

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121715\
 Data File : BF083868.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4775-16MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 5:35:02 PM

Quant Time: Dec 17 06:15:43 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	114931	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	482767	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	233317	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	422493	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	307333	20.00	ng	-0.02
86) Perylene-d12	15.49	264	249769	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	634447	89.06	ng	-0.01
7) Phenol-d6	6.53	99	737358	81.73	ng	-0.01
23) Nitrobenzene-d5	7.46	82	531615	61.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	243775	102.54	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	996030	56.89	ng	-0.03
78) Terphenyl-d14	13.00	244	959623	67.17	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.69	88	81949	23.79	ng	# 67
3) Pyridine	3.40	79	158988	18.34	ng	# 82
4) n-Nitrosodimethylamine	3.32	42	94694	28.88	ng	# 61
6) Aniline	6.56	93	56566	4.62	ng	# 3
8) 2-Chlorophenol	6.68	128	267050	31.90	ng	88
9) Benzaldehyde	6.44	77	43110	8.90	ng	82
10) Phenol	6.54	94	228865	22.04	ng	86
11) bis(2-Chloroethyl)ether	6.64	93	282495	37.57	ng	# 81
12) 1,3-Dichlorobenzene	6.84	146	278643m	31.36	ng	
13) 1,4-Dichlorobenzene	6.91	146	284469	31.68	ng	99
14) 1,2-Dichlorobenzene	7.07	146	268731	33.31	ng	96
15) Benzyl Alcohol	7.04	79	212560	32.07	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	255755	26.19	ng	73
17) 2-Methylphenol	7.15	107	216402	32.15	ng	# 86
18) Hexachloroethane	7.41	117	105693	33.15	ng	100
19) n-Nitroso-di-n-propylamine	7.31	70	163030	29.51	ng	90
20) 3+4-Methylphenols	7.31	107	269672	33.94	ng	# 69
22) Acetophenone	7.30	105	354533	29.94	ng	# 99
24) Nitrobenzene	7.48	77	281834	31.38	ng	# 73
25) Isophorone	7.72	82	517395	30.56	ng	# 91
26) 2-Nitrophenol	7.79	139	133262	30.89	ng	# 88
27) 2,4-Dimethylphenol	7.84	122	245778	28.99	ng	97
28) bis(2-Chloroethoxy)methane	7.93	93	294710	30.51	ng	# 98
29) 2,4-Dichlorophenol	8.04	162	238987	34.34	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	225756	31.28	ng	96
31) Naphthalene	8.20	128	987256	39.23	ng	98
32) Benzoic acid	7.96	122	137833	26.09	ng	91
33) 4-Chloroaniline	8.26	127	40023	3.89	ng	# 87
34) Hexachlorobutadiene	8.33	225	133603	33.73	ng	97
35) Caprolactam	8.62	113	65465m	29.29	ng	
36) 4-Chloro-3-methylphenol	8.74	107	261645	32.14	ng	90
37) 2-Methylnaphthalene	8.90	142	570348	36.10	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	205944	29.92	ng	# 100
40) Hexachlorocyclopentadiene	9.05	237	141876	40.68	ng	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	157279	31.22	nq	97
43) 2,4,5-Trichlorophenol	9.22	196	161154	33.72	nq	97
45) 1,1'-Biphenyl	9.36	154	623722	30.16	nq	97
46) 2-Chloronaphthalene	9.38	162	456445	29.90	nq	# 91
47) 2-Nitroaniline	9.47	65	129921	30.01	nq	# 82
48) Acenaphthylene	9.80	152	819302	31.90	nq	99
49) Dimethylphthalate	9.66	163	646932	35.57	nq	98
50) 2,6-Dinitrotoluene	9.72	165	146153	37.86	nq	# 64
51) Acenaphthene	9.97	154	612849	39.48	nq	99
52) 3-Nitroaniline	9.88	138	36127	8.12	nq	80
53) 2,4-Dinitrophenol	10.00	184	123561	65.53	nq	# 79
54) Dibenzofuran	10.14	168	756376	36.77	nq	95
55) 4-Nitrophenol	10.05	139	157952	47.93	nq	84
56) 2,4-Dinitrotoluene	10.12	165	160881	31.90	nq	# 85
57) Fluorene	10.49	166	567030	35.01	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	128710	35.91	nq	# 100
59) Diethylphthalate	10.36	149	619525	33.64	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	252952	34.25	nq	98
61) 4-Nitroaniline	10.50	138	104342	26.60	nq	88
62) Azobenzene	10.64	77	598492	35.65	nq	92
64) 4,6-Dinitro-2-methylphenol	10.53	198	87028	36.20	nq	# 74
65) n-Nitrosodiphenylamine	10.59	169	439026	30.38	nq	99
66) 4-Bromophenyl-phenylether	10.97	248	161270	34.14	nq	# 90
67) Hexachlorobenzene	11.04	284	180921	35.39	nq	# 89
68) Atrazine	11.12	200	122578	29.81	nq	96
69) Pentachlorophenol	11.23	266	185571	64.37	nq	98
70) Phenanthrene	11.45	178	844046	37.61	nq	100
71) Anthracene	11.49	178	720346	30.90	nq	99
72) Carbazole	11.64	167	691375	31.83	nq	# 96
73) Di-n-butylphthalate	11.98	149	975450	36.98	nq	98
74) Fluoranthene	12.62	202	750742	32.37	nq	97
77) Pyrene	12.85	202	738233	30.39	nq	99
79) Butylbenzylphthalate	13.47	149	360219	34.55	nq	# 97
80) Benzo(a)anthracene	14.04	228	550566	31.50	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	62121	9.85	nq	# 98
82) Chrysene	14.08	228	497145	29.17	nq	99
83) Bis(2-ethylhexyl)phthalate	14.03	149	470205	39.63	nq	# 95
84) Di-n-octyl phthalate	14.65	149	764529	40.55	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.93	276	569161	34.00	nq	# 100
87) Benzo(b)fluoranthene	15.08	252	542251	34.03	nq	98
88) Benzo(k)fluoranthene	15.11	252	457528m	31.69	nq	
89) Benzo(a)pyrene	15.44	252	484581	34.08	nq	98
90) Dibenzo(a,h)anthracene	16.95	278	470827	33.30	nq	95
91) Benzo(g,h,i)perylene	17.37	276	479350	32.98	nq	99

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

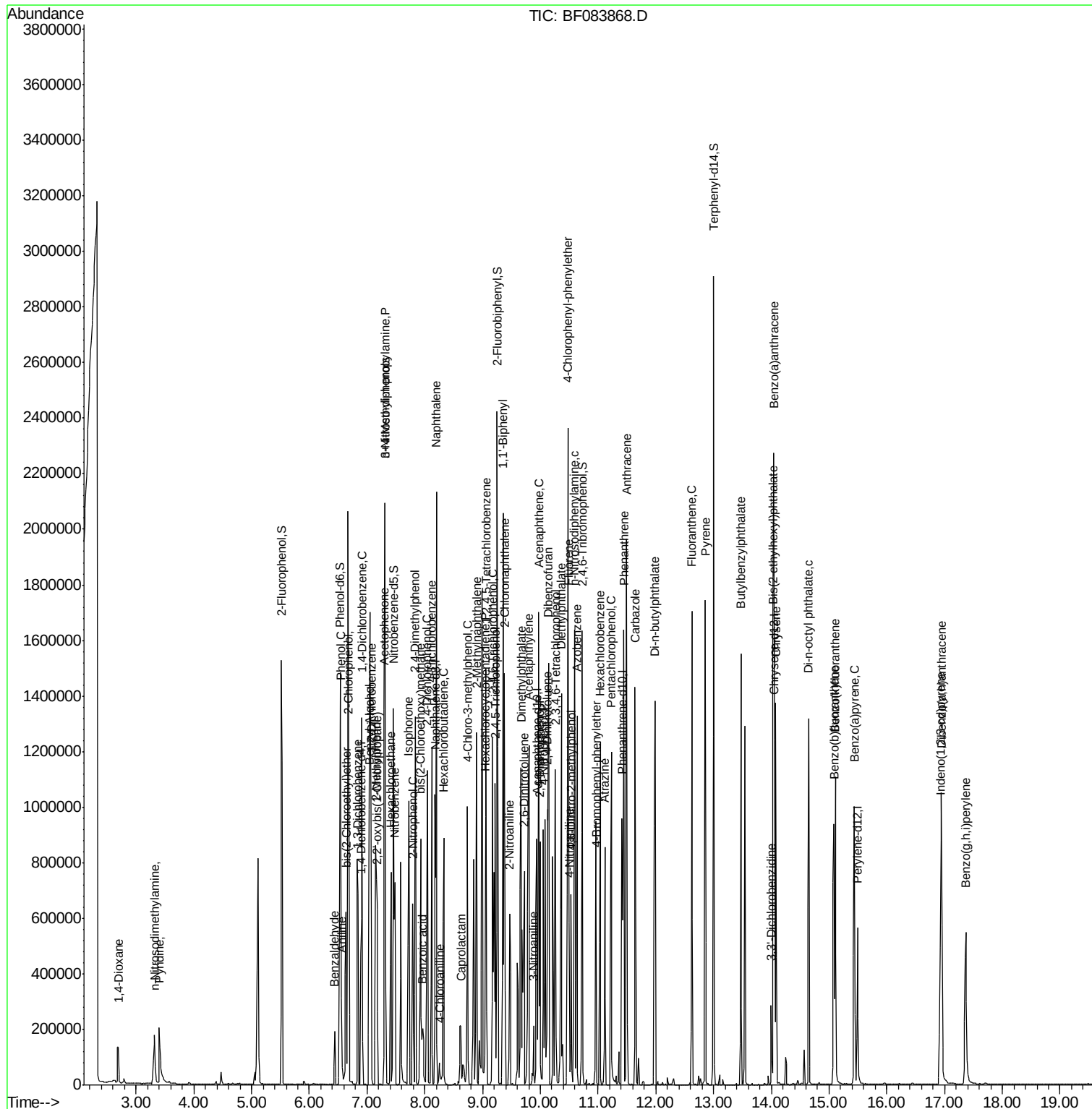
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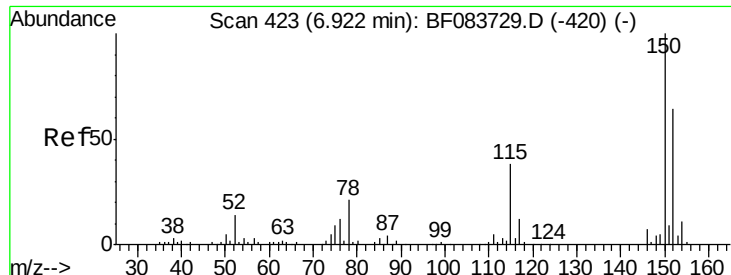
Instrument :
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#1

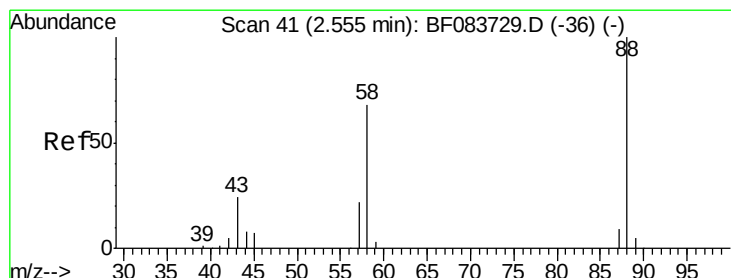
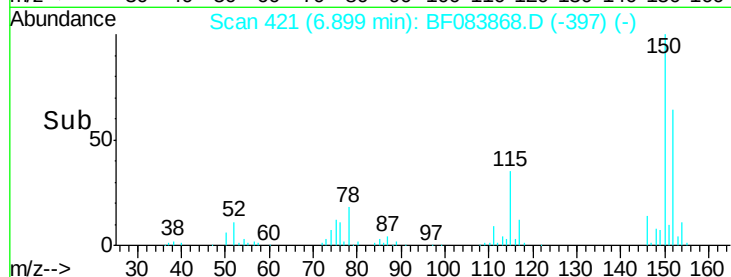
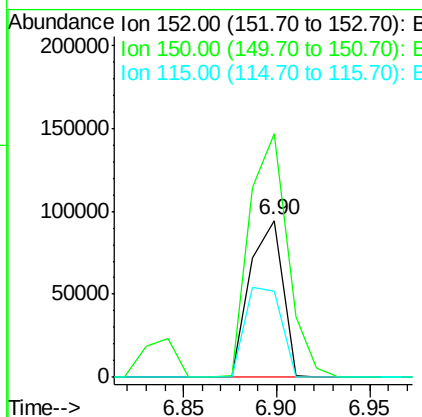
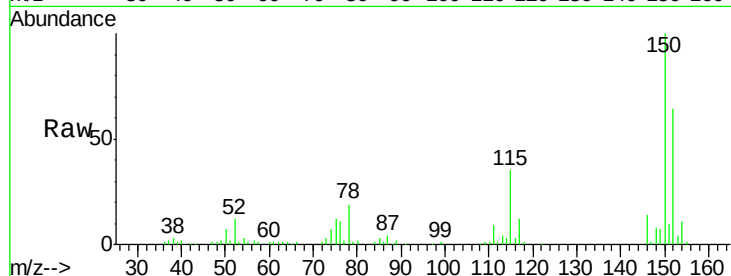
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.5	189.7
115	54.6	52.3	78.5

Manual Integrations
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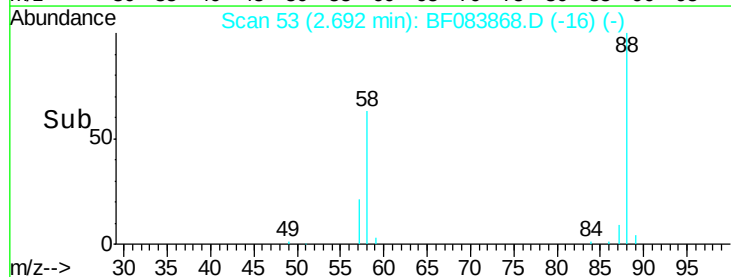
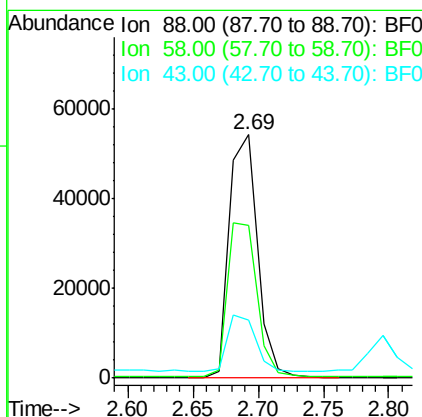
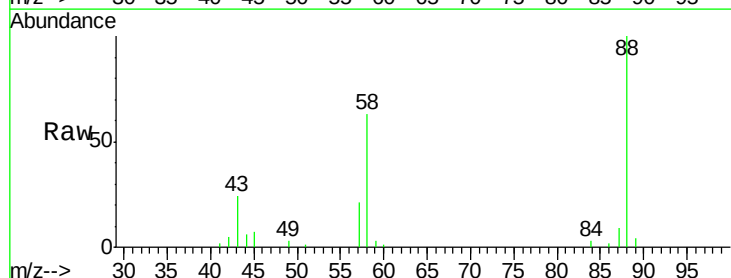
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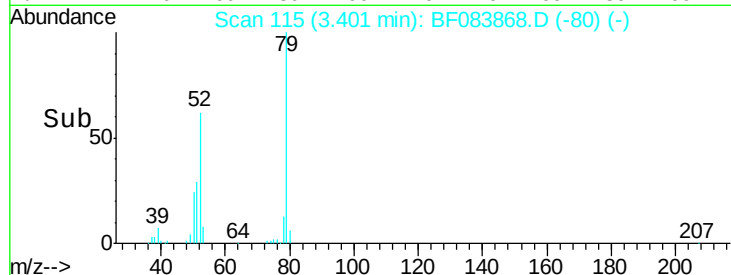
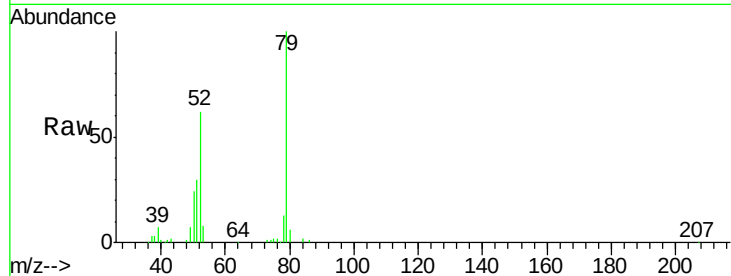
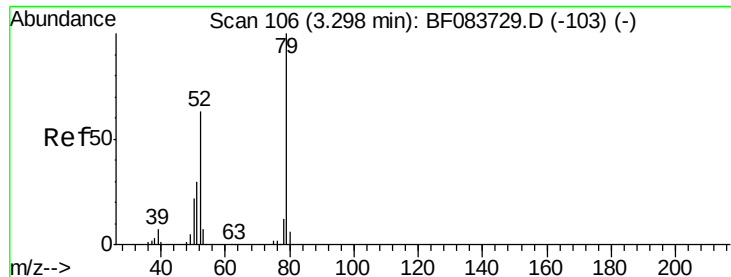


#2

1,4-Dioxane
Concen: 23.79 ng
RT: 2.69 min Scan# 53
Delta R.T. 0.13 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.6	68.0	102.0#
43	0.0	27.9	41.9#





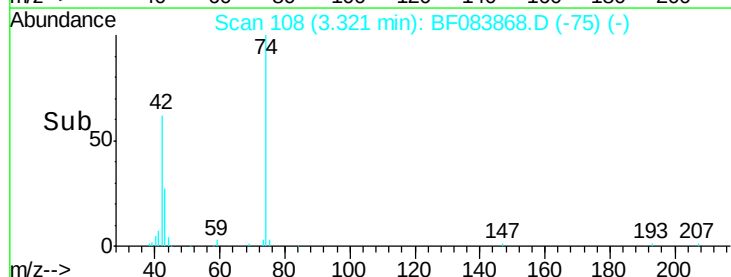
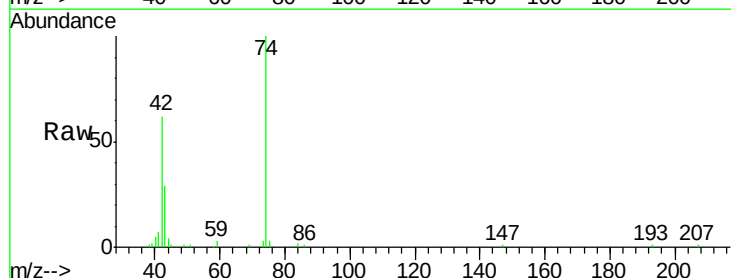
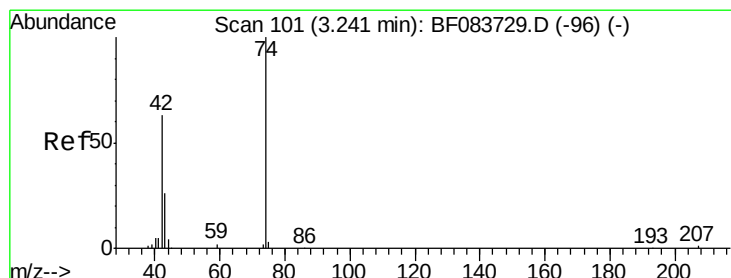
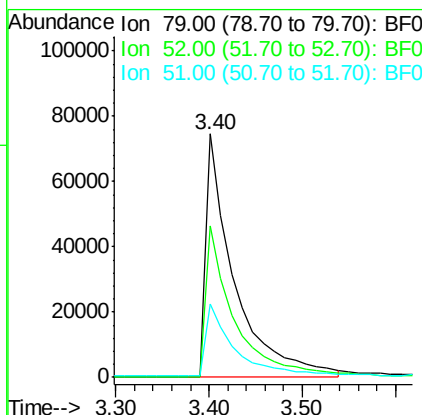
#3
Pvridine
Concen: 18.34 ng
RT: 3.40 min Scan# 115
Delta R.T. 0.10 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	62.0	63.7	95.5#		
51	30.1	30.6	45.8#		

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

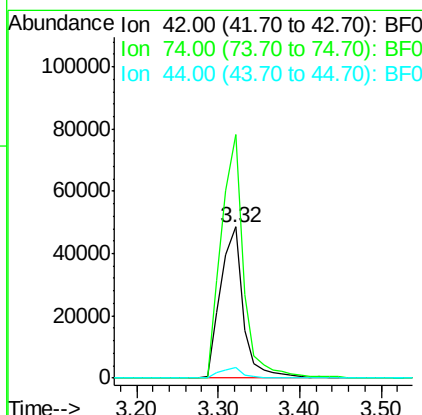
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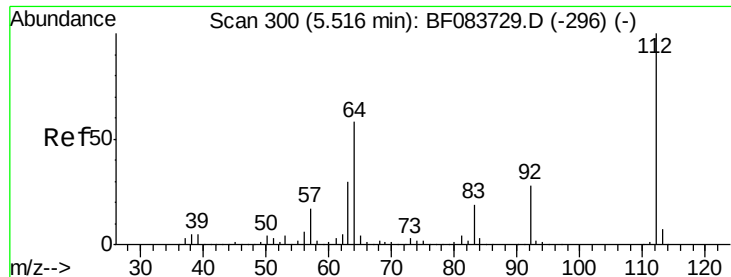
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#4
n-Nitrosodimethylamine
Concen: 28.88 ng
RT: 3.32 min Scan# 108
Delta R.T. 0.08 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	161.0	92.9	139.3#		
44	6.8	5.7	8.5		





#5

2-Fluorophenol

Concen: 89.06 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

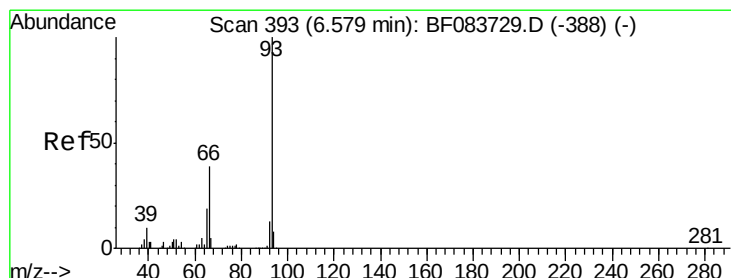
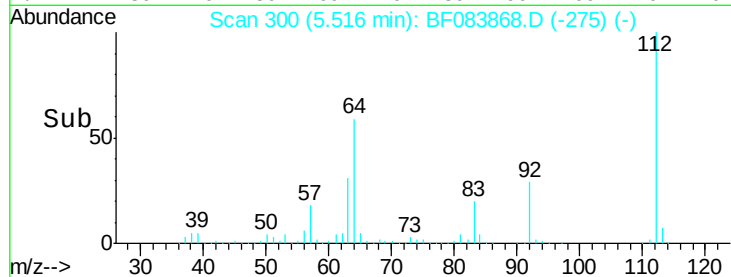
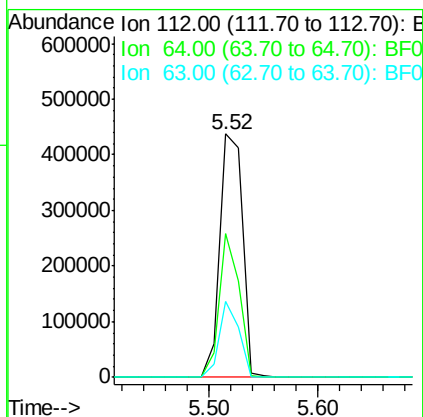
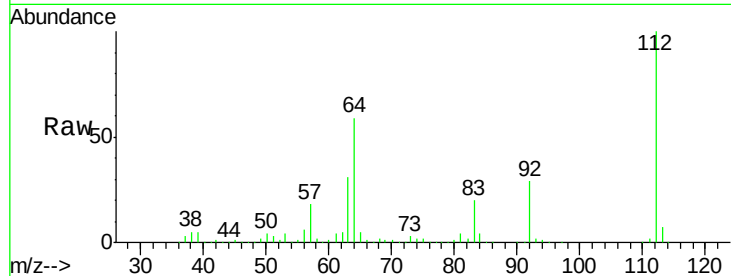
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	112	Resp:	634447
Ion Ratio	Lower	Upper	
112	100		
64	59.1	50.5	75.7
63	31.1	25.8	38.6

Manual Integrations
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#6

Aniline

Concen: 4.62 ng

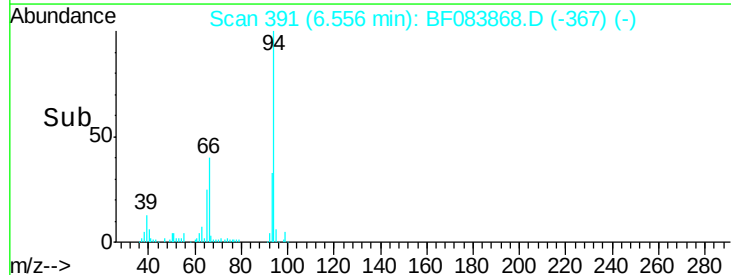
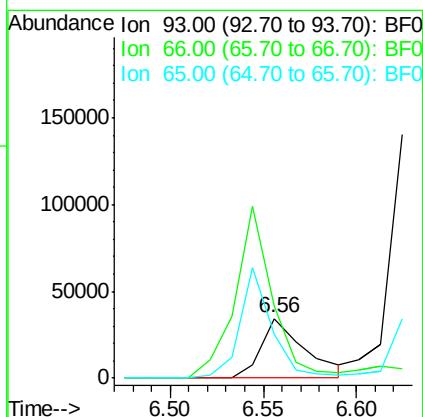
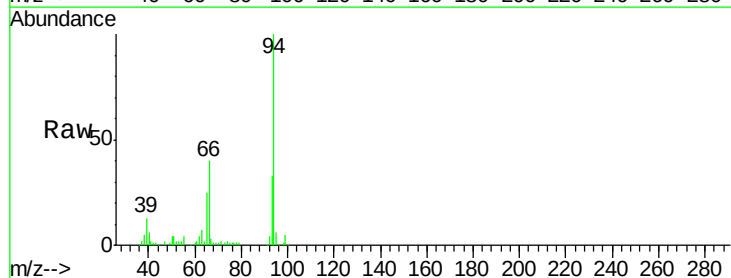
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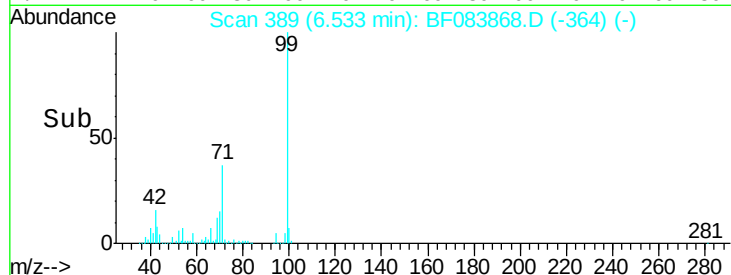
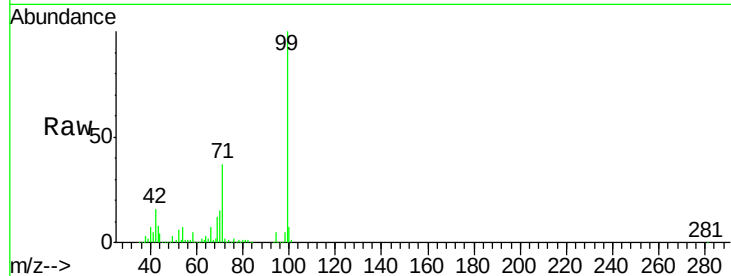
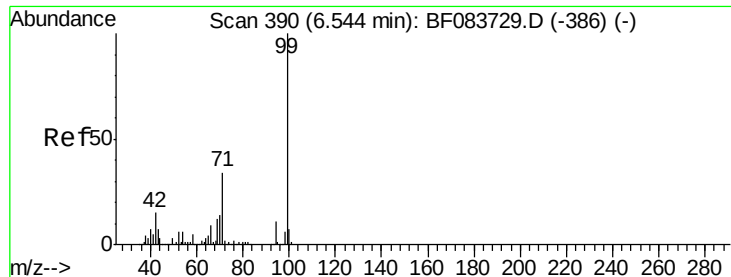
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	93	Resp:	56566
Ion Ratio	Lower	Upper	
93	100		
66	120.0	41.3	61.9#
65	74.4	20.8	31.2#





#7

Phenol-d6

Concen: 81.73 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tot Ion:	99	Resp:	737358
Ion Ratio	Lower	Upper	
99	100		
42	16.1	17.3	25.9#
71	37.5	26.6	40.0

Instrument :

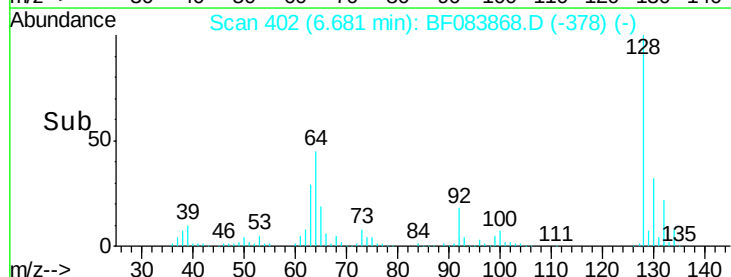
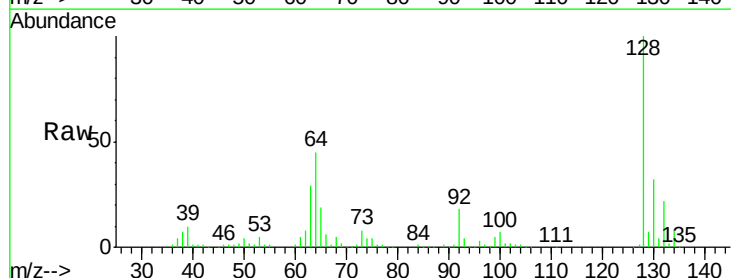
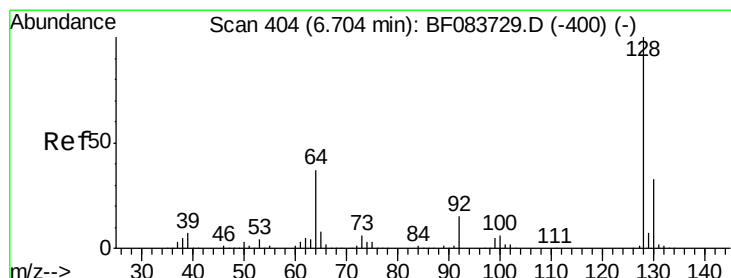
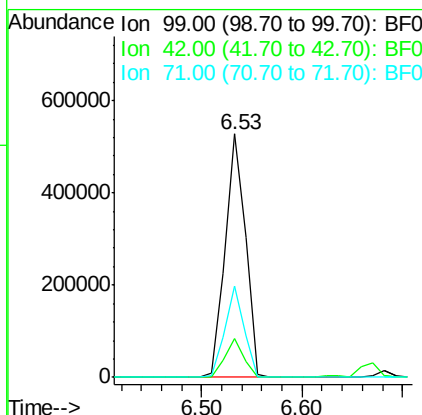
BNA_F

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Manual Integrations
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#8

