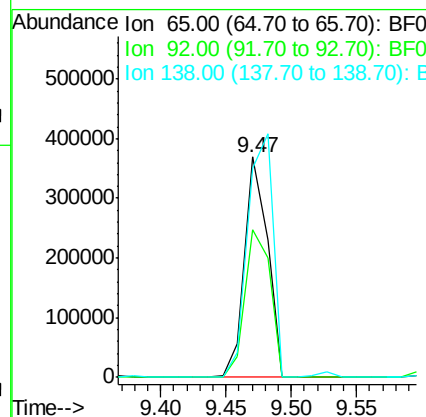
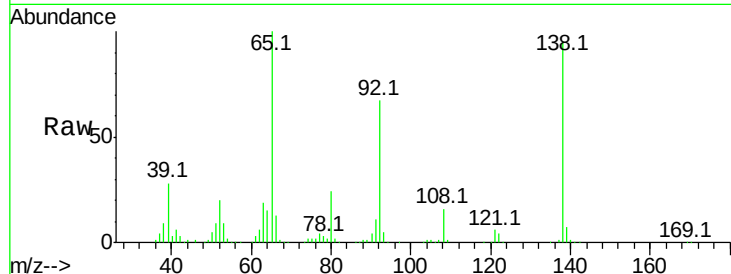
ClientSampled :

CDMSH4MSD

Tot Ion:	65	Resp:	453567
Ion	Ratio	Lower	Upper
65	100		
92	66.9	51.9	77.9
138	94.8	72.6	108.8

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#48

Acenaphthylene

Concen: 46.18 ng

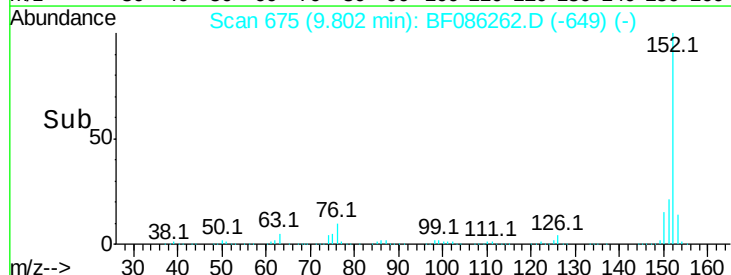
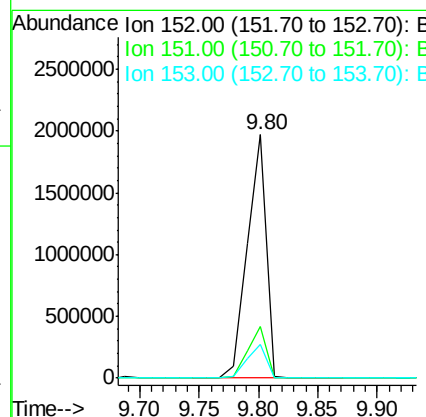
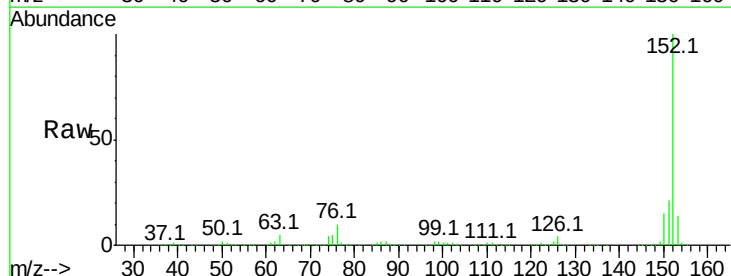
RT: 9.80 min Scan# 675

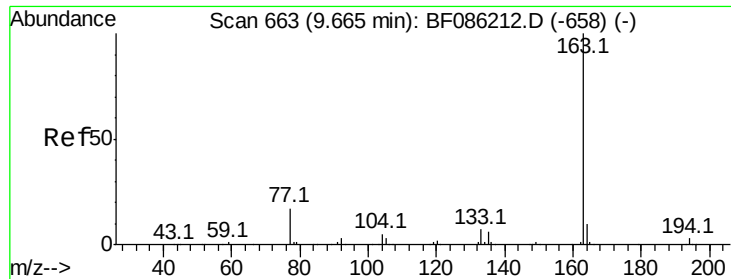
Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	152	Resp:	2177425
Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.2	25.8
153	13.8	10.7	16.1





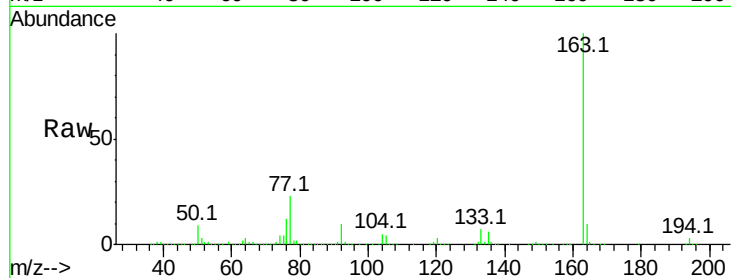
#49
Dimethylphthalate
Concen: 50.30 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

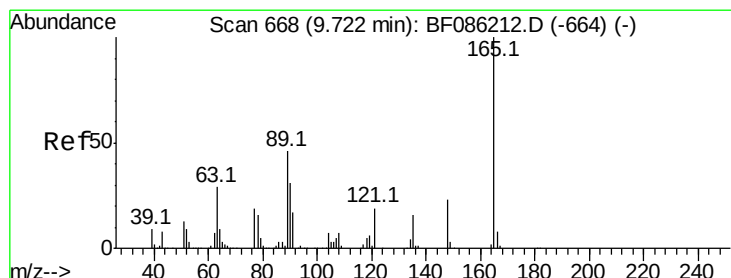
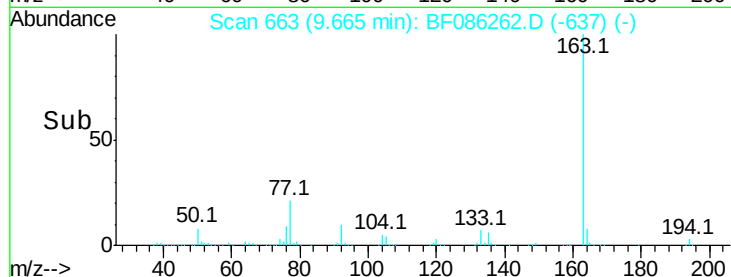
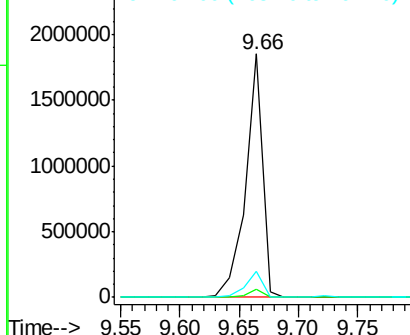
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	8.4	12.6

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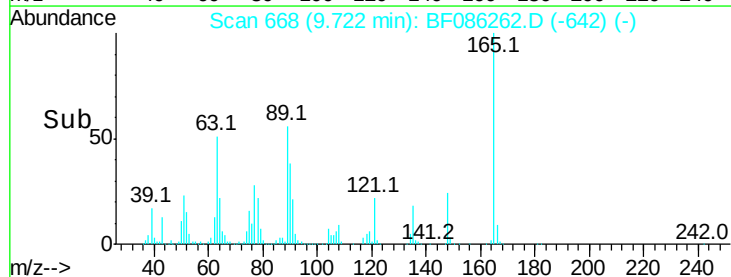
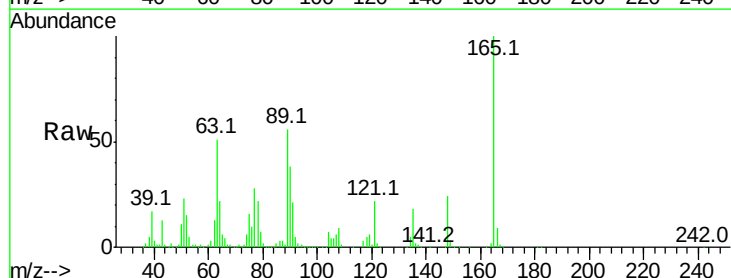
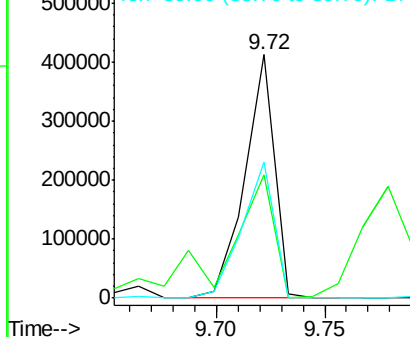
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

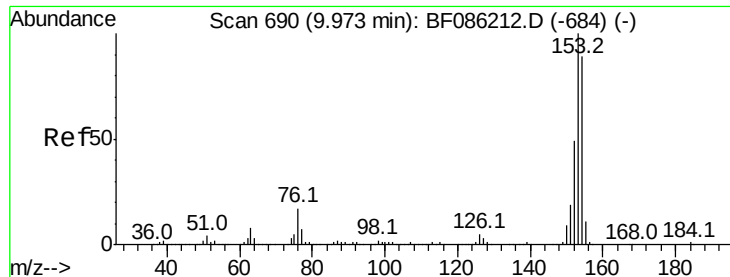


#50
2,6-Dinitrotoluene
Concen: 48.01 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.8	35.1	52.7
89	55.8	39.8	59.6

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





#51

Acenaphthene

Concen: 47.57 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:154 Resp: 1339766

Ion Ratio Lower Upper

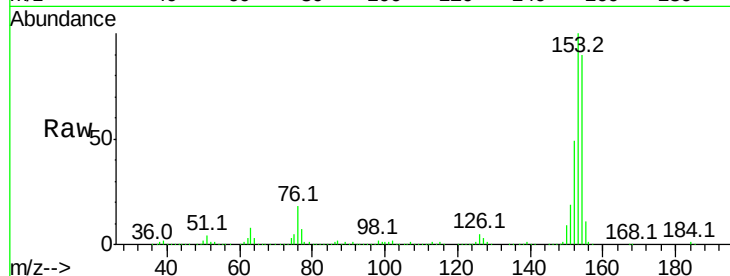
154 100

153 111.7 90.0 135.0

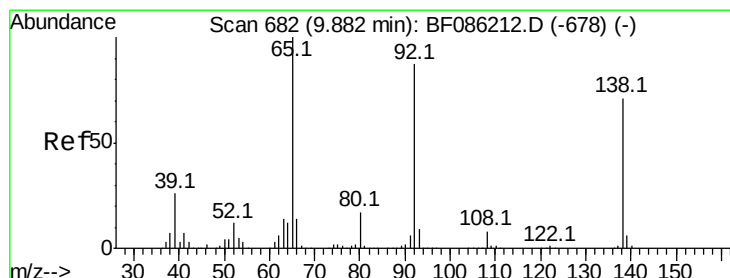
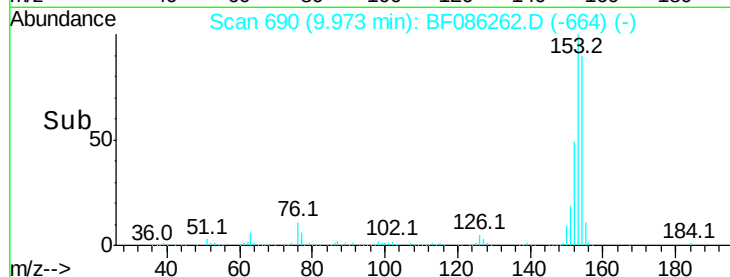
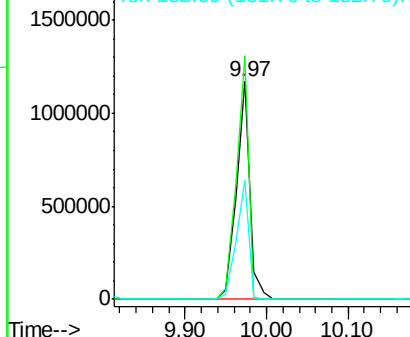
152 55.1 44.3 66.5

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 25.56 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

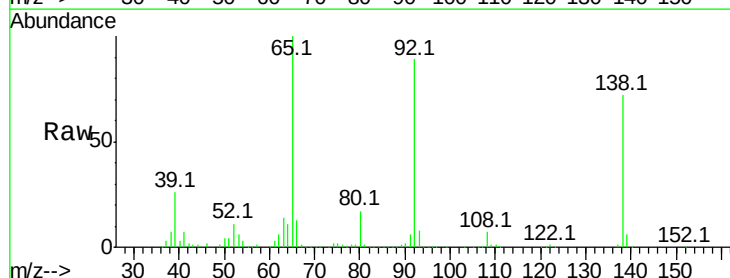
Tgt Ion:138 Resp: 251901

Ion Ratio Lower Upper

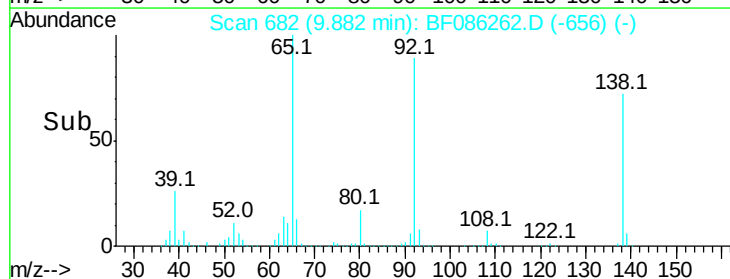
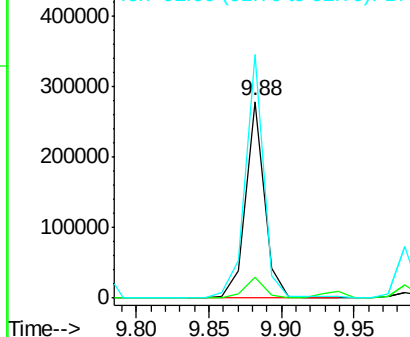
138 100

