

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082322.D
 Acq On : 16 Oct 2015 13:17
 Operator : UM/IZ
 Sample : PB86109BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 5:32:04 PM

Quant Time: Oct 17 01:21:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	69683	20.00	ng	0.01
21) Naphthalene-d8	8.14	136	276897	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	143855	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	303278	20.00	ng	0.01
75) Chrysene-d12	14.09	240	303002	20.00	ng	0.02
86) Perylene-d12	15.66	264	264516	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	406302	117.68	ng	0.02
7) Phenol-d6	6.49	99	531217	118.23	ng	0.01
23) Nitrobenzene-d5	7.42	82	328192	79.60	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	168790	125.11	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	673583	77.65	ng	0.00
78) Terphenyl-d14	12.97	244	934822	81.76	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	49489	28.53	ng	92
3) Pyridine	3.19	79	136407	33.81	ng	98
4) n-Nitrosodimethylamine	3.13	42	59018	34.49	ng	95
6) Aniline	6.51	93	141549	24.43	ng	# 82
8) 2-Chlorophenol	6.64	128	157055	37.26	ng	98
9) Benzaldehyde	6.40	77	62545	27.26	ng	94
10) Phenol	6.50	94	177446	34.25	ng	86
11) bis(2-Chloroethyl)ether	6.58	93	144565	33.00	ng	90
12) 1,3-Dichlorobenzene	6.79	146	183935	37.47	ng	97
13) 1,4-Dichlorobenzene	6.87	146	183056	35.71	ng	97
14) 1,2-Dichlorobenzene	7.02	146	174701	35.89	ng	97
15) Benzyl Alcohol	6.99	79	123741	39.89	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	226109	37.06	ng	98
17) 2-Methylphenol	7.12	107	126241	37.88	ng	97
18) Hexachloroethane	7.36	117	62450	35.59	ng	91
19) n-Nitroso-di-n-propylamine	7.27	70	115346	36.56	ng	95
20) 3+4-Methylphenols	7.27	107	165166	41.58	ng	# 85
22) Acetophenone	7.27	105	216443	39.52	ng	# 96
24) Nitrobenzene	7.44	77	168245	37.70	ng	90
25) Isophorone	7.68	82	306197	36.79	ng	# 93
26) 2-Nitrophenol	7.76	139	83143	37.31	ng	# 89
27) 2,4-Dimethylphenol	7.79	122	144524	40.25	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	175176	36.18	ng	97
29) 2,4-Dichlorophenol	8.00	162	155037	43.20	ng	98
30) 1,2,4-Trichlorobenzene	8.08	180	155487	37.58	ng	98
31) Naphthalene	8.16	128	485977	40.49	ng	100
32) Benzoic acid	7.92	122	95532	39.64	ng	96
33) 4-Chloroaniline	8.22	127	72241	14.49	ng	95
34) Hexachlorobutadiene	8.27	225	94957	36.84	ng	97
35) Caprolactam	8.58	113	47269	45.38	ng	# 78
36) 4-Chloro-3-methylphenol	8.71	107	155949	44.43	ng	# 84
37) 2-Methylnaphthalene	8.85	142	311018	37.38	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	170228	39.78	ng	97
40) Hexachlorocyclopentadiene	8.99	237	109885	53.79	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	110030	38.72	nq	98
43) 2,4,5-Trichlorophenol	9.18	196	125906	40.90	nq	# 95
45) 1,1'-Biphenyl	9.31	154	422412	38.51	nq	98
46) 2-Chloronaphthalene	9.34	162	315829	36.57	nq	# 93
47) 2-Nitroaniline	9.44	65	96388	40.66	nq	99
48) Acenaphthylene	9.76	152	549089	40.82	nq	99
49) Dimethylphthalate	9.62	163	416827	41.15	nq	98
50) 2,6-Dinitrotoluene	9.68	165	82675	38.68	nq	# 65
51) Acenaphthene	9.93	154	314437	38.94	nq	98
52) 3-Nitroaniline	9.85	138	53953	22.35	nq	# 78
53) 2,4-Dinitrophenol	9.97	184	104478	86.88	nq	96
54) Dibenzofuran	10.10	168	496597	44.79	nq	96
55) 4-Nitrophenol	10.03	139	128762	77.97	nq	94
56) 2,4-Dinitrotoluene	10.09	165	132949	49.77	nq	90
57) Fluorene	10.45	166	404239	44.39	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.22	232	105109	41.79	nq	98
59) Diethylphthalate	10.32	149	428139	45.34	nq	99
60) 4-Chlorophenyl-phenylether	10.43	204	186123	44.62	nq	92
61) 4-Nitroaniline	10.47	138	99342	42.42	nq	89
62) Azobenzene	10.59	77	409069	44.26	nq	95
64) 4,6-Dinitro-2-methylphenol	10.50	198	67619	39.73	nq	87
65) n-Nitrosodiphenylamine	10.56	169	357497	39.37	nq	99
66) 4-Bromophenyl-phenylether	10.93	248	120395	39.67	nq	# 91
67) Hexachlorobenzene	10.98	284	123768	37.71	nq	# 63
68) Atrazine	11.09	200	122434	42.56	nq	98
69) Pentachlorophenol	11.19	266	144885	85.78	nq	98
70) Phenanthrene	11.41	178	635883	42.78	nq	99
71) Anthracene	11.46	178	628286	41.02	nq	99
72) Carbazole	11.61	167	573877	41.07	nq	100
73) Di-n-butylphthalate	11.94	149	707206	41.02	nq	99
74) Fluoranthene	12.60	202	677892	42.46	nq	99
76) Benzidine	12.72	184	201670	22.97	nq	99
77) Pyrene	12.82	202	667240	37.11	nq	98
79) Butylbenzylphthalate	13.46	149	311248	37.93	nq	# 84
80) Benzo(a)anthracene	14.07	228	631796	40.08	nq	99
81) 3,3'-Dichlorobenzidine	14.04	252	161855	27.05	nq	99
82) Chrysene	14.12	228	626430	37.71	nq	99
83) Bis(2-ethylhexyl)phthalate	14.06	149	412498	35.23	nq	# 97
84) Di-n-octyl phthalate	14.77	149	708982	35.26	nq	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	553747	41.94	nq	100
87) Benzo(b)fluoranthene	15.24	252	712655m	44.28	nq	
88) Benzo(k)fluoranthene	15.27	252	456593m	33.76	nq	
89) Benzo(a)pyrene	15.60	252	564357	40.81	nq	99
90) Dibenzo(a,h)anthracene	17.13	278	468686	41.35	nq	98
91) Benzo(g,h,i)perylene	17.56	276	468582	42.56	nq	99

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

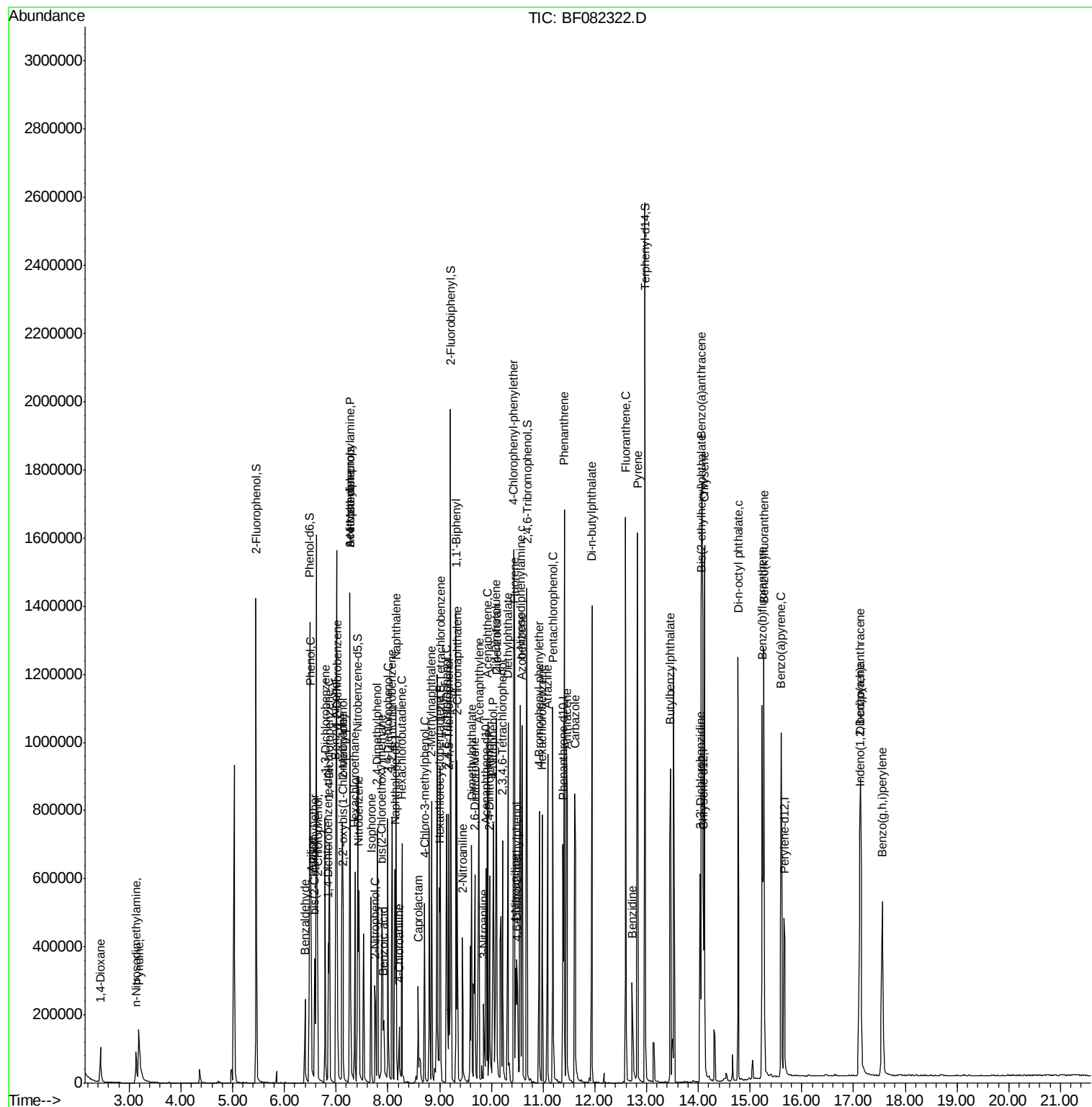
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082322.D
Acq On : 16 Oct 2015 13:17
Operator : UM/IZ
Sample : PB86109BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

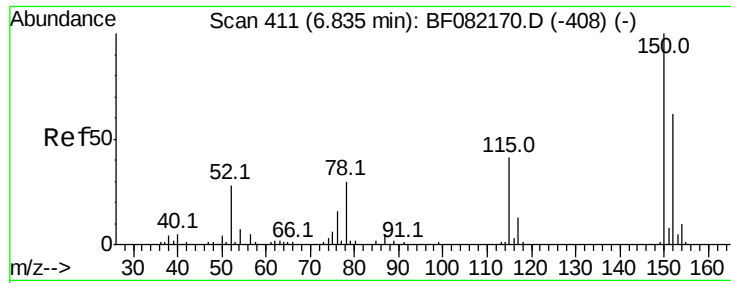
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#1

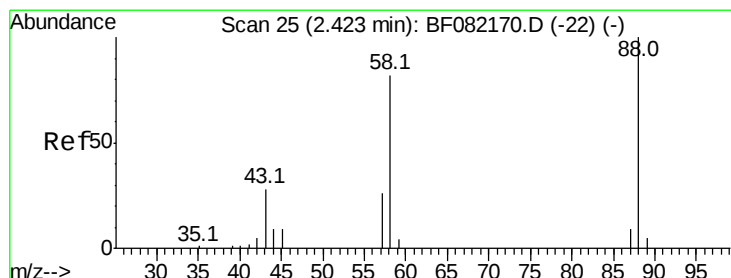
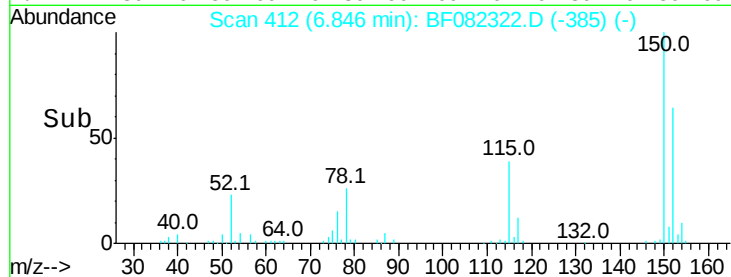
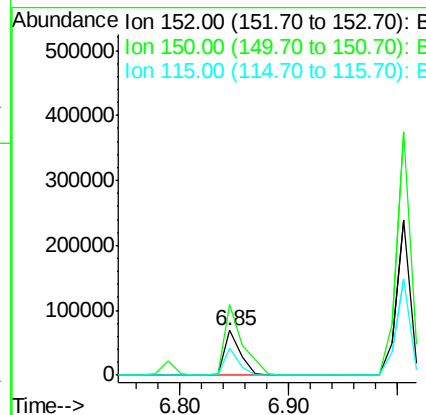
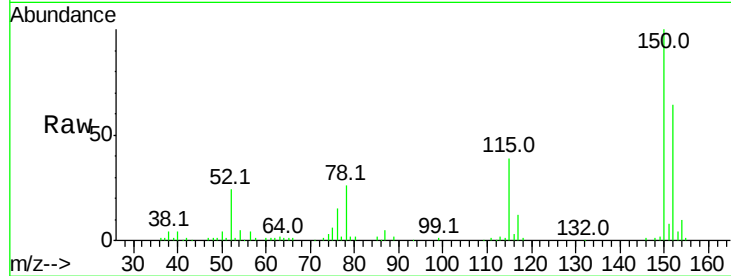
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	129.0	193.4
115	61.0	52.1	78.1

Manual Integrations
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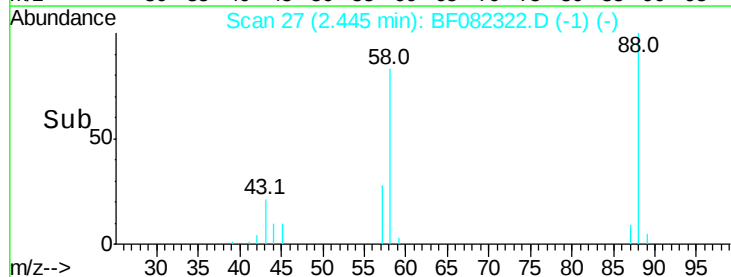
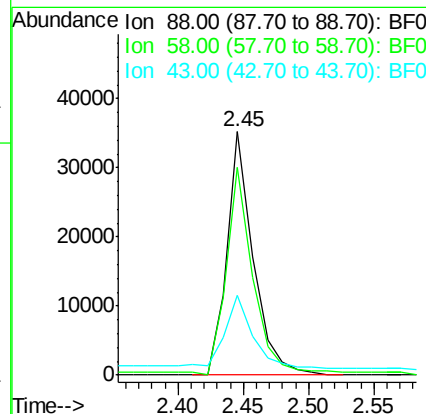
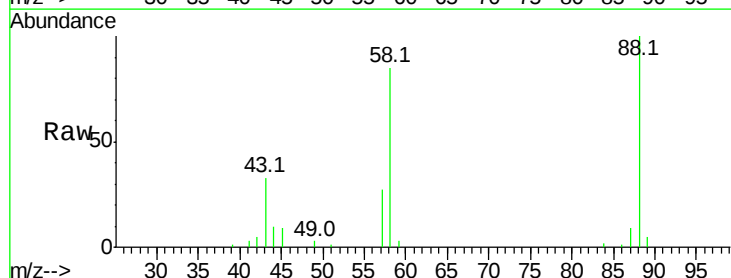
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10/19/2015 5:32:04 PM

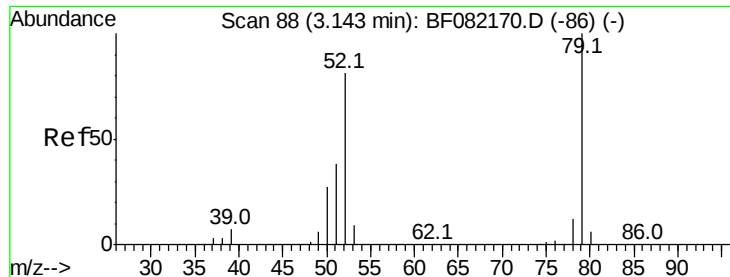


#2

1,4-Dioxane
Concen: 28.53 ng
RT: 2.45 min Scan# 27
Delta R.T. 0.09 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.0	66.2	99.4
43	32.8	23.0	34.4





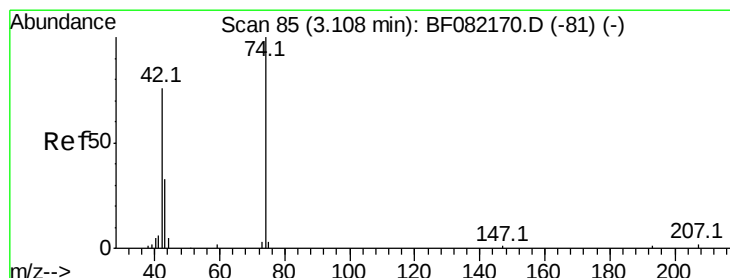
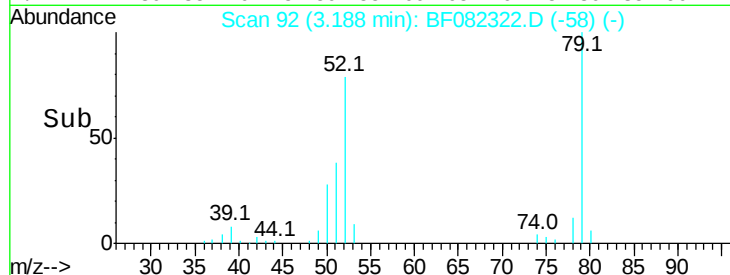
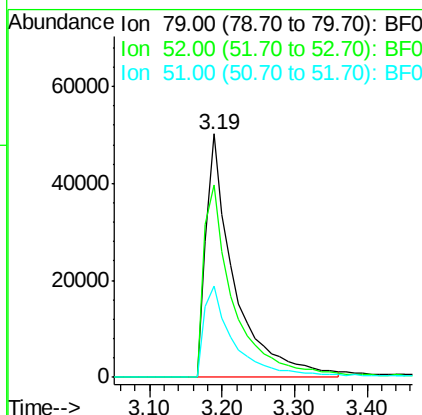
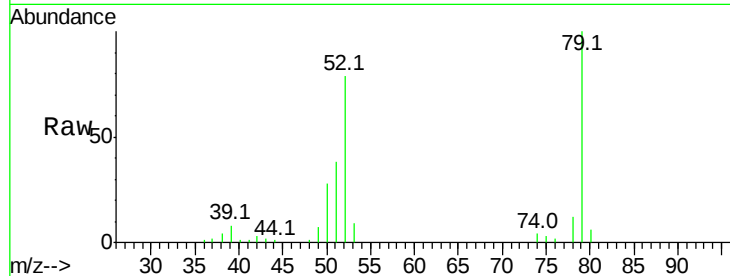
#3
 Pvridine
 Concen: 33.81 ng
 RT: 3.19 min Scan# 92
 Delta R.T. 0.09 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	78.9	64.4	96.6
51	37.6	30.5	45.7

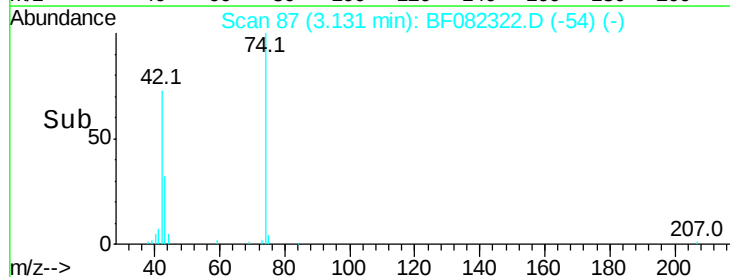
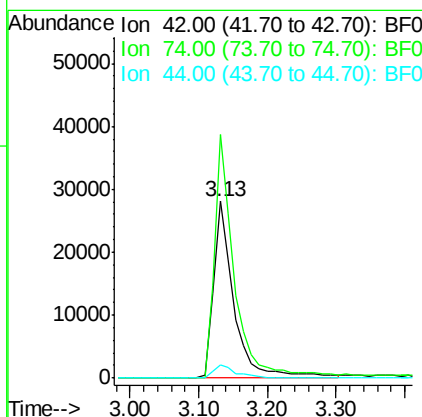
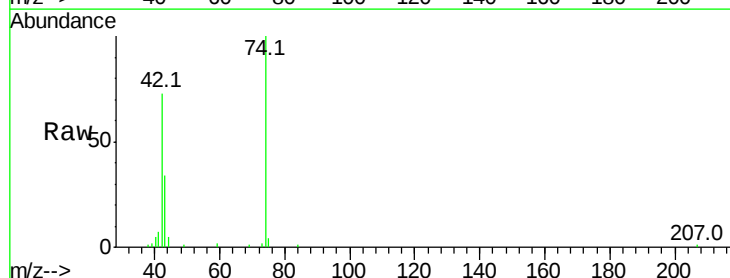
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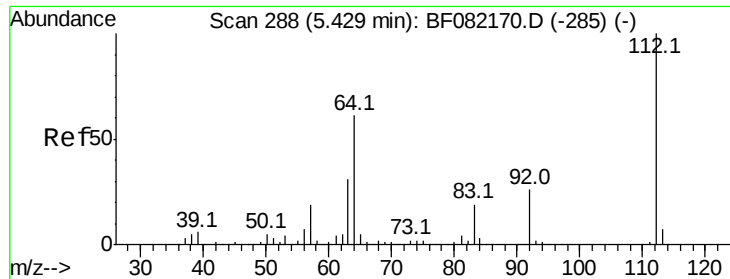
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#4
 n-Nitrosodimethylamine
 Concen: 34.49 ng
 RT: 3.13 min Scan# 87
 Delta R.T. 0.08 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	137.8	105.7	158.5
44	7.5	5.4	8.2





#5

2-Fluorophenol

Concen: 117.68 ng

RT: 5.45 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

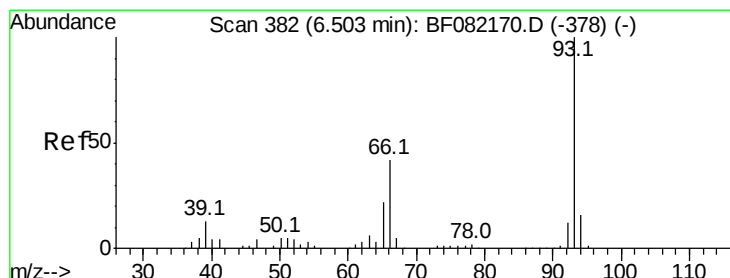
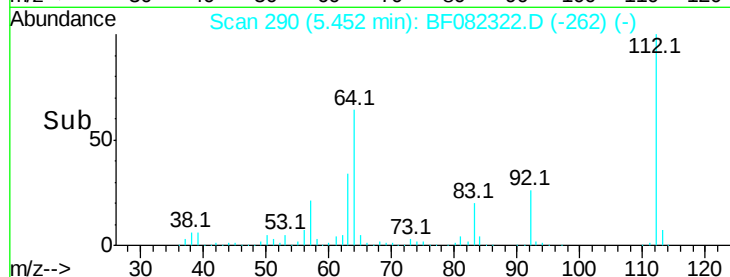
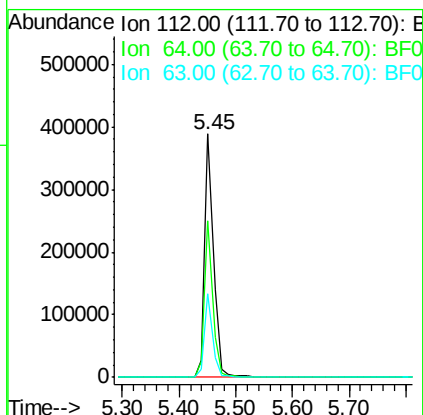
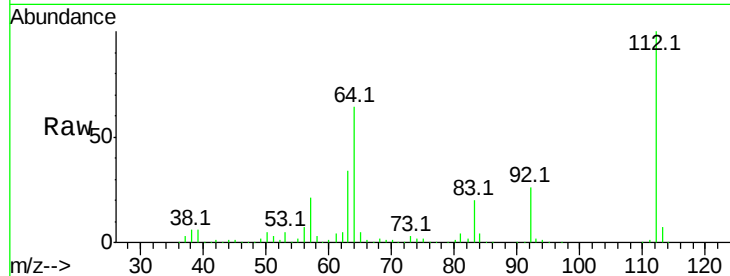
ClientSampleId :

PB86109BS

Tot Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	64.4	48.6	73.0
63	34.4	25.1	37.7

Manual Integrations
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#6

Aniline

Concen: 24.43 ng

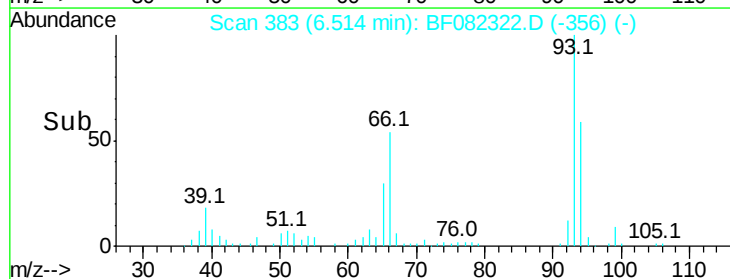
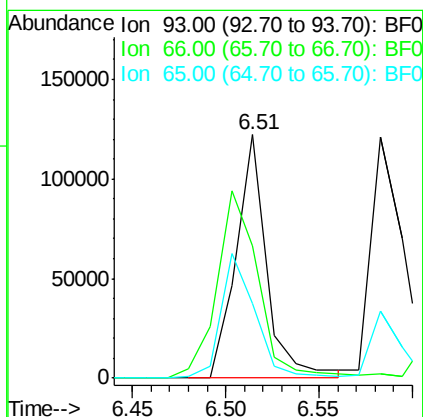
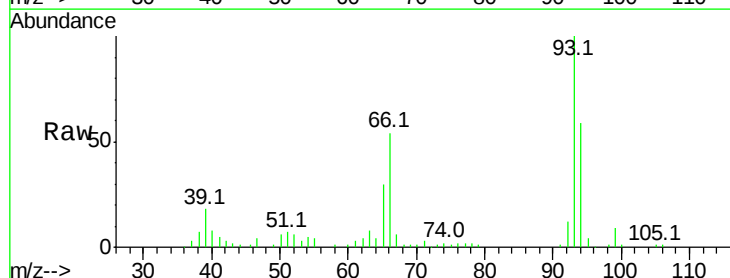
RT: 6.51 min Scan# 383

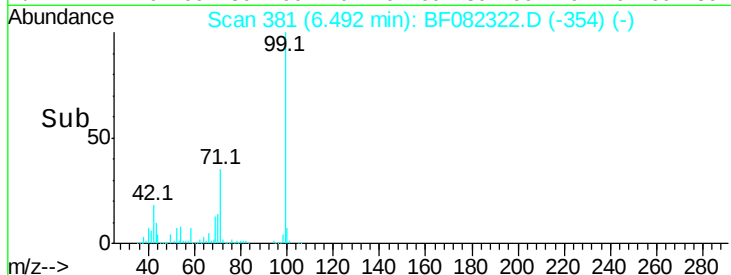
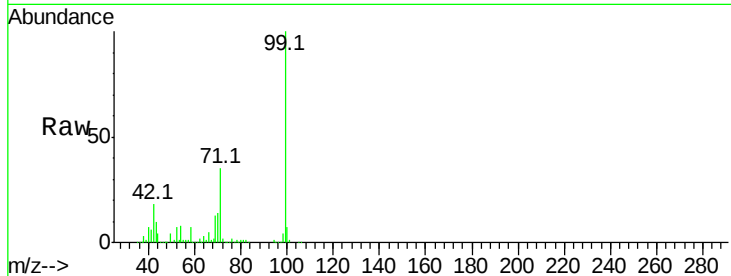
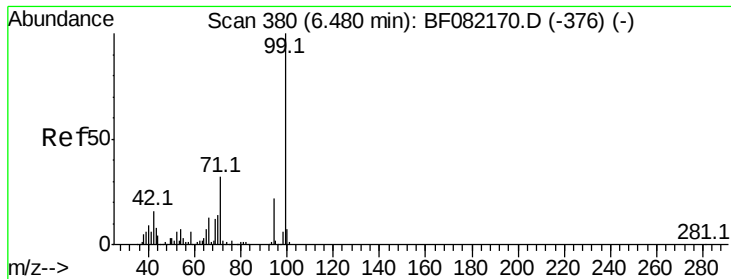
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	54.4	34.2	51.2#
65	30.4	17.9	26.9#





#7

Phenol-d6

Concen: 118.23 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tot Ion:	99	Resp:	531217
Ion Ratio	Lower	Upper	
99	100		
42	18.3	13.2	19.8
71	34.7	25.6	38.4

Instrument :

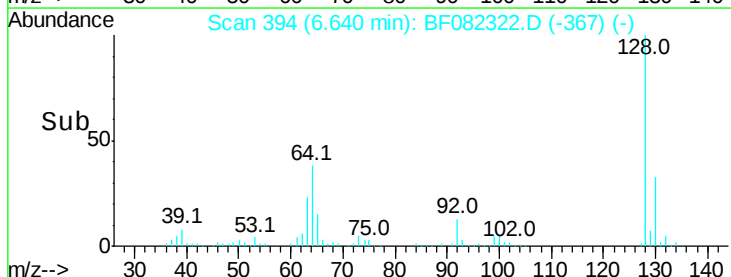
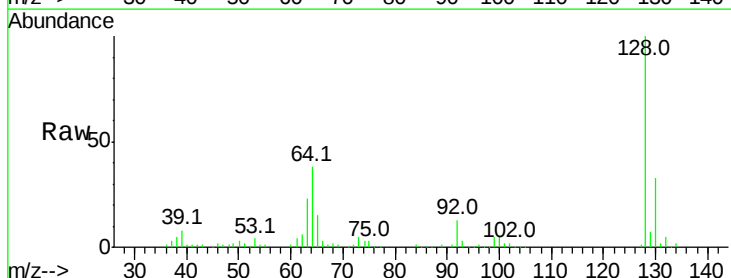
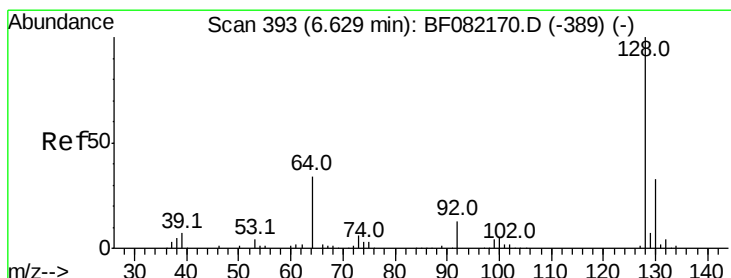
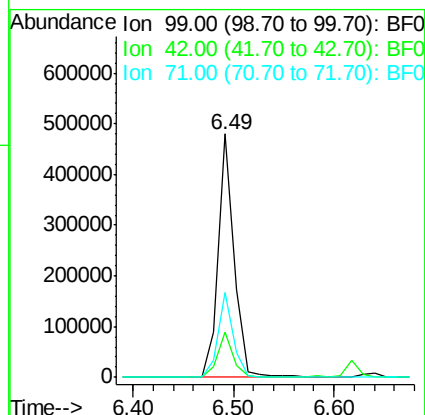
BNA_F

