

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086229.D
 Acq On : 15 Apr 2016 21:13
 Operator : UM/SJ
 Sample : H2402-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Manual Integrations
 APPROVED

Sohil
 4/18/2016 7:30:27 PM

Quant Time: Apr 16 01:25:07 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	298325	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1177860	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	535314	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	933251	20.00	ng	0.01
75) Chrysene-d12	14.05	240	474675	20.00	ng	0.00
86) Perylene-d12	15.48	264	479697	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1236322	67.90	ng	0.01
7) Phenol-d6	6.51	99	985219	43.26	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1975721	96.75	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	480506	111.78	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2607514	89.88	ng	0.00
78) Terphenyl-d14	13.00	244	1754586	92.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	173875	17.32	ng	97
3) Pyridine	3.30	79	430170	16.43	ng	96
4) n-Nitrosodimethylamine	3.22	42	192312	20.33	ng	# 68
6) Aniline	6.56	93	944396	28.77	ng	97
8) 2-Chlorophenol	6.68	128	775845	37.67	ng	# 79
9) Benzaldehyde	6.44	77	312377	19.33	ng	94
10) Phenol	6.53	94	419245	15.46	ng	85
11) bis(2-Chloroethyl)ether	6.62	93	897029	43.96	ng	# 82
12) 1,3-Dichlorobenzene	6.83	146	920774	42.13	ng	99
13) 1,4-Dichlorobenzene	6.91	146	874189	41.99	ng	99
14) 1,2-Dichlorobenzene	7.07	146	839131	45.41	ng	98
15) Benzyl Alcohol	7.04	79	580375	35.92	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1514470	47.64	ng	99
17) 2-Methylphenol	7.15	107	613570	35.75	ng	93
18) Hexachloroethane	7.41	117	345218	43.96	ng	96
19) n-Nitroso-di-n-propylamine	7.31	70	660165	45.29	ng	# 82
20) 3+4-Methylphenols	7.30	107	504504	26.24	ng	# 82
22) Acetophenone	7.31	105	1209330	58.74	ng	# 99
24) Nitrobenzene	7.48	77	1105023	49.49	ng	98
25) Isophorone	7.72	82	1946405	48.03	ng	99
26) 2-Nitrophenol	7.80	139	515353	52.94	ng	# 67
27) 2,4-Dimethylphenol	7.84	122	873239	44.42	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	1255887	52.72	ng	98
29) 2,4-Dichlorophenol	8.03	162	713270	47.72	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	705173	45.08	ng	99
31) Naphthalene	8.20	128	2384397	45.33	ng	99
32) Benzoic acid	7.92	122	222185	17.68	ng	94
33) 4-Chloroaniline	8.25	127	780143	33.18	ng	99
34) Hexachlorobutadiene	8.33	225	355690	45.38	ng	98
35) Caprolactam	8.67	113	42103	7.78	ng	# 80
36) 4-Chloro-3-methylphenol	8.73	107	798905	46.12	ng	95
37) 2-Methylnaphthalene	8.90	142	1700039	49.99	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	507234	44.84	ng	98
40) Hexachlorocyclopentadiene	9.05	237	584100	92.56	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	506269	48.01	nq	99
43) 2,4,5-Trichlorophenol	9.21	196	474895	46.62	nq	# 94
45) 1,1'-Biphenyl	9.36	154	1850896	48.03	nq	99
46) 2-Chloronaphthalene	9.39	162	1553621	49.38	nq	93
47) 2-Nitroaniline	9.47	65	572332	56.15	nq	97
48) Acenaphthylene	9.80	152	2384216	47.63	nq	99
49) Dimethylphthalate	9.66	163	1693432	43.51	nq	98
50) 2,6-Dinitrotoluene	9.72	165	421570	48.95	nq	# 77
51) Acenaphthene	9.97	154	1620894	54.20	nq	100
52) 3-Nitroaniline	9.88	138	311078	29.72	nq	99
53) 2,4-Dinitrophenol	10.00	184	435642	133.58	nq	# 72
54) Dibenzofuran	10.14	168	1951432	49.41	nq	93
55) 4-Nitrophenol	10.04	139	314894	38.46	nq	# 61
56) 2,4-Dinitrotoluene	10.12	165	541971	49.16	nq	# 72
57) Fluorene	10.49	166	1374819	51.48	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	379257	51.26	nq	97
59) Diethylphthalate	10.36	149	1822788	45.37	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	549594	50.12	nq	95
61) 4-Nitroaniline	10.50	138	394796	43.65	nq	92
62) Azobenzene	10.64	77	2002197	50.94	nq	96
64) 4,6-Dinitro-2-methylphenol	10.53	198	286527	64.51	nq	# 45
65) n-Nitrosodiphenylamine	10.60	169	1433546	50.16	nq	100
66) 4-Bromophenyl-phenylether	10.97	248	393274	45.22	nq	# 86
67) Hexachlorobenzene	11.04	284	463454	50.85	nq	# 74
68) Atrazine	11.13	200	372875	42.57	nq	99
69) Pentachlorophenol	11.22	266	483770	87.53	nq	97
70) Phenanthrene	11.45	178	2204061	49.45	nq	99
71) Anthracene	11.49	178	2107867	56.14	nq	100
72) Carbazole	11.65	167	2197401	51.84	nq	98
73) Di-n-butylphthalate	11.98	149	2417133	42.17	nq	99
74) Fluoranthene	12.62	202	2028604	54.00	nq	98
76) Benzidine	12.75	184	84539	4.59	nq	99
77) Pyrene	12.85	202	1961830	53.87	nq	99
79) Butylbenzylphthalate	13.48	149	982560	58.41	nq	# 84
80) Benzo(a)anthracene	14.04	228	1278631	49.07	nq	100
81) 3,3'-Dichlorobenzidine	14.01	252	249984	16.55	nq	# 98
82) Chrysene	14.08	228	1246557	44.87	nq	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	919139	50.60	nq	# 98
84) Di-n-octyl phthalate	14.66	149	1984111	56.67	nq	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	1700229	74.45	nq	96
87) Benzo(b)fluoranthene	15.07	252	1585981m	53.59	nq	
88) Benzo(k)fluoranthene	15.11	252	977661m	36.23	nq	
89) Benzo(a)pyrene	15.43	252	1317528	51.39	nq	98
90) Dibenzo(a,h)anthracene	16.92	278	1379055	60.87	nq	# 95
91) Benzo(g,h,i)perylene	17.33	276	1521077	63.14	nq	# 94

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

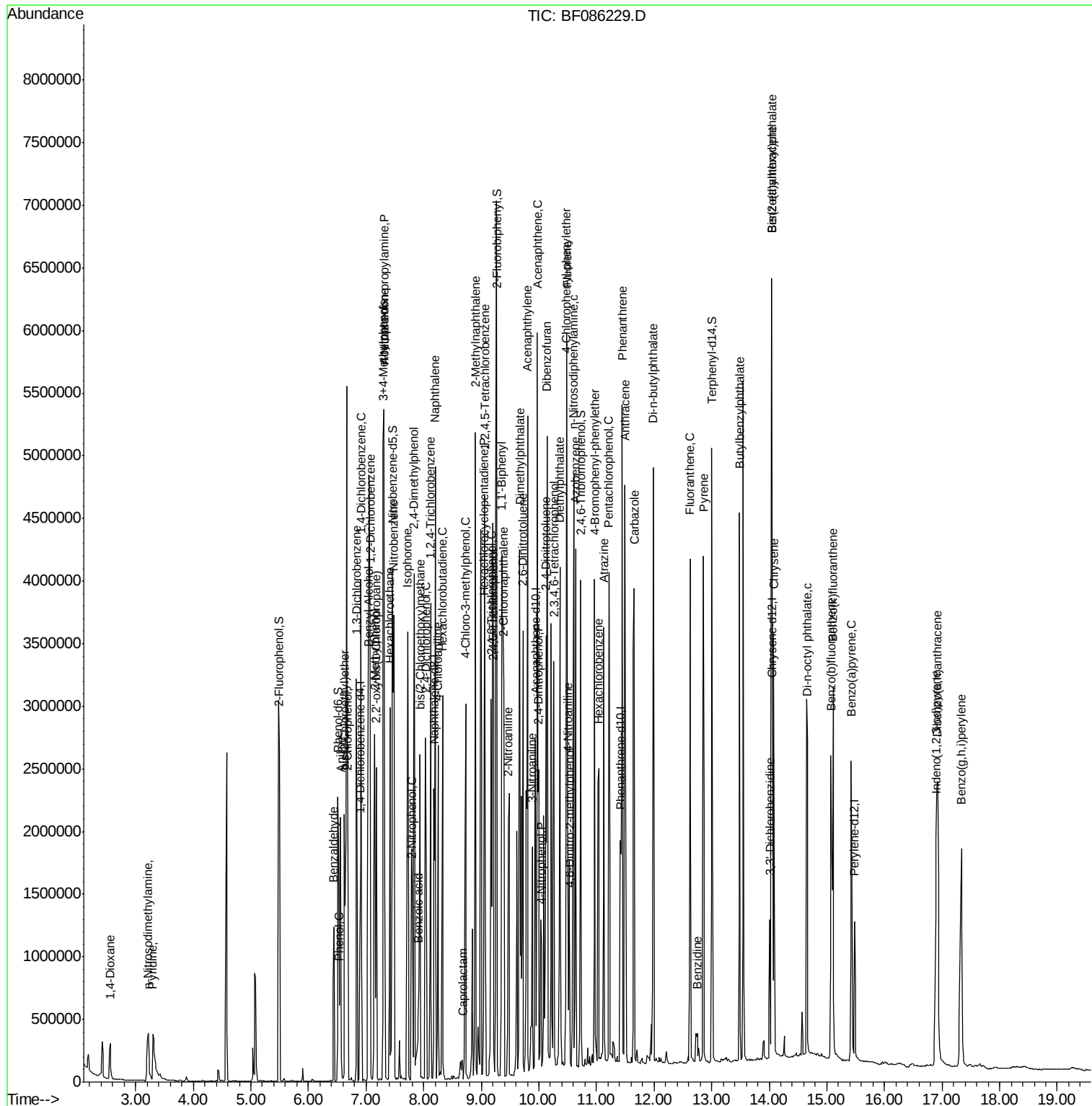
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Operator : UM/SJ
Sample : H2402-05MSD
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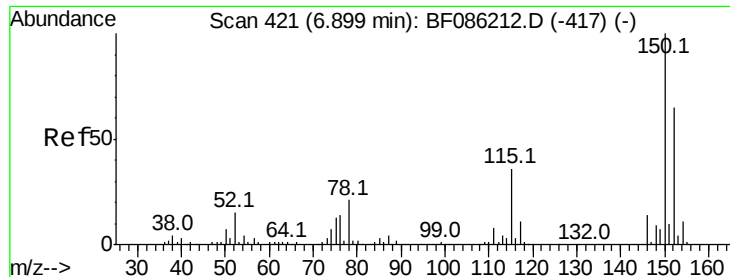
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

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#1

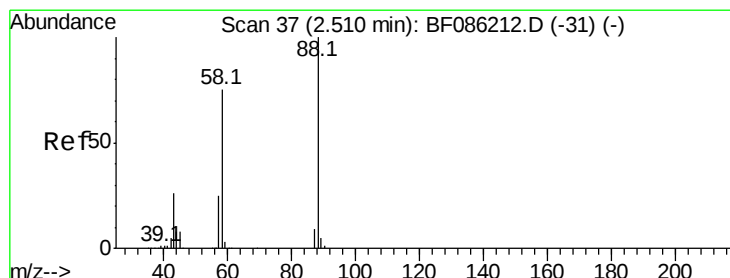
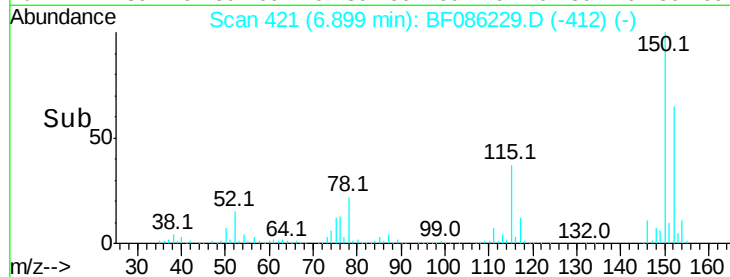
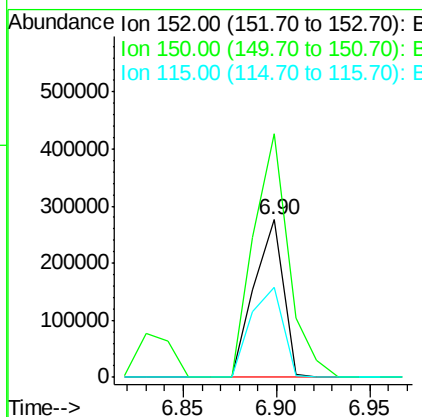
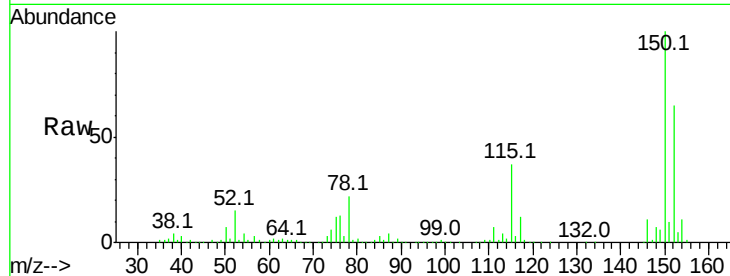
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.1	186.1
115	57.2	43.9	65.9

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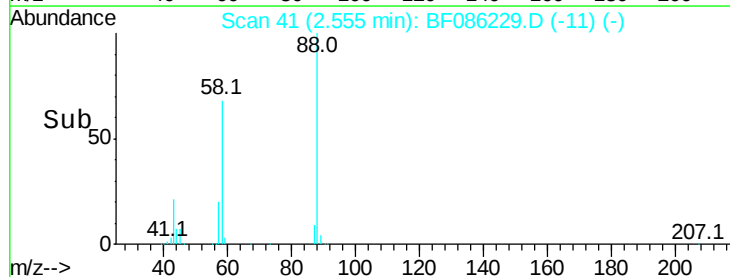
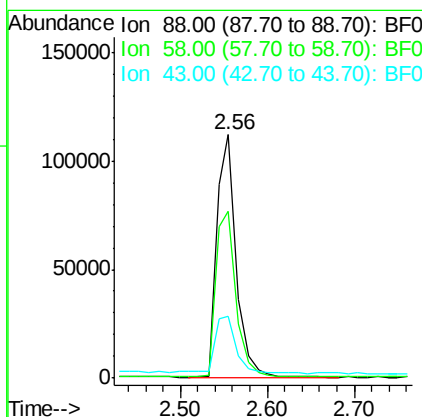
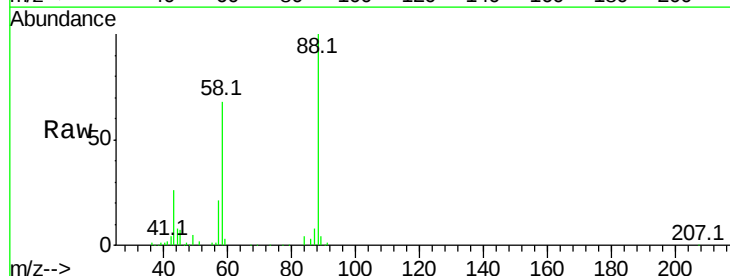
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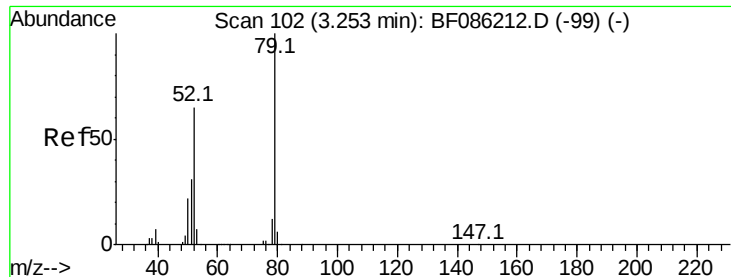


#2

1,4-Dioxane
Concen: 17.32 ng
RT: 2.56 min Scan# 41
Delta R.T. 0.05 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.3	58.4	87.6
43	25.8	23.3	34.9





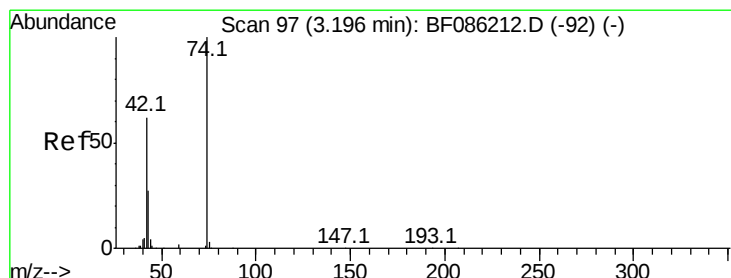
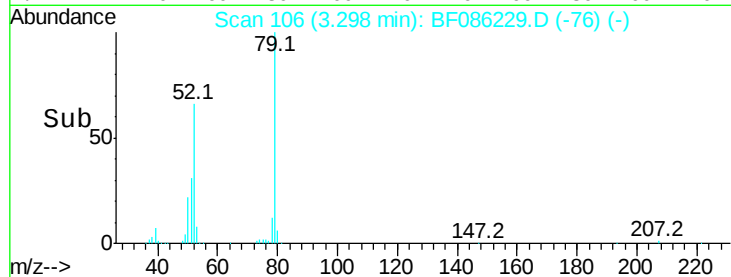
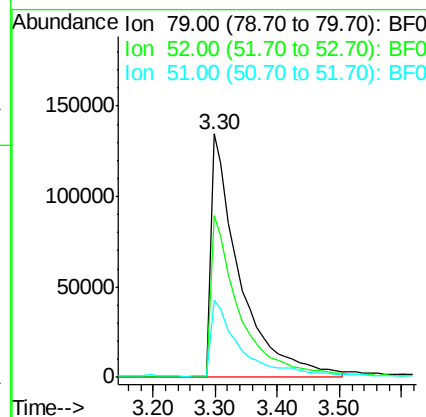
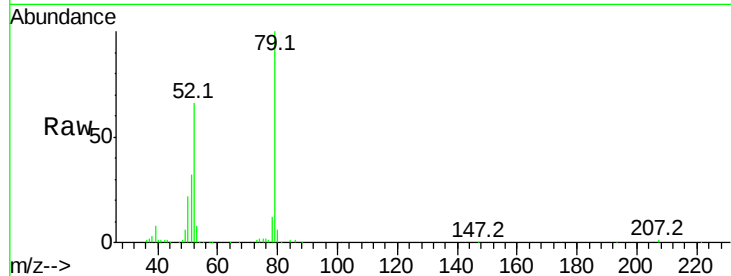
#3
 Pvridine
 Concen: 16.43 ng
 RT: 3.30 min Scan# 106
 Delta R.T. 0.05 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		430170		
52	66.3	55.4	83.2		
51	31.6	28.1	42.1		

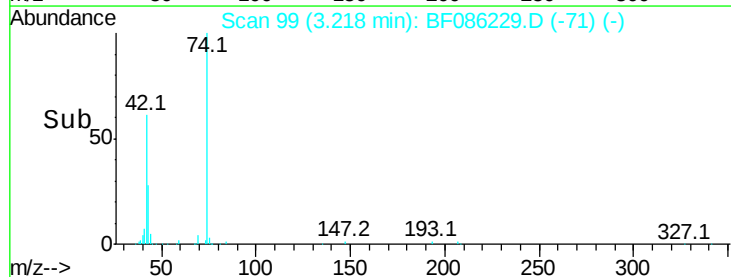
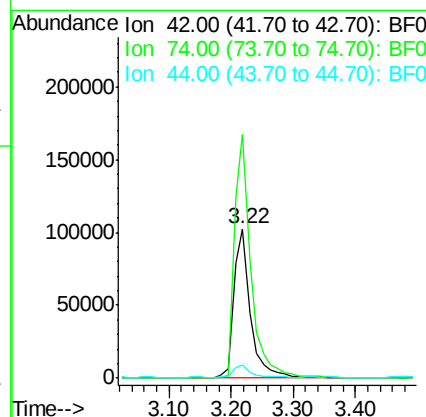
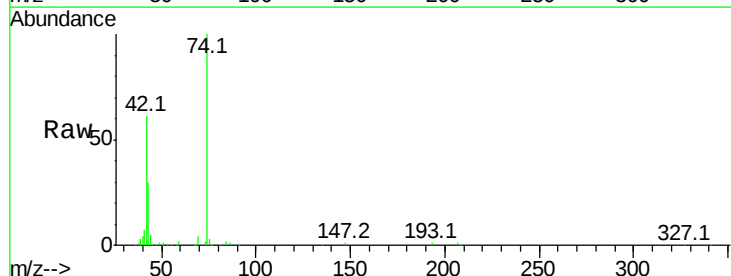
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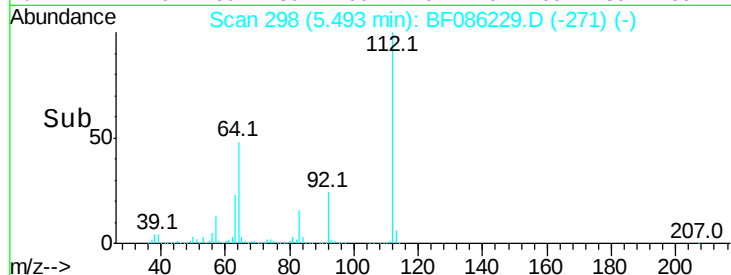
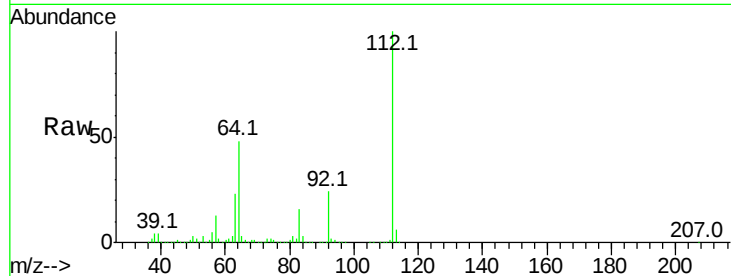
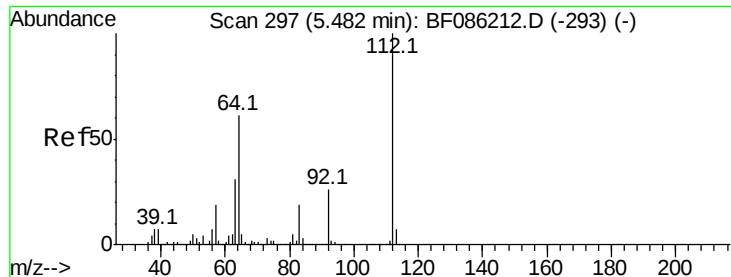
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#4
 n-Nitrosodimethylamine
 Concen: 20.33 ng
 RT: 3.22 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		192312		
74	163.3	100.5	150.7#		
44	8.5	5.4	8.0#		





#5

2-Fluorophenol

Concen: 67.90 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086229.D

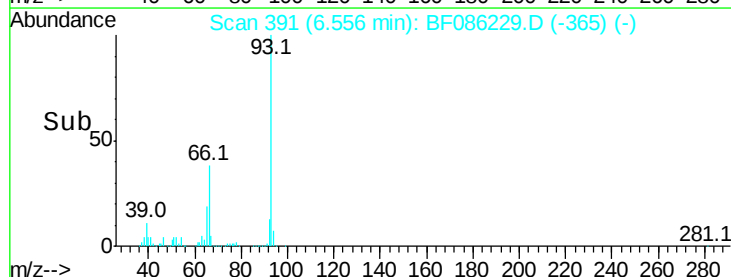
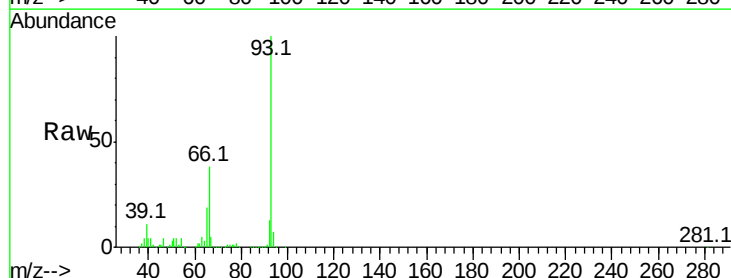
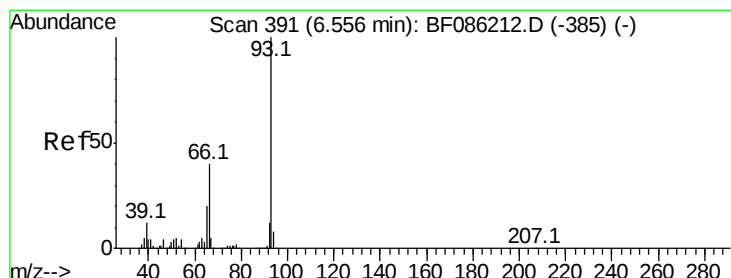
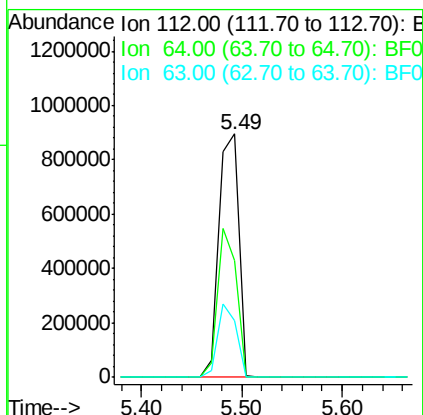
Acq: 15 Apr 2016 21:13

Tot Ion	Ratio	Lower	Upper
112	100		
64	47.9	48.1	72.1#
63	23.2	25.5	38.3#

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

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#6

Aniline

Concen: 28.77 ng

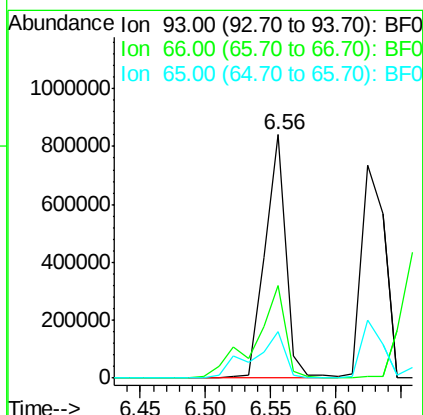
RT: 6.56 min Scan# 391

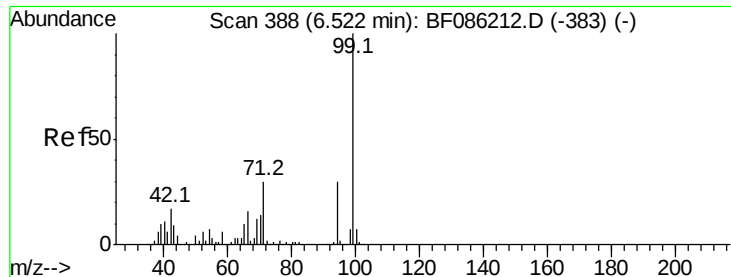
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
93	100		
66	38.0	32.2	48.2
65	19.1	16.4	24.6





#7

Phenol-d6

Concen: 43.26 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

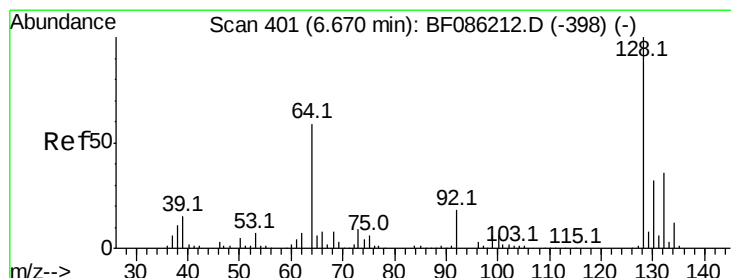
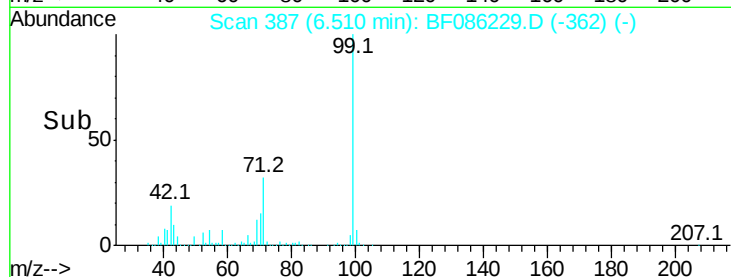
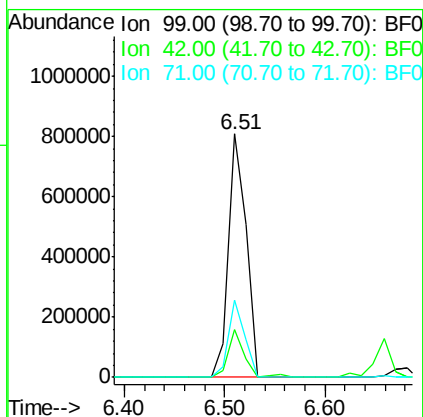
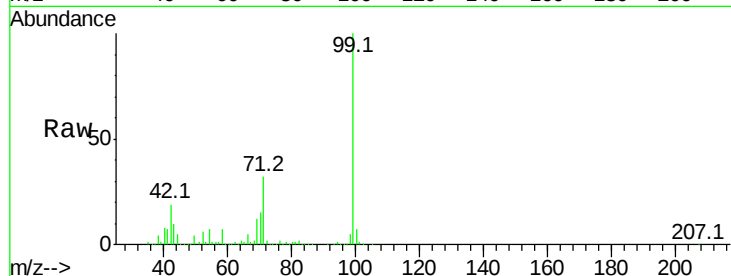
ClientSampleId :

H2402-04MSMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		985219		
42	19.4	15.4	23.2		
71	31.8	25.6	38.4		

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#8

2-Chlorophenol

Concen: 37.67 ng

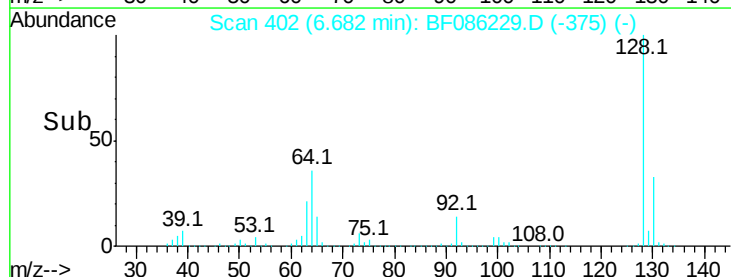
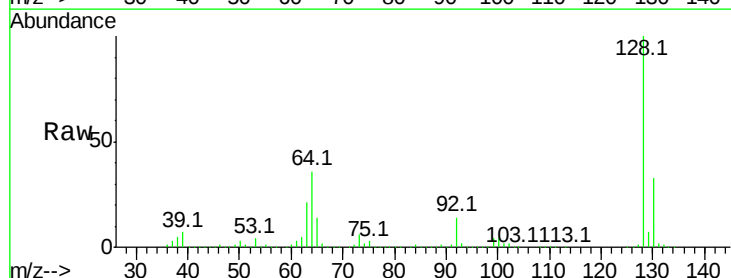
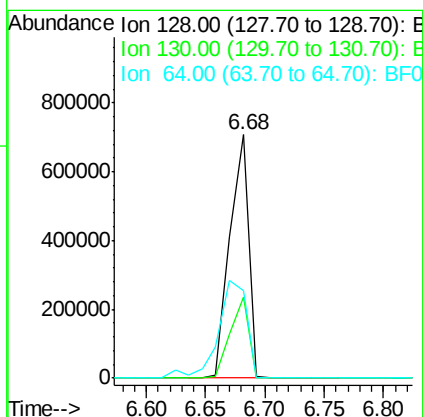
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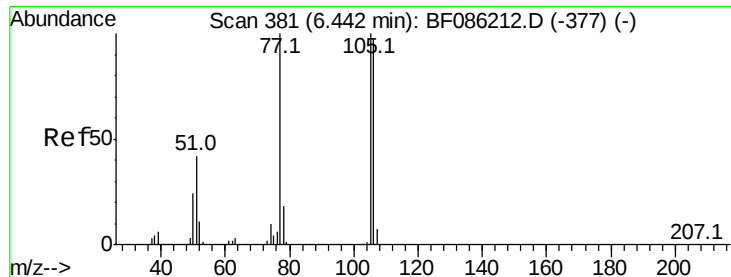
Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		775845		
130	33.2	11.8	51.8		
64	35.7	39.5	79.5#		