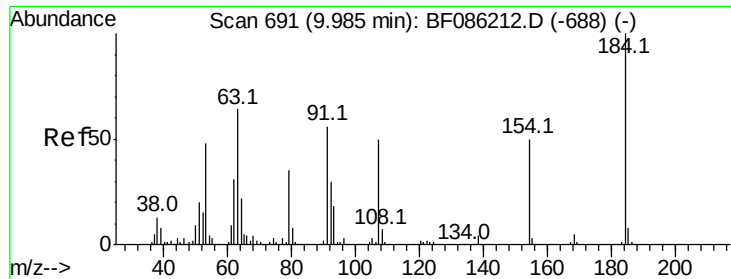
108 10.4 9.0 13.4

92 124.0 99.3 148.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





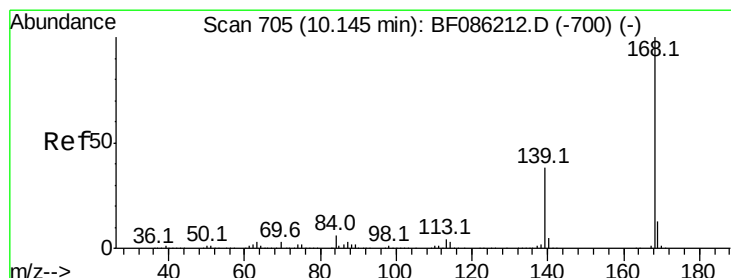
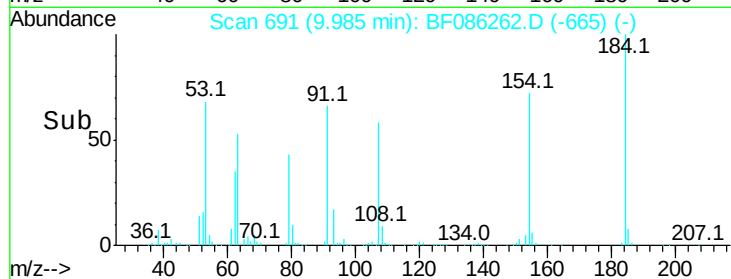
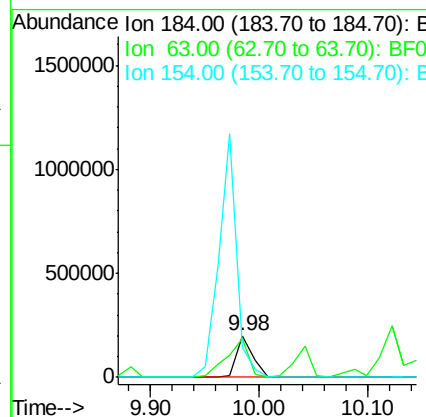
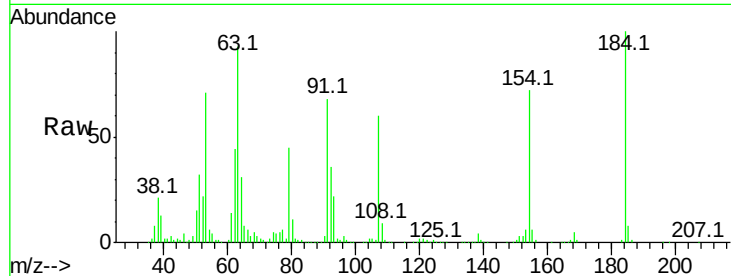
#53
2,4-Dinitrophenol
Concen: 69.03 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	205399		
63	93.1		64.7	97.1
154	71.8		59.4	89.2

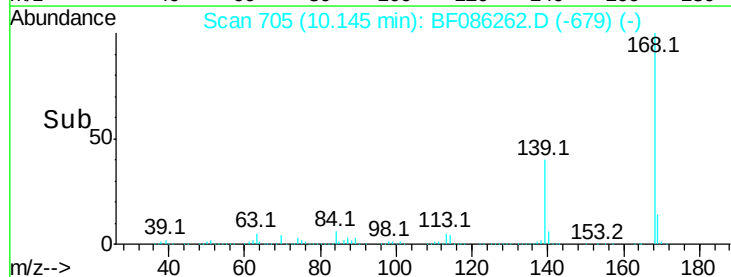
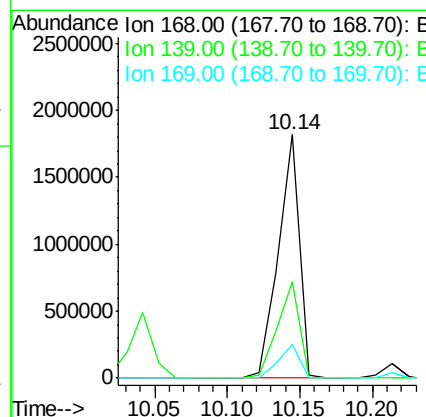
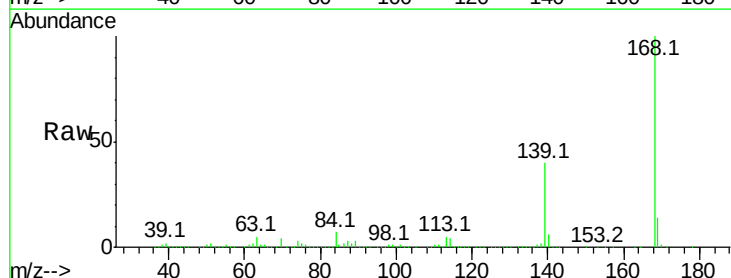
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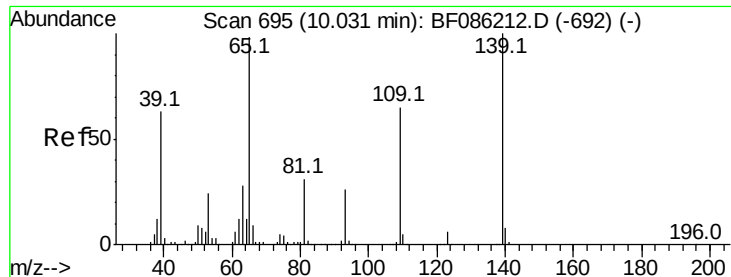
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#54
Dibenzofuran
Concen: 49.20 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1830182		
139	39.6		29.5	44.3
169	13.7		10.6	16.0





#55

4-Nitrophenol

Concen: 73.73 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

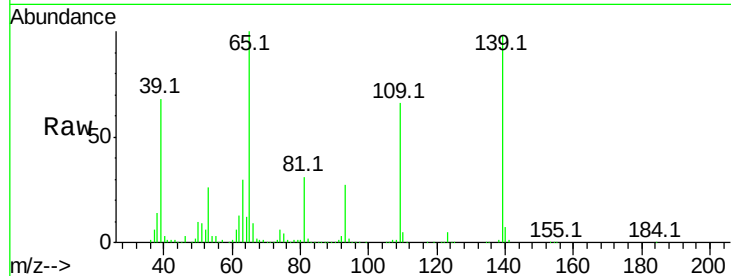
CDMSH4MSD

Manual Integrations
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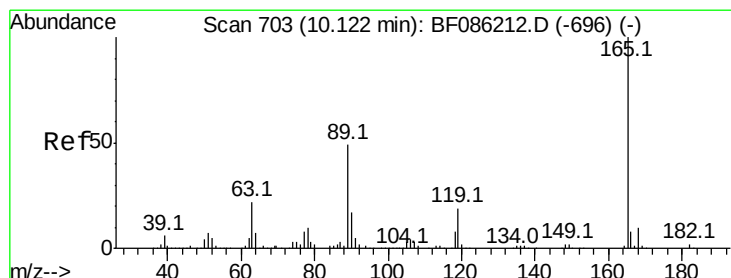
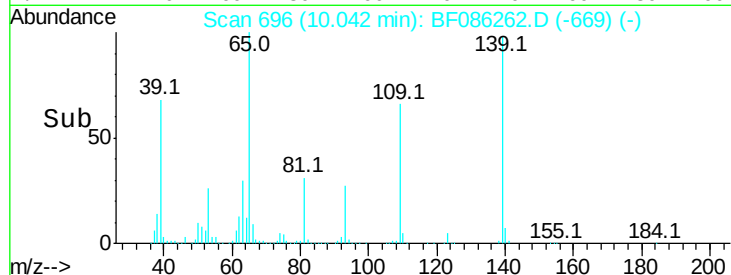
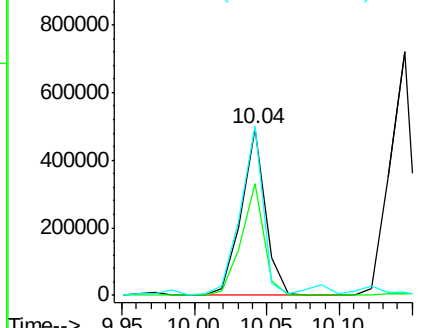
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Tot Ion:139	Resp:	568475
Ion Ratio	Lower	Upper
139 100		
109 66.9	55.0	95.0
65 101.7	87.3	127.3



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: 48.60 ng

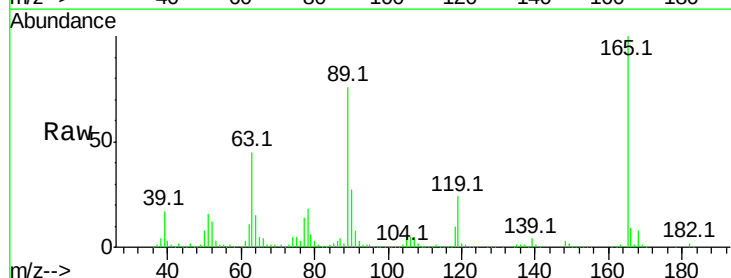
RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

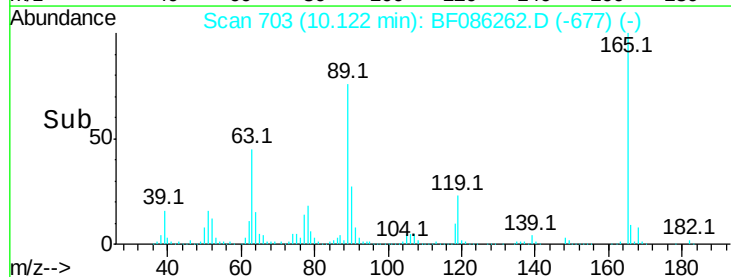
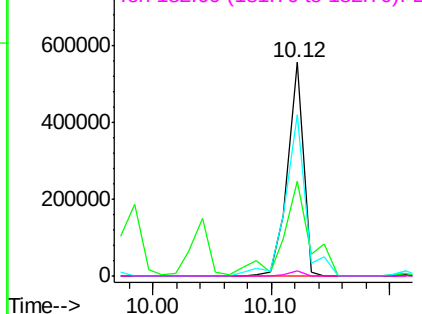
Lab File: BF086262.D

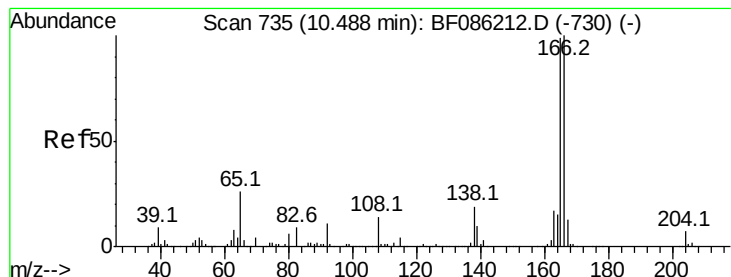
Acq: 16 Apr 2016 13:30

Tgt Ion:165	Resp:	504635
Ion Ratio	Lower	Upper
165 100		
63 44.6	26.6	40.0#
89 75.8	49.5	74.3#
182 2.2	1.9	2.9



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: 48.99 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:166 Resp: 1236682

Ion Ratio Lower Upper

166 100

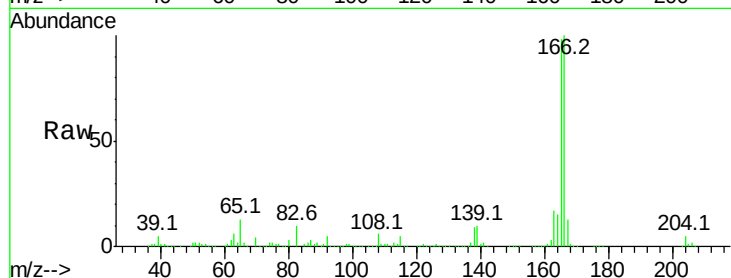
165 98.4 78.6 117.8

167 13.4 10.4 15.6

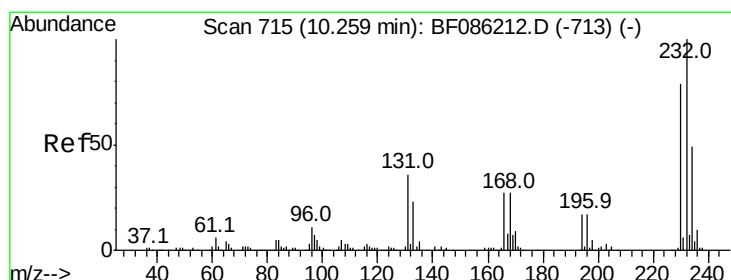
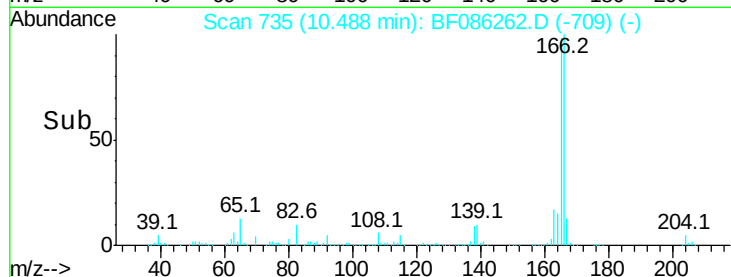
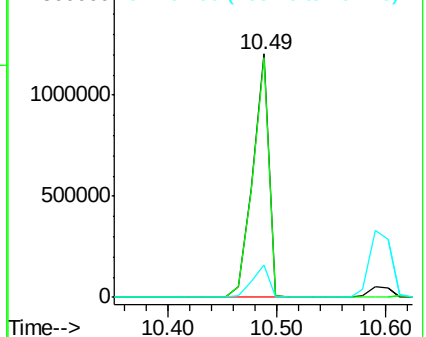
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.83 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:232 Resp: 333251

Ion Ratio Lower Upper

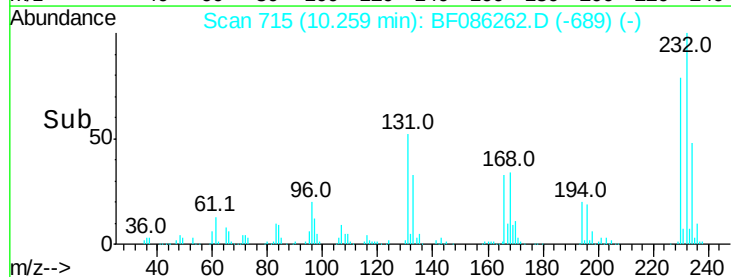
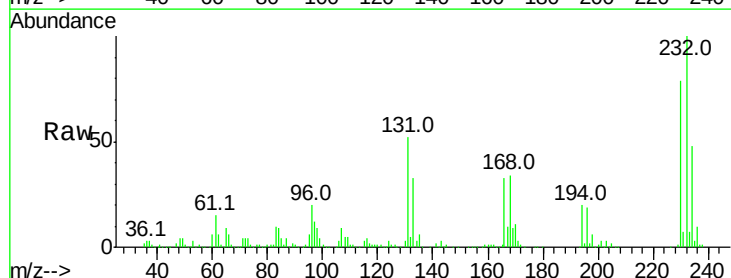
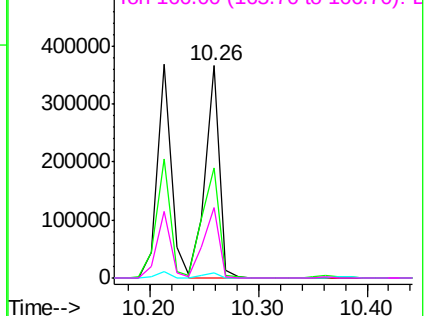
232 100

