

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082162.D
 Acq On : 9 Oct 2015 23:47
 Operator : UM/IZ
 Sample : G3928-04MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:46:24 PM

Quant Time: Oct 10 05:10:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	88119	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	332139	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	149303	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	245124	20.00	ng	0.00
75) Chrysene-d12	14.02	240	188819	20.00	ng	-0.01
86) Perylene-d12	15.46	264	133326	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	622352	128.21	ng	0.02
7) Phenol-d6	6.49	99	780290	127.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	380500	76.37	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	155798	103.04	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	791191	89.62	ng	0.00
78) Terphenyl-d14	12.97	244	618675	118.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	83854	39.72	ng	89
3) Pyridine	3.25	79	238138	43.33	ng	89
4) n-Nitrosodimethylamine	3.22	42	99309	39.78	ng	96
6) Aniline	6.51	93	218207	26.59	ng	# 20
8) 2-Chlorophenol	6.64	128	252113	47.03	ng	96
9) Benzaldehyde	6.40	77	45943	11.49	ng	# 84
10) Phenol	6.51	94	276342	40.33	ng	# 39
11) bis(2-Chloroethyl)ether	6.59	93	253000	47.61	ng	95
12) 1,3-Dichlorobenzene	6.79	146	265829	41.98	ng	# 94
13) 1,4-Dichlorobenzene	6.87	146	285613	43.20	ng	# 93
14) 1,2-Dichlorobenzene	7.02	146	248457m	42.17	ng	
15) Benzyl Alcohol	7.01	79	190192	43.14	ng	# 80
16) 2,2'-oxybis(1-Chloropropan	7.13	45	329437	43.86	ng	79
17) 2-Methylphenol	7.12	107	199240	45.84	ng	# 84
18) Hexachloroethane	7.36	117	73511	35.51	ng	# 84
19) n-Nitroso-di-n-propylamine	7.27	70	157501	42.43	ng	# 78
20) 3+4-Methylphenols	7.27	107	227380	41.42	ng	# 57
22) Acetophenone	7.27	105	316118	46.55	ng	# 77
24) Nitrobenzene	7.44	77	228848	42.30	ng	# 67
25) Isophorone	7.68	82	447118	45.27	ng	# 90
26) 2-Nitrophenol	7.76	139	98733	38.02	ng	# 78
27) 2,4-Dimethylphenol	7.79	122	209716	45.90	ng	# 79
28) bis(2-Chloroethoxy)methane	7.90	93	292896	49.94	ng	# 93
29) 2,4-Dichlorophenol	8.00	162	207318	46.80	ng	96
30) 1,2,4-Trichlorobenzene	8.08	180	221659	44.82	ng	97
31) Naphthalene	8.16	128	665262	45.20	ng	97
32) Benzoic acid	7.86	122	3520m	8.44	ng	
33) 4-Chloroaniline	8.22	127	117746	18.50	ng	# 94
34) Hexachlorobutadiene	8.27	225	136884	46.80	ng	98
35) Caprolactam	8.59	113	59381	48.42	ng	98
36) 4-Chloro-3-methylphenol	8.71	107	207815	47.97	ng	89
37) 2-Methylnaphthalene	8.86	142	467929	46.58	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	205694	44.88	ng	98
40) Hexachlorocyclopentadiene	9.01	237	27987	11.86	ng	98

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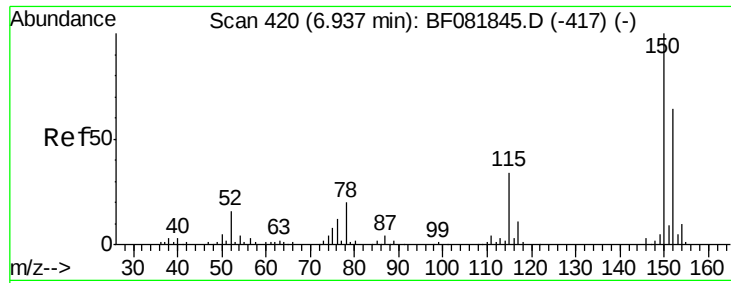
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	138462	44.06	ng	96
43) 2,4,5-Trichlorophenol	9.18	196	135555m	41.95	ng	
45) 1,1'-Biphenyl	9.33	154	512109	44.46	ng	93
46) 2-Chloronaphthalene	9.35	162	422982	46.77	ng	98
47) 2-Nitroaniline	9.45	65	127097	47.87	ng	94
48) Acenaphthylene	9.76	152	623478	43.07	ng	96
49) Dimethylphthalate	9.62	163	613418	59.52	ng	# 98
50) 2,6-Dinitrotoluene	9.69	165	98046	43.82	ng	# 92
51) Acenaphthene	9.93	154	363043	42.23	ng	89
52) 3-Nitroaniline	9.86	138	100981	39.01	ng	# 87
54) Dibenzofuran	10.10	168	547159	45.04	ng	# 89
55) 4-Nitrophenol	10.02	139	112573	60.19	ng	# 41
56) 2,4-Dinitrotoluene	10.09	165	111953	39.25	ng	# 82
57) Fluorene	10.45	166	406410	46.86	ng	93
58) 2,3,4,6-Tetrachlorophenol	10.23	232	106746	41.64	ng	# 92
59) Diethylphthalate	10.32	149	452922	47.05	ng	99
60) 4-Chlorophenyl-phenylether	10.43	204	187714	42.21	ng	# 81
61) 4-Nitroaniline	10.48	138	101778	39.21	ng	# 66
62) Azobenzene	10.59	77	408597	43.49	ng	88
64) 4,6-Dinitro-2-methylphenol	10.50	198	7327	8.93	ng	76
65) n-Nitrosodiphenylamine	10.56	169	372229	50.19	ng	92
66) 4-Bromophenyl-phenylether	10.93	248	115105	46.57	ng	95
67) Hexachlorobenzene	10.99	284	121669	43.62	ng	# 79
68) Atrazine	11.09	200	99844	43.39	ng	83
69) Pentachlorophenol	11.19	266	119420	75.14	ng	100
70) Phenanthrene	11.41	178	534252	45.30	ng	96
71) Anthracene	11.46	178	571685	45.89	ng	99
72) Carbazole	11.62	167	490320	43.48	ng	97
73) Di-n-butylphthalate	11.94	149	646325	56.62	ng	# 98
74) Fluoranthene	12.60	202	531577	40.48	ng	90
76) Benzidine	12.73	184	324214	56.99	ng	97
77) Pyrene	12.82	202	527905	46.80	ng	96
79) Butylbenzylphthalate	13.44	149	244910	57.70	ng	# 85
80) Benzo(a)anthracene	14.01	228	438706	43.15	ng	96
81) 3,3'-Dichlorobenzidine	13.98	252	158856	46.26	ng	# 94
82) Chrysene	14.06	228	442025	61.99	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	439851	82.61	ng	# 93
84) Di-n-octyl phthalate	14.62	149	597837	69.00	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.88	276	308106	38.74	ng	# 87
87) Benzo(b)fluoranthene	15.05	252	375517m	49.33	ng	
88) Benzo(k)fluoranthene	15.08	252	322644m	46.25	ng	
89) Benzo(a)pyrene	15.41	252	320709	48.57	ng	# 85
90) Dibenzo(a,h)anthracene	16.89	278	261479	47.20	ng	# 82
91) Benzo(g,h,i)perylene	17.32	276	246205	43.37	ng	# 74

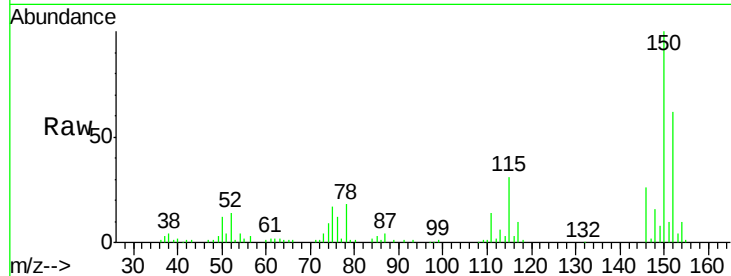
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 413
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

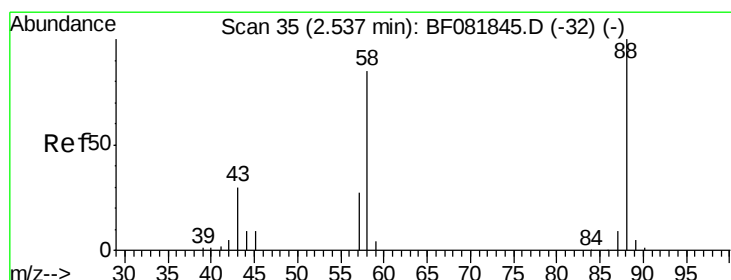
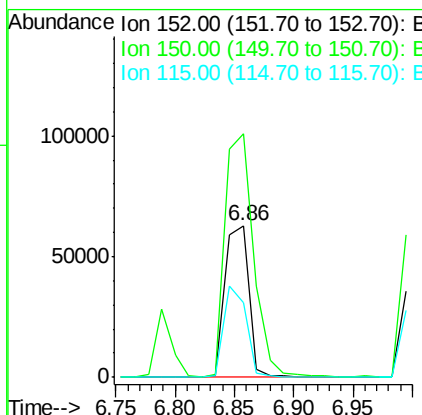
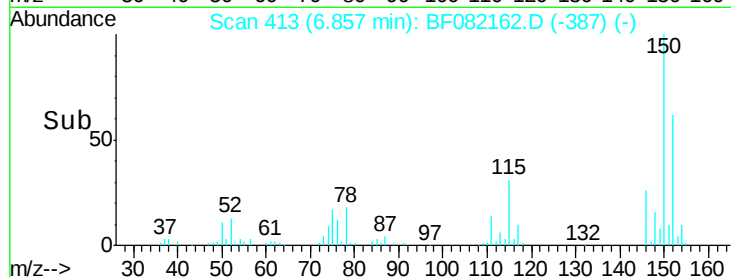
Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.7	187.1
115	49.0	39.0	58.4

Manual Integrations
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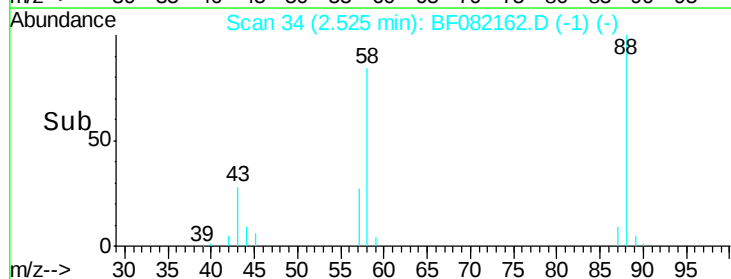
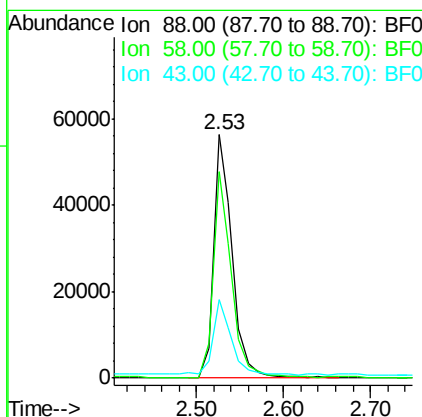
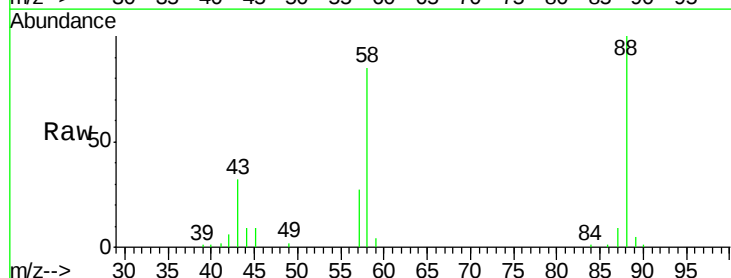
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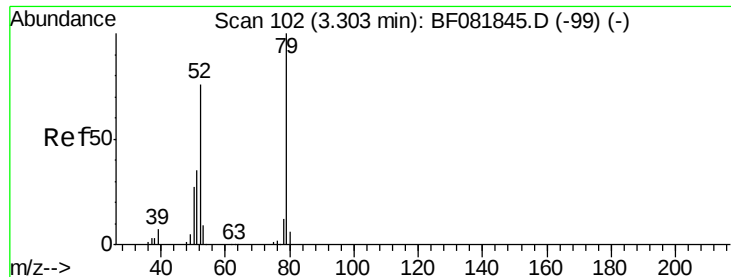


#2

1,4-Dioxane
Concen: 39.72 ng
RT: 2.53 min Scan# 34
Delta R.T. 0.08 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.1	77.7	116.5
43	30.9	26.6	40.0





#3

Pyridine

Concen: 43.33 ng

RT: 3.25 min Scan# 97

Delta R.T. 0.07 min

Lab File: BF082162.D

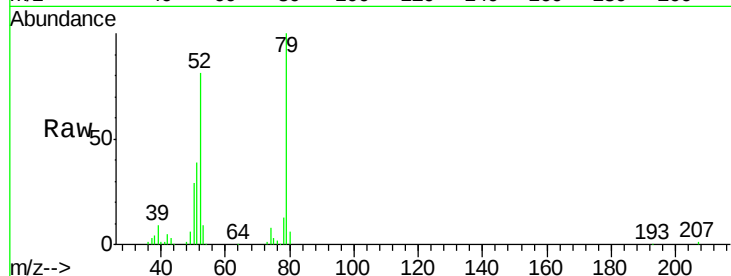
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

