

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083806.D
 Acq On : 15 Dec 2015 9:10
 Operator : UM/IZ
 Sample : PB87256BSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Manual Integrations
 APPROVED

MMdadoda
 12/15/2015 6:14:27 PM

Quant Time: Dec 15 17:29:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	106559	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	418666	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	207283	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	398989	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	310489	20.00	ng	-0.02
86) Perylene-d12	15.48	264	252937	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	615683	93.21	ng	-0.01
7) Phenol-d6	6.53	99	697601	83.40	ng	-0.01
23) Nitrobenzene-d5	7.46	82	650510	86.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	192084	90.94	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1138310	78.66	ng	-0.02
78) Terphenyl-d14	13.00	244	1126642	78.05	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	107505	33.66	ng	# 81
3) Pyridine	3.32	79	328782	40.91	ng	# 81
4) n-Nitrosodimethylamine	3.26	42	127321	41.88	ng	# 66
6) Aniline	6.56	93	231551	20.38	ng	90
8) 2-Chlorophenol	6.68	128	334564	43.10	ng	91
9) Benzaldehyde	6.44	77	129677	28.87	ng	87
10) Phenol	6.54	94	380419	39.51	ng	79
11) bis(2-Chloroethyl)ether	6.64	93	321158	46.06	ng	87
12) 1,3-Dichlorobenzene	6.84	146	352723	42.82	ng	98
13) 1,4-Dichlorobenzene	6.92	146	367531	44.15	ng	94
14) 1,2-Dichlorobenzene	7.07	146	316054	42.25	ng	97
15) Benzyl Alcohol	7.04	79	296672	48.28	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.18	45	351401	38.81	ng	71
17) 2-Methylphenol	7.16	107	292202	46.82	ng	# 83
18) Hexachloroethane	7.41	117	123058	41.63	ng	# 81
19) n-Nitroso-di-n-propylamine	7.32	70	232781	45.45	ng	# 82
20) 3+4-Methylphenols	7.31	107	317425	43.09	ng	# 68
22) Acetophenone	7.31	105	419573	40.85	ng	# 96
24) Nitrobenzene	7.48	77	341642	43.86	ng	# 87
25) Isophorone	7.72	82	617184	42.04	ng	# 95
26) 2-Nitrophenol	7.80	139	191634	51.22	ng	# 78
27) 2,4-Dimethylphenol	7.84	122	317155	43.14	ng	97
28) bis(2-Chloroethoxy)methane	7.94	93	400033	47.75	ng	# 96
29) 2,4-Dichlorophenol	8.04	162	282353	46.78	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	277420	44.32	ng	97
31) Naphthalene	8.21	128	977491	44.79	ng	100
32) Benzoic acid	7.96	122	213555	46.61	ng	91
33) 4-Chloroaniline	8.25	127	98803m	11.08	ng	
34) Hexachlorobutadiene	8.33	225	149569	43.55	ng	99
35) Caprolactam	8.62	113	110435m	56.98	ng	
36) 4-Chloro-3-methylphenol	8.74	107	323693	45.85	ng	94
37) 2-Methylnaphthalene	8.90	142	630331	46.01	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	275937	45.13	ng	# 100
40) Hexachlorocyclopentadiene	9.06	237	297045	95.86	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	200148	44.72	nq	99
43) 2,4,5-Trichlorophenol	9.22	196	207337	48.83	nq	97
45) 1,1'-Biphenyl	9.37	154	817078	44.48	nq	96
46) 2-Chloronaphthalene	9.39	162	617775	45.56	nq	96
47) 2-Nitroaniline	9.48	65	199608	51.90	nq	# 56
48) Acenaphthylene	9.80	152	931578	40.83	nq	99
49) Dimethylphthalate	9.66	163	688652	42.61	nq	100
50) 2,6-Dinitrotoluene	9.72	165	158707	46.27	nq	# 85
51) Acenaphthene	9.97	154	656144	47.57	nq	100
52) 3-Nitroaniline	9.88	138	73628	18.62	nq	88
53) 2,4-Dinitrophenol	10.00	184	181376	91.49	nq	# 82
54) Dibenzofuran	10.14	168	811952	44.43	nq	# 91
55) 4-Nitrophenol	10.05	139	262812	89.76	nq	85
56) 2,4-Dinitrotoluene	10.12	165	221257	49.38	nq	# 85
57) Fluorene	10.49	166	601222	41.78	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.27	232	162536	51.04	nq	# 100
59) Diethylphthalate	10.36	149	712588	43.55	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	277989	42.36	nq	# 81
61) 4-Nitroaniline	10.50	138	161051	46.21	nq	88
62) Azobenzene	10.64	77	693528	46.50	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	121566	53.55	nq	# 76
65) n-Nitrosodiphenylamine	10.60	169	645215	47.28	nq	97
66) 4-Bromophenyl-phenylether	10.97	248	187067	41.93	nq	# 86
67) Hexachlorobenzene	11.04	284	206231	42.72	nq	96
68) Atrazine	11.13	200	192441	49.57	nq	98
69) Pentachlorophenol	11.23	266	244092	89.65	nq	98
70) Phenanthrene	11.45	178	927642	43.77	nq	98
71) Anthracene	11.50	178	1006596	45.73	nq	99
72) Carbazole	11.65	167	1023953	49.92	nq	96
73) Di-n-butylphthalate	11.99	149	1059367	42.53	nq	99
74) Fluoranthene	12.64	202	1091324	49.83	nq	96
76) Benzidine	12.75	184	313818	33.17	nq	96
77) Pyrene	12.87	202	1097645	44.73	nq	99
79) Butylbenzylphthalate	13.48	149	515256	48.92	nq	87
80) Benzo(a)anthracene	14.04	228	815940	46.21	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	197728	31.05	nq	# 96
82) Chrysene	14.08	228	764440	44.39	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	529302	44.15	nq	98
84) Di-n-octyl phthalate	14.65	149	906723	47.60	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.92	276	743662	43.97	nq	# 100
87) Benzo(b)fluoranthene	15.08	252	856694m	53.09	nq	
88) Benzo(k)fluoranthene	15.11	252	574261m	39.28	nq	
89) Benzo(a)pyrene	15.44	252	706588	49.07	nq	# 95
90) Dibenzo(a,h)anthracene	16.93	278	609166	42.54	nq	96
91) Benzo(g,h,i)perylene	17.35	276	632298	42.96	nq	99

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

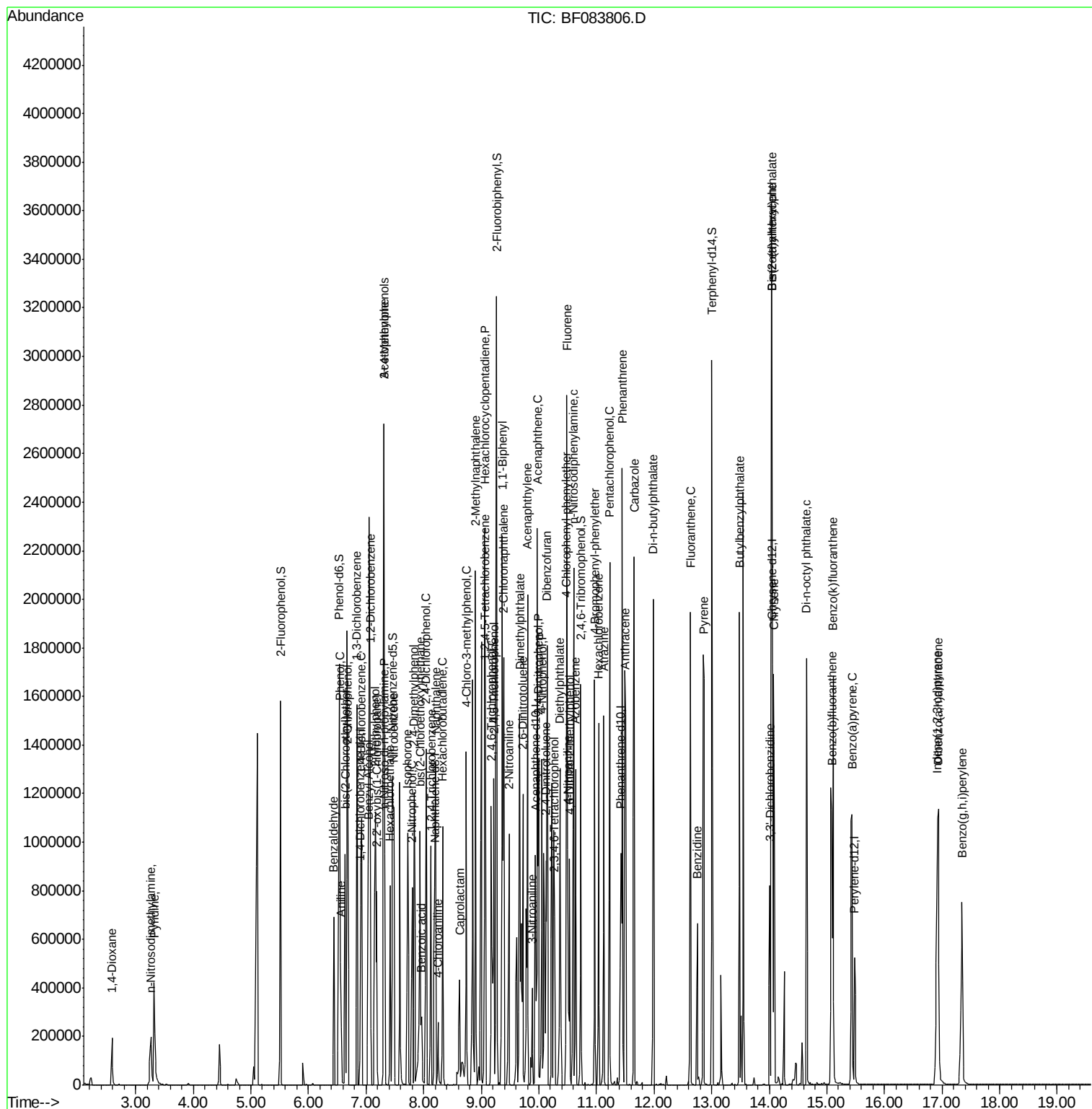
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Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\  
Data File : BF083806.D  
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Operator  : UM/IZ  
Sample    : PB87256BSD  
Misc      :  
ALS Vial  : 39    Sample Multiplier: 1
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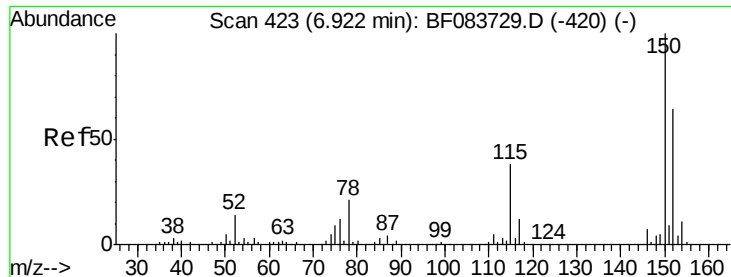
Instrument :
BNA_F
ClientSampleId :
PB87256BSD

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#1

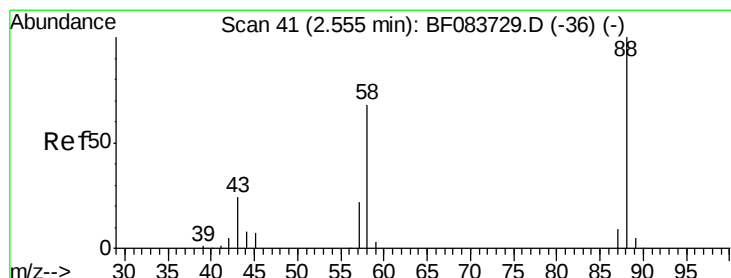
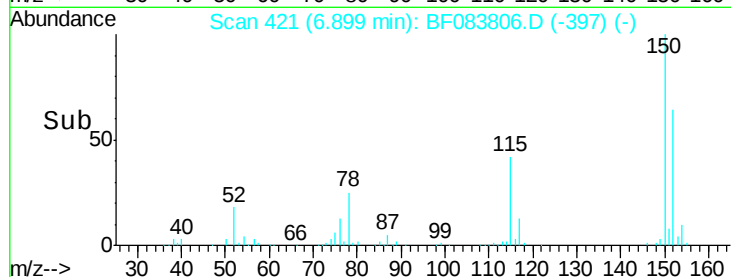
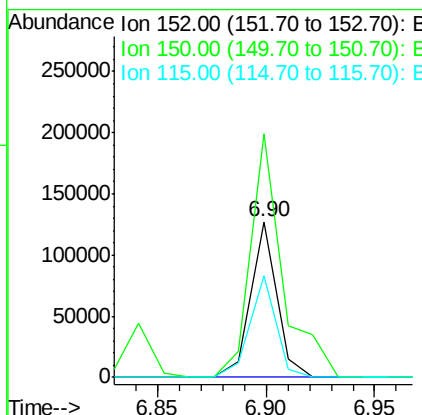
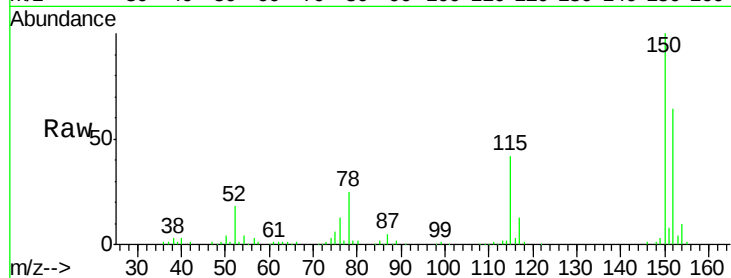
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.5	189.7
115	65.3	52.3	78.5

Manual Integrations
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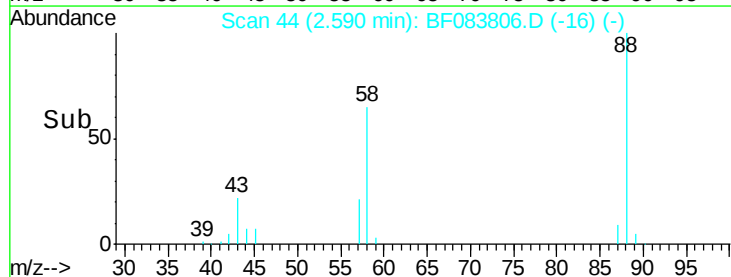
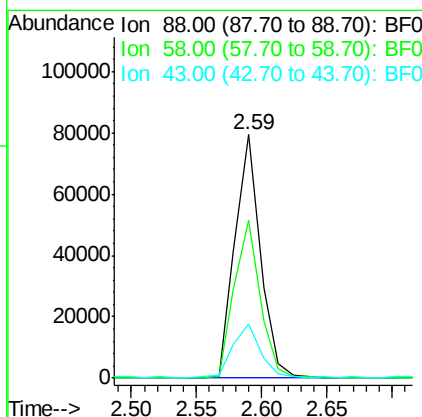
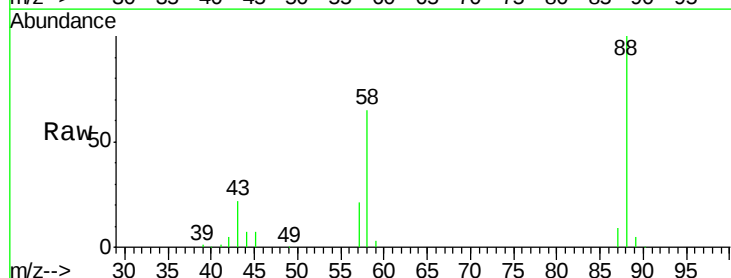
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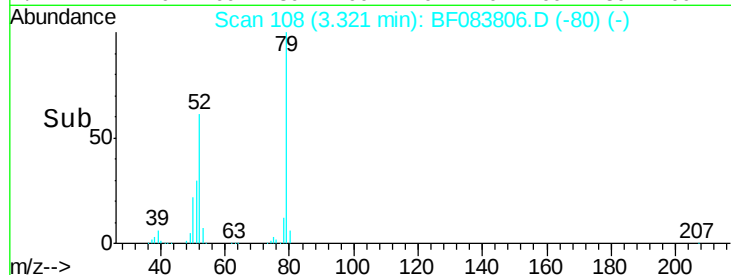
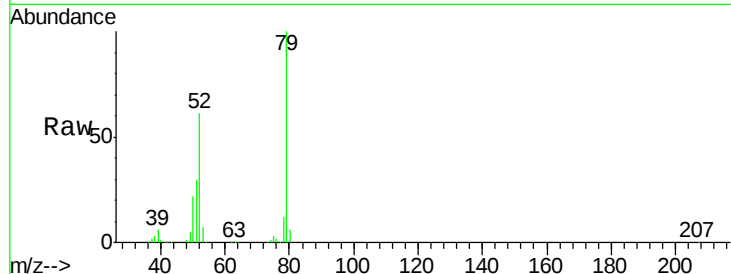
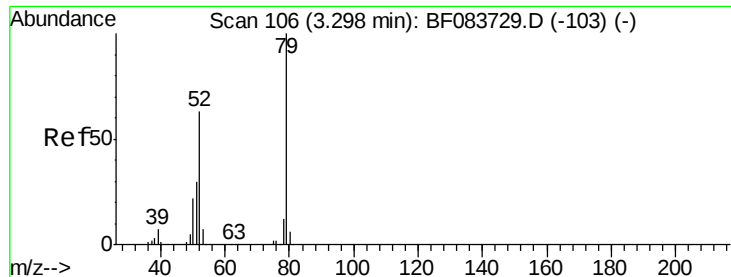


#2

1,4-Dioxane
Concen: 33.66 ng
RT: 2.59 min Scan# 44
Delta R.T. 0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.3	68.0	102.0#
43	26.3	27.9	41.9#





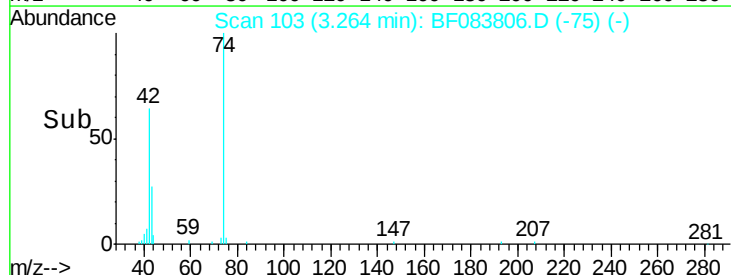
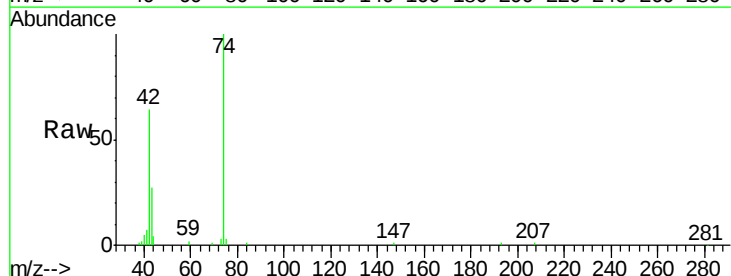
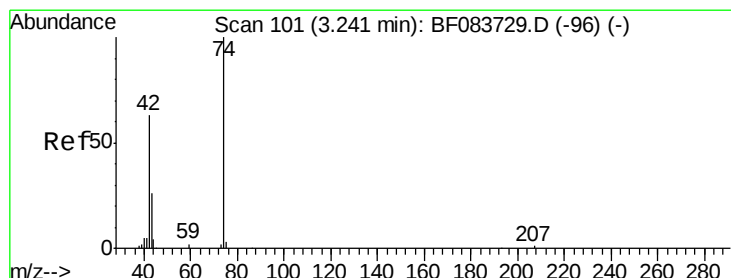
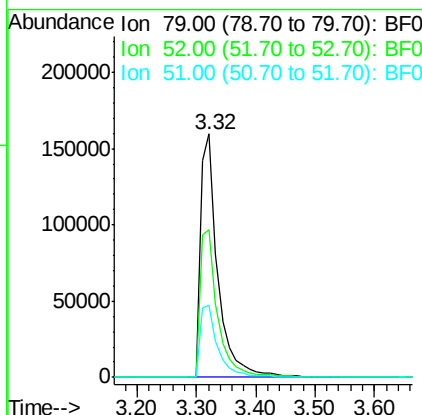
#3
 Pvridine
 Concen: 40.91 ng
 RT: 3.32 min Scan# 108
 Delta R.T. 0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		328782		
52	60.7	63.7	95.5#		
51	29.6	30.6	45.8#		

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

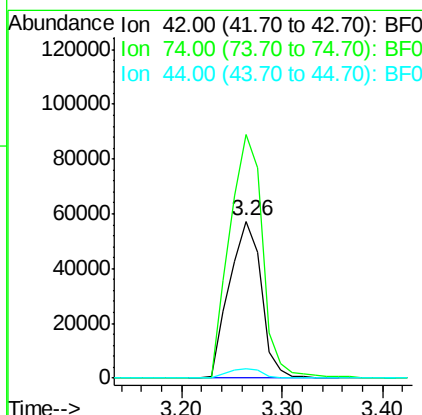
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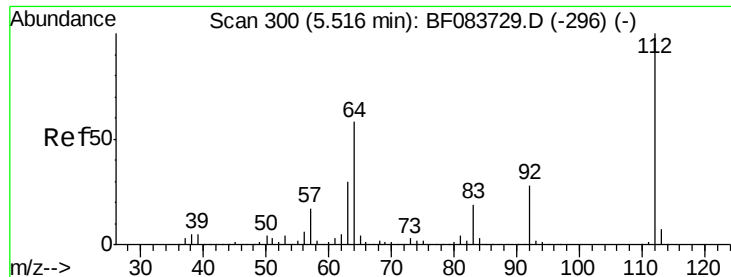
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#4
 n-Nitrosodimethylamine
 Concen: 41.88 ng
 RT: 3.26 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		127321		
74	155.1	92.9	139.3#		
44	6.3	5.7	8.5		





#5

2-Fluorophenol

Concen: 93.21 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

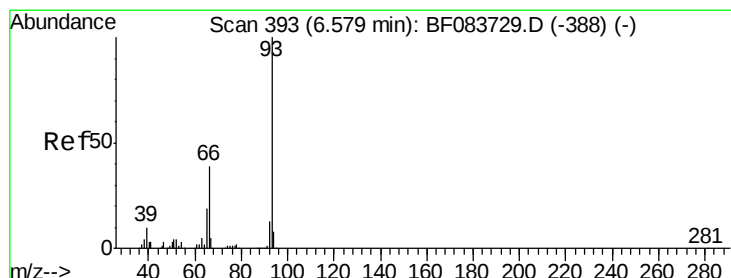
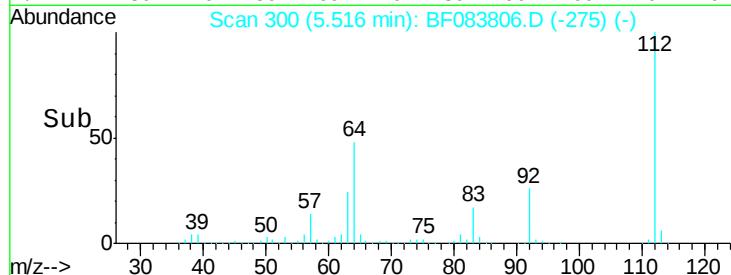
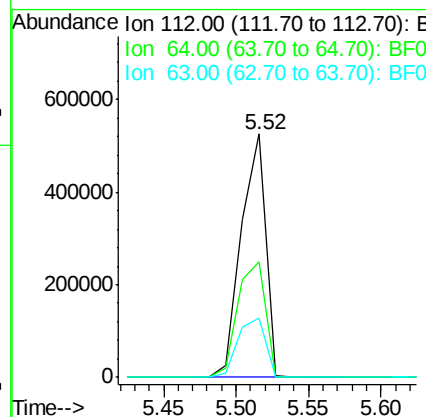
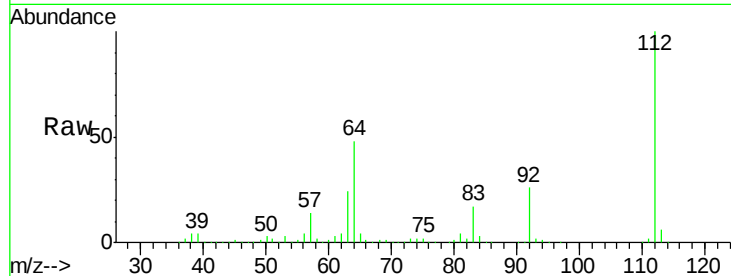
ClientSampleId :

PB87256BSD

Tot Ion:	112	Resp:	615683
Ion Ratio	Lower	Upper	
112	100		
64	47.6	50.5	75.7#
63	24.4	25.8	38.6#

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#6

Aniline

Concen: 20.38 ng

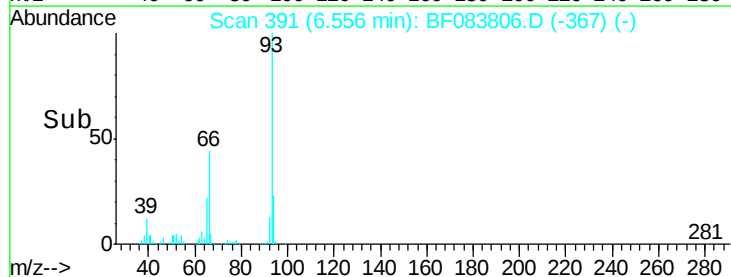
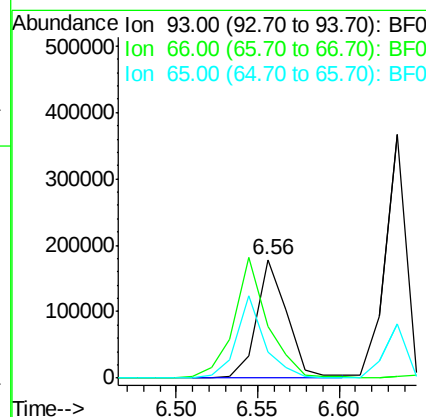
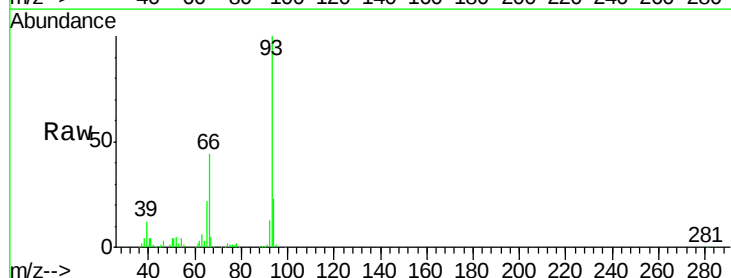
RT: 6.56 min Scan# 391

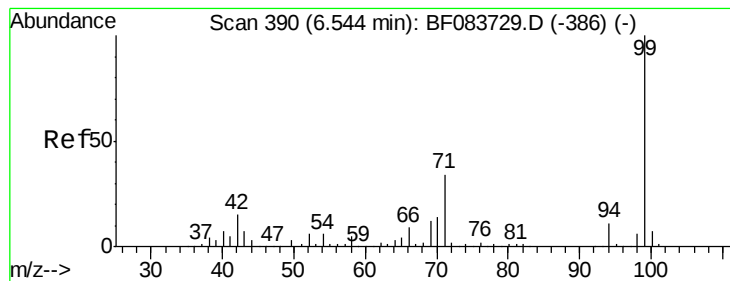
Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	93	Resp:	231551
Ion Ratio	Lower	Upper	
93	100		
66	43.9	41.3	61.9
65	21.8	20.8	31.2





#7

Phenol-d6

Concen: 83.40 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

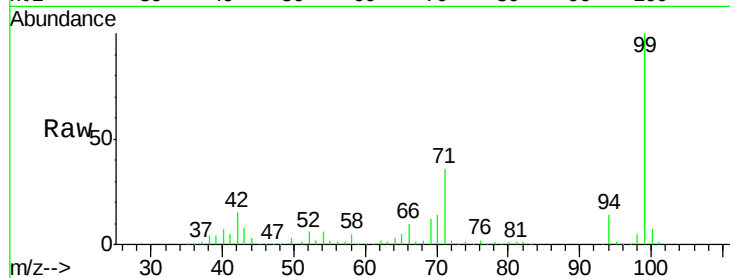
ClientSampleId :

PB87256BSD

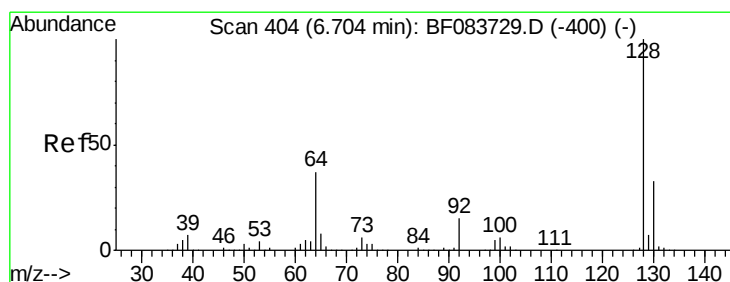
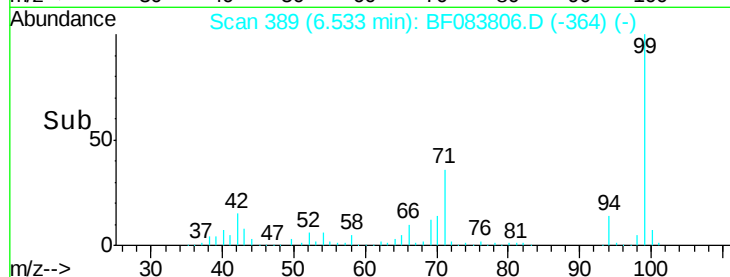
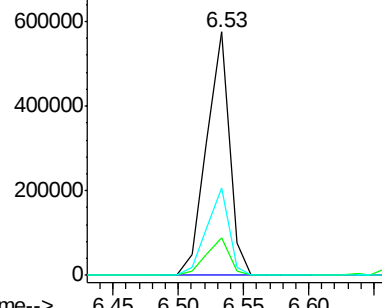
Tot Ion:	99	Resp:	697601
Ion Ratio	Lower	Upper	
99	100		
42	15.4	17.3	25.9#
71	35.9	26.6	40.0

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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: 43.10 ng

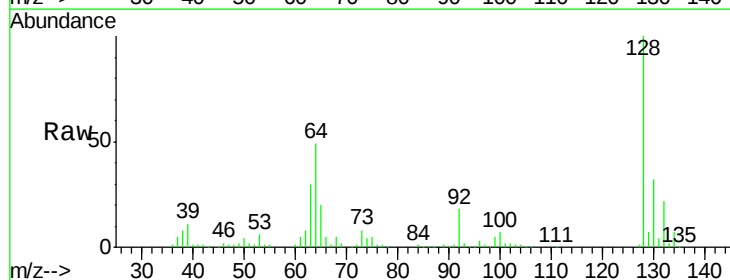
RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

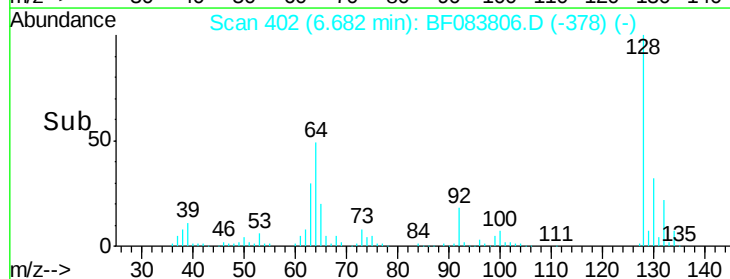
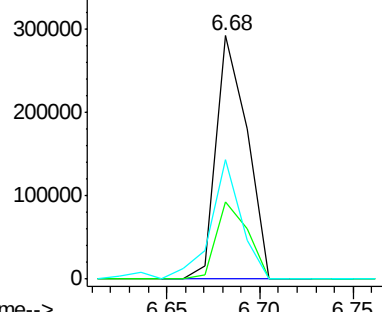
Lab File: BF083806.D