2-Chlorophenol

Concen: 31.90 ng

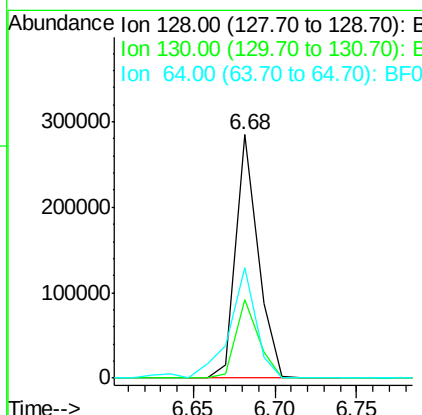
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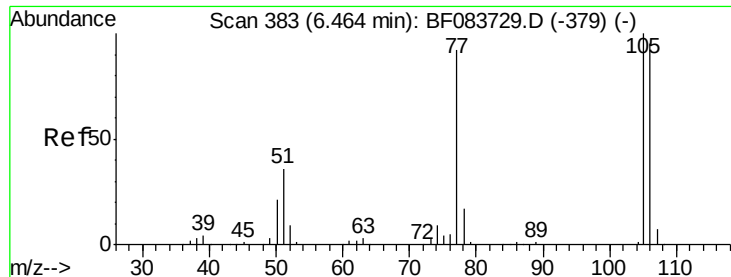
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	128	Resp:	267050
Ion Ratio	Lower	Upper	
128	100		
130	32.3	12.6	52.6
64	45.1	38.6	78.6





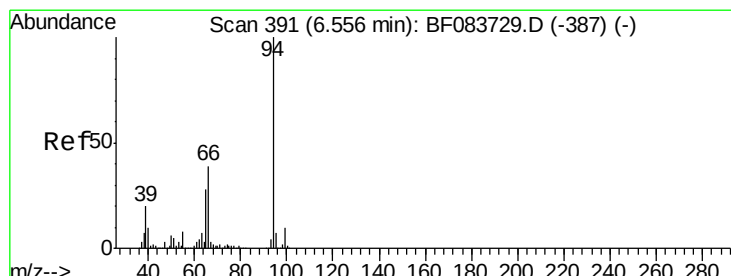
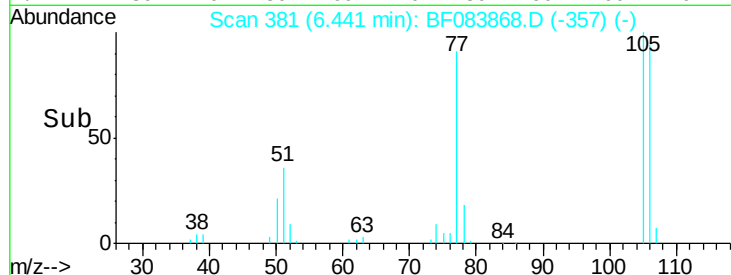
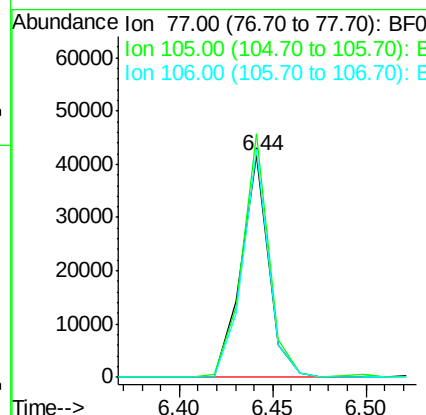
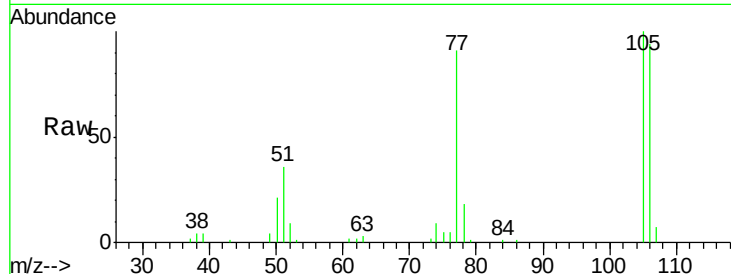
#9
Benzaldehyde
Concen: 8.90 ng
RT: 6.44 min Scan# 381
Delta R.T. -0.02 min
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	109.8	71.8	111.8		
106	102.9	66.8	106.8		

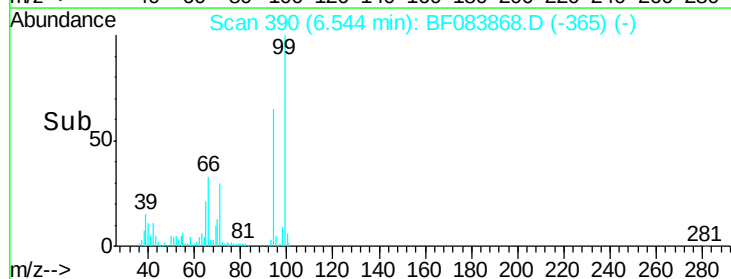
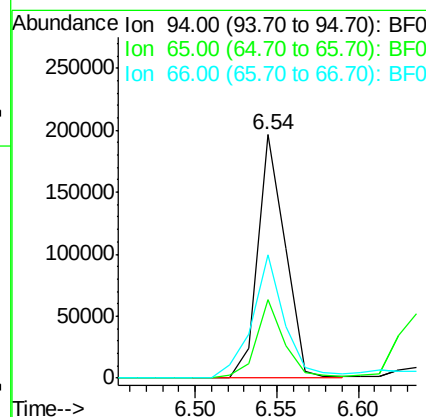
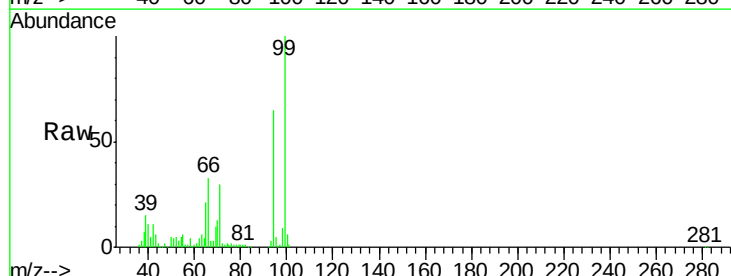
Manual Integrations
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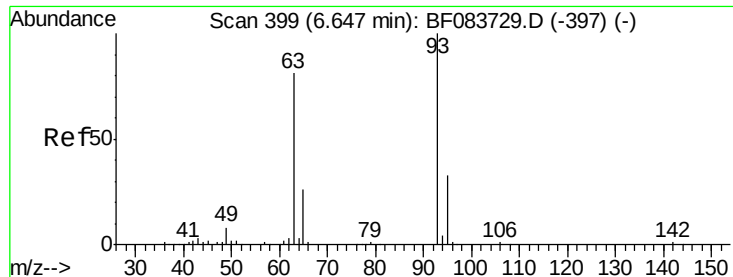
MMdadoda
12/17/2015 5:35:02 PM



#10
Phenol
Concen: 22.04 ng
RT: 6.54 min Scan# 390
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	32.2	20.9	60.9		
66	50.6	41.6	81.6		





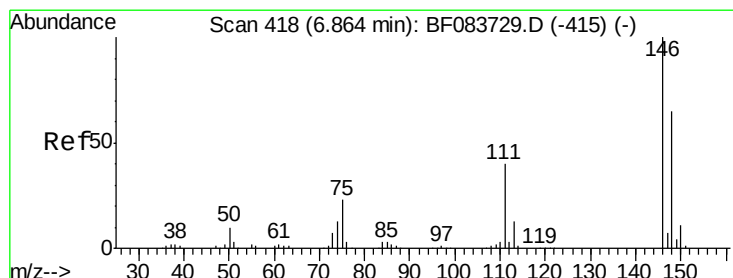
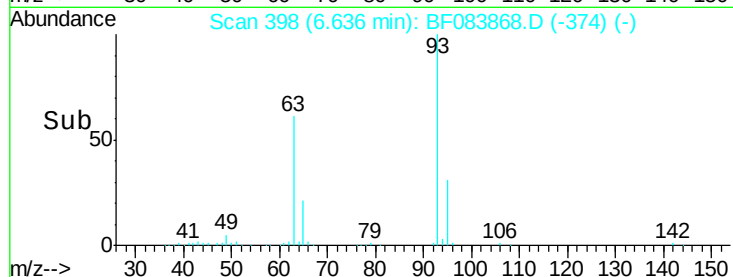
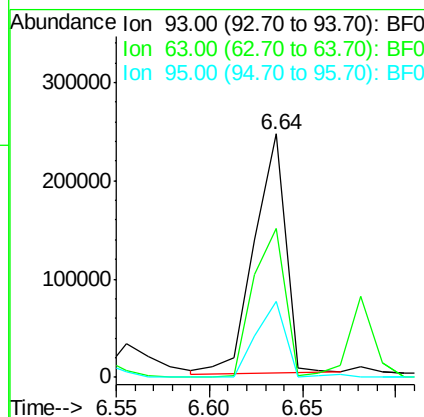
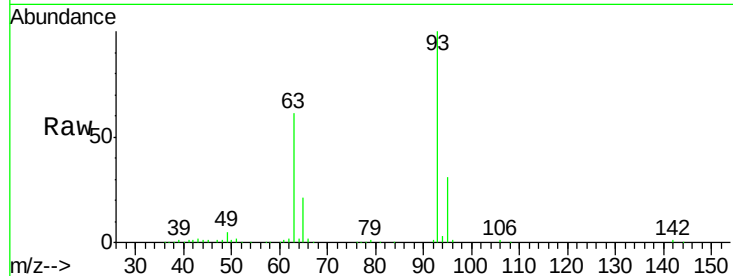
#11
bis(2-Chloroethyl)ether
Concen: 37.57 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		282495		
63	61.4	64.7	104.7#		
95	31.3	12.7	52.7		

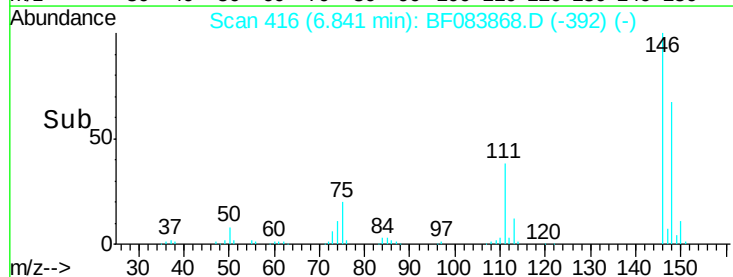
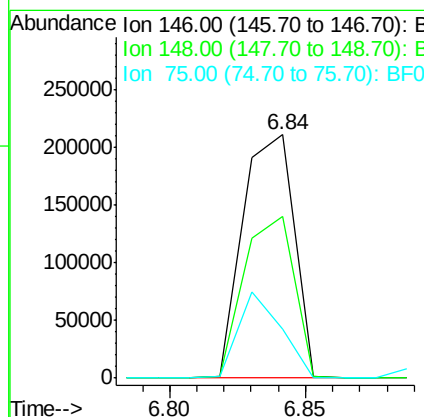
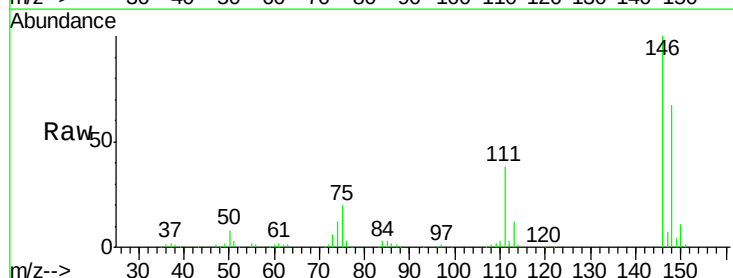
Manual Integrations
APPROVED

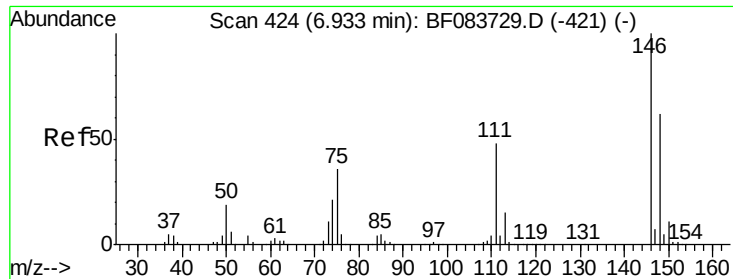
MMdadoda
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#12
1,3-Dichlorobenzene
Concen: 31.36 ng m
RT: 6.84 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		278643		
148	66.5	51.3	76.9		
75	20.2	24.1	36.1#		





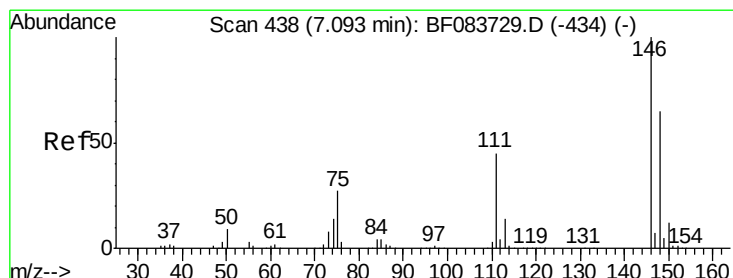
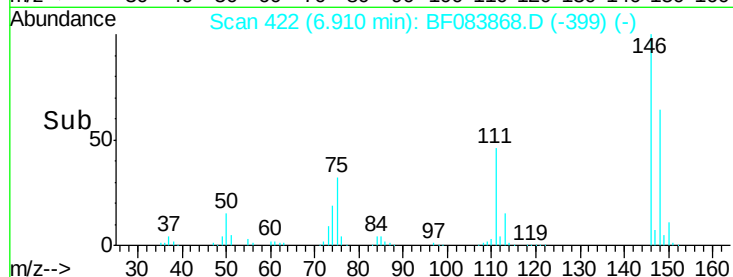
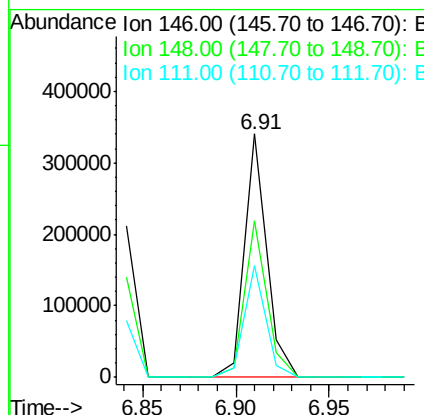
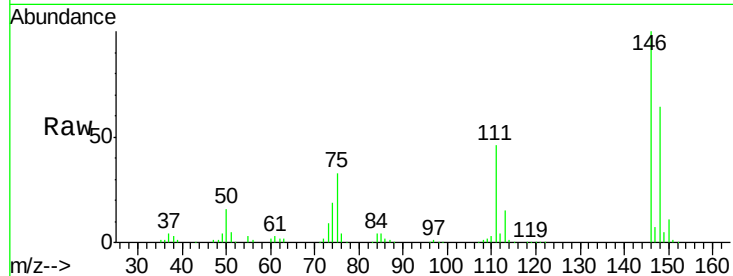
#13
1,4-Dichlorobenzene
Concen: 31.68 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	46.0	36.1	54.1

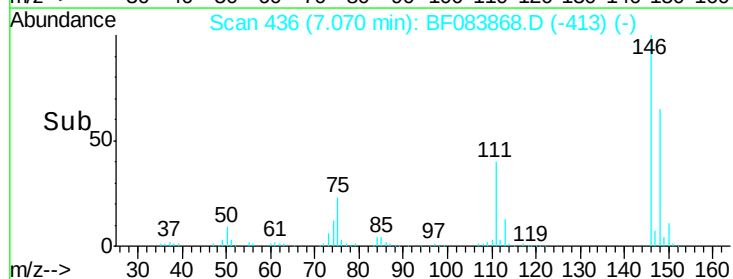
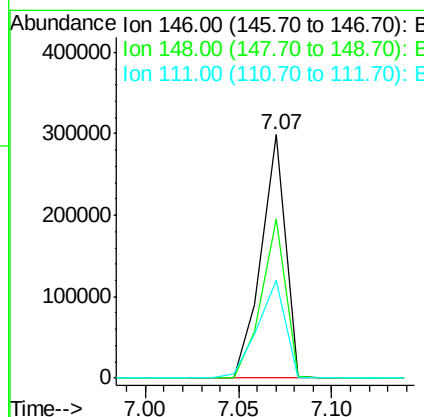
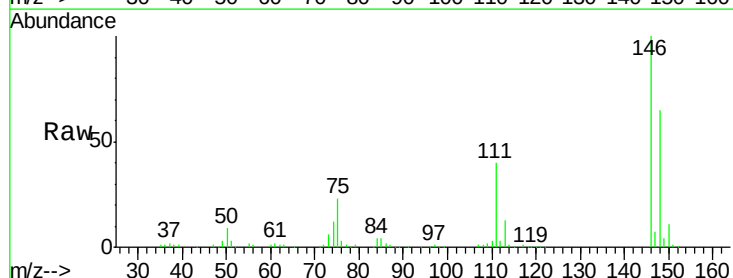
Manual Integrations
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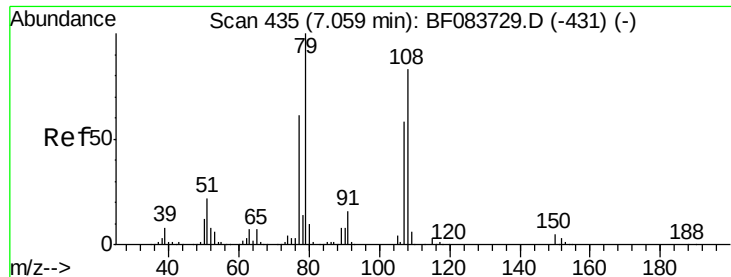
MMdadoda
12/17/2015 5:35:02 PM



#14
1,2-Dichlorobenzene
Concen: 33.31 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.0
111	40.3	36.7	55.1





#15

Benzyl Alcohol

Concen: 32.07 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

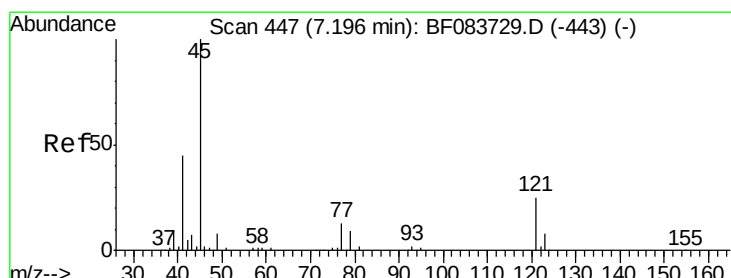
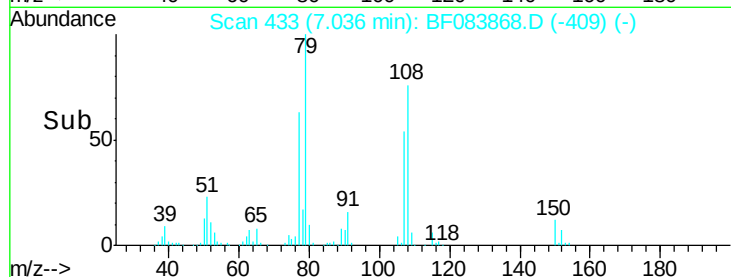
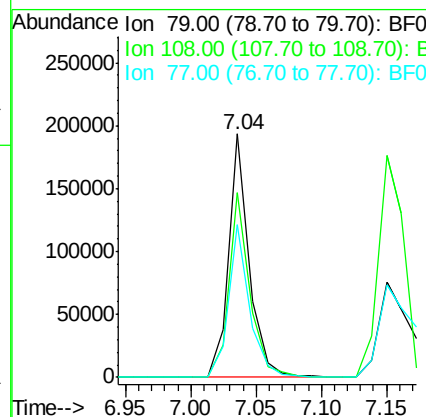
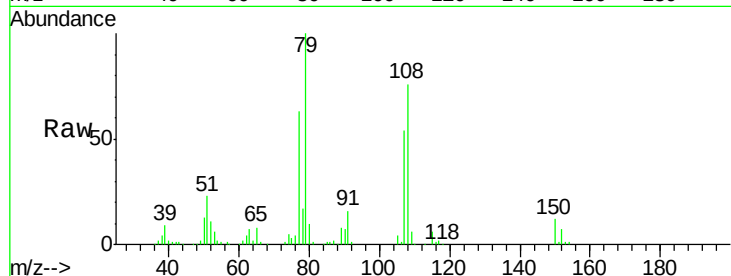
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	79	Resp:	212560
Ion Ratio	Lower	Upper	
79	100		
108	75.8	59.6	89.4
77	62.8	49.8	74.6

Manual Integrations
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MMdadoda
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 26.19 ng

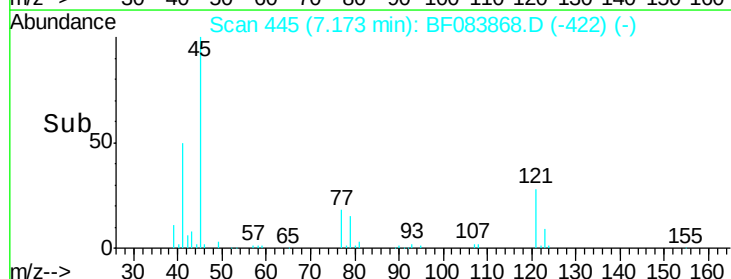
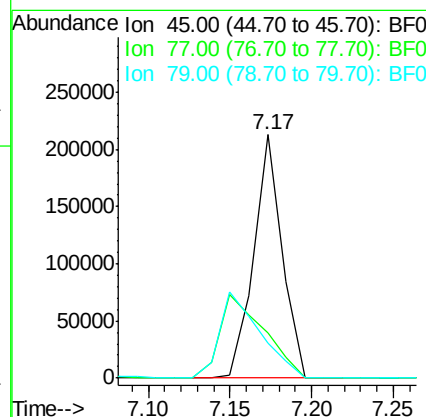
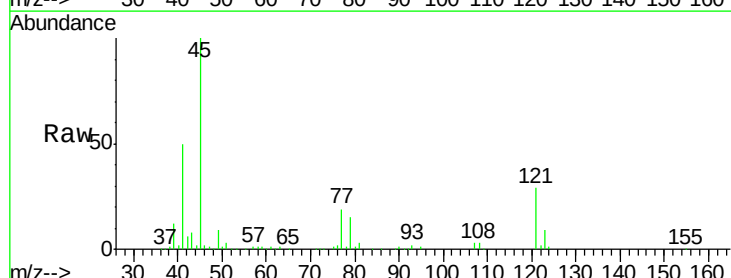
RT: 7.17 min Scan# 445

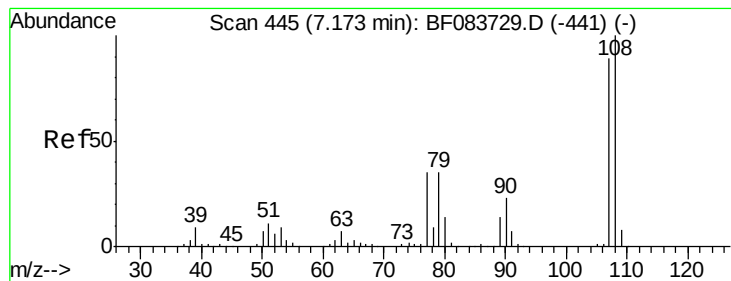
Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	45	Resp:	255755
Ion Ratio	Lower	Upper	
45	100		
77	18.6	12.8	52.8
79	14.6	10.7	50.7





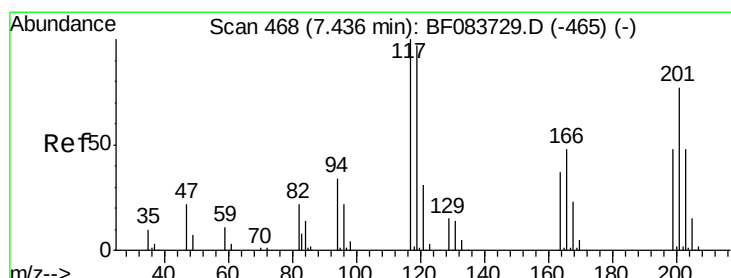
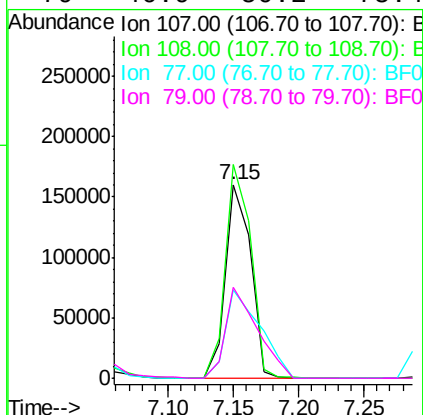
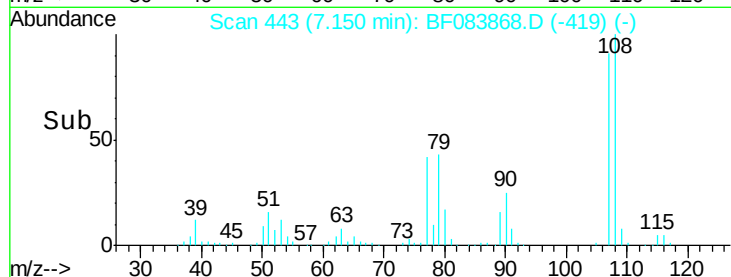
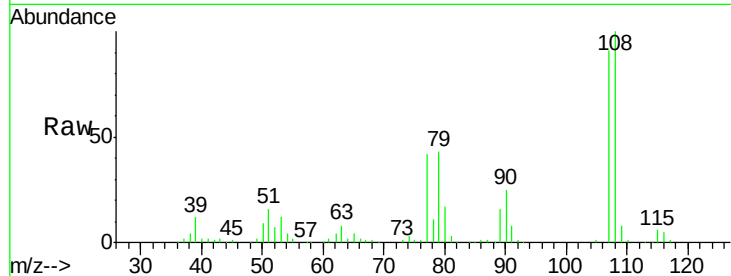
#17
2-Methylphenol
Concen: 32.15 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.3	91.6	137.4	
77	45.9	53.7	80.5	
79	46.9	50.2	75.4	

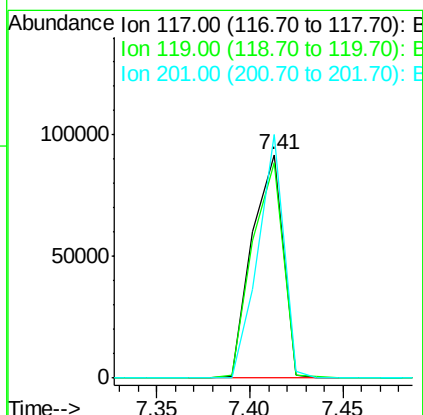
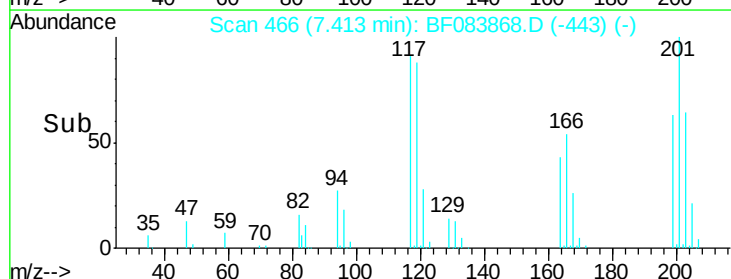
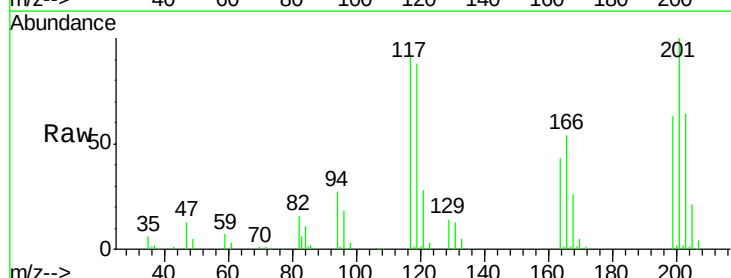
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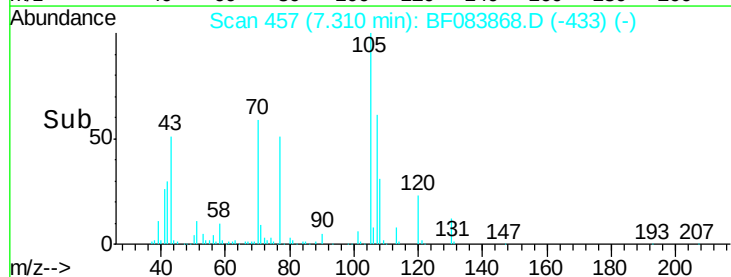
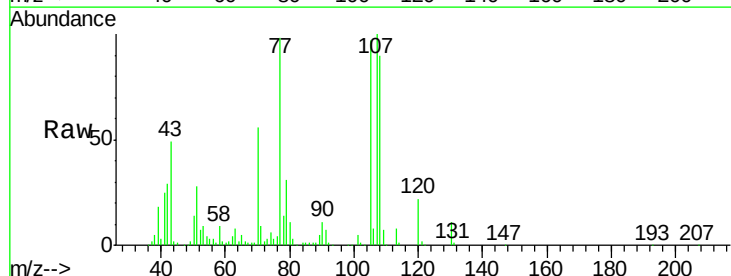
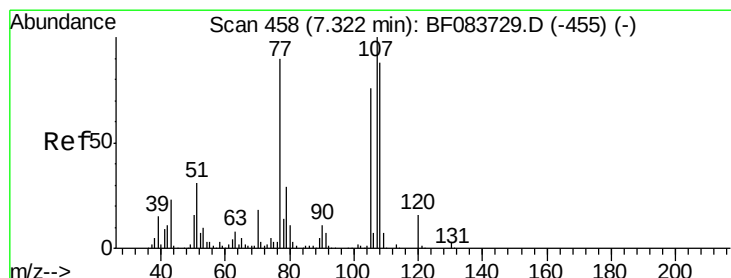
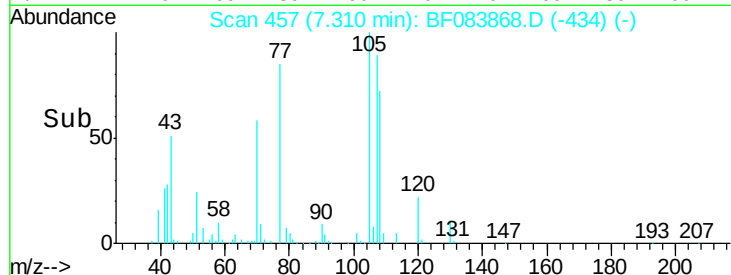
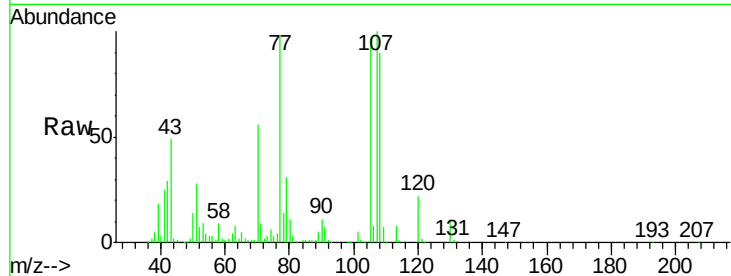
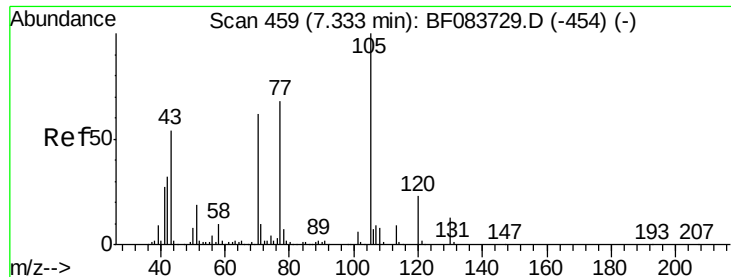
MMdadoda
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#18
Hexachloroethane
Concen: 33.15 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	77.2	115.8	
201	109.0	86.8	130.2	