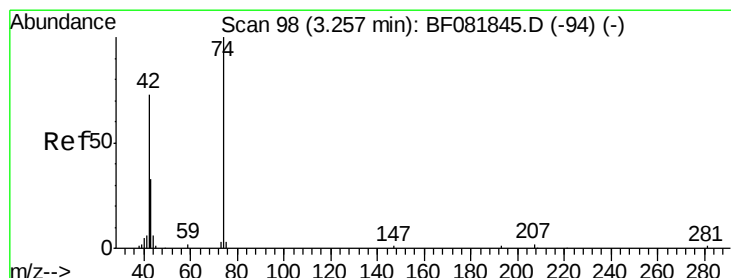
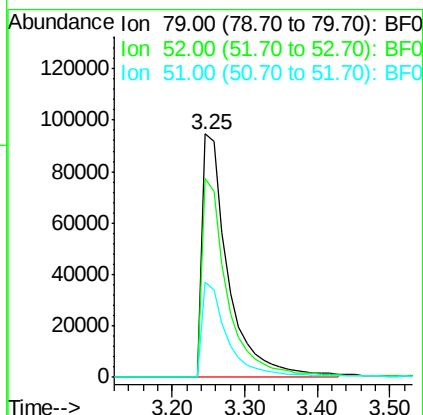
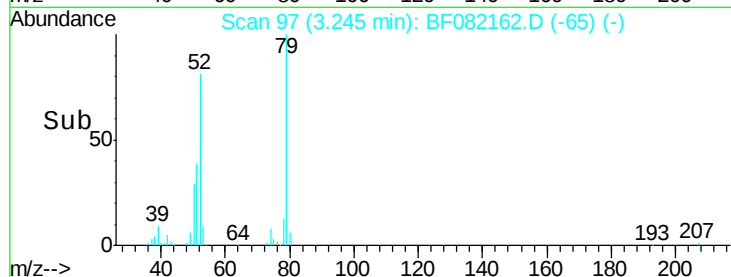
OS-SB-22(46-48)MS



Tgt Ion:	79	Resp:	238138
Ion	Ratio	Lower	Upper
79	100		
52	81.5	76.8	115.2
51	39.0	32.2	48.4

Manual Integrations
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#4

n-Nitrosodimethylamine

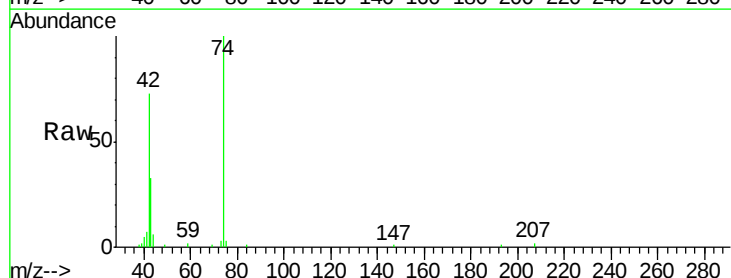
Concen: 39.78 ng

RT: 3.22 min Scan# 95

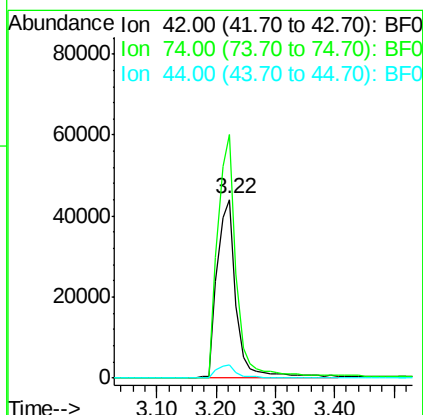
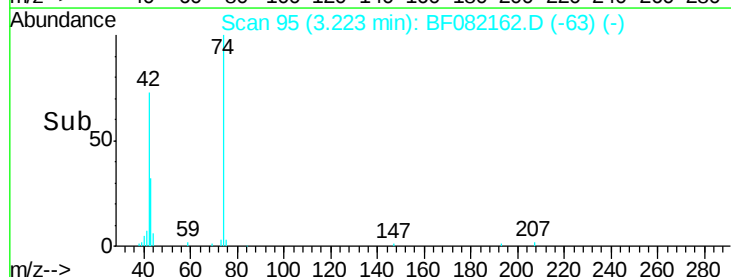
Delta R.T. 0.07 min

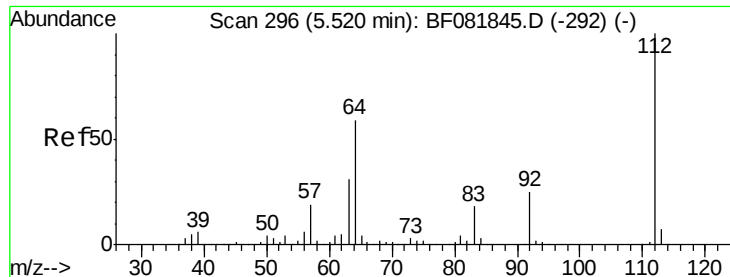
Lab File: BF082162.D

Acq: 9 Oct 2015 23:47



Tgt Ion:	42	Resp:	99309
Ion	Ratio	Lower	Upper
42	100		
74	136.4	105.0	157.6
44	7.7	6.6	10.0





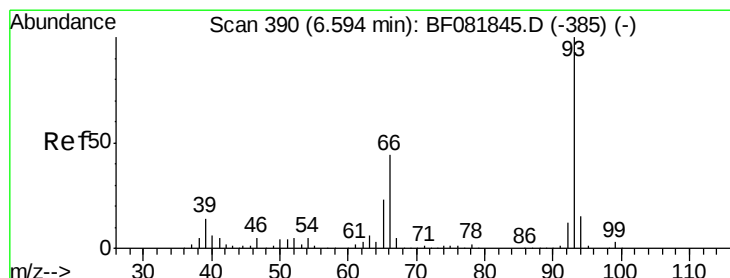
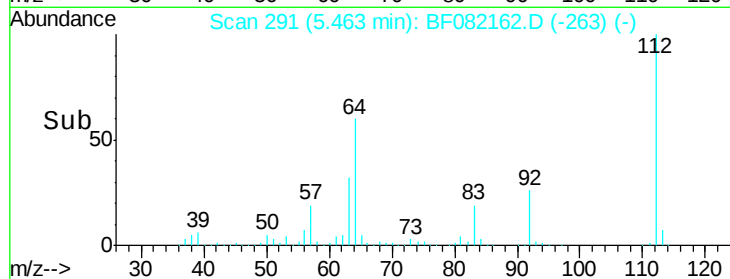
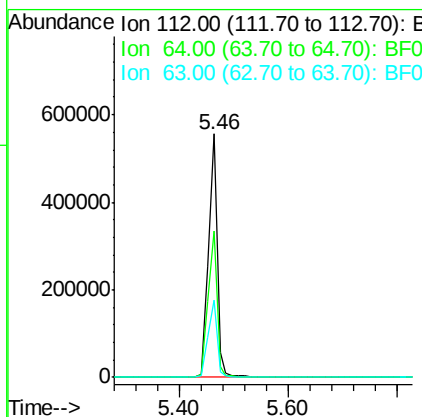
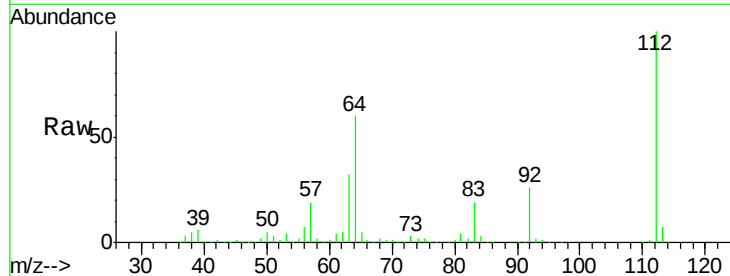
#5
 2-Fluorophenol
 Concen: 128.21 ng
 RT: 5.46 min Scan# 291
 Delta R.T. 0.02 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	60.1	39.7	59.5#
63	31.9	17.4	26.0#

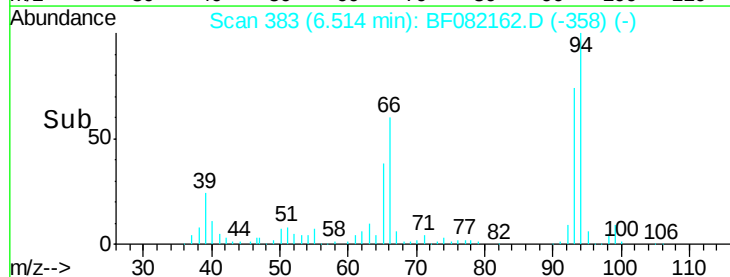
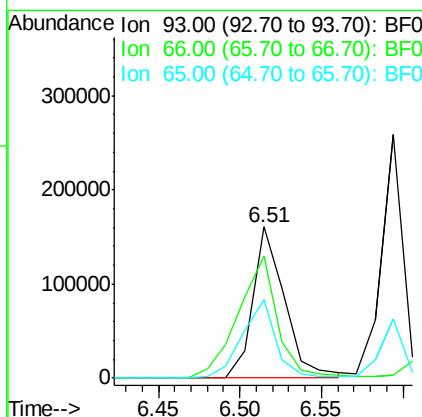
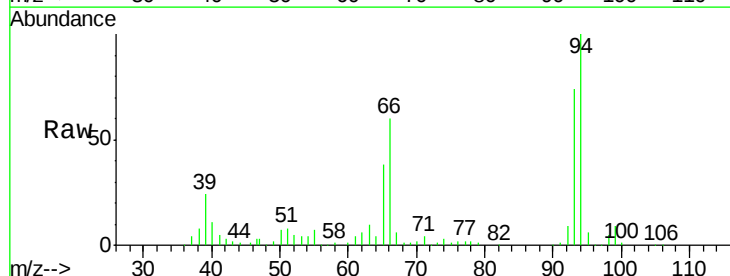
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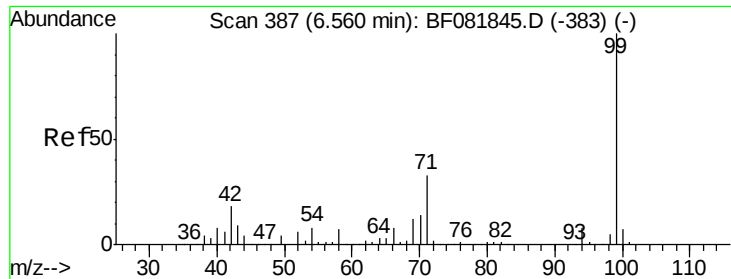
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#6
 Aniline
 Concen: 26.59 ng
 RT: 6.51 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	81.0	27.2	40.8#
65	51.7	14.7	22.1#





#7

Phenol-d6

Concen: 127.75 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

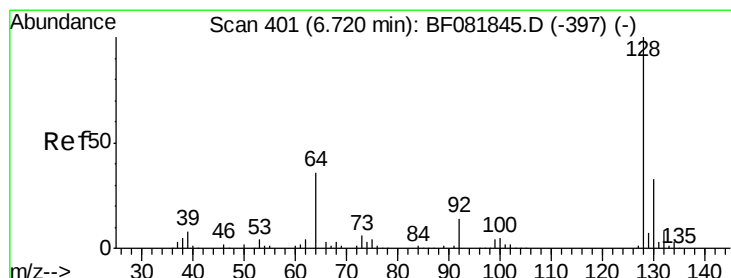
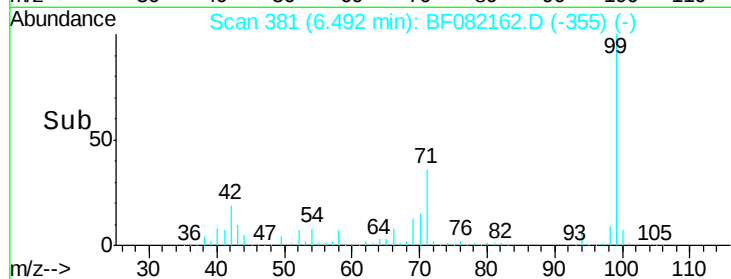
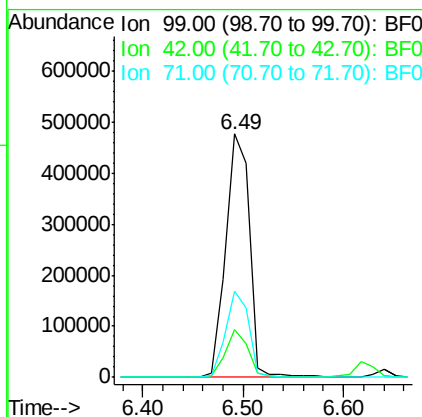
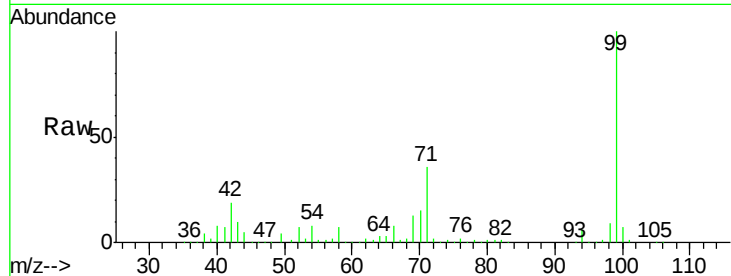
ClientSampleId :

OS-SB-22(46-48)MS

Tgt Ion:	99	Resp:	780290
Ion Ratio	Lower	Upper	
99	100		
42	19.4	13.7	20.5
71	35.6	14.2	21.2#