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#8

2-Chlorophenol

Concen: 37.26 ng

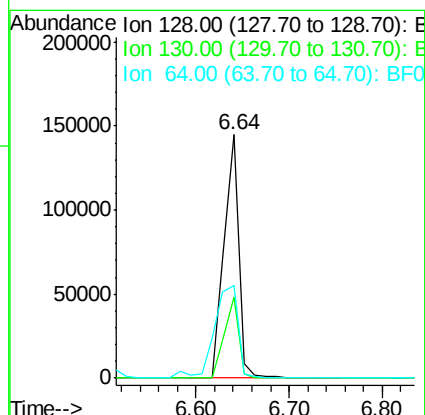
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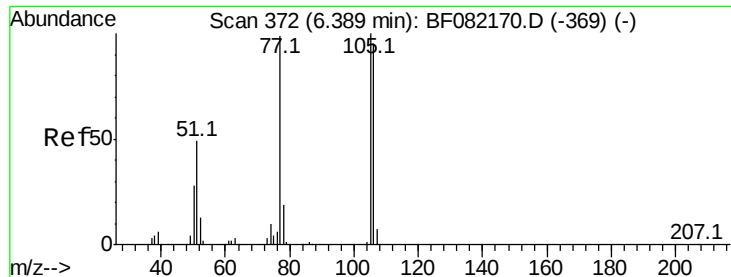
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	128	Resp:	157055
Ion Ratio	Lower	Upper	
128	100		
130	33.2	12.6	52.6
64	38.2	16.7	56.7





#9

Benzaldehyde

Concen: 27.26 ng

RT: 6.40 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

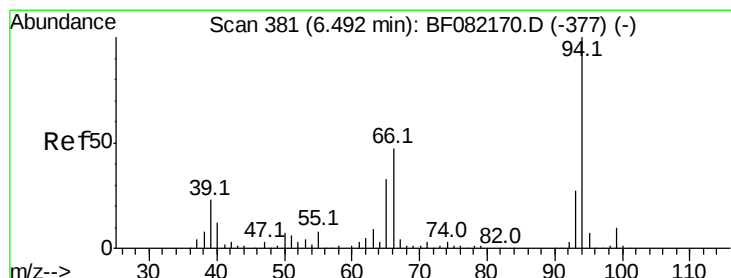
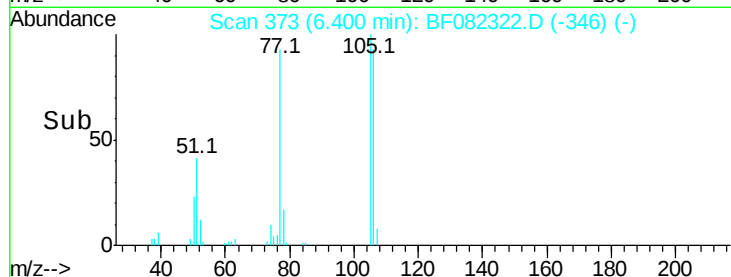
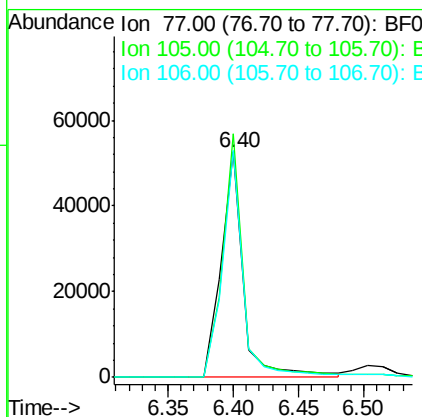
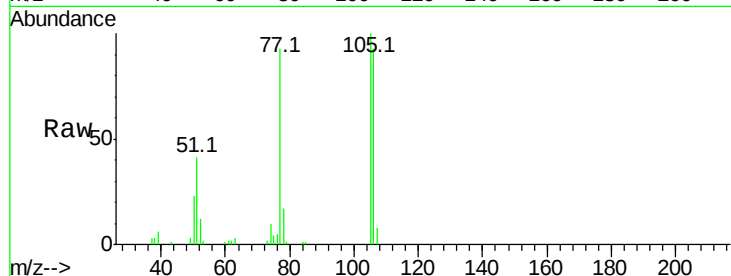
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
77	100		
105	107.9	80.6	120.6
106	100.7	75.5	115.5



#10

Phenol

Concen: 34.25 ng

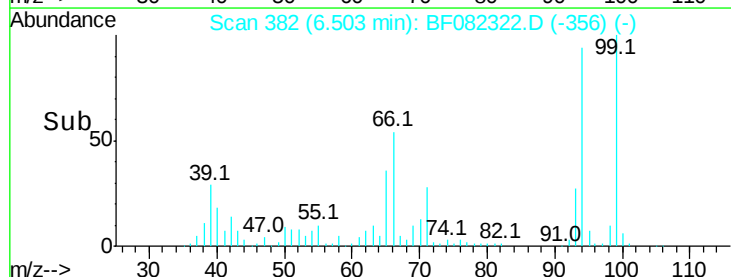
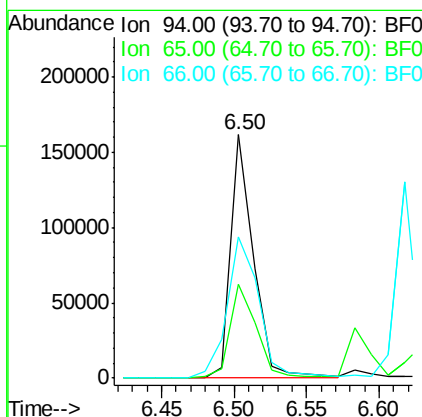
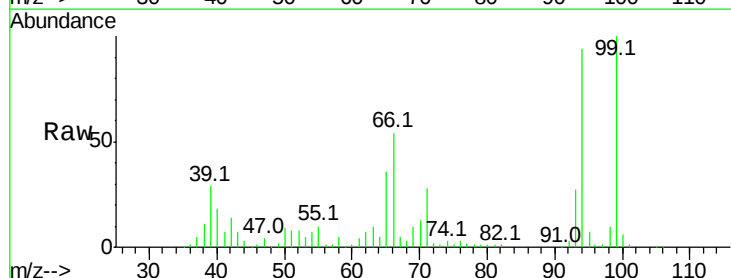
RT: 6.50 min Scan# 382

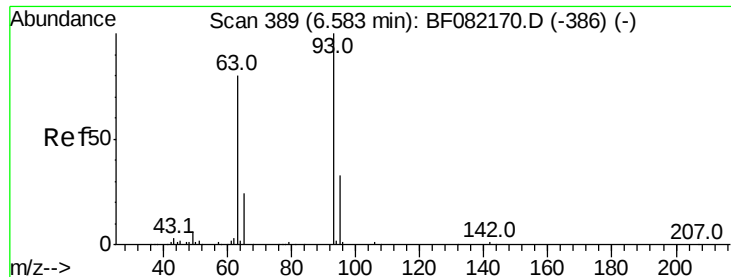
Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
94	100		
65	38.7	12.6	52.6
66	58.1	27.3	67.3





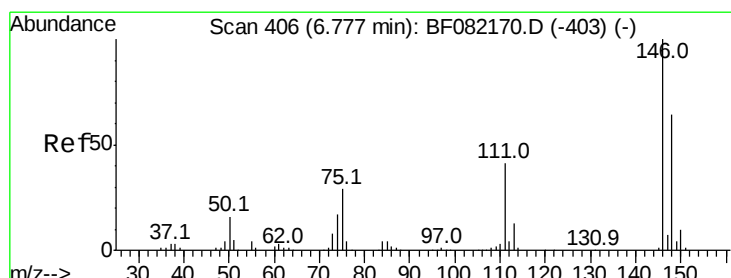
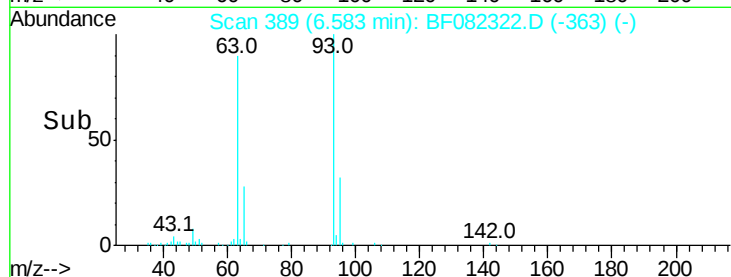
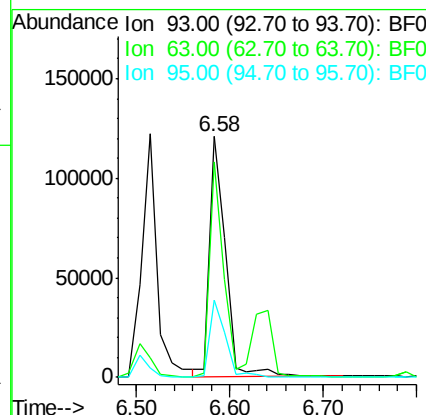
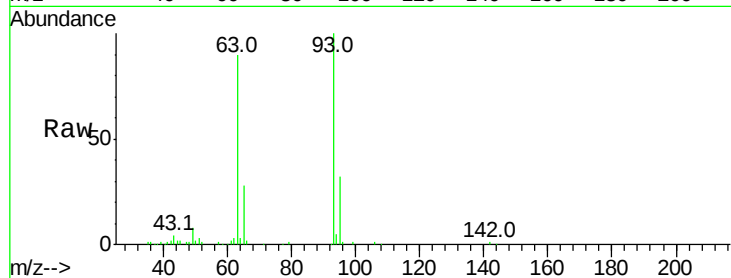
#11
bis(2-Chloroethyl)ether
Concen: 33.00 ng
RT: 6.58 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	144565		
63	89.6	57.1	97.1	
95	32.1	11.9	51.9	

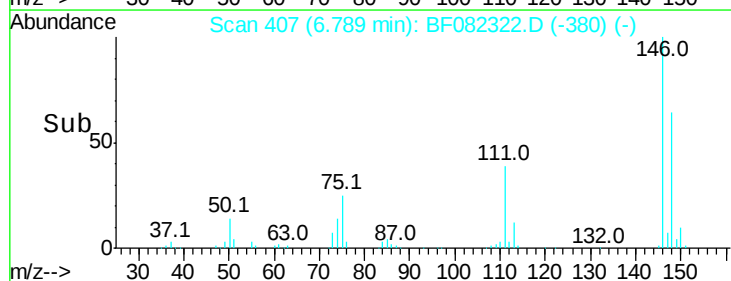
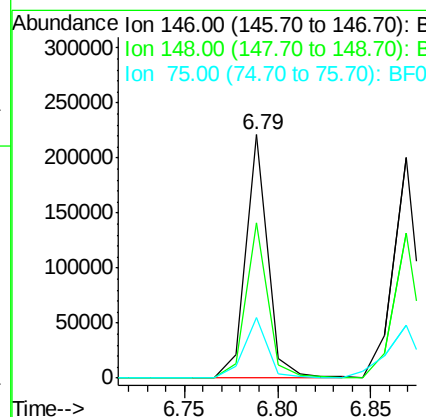
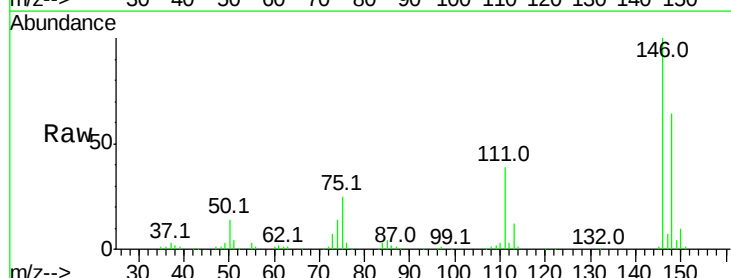
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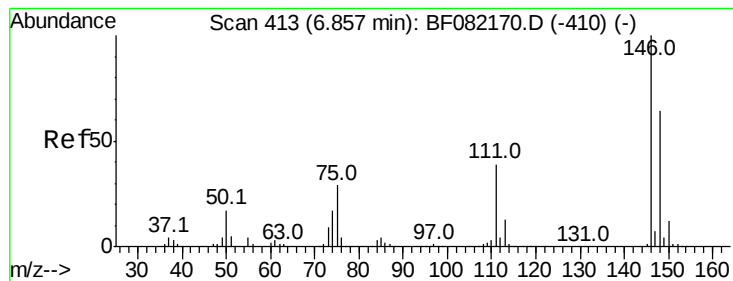
MMdadoda
10/19/2015 5:32:04 PM



#12
1,3-Dichlorobenzene
Concen: 37.47 ng
RT: 6.79 min Scan# 407
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183935		
148	63.8	51.4	77.2	
75	25.1	23.0	34.6	





#13

1,4-Dichlorobenzene

Concen: 35.71 ng

RT: 6.87 min Scan# 414

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

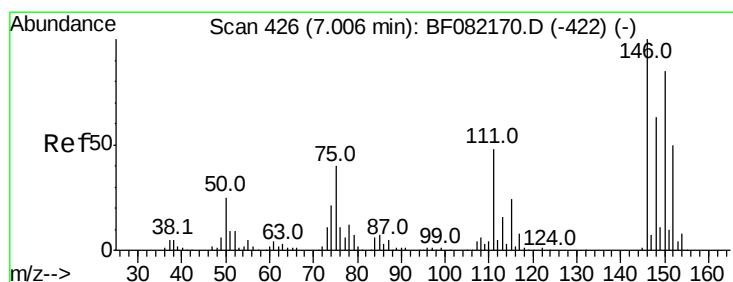
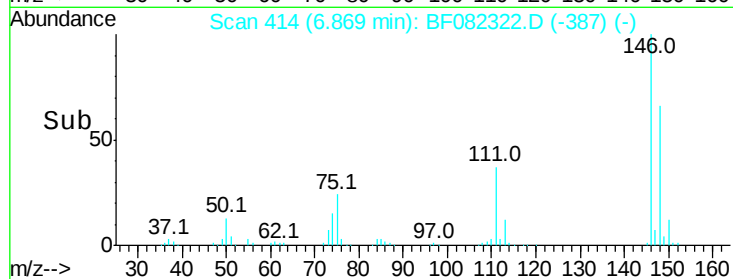
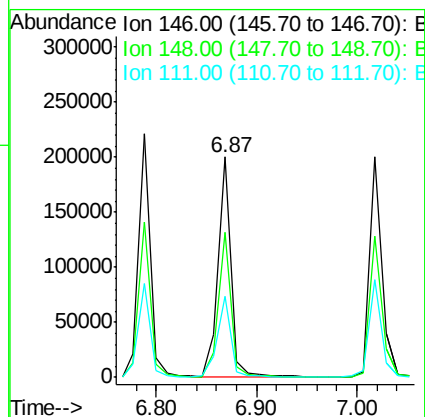
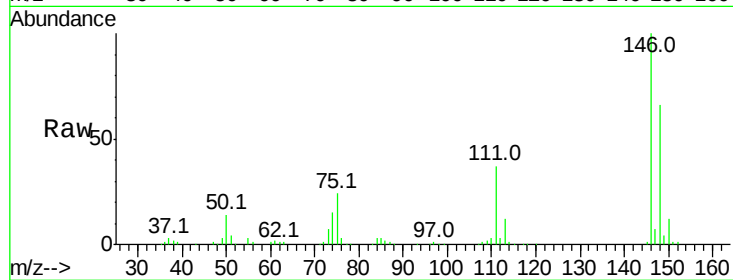
ClientSampleId :

PB86109BS

Tot Ion:	146	Resp:	183056
Ion Ratio	Lower	Upper	
146	100		
148	65.6	51.0	76.4
111	37.0	31.1	46.7

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 35.89 ng

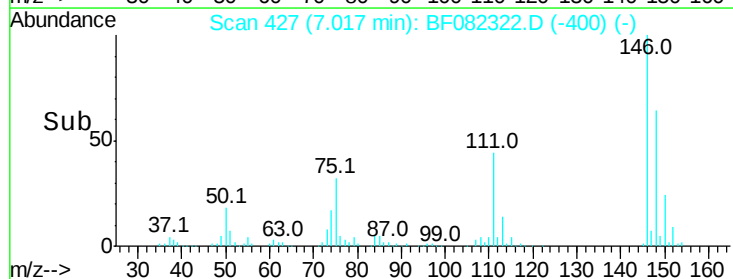
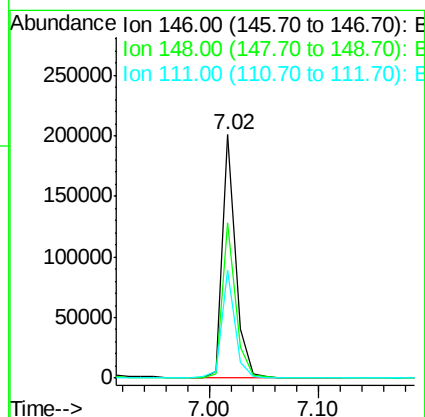
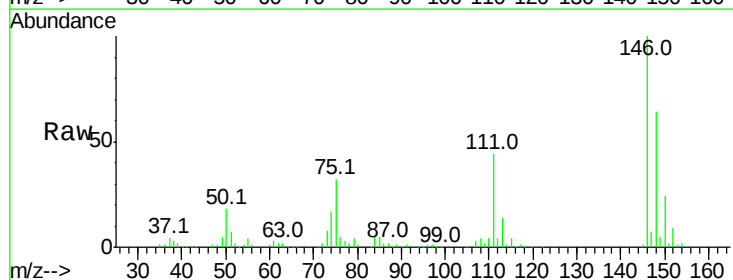
RT: 7.02 min Scan# 427

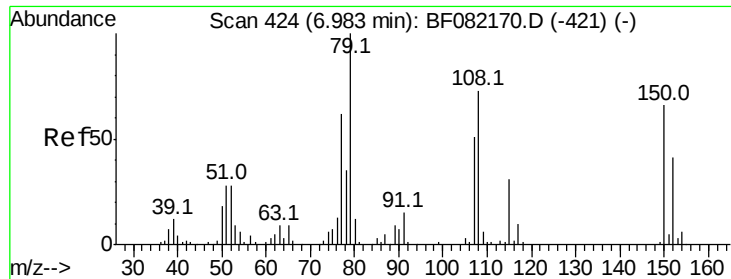
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	146	Resp:	174701
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.5	75.7
111	44.2	38.5	57.7





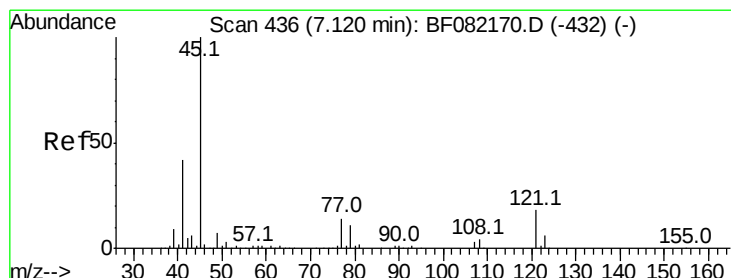
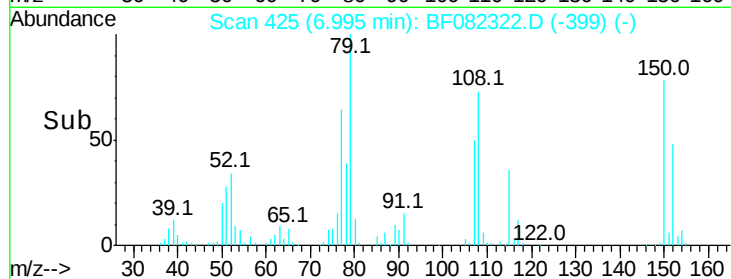
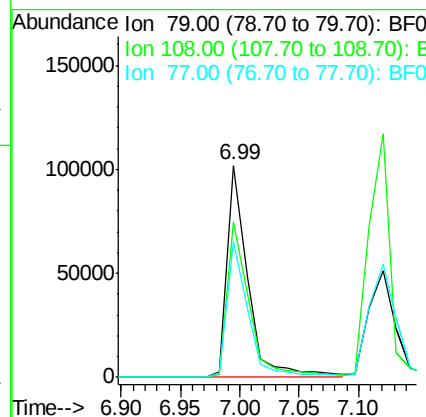
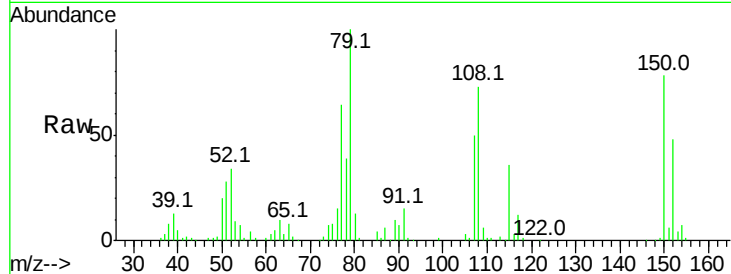
#15
Benzyl Alcohol
Concen: 39.89 ng
RT: 6.99 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.3	58.4	87.6
77	64.2	49.8	74.6

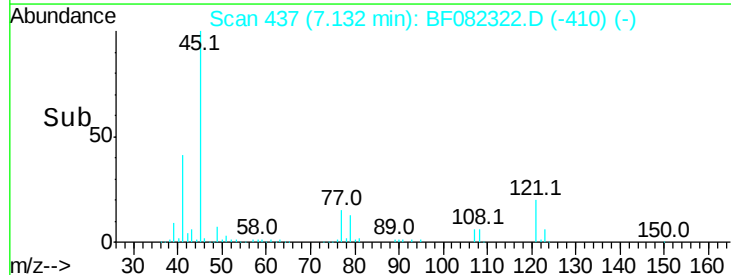
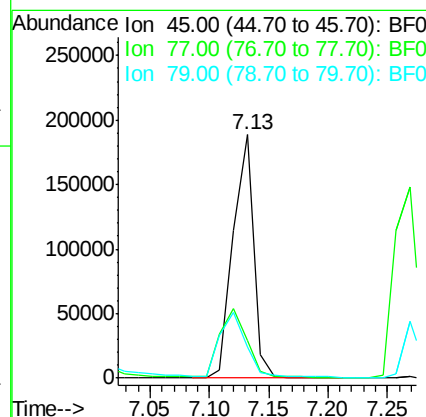
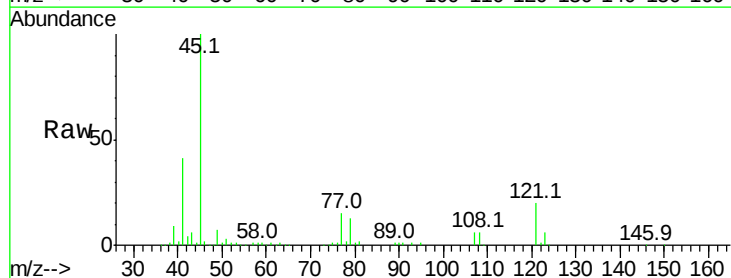
Manual Integrations
APPROVED

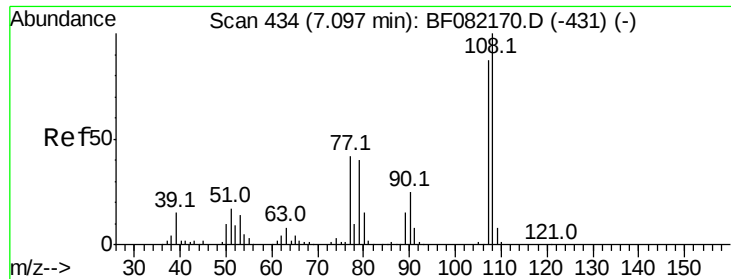
MMdadoda
10/19/2015 5:32:04 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.06 ng
RT: 7.13 min Scan# 437
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.5
79	12.5	0.0	31.6





#17

2-Methylphenol

Concen: 37.88 ng

RT: 7.12 min Scan# 436

Delta R.T. 0.01 min

Lab File: BF082322.D

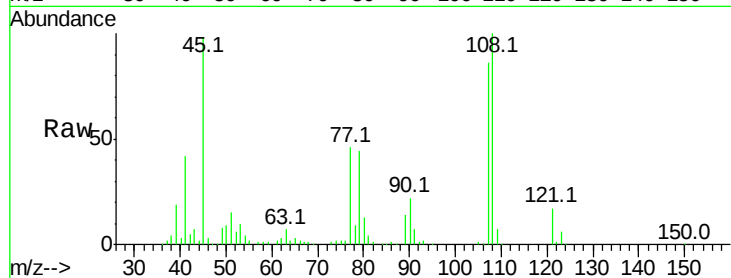
Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

ClientSampleId :

PB86109BS



Tot Ion:107 Resp: 126241

Ion Ratio Lower Upper

107 100

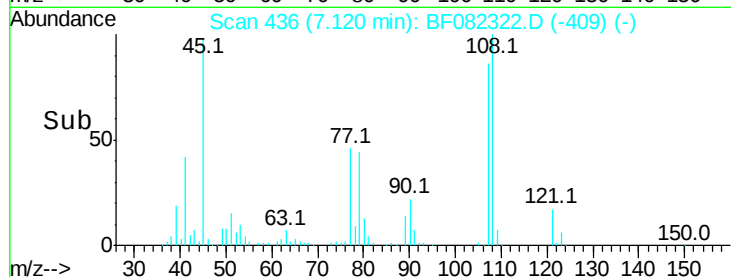
108 116.1 92.2 138.2

77 53.9 39.6 59.4

79 50.9 38.2 57.4

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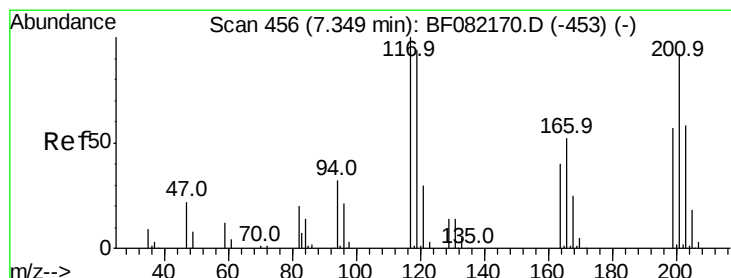
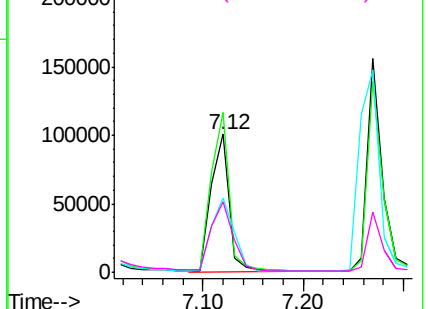


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

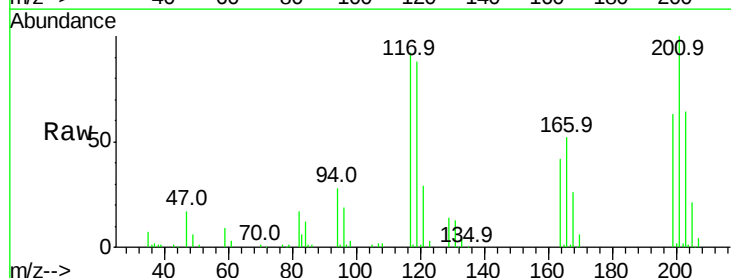
Concen: 35.59 ng

RT: 7.36 min Scan# 457

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17



Tgt Ion:117 Resp: 62450

Ion Ratio Lower Upper

117 100

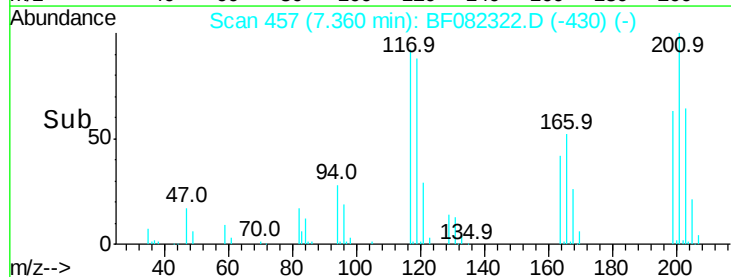
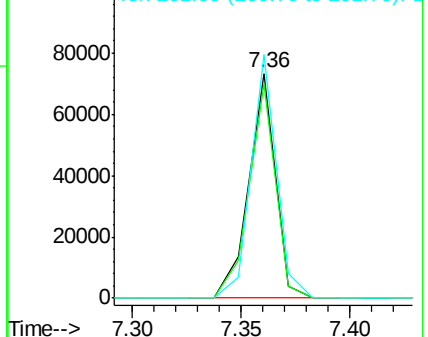
119 95.3 75.4 113.2

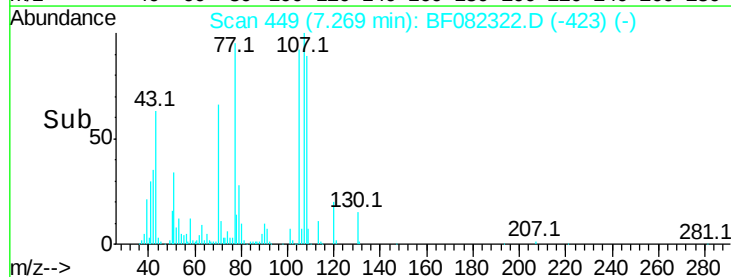
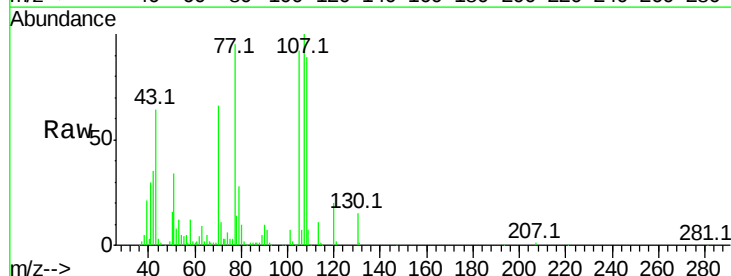
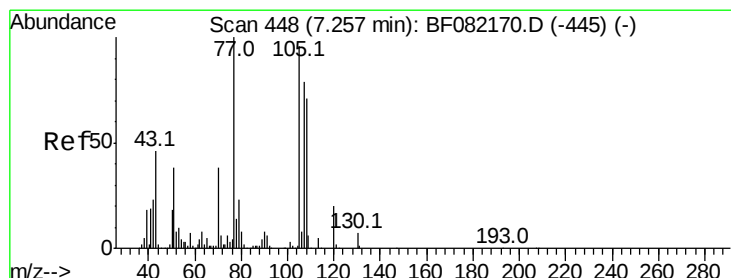
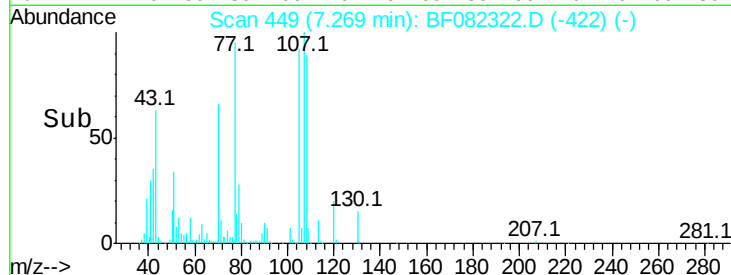
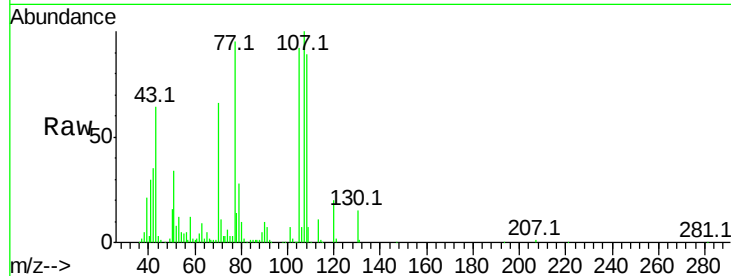
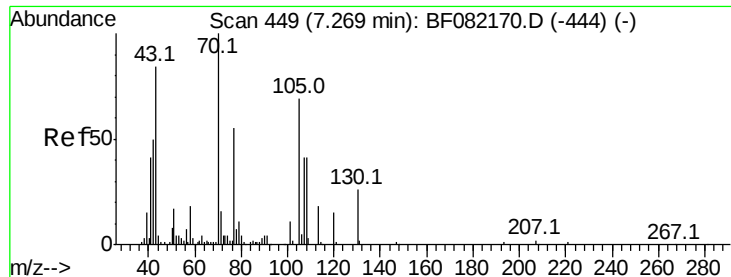
201 108.3 73.4 110.0

Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

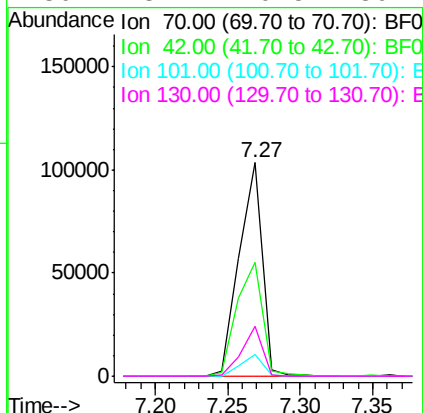
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 36.56 ng
RT: 7.27 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.2	39.8	59.8
101	10.3	8.6	13.0
130	23.1	20.5	30.7