#19

n-Nitroso-di-n-propylamine

Concen: 29.51 ng

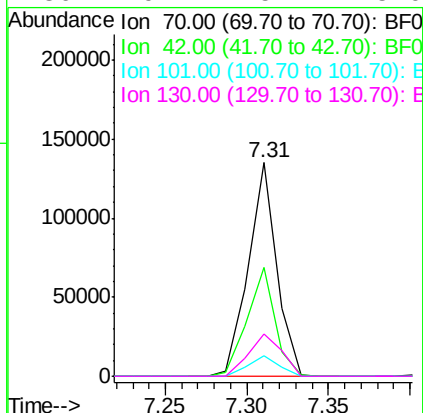
RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		163030		
42	51.1	49.2	73.8		
101	9.5	7.1	10.7		
130	19.7	15.4	23.0		



Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

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#20

3+4-Methylphenols

Concen: 33.94 ng

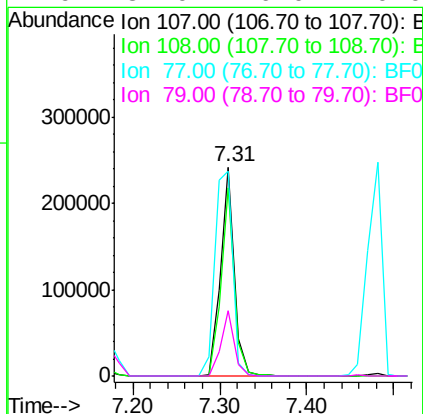
RT: 7.31 min Scan# 457

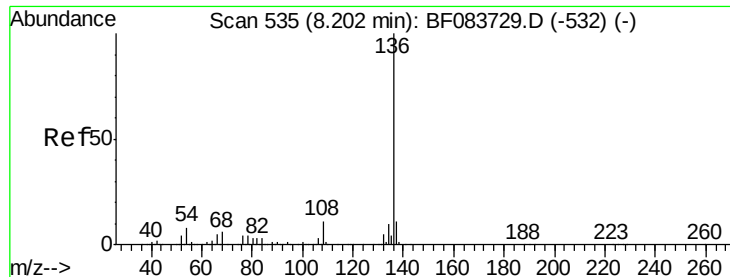
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		269672		
108	89.8	65.2	105.2		
77	97.9	15.2	55.2		
79	31.0	6.0	46.0		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083868.D

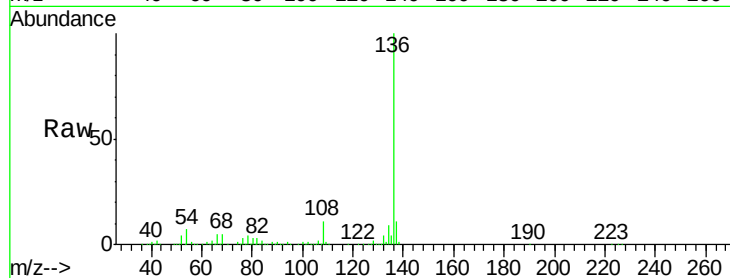
Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

ClientSampleId :

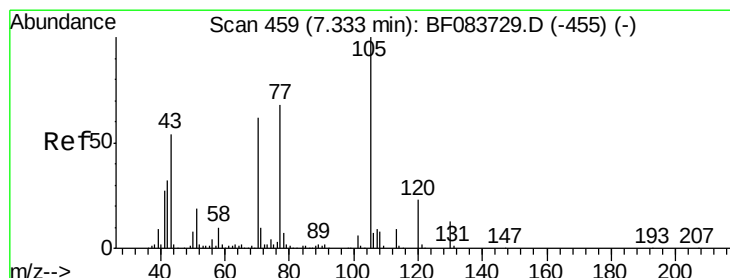
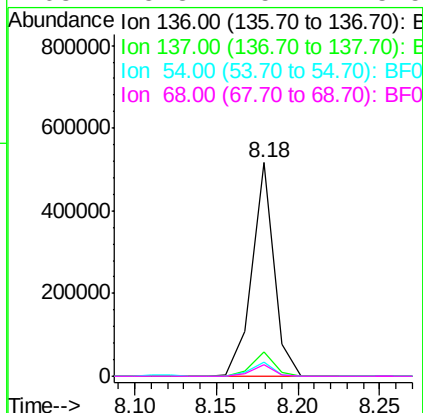
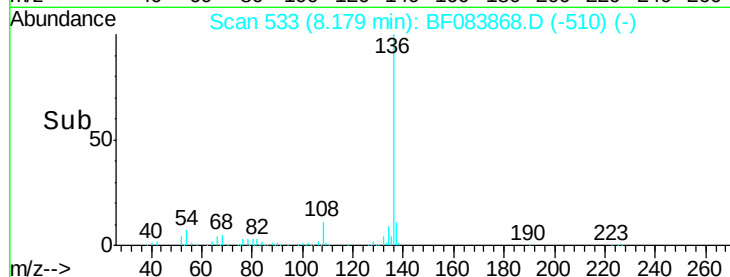
COMPOSITE-A-20150872MS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.3	8.7	13.1		
54	6.6	7.8	11.6		
68	5.3	5.7	8.5		

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#22

Acetophenone

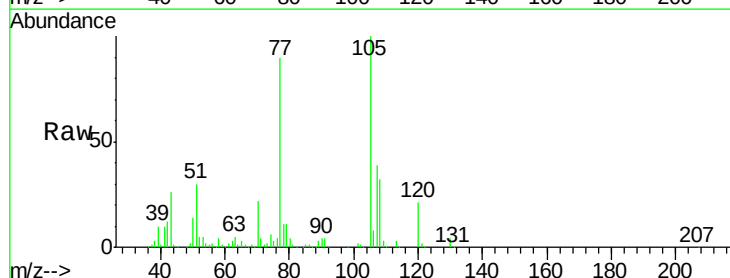
Concen: 29.94 ng

RT: 7.30 min Scan# 456

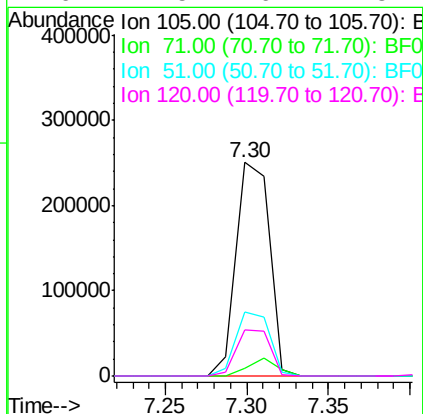
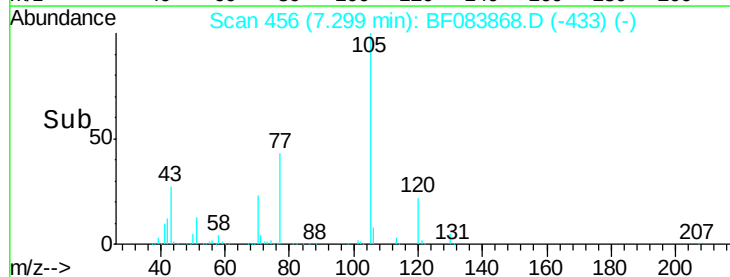
Delta R.T. -0.03 min

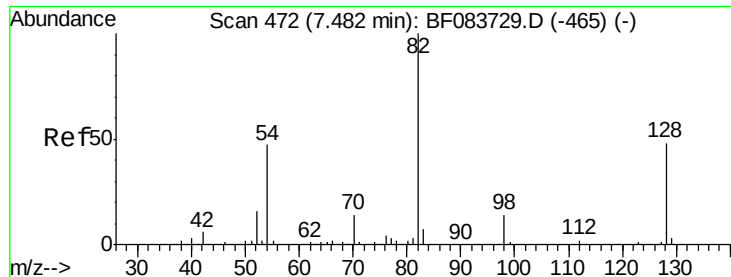
Lab File: BF083868.D

Acq: 17 Dec 2015 5:24



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	3.6	1.3	1.9		
51	30.1	23.8	35.8		
120	21.5	16.7	25.1		





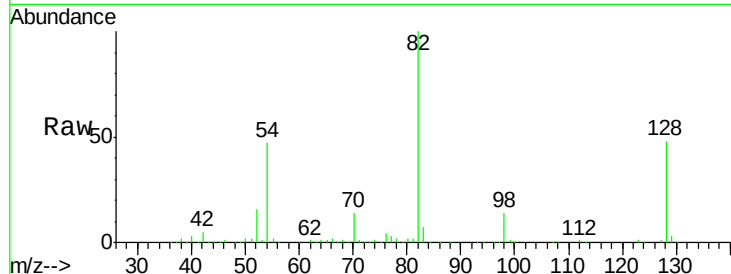
#23
Nitrobenzene-d5
Concen: 61.61 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

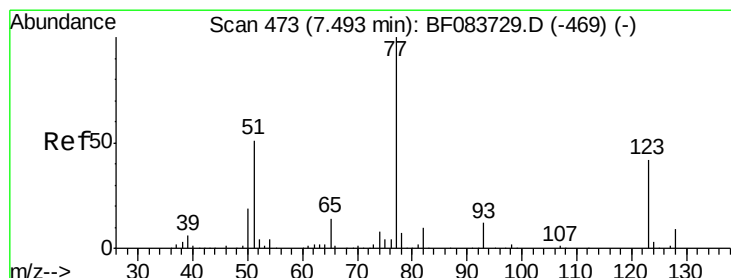
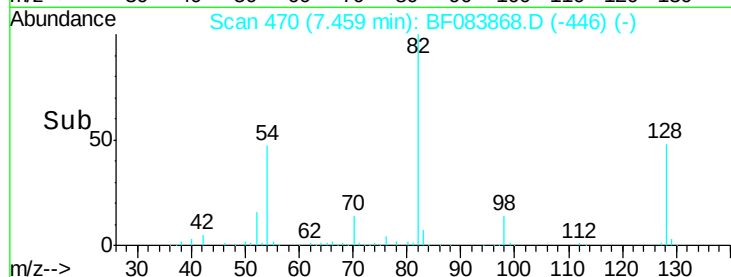
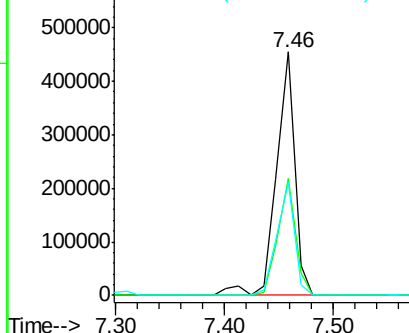
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	30.7	46.1#
54	46.7	42.5	63.7

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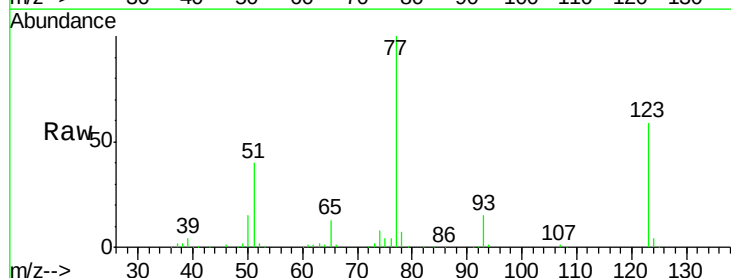


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

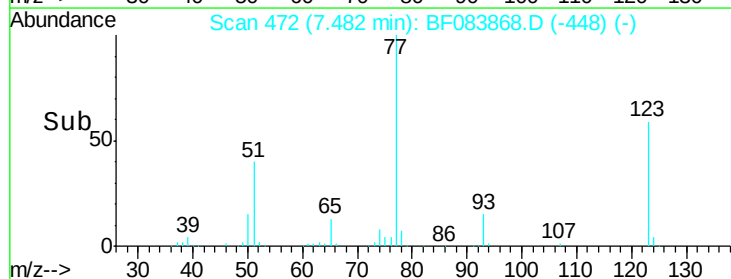
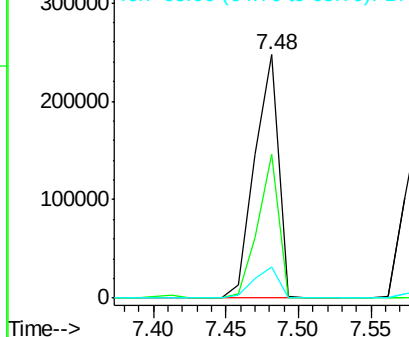


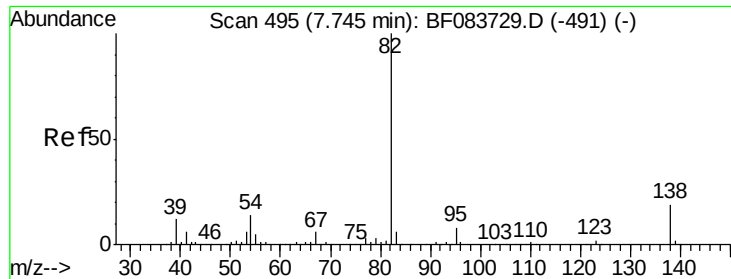
#24
Nitrobenzene
Concen: 31.38 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	59.0	29.8	44.6#
65	12.6	11.1	16.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 30.56 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

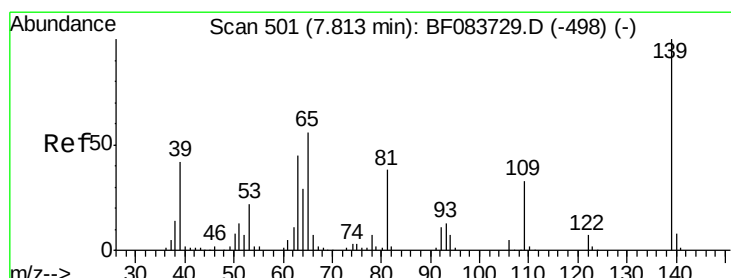
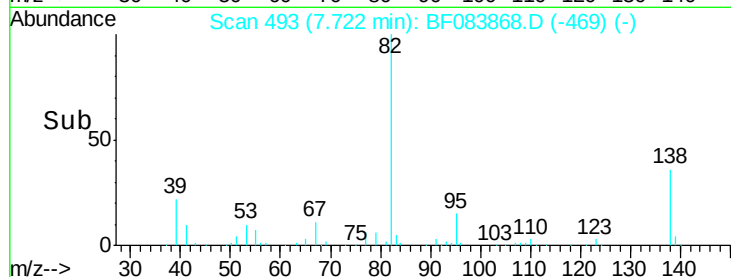
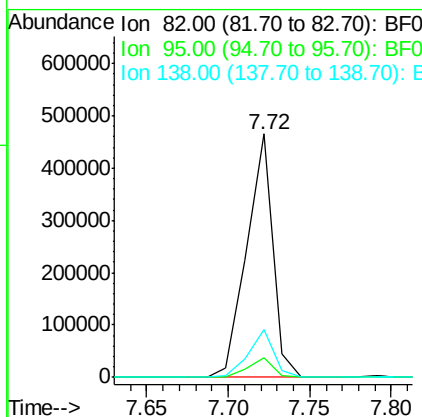
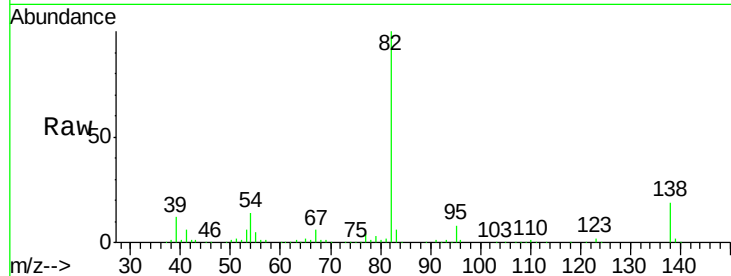
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	82	Resp:	517395
Ion Ratio		Lower	Upper
82	100		
95	7.9	5.0	7.4#
138	19.5	12.1	18.1#

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#26

2-Nitrophenol

Concen: 30.89 ng

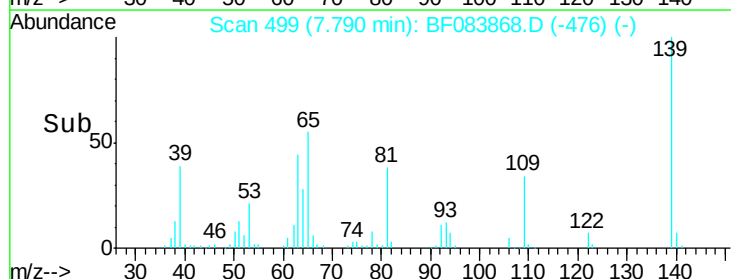
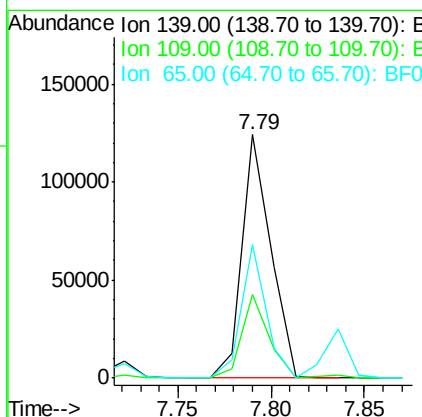
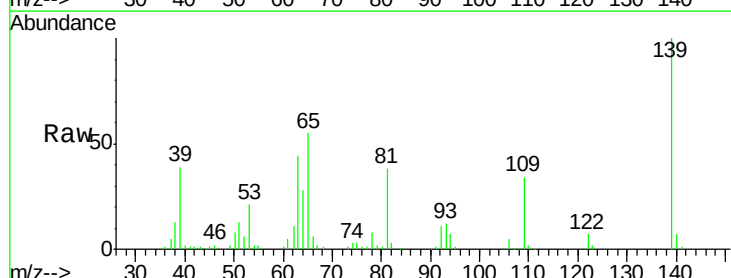
RT: 7.79 min Scan# 499

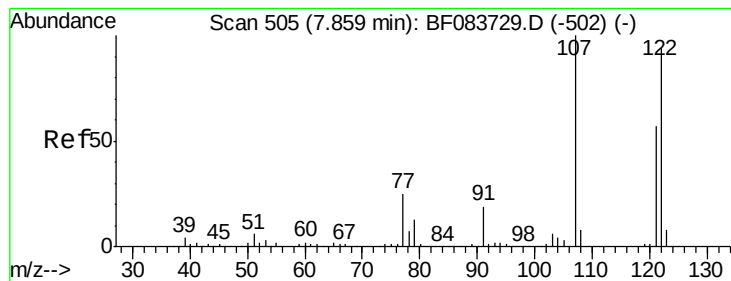
Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	139	Resp:	133262
Ion Ratio		Lower	Upper
139	100		
109	34.2	22.7	34.1#
65	54.9	51.8	77.8





#27

2,4-Dimethylphenol

Concen: 28.99 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF083868.D

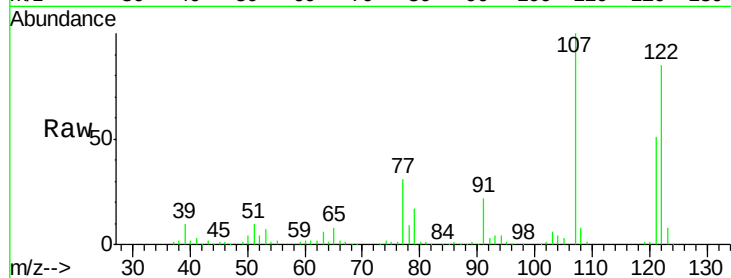
Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

ClientSampleId :

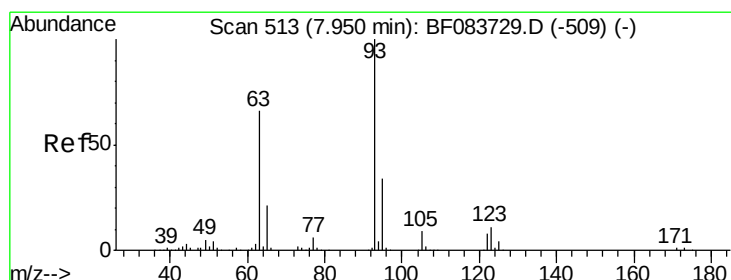
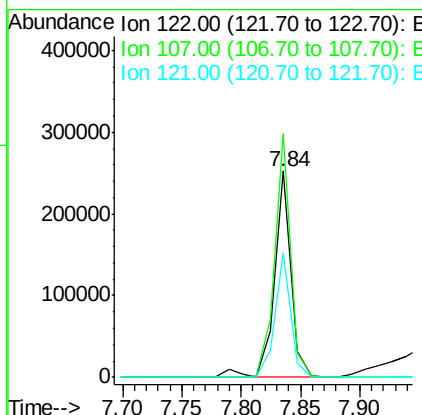
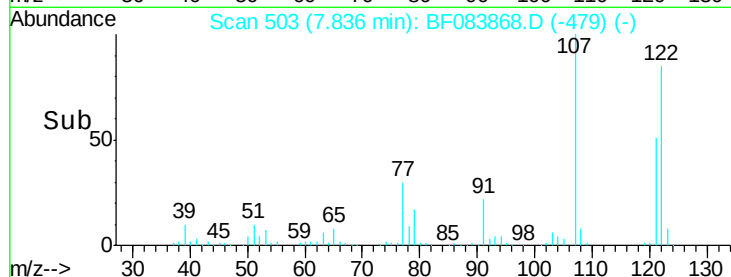
COMPOSITE-A-20150872MS



Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	118.1	92.4	138.6	
121	60.1	45.8	68.6	

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#28

bis(2-Chloroethoxy)methane

Concen: 30.51 ng

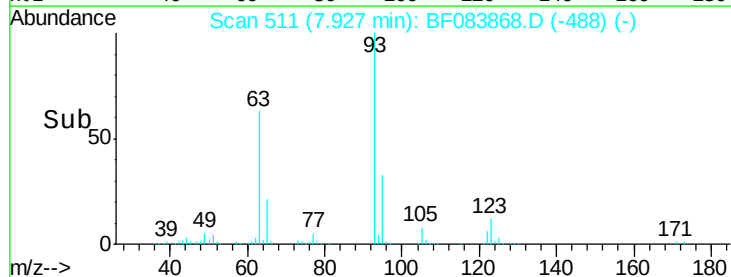
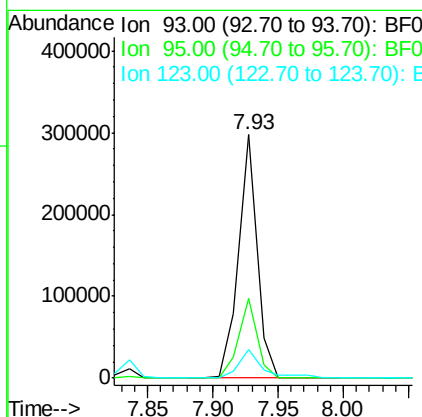
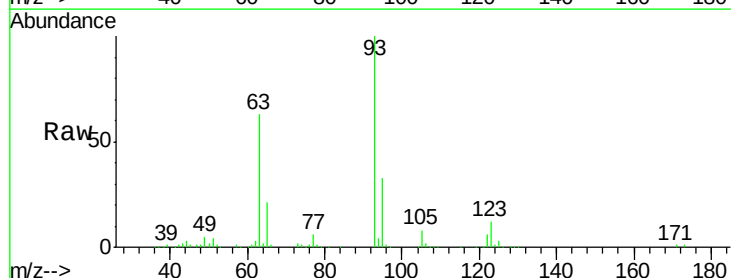
RT: 7.93 min Scan# 511

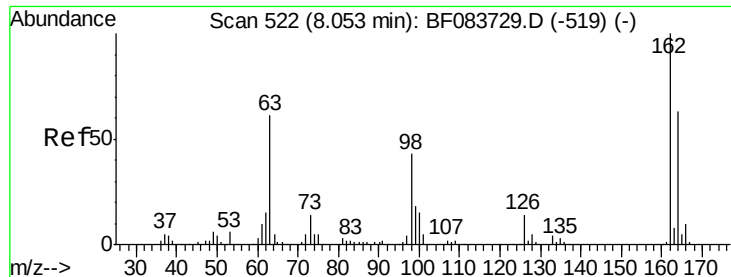
Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.6	25.6	38.4	
123	11.6	7.3	10.9	





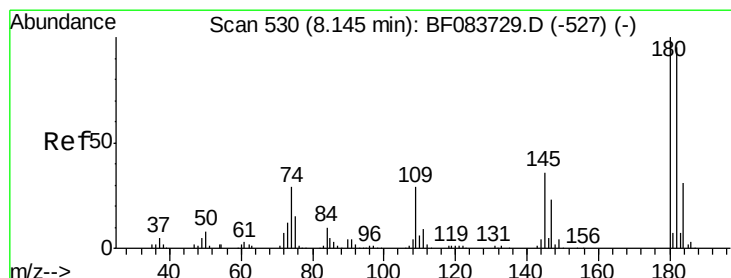
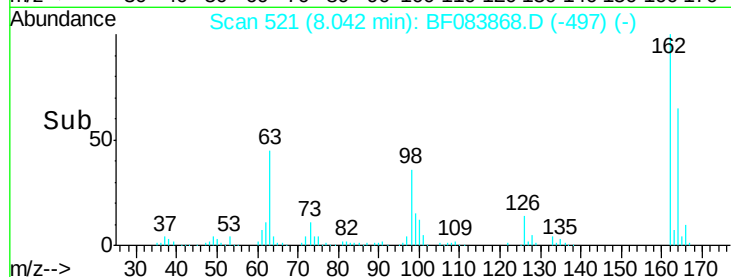
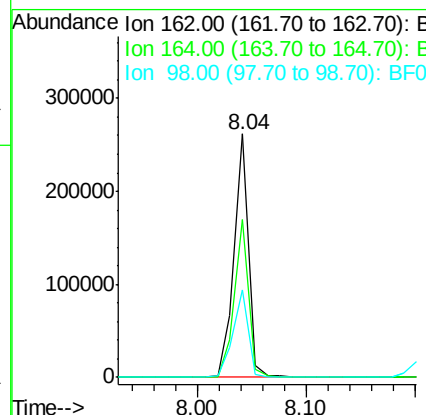
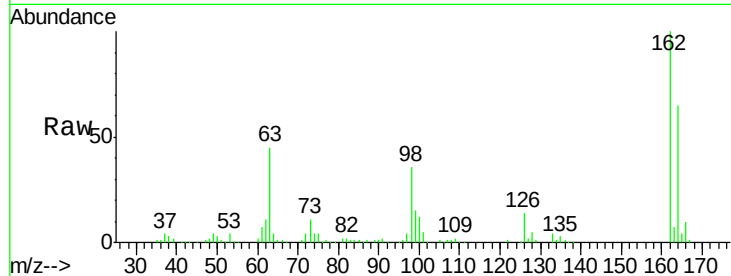
#29
 2,4-Dichlorophenol
 Concen: 34.34 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.0	43.4	83.4
98	36.1	17.5	57.5

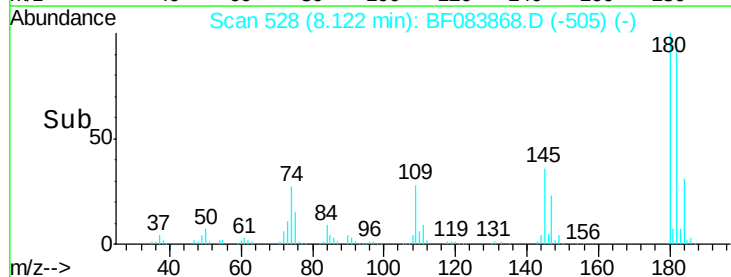
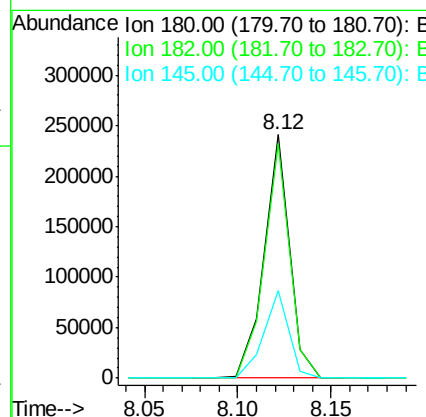
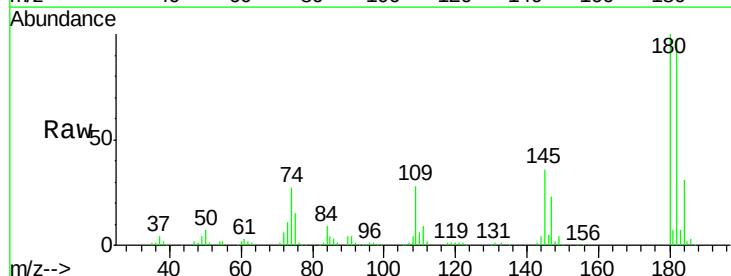
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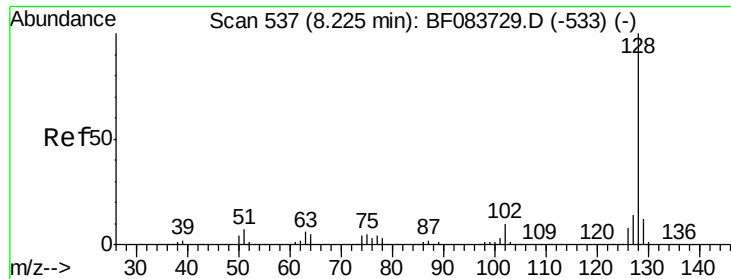
MMdadoda
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#30
 1,2,4-Trichlorobenzene
 Concen: 31.28 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.03 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.5	74.9	112.3
145	35.7	24.7	37.1





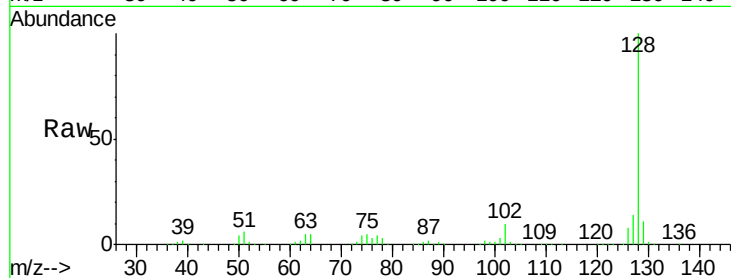
#31
Naphthalene
Concen: 39.23 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

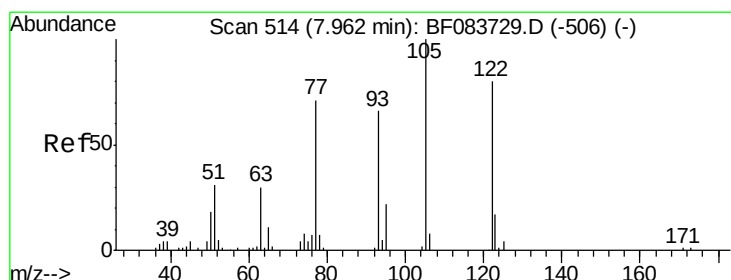
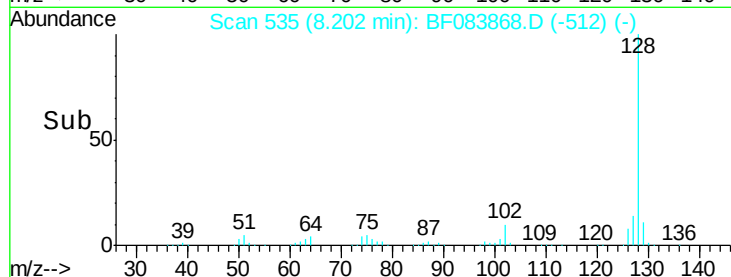
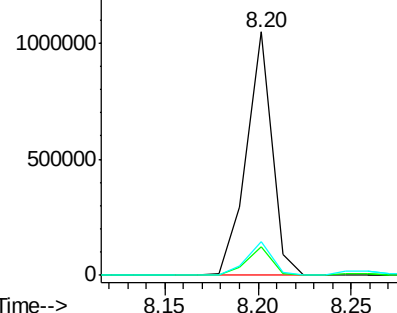
Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.5	8.6	13.0
127	14.1	10.6	16.0