Manual Integrations
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#8

2-Chlorophenol

Concen: 47.03 ng

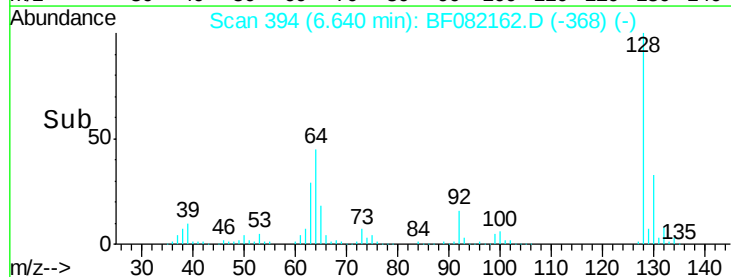
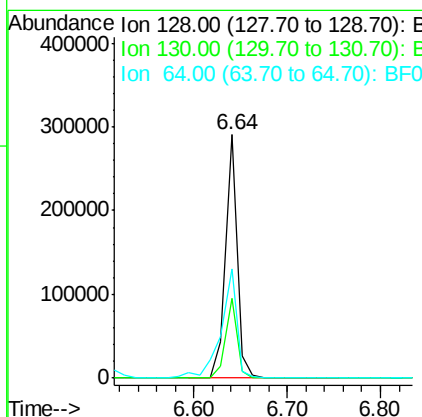
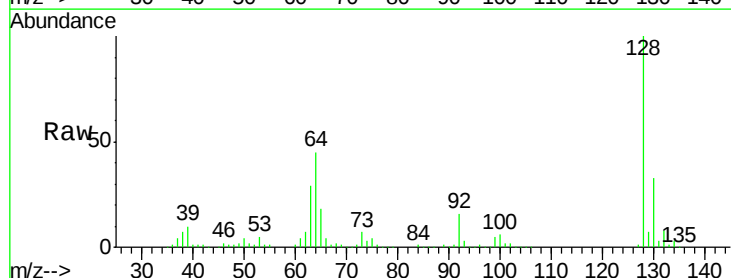
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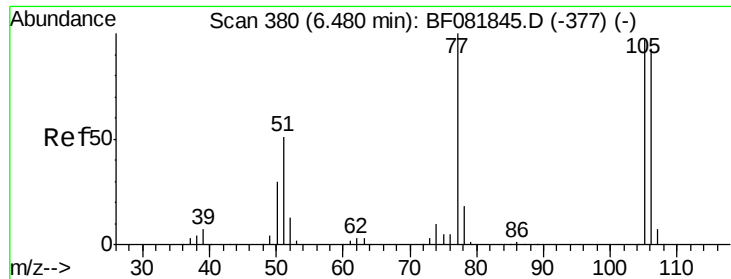
Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Tgt Ion:	128	Resp:	252113
Ion Ratio	Lower	Upper	
128	100		
130	32.9	12.2	52.2
64	44.9	20.5	60.5





#9

Benzaldehyde

Concen: 11.49 ng

RT: 6.40 min Scan# 373

Delta R.T. -0.00 min

Lab File: BF082162.D

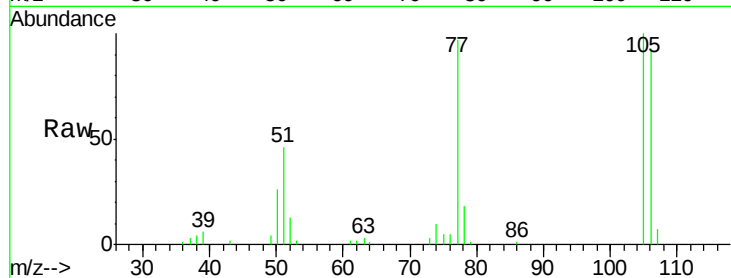
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

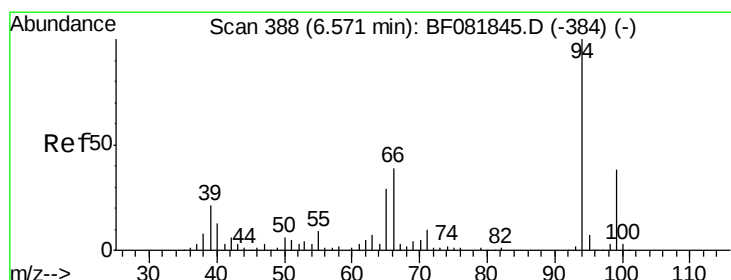
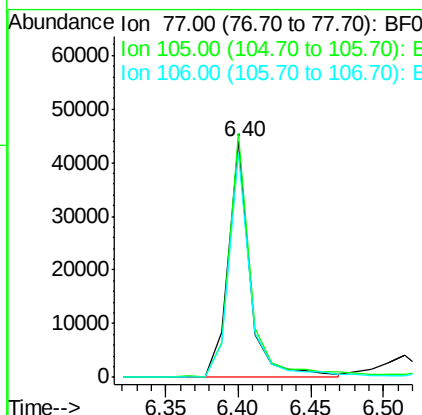
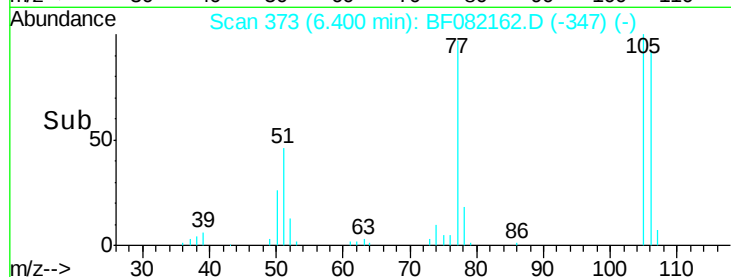
OS-SB-22(46-48)MS



Tgt Ion	Ratio	Lower	Upper
77	100		
105	103.3	91.6	131.6
106	95.3	102.6	142.6#

Manual Integrations
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#10

Phenol

Concen: 40.33 ng

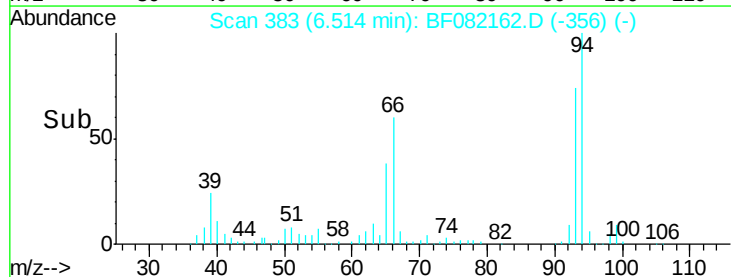
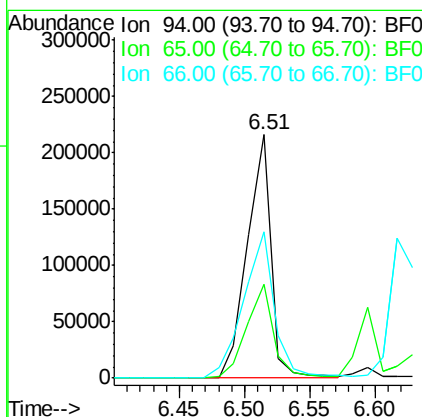
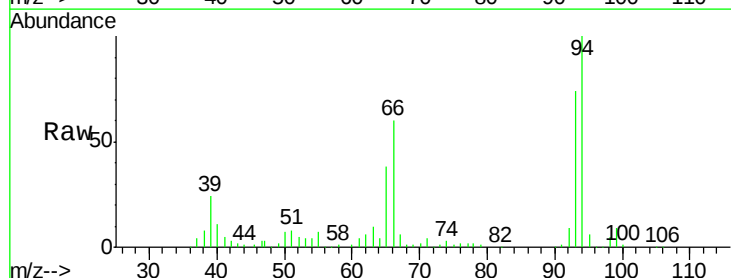
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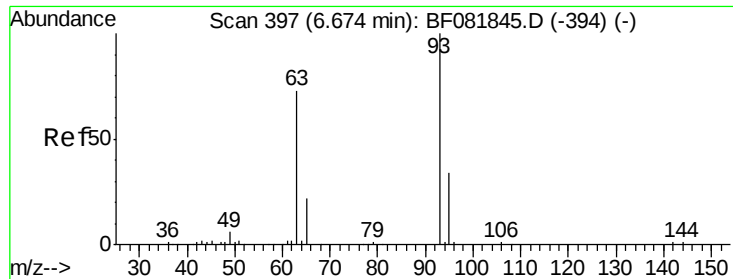
Delta R.T. 0.01 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
94	100		
65	38.4	0.7	40.7
66	60.2	0.8	40.8#





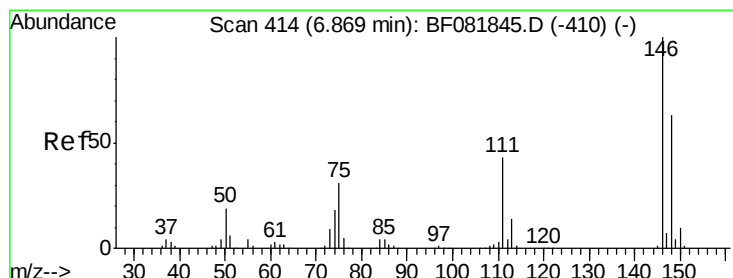
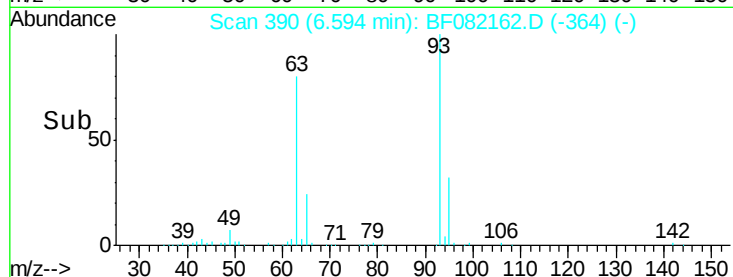
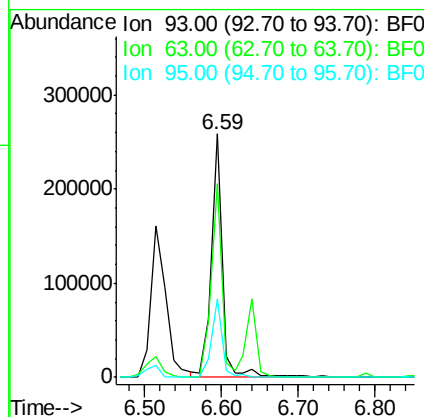
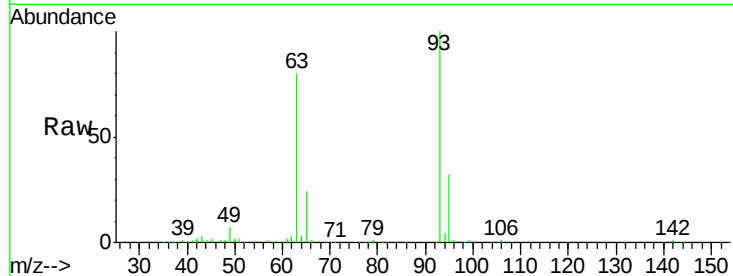
#11
bis(2-Chloroethyl)ether
Concen: 47.61 ng
RT: 6.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	253000		
63	79.6	65.6	105.6	
95	32.5	13.6	53.6	

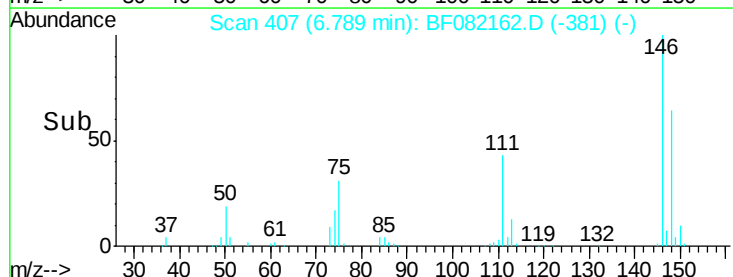
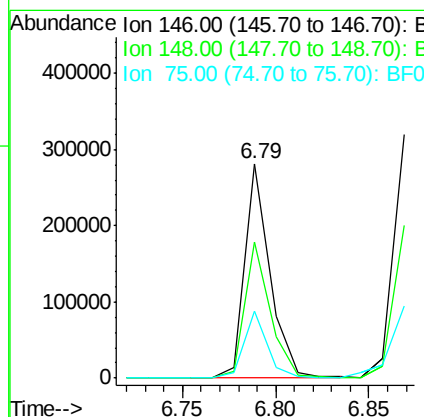
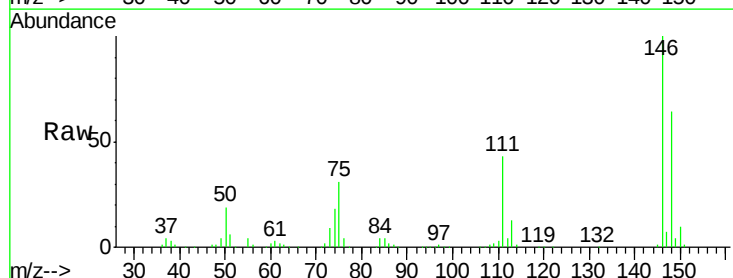
Manual Integrations
APPROVED

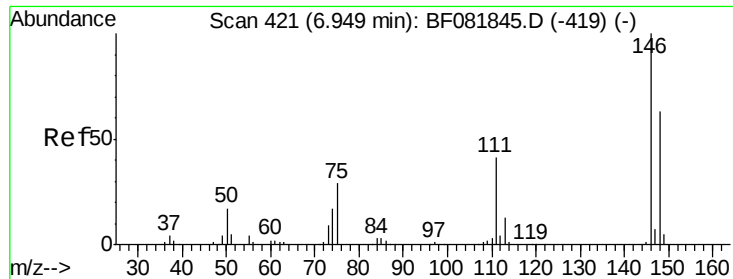
MMDadoda
10/12/2015 2:46:24 PM



#12
1,3-Dichlorobenzene
Concen: 41.98 ng
RT: 6.79 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265829		
148	63.7	51.0	76.4	
75	31.2	15.0	22.6	





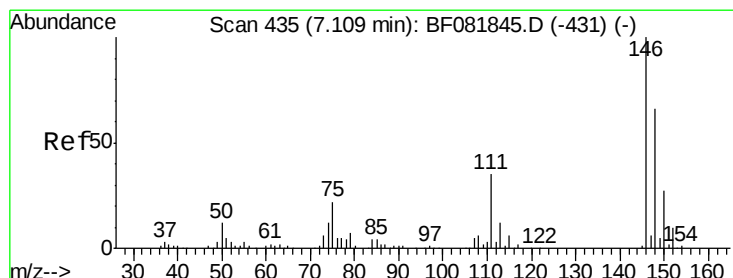
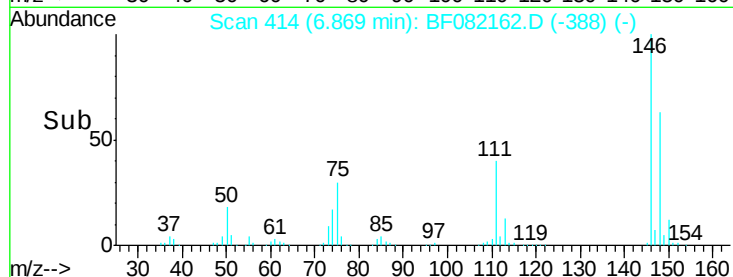
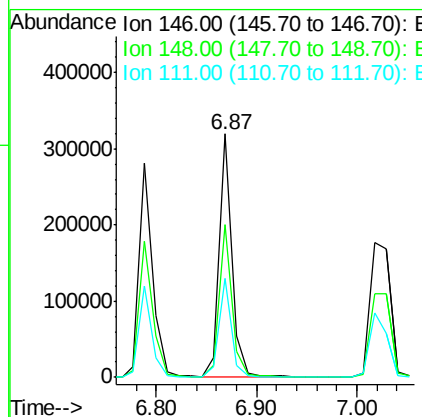
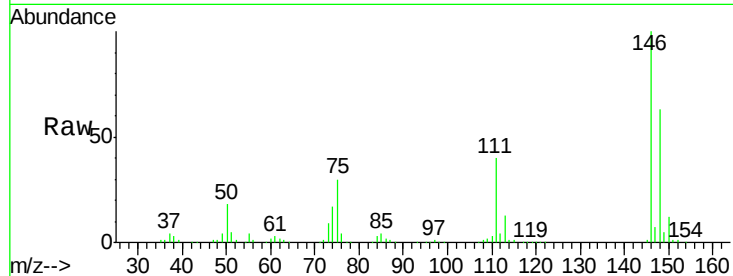
#13
 1,4-Dichlorobenzene
 Concen: 43.20 ng
 RT: 6.87 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
111	40.5	24.9	37.3#