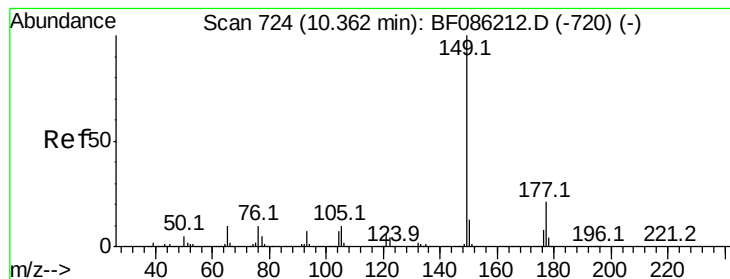
131 61.5 46.6 70.0

130 3.0 2.5 3.7

166 37.1 28.3 42.5

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 39.62 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:149 Resp: 1499003

Ion Ratio Lower Upper

149 100

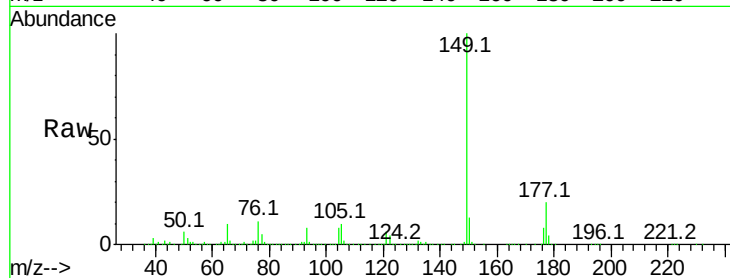
177 20.2 17.0 25.6

150 13.0 10.2 15.4

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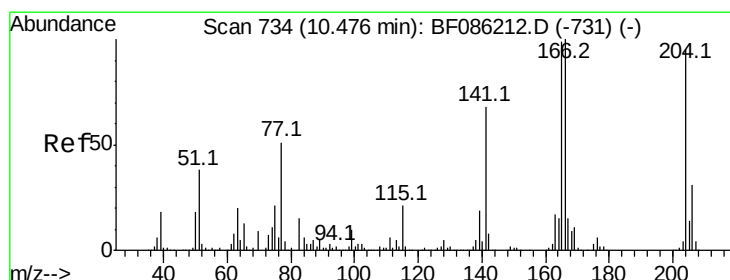
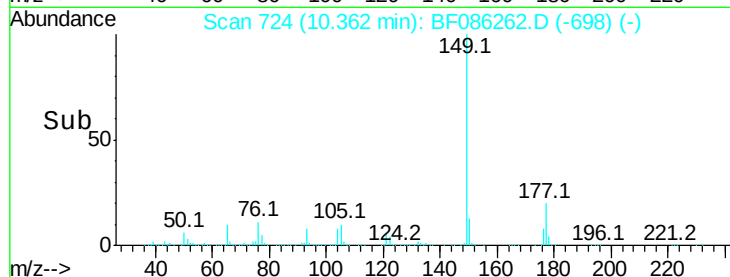
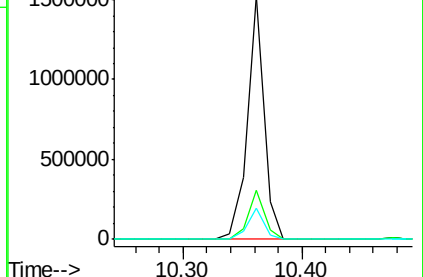
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 47.54 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

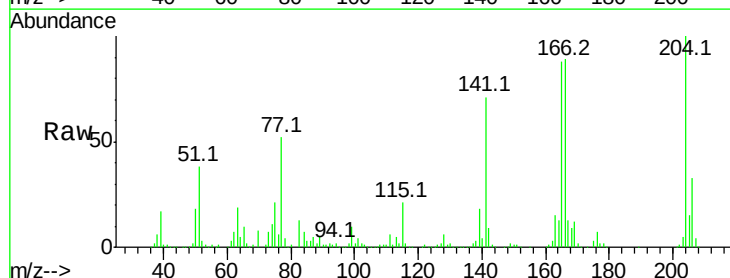
Tgt Ion:204 Resp: 497181

Ion Ratio Lower Upper

204 100

206 32.6 26.2 39.2

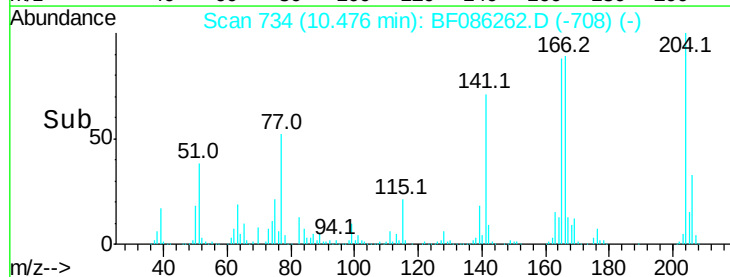
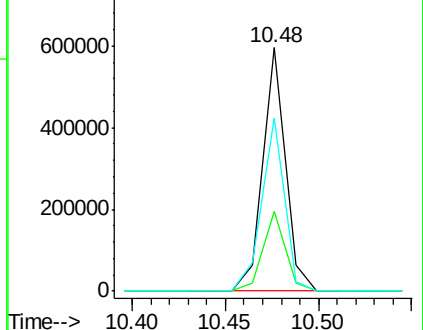
141 70.9 55.4 83.0

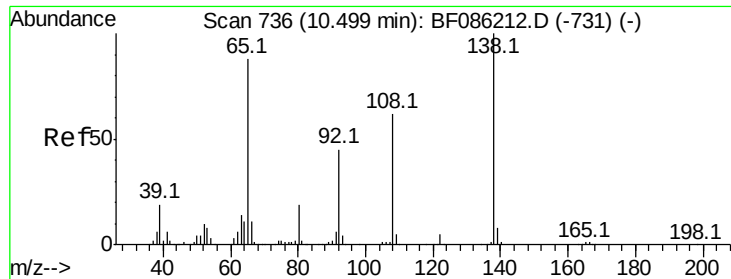


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





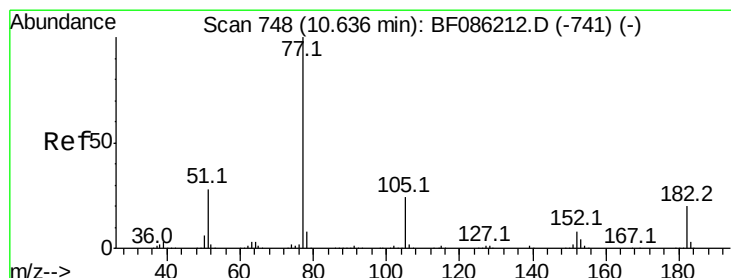
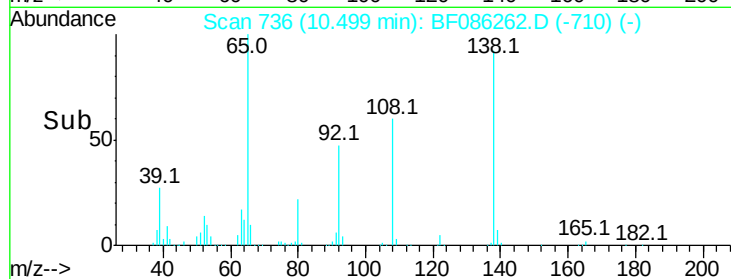
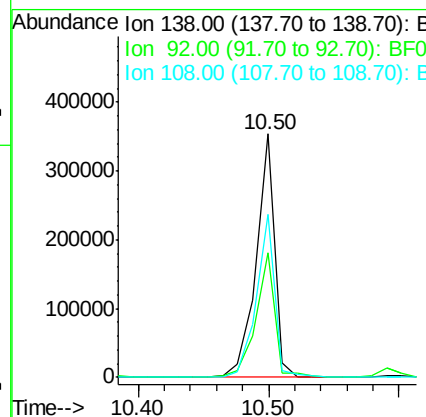
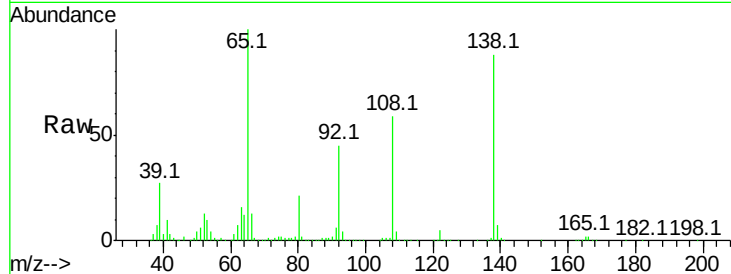
#61
4-Nitroaniline
Concen: 41.39 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.3	31.9	71.9
108	66.7	58.7	98.7

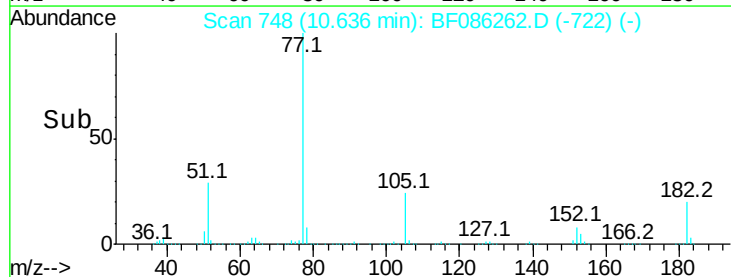
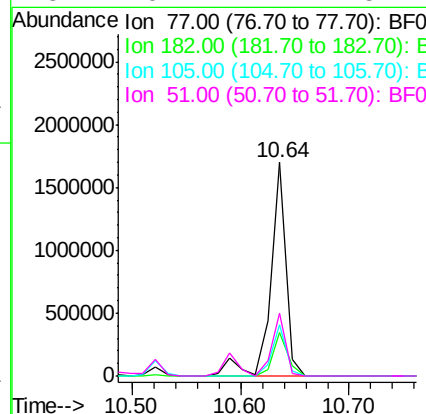
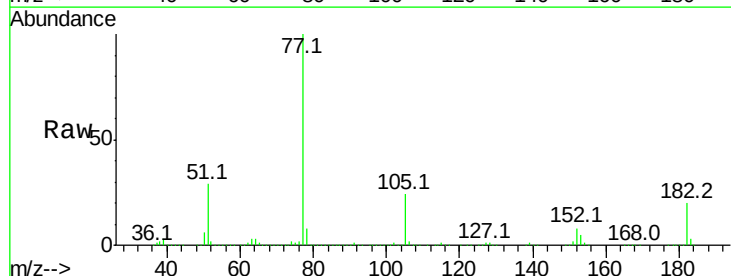
Manual Integrations
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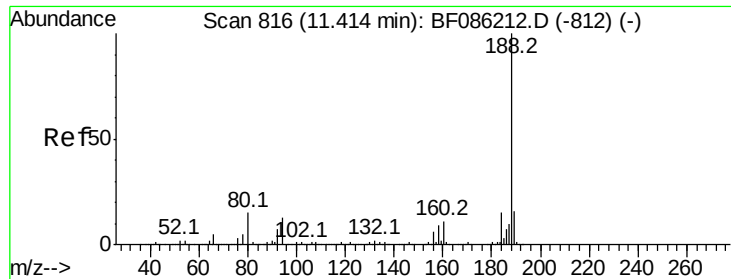
Sohil
4/18/2016 7:33:44 PM



#62
Azobenzene
Concen: 46.23 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.3	2.3	42.3
105	24.1	3.4	43.4
51	29.4	11.7	51.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

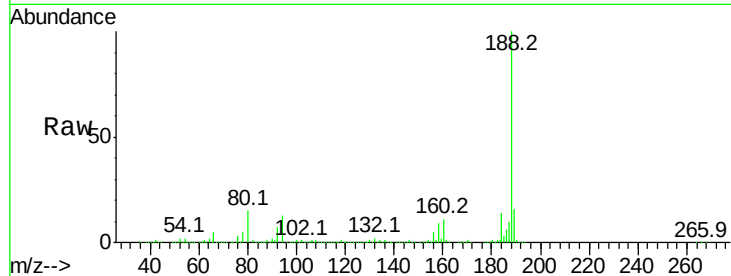
ClientSampleId :

CDMSH4MSD

Tot Ion:188	Resp:	858280
Ion Ratio	Lower	Upper
188 100		
94 13.1	9.8	14.8
80 15.1	10.5	15.7

Manual Integrations
APPROVED

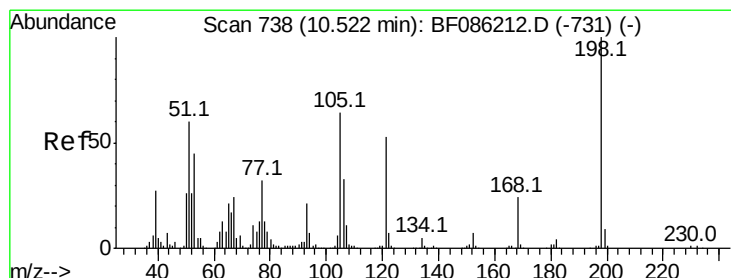
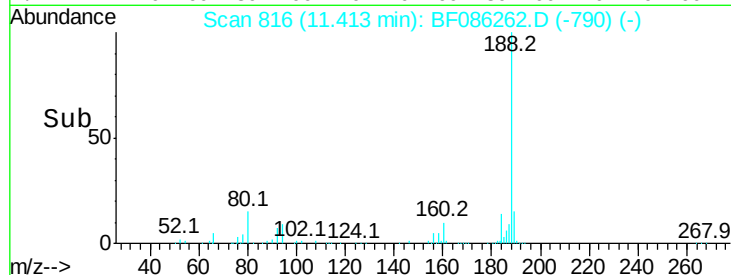
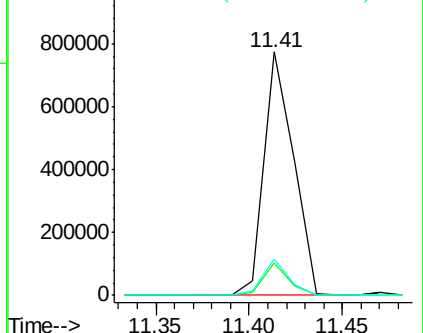
Sohil
4/18/2016 7:33:44 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 47.60 ng