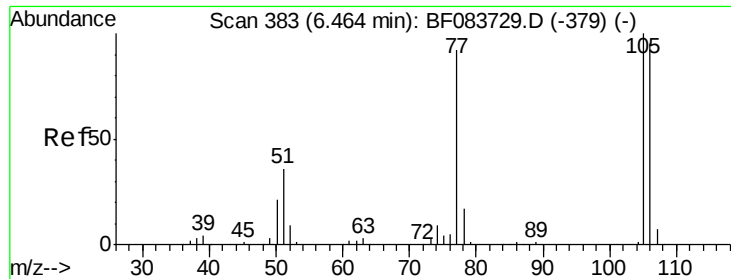
Acq: 15 Dec 2015 9:10

Tgt Ion:	128	Resp:	334564
Ion Ratio	Lower	Upper	
128	100		
130	31.8	12.6	52.6
64	49.2	38.6	78.6



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: 28.87 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

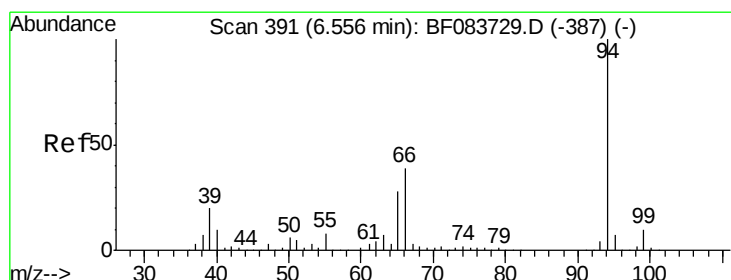
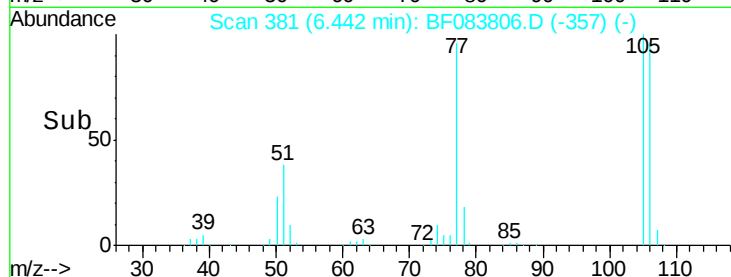
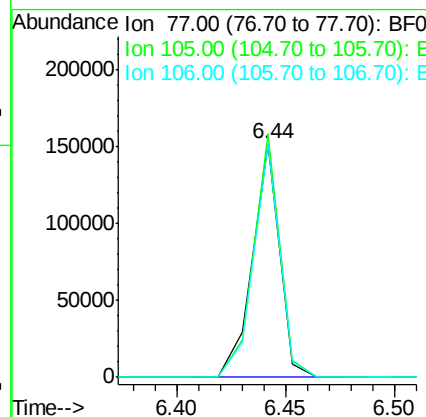
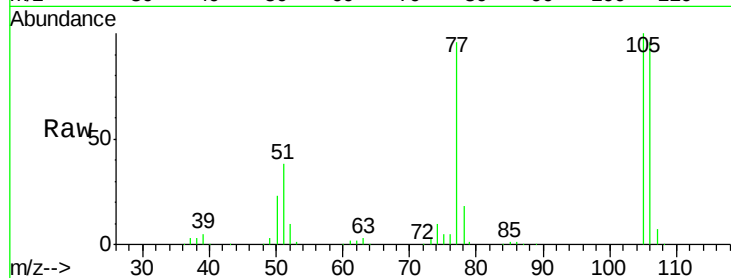
ClientSampleId :

PB87256BSD

Tot Ion:	77	Resp:	129677
Ion Ratio	Lower	Upper	
77	100		
105	104.2	71.8	111.8
106	99.7	66.8	106.8

Manual Integrations
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#10

Phenol

Concen: 39.51 ng

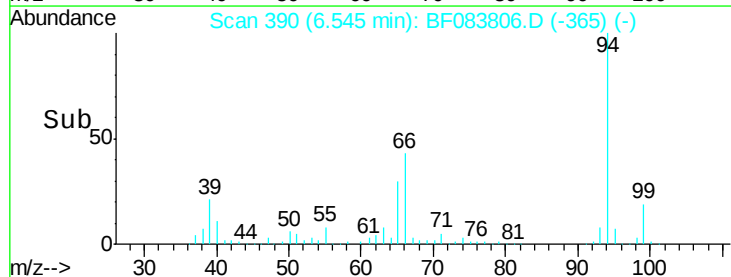
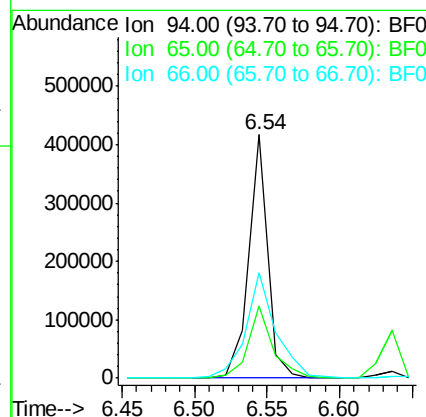
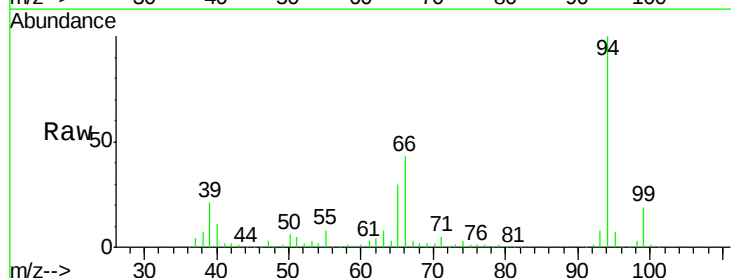
RT: 6.54 min Scan# 390

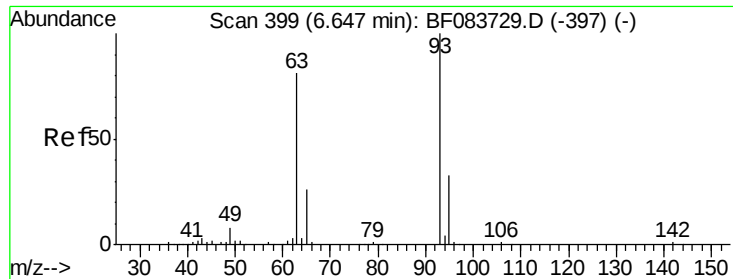
Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	94	Resp:	380419
Ion Ratio	Lower	Upper	
94	100		
65	29.8	20.9	60.9
66	43.5	41.6	81.6





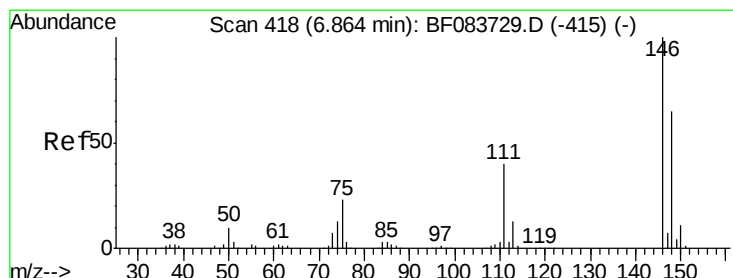
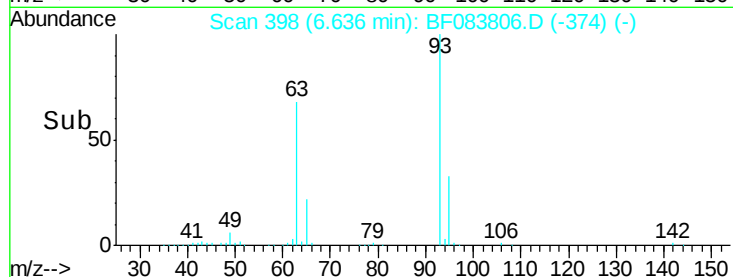
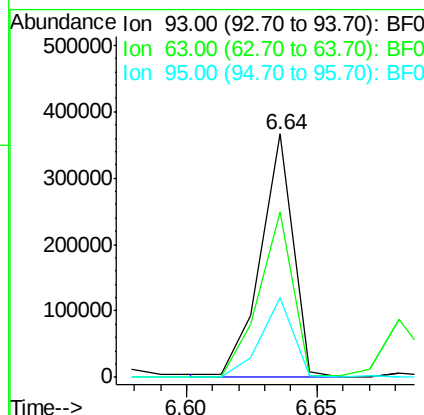
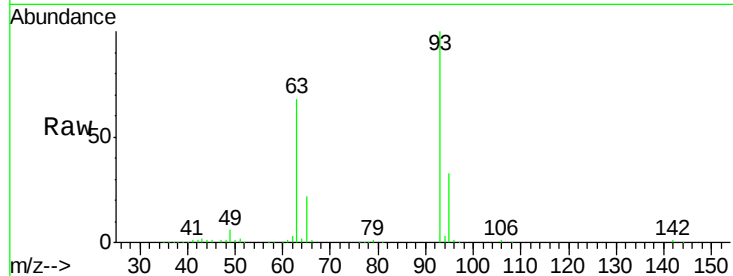
#11
bis(2-Chloroethyl)ether
Concen: 46.06 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.0	64.7	104.7
95	32.9	12.7	52.7

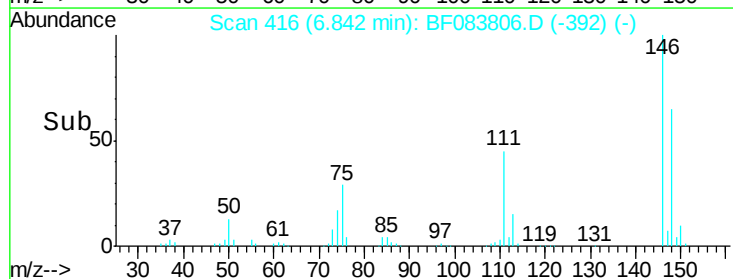
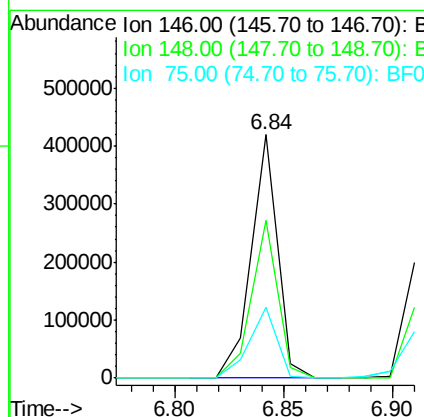
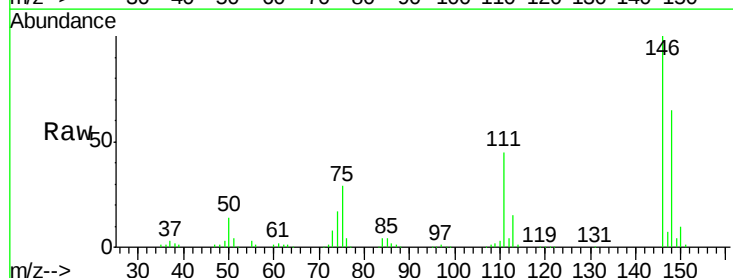
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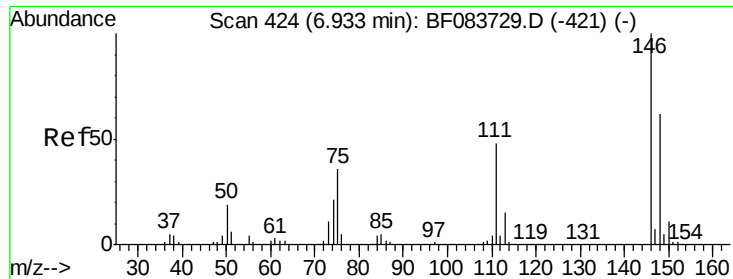
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#12
1,3-Dichlorobenzene
Concen: 42.82 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.3	76.9
75	28.9	24.1	36.1





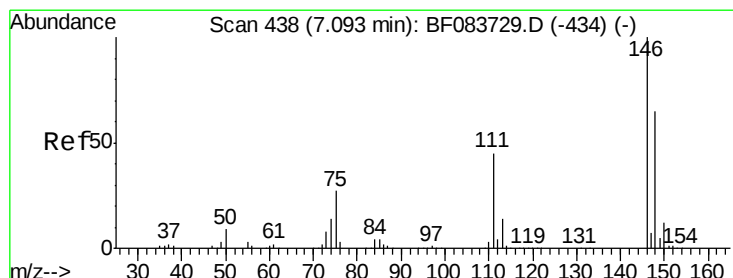
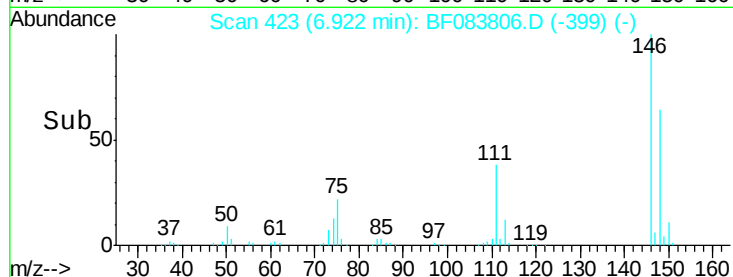
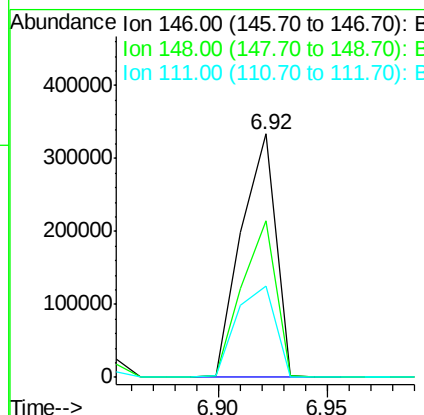
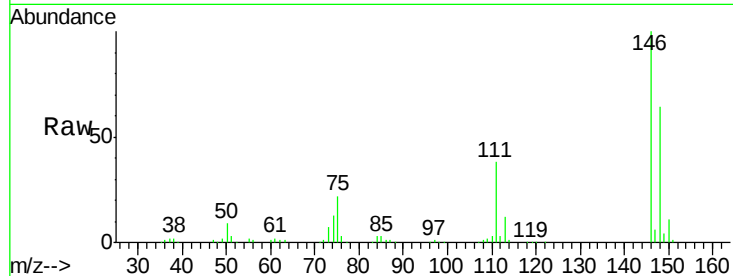
#13
 1,4-Dichlorobenzene
 Concen: 44.15 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
111	37.6	36.1	54.1

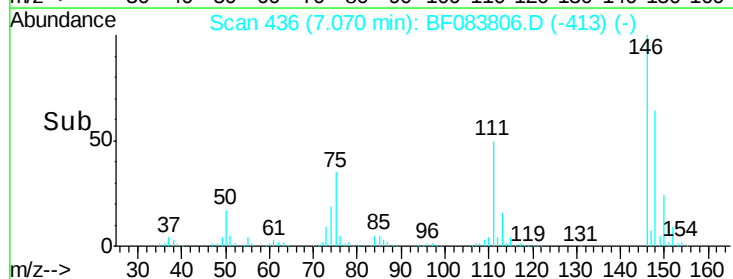
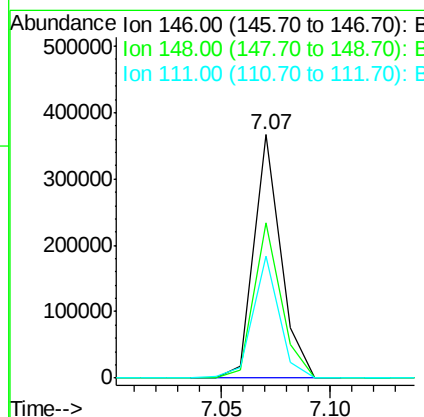
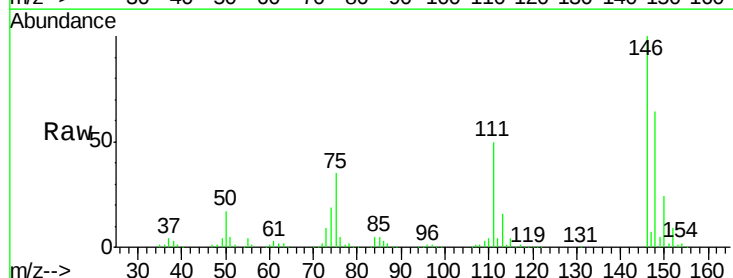
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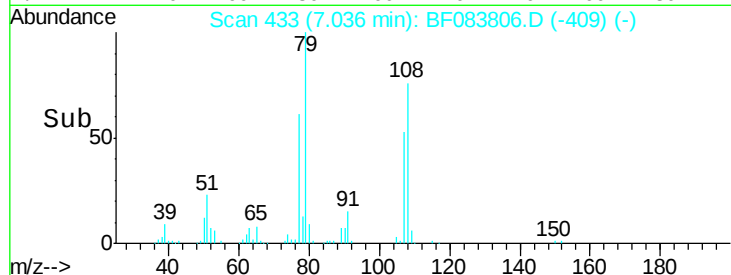
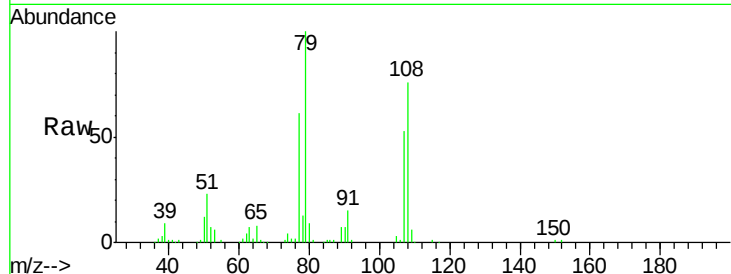
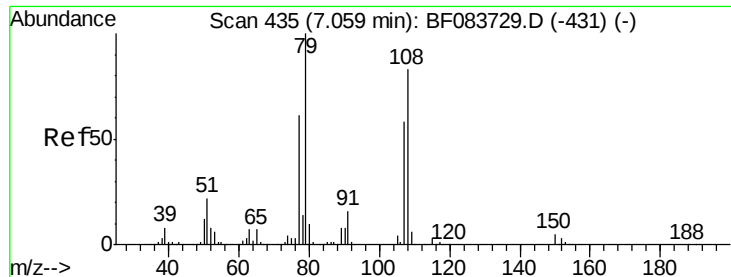
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#14
 1,2-Dichlorobenzene
 Concen: 42.25 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	50.1	36.7	55.1





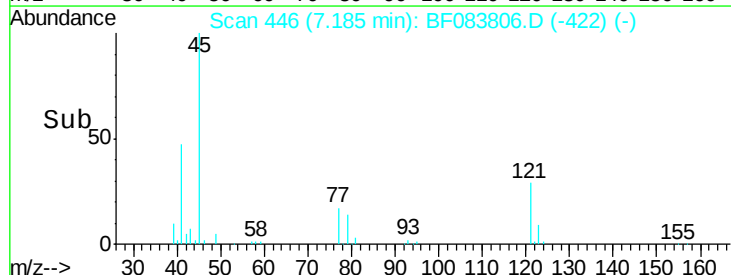
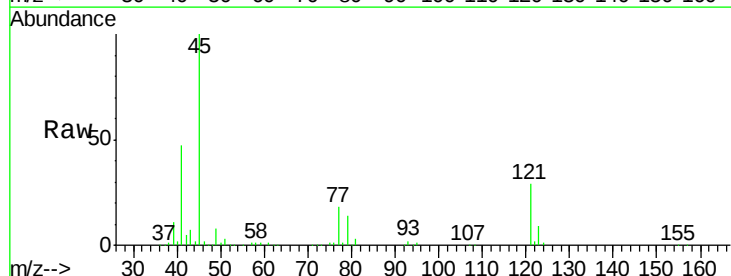
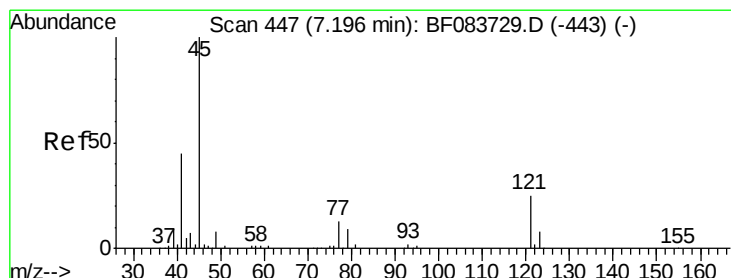
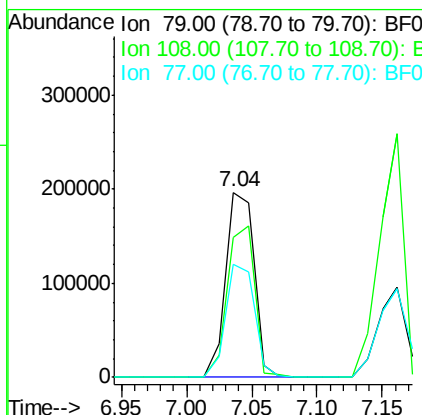
#15
Benzvl Alcohol
Concen: 48.28 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tot Ion	Ratio	Resp	Lower	Upper
79	100	296672		
108	75.9	59.6	89.4	
77	61.0	49.8	74.6	

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

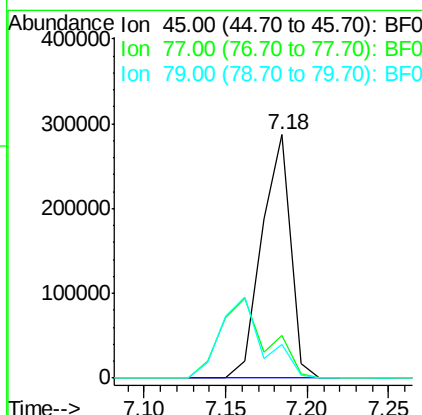
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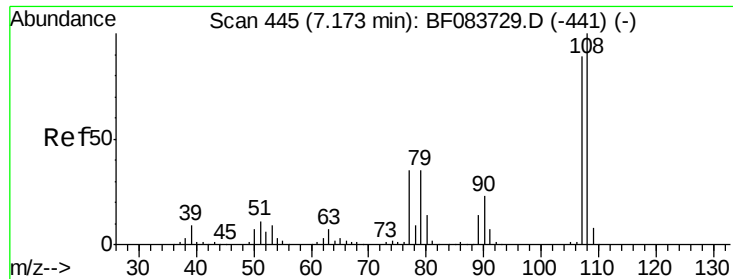
MMdadoda
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.81 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	351401		
77	17.7	12.8	52.8	
79	13.9	10.7	50.7	





#17

2-Methylphenol

Concen: 46.82 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

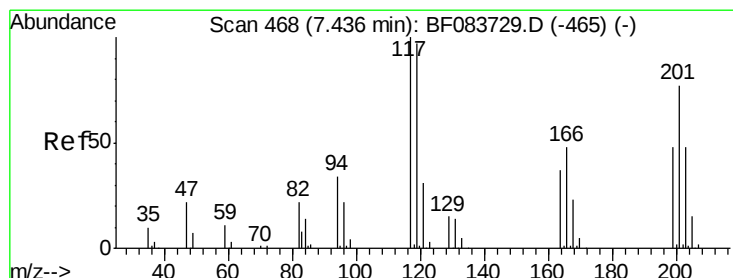
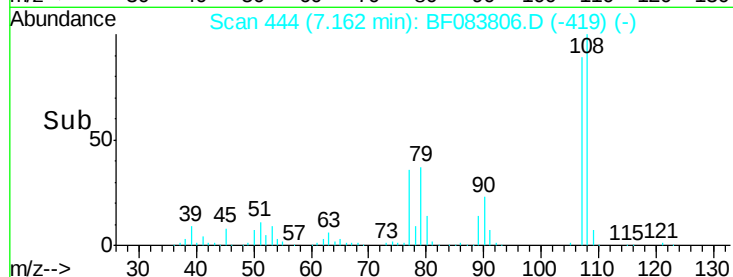
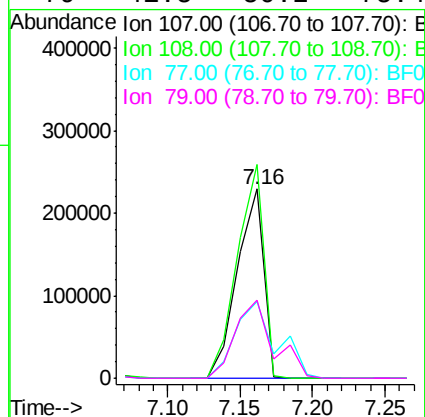
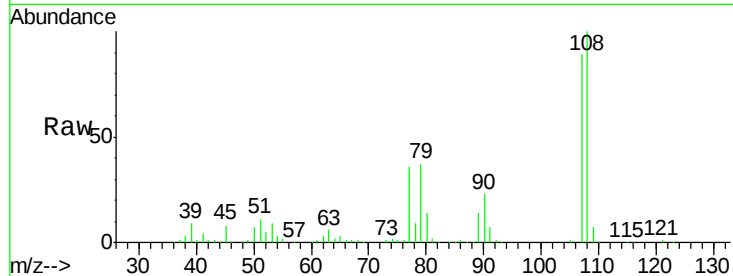
ClientSampleId :

PB87256BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		292202		
108	113.0	91.6	137.4		
77	40.9	53.7	80.5#		
79	41.5	50.2	75.4#		

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#18

Hexachloroethane

Concen: 41.63 ng

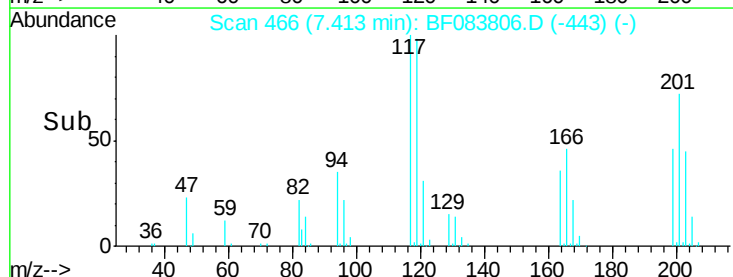
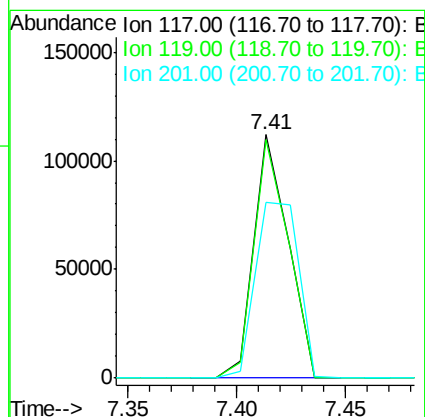
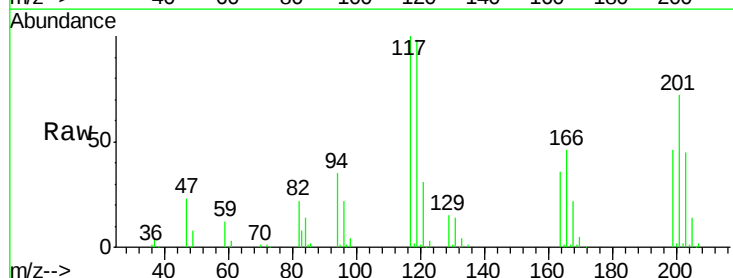
RT: 7.41 min Scan# 466

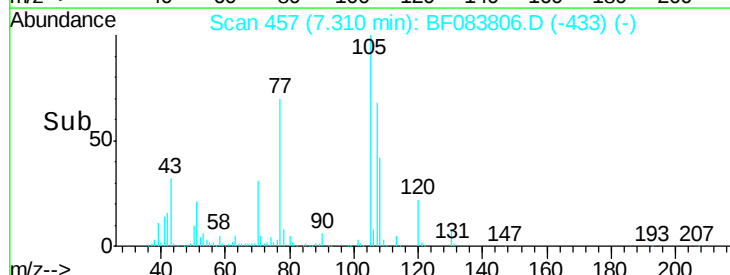
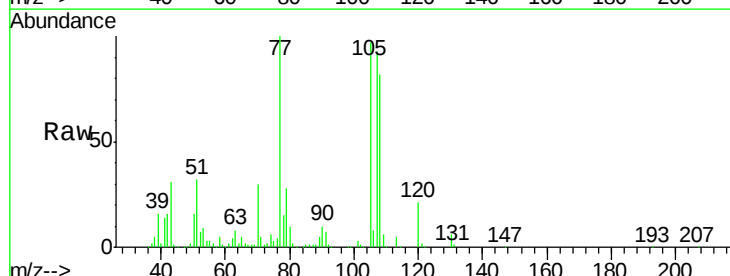
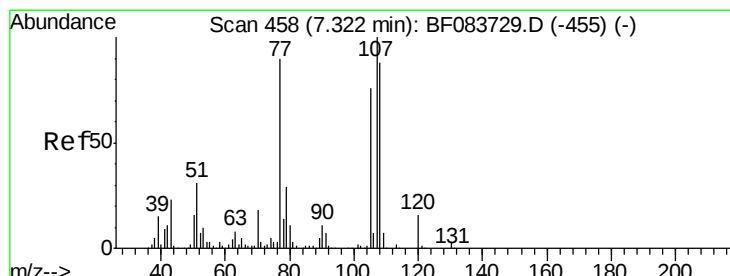
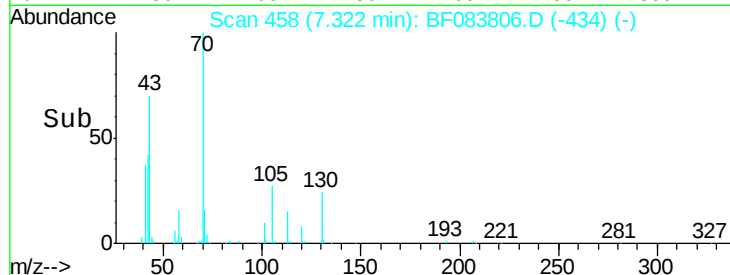
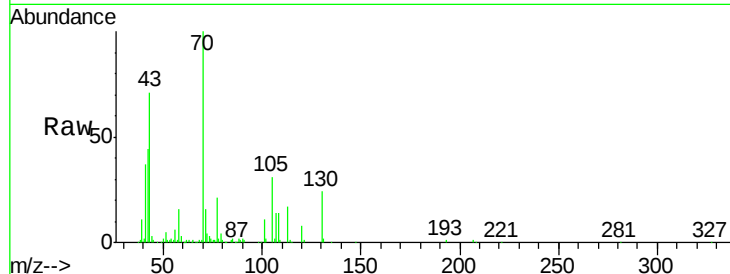
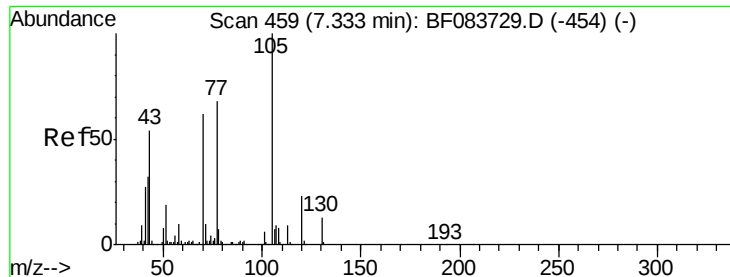
Delta R.T. -0.03 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		123058		
119	97.9	77.2	115.8		
201	72.1	86.8	130.2#		





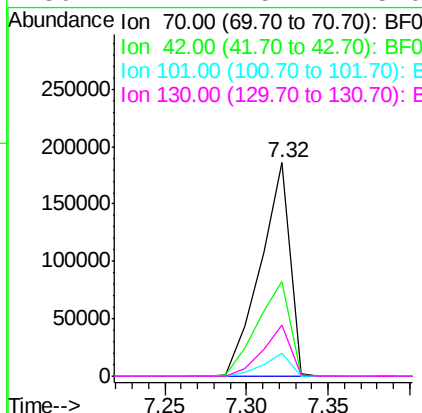
#19
n-Nitroso-di-n-propylamine
Concen: 45.45 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	44.3	49.2	73.8#
101	10.5	7.1	10.7
130	24.2	15.4	23.0#

