

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083129.D
 Acq On : 22 Nov 2015 00:36
 Operator : UM/IZ
 Sample : PB86781BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:01:32 PM

Quant Time: Nov 22 09:41:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	212470	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	804603	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	405929	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	754784	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	666426	20.00	ng	-0.01
86) Perylene-d12	15.15	264	602871	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	960418	68.34	ng	-0.01
7) Phenol-d6	6.32	99	1233292	67.82	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1159499	65.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	280065	67.44	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	1890987	64.96	ng	0.00
78) Terphenyl-d14	12.75	244	1911283	67.54	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.25	88	193390	27.78	ng	# 92
3) Pyridine	2.98	79	541860	29.47	ng	98
4) n-Nitrosodimethylamine	2.86	42	296941	35.01	ng	99
6) Aniline	6.32	93	505842	22.76	ng	# 86
8) 2-Chlorophenol	6.44	128	514050	33.86	ng	98
9) Benzaldehyde	6.20	77	258438	25.48	ng	92
10) Phenol	6.34	94	696602	31.67	ng	# 74
11) bis(2-Chloroethyl)ether	6.40	93	542952	34.57	ng	99
12) 1,3-Dichlorobenzene	6.59	146	569788m	32.87	ng	
13) 1,4-Dichlorobenzene	6.67	146	567319	32.35	ng	94
14) 1,2-Dichlorobenzene	6.82	146	498010	31.24	ng	96
15) Benzyl Alcohol	6.82	79	493605	32.48	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.95	45	867711	35.43	ng	89
17) 2-Methylphenol	6.95	107	421312	33.53	ng	97
18) Hexachloroethane	7.16	117	202120	32.72	ng	# 87
19) n-Nitroso-di-n-propylamine	7.10	70	402665	31.82	ng	# 86
20) 3+4-Methylphenols	7.10	107	574869	36.19	ng	91
22) Acetophenone	7.08	105	736590	31.89	ng	# 92
24) Nitrobenzene	7.24	77	617791	32.84	ng	98
25) Isophorone	7.50	82	1086343	32.58	ng	98
26) 2-Nitrophenol	7.56	139	269816	32.48	ng	93
27) 2,4-Dimethylphenol	7.62	122	457009	34.48	ng	96
28) bis(2-Chloroethoxy)methane	7.71	93	670654	34.60	ng	99
29) 2,4-Dichlorophenol	7.82	162	458302	36.35	ng	98
30) 1,2,4-Trichlorobenzene	7.88	180	442793	31.97	ng	96
31) Naphthalene	7.96	128	1439194	33.14	ng	98
32) Benzoic acid	7.78	122	336154	32.62	ng	95
33) 4-Chloroaniline	8.03	127	264517	15.70	ng	# 87
34) Hexachlorobutadiene	8.09	225	274574	33.55	ng	100
35) Caprolactam	8.43	113	97017	24.01	ng	# 67
36) 4-Chloro-3-methylphenol	8.52	107	489188	33.50	ng	# 85
37) 2-Methylnaphthalene	8.66	142	934040m	33.14	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.82	216	414451	31.50	ng	# 98
40) Hexachlorocyclopentadiene	8.81	237	475607	63.57	ng	98

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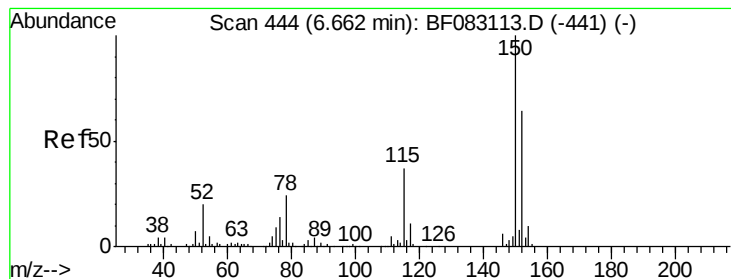
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	321916	34.16	nq	100
43) 2,4,5-Trichlorophenol	8.99	196	318977	33.11	nq	99
45) 1,1'-Biphenyl	9.12	154	1112460	32.20	nq	98
46) 2-Chloronaphthalene	9.14	162	915229	33.73	nq	94
47) 2-Nitroaniline	9.24	65	313912	32.70	nq	100
48) Acenaphthylene	9.55	152	1389456	33.04	nq	99
49) Dimethylphthalate	9.44	163	1122451	35.92	nq	98
50) 2,6-Dinitrotoluene	9.48	165	222959	31.80	nq	94
51) Acenaphthene	9.72	154	846668	33.08	nq	99
52) 3-Nitroaniline	9.66	138	135558	18.13	nq	# 63
53) 2,4-Dinitrophenol	9.76	184	280269	69.37	nq	# 86
54) Dibenzofuran	9.90	168	1212974	33.52	nq	97
55) 4-Nitrophenol	9.85	139	372269	64.93	nq	97
56) 2,4-Dinitrotoluene	9.90	165	295274	33.23	nq	# 83
57) Fluorene	10.24	166	1013505	33.89	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.02	232	268229	33.94	nq	97
59) Diethylphthalate	10.14	149	1052123	33.82	nq	99
60) 4-Chlorophenyl-phenylether	10.24	204	465925	34.01	nq	# 80
61) 4-Nitroaniline	10.27	138	226019	30.71	nq	91
62) Azobenzene	10.39	77	1251855	35.26	nq	97
64) 4,6-Dinitro-2-methylphenol	10.30	198	191850	36.89	nq	90
65) n-Nitrosodiphenylamine	10.35	169	833470	32.47	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	290762	34.72	nq	# 90
67) Hexachlorobenzene	10.79	284	316248	34.29	nq	# 79
68) Atrazine	10.89	200	272437	36.55	nq	98
69) Pentachlorophenol	10.98	266	382562	63.68	nq	97
70) Phenanthrene	11.19	178	1415932	32.56	nq	100
71) Anthracene	11.24	178	1593911	35.93	nq	99
72) Carbazole	11.40	167	1388557	35.21	nq	99
73) Di-n-butylphthalate	11.75	149	1671148	34.72	nq	100
74) Fluoranthene	12.38	202	1603614	36.03	nq	94
76) Benzidine	12.50	184	628785	36.00	nq	100
77) Pyrene	12.59	202	1525069	33.50	nq	100
79) Butylbenzylphthalate	13.23	149	739801	34.33	nq	99
80) Benzo(a)anthracene	13.78	228	1477124	35.84	nq	99
81) 3,3'-Dichlorobenzidine	13.76	252	354430	24.71	nq	98
82) Chrysene	13.82	228	1191984	31.18	nq	98
83) Bis(2-ethylhexyl)phthalate	13.79	149	952512	33.85	nq	99
84) Di-n-octyl phthalate	14.40	149	1707655	35.25	nq	100
85) Indeno(1,2,3-cd)pyrene	16.42	276	1176710	33.85	nq	98
87) Benzo(b)fluoranthene	14.79	252	1409879m	34.23	nq	
88) Benzo(k)fluoranthene	14.81	252	1019694m	33.22	nq	
89) Benzo(a)pyrene	15.11	252	1165788	34.28	nq	99
90) Dibenzo(a,h)anthracene	16.43	278	1000126	32.37	nq	98
91) Benzo(g,h,i)perylene	16.80	276	985028	32.66	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

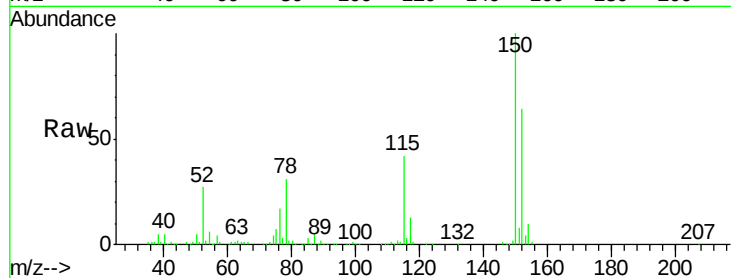
ClientSampleId :

PB86781BS

Tot Ion:	152	Resp:	212470
Ion Ratio	Lower	Upper	
152	100		
150	156.7	125.8	188.8
115	65.9	46.9	70.3

Manual Integrations
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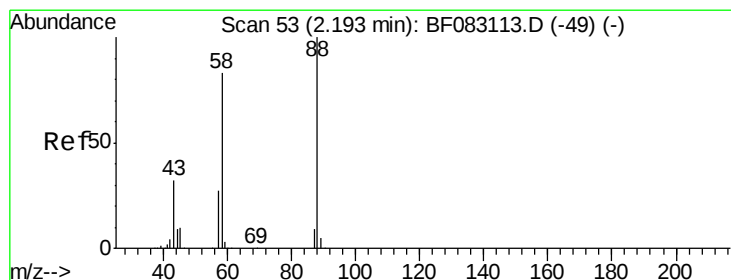
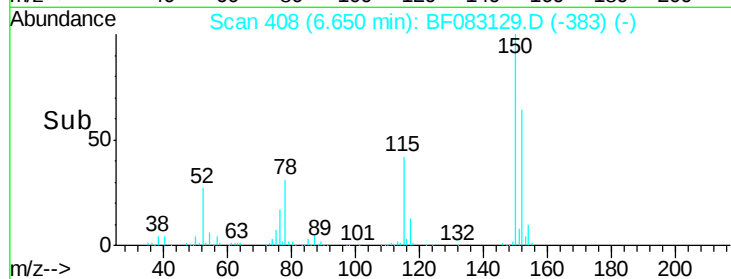
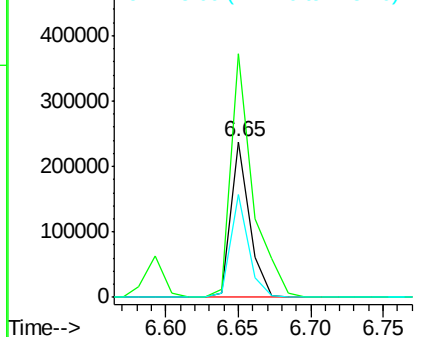
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 27.78 ng

RT: 2.25 min Scan# 23

Delta R.T. 0.06 min

Lab File: BF083129.D

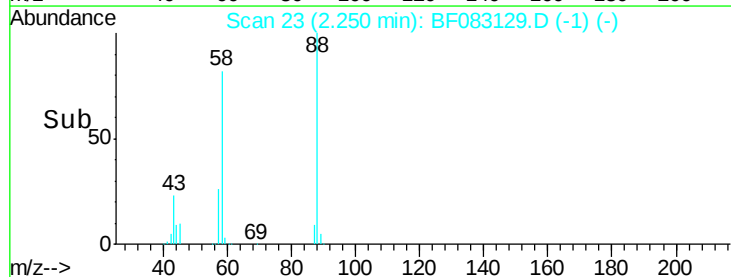
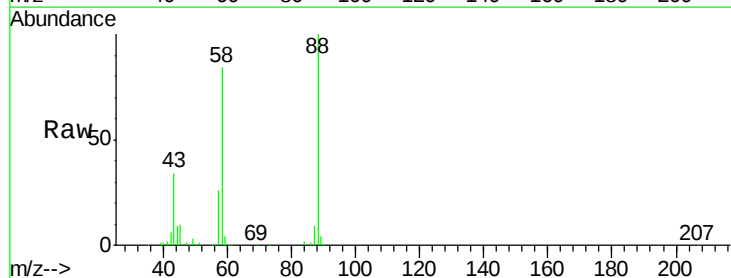
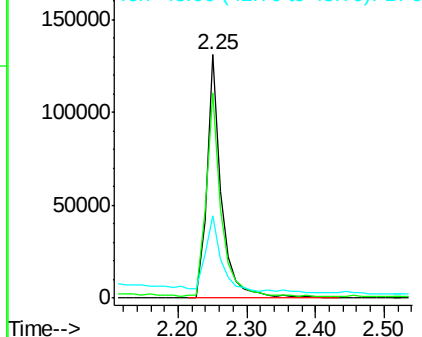
Acq: 22 Nov 2015 00:36

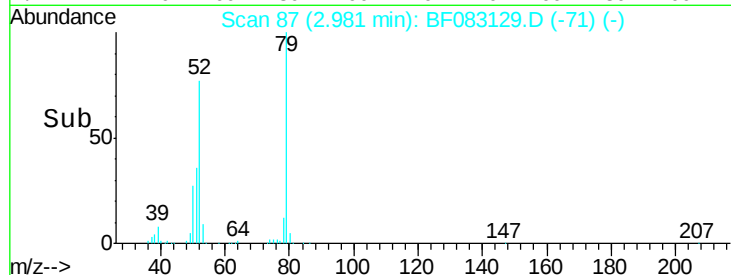
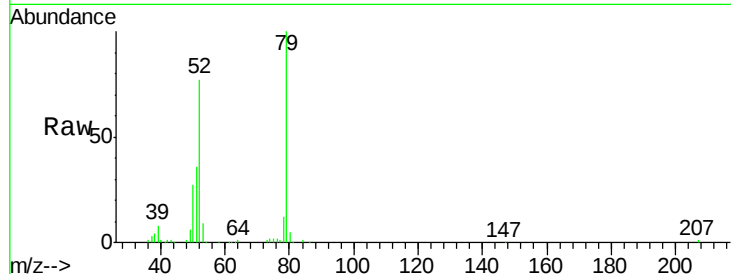
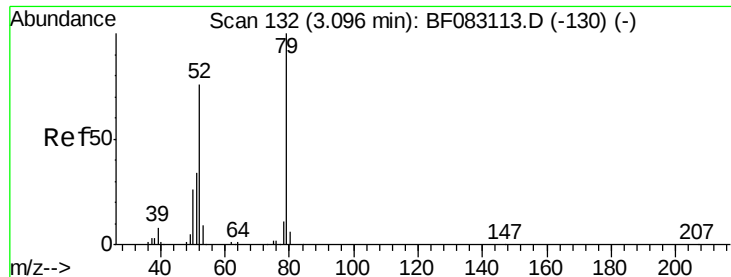
Tgt Ion:	88	Resp:	193390
Ion Ratio	Lower	Upper	
88	100		
58	87.5	65.0	97.6
43	37.1	24.7	37.1#

Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





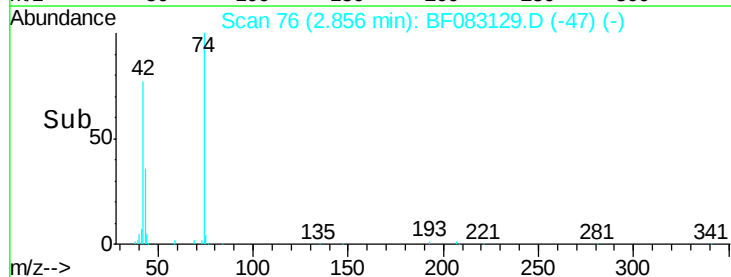
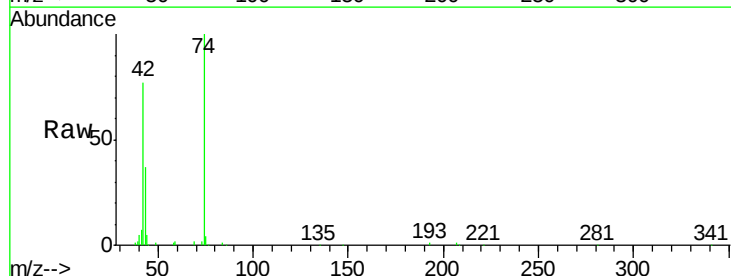
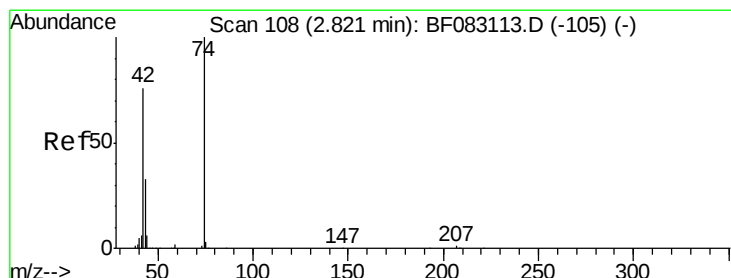
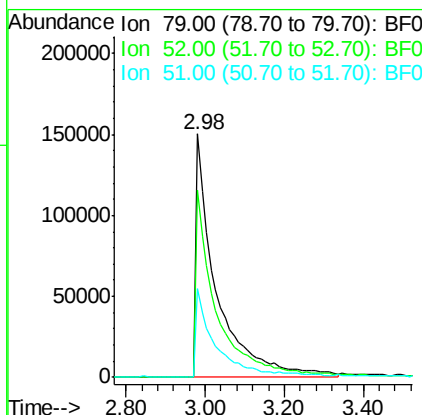
#3
 Pvridine
 Concen: 29.47 ng
 RT: 2.98 min Scan# 87
 Delta R.T. -0.11 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tot Ion:	79	Resp:	541860
Ion Ratio	Lower	Upper	
79	100		
52	77.1	60.7	91.1
51	36.3	27.9	41.9

Instrument :
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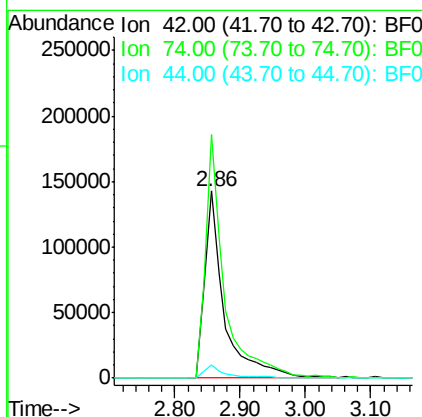
Manual Integrations
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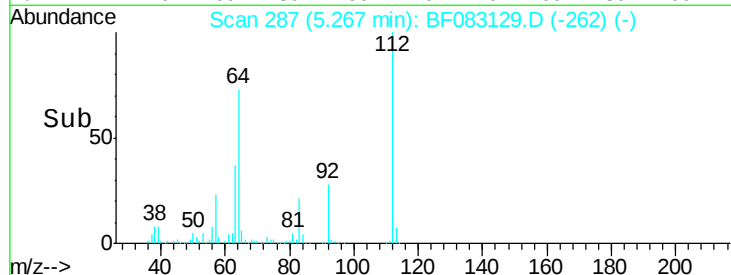
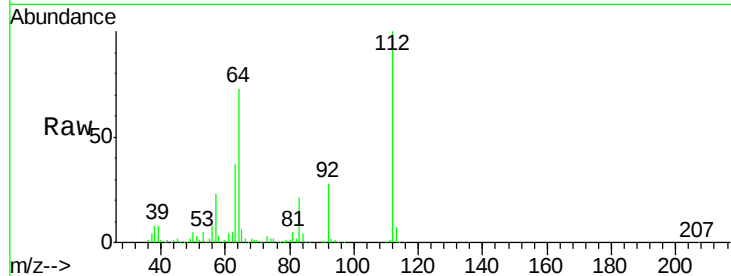
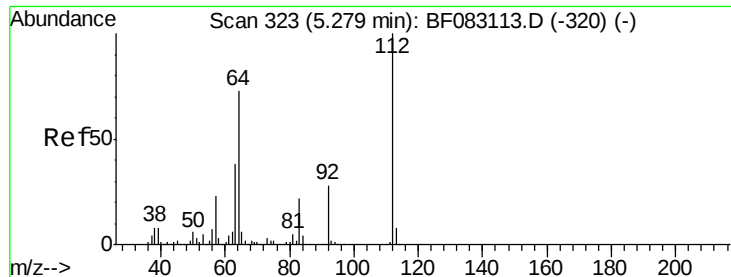
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#4
 n-Nitrosodimethylamine
 Concen: 35.01 ng
 RT: 2.86 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion:	42	Resp:	296941
Ion Ratio	Lower	Upper	
42	100		
74	130.0	104.8	157.2
44	6.9	6.2	9.4





#5

2-Fluorophenol

Concen: 68.34 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tot Ion:	112	Resp:	960418
Ion Ratio	Lower	Upper	
112	100		
64	72.5	58.4	87.6
63	36.8	30.0	45.0

Instrument :

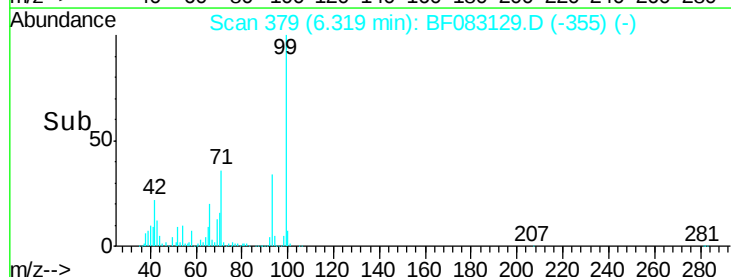
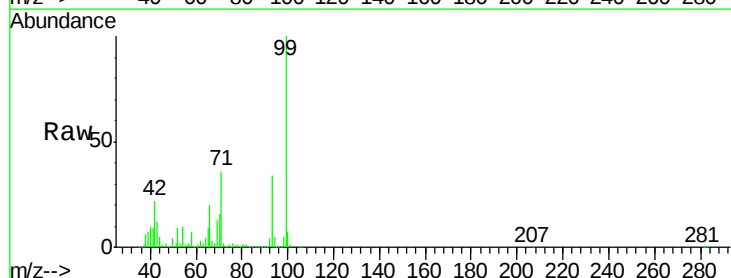
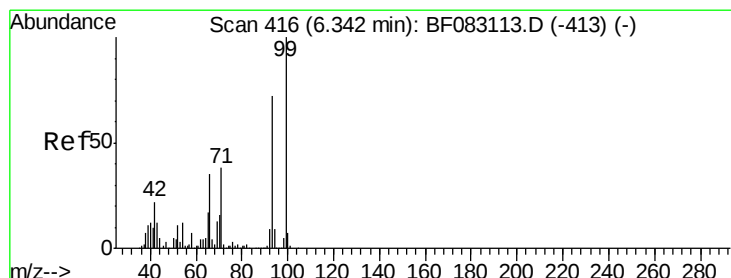
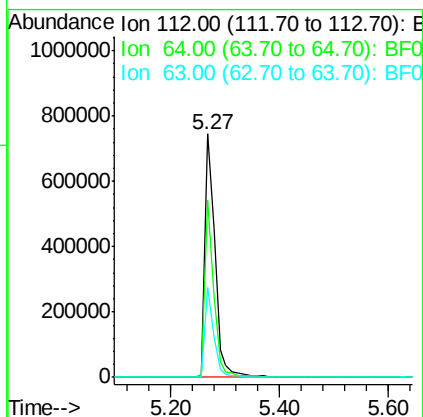
BNA_F

ClientSampleId :

PB86781BS

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#6

Aniline

Concen: 22.76 ng

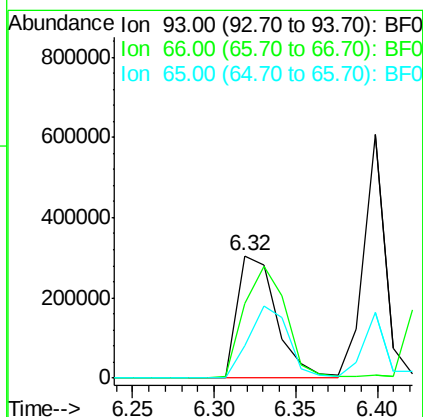
RT: 6.32 min Scan# 379

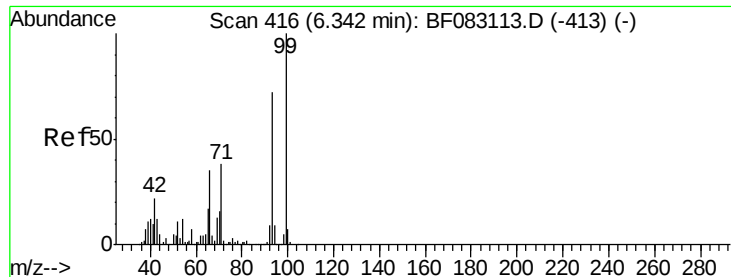
Delta R.T. -0.02 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	93	Resp:	505842
Ion Ratio	Lower	Upper	
93	100		
66	60.5	38.7	58.1#
65	26.5	18.6	27.8





#7

Phenol-d6

Concen: 67.82 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion: 99 Resp: 1233292

Ion Ratio Lower Upper

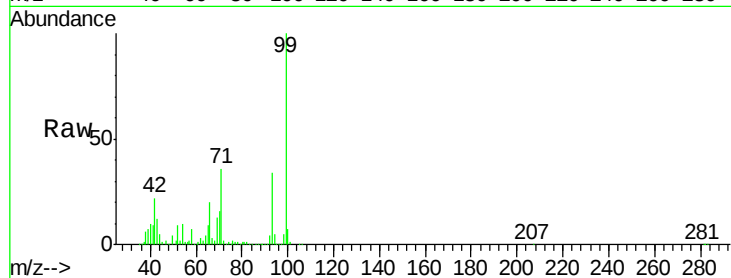
99 100

42 21.7 17.7 26.5

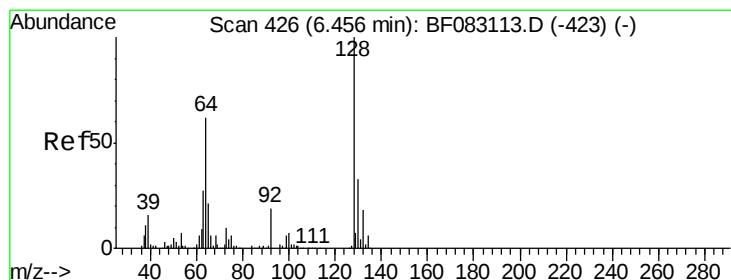
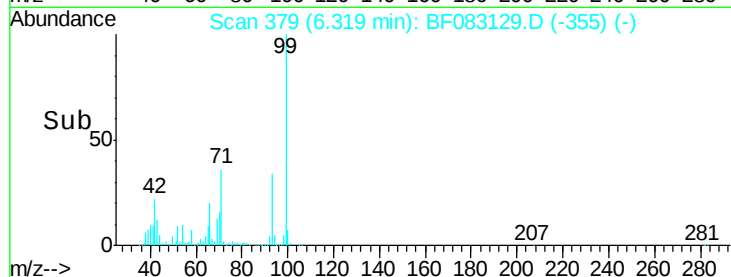
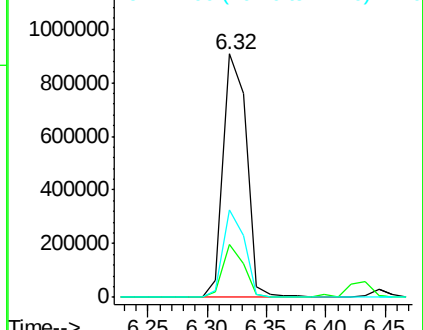
71 36.1 30.2 45.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 33.86 ng

RT: 6.44 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

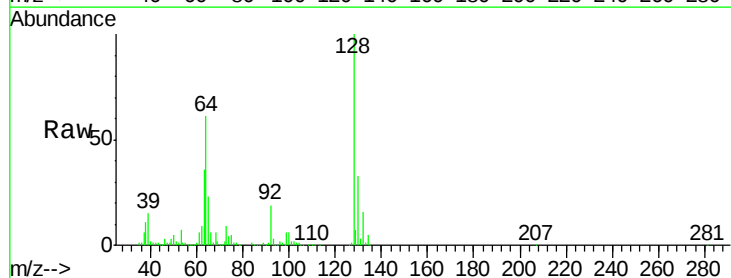
Tgt Ion: 128 Resp: 514050

Ion Ratio Lower Upper

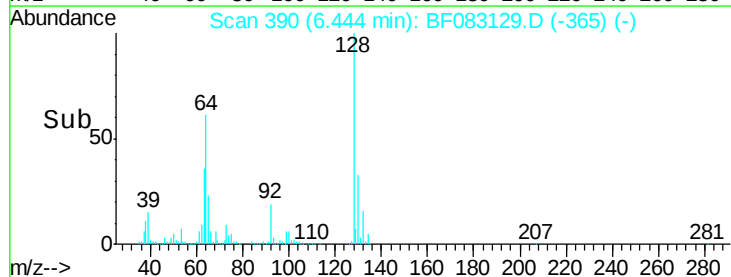
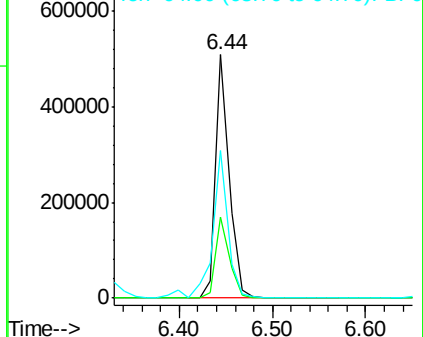
128 100

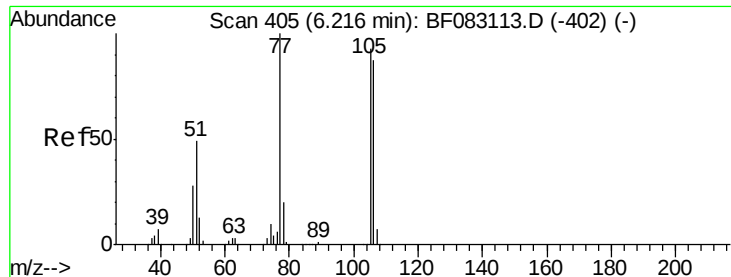
130 33.1 12.6 52.6

64 60.5 41.9 81.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.48 ng

RT: 6.20 min Scan# 369

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

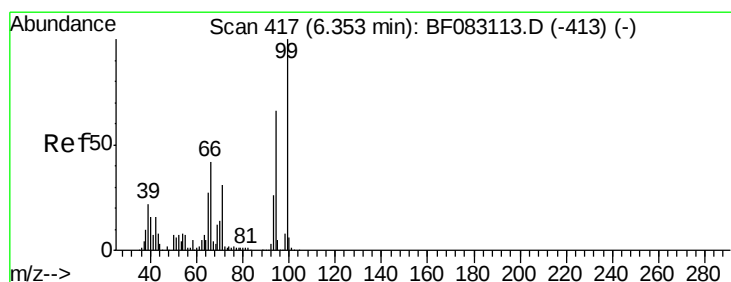
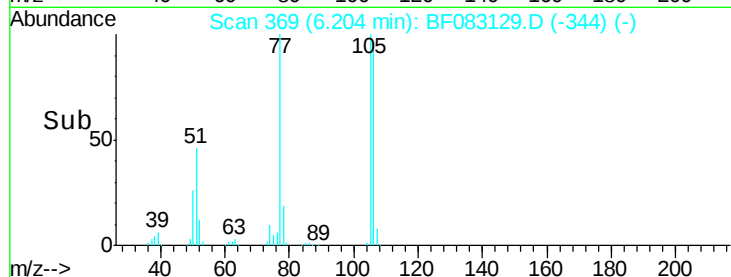
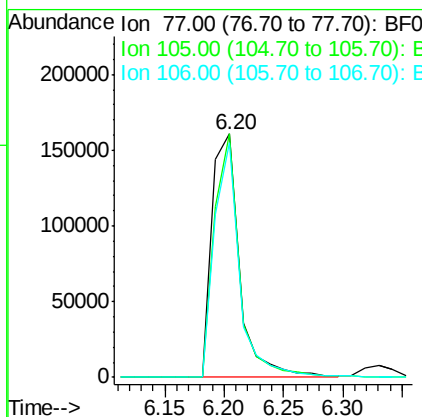
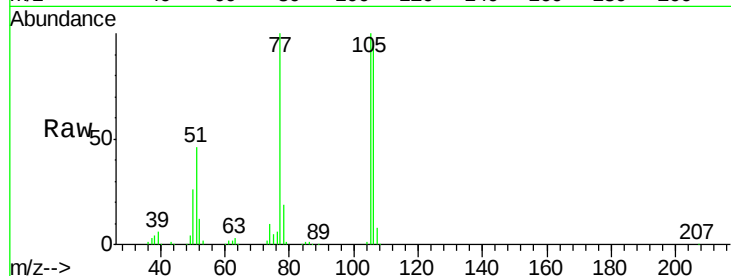
ClientSampleId :