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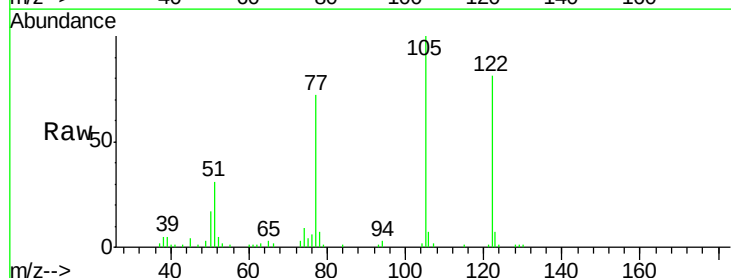


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

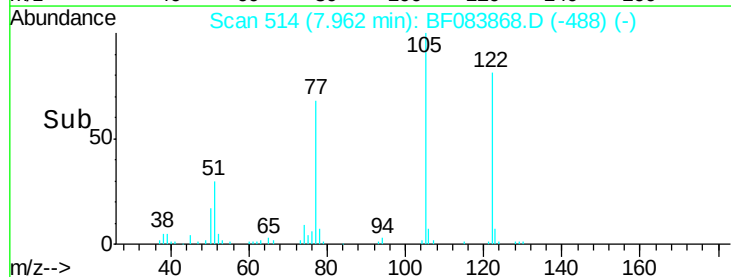
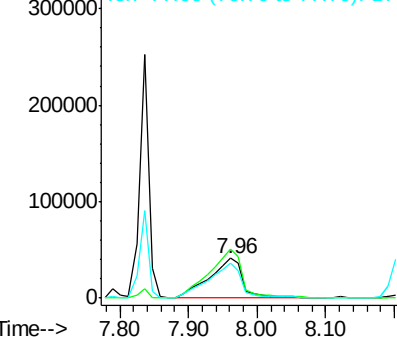


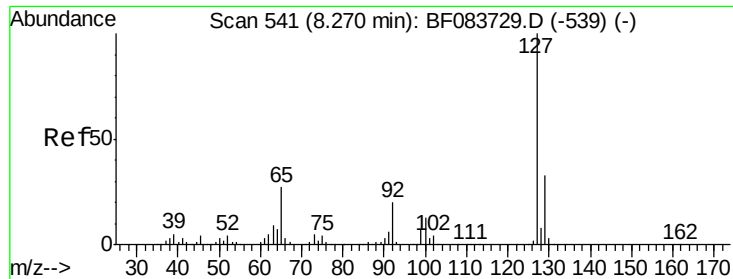
#32
Benzoic acid
Concen: 26.09 ng
RT: 7.96 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	123.1	105.6	145.6
77	88.1	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





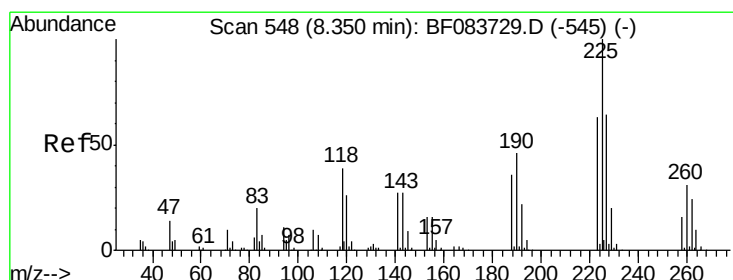
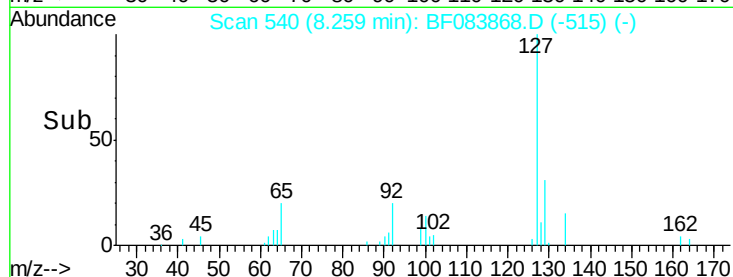
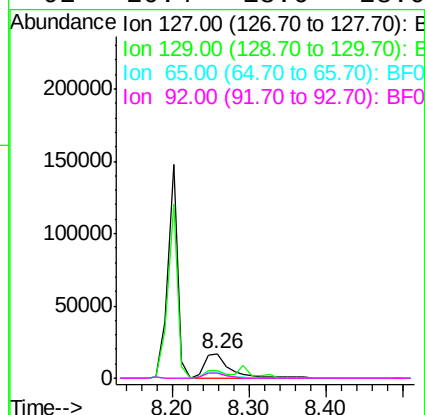
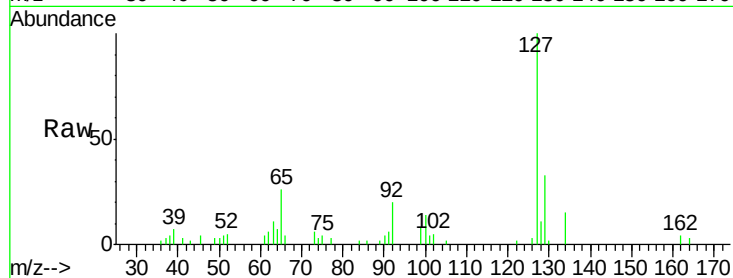
#33
4-Chloroaniline
Concen: 3.89 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		40023		
129	33.4	26.1	39.1		
65	26.0	33.5	50.3		
92	20.4	18.6	28.0		

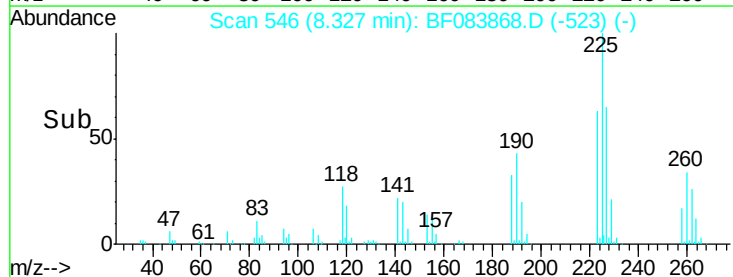
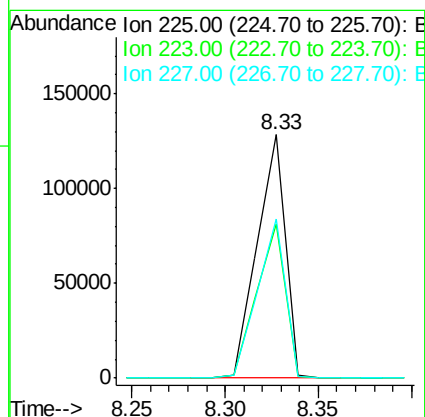
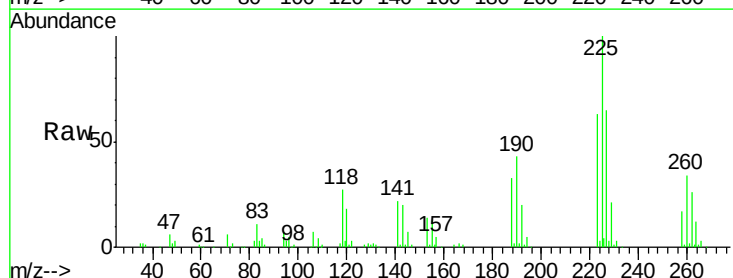
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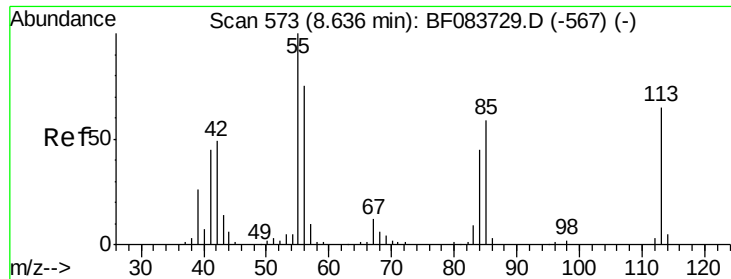
MMdadoda
12/17/2015 5:35:02 PM



#34
Hexachlorobutadiene
Concen: 33.73 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		133603		
223	63.0	52.3	78.5		
227	65.2	50.4	75.6		





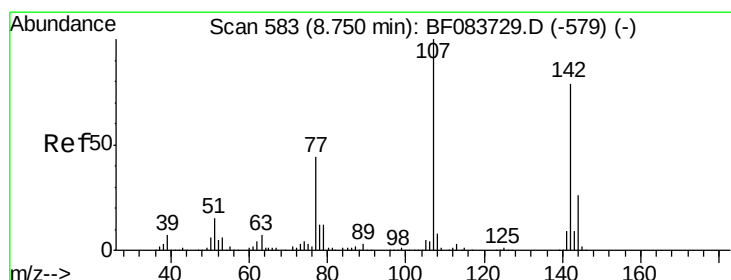
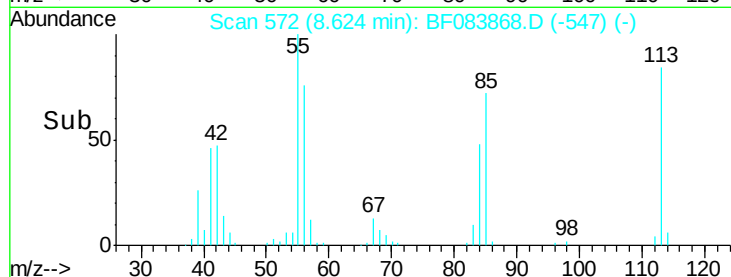
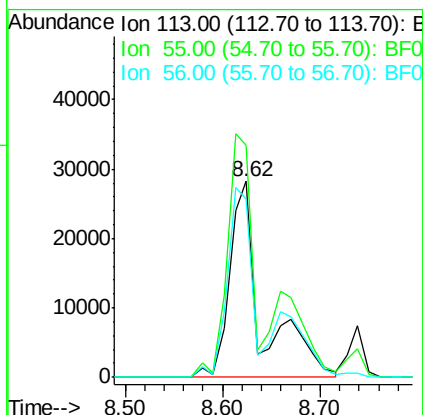
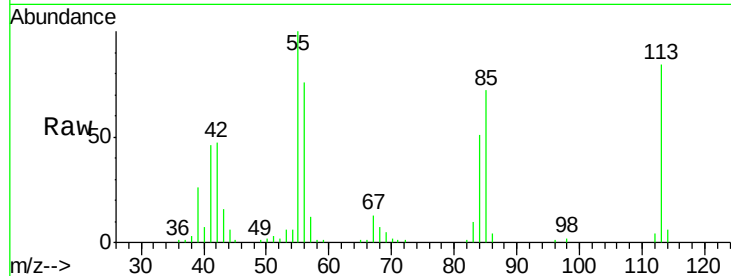
#35
 Caprolactam
 Concen: 29.29 ng/ml
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	118.9	189.7	229.7#
56	91.0	130.7	170.7#

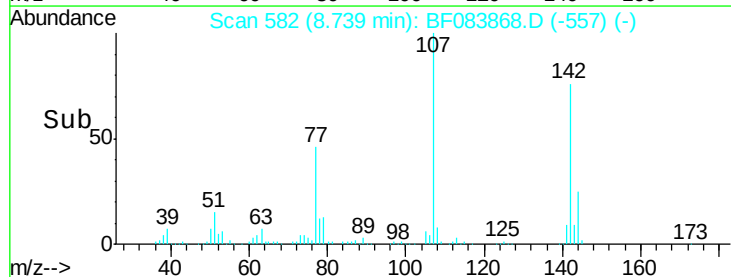
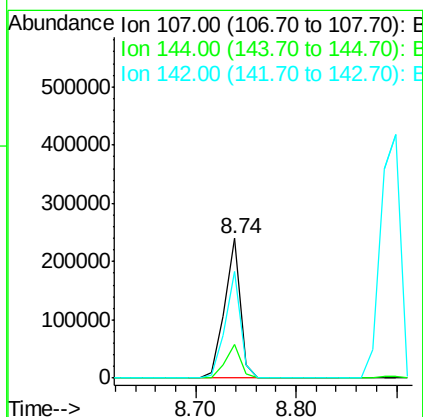
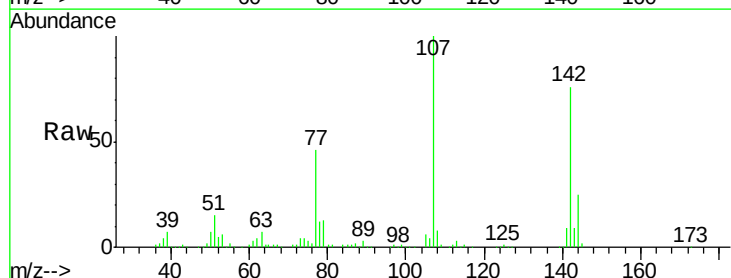
Manual Integrations
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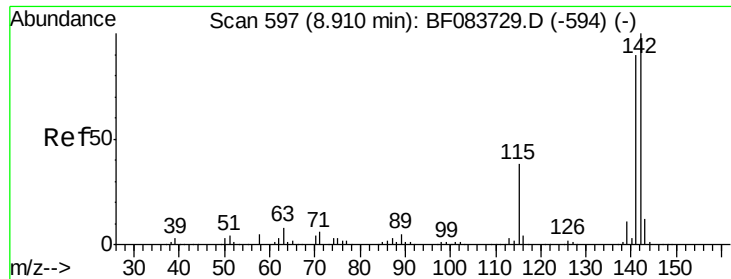
MMdadoda
 12/17/2015 5:35:02 PM



#36
 4-Chloro-3-methylphenol
 Concen: 32.14 ng/ml
 RT: 8.74 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	17.5	26.3
142	76.1	53.6	80.4





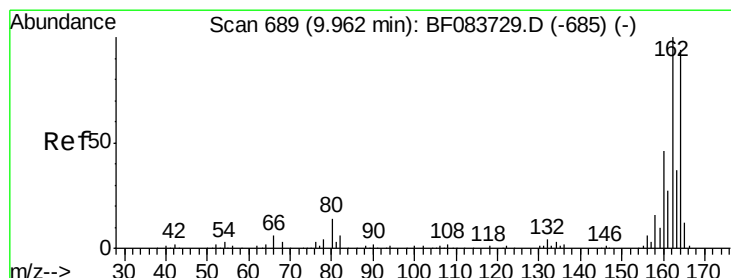
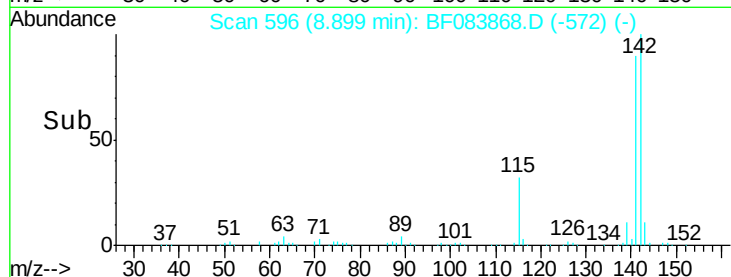
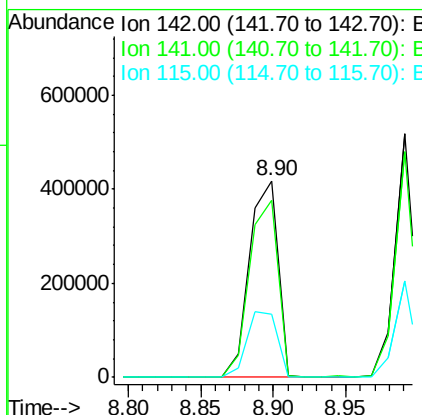
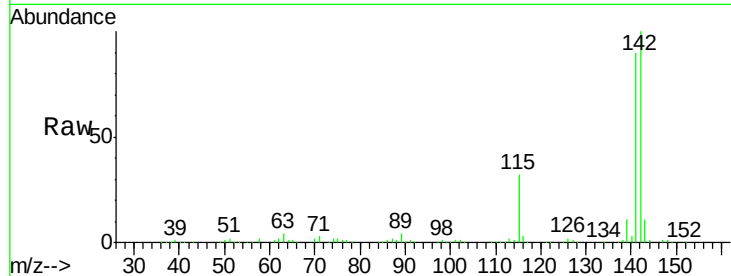
#37
2-Methylnaphthalene
Concen: 36.10 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.3	105.5
115	32.3	29.2	43.8

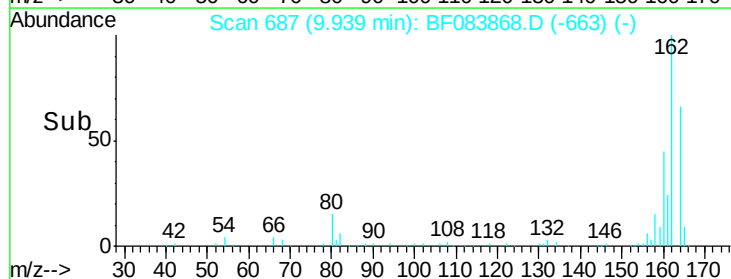
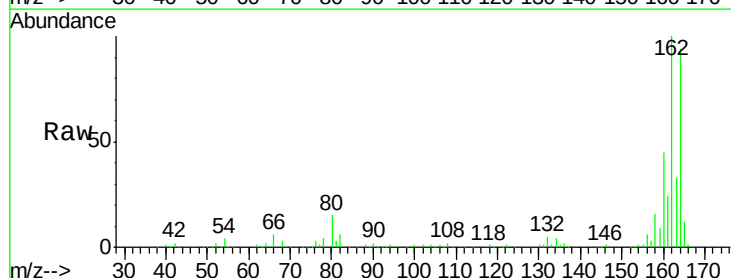
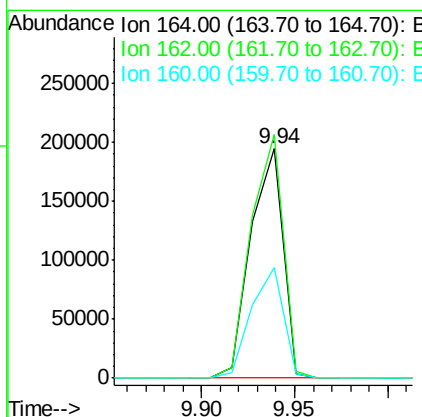
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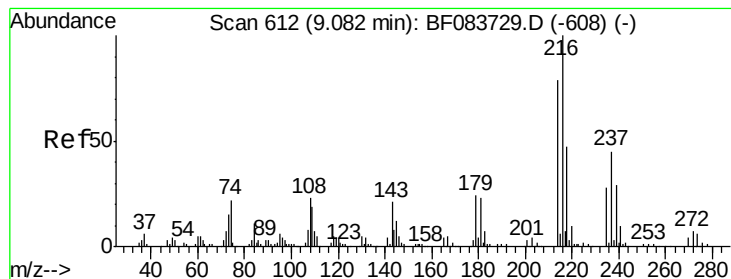
MMdadoda
12/17/2015 5:35:02 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	78.8	118.2
160	48.1	33.4	50.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 29.92 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

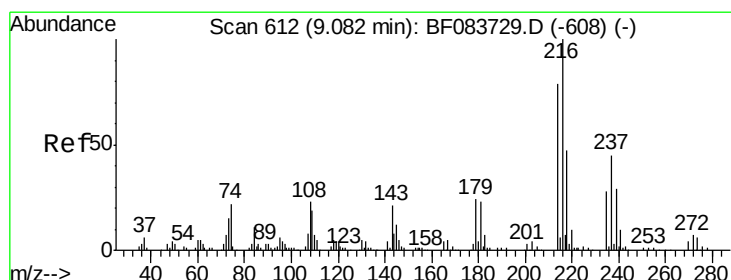
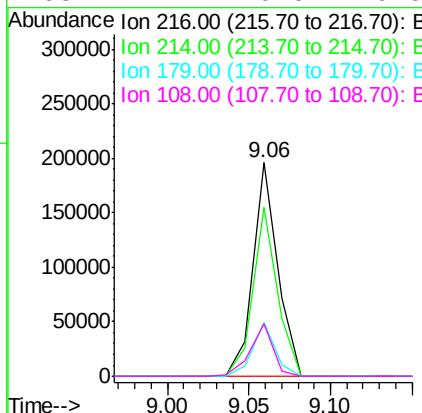
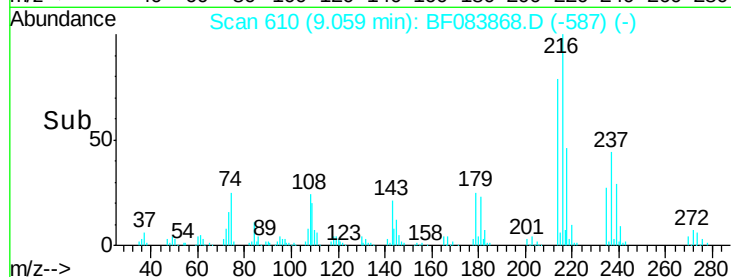
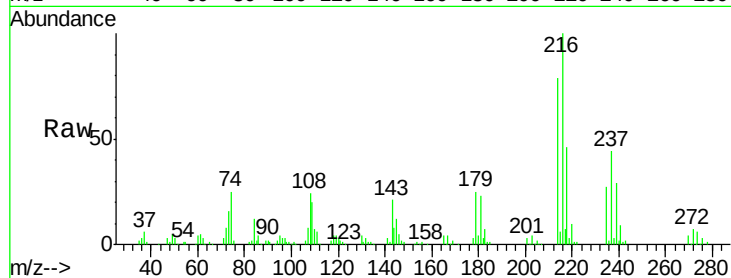
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		205944		
214	78.2	0.0	0.0#		
179	23.3	0.0	0.0#		
108	22.7	0.0	0.0#		

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 40.68 ng

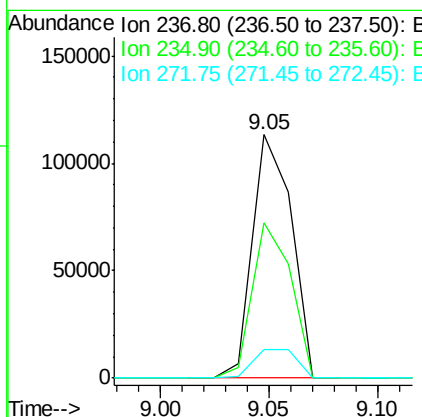
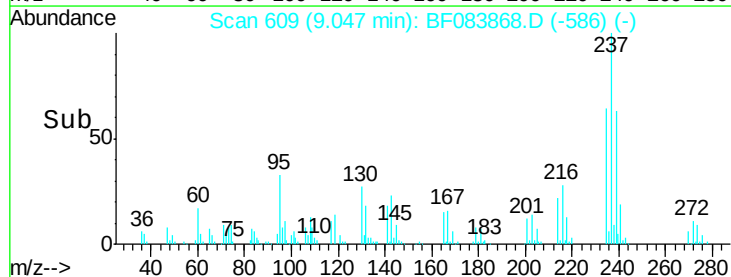
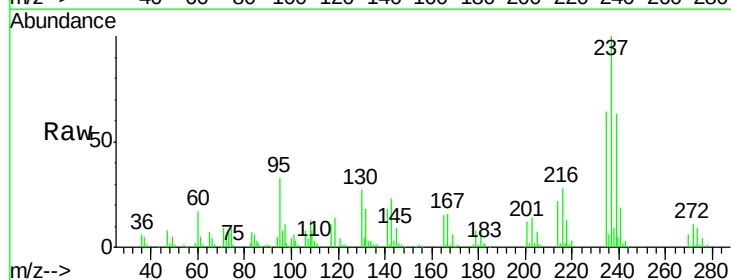
RT: 9.05 min Scan# 609

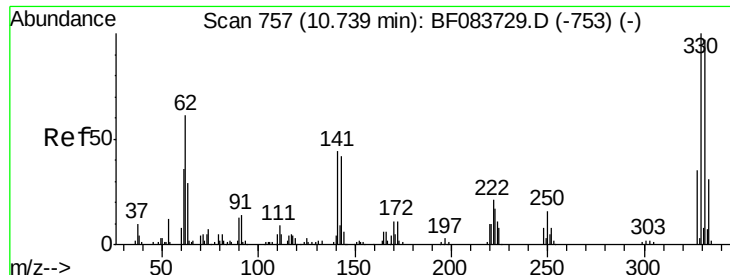
Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		141876		
235	63.6	43.9	83.9		
272	11.5	0.0	31.8		





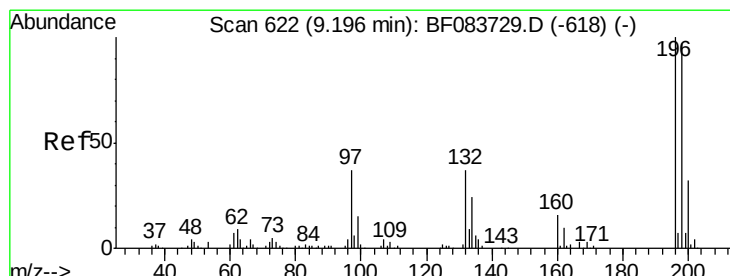
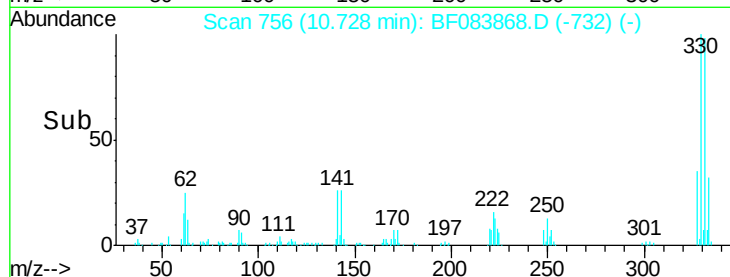
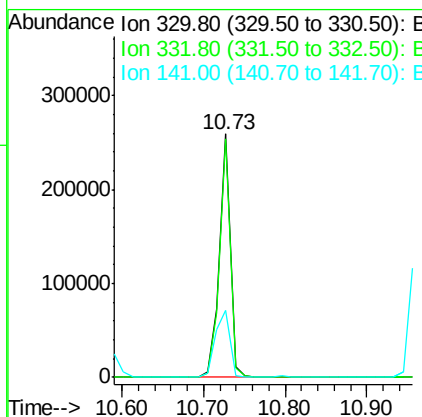
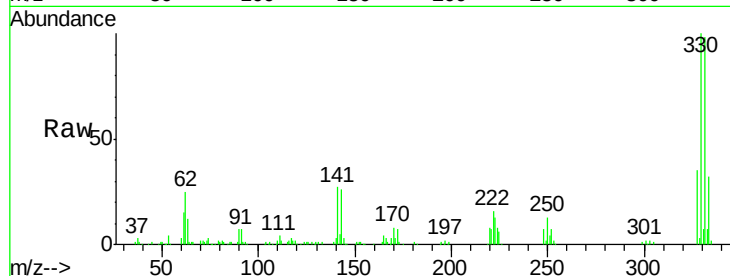
#41
 2,4,6-Tribromophenol
 Concen: 102.54 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	36.5	0.0	0.0#

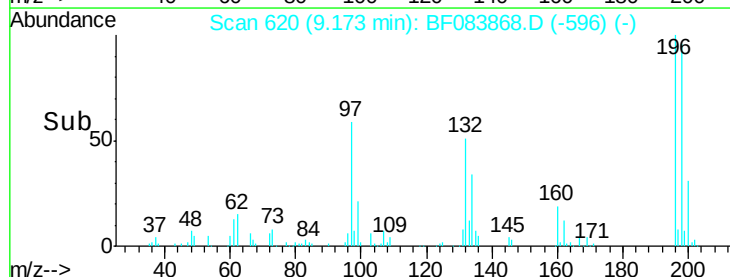
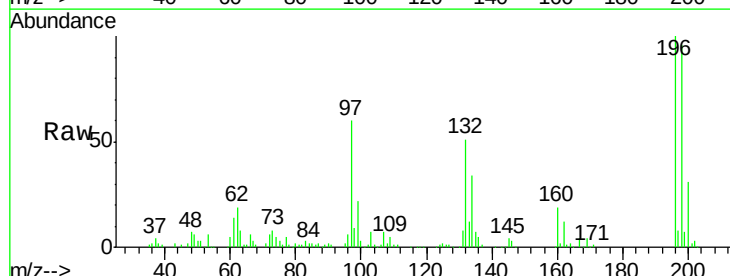
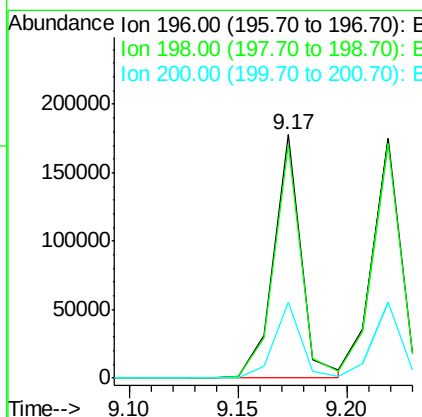
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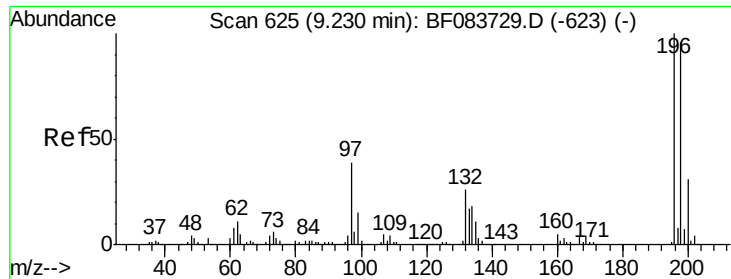
MMdadoda
 12/17/2015 5:35:02 PM



#42
 2,4,6-Trichlorophenol
 Concen: 31.22 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	96.1	75.2	112.8
200	31.0	23.0	34.6





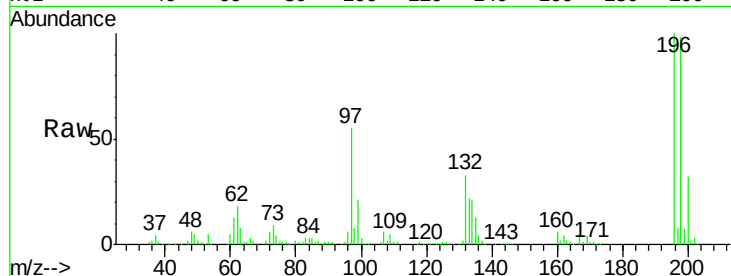
#43
 2,4,5-Trichlorophenol
 Concen: 33.72 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