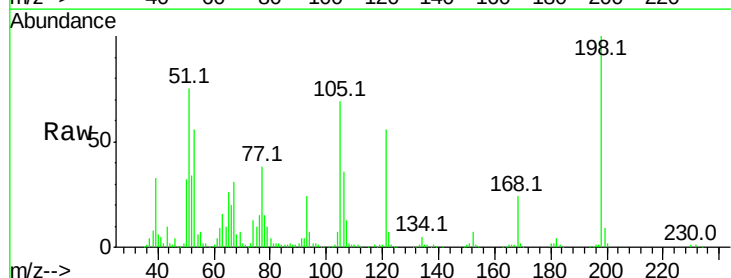
RT: 10.52 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

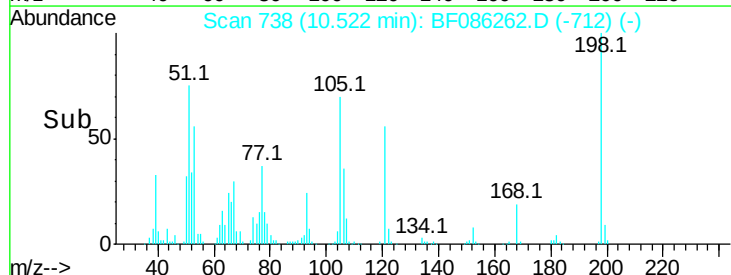
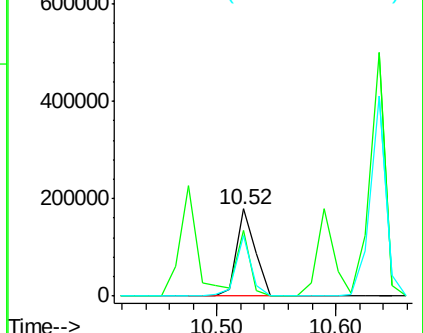
Tgt Ion:198	Resp:	194427
Ion Ratio	Lower	Upper
198 100		
51 74.6	56.5	96.5
105 69.3	48.0	88.0

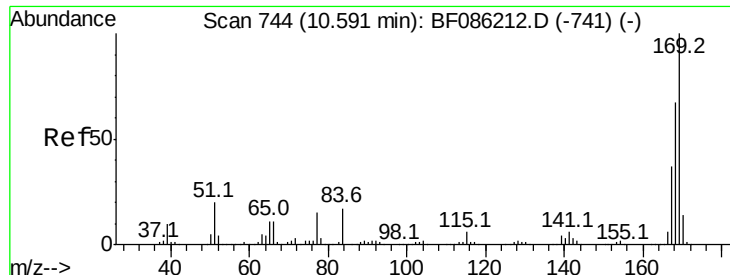


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 45.92 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:169 Resp: 1206973

Ion Ratio Lower Upper

169 100

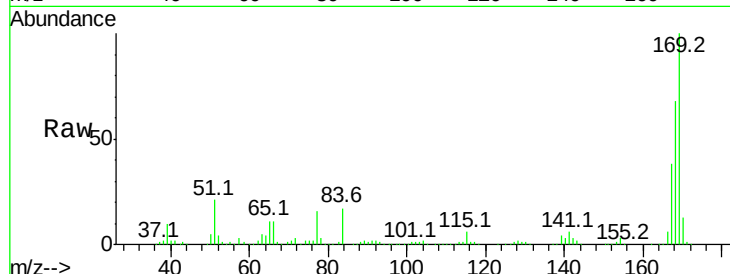
168 67.9 54.3 81.5

167 37.6 30.2 45.2

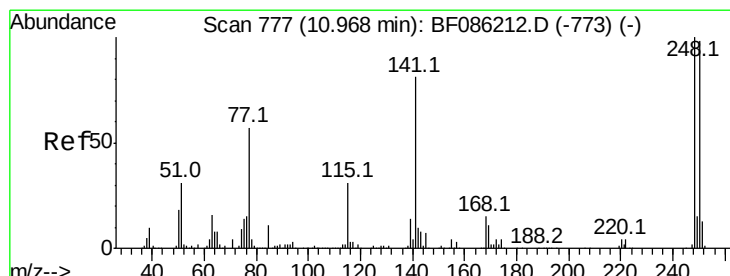
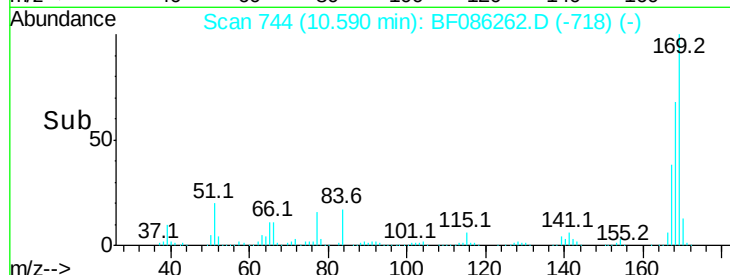
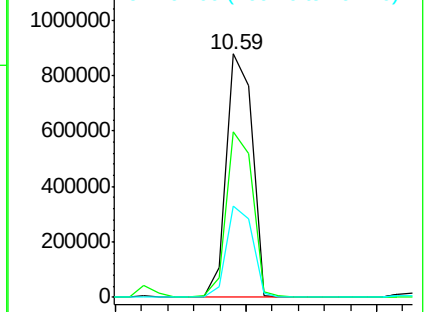
Manual Integrations
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.51 ng

RT: 10.97 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

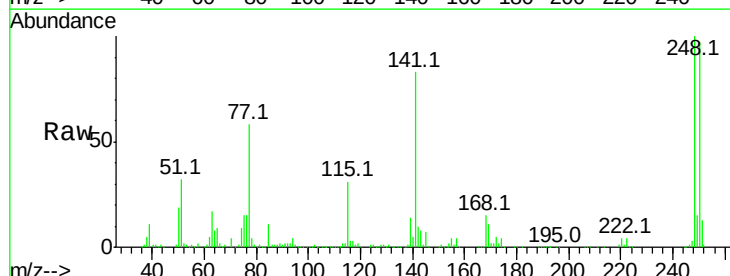
Tgt Ion:248 Resp: 348073

Ion Ratio Lower Upper

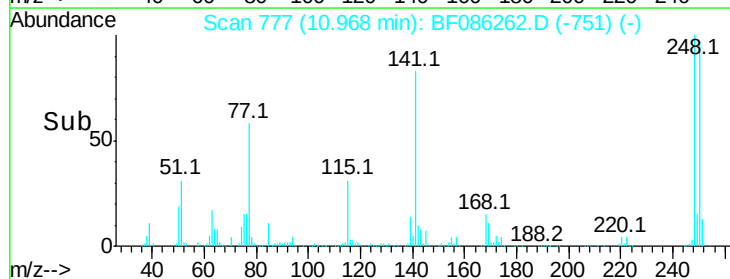
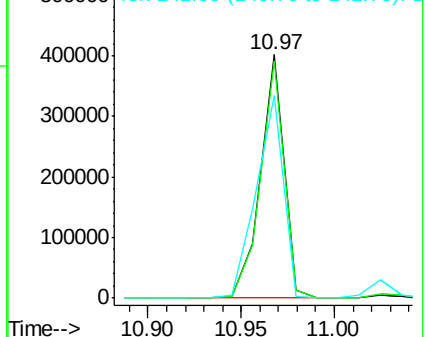
248 100

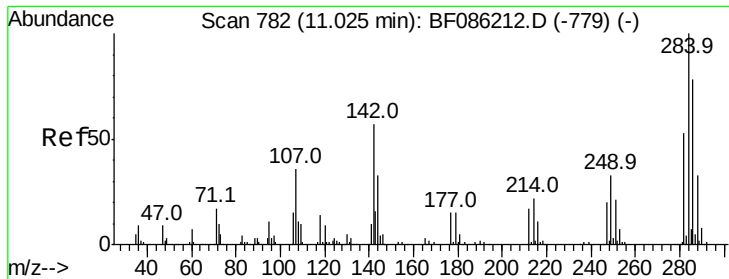
250 97.2 78.6 118.0

141 83.2 57.9 86.9



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





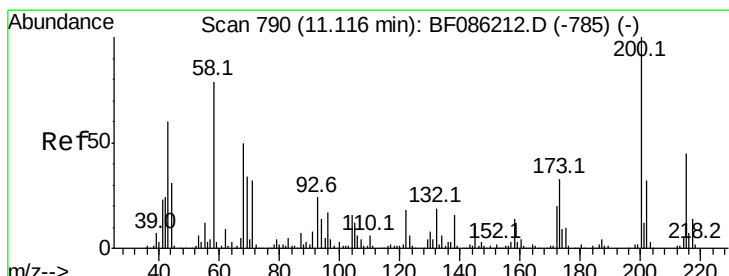
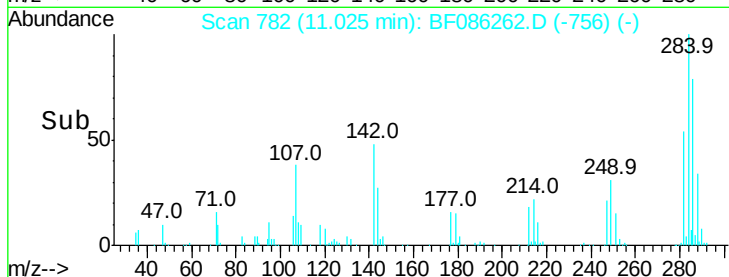
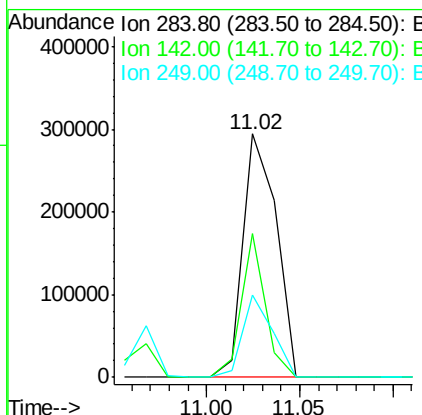
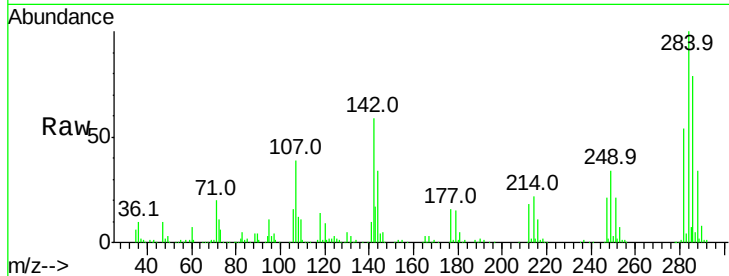
#67
Hexachlorobenzene
Concen: 43.38 ng
RT: 11.02 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	58.9	42.6	64.0
249	33.9	25.9	38.9

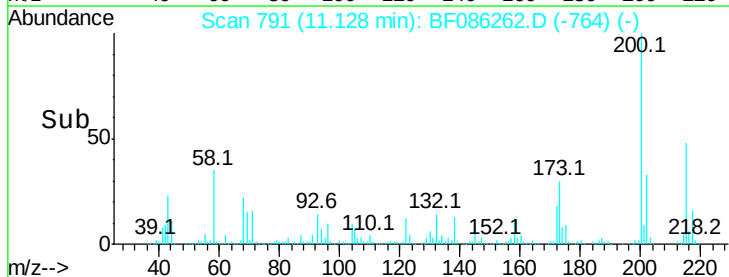
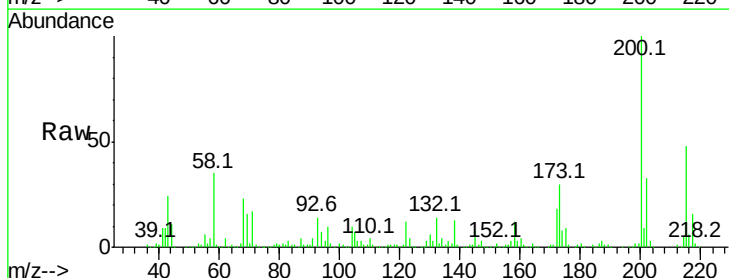
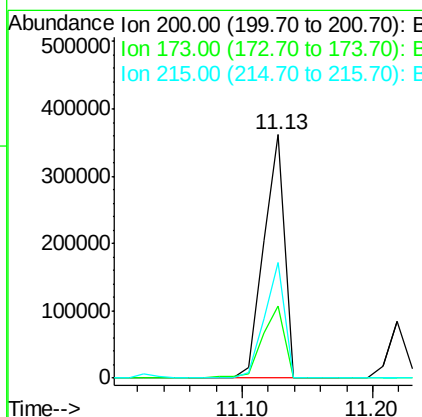
Manual Integrations
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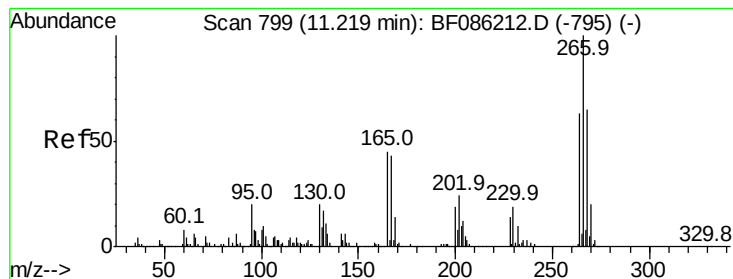
Sohil
4/18/2016 7:33:44 PM



#68
Atrazine
Concen: 49.96 ng
RT: 11.13 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	29.8	11.2	51.2
215	47.6	24.0	64.0





#69

Pentachlorophenol

Concen: 75.35 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

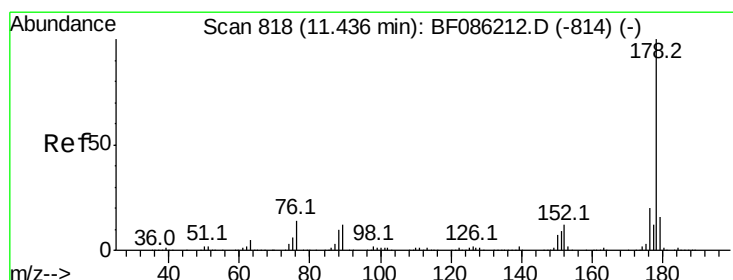
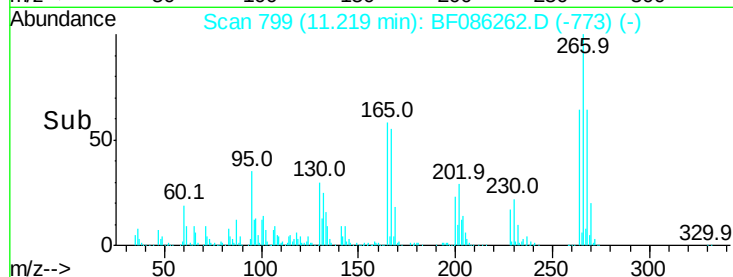
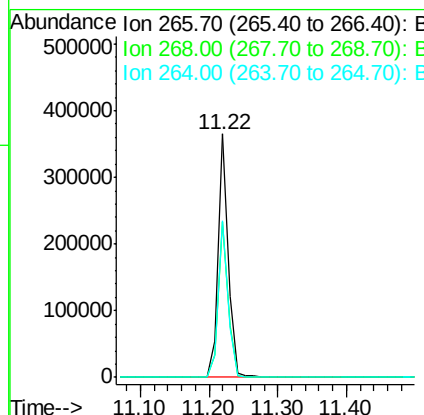
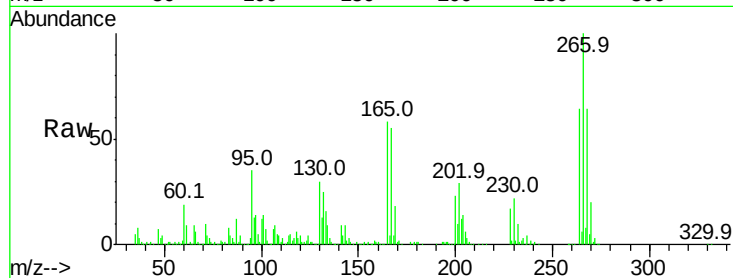
ClientSampleId :