#9

Benzaldehyde

Concen: 19.33 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

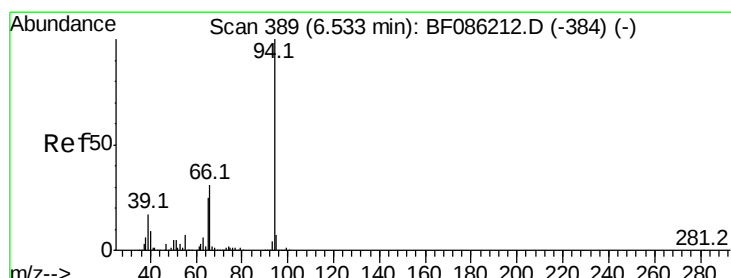
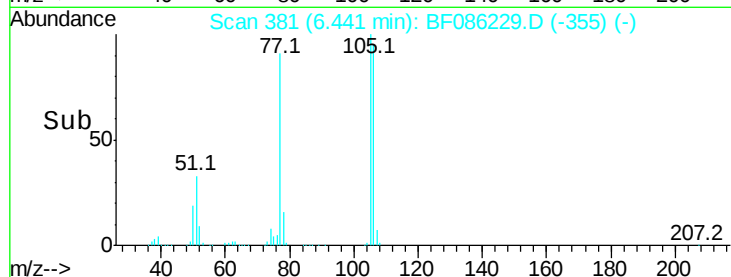
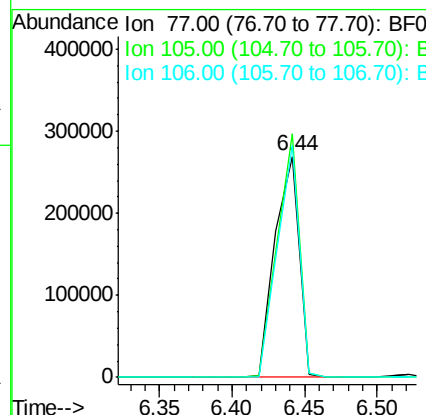
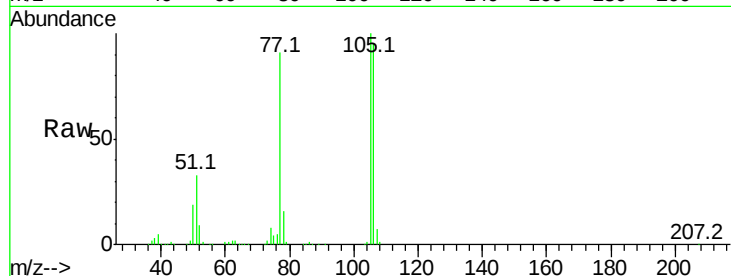
ClientSampleId :

H2402-04MSMSD

Tot Ion:	77	Resp:	312377
Ion Ratio	Lower	Upper	
77	100		
105	110.2	84.6	124.6
106	104.9	78.6	118.6

Manual Integrations
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#10

Phenol

Concen: 15.46 ng

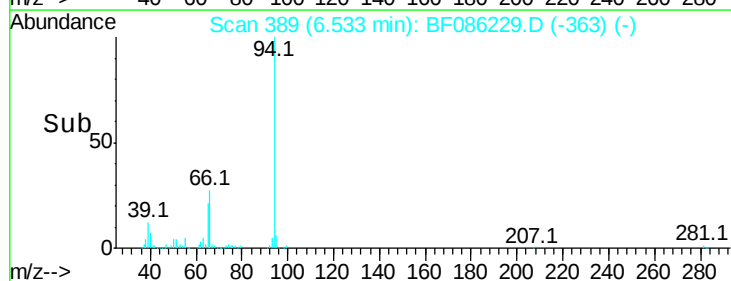
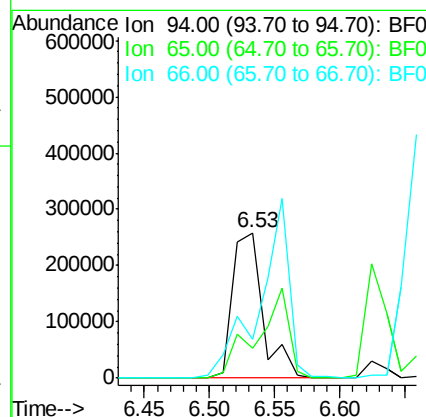
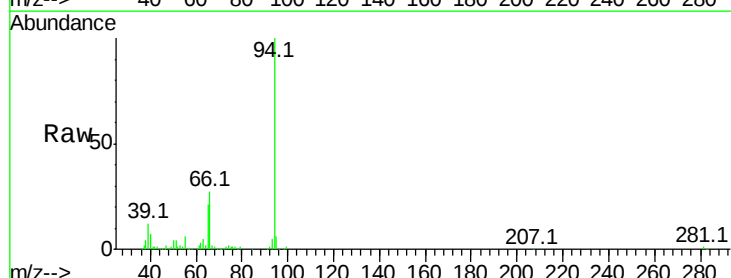
RT: 6.53 min Scan# 389

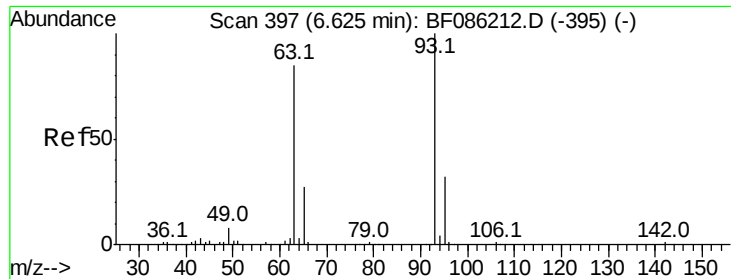
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	94	Resp:	419245
Ion Ratio	Lower	Upper	
94	100		
65	20.6	7.9	47.9
66	26.6	16.5	56.5





#11

bis(2-Chloroethyl)ether

Concen: 43.96 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion: 93 Resp: 897029

Ion Ratio Lower Upper

93 100

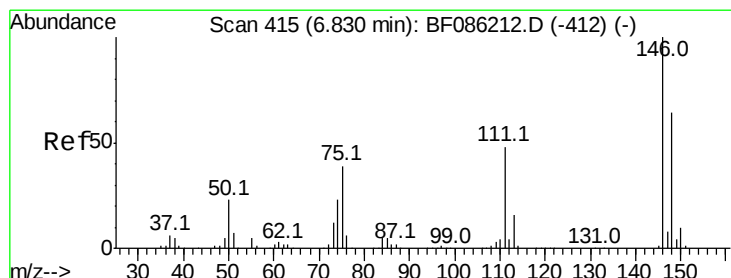
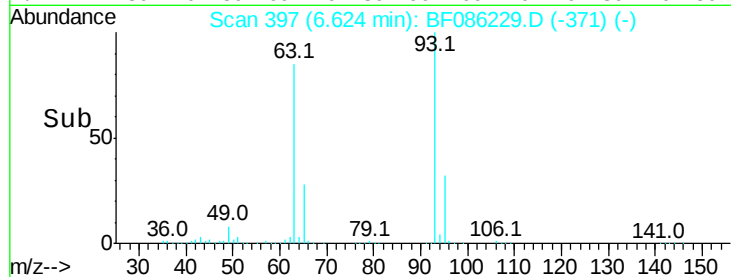
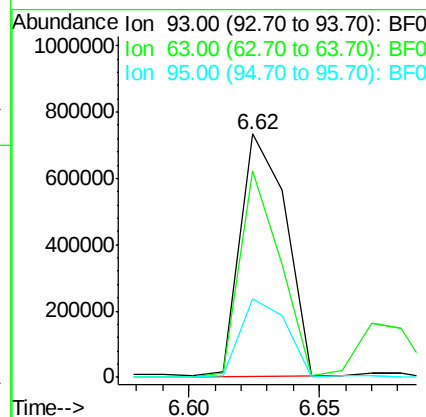
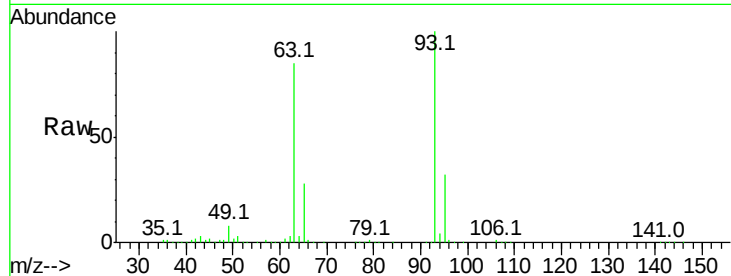
63 84.8 44.4 84.4#

95 32.1 13.1 53.1

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 42.13 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

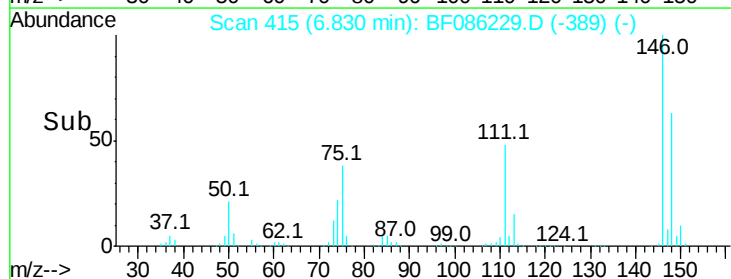
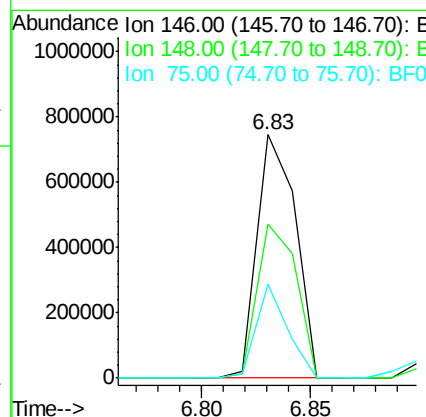
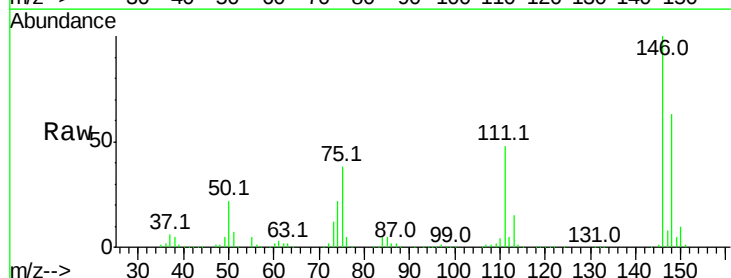
Tgt Ion: 146 Resp: 920774

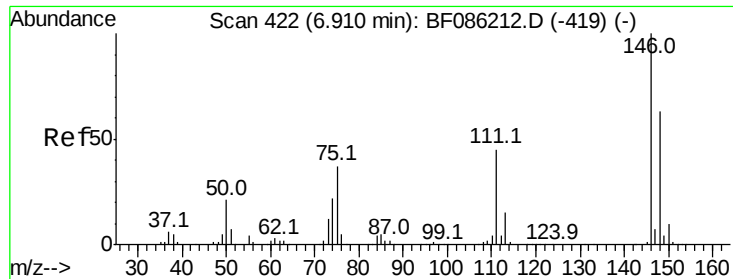
Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.4

75 38.3 29.9 44.9





#13

1,4-Dichlorobenzene

Concen: 41.99 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

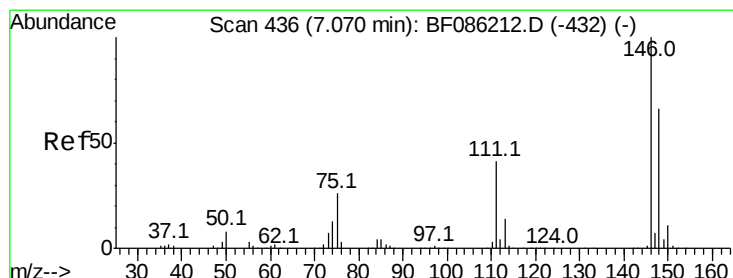
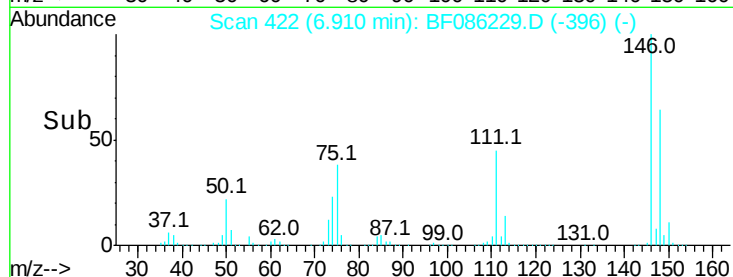
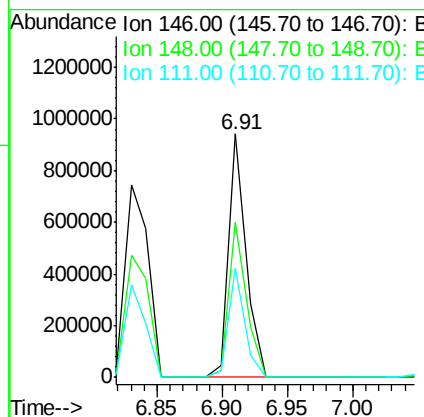
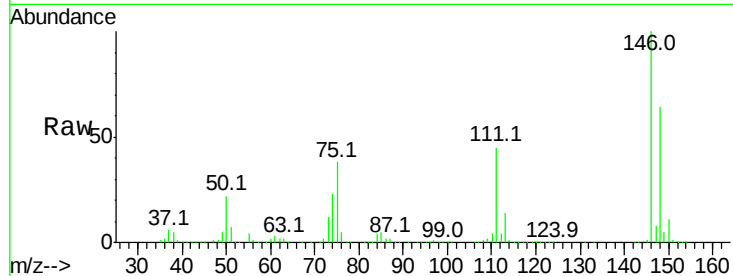
ClientSampleId :

H2402-04MSMSD

Tot Ion:	146	Resp:	874189
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.8	77.6
111	45.0	34.9	52.3

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 45.41 ng

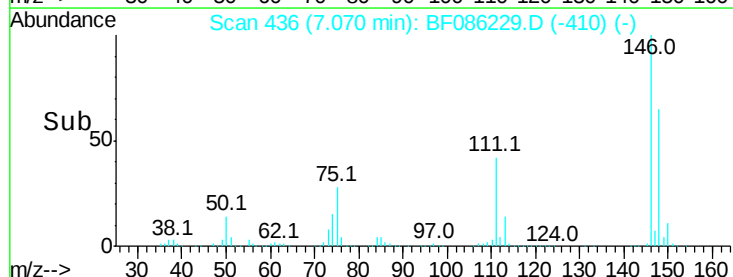
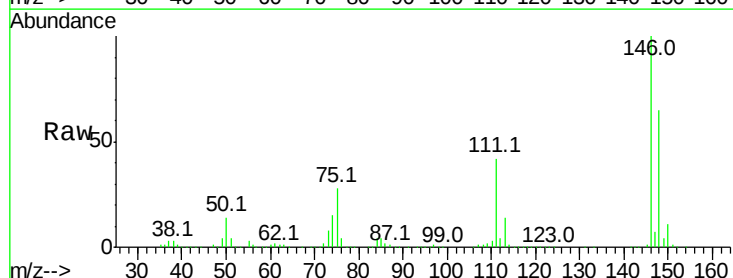
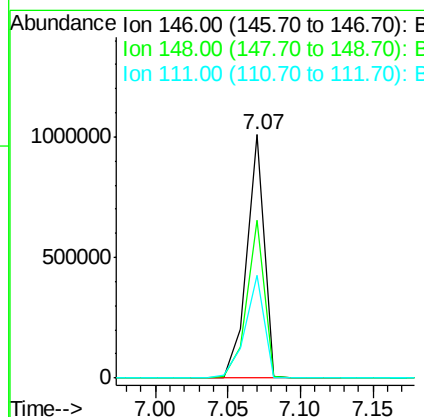
RT: 7.07 min Scan# 436

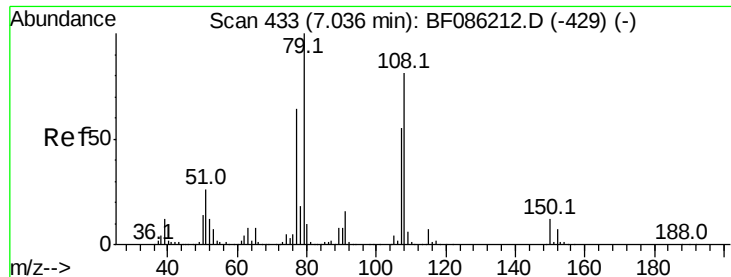
Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	146	Resp:	839131
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.2	78.2
111	42.1	31.0	46.4





#15

Benzyl Alcohol

Concen: 35.92 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

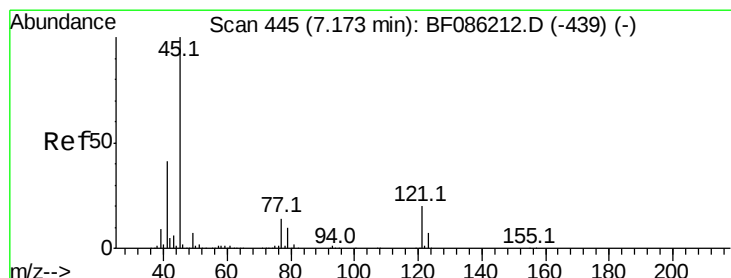
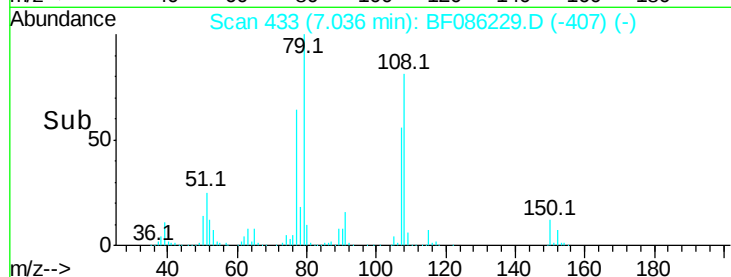
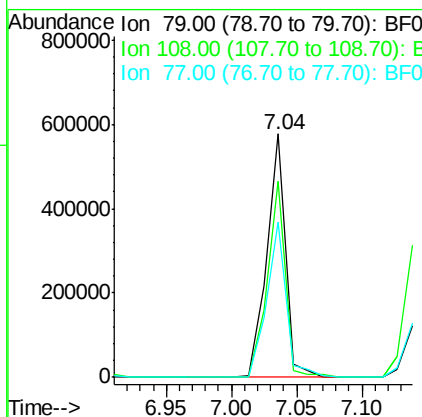
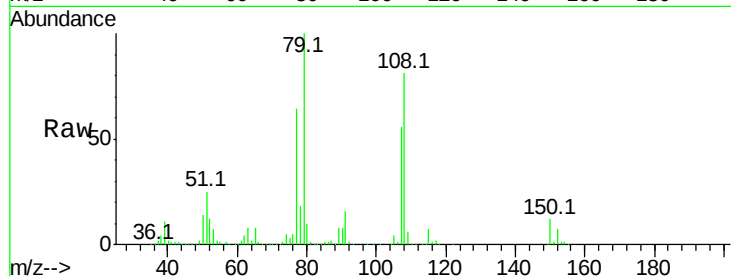
ClientSampleId :

H2402-04MSMSD

Tot Ion:	79	Resp:	580375
Ion Ratio	Lower	Upper	
79	100		
108	80.7	64.8	97.2
77	63.6	51.9	77.9

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#16

2,2'-oxybis(1-chloropropane)

Concen: 47.64 ng

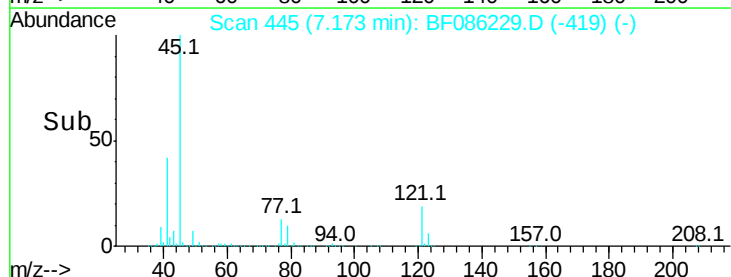
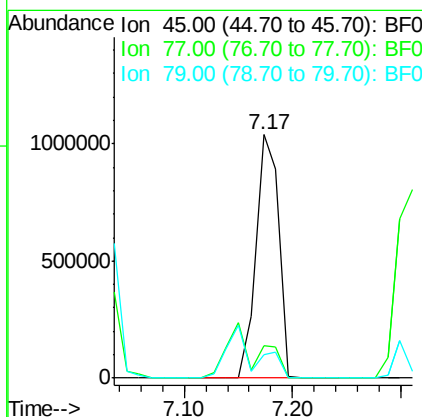
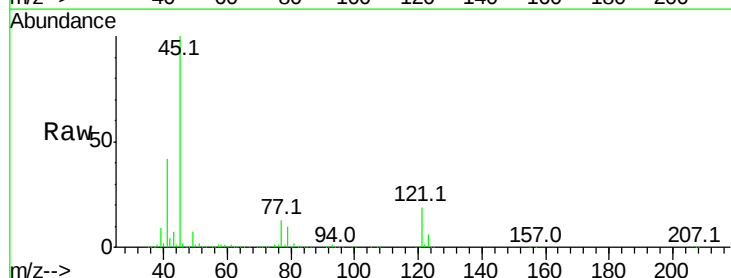
RT: 7.17 min Scan# 445

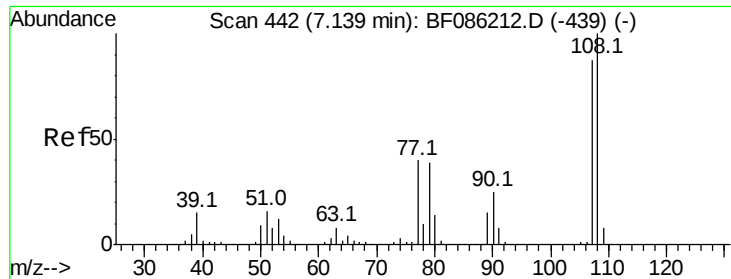
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	45	Resp:	1514470
Ion Ratio	Lower	Upper	
45	100		
77	13.4	0.0	33.7
79	9.9	0.0	30.1





#17

2-Methylphenol

Concen: 35.75 ng

RT: 7.15 min Scan# 443

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

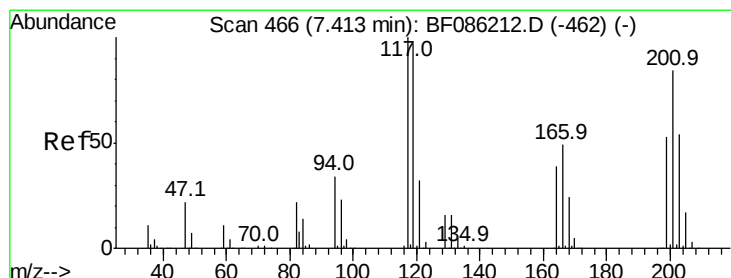
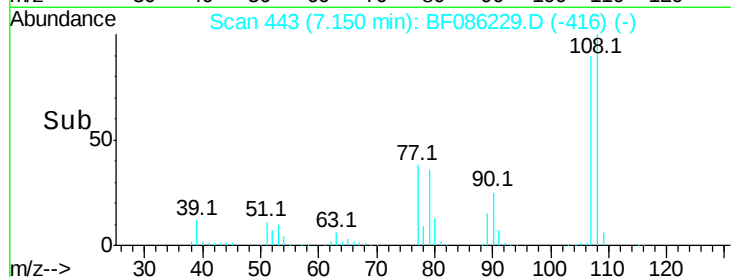
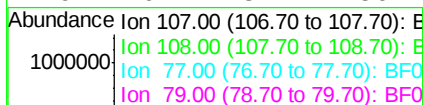
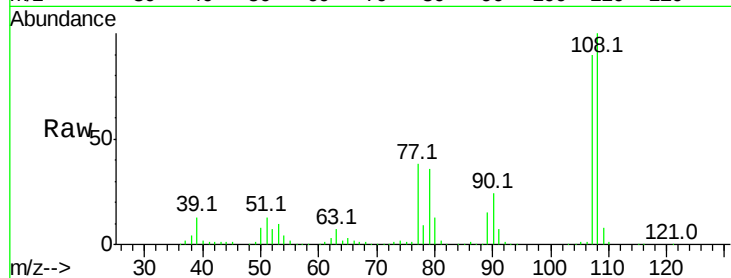
ClientSampleId :

H2402-04MSMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	613570		
108	111.7	92.7	139.1	
77	42.4	39.6	59.4	
79	40.4	37.4	56.2	

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#18

Hexachloroethane

Concen: 43.96 ng

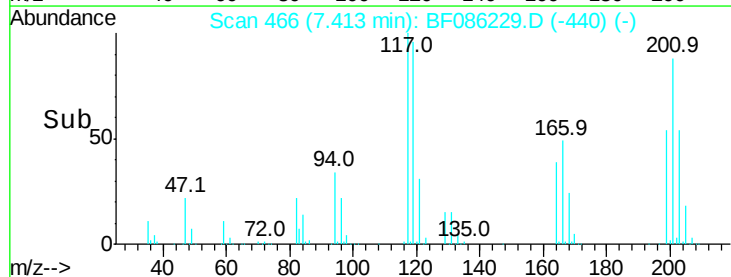
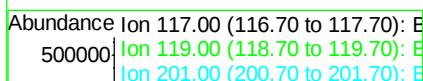
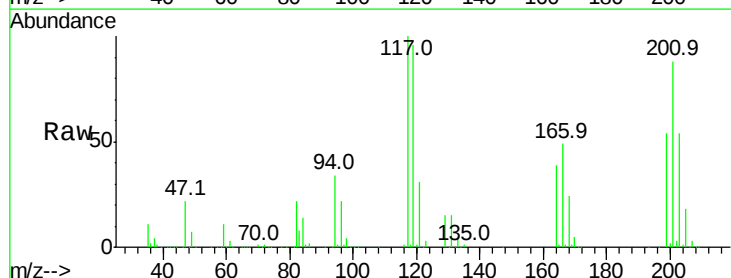
RT: 7.41 min Scan# 466

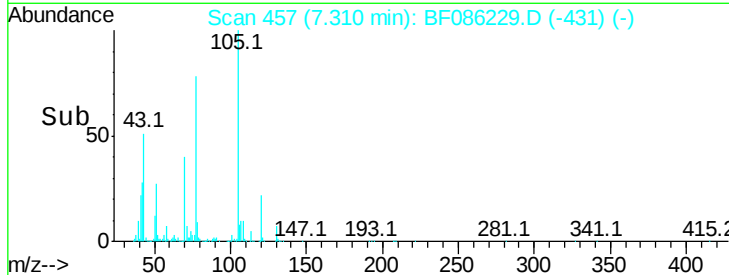
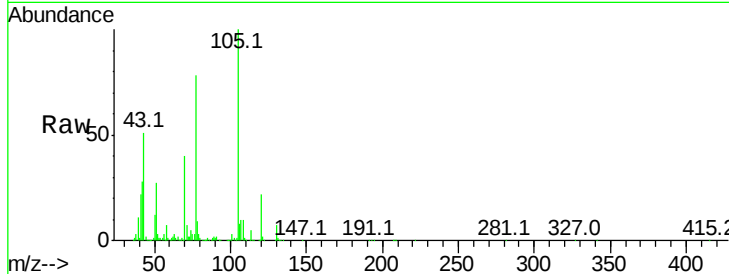
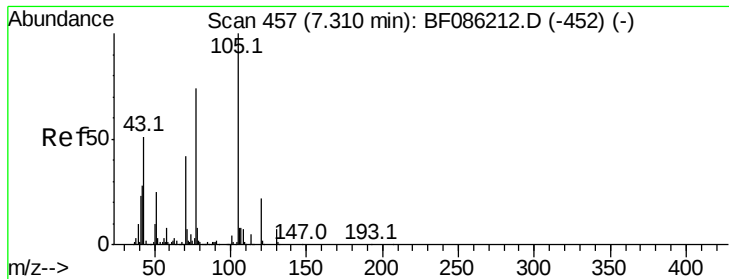
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	345218		
119	96.3	78.2	117.4	
201	87.5	75.7	113.5	





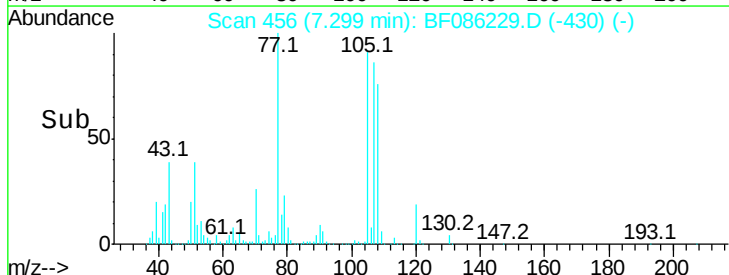
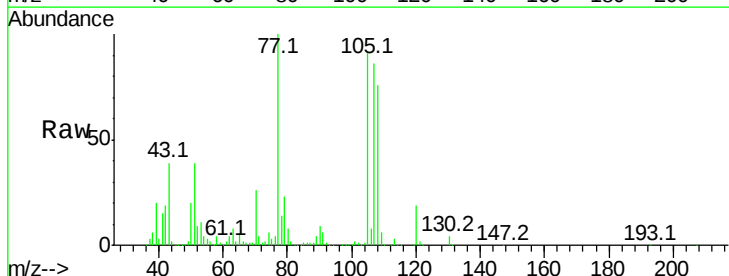
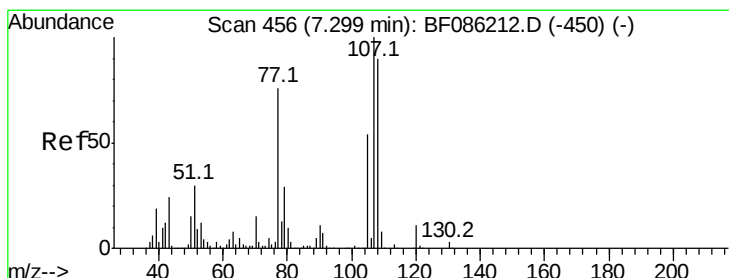
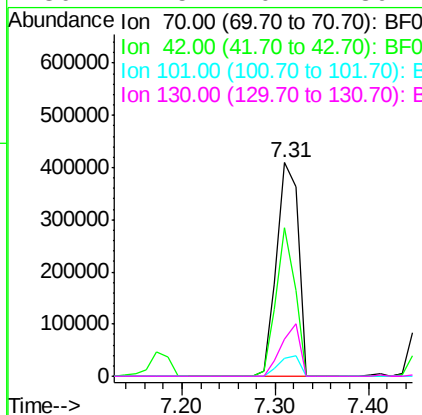
#19
n-Nitroso-di-n-propylamine
Concen: 45.29 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.6	43.0	64.4#
101	8.5	8.1	12.1
130	17.5	20.1	30.1#