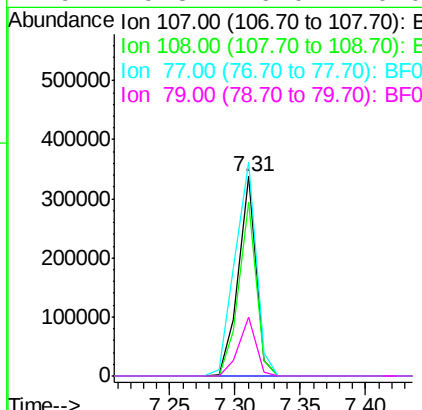
Manual Integrations
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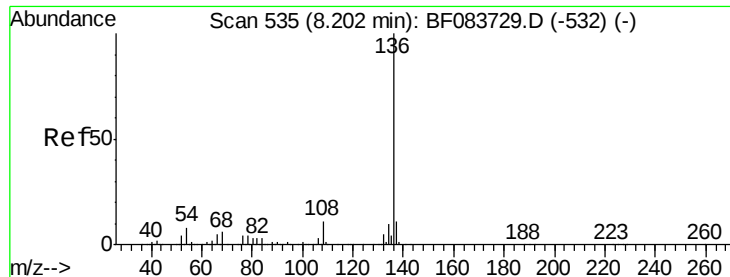
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#20
3+4-Methylphenols
Concen: 43.09 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.4	65.2	105.2
77	107.1	15.2	55.2#
79	29.8	6.0	46.0





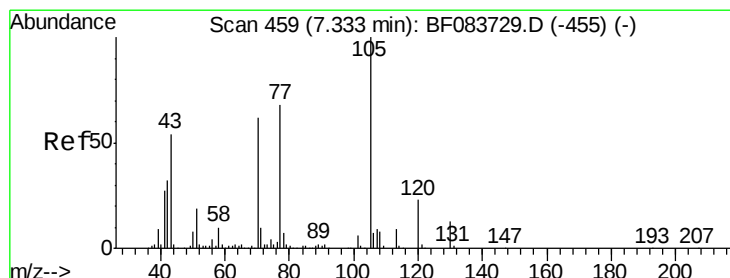
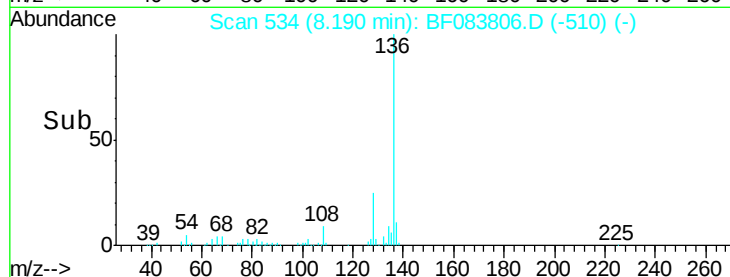
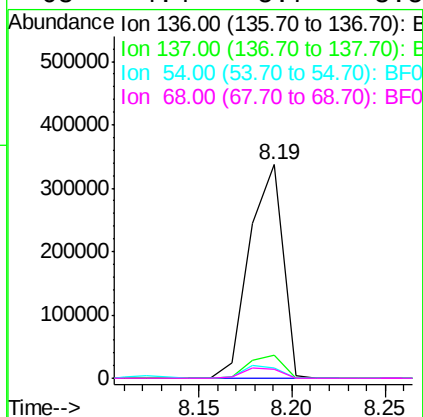
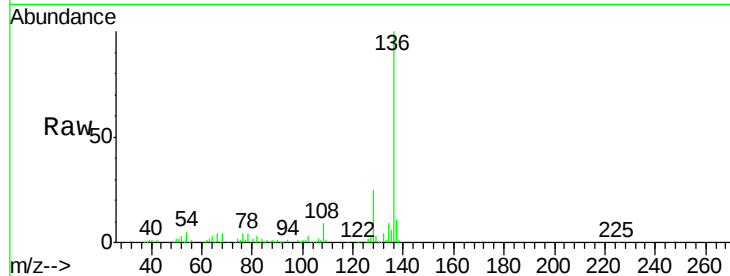
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.7	13.1	
54	5.1	7.8	11.6	
68	4.4	5.7	8.5	

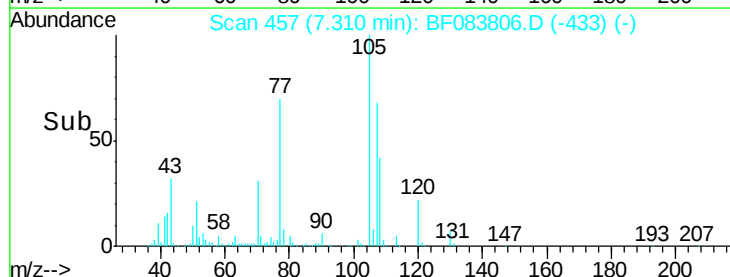
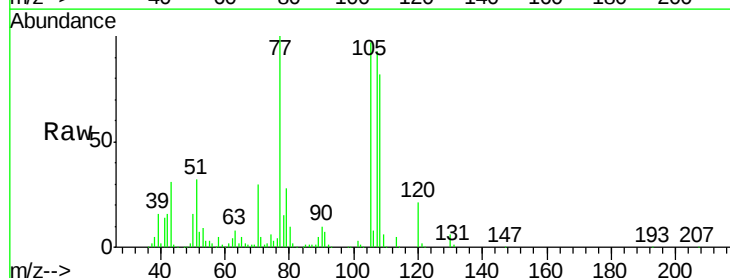
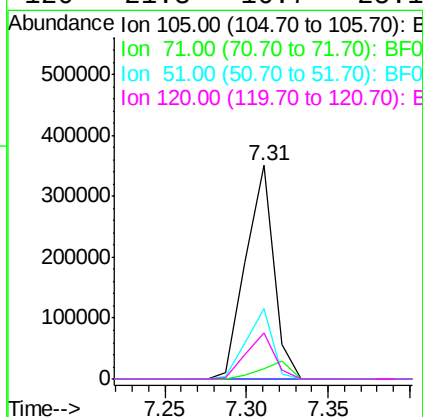
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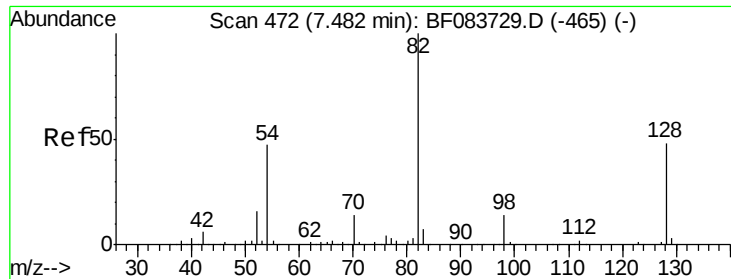
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#22
Acetophenone
Concen: 40.85 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.1	1.3	1.9	
51	33.3	23.8	35.8	
120	21.3	16.7	25.1	





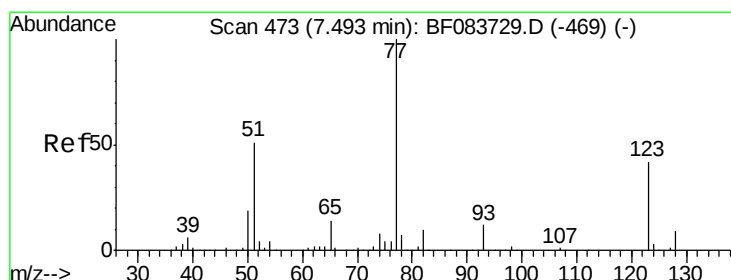
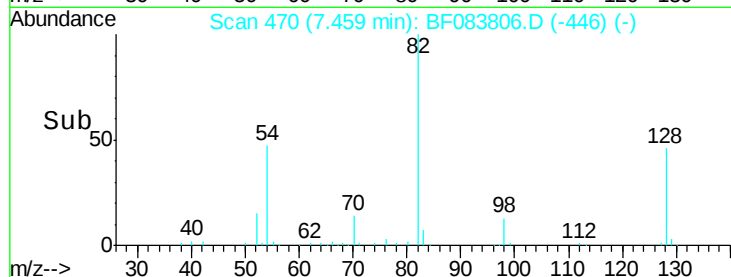
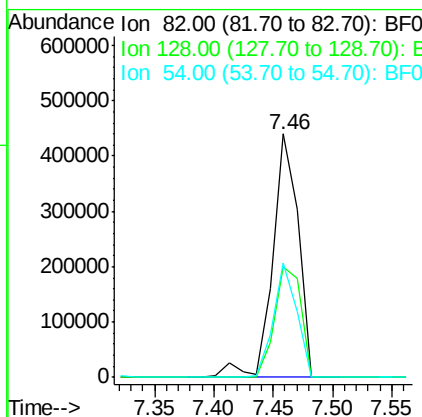
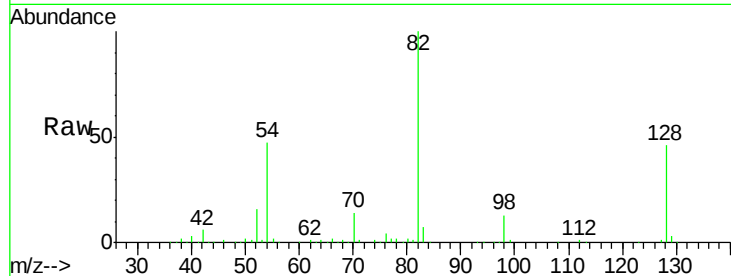
#23
Nitrobenzene-d5
Concen: 86.93 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	650510		
128	45.6	30.7	46.1	
54	46.9	42.5	63.7	

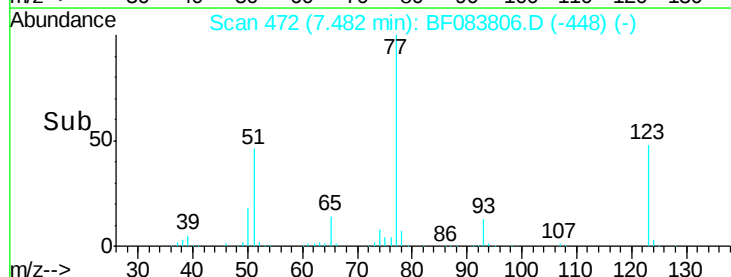
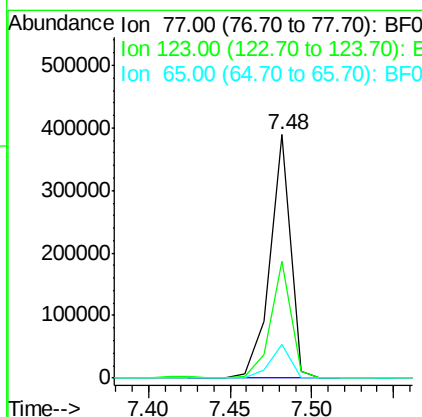
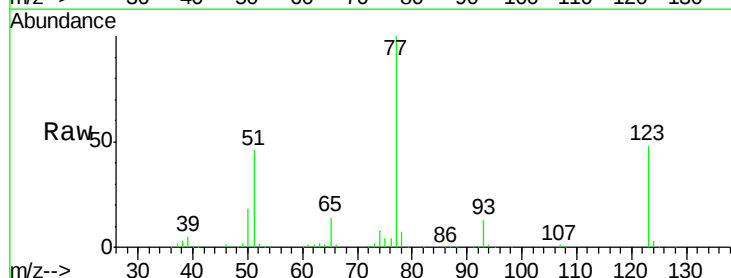
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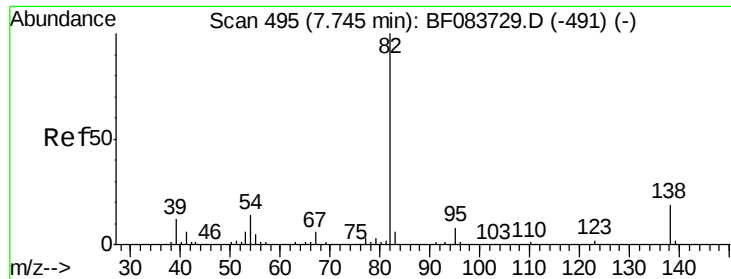
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#24
Nitrobenzene
Concen: 43.86 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	341642		
123	48.1	29.8	44.6#	
65	13.8	11.1	16.7	





#25

Isophorone

Concen: 42.04 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

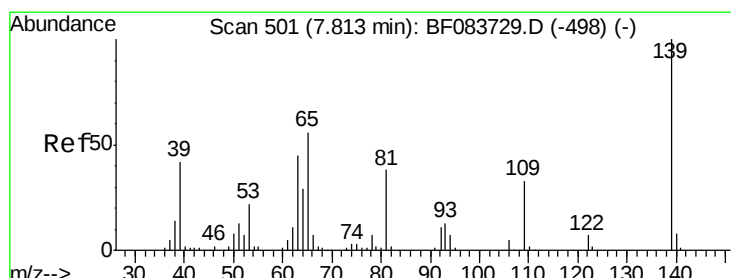
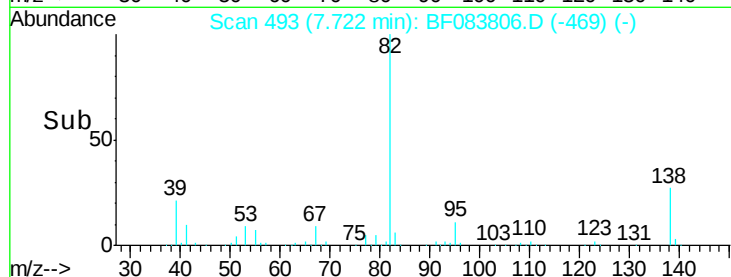
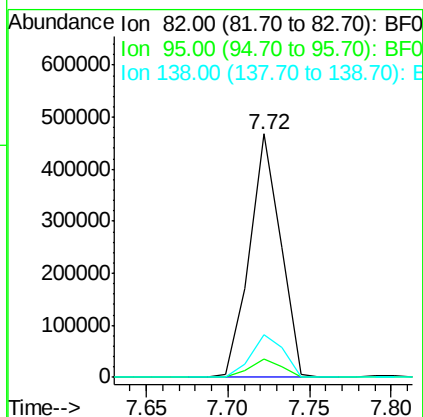
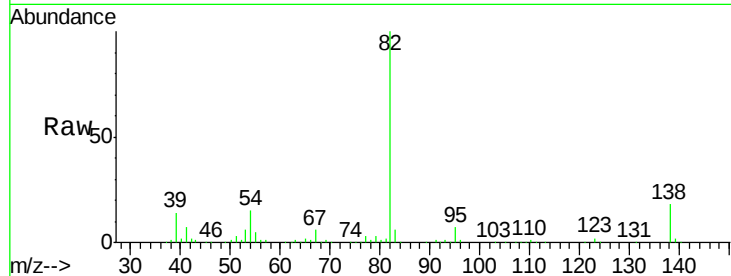
ClientSampleId :

PB87256BSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.0	7.4#
138	17.6	12.1	18.1

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#26

2-Nitrophenol

Concen: 51.22 ng

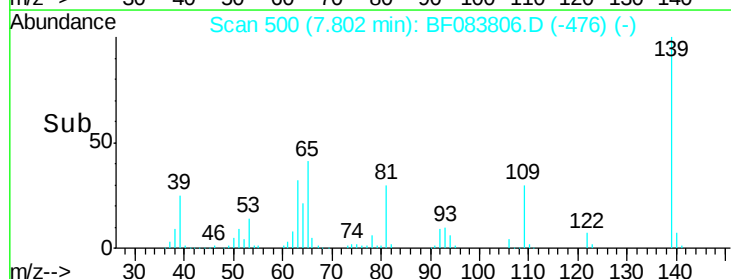
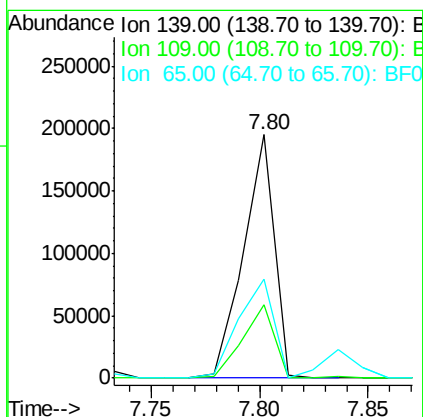
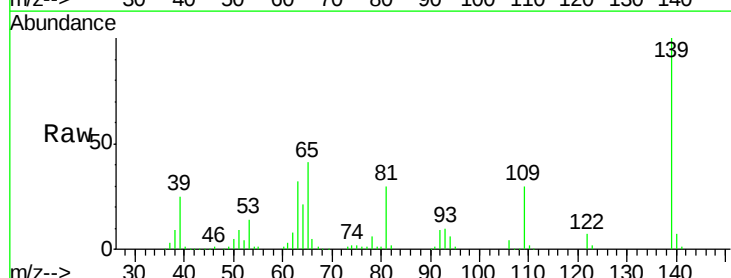
RT: 7.80 min Scan# 500

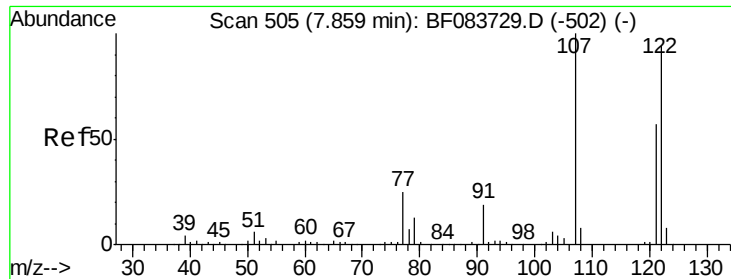
Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	30.2	22.7	34.1
65	40.8	51.8	77.8#





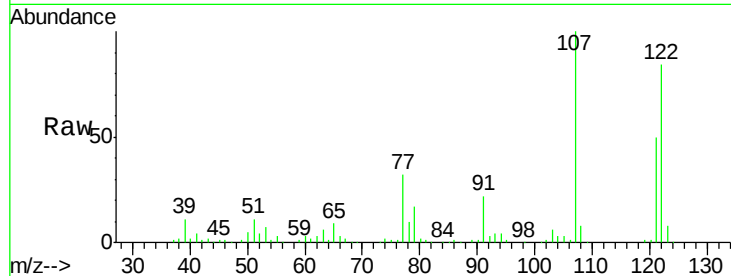
#27
2,4-Dimethylphenol
Concen: 43.14 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

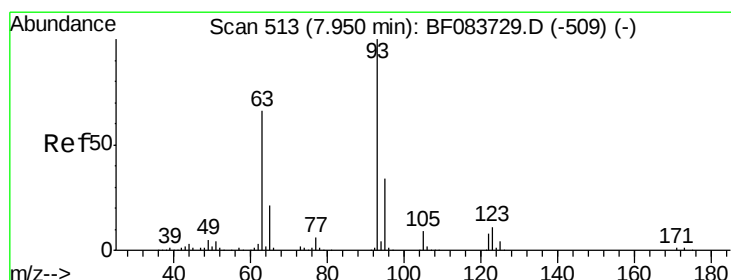
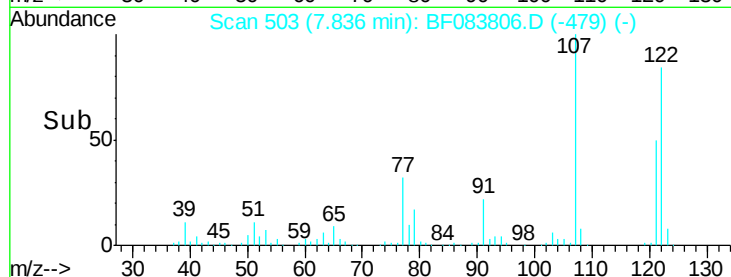
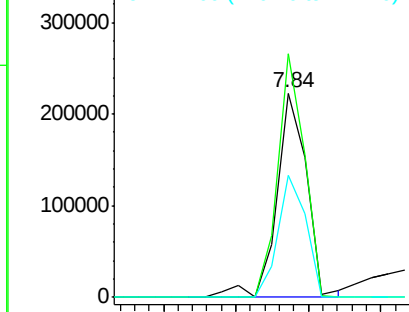
Tot Ion	Ratio	Resp Lower	Upper
122	100		
107	119.3	92.4	138.6
121	59.7	45.8	68.6

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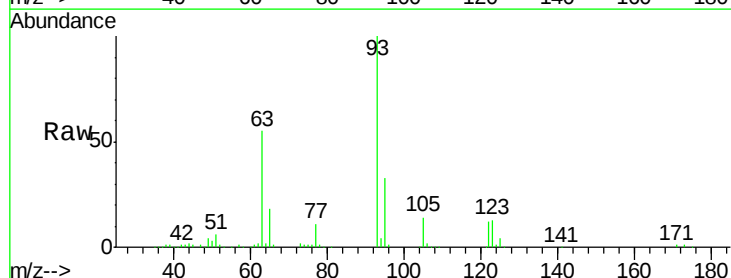


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

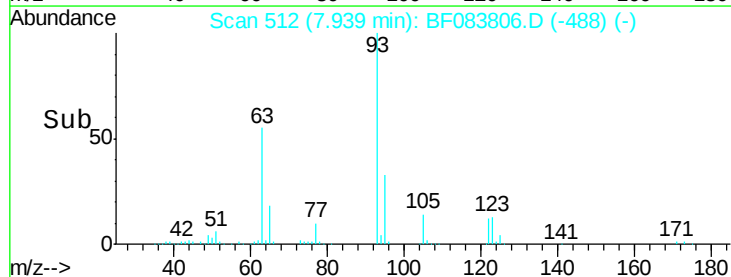
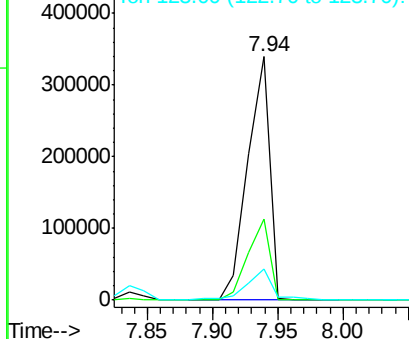


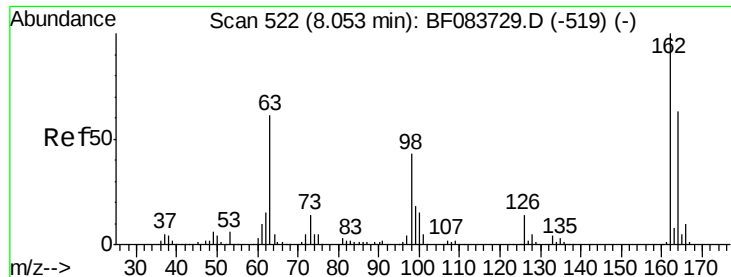
#28
bis(2-Chloroethoxy)methane
Concen: 47.75 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
95	33.4	25.6	38.4
123	12.9	7.3	10.9



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





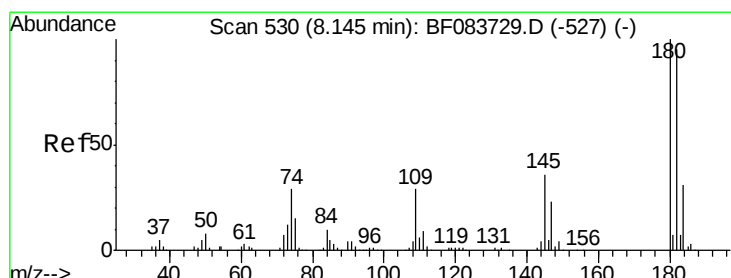
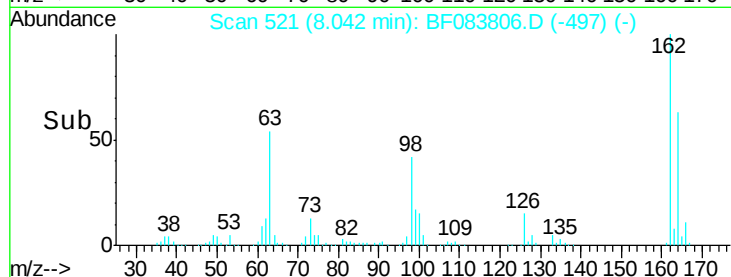
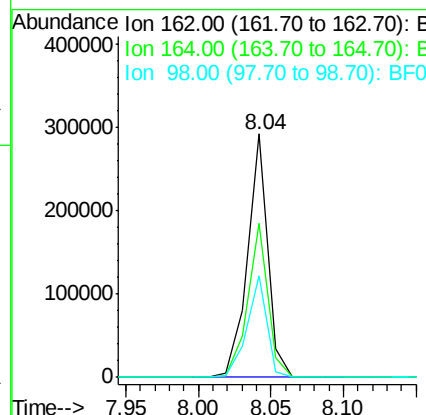
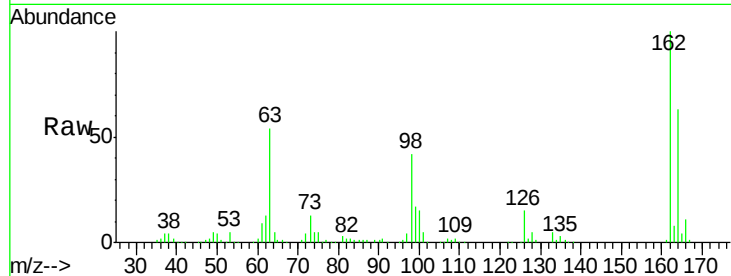
#29
2,4-Dichlorophenol
Concen: 46.78 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion:	162	Resp:	282353
Ion Ratio		Lower	Upper
162	100		
164	63.4	43.4	83.4
98	41.7	17.5	57.5

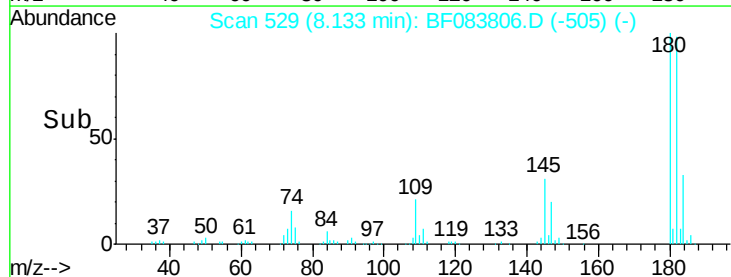
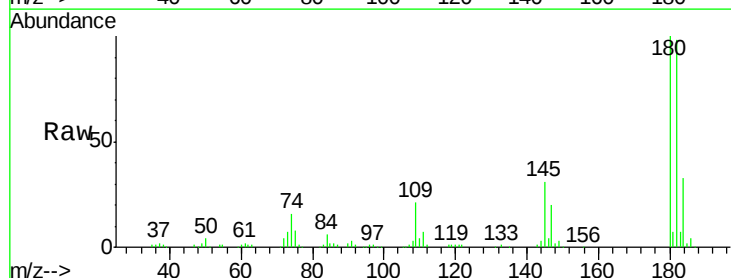
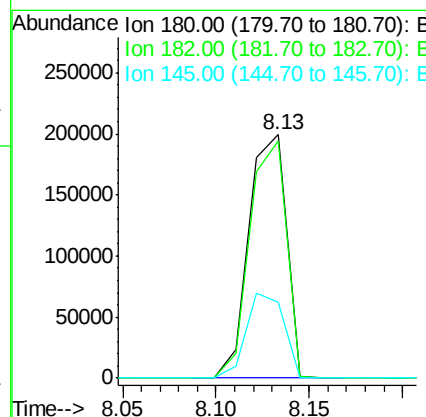
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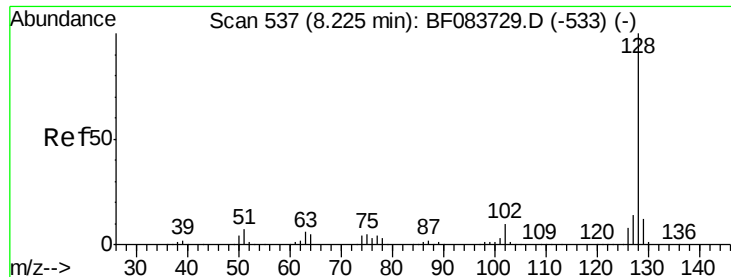
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#30
1,2,4-Trichlorobenzene
Concen: 44.32 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion:	180	Resp:	277420
Ion Ratio		Lower	Upper
180	100		
182	97.7	74.9	112.3
145	31.1	24.7	37.1





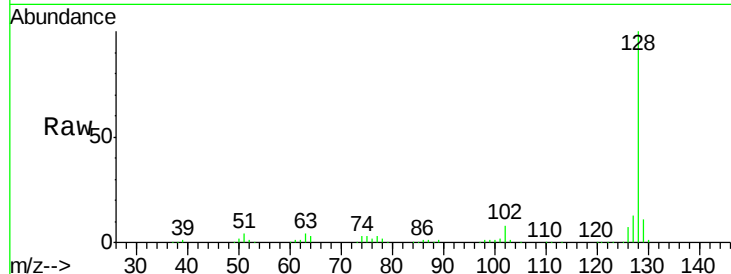
#31
Naphthalene
Concen: 44.79 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

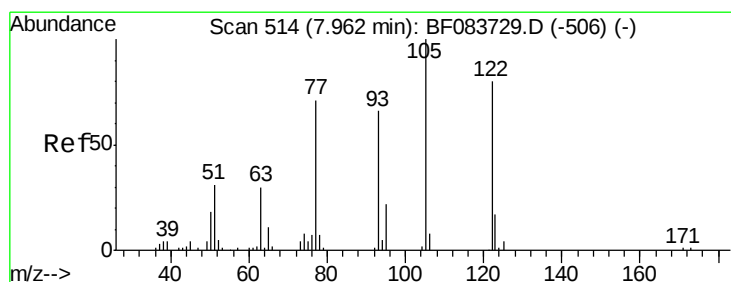
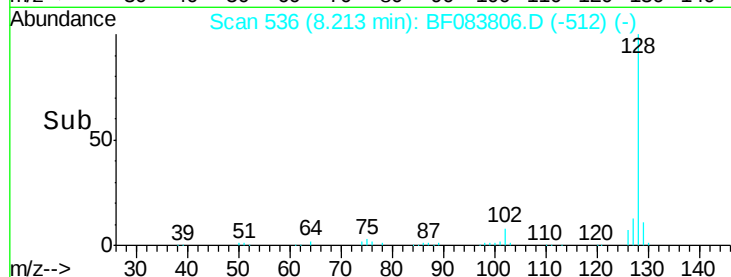
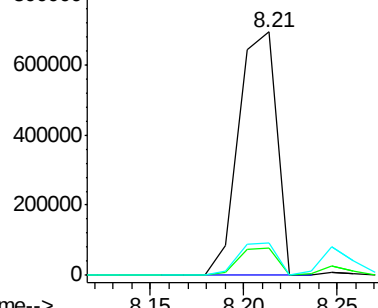
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.5	10.6	16.0

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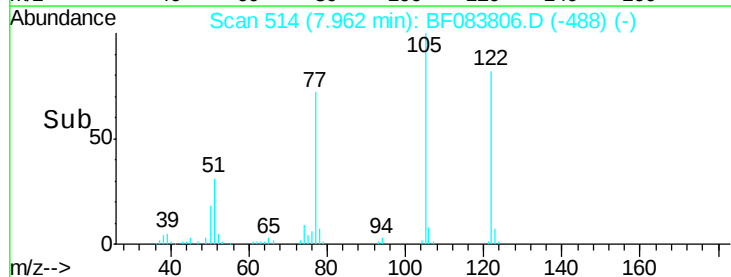
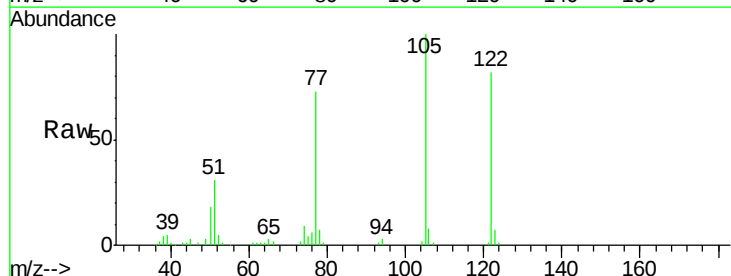
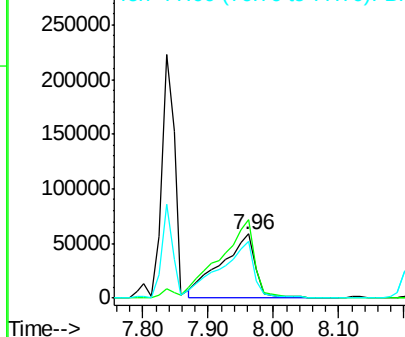
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