PB86781BS

Manual Integrations
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	99.9	73.4	113.4		
106	96.4	67.5	107.5		



#10

Phenol

Concen: 31.67 ng

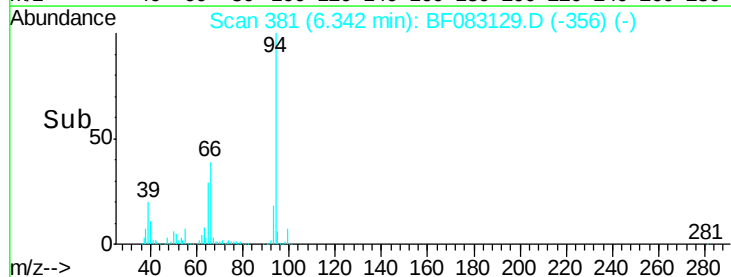
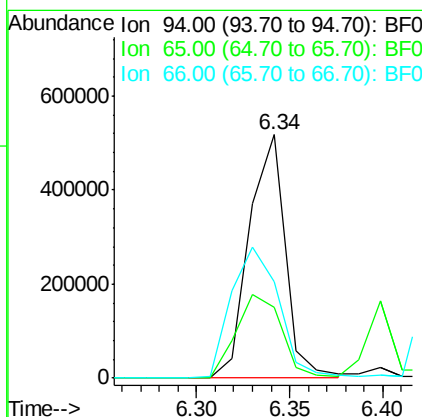
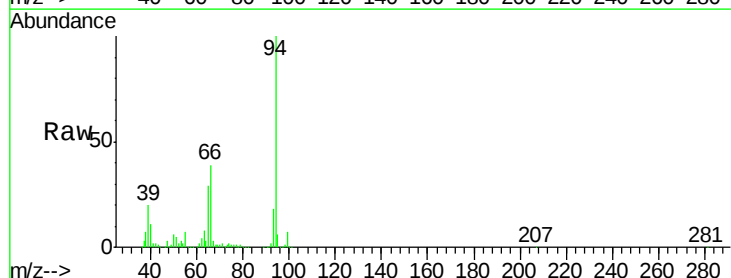
RT: 6.34 min Scan# 381

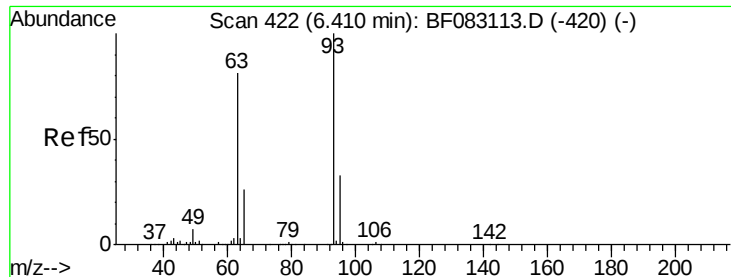
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	29.3	21.1	61.1		
66	39.4	43.1	83.1		





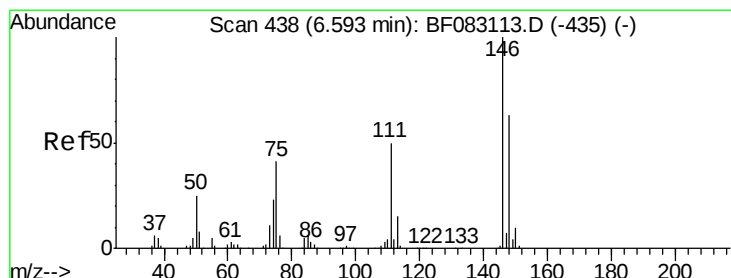
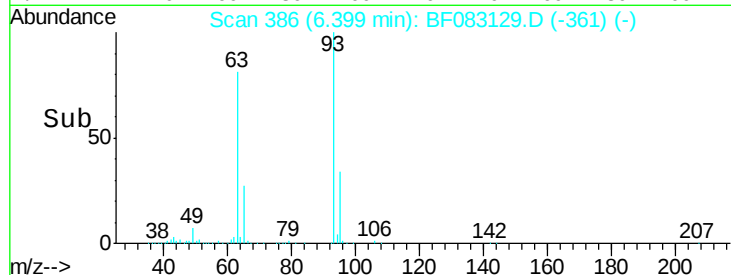
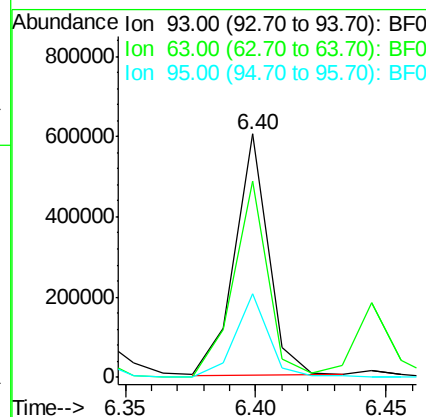
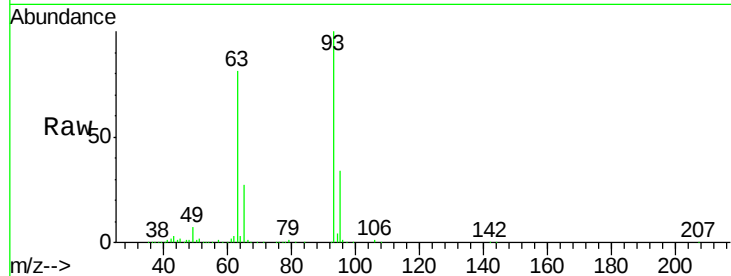
#11
bis(2-Chloroethyl)ether
Concen: 34.57 ng
RT: 6.40 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion:	93	Resp:	542952
Ion Ratio	Lower	Upper	
93	100		
63	80.6	59.8	99.8
95	34.3	13.0	53.0

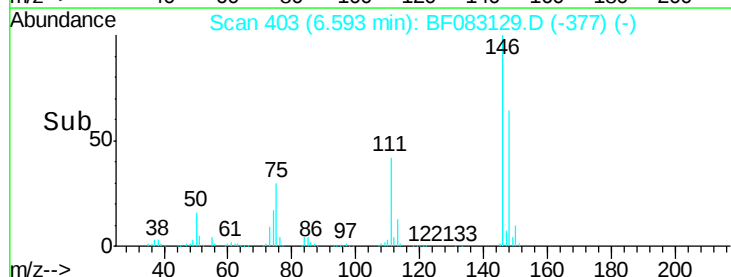
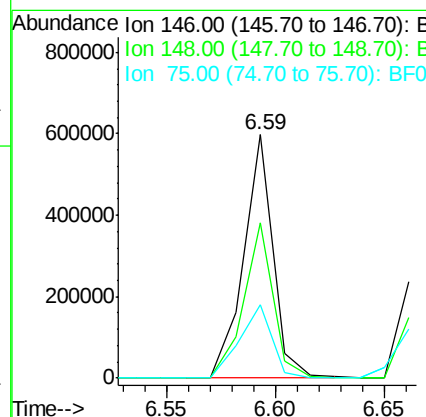
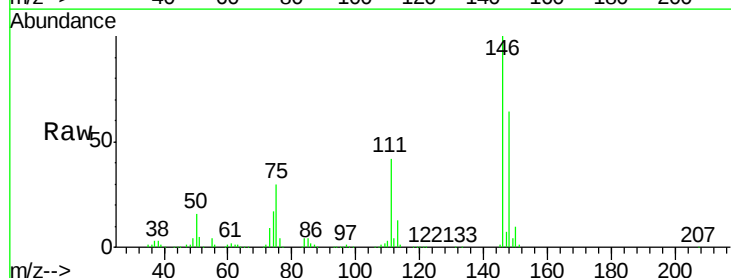
Manual Integrations
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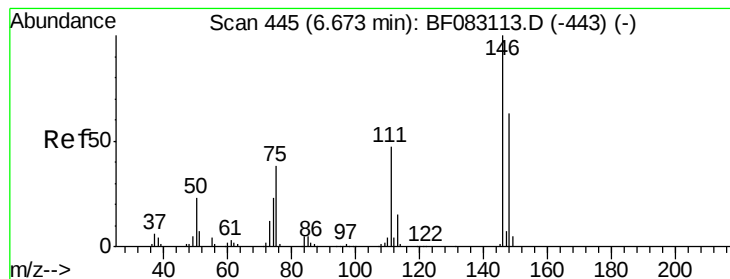
Mmdadoda
11/23/2015 7:01:32 PM



#12
1,3-Dichlorobenzene
Concen: 32.87 ng m
RT: 6.59 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion:	146	Resp:	569788
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.2	75.2
75	30.0	32.7	49.1#





#13

1,4-Dichlorobenzene

Concen: 32.35 ng

RT: 6.67 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

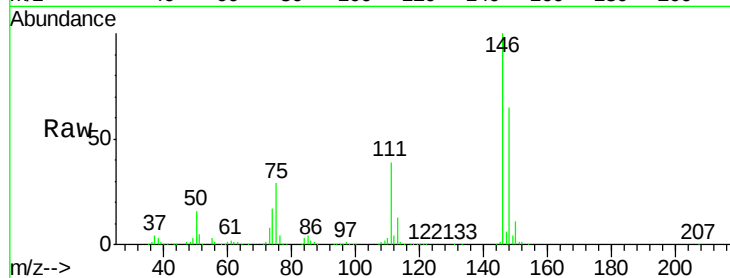
ClientSampleId :

PB86781BS

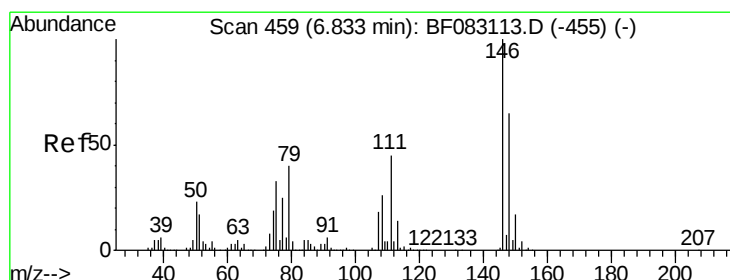
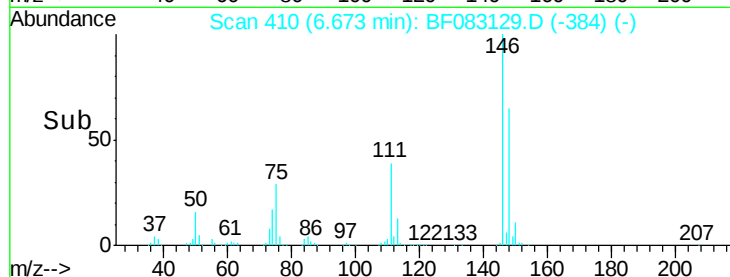
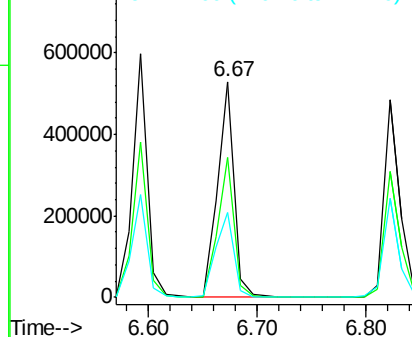
Tot Ion:	146	Resp:	567319
Ion Ratio	Lower	Upper	
146	100		
148	64.7	50.2	75.2
111	39.5	37.5	56.3

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 31.24 ng

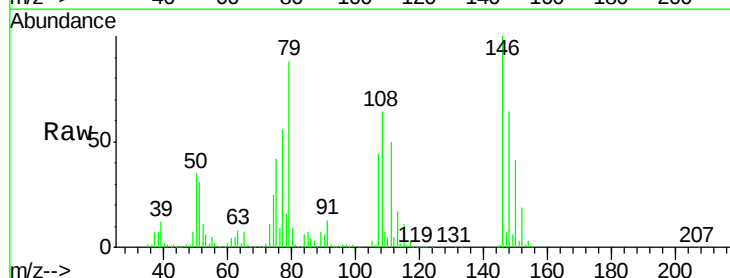
RT: 6.82 min Scan# 423

Delta R.T. -0.01 min

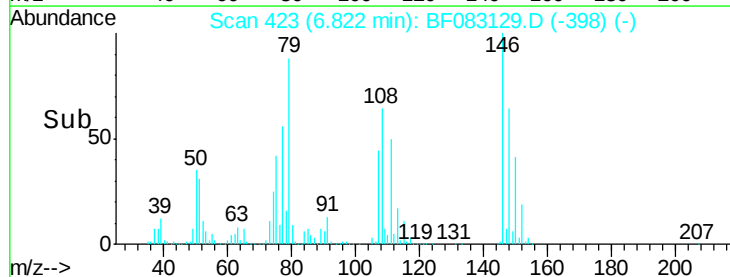
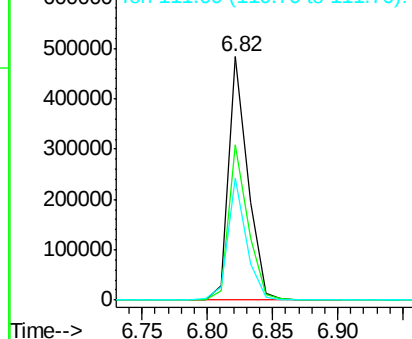
Lab File: BF083129.D

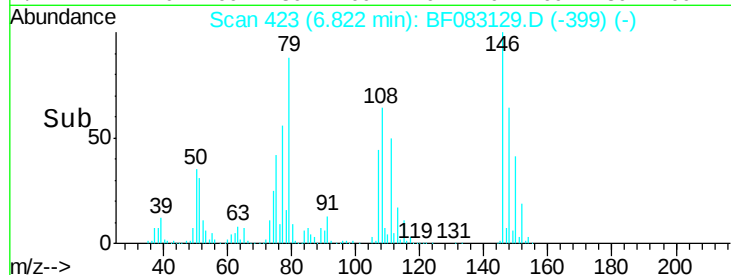
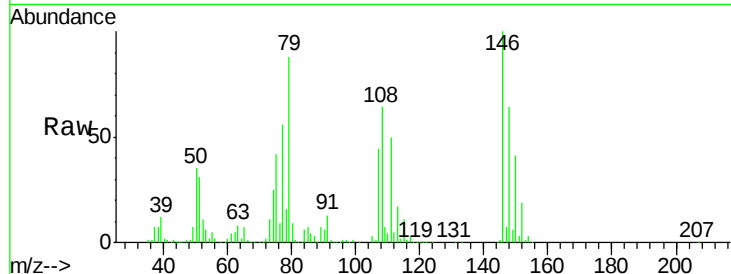
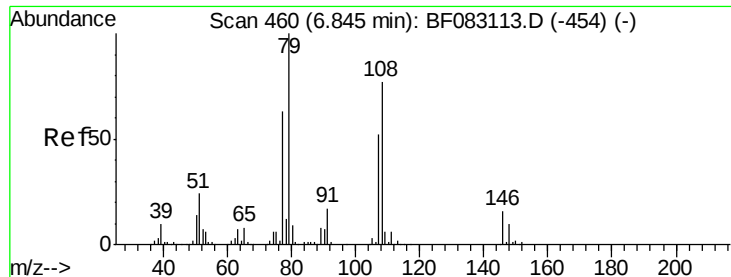
Acq: 22 Nov 2015 00:36

Tgt Ion:	146	Resp:	498010
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.8	77.6
111	50.1	36.2	54.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





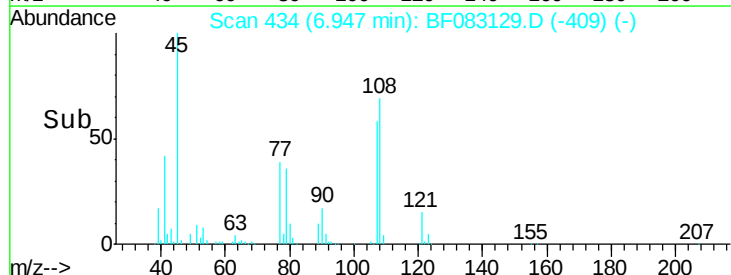
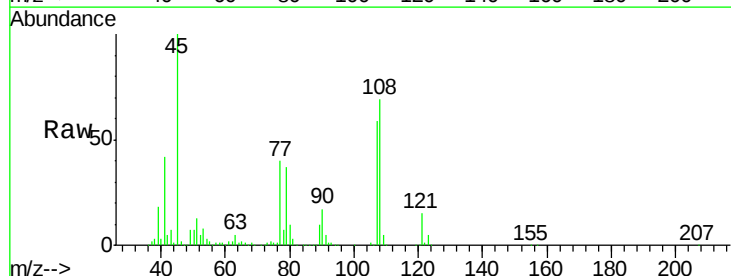
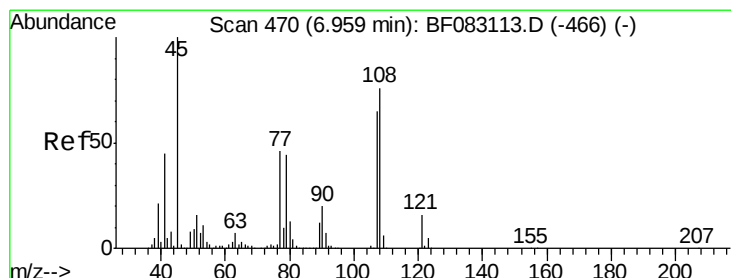
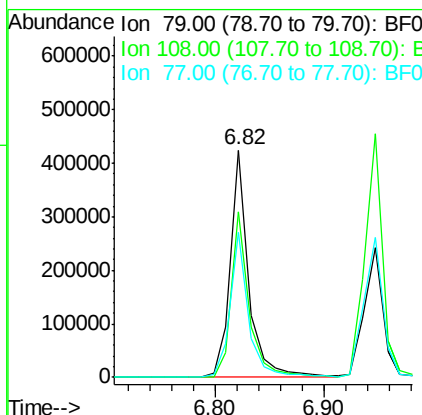
#15
Benzyl Alcohol
Concen: 32.48 ng
RT: 6.82 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tot Ion	Ratio	Resp	Lower	Upper
79	100	493605		
108	73.0	61.4	92.2	
77	63.9	50.5	75.7	

Instrument :
BNA_F
ClientSampleId :
PB86781BS

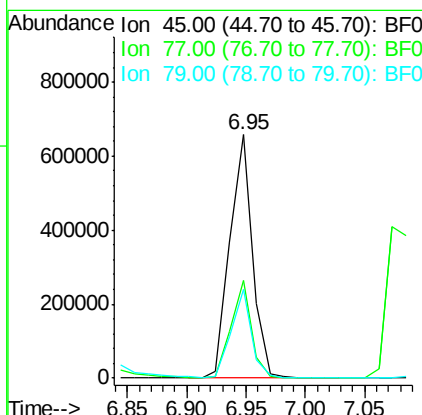
Manual Integrations
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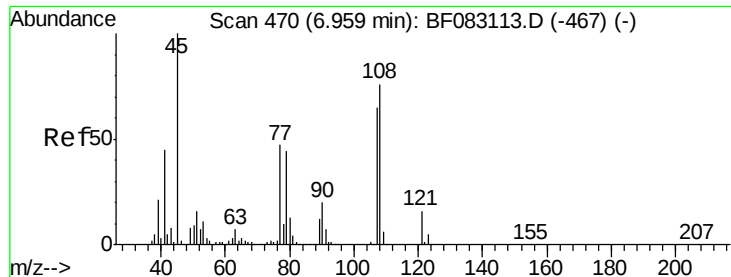
Mmdadoda
11/23/2015 7:01:32 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.43 ng
RT: 6.95 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	867711		
77	39.9	26.7	66.7	
79	36.6	24.3	64.3	





#17

2-Methylphenol

Concen: 33.53 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

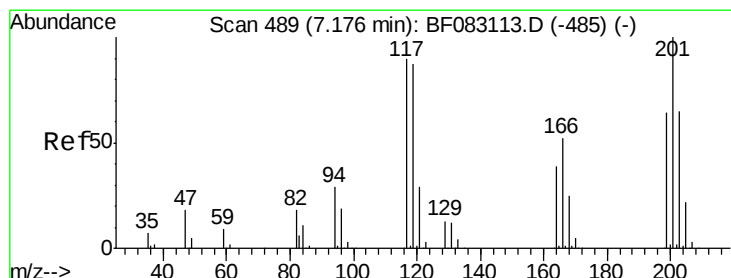
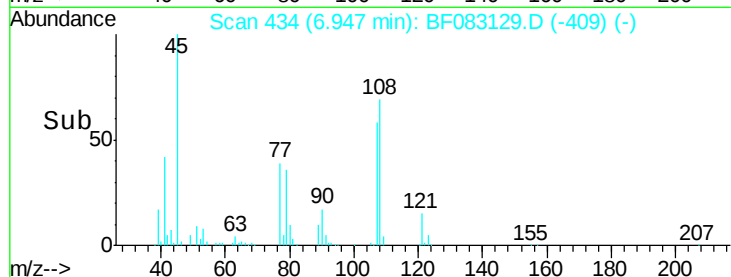
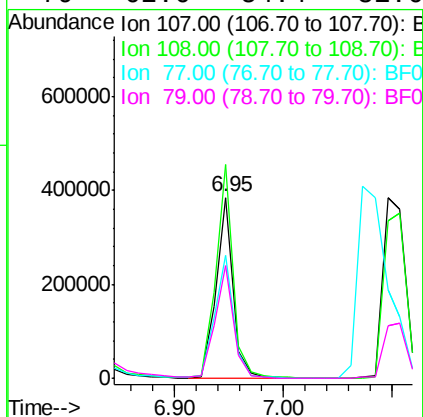
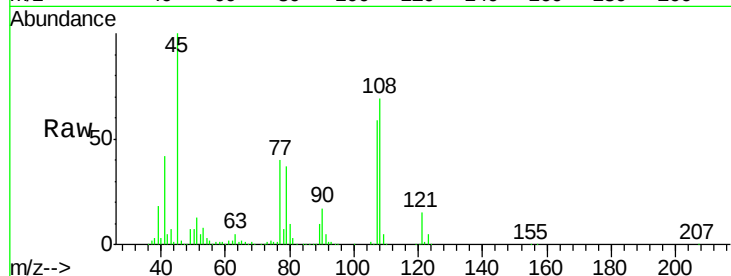
ClientSampleId :

PB86781BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	421312		
108	108	118.1	93.8	140.6	
77	77	68.1	57.4	86.0	
79	79	62.6	54.4	81.6	

Manual Integrations
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#18

Hexachloroethane

Concen: 32.72 ng

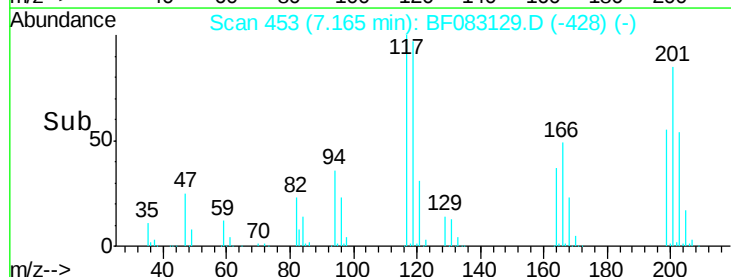
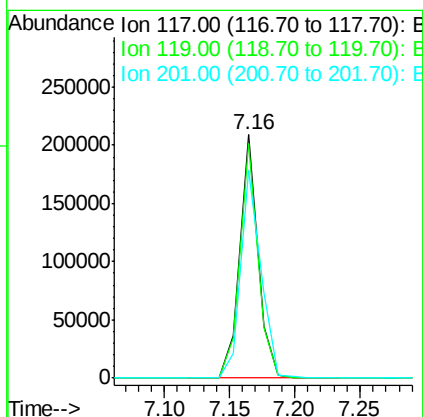
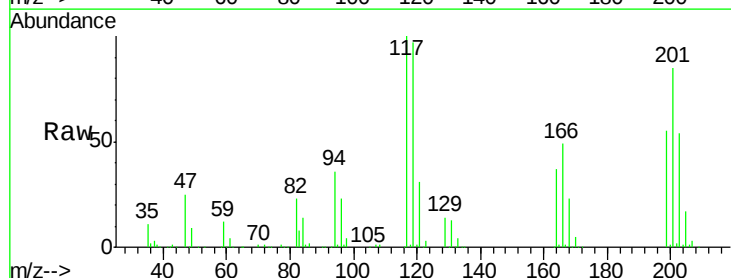
RT: 7.16 min Scan# 453

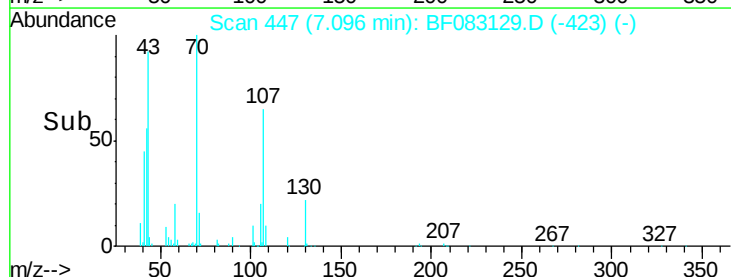
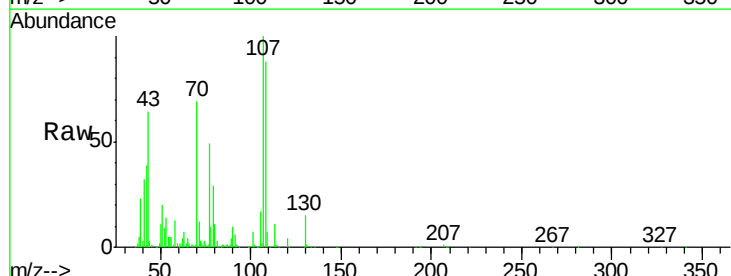
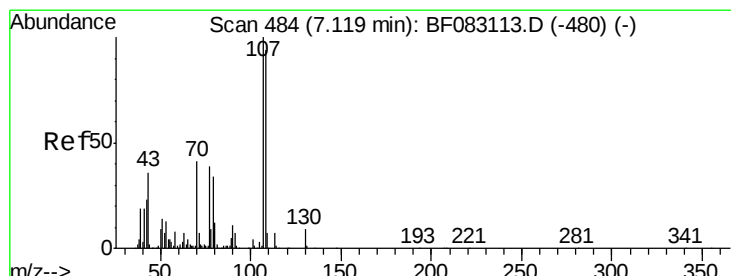
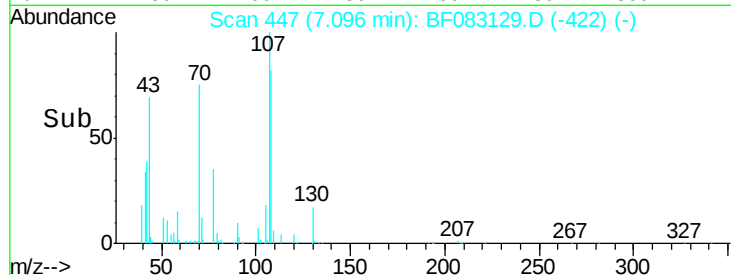
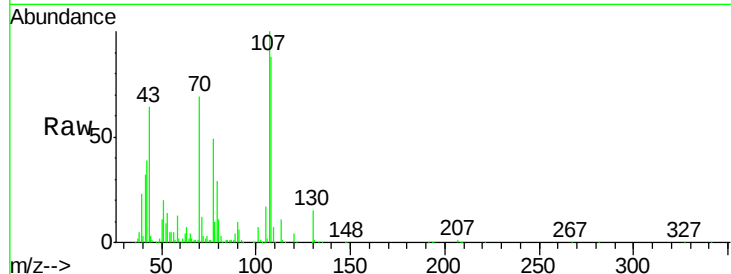
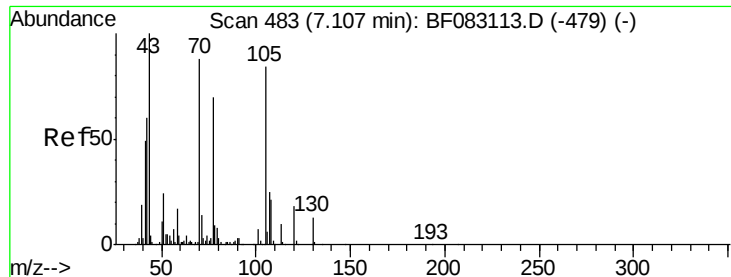
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	202120		
119	119	96.5	76.8	115.2	
201	201	85.4	88.6	133.0	#





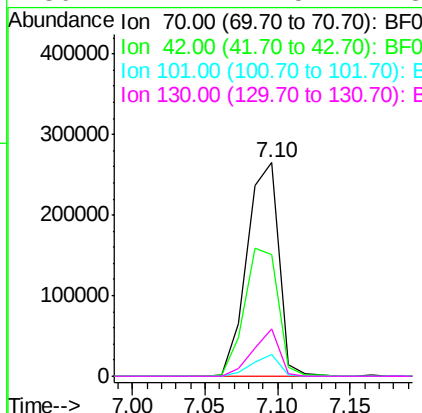
#19
n-Nitroso-di-n-propylamine
Concen: 31.82 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	57.1	54.5	81.7		
101	10.0	6.6	9.8		
130	22.1	11.5	17.3		

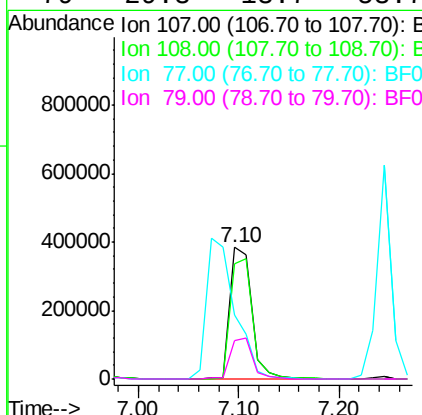
Manual Integrations
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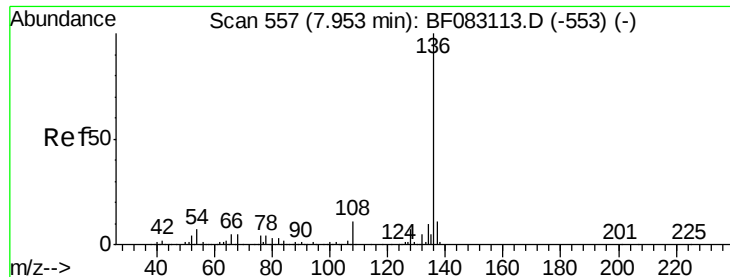
Mmdadoda
11/23/2015 7:01:32 PM