CDMSH4MSD

Tot Ion:	266	Resp:	382970
Ion Ratio		Lower	Upper
266	100		
268	63.6	53.0	79.4
264	64.4	51.3	76.9

Manual Integrations
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#70

Phenanthrene

Concen: 48.38 ng

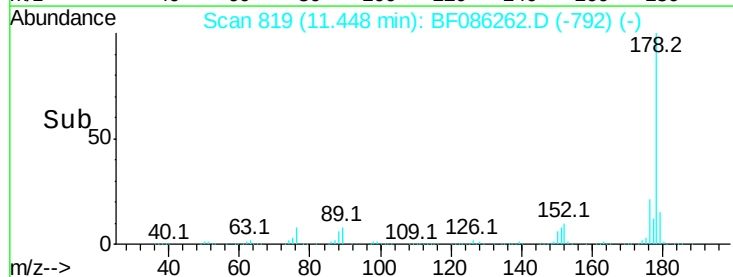
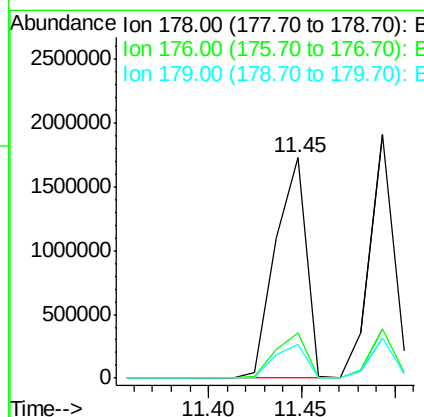
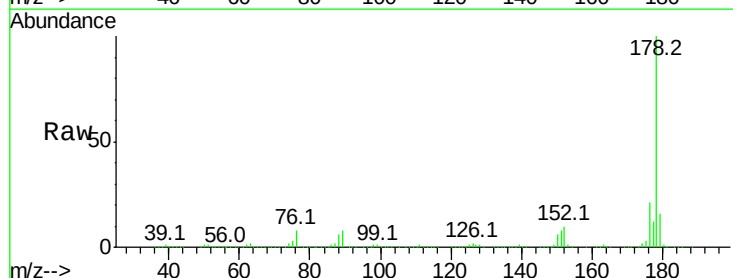
RT: 11.45 min Scan# 819

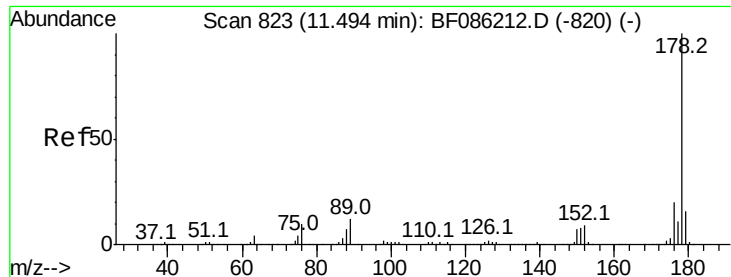
Delta R.T. 0.01 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	178	Resp:	1983231
Ion Ratio		Lower	Upper
178	100		
176	20.6	16.3	24.5
179	15.5	13.0	19.6





#71
 Anthracene
 Concen: 44.12 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

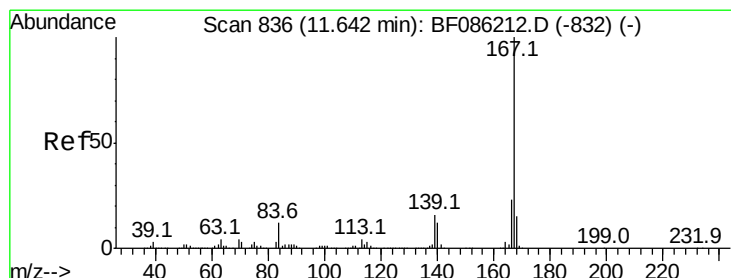
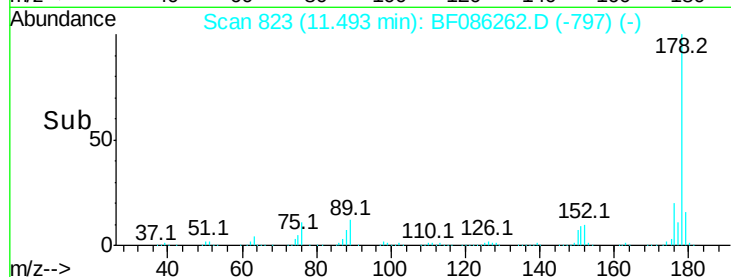
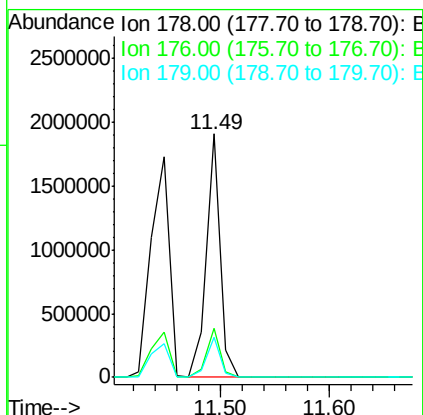
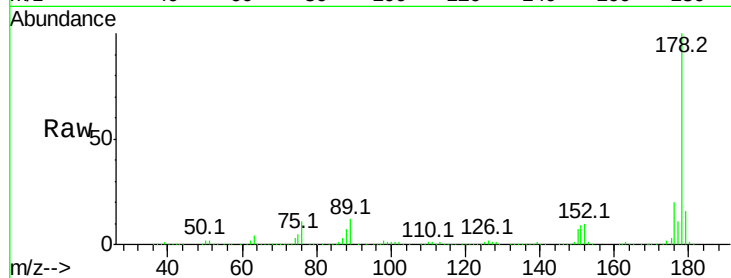
Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion:178 Resp: 1713491

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.3	13.2	19.8

Manual Integrations
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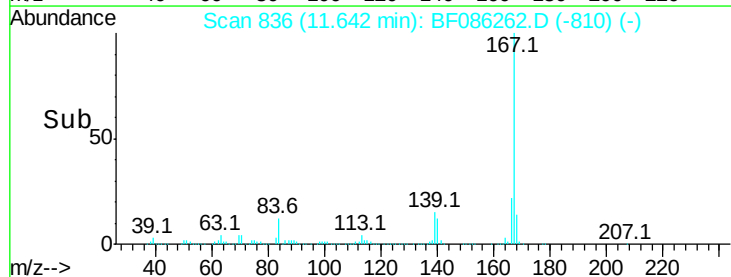
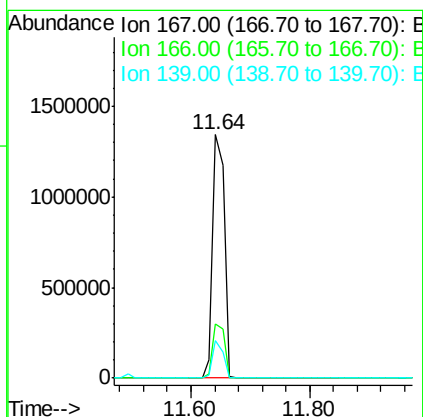
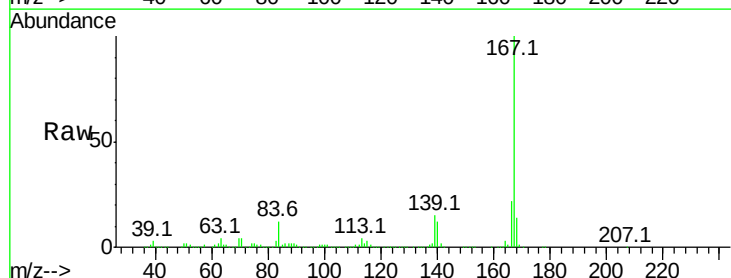
Sohil
 4/18/2016 7:33:44 PM

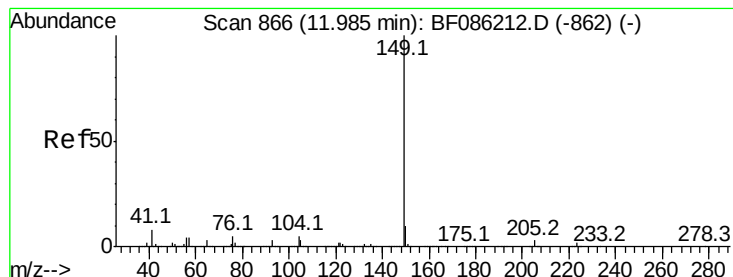


#72
 Carbazole
 Concen: 46.65 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion:167 Resp: 1818815

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.3	27.5
139	15.2	12.3	18.5





#73

Di-n-butylphthalate

Concen: 41.89 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:149 Resp: 2208097

Ion Ratio Lower Upper

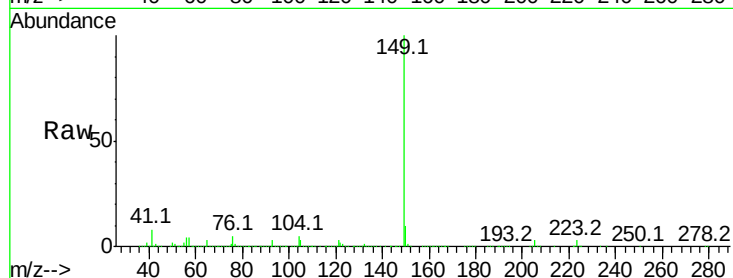
149 100

150 9.9 7.8 11.8

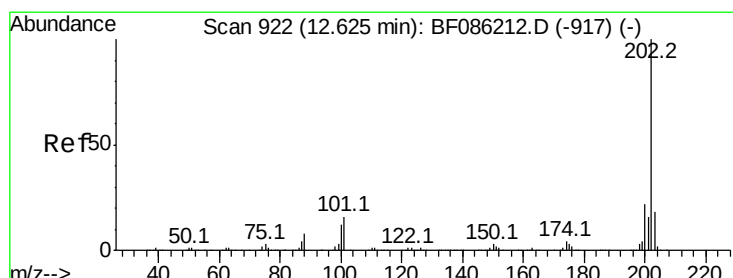
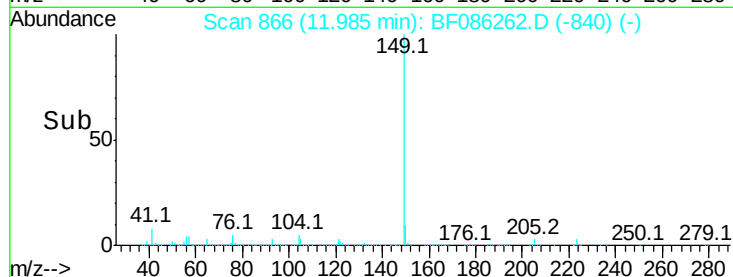
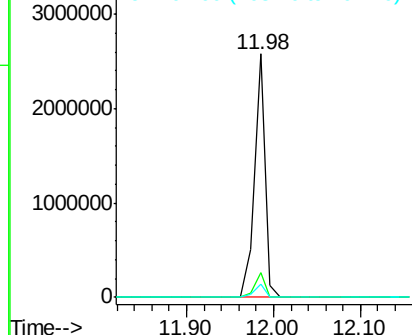
104 5.2 4.1 6.1

Manual Integrations
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4/18/2016 7:33:44 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.19 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

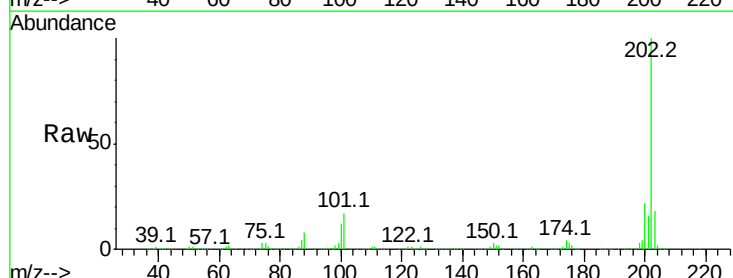
Tgt Ion:202 Resp: 1686458

Ion Ratio Lower Upper

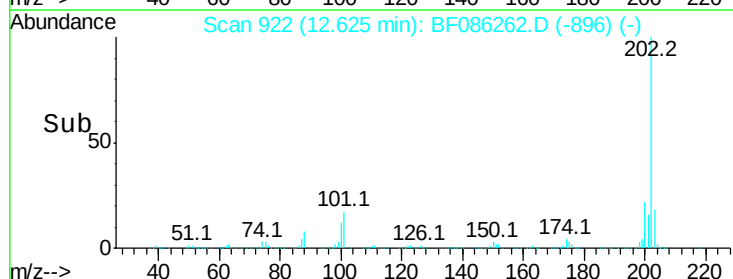
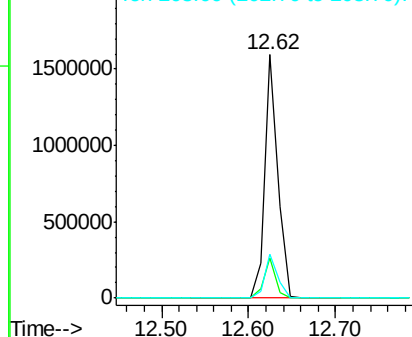
202 100