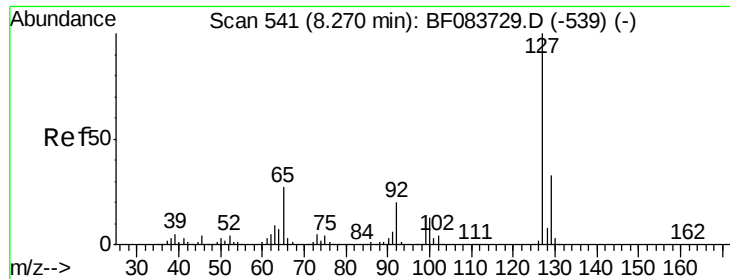


#32
Benzoic acid
Concen: 46.61 ng
RT: 7.96 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.9	105.6	145.6
77	89.5	86.8	126.8

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





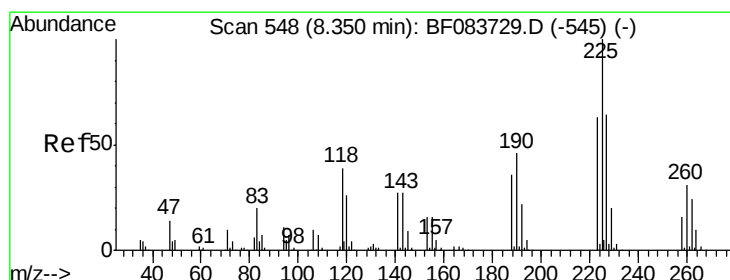
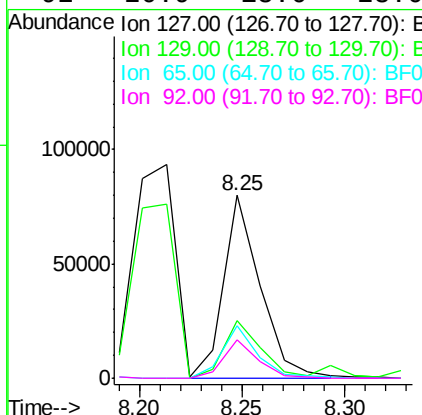
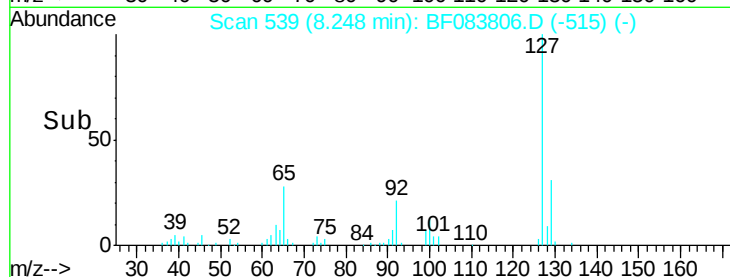
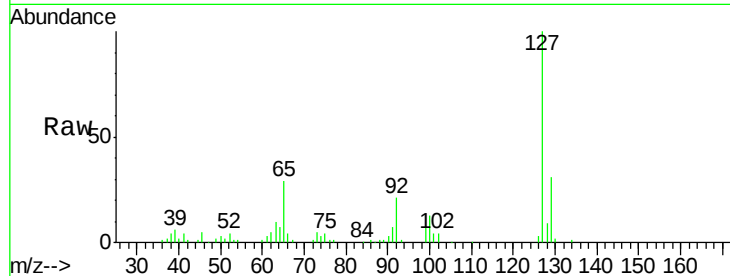
#33
4-Chloroaniline
Concen: 11.08 ng/mL
RT: 8.25 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.4	26.1	39.1
65	29.0	33.5	50.3
92	20.9	18.6	28.0

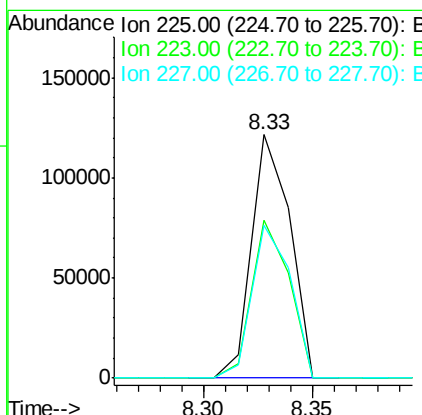
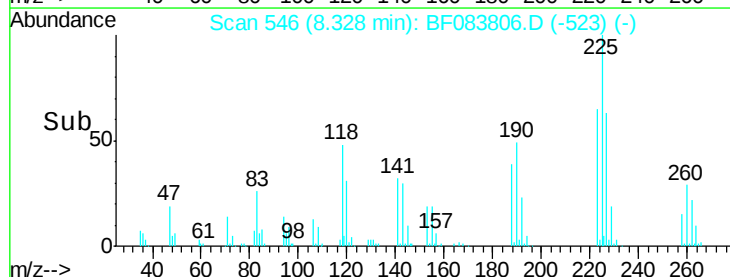
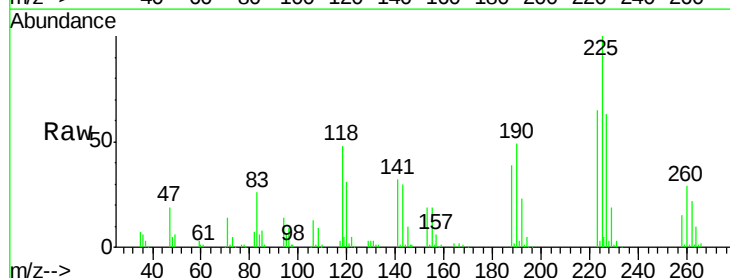
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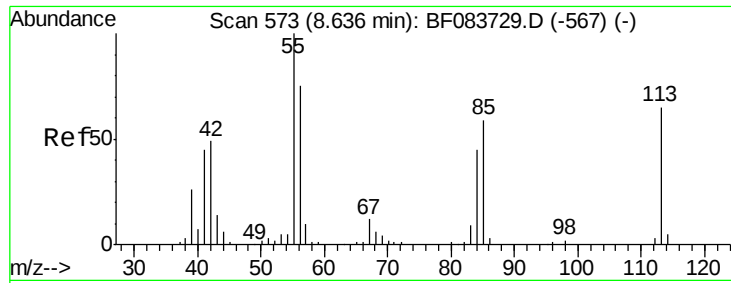
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#34
Hexachlorobutadiene
Concen: 43.55 ng/mL
RT: 8.33 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	64.8	52.3	78.5
227	62.6	50.4	75.6





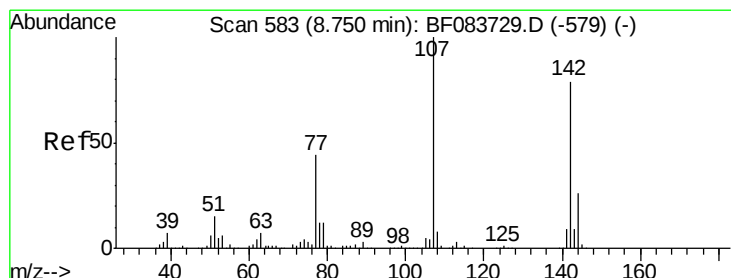
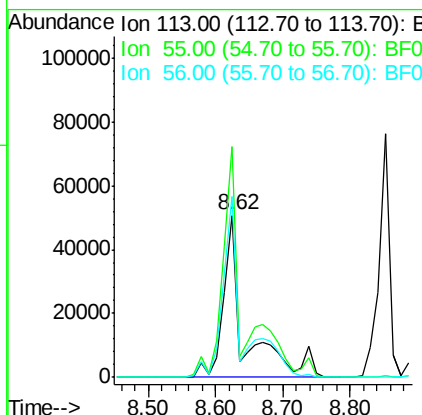
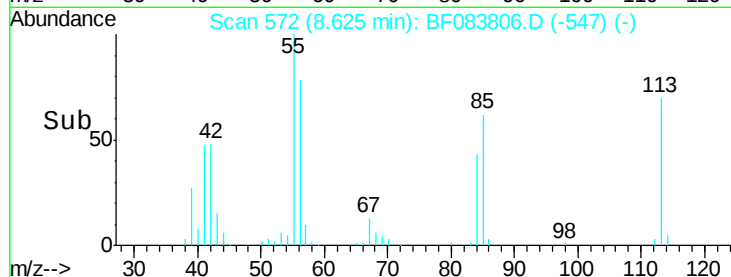
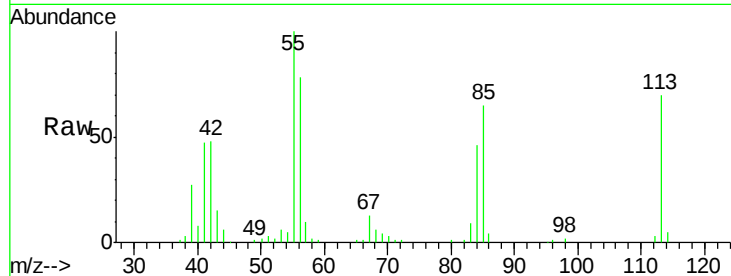
#35
Caprolactam
Concen: 56.98 ng/ml
RT: 8.62 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	142.4	189.7	229.7#
56	111.5	130.7	170.7#

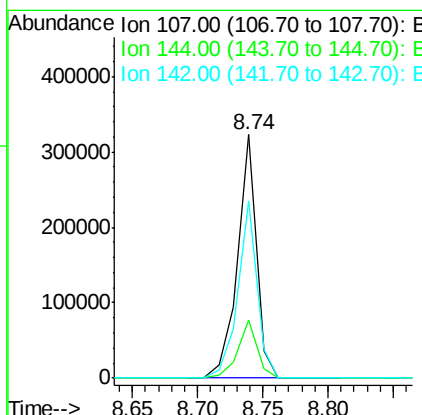
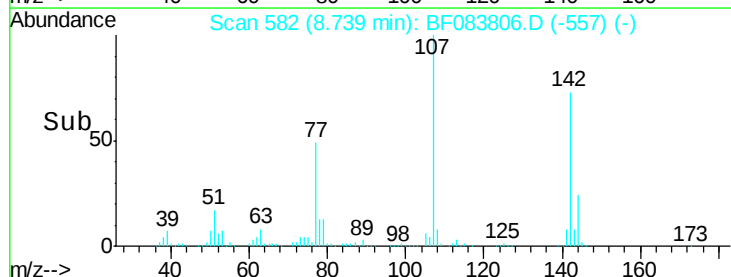
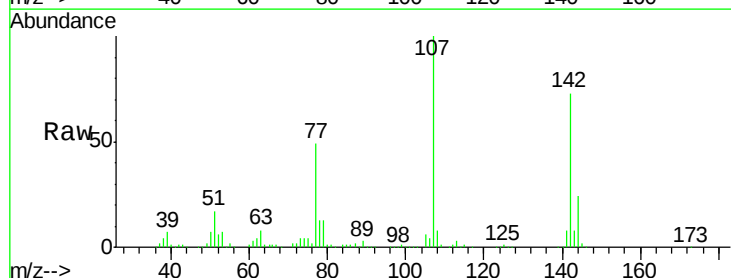
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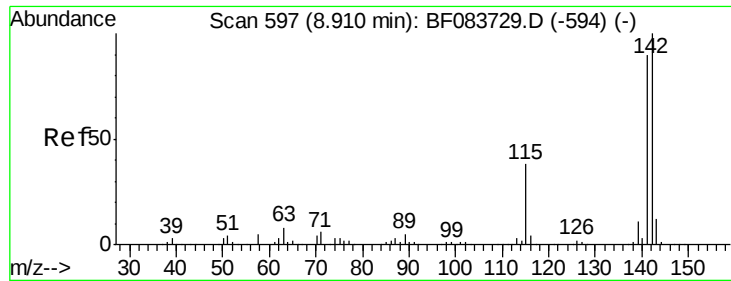
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#36
4-Chloro-3-methylphenol
Concen: 45.85 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.6	17.5	26.3
142	72.8	53.6	80.4





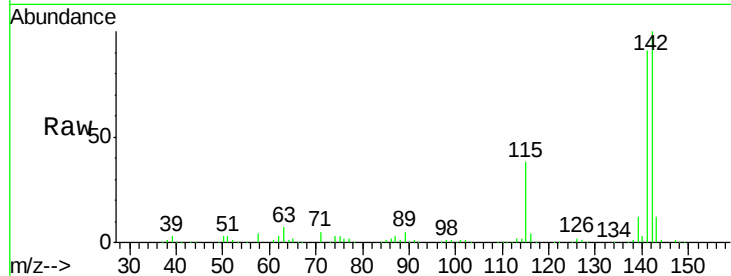
#37
2-Methylnaphthalene
Concen: 46.01 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.3	105.5
115	37.8	29.2	43.8

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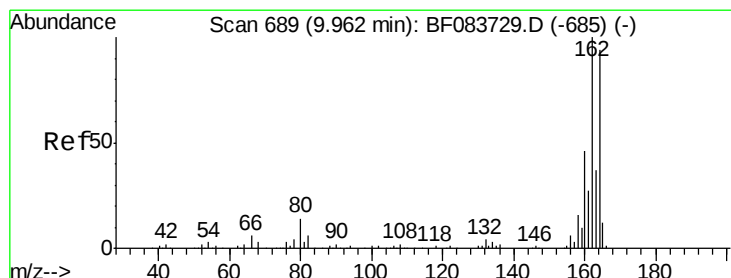
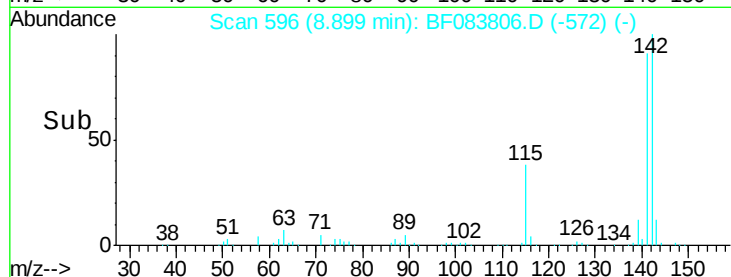
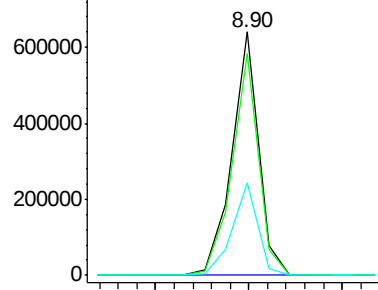


Abundance

Ion 142.00 (141.70 to 142.70): E

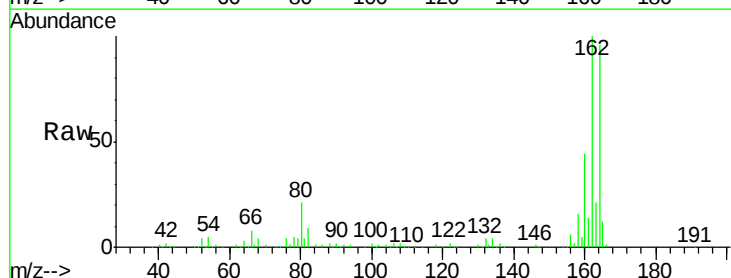
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	78.8	118.2
160	45.7	33.4	50.2

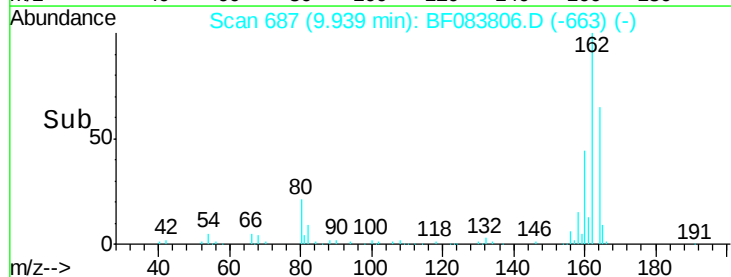
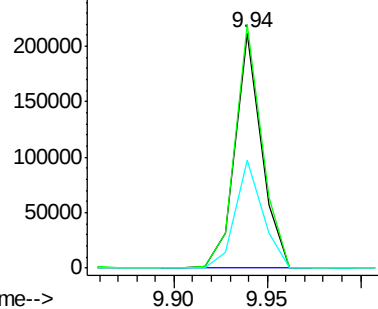


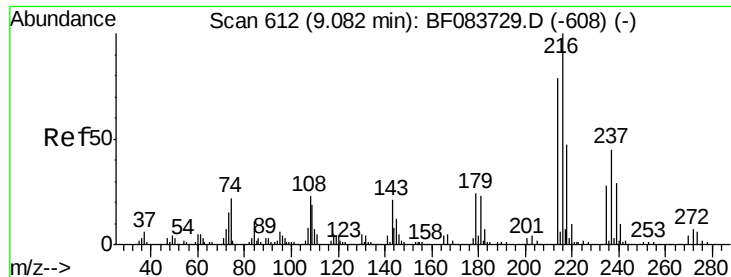
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.13 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

ClientSampleId :

PB87256BSD

Tot Ion:216 Resp: 275937
Ion Ratio Lower Upper

216 100

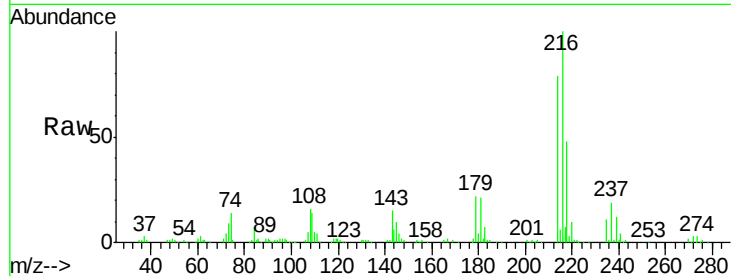
214 78.9 0.0 0.0#

179 22.3 0.0 0.0#

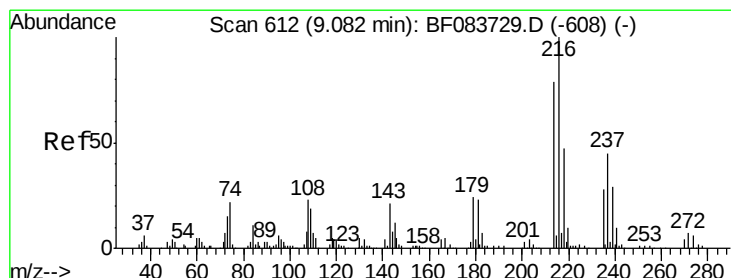
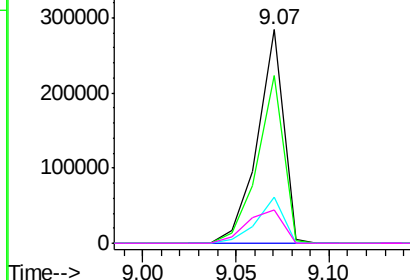
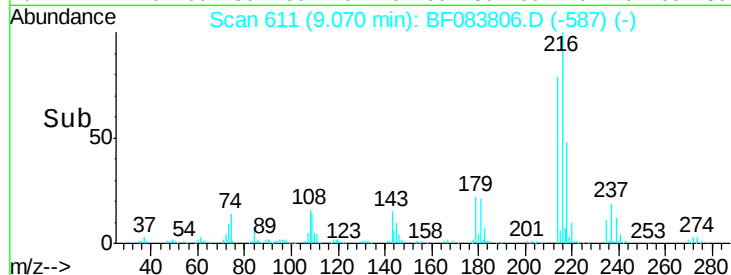
108 22.0 0.0 0.0#

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



#40

Hexachlorocyclopentadiene

Concen: 95.86 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF083806.D

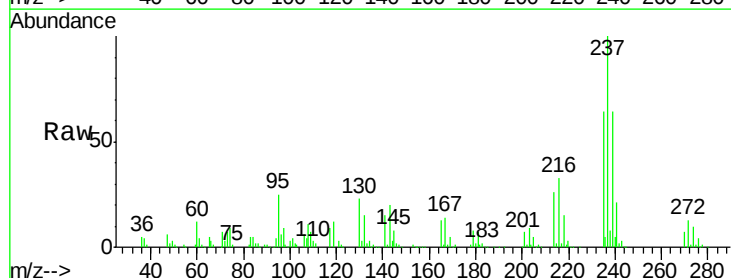
Acq: 15 Dec 2015 9:10

Tgt Ion:237 Resp: 297045
Ion Ratio Lower Upper

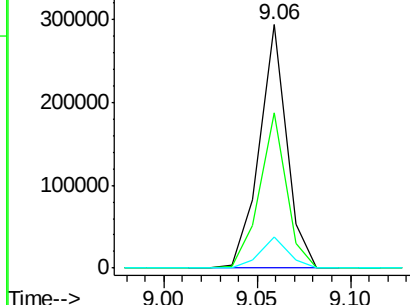
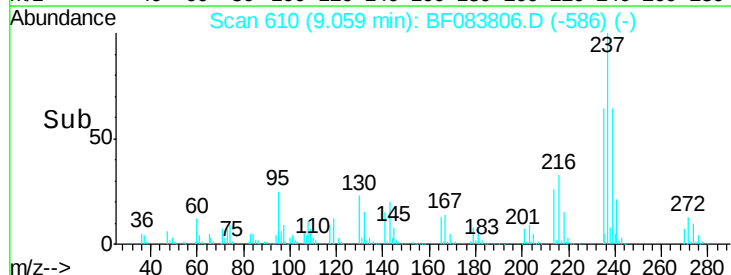
237 100

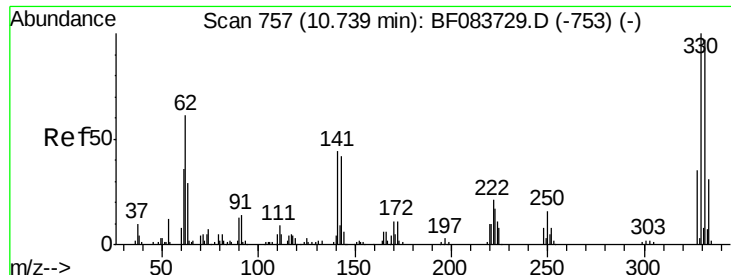
235 63.8 43.9 83.9

272 12.5 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





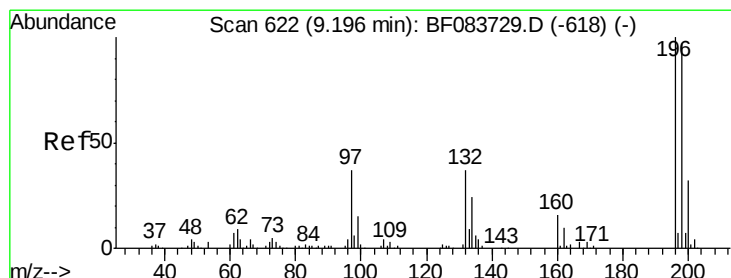
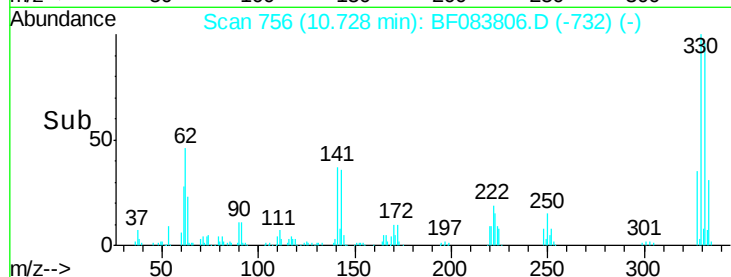
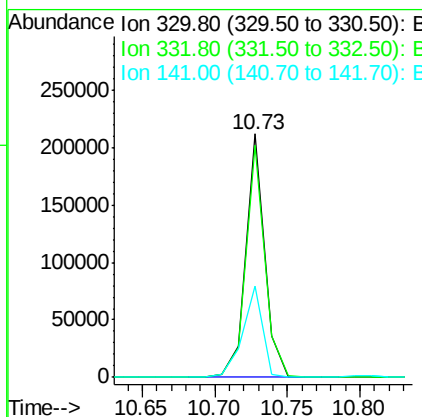
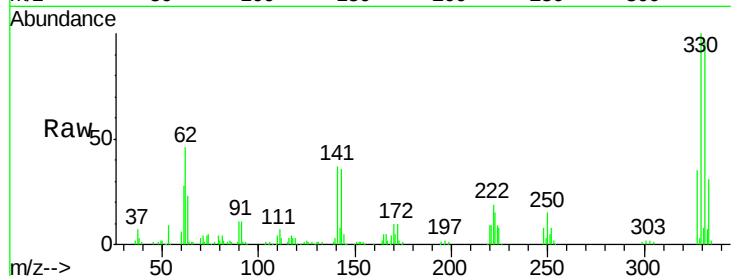
#41
 2,4,6-Tribromophenol
 Concen: 90.94 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	39.0	0.0	0.0#

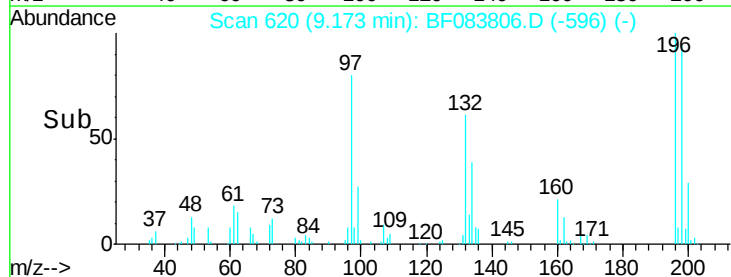
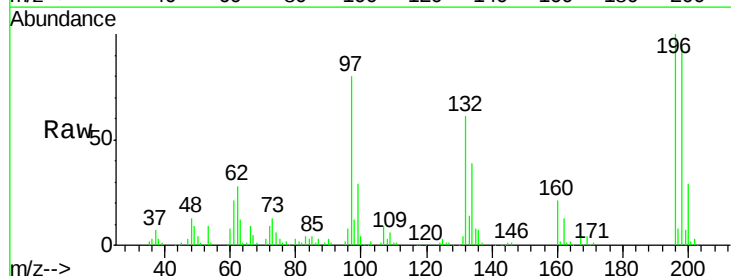
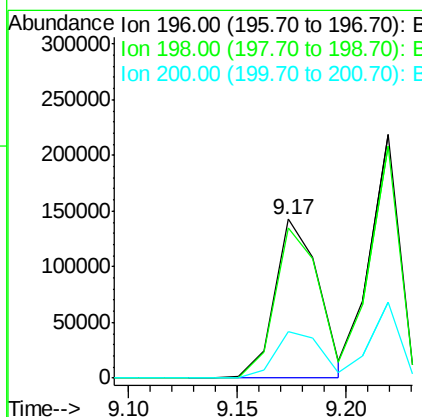
Manual Integrations
 APPROVED

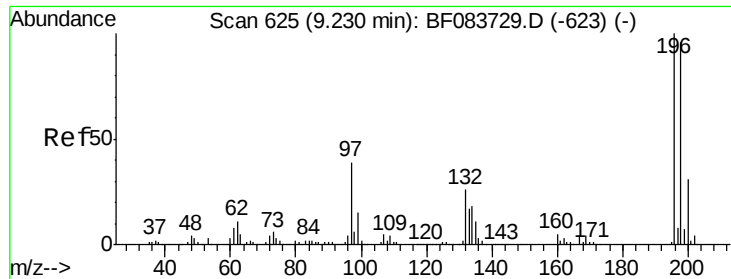
MMdadoda
 12/15/2015 6:14:27 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.72 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	94.5	75.2	112.8
200	29.4	23.0	34.6





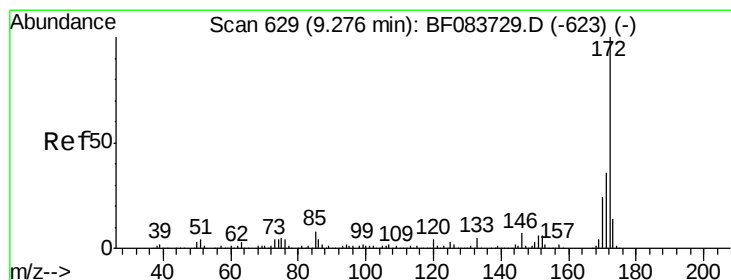
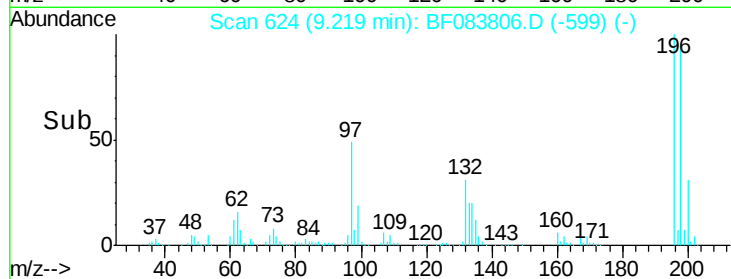
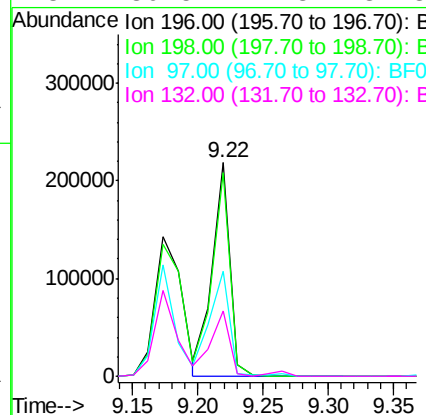
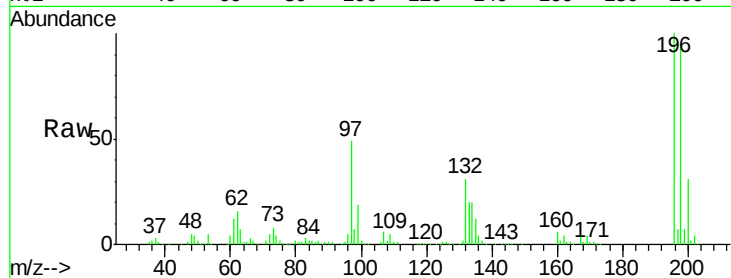
#43
2,4,5-Trichlorophenol
Concen: 48.83 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		207337		
198	95.2	77.7	116.5		
97	48.9	41.2	61.8		
132	30.5	21.8	32.8		

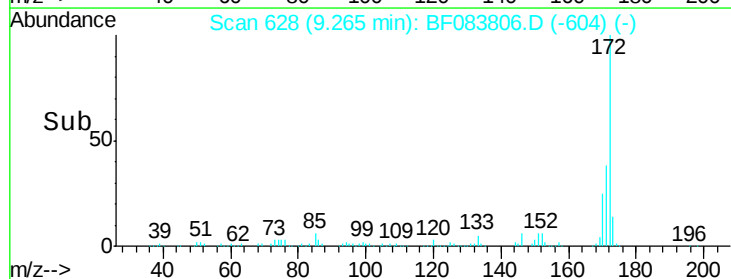
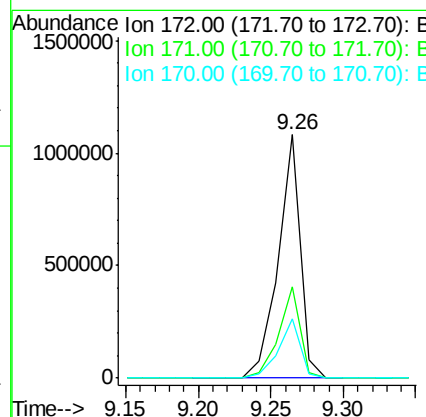
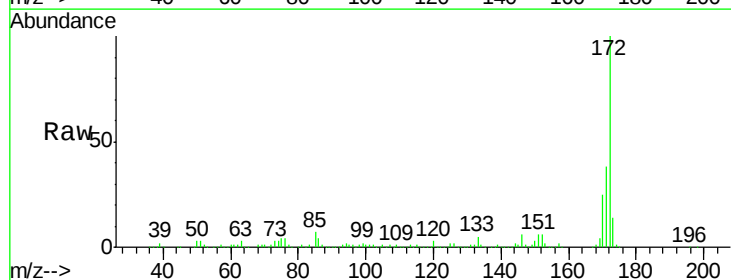
Manual Integrations
APPROVED