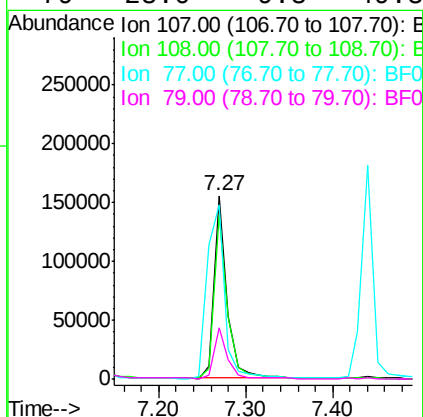
Instrument :
BNA_F
ClientSampleId :
PB86109BS

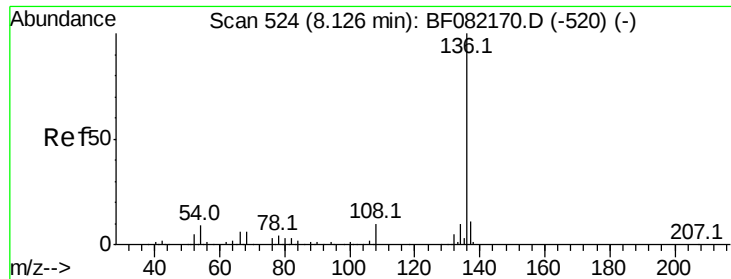
Manual Integrations
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MMdadoda
10/19/2015 5:32:04 PM

#20
3+4-Methylphenols
Concen: 41.58 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.9	109.9
77	94.9	106.0	146.0#
79	28.0	9.8	49.8





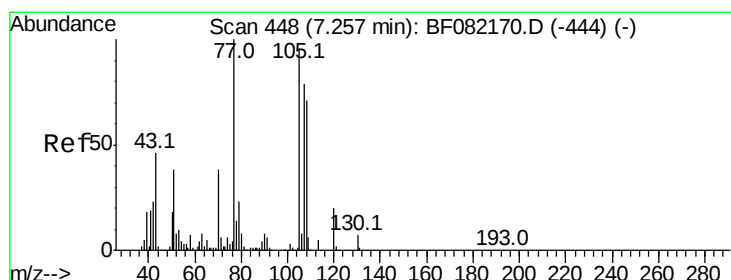
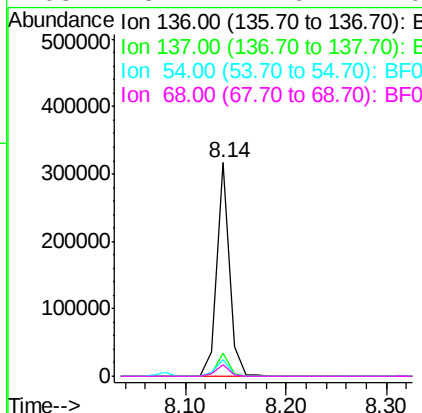
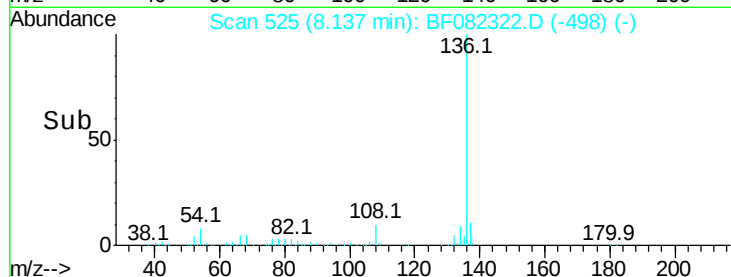
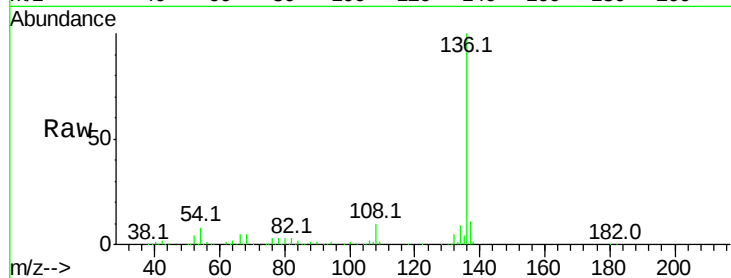
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	276897		
137	11.0		9.0	13.6
54	7.9		7.5	11.3
68	5.2		4.6	7.0

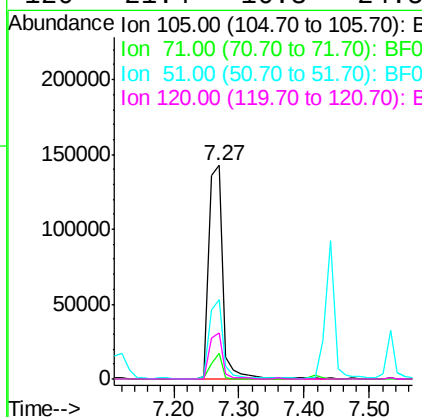
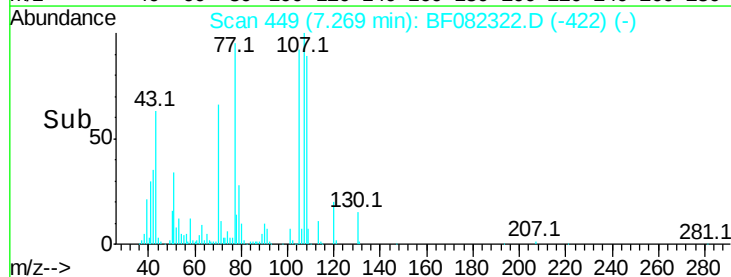
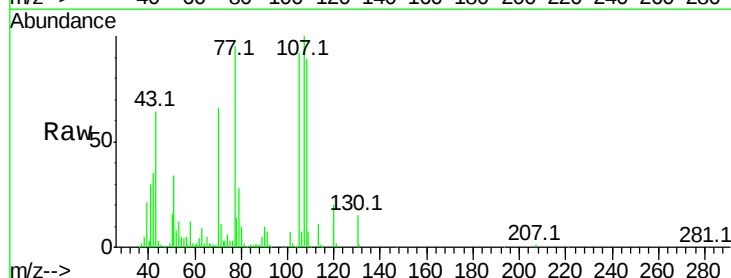
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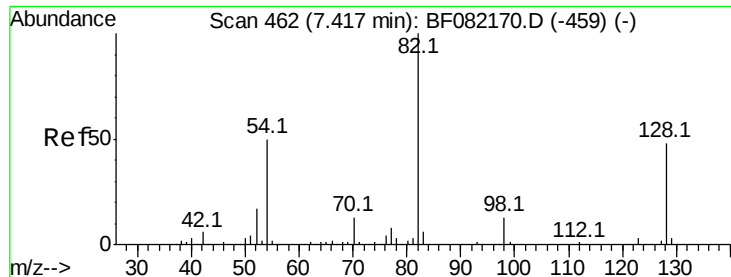
MMdadoda
10/19/2015 5:32:04 PM



#22
Acetophenone
Concen: 39.52 ng
RT: 7.27 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216443		
71	11.7		5.4	8.0#
51	37.2		31.8	47.6
120	21.4		16.3	24.5





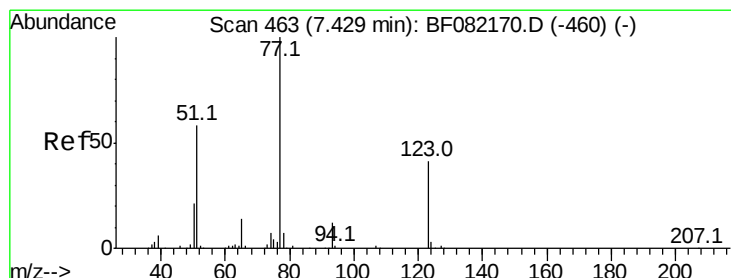
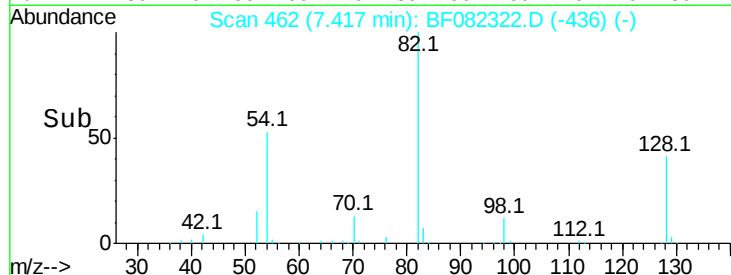
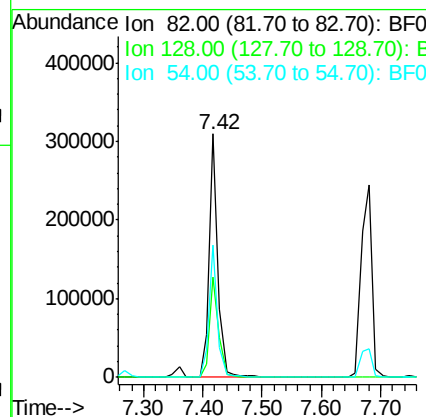
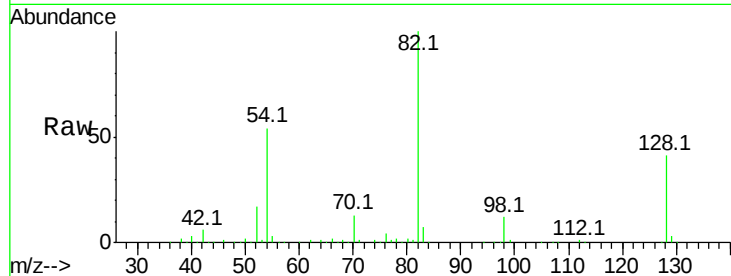
#23
 Nitrobenzene-d5
 Concen: 79.60 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.4	38.7	58.1	
54	54.1	40.1	60.1	

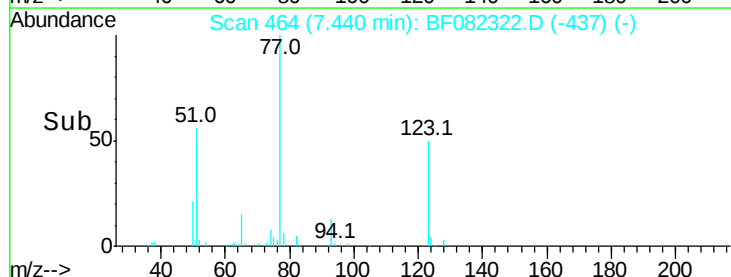
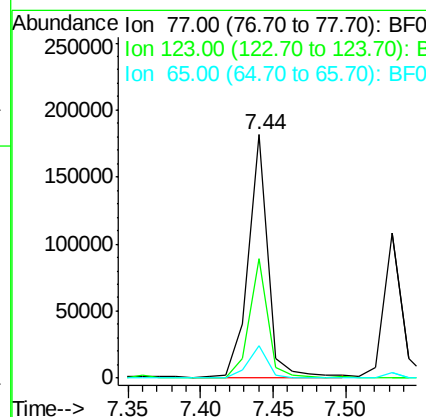
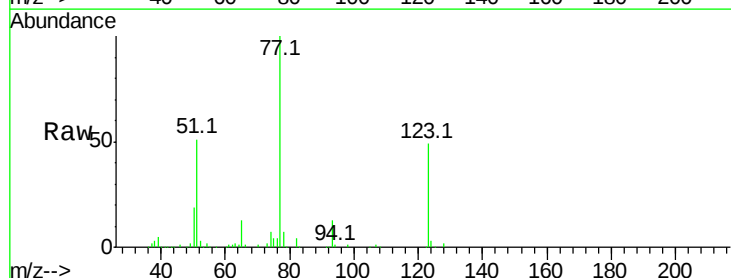
Manual Integrations
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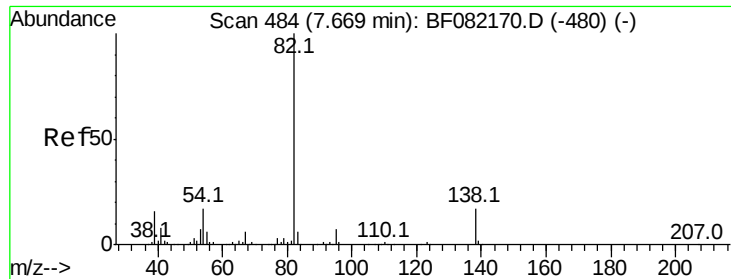
MMdadoda
 10/19/2015 5:32:04 PM



#24
 Nitrobenzene
 Concen: 37.70 ng
 RT: 7.44 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	48.8	33.0	49.4	
65	13.3	11.2	16.8	





#25

Isophorone

Concen: 36.79 ng

RT: 7.68 min Scan# 485

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

ClientSampleId :

PB86109BS

Tot Ion: 82 Resp: 306197

Ion Ratio Lower Upper

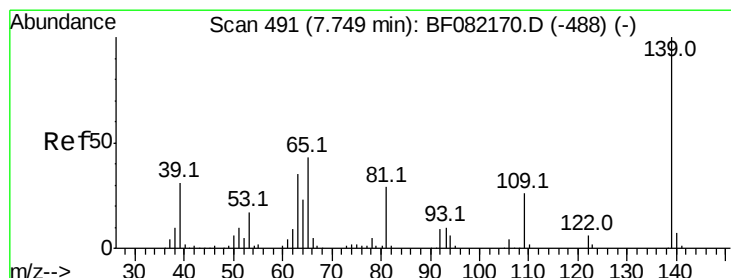
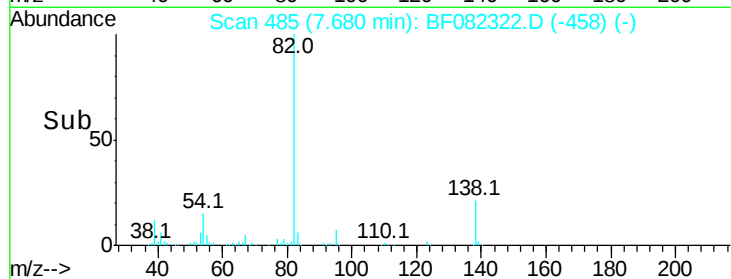
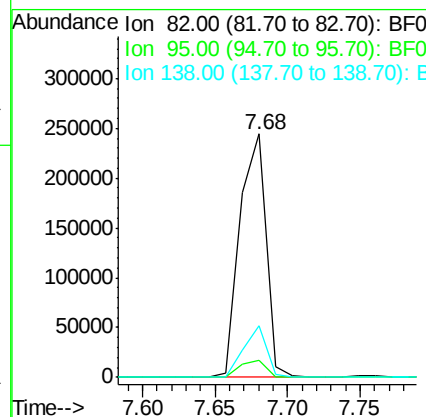
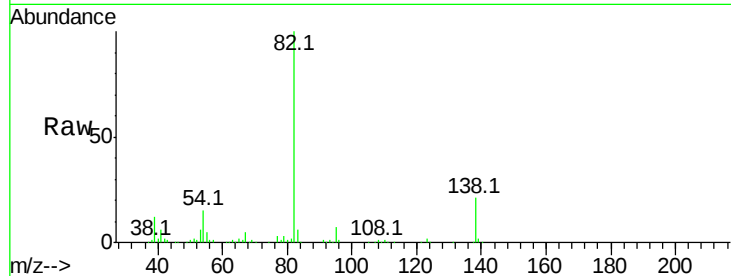
82 100

95 7.2 5.6 8.4

138 21.1 13.6 20.4#

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:04 PM



#26

2-Nitrophenol

Concen: 37.31 ng

RT: 7.76 min Scan# 492

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

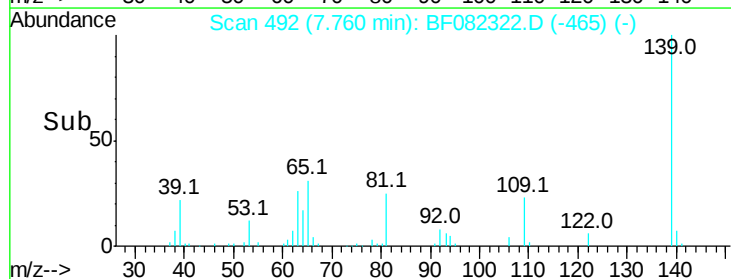
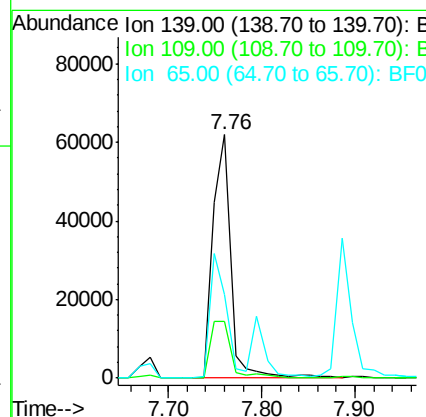
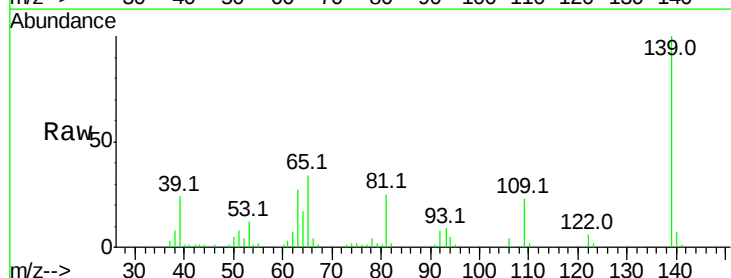
Tgt Ion: 139 Resp: 83143

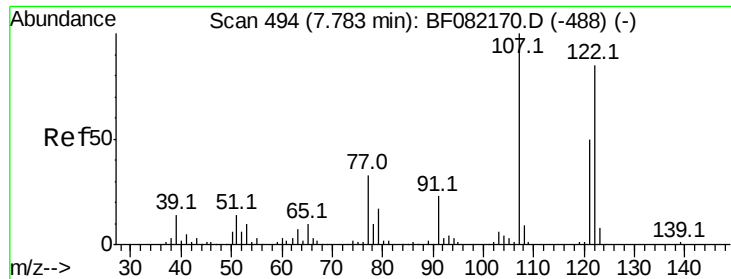
Ion Ratio Lower Upper

139 100

109 23.1 20.6 31.0

65 34.1 34.3 51.5#





#27

2,4-Dimethylphenol

Concen: 40.25 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

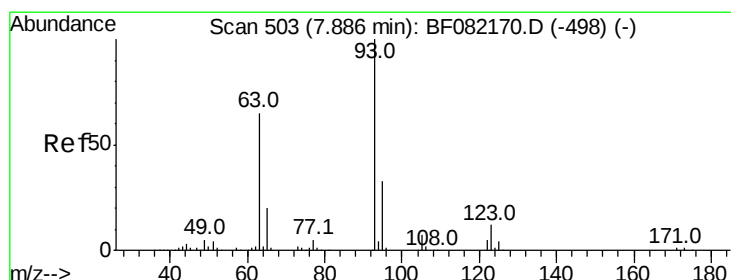
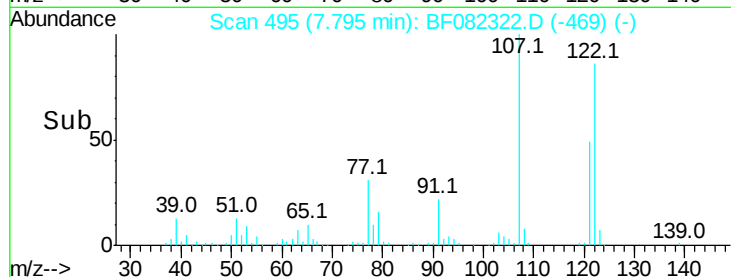
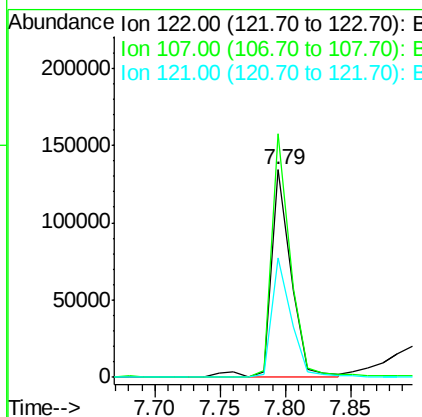
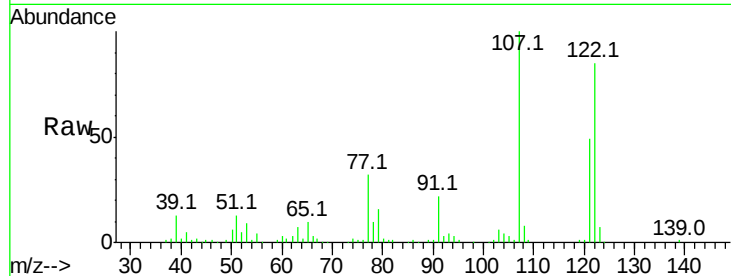
ClientSampleId :

PB86109BS

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Tot Ion:	122	Resp:	144524
Ion Ratio	Lower	Upper	
122	100		
107	117.3	94.0	141.0
121	57.6	46.8	70.2



#28

bis(2-Chloroethoxy)methane

Concen: 36.18 ng

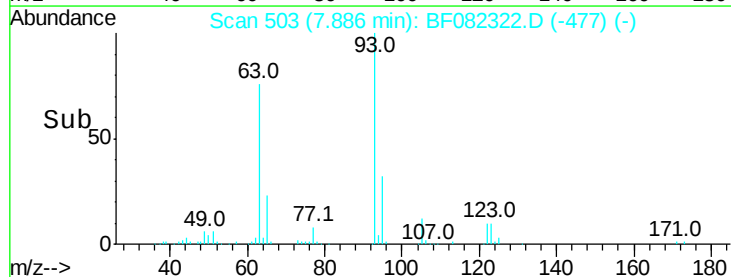
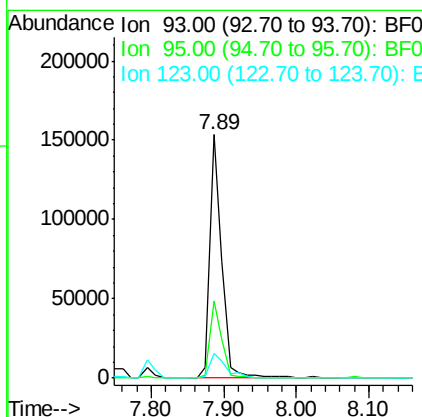
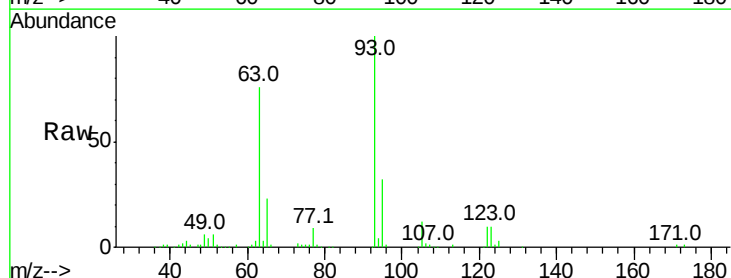
RT: 7.89 min Scan# 503

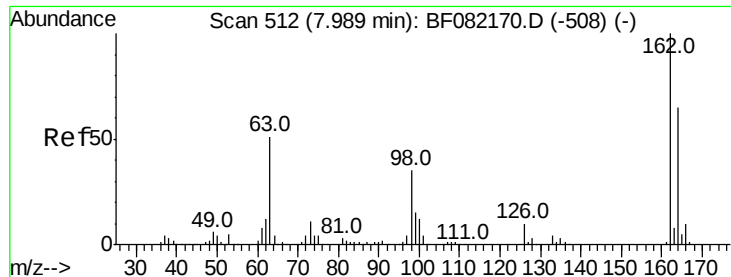
Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	93	Resp:	175176
Ion Ratio	Lower	Upper	
93	100		
95	31.8	26.6	39.8
123	10.3	9.5	14.3





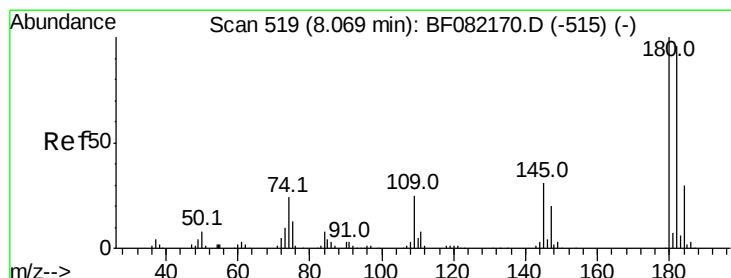
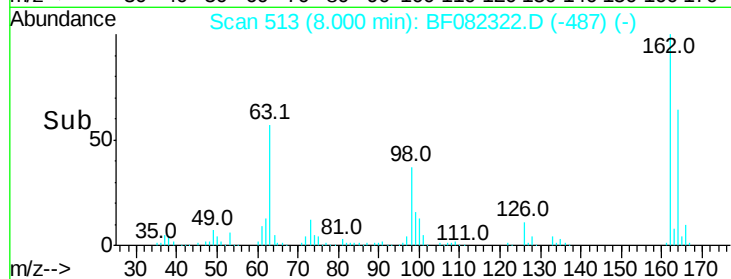
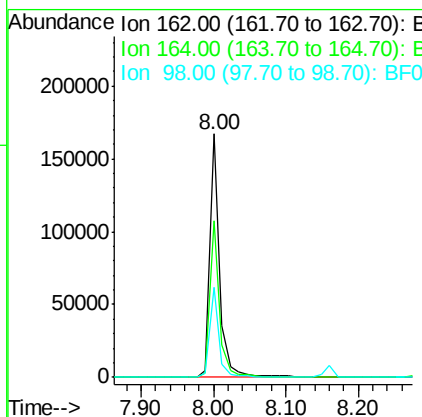
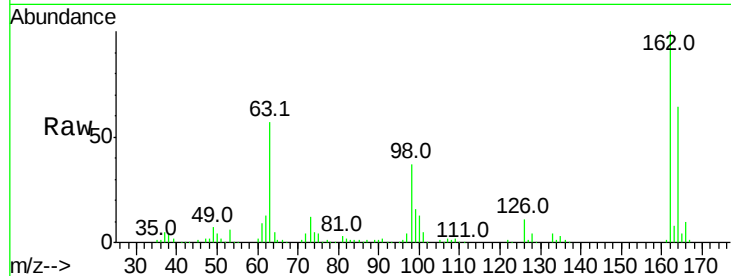
#29
2,4-Dichlorophenol
Concen: 43.20 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.1	44.6	84.6
98	36.9	15.0	55.0

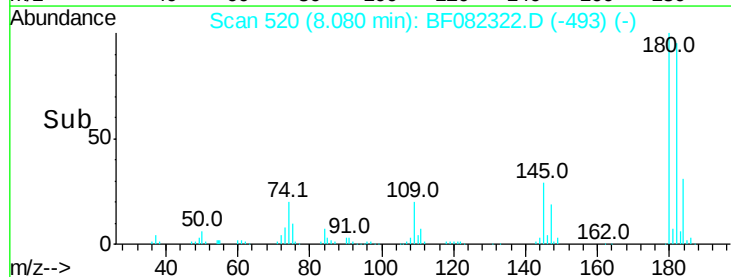
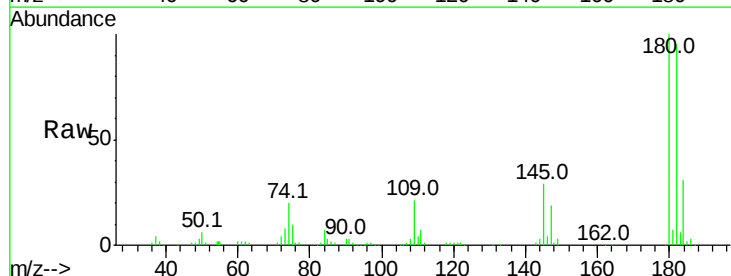
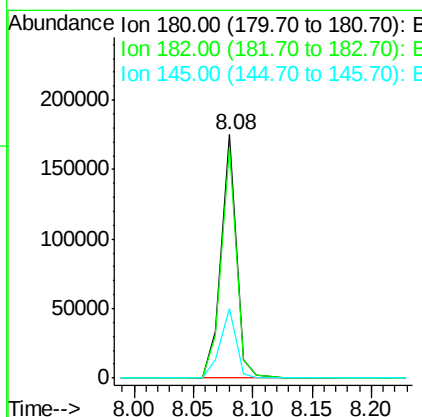
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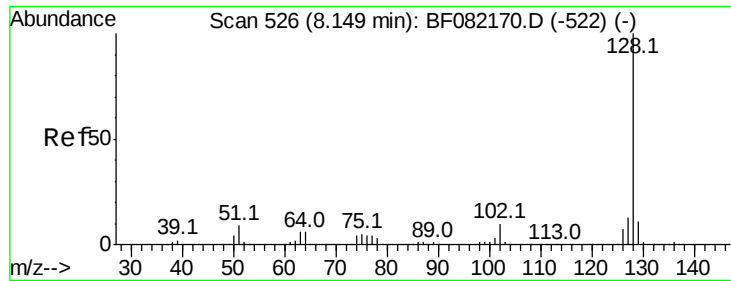
MMdadoda
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#30
1,2,4-Trichlorobenzene
Concen: 37.58 ng
RT: 8.08 min Scan# 520
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.8	77.0	115.4
145	28.7	25.0	37.4





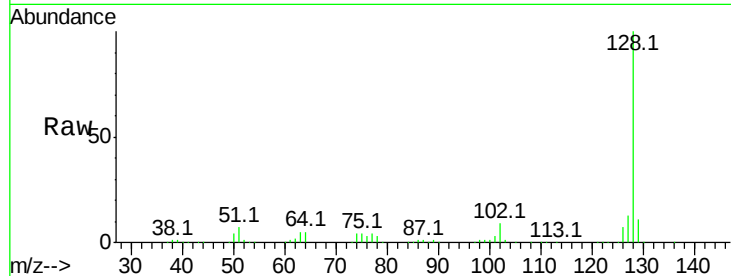
#31
Naphthalene
Concen: 40.49 ng
RT: 8.16 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

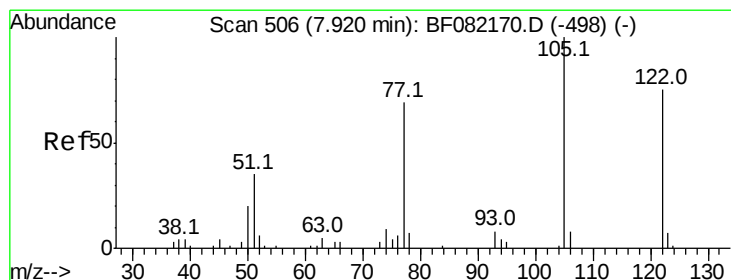
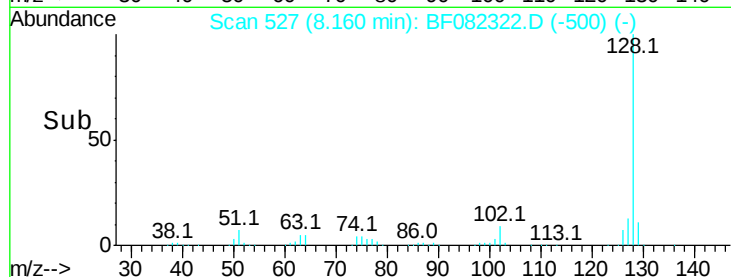
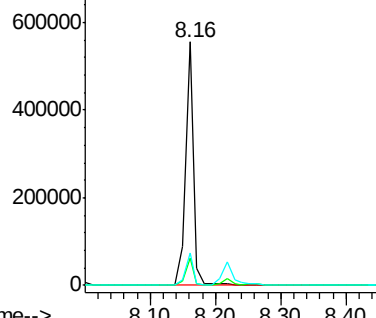
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.1	13.7	
127	13.4	10.7	16.1	