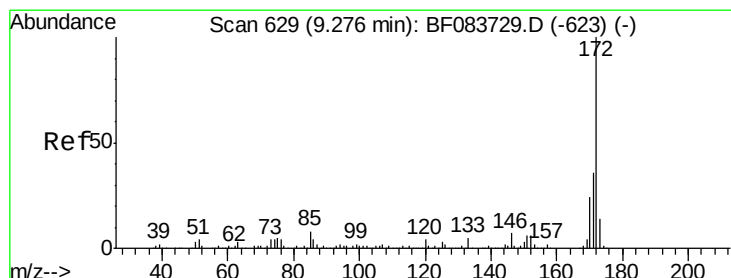
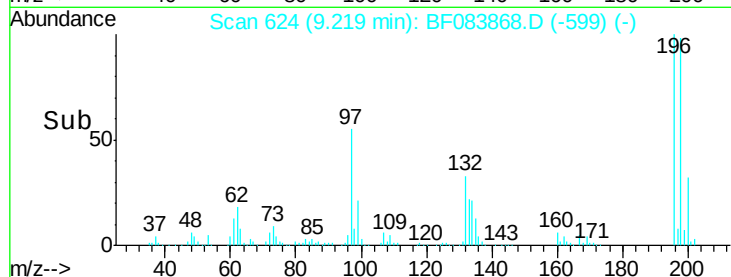
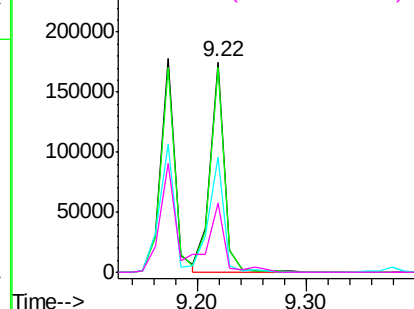
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		161154		
198	97.8	77.7	116.5		
97	54.7	41.2	61.8		
132	32.7	21.8	32.8		

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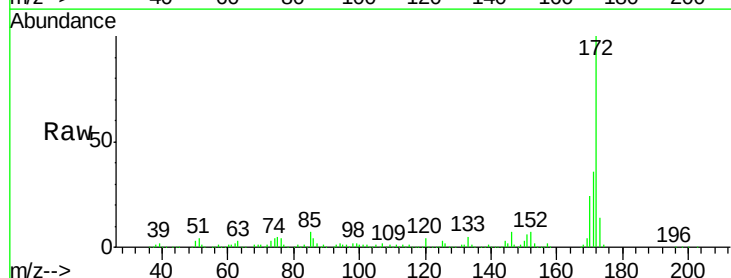


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

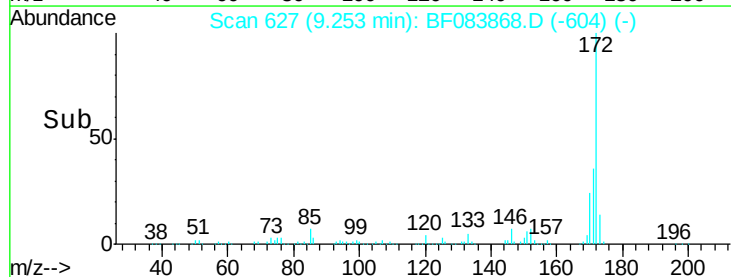
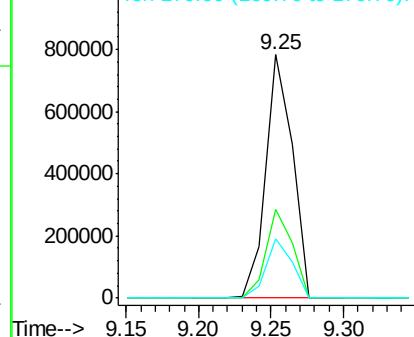


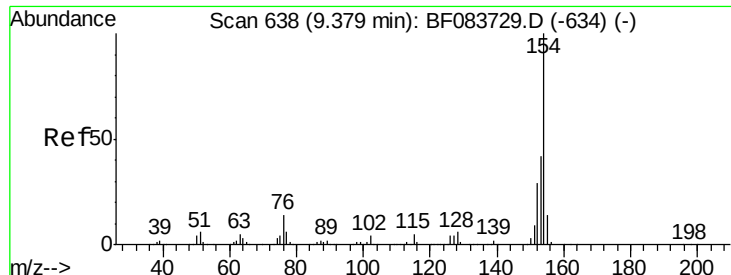
#44
 2-Fluorobiphenyl
 Concen: 56.89 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.03 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		996030		
171	36.4	28.6	42.8		
170	24.1	19.4	29.0		



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





#45

1,1'-Biphenyl

Concen: 30.16 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

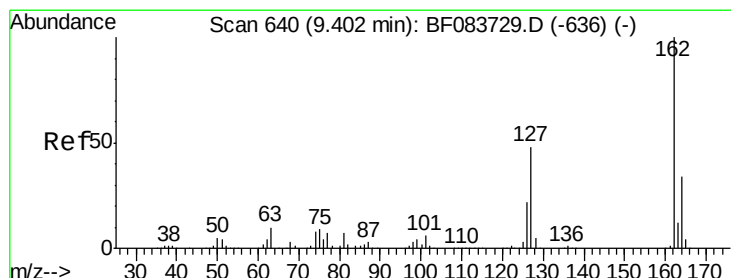
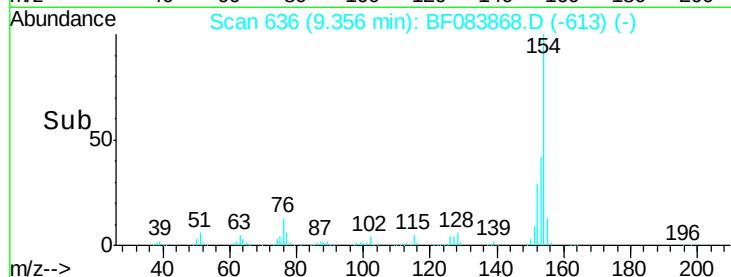
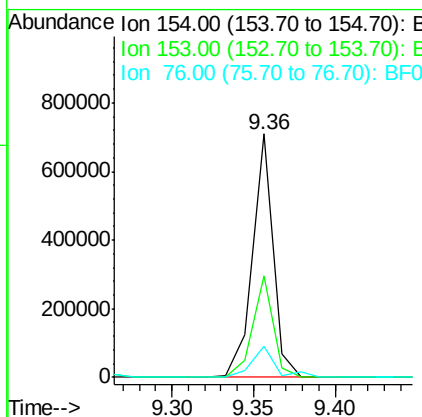
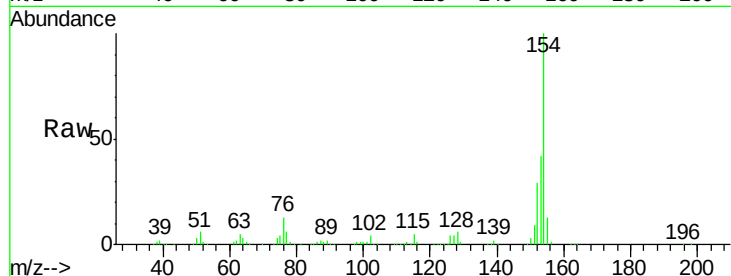
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	154	Resp:	623722
Ion Ratio	Lower	Upper	
154	100		
153	41.9	20.2	60.2
76	12.7	0.0	34.8

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#46

2-Chloronaphthalene

Concen: 29.90 ng

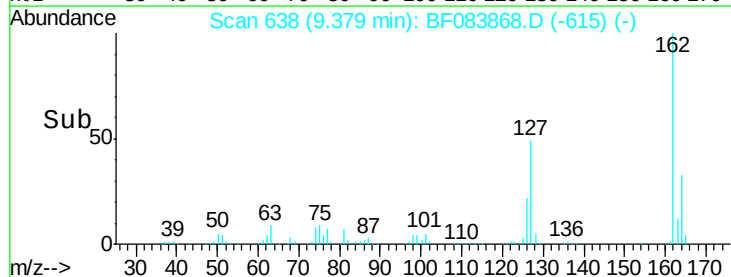
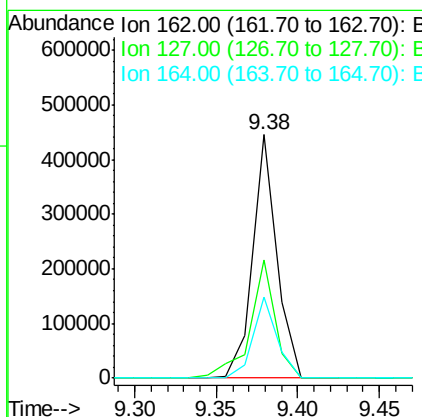
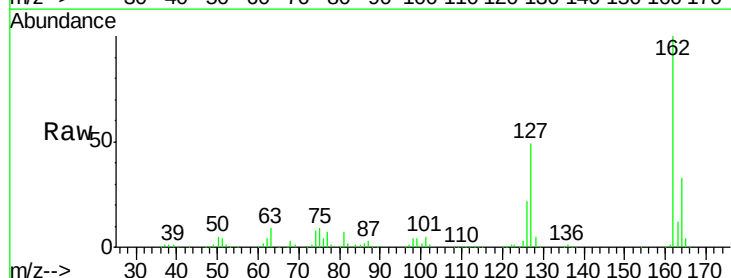
RT: 9.38 min Scan# 638

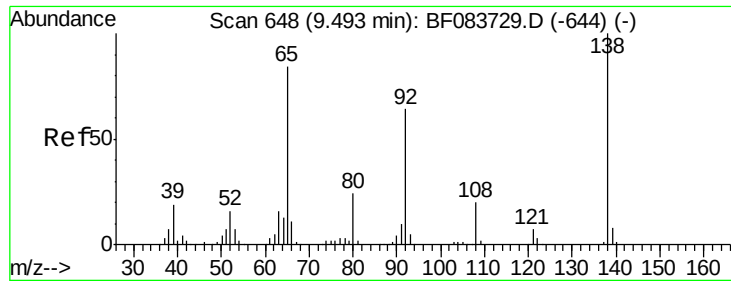
Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	162	Resp:	456445
Ion Ratio	Lower	Upper	
162	100		
127	48.7	31.0	46.4#
164	33.3	27.4	41.0





#47

2-Nitroaniline

Concen: 30.01 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

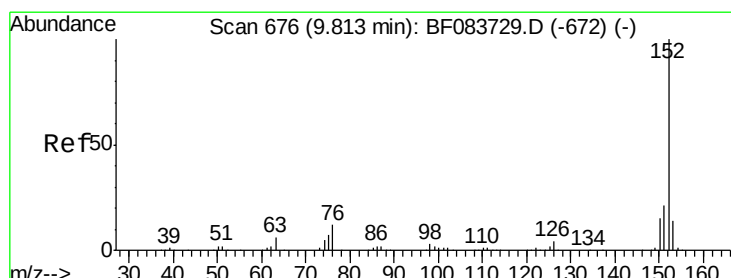
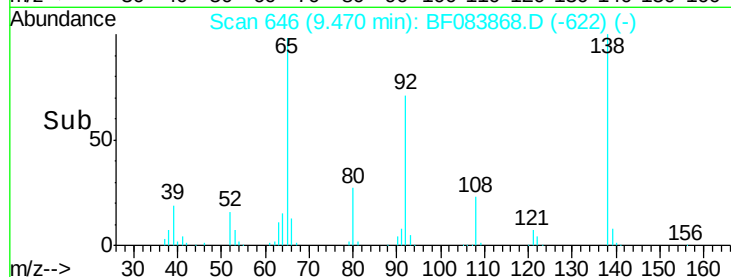
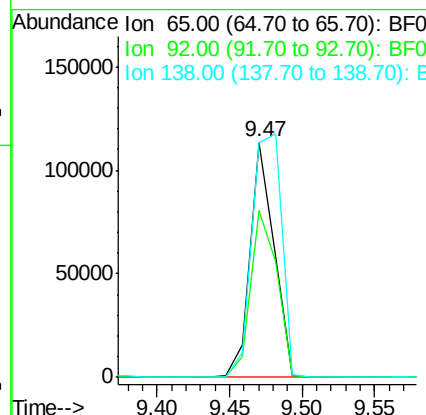
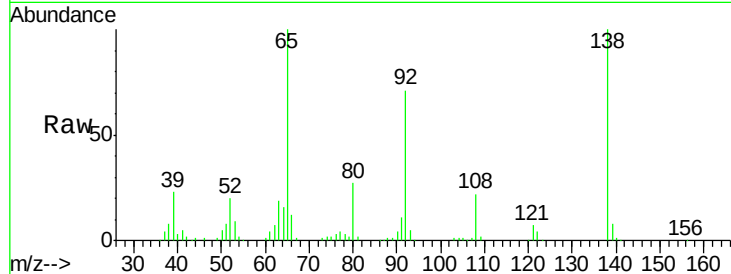
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	65	Resp:	129921
Ion Ratio	Lower	Upper	
65	100		
92	71.1	49.6	74.4
138	99.5	64.1	96.1

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#48

Acenaphthylene

Concen: 31.90 ng

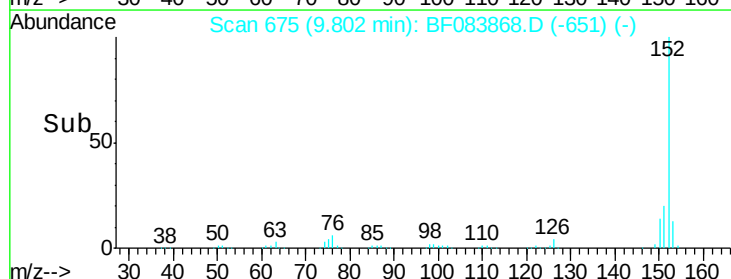
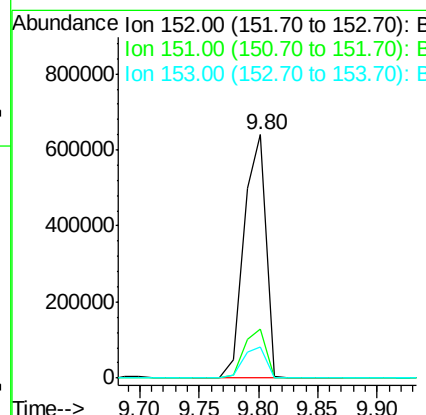
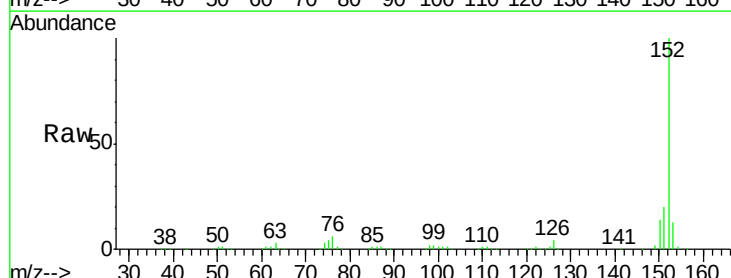
RT: 9.80 min Scan# 675

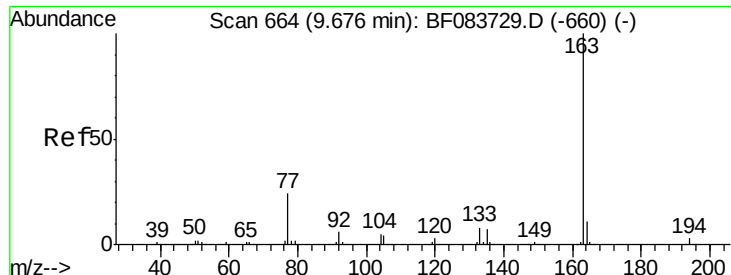
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	152	Resp:	819302
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	12.9	10.8	16.2





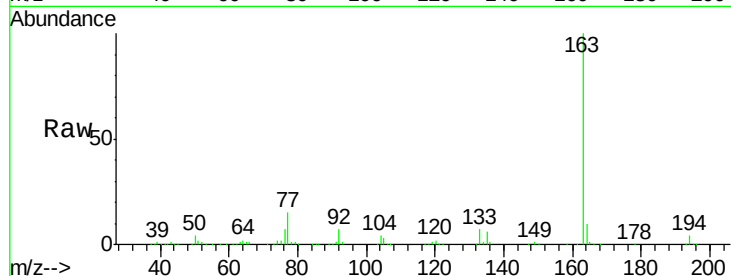
#49
Dimethylphthalate
Concen: 35.57 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

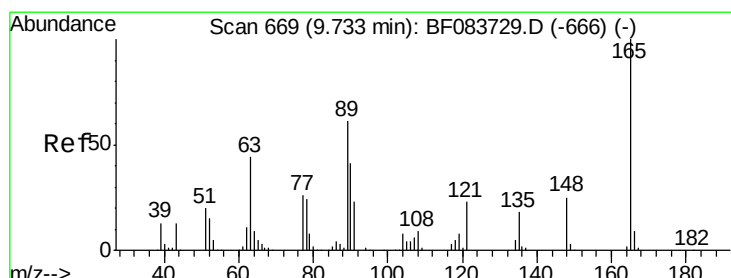
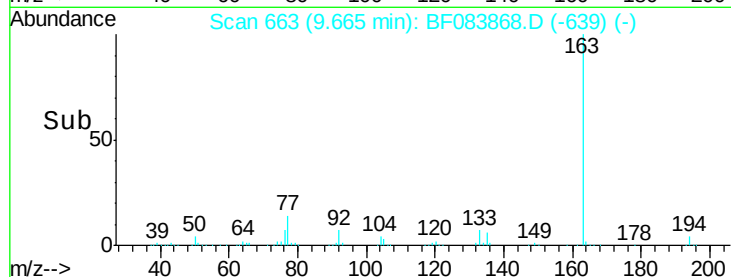
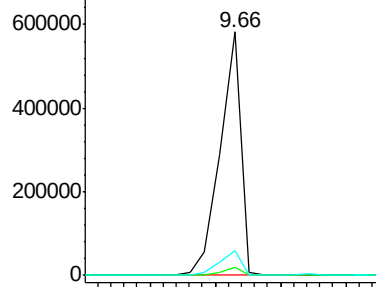
Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.8	4.2
164	9.9	8.6	13.0

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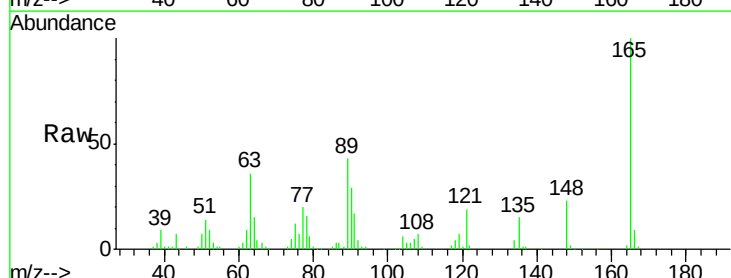


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

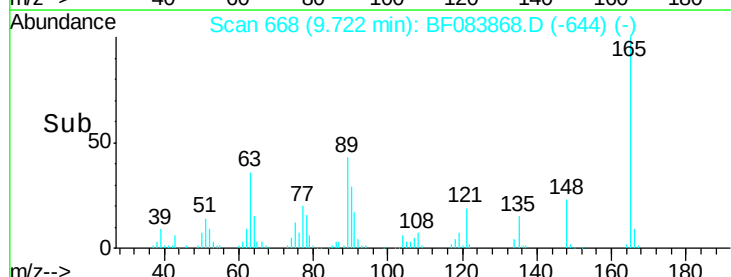
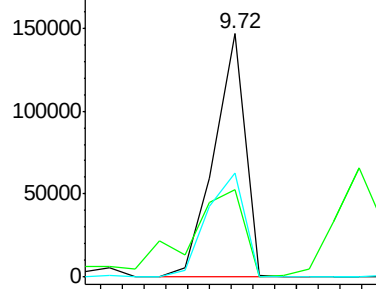


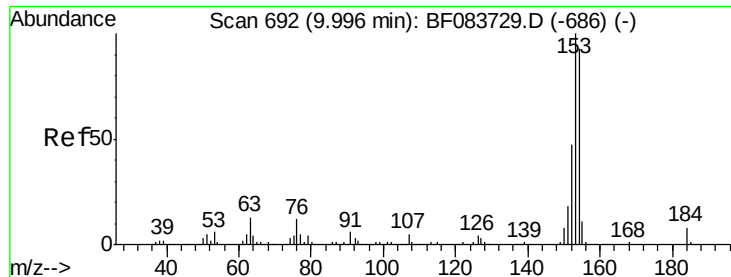
#50
2,6-Dinitrotoluene
Concen: 37.86 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	35.9	56.9	85.3#
89	42.7	52.1	78.1#



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





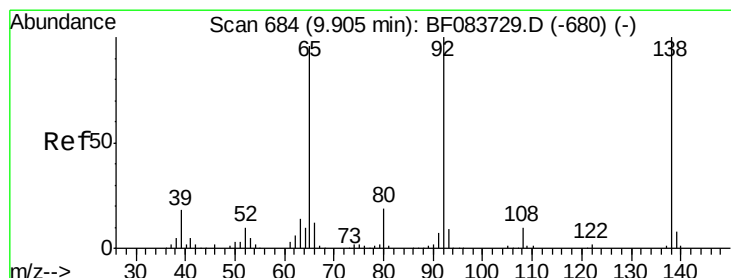
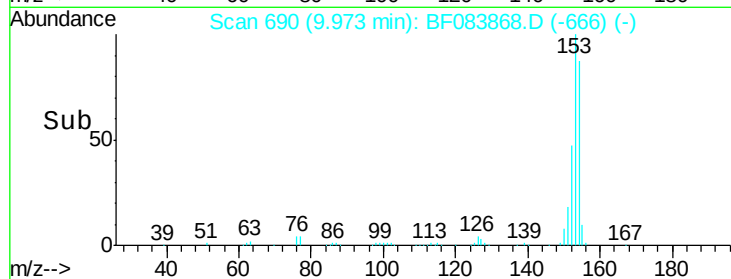
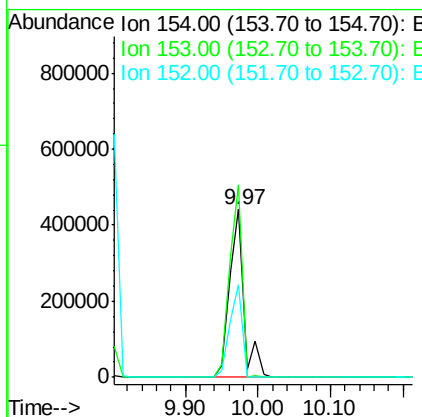
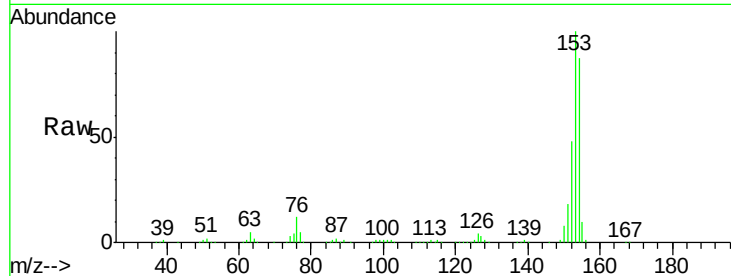
#51
Acenaphthene
Concen: 39.48 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.4	137.0
152	55.0	43.4	65.2

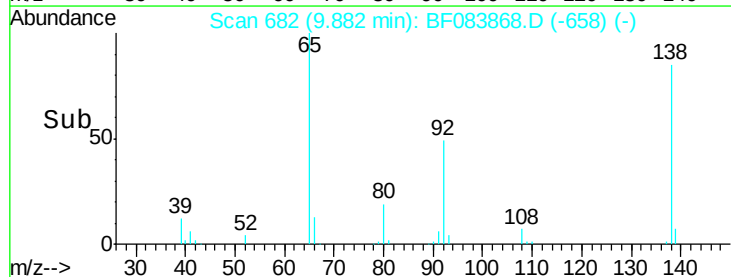
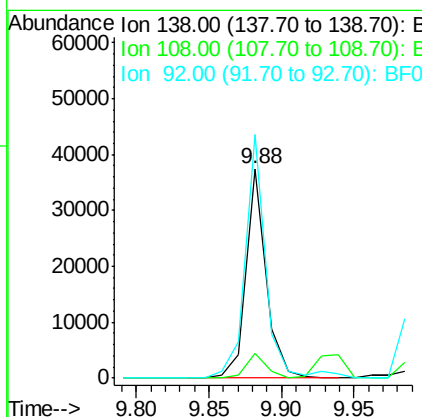
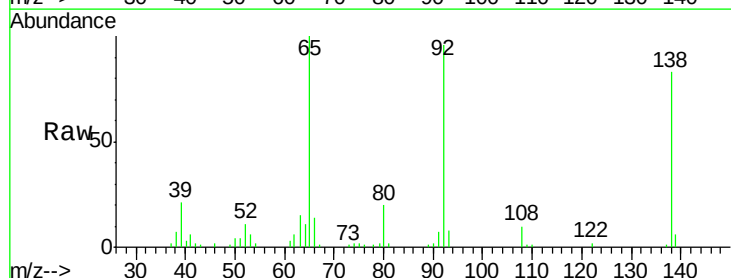
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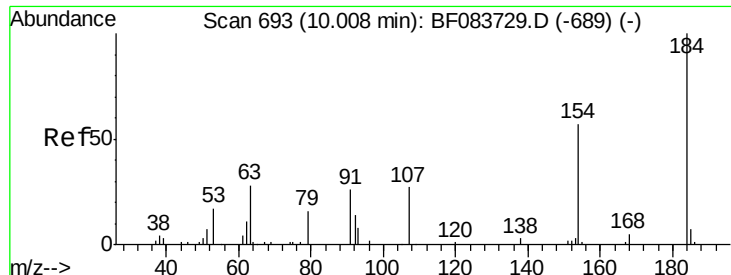
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#52
3-Nitroaniline
Concen: 8.12 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.9	14.9
92	116.1	113.8	170.8





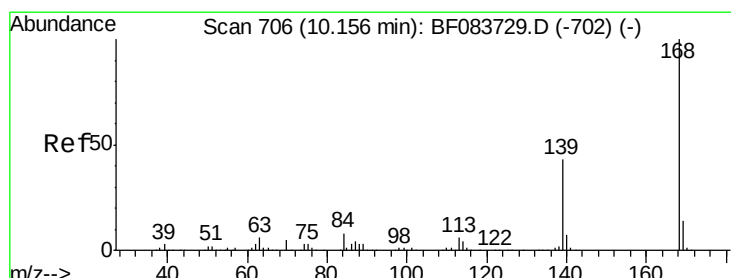
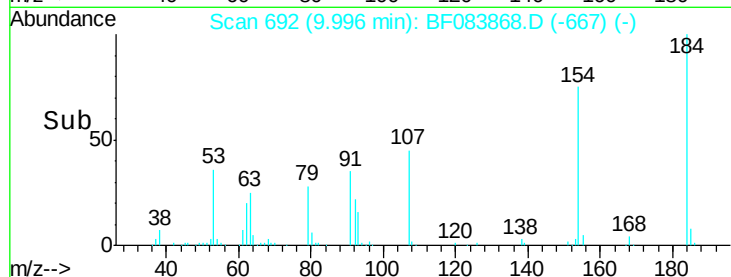
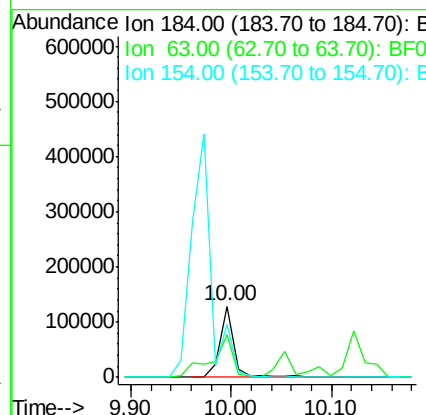
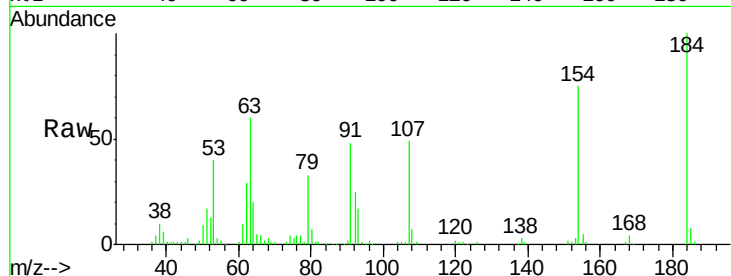
#53
2,4-Dinitrophenol
Concen: 65.53 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	123561		
63	60.4	62.4	93.6#	
154	74.9	46.6	69.8#	

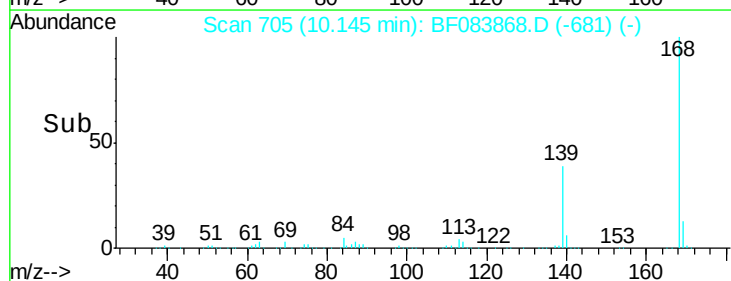
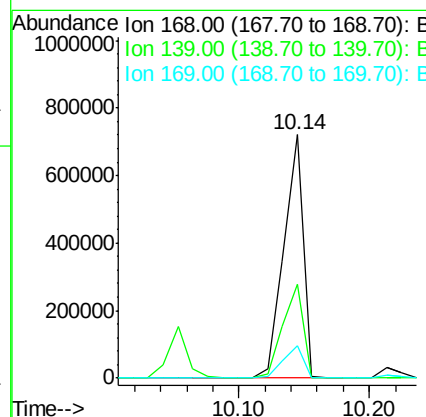
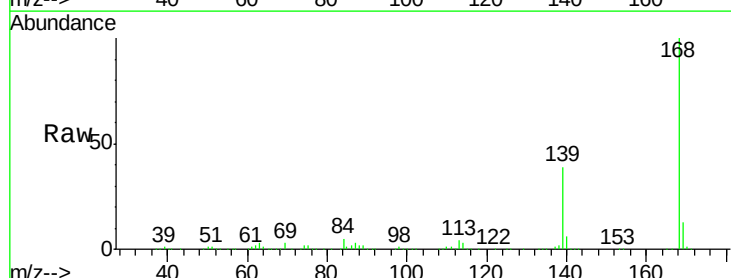
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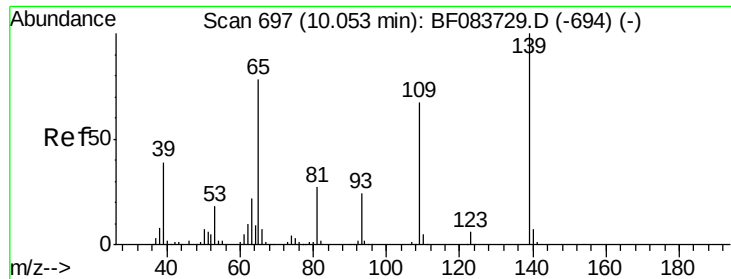
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#54
Dibenzofuran
Concen: 36.77 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	756376		
139	38.6	28.0	42.0	
169	13.5	10.8	16.2	