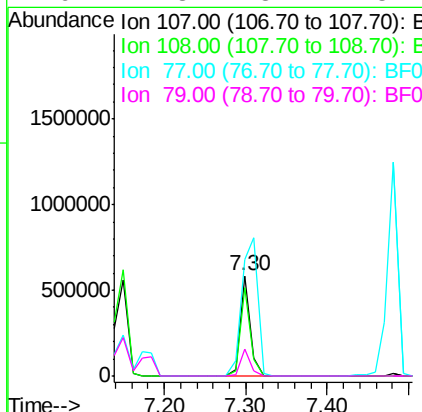
Manual Integrations
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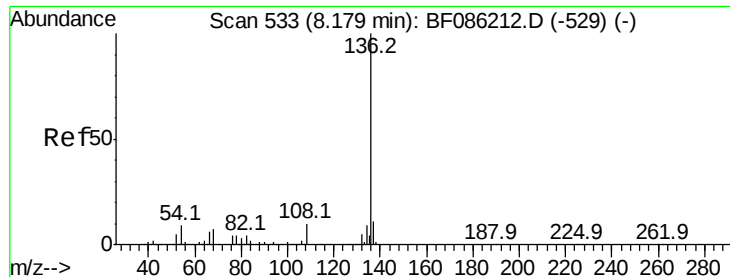
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#20
3+4-Methylphenols
Concen: 26.24 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	69.7	109.7
77	116.5	60.5	100.5#
79	27.3	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: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:136 Resp: 1177860

Ion Ratio Lower Upper

136 100

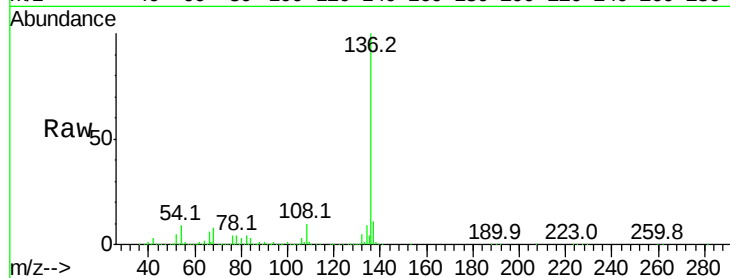
137 11.2 9.1 13.7

54 9.3 7.3 10.9

68 7.5 5.7 8.5

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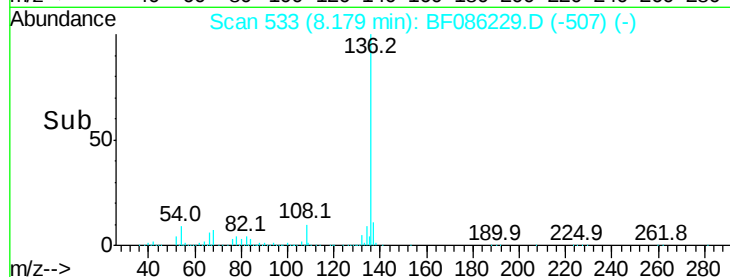


Abundance Ion 136.00 (135.70 to 136.70): E

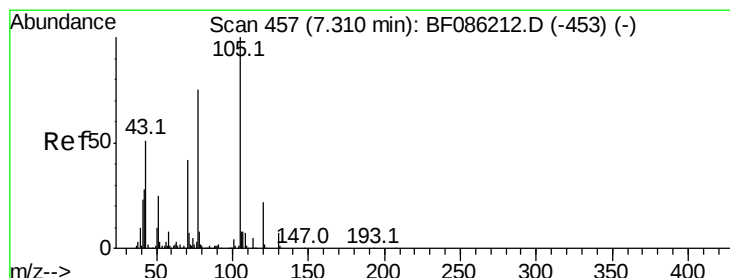
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 58.74 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:105 Resp: 1209330

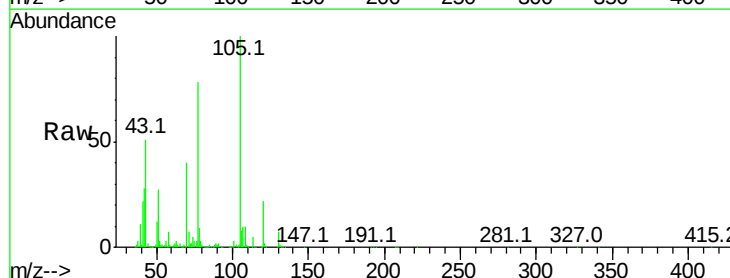
Ion Ratio Lower Upper

105 100

71 6.8 4.0 6.0#

51 27.2 22.0 33.0

120 22.1 17.5 26.3

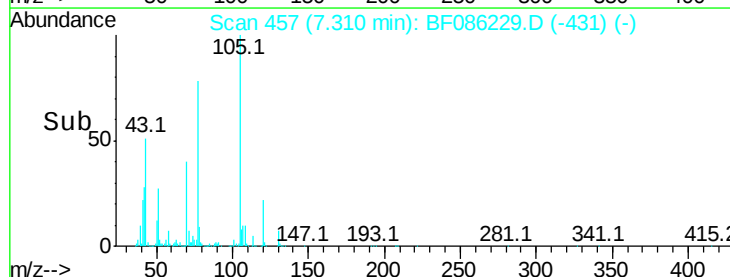


Abundance Ion 105.00 (104.70 to 105.70): E

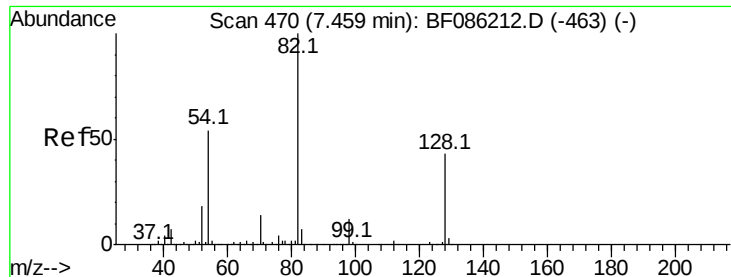
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 96.75 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion: 82 Resp: 1975721

Ion Ratio Lower Upper

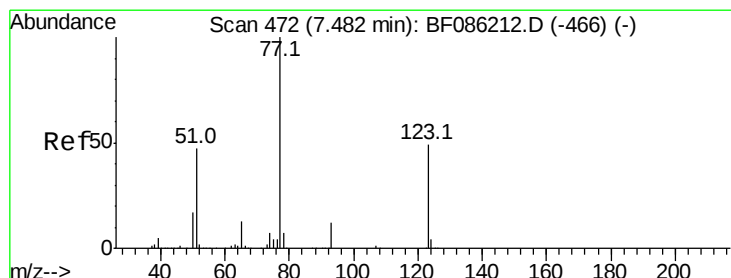
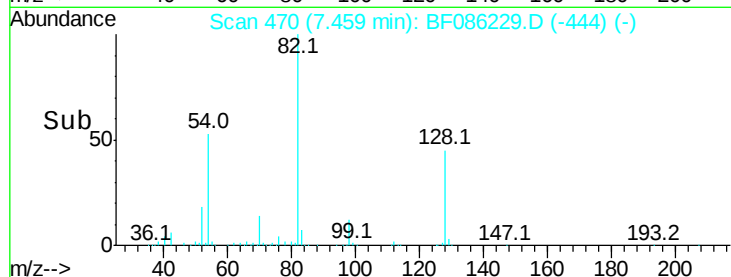
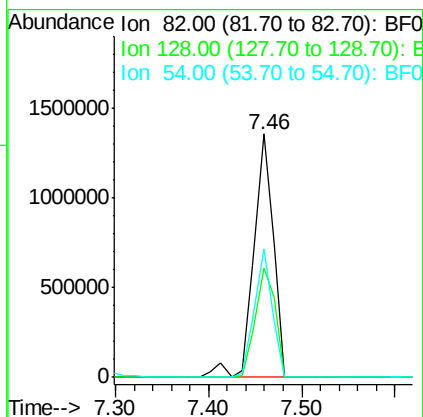
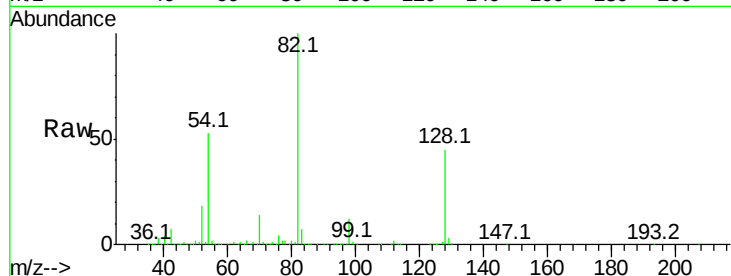
82 100

128 44.6 35.4 53.2

54 52.9 43.4 65.0

Manual Integrations
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#24

Nitrobenzene

Concen: 49.49 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

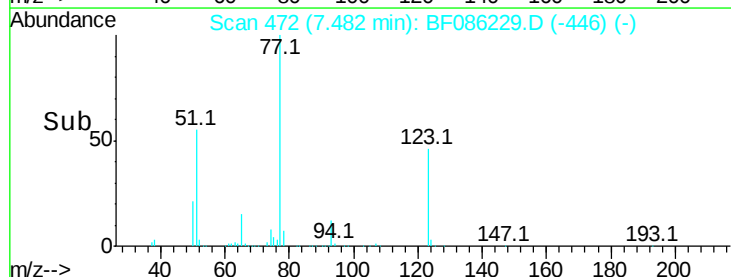
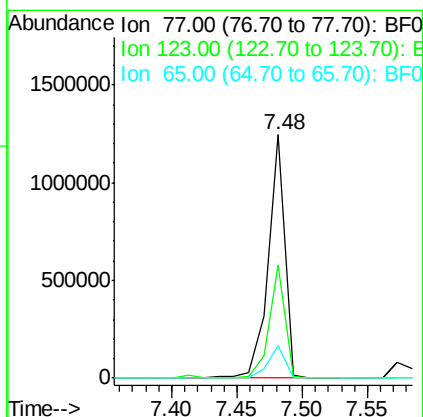
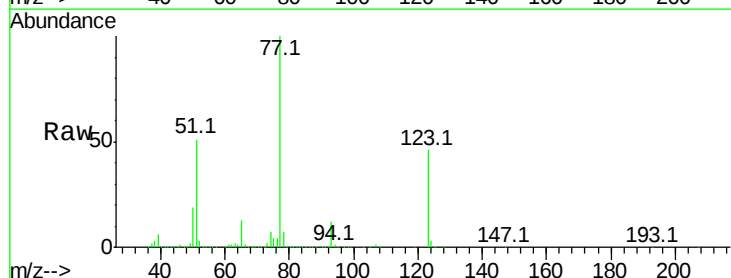
Tgt Ion: 77 Resp: 1105023

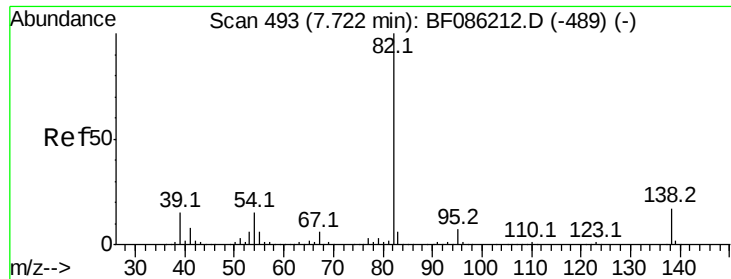
Ion Ratio Lower Upper

77 100

123 46.3 38.3 57.5

65 13.4 11.3 16.9





#25

Isophorone

Concen: 48.03 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion: 82 Resp: 1946405

Ion Ratio Lower Upper

82 100

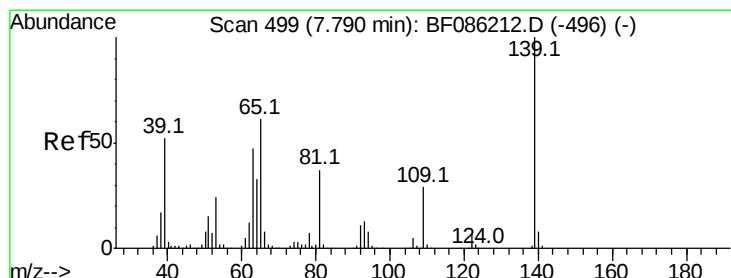
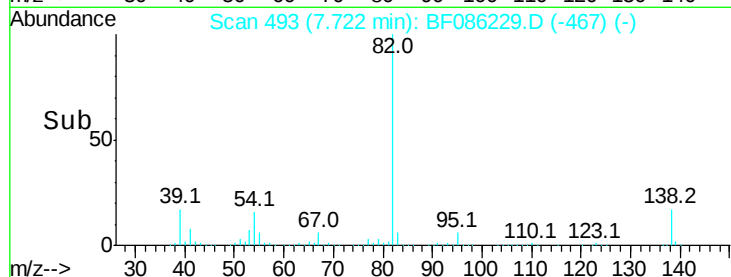
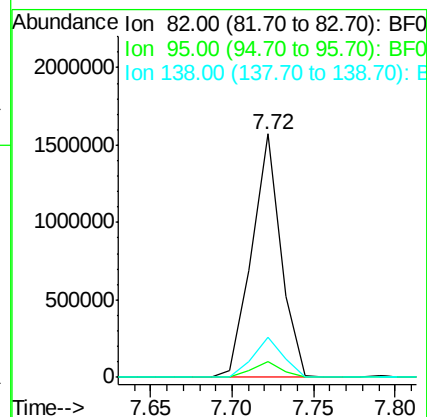
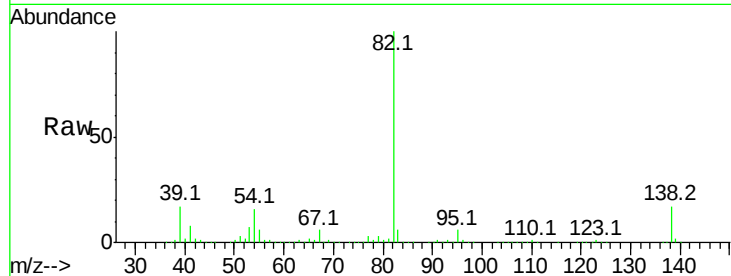
95 6.4 5.4 8.2

138 16.5 13.4 20.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 52.94 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

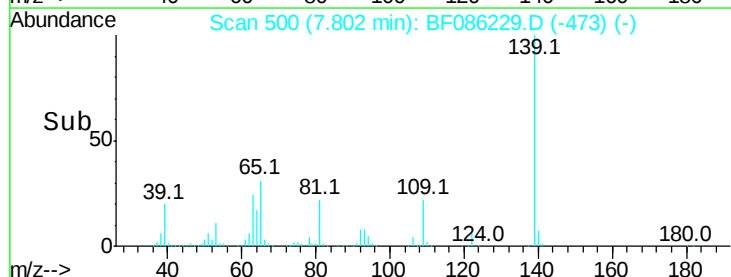
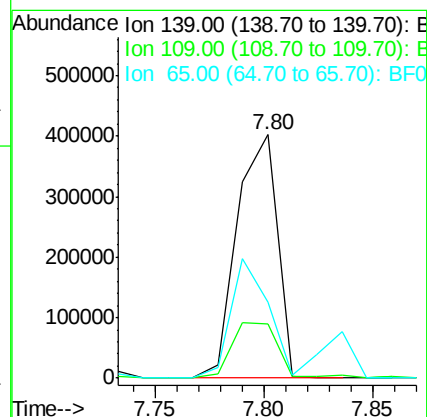
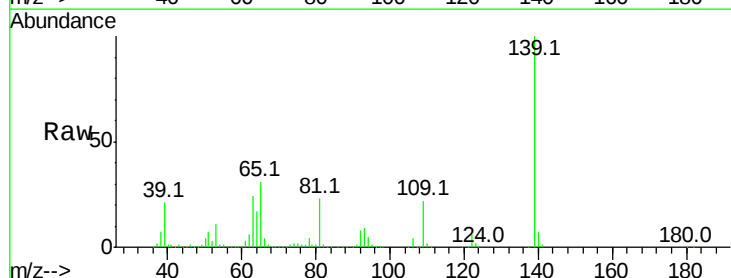
Tgt Ion: 139 Resp: 515353

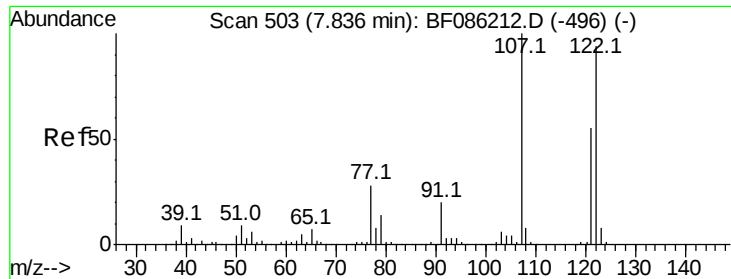
Ion Ratio Lower Upper

139 100

109 22.1 25.8 38.8#

65 31.0 50.2 75.2#





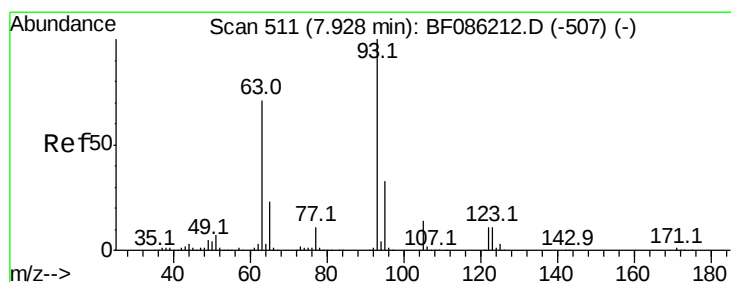
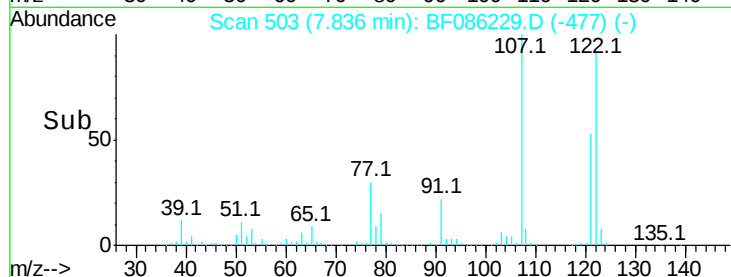
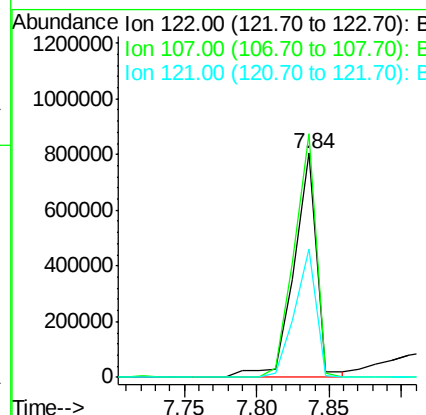
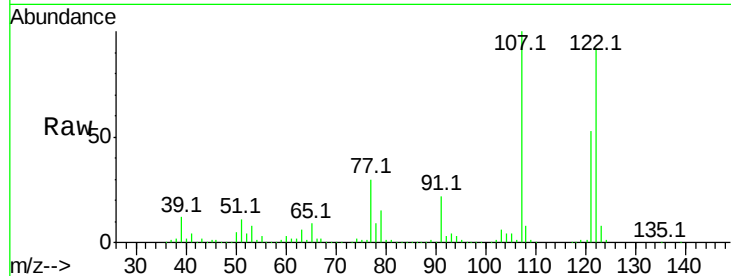
#27
2,4-Dimethylphenol
Concen: 44.42 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	873239		
107	108.8		85.8	128.6
121	57.6		47.1	70.7

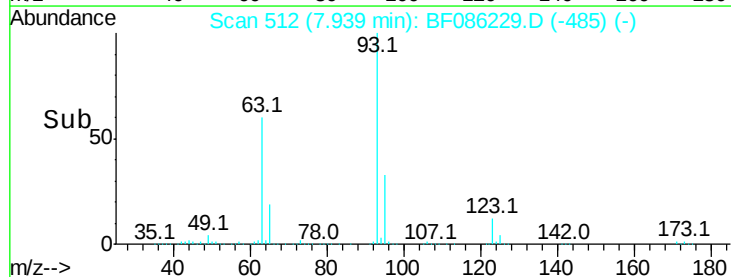
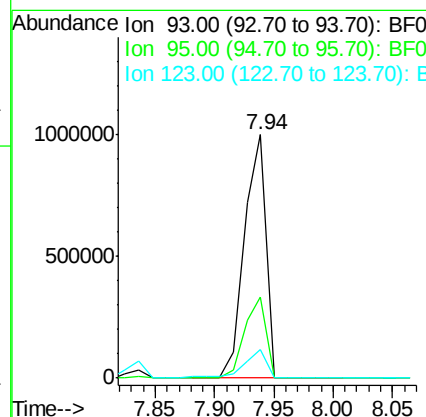
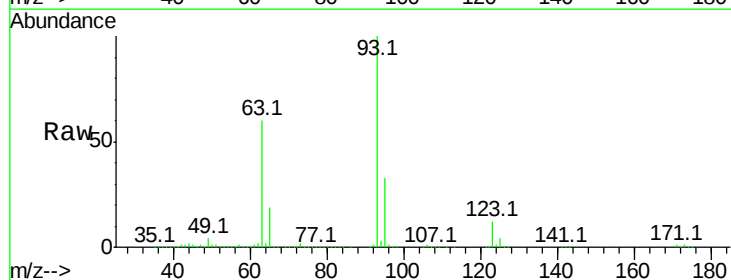
Manual Integrations
APPROVED

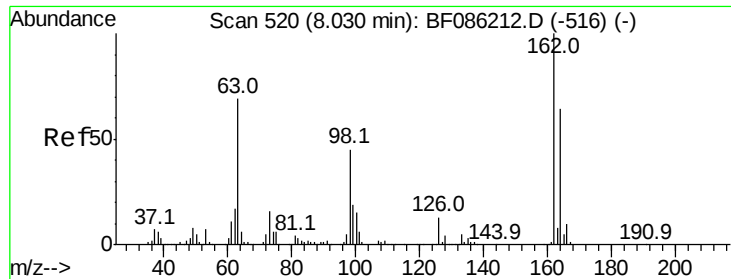
Sohil
4/18/2016 7:30:27 PM



#28
bis(2-Chloroethoxy)methane
Concen: 52.72 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1255887		
95	33.3		25.8	38.8
123	12.0		8.9	13.3





#29

2,4-Dichlorophenol

Concen: 47.72 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

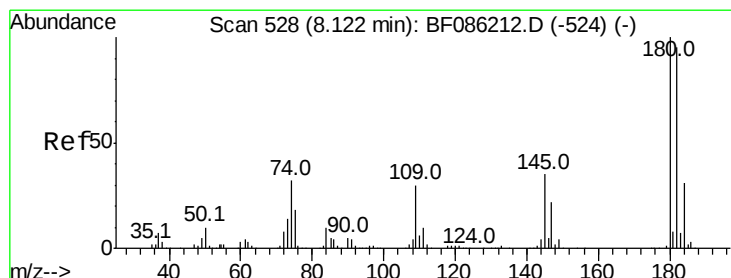
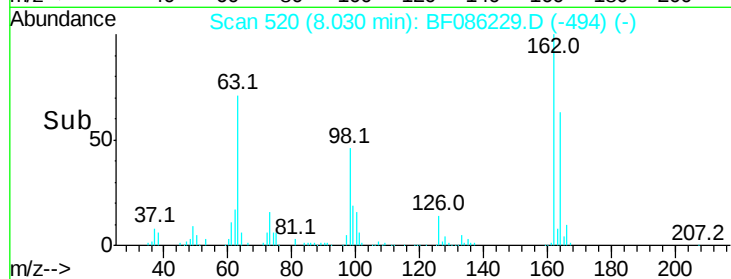
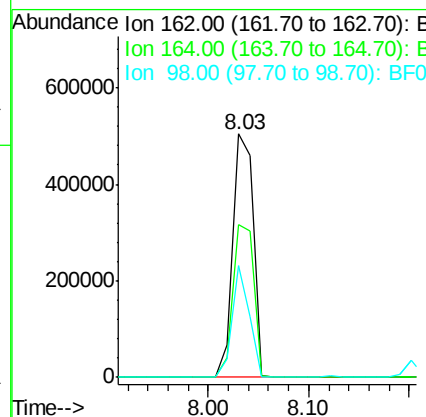
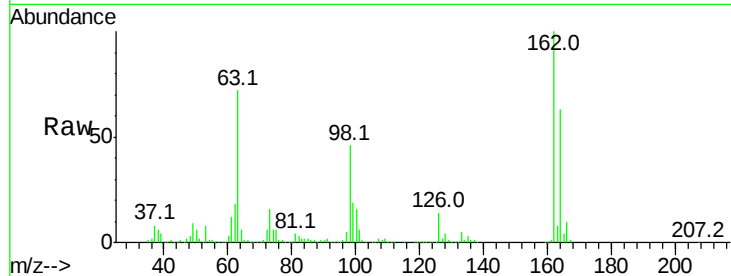
ClientSampleId :

H2402-04MSMSD

Tot Ion:	162	Resp:	713270
Ion Ratio	Lower	Upper	
162	100		
164	62.7	43.3	83.3
98	46.1	22.9	62.9

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 45.08 ng

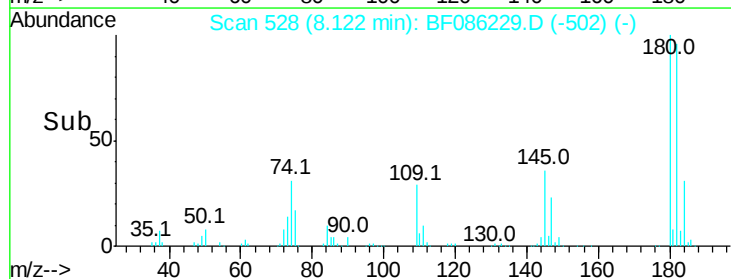
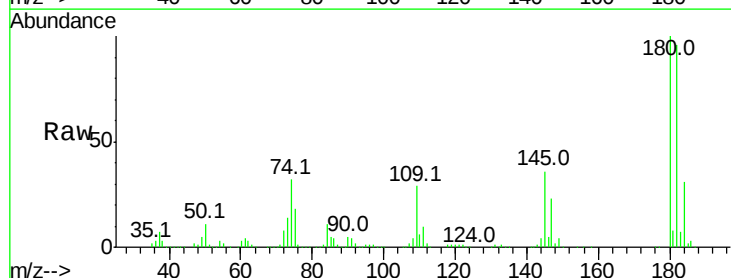
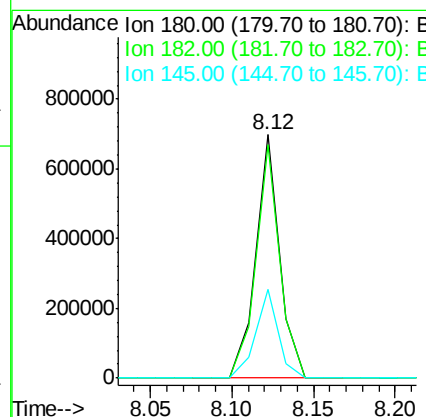
RT: 8.12 min Scan# 528

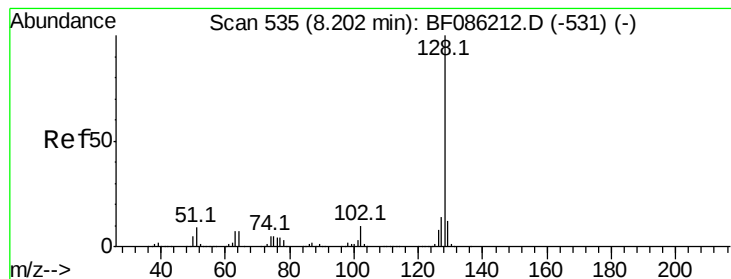
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	180	Resp:	705173
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.3	114.5
145	36.2	27.4	41.2





#31

Naphthalene

Concen: 45.33 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:128 Resp: 2384397

Ion Ratio Lower Upper

128 100

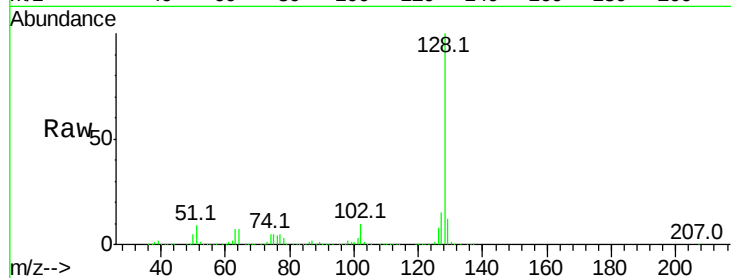
129 12.1 9.6 14.4

127 14.6 11.4 17.2

Manual Integrations
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Sohil

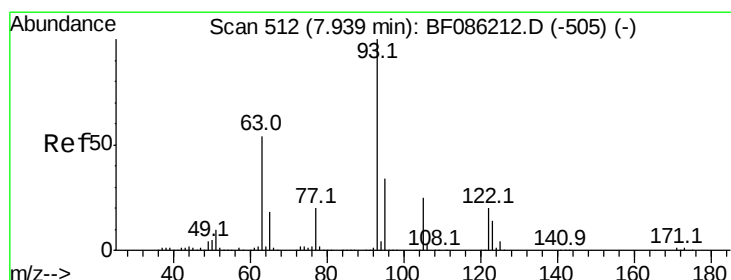
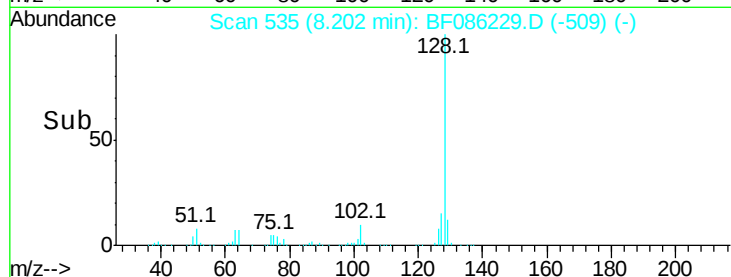
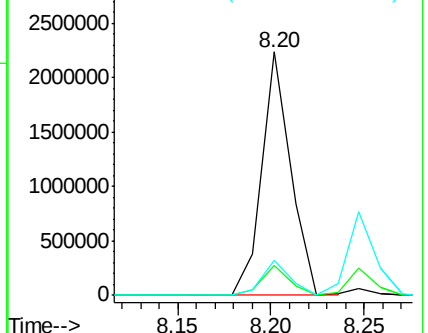
4/18/2016 7:30:27 PM



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: 17.68 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

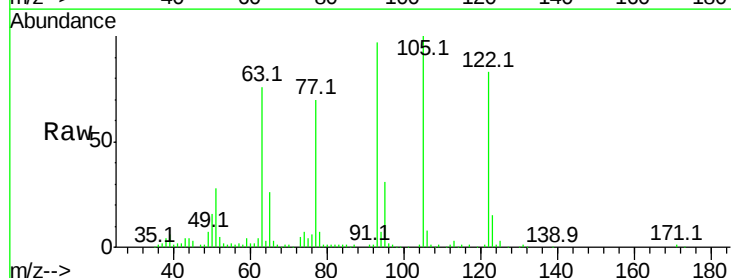
Tgt Ion:122 Resp: 222185

Ion Ratio Lower Upper

122 100

105 121.1 103.7 143.7

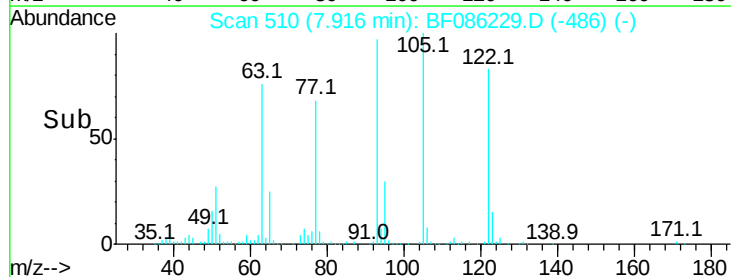
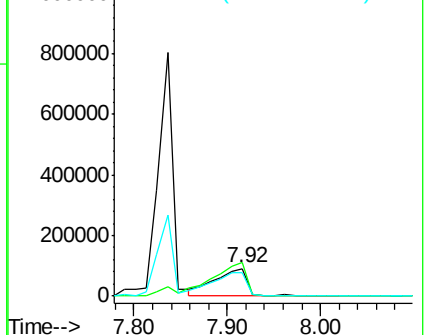
77 85.3 74.9 114.9