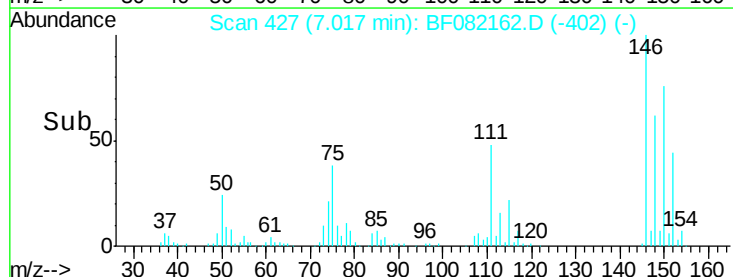
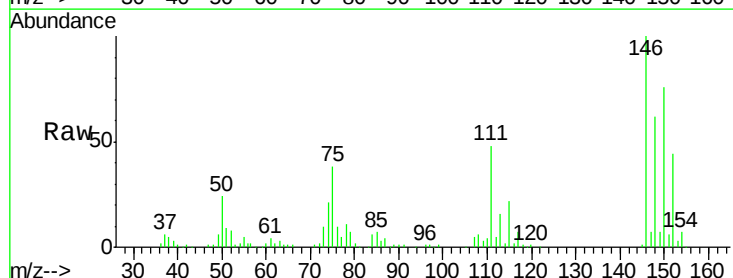
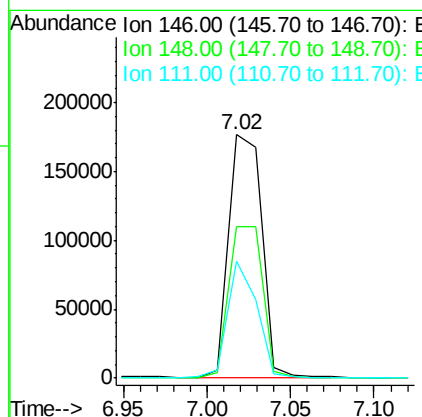
Manual Integrations
 APPROVED

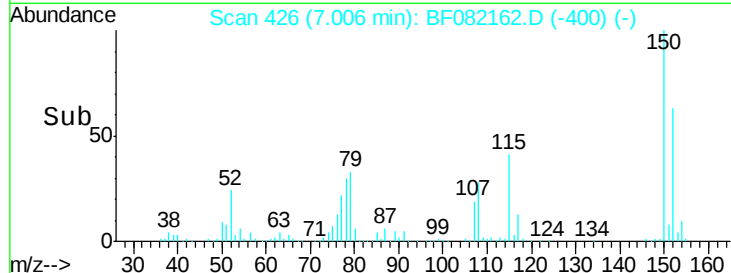
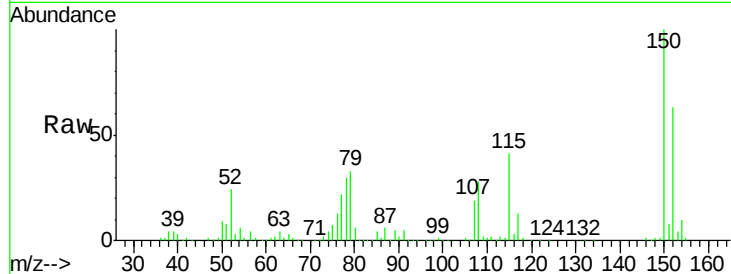
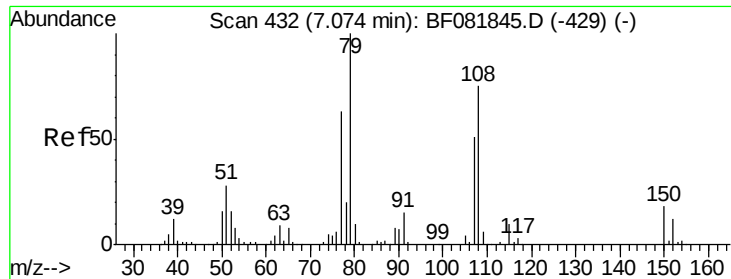
MMDadoda
 10/12/2015 2:46:24 PM



#14
 1,2-Dichlorobenzene
 Concen: 42.17 ng m
 RT: 7.02 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	52.7	79.1
111	47.8	28.8	43.2#





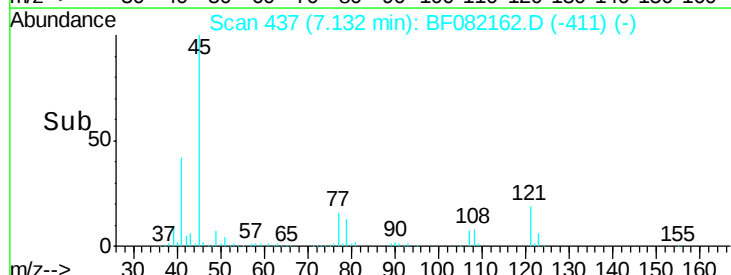
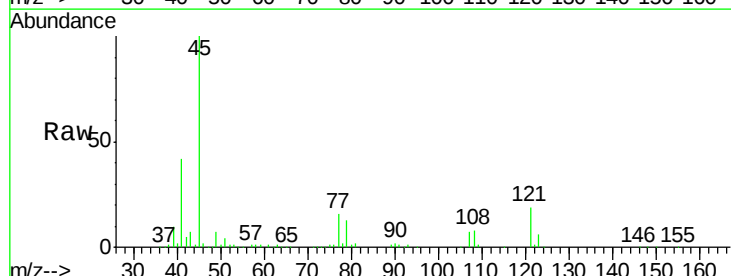
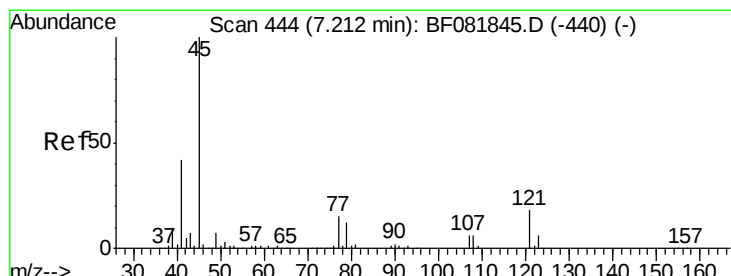
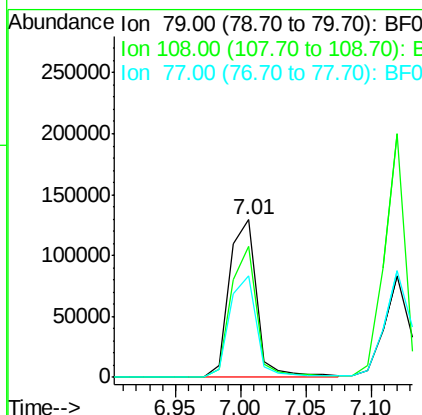
#15
Benzyl Alcohol
Concen: 43.14 ng
RT: 7.01 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
79	100		
108	82.9	88.6	132.8#
77	64.7	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

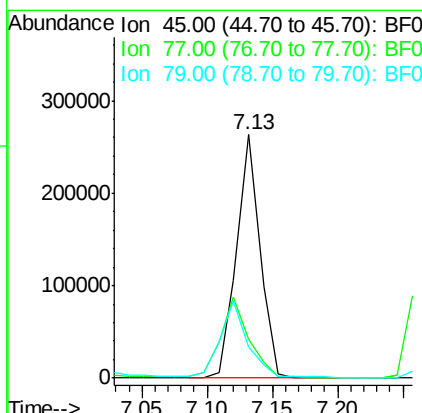
Manual Integrations
APPROVED

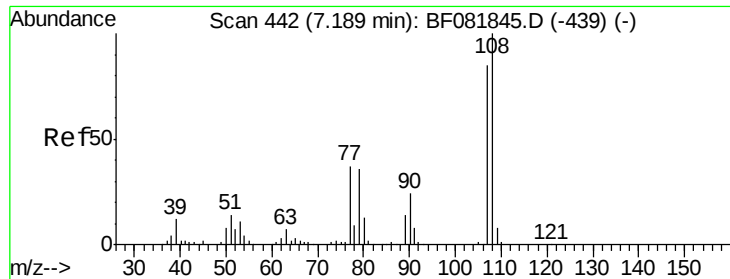
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10/12/2015 2:46:24 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.86 ng
RT: 7.13 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	28.1
79	12.6	0.0	26.0





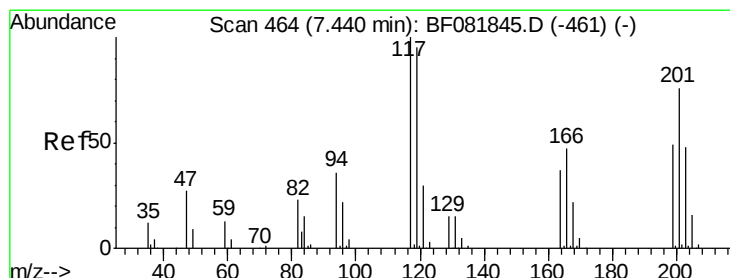
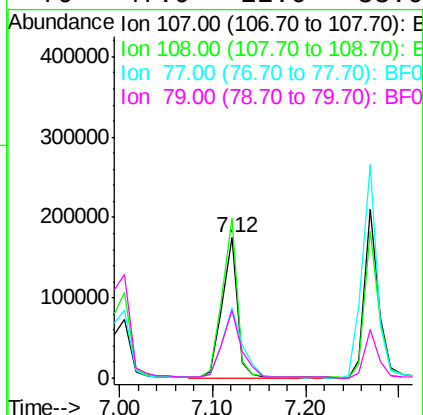
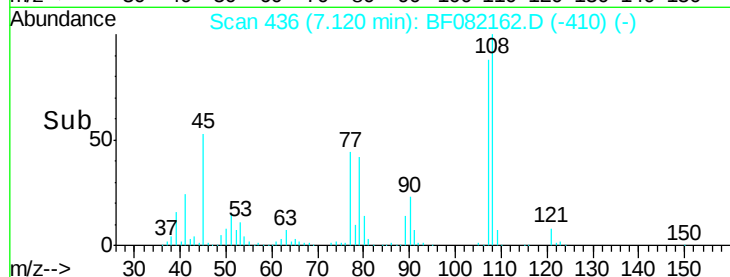
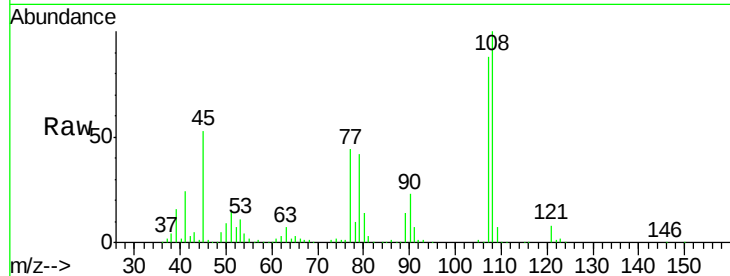
#17
2-Methylphenol
Concen: 45.84 ng
RT: 7.12 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	199240		
108	114.3	96.6	145.0	
77	50.0	23.3	34.9#	
79	47.9	22.0	33.0#	

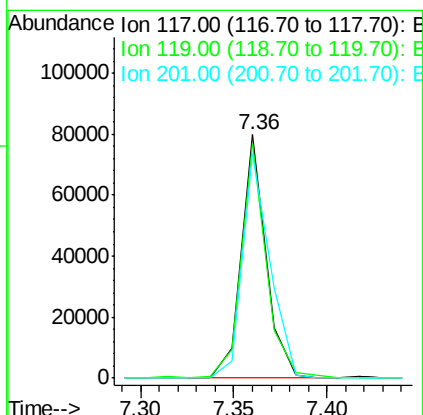
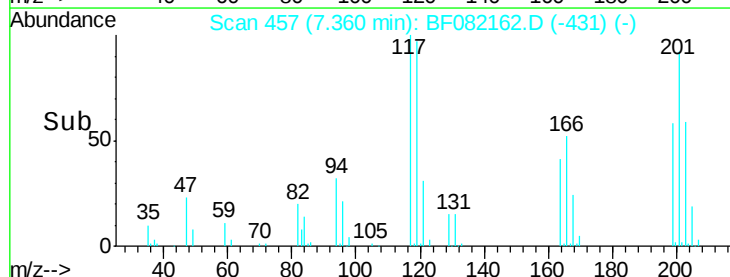
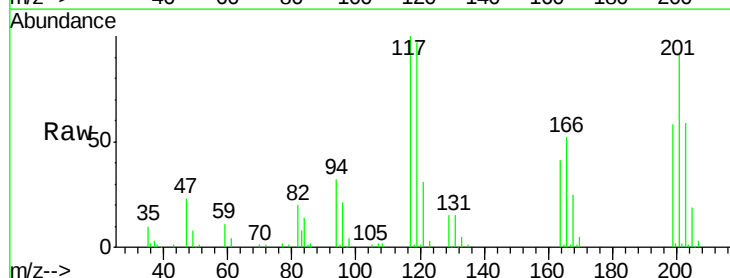
Manual Integrations
APPROVED