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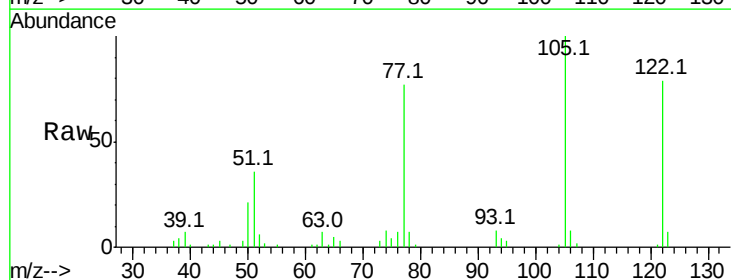


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

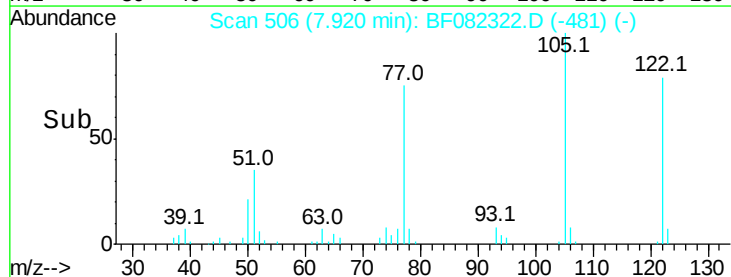
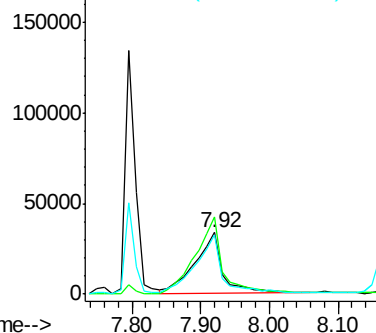


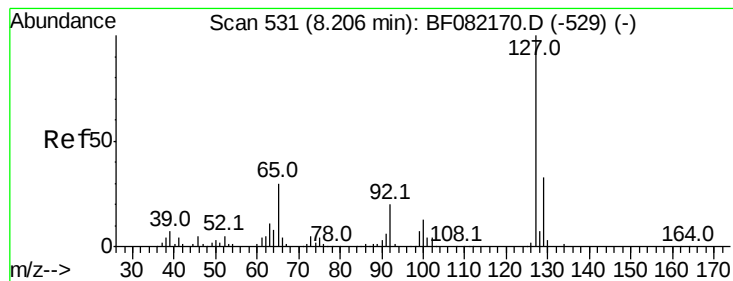
#32
Benzoic acid
Concen: 39.64 ng
RT: 7.92 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	126.3	104.4	144.4	
77	96.9	69.0	109.0	



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





#33

4-Chloroaniline

Concen: 14.49 ng

RT: 8.22 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

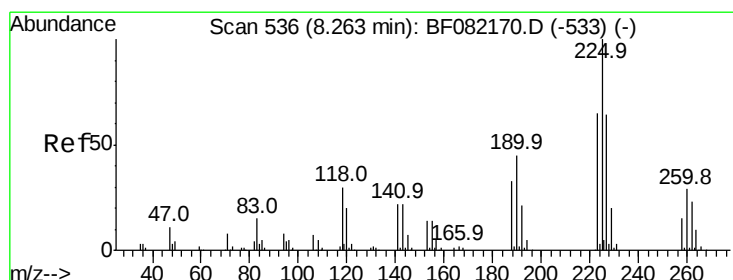
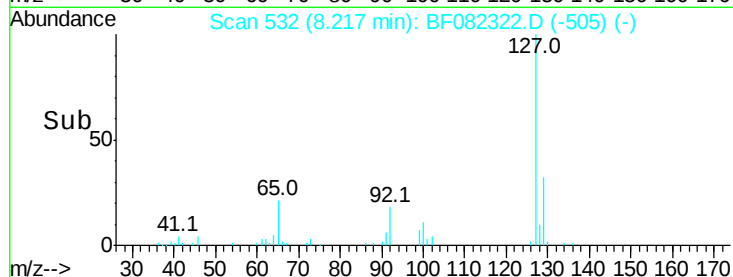
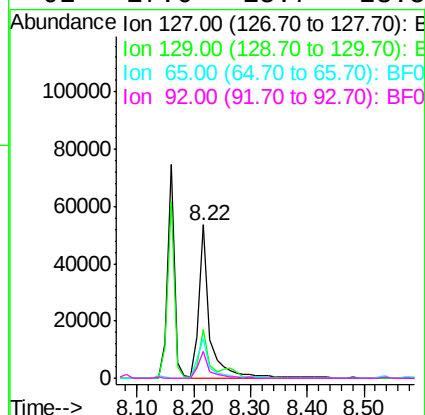
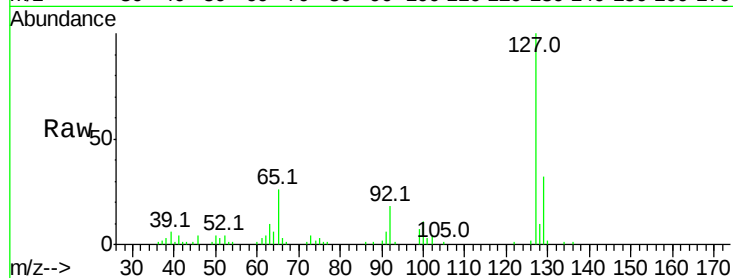
ClientSampleId :

PB86109BS

Tot Ion:	127	Resp:	72241
Ion Ratio	Lower	Upper	
127	100		
129	31.8	26.3	39.5
65	25.6	24.4	36.6
92	17.6	15.7	23.5

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#34

Hexachlorobutadiene

Concen: 36.84 ng

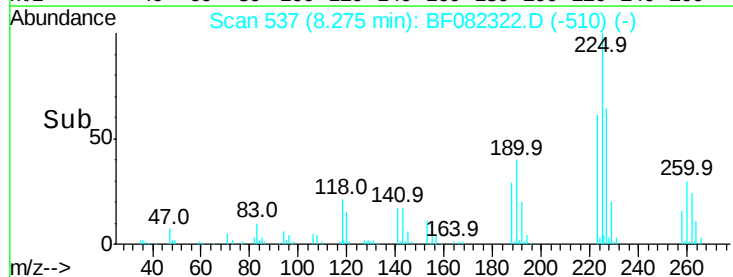
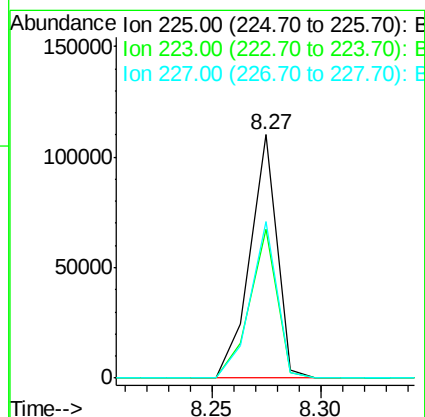
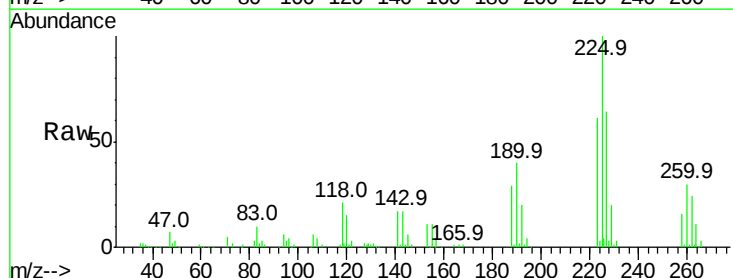
RT: 8.27 min Scan# 537

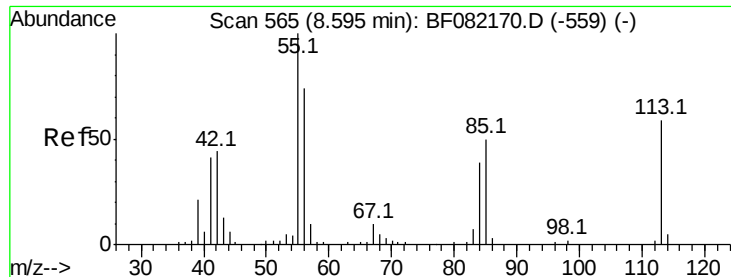
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	225	Resp:	94957
Ion Ratio	Lower	Upper	
225	100		
223	61.0	52.2	78.2
227	64.2	51.3	76.9





#35

Caprolactam

Concen: 45.38 ng

RT: 8.58 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

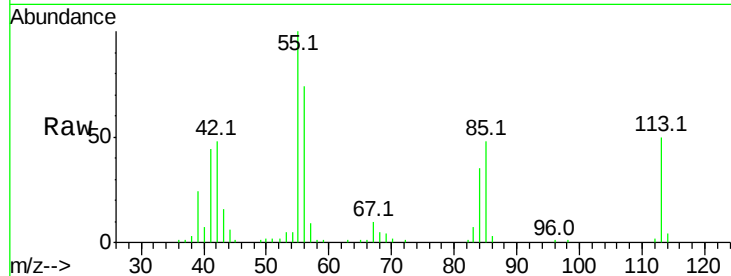
ClientSampleId :

PB86109BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	201.1	149.7	189.7#		
56	149.4	105.4	145.4#		

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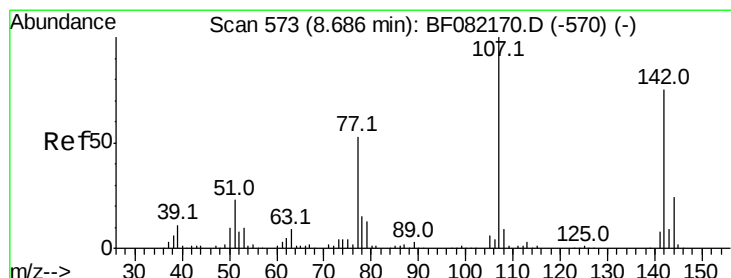
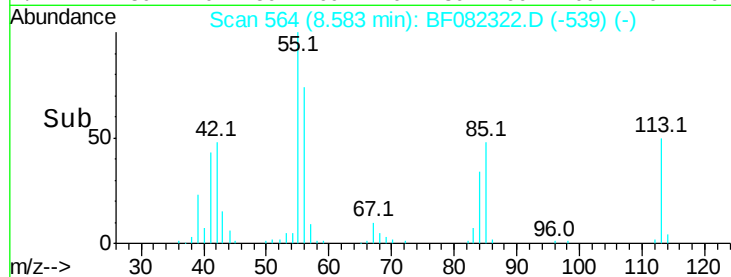
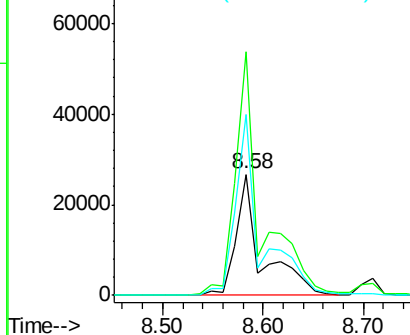
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.43 ng

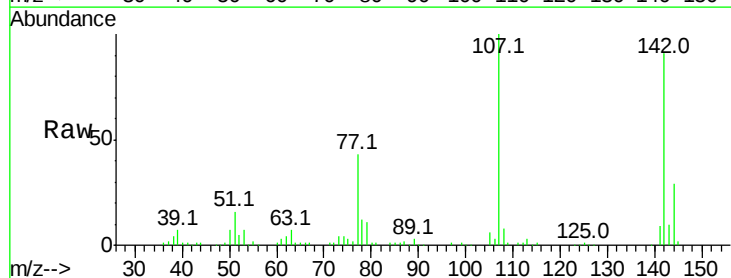
RT: 8.71 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

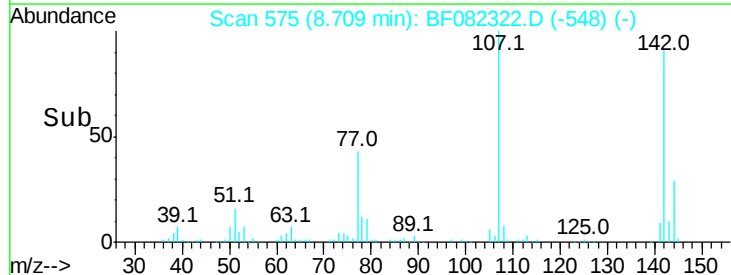
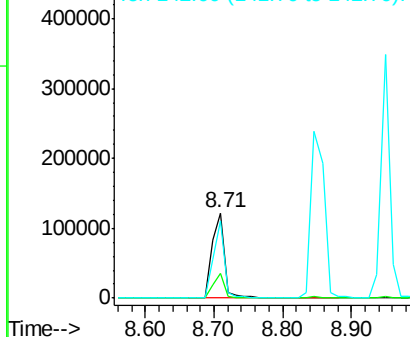
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	29.2	19.3	28.9#		
142	90.6	59.9	89.9#		

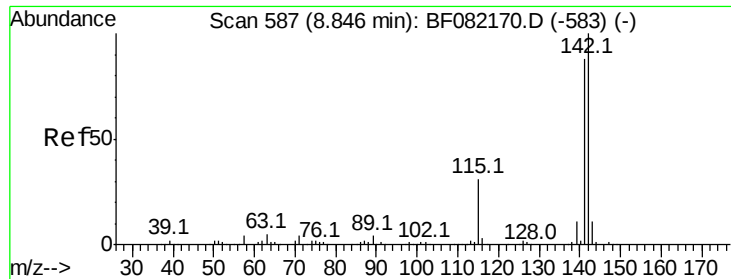


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





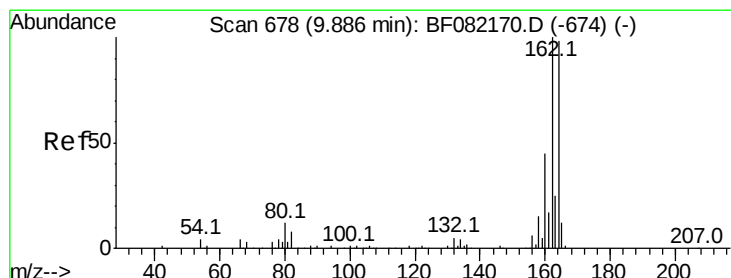
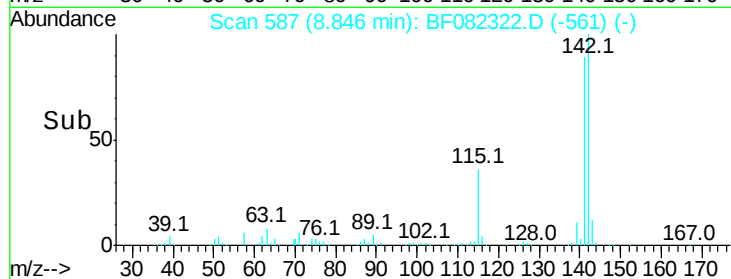
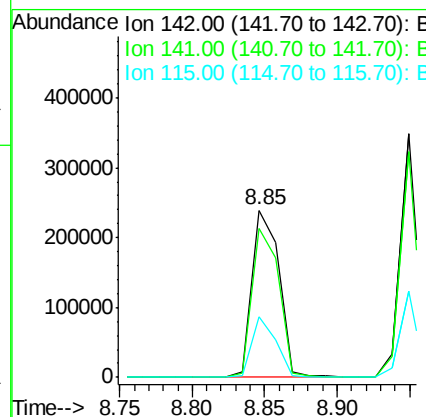
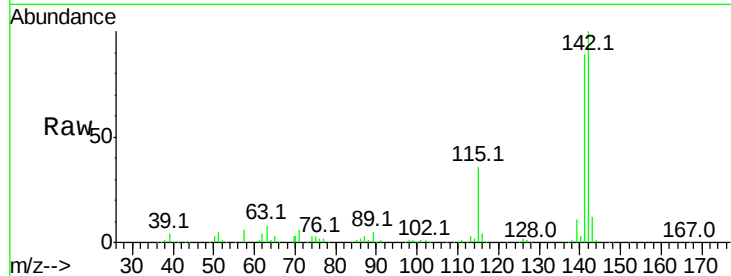
#37
2-Methylnaphthalene
Concen: 37.38 ng
RT: 8.85 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	311018		
141	89.2	70.4	105.6	
115	35.9	24.6	37.0	

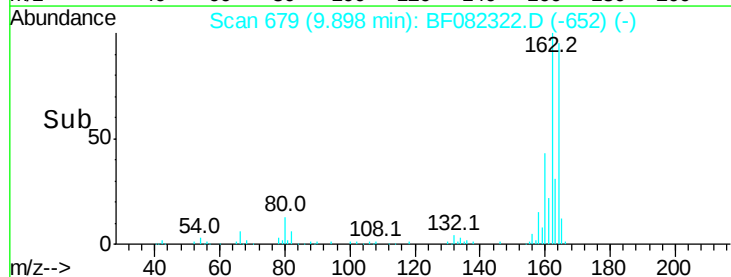
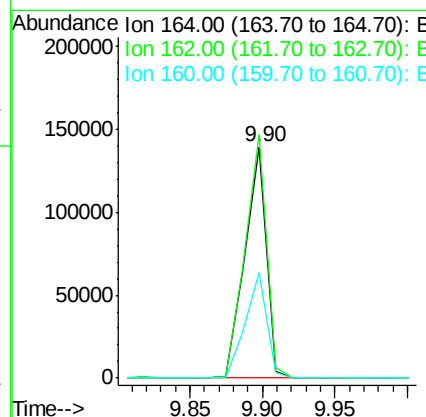
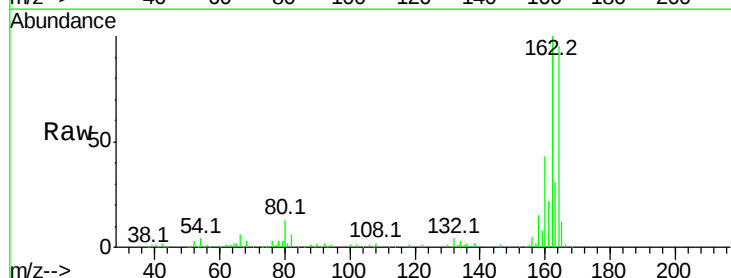
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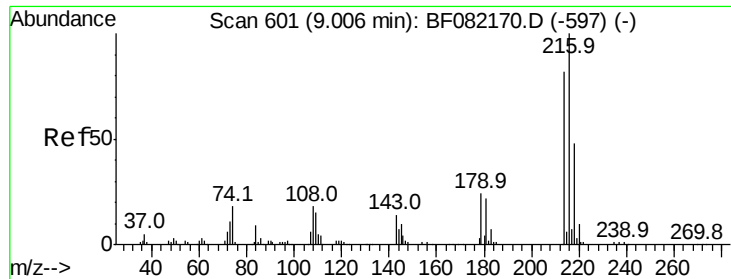
MMdadoda
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 679
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143855		
162	105.3	81.6	122.4	
160	45.6	36.4	54.6	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.78 ng

RT: 9.02 min Scan# 602

Delta R.T. 0.01 min

Lab File: BF082322.D

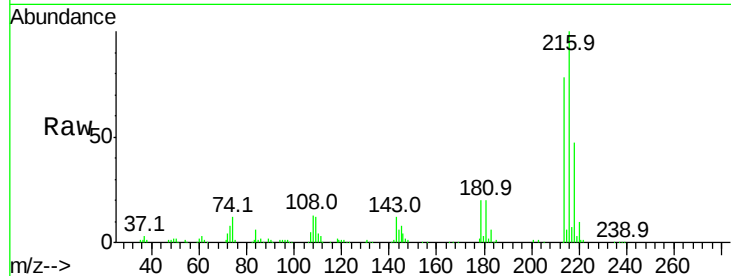
Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

ClientSampleId :

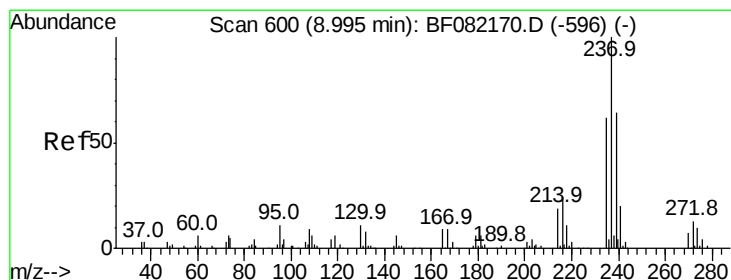
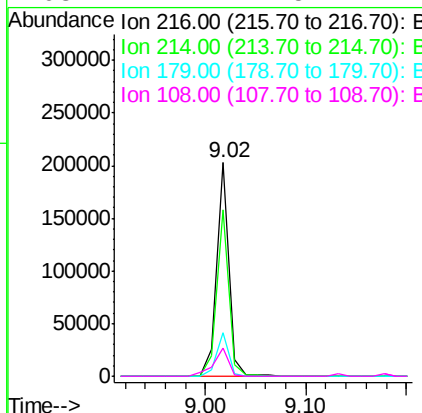
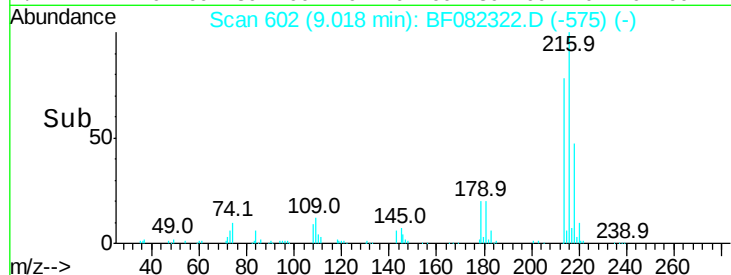
PB86109BS



Tot Ion	Ratio	Resp	Lower	Upper
216	100	170228		
214	77.7	64.6	97.0	
179	20.6	17.6	26.4	
108	17.2	14.5	21.7	

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#40

Hexachlorocyclopentadiene

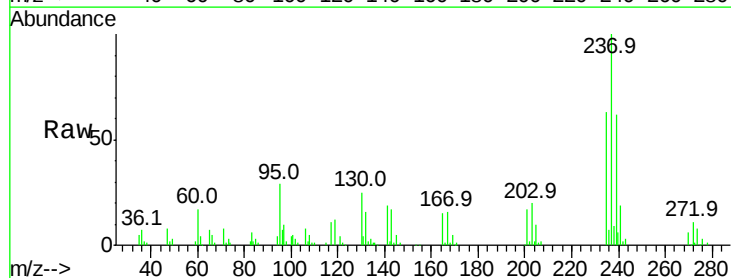
Concen: 53.79 ng

RT: 8.99 min Scan# 600

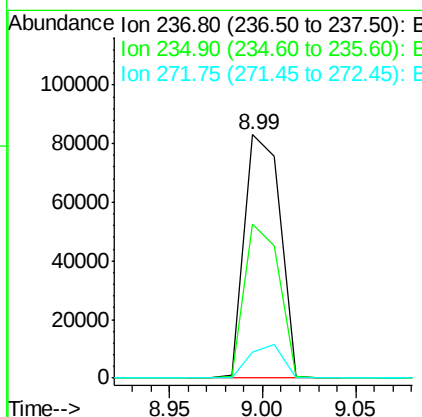
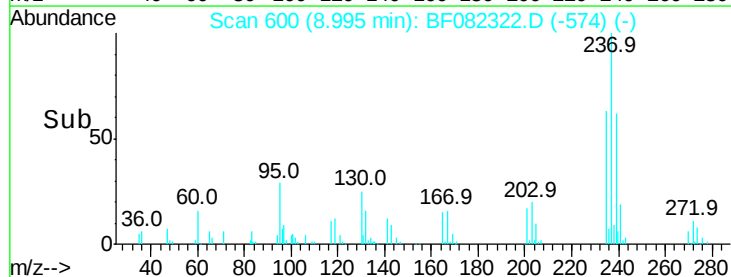
Delta R.T. -0.00 min

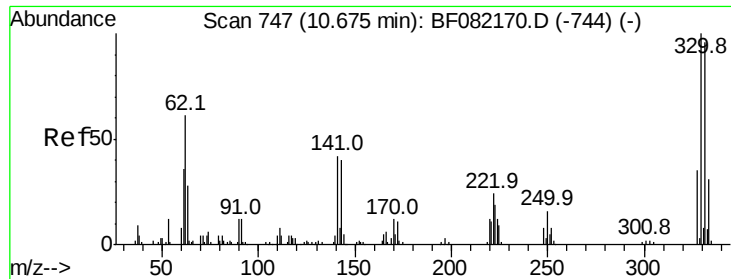
Lab File: BF082322.D

Acq: 16 Oct 2015 13:17



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	109885		
235	63.3	41.7	81.7	
272	10.9	0.0	32.8	





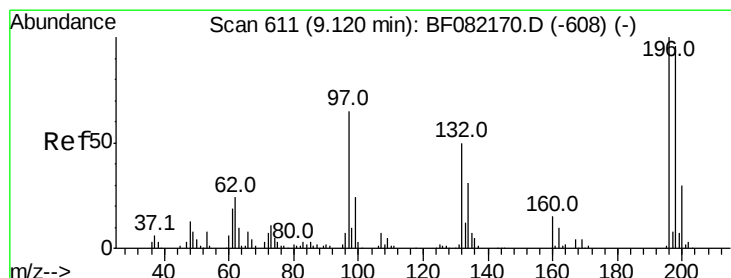
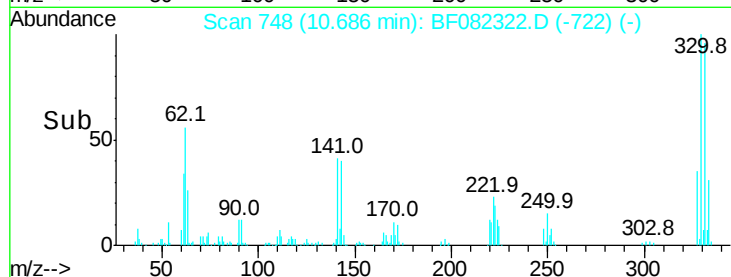
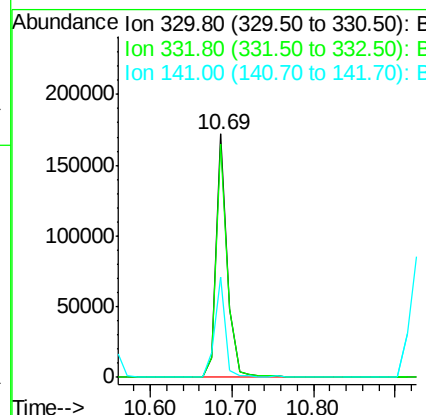
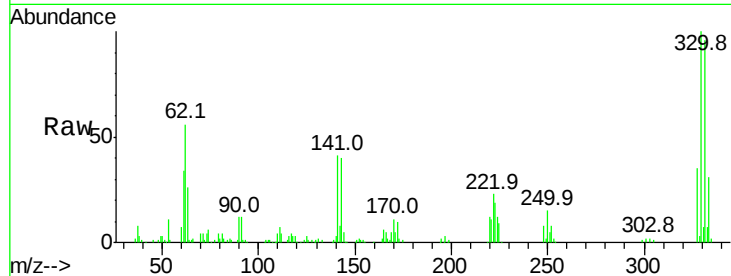
#41
 2,4,6-Tribromophenol
 Concen: 125.11 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	168790		
332	97.1	77.1	115.7	
141	39.0	29.8	44.8	

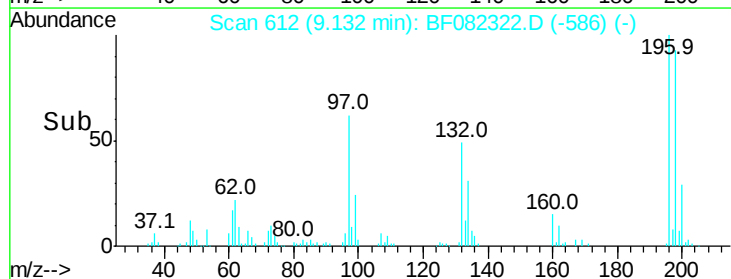
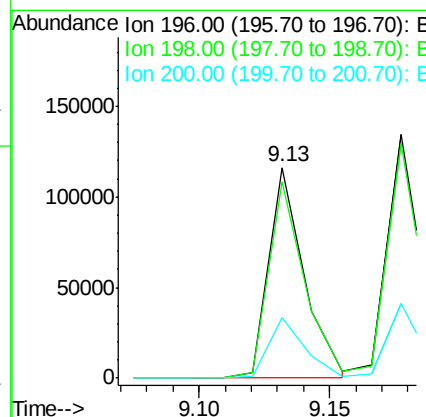
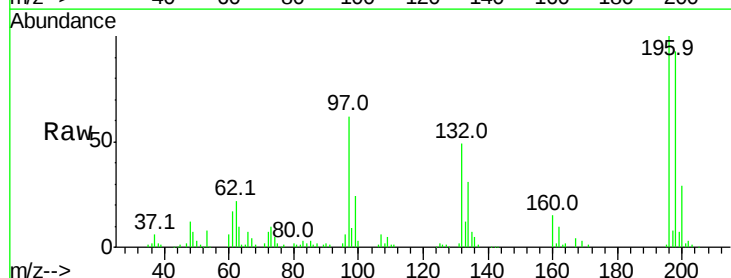
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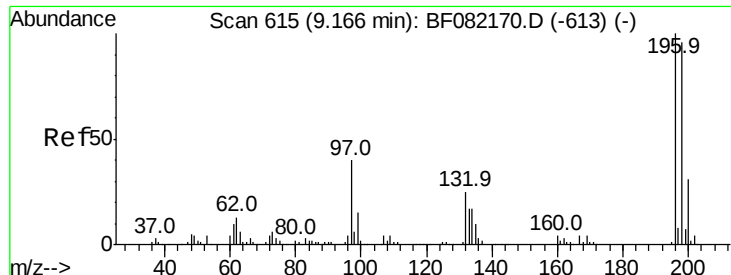
MMdadoda
 10/19/2015 5:32:04 PM



#42
 2,4,6-Trichlorophenol
 Concen: 38.72 ng
 RT: 9.13 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	110030		
198	93.3	76.6	115.0	
200	28.7	23.7	35.5	





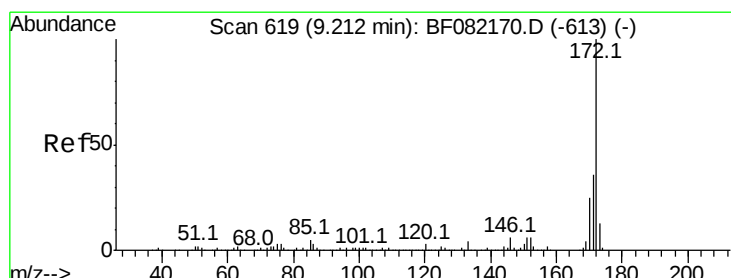
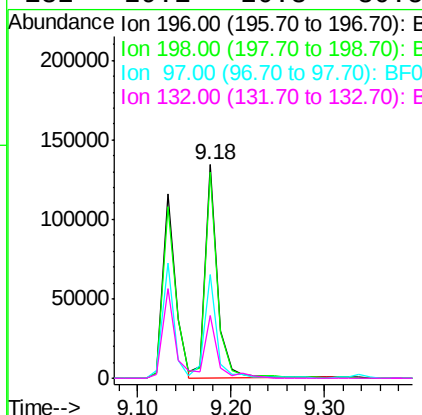
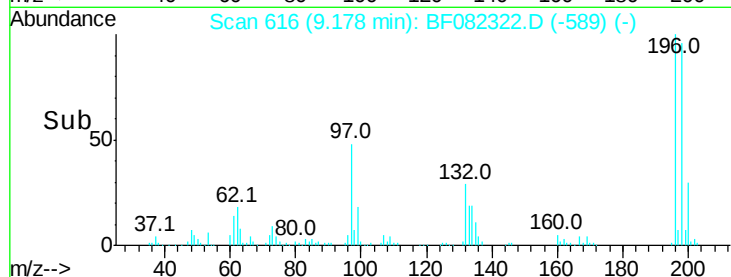
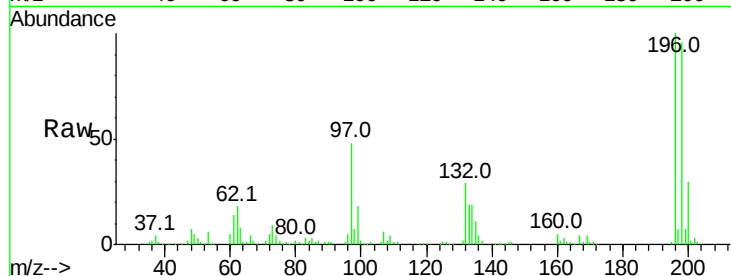
#43
 2,4,5-Trichlorophenol
 Concen: 40.90 ng
 RT: 9.18 min Scan# 616
 Delta R.T. 0.01 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	125906		
198	96.2	77.0	115.4	
97	48.4	31.9	47.9	
132	29.1	20.3	30.5	