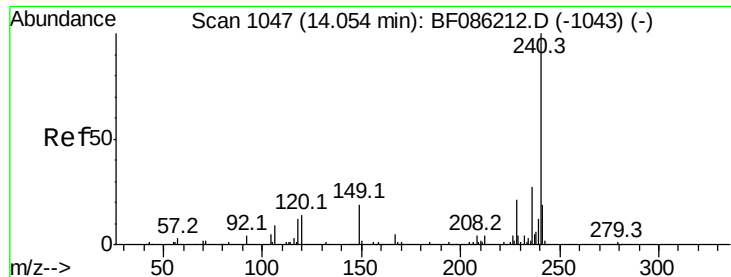
101 16.6 0.0 35.2

203 18.2 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

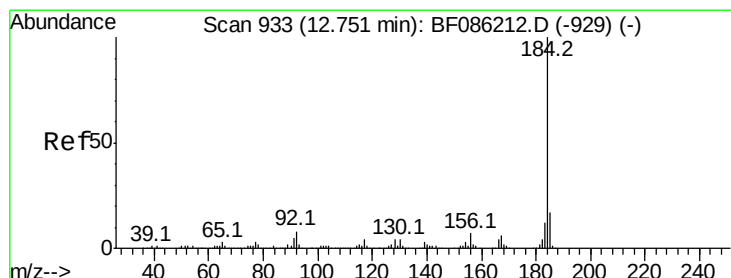
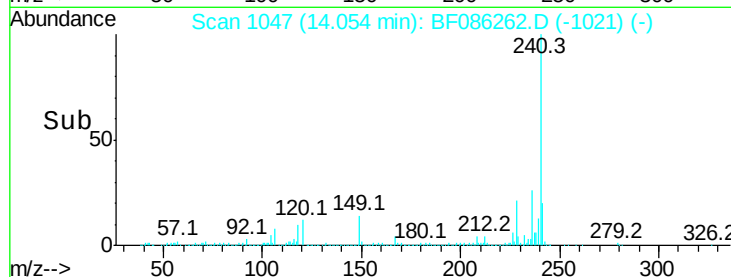
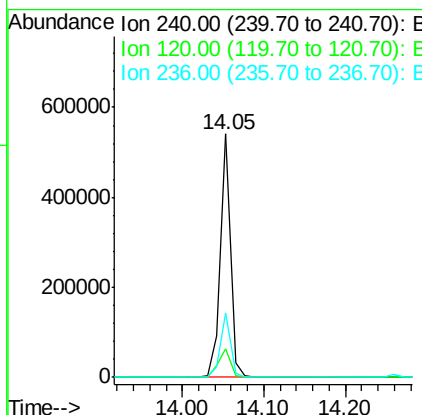
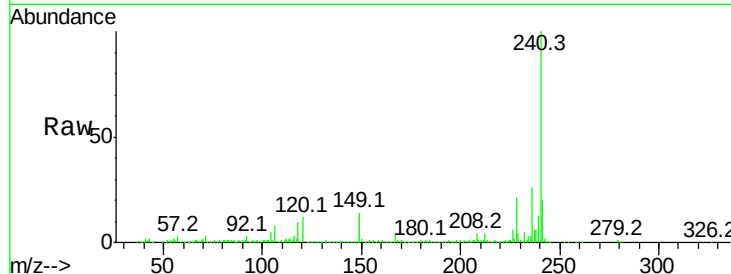
ClientSampleId :

CDMSH4MSD

Tot Ion:	240	Resp:	466389
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.3	13.9
236	26.5	21.1	31.7

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Sohil
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#76

Benzidine

Concen: 29.71 ng

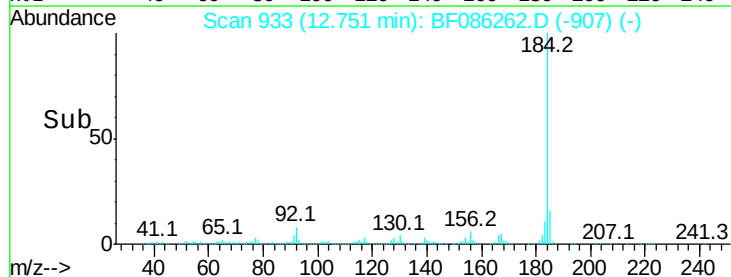
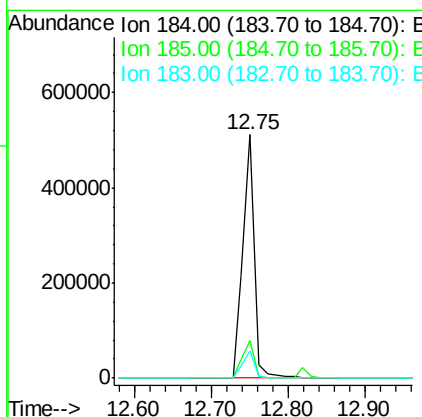
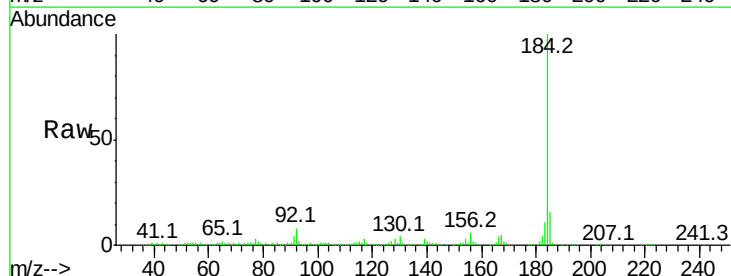
RT: 12.75 min Scan# 933

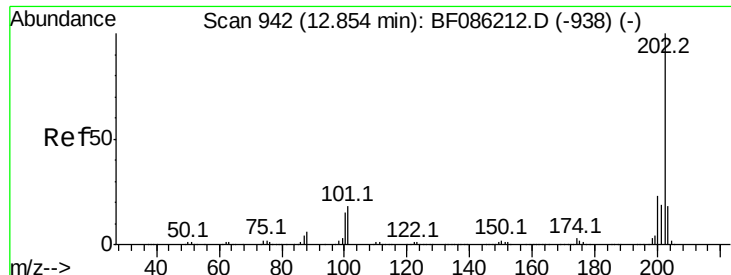
Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:	184	Resp:	537562
Ion Ratio	Lower	Upper	
184	100		
185	15.5	14.2	21.2
183	11.5	9.8	14.6





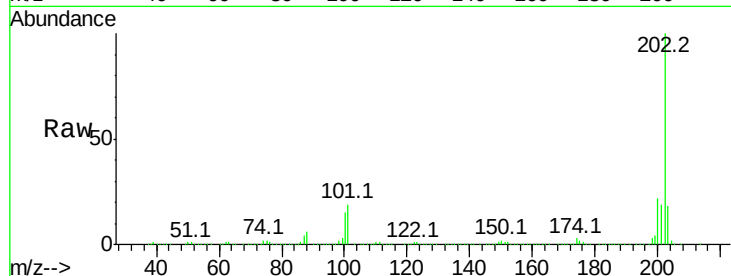
#77
Pvrene
Concen: 46.62 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

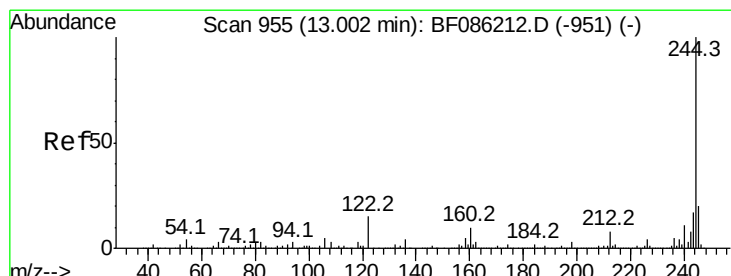
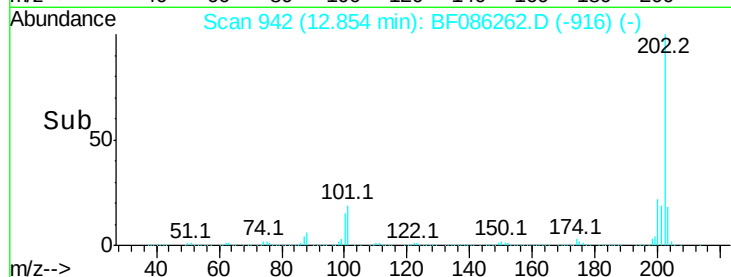
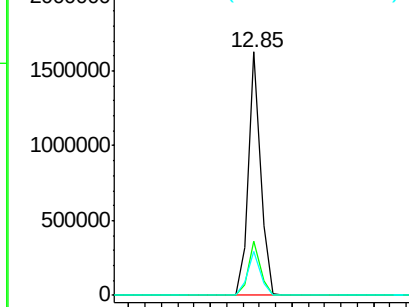
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.3	27.5
203	18.0	14.9	22.3

Manual Integrations
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4/18/2016 7:33:44 PM

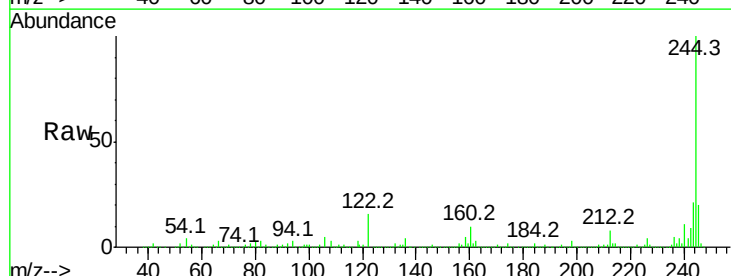


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

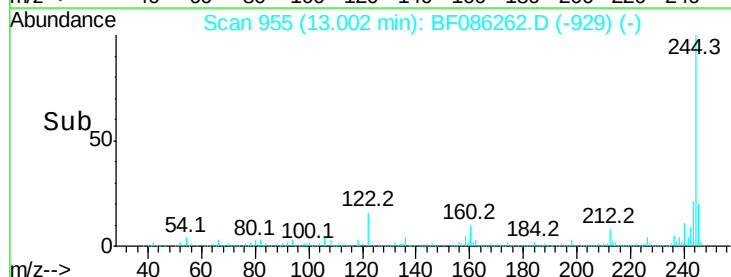
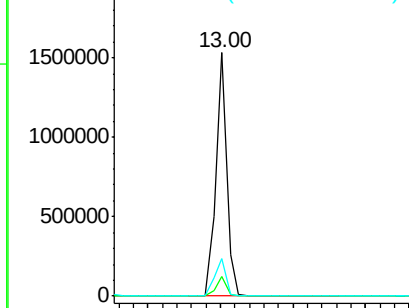


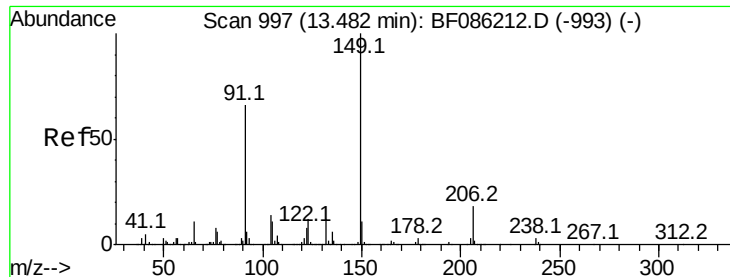
#78
Terphenyl-d14
Concen: 85.87 ng
RT: 13.00 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	15.6	11.7	17.5



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





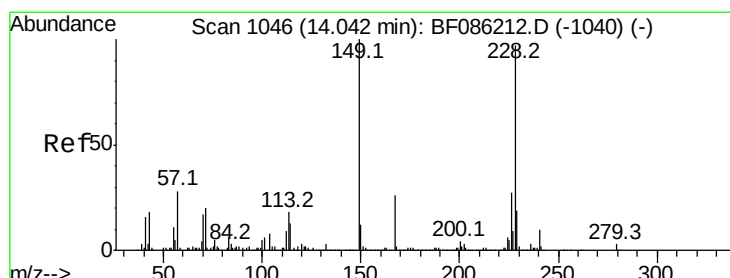
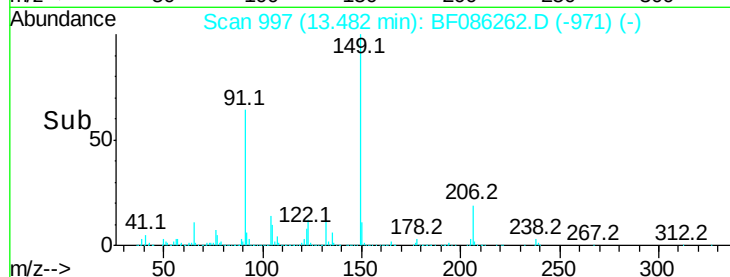
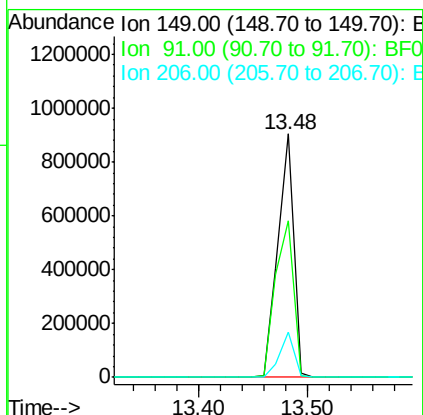
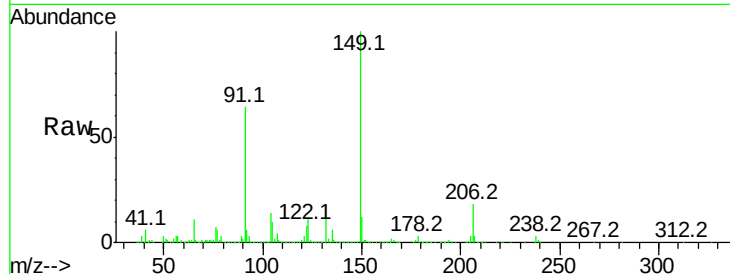
#79
Butylbenzylphthalate
Concen: 55.42 ng
RT: 13.48 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	915958		
91	64.4	48.7	73.1	
206	18.5	15.7	23.5	

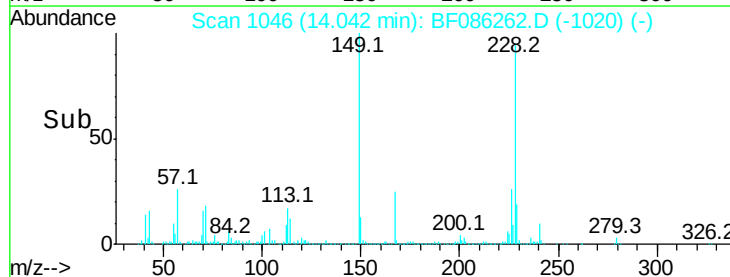
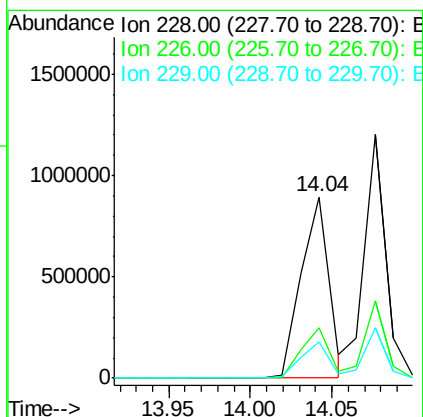
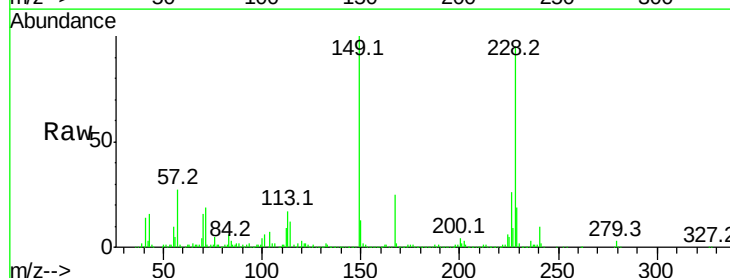
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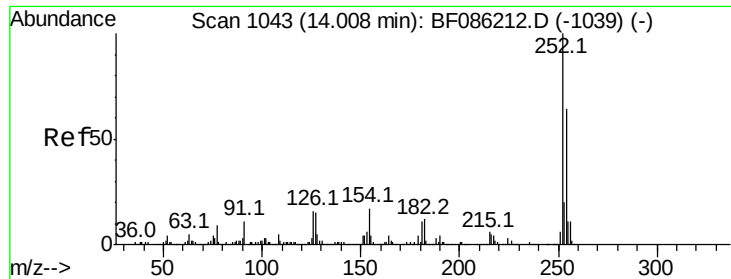
Sohil
4/18/2016 7:33:44 PM