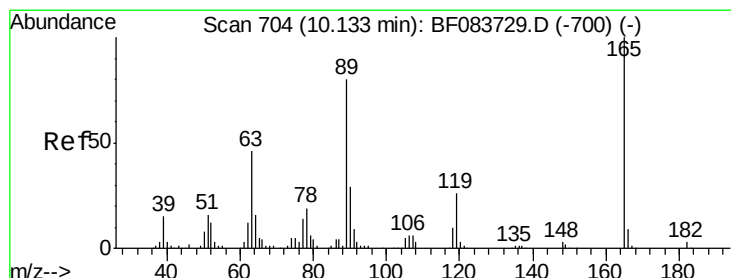
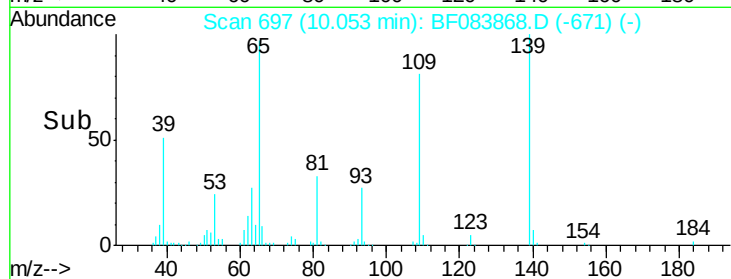
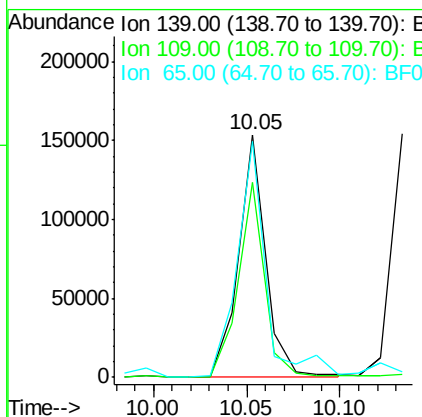
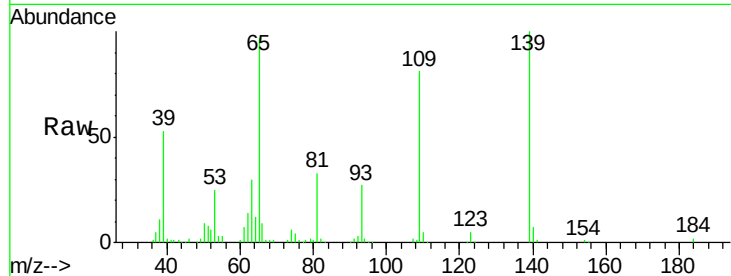
#55
4-Nitrophenol
Concen: 47.93 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	80.6	42.0	82.0	
65	97.4	89.2	129.2	

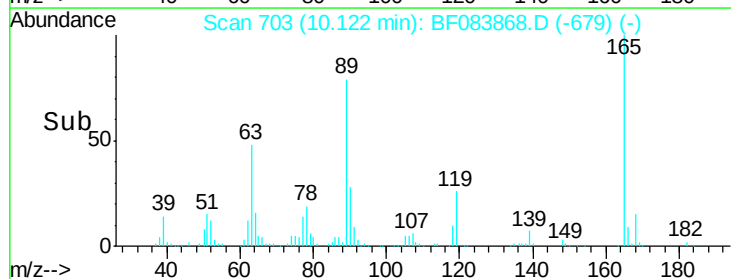
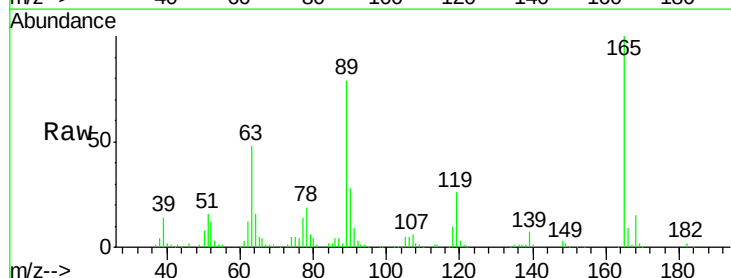
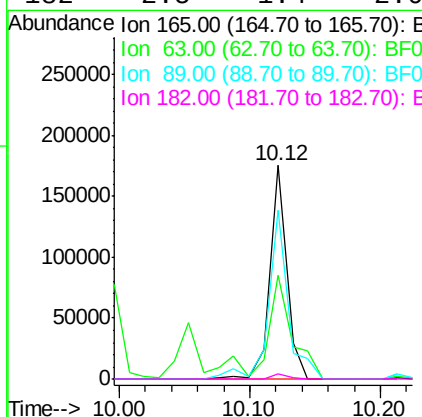
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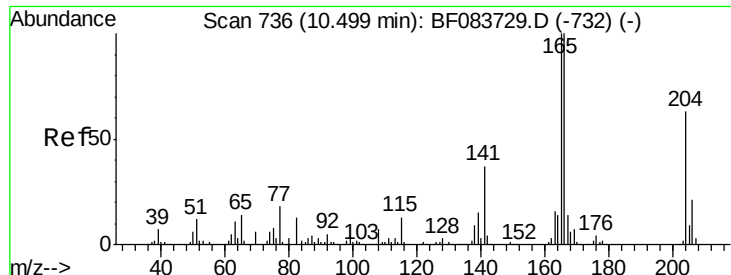
MMdadoda
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#56
2,4-Dinitrotoluene
Concen: 31.90 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	48.4	51.4	77.2#	
89	79.1	72.6	108.8	
182	2.5	1.4	2.0#	





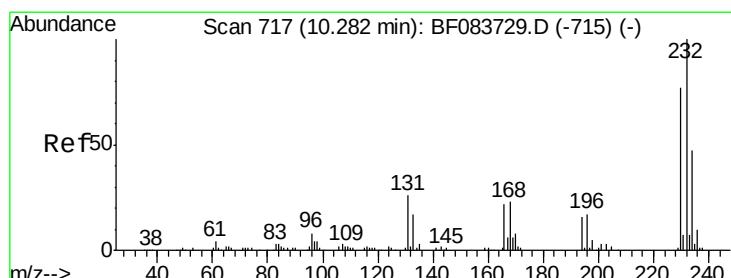
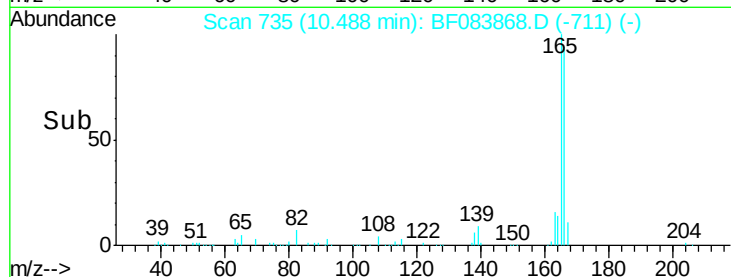
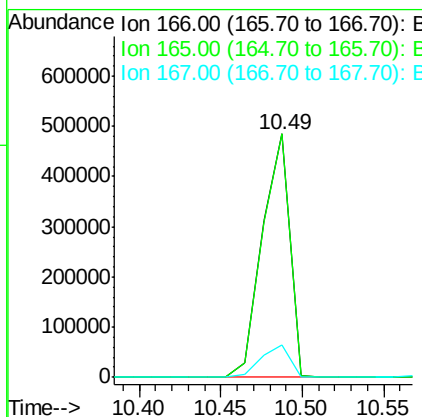
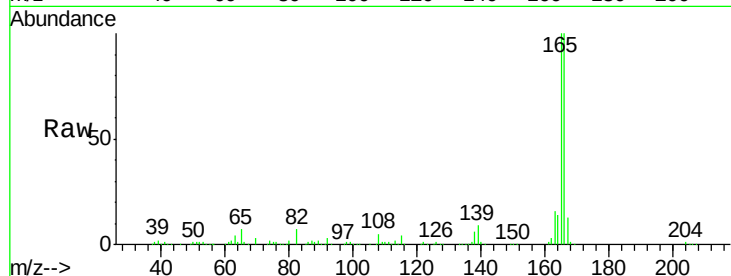
#57
Fluorene
 Concen: 35.01 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	80.0	120.0	
167	13.3	10.6	16.0	

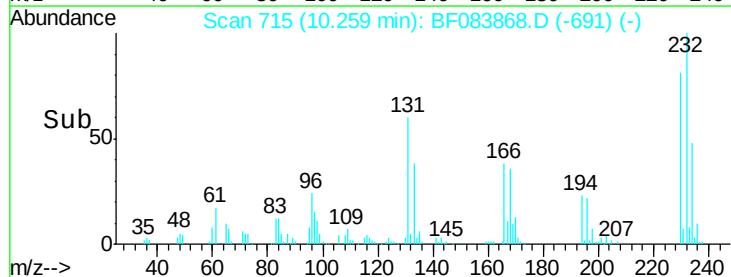
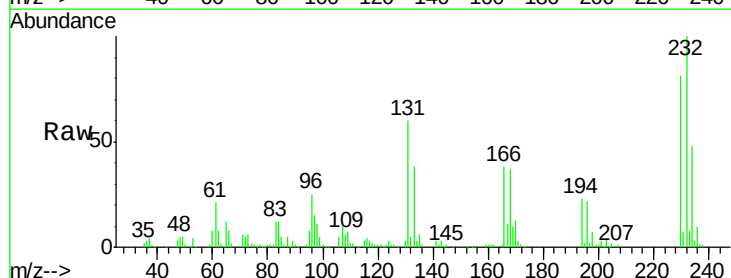
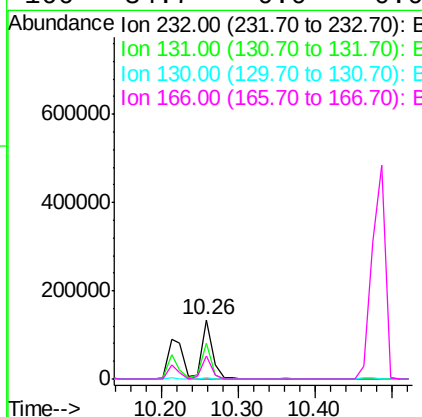
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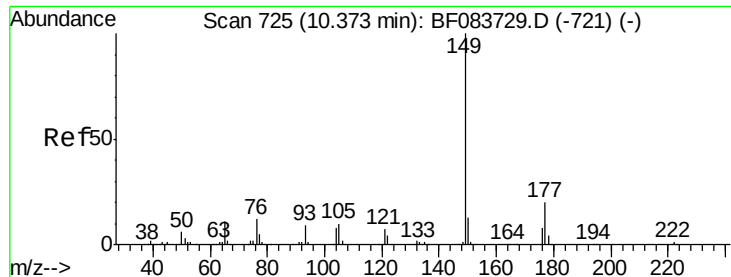
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 35.91 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	54.7	0.0	0.0#	
130	2.9	0.0	0.0#	
166	34.7	0.0	0.0#	





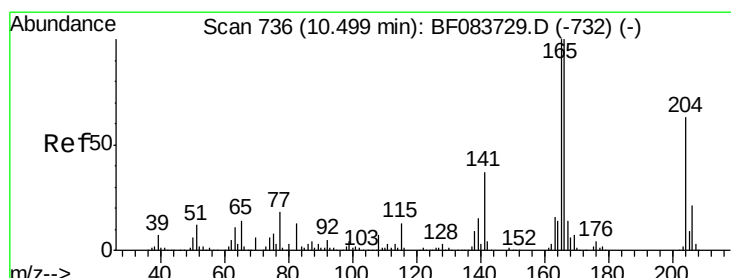
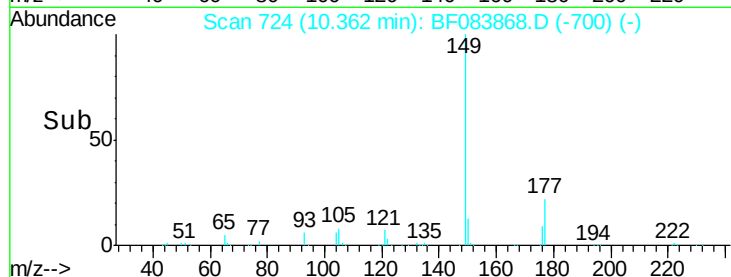
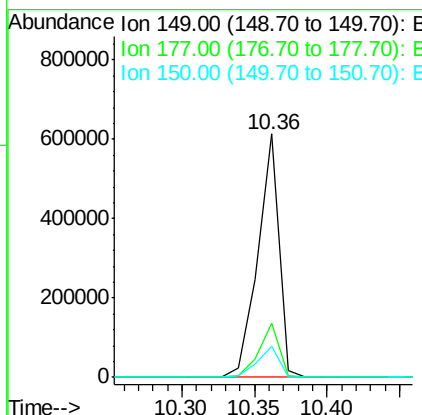
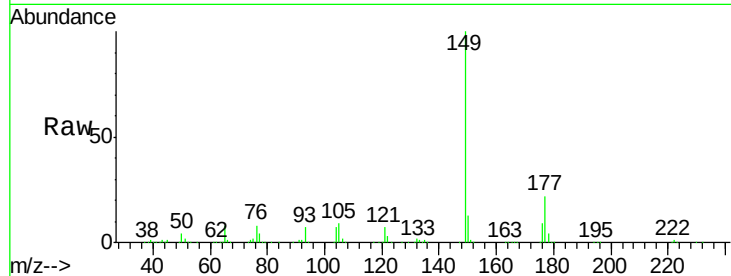
#59
Diethylphthalate
Concen: 33.64 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	619525		
177	22.1	16.9	25.3	
150	13.0	10.2	15.4	

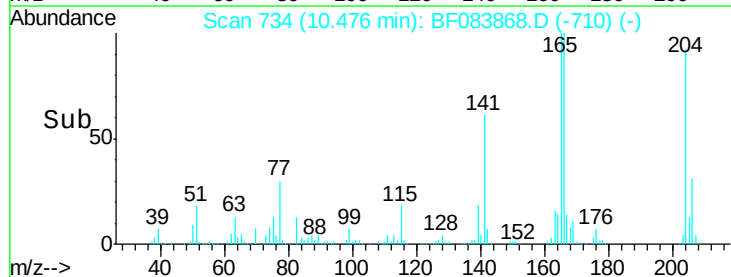
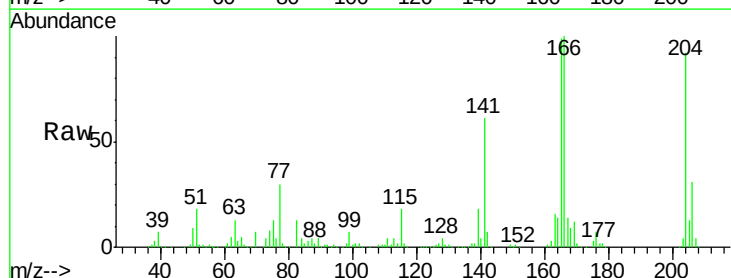
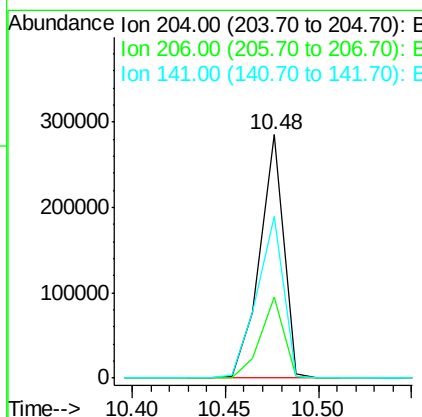
Manual Integrations
APPROVED

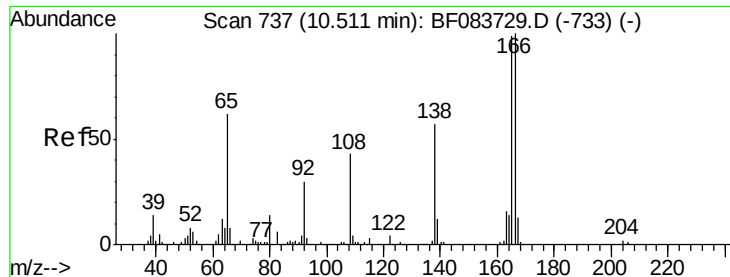
MMdadoda
12/17/2015 5:35:02 PM



#60
4-Chlorophenyl-phenylether
Concen: 34.25 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	252952		
206	33.5	27.3	40.9	
141	66.6	51.9	77.9	





#61

4-Nitroaniline

Concen: 26.60 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

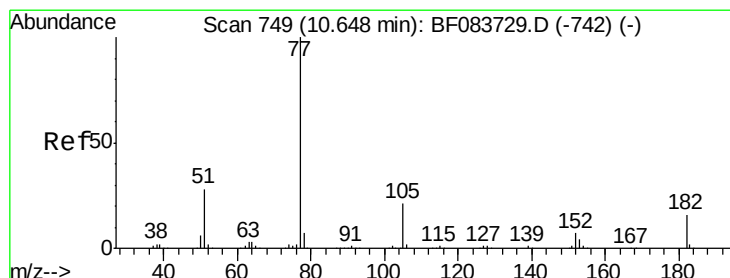
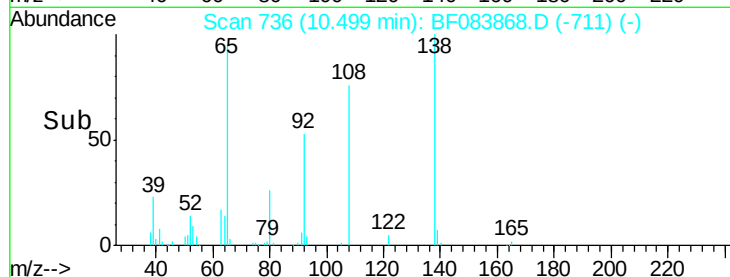
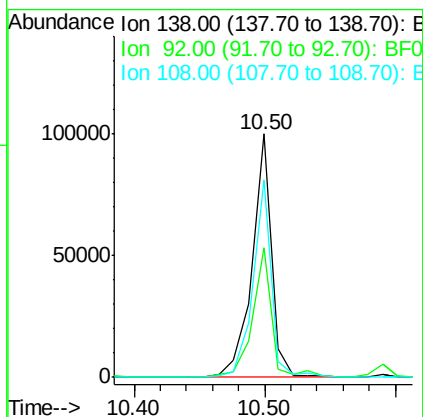
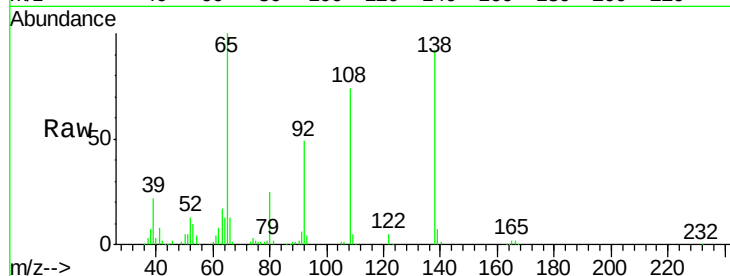
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	138	Resp:	104342
Ion Ratio	Lower	Upper	
138	100		
92	53.2	29.0	69.0
108	81.1	47.4	87.4

Manual Integrations
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MMdadoda
12/17/2015 5:35:02 PM



#62

Azobenzene

Concen: 35.65 ng

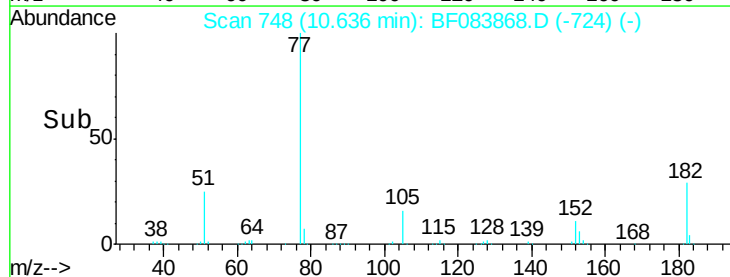
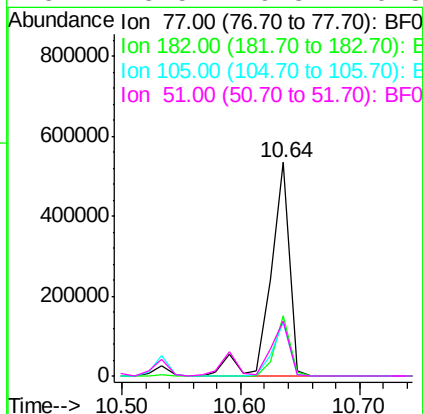
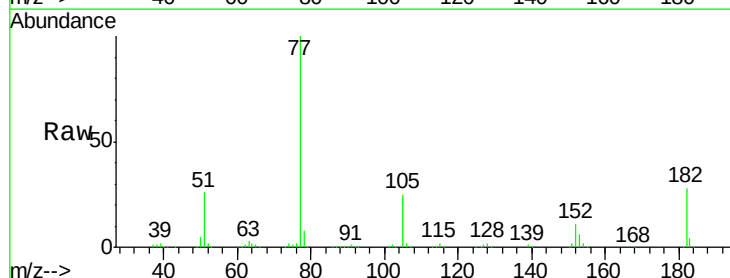
RT: 10.64 min Scan# 748

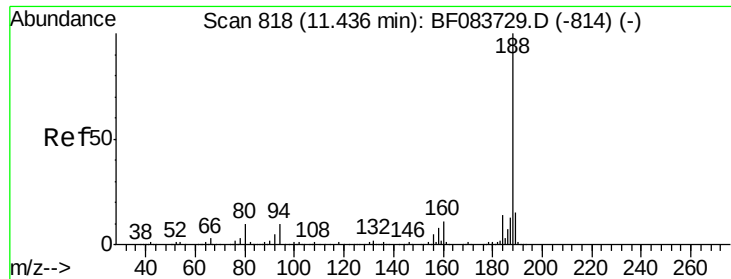
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	77	Resp:	598492
Ion Ratio	Lower	Upper	
77	100		
182	28.0	2.5	42.5
105	25.2	2.1	42.1
51	25.5	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

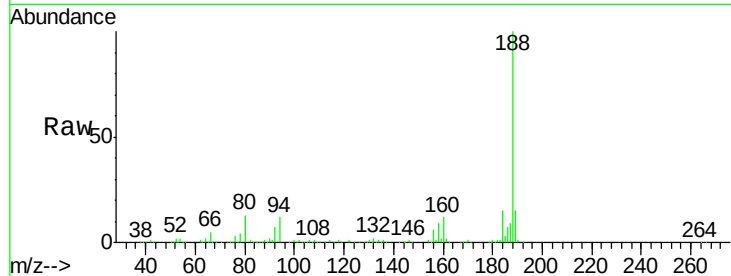
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	188	Resp:	422493
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.8	10.6	16.0

Manual Integrations
APPROVED

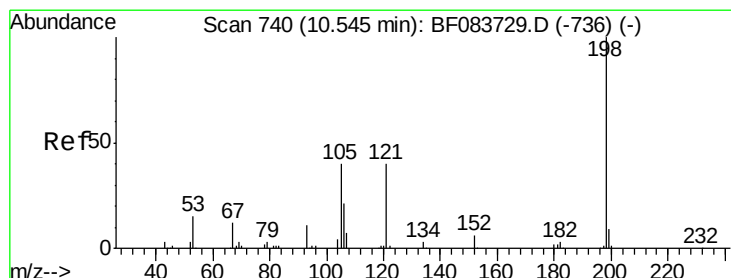
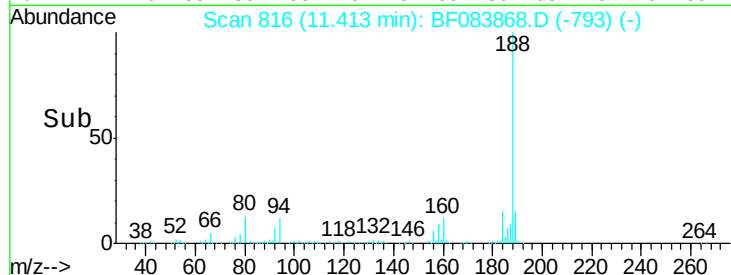
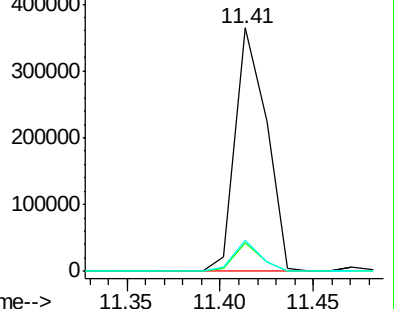
MMdadoda
12/17/2015 5:35:02 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 36.20 ng

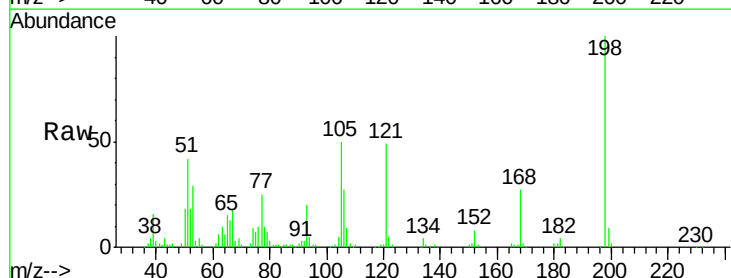
RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

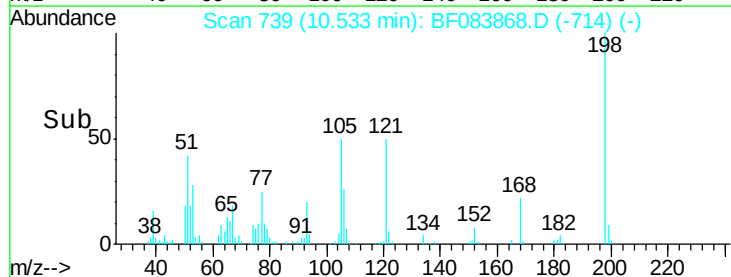
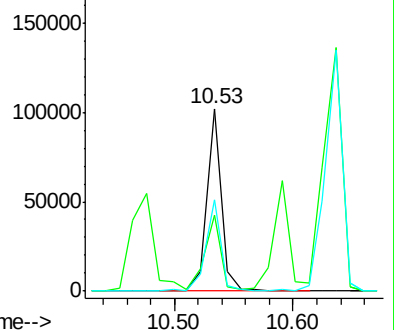
Tgt Ion:	198	Resp:	87028
Ion Ratio	Lower	Upper	
198	100		
51	41.7	53.8	93.8#
105	49.7	38.6	78.6

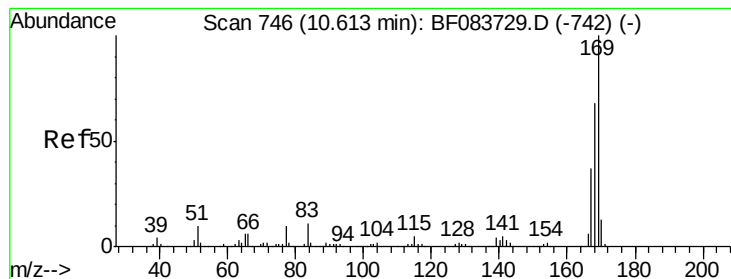


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





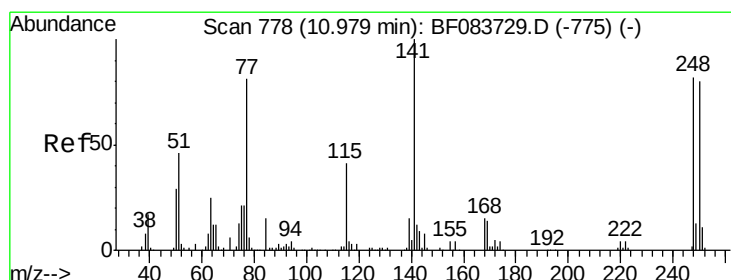
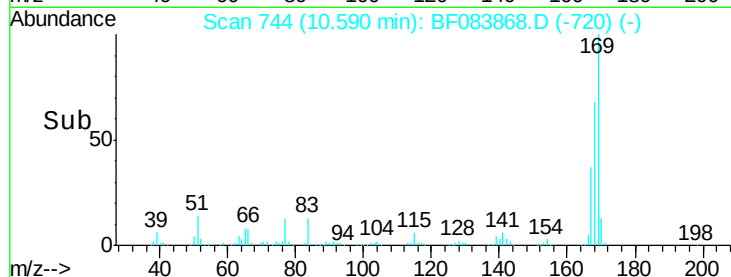
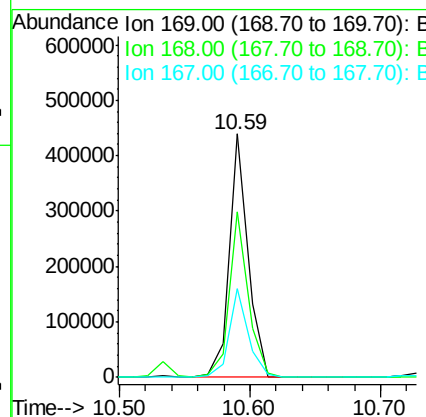
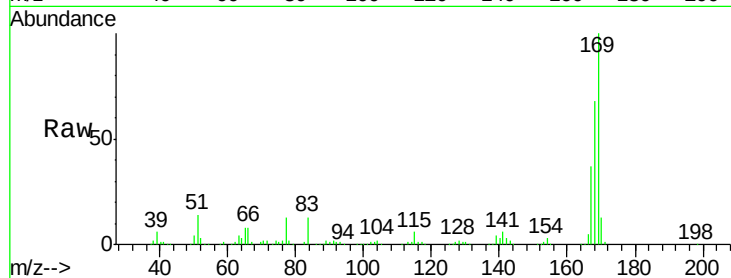
#65
n-Nitrosodiphenylamine
Concen: 30.38 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		439026		
168	68.0	53.0		79.6	
167	36.7	29.3		43.9	

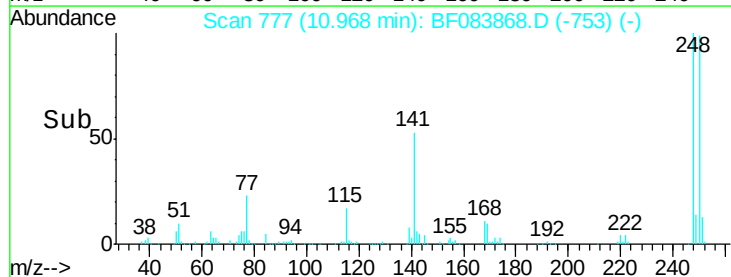
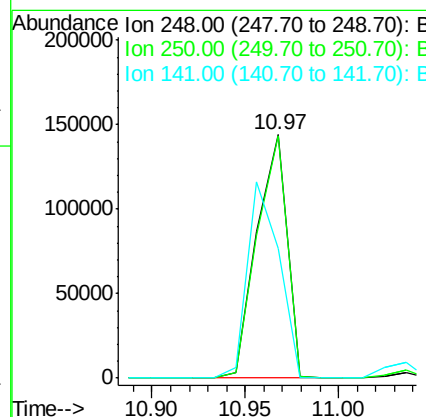
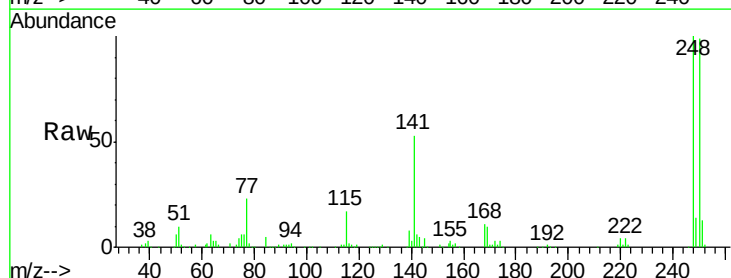
Manual Integrations
APPROVED

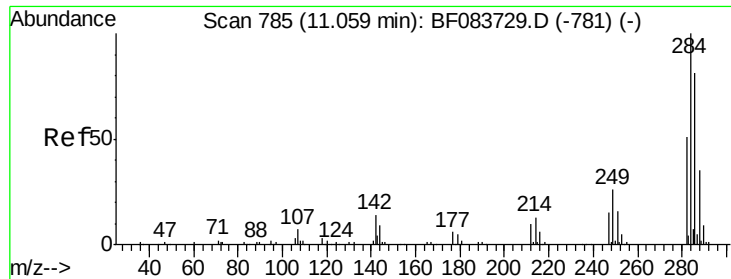
MMdadoda
12/17/2015 5:35:02 PM



#66
4-Bromophenyl-phenylether
Concen: 34.14 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		161270		
250	99.5	79.2		118.8	
141	53.4	58.2		87.4	