#20
3+4-Methylphenols
Concen: 36.19 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.5	73.8	113.8		
77	48.8	19.1	59.1		
79	29.3	13.7	53.7		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

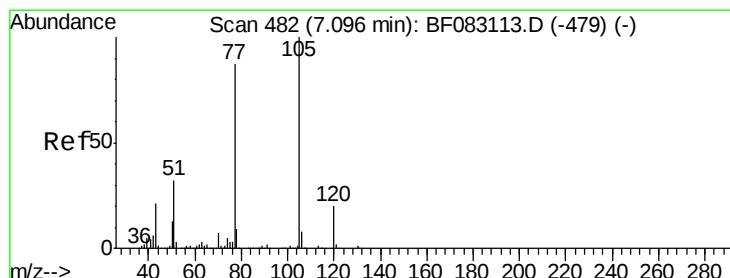
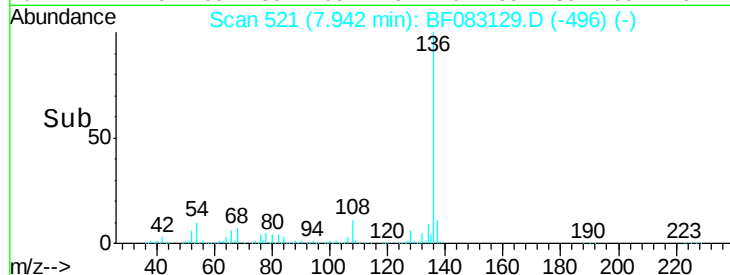
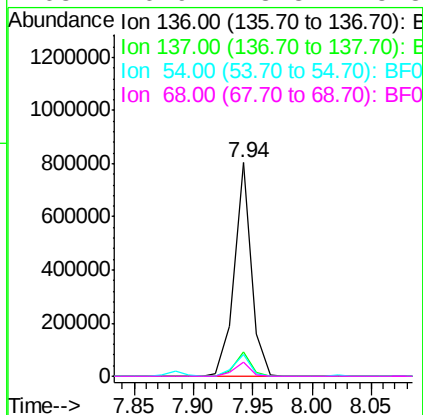
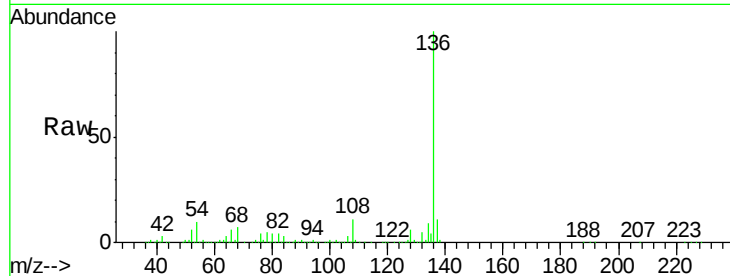
ClientSampleId :

PB86781BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		804603		
137	11.4	8.7	13.1		
54	10.1	5.8	8.6#		
68	6.9	3.8	5.8#		

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#22

Acetophenone

Concen: 31.89 ng

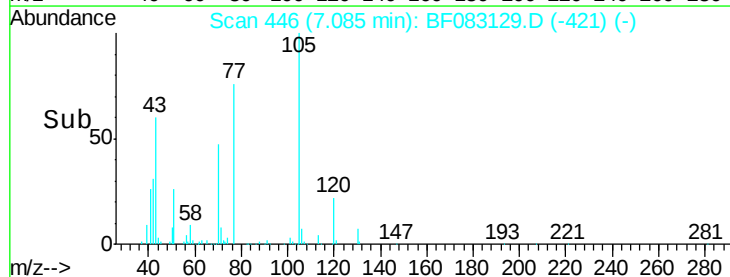
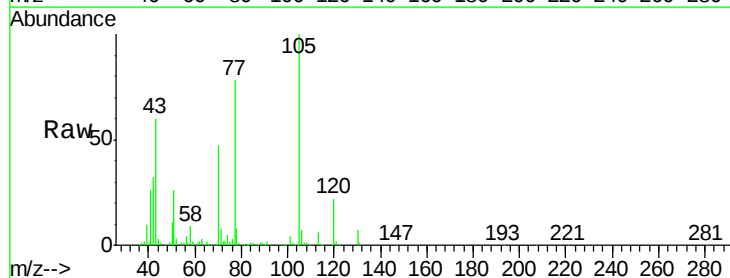
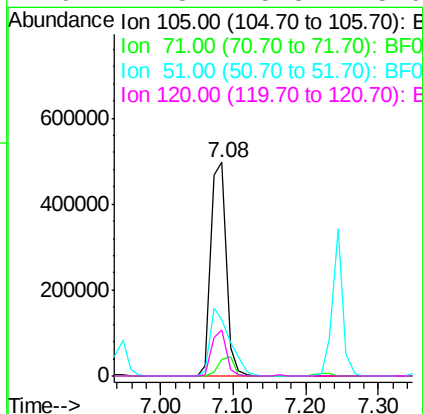
RT: 7.08 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		736590		
71	8.1	1.0	1.4#		
51	26.4	25.6	38.4		
120	21.8	15.8	23.6		





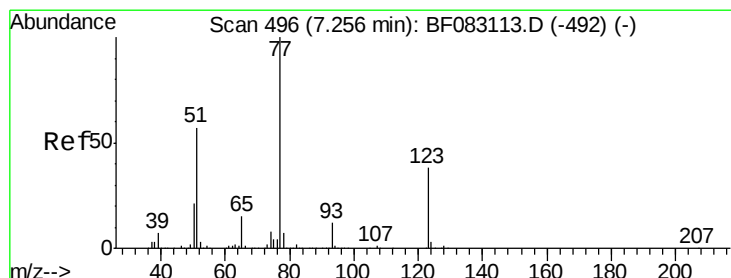
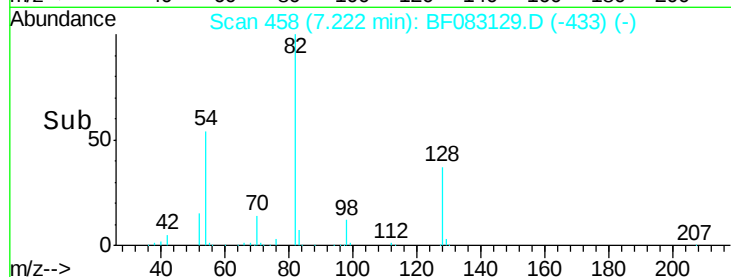
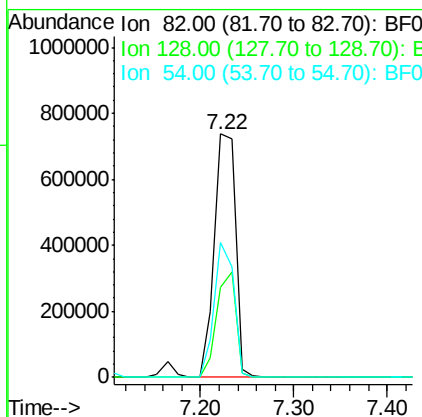
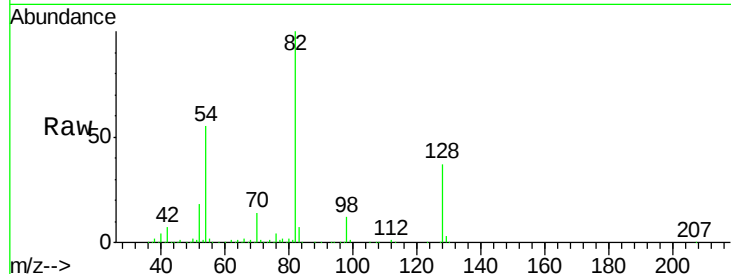
#23
Nitrobenzene-d5
Concen: 65.85 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	82	Resp	1159499
Ion Ratio	100	Lower	Upper
82	100		
128	36.9	28.5	42.7
54	55.1	44.6	67.0

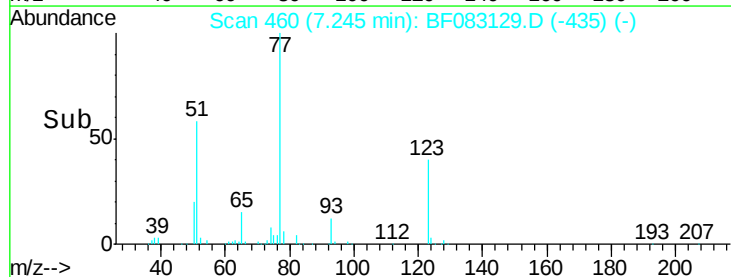
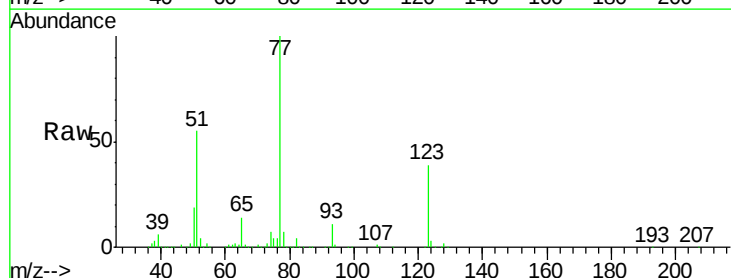
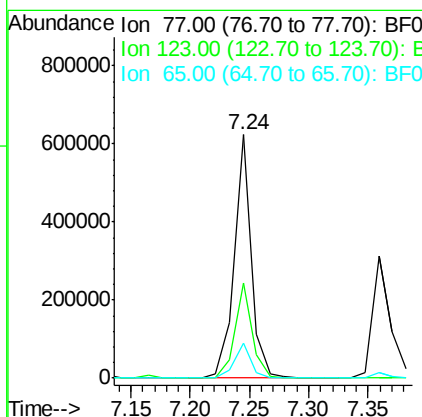
Manual Integrations
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11/23/2015 7:01:32 PM



#24
Nitrobenzene
Concen: 32.84 ng
RT: 7.24 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	77	Resp	617791
Ion Ratio	100	Lower	Upper
77	100		
123	39.1	30.1	45.1
65	14.4	11.6	17.4





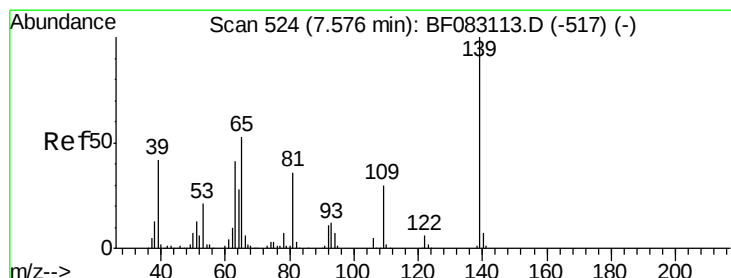
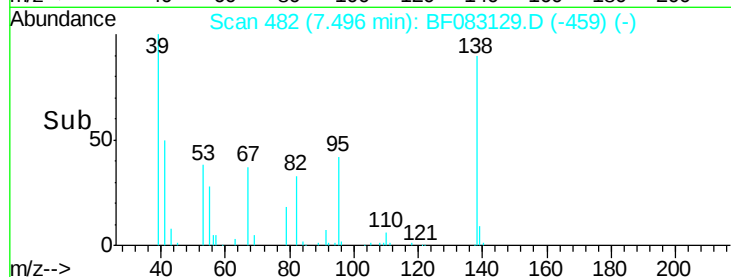
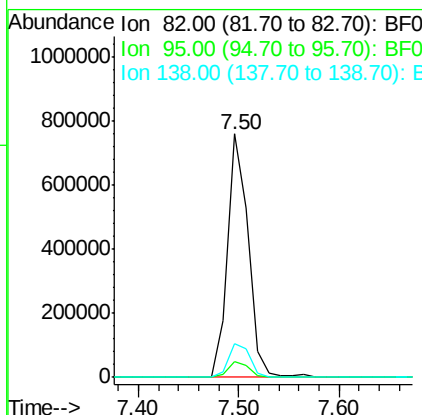
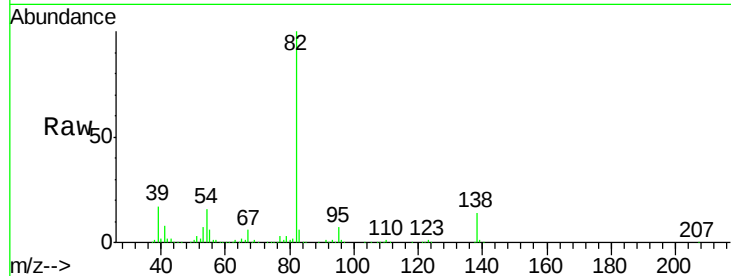
#25
Isophorone
Concen: 32.58 ng
RT: 7.50 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion: 82 Resp: 1086343
Ion Ratio Lower Upper
82 100
95 6.5 5.8 8.8
138 13.8 11.6 17.4

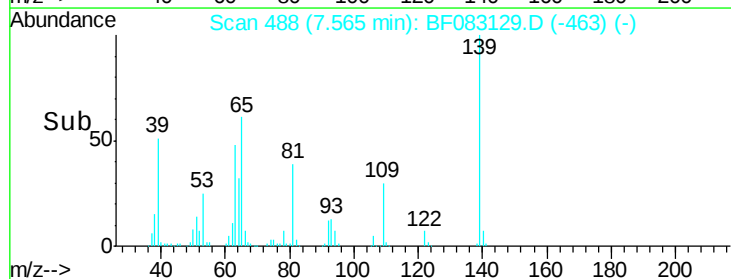
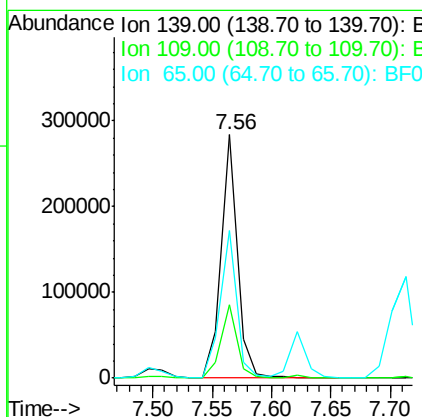
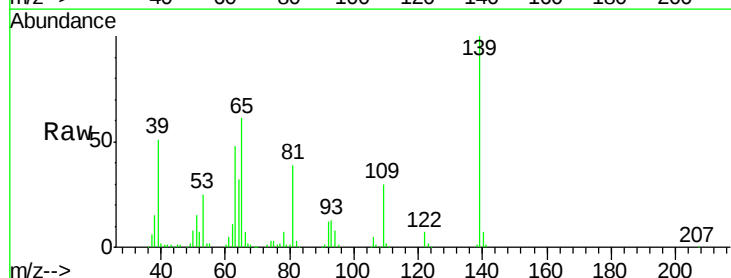
Manual Integrations
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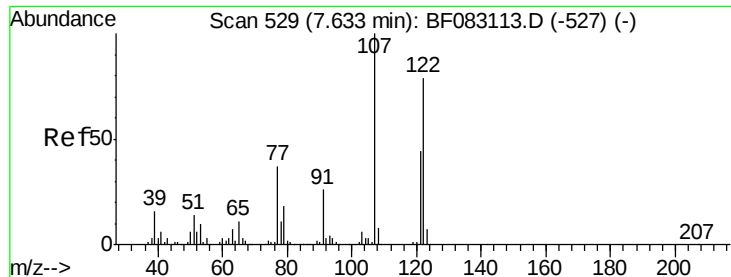
Mmdadoda
11/23/2015 7:01:32 PM



#26
2-Nitrophenol
Concen: 32.48 ng
RT: 7.56 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion: 139 Resp: 269816
Ion Ratio Lower Upper
139 100
109 29.9 23.9 35.9
65 60.8 42.7 64.1





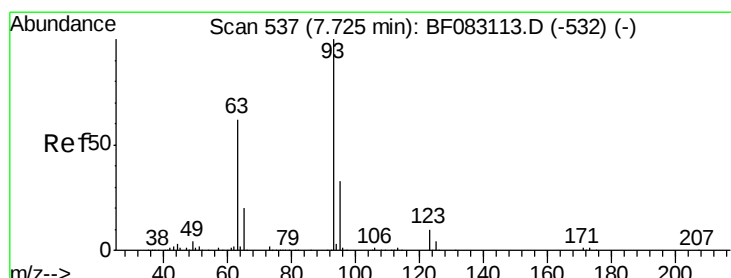
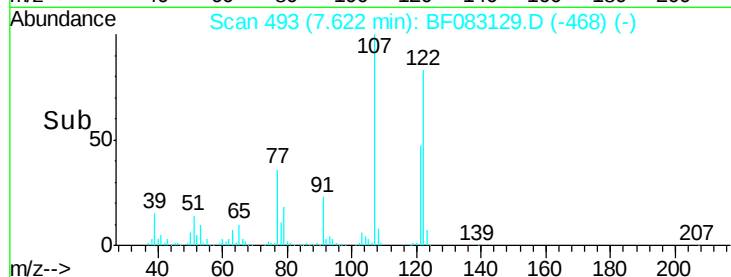
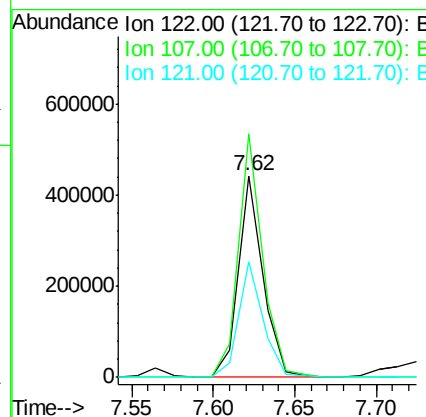
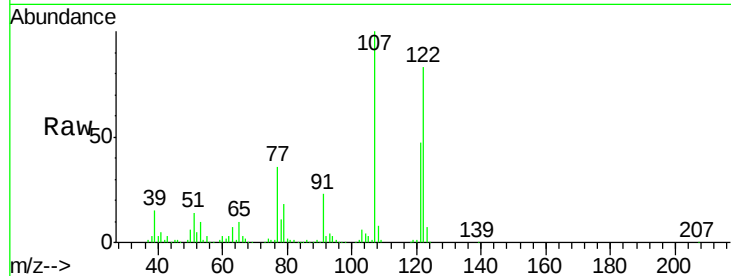
#27
 2,4-Dimethylphenol
 Concen: 34.48 ng
 RT: 7.62 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.7	101.1	151.7
121	57.2	44.9	67.3

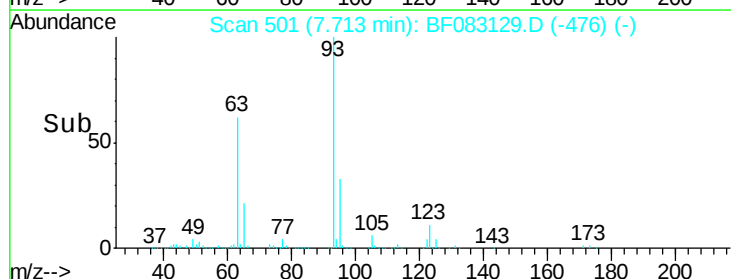
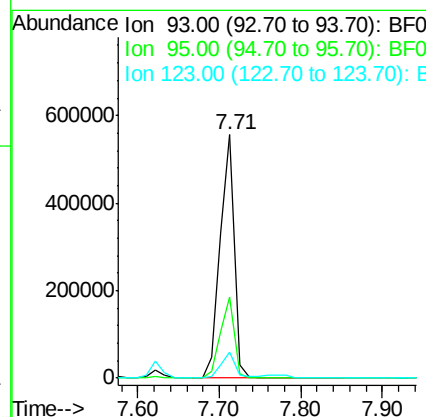
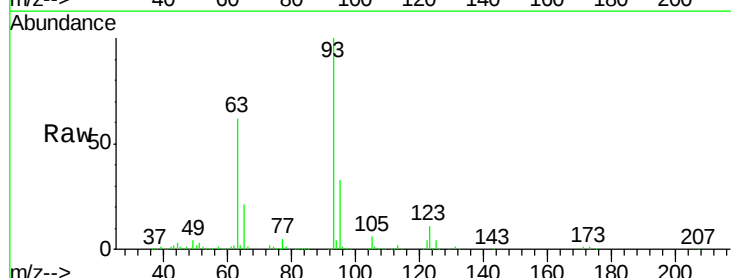
Manual Integrations
 APPROVED

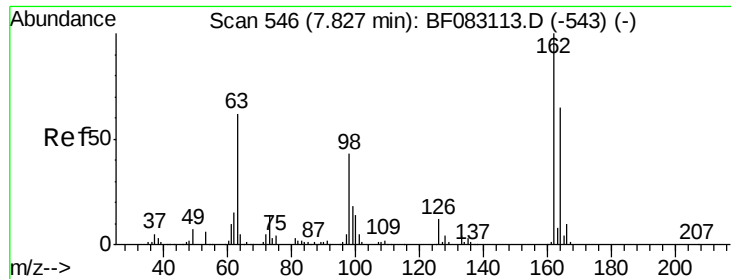
Mmdadoda
 11/23/2015 7:01:32 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 34.60 ng
 RT: 7.71 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.5	39.7
123	10.8	8.1	12.1





#29

2,4-Dichlorophenol

Concen: 36.35 ng

RT: 7.82 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

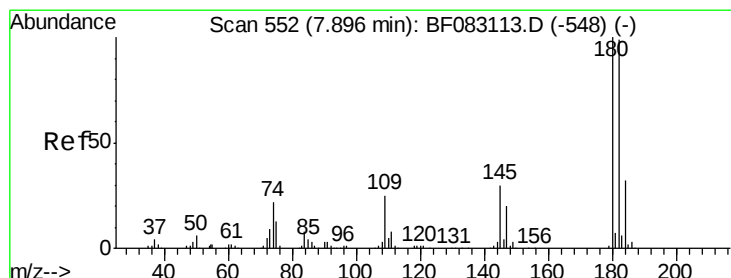
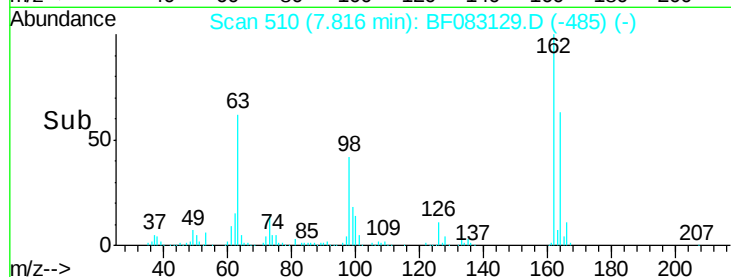
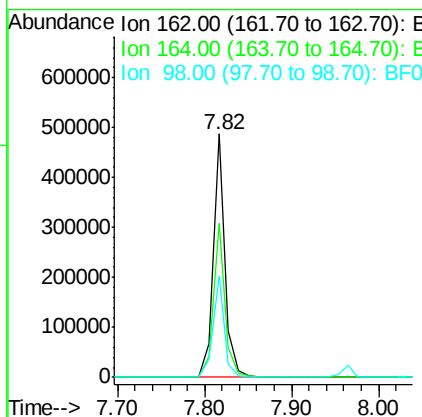
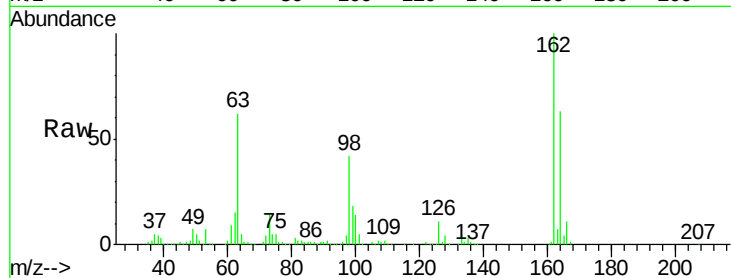
ClientSampleId :

PB86781BS

Manual Integrations
APPROVED

Mmdadoda
11/23/2015 7:01:32 PM

Tot Ion:	162	Resp:	458302
Ion Ratio	Lower	Upper	
162	100		
164	63.1	44.8	84.8
98	41.8	23.1	63.1



#30

1,2,4-Trichlorobenzene

Concen: 31.97 ng

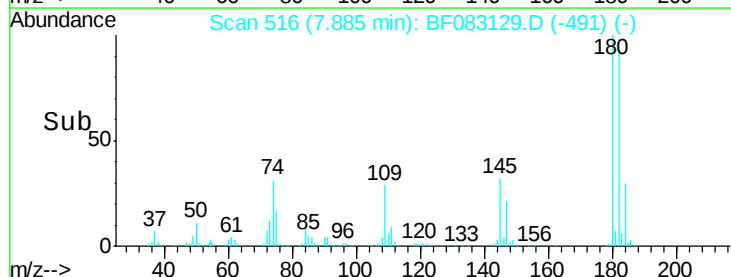
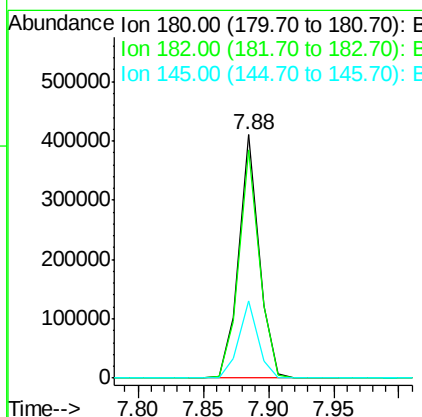
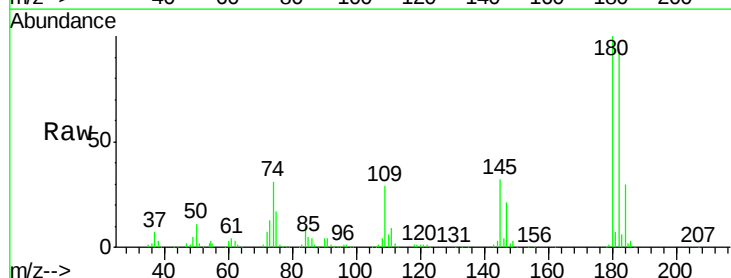
RT: 7.88 min Scan# 516

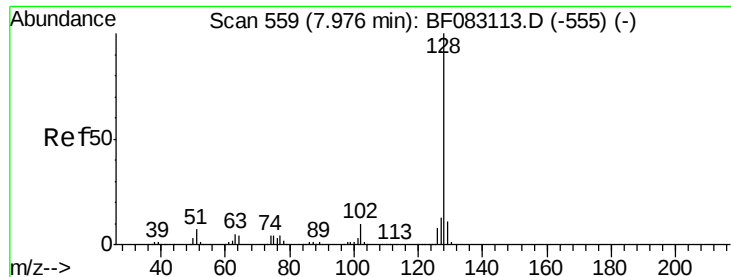
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	180	Resp:	442793
Ion Ratio	Lower	Upper	
180	100		
182	93.9	79.0	118.6
145	31.8	24.2	36.2





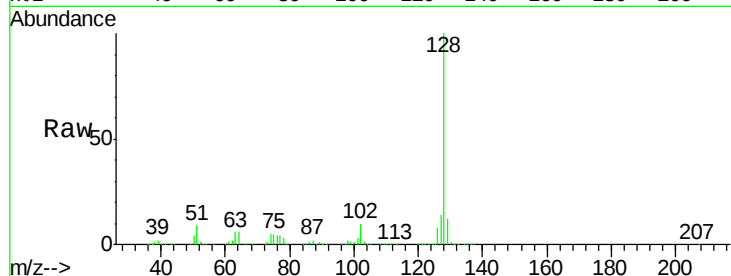
#31
Naphthalene
Concen: 33.14 ng
RT: 7.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.4
127	13.9	10.6	15.8

Manual Integrations
APPROVED

Mmdadoda
11/23/2015 7:01:32 PM

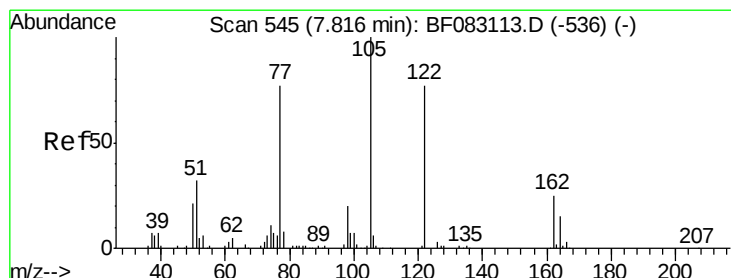
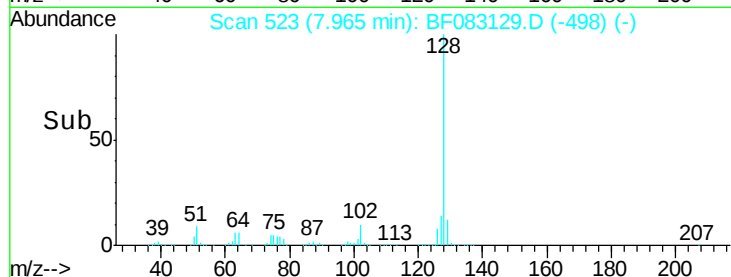
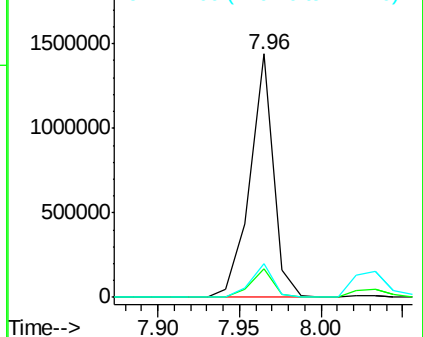


Abundance

Ion 128.00 (127.70 to 128.70): E

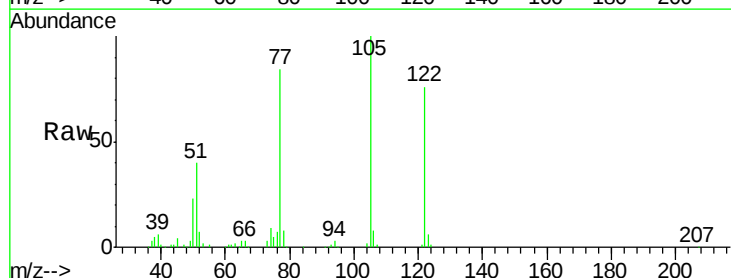
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 32.62 ng
RT: 7.78 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	130.8	109.7	149.7
77	109.5	79.7	119.7

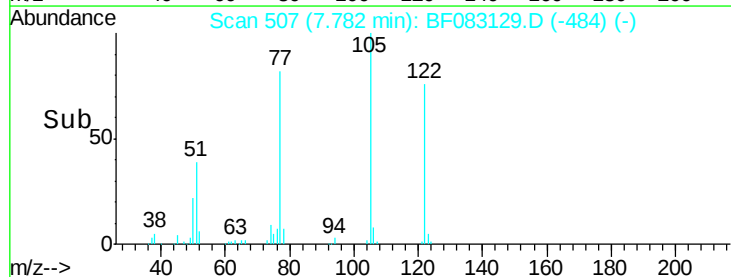
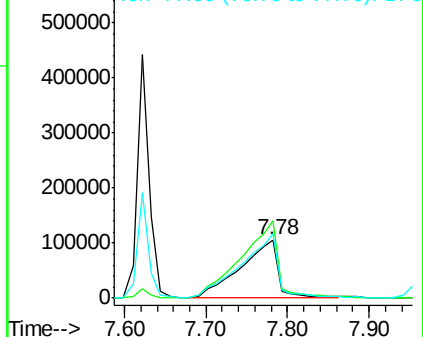