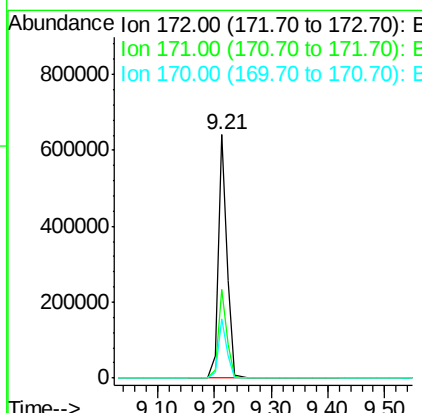
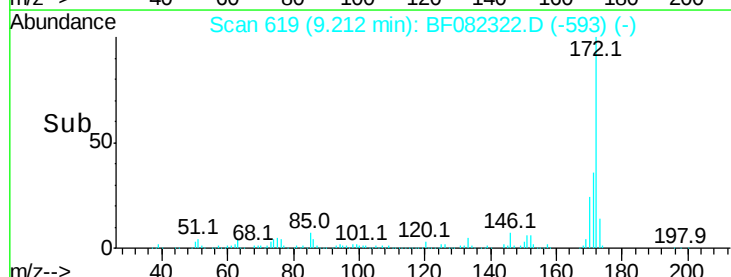
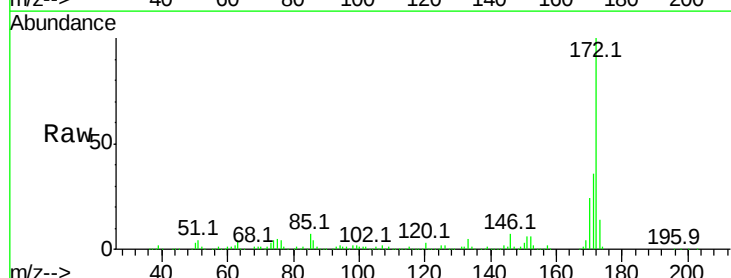
Manual Integrations
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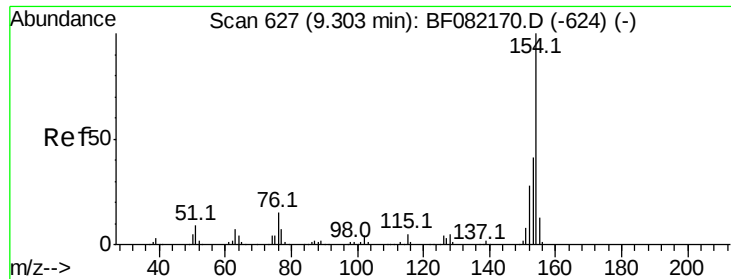
MMdadoda
 10/19/2015 5:32:04 PM



#44
 2-Fluorobiphenyl
 Concen: 77.65 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	673583		
171	36.4	28.6	42.8	
170	24.5	19.7	29.5	





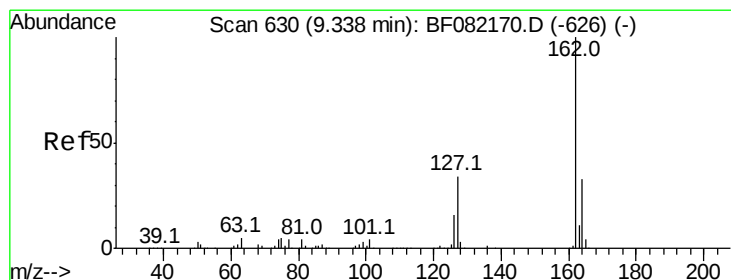
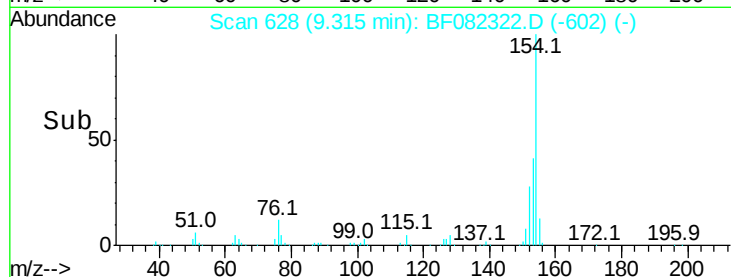
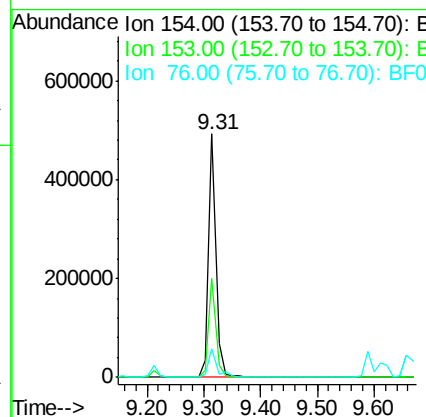
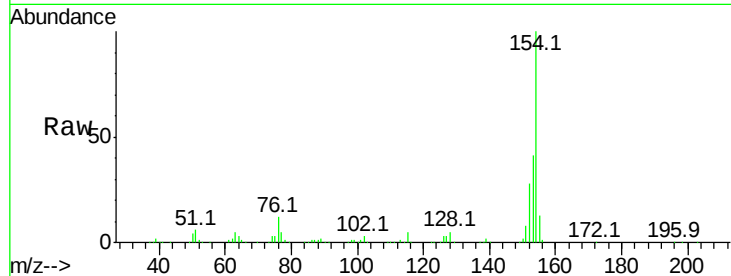
#45
1,1'-Biphenyl
Concen: 38.51 ng
RT: 9.31 min Scan# 628
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.5	20.6	60.6	
76	11.8	0.0	35.2	

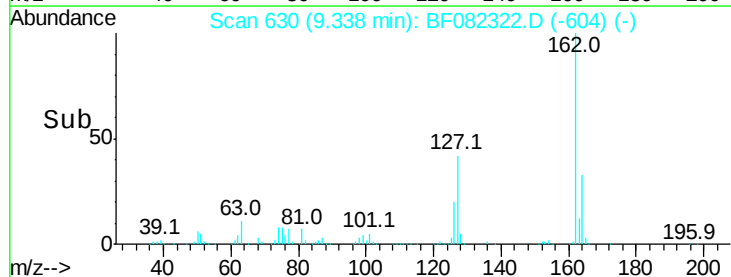
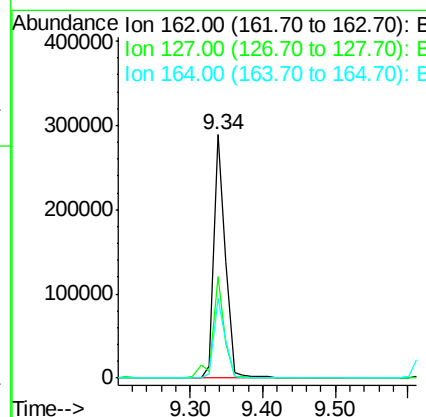
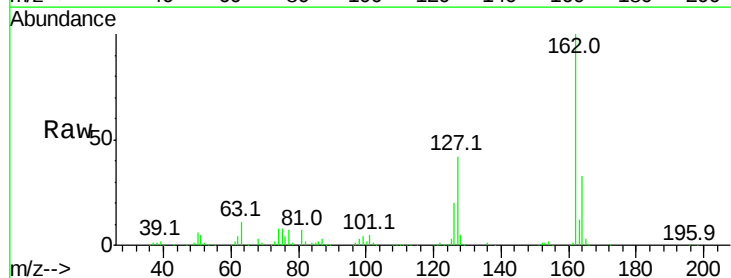
Manual Integrations
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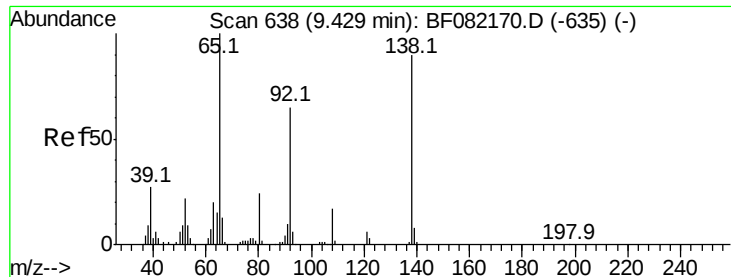
MMdadoda
10/19/2015 5:32:04 PM



#46
2-Chloronaphthalene
Concen: 36.57 ng
RT: 9.34 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.6	27.5	41.3#	
164	32.7	26.6	39.8	





#47

2-Nitroaniline

Concen: 40.66 ng

RT: 9.44 min Scan# 639

Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

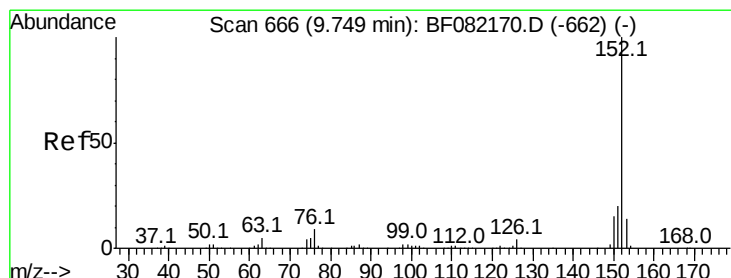
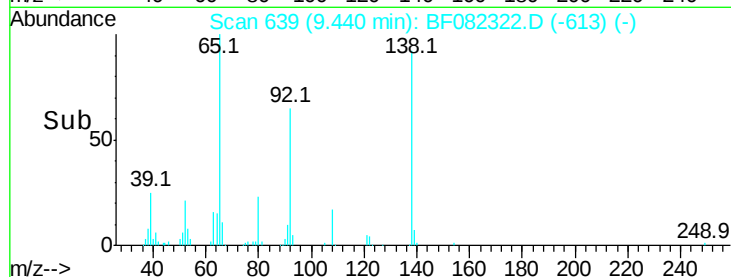
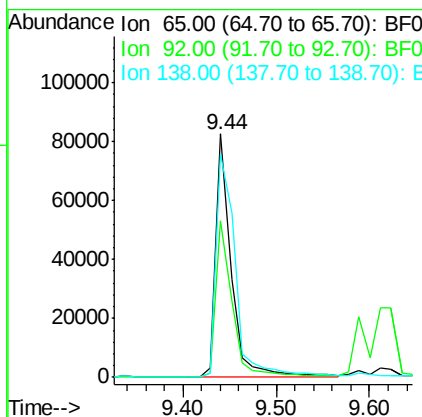
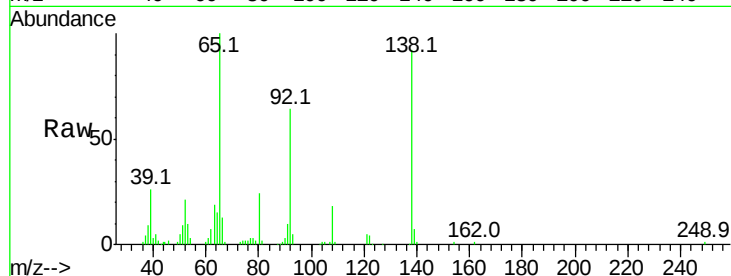
ClientSampleId :

PB86109BS

Tot Ion:	65	Resp:	96388
Ion Ratio	Lower	Upper	
65	100		
92	64.5	52.3	78.5
138	91.6	72.2	108.4

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#48

Acenaphthylene

Concen: 40.82 ng

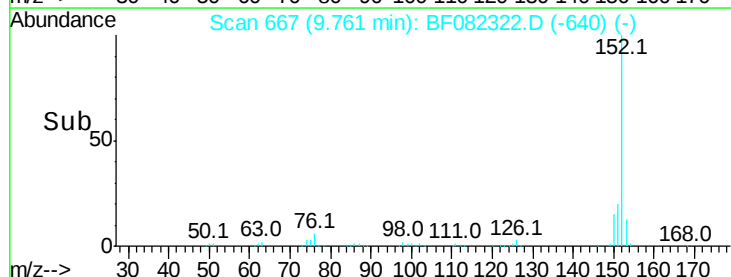
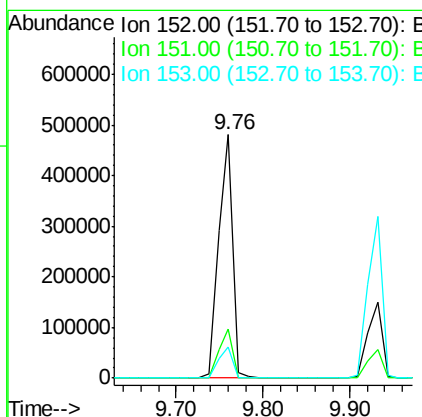
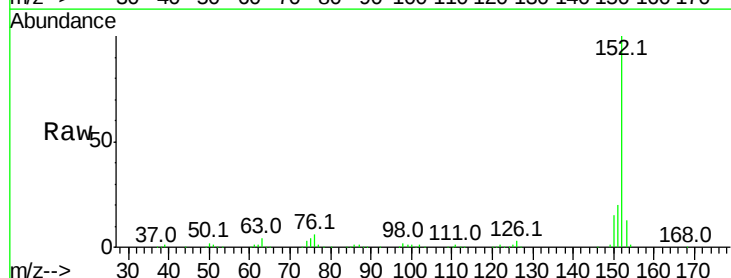
RT: 9.76 min Scan# 667

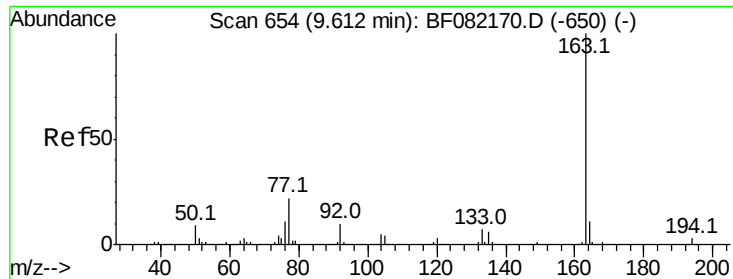
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	152	Resp:	549089
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.4	24.6
153	12.8	10.8	16.2





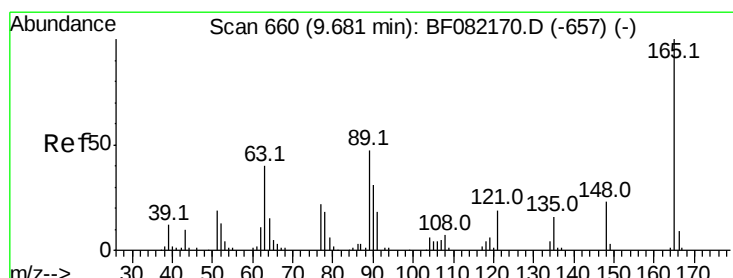
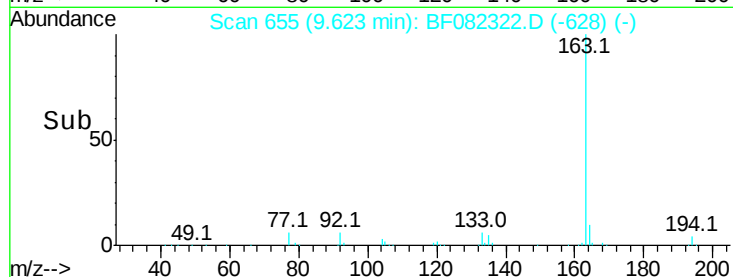
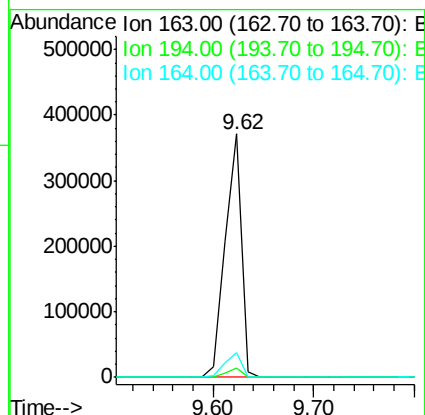
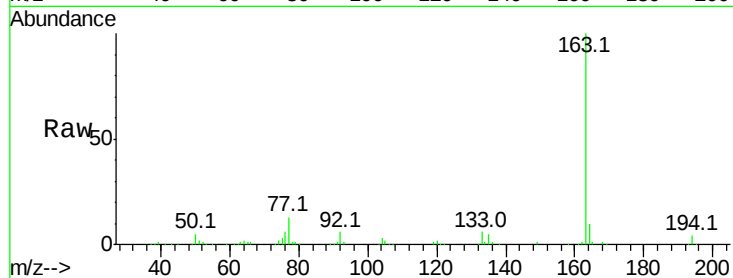
#49
Dimethylphthalate
Concen: 41.15 ng
RT: 9.62 min Scan# 655
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.6	4.0	
164	10.0	8.5	12.7	

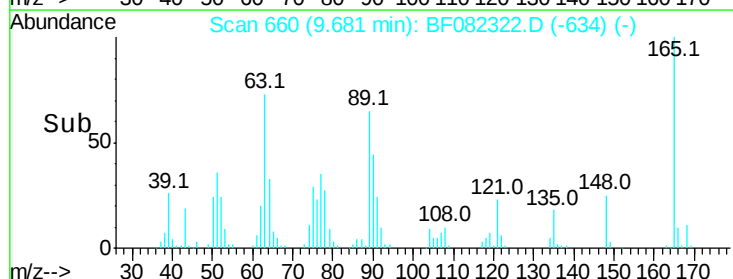
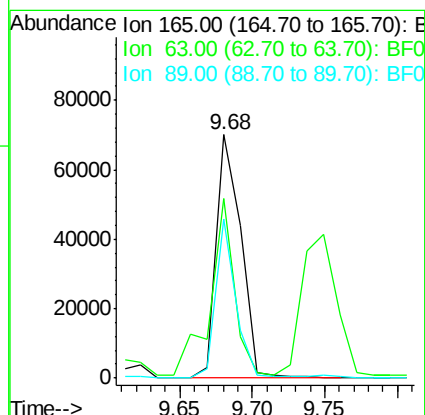
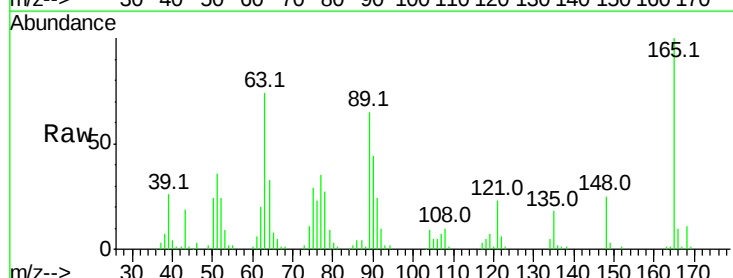
Manual Integrations
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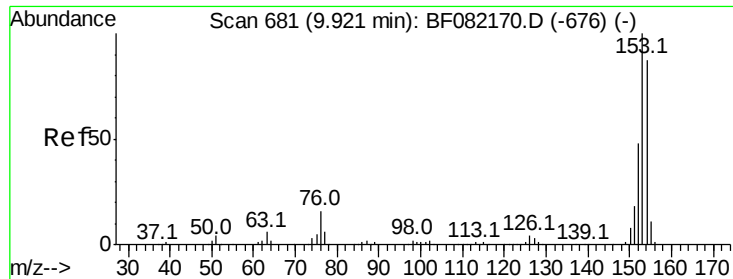
MMdadoda
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#50
2,6-Dinitrotoluene
Concen: 38.68 ng
RT: 9.68 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	74.0	36.7	55.1#	
89	65.4	37.8	56.6#	





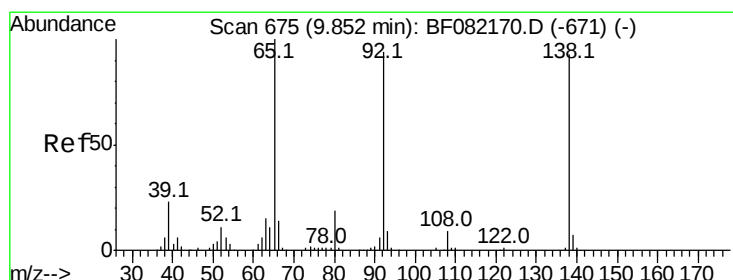
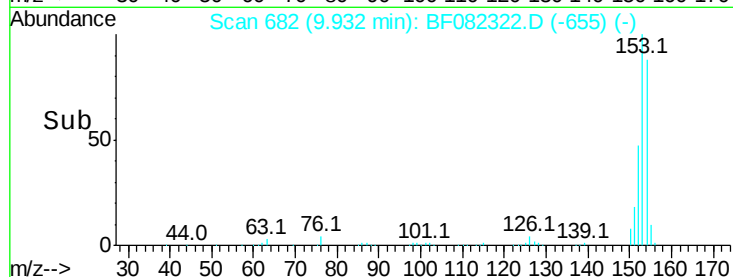
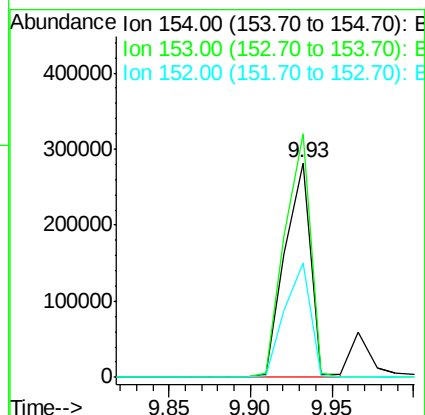
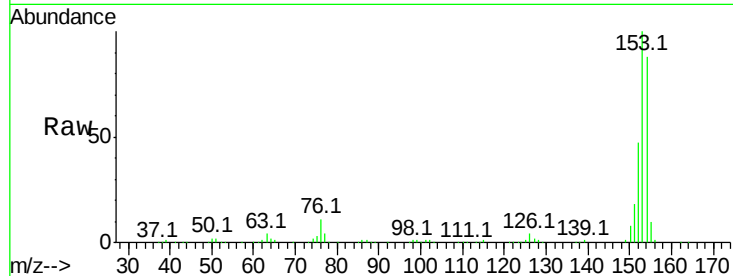
#51
Acenaphthene
Concen: 38.94 ng
RT: 9.93 min Scan# 682
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.4	137.2
152	53.2	44.3	66.5

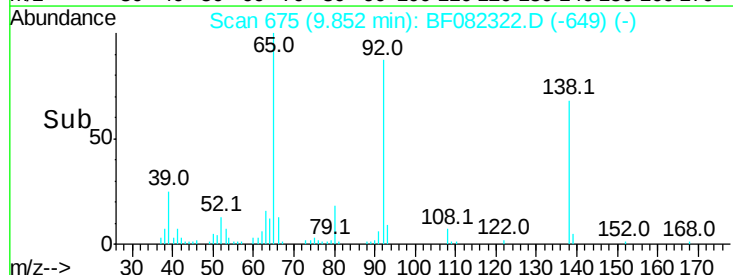
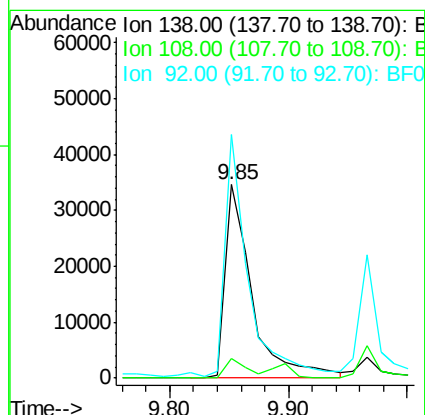
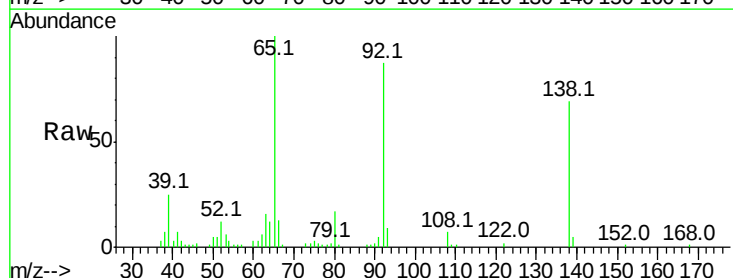
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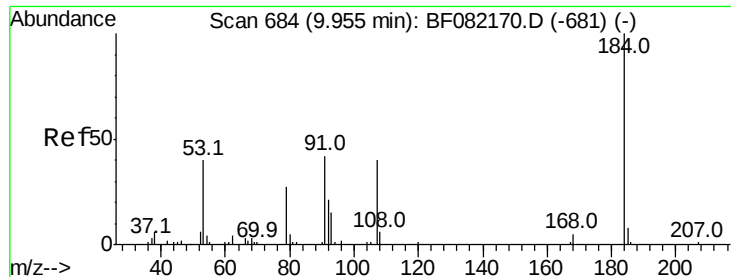
MMdadoda
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#52
3-Nitroaniline
Concen: 22.35 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.4	7.4	11.0
92	125.9	81.3	121.9





#53

2,4-Dinitrophenol

Concen: 86.88 ng

RT: 9.97 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

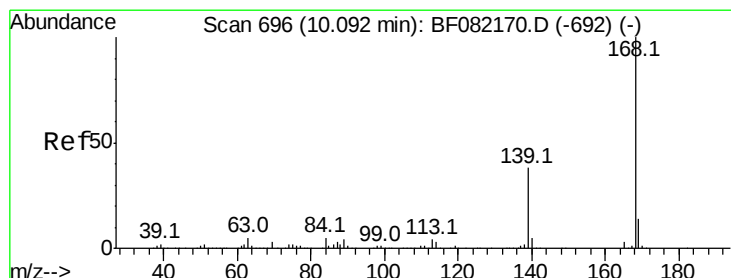
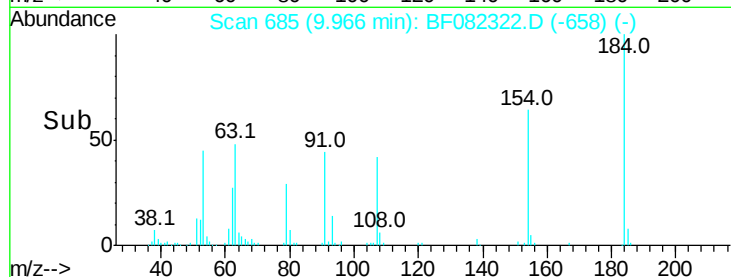
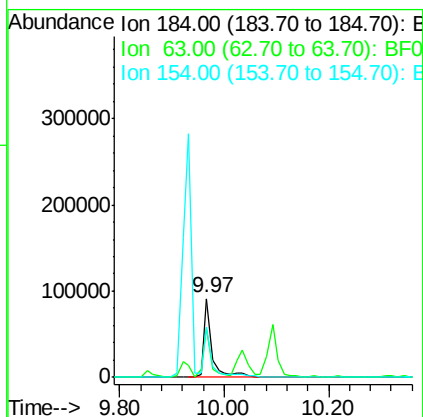
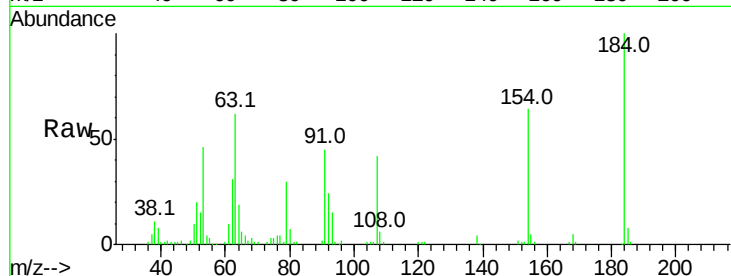
ClientSampleId :

PB86109BS

Tot Ion:	184	Resp:	104478
Ion Ratio	Lower	Upper	
184	100		
63	61.8	45.1	67.7
154	64.3	51.2	76.8

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#54

Dibenzofuran

Concen: 44.79 ng

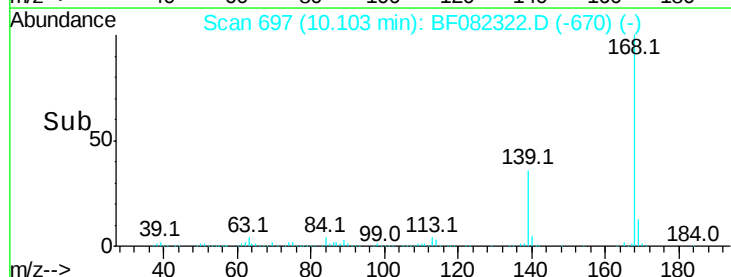
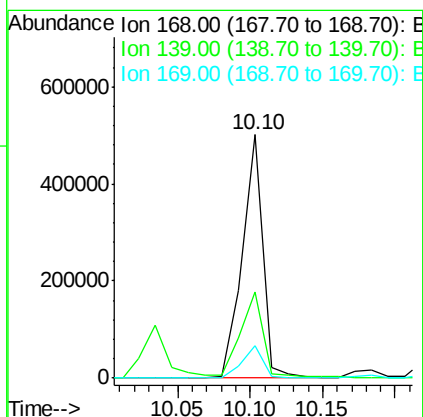
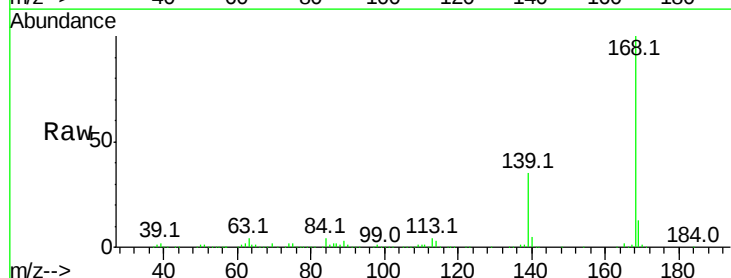
RT: 10.10 min Scan# 697

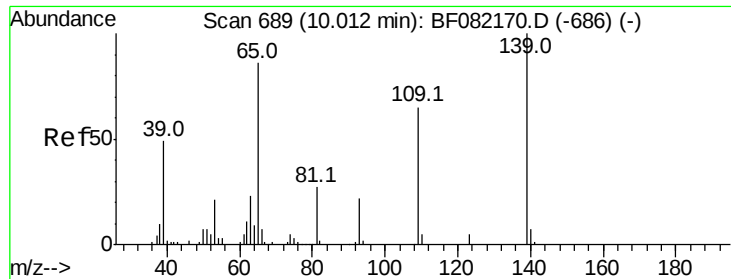
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	168	Resp:	496597
Ion Ratio	Lower	Upper	
168	100		
139	35.5	31.0	46.6
169	13.1	10.9	16.3





#55

4-Nitrophenol

Concen: 77.97 ng

RT: 10.03 min Scan# 691

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

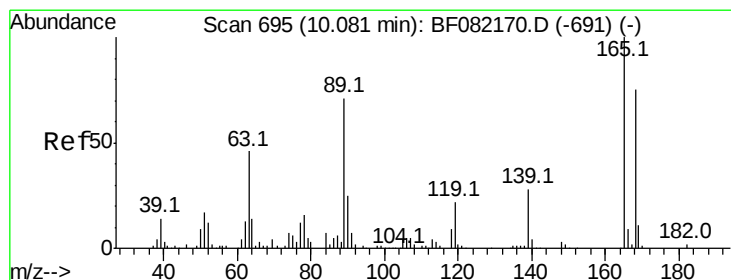
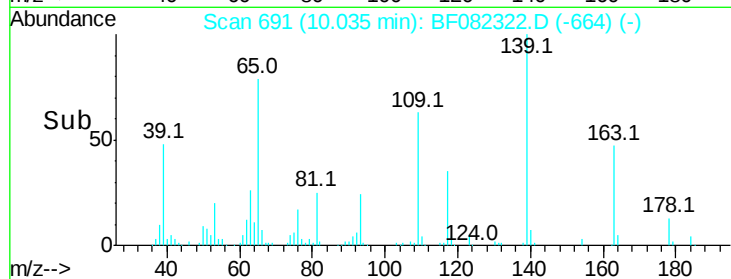
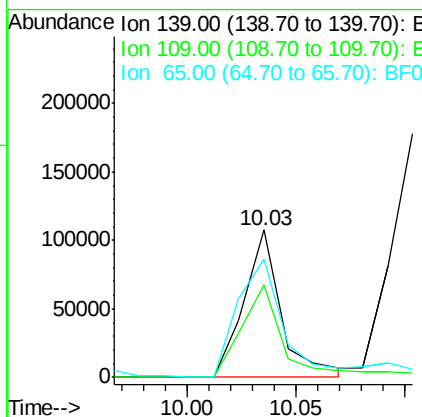
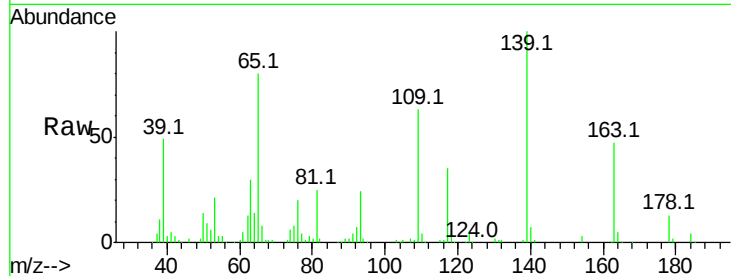
ClientSampleId :