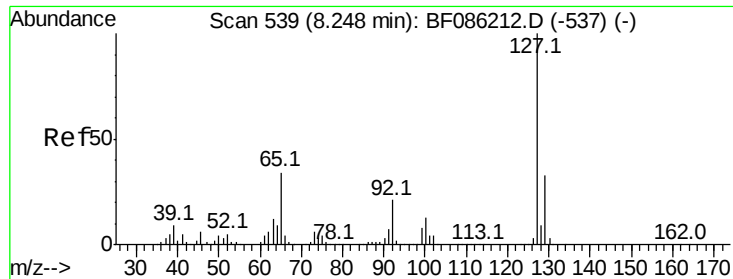


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





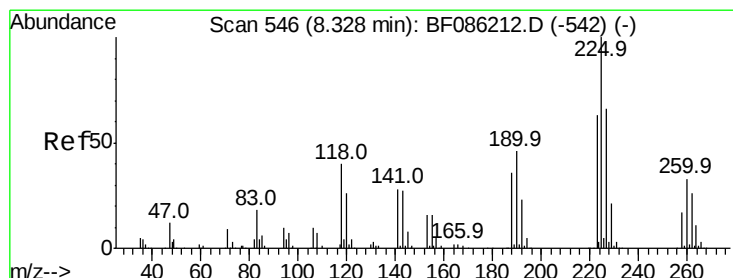
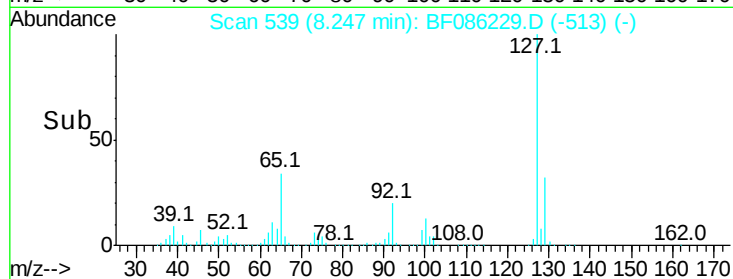
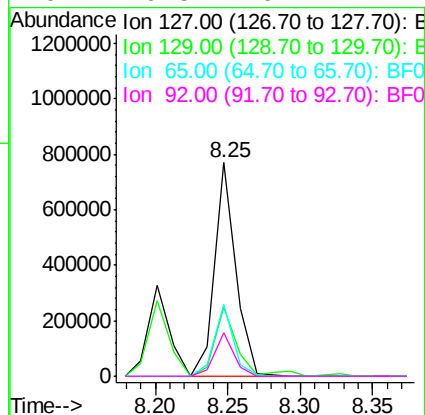
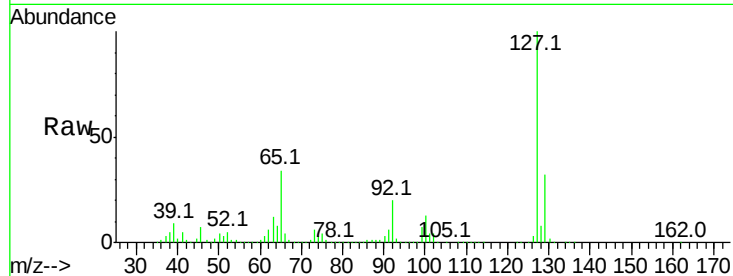
#33
4-Chloroaniline
Concen: 33.18 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	26.8	40.2		
65	33.8	27.1	40.7		
92	20.5	16.2	24.2		

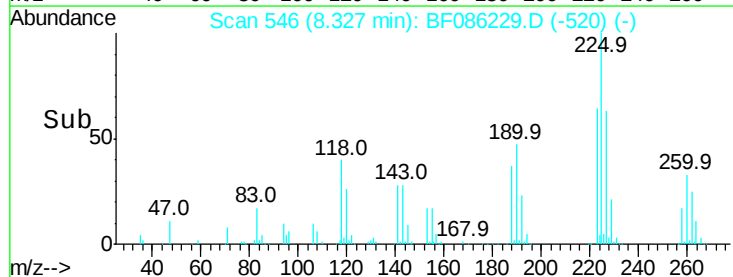
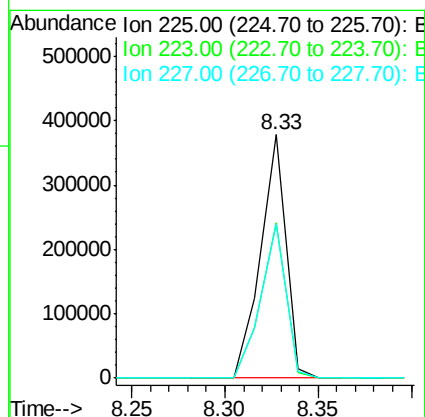
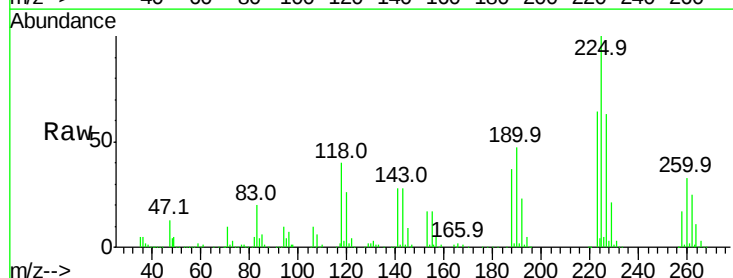
Manual Integrations
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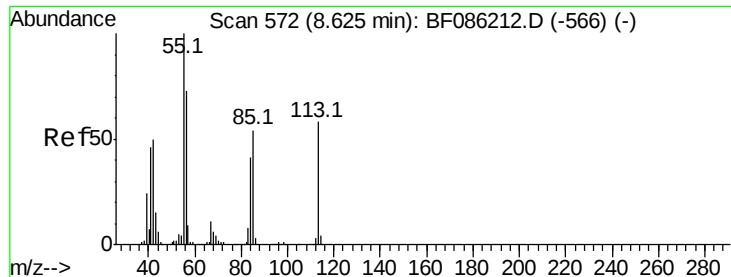
Sohil
4/18/2016 7:30:27 PM



#34
Hexachlorobutadiene
Concen: 45.38 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.7	49.4	74.0		
227	63.3	51.1	76.7		





#35

Caprolactam

Concen: 7.78 ng

RT: 8.67 min Scan# 576

Delta R.T. 0.05 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

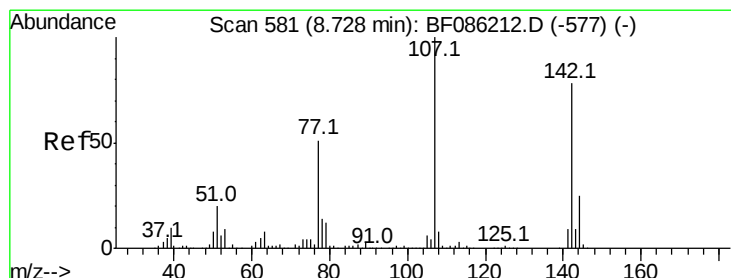
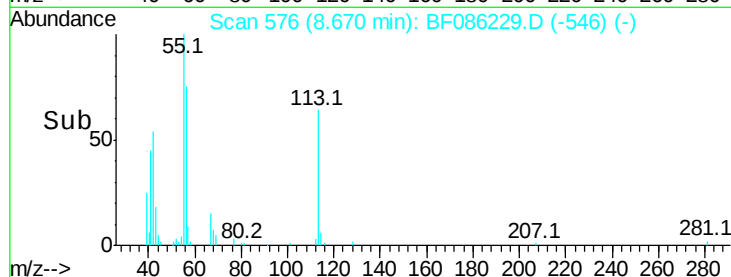
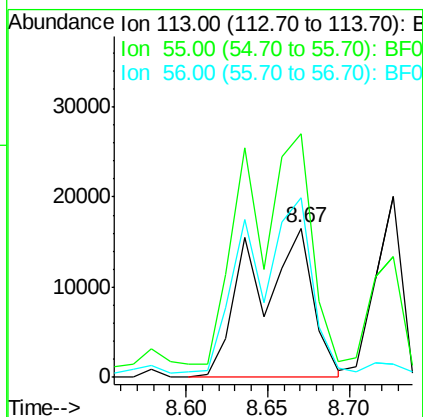
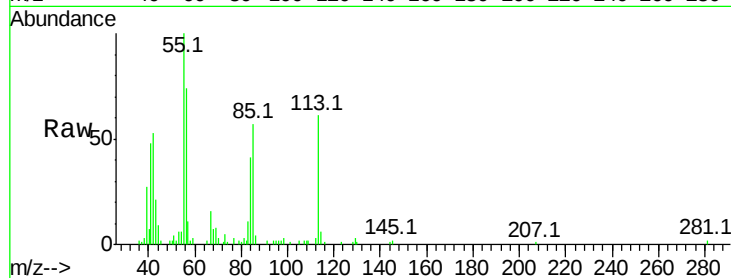
ClientSampleId :

H2402-04MSMSD

Tot Ion:	113	Resp:	42103
Ion Ratio	Lower	Upper	
113	100		
55	163.3	117.5	157.5#
56	120.4	82.5	122.5

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#36

4-Chloro-3-methylphenol

Concen: 46.12 ng

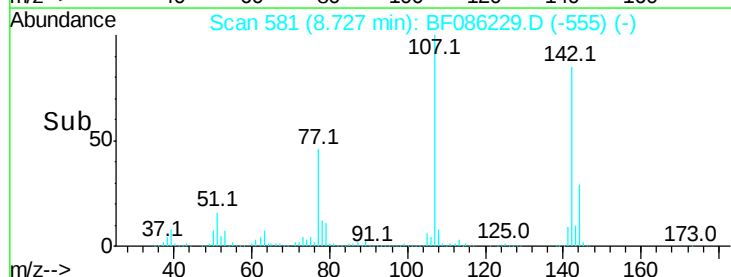
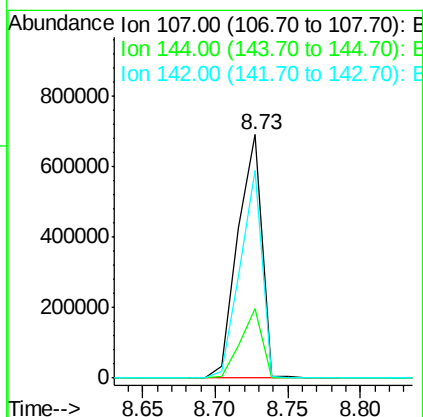
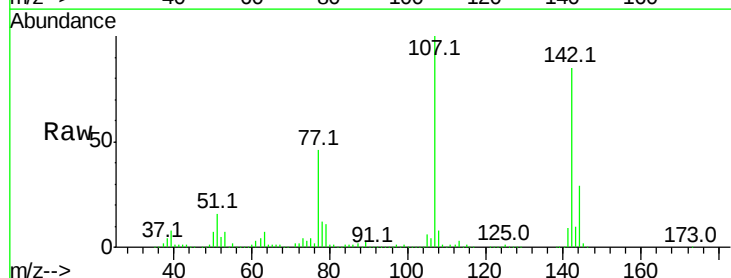
RT: 8.73 min Scan# 581

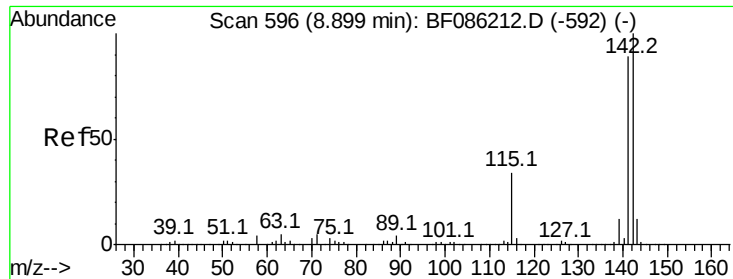
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	107	Resp:	798905
Ion Ratio	Lower	Upper	
107	100		
144	28.6	20.7	31.1
142	85.3	64.5	96.7





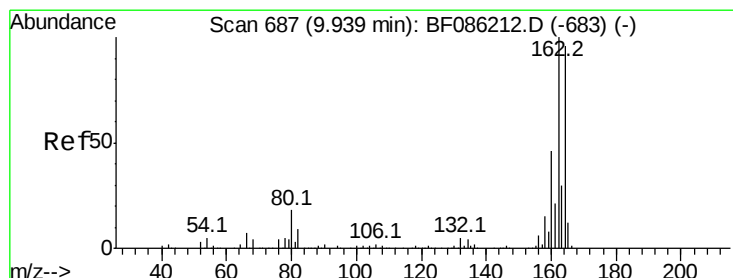
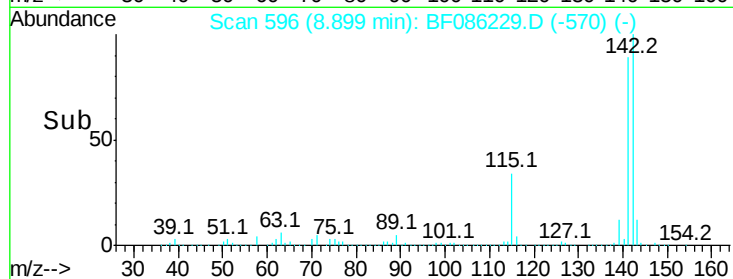
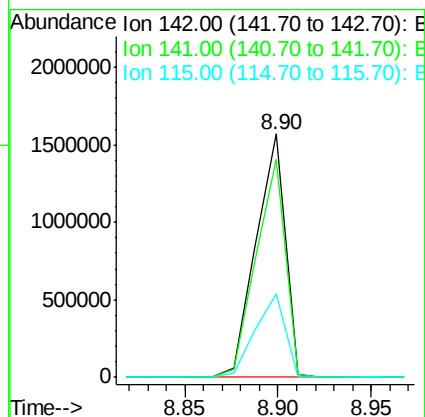
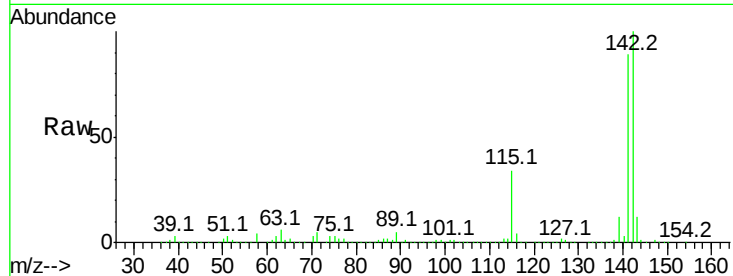
#37
2-Methylnaphthalene
Concen: 49.99 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7
115	34.3	25.1	37.7

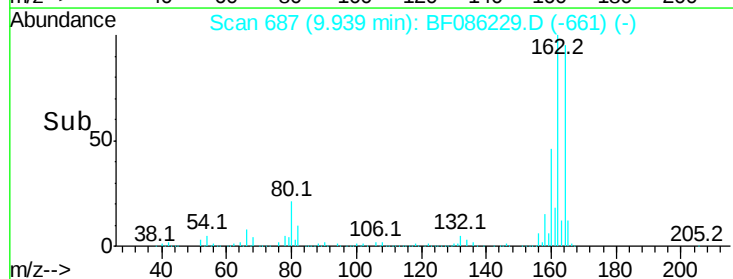
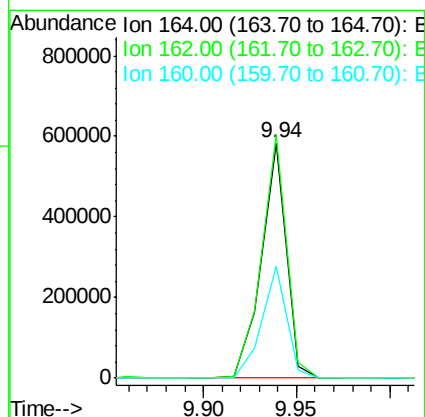
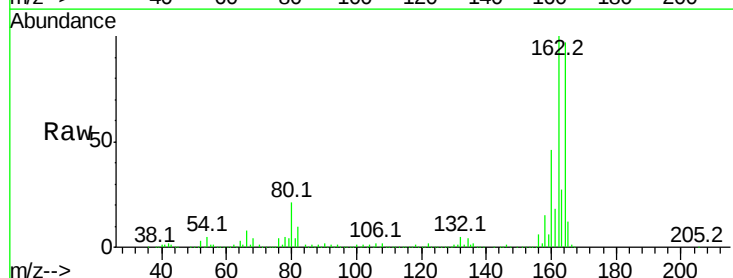
Manual Integrations
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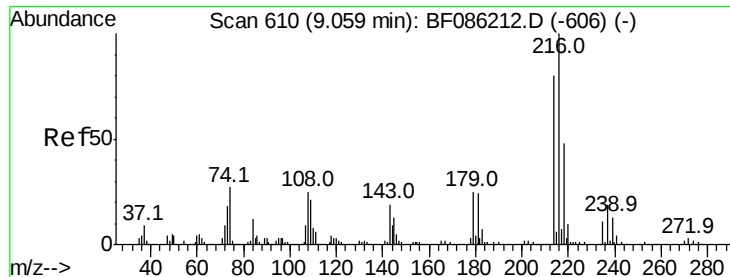
Sohil
4/18/2016 7:30:27 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.8	124.2
160	47.3	38.9	58.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.84 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

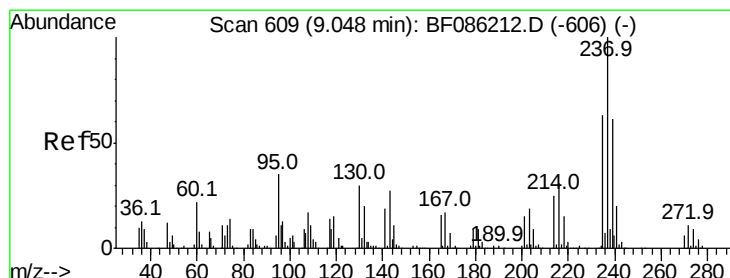
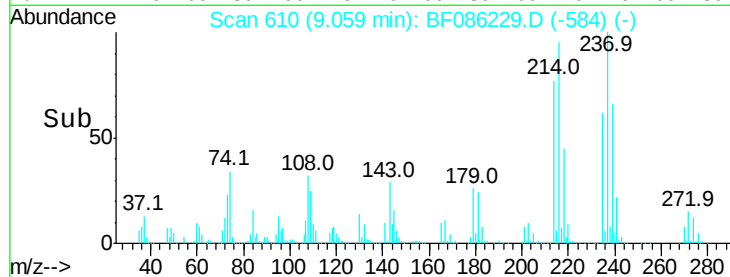
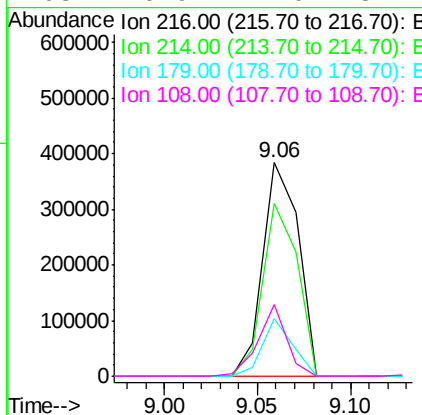
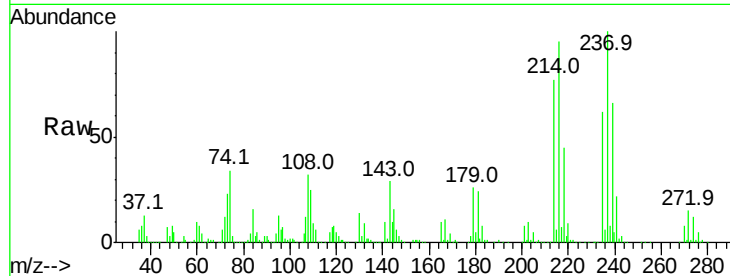
ClientSampleId :

H2402-04MSMSD

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Tot Ion	Ratio	Resp	Lower	Upper
216	100	507234		
214	79.0	64.9	97.3	
179	23.0	19.8	29.6	
108	26.9	21.0	31.4	



#40

Hexachlorocyclopentadiene

Concen: 92.56 ng

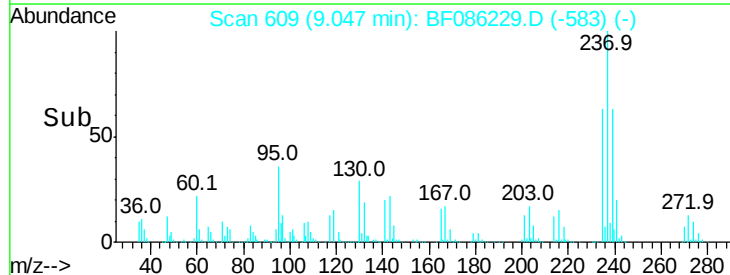
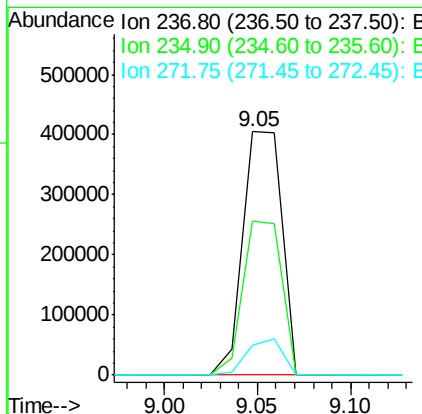
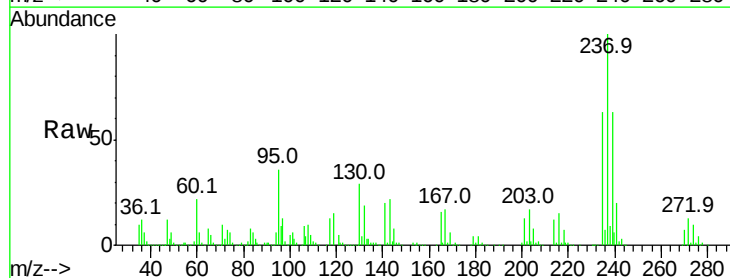
RT: 9.05 min Scan# 609

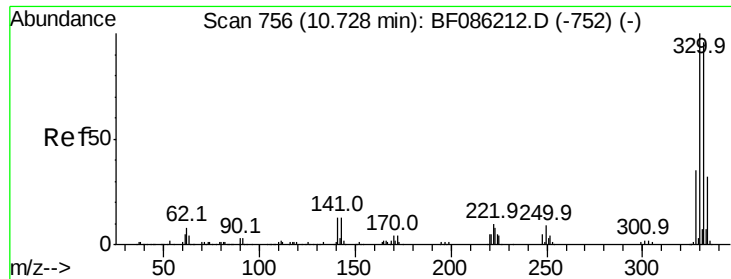
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	584100		
235	63.2	44.0	84.0	
272	12.5	0.0	32.4	





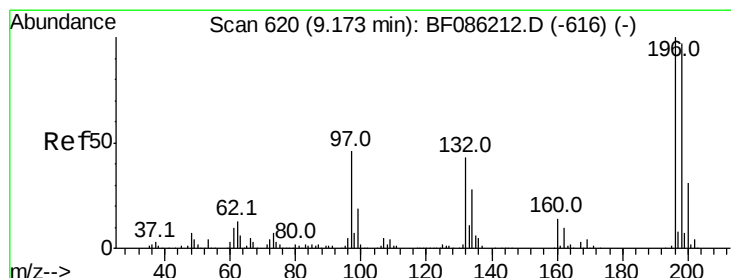
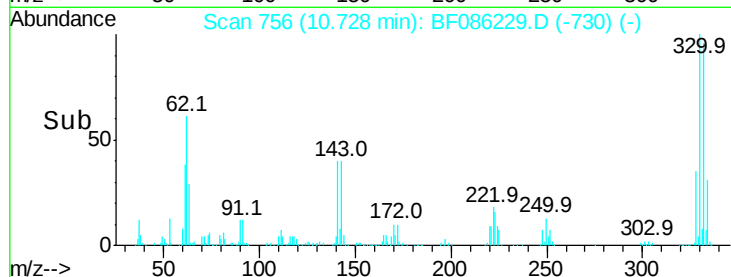
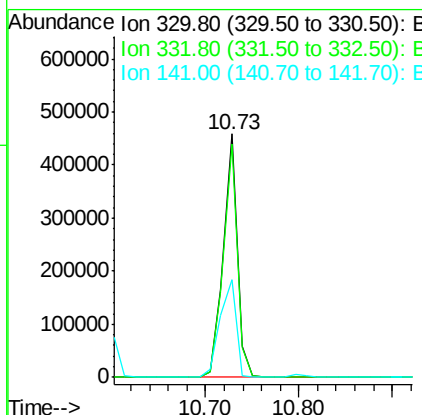
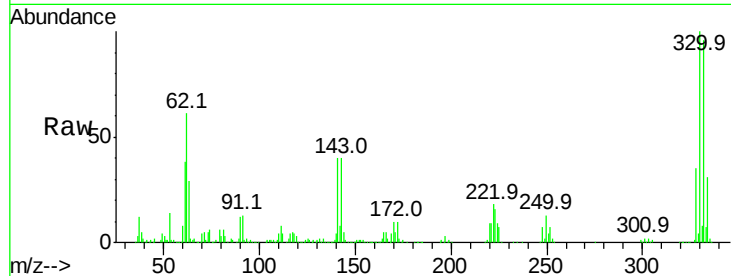
#41
 2,4,6-Tribromophenol
 Concen: 111.78 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	78.7	118.1	
141	45.8	28.6	42.8	

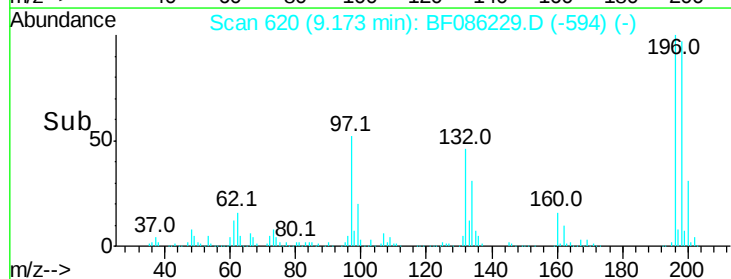
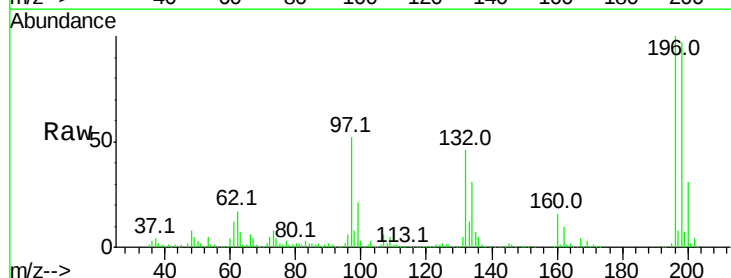
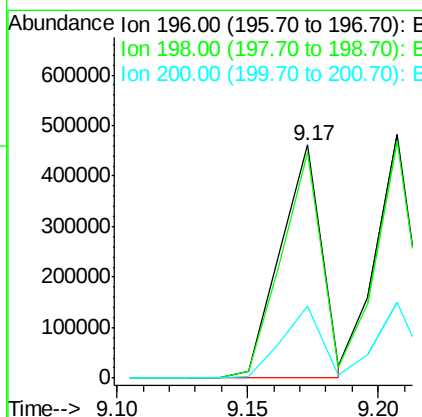
Manual Integrations
 APPROVED

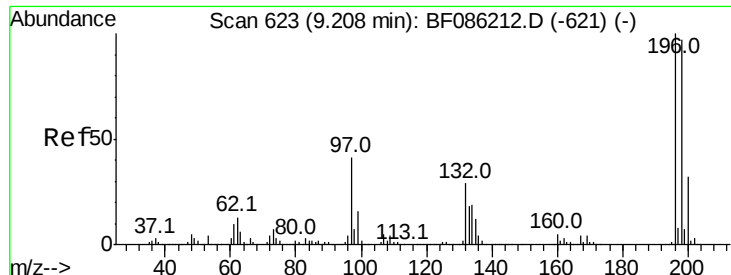
Sohil
 4/18/2016 7:30:27 PM



#42
 2,4,6-Trichlorophenol
 Concen: 48.01 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.7	76.6	115.0	
200	30.9	25.3	37.9	





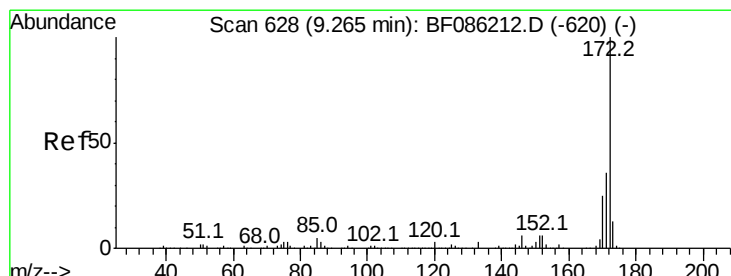
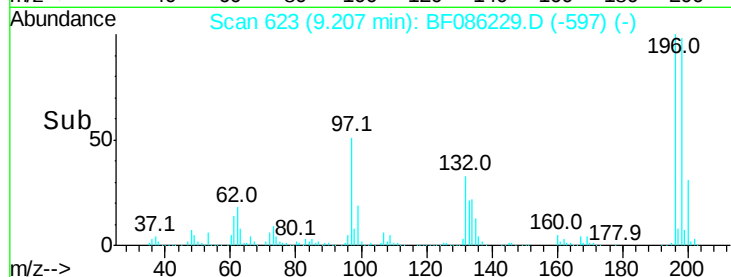
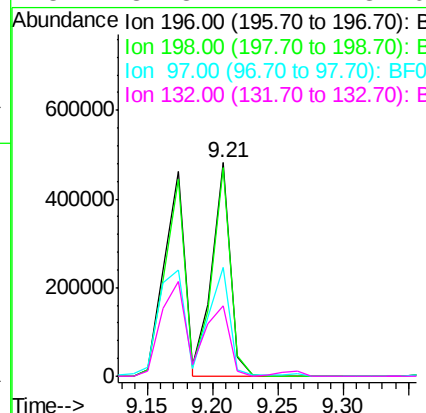
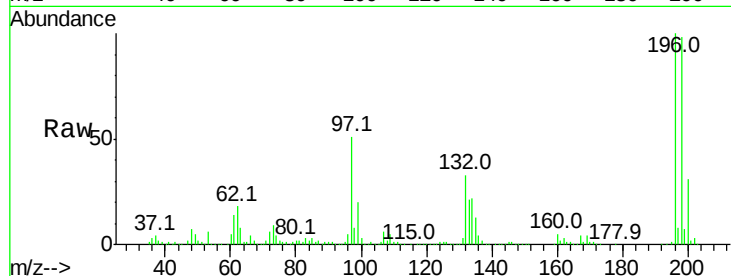
#43
 2,4,5-Trichlorophenol
 Concen: 46.62 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	474895		
198	97.7	77.7	116.5	
97	50.8	32.6	48.8	
132	32.8	21.4	32.0	