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





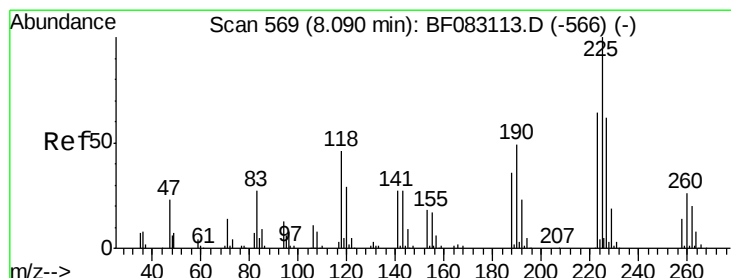
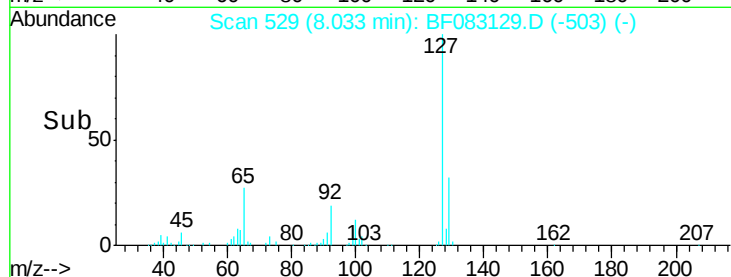
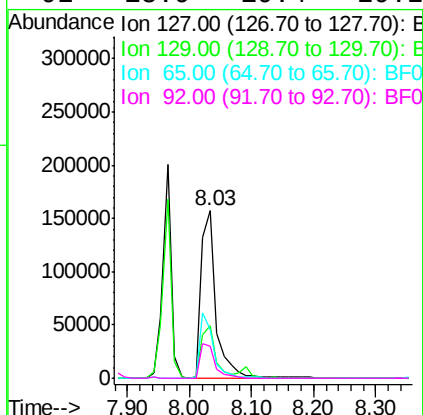
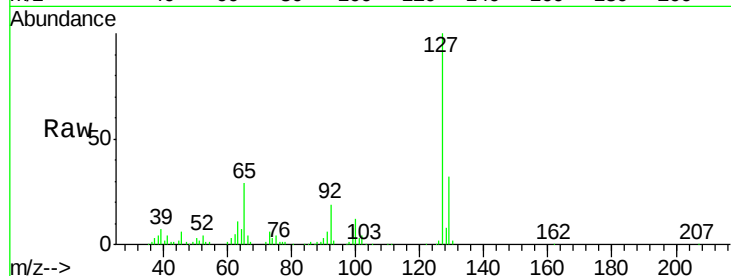
#33
4-Chloroaniline
Concen: 15.70 ng
RT: 8.03 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.7	25.7	38.5		
65	29.2	35.5	53.3		
92	18.9	19.4	29.2		

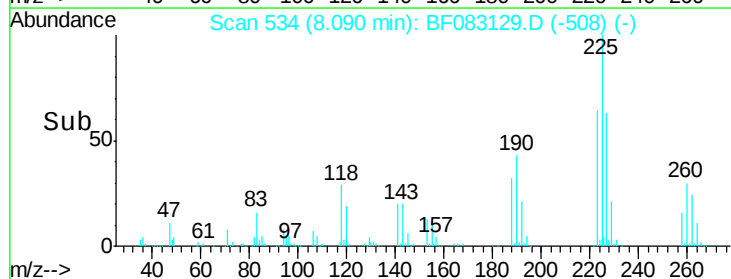
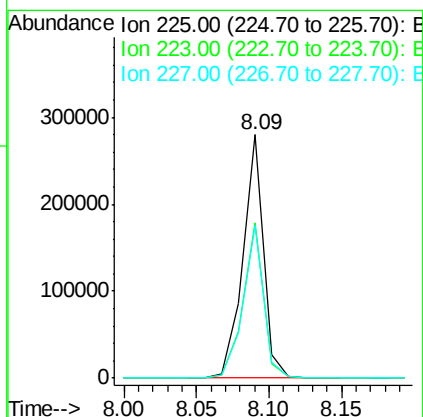
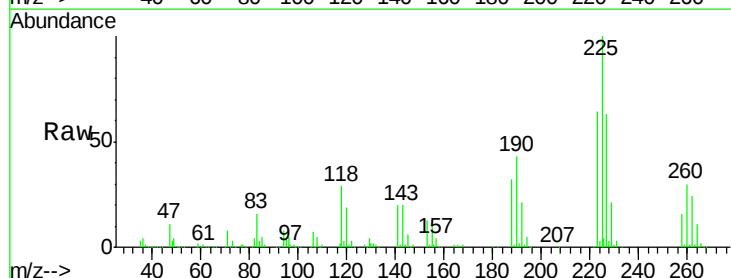
Manual Integrations
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11/23/2015 7:01:32 PM



#34
Hexachlorobutadiene
Concen: 33.55 ng
RT: 8.09 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	51.3	76.9		
227	62.7	49.8	74.8		





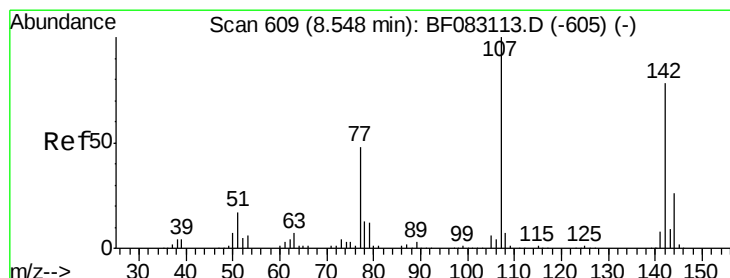
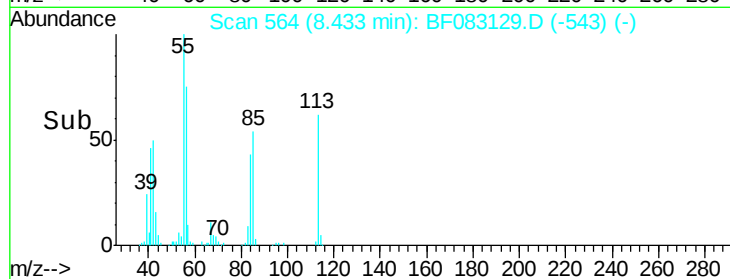
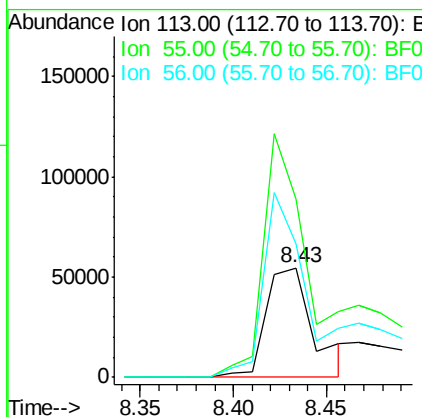
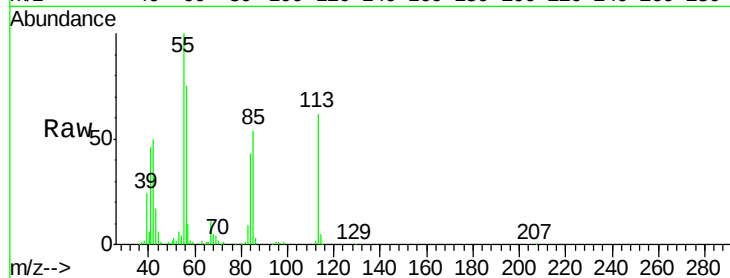
#35
Caprolactam
Concen: 24.01 ng
RT: 8.43 min Scan# 564
Delta R.T. -0.06 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion:113 Resp: 97017
Ion Ratio Lower Upper
113 100
55 161.9 192.6 232.6#
56 122.1 148.6 188.6#

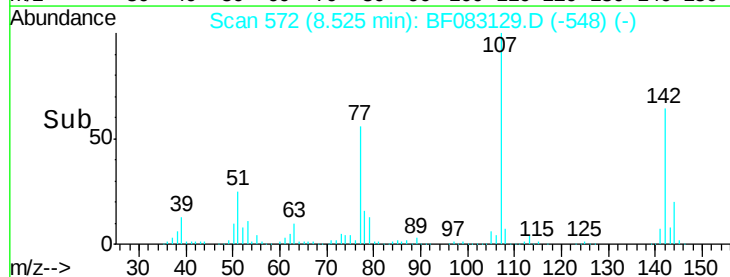
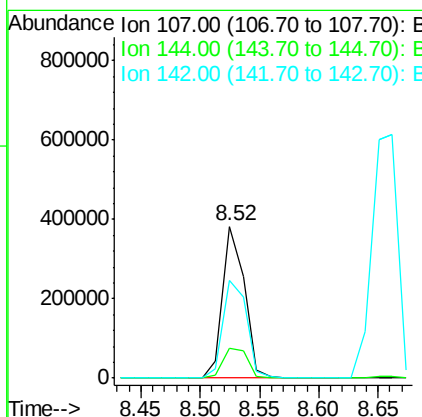
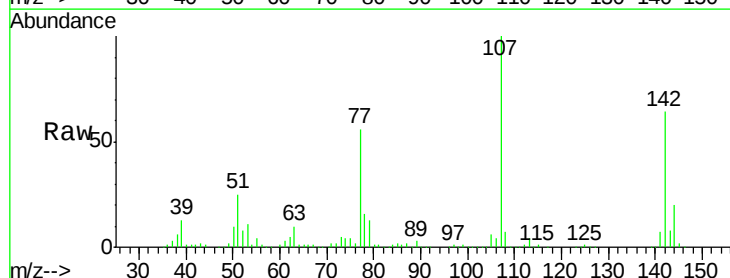
Manual Integrations
APPROVED

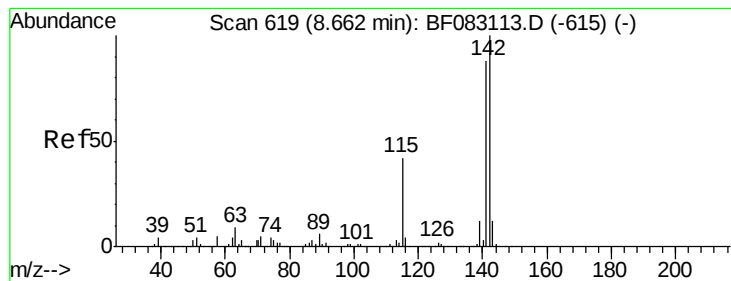
Mmdadoda
11/23/2015 7:01:32 PM



#36
4-Chloro-3-methylphenol
Concen: 33.50 ng
RT: 8.52 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion:107 Resp: 489188
Ion Ratio Lower Upper
107 100
144 19.9 20.8 31.2#
142 64.0 62.1 93.1





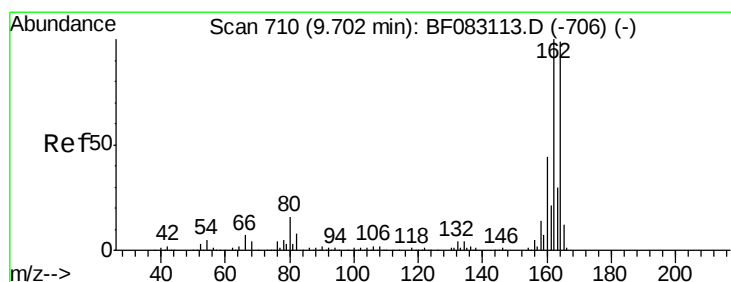
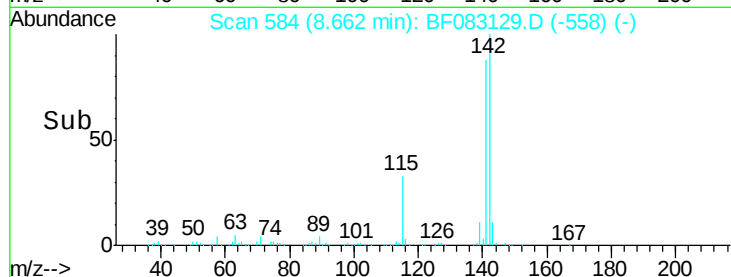
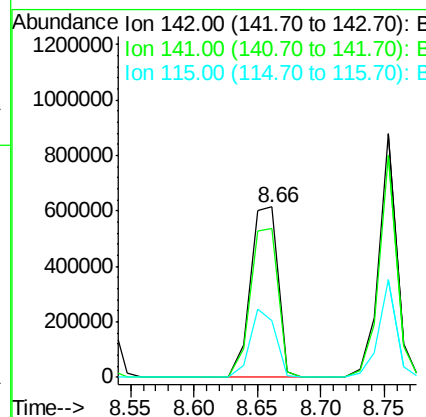
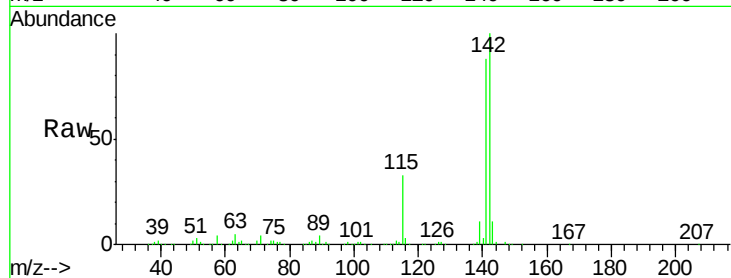
#37
2-Methylnaphthalene
Concen: 33.14 ng m
RT: 8.66 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.3	105.5
115	33.3	33.4	50.2

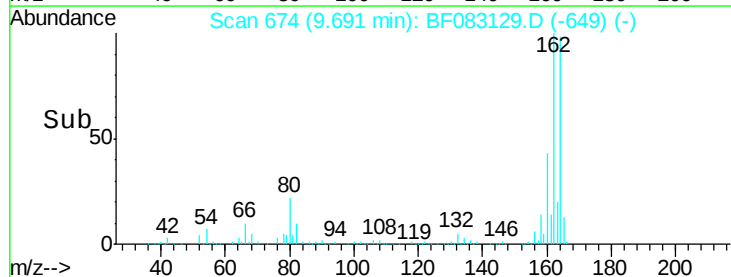
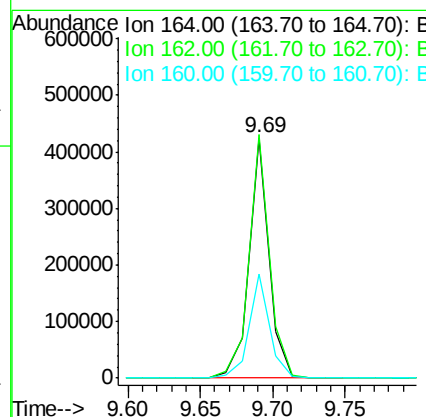
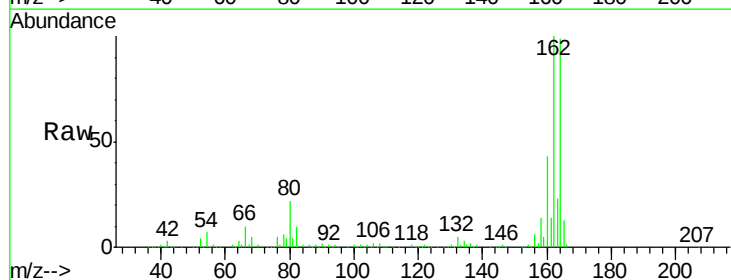
Manual Integrations
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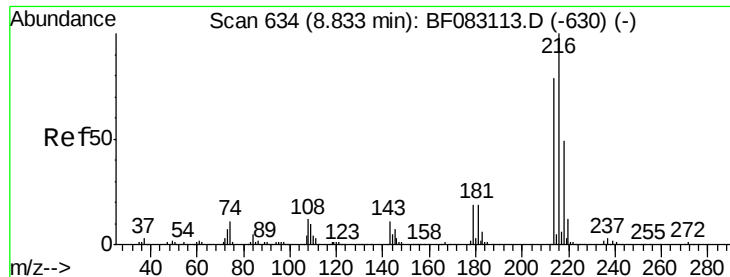
Mmdadoda
11/23/2015 7:01:32 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.2	121.8
160	43.3	35.6	53.4





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.50 ng

RT: 8.82 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

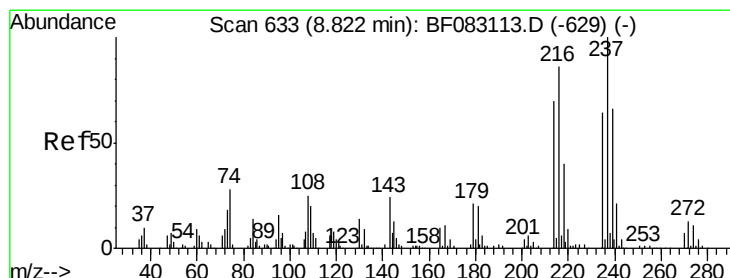
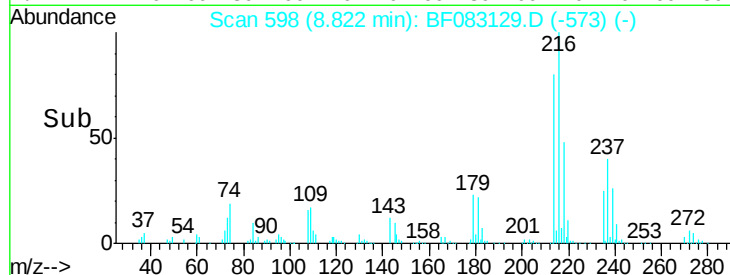
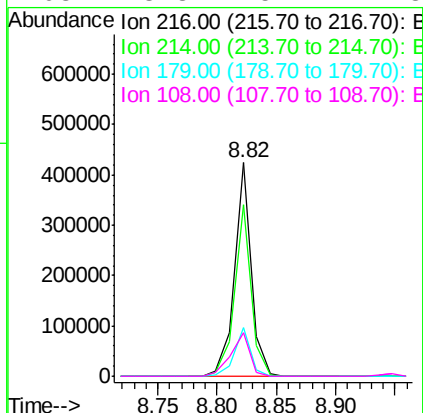
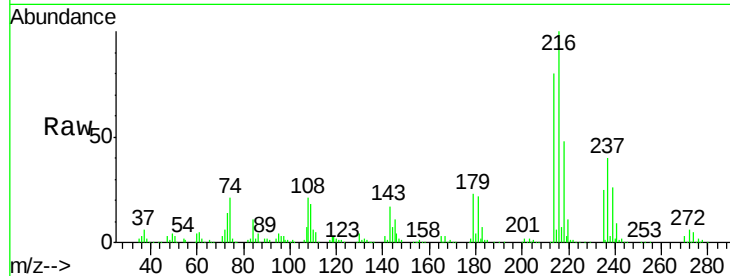
ClientSampleId :

PB86781BS

Manual Integrations
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Mmdadoda
11/23/2015 7:01:32 PM

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		414451		
214	79.8	63.8	95.8		
179	22.1	17.0	25.6		
108	23.3	15.2	22.8#		



#40

Hexachlorocyclopentadiene

Concen: 63.57 ng

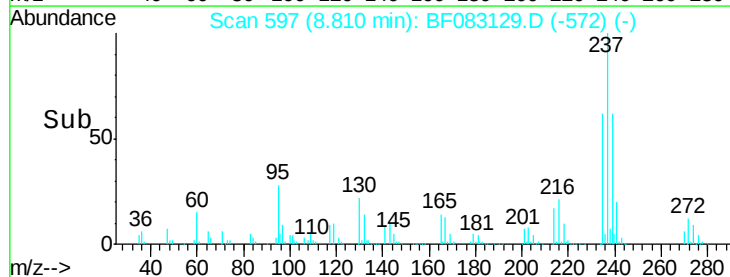
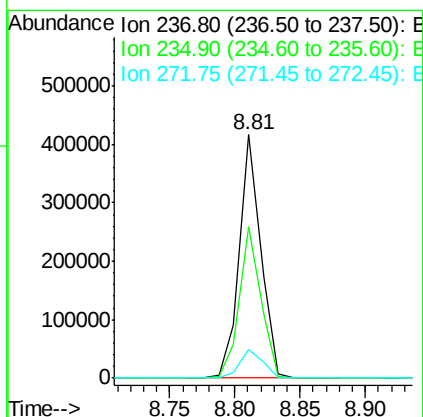
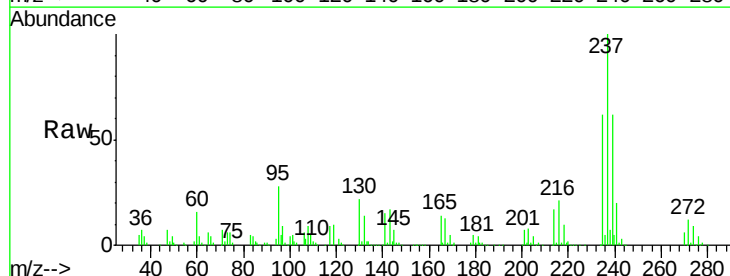
RT: 8.81 min Scan# 597

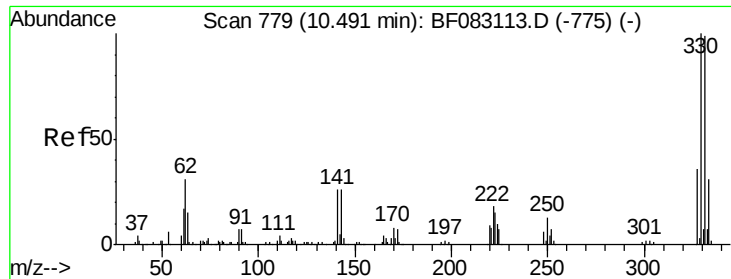
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		475607		
235	62.2	43.5	83.5		
272	11.6	0.0	33.1		





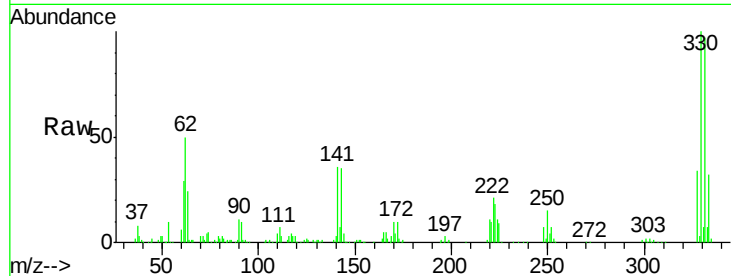
#41
 2,4,6-Tribromophenol
 Concen: 67.44 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	280065		
332	96.4		77.7	116.5
141	39.9		29.7	44.5

Manual Integrations
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Mmdadoda
 11/23/2015 7:01:32 PM

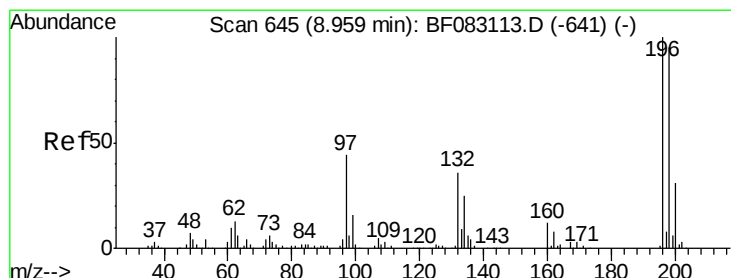
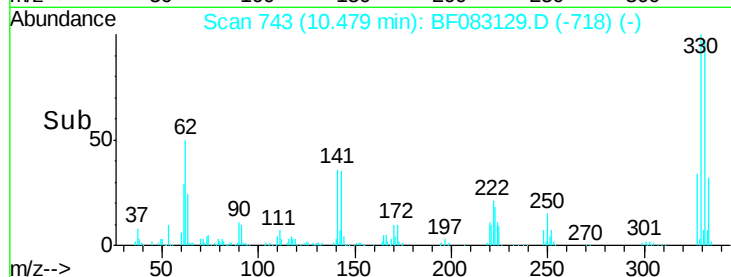
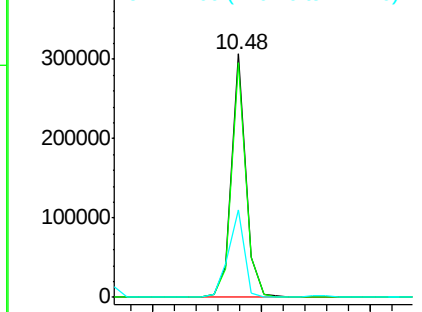


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 34.16 ng
 RT: 8.95 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

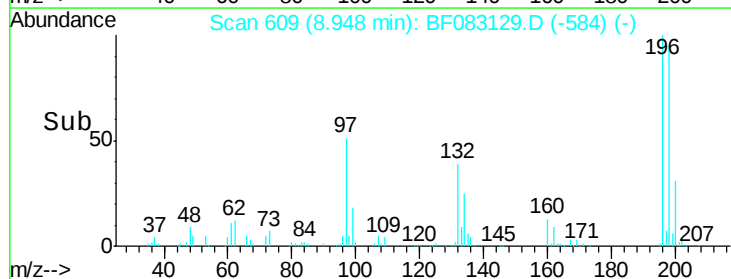
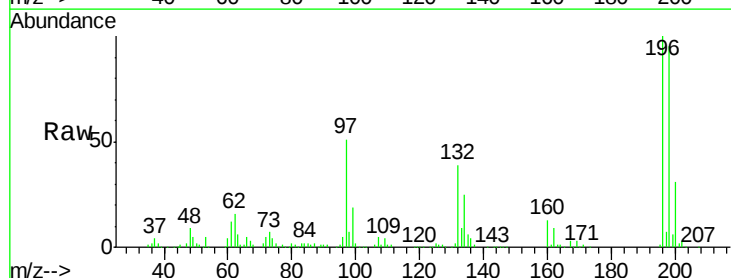
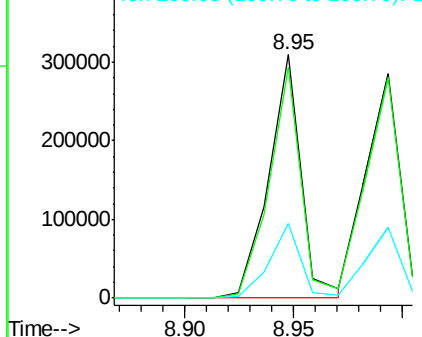
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	321916		
198	94.7		75.9	113.9
200	30.8		24.5	36.7

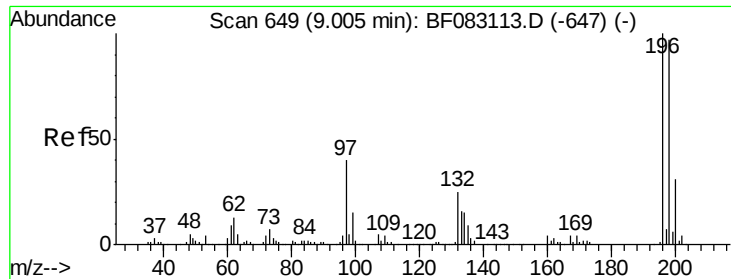
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





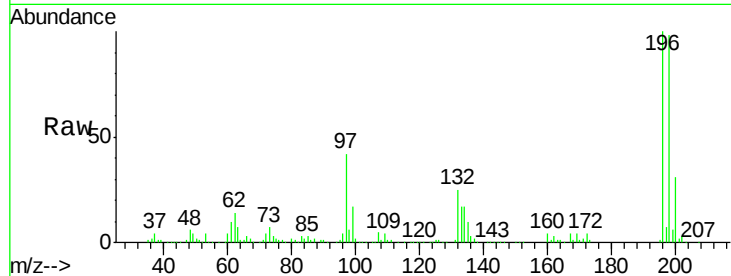
#43
 2,4,5-Trichlorophenol
 Concen: 33.11 ng
 RT: 8.99 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

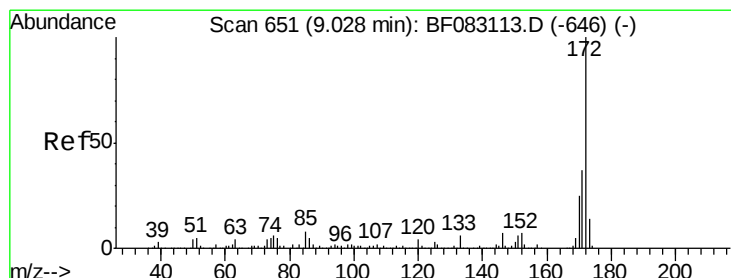
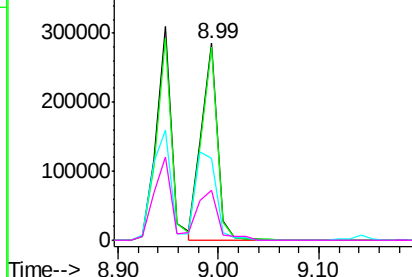
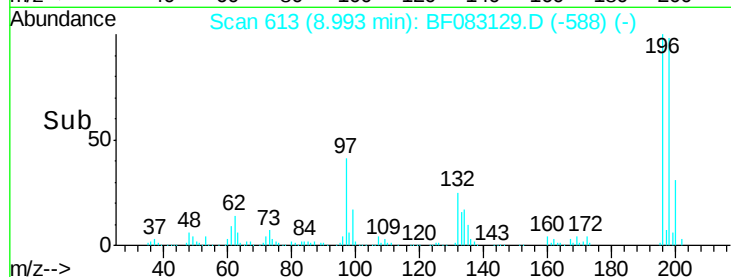
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		318977		
198	98.5	77.6	116.4		
97	41.5	32.6	48.8		
132	25.5	19.8	29.8		

Manual Integrations
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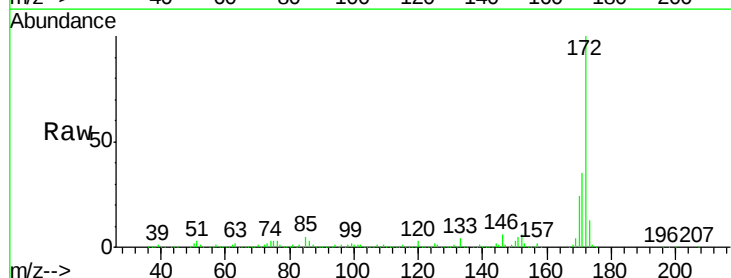


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

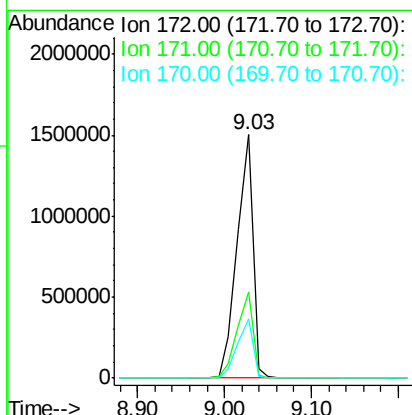
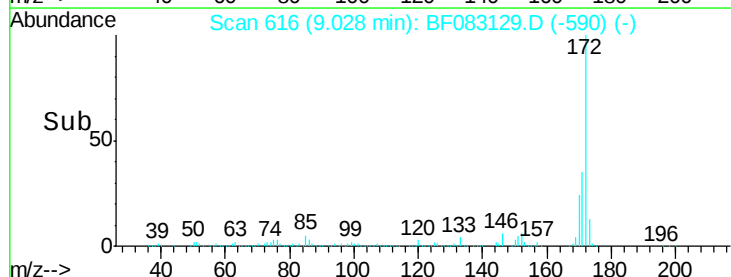