PB86109BS

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Tot Ion:	139	Resp:	128762
Ion Ratio	Lower	Upper	
139	100		
109	63.0	44.8	84.8
65	79.9	67.7	107.7



#56

2,4-Dinitrotoluene

Concen: 49.77 ng

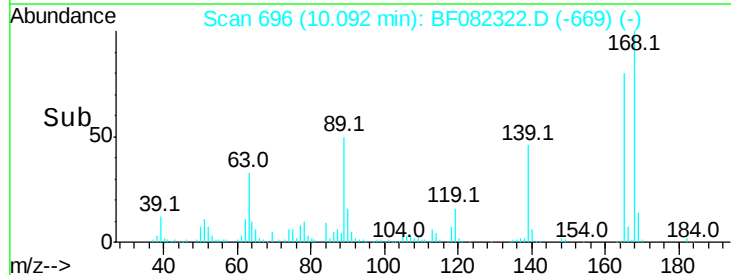
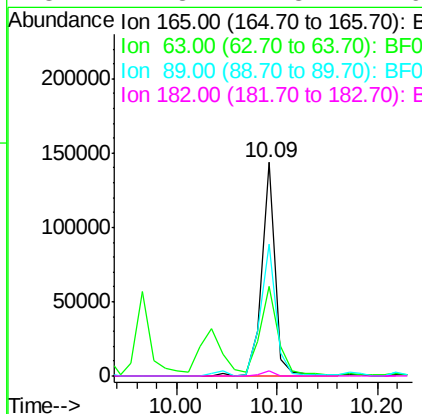
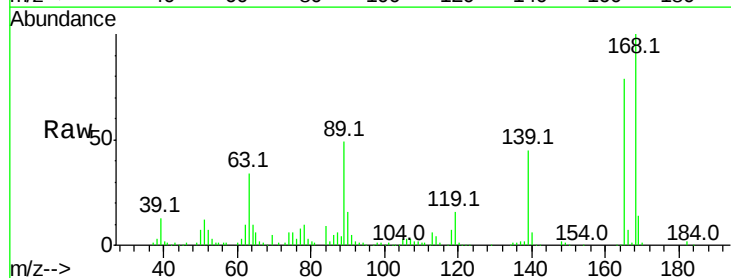
RT: 10.09 min Scan# 696

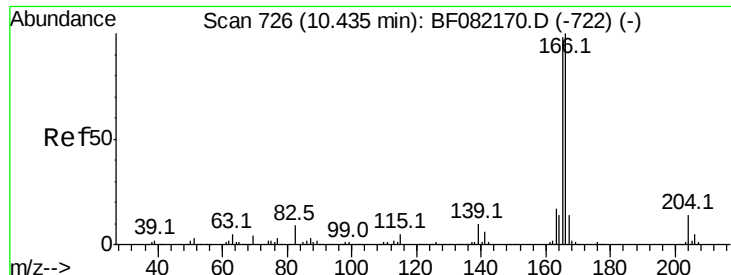
Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	165	Resp:	132949
Ion Ratio	Lower	Upper	
165	100		
63	42.2	38.6	58.0
89	62.0	57.0	85.6
182	2.3	1.8	2.6





#57

Fluorene

Concen: 44.39 ng

RT: 10.45 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

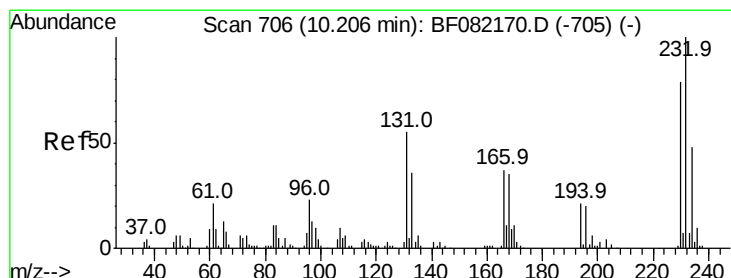
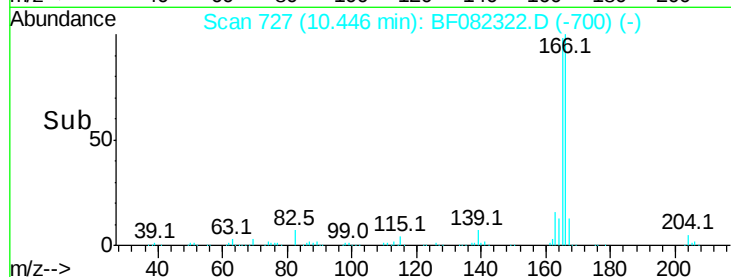
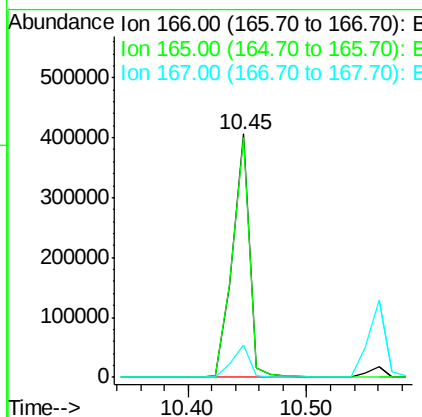
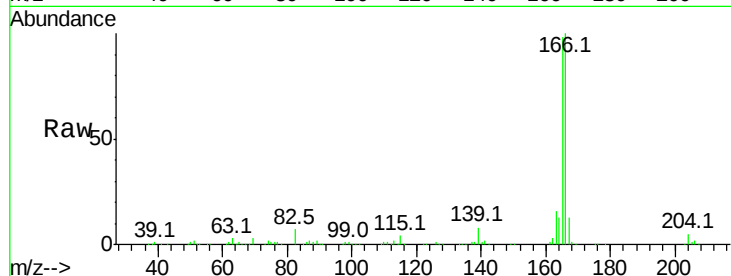
ClientSampleId :

PB86109BS

Tot Ion:	166	Resp:	404239
Ion Ratio	Lower	Upper	
166	100		
165	98.4	78.3	117.5
167	13.3	10.8	16.2

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MMdadoda
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#58

2,3,4,6-Tetrachlorophenol

Concen: 41.79 ng

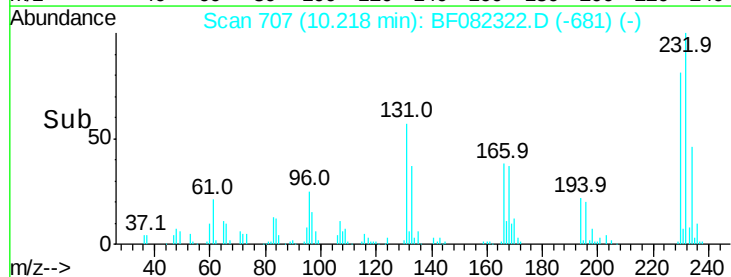
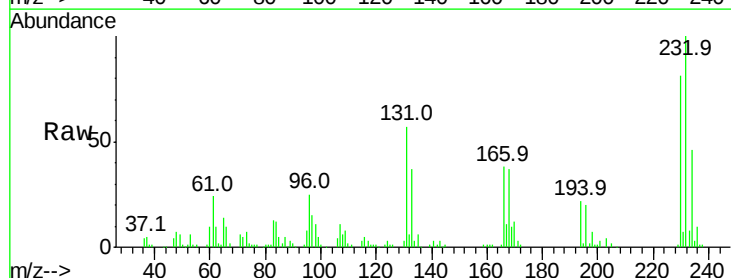
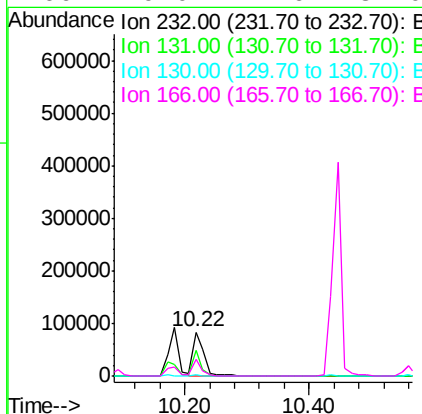
RT: 10.22 min Scan# 707

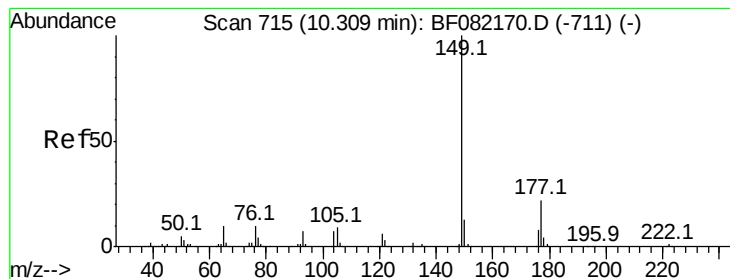
Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	232	Resp:	105109
Ion Ratio	Lower	Upper	
232	100		
131	44.6	36.6	54.8
130	2.0	1.5	2.3
166	29.0	24.6	37.0





#59

Diethylphthalate

Concen: 45.34 ng

RT: 10.32 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

ClientSampleId :

PB86109BS

Tot Ion:149 Resp: 428139

Ion Ratio Lower Upper

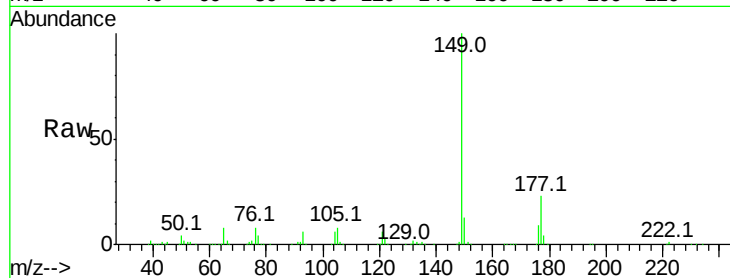
149 100

177 23.0 17.6 26.4

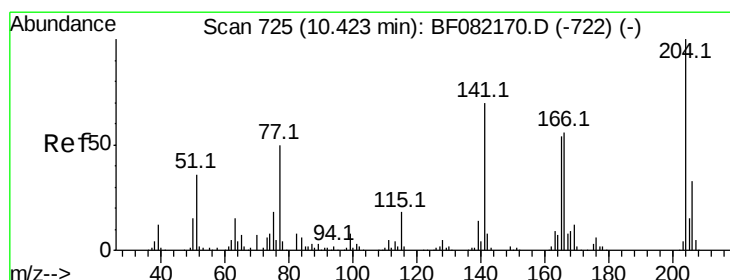
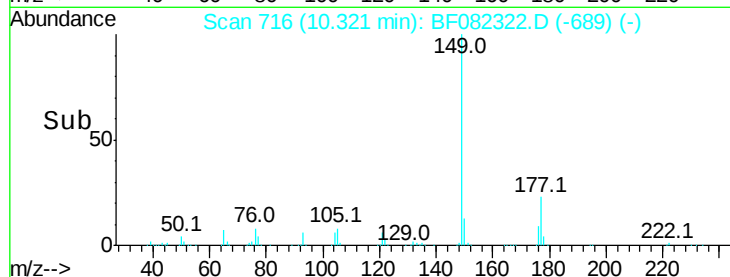
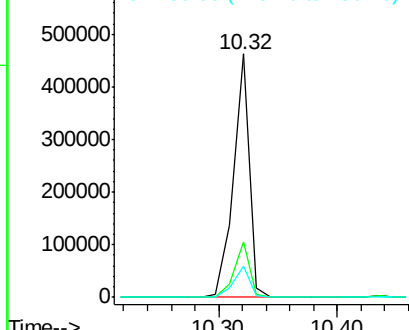
150 12.8 10.3 15.5

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



#60

4-Chlorophenyl-phenylether

Concen: 44.62 ng

RT: 10.43 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

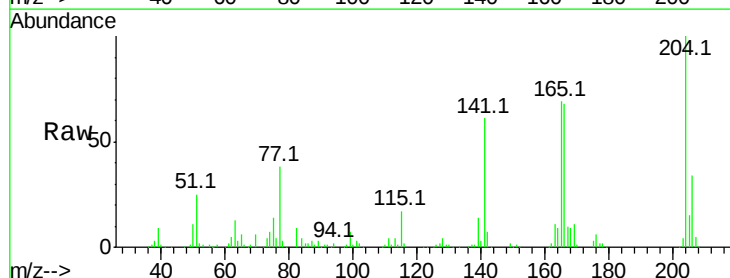
Tgt Ion:204 Resp: 186123

Ion Ratio Lower Upper

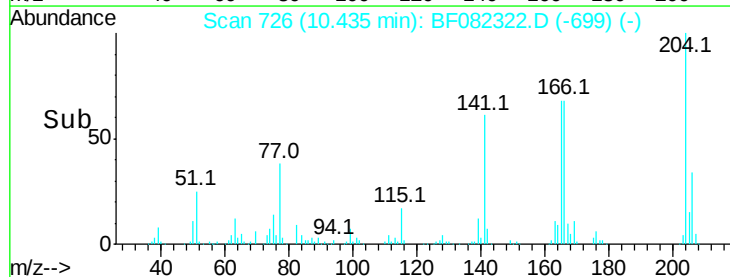
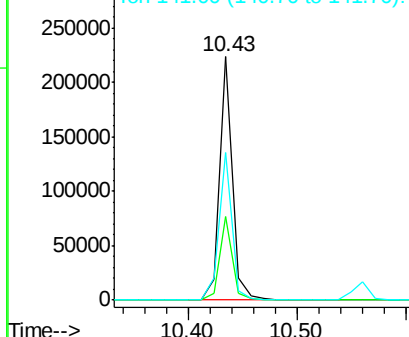
204 100

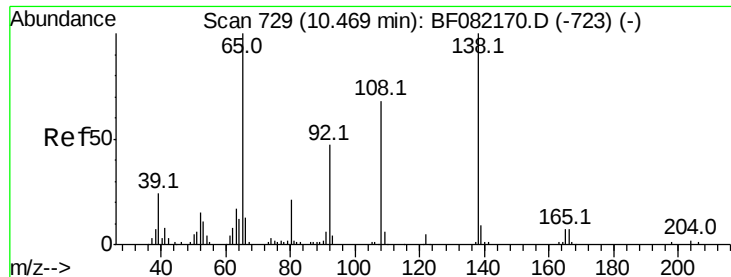
206 34.2 26.8 40.2

141 60.8 56.1 84.1



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





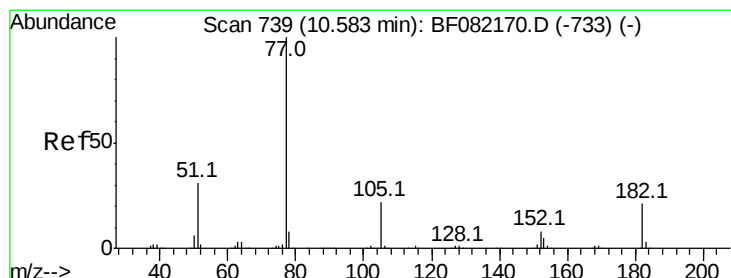
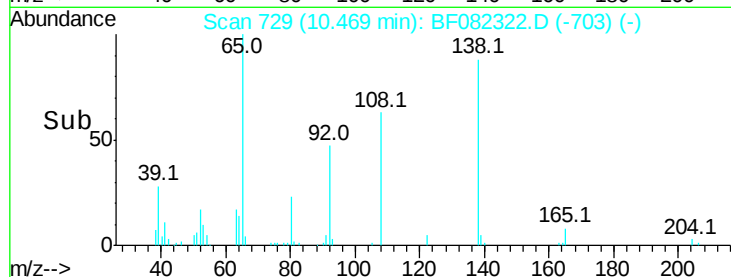
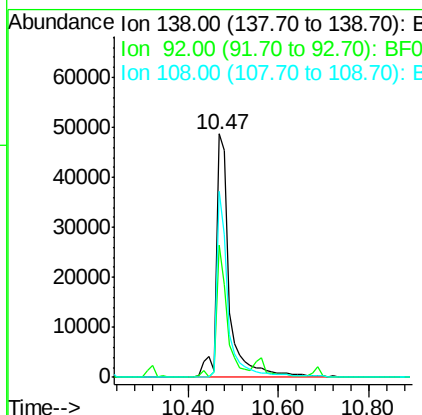
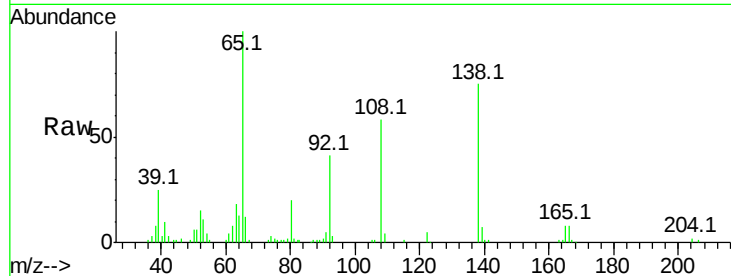
#61
4-Nitroaniline
Concen: 42.42 ng
RT: 10.47 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.4	26.8	66.8
108	76.5	48.4	88.4

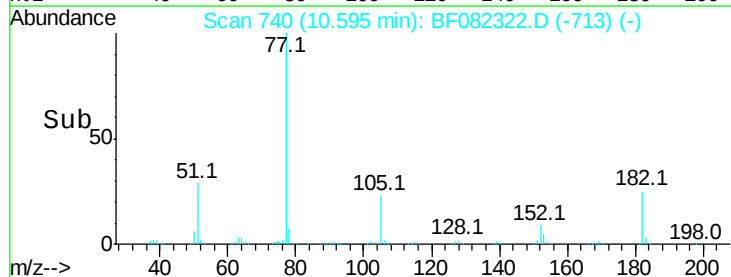
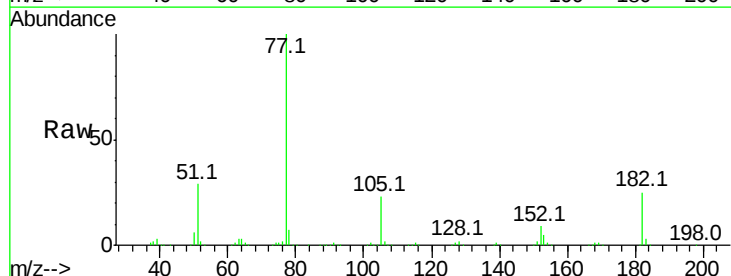
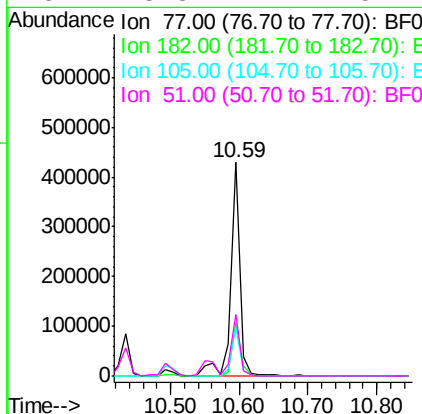
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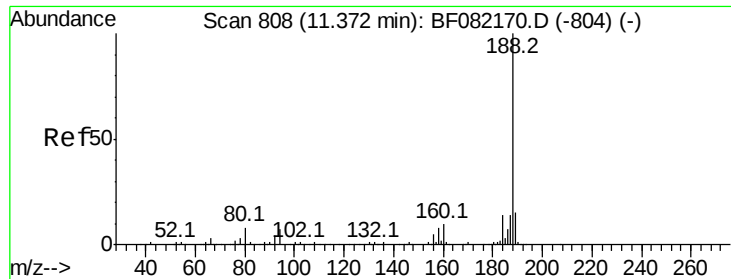
MMdadoda
10/19/2015 5:32:04 PM



#62
Azobenzene
Concen: 44.26 ng
RT: 10.59 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.7	0.5	40.5
105	22.6	1.8	41.8
51	28.8	11.2	51.2





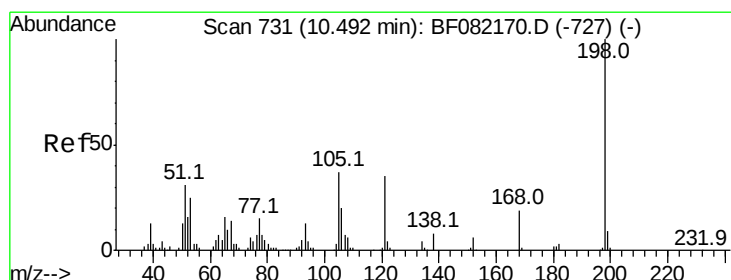
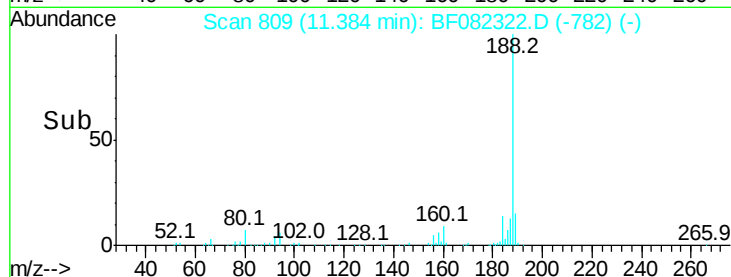
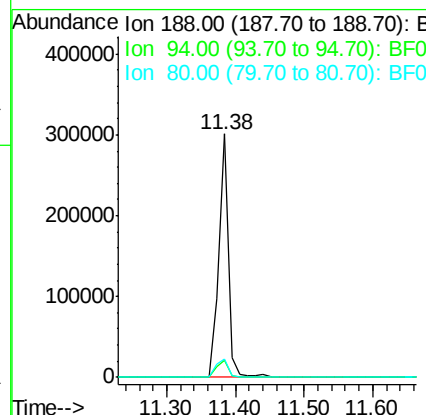
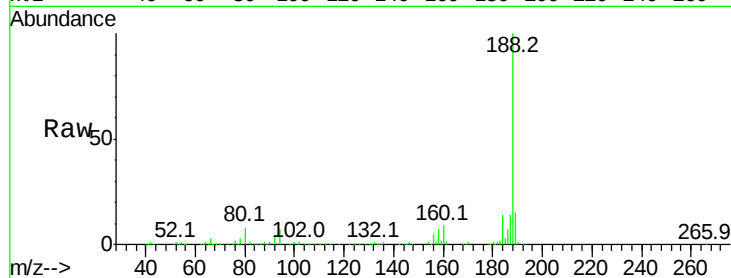
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	303278		
94	6.8		5.8	8.6
80	7.7		6.4	9.6

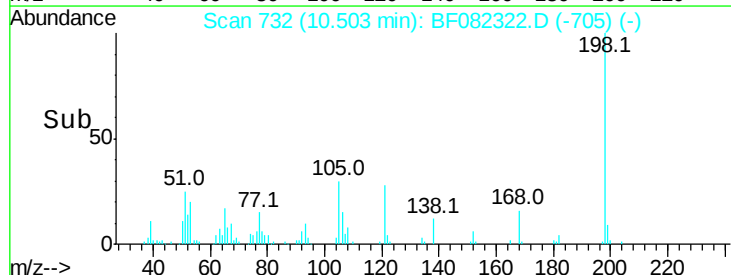
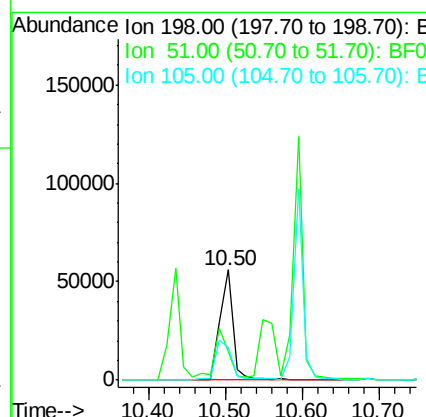
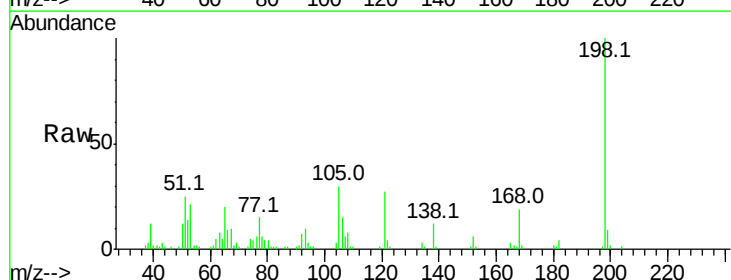
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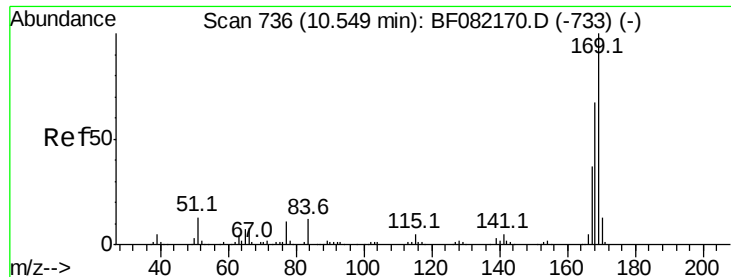
MMdadoda
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#64
4,6-Dinitro-2-methylphenol
Concen: 39.73 ng
RT: 10.50 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	67619		
51	25.4		13.6	53.6
105	29.9		17.1	57.1





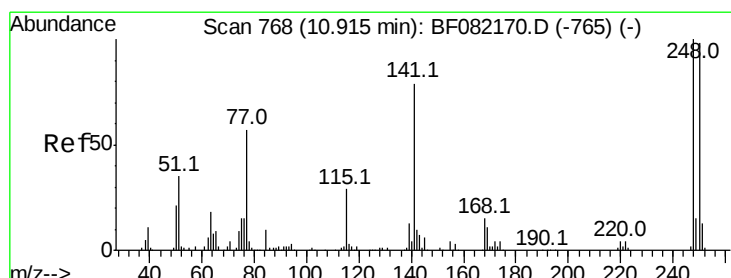
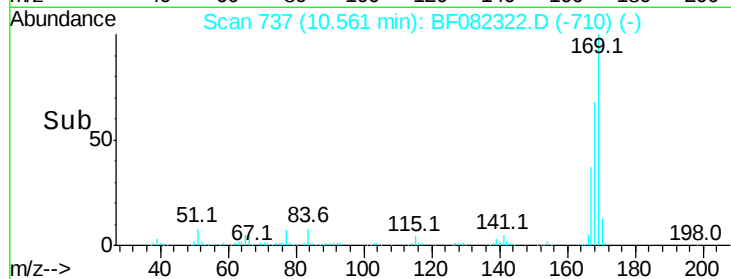
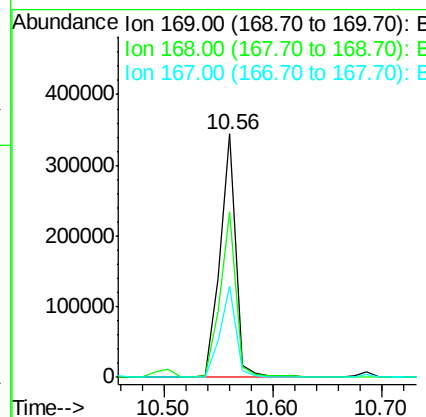
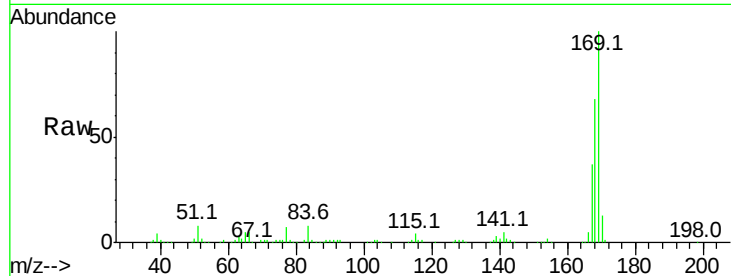
#65
n-Nitrosodiphenylamine
Concen: 39.37 ng
RT: 10.56 min Scan# 737
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	357497		
168	68.1	54.0	81.0	
167	37.4	29.6	44.4	

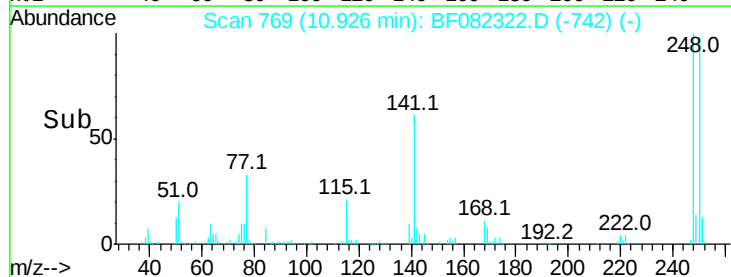
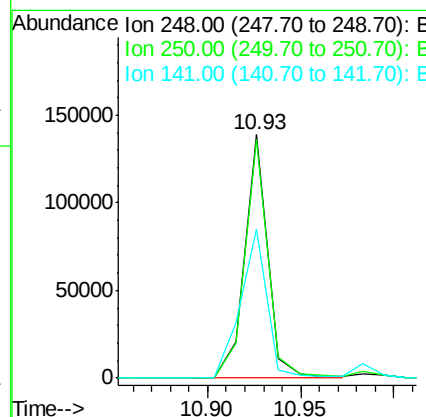
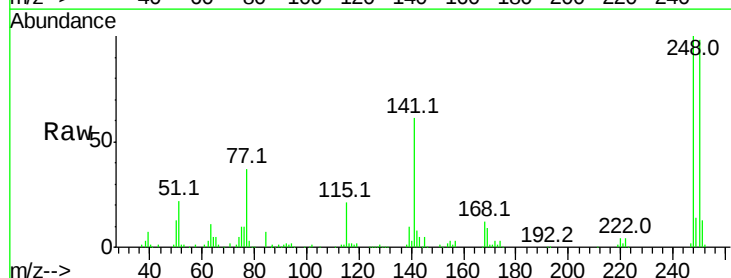
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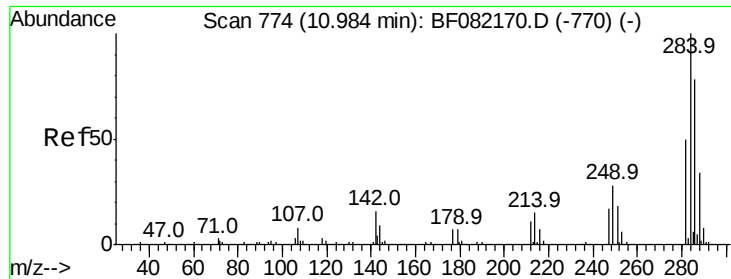
MMdadoda
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#66
4-Bromophenyl-phenylether
Concen: 39.67 ng
RT: 10.93 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	120395		
250	97.7	78.6	117.8	
141	61.2	63.3	94.9#	





#67

Hexachlorobenzene

Concen: 37.71 ng

RT: 10.98 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

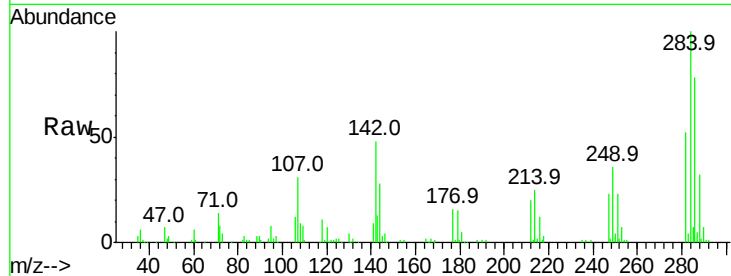
ClientSampleId :