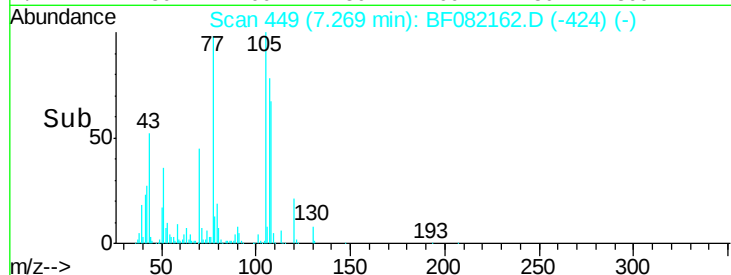
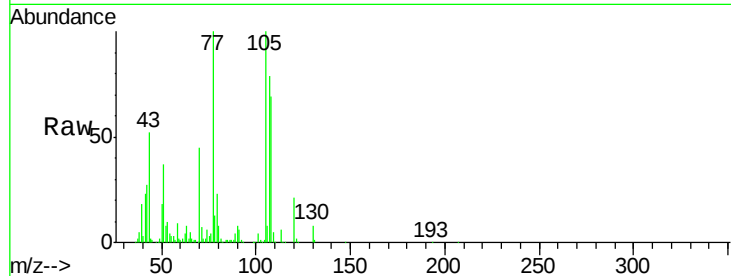
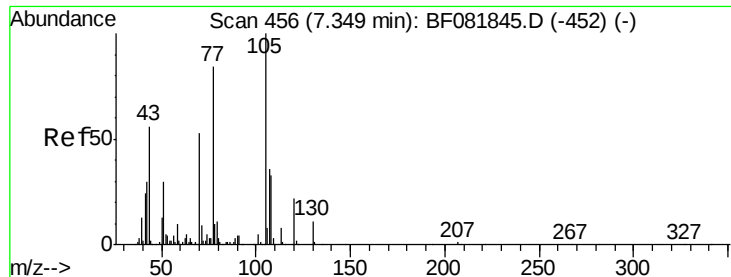
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#18
Hexachloroethane
Concen: 35.51 ng
RT: 7.36 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73511		
119	96.5	83.8	125.6	
201	91.9	55.1	82.7#	





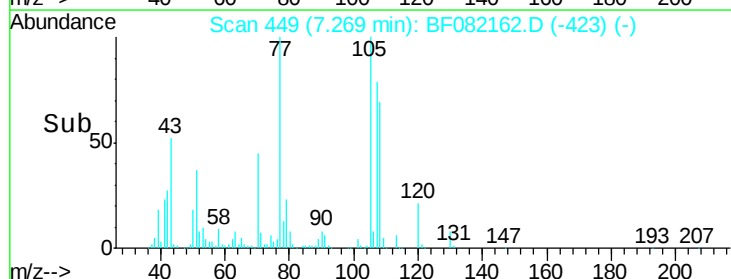
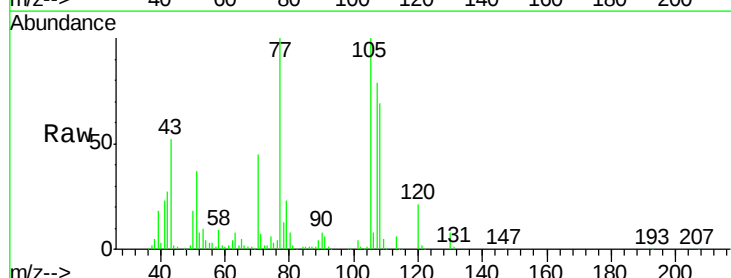
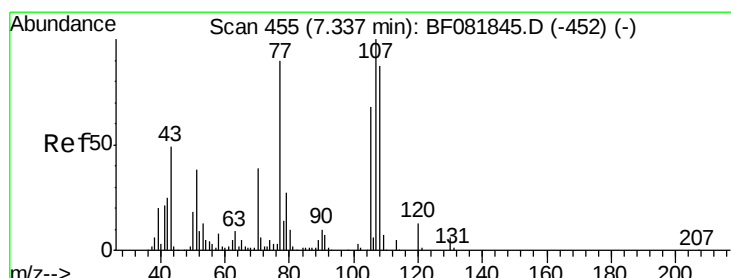
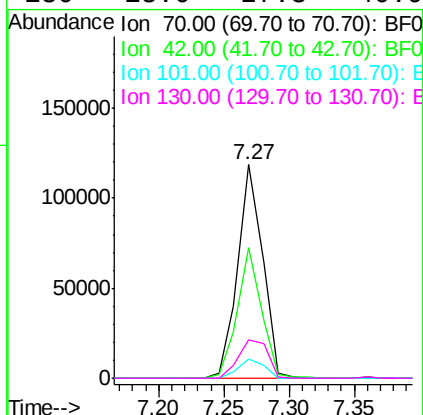
#19
n-Nitroso-di-n-propylamine
Concen: 42.43 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Manual Integrations
APPROVED

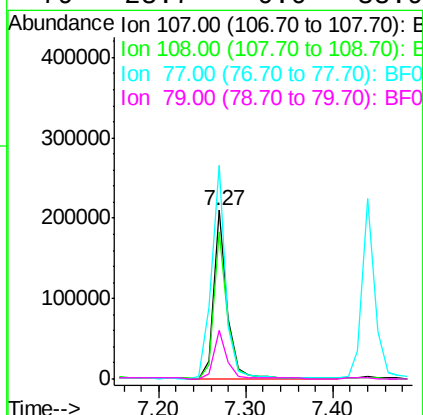
MMDadoda
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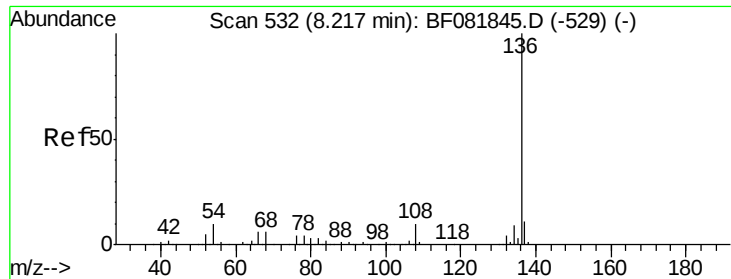
Tgt Ion	Ratio	Lower	Upper
70	100		
42	61.4	63.8	95.6#
101	8.9	9.2	13.8#
130	18.0	27.3	40.9#



#20
3+4-Methylphenols
Concen: 41.42 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.5	74.6	114.6
77	126.5	0.7	40.7#
79	28.7	0.0	38.9





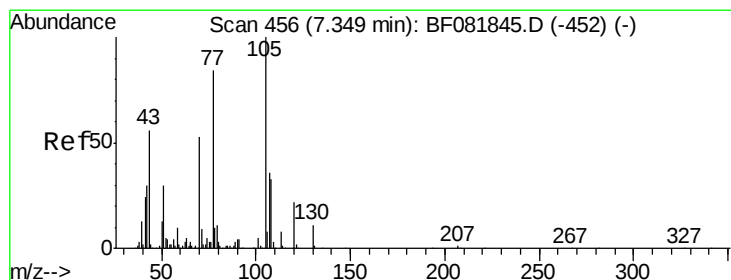
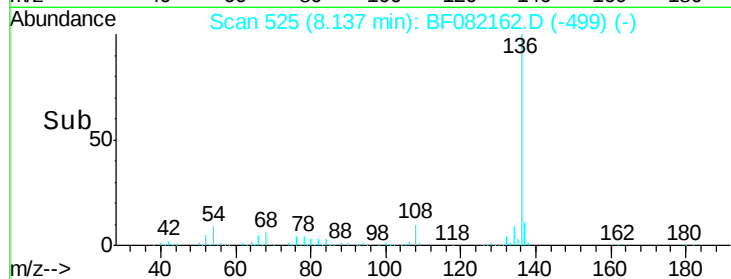
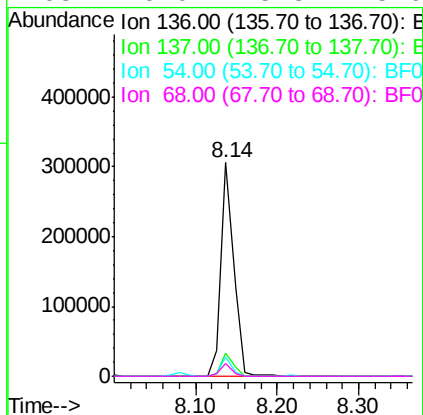
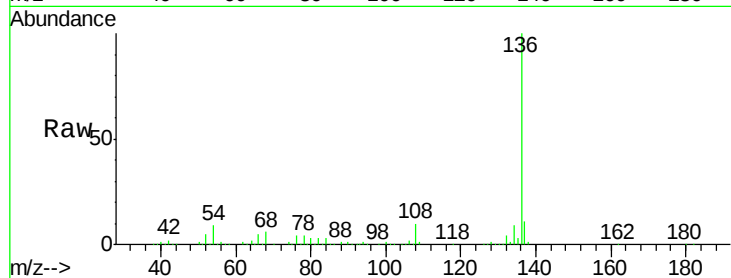
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	332139		
137	11.0	9.0	13.6	
54	9.1	8.2	12.2	
68	6.0	5.8	8.6	

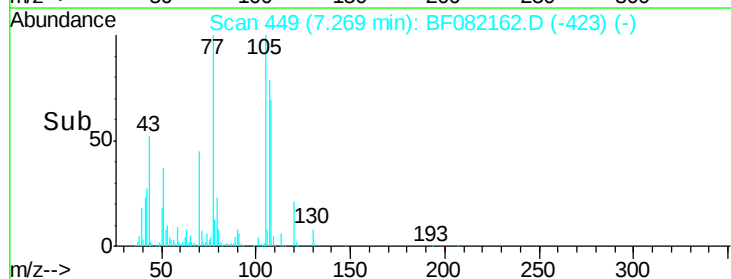
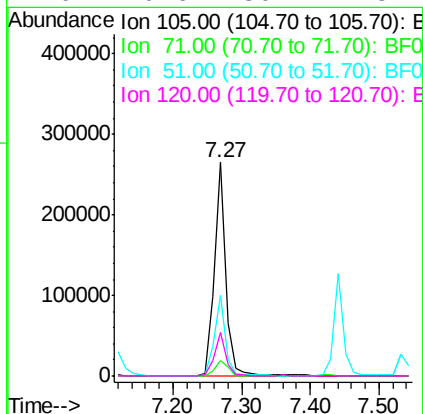
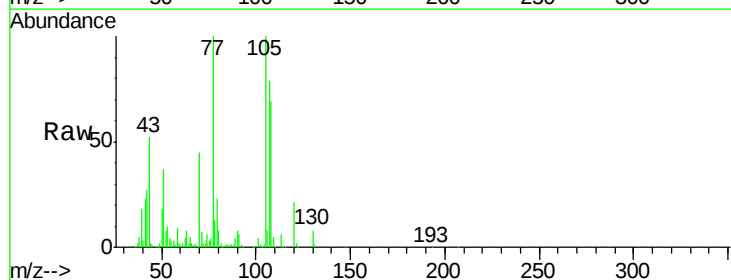
Manual Integrations
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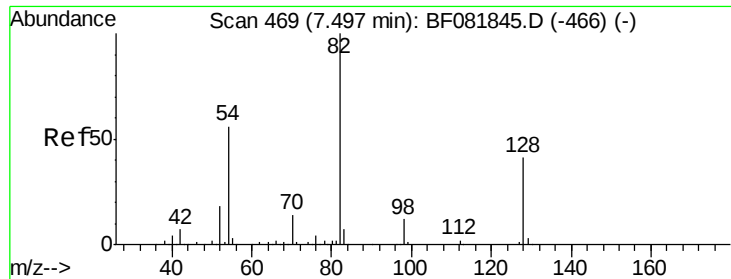
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#22
Acetophenone
Concen: 46.55 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	316118		
71	7.2	4.7	7.1#	
51	37.5	22.0	33.0#	
120	20.6	30.1	45.1#	





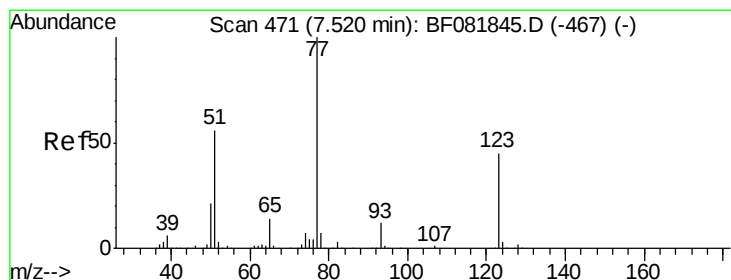
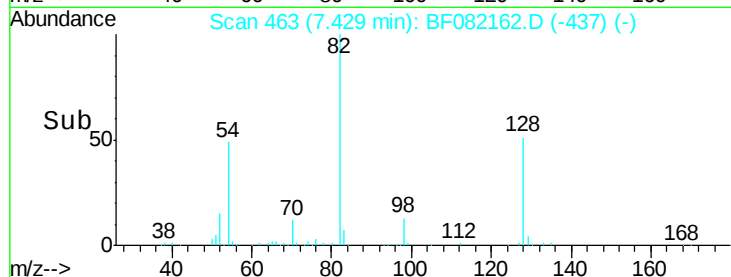
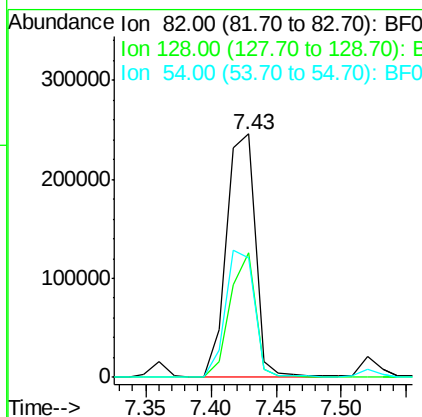
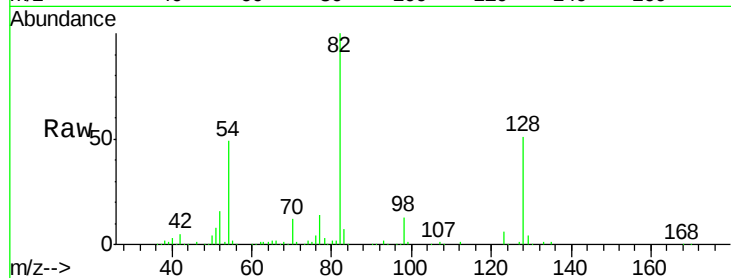
#23
 Nitrobenzene-d5
 Concen: 76.37 ng
 RT: 7.43 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.0	51.0	76.6#
54	48.9	47.5	71.3