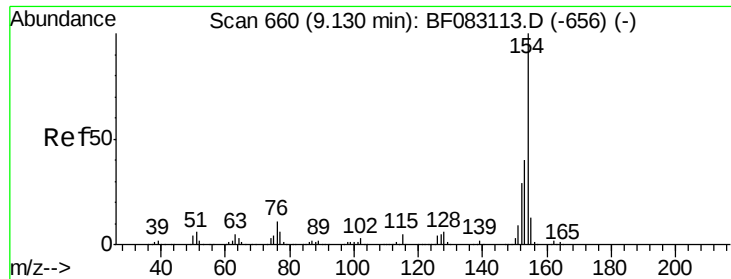
#44
 2-Fluorobiphenyl
 Concen: 64.96 ng
 RT: 9.03 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1890987		
171	35.4	29.5	44.3		
170	24.1	19.9	29.9		



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 32.20 ng

RT: 9.12 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:154 Resp: 1112460

Ion Ratio Lower Upper

154 100

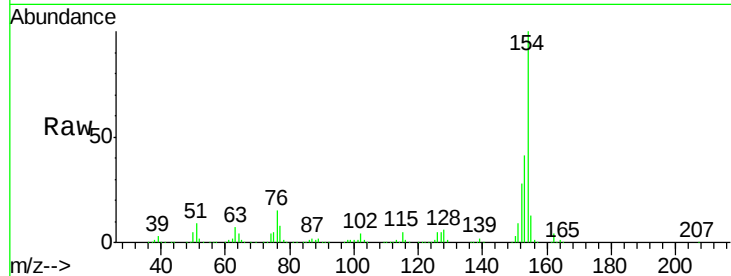
153 40.8 20.5 60.5

76 15.0 0.0 31.2

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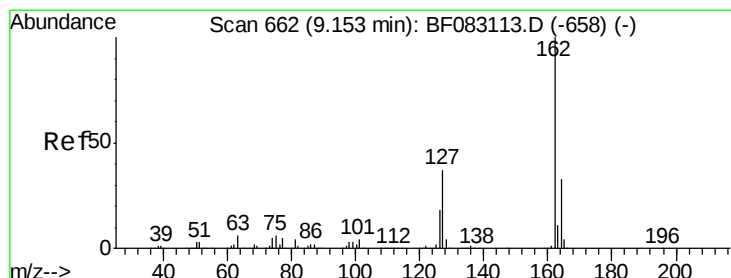
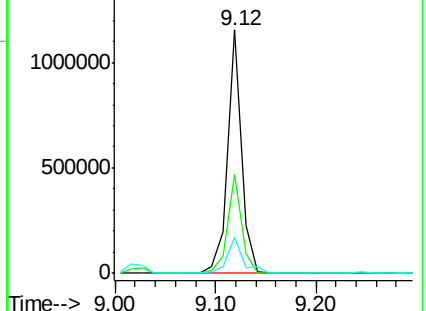
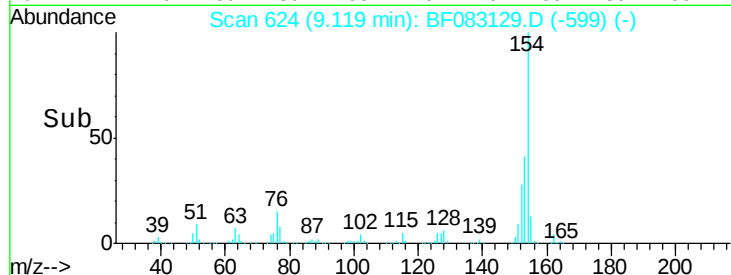
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 33.73 ng

RT: 9.14 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

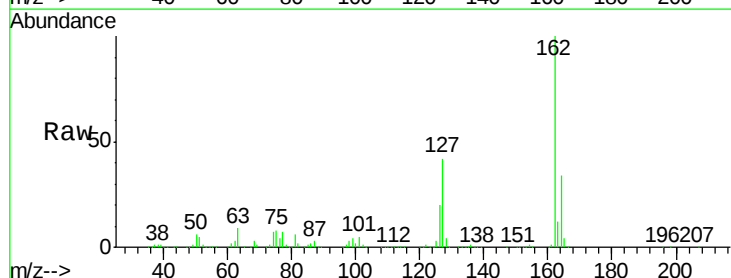
Tgt Ion:162 Resp: 915229

Ion Ratio Lower Upper

162 100

127 42.5 29.4 44.2

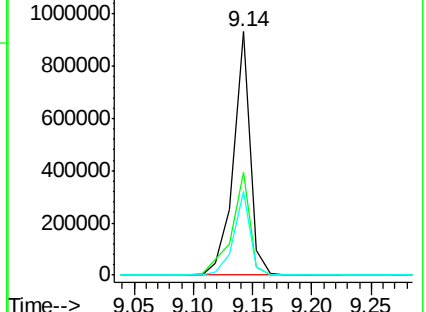
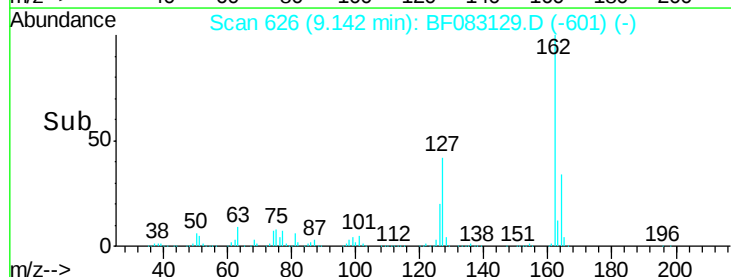
164 34.2 26.2 39.4

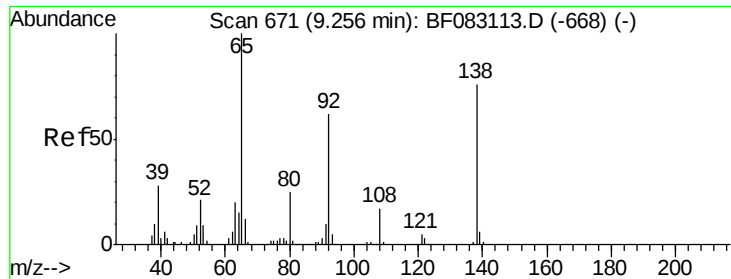


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 32.70 ng

RT: 9.24 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

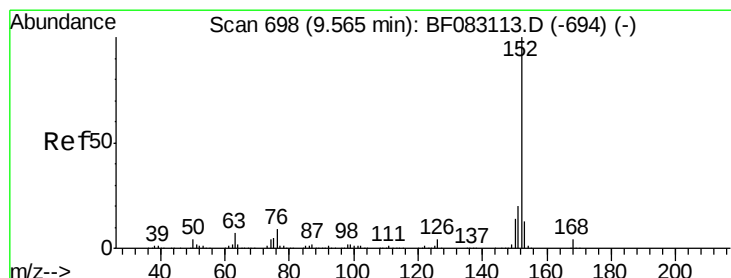
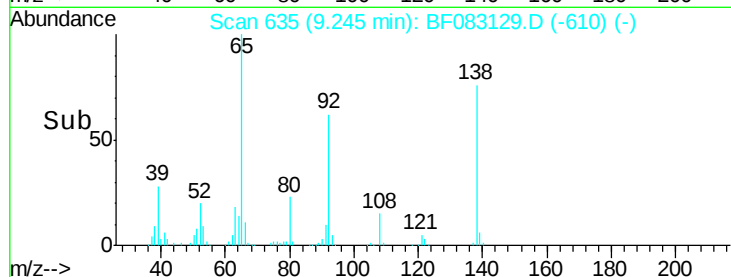
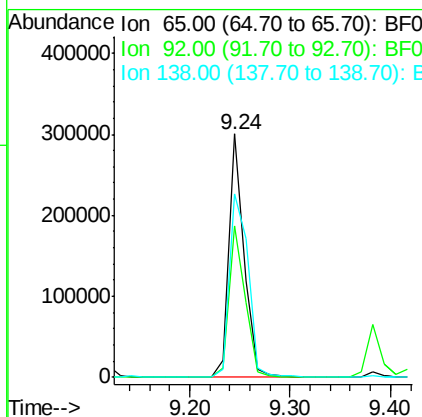
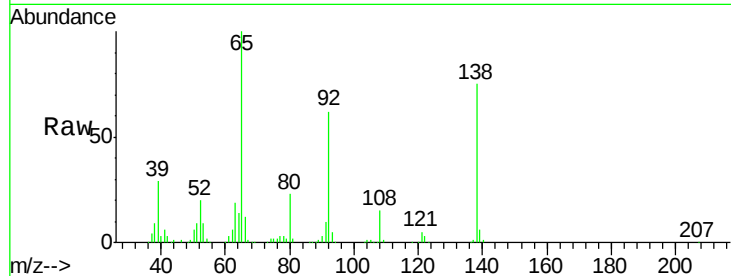
ClientSampleId :

PB86781BS

Tot Ion:	65	Resp:	313912
Ion Ratio	Lower	Upper	
65	100		
92	62.0	49.5	74.3
138	75.5	60.7	91.1

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#48

Acenaphthylene

Concen: 33.04 ng

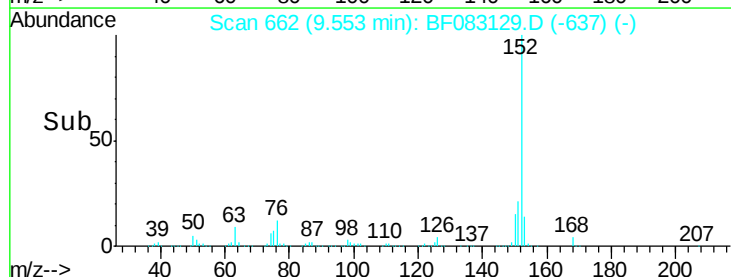
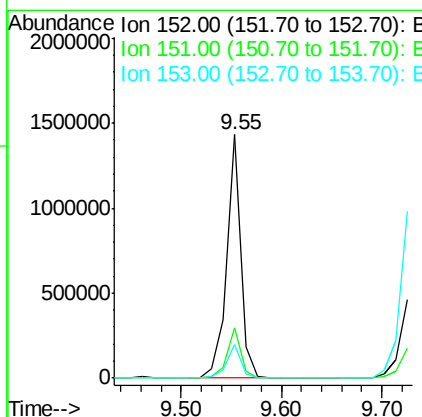
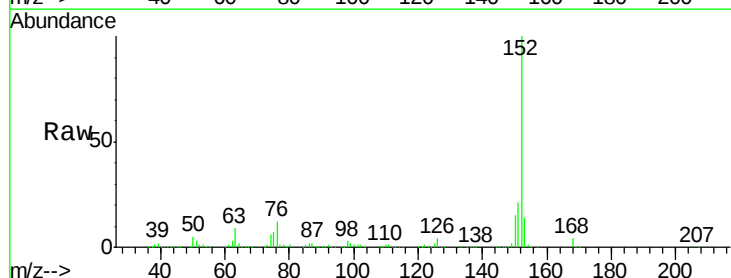
RT: 9.55 min Scan# 662

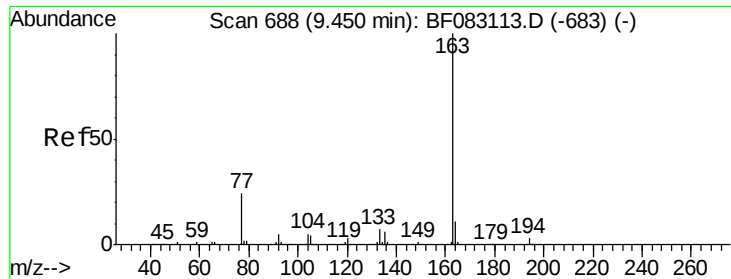
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	152	Resp:	1389456
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.7	10.8	16.2





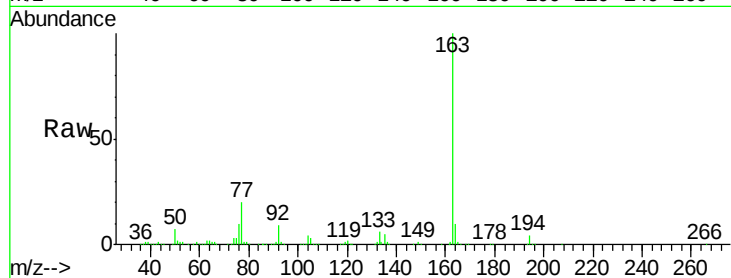
#49
Dimethylphthalate
Concen: 35.92 ng
RT: 9.44 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

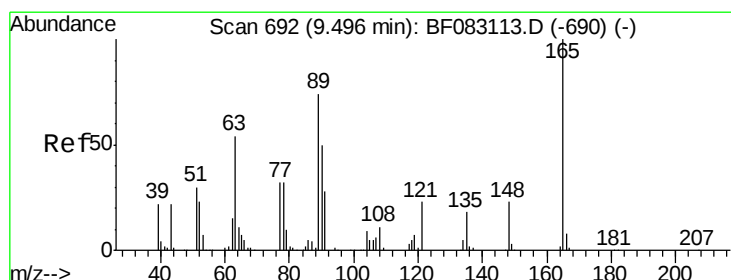
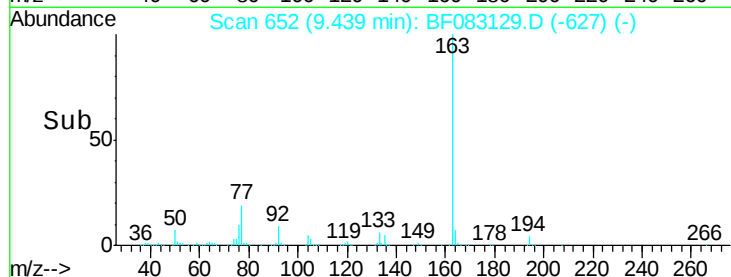
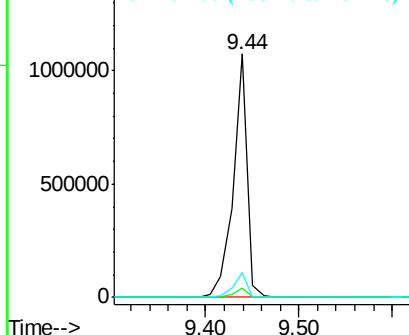
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.1	8.6	12.8

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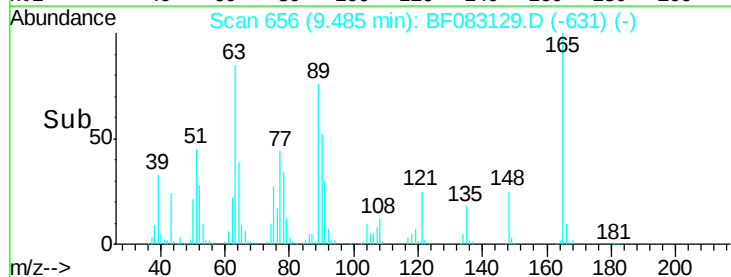
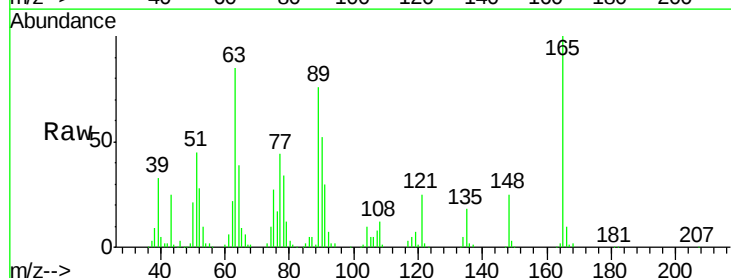
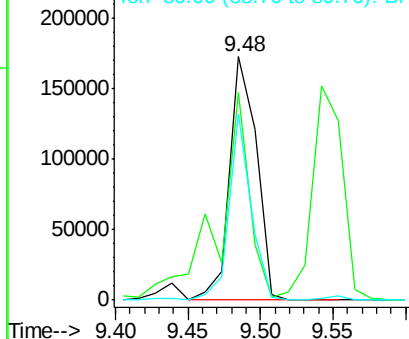
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

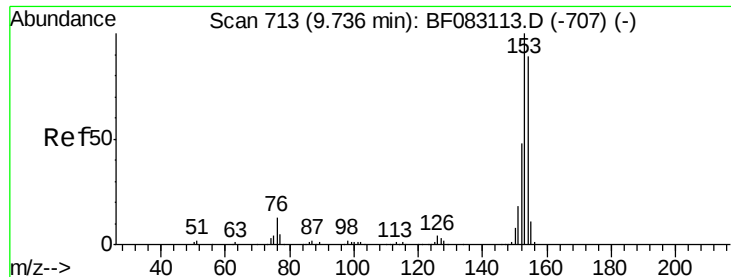


#50
2,6-Dinitrotoluene
Concen: 31.80 ng
RT: 9.48 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	85.4	62.5	93.7
89	76.4	59.1	88.7

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





#51

Acenaphthene

Concen: 33.08 ng

RT: 9.72 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

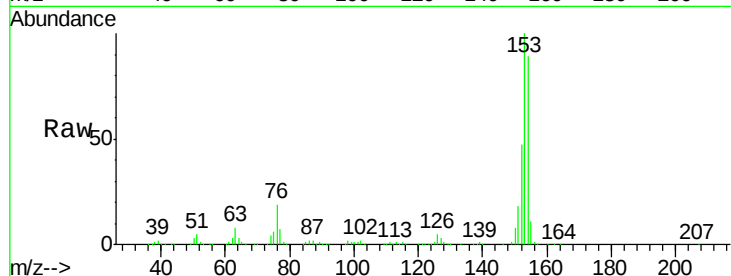
ClientSampleId :

PB86781BS

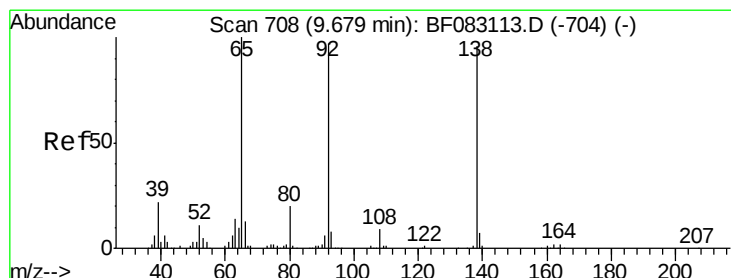
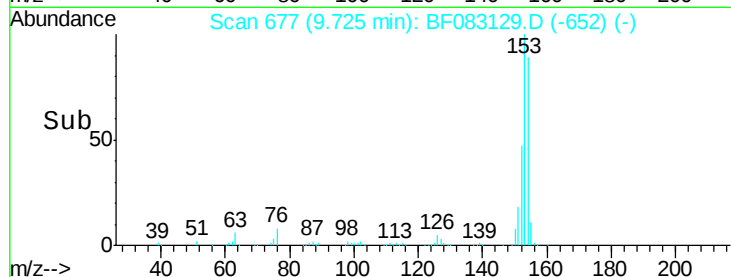
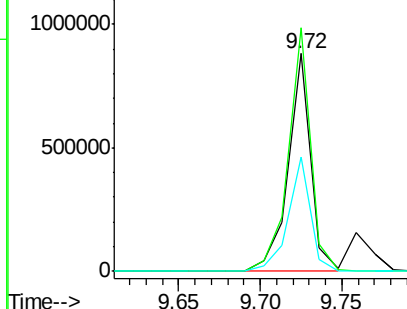
Manual Integrations
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Tot Ion:	154	Resp:	846668
Ion Ratio	Lower	Upper	
154	100		
153	111.8	89.6	134.4
152	52.7	43.3	64.9



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: 18.13 ng

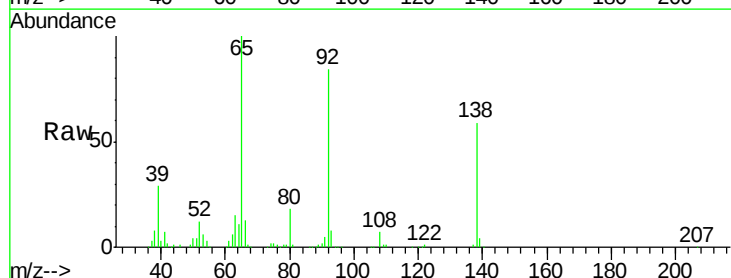
RT: 9.66 min Scan# 671

Delta R.T. -0.02 min

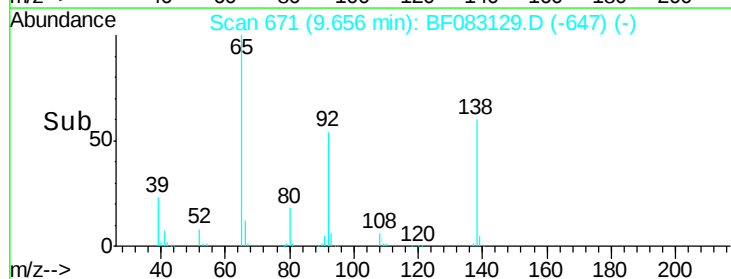
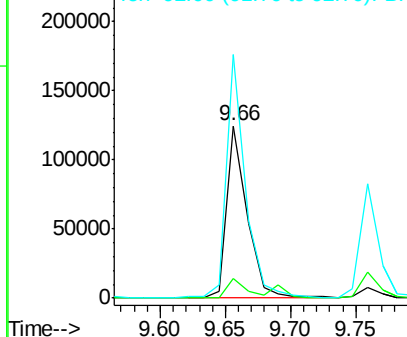
Lab File: BF083129.D

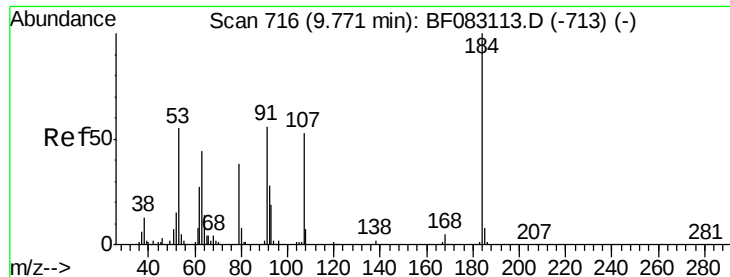
Acq: 22 Nov 2015 00:36

Tgt Ion:	138	Resp:	135558
Ion Ratio	Lower	Upper	
138	100		
108	11.4	7.8	11.6
92	141.5	81.1	121.7#



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





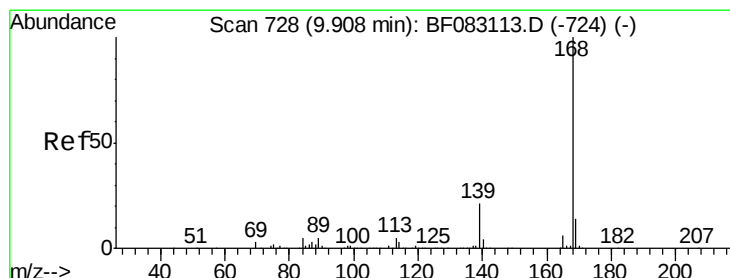
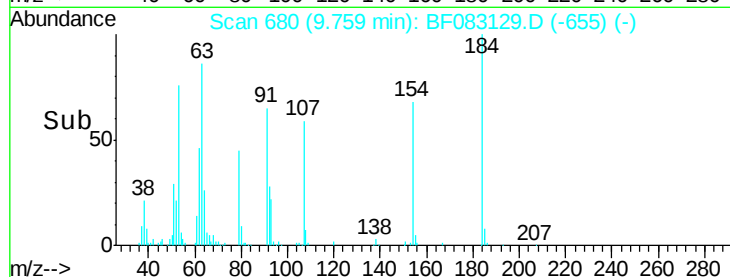
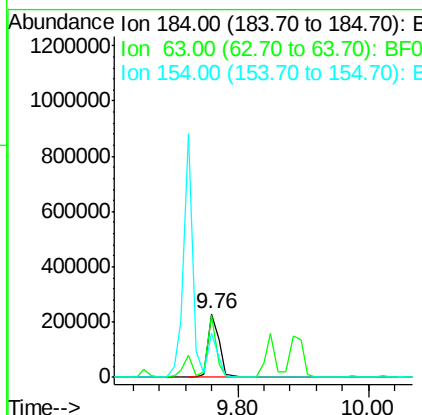
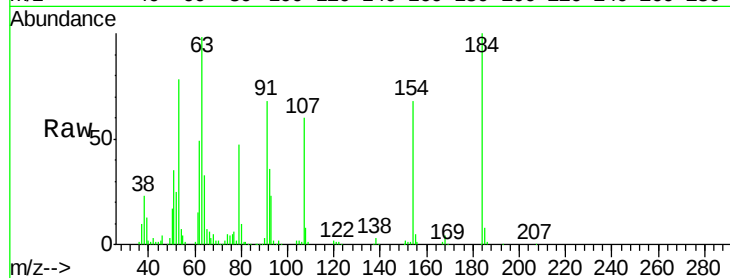
#53
2,4-Dinitrophenol
Concen: 69.37 ng
RT: 9.76 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	280269		
63	97.9	60.5	90.7#	
154	68.3	54.3	81.5	

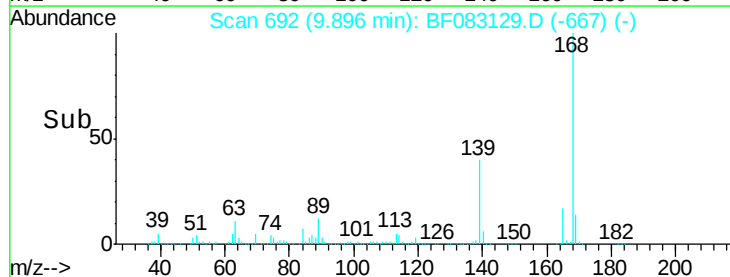
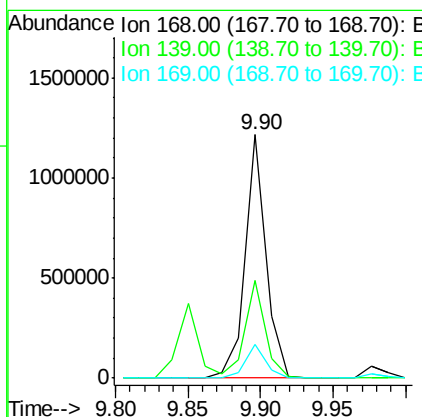
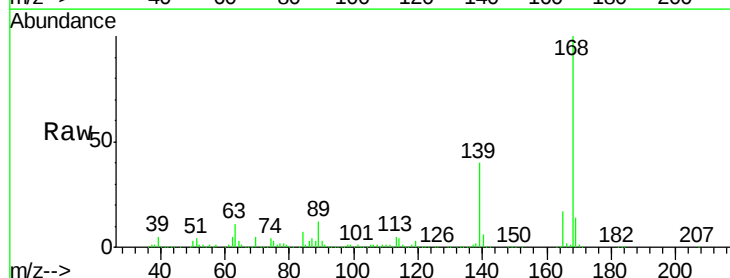
Manual Integrations
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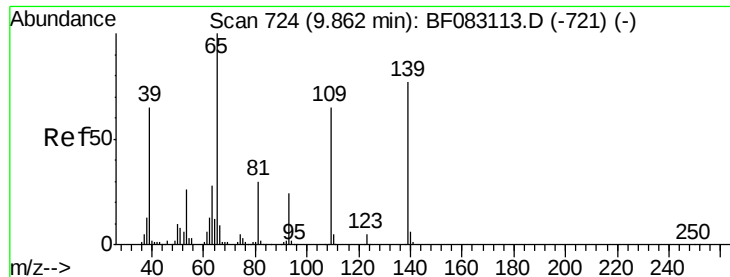
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11/23/2015 7:01:32 PM



#54
Dibenzofuran
Concen: 33.52 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1212974		
139	40.2	30.2	45.2	
169	14.1	10.9	16.3	





#55

4-Nitrophenol

Concen: 64.93 ng

RT: 9.85 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

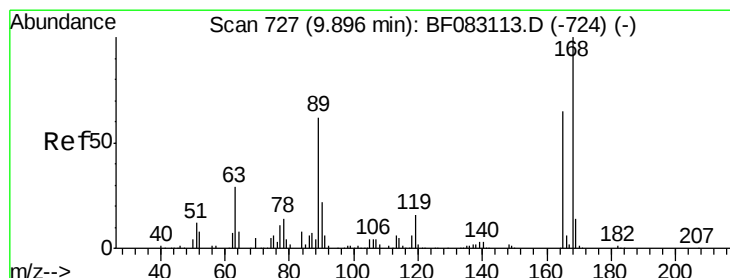
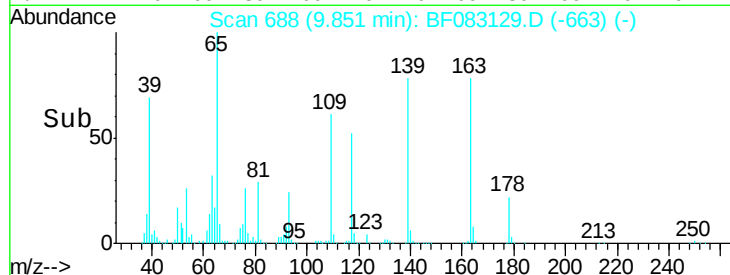
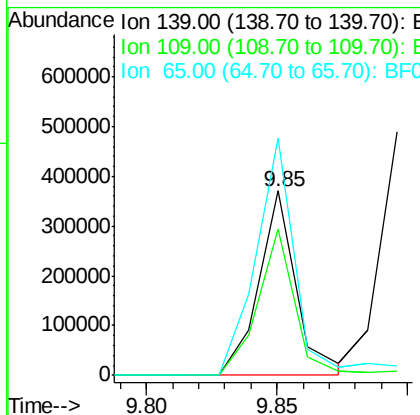
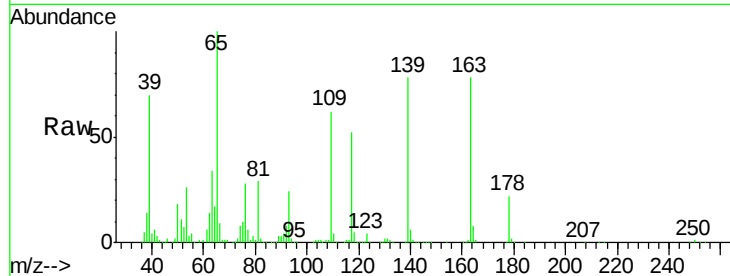
ClientSampleId :

PB86781BS

Tot Ion:	139	Resp:	372269
Ion Ratio	Lower	Upper	
139	100		
109	79.0	64.0	104.0
65	128.5	109.5	149.5

Manual Integrations
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11/23/2015 7:01:32 PM