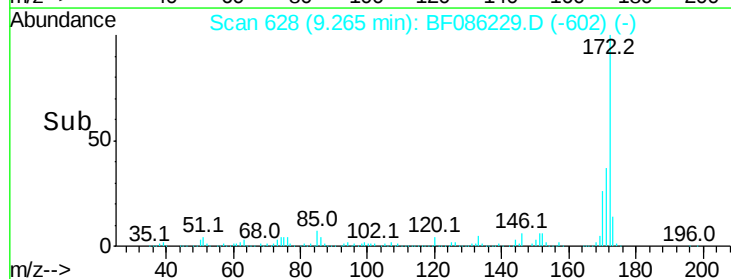
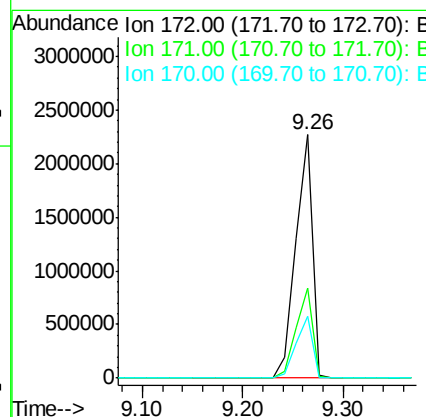
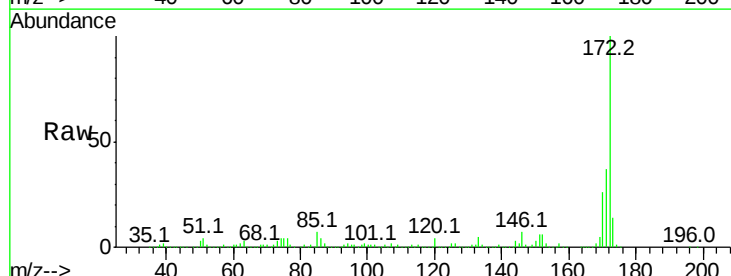
Manual Integrations
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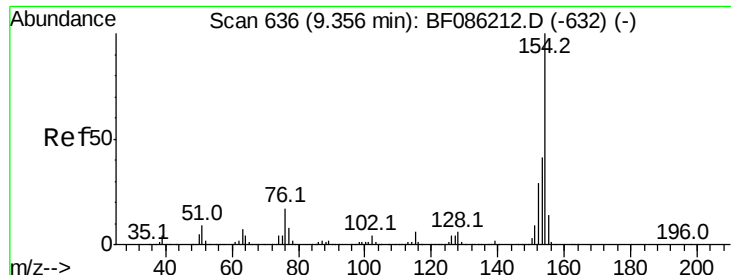
Sohil
 4/18/2016 7:30:27 PM



#44
 2-Fluorobiphenyl
 Concen: 89.88 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2607514		
171	37.1	29.1	43.7	
170	25.5	19.9	29.9	





#45

1,1'-Biphenyl

Concen: 48.03 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:154 Resp: 1850896

Ion Ratio Lower Upper

154 100

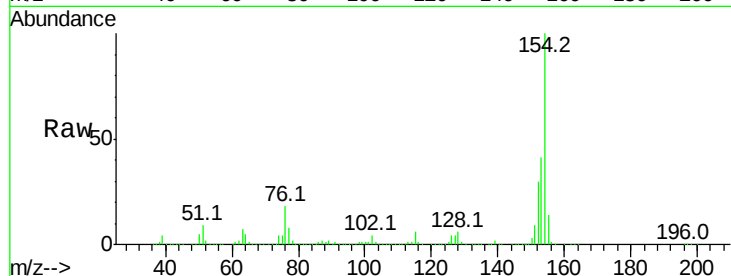
153 41.3 21.3 61.3

76 17.7 0.0 36.4

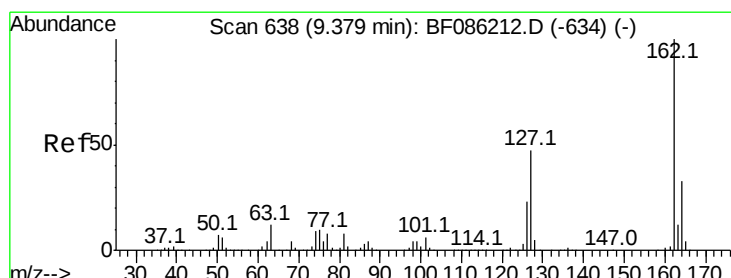
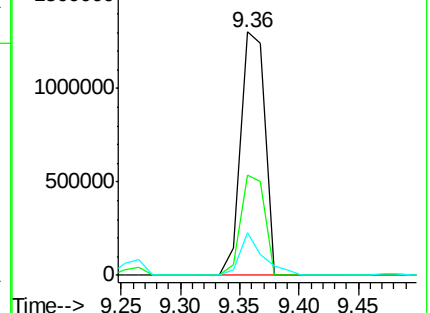
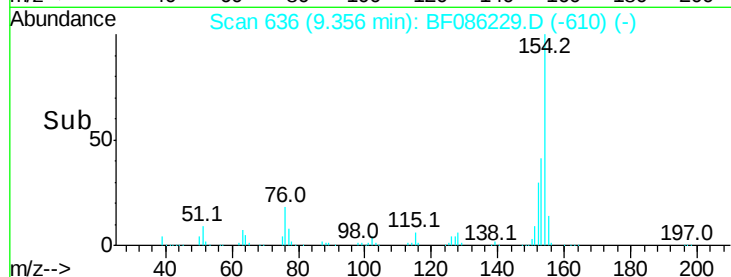
Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.38 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

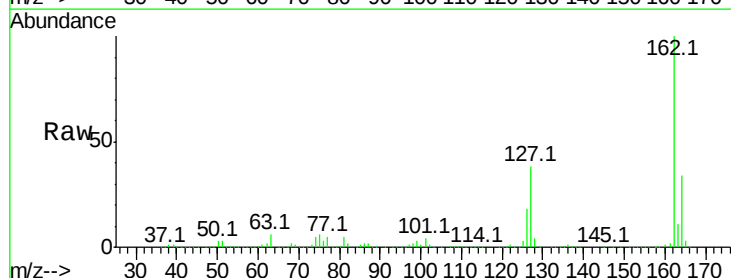
Tgt Ion:162 Resp: 1553621

Ion Ratio Lower Upper

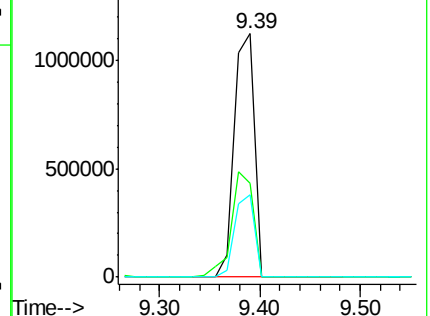
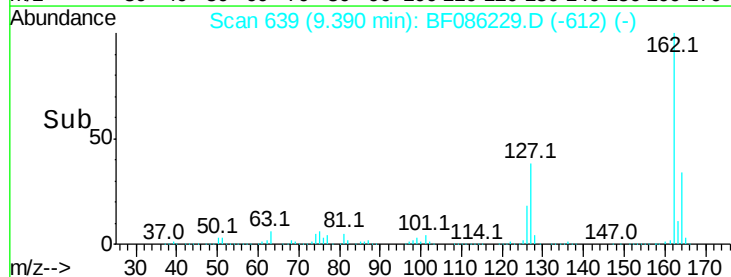
162 100

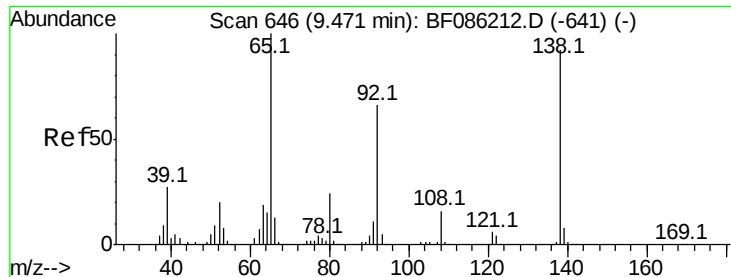
127 38.3 36.7 55.1

164 33.6 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





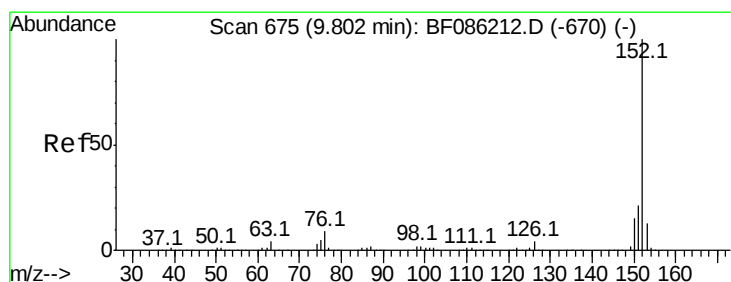
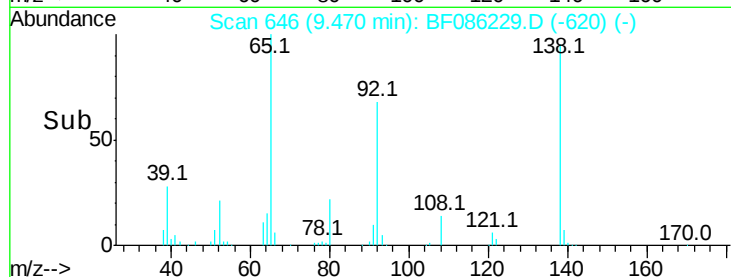
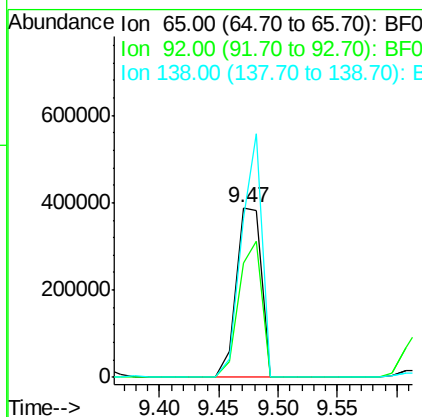
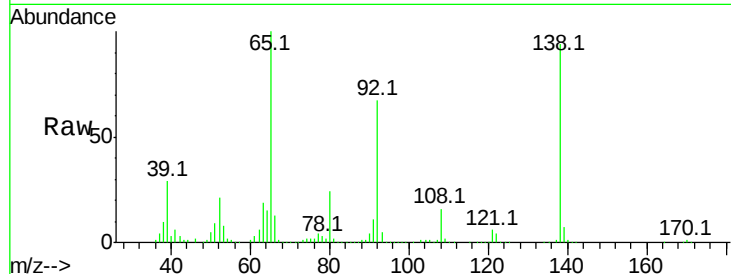
#47
2-Nitroaniline
Concen: 56.15 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.3	51.9	77.9
138	93.5	72.6	108.8

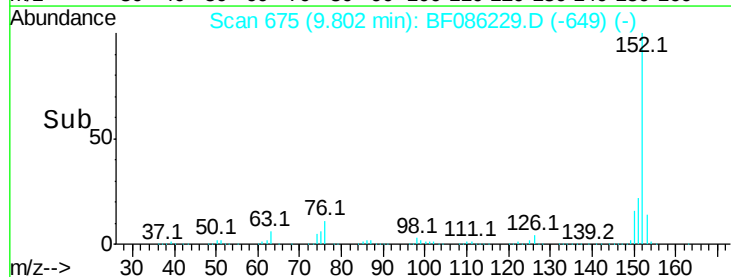
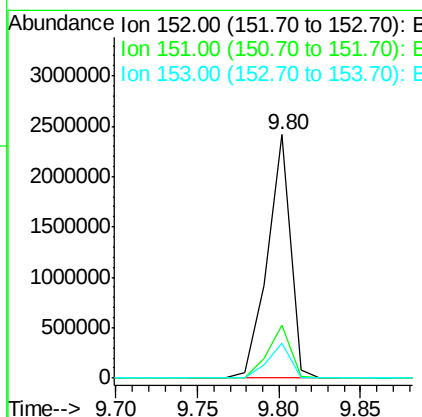
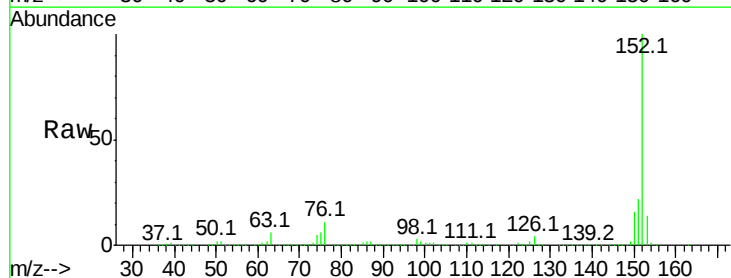
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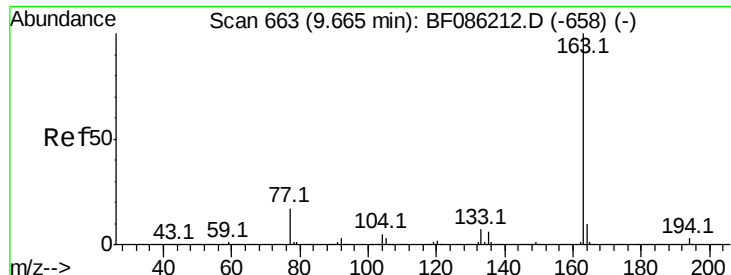
Sohil
4/18/2016 7:30:27 PM



#48
Acenaphthylene
Concen: 47.63 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.2	25.8
153	14.1	10.7	16.1





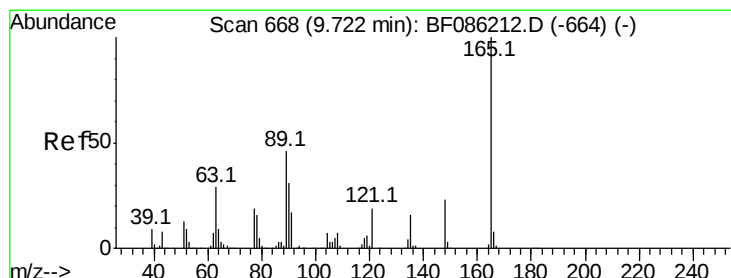
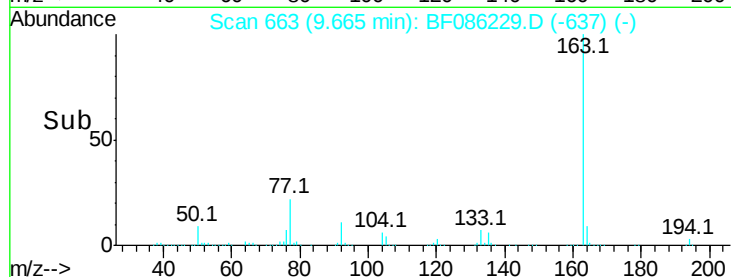
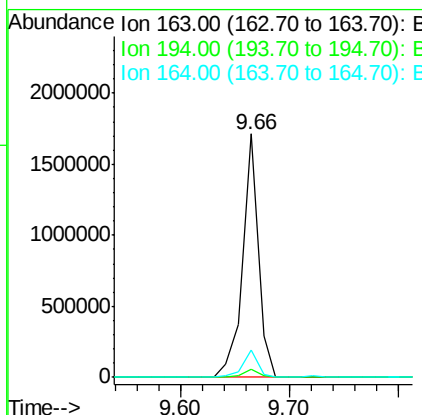
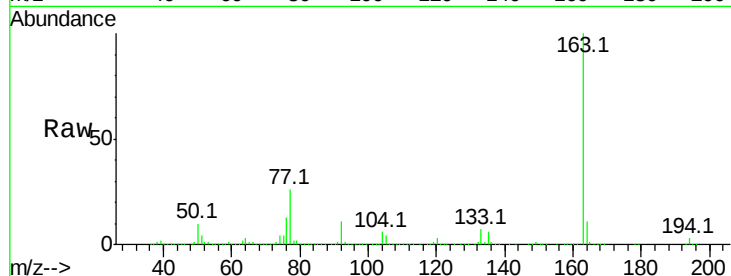
#49
Dimethylphthalate
Concen: 43.51 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion:163 Resp: 1693432
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 11.2 8.4 12.6

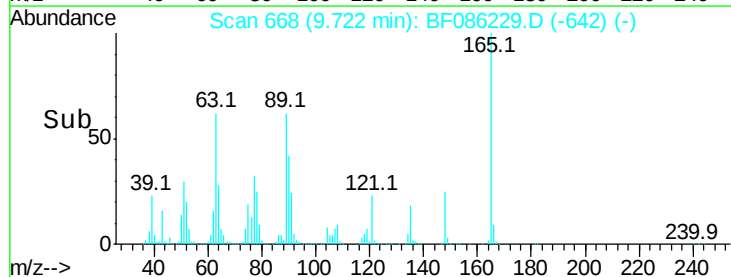
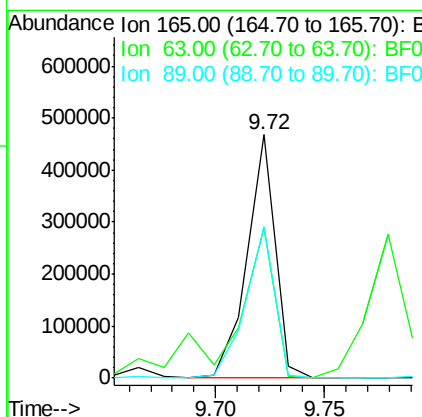
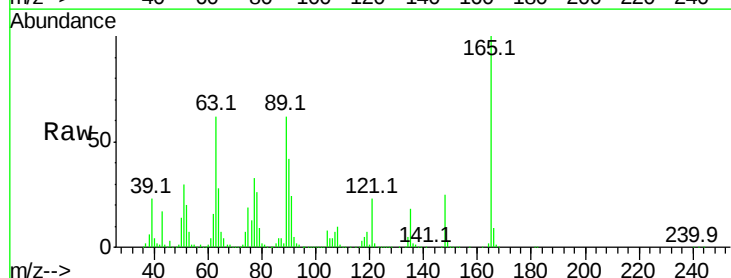
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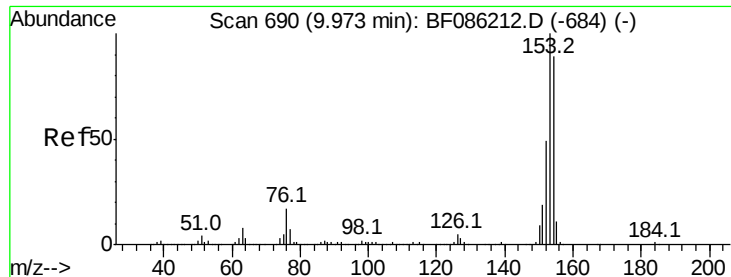
Sohil
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#50
2,6-Dinitrotoluene
Concen: 48.95 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:165 Resp: 421570
Ion Ratio Lower Upper
165 100
63 61.9 35.1 52.7#
89 62.5 39.8 59.6#





#51

Acenaphthene

Concen: 54.20 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:154 Resp: 1620894

Ion Ratio Lower Upper

154 100

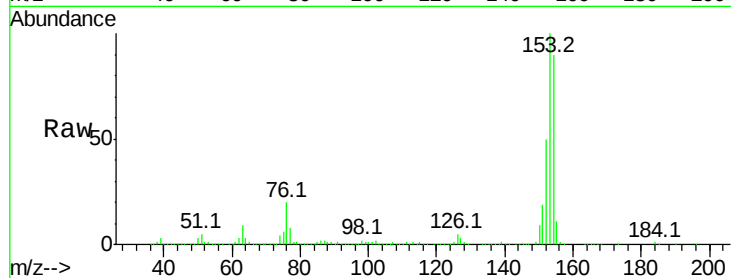
153 111.7 90.0 135.0

152 55.4 44.3 66.5

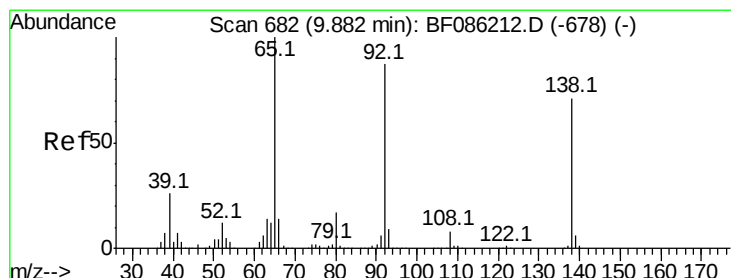
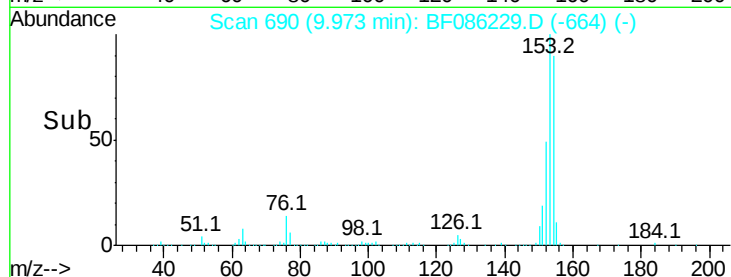
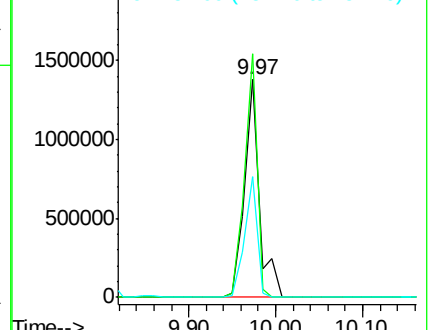
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.72 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

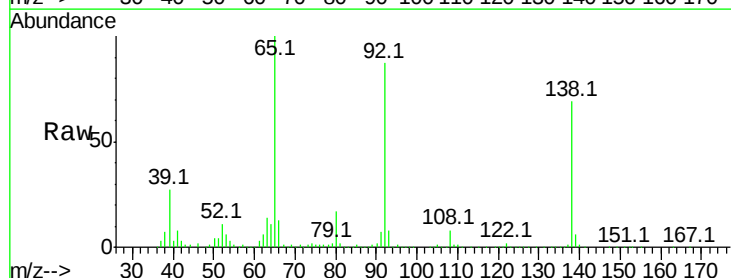
Tgt Ion:138 Resp: 311078

Ion Ratio Lower Upper

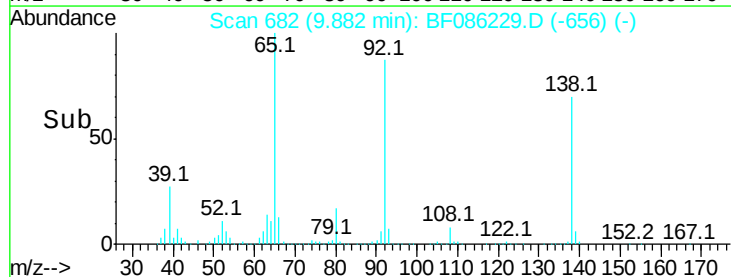
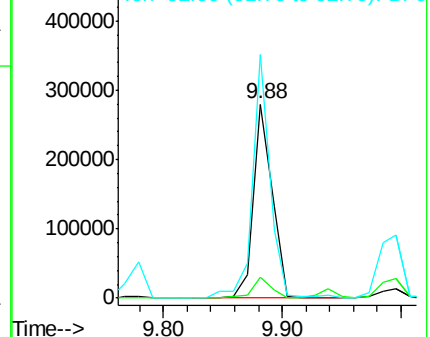
138 100

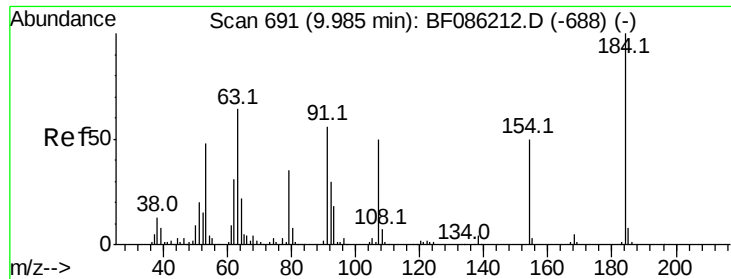
108 11.0 9.0 13.4

92 125.4 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





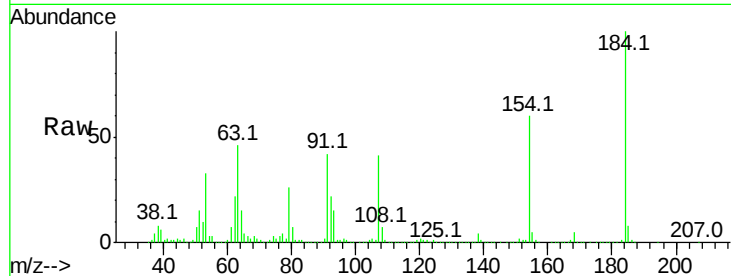
#53
2,4-Dinitrophenol
Concen: 133.58 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

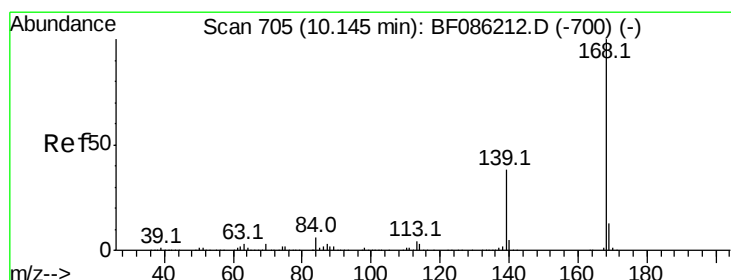
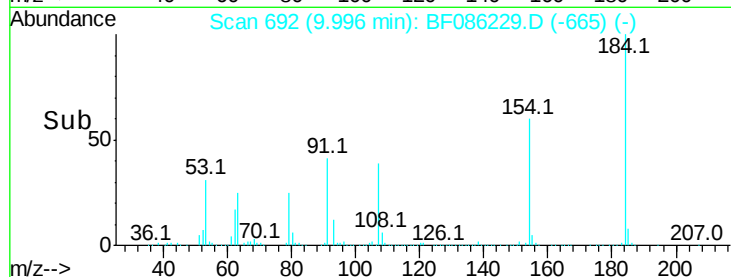
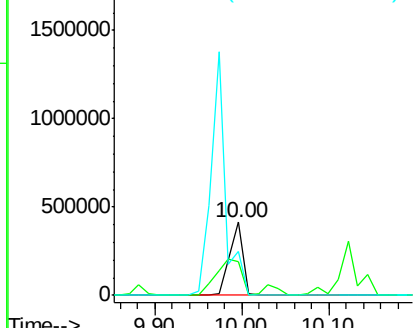
Tot Ion	Ratio	Resp	Lower	Upper
184	100	435642		
63	46.1	64.7	97.1#	
154	60.3	59.4	89.2	

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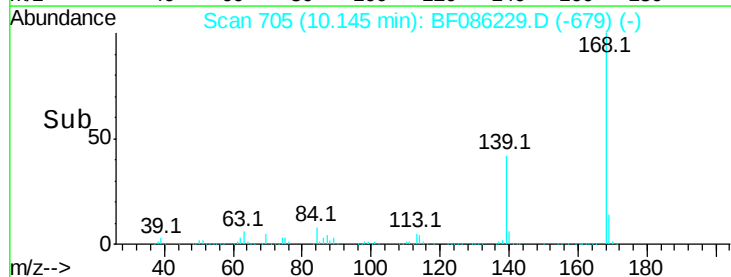
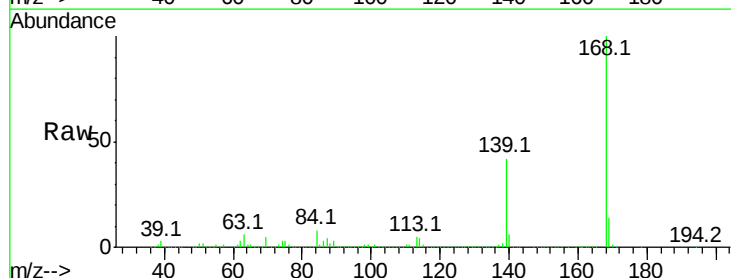
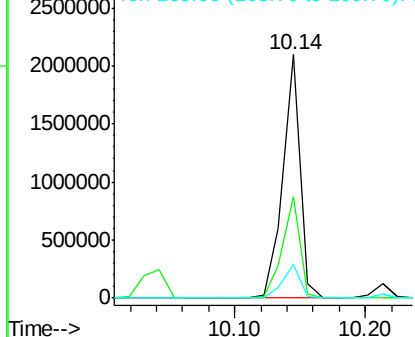
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

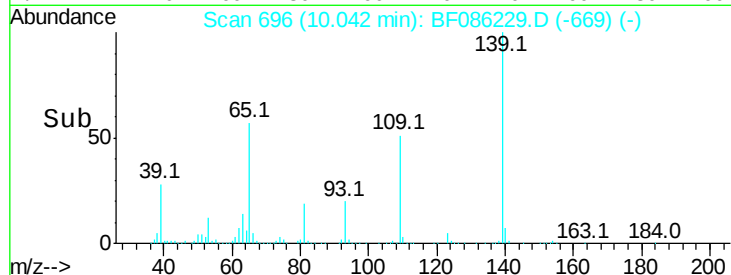
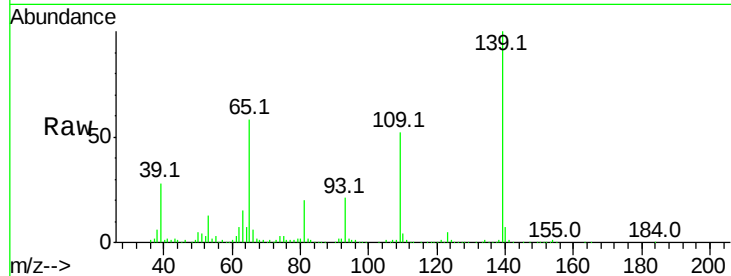
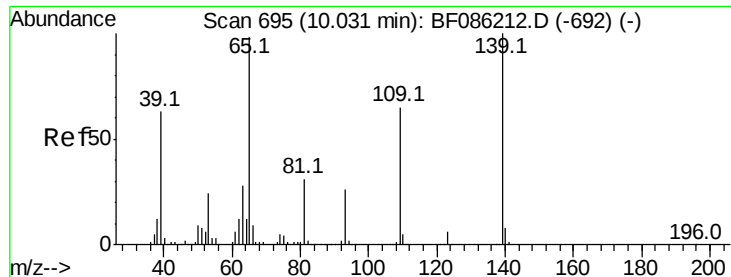


#54
Dibenzofuran
Concen: 49.41 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1951432		
139	41.9	29.5	44.3	
169	14.1	10.6	16.0	

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





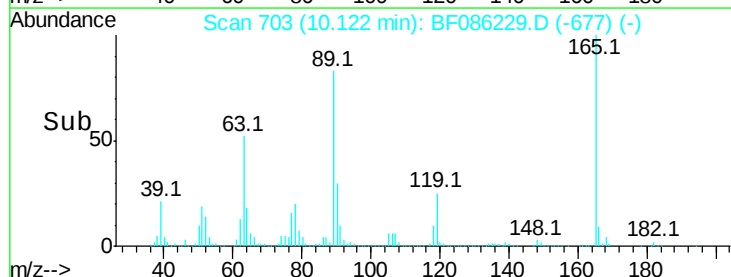
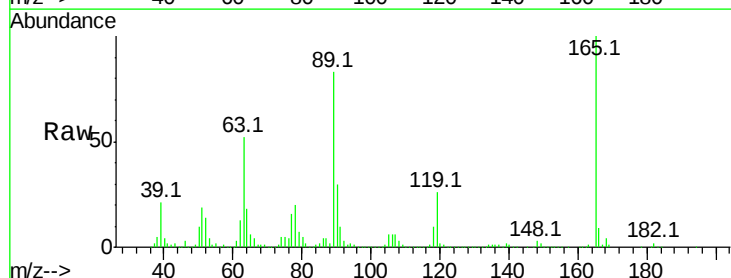
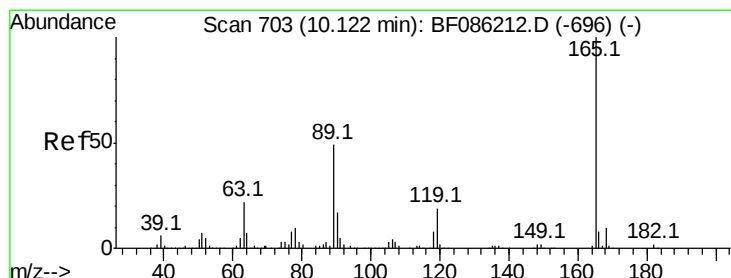
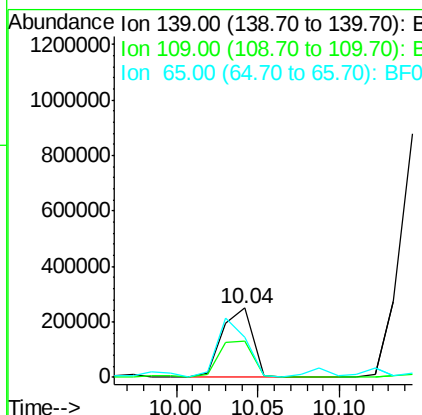
#55
4-Nitrophenol
Concen: 38.46 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	51.6	55.0	95.0#	
65	57.6	87.3	127.3#	