#80
Benzo(a)anthracene
Concen: 41.40 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1059847		
226	27.6	22.5	33.7	
229	19.7	16.2	24.2	





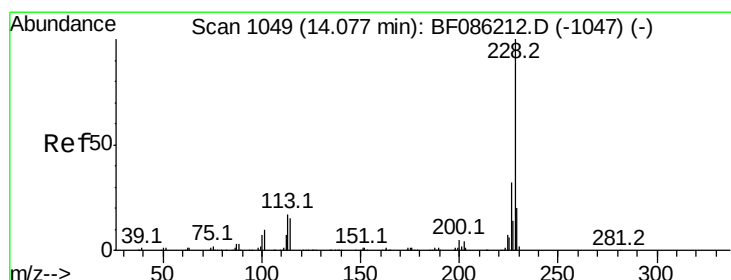
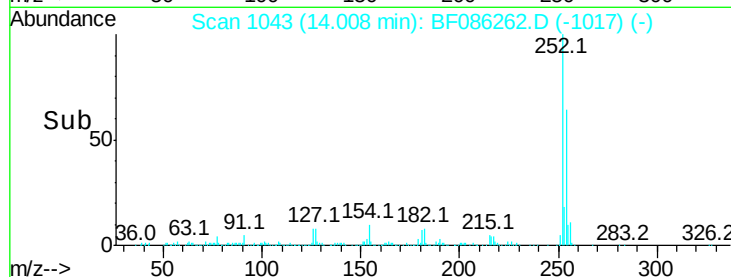
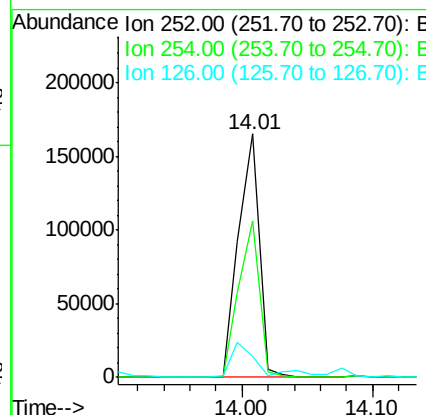
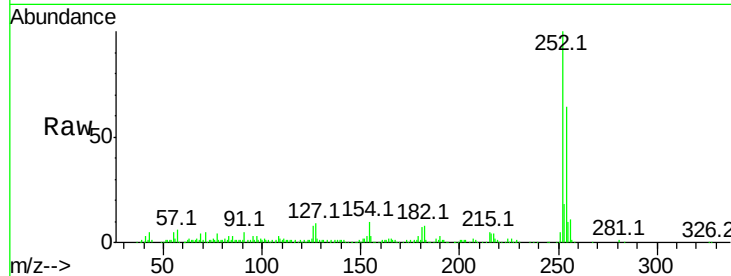
#81
 3,3'-Dichlorobenzidine
 Concen: 12.37 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	64.5	52.1	78.1	
126	8.4	13.2	19.8	

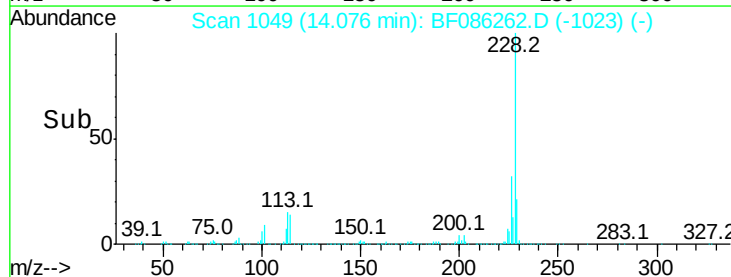
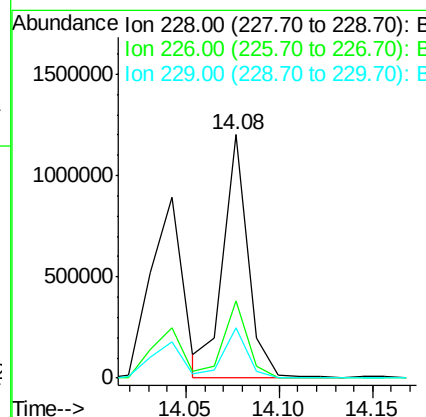
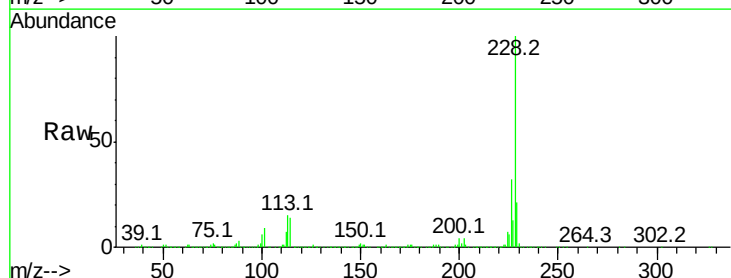
Manual Integrations
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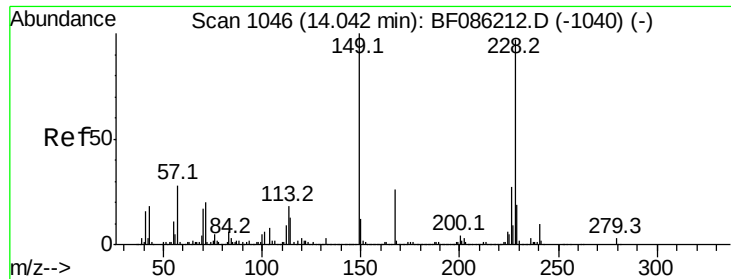
Sohil
 4/18/2016 7:33:44 PM



#82
 Chrysene
 Concen: 40.50 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.6	25.4	38.2	
229	20.6	16.5	24.7	





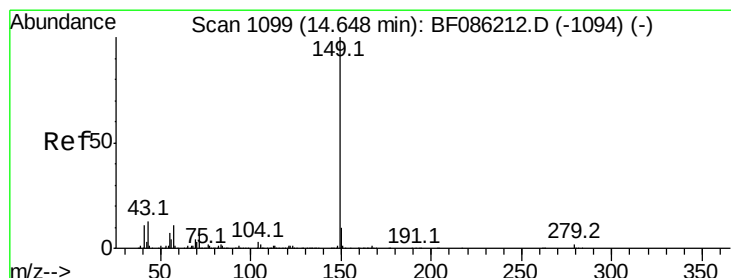
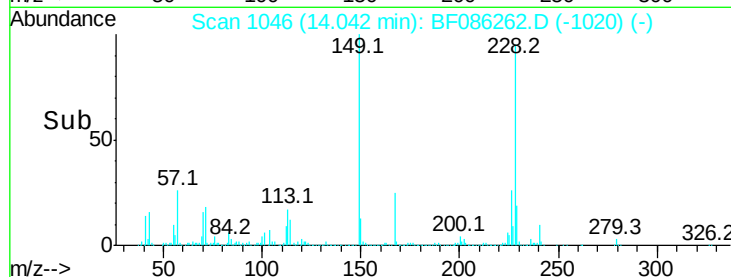
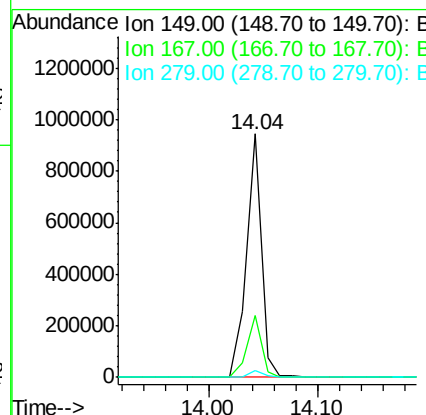
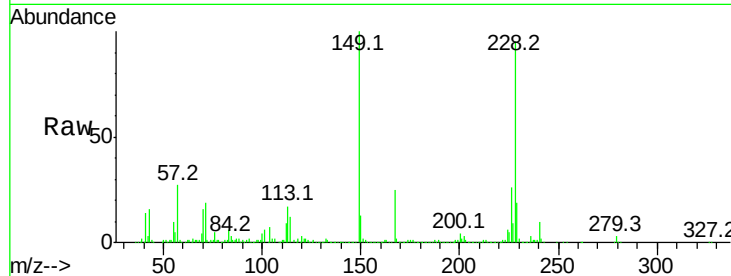
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.61 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	885448		
167	25.5		21.0	31.4
279	2.7		2.4	3.6

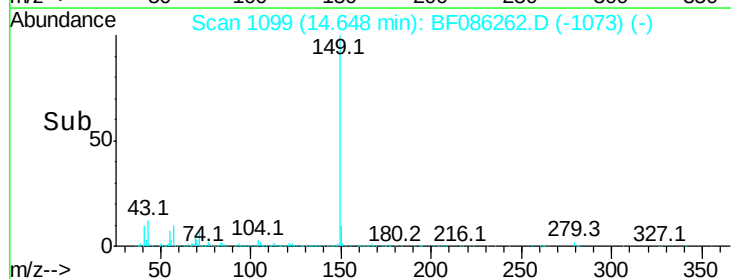
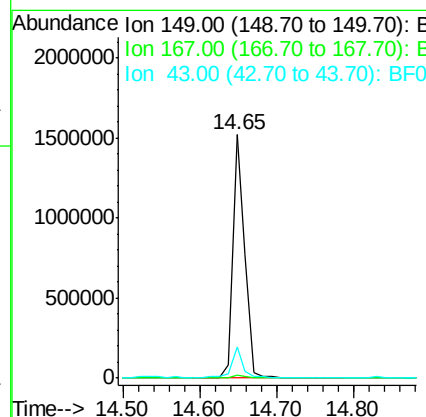
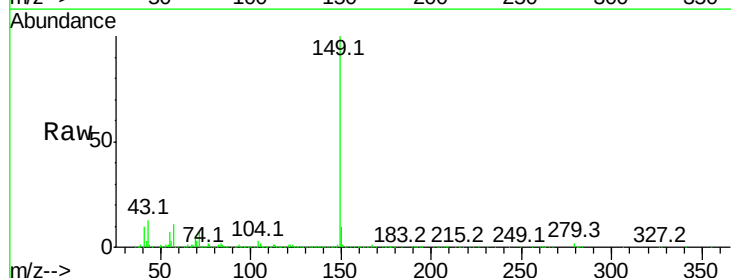
Manual Integrations
 APPROVED

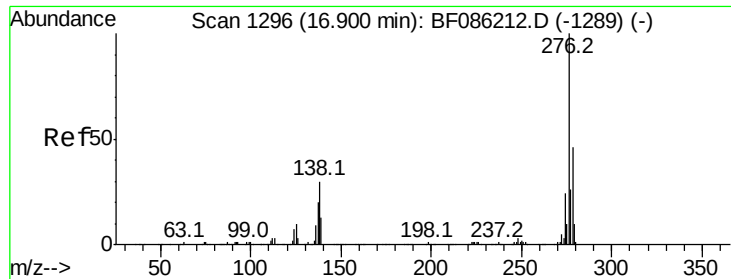
Sohil
 4/18/2016 7:33:44 PM



#84
 Di-n-octyl phthalate
 Concen: 48.51 ng
 RT: 14.65 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1668866		
167	1.5		1.1	1.7
43	10.8		9.1	13.7





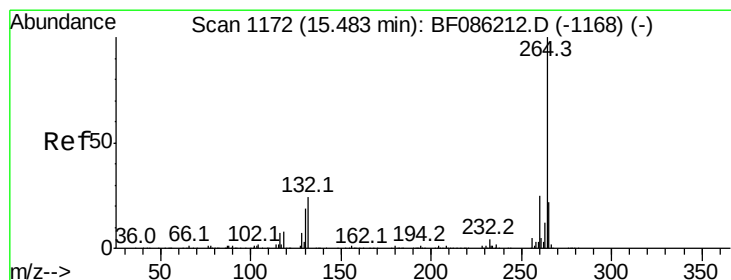
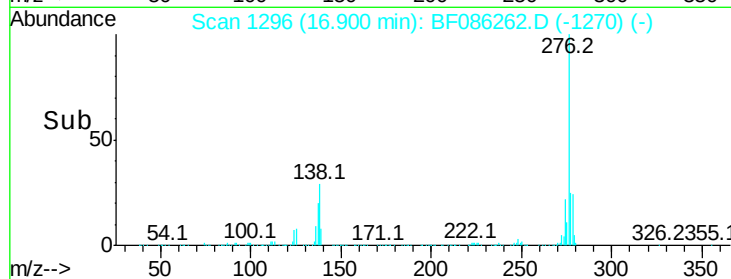
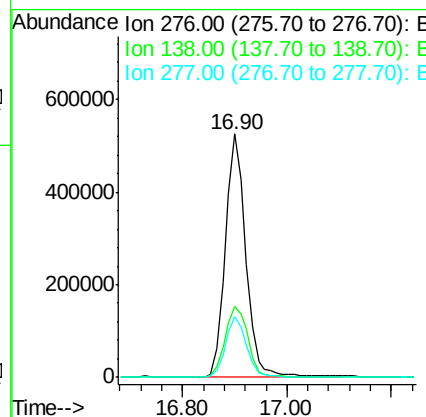
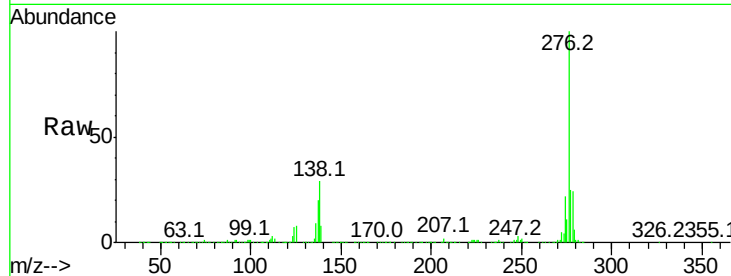
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.93 ng
 RT: 16.90 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	23.8	35.6
277	25.5	20.2	30.2