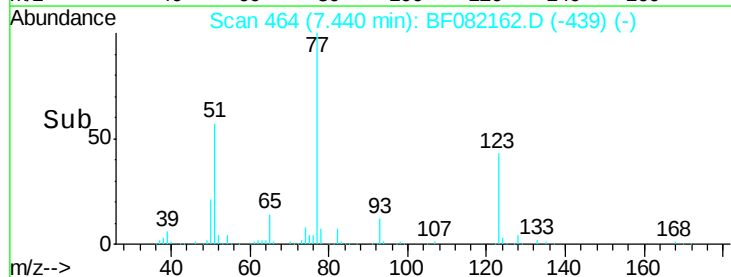
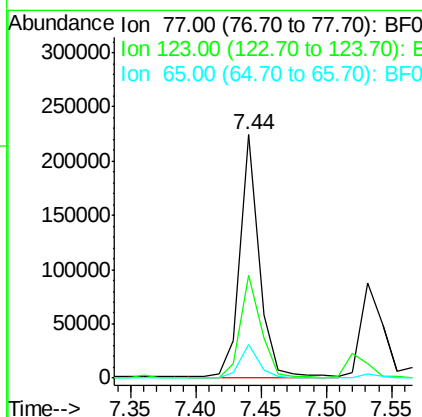
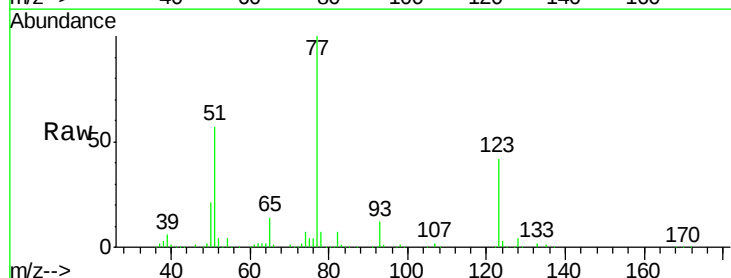
Manual Integrations
 APPROVED

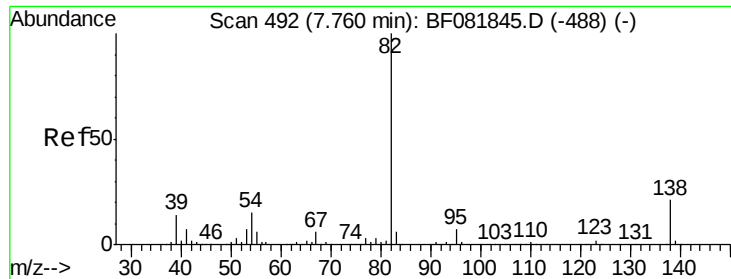
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#24
 Nitrobenzene
 Concen: 42.30 ng
 RT: 7.44 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.4	59.8	89.8#
65	13.7	10.2	15.4





#25

Isophorone

Concen: 45.27 ng

RT: 7.68 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF082162.D

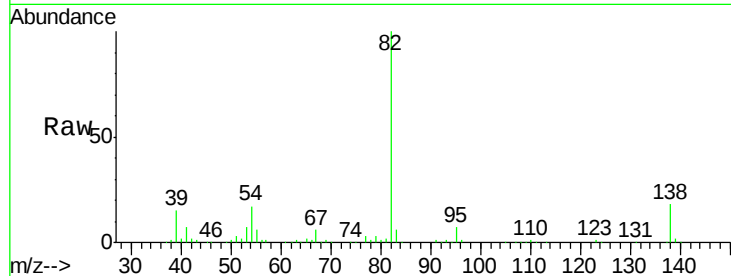
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)MS



Tgt Ion: 82 Resp: 447118

Ion Ratio Lower Upper

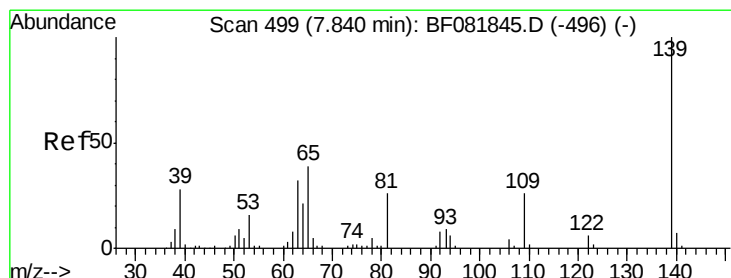
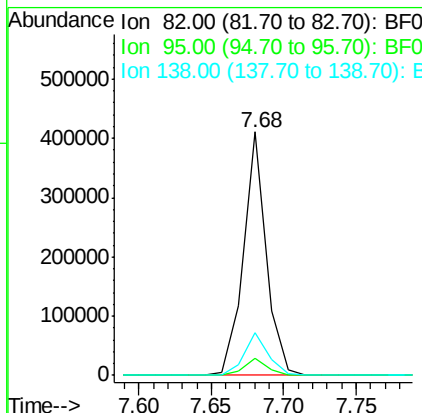
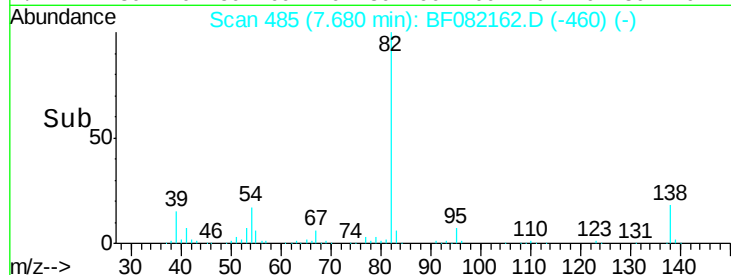
82 100

95 6.9 4.0 6.0#

138 17.6 18.3 27.5#

Manual Integrations
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#26

2-Nitrophenol

Concen: 38.02 ng

RT: 7.76 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

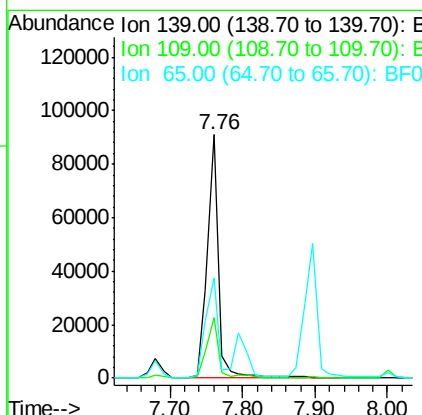
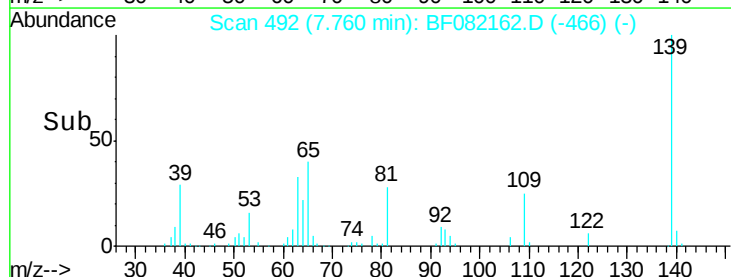
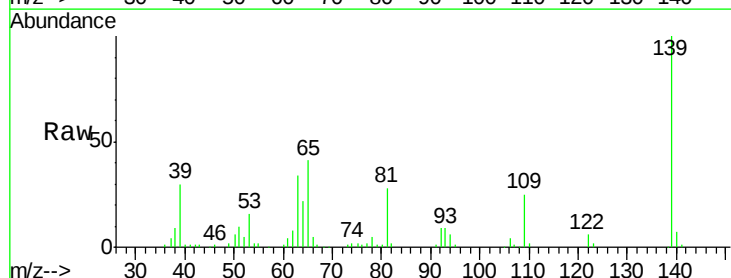
Tgt Ion: 139 Resp: 98733

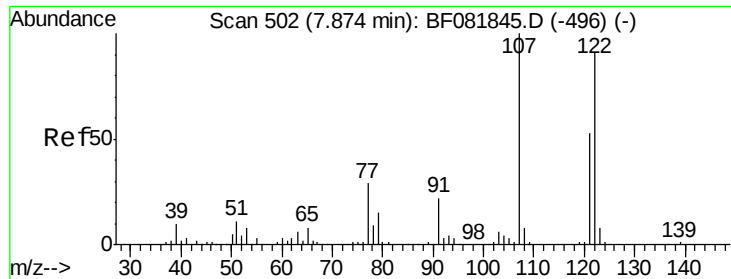
Ion Ratio Lower Upper

139 100

109 24.9 11.0 16.4#

65 41.2 24.7 37.1#





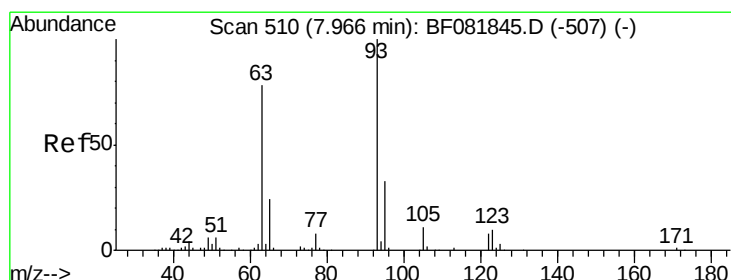
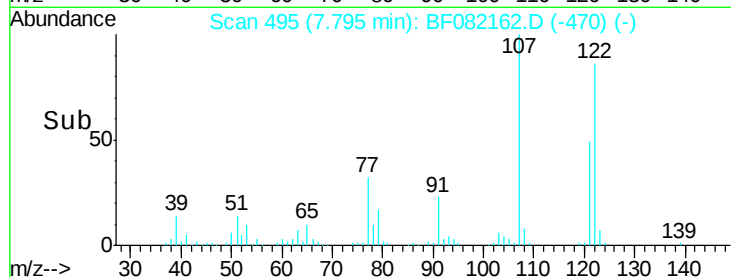
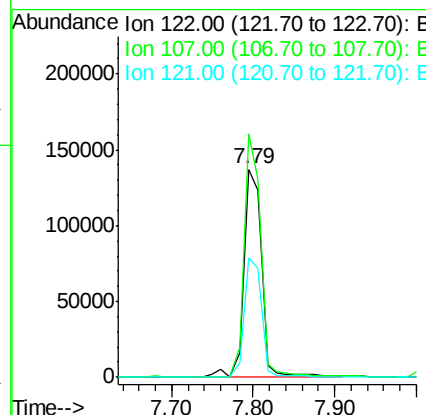
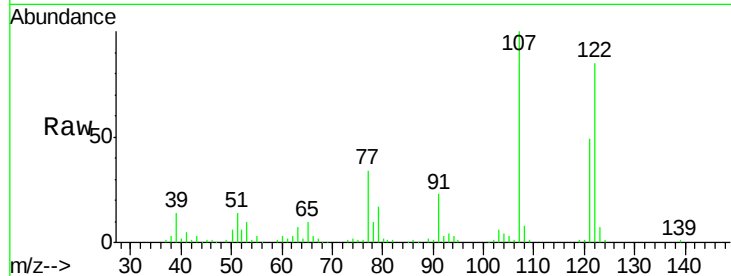
#27
 2,4-Dimethylphenol
 Concen: 45.90 ng
 RT: 7.79 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	209716		
107	117.1	71.8	107.6#	
121	57.6	42.3	63.5	

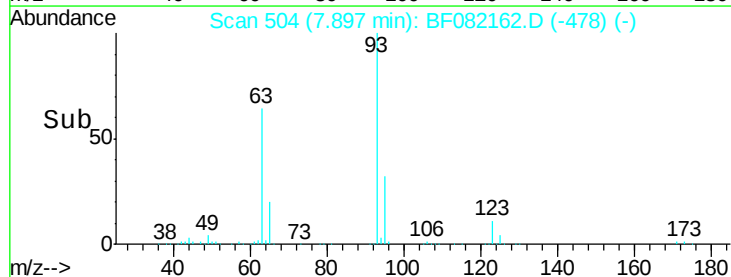
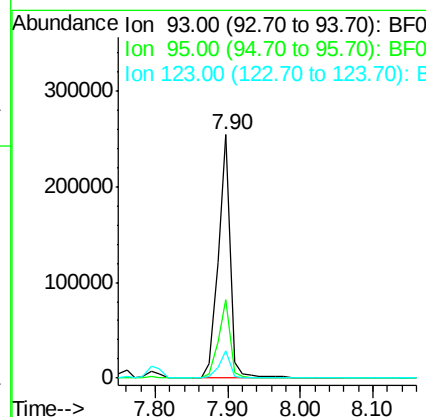
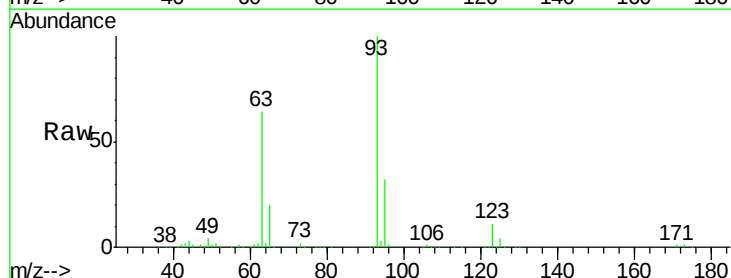
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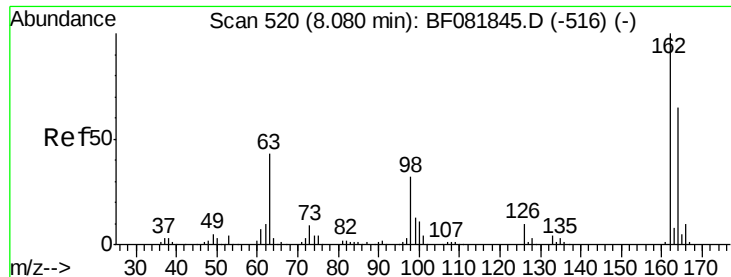
MMDadoda
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#28
 bis(2-Chloroethoxy)methane
 Concen: 49.94 ng
 RT: 7.90 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	292896		
95	32.3	27.5	41.3	
123	11.2	13.7	20.5#	