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

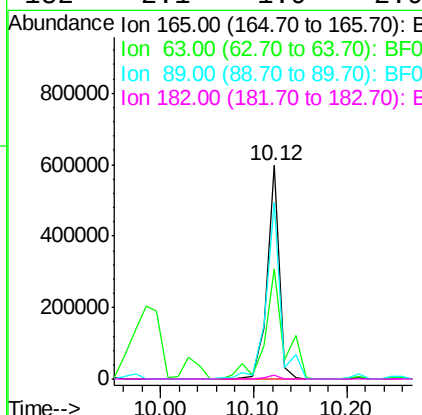
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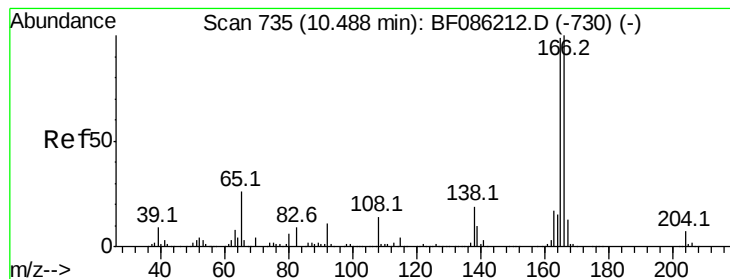
Sohil
4/18/2016 7:30:27 PM



#56
2,4-Dinitrotoluene
Concen: 49.16 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.6	26.6	40.0#	
89	82.9	49.5	74.3#	
182	2.1	1.9	2.9	





#57

Fluorene

Concen: 51.48 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

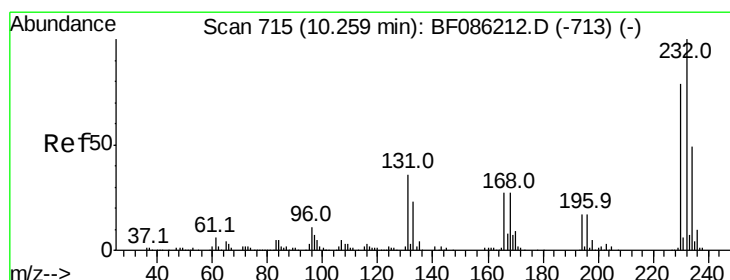
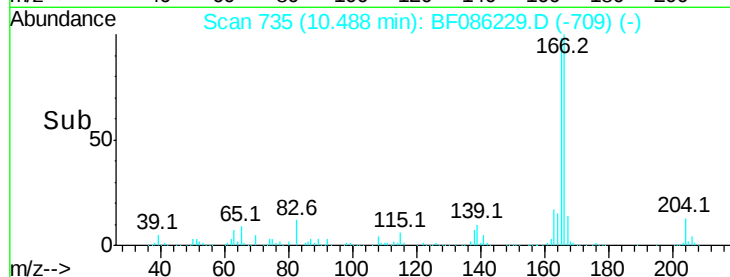
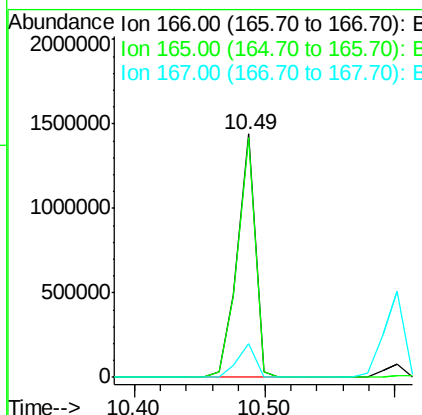
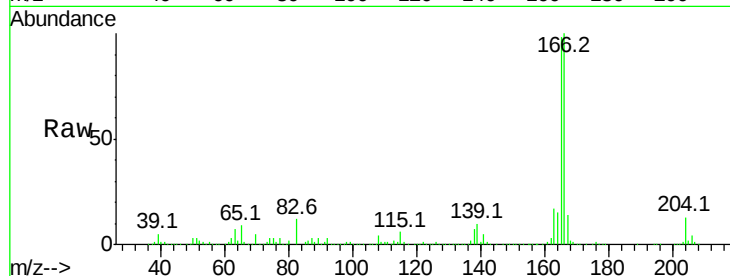
H2402-04MSMSD

Manual Integrations
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4/18/2016 7:30:27 PM

Tot Ion:166	Resp: 1374819
Ion Ratio	Lower Upper
166 100	
165 98.4	78.6 117.8
167 13.6	10.4 15.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.26 ng

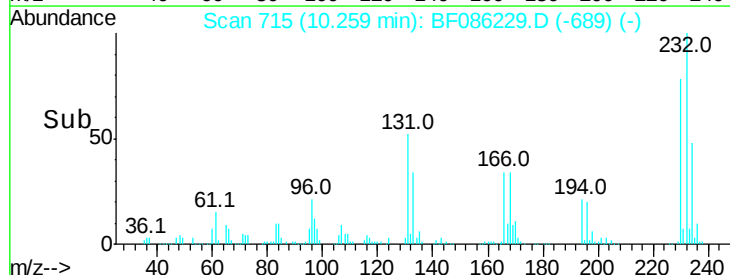
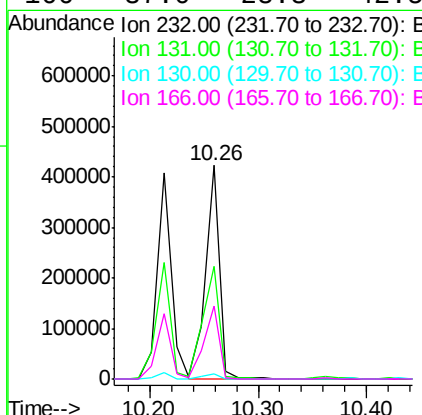
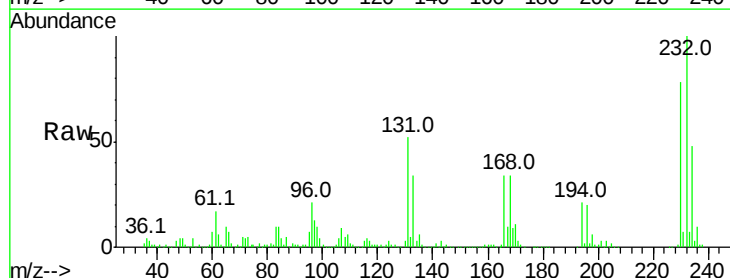
RT: 10.26 min Scan# 715

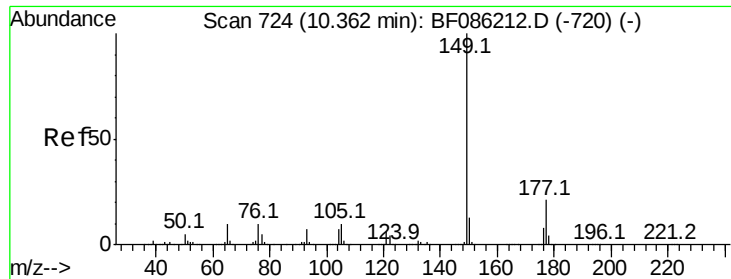
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:232	Resp: 379257
Ion Ratio	Lower Upper
232 100	
131 60.1	46.6 70.0
130 3.3	2.5 3.7
166 37.0	28.3 42.5





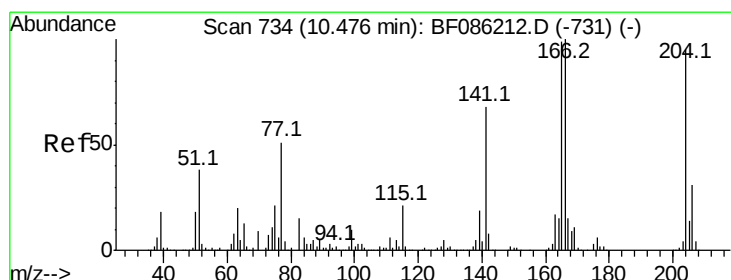
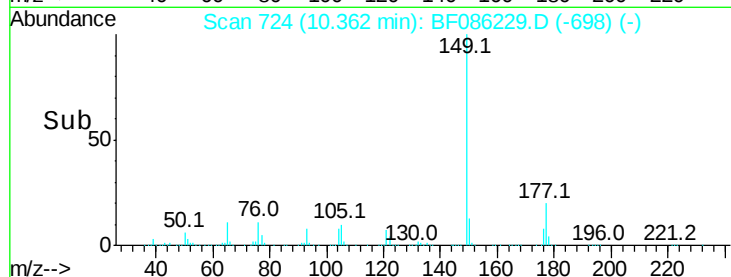
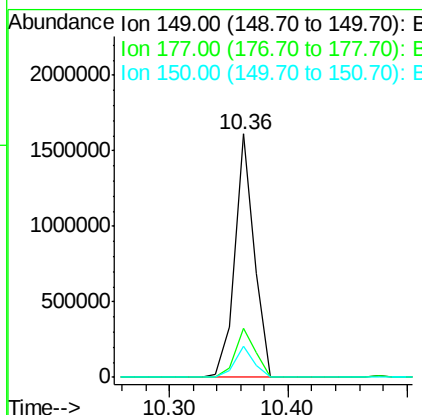
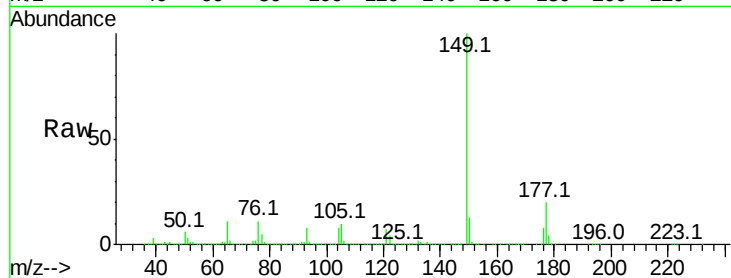
#59
Diethylphthalate
Concen: 45.37 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.2	17.0	25.6
150	13.0	10.2	15.4

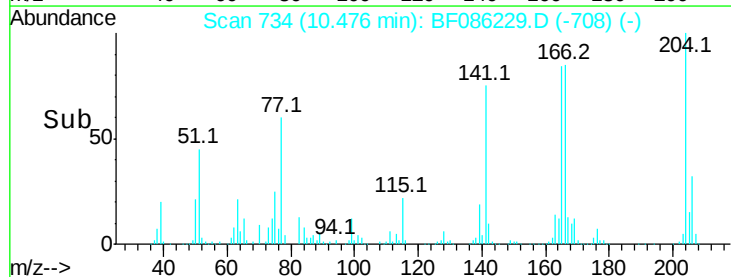
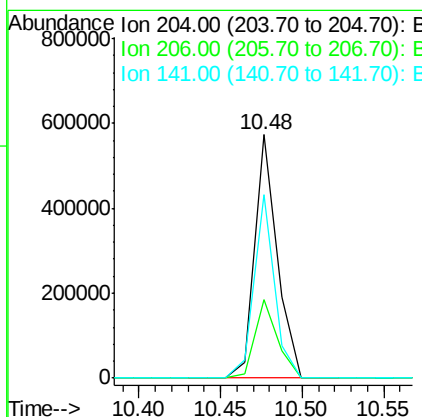
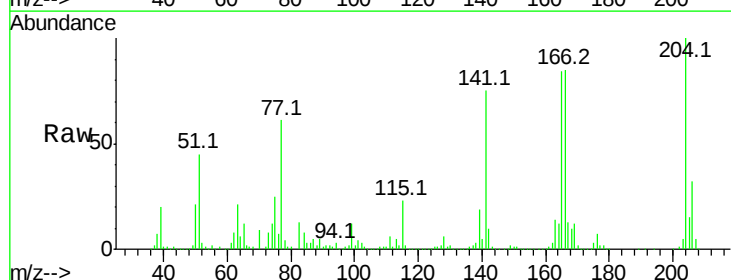
Manual Integrations
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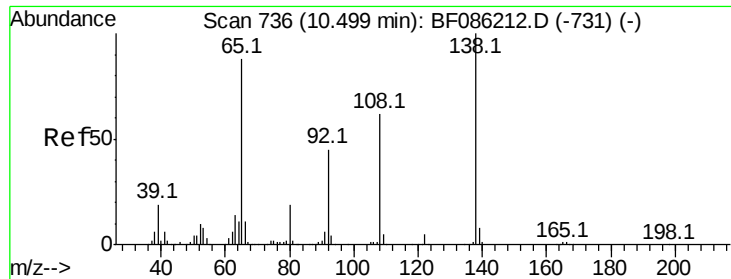
Sohil
4/18/2016 7:30:27 PM



#60
4-Chlorophenyl-phenylether
Concen: 50.12 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.2
141	75.4	55.4	83.0





#61

4-Nitroaniline

Concen: 43.65 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

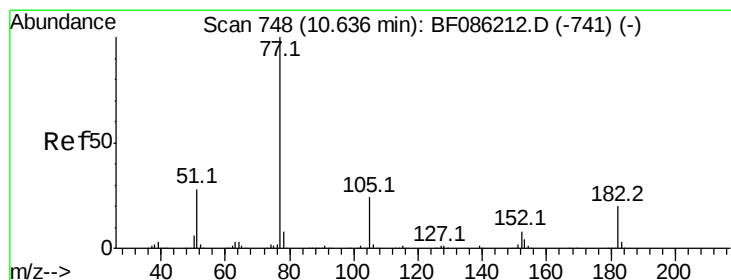
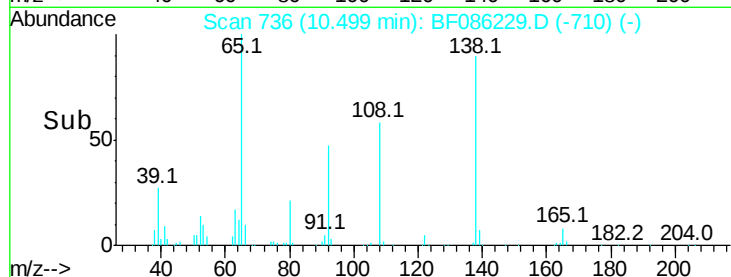
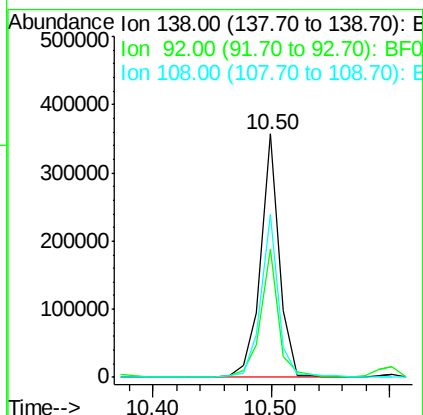
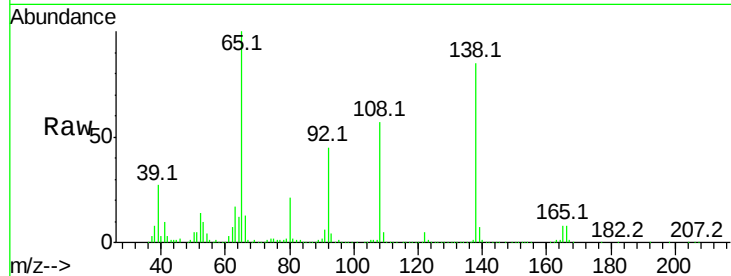
ClientSampleId :

H2402-04MSMSD

Tot Ion:	138	Resp:	394796
Ion Ratio	Lower	Upper	
138	100		
92	52.6	31.9	71.9
108	67.0	58.7	98.7

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#62

Azobenzene

Concen: 50.94 ng

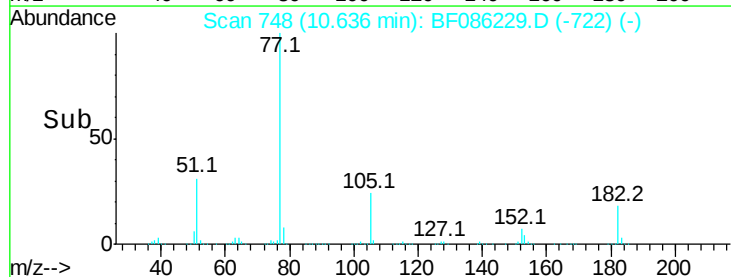
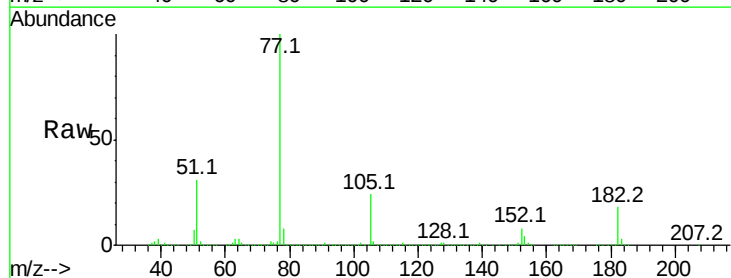
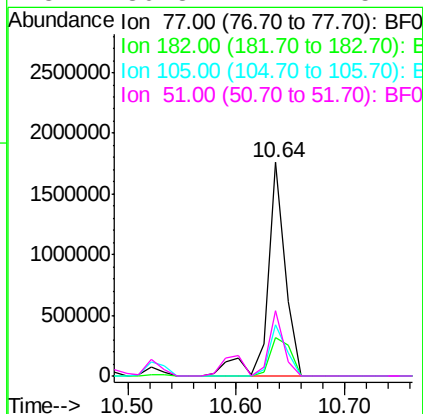
RT: 10.64 min Scan# 748

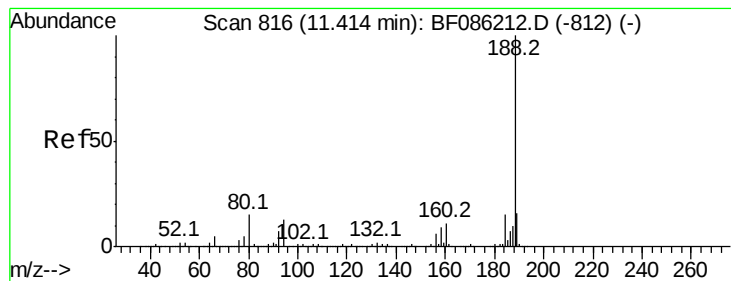
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	77	Resp:	2002197
Ion Ratio	Lower	Upper	
77	100		
182	17.9	2.3	42.3
105	24.1	3.4	43.4
51	30.8	11.7	51.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:188 Resp: 933251
Ion Ratio Lower Upper

188 100

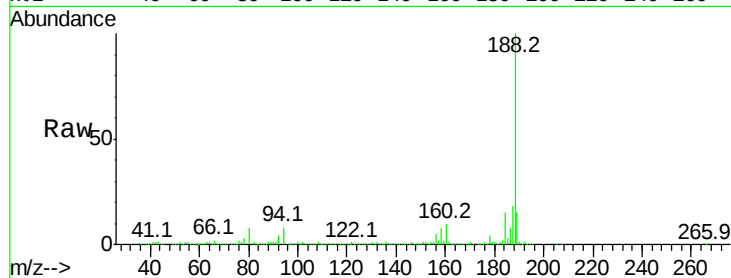
94 8.0 9.8 14.8#

80 8.3 10.5 15.7#

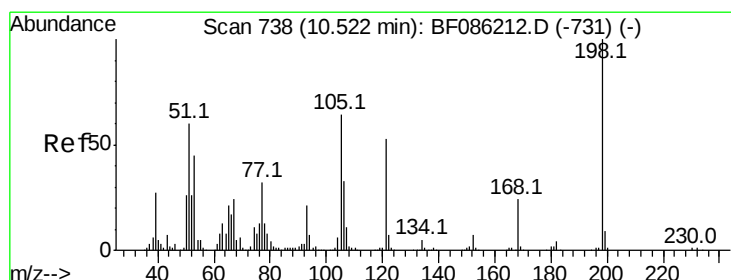
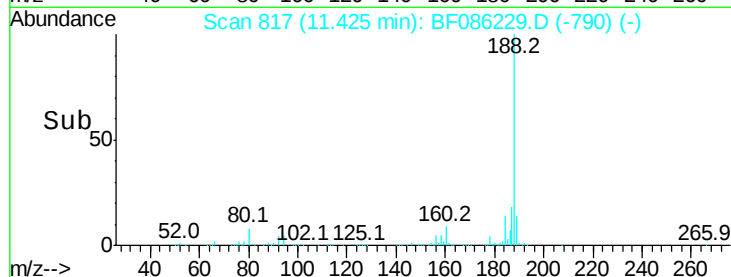
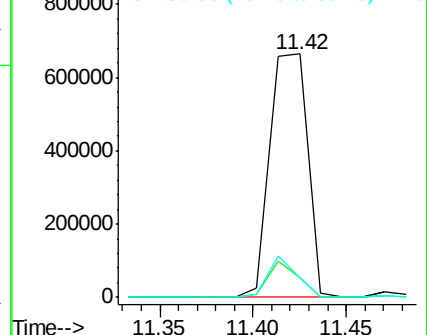
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 64.51 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF086229.D

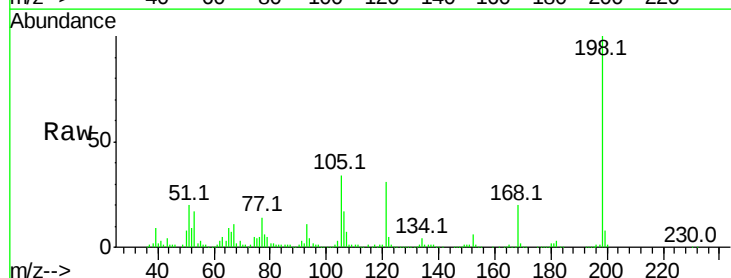
Acq: 15 Apr 2016 21:13

Tgt Ion:198 Resp: 286527
Ion Ratio Lower Upper

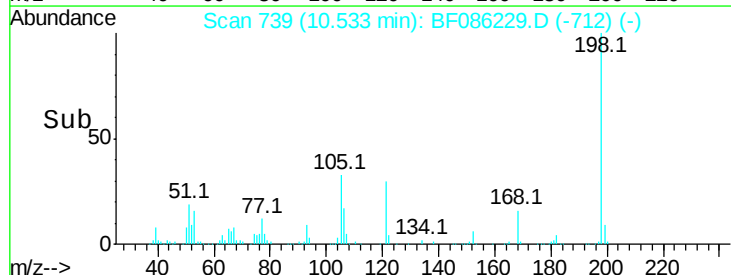
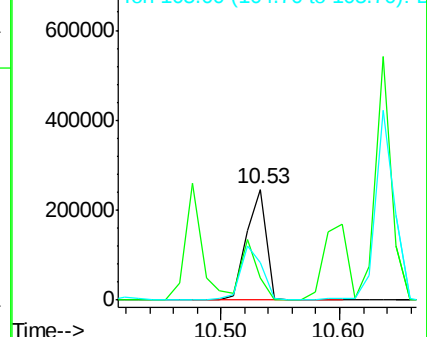
198 100

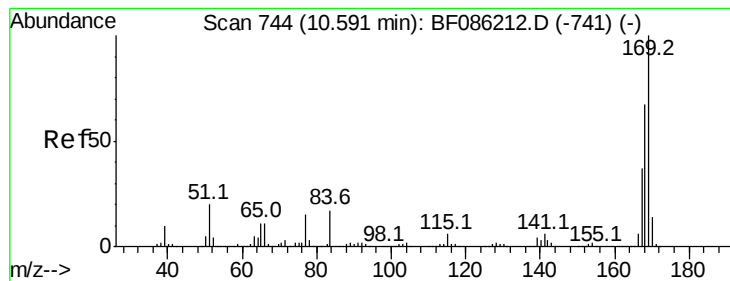
51 19.7 56.5 96.5#

105 34.1 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





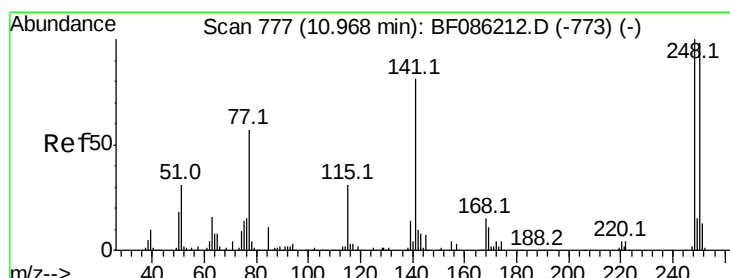
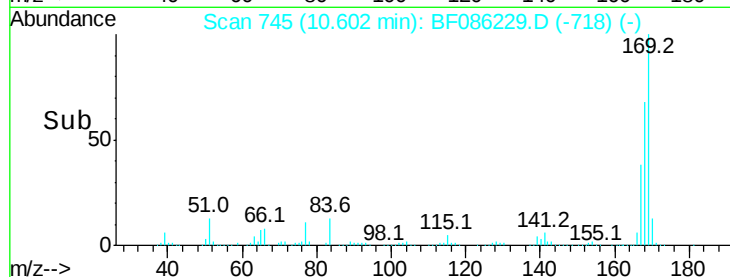
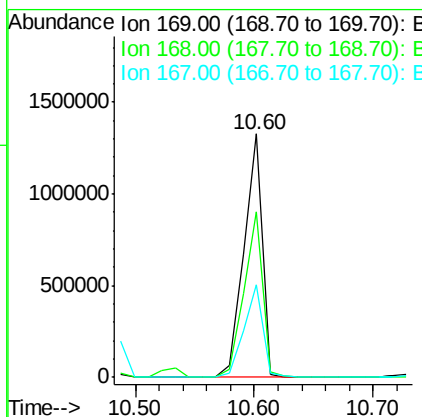
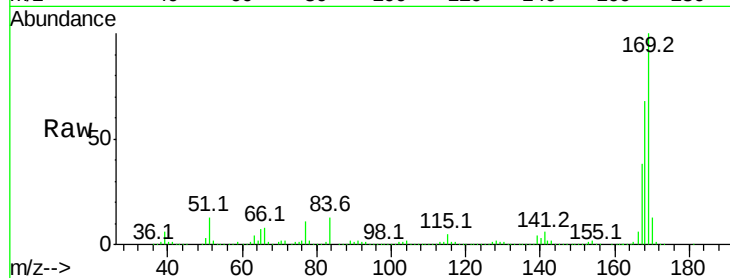
#65
n-Nitrosodiphenylamine
Concen: 50.16 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.1	54.3	81.5
167	38.3	30.2	45.2

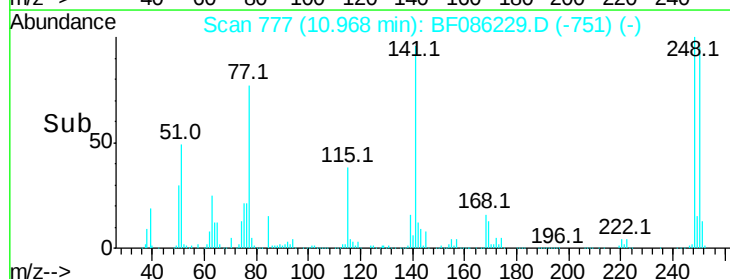
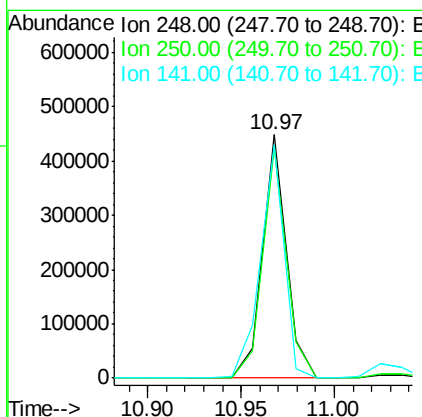
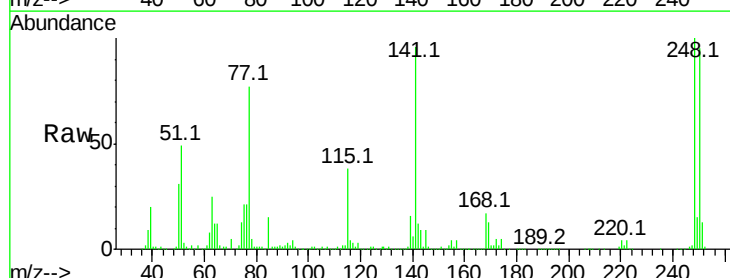
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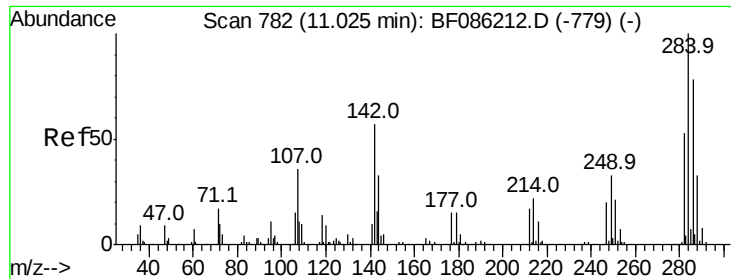
Sohil
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#66
4-Bromophenyl-phenylether
Concen: 45.22 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.9	78.6	118.0
141	96.1	57.9	86.9#





#67

Hexachlorobenzene

Concen: 50.85 ng

RT: 11.04 min Scan# 783

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

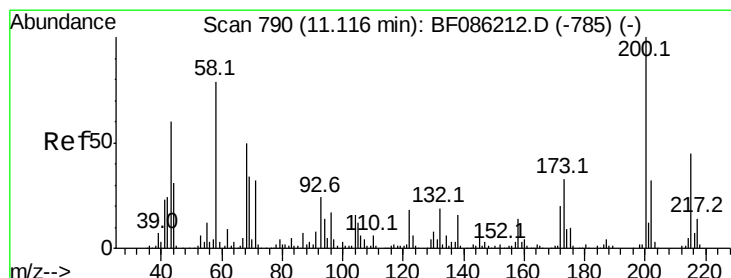
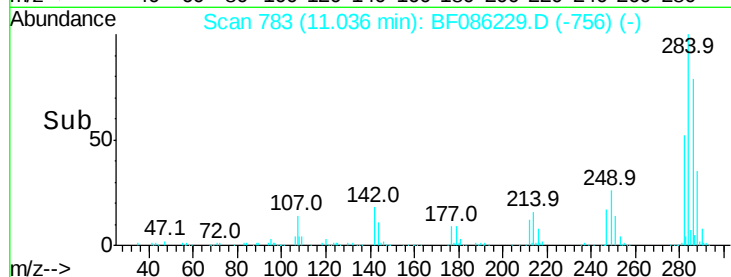
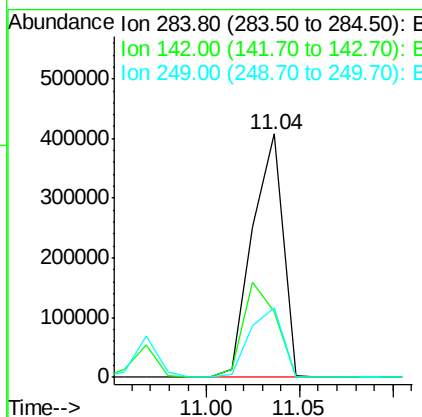
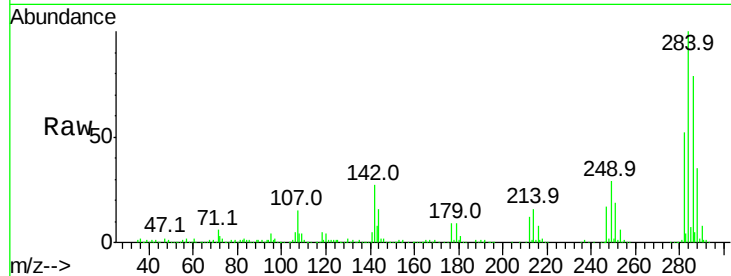
ClientSampleId :