PB86109BS

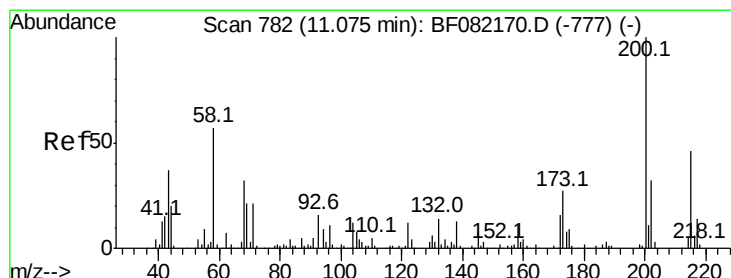
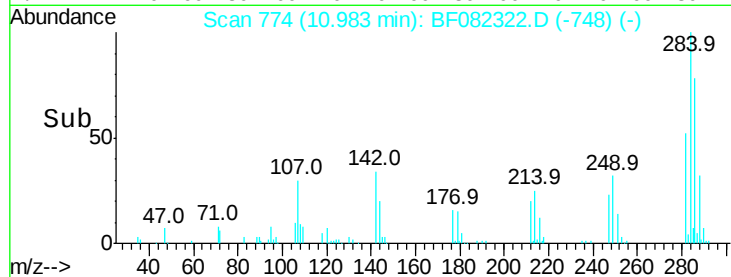
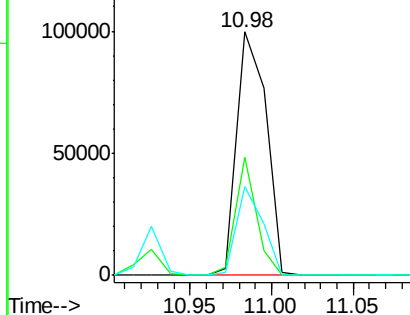
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	48.5	13.0	19.6#	
249	36.2	22.5	33.7#	

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 42.56 ng

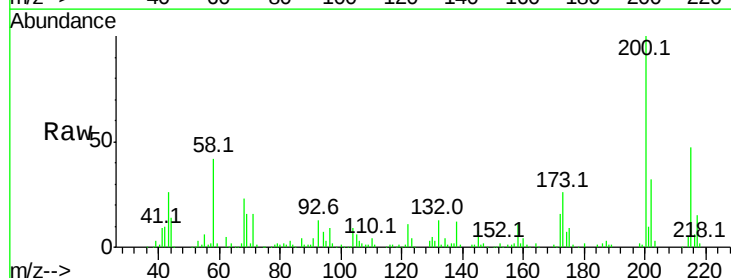
RT: 11.09 min Scan# 783

Delta R.T. -0.00 min

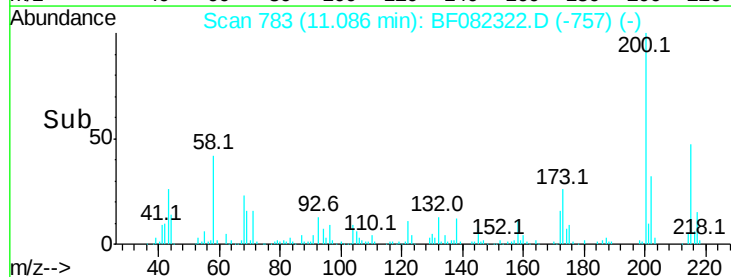
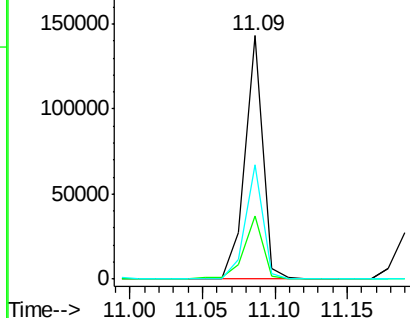
Lab File: BF082322.D

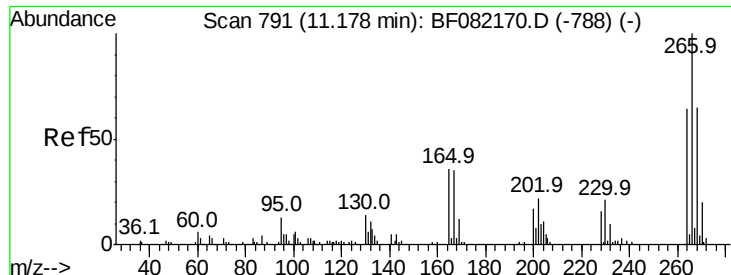
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	25.7	7.3	47.3	
215	46.8	26.2	66.2	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





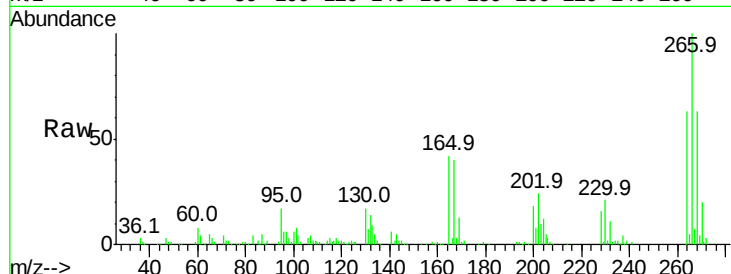
#69
 Pentachlorophenol
 Concen: 85.78 ng
 RT: 11.19 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

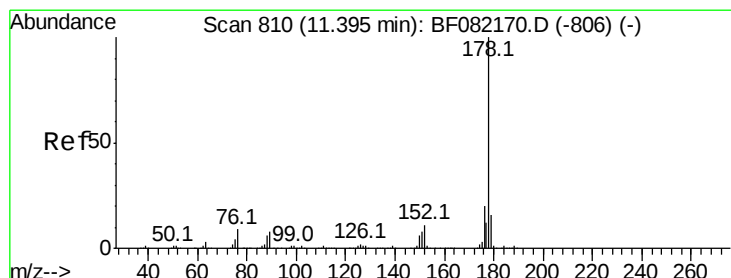
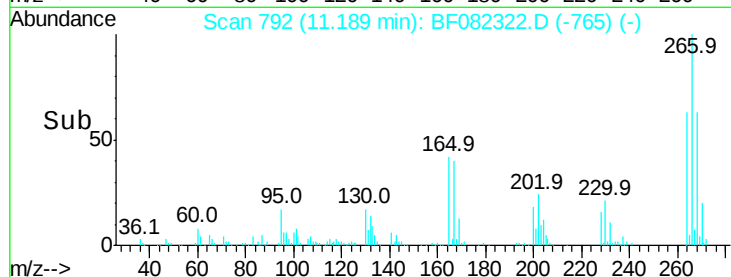
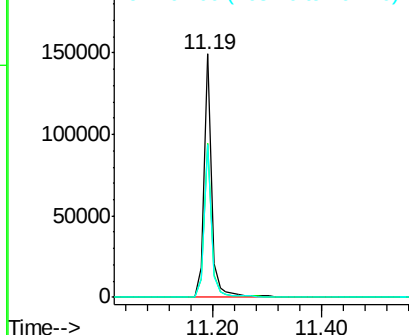
Tot Ion	Ratio	Resp	Lower	Upper
266	100	144885		
268	63.2	52.0	78.0	
264	62.8	51.4	77.0	

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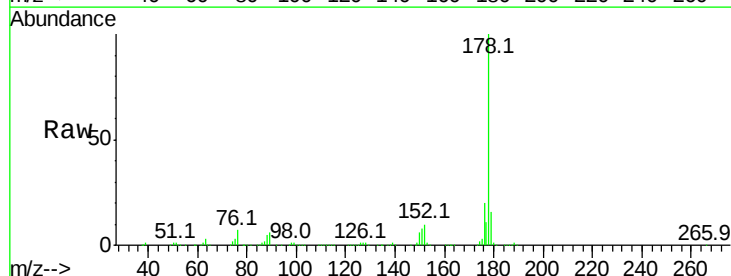


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

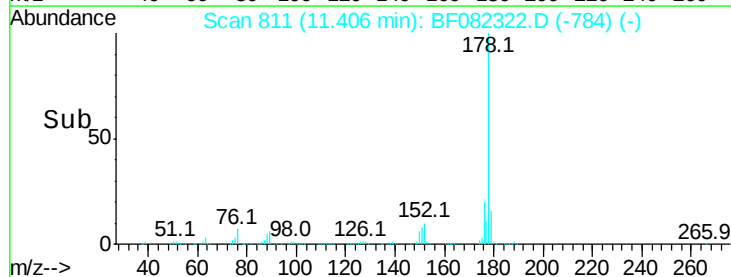
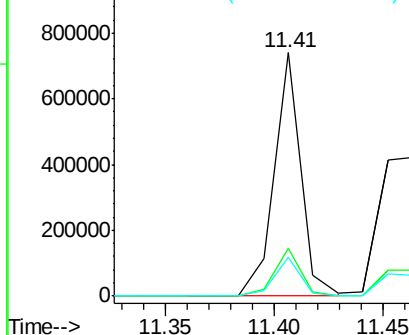


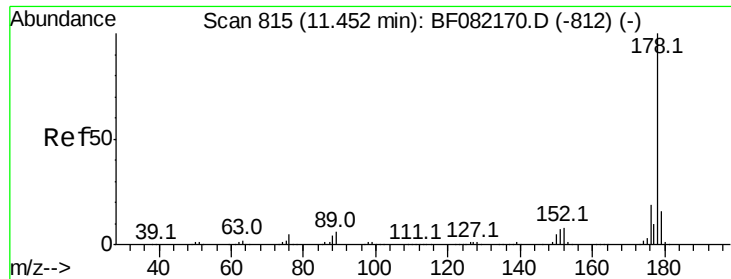
#70
 Phenanthrene
 Concen: 42.78 ng
 RT: 11.41 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	635883		
176	19.6	16.0	24.0	
179	16.0	12.6	19.0	



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





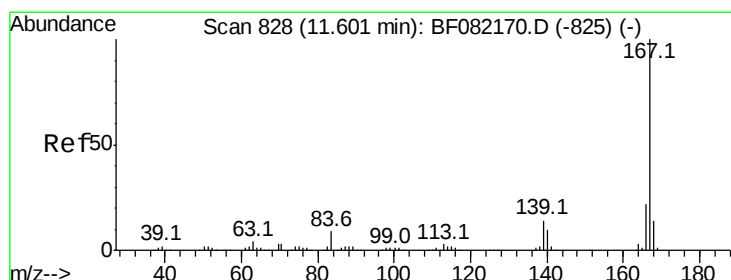
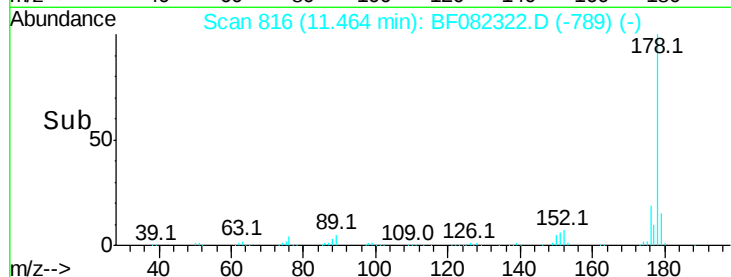
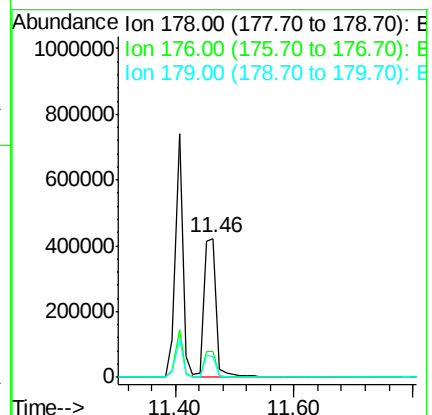
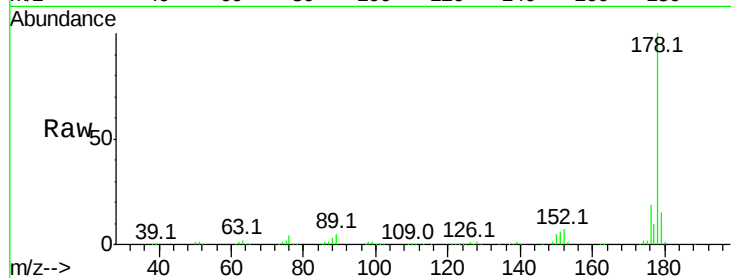
#71
 Anthracene
 Concen: 41.02 ng
 RT: 11.46 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.0	12.5	18.7

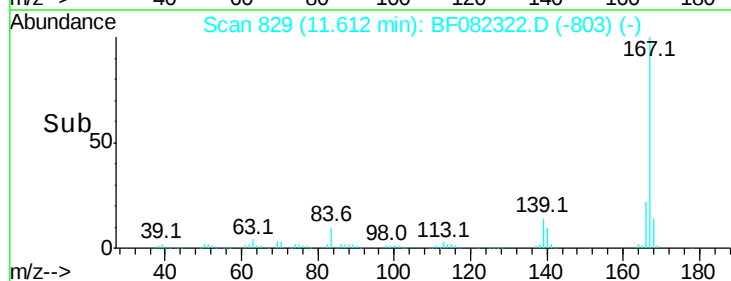
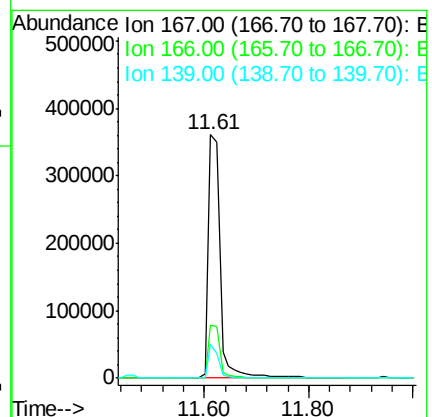
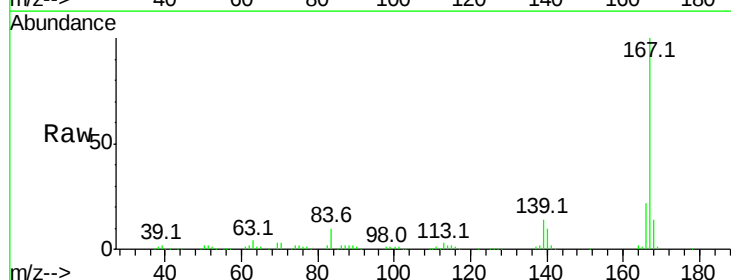
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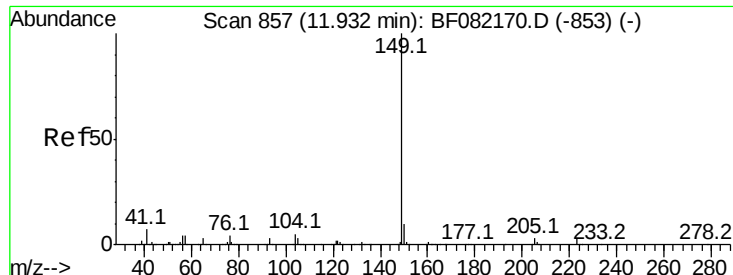
MMdadoda
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#72
 Carbazole
 Concen: 41.07 ng
 RT: 11.61 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	14.0	11.2	16.8





#73

Di-n-butylphthalate

Concen: 41.02 ng

RT: 11.94 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

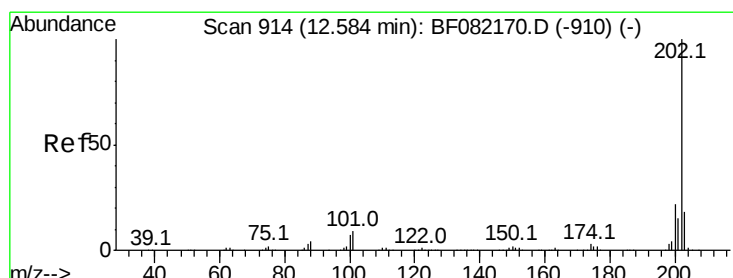
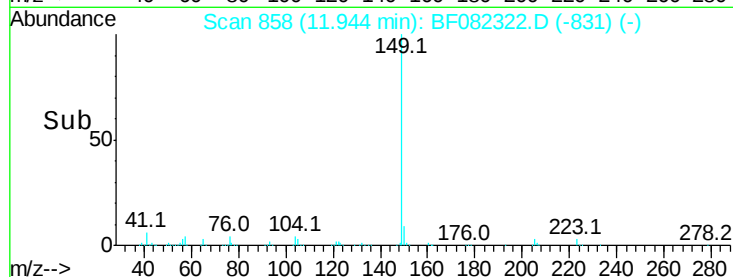
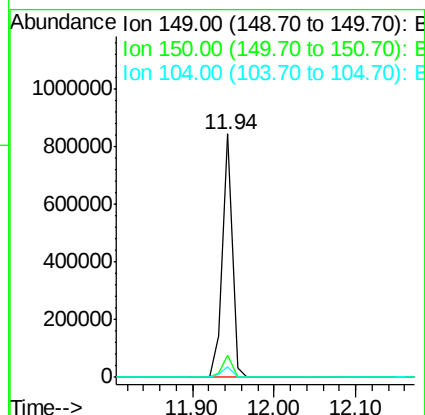
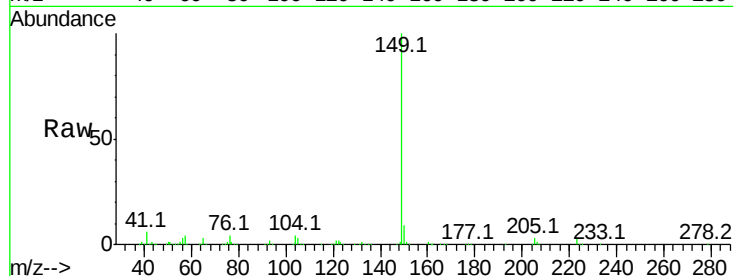
ClientSampleId :

PB86109BS

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Tot Ion:	149	Resp:	707206
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	4.5	3.8	5.8



#74

Fluoranthene

Concen: 42.46 ng

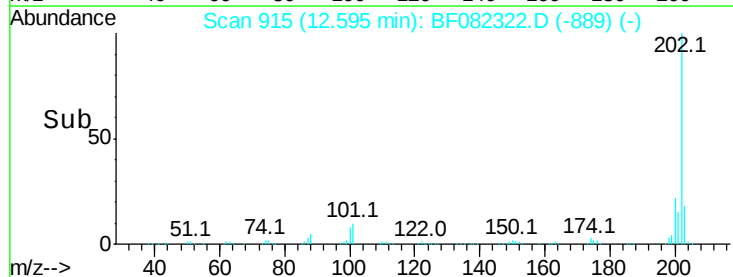
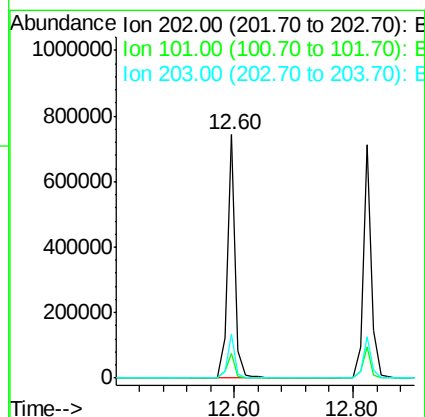
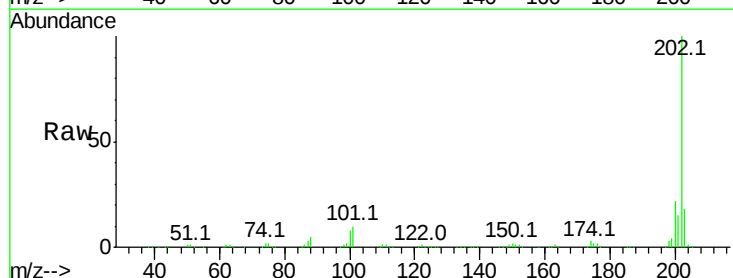
RT: 12.60 min Scan# 915

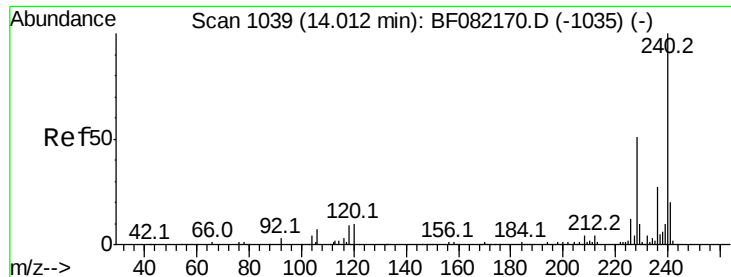
Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	202	Resp:	677892
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	29.3
203	18.1	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1046

Delta R.T. 0.02 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

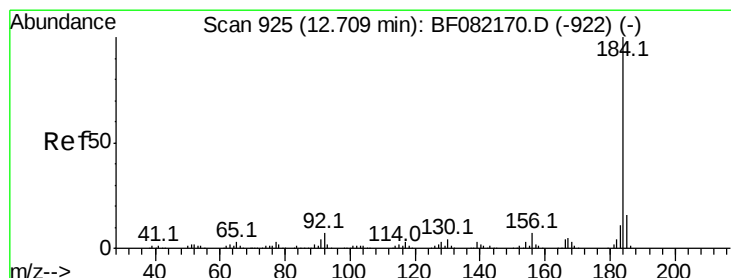
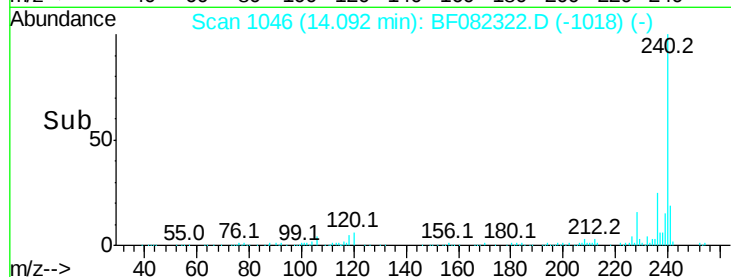
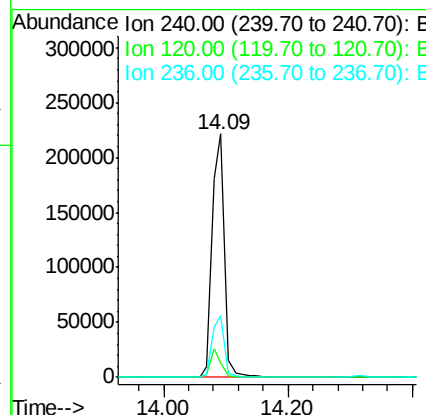
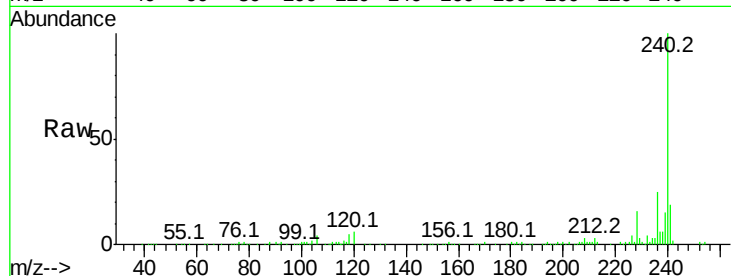
ClientSampleId :

PB86109BS

Tot Ion:	240	Resp:	303002
Ion Ratio	Lower	Upper	
240	100		
120	6.1	8.1	12.1#
236	25.4	21.3	31.9

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#76

Benzidine

Concen: 22.97 ng

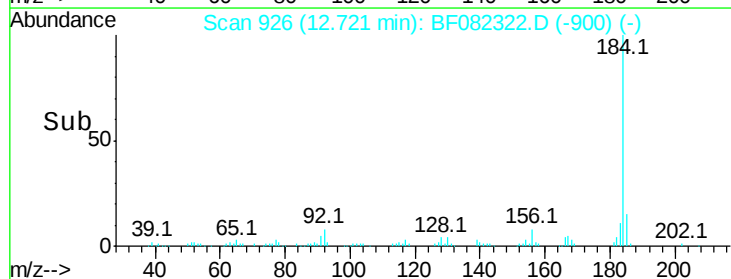
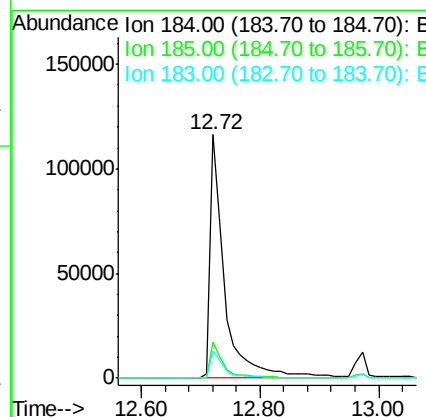
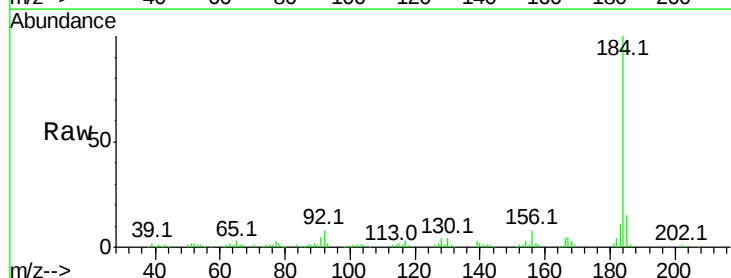
RT: 12.72 min Scan# 926

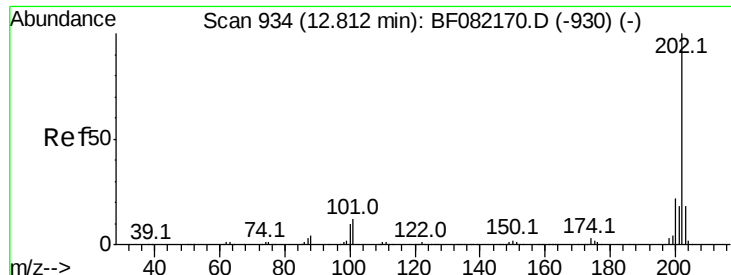
Delta R.T. -0.00 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	184	Resp:	201670
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.5	18.7
183	11.1	9.1	13.7





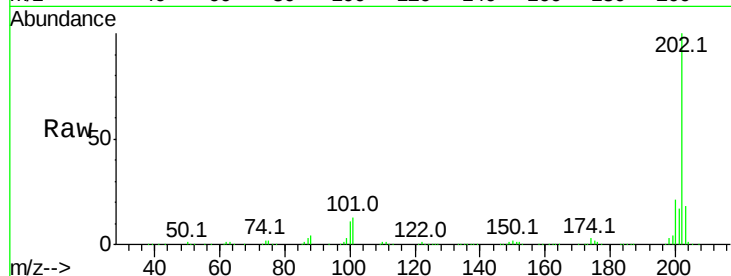
#77
Pvrene
Concen: 37.11 ng
RT: 12.82 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

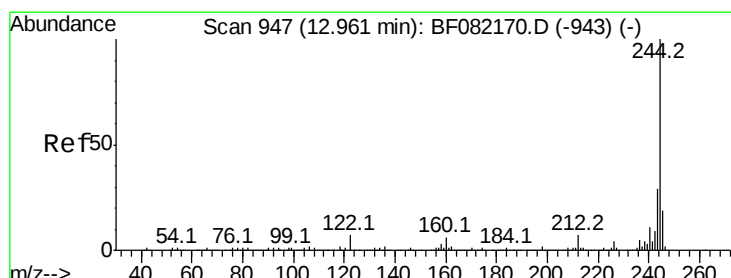
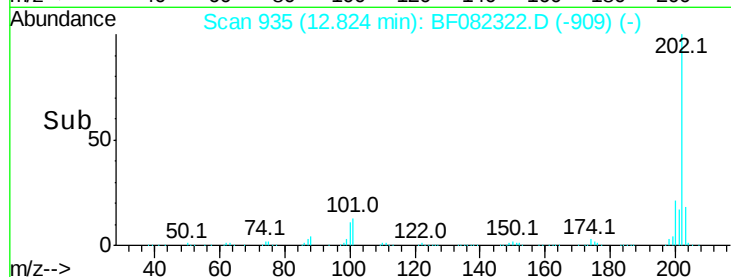
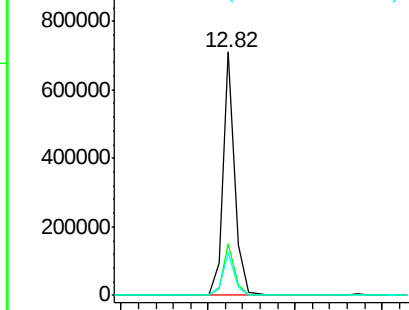
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.9	26.9
203	17.7	14.5	21.7

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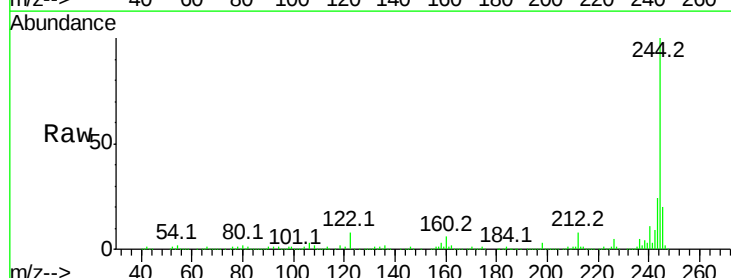


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

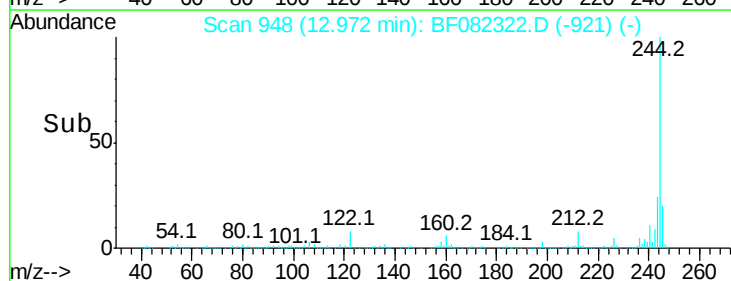
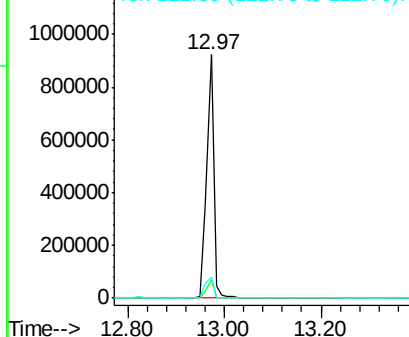


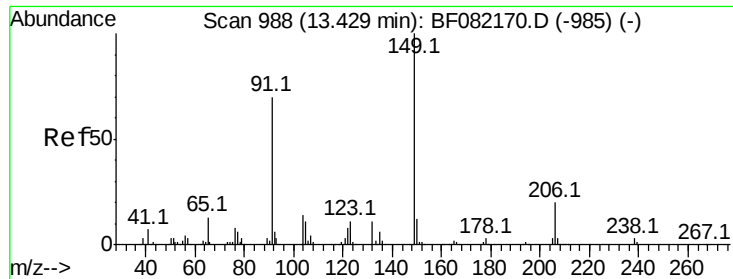
#78
Terphenyl-d14
Concen: 81.76 ng
RT: 12.97 min Scan# 948
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.4	5.9	8.9