#56

2,4-Dinitrotoluene

Concen: 33.23 ng

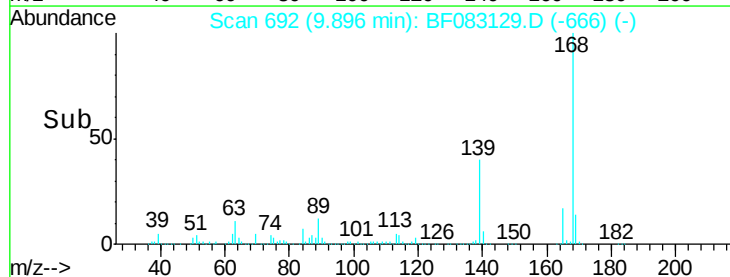
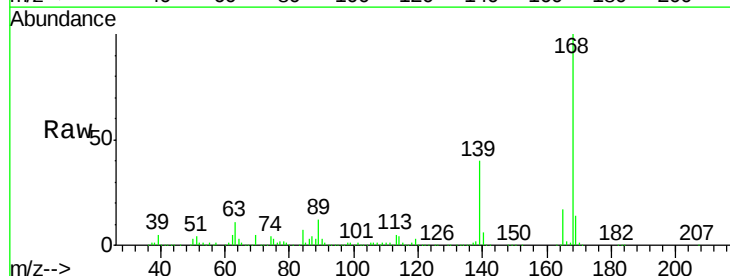
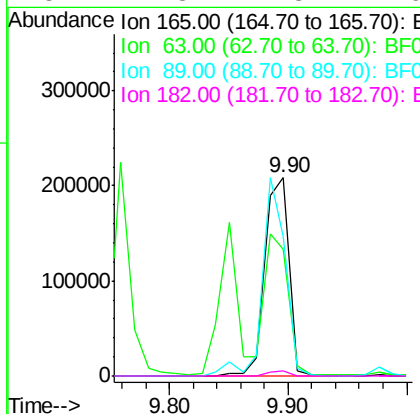
RT: 9.90 min Scan# 692

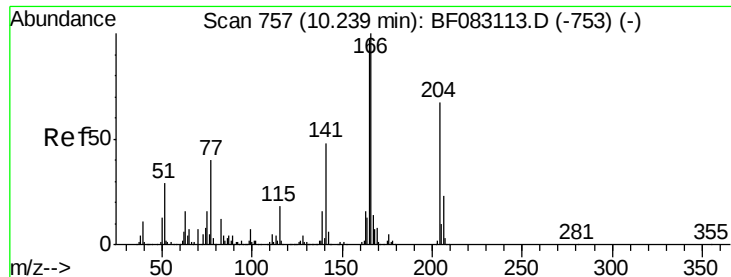
Delta R.T. -0.00 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	165	Resp:	295274
Ion Ratio	Lower	Upper	
165	100		
63	64.2	54.5	81.7
89	70.8	77.3	115.9#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 33.89 ng

RT: 10.24 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:166 Resp: 1013505

Ion Ratio Lower Upper

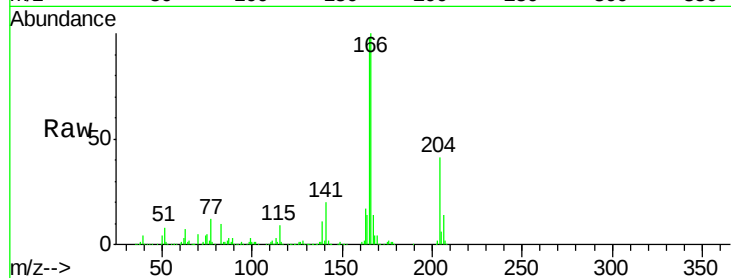
166 100

165 98.4 78.0 117.0

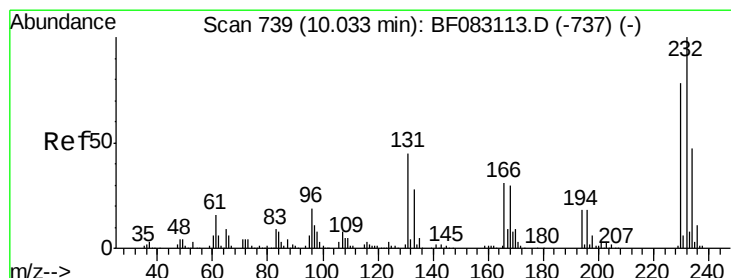
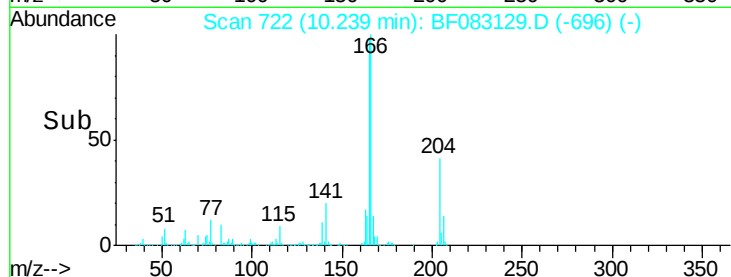
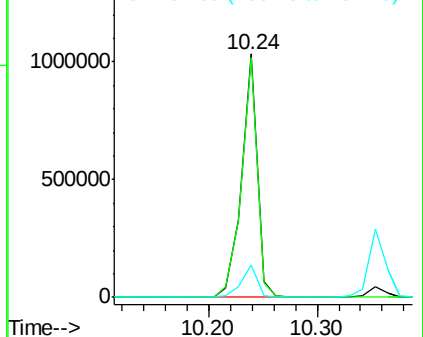
167 13.5 11.3 16.9

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.94 ng

RT: 10.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:232 Resp: 268229

Ion Ratio Lower Upper

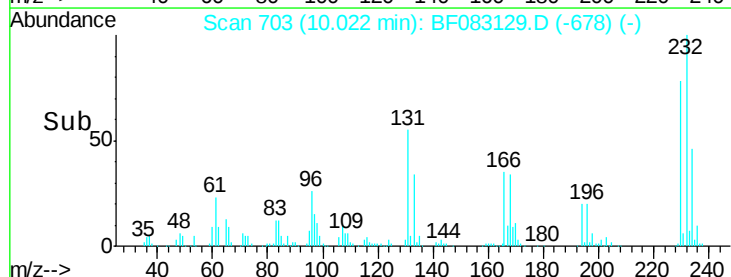
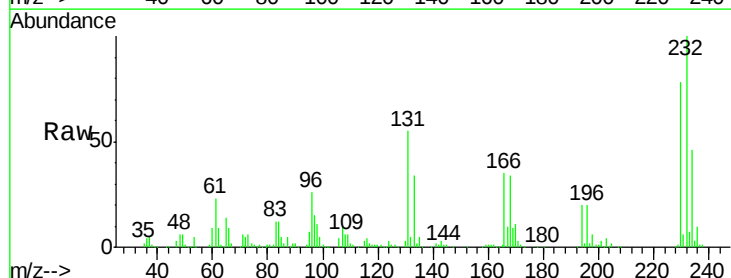
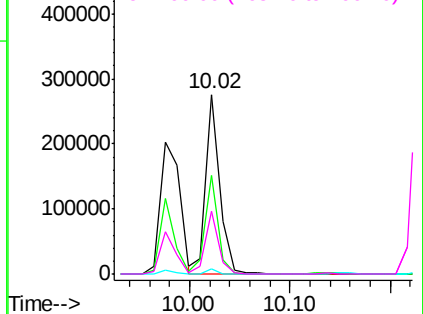
232 100

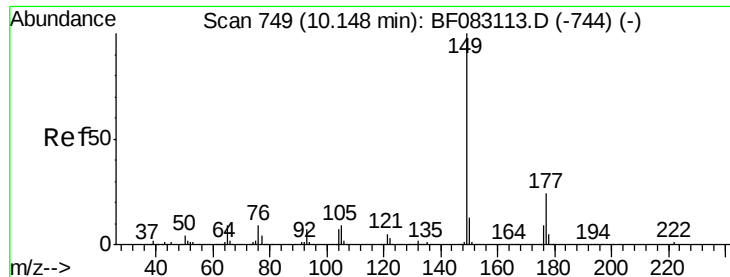
131 50.6 38.6 57.8

130 2.4 1.9 2.9

166 33.2 25.4 38.0

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





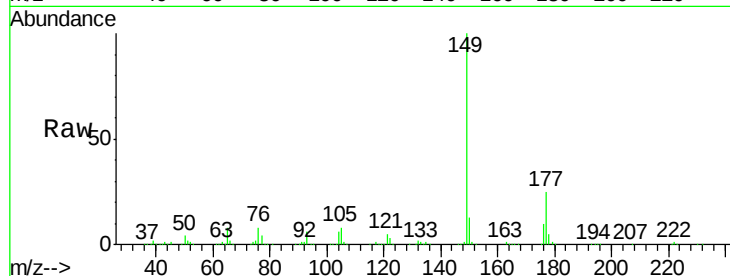
#59
Diethylphthalate
Concen: 33.82 ng
RT: 10.14 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

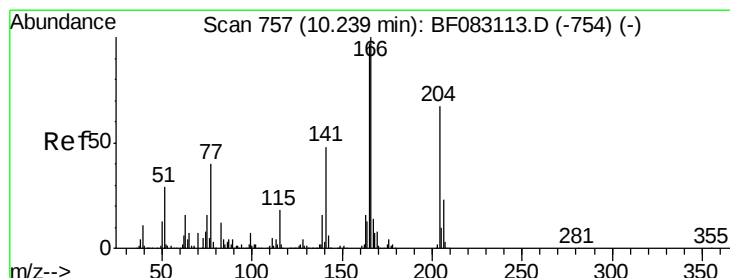
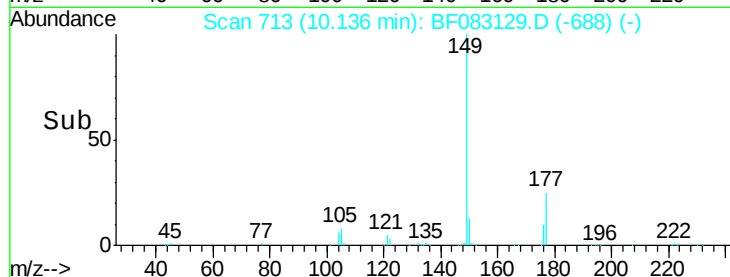
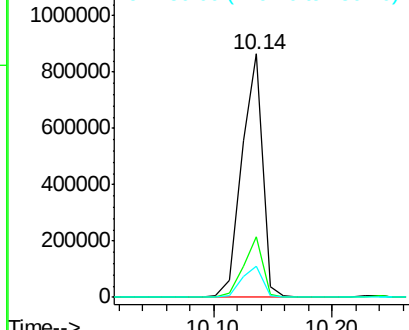
Tot Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.4	29.2
150	12.7	10.2	15.2

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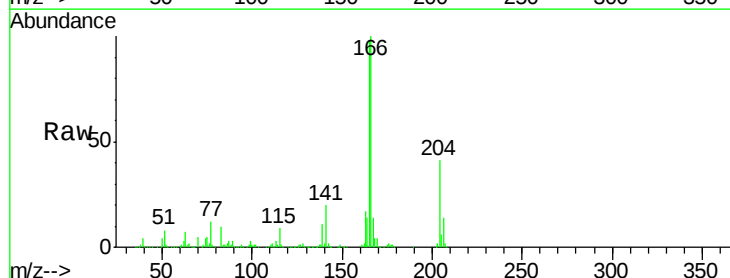


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

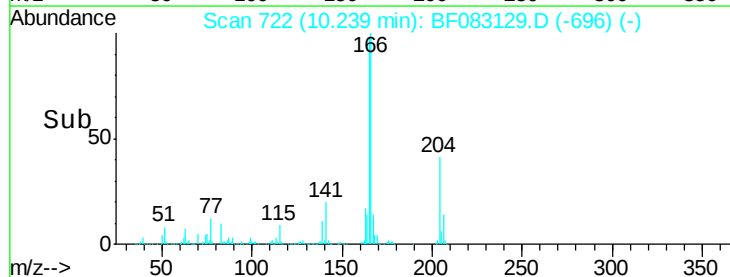
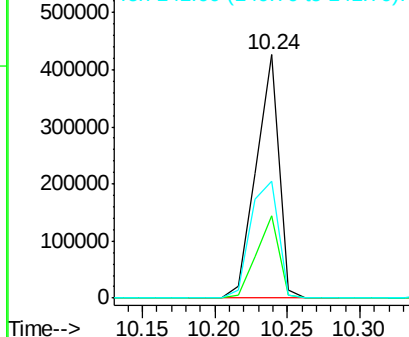


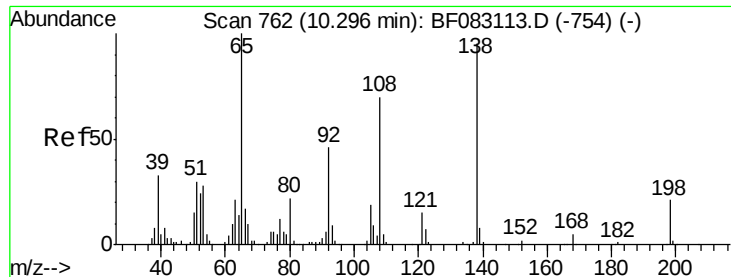
#60
4-Chlorophenyl-phenylether
Concen: 34.01 ng
RT: 10.24 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.0
141	47.9	57.4	86.2#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 30.71 ng

RT: 10.27 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

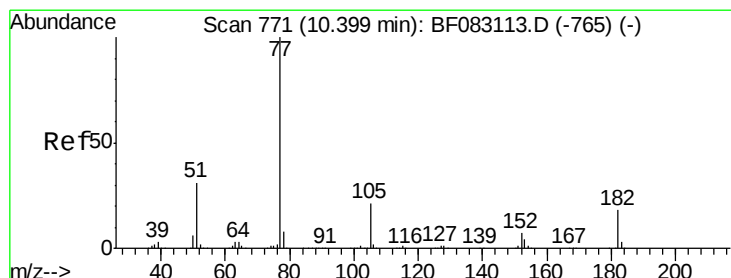
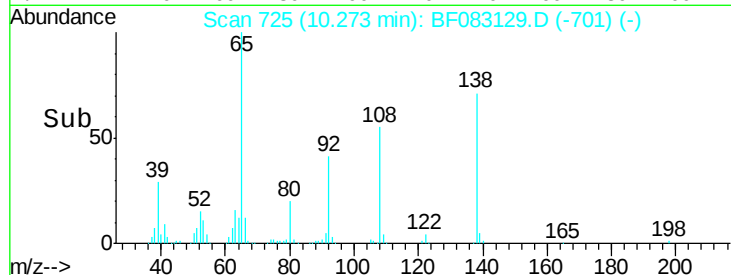
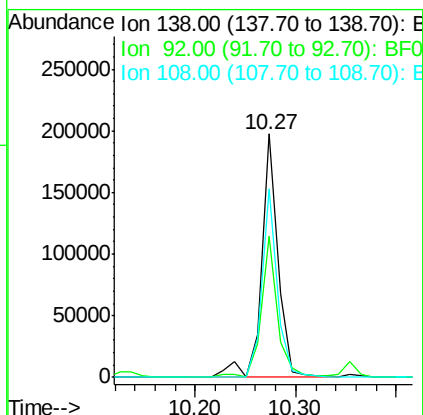
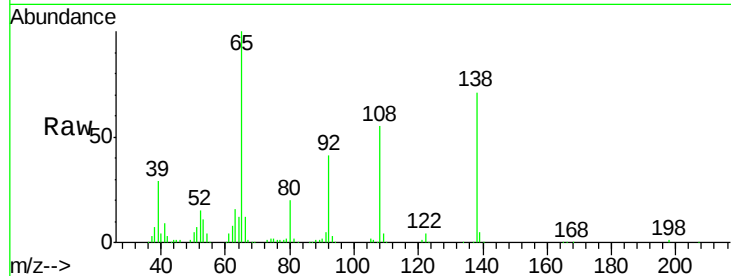
ClientSampled :

PB86781BS

Tot Ion:	138	Resp:	226019
Ion Ratio	Lower	Upper	
138	100		
92	58.1	28.4	68.4
108	77.5	53.5	93.5

Manual Integrations
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#62

Azobenzene

Concen: 35.26 ng

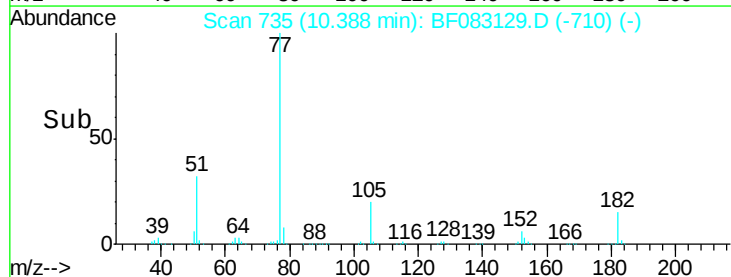
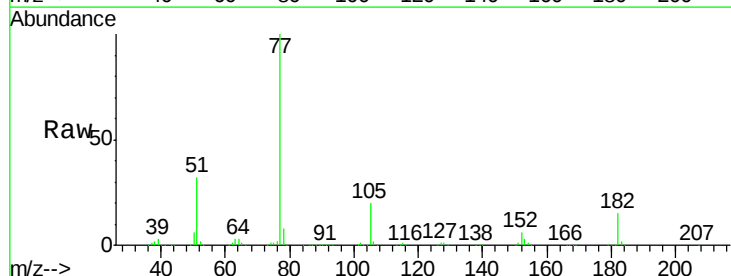
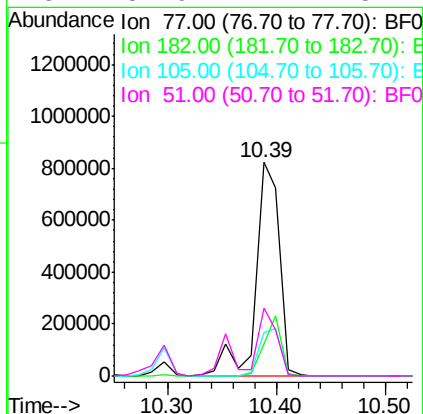
RT: 10.39 min Scan# 735

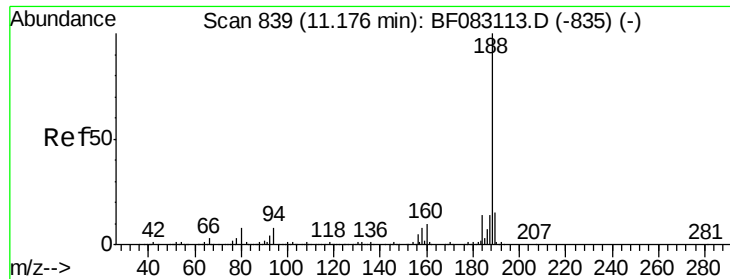
Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	77	Resp:	1251855
Ion Ratio	Lower	Upper	
77	100		
182	15.2	0.0	38.3
105	20.1	1.2	41.2
51	31.9	11.1	51.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

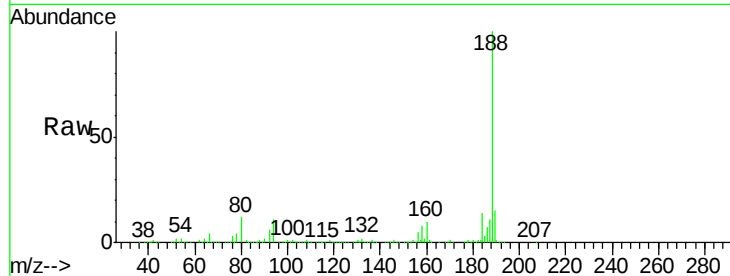
ClientSampleId :

PB86781BS

Tot Ion:	188	Resp:	754784
Ion Ratio	Lower	Upper	
188	100		
94	10.7	6.0	9.0#
80	12.1	6.7	10.1#

Manual Integrations
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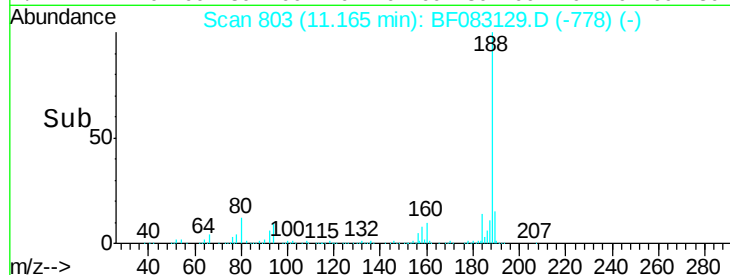


Abundance Ion 188.00 (187.70 to 188.70): E

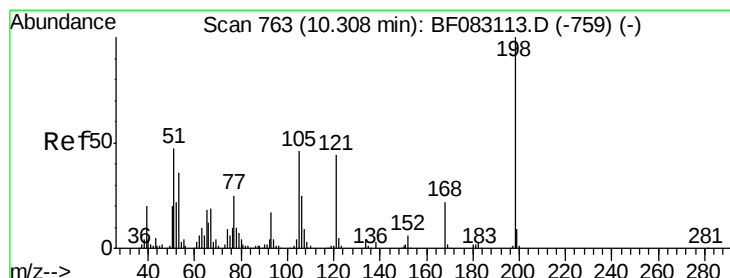
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 36.89 ng

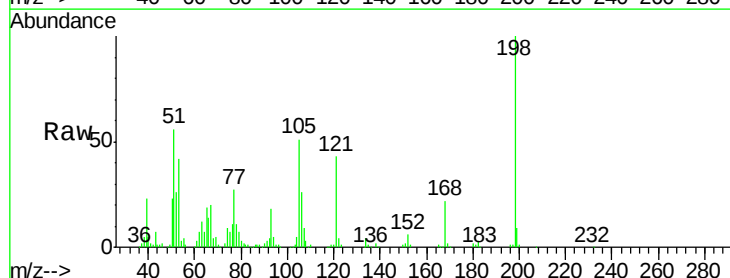
RT: 10.30 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Tgt Ion:	198	Resp:	191850
Ion Ratio	Lower	Upper	
198	100		
51	55.6	27.0	67.0
105	50.5	26.1	66.1

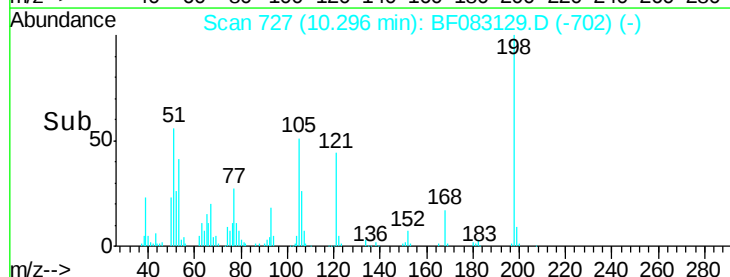


Abundance Ion 198.00 (197.70 to 198.70): E

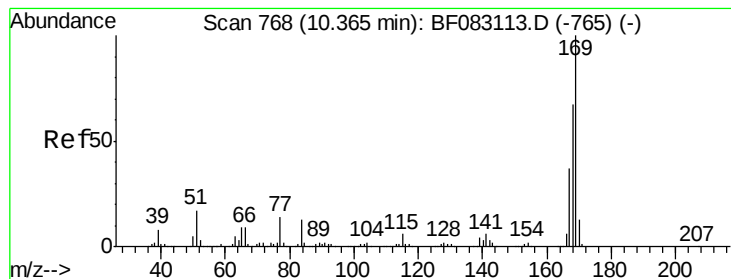
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



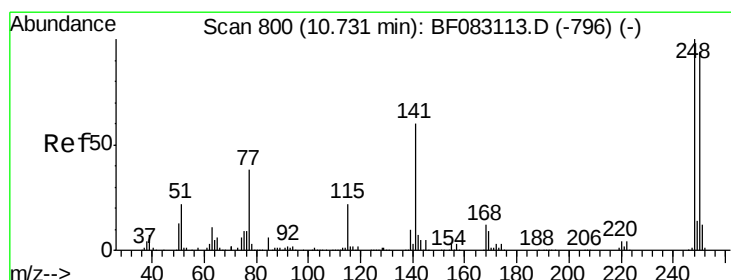
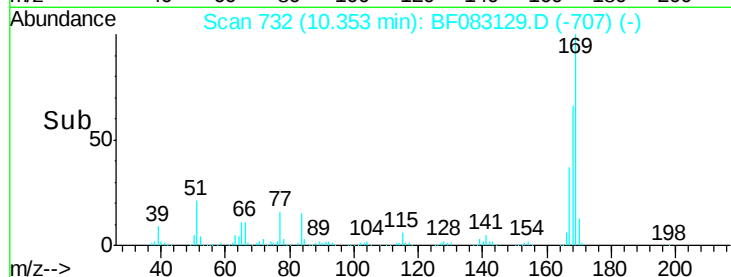
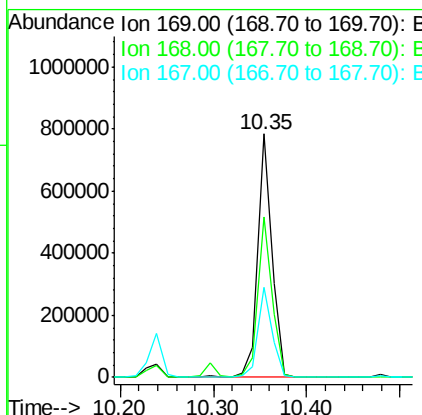
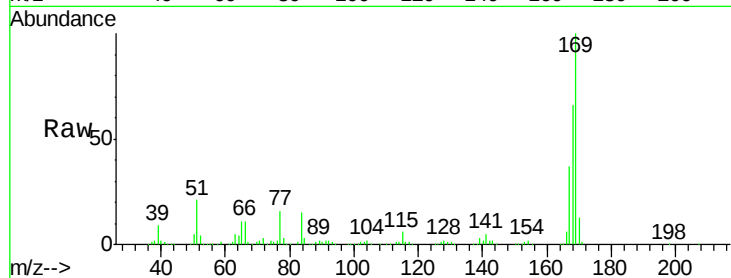
#65
n-Nitrosodiphenylamine
Concen: 32.47 ng
RT: 10.35 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	833470		
168	66.1	53.8	80.6	
167	37.0	29.8	44.8	

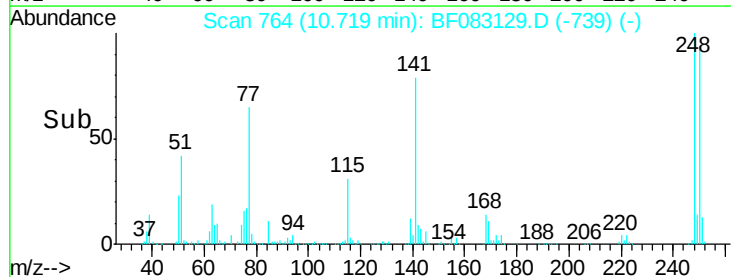
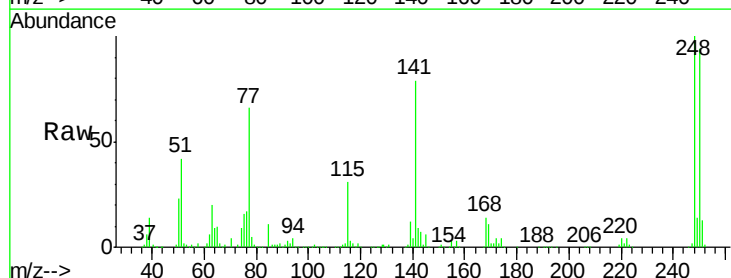
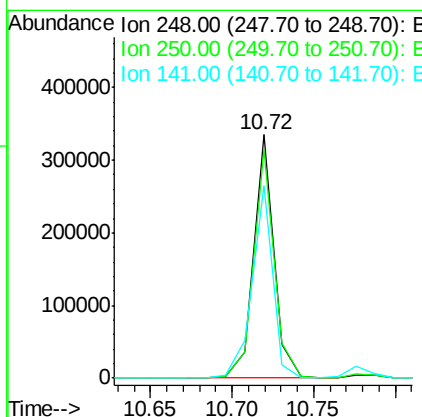
Manual Integrations
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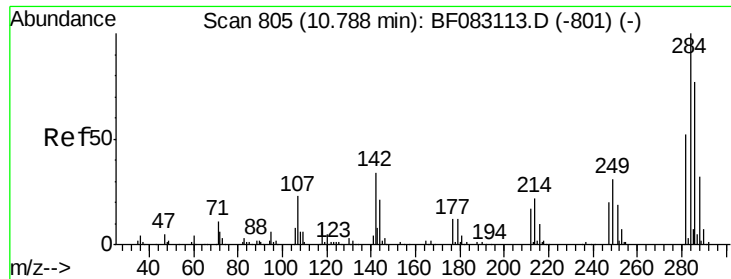
Mmdadoda
11/23/2015 7:01:32 PM



#66
4-Bromophenyl-phenylether
Concen: 34.72 ng
RT: 10.72 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	290762		
250	93.8	75.4	113.2	
141	78.8	48.1	72.1	





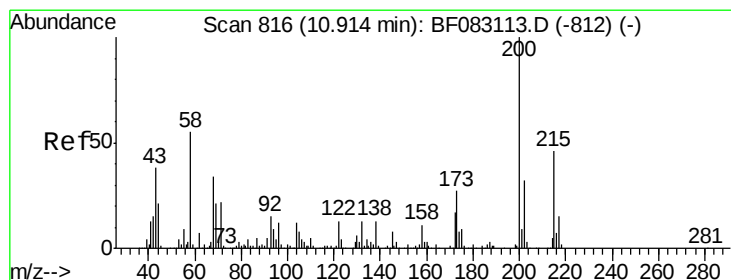
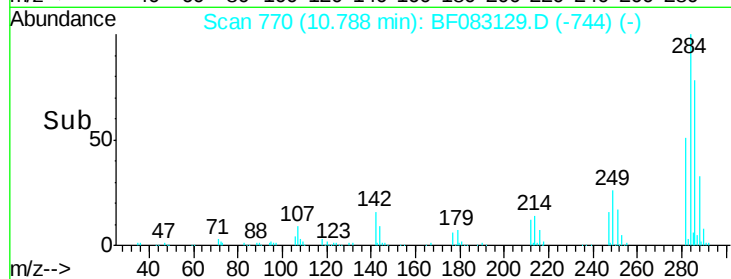
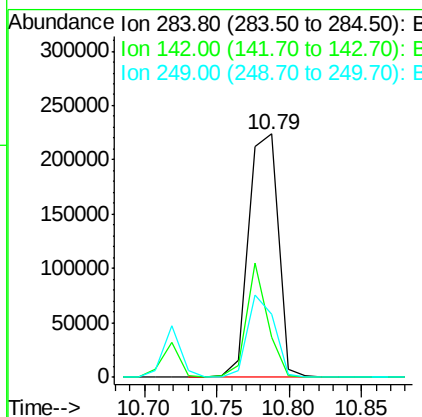
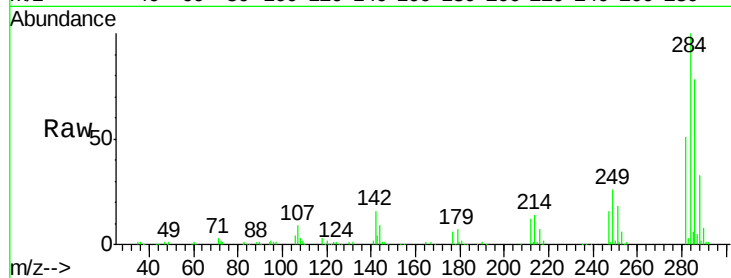
#67
Hexachlorobenzene
Concen: 34.29 ng
RT: 10.79 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	316248		
142	16.5	27.6	41.4#	
249	25.8	25.5	38.3	