H2402-04MSMSD

Tot Ion:	284	Resp:	463454
Ion Ratio	Lower	Upper	
284	100		
142	27.1	42.6	64.0#
249	28.5	25.9	38.9

Manual Integrations
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#68

Atrazine

Concen: 42.57 ng

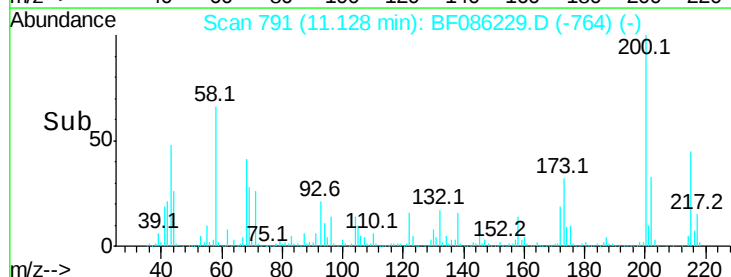
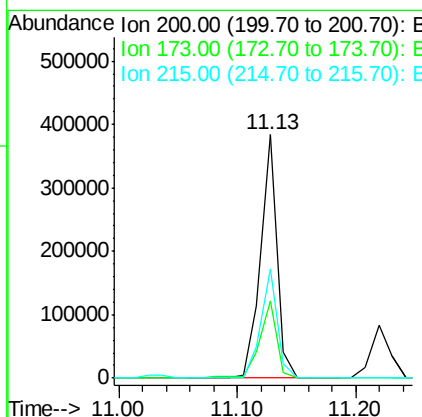
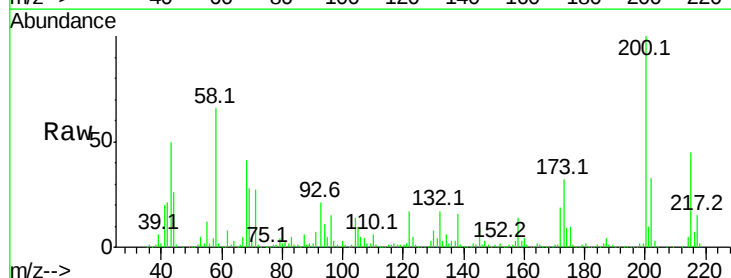
RT: 11.13 min Scan# 791

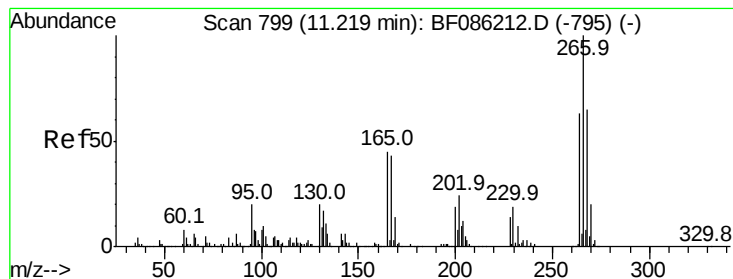
Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	200	Resp:	372875
Ion Ratio	Lower	Upper	
200	100		
173	31.6	11.2	51.2
215	44.8	24.0	64.0





#69

Pentachlorophenol

Concen: 87.53 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

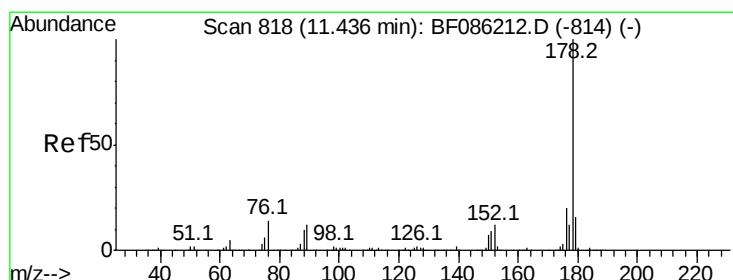
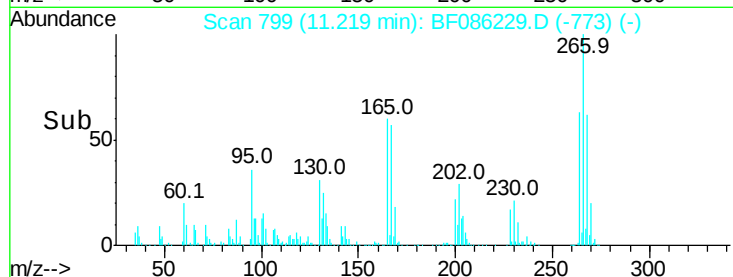
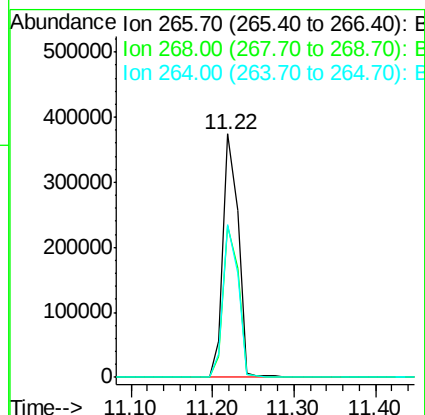
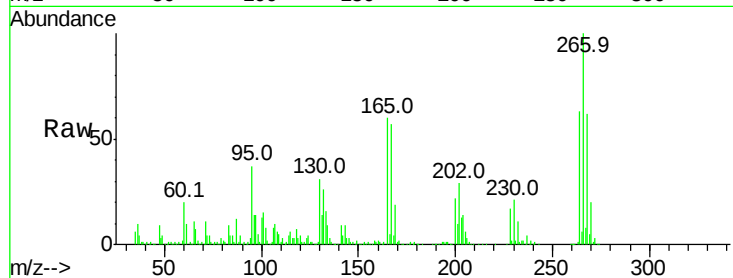
ClientSampleId :

H2402-04MSMSD

Tot Ion:	266	Resp:	483770
Ion Ratio		Lower	Upper
266	100		
268	62.0	53.0	79.4
264	62.8	51.3	76.9

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#70

Phenanthrene

Concen: 49.45 ng

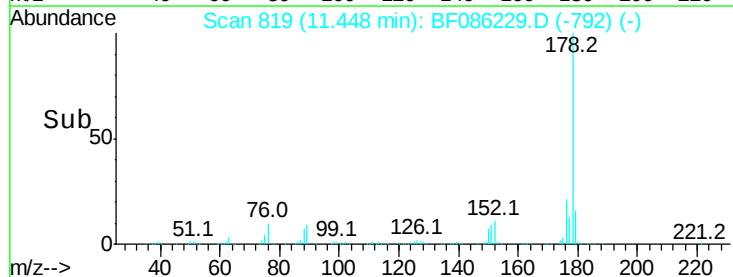
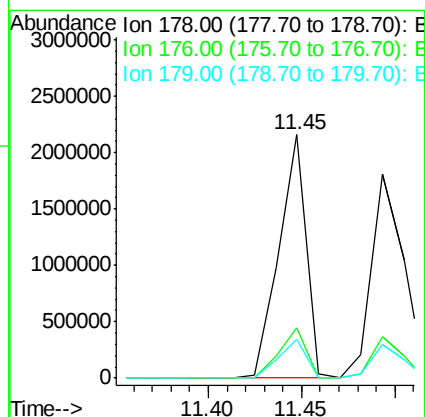
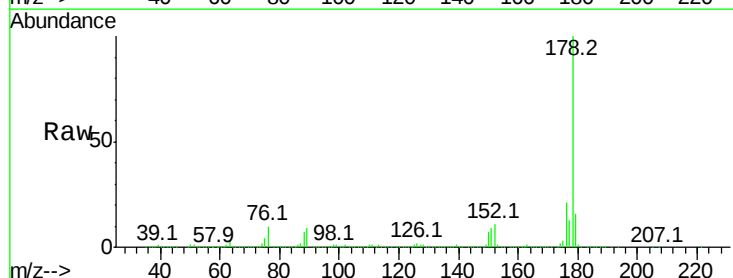
RT: 11.45 min Scan# 819

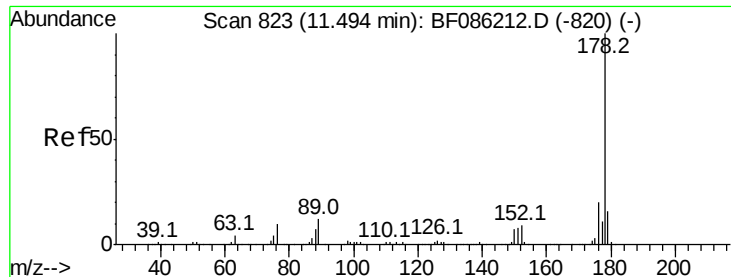
Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	178	Resp:	2204061
Ion Ratio		Lower	Upper
178	100		
176	20.7	16.3	24.5
179	15.9	13.0	19.6





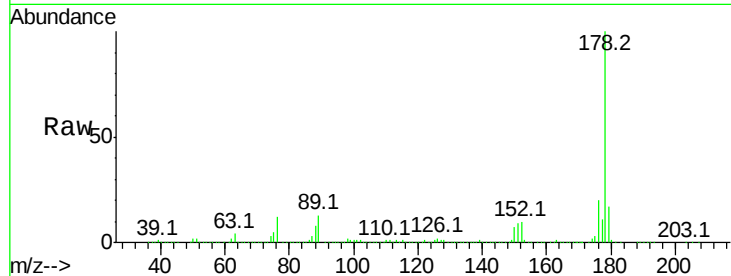
#71
 Anthracene
 Concen: 56.14 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	16.6	13.2	19.8

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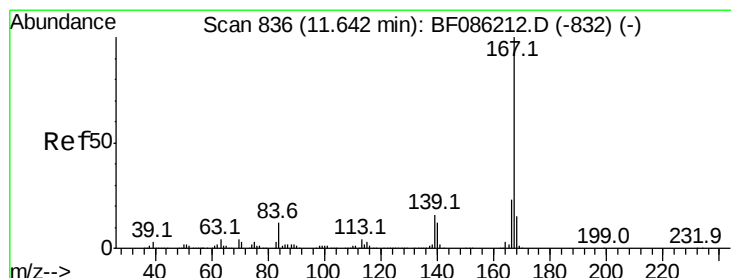
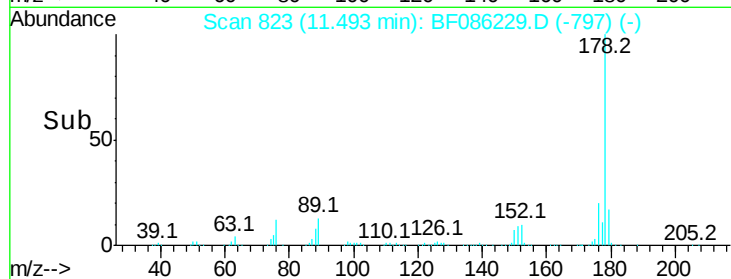
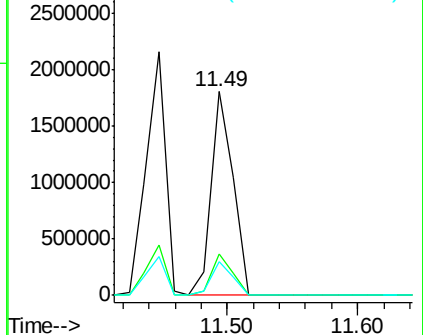


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 51.84 ng
 RT: 11.65 min Scan# 837
 Delta R.T. 0.01 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

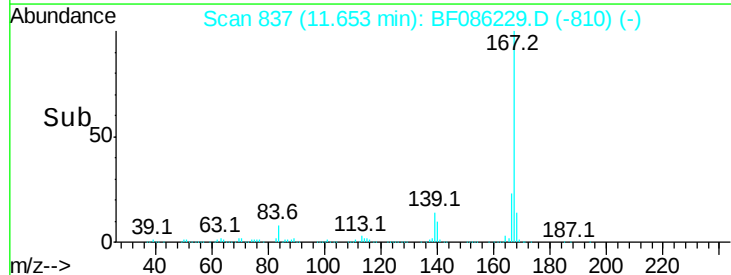
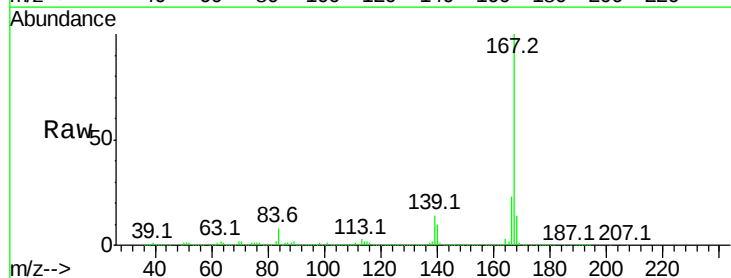
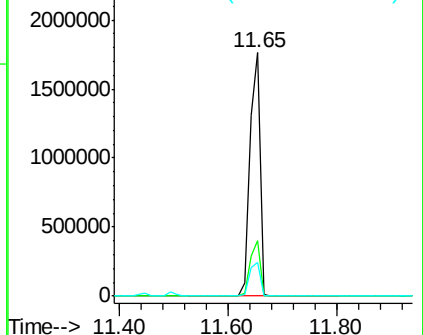
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	13.7	12.3	18.5

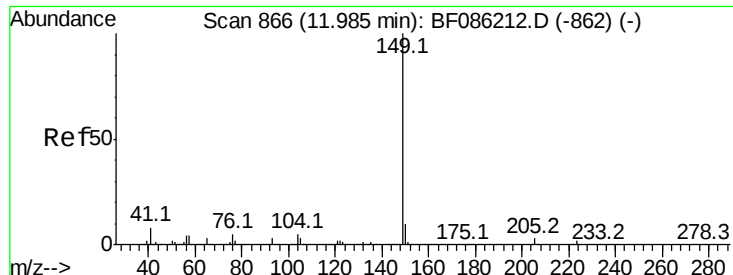
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.17 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:149 Resp: 2417133

Ion Ratio Lower Upper

149 100

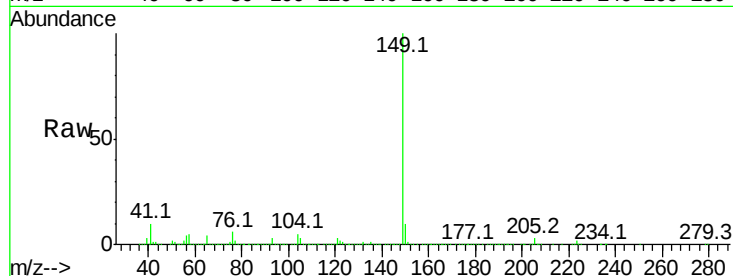
150 10.1 7.8 11.8

104 5.5 4.1 6.1

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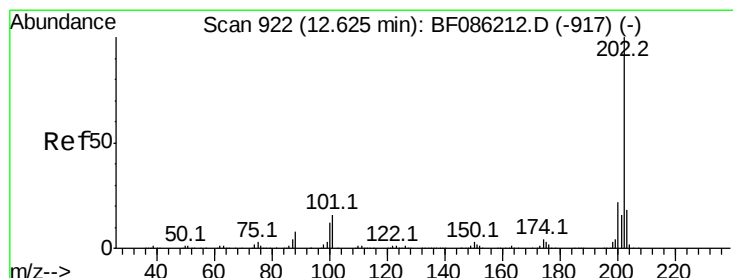
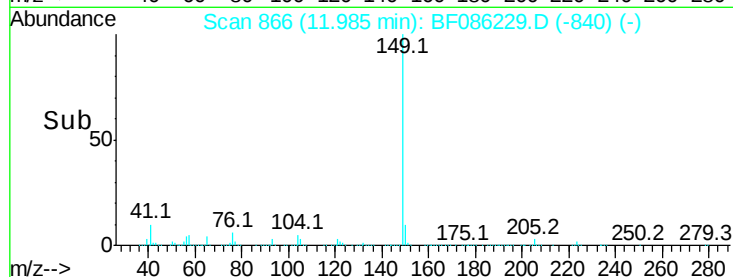
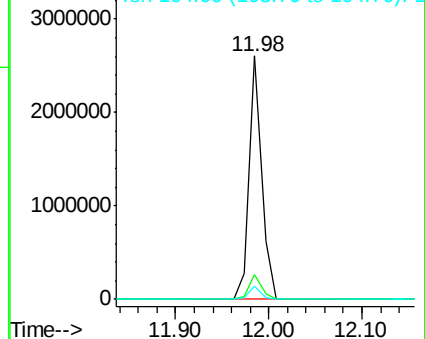
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 54.00 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

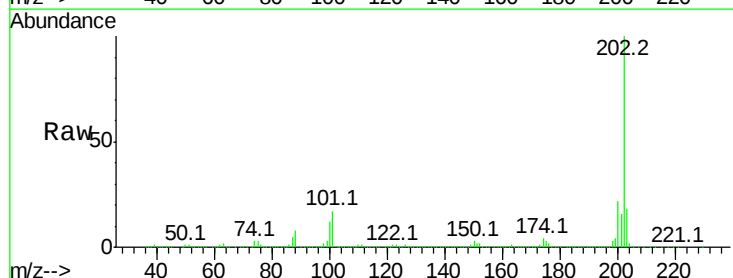
Tgt Ion:202 Resp: 2028604

Ion Ratio Lower Upper

202 100

101 16.6 0.0 35.2

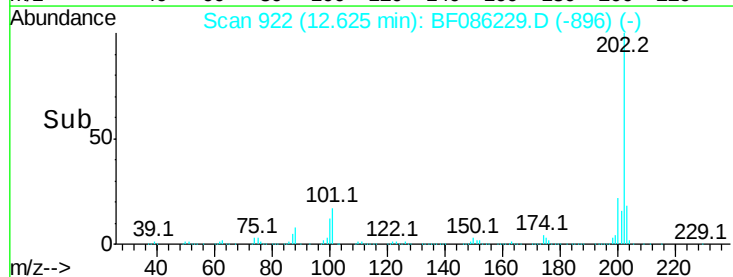
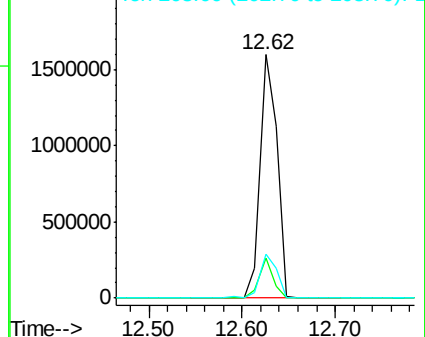
203 18.2 0.0 38.2

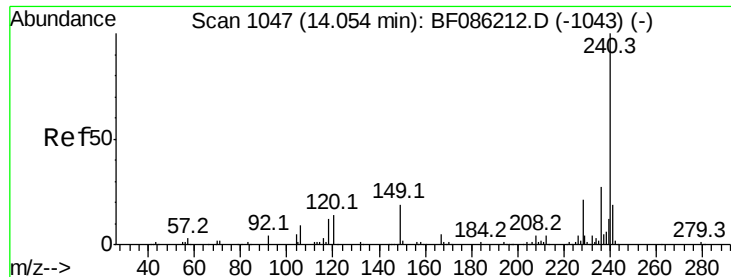


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

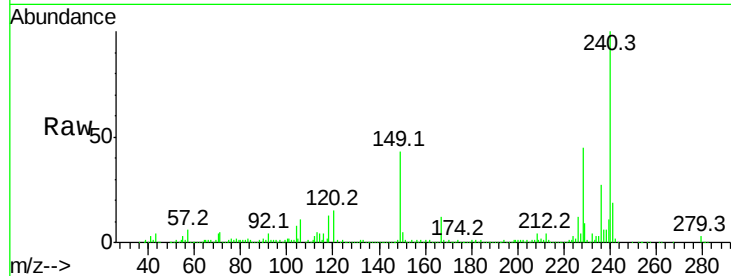
ClientSampleId :

H2402-04MSMSD

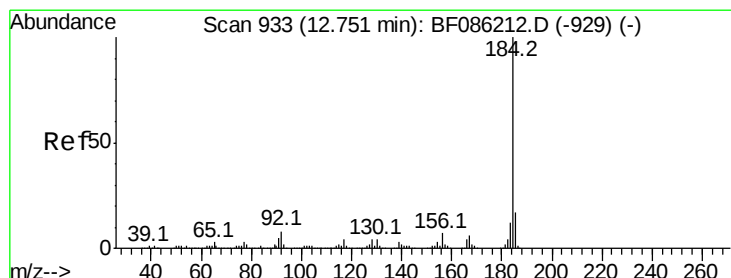
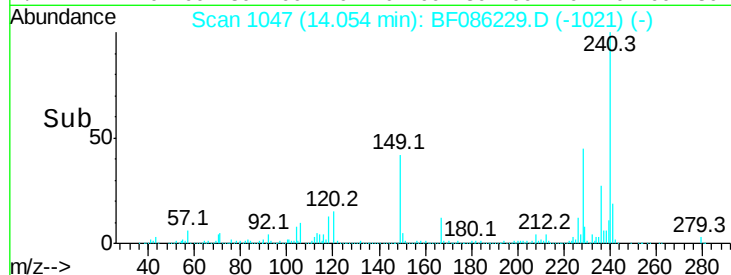
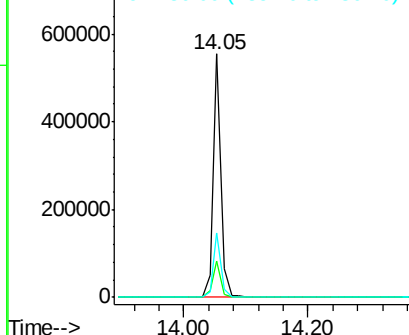
Tot Ion:	240	Resp:	474675
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.3	13.9#
236	26.5	21.1	31.7

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 4.59 ng

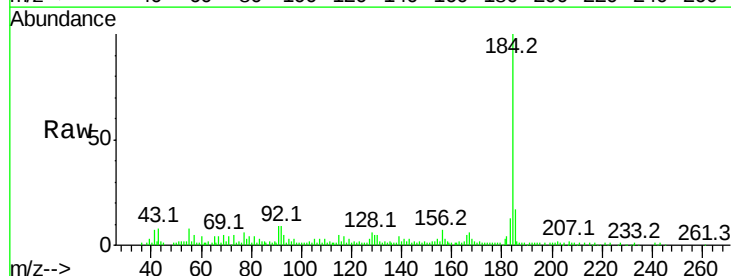
RT: 12.75 min Scan# 933

Delta R.T. -0.00 min

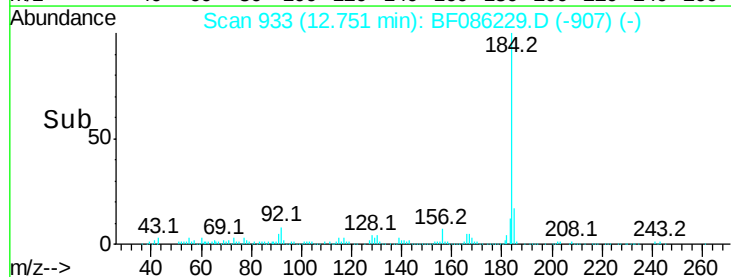
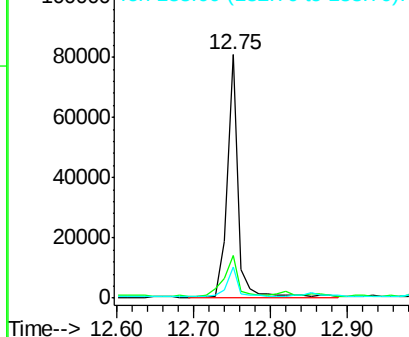
Lab File: BF086229.D

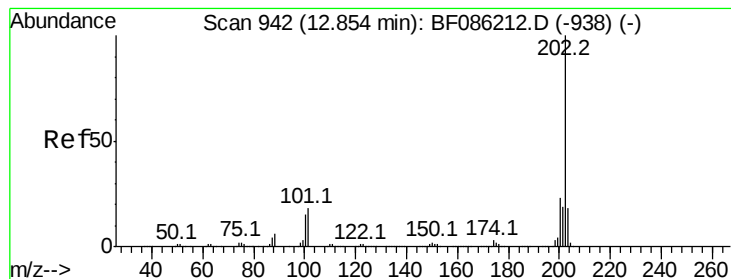
Acq: 15 Apr 2016 21:13

Tgt Ion:	184	Resp:	84539
Ion Ratio	Lower	Upper	
184	100		
185	17.4	14.2	21.2
183	12.8	9.8	14.6



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





#77

Pvrene

Concen: 53.87 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:202 Resp: 1961830

Ion Ratio Lower Upper

202 100

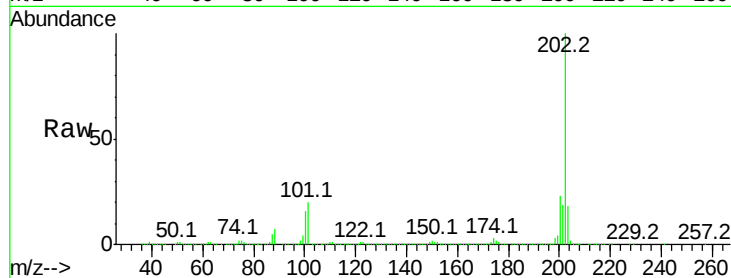
200 22.5 18.3 27.5

203 18.5 14.9 22.3

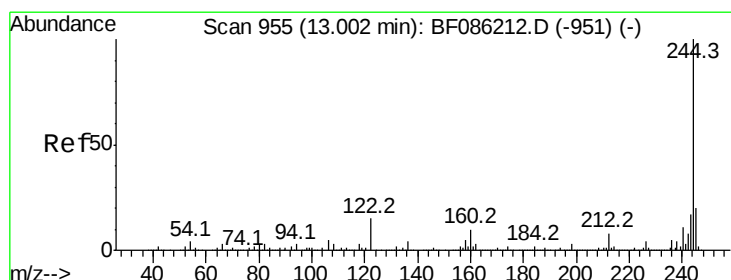
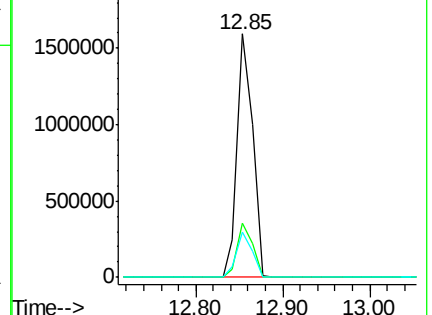
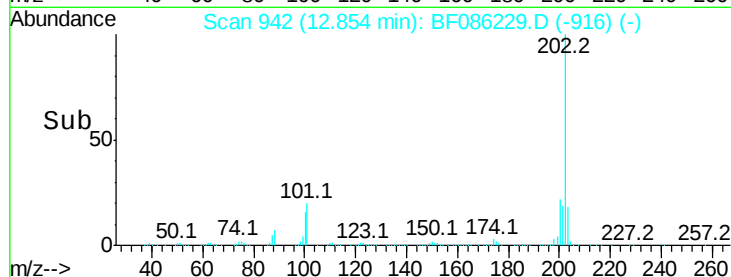
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 92.95 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

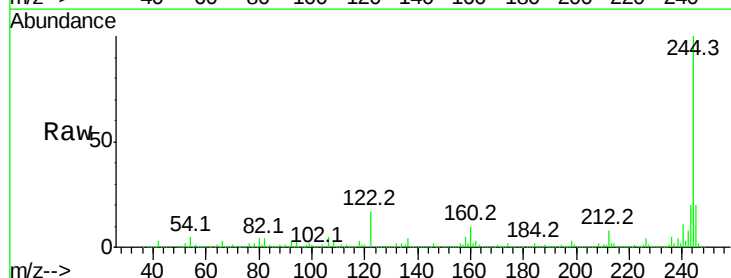
Tgt Ion:244 Resp: 1754586

Ion Ratio Lower Upper

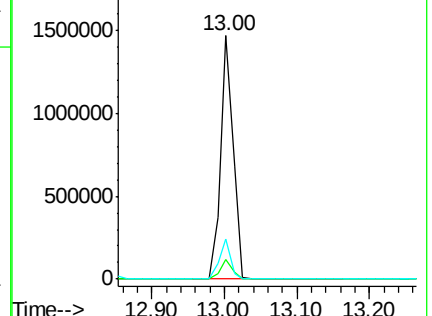
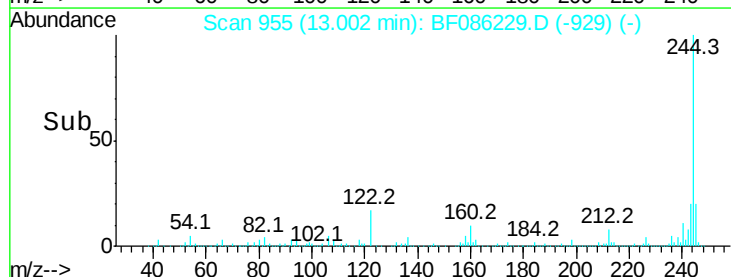
244 100

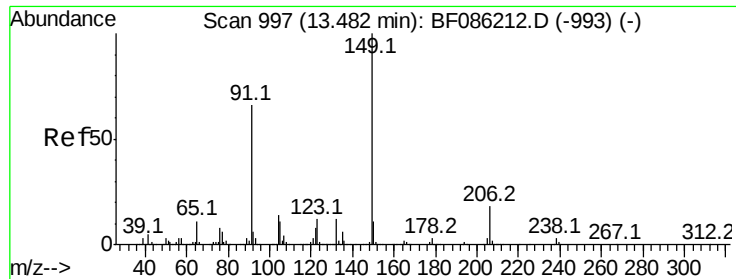
212 8.2 6.4 9.6

122 16.7 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: 58.41 ng

RT: 13.48 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

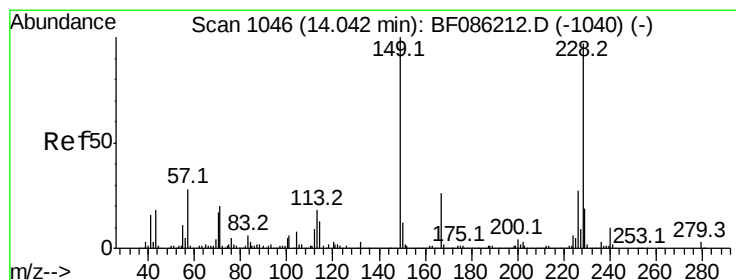
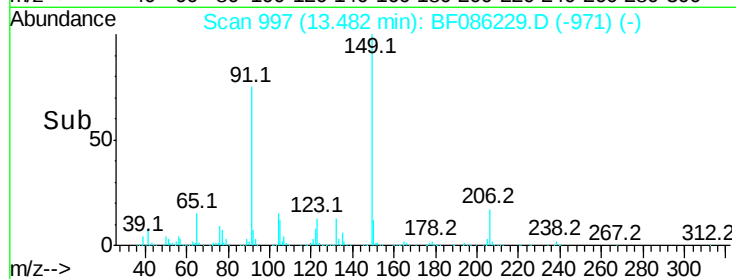
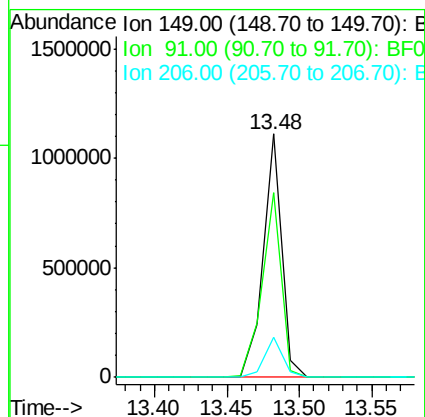
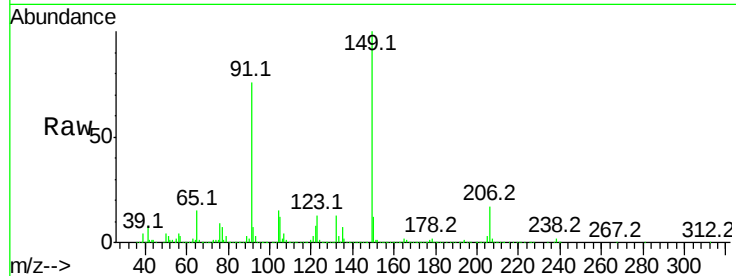
ClientSampleId :