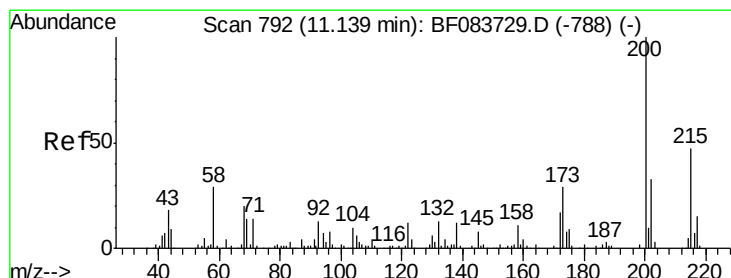
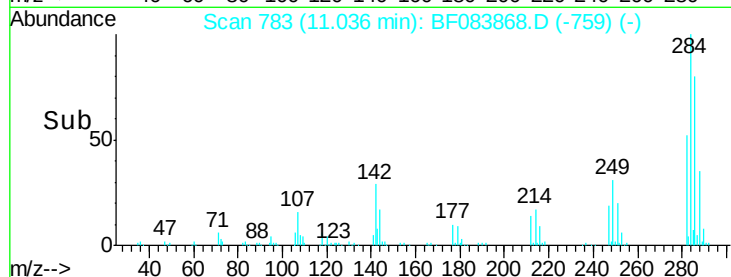
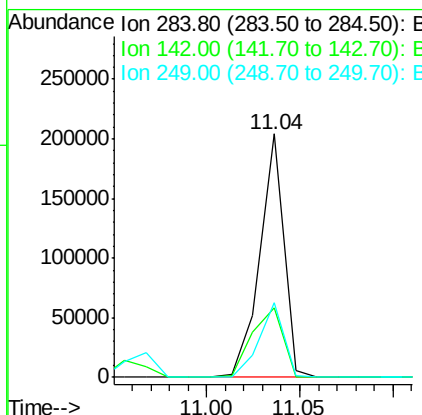
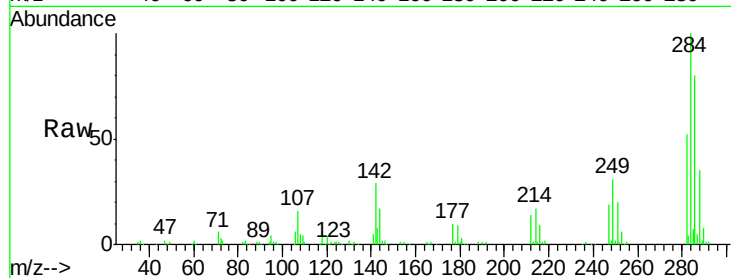
#67
Hexachlorobenzene
Concen: 35.39 ng
RT: 11.04 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	28.6	31.0	46.4#
249	30.8	26.9	40.3

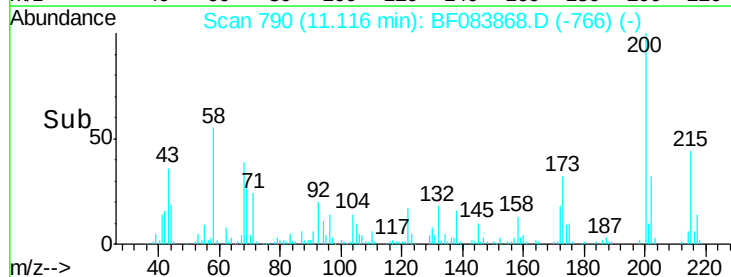
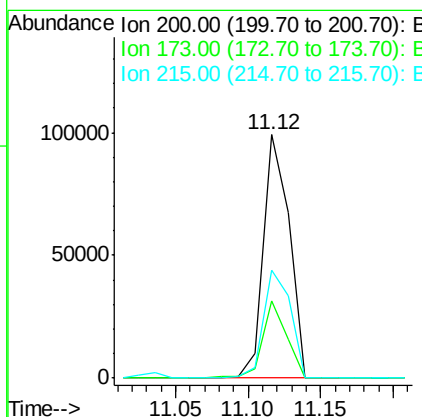
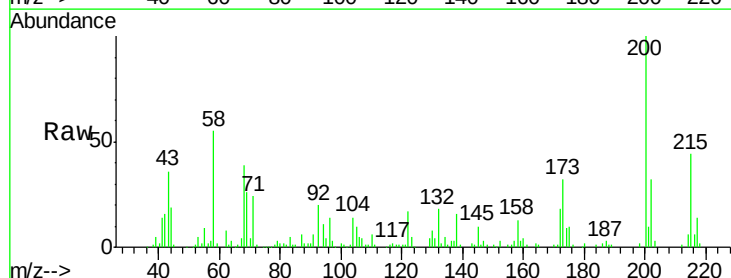
Manual Integrations
APPROVED

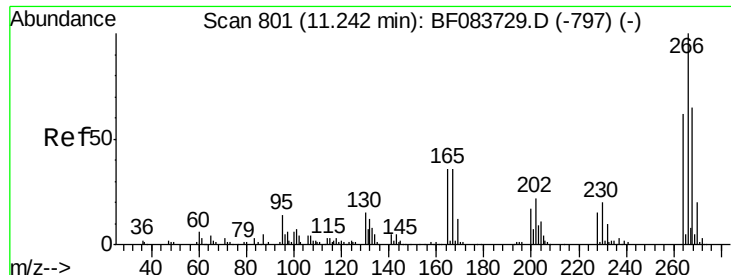
MMdadoda
12/17/2015 5:35:02 PM



#68
Atrazine
Concen: 29.81 ng
RT: 11.12 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	31.8	7.8	47.8
215	44.2	25.7	65.7





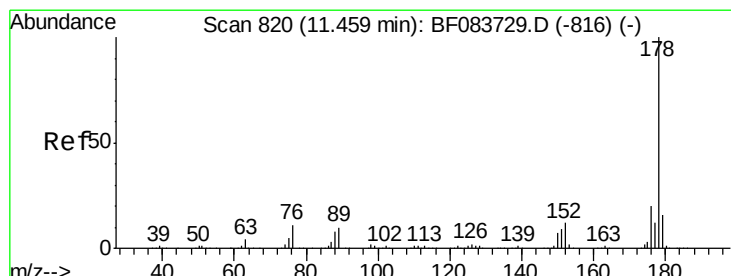
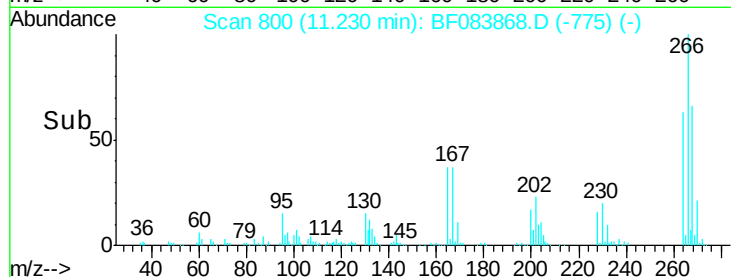
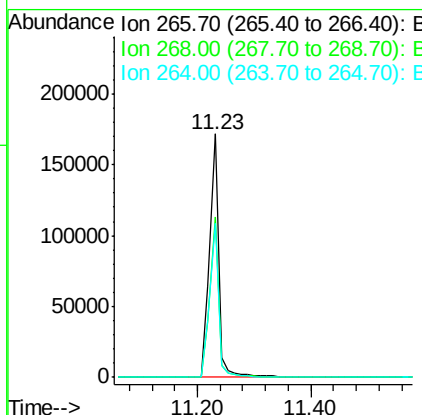
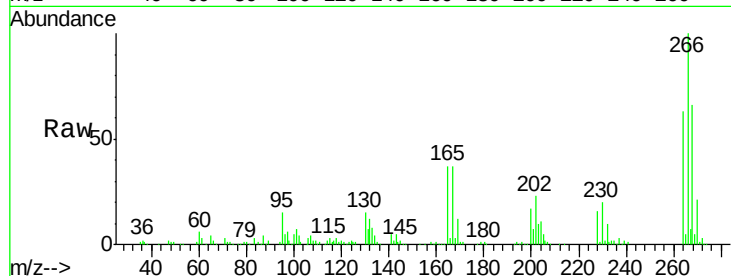
#69
 Pentachlorophenol
 Concen: 64.37 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.6	50.2	75.2
264	63.3	51.4	77.2

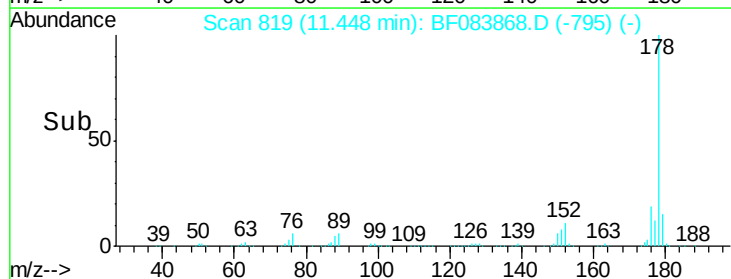
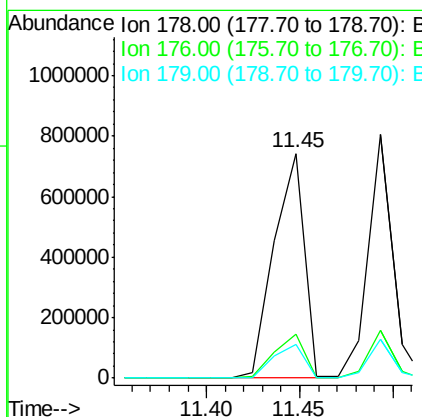
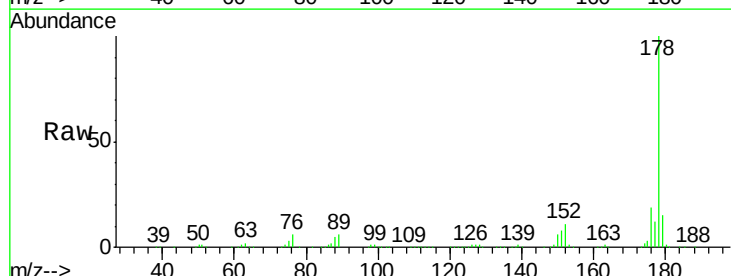
Manual Integrations
 APPROVED

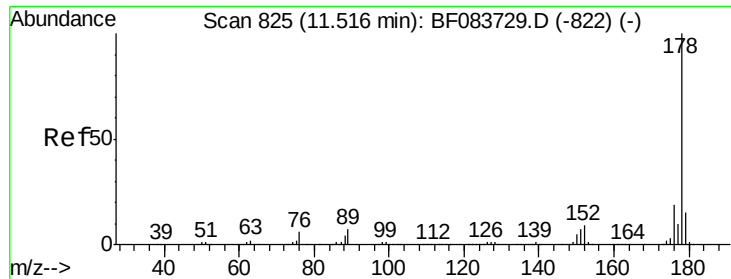
MMdadoda
 12/17/2015 5:35:02 PM



#70
 Phenanthrene
 Concen: 37.61 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.1	12.2	18.4





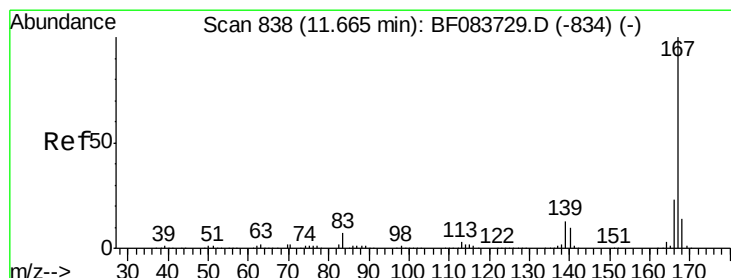
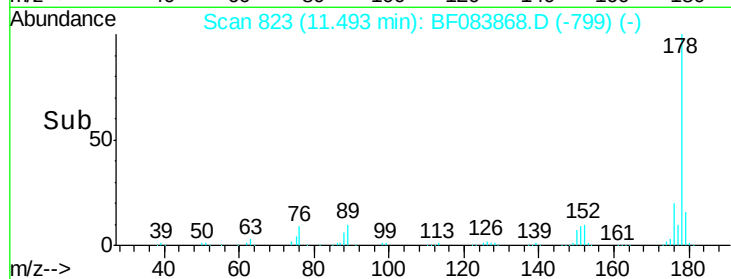
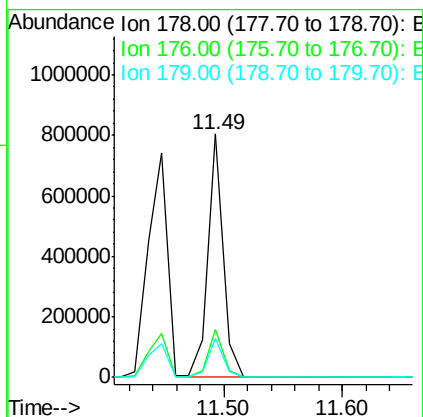
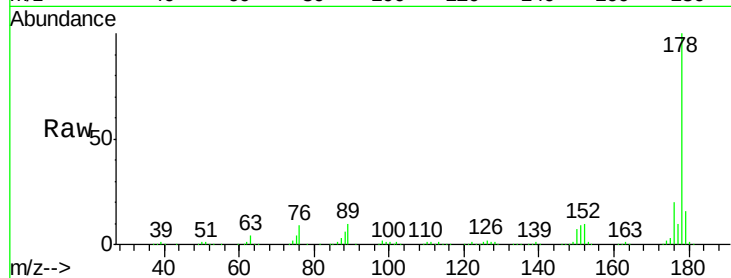
#71
 Anthracene
 Concen: 30.90 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.2	22.8
179	16.0	12.6	18.8

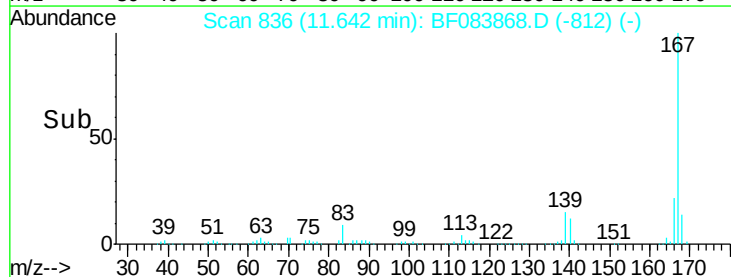
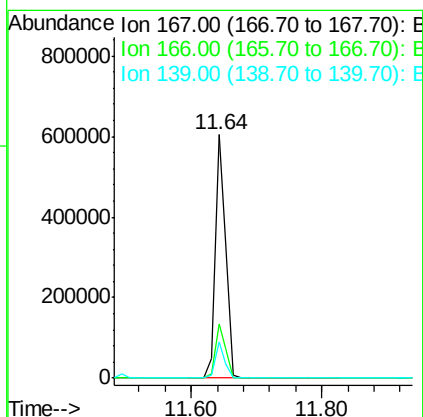
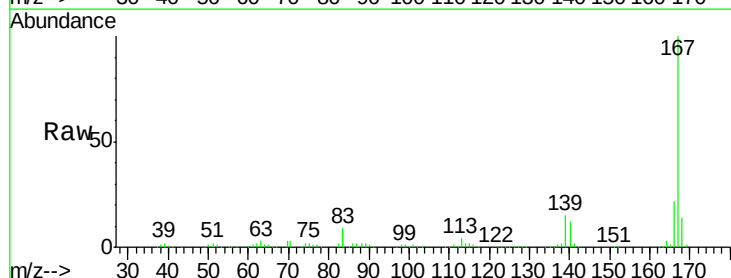
Manual Integrations
 APPROVED

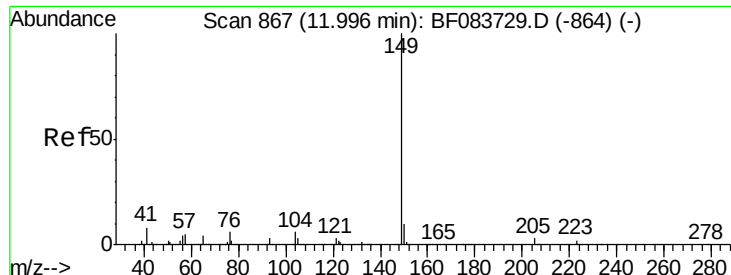
MMdadoda
 12/17/2015 5:35:02 PM



#72
 Carbazole
 Concen: 31.83 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	15.0	9.3	13.9





#73

Di-n-butylphthalate

Concen: 36.98 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

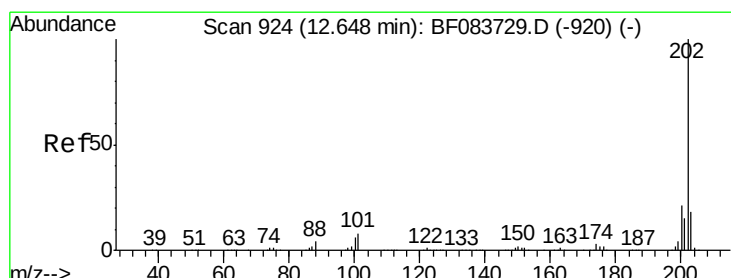
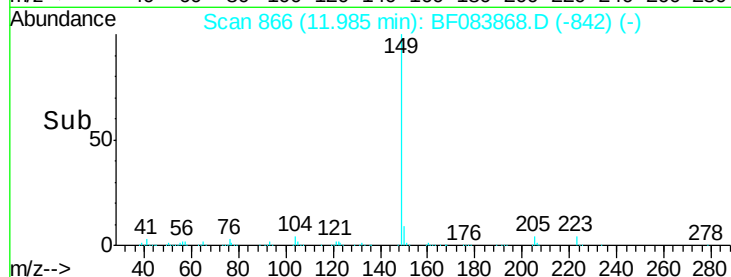
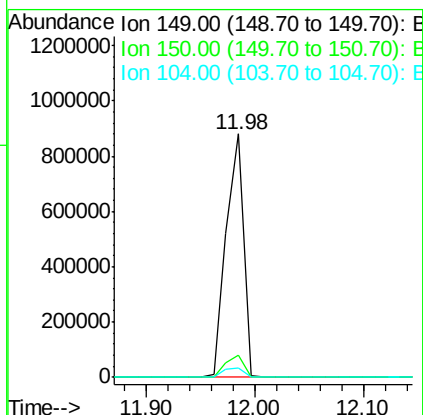
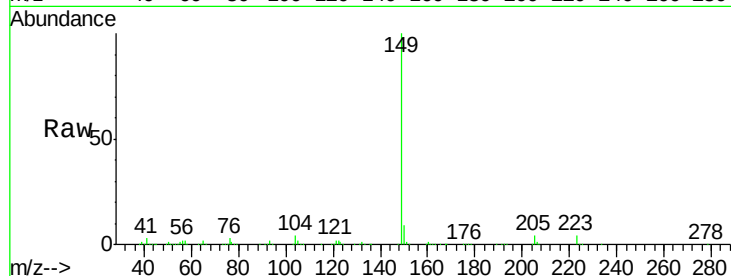
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	149	Resp:	975450
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.8	11.6
104	4.1	3.9	5.9

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:35:02 PM



#74

Fluoranthene

Concen: 32.37 ng

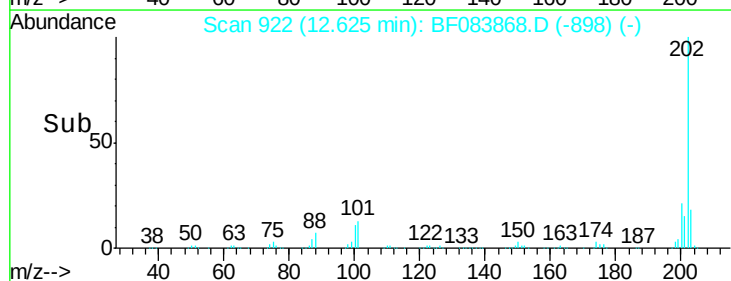
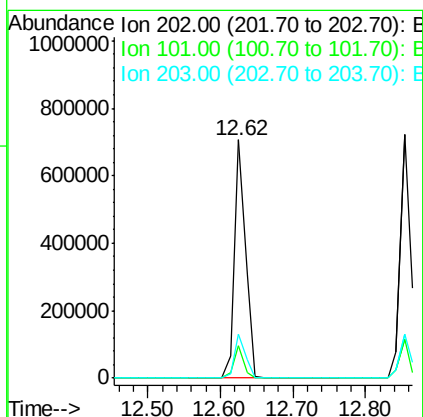
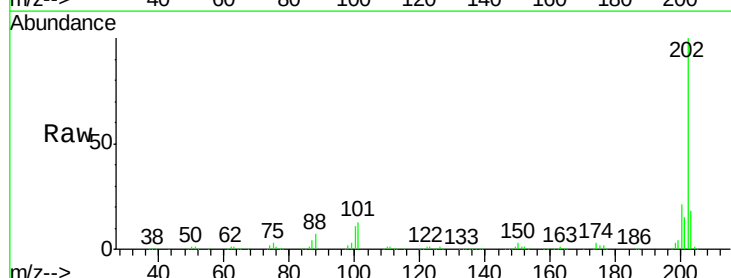
RT: 12.62 min Scan# 922

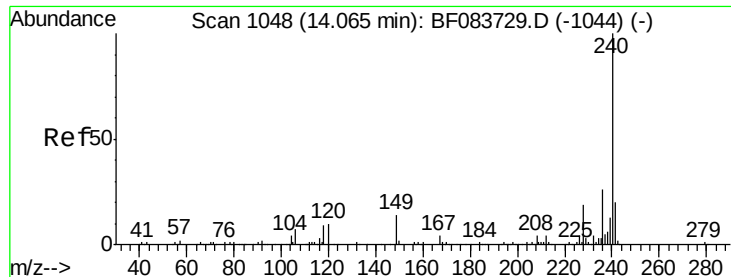
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	202	Resp:	750742
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.5
203	18.2	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: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

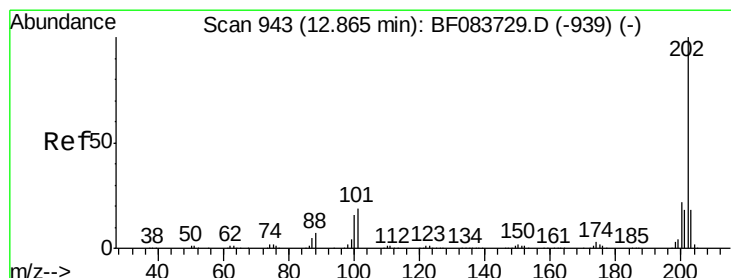
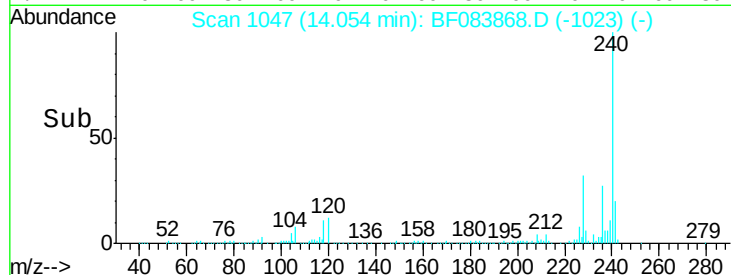
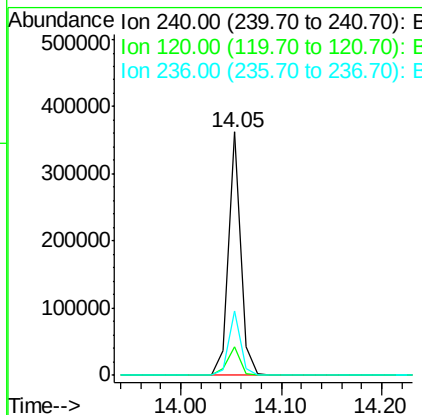
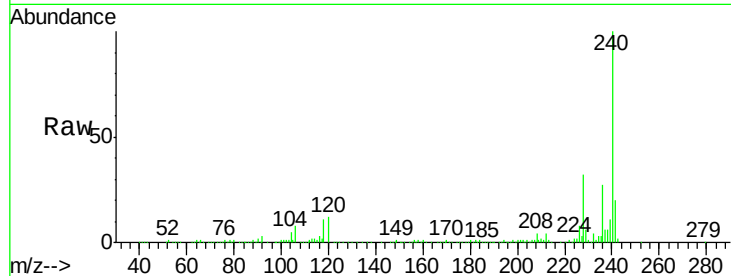
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion:	240	Resp:	307333
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.1	12.1
236	26.5	20.8	31.2

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#77

Pyrene

Concen: 30.39 ng

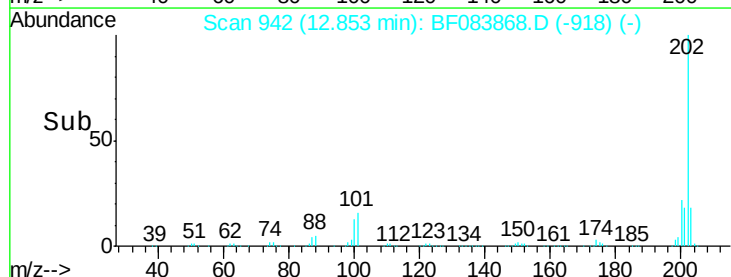
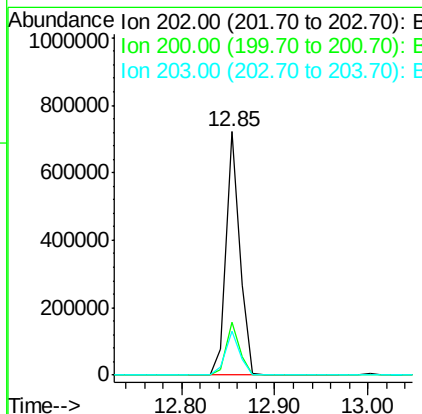
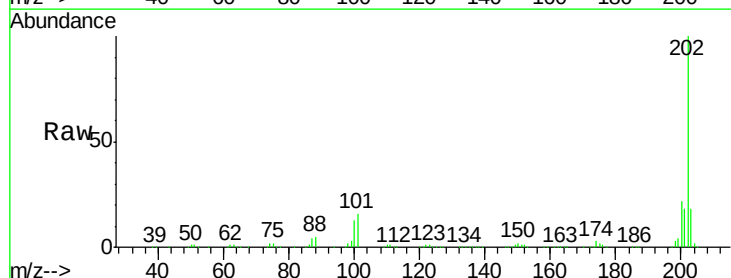
RT: 12.85 min Scan# 942

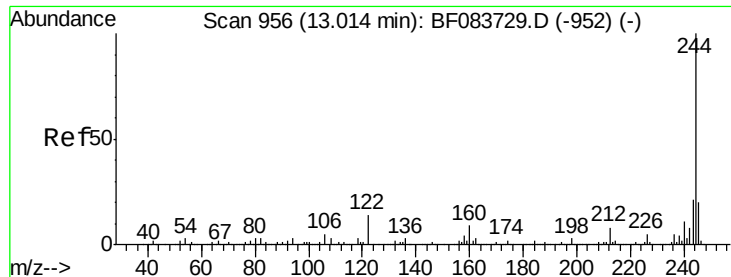
Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion:	202	Resp:	738233
Ion Ratio	Lower	Upper	
202	100		
200	21.8	16.7	25.1
203	18.3	14.3	21.5





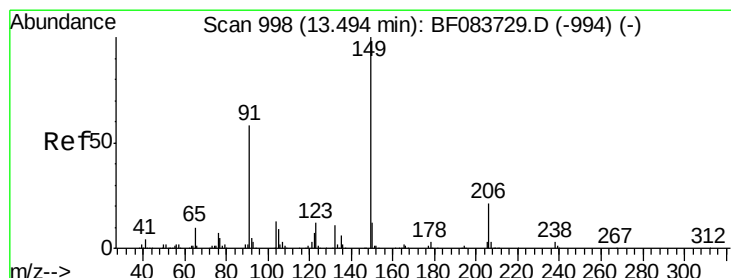
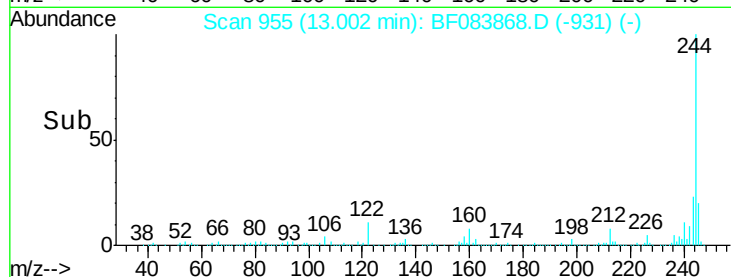
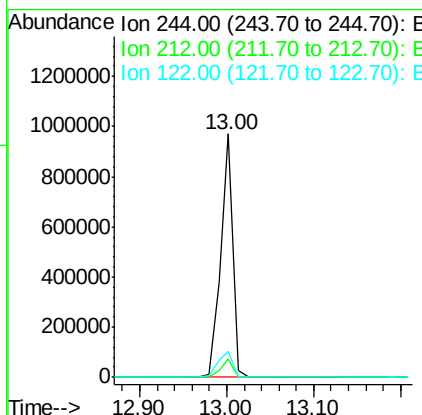
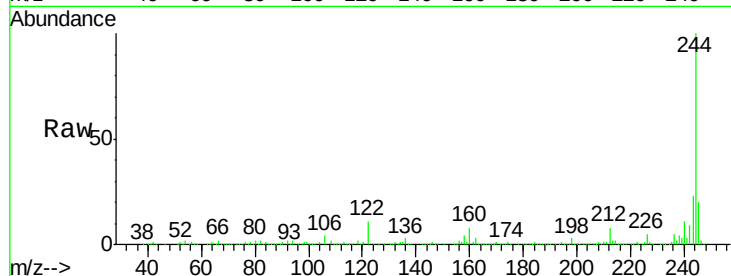
#78
 Terphenyl-d14
 Concen: 67.17 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	10.7	11.0	16.6#

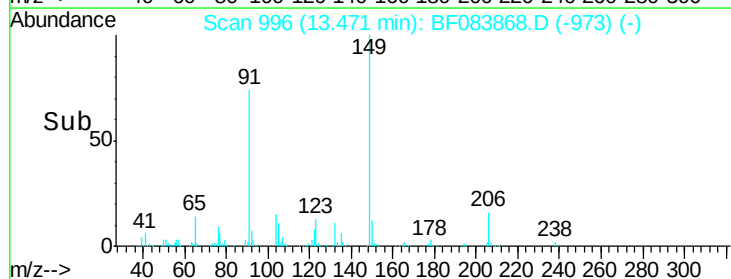
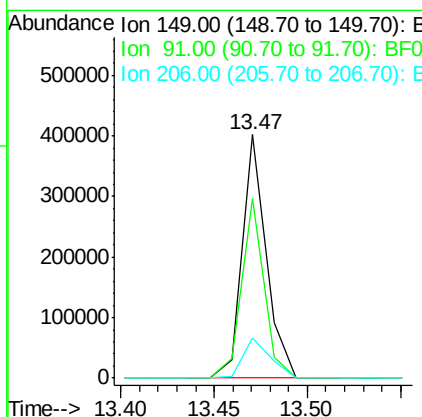
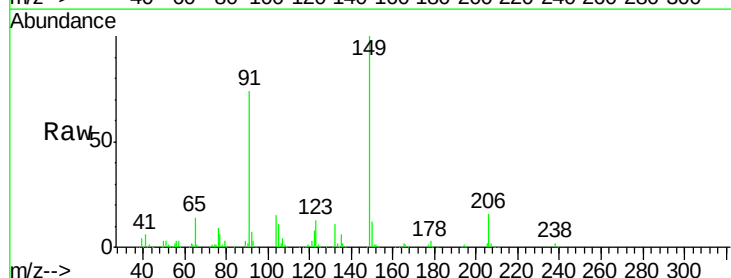
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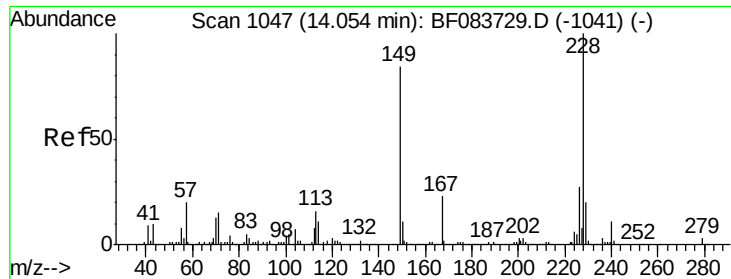
MMdadoda
 12/17/2015 5:35:02 PM