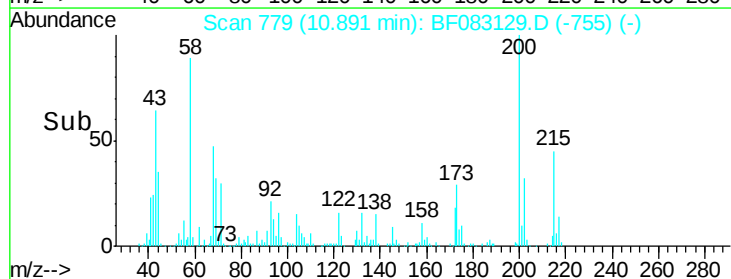
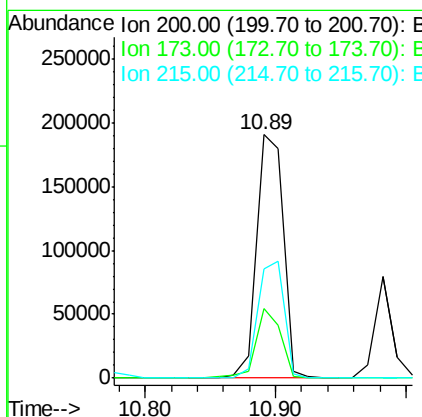
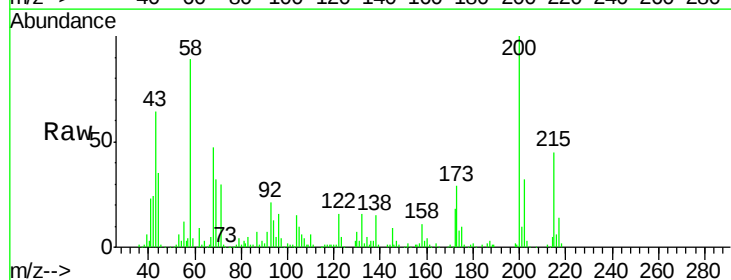
Manual Integrations
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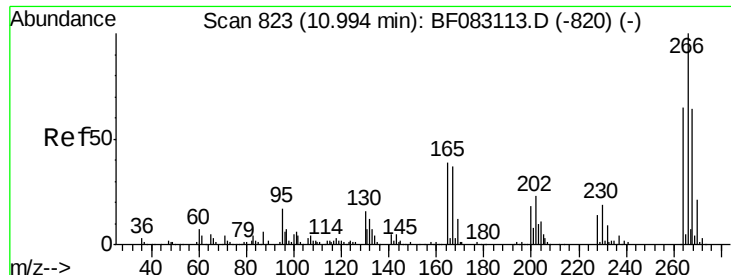
Mmdadoda
11/23/2015 7:01:32 PM



#68
Atrazine
Concen: 36.55 ng
RT: 10.89 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	272437		
173	28.5	7.2	47.2	
215	45.0	25.7	65.7	





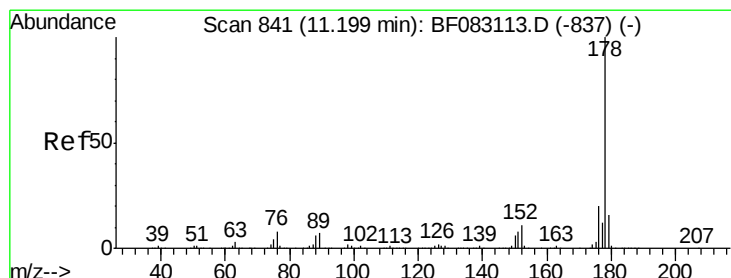
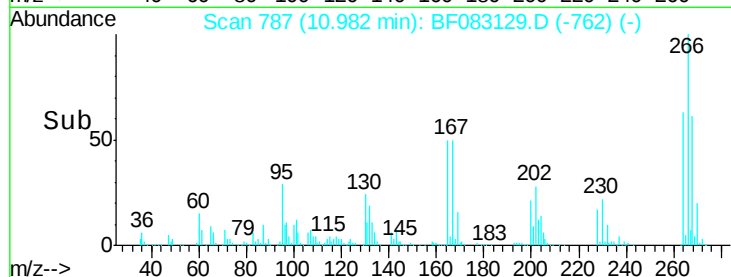
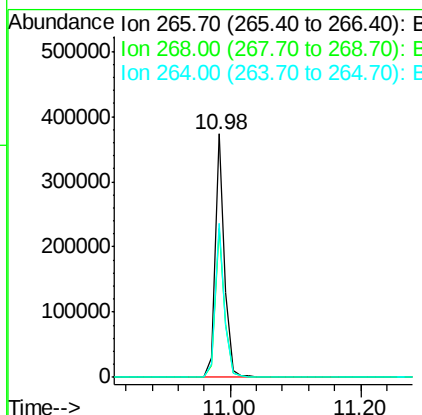
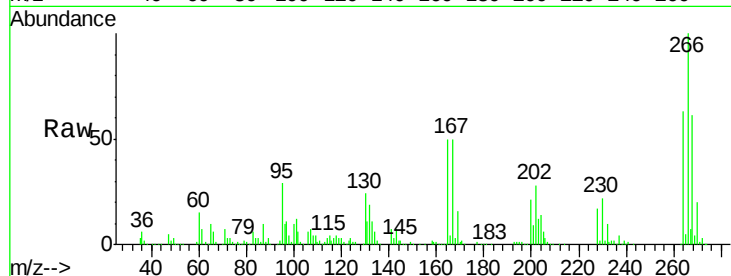
#69
 Pentachlorophenol
 Concen: 63.68 ng
 RT: 10.98 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	61.2	51.4	77.0
264	63.3	51.7	77.5

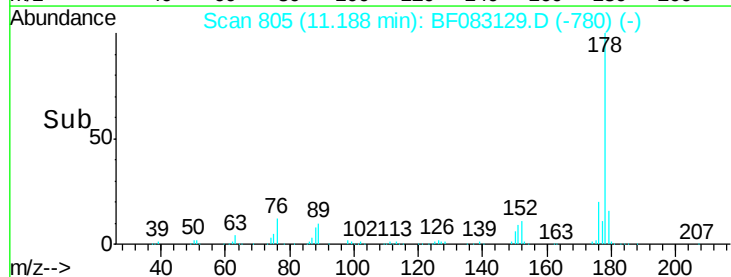
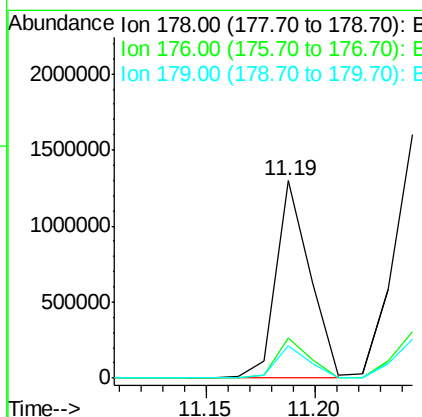
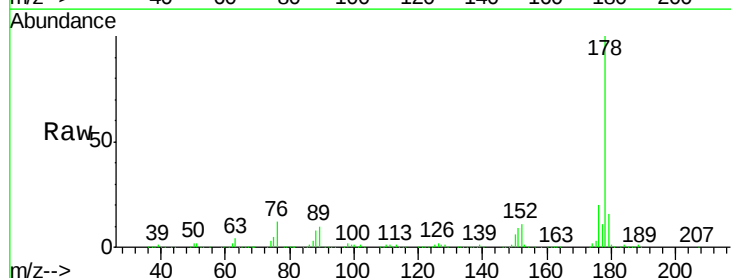
Manual Integrations
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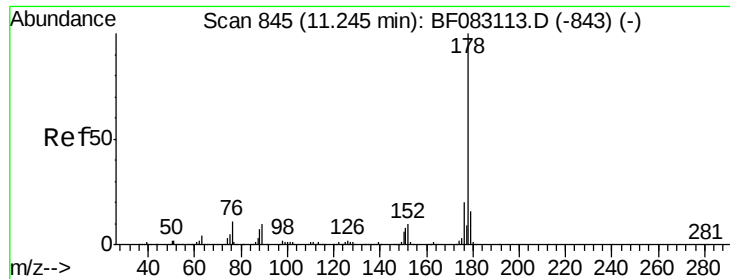
Mmdadoda
 11/23/2015 7:01:32 PM



#70
 Phenanthrene
 Concen: 32.56 ng
 RT: 11.19 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.2
179	16.3	12.8	19.2





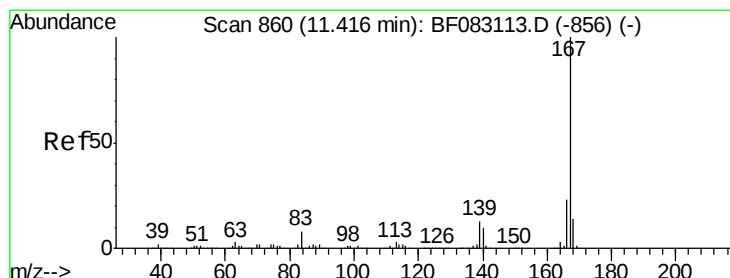
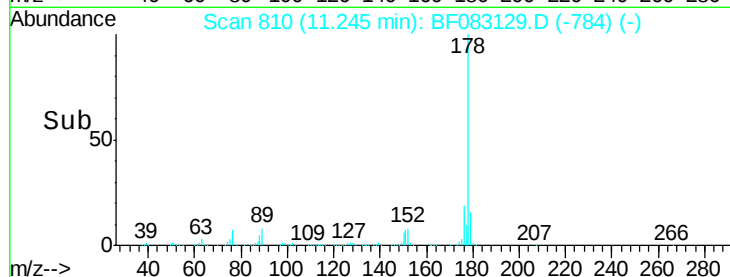
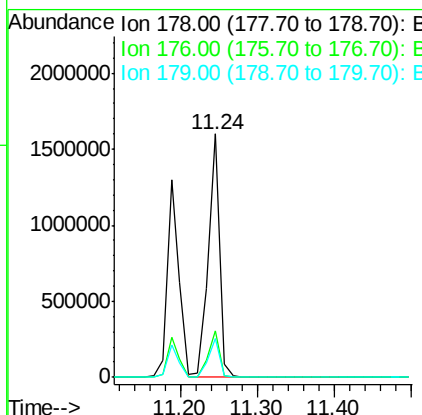
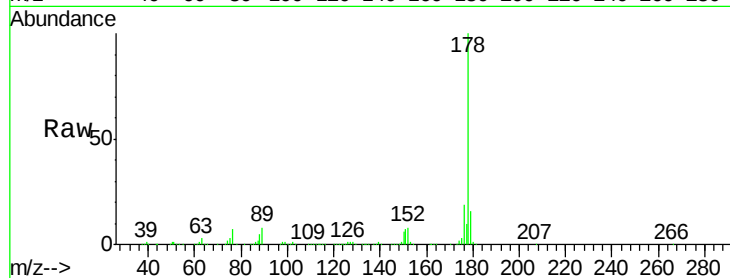
#71
 Anthracene
 Concen: 35.93 ng
 RT: 11.24 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion:178 Resp: 1593911
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 15.9 13.2 19.8

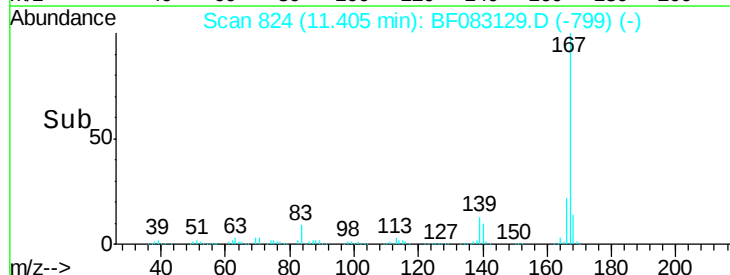
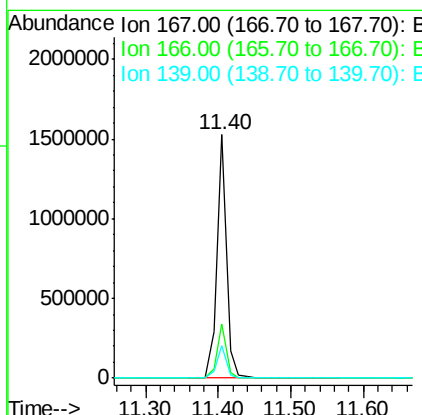
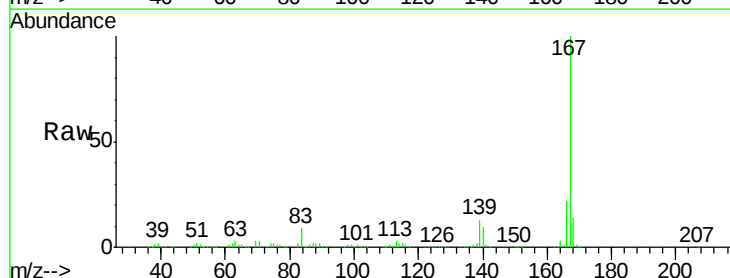
Manual Integrations
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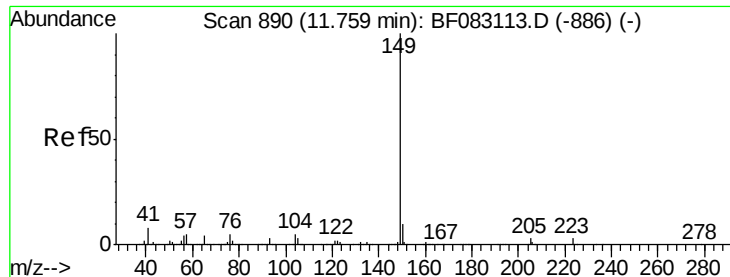
Mmdadoda
 11/23/2015 7:01:32 PM



#72
 Carbazole
 Concen: 35.21 ng
 RT: 11.40 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion:167 Resp: 1388557
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.0 27.0
 139 13.5 10.5 15.7





#73

Di-n-butylphthalate

Concen: 34.72 ng

RT: 11.75 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:149 Resp: 1671148

Ion Ratio Lower Upper

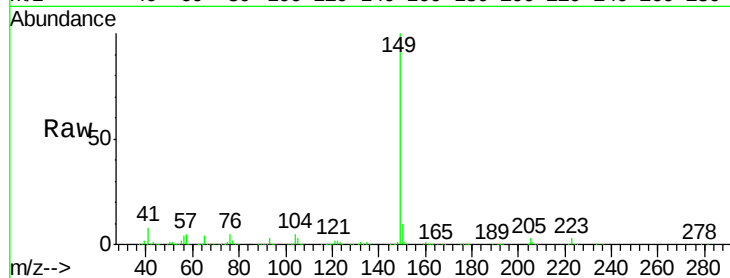
149 100

150 10.0 8.0 12.0

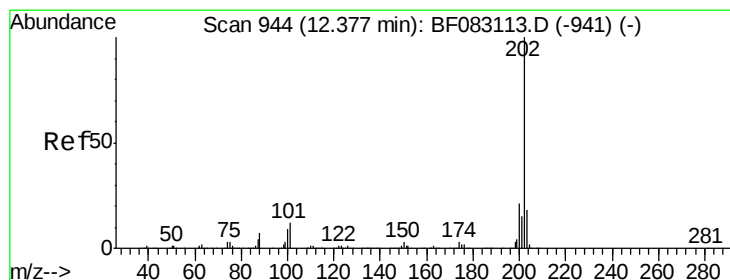
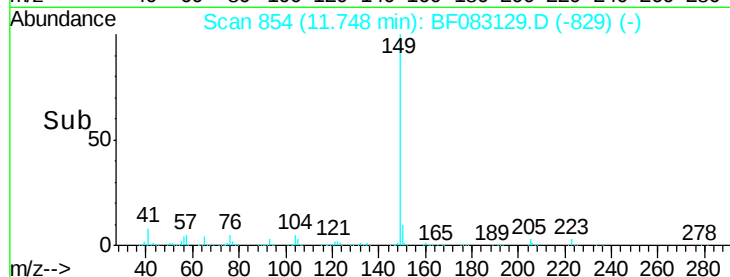
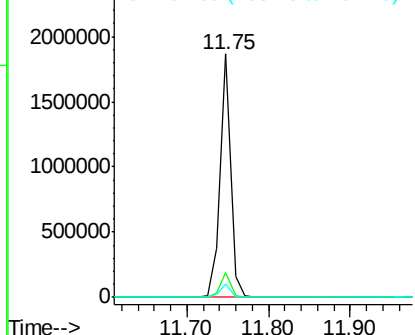
104 5.2 4.4 6.6

Manual Integrations
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Mmdadoda
11/23/2015 7:01:32 PM



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



#74

Fluoranthene

Concen: 36.03 ng

RT: 12.38 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

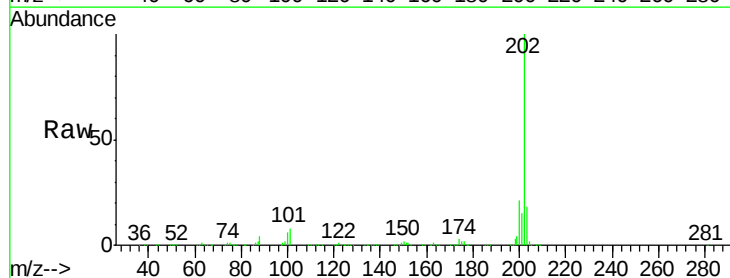
Tgt Ion:202 Resp: 1603614

Ion Ratio Lower Upper

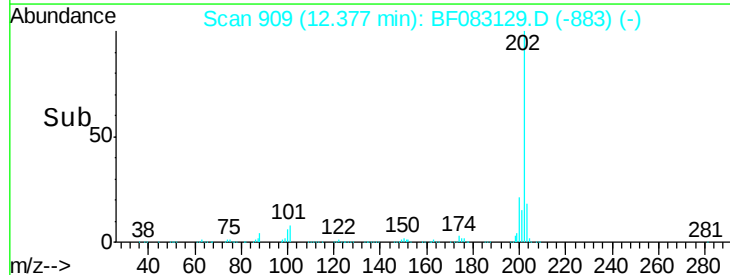
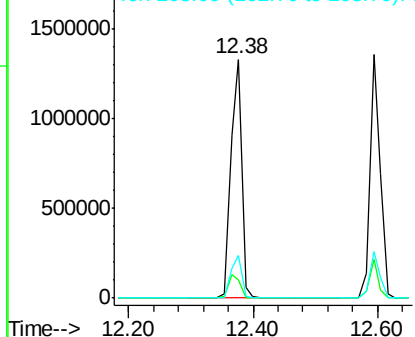
202 100

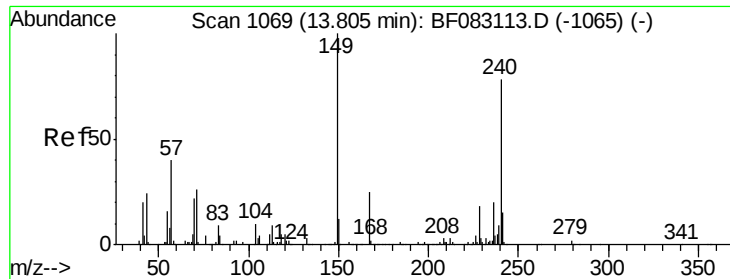
101 7.7 0.0 32.3

203 17.8 0.0 38.4



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





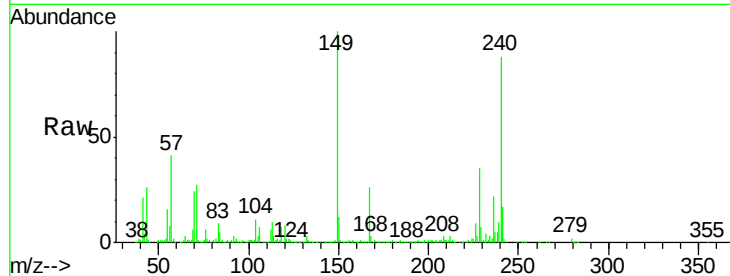
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

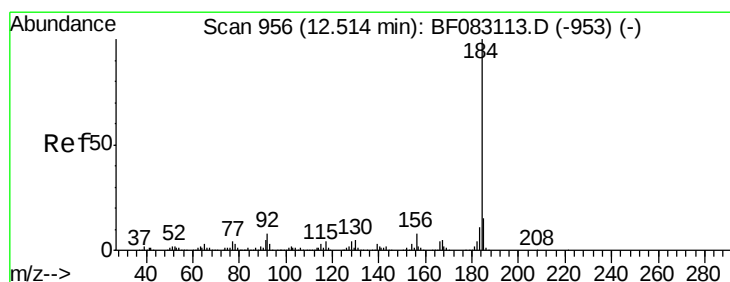
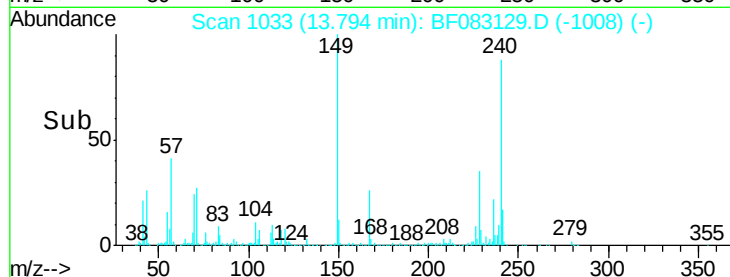
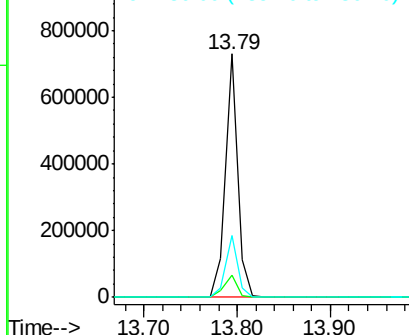
Tot Ion:240 Resp: 666426
Ion Ratio Lower Upper
240 100
120 9.2 5.4 8.2#
236 25.3 20.6 31.0

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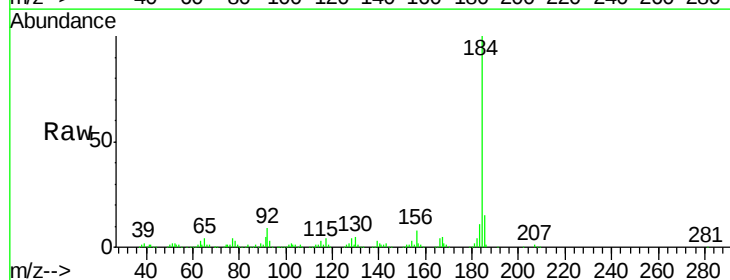


Abundance Ion 240.00 (239.70 to 240.70): E
1000000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

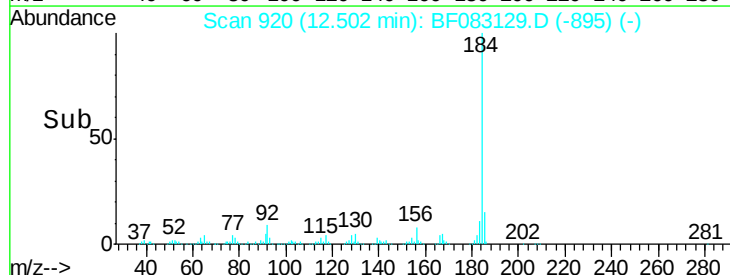
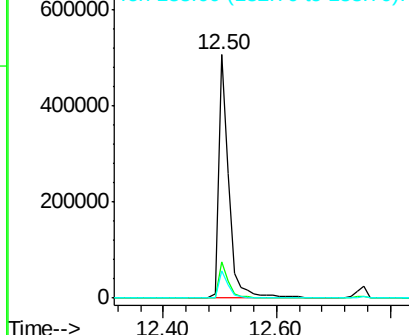


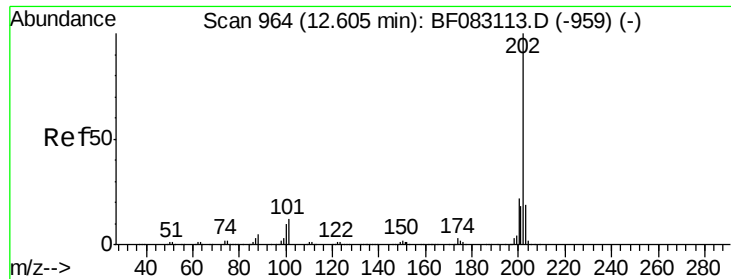
#76
Benzidine
Concen: 36.00 ng
RT: 12.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion:184 Resp: 628785
Ion Ratio Lower Upper
184 100
185 14.7 11.7 17.5
183 11.1 8.8 13.2



Abundance Ion 184.00 (183.70 to 184.70): E
600000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 33.50 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:202 Resp: 1525069

Ion Ratio Lower Upper

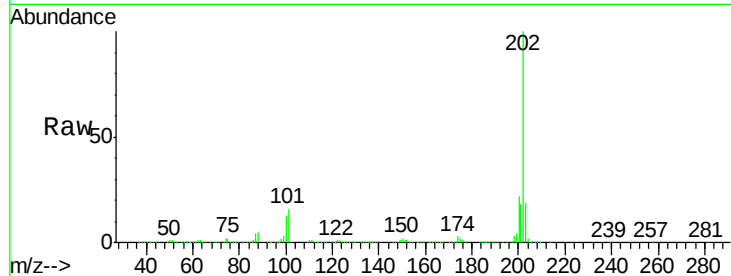
202 100

200 22.2 17.8 26.6

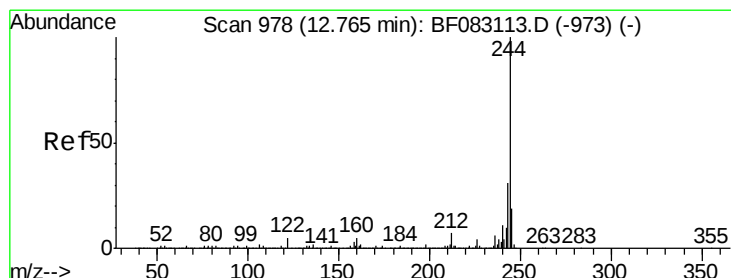
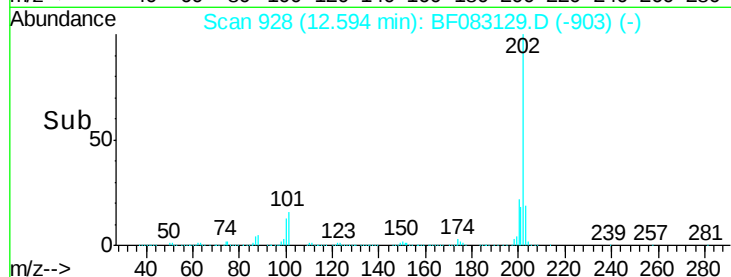
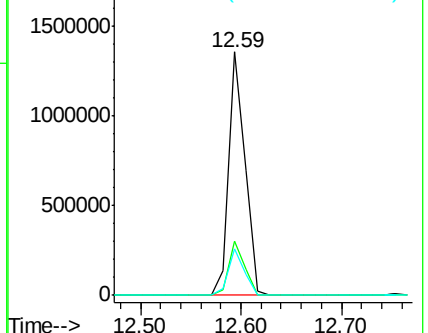
203 19.1 15.0 22.4

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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: 67.54 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

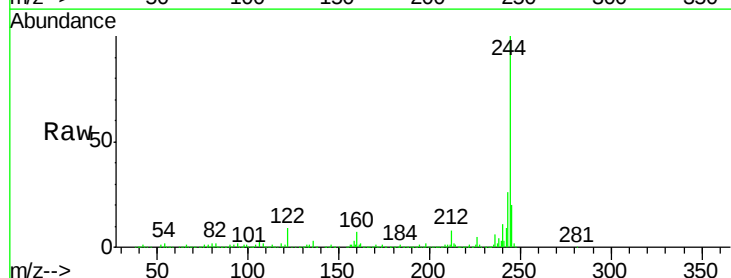
Tgt Ion:244 Resp: 1911283

Ion Ratio Lower Upper

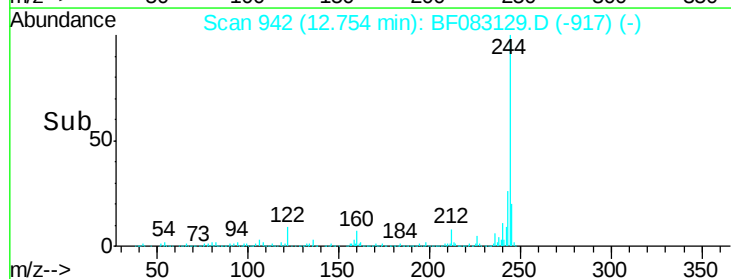
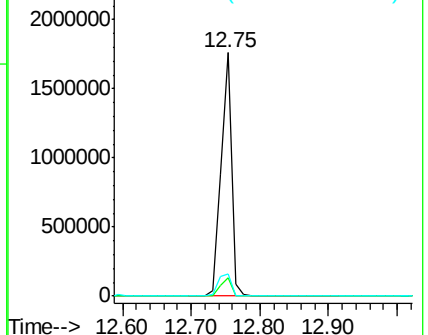
244 100