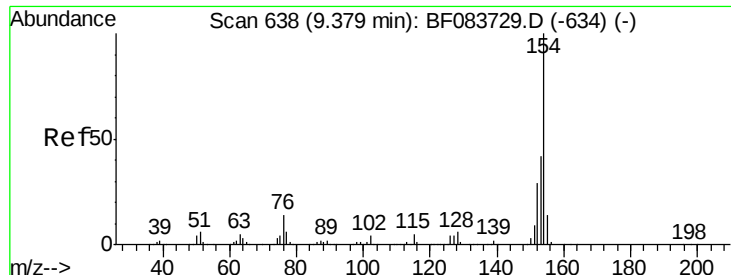
MMdadoda
12/15/2015 6:14:27 PM



#44
2-Fluorobiphenyl
Concen: 78.66 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1138310		
171	37.6	28.6	42.8		
170	24.5	19.4	29.0		





#45

1,1'-Biphenyl

Concen: 44.48 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

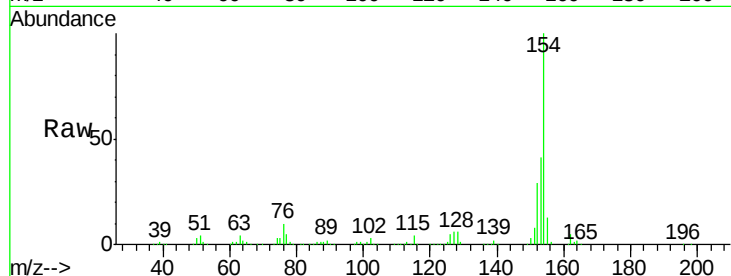
ClientSampleId :

PB87256BSD

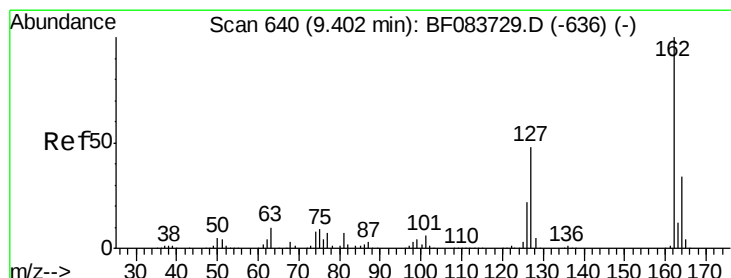
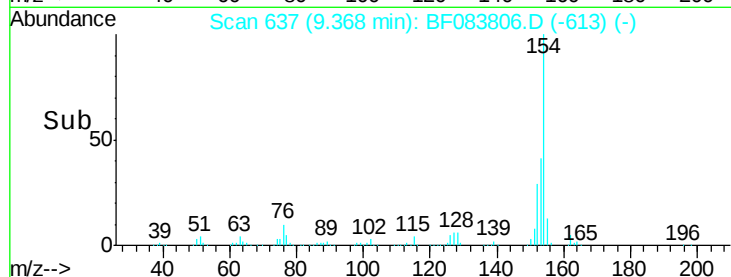
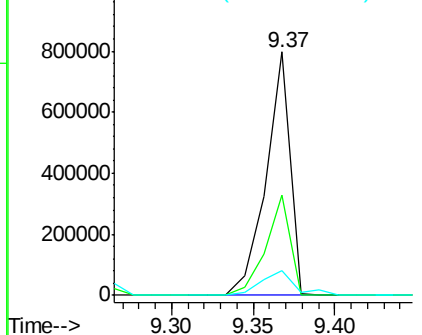
Tot Ion:	154	Resp:	817078
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.2	60.2
76	10.0	0.0	34.8

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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: 45.56 ng

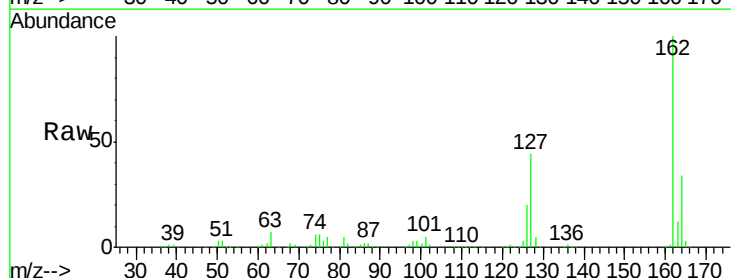
RT: 9.39 min Scan# 639

Delta R.T. -0.02 min

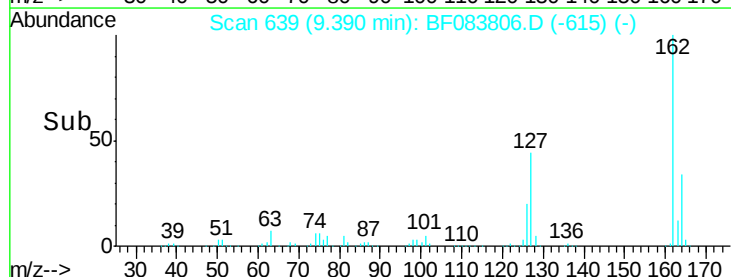
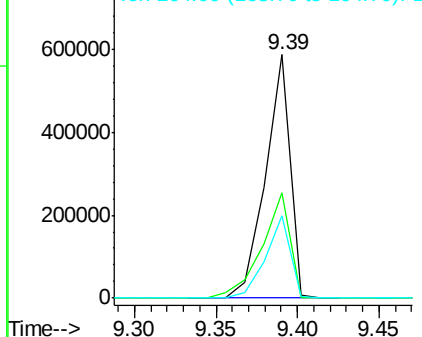
Lab File: BF083806.D

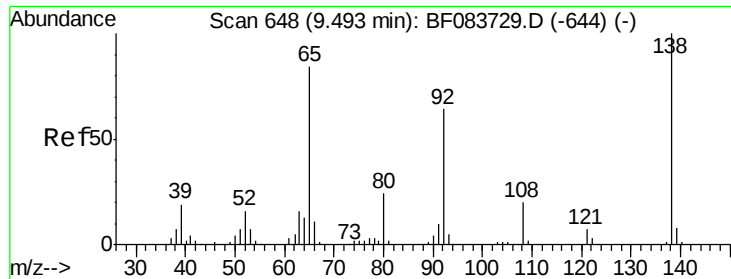
Acq: 15 Dec 2015 9:10

Tgt Ion:	162	Resp:	617775
Ion Ratio	Lower	Upper	
162	100		
127	43.5	31.0	46.4
164	34.0	27.4	41.0



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





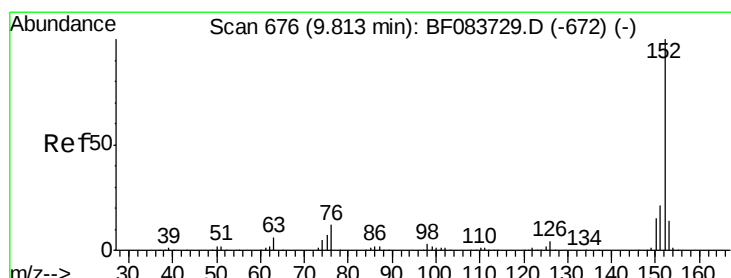
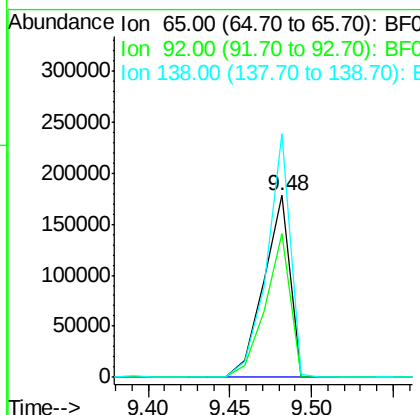
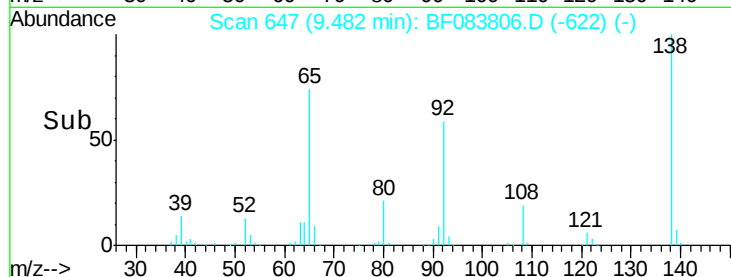
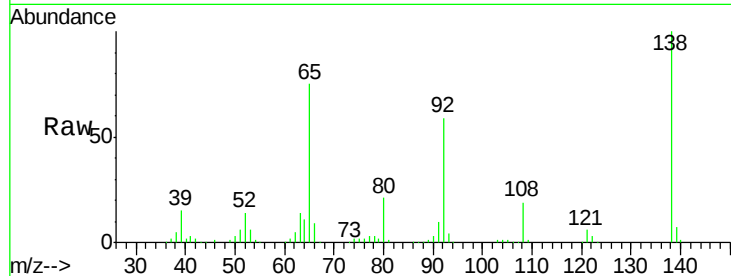
#47
 2-Nitroaniline
 Concen: 51.90 ng
 RT: 9.48 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	78.7	49.6	74.4#
138	133.8	64.1	96.1#

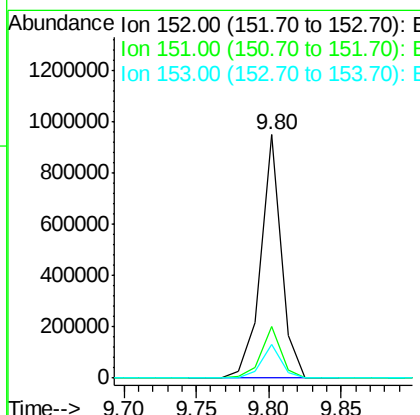
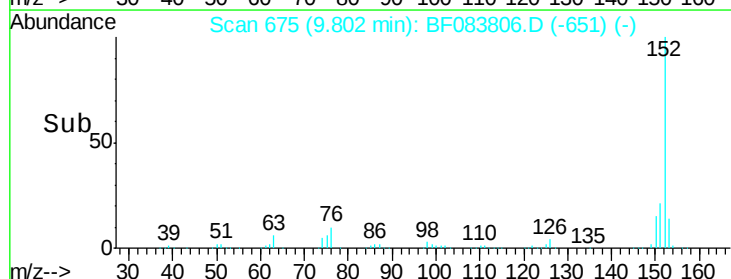
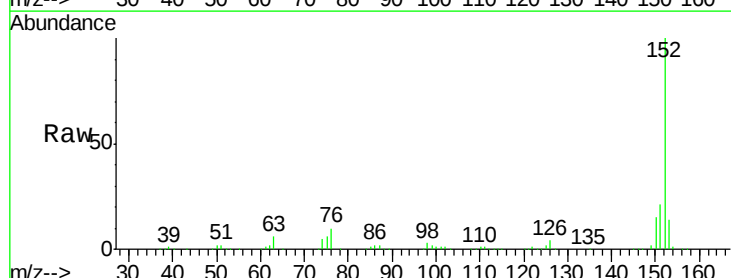
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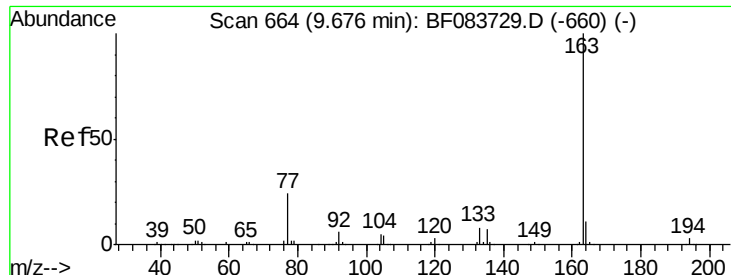
MMdadoda
 12/15/2015 6:14:27 PM



#48
 Acenaphthylene
 Concen: 40.83 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	21.0	16.3	24.5
153	13.8	10.8	16.2





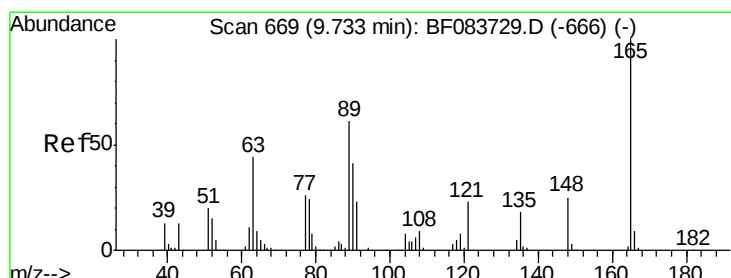
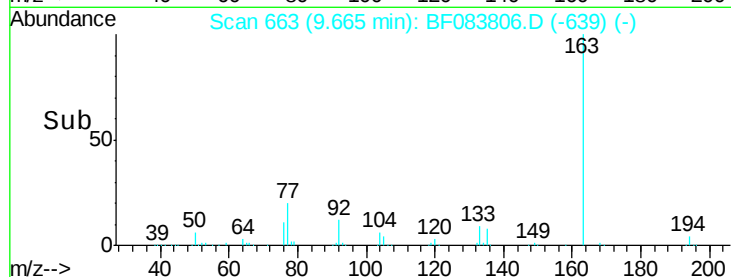
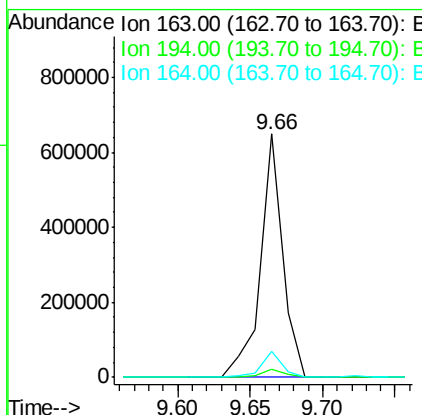
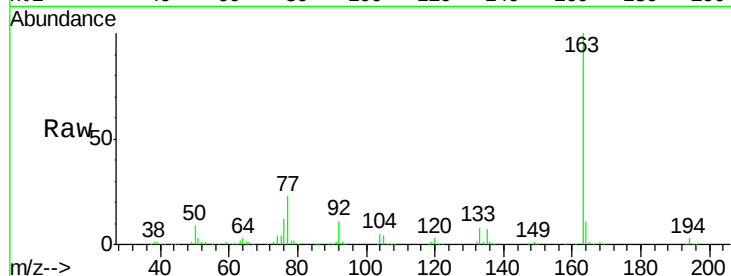
#49
Dimethylphthalate
Concen: 42.61 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	688652		
194	3.3		2.8	4.2
164	10.7		8.6	13.0

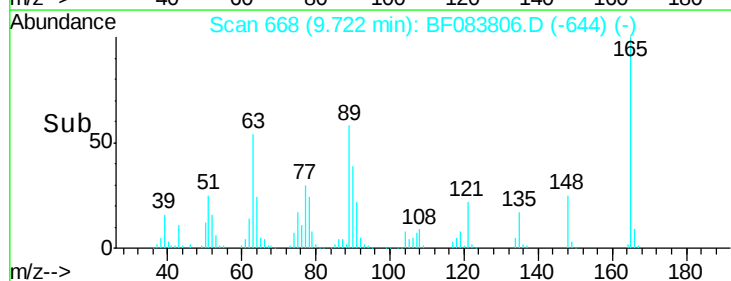
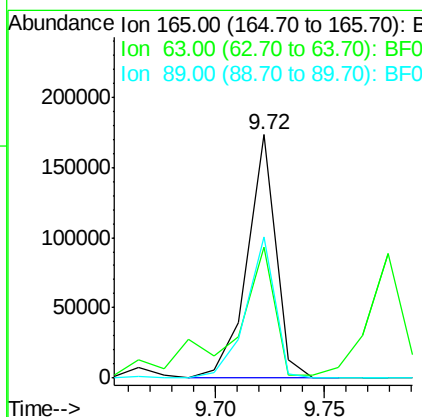
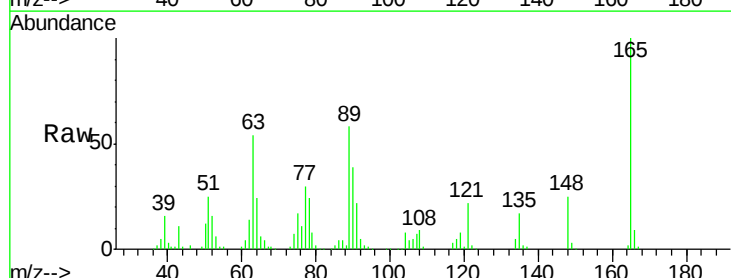
Manual Integrations
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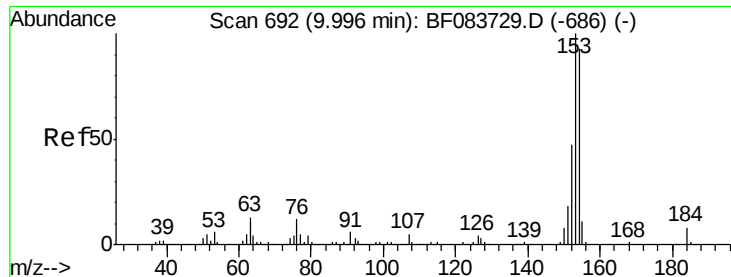
MMdadoda
12/15/2015 6:14:27 PM



#50
2,6-Dinitrotoluene
Concen: 46.27 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	158707		
63	54.0		56.9	85.3#
89	58.1		52.1	78.1





#51

Acenaphthene

Concen: 47.57 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

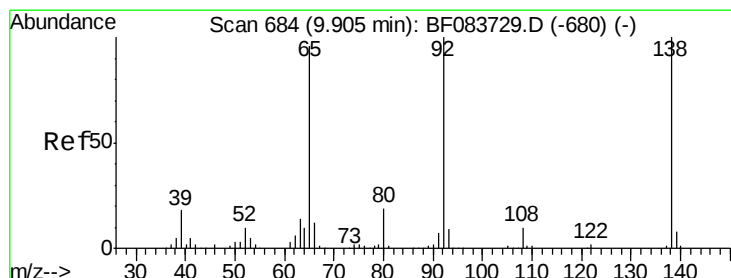
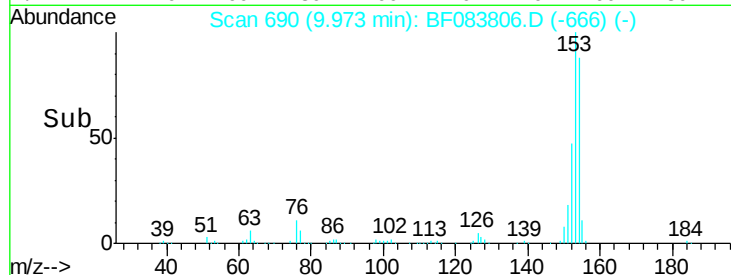
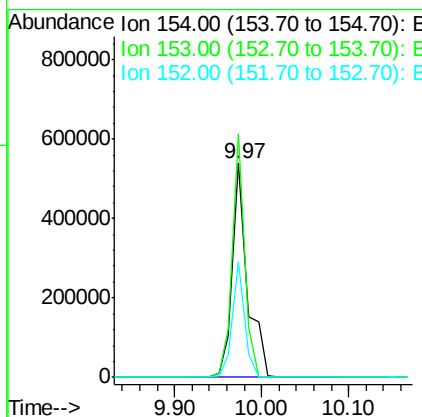
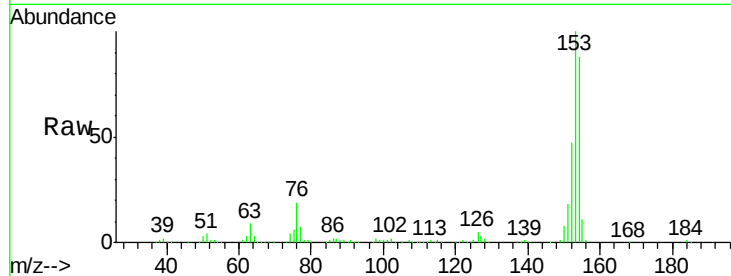
ClientSampleId :

PB87256BSD

Tot Ion:	154	Resp:	656144
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.4	137.0
152	54.0	43.4	65.2

Manual Integrations
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MMdadoda
12/15/2015 6:14:27 PM



#52

3-Nitroaniline

Concen: 18.62 ng

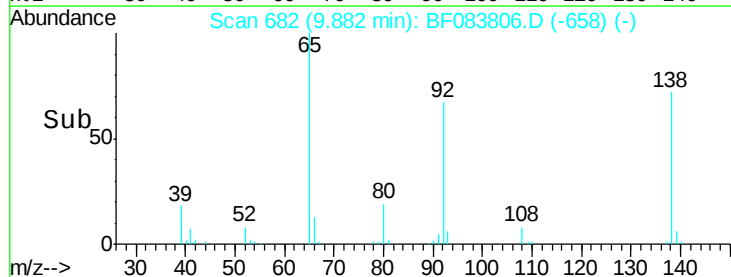
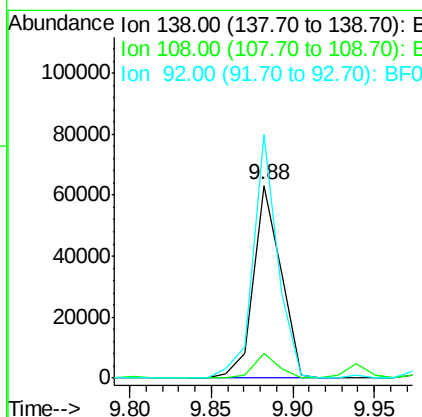
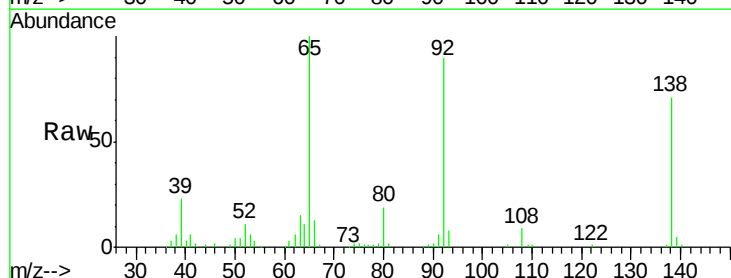
RT: 9.88 min Scan# 682

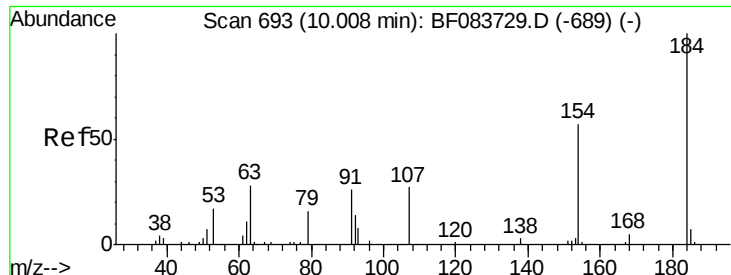
Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	138	Resp:	73628
Ion Ratio	Lower	Upper	
138	100		
108	12.8	9.9	14.9
92	126.5	113.8	170.8





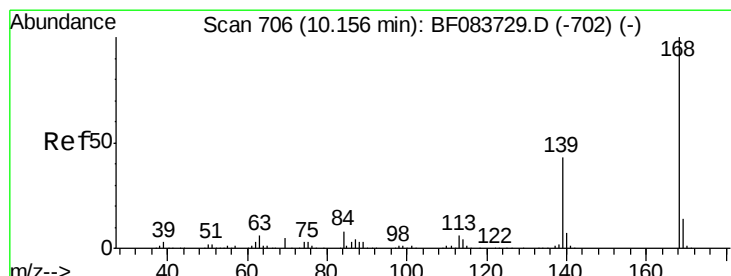
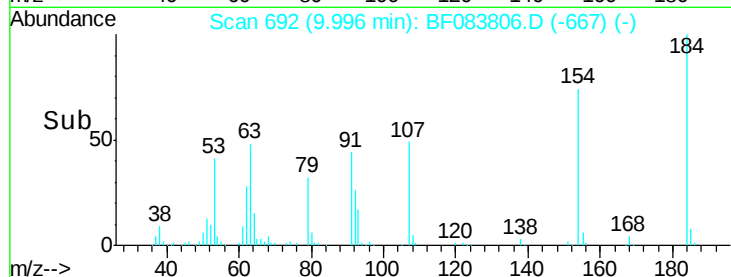
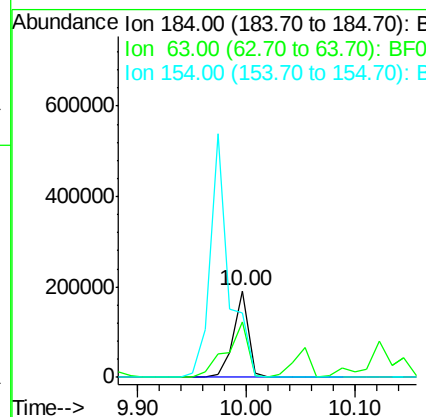
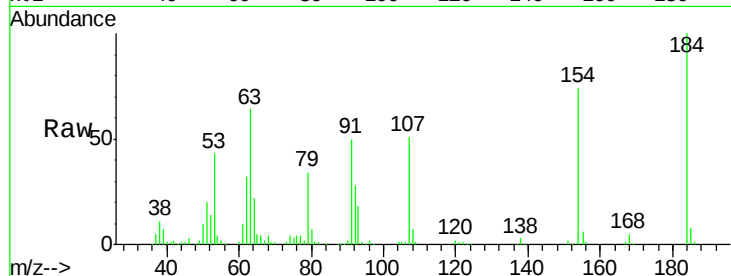
#53
 2,4-Dinitrophenol
 Concen: 91.49 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	181376		
63	63.7	62.4	93.6	
154	73.7	46.6	69.8	

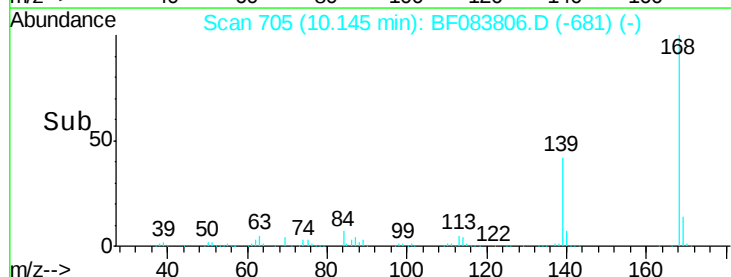
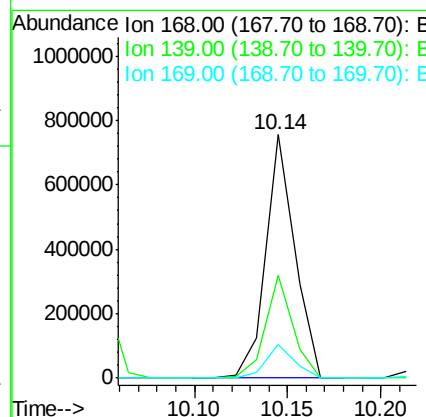
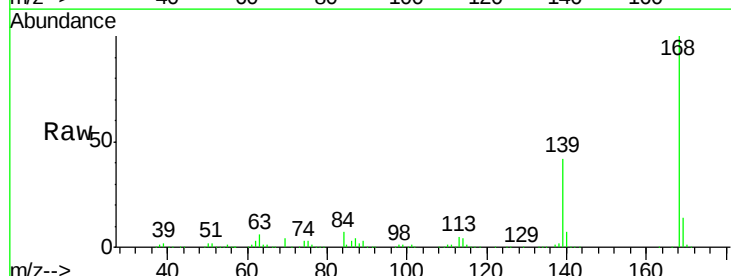
Manual Integrations
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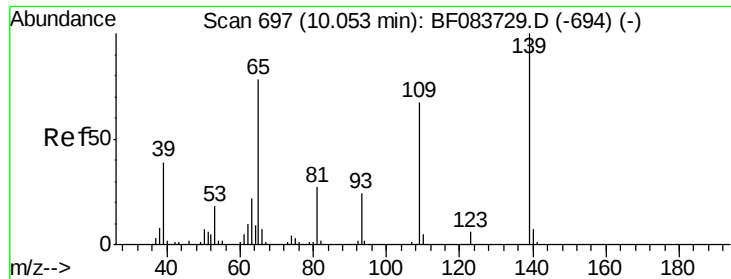
MMdadoda
 12/15/2015 6:14:27 PM



#54
 Dibenzofuran
 Concen: 44.43 ng
 RT: 10.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	811952		
139	42.2	28.0	42.0	
169	14.1	10.8	16.2	





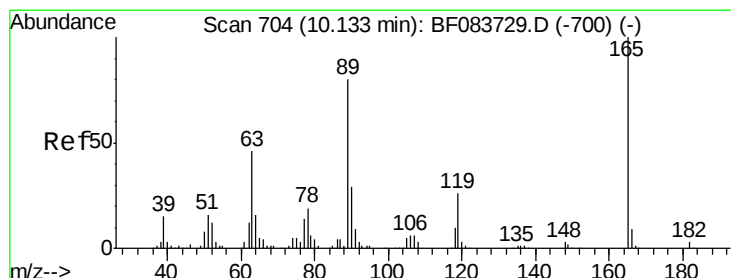
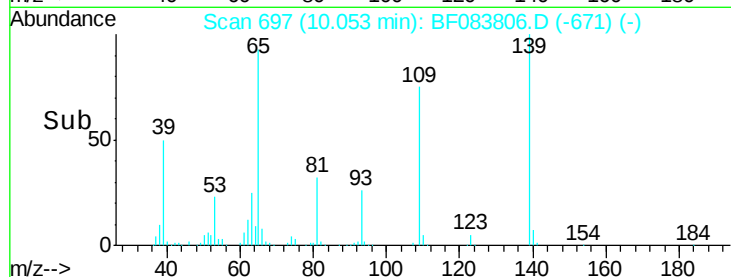
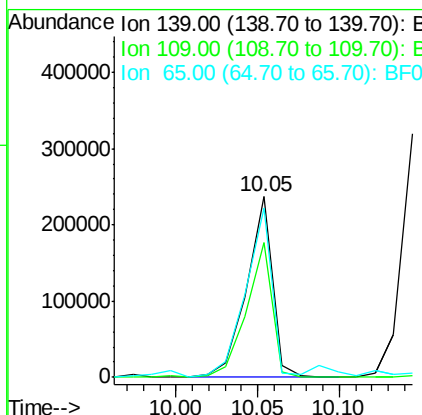
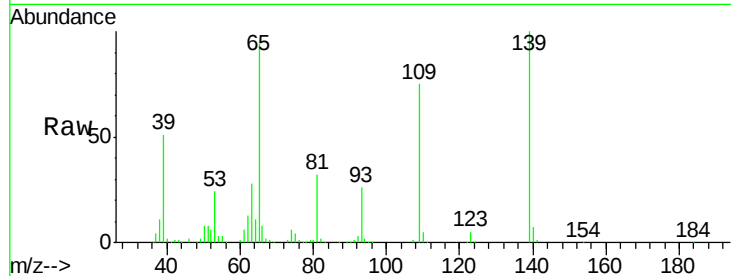
#55
4-Nitrophenol
Concen: 89.76 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	262812		
109	74.8	42.0	82.0	
65	93.6	89.2	129.2	