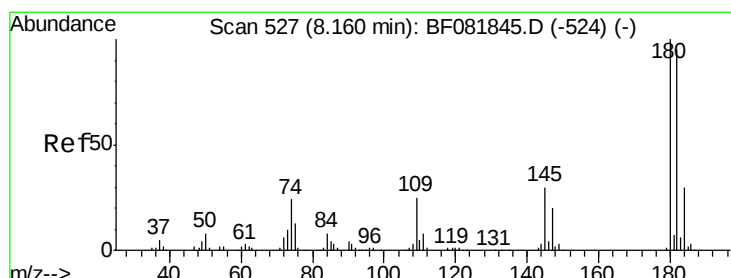
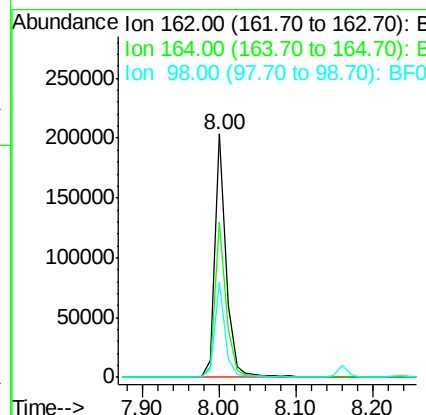
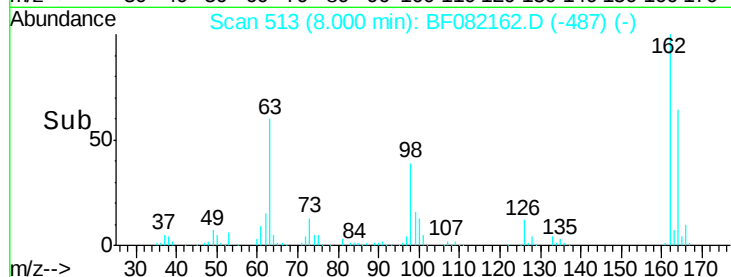
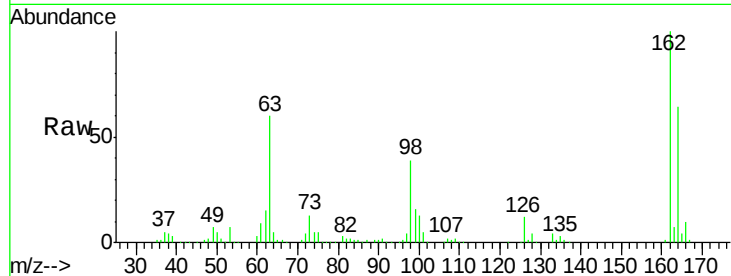
#29
2,4-Dichlorophenol
Concen: 46.80 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	207318		
164	63.8	44.9	84.9	
98	38.8	13.0	53.0	

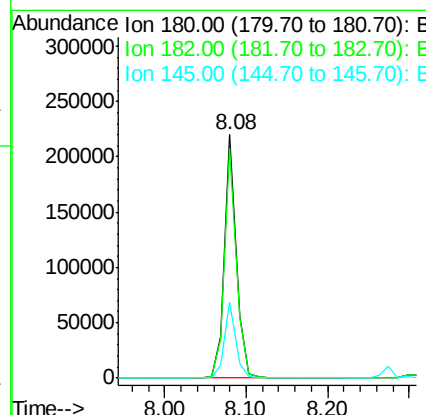
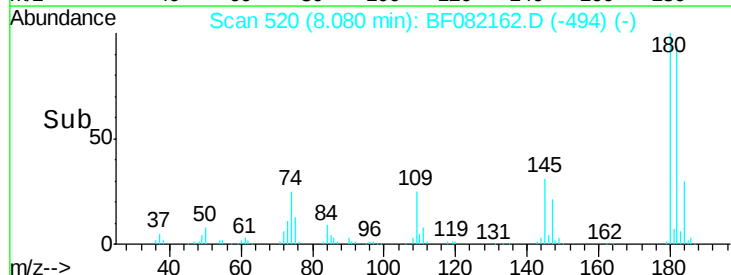
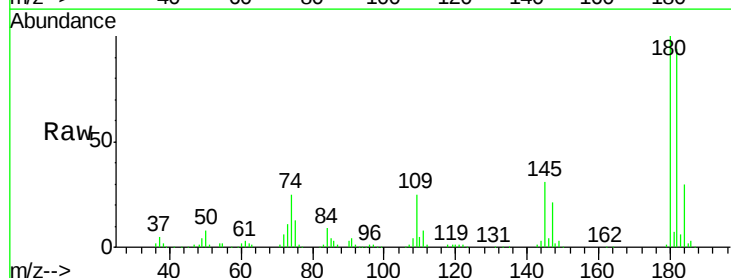
Manual Integrations
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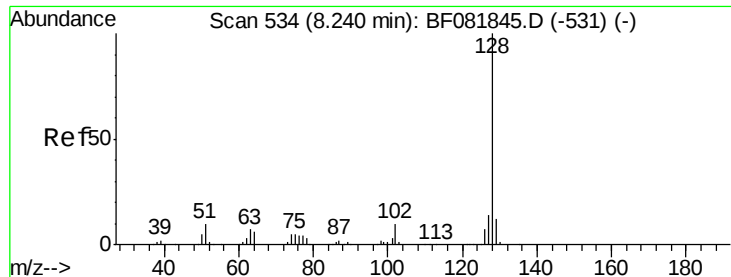
MMDadoda
10/12/2015 2:46:24 PM



#30
1,2,4-Trichlorobenzene
Concen: 44.82 ng
RT: 8.08 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	221659		
182	94.1	77.1	115.7	
145	31.3	23.3	34.9	





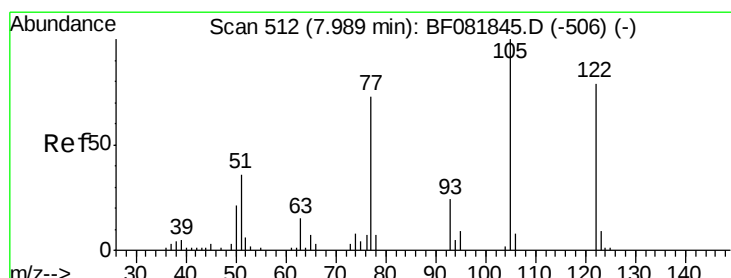
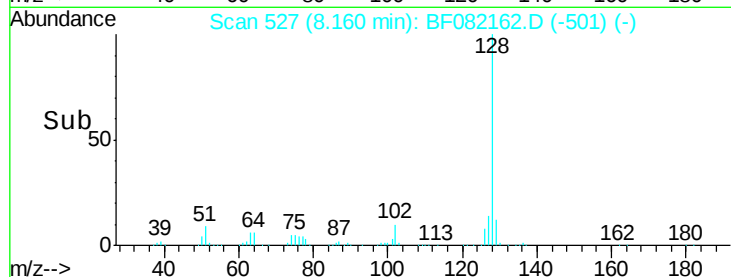
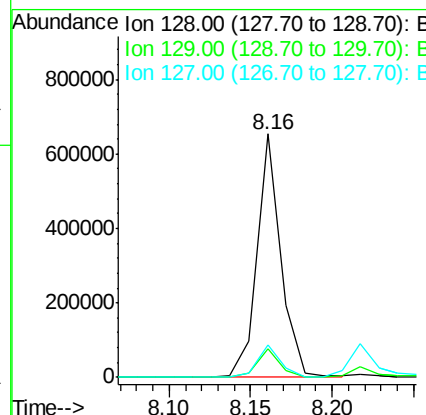
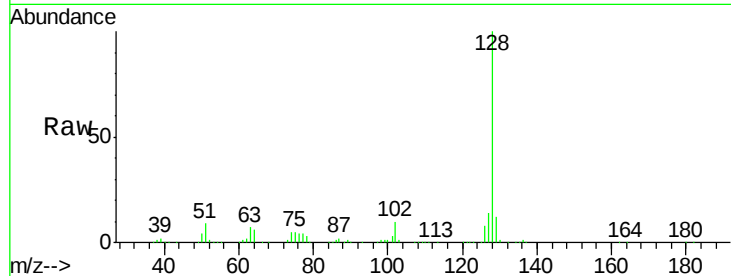
#31
Naphthalene
Concen: 45.20 ng
RT: 8.16 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	665262		
129	11.5	8.4	12.6	
127	13.5	9.9	14.9	

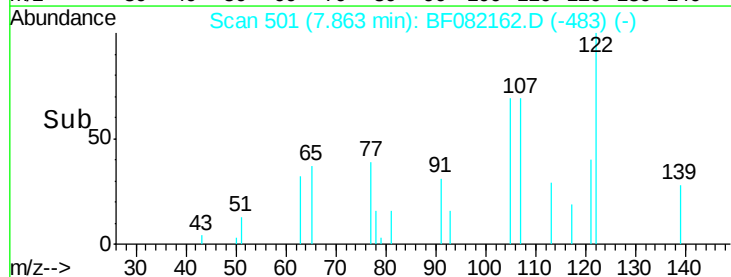
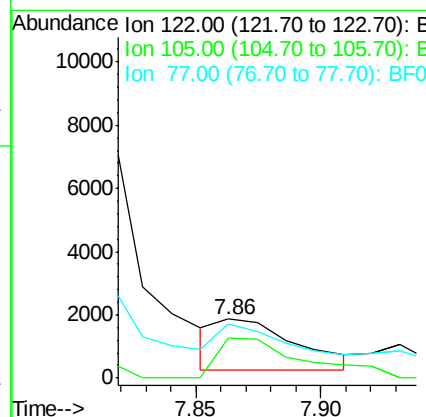
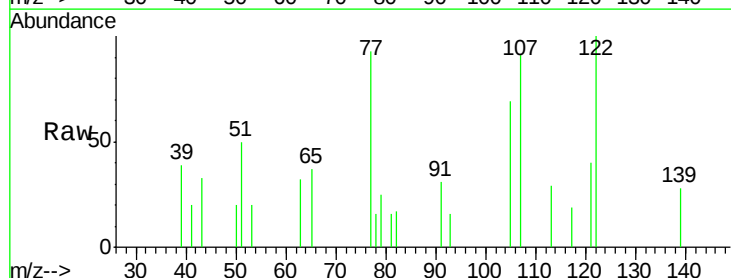
Manual Integrations
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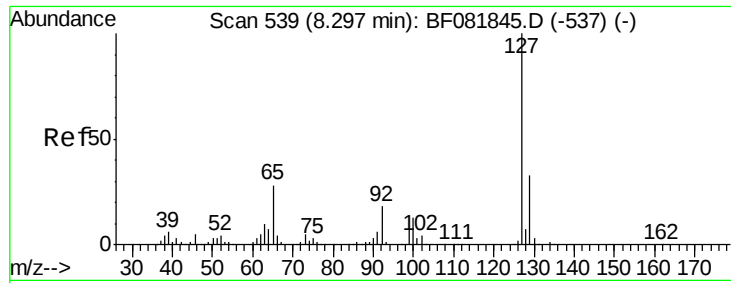
MMDadoda
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#32
Benzoic acid
Concen: 8.44 ng m
RT: 7.86 min Scan# 501
Delta R.T. -0.09 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	3520		
105	68.5	76.1	116.1#	
77	92.6	40.5	80.5#	





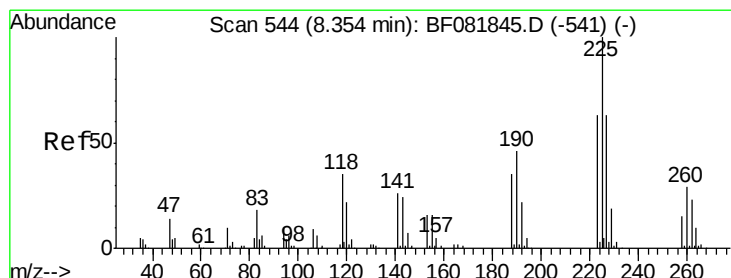
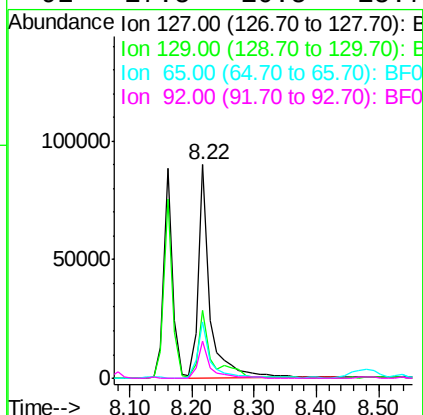
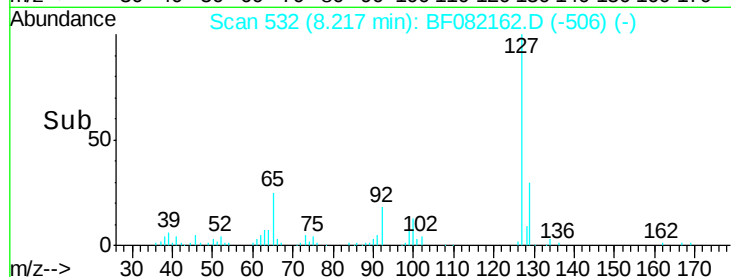
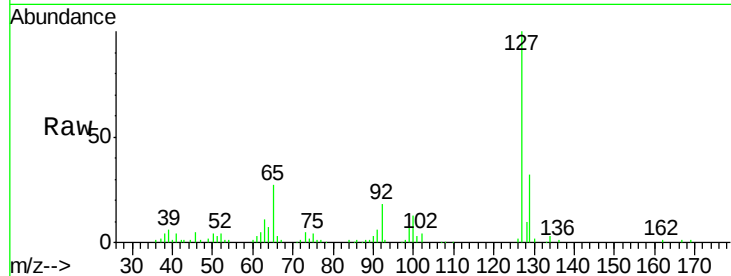
#33
4-Chloroaniline
Concen: 18.50 ng
RT: 8.22 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	117746		
129	31.7	25.8	38.6	
65	26.7	17.9	26.9	
92	17.5	10.5	15.7	