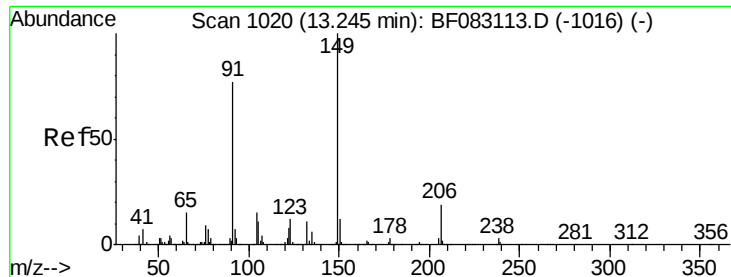
212 7.7 5.4 8.2

122 9.2 4.3 6.5#



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





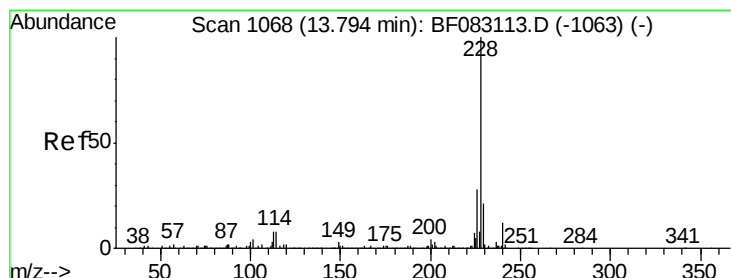
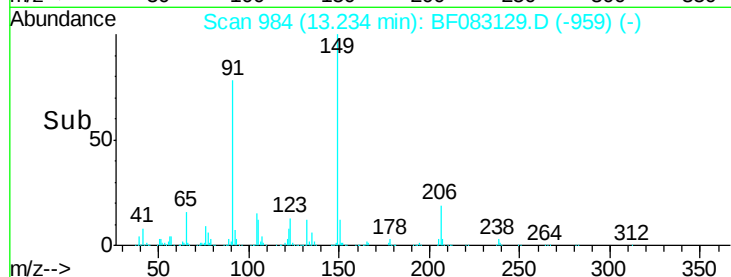
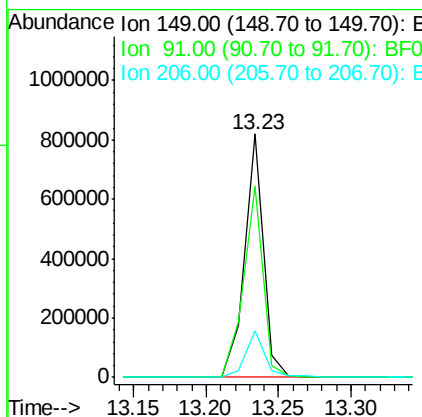
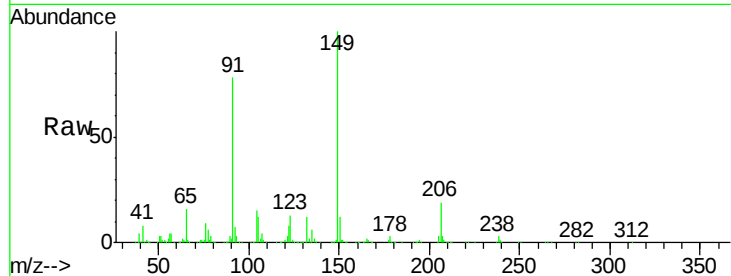
#79
Butylbenzylphthalate
Concen: 34.33 ng
RT: 13.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	78.3	61.5	92.3
206	19.3	15.3	22.9

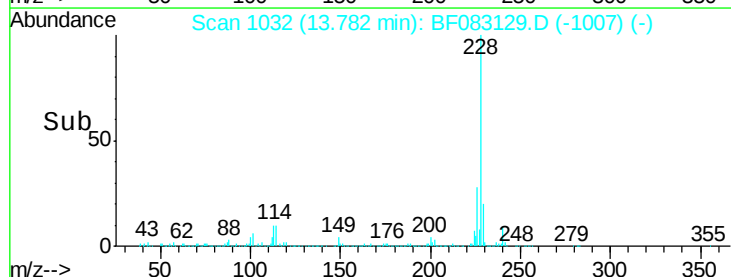
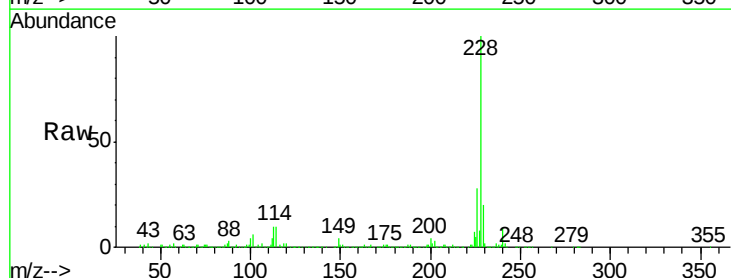
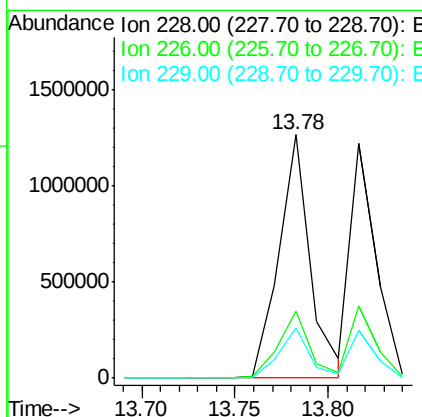
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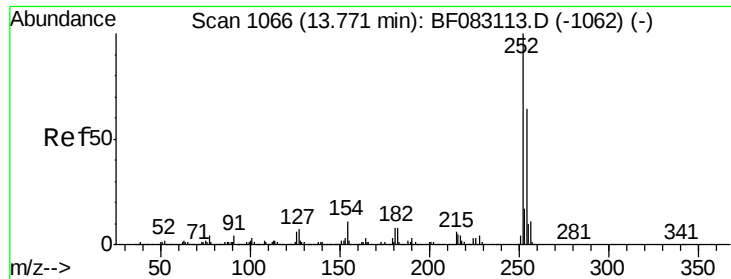
Mmdadoda
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#80
Benzo(a)anthracene
Concen: 35.84 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.5	16.6	24.8





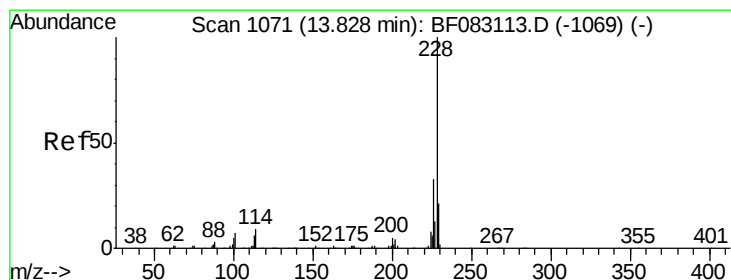
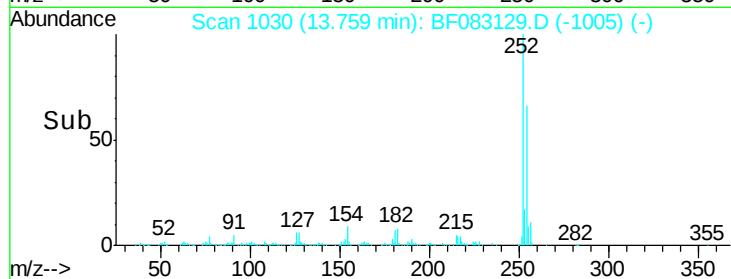
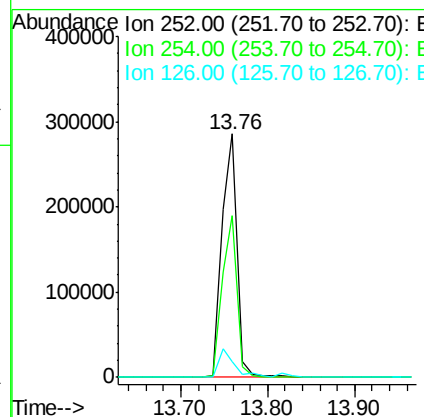
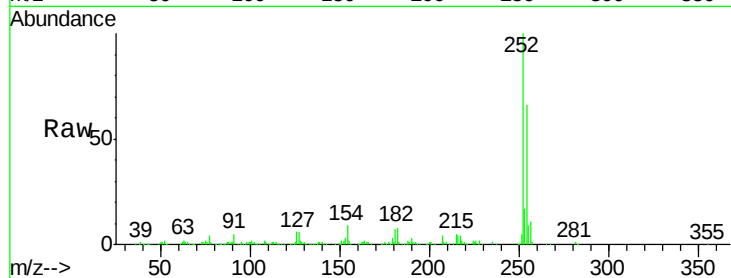
#81
 3,3'-Dichlorobenzidine
 Concen: 24.71 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.3	51.5	77.3
126	6.5	5.2	7.8

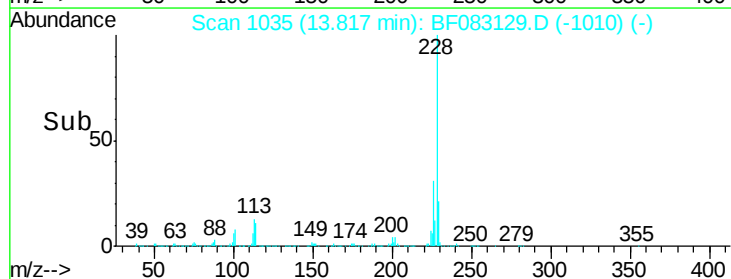
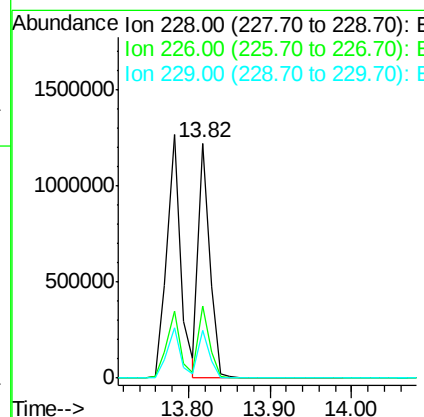
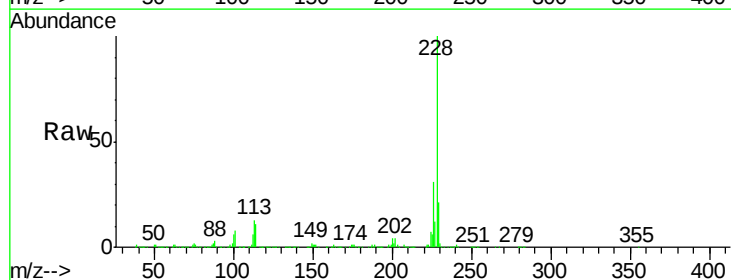
Manual Integrations
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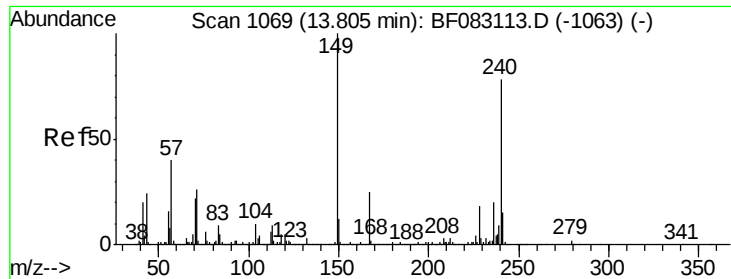
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 11/23/2015 7:01:32 PM



#82
 Chrysene
 Concen: 31.18 ng
 RT: 13.82 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.5	38.3
229	20.5	16.6	25.0





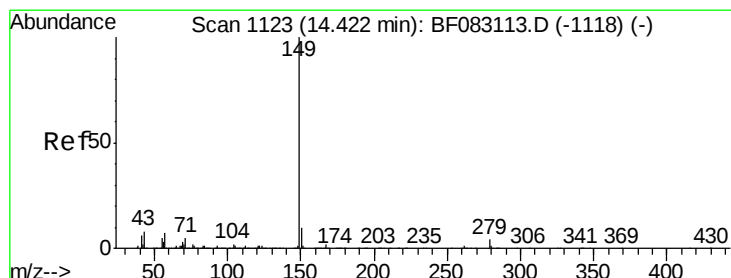
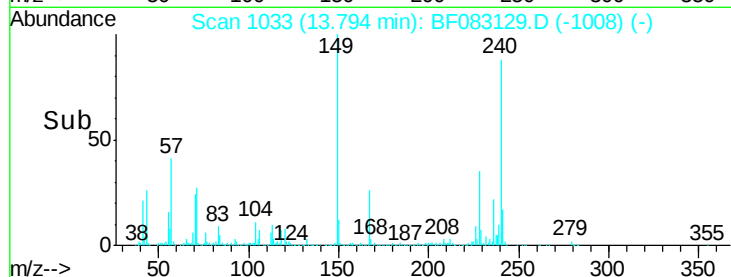
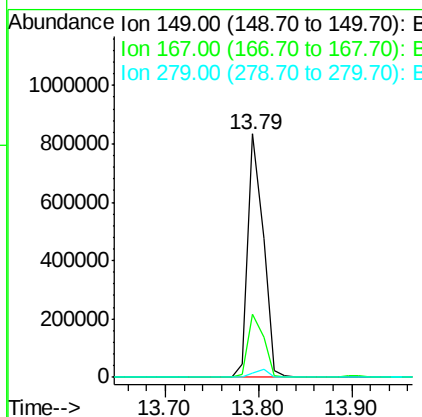
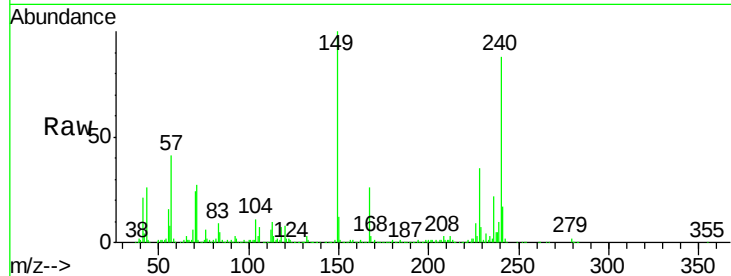
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 33.85 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	952512		
167	25.8	20.1	30.1	
279	1.9	1.7	2.5	

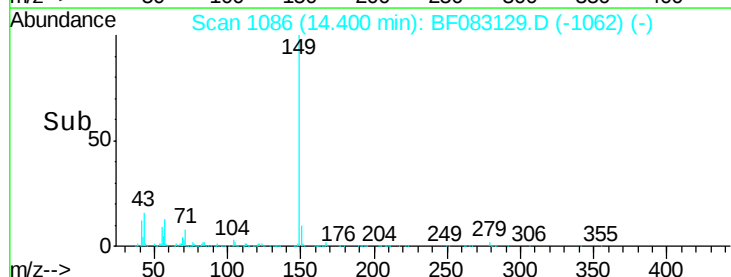
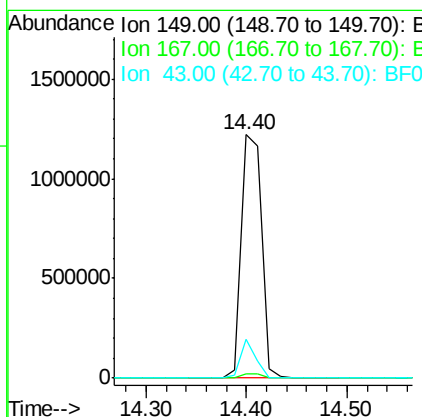
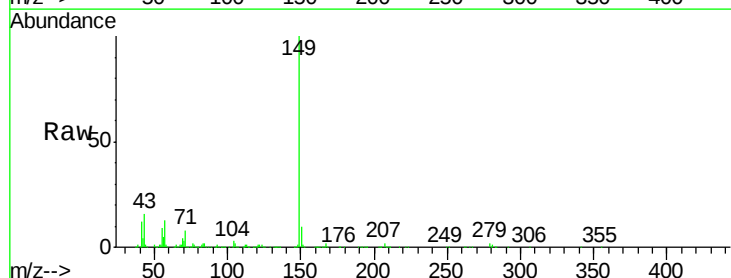
Manual Integrations
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 11/23/2015 7:01:32 PM



#84
 Di-n-octyl phthalate
 Concen: 35.25 ng
 RT: 14.40 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1707655		
167	1.6	1.2	1.8	
43	12.1	9.5	14.3	





#85

Indeno(1,2,3-cd)pyrene

Concen: 33.85 ng

RT: 16.42 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:276 Resp: 1176710

Ion Ratio Lower Upper

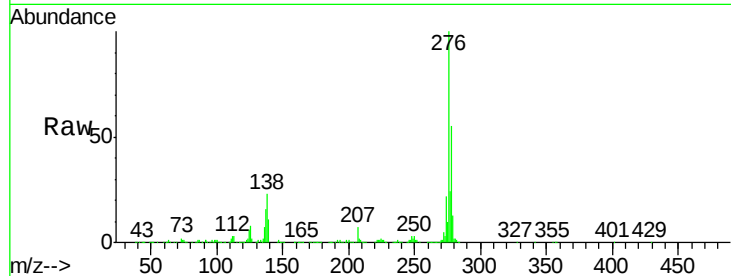
276 100

138 24.3 18.0 27.0

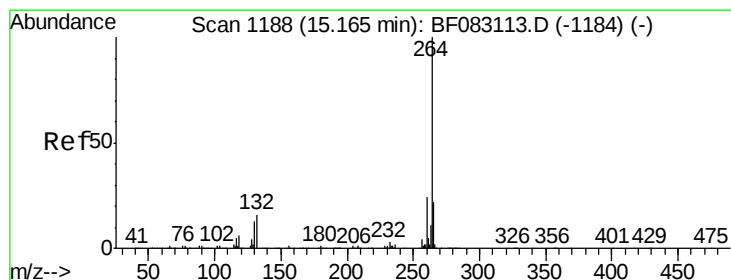
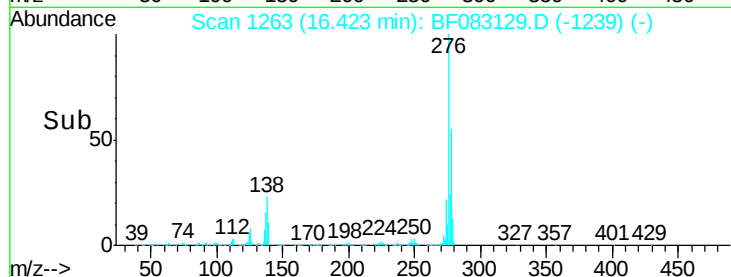
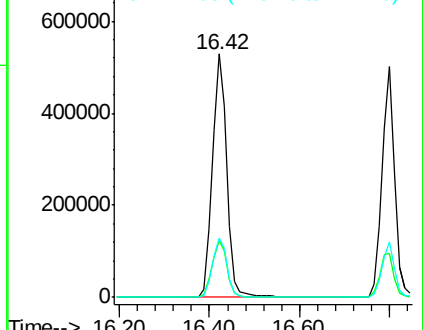
277 24.9 20.2 30.4

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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

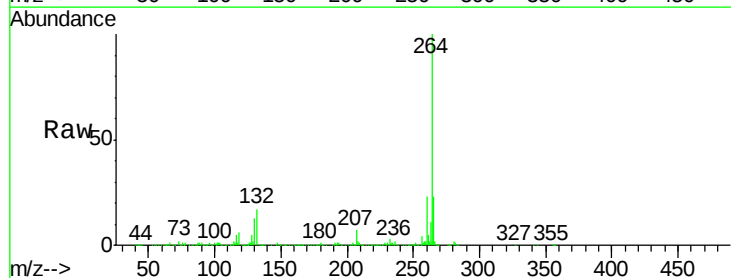
Tgt Ion:264 Resp: 602871

Ion Ratio Lower Upper

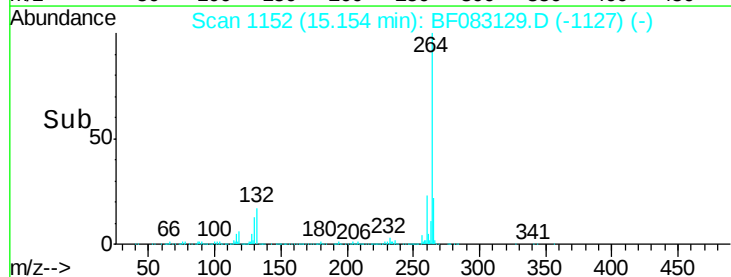
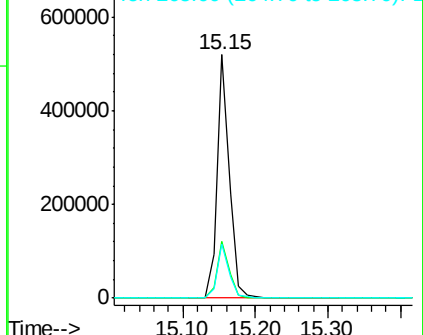
264 100

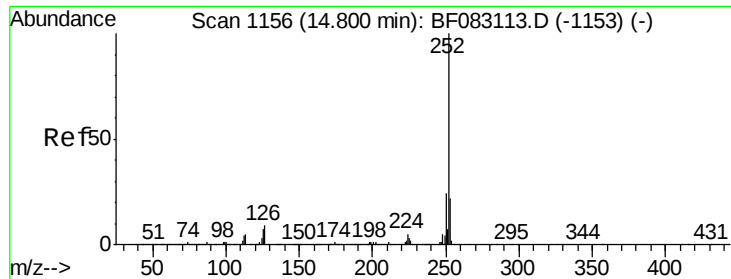
260 23.5 19.1 28.7

265 22.5 18.2 27.4



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





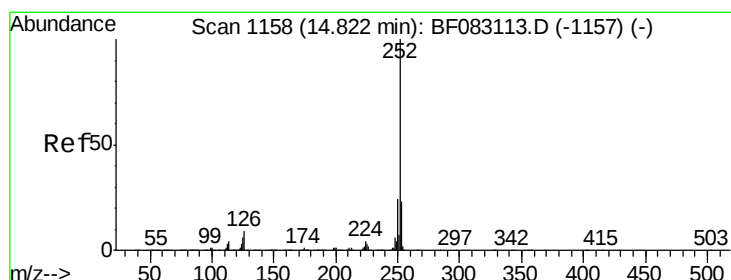
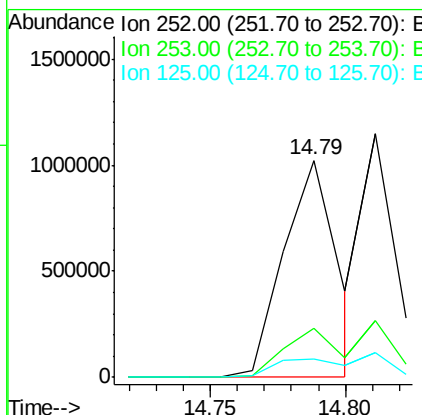
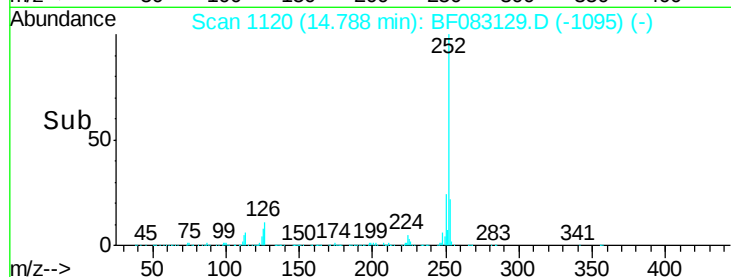
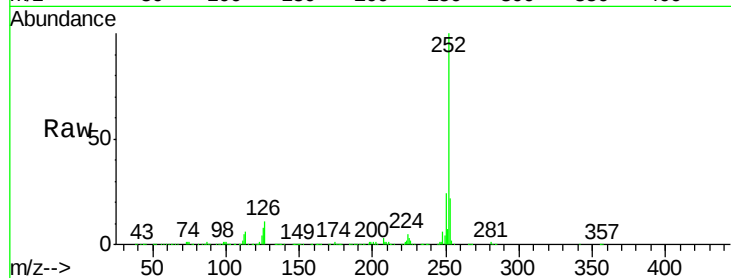
#87
Benzo(b)fluoranthene
Concen: 34.23 ng m
RT: 14.79 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Instrument :
BNA_F
ClientSampleId :
PB86781BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.5	5.6	8.4#

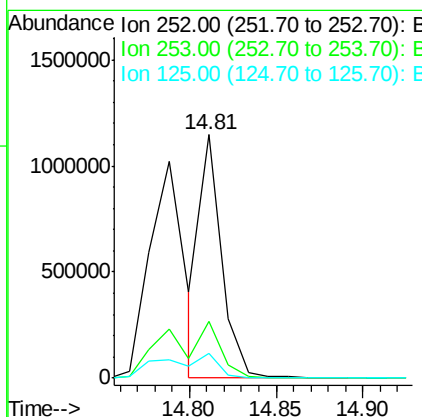
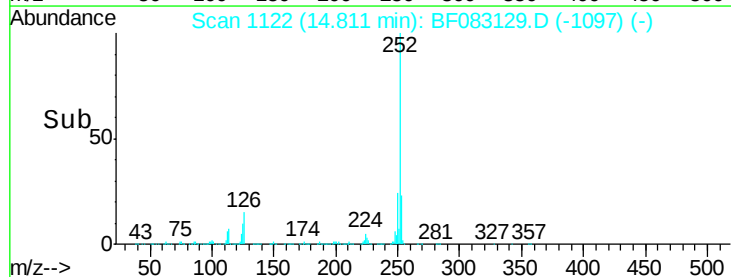
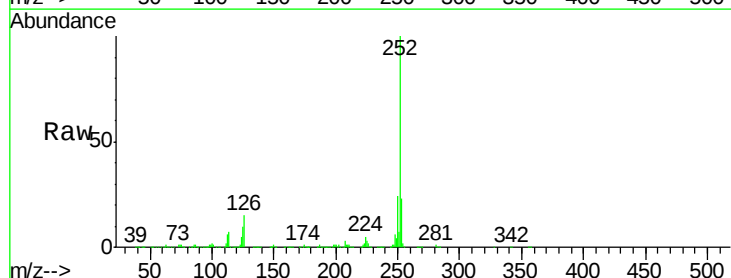
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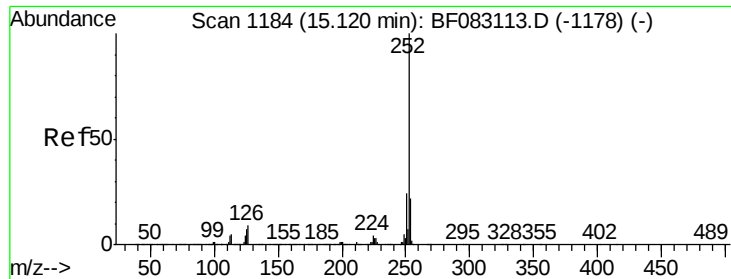
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#88
Benzo(k)fluoranthene
Concen: 33.22 ng m
RT: 14.81 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083129.D
Acq: 22 Nov 2015 00:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	10.3	6.8	10.2#





#89

Benzo(a)pyrene

Concen: 34.28 ng

RT: 15.11 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

Instrument :

BNA_F

ClientSampleId :

PB86781BS

Tot Ion:252 Resp: 1165788

Ion Ratio Lower Upper

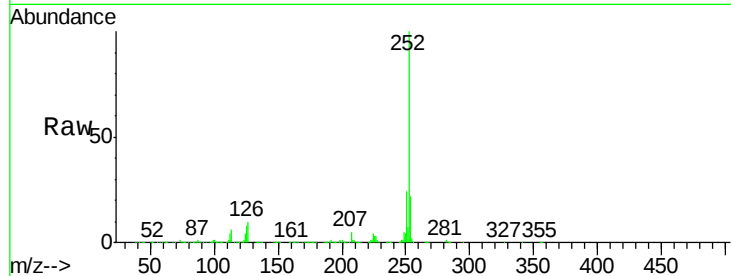
252 100

253 22.4 17.5 26.3

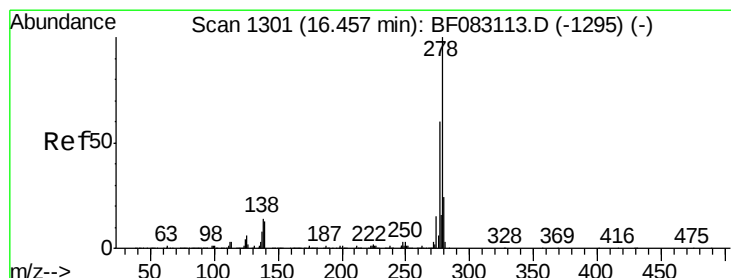
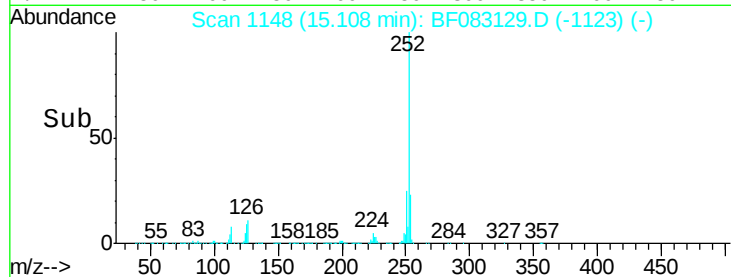
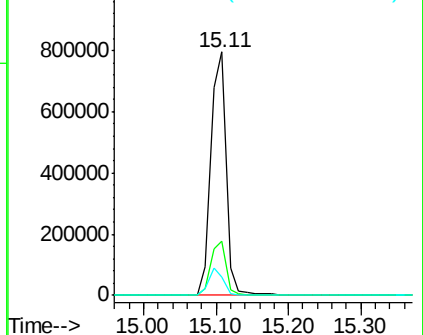
125 7.5 5.4 8.0

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



#90

Dibenzo(a,h)anthracene

Concen: 32.37 ng

RT: 16.43 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF083129.D

Acq: 22 Nov 2015 00:36

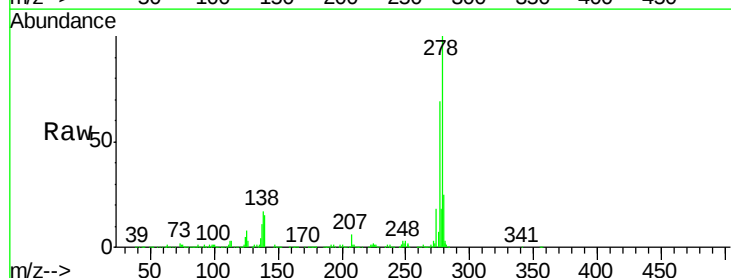
Tgt Ion:278 Resp: 1000126

Ion Ratio Lower Upper

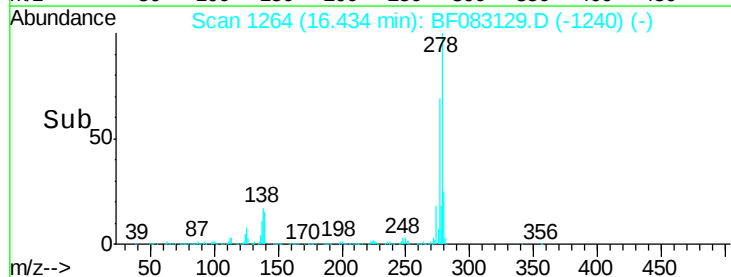
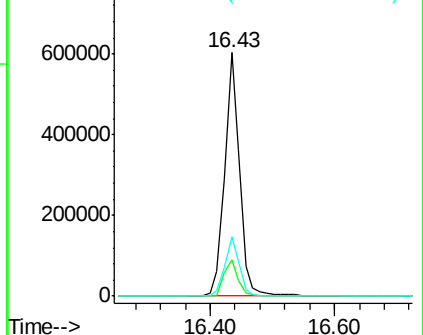
278 100

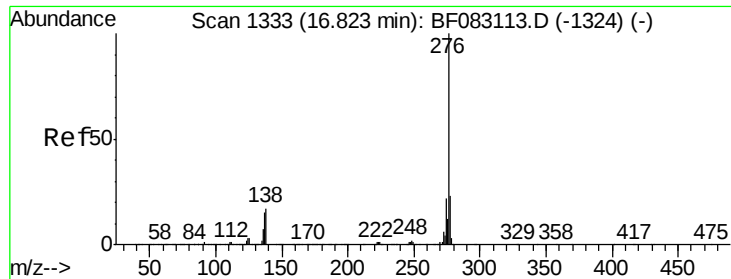
139 15.1 10.7 16.1

279 24.6 19.3 28.9



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





#91
 Benzo(a,h,i)perylene
 Concen: 32.66 ng
 RT: 16.80 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF083129.D
 Acq: 22 Nov 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 PB86781BS

Tot Ion:	276	Resp:	985028
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.7	28.1
138	19.1	13.9	20.9

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:01:32 PM