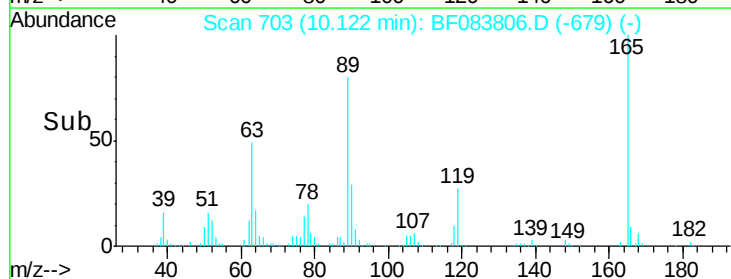
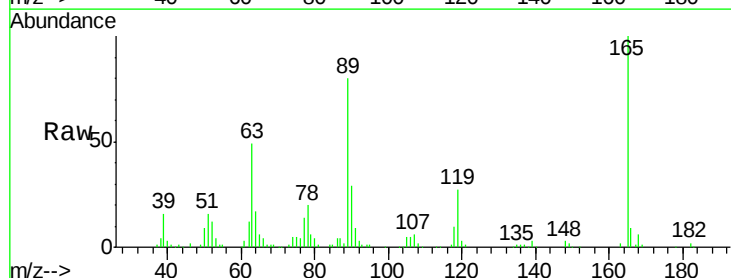
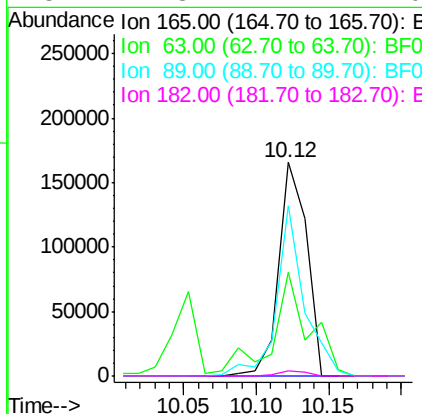
Manual Integrations
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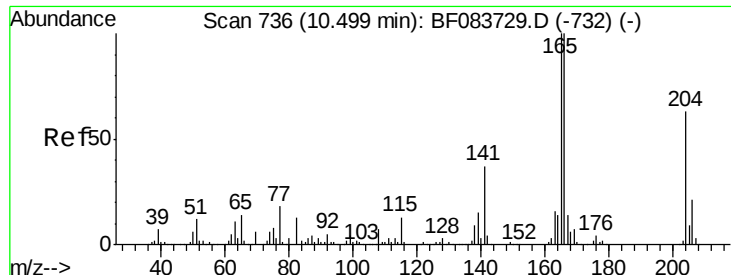
MMdadoda
12/15/2015 6:14:27 PM



#56
2,4-Dinitrotoluene
Concen: 49.38 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	221257		
63	48.8	51.4	77.2#	
89	79.9	72.6	108.8	
182	2.3	1.4	2.0#	





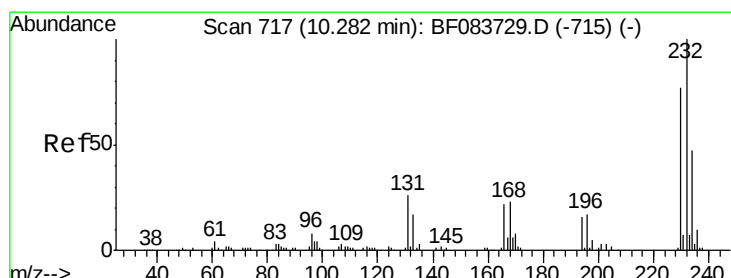
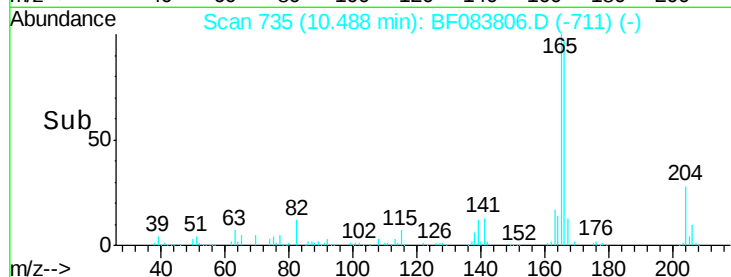
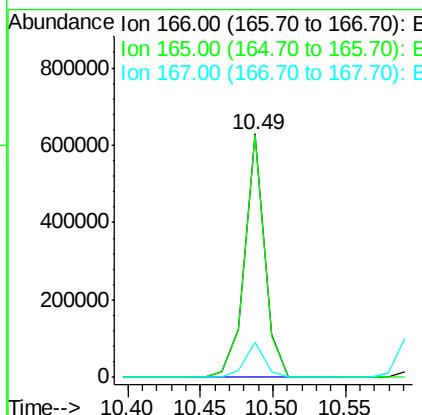
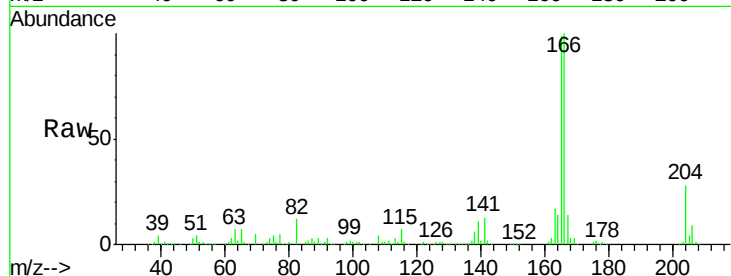
#57
 Fluorene
 Concen: 41.78 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	601222		
165	99.3	80.0	120.0	
167	14.1	10.6	16.0	

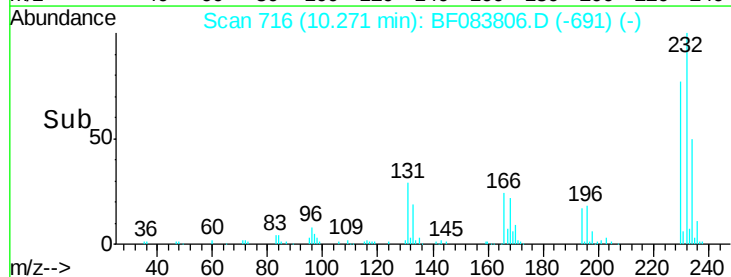
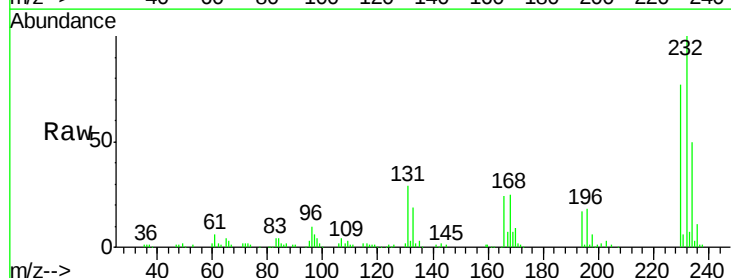
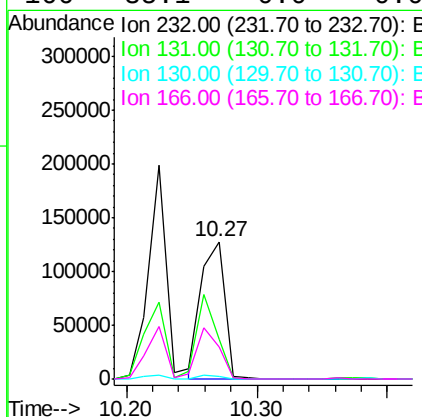
Manual Integrations
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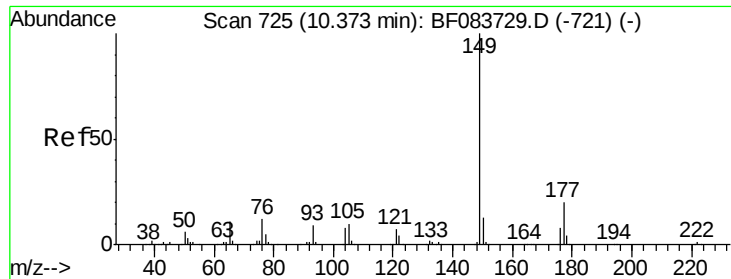
MMdadoda
 12/15/2015 6:14:27 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 51.04 ng
 RT: 10.27 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	162536		
131	52.5	0.0	0.0#	
130	2.6	0.0	0.0#	
166	35.1	0.0	0.0#	





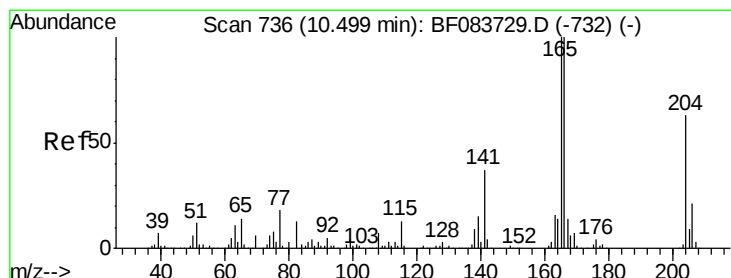
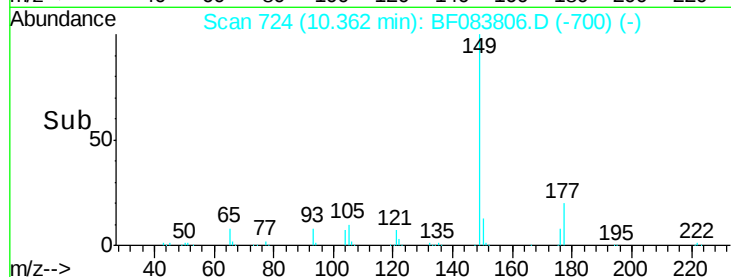
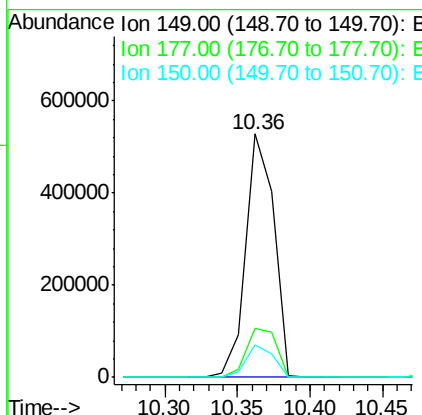
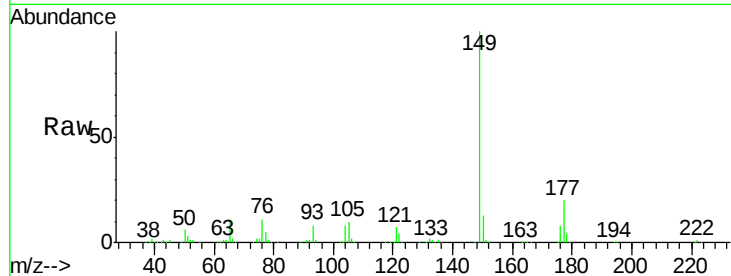
#59
Diethylphthalate
Concen: 43.55 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	712588		
177	20.0	16.9	25.3	
150	13.3	10.2	15.4	

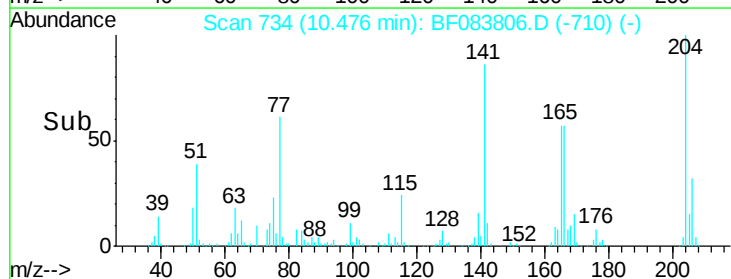
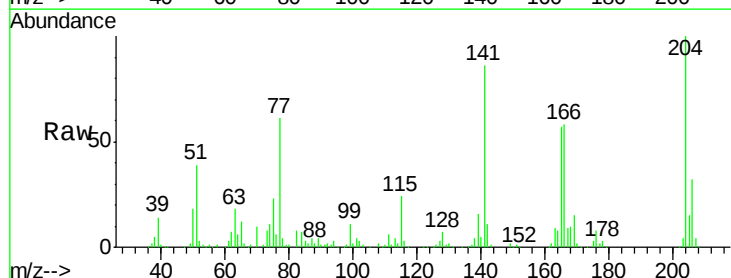
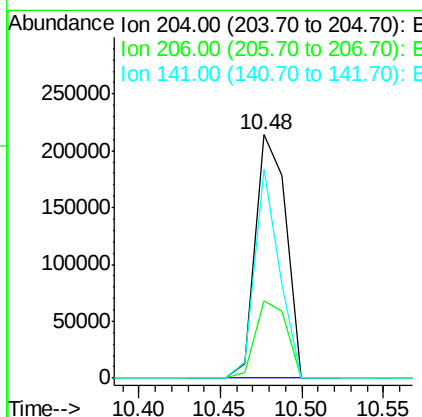
Manual Integrations
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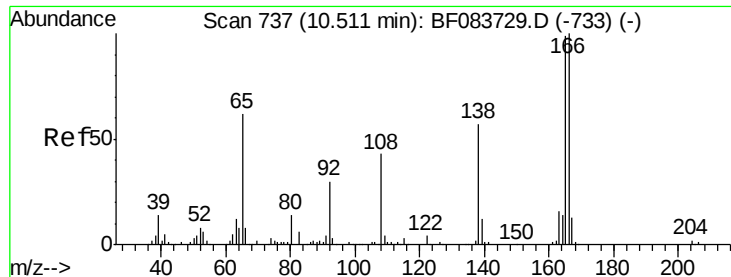
MMdadoda
12/15/2015 6:14:27 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.36 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	277989		
206	31.8	27.3	40.9	
141	85.7	51.9	77.9#	





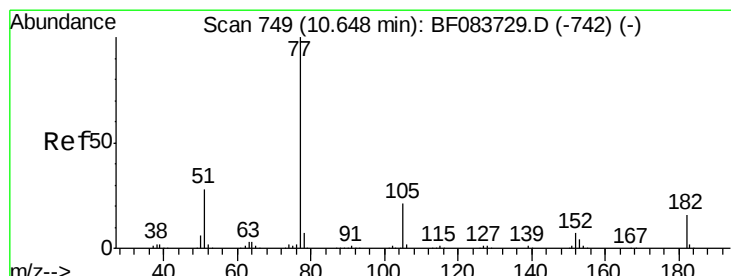
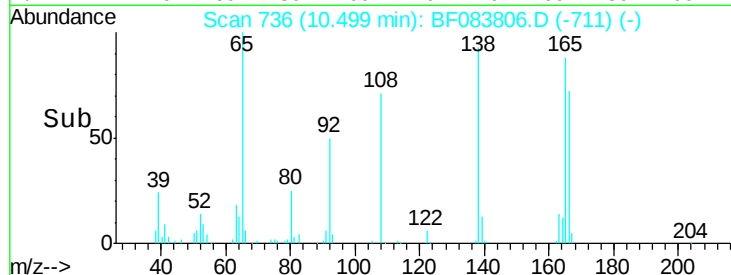
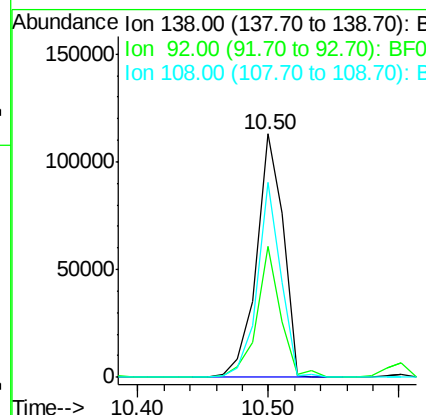
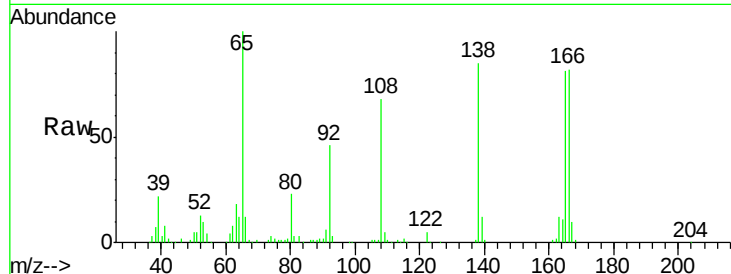
#61
4-Nitroaniline
Concen: 46.21 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	161051		
92	54.0	29.0	69.0	
108	80.0	47.4	87.4	

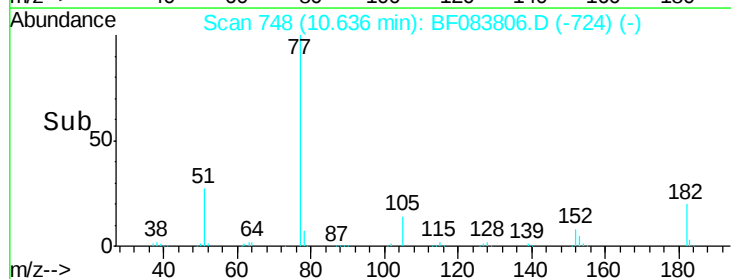
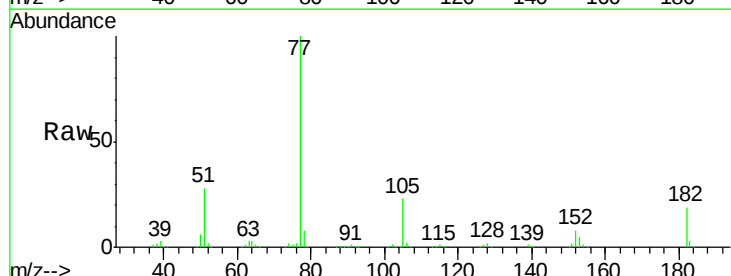
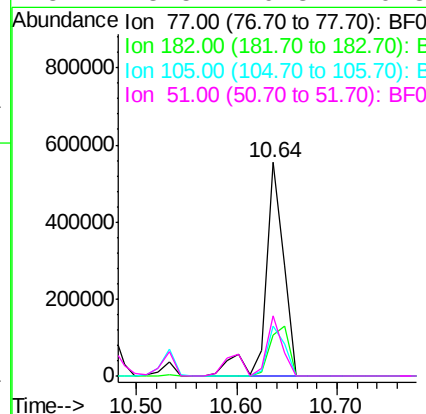
Manual Integrations
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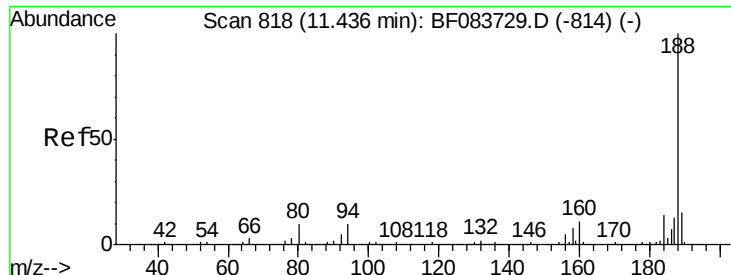
MMdadoda
12/15/2015 6:14:27 PM



#62
Azobenzene
Concen: 46.50 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	693528		
182	19.2	2.5	42.5	
105	23.3	2.1	42.1	
51	28.5	9.3	49.3	





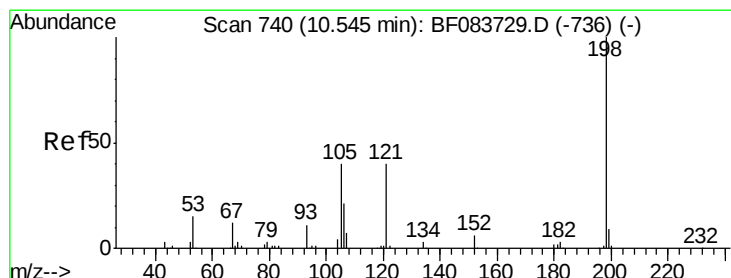
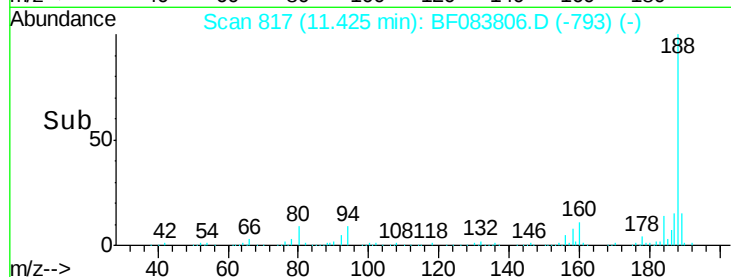
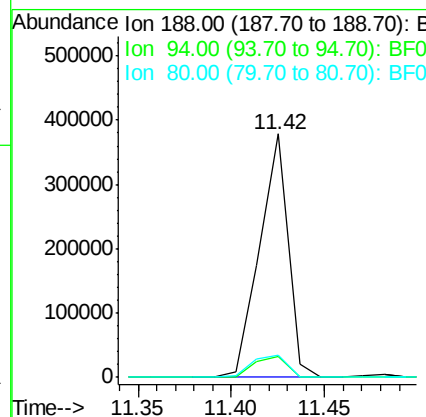
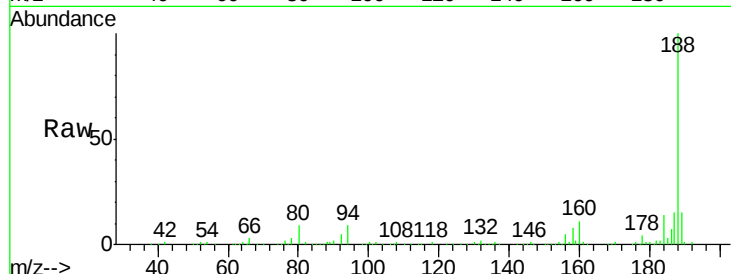
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	9.4	14.2#
80	8.9	10.6	16.0#

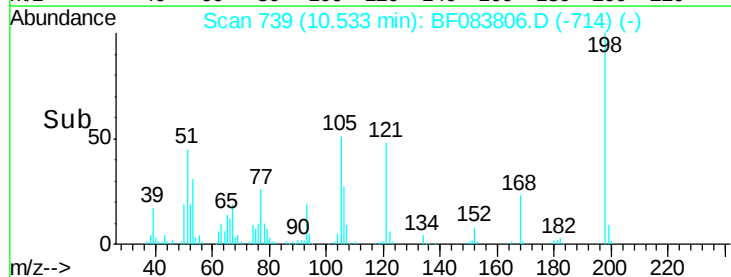
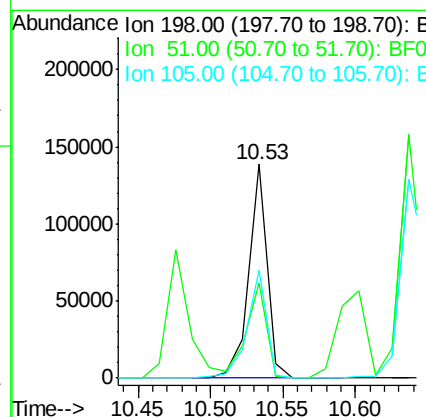
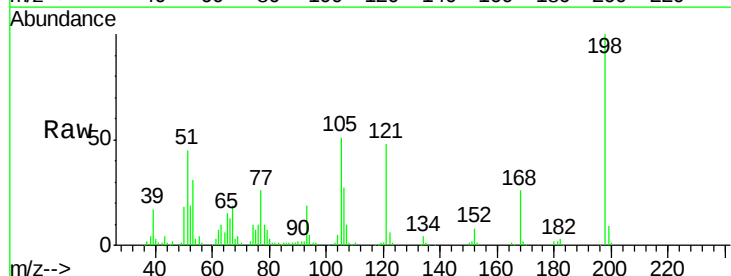
Manual Integrations
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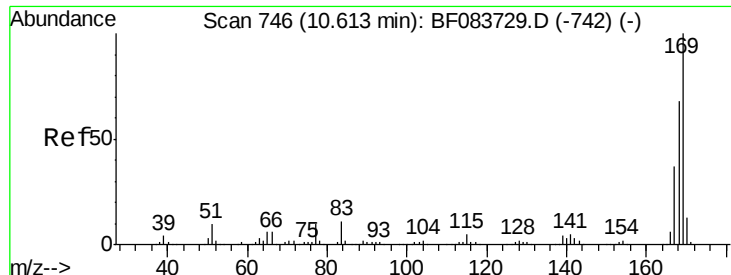
MMdadoda
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#64
4,6-Dinitro-2-methylphenol
Concen: 53.55 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	44.7	53.8	93.8#
105	50.5	38.6	78.6





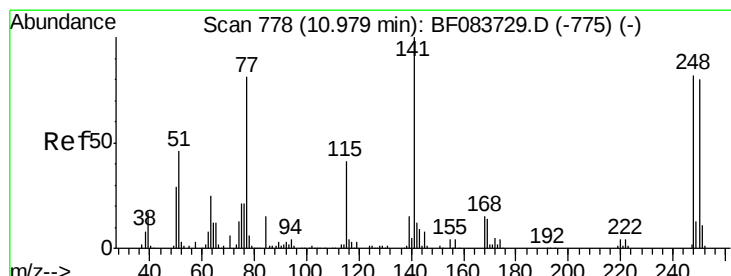
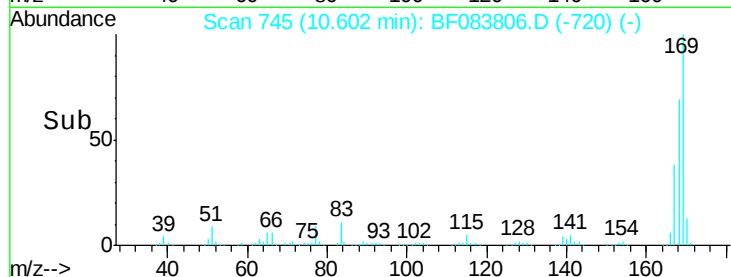
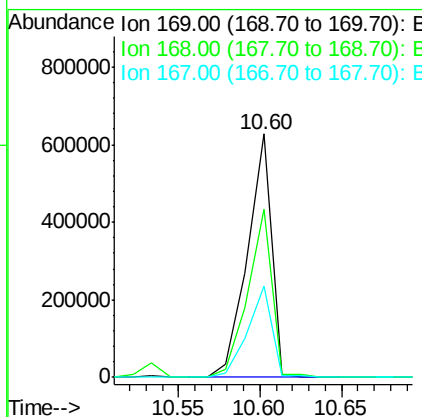
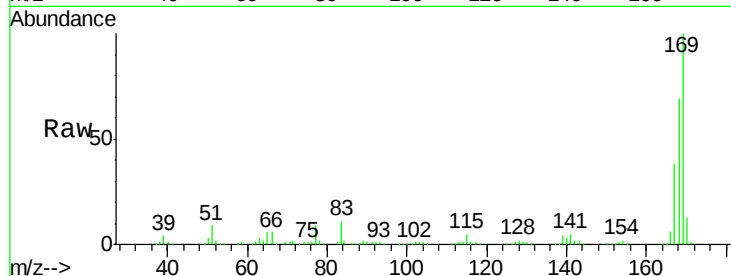
#65
n-Nitrosodiphenylamine
Concen: 47.28 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.9	53.0	79.6
167	37.6	29.3	43.9

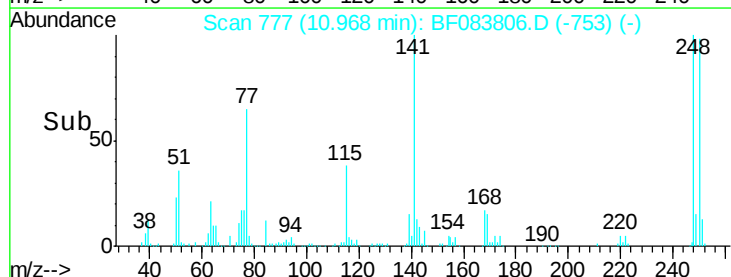
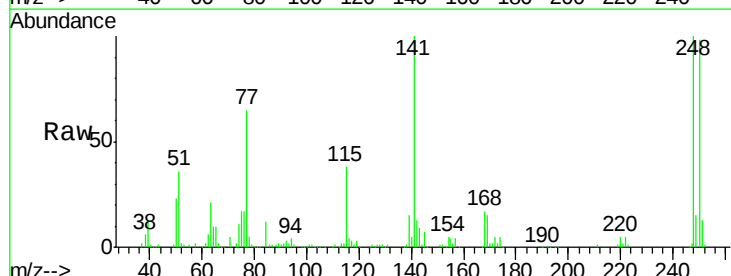
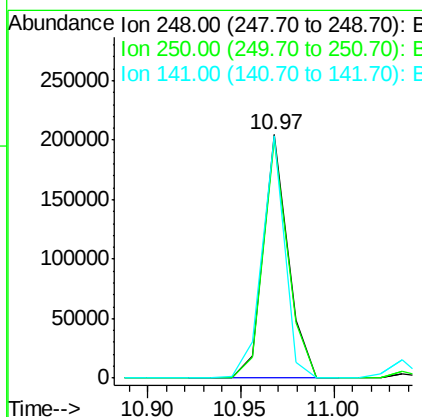
Manual Integrations
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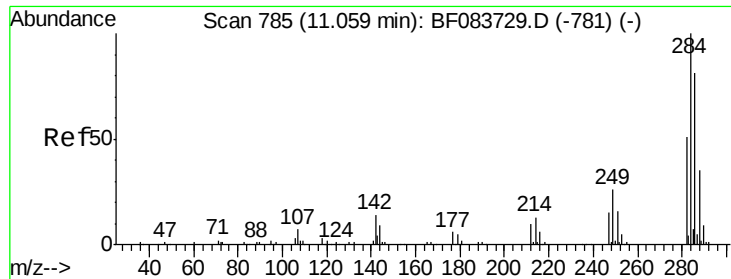
MMdadoda
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#66
4-Bromophenyl-phenylether
Concen: 41.93 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.2	118.8
141	99.7	58.2	87.4





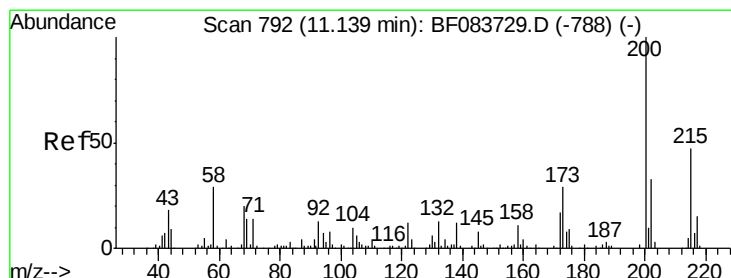
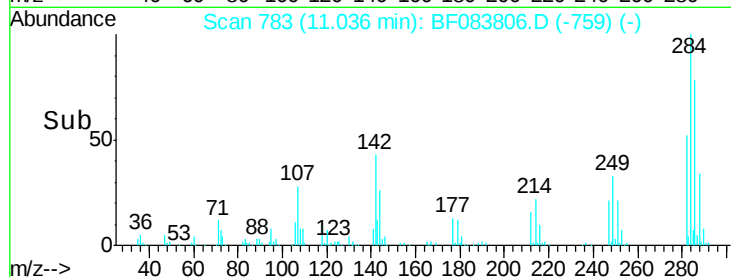
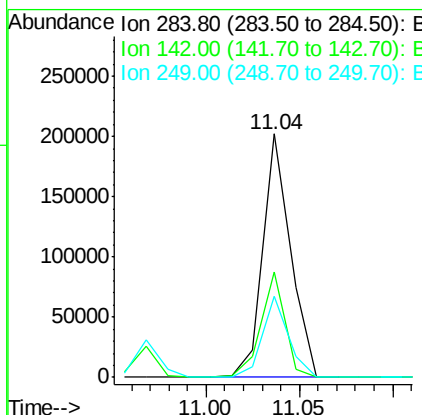
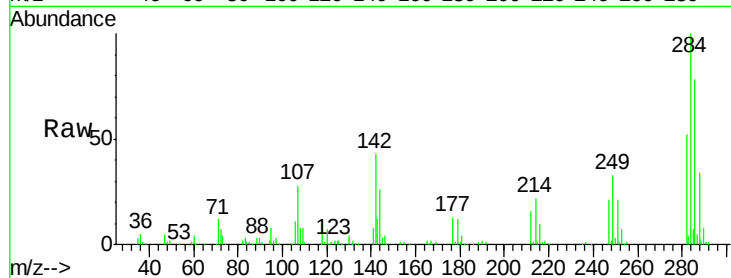
#67
Hexachlorobenzene
Concen: 42.72 ng
RT: 11.04 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	206231		
142	43.3	31.0	46.4	
249	33.1	26.9	40.3	