#79
 Butylbenzylphthalate
 Concen: 34.55 ng
 RT: 13.47 min Scan# 996
 Delta R.T. -0.03 min
 Lab File: BF083868.D
 Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.6	60.0	90.0
206	16.2	16.2	24.4#





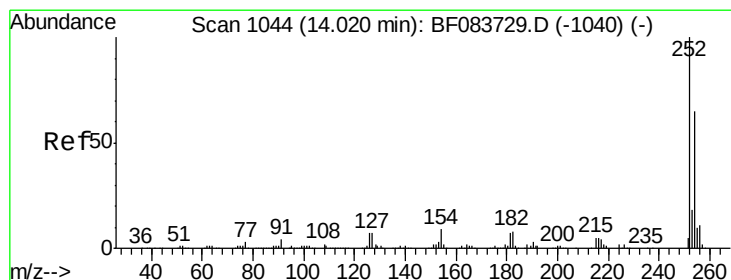
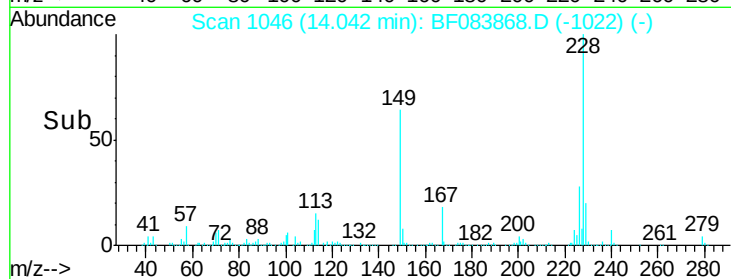
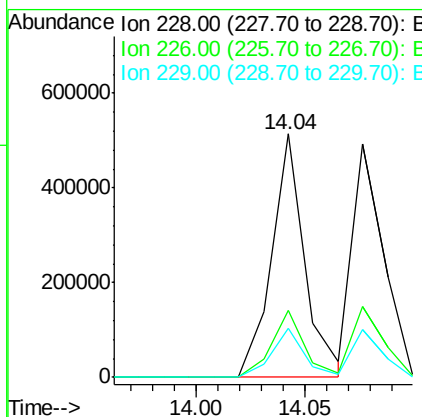
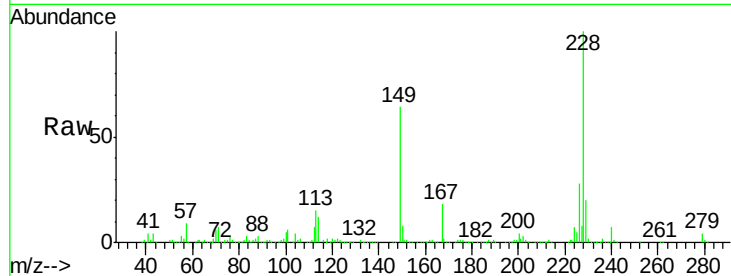
#80
Benzo(a)anthracene
Concen: 31.50 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.2	15.7	23.5

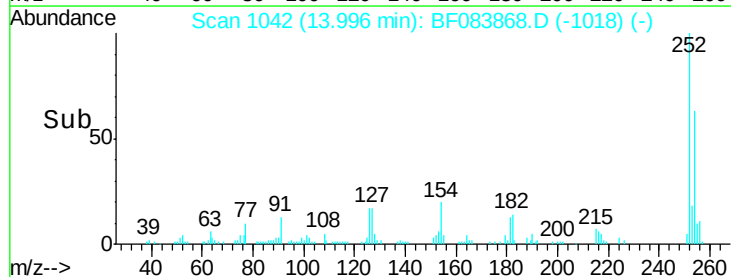
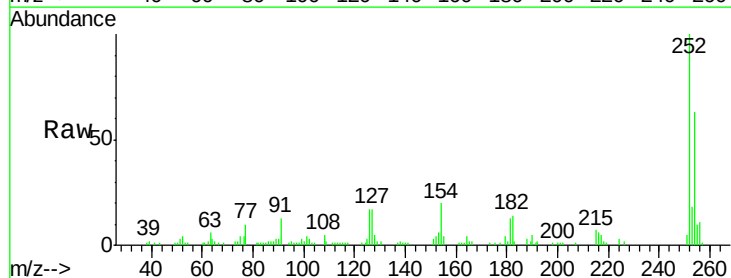
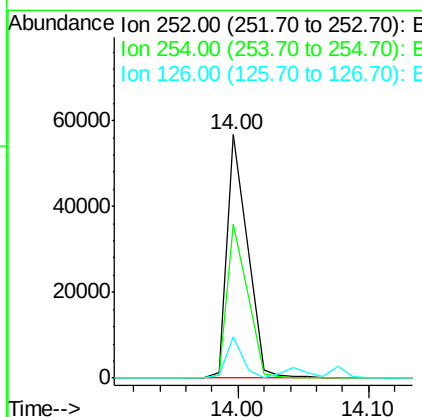
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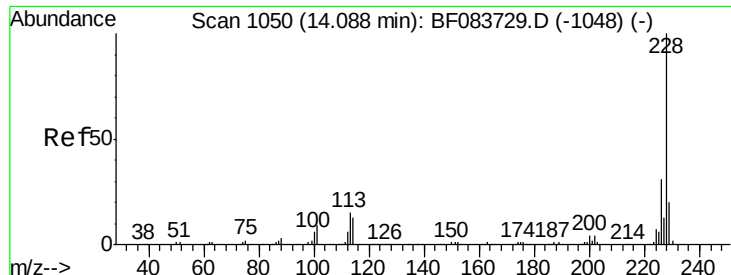
MMdadoda
12/17/2015 5:35:02 PM



#81
3,3'-Dichlorobenzidine
Concen: 9.85 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.6	76.0
126	17.2	11.0	16.4





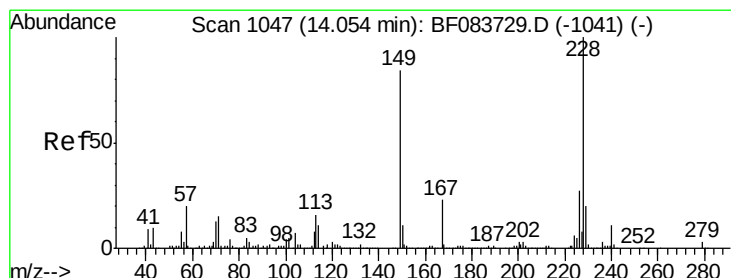
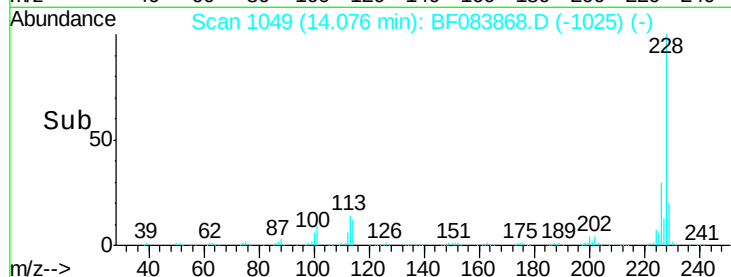
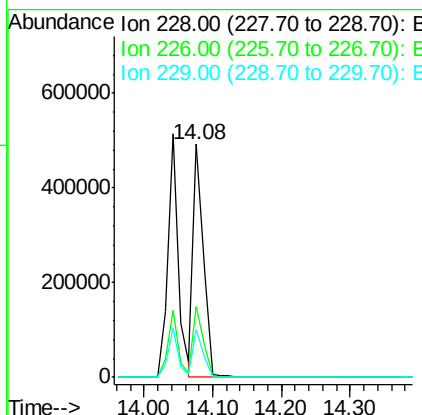
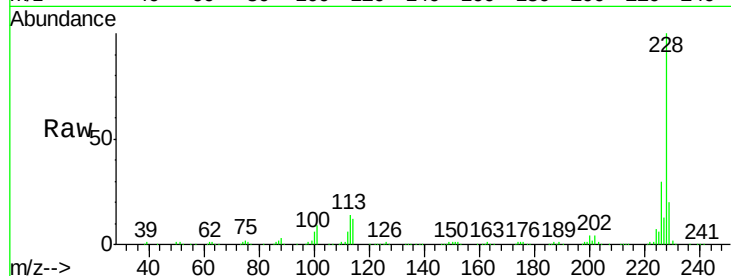
#82
Chrysene
Concen: 29.17 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.3	16.3	24.5

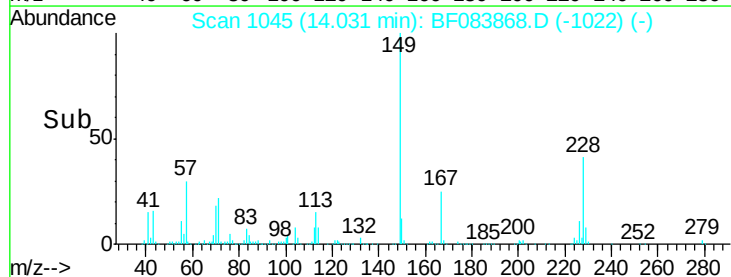
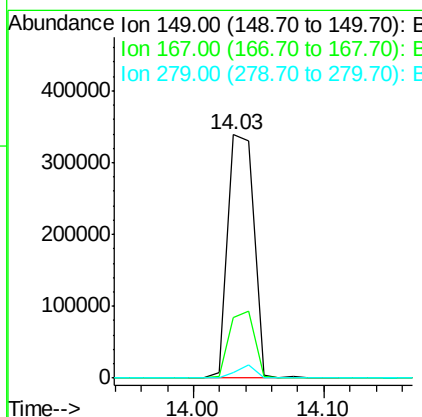
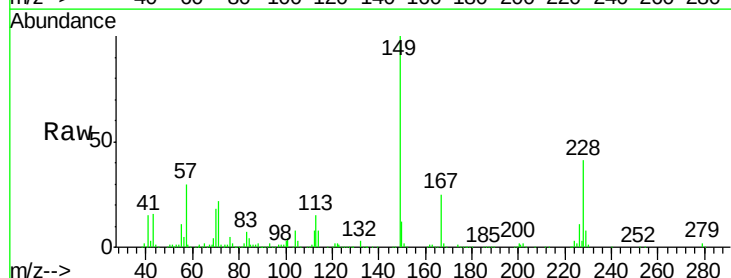
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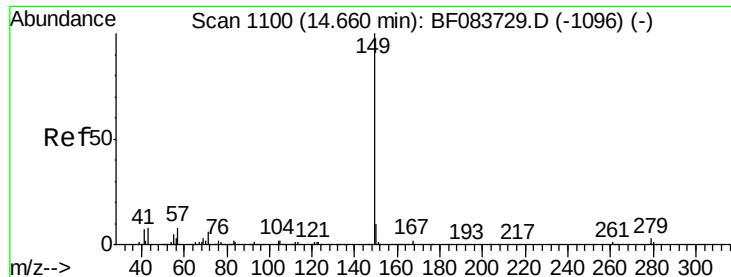
MMdadoda
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#83
Bis(2-ethylhexyl)phthalate
Concen: 39.63 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	21.8	32.8
279	2.2	3.0	4.4#





#84

Di-n-octyl phthalate

Concen: 40.55 ng

RT: 14.65 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_F

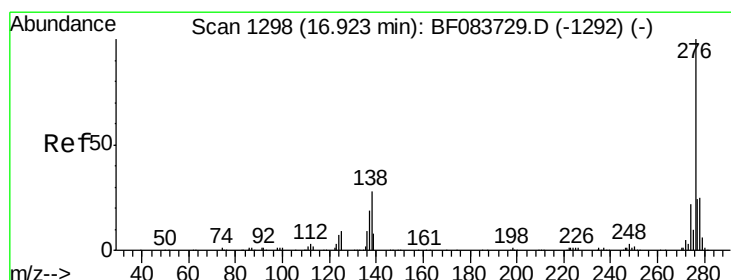
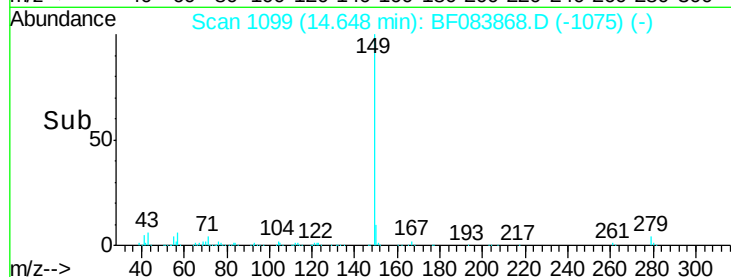
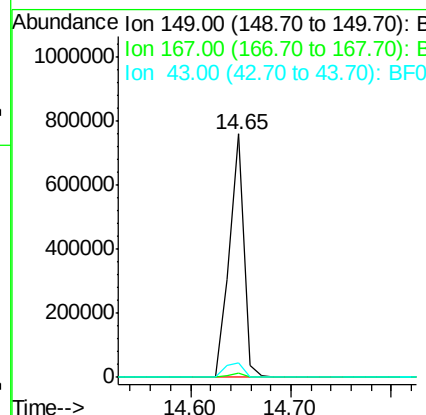
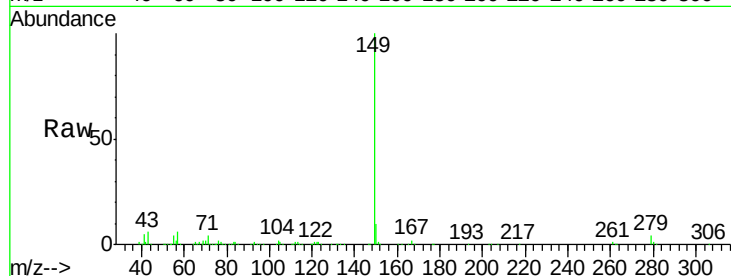
ClientSampleId :

COMPOSITE-A-20150872MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	0.0	0.0#	
43	7.5	0.0	0.0#	

Manual Integrations
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MMdadoda
12/17/2015 5:35:02 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 34.00 ng

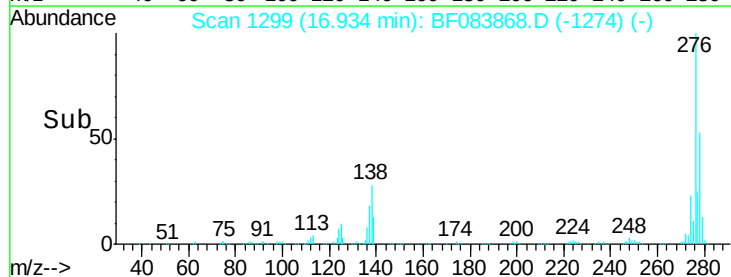
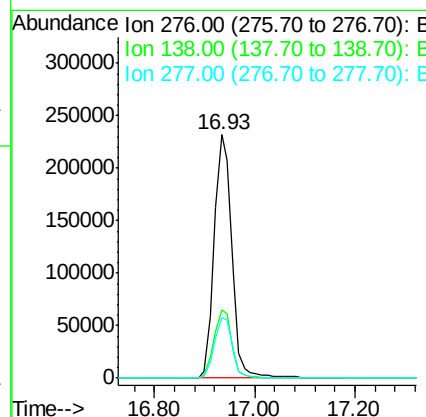
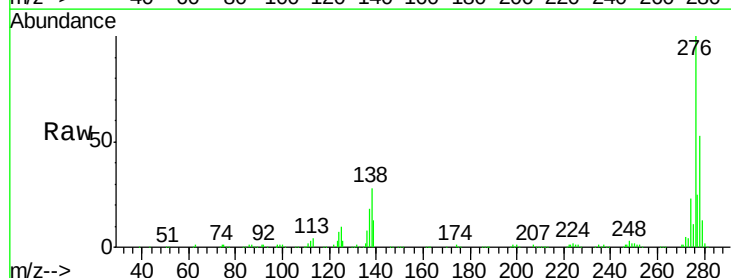
RT: 16.93 min Scan# 1299

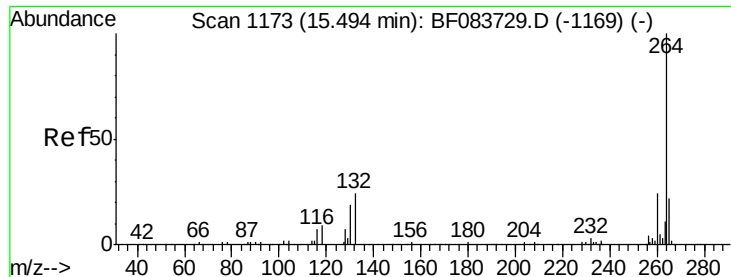
Delta R.T. -0.01 min

Lab File: BF083868.D

Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	28.2	0.0	0.0#	
277	25.3	0.0	0.0#	





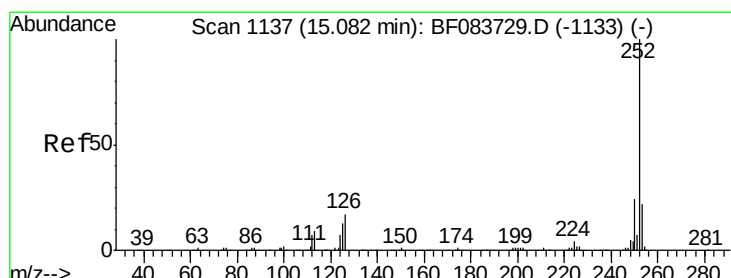
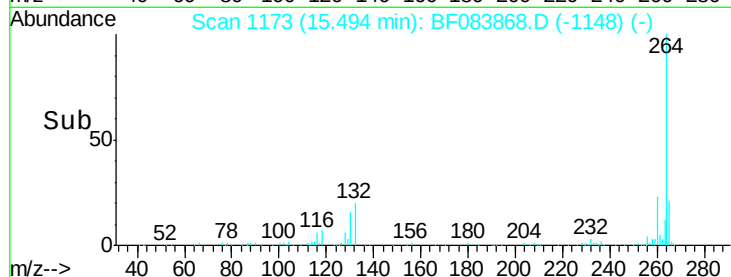
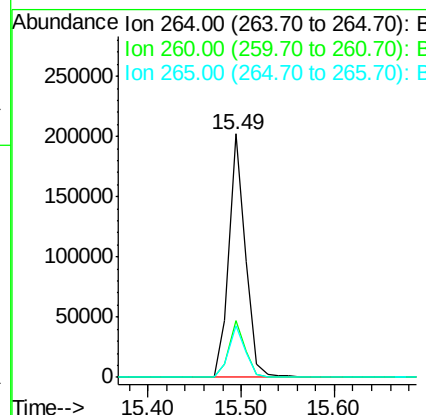
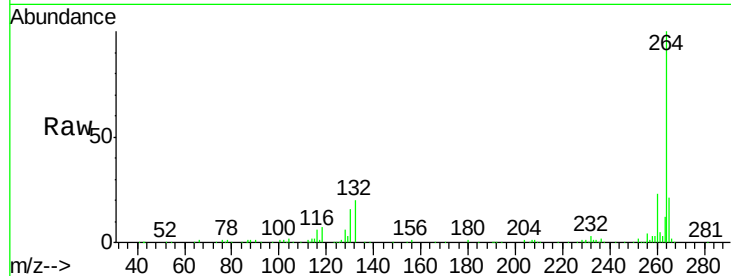
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	21.4	17.8	26.6

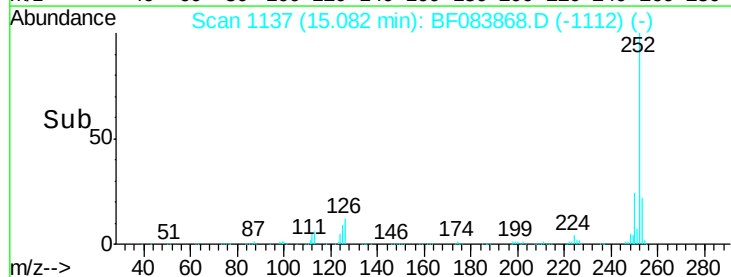
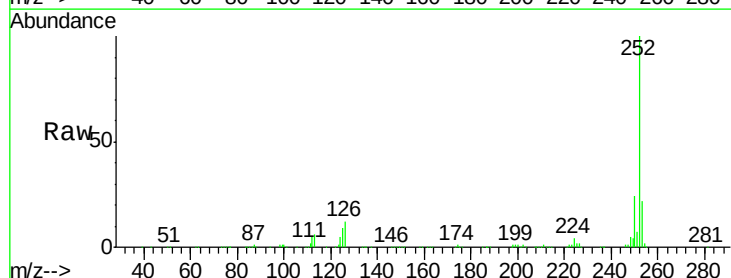
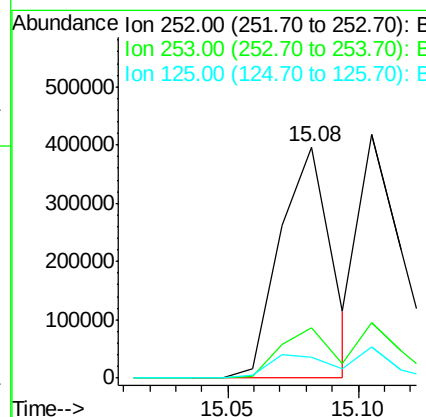
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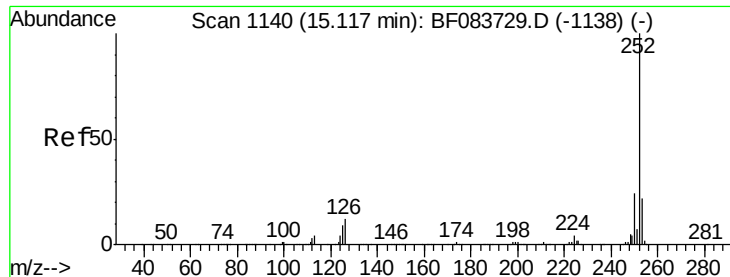
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 34.03 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	9.1	8.2	12.4





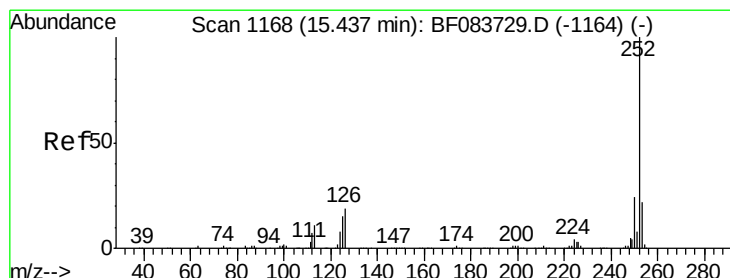
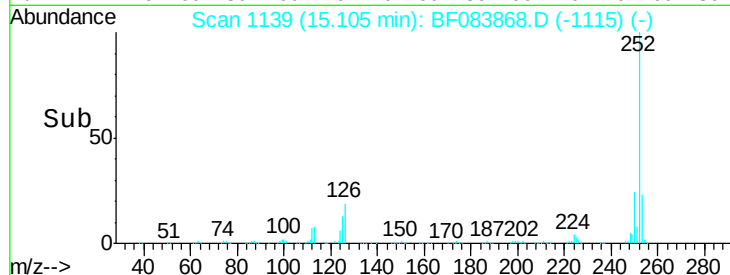
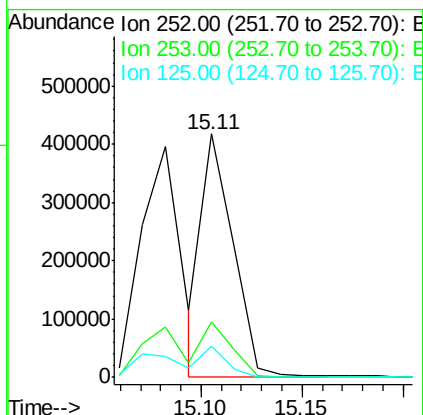
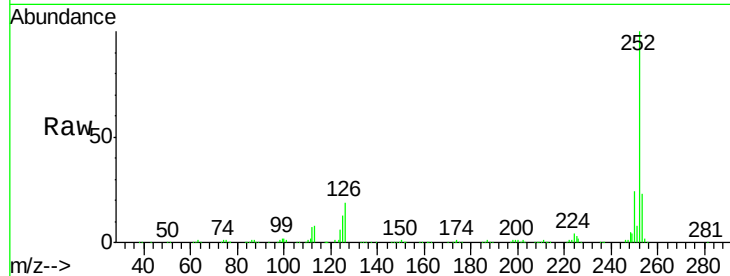
#88
Benzo(k)fluoranthene
Concen: 31.69 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	13.0	11.5	17.3

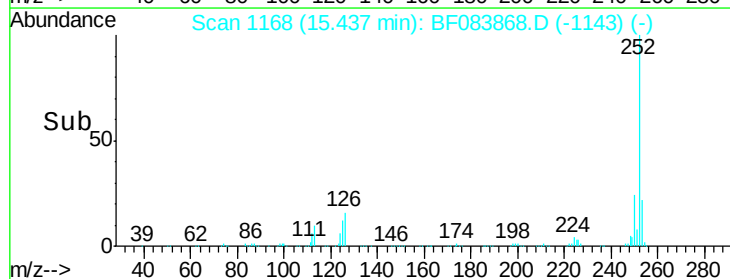
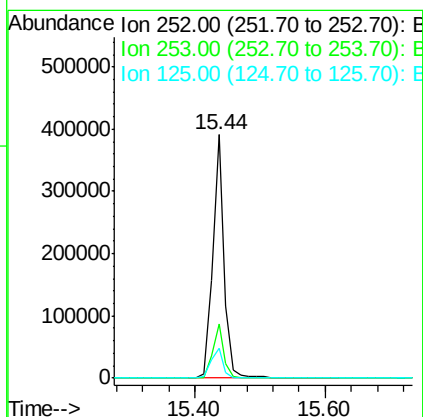
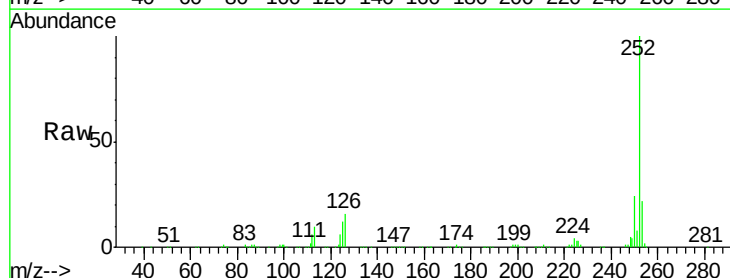
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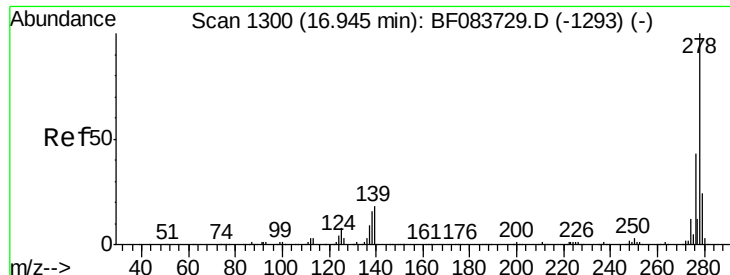
MMdadoda
12/17/2015 5:35:02 PM



#89
Benzo(a)pyrene
Concen: 34.08 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.1	11.0	16.6





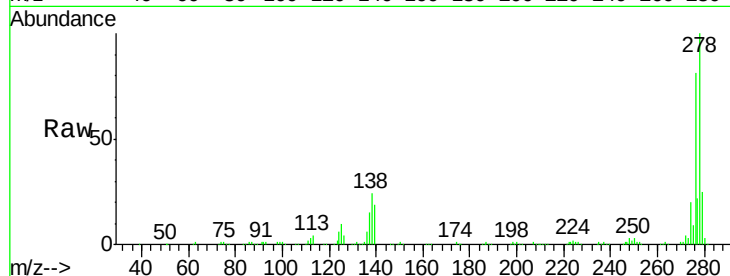
#90
Dibenzo(a,h)anthracene
Concen: 33.30 ng
RT: 16.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-A-20150872MS

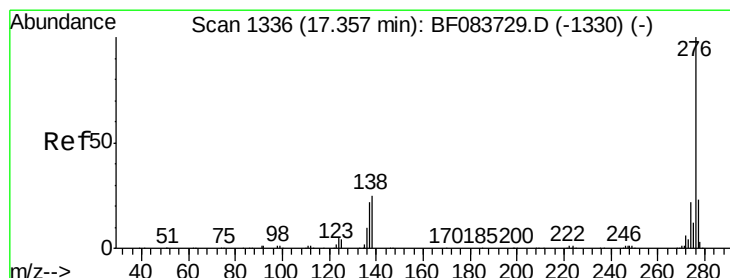
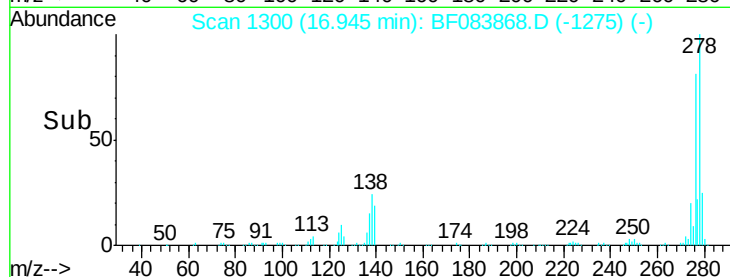
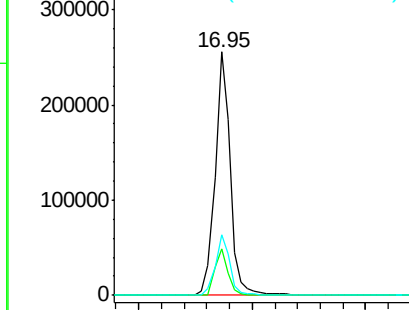
Tot Ion	Ratio	Lower	Upper
278	100		
139	19.2	12.8	19.2
279	24.6	18.6	28.0

Manual Integrations
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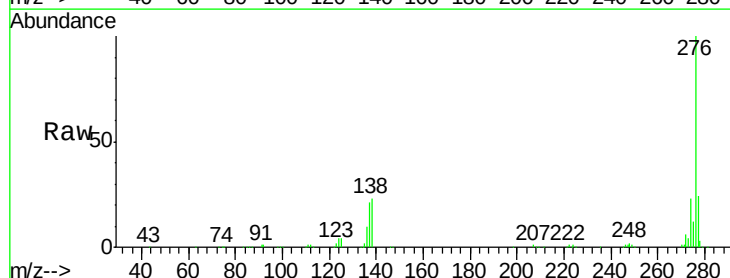


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 32.98 ng
RT: 17.37 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083868.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	23.5	19.5	29.3



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