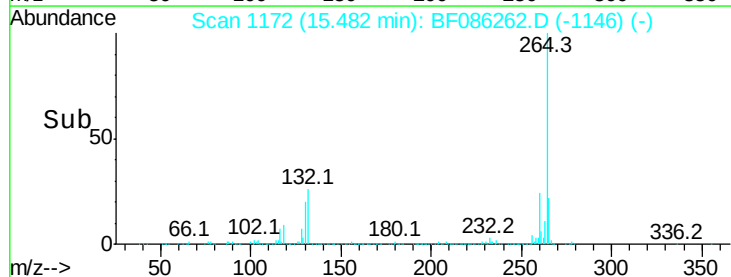
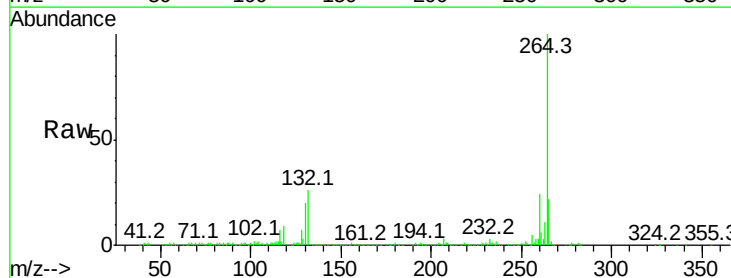
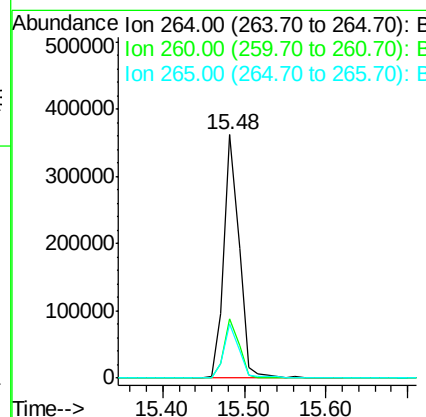
Manual Integrations
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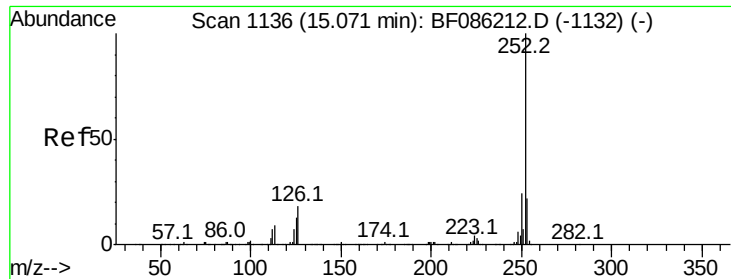
Sohil
 4/18/2016 7:33:44 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	22.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 38.31 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Instrument :

BNA_F

ClientSampleId :

CDMSH4MSD

Tot Ion:252 Resp: 1117796

Ion Ratio Lower Upper

252 100

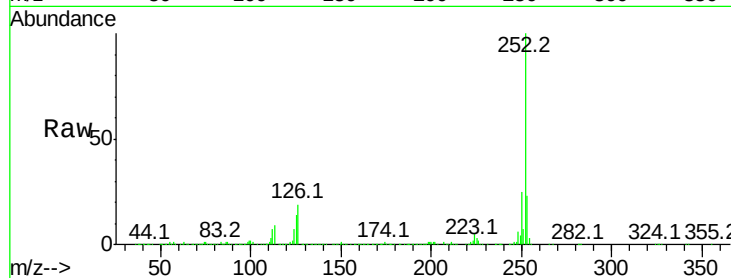
253 22.6 17.7 26.5

125 14.1 10.3 15.5

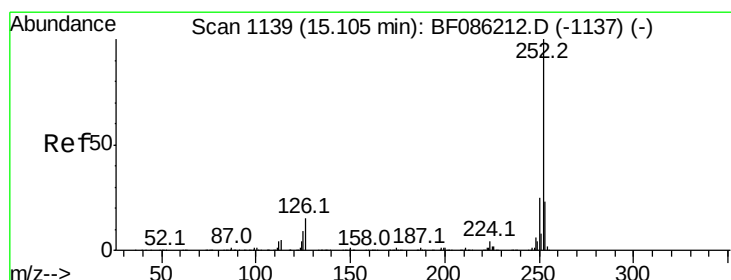
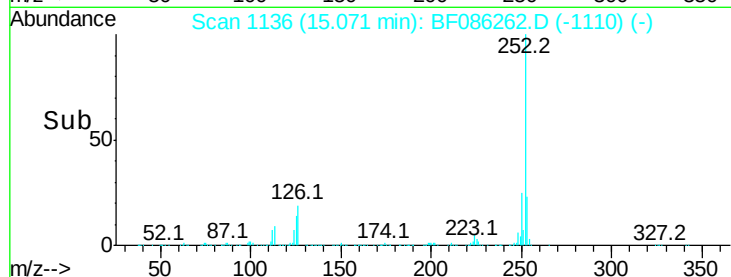
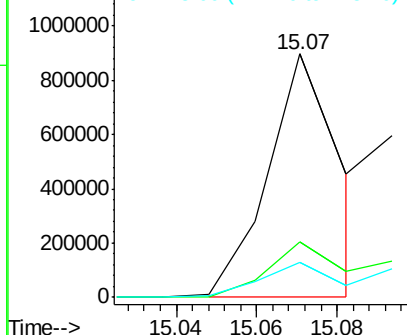
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 43.18 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF086262.D

Acq: 16 Apr 2016 13:30

Tgt Ion:252 Resp: 1148852

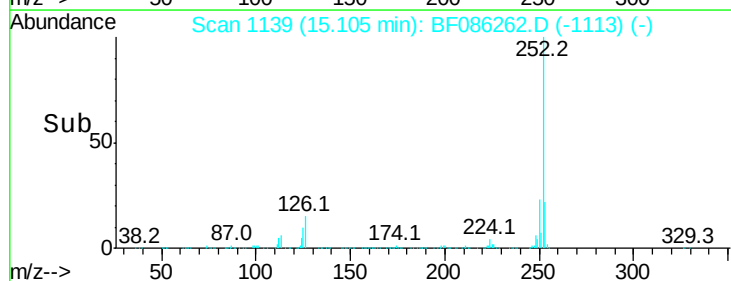
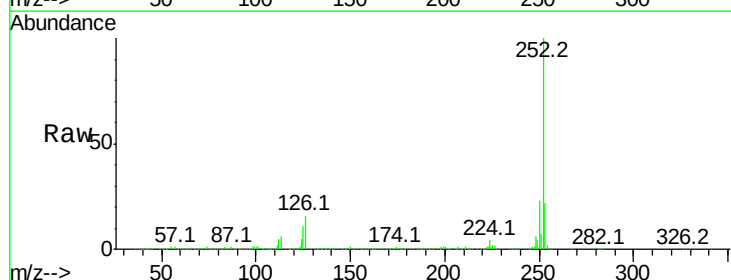
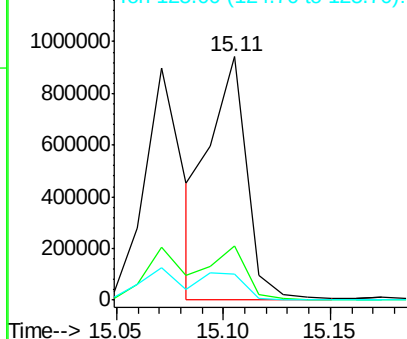
Ion Ratio Lower Upper

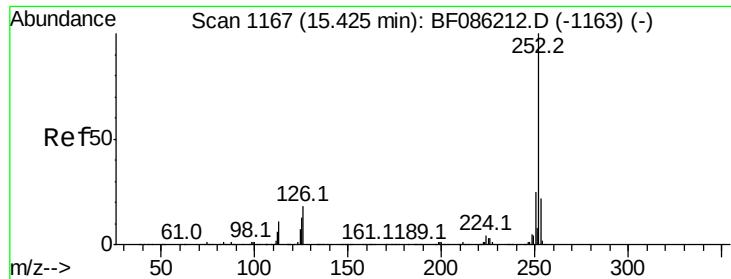
252 100

253 22.2 17.5 26.3

125 10.5 7.8 11.6

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





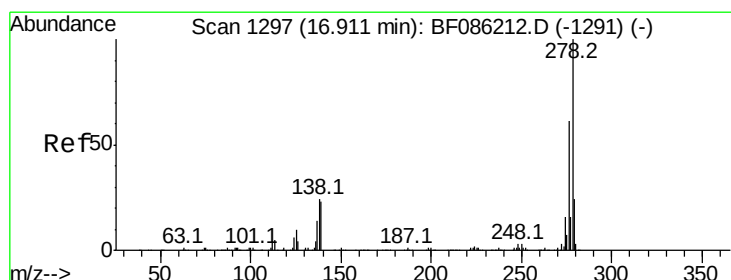
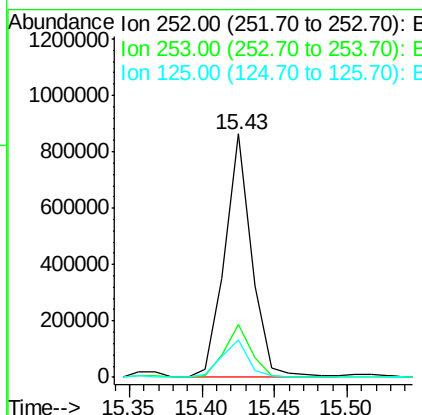
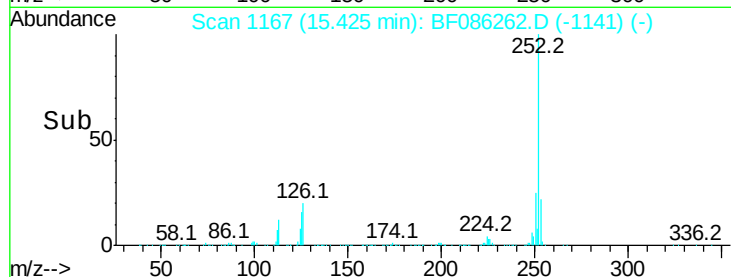
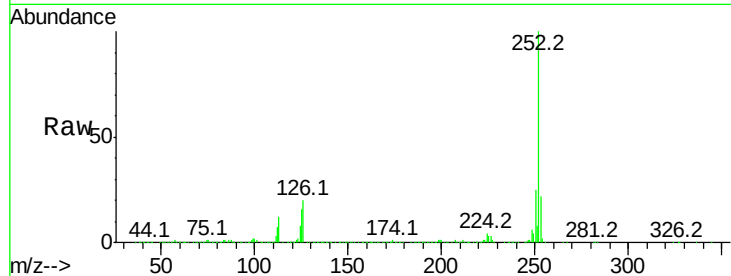
#89
Benzo(a)pyrene
Concen: 44.19 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Instrument :
BNA_F
ClientSampleId :
CDMSH4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	15.7	11.2	16.8

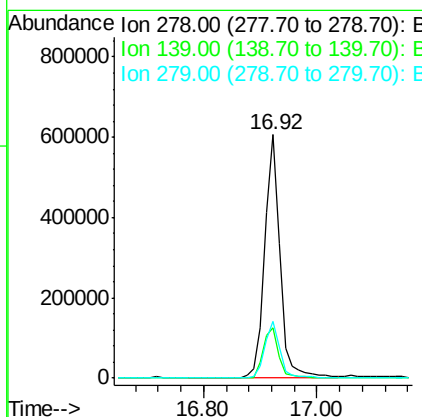
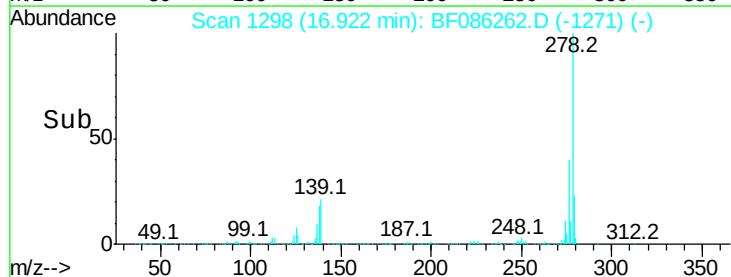
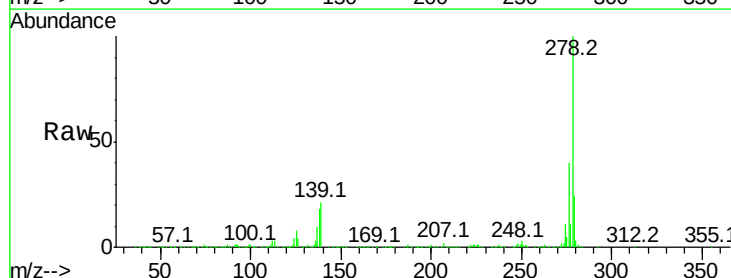
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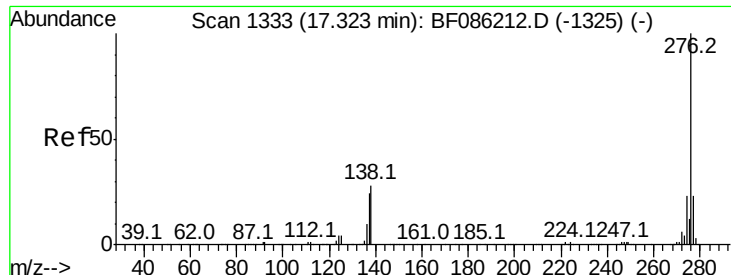
Sohil
4/18/2016 7:33:44 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.96 ng
RT: 16.92 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BF086262.D
Acq: 16 Apr 2016 13:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.3	22.9
279	23.5	19.1	28.7





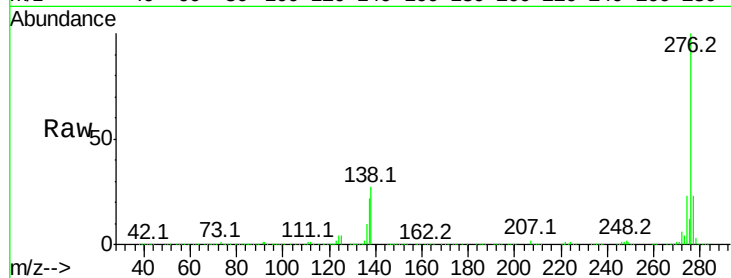
#91
 Benzo(a,h,i)perylene
 Concen: 53.09 ng
 RT: 17.33 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF086262.D
 Acq: 16 Apr 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH4MSD

Tot Ion:	276	Resp:	1260956
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.6
138	26.8	19.6	29.4

Manual Integrations
 APPROVED

Sohil
 4/18/2016 7:33:44 PM



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