H2402-04MSMSD

Tot Ion:	149	Resp:	982560
Ion Ratio	Lower	Upper	
149	100		
91	75.6	48.7	73.1#
206	16.6	15.7	23.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 49.07 ng

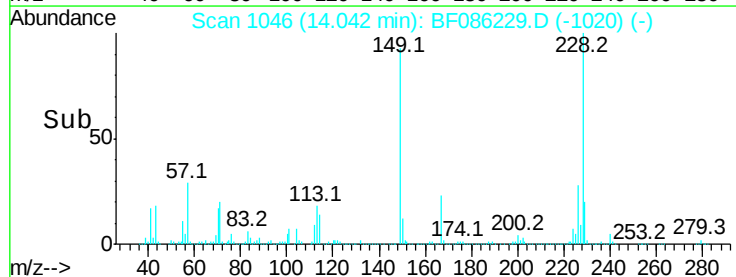
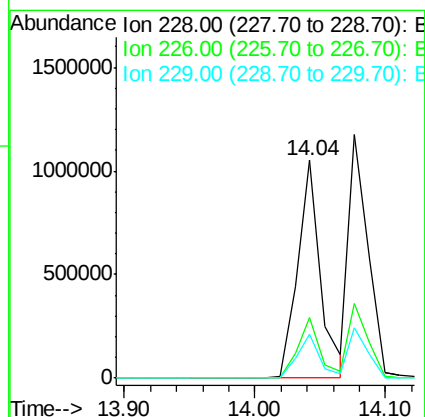
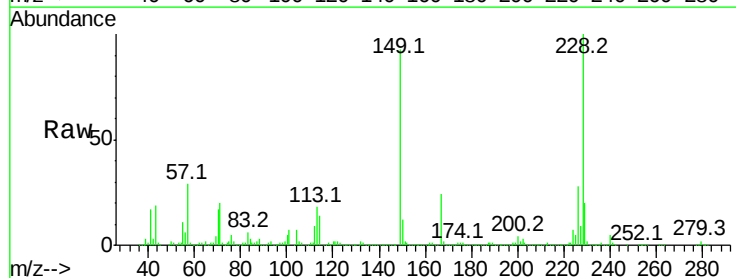
RT: 14.04 min Scan# 1046

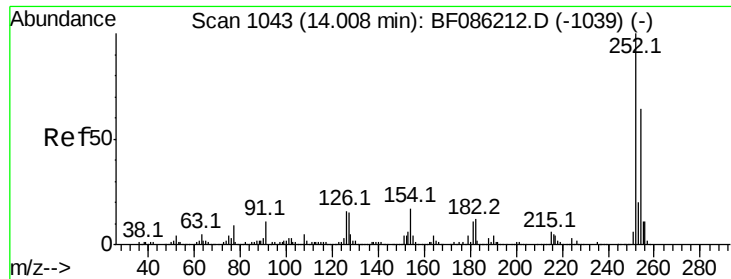
Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	228	Resp:	1278631
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.5	33.7
229	20.1	16.2	24.2





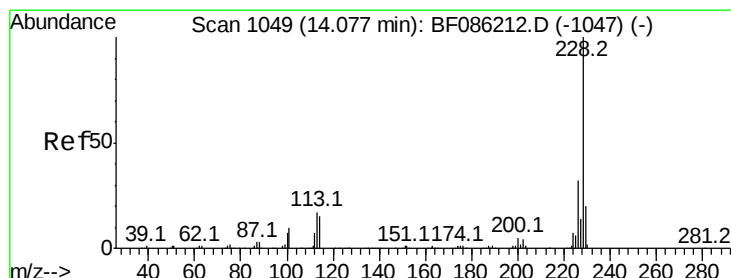
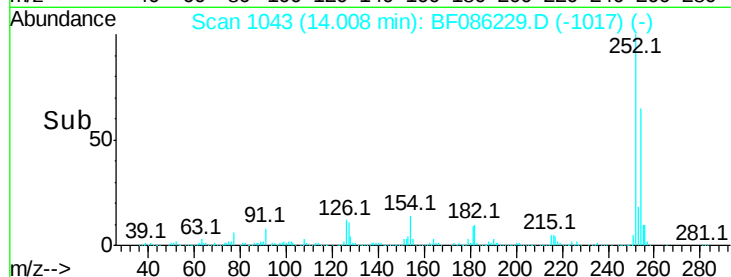
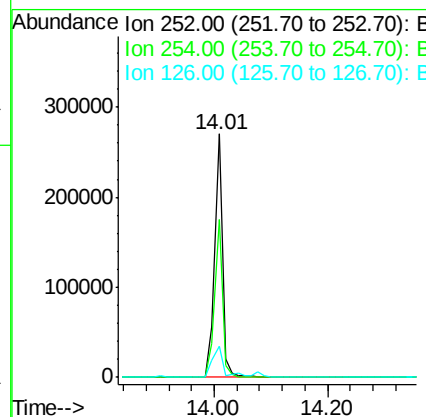
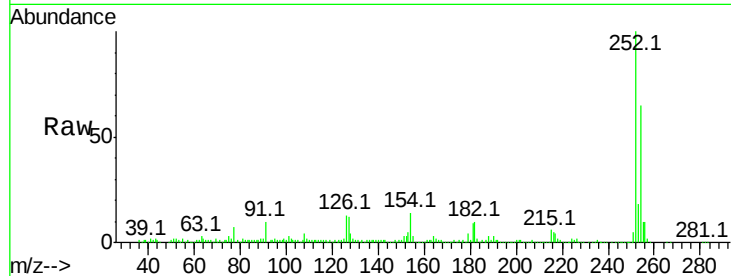
#81
 3,3'-Dichlorobenzidine
 Concen: 16.55 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	249984		
254	65.0	52.1	78.1	
126	12.6	13.2	19.8	

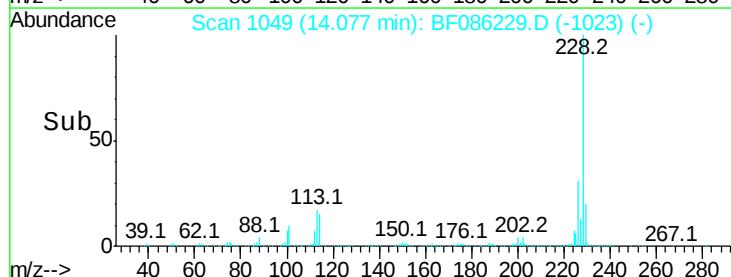
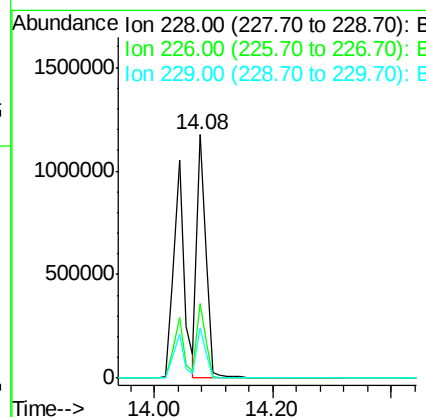
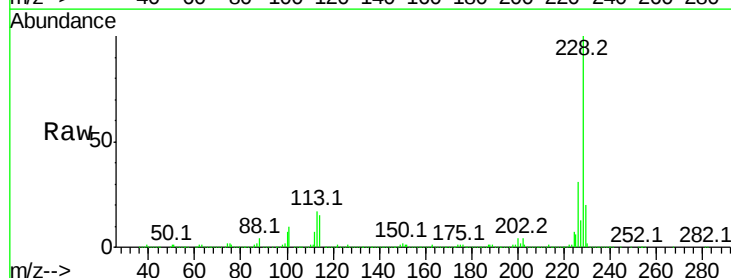
Manual Integrations
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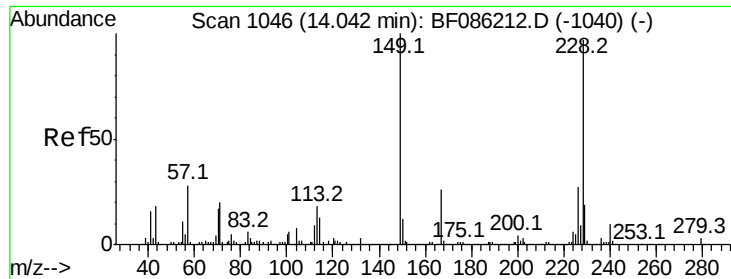
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#82
 Chrysene
 Concen: 44.87 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1246557		
226	30.8	25.4	38.2	
229	20.5	16.5	24.7	





#83

Bis(2-ethylhexyl)phthalate

Concen: 50.60 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

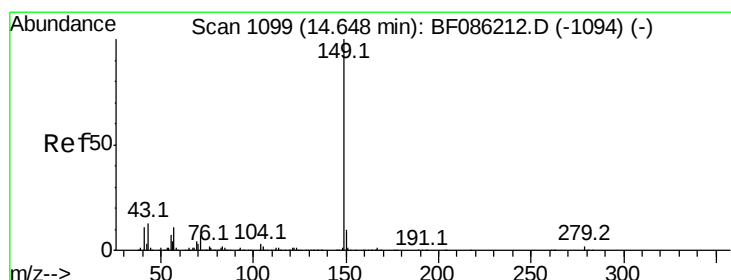
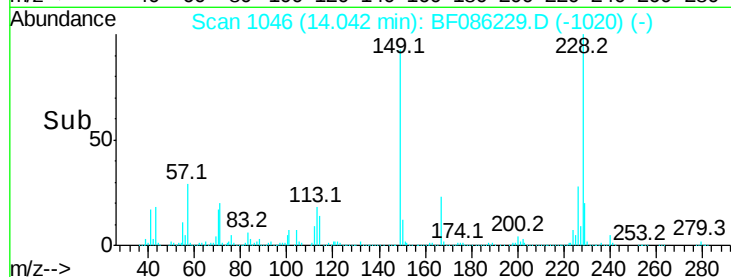
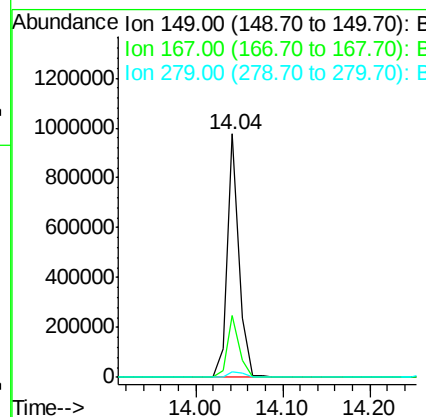
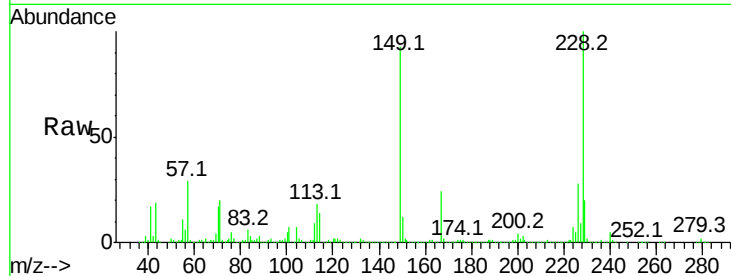
ClientSampleId :

H2402-04MSMSD

Tot Ion:	149	Resp:	919139
Ion Ratio	Lower	Upper	
149	100		
167	25.3	21.0	31.4
279	2.4	2.4	3.6#

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 56.67 ng

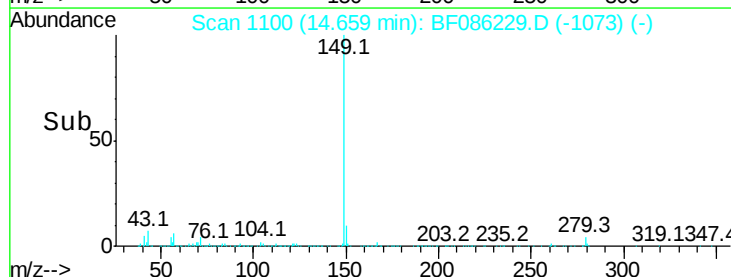
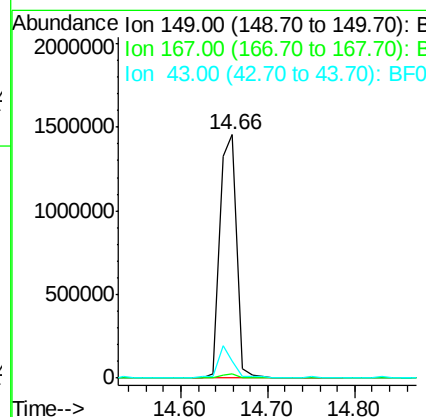
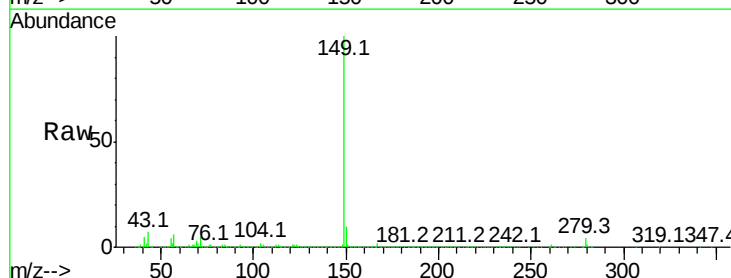
RT: 14.66 min Scan# 1100

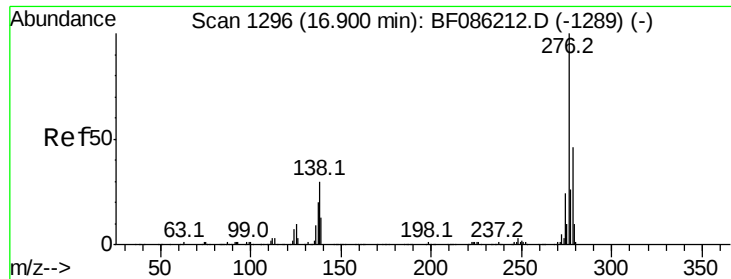
Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:	149	Resp:	1984111
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.1	1.7
43	10.6	9.1	13.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 74.45 ng

RT: 16.90 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:276 Resp: 1700229

Ion Ratio Lower Upper

276 100

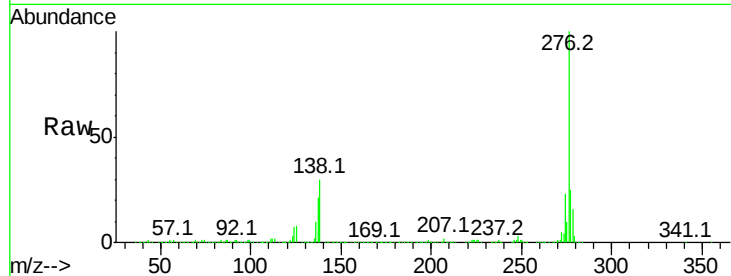
138 33.7 23.8 35.6

277 25.5 20.2 30.2

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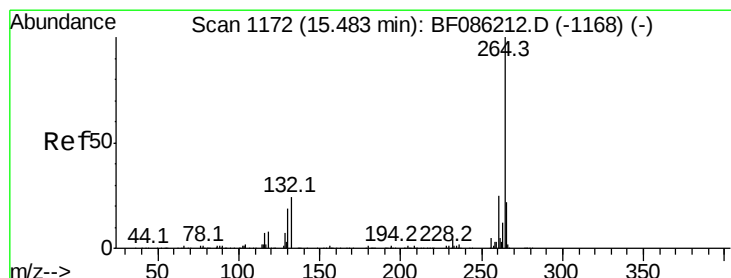
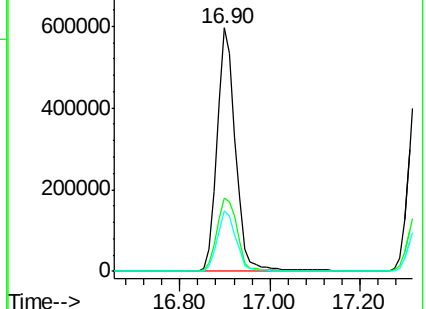
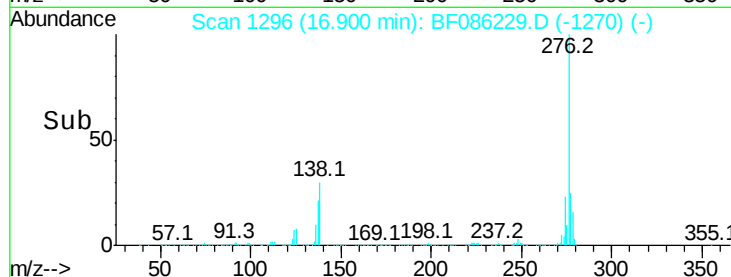
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

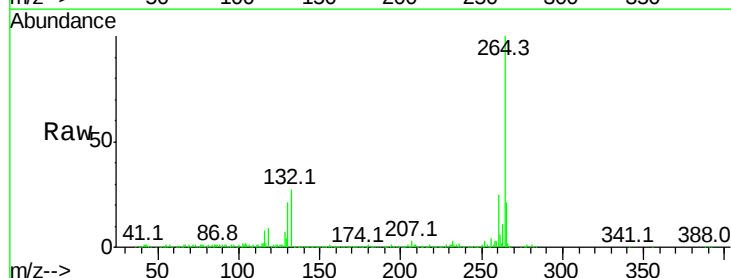
Tgt Ion:264 Resp: 479697

Ion Ratio Lower Upper

264 100

260 24.8 20.0 30.0

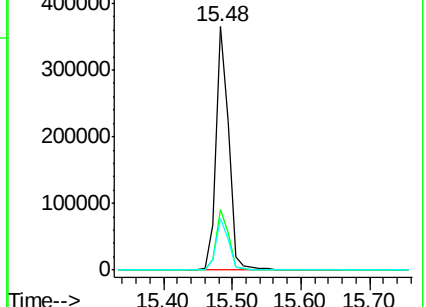
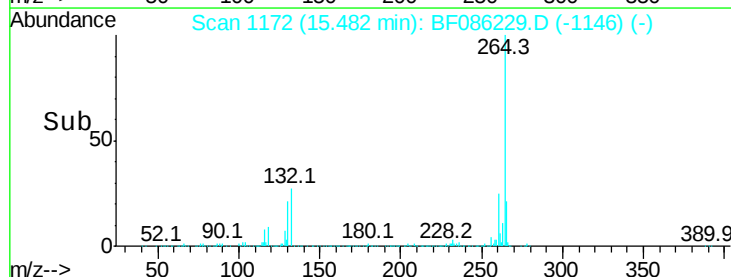
265 21.4 17.4 26.0

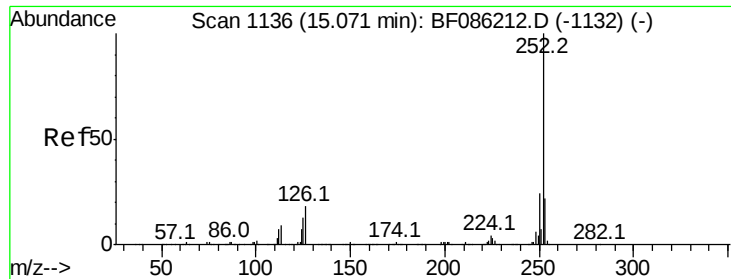


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 53.59 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:252 Resp: 1585981

Ion Ratio Lower Upper

252 100

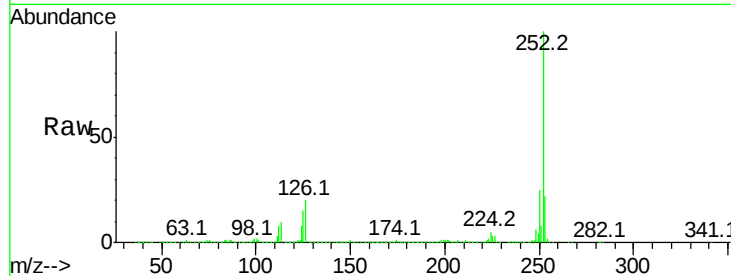
253 22.0 17.7 26.5

125 15.1 10.3 15.5

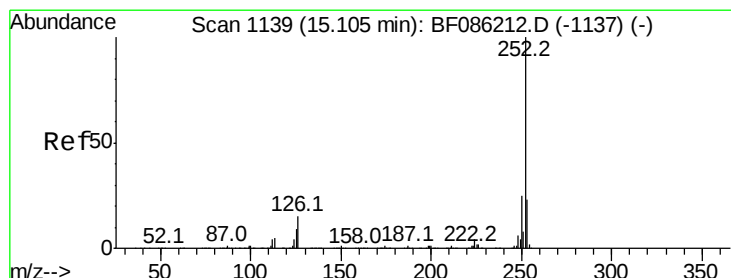
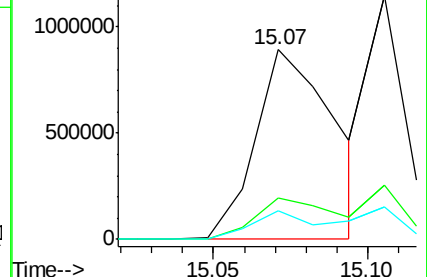
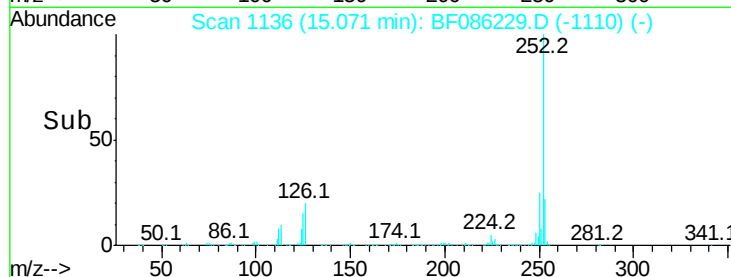
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 36.23 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

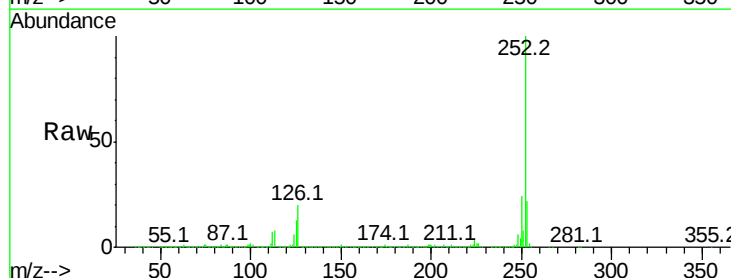
Tgt Ion:252 Resp: 977661

Ion Ratio Lower Upper

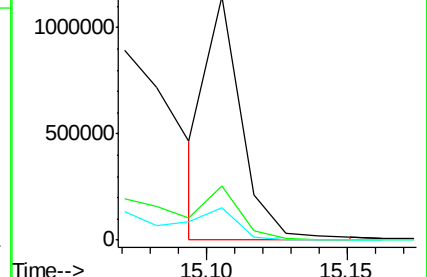
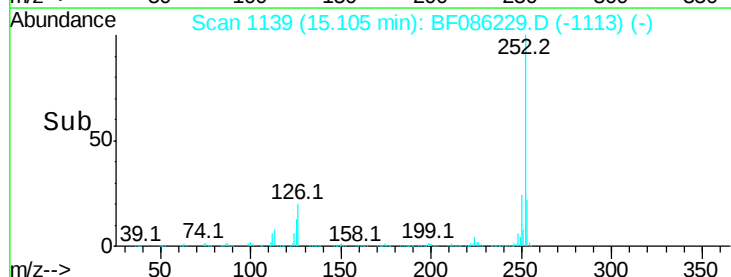
252 100

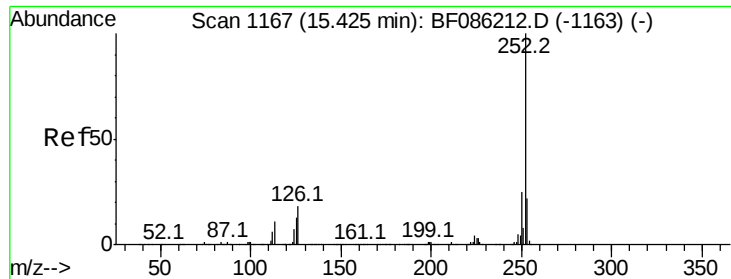
253 22.4 17.5 26.3

125 13.4 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





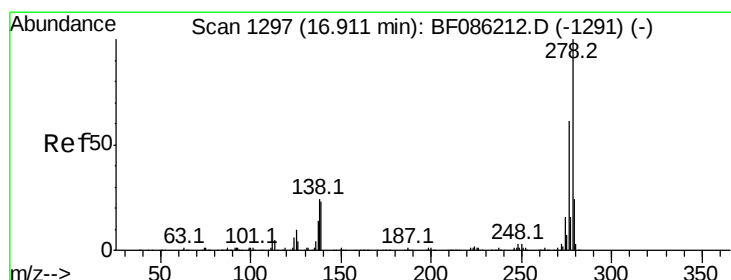
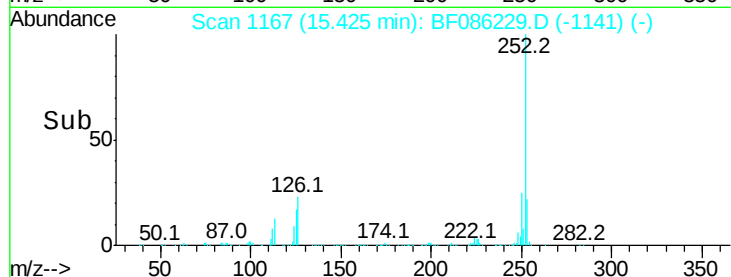
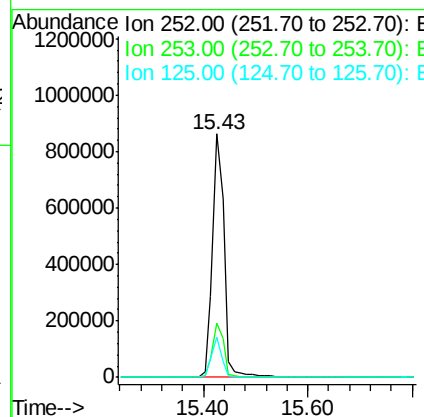
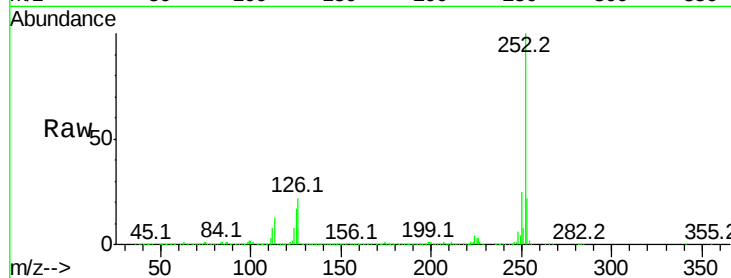
#89
Benzo(a)pyrene
Concen: 51.39 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	16.6	11.2	16.8

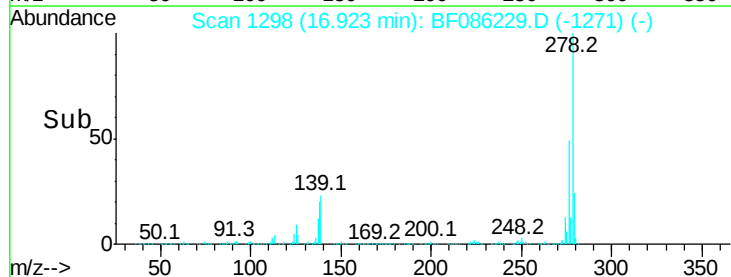
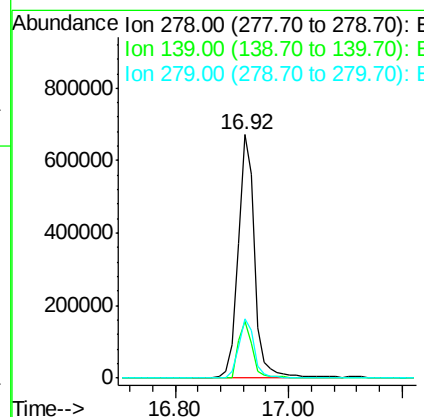
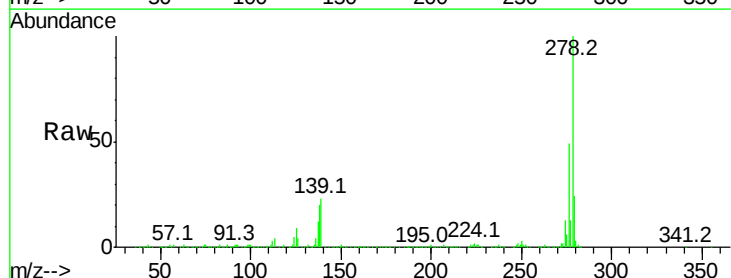
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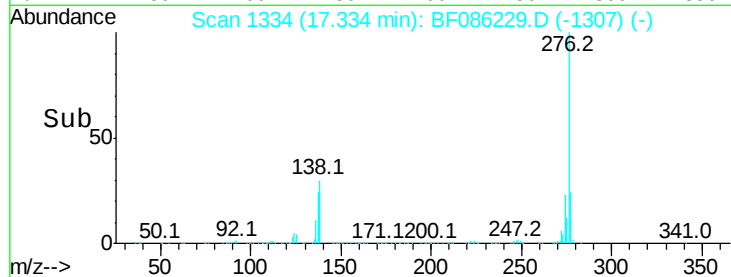
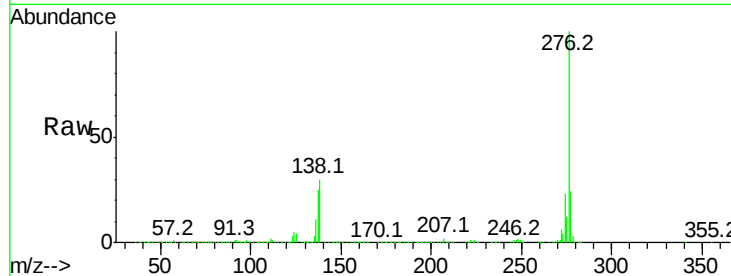
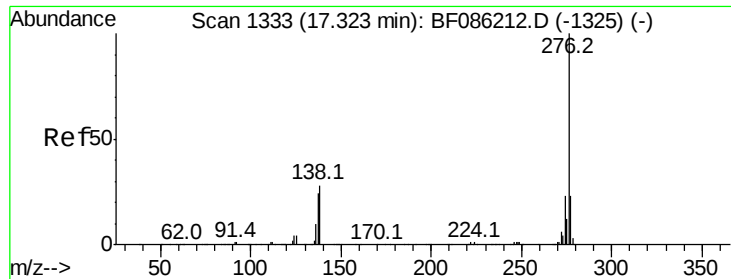
Sohil
4/18/2016 7:30:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 60.87 ng
RT: 16.92 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	15.3	22.9#
279	24.3	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 63.14 ng

RT: 17.33 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tot Ion:276 Resp: 1521077

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 29.9 19.6 29.4#

Manual Integrations
APPROVED

Sohil
4/18/2016 7:30:27 PM