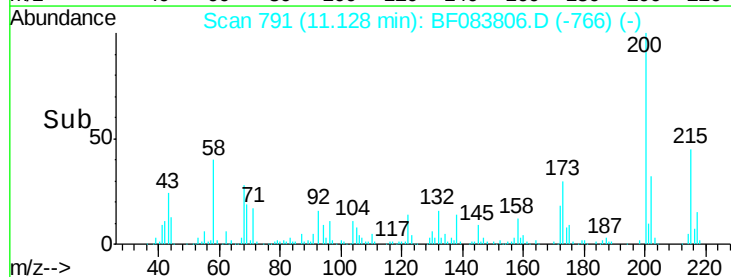
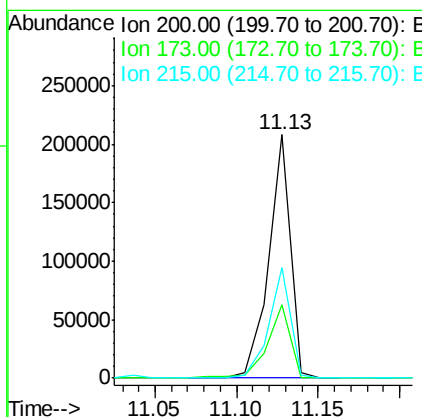
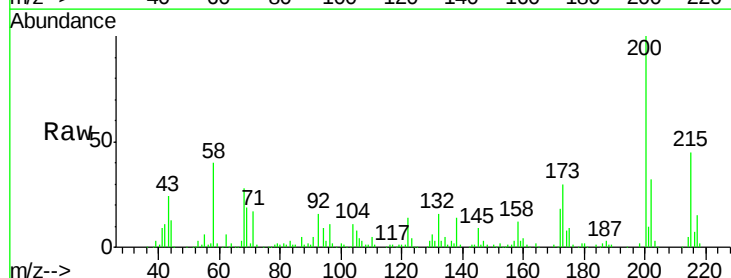
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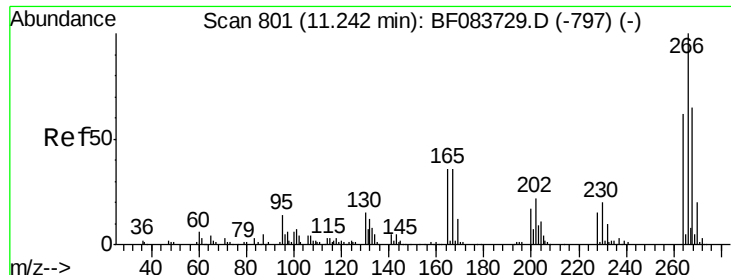
MMdadoda
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#68
Atrazine
Concen: 49.57 ng
RT: 11.13 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	192441		
173	30.4	7.8	47.8	
215	45.4	25.7	65.7	





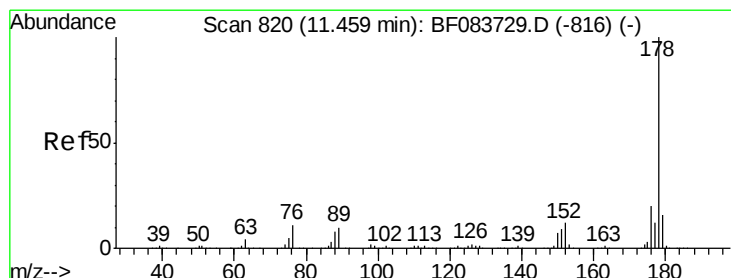
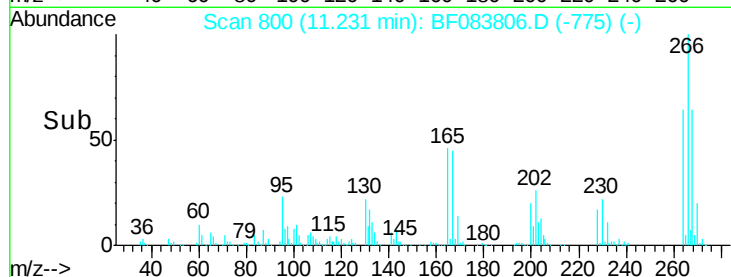
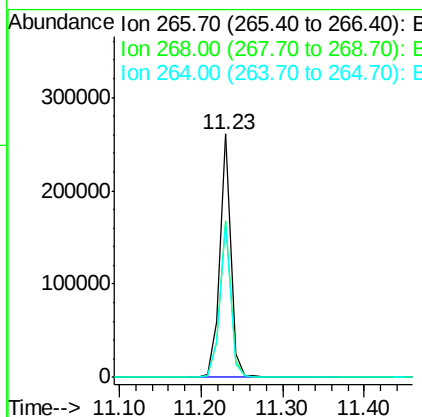
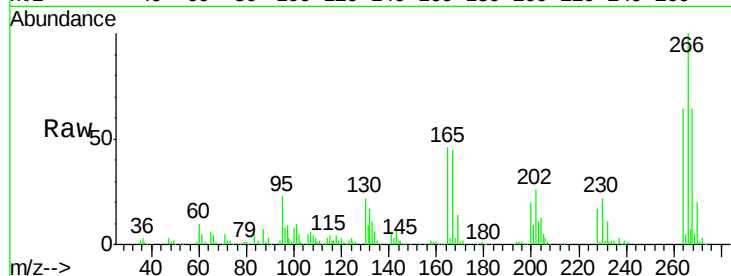
#69
 Pentachlorophenol
 Concen: 89.65 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	244092		
268	64.4	50.2	75.2	
264	63.6	51.4	77.2	

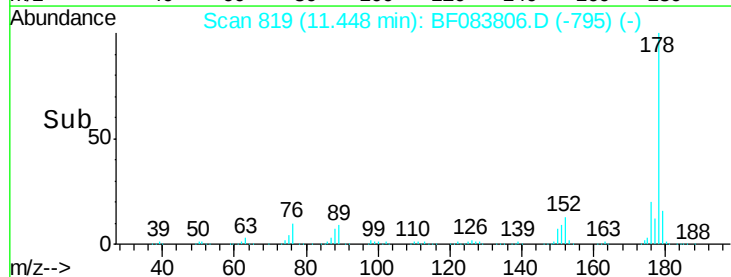
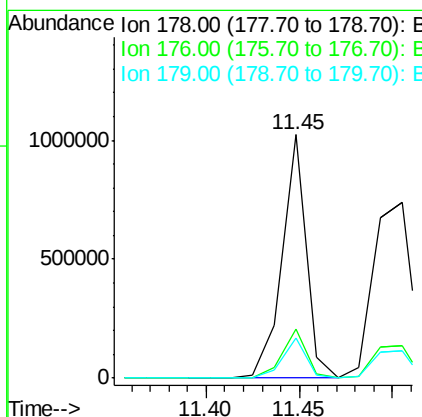
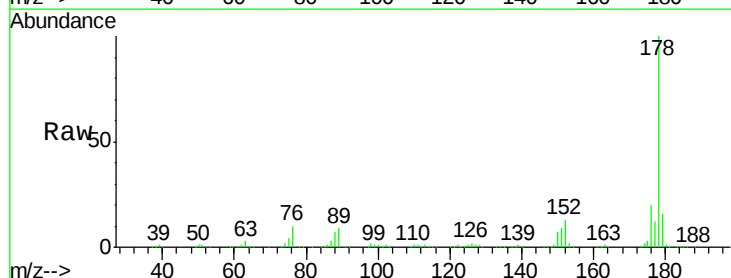
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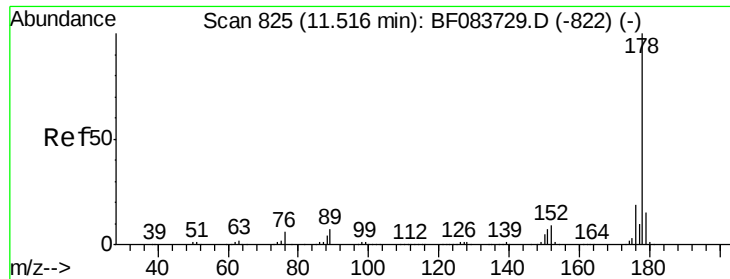
MMdadoda
 12/15/2015 6:14:27 PM



#70
 Phenanthrene
 Concen: 43.77 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	927642		
176	20.1	15.7	23.5	
179	16.3	12.2	18.4	





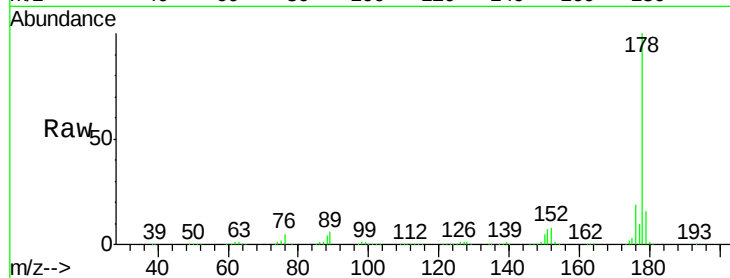
#71
 Anthracene
 Concen: 45.73 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

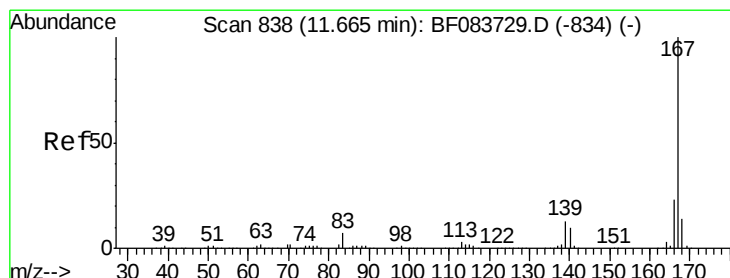
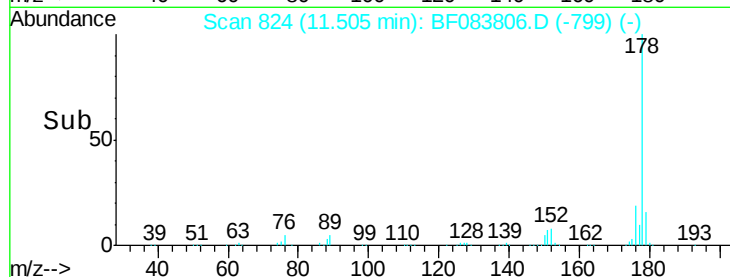
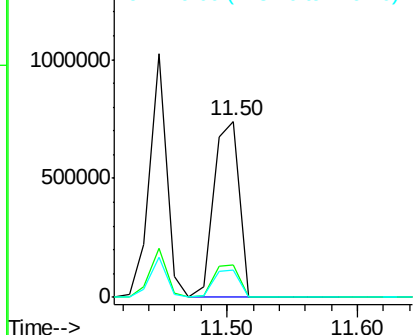
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.6	12.6	18.8

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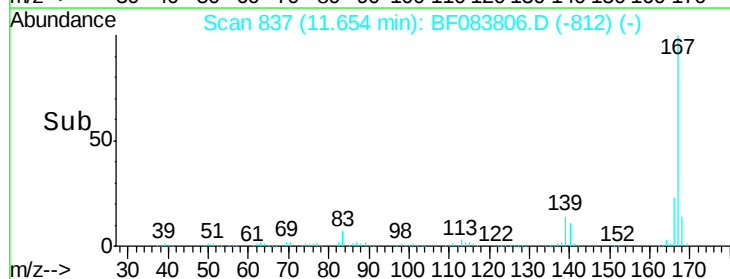
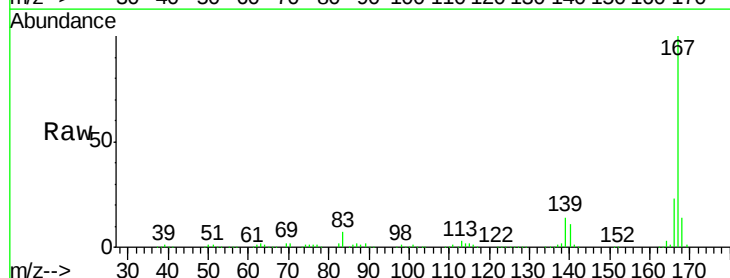
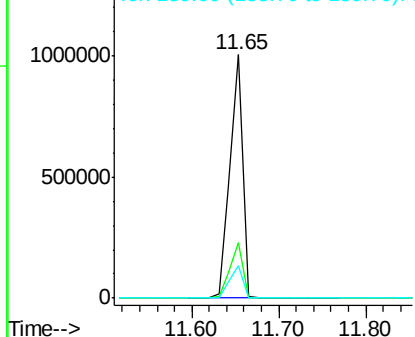
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

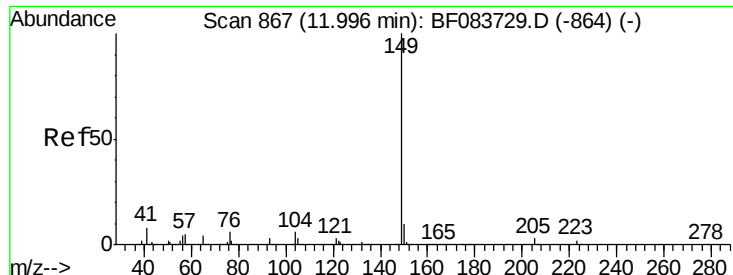


#72
 Carbazole
 Concen: 49.92 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.2	25.8
139	13.5	9.3	13.9

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.53 ng

RT: 11.99 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

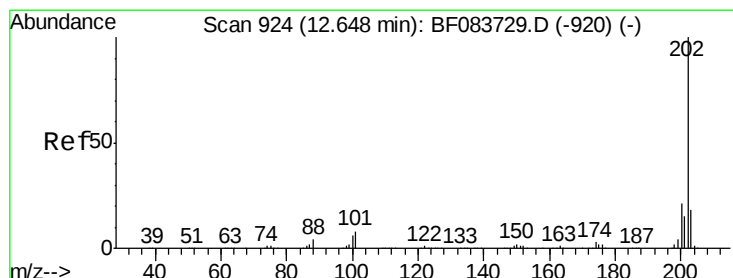
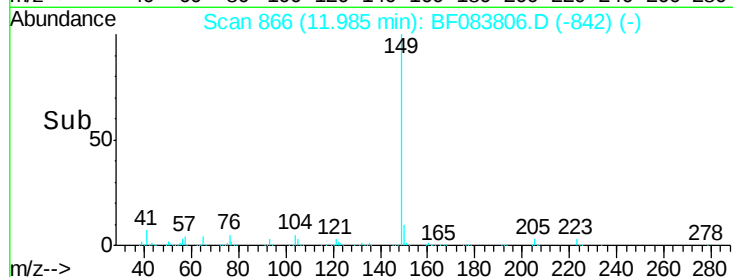
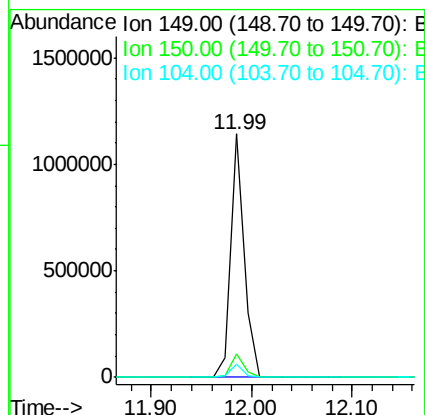
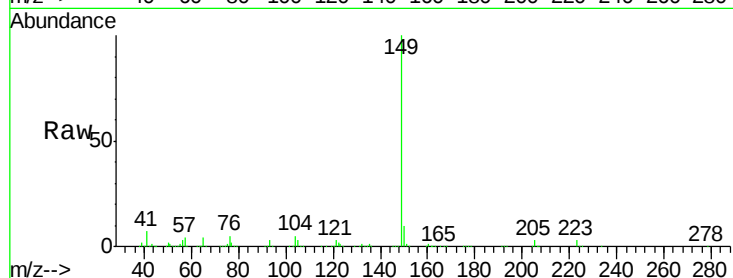
ClientSampleId :

PB87256BSD

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Tot Ion:	149	Resp:	1059367
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.6
104	5.5	3.9	5.9



#74

Fluoranthene

Concen: 49.83 ng

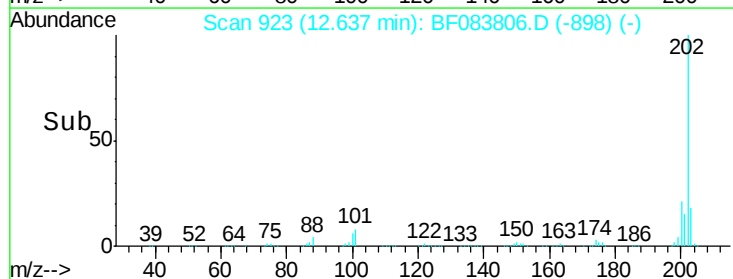
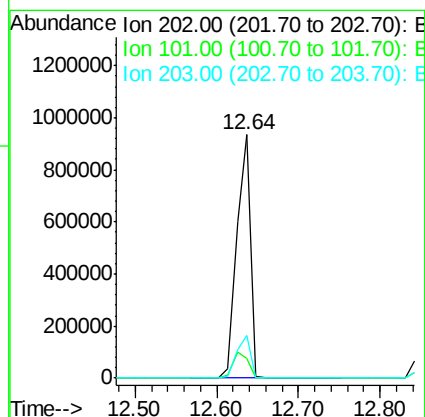
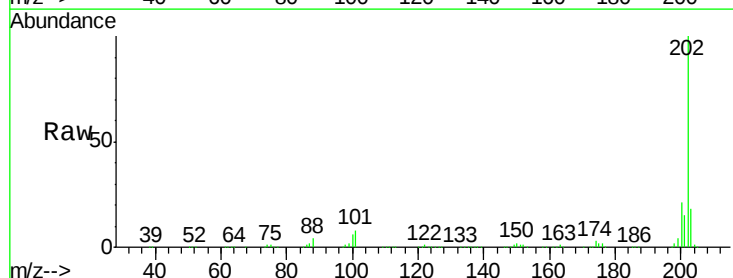
RT: 12.64 min Scan# 923

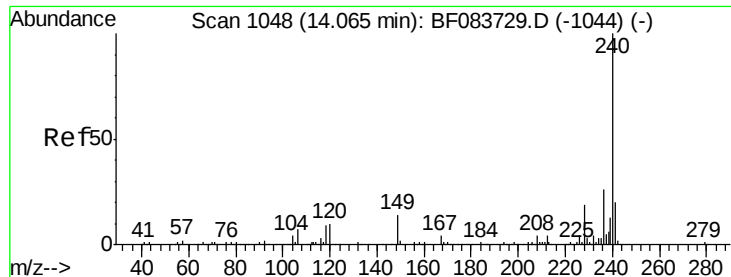
Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	202	Resp:	1091324
Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	31.5
203	17.7	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

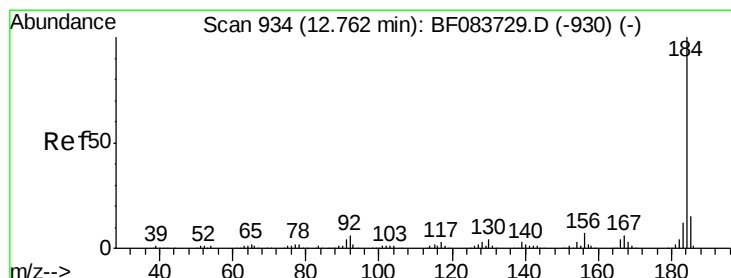
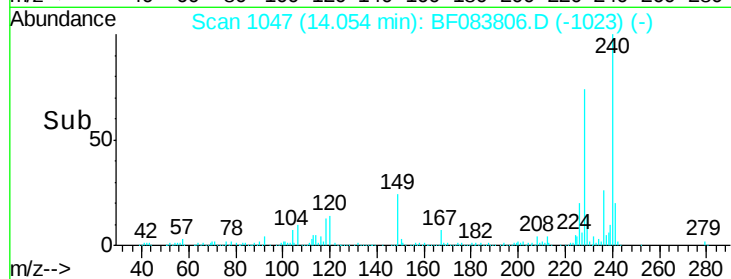
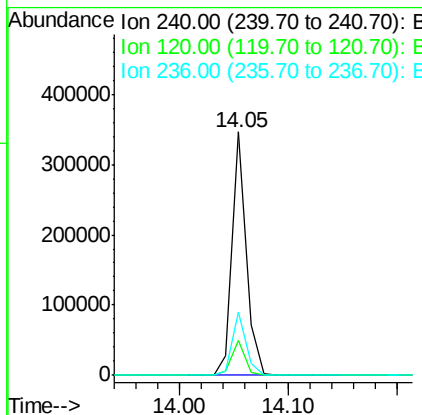
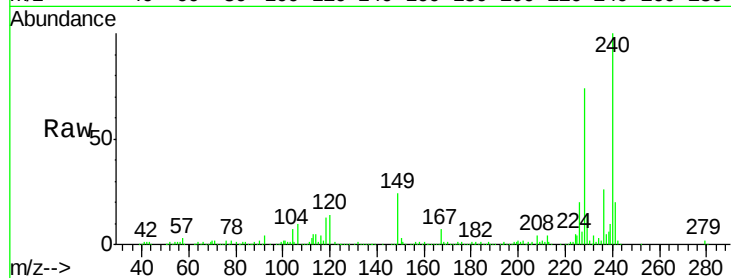
ClientSampleId :

PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100	310489		
120	14.4	8.1	12.1	#
236	25.9	20.8	31.2	

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MMdadoda
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#76

Benzidine

Concen: 33.17 ng

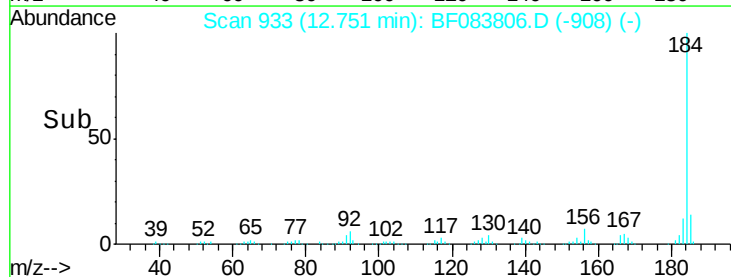
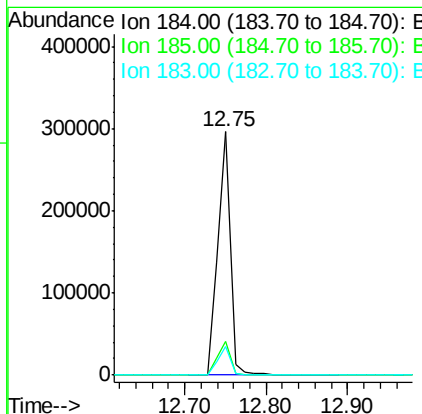
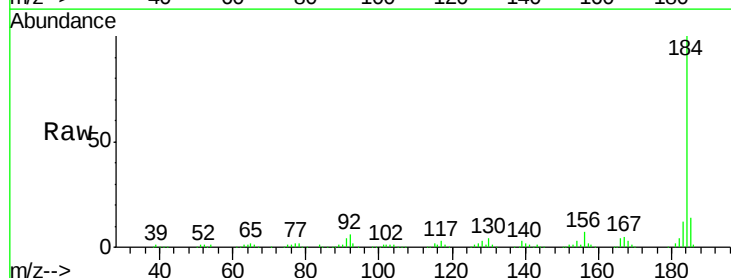
RT: 12.75 min Scan# 933

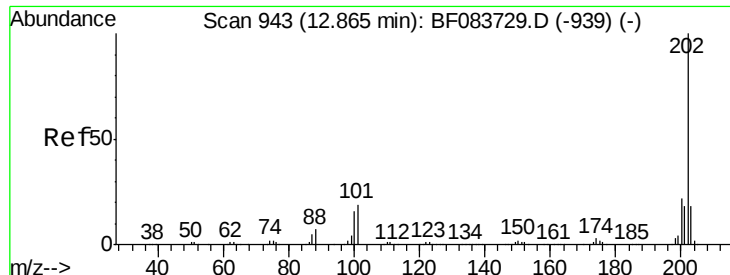
Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	313818		
185	13.7	13.0	19.6	
183	11.8	9.0	13.4	





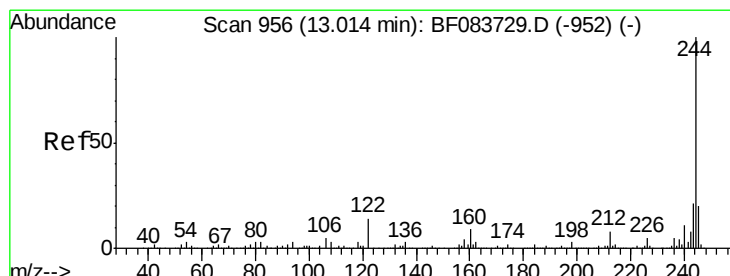
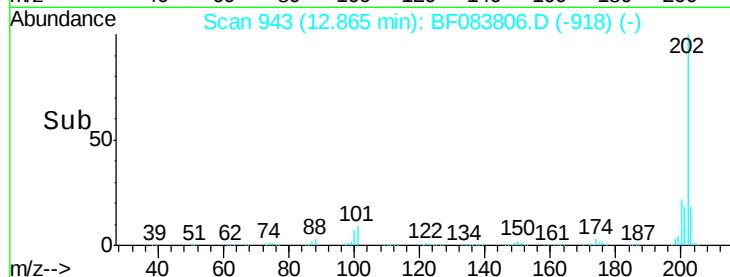
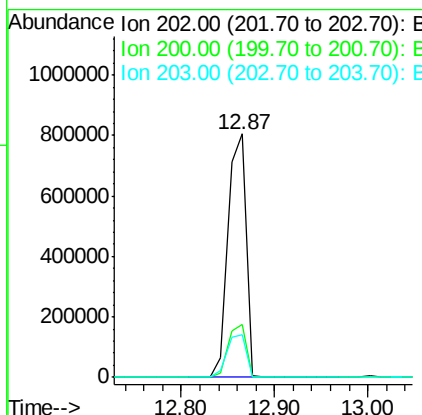
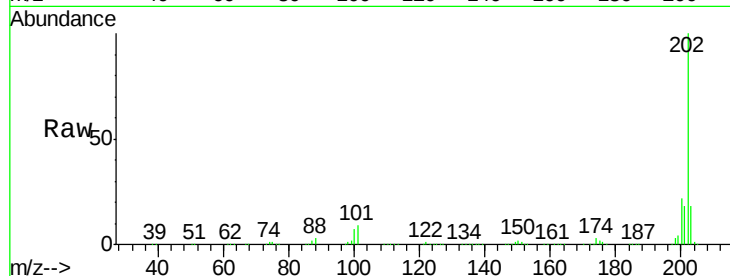
#77
Pvrene
Concen: 44.73 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion:202 Resp: 1097645
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 17.8 14.3 21.5

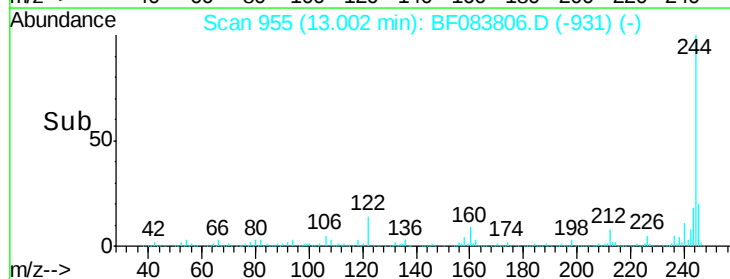
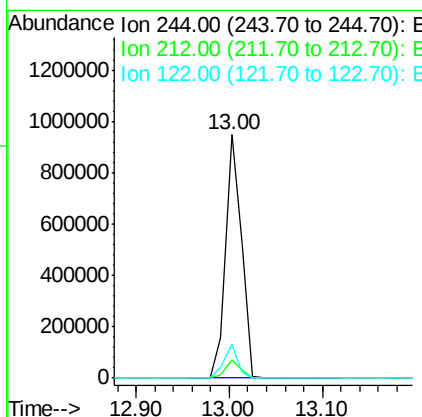
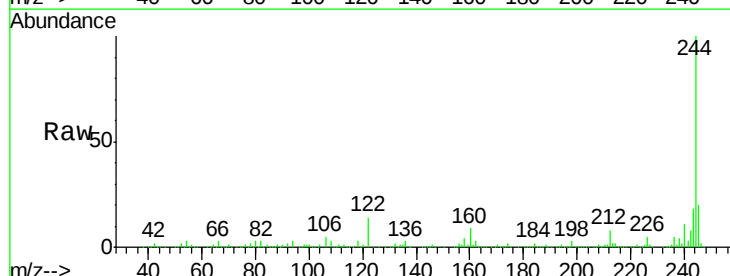
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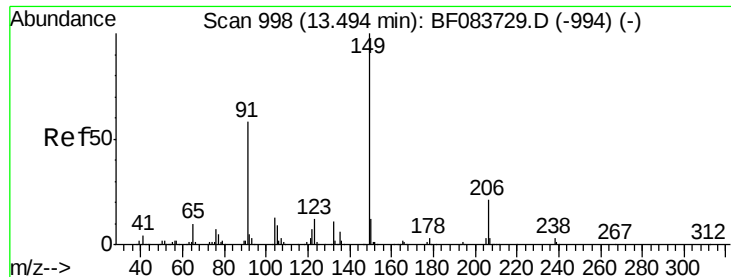
MMdadoda
12/15/2015 6:14:27 PM



#78
Terphenyl-d14
Concen: 78.05 ng
RT: 13.00 min Scan# 955
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion:244 Resp: 1126642
Ion Ratio Lower Upper
244 100
212 7.8 6.1 9.1
122 14.1 11.0 16.6





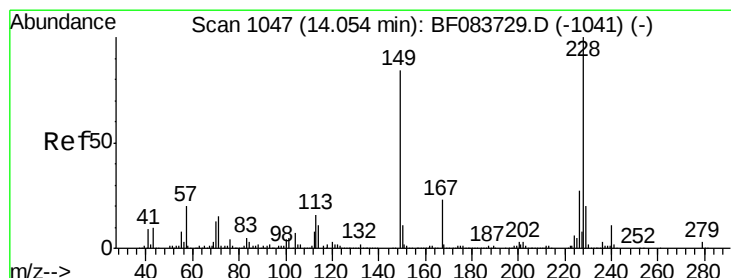
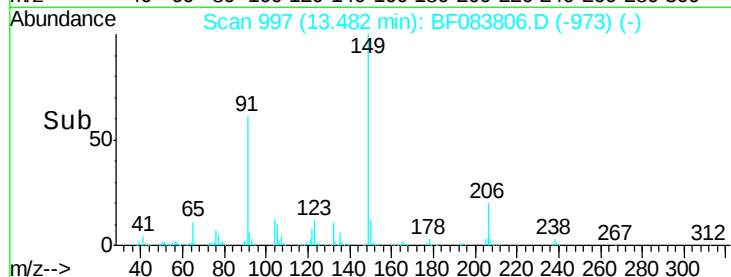
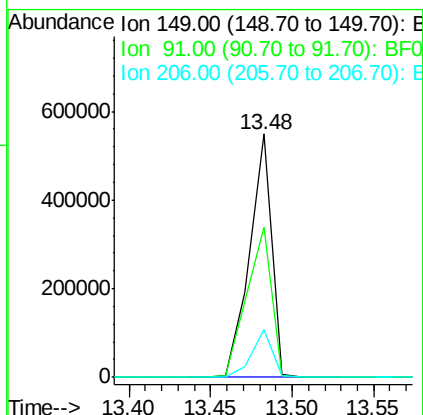
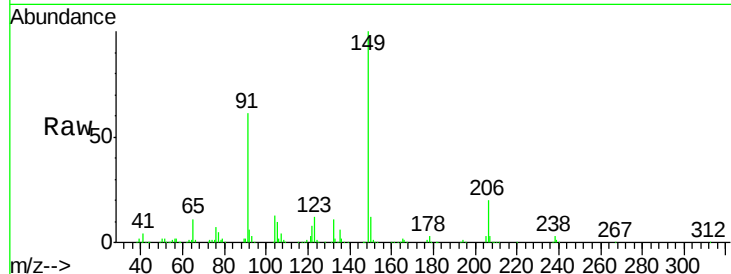
#79
Butylbenzylphthalate
Concen: 48.92 ng
RT: 13.48 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	515256		
91	61.5	60.0	90.0	
206	19.8	16.2	24.4	