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





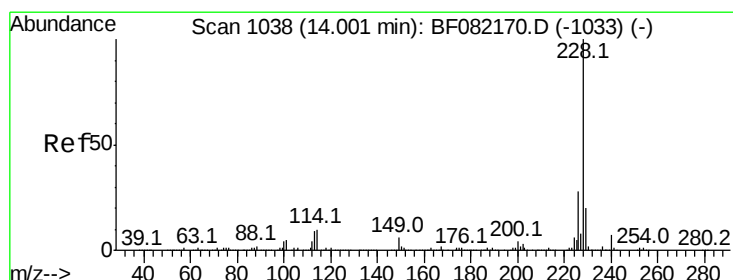
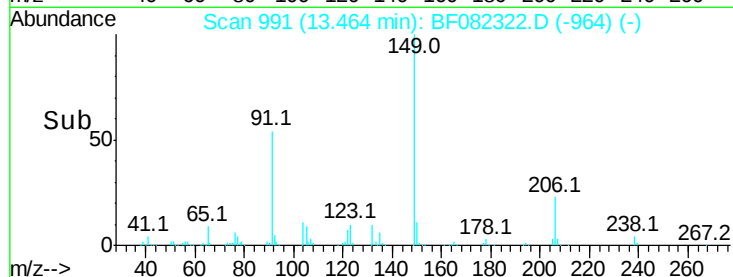
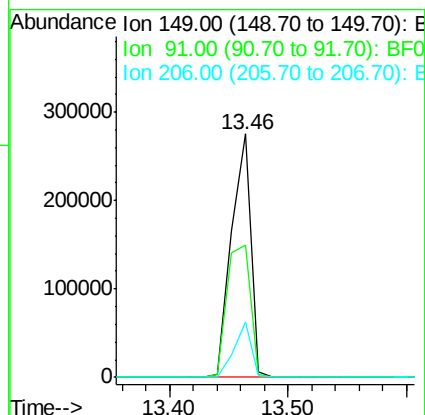
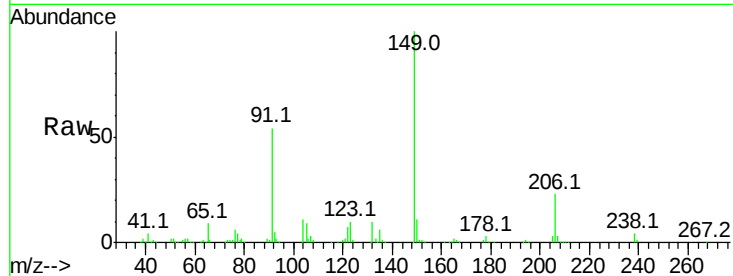
#79
Butylbenzylphthalate
Concen: 37.93 ng
RT: 13.46 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	311248		
91	54.3		55.7	83.5#
206	22.8		15.6	23.4

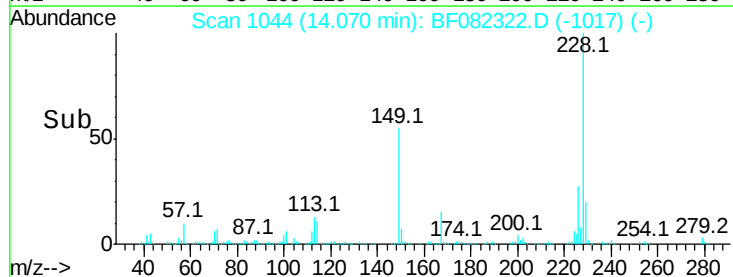
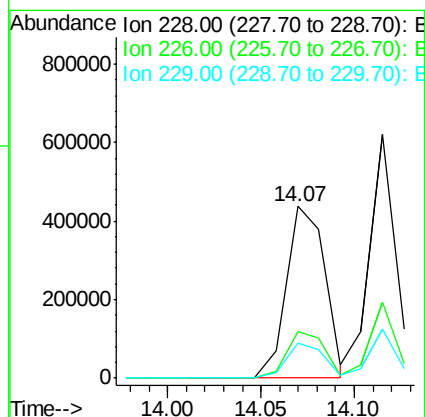
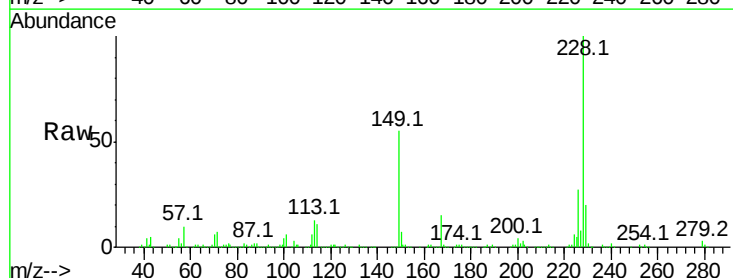
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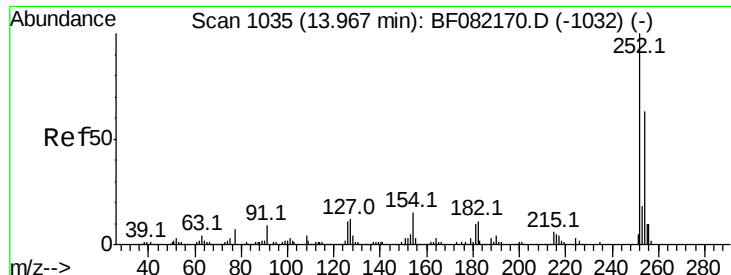
MMdadoda
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#80
Benzo(a)anthracene
Concen: 40.08 ng
RT: 14.07 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	631796		
226	27.2		22.3	33.5
229	20.0		16.2	24.2





#81

3,3'-Dichlorobenzidine

Concen: 27.05 ng

RT: 14.04 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

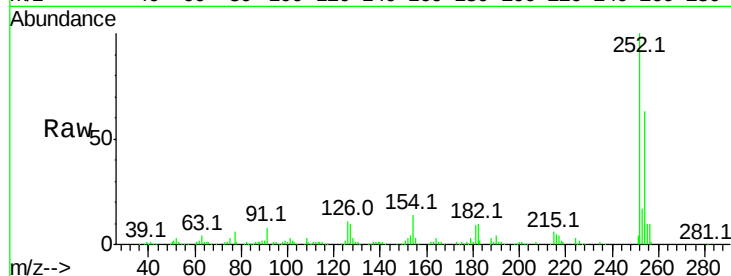
ClientSampleId :

PB86109BS

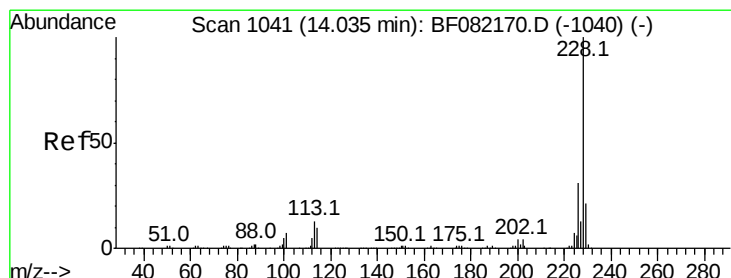
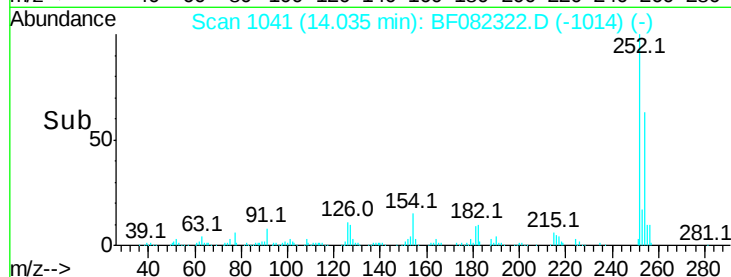
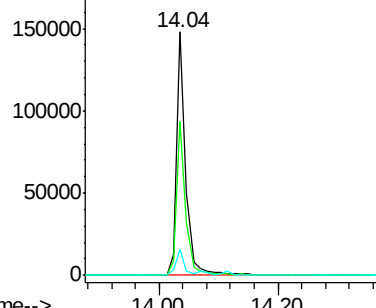
Tot Ion:	252	Resp:	161855
Ion Ratio	Lower	Upper	
252	100		
254	63.1	50.7	76.1
126	10.7	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 37.71 ng

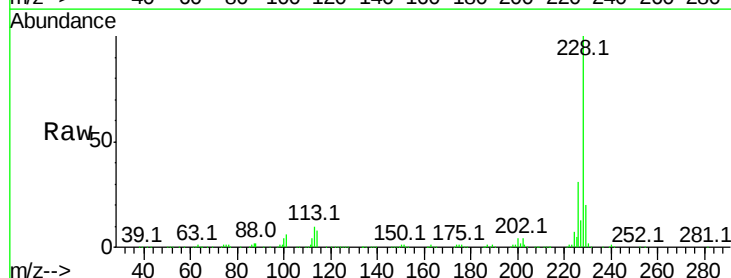
RT: 14.12 min Scan# 1048

Delta R.T. 0.02 min

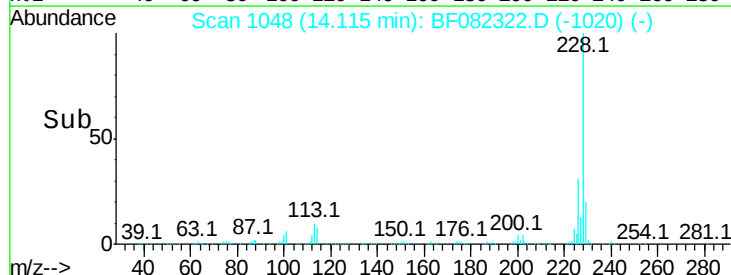
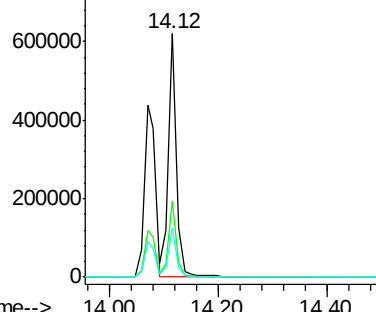
Lab File: BF082322.D

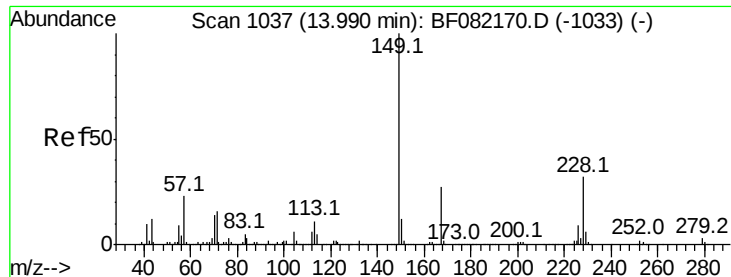
Acq: 16 Oct 2015 13:17

Tgt Ion:	228	Resp:	626430
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	20.0	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 35.23 ng

RT: 14.06 min Scan# 1043

Delta R.T. 0.02 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

ClientSampleId :

PB86109BS

Tot Ion:149 Resp: 412498
Ion Ratio Lower Upper

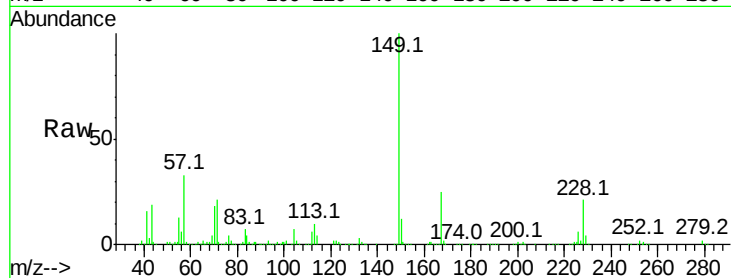
149 100

167 25.0 21.3 31.9

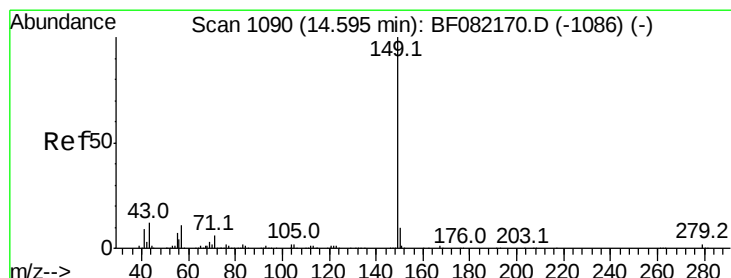
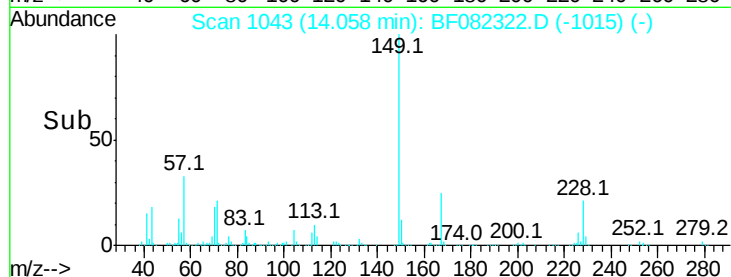
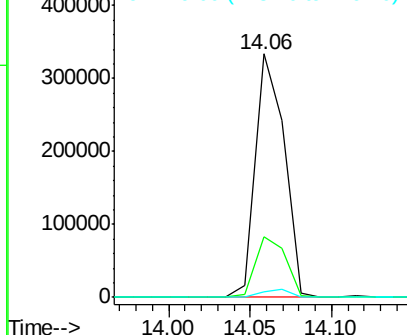
279 2.1 2.6 4.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 35.26 ng

RT: 14.77 min Scan# 1105

Delta R.T. 0.05 min

Lab File: BF082322.D

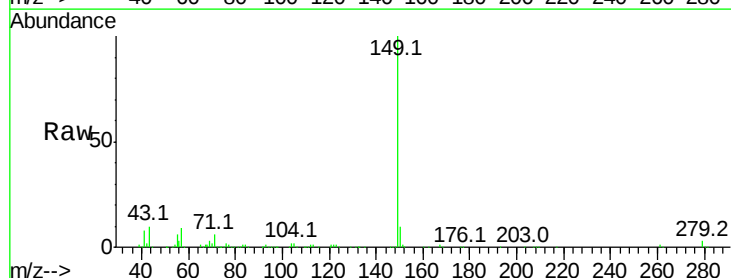
Acq: 16 Oct 2015 13:17

Tgt Ion:149 Resp: 708982
Ion Ratio Lower Upper

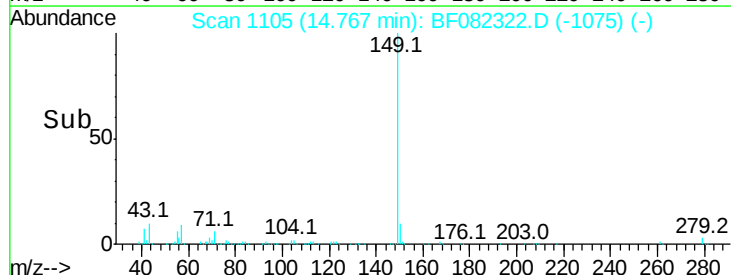
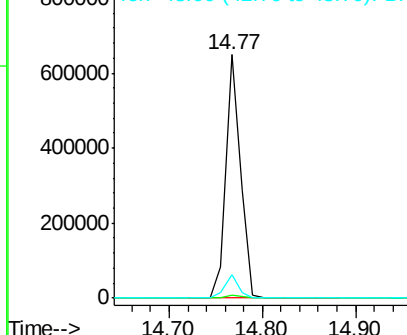
149 100

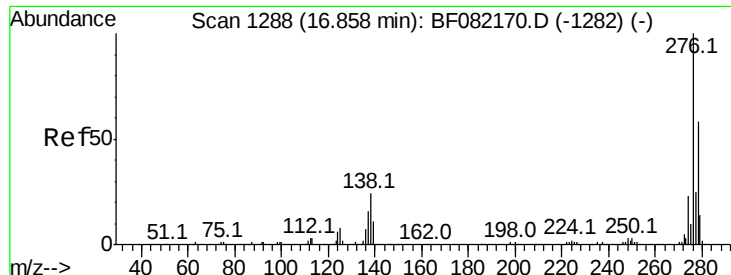
167 1.5 1.3 1.9

43 9.0 7.4 11.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





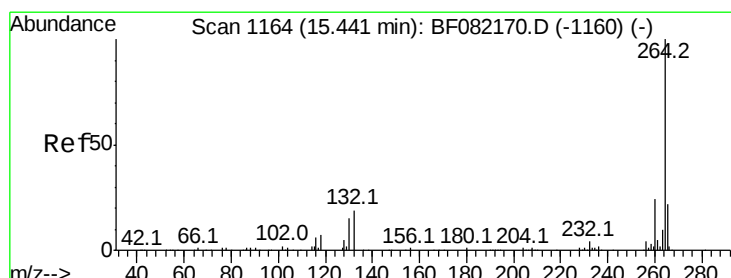
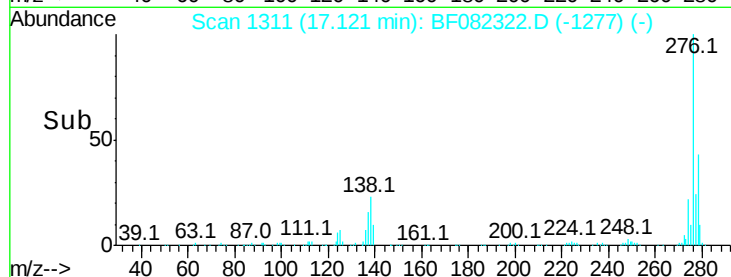
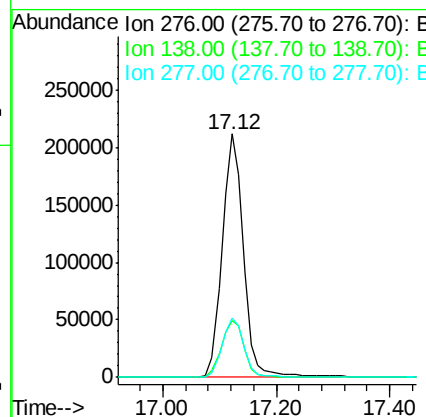
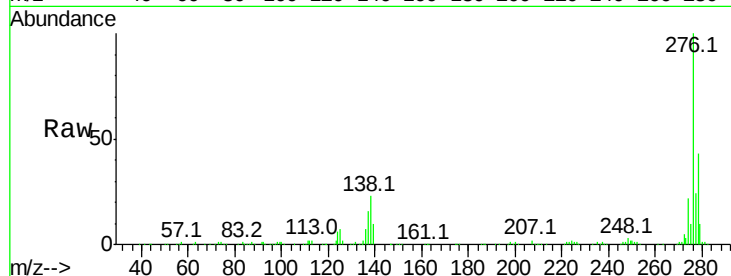
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.94 ng
 RT: 17.12 min Scan# 1311
 Delta R.T. 0.09 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.7	29.5
277	25.0	20.1	30.1

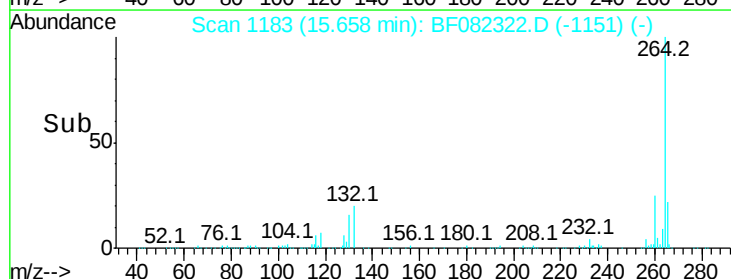
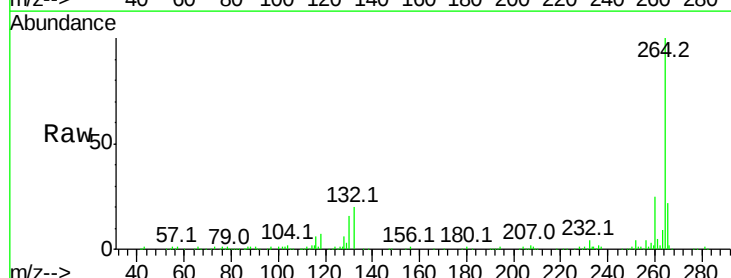
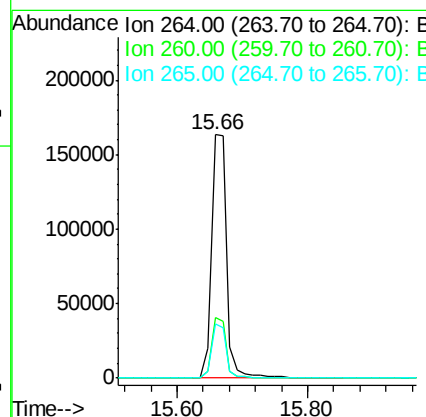
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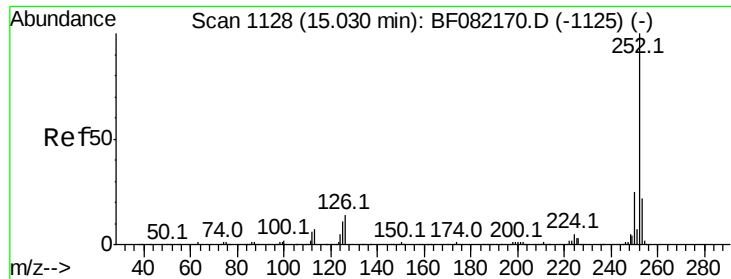
MMdadoda
 10/19/2015 5:32:04 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.66 min Scan# 1183
 Delta R.T. 0.07 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 44.28 ng m

RT: 15.24 min Scan# 1146

Delta R.T. 0.07 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Instrument :

BNA_F

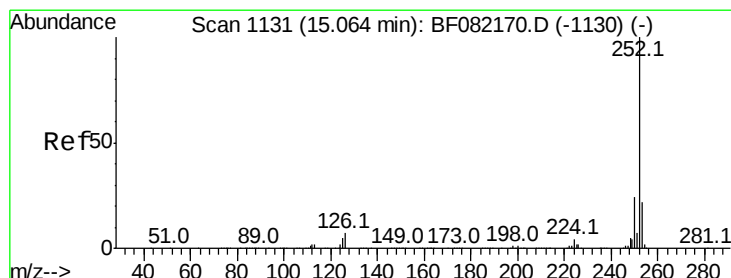
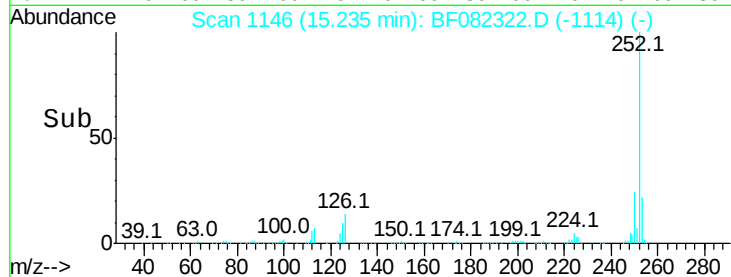
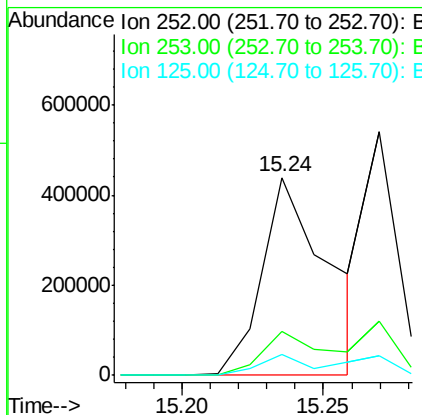
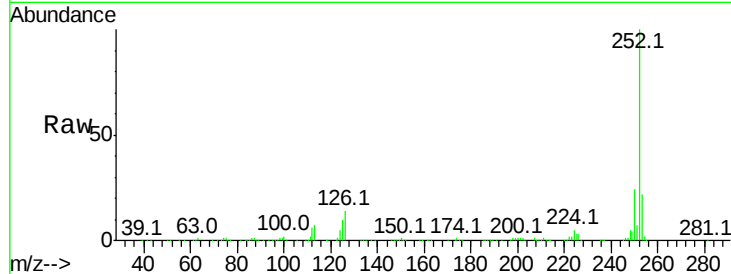
ClientSampleId :

PB86109BS

Tot Ion:	252	Resp:	712655
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	10.3	8.6	12.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 33.76 ng m

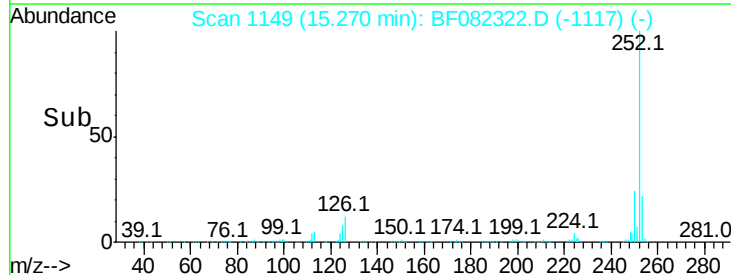
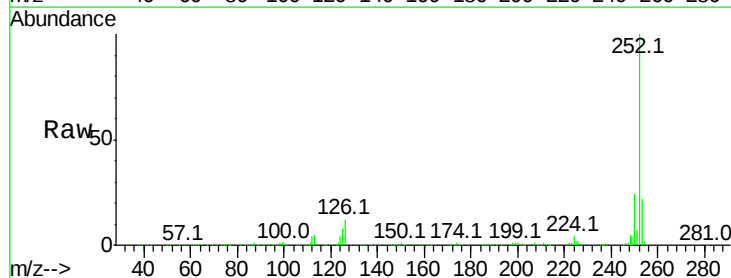
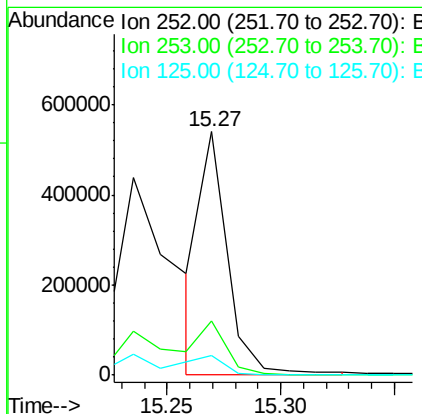
RT: 15.27 min Scan# 1149

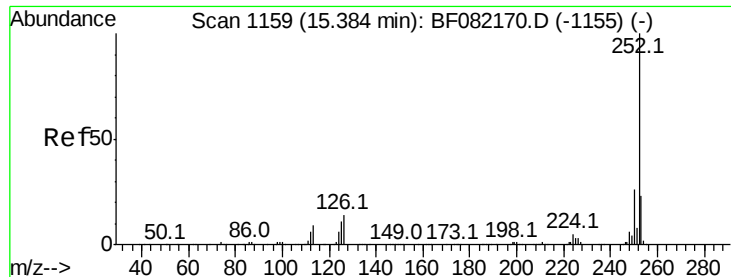
Delta R.T. 0.07 min

Lab File: BF082322.D

Acq: 16 Oct 2015 13:17

Tgt Ion:	252	Resp:	456593
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	8.2	6.7	10.1





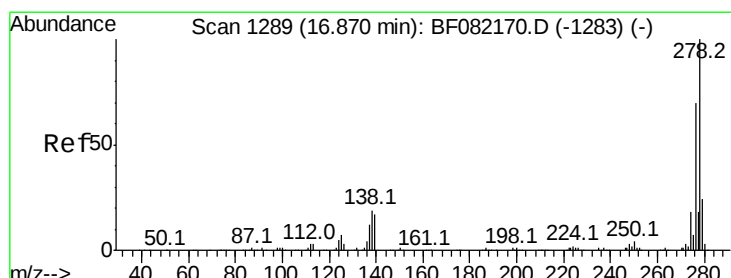
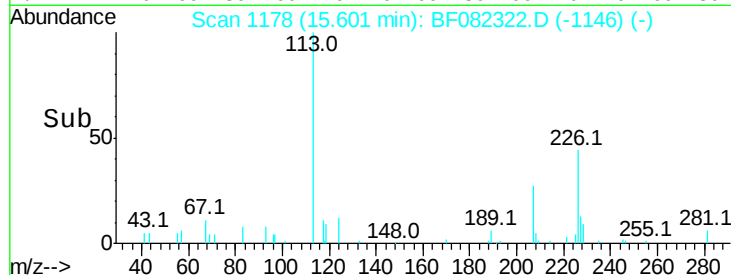
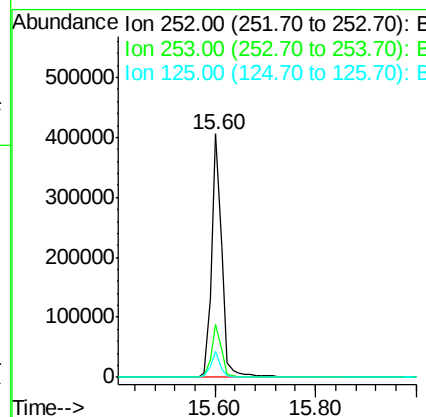
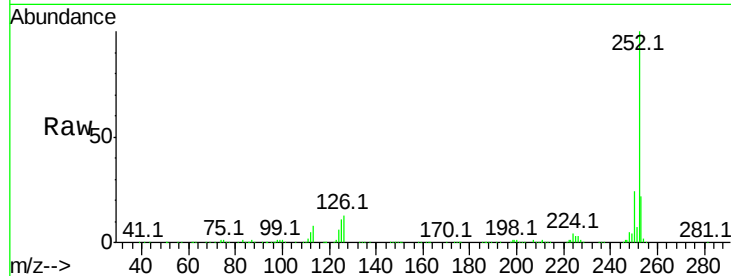
#89
Benzo(a)pyrene
Concen: 40.81 ng
RT: 15.60 min Scan# 1178
Delta R.T. 0.07 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Instrument :
BNA_F
ClientSampleId :
PB86109BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.7	8.9	13.3

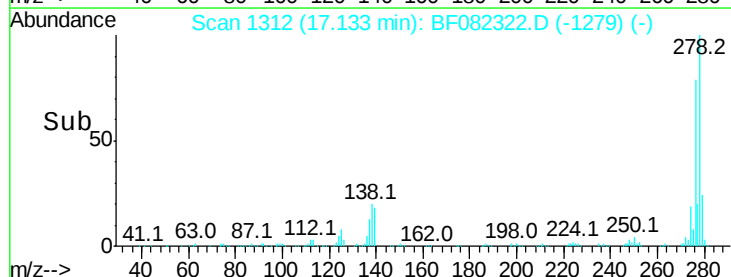
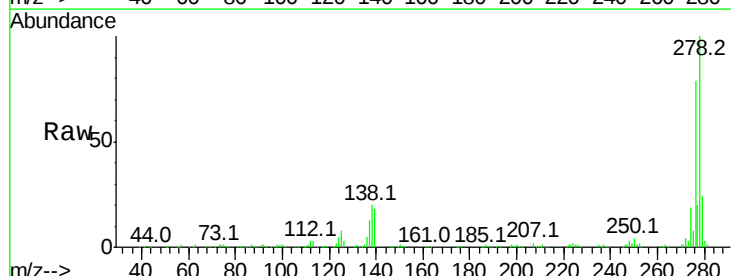
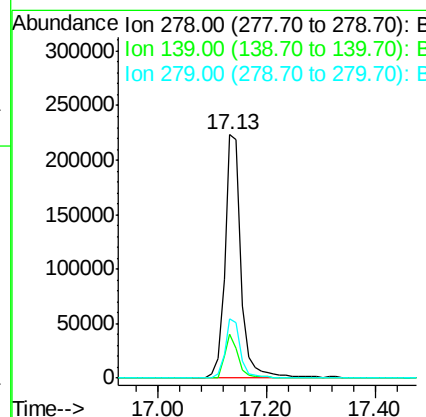
Manual Integrations
APPROVED

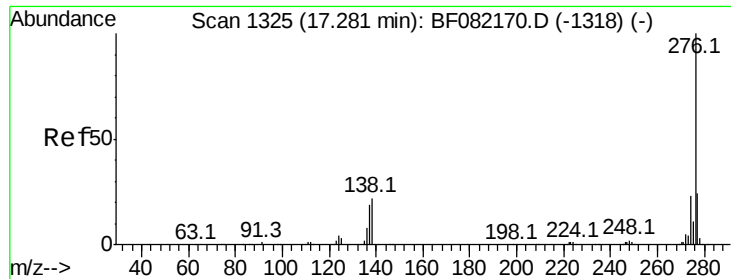
MMdadoda
10/19/2015 5:32:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 41.35 ng
RT: 17.13 min Scan# 1312
Delta R.T. 0.08 min
Lab File: BF082322.D
Acq: 16 Oct 2015 13:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.3	19.9
279	24.3	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 42.56 ng
 RT: 17.56 min Scan# 1349
 Delta R.T. 0.09 min
 Lab File: BF082322.D
 Acq: 16 Oct 2015 13:17

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.1	18.8	28.2
138	22.0	17.4	26.2

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 5:32:04 PM