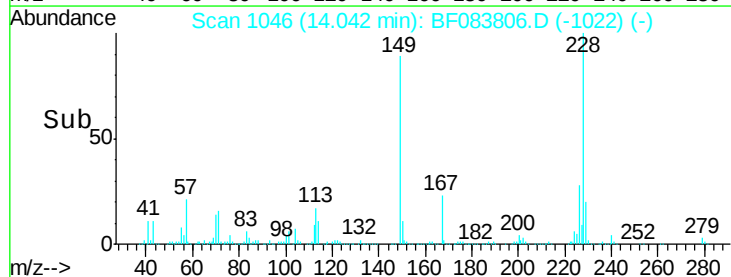
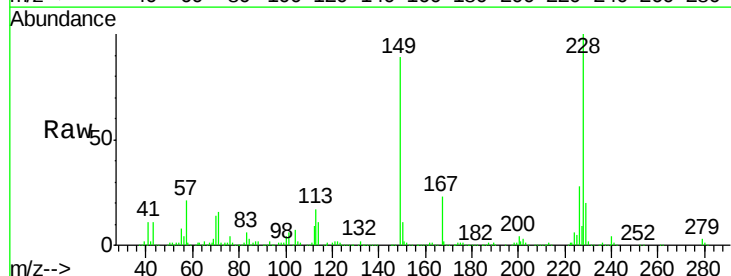
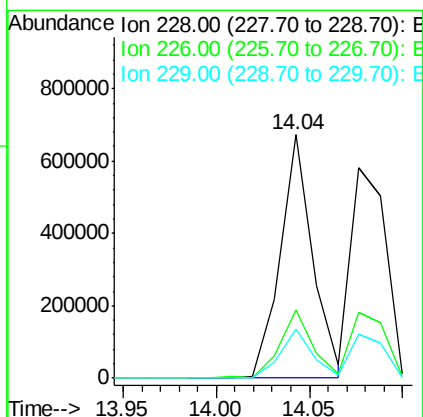
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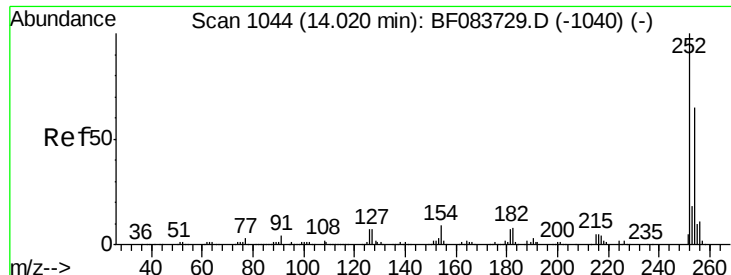
MMdadoda
12/15/2015 6:14:27 PM



#80
Benzo(a)anthracene
Concen: 46.21 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	815940		
226	28.0	22.3	33.5	
229	20.2	15.7	23.5	





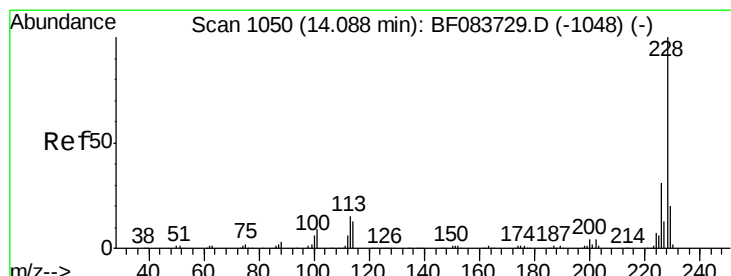
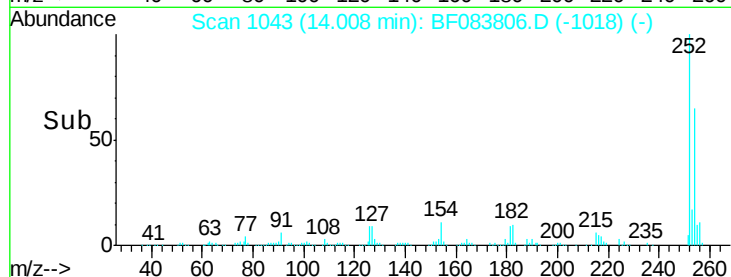
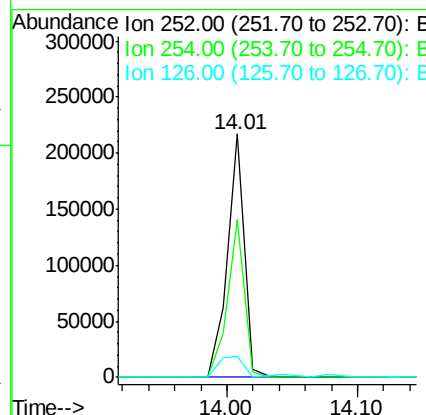
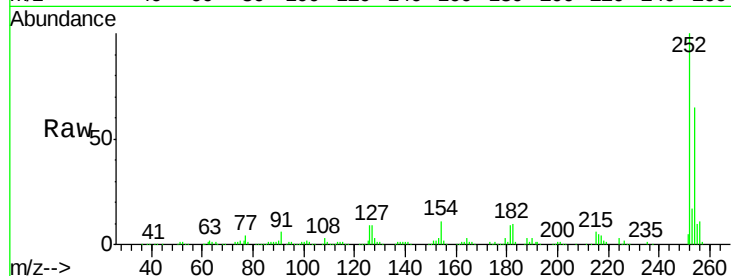
#81
 3,3'-Dichlorobenzidine
 Concen: 31.05 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.6	76.0
126	8.8	11.0	16.4

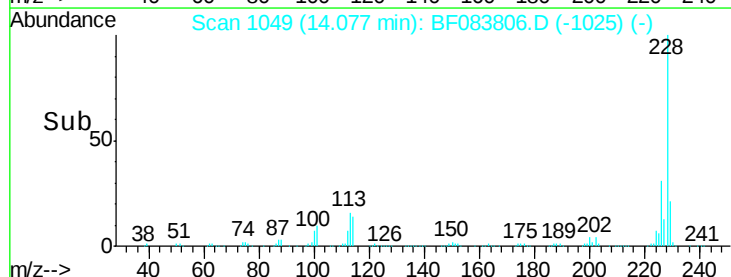
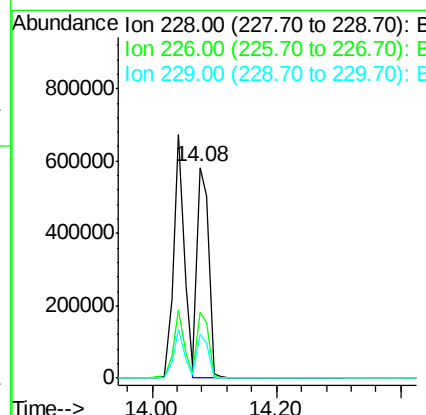
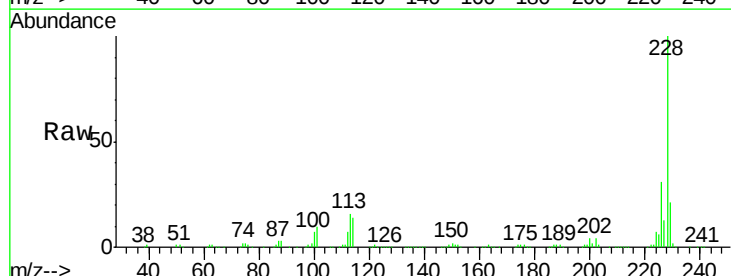
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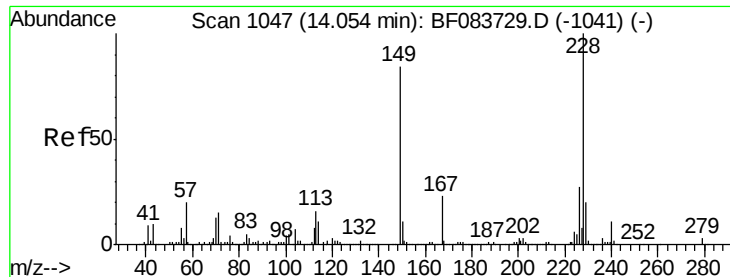
MMdadoda
 12/15/2015 6:14:27 PM



#82
 Chrysene
 Concen: 44.39 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	20.7	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.15 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

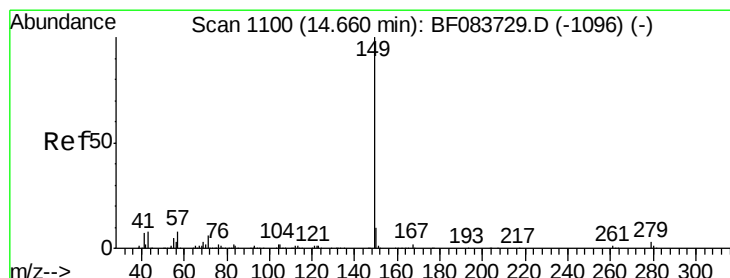
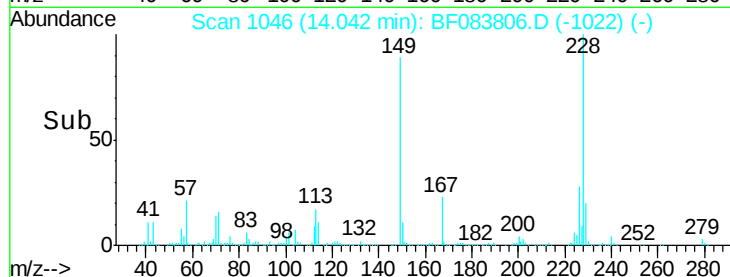
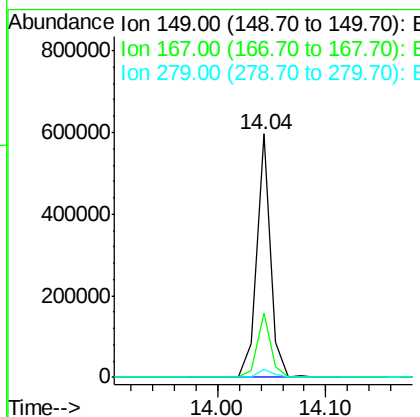
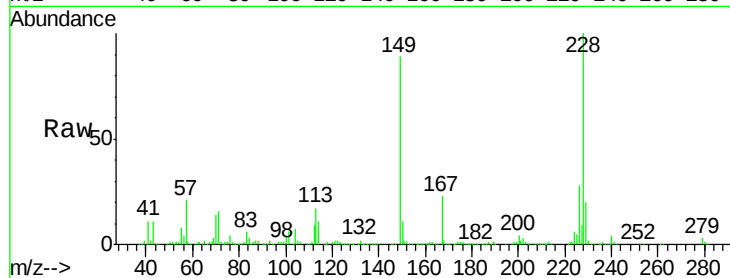
ClientSampleId :

PB87256BSD

Tot Ion:	149	Resp:	529302
Ion Ratio		Lower	Upper
149	100		
167	26.3	21.8	32.8
279	3.2	3.0	4.4

Manual Integrations
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MMdadoda
12/15/2015 6:14:27 PM



#84

Di-n-octyl phthalate

Concen: 47.60 ng

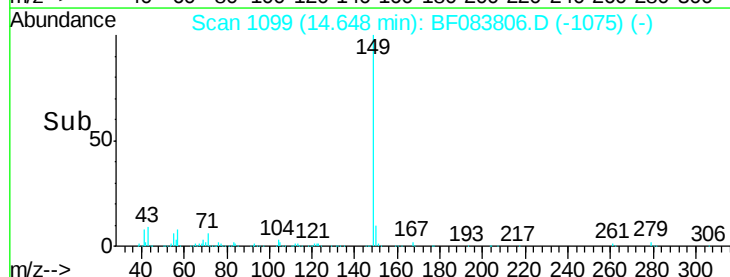
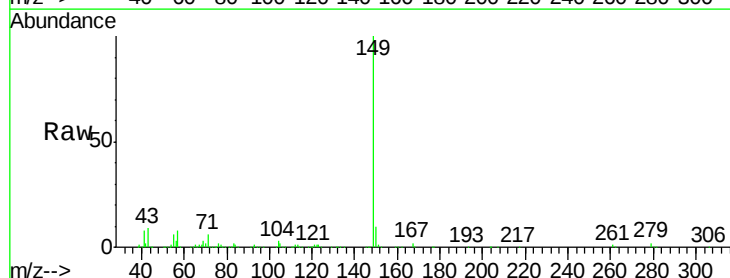
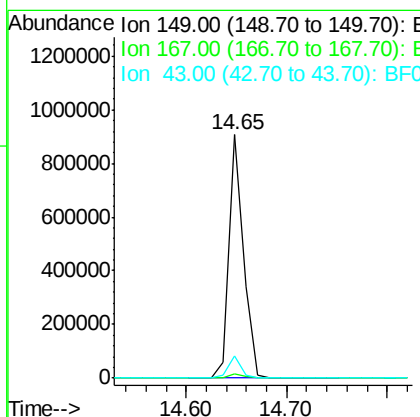
RT: 14.65 min Scan# 1099

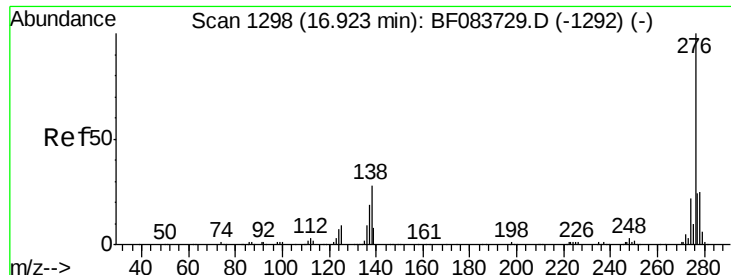
Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	149	Resp:	906723
Ion Ratio		Lower	Upper
149	100		
167	1.5	0.0	0.0#
43	8.3	0.0	0.0#





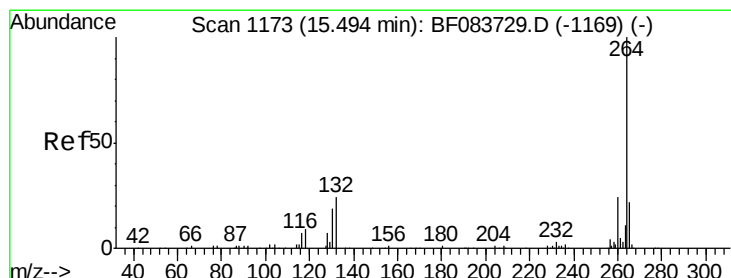
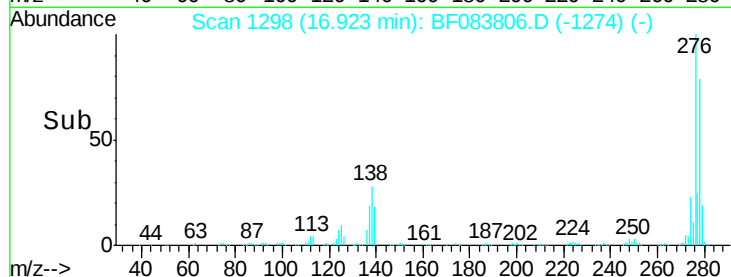
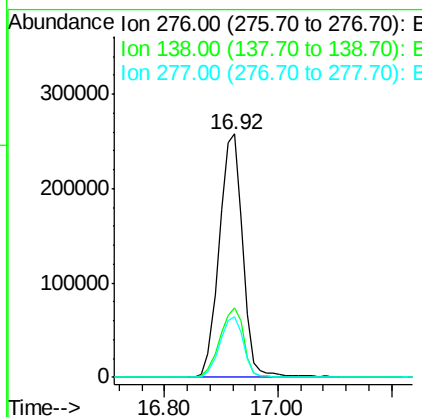
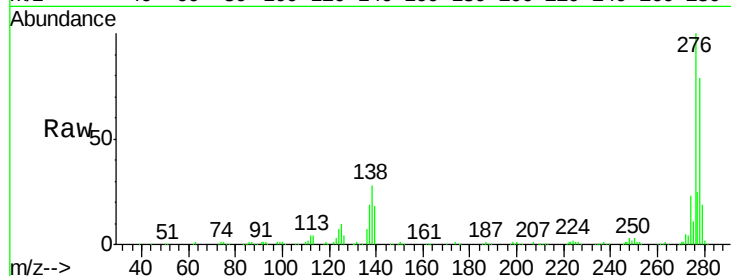
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.97 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	29.2	0.0	0.0#
277	25.3	0.0	0.0#

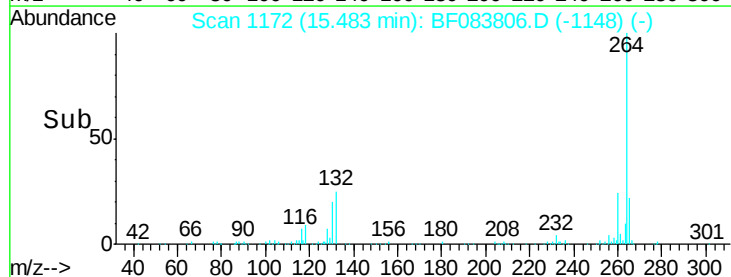
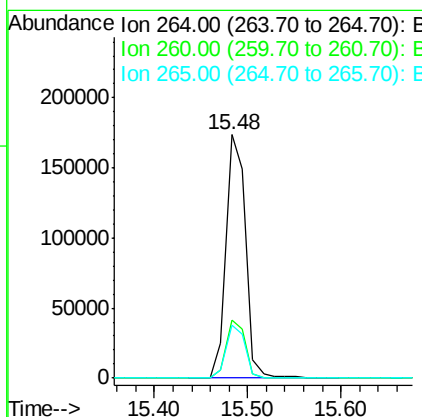
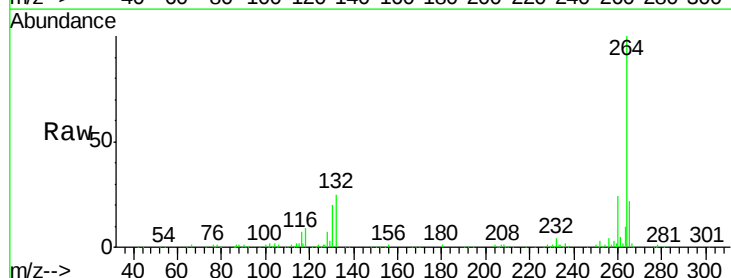
Manual Integrations
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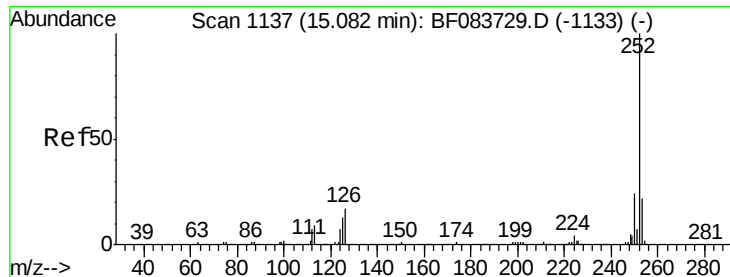
MMdadoda
12/15/2015 6:14:27 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 53.09 ng m

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Instrument :

BNA_F

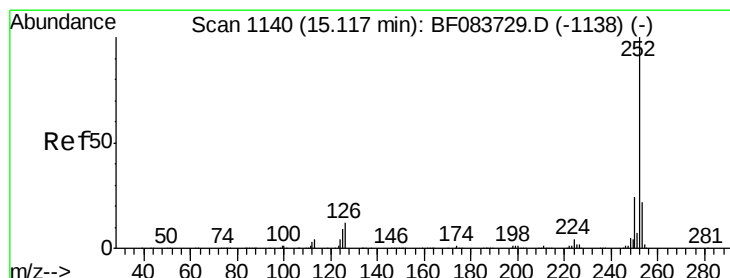
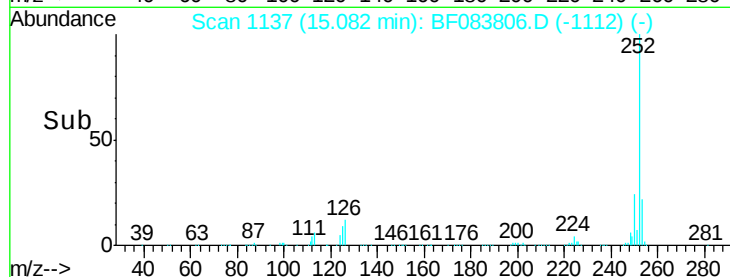
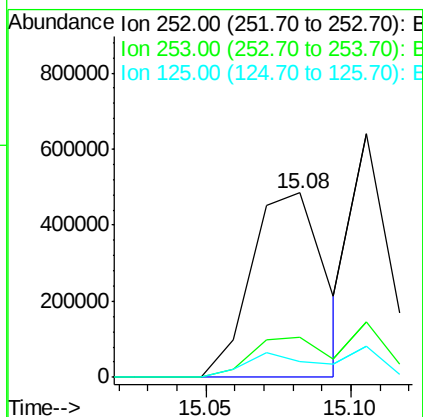
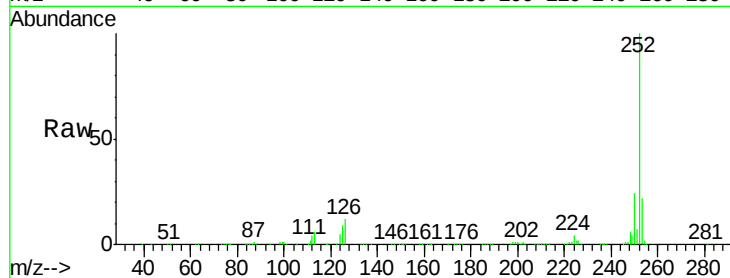
ClientSampleId :

PB87256BSD

Tot Ion:	252	Resp:	856694
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.4
125	8.7	8.2	12.4

Manual Integrations
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MMdadoda
12/15/2015 6:14:27 PM



#88

Benzo(k)fluoranthene

Concen: 39.28 ng m

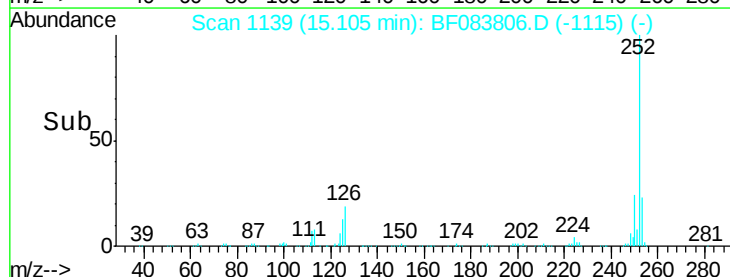
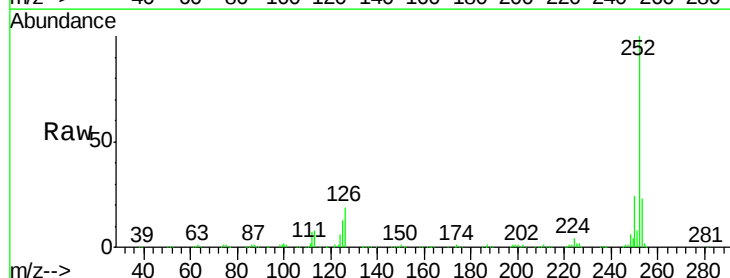
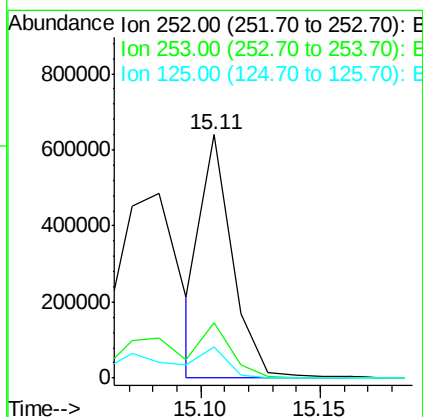
RT: 15.11 min Scan# 1139

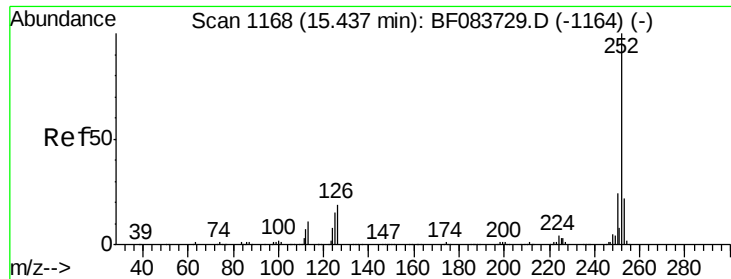
Delta R.T. -0.02 min

Lab File: BF083806.D

Acq: 15 Dec 2015 9:10

Tgt Ion:	252	Resp:	574261
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.6	27.8
125	13.0	11.5	17.3





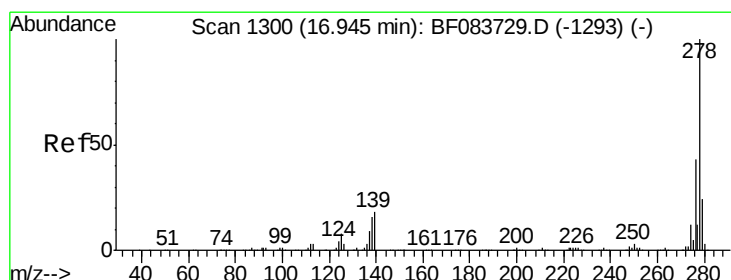
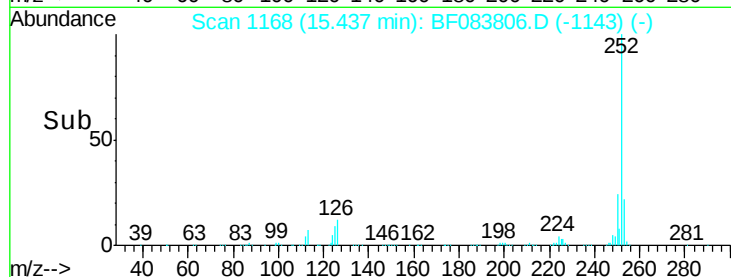
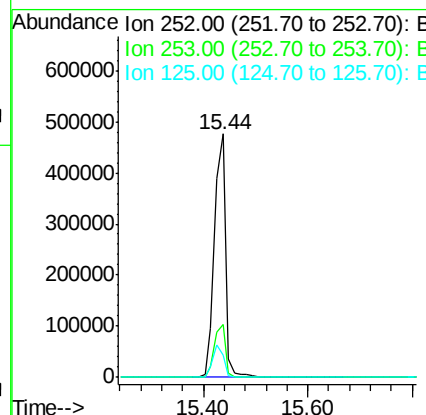
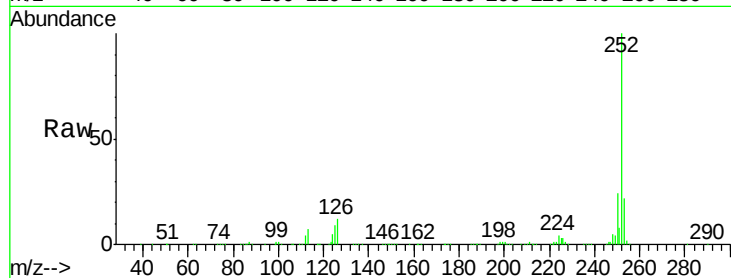
#89
Benzo(a)pyrene
Concen: 49.07 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Instrument :
BNA_F
ClientSampleId :
PB87256BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.2	11.0	16.6

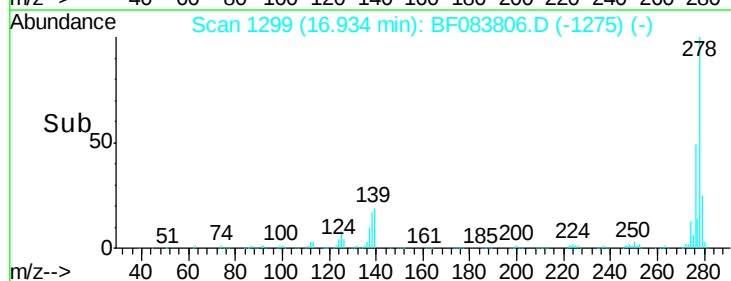
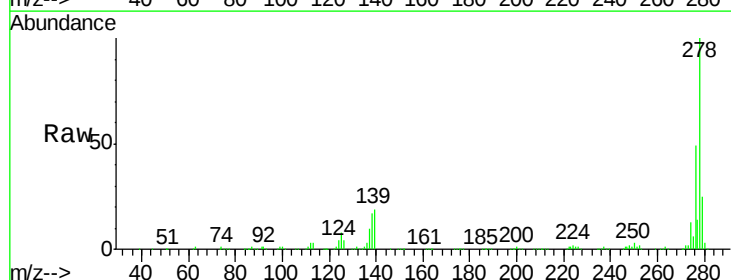
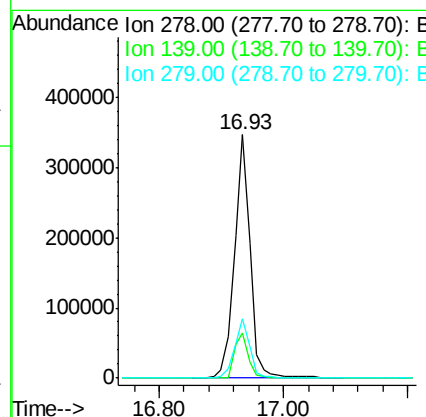
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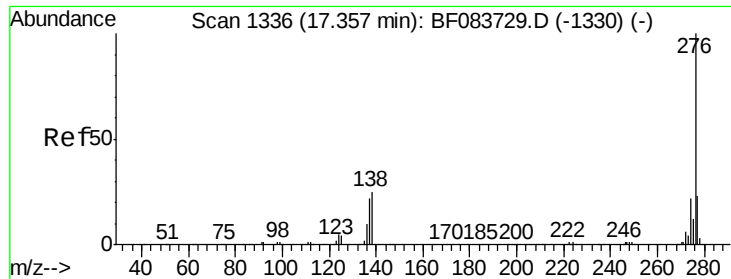
MMdadoda
12/15/2015 6:14:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 42.54 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF083806.D
Acq: 15 Dec 2015 9:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	12.8	19.2
279	24.6	18.6	28.0





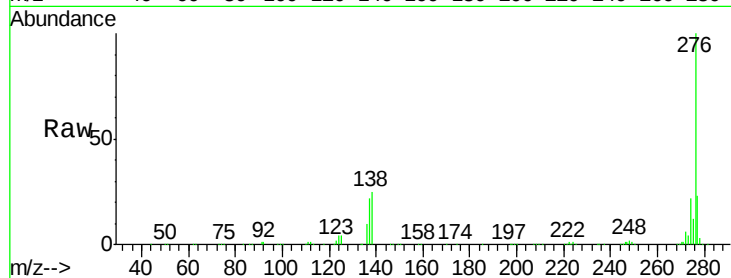
#91
 Benzo(a,h,i)perylene
 Concen: 42.96 ng
 RT: 17.35 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: BF083806.D
 Acq: 15 Dec 2015 9:10

Instrument :
 BNA_F
 ClientSampleId :
 PB87256BSD

Tot Ion:	276	Resp:	632298
Ion Ratio		Lower	Upper
276	100		
277	23.4	19.2	28.8
138	24.7	19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
 12/15/2015 6:14:27 PM



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