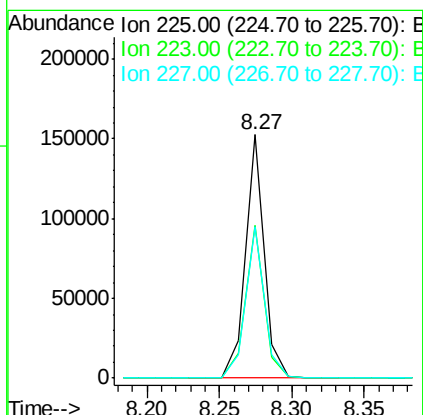
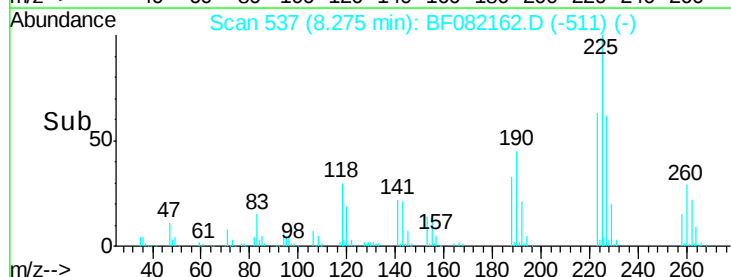
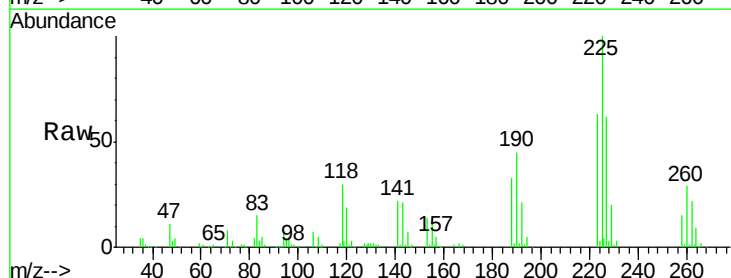
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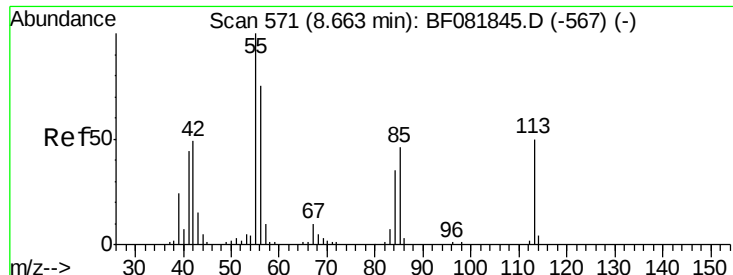
MMDadoda
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#34
Hexachlorobutadiene
Concen: 46.80 ng
RT: 8.27 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136884		
223	62.7	50.2	75.2	
227	62.1	52.2	78.2	





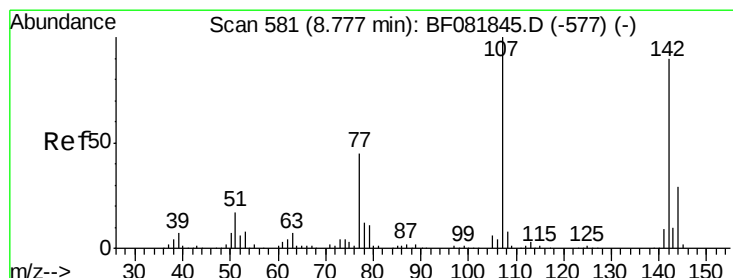
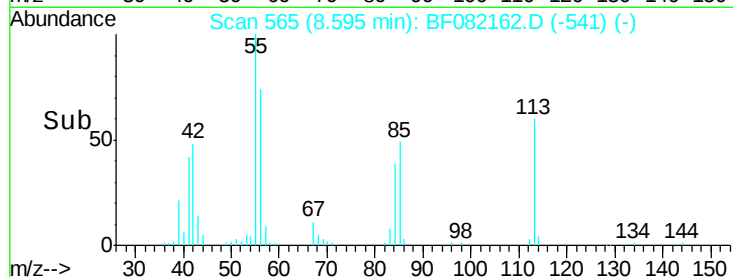
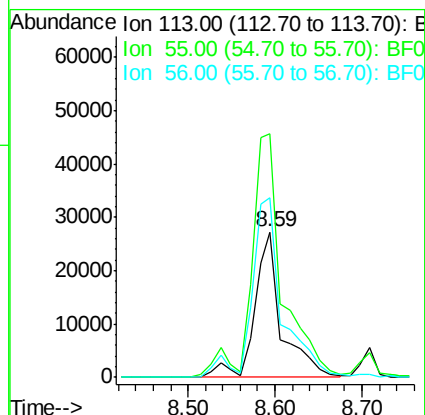
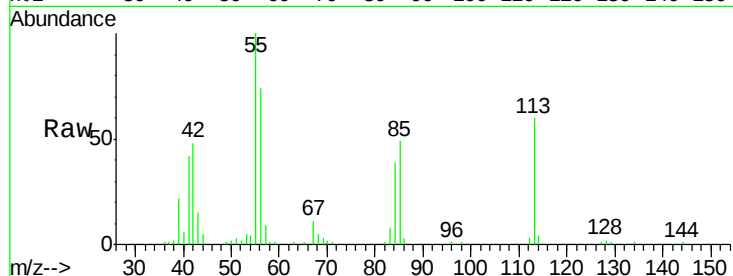
#35
 Caprolactam
 Concen: 48.42 ng
 RT: 8.59 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion:113 Resp: 59381
 Ion Ratio Lower Upper
 113 100
 55 167.4 152.4 192.4
 56 123.7 104.6 144.6

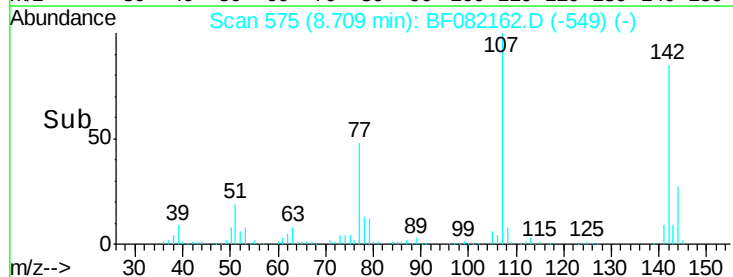
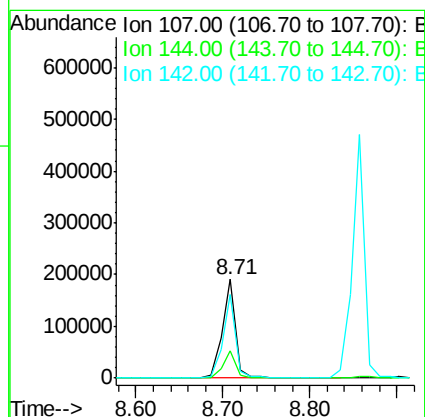
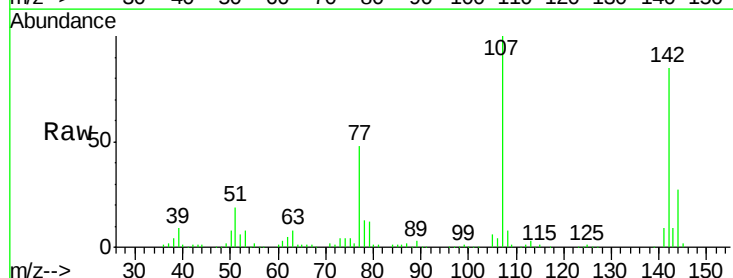
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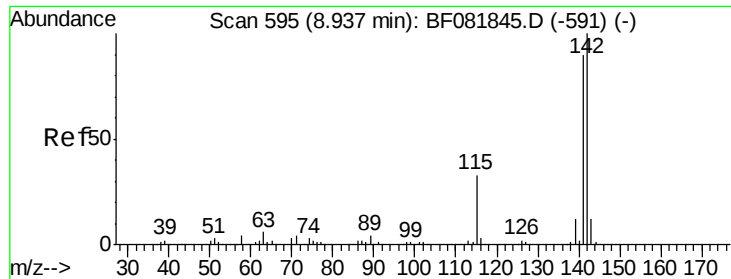
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#36
 4-Chloro-3-methylphenol
 Concen: 47.97 ng
 RT: 8.71 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

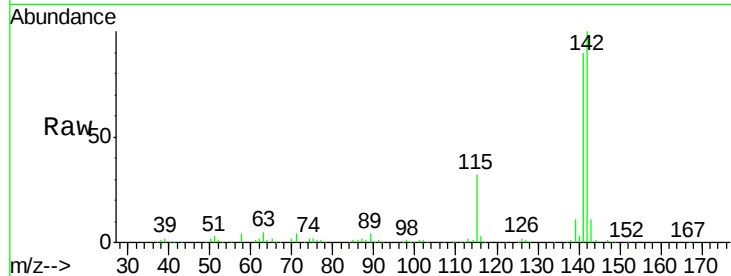
Tgt Ion:107 Resp: 207815
 Ion Ratio Lower Upper
 107 100
 144 27.4 25.4 38.0
 142 85.4 77.3 115.9





#37
 2-Methylnaphthalene
 Concen: 46.58 ng
 RT: 8.86 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

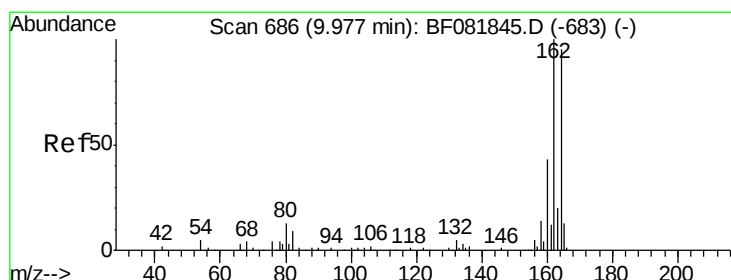
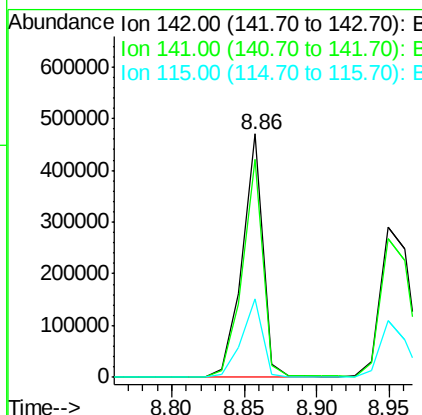
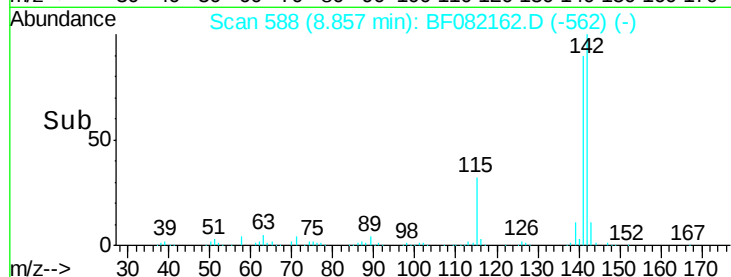
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS



Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	67.5	101.3
115	32.0	18.2	27.2

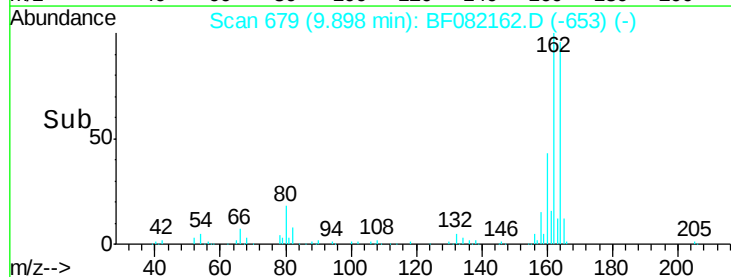
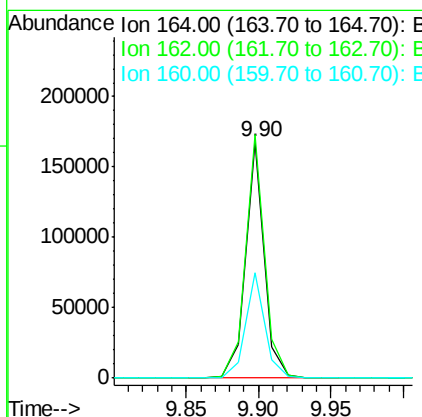
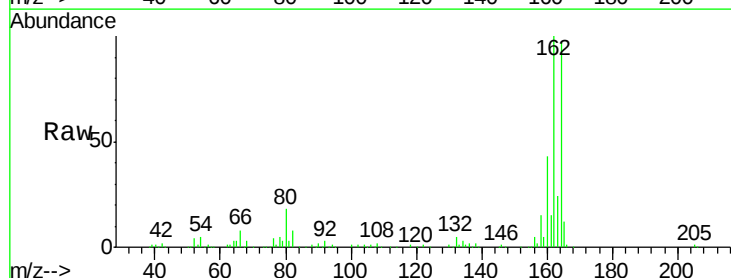
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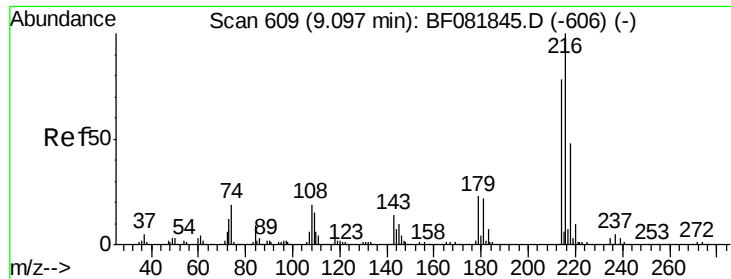
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	75.2	112.8
160	44.6	31.5	47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.88 ng

RT: 9.02 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

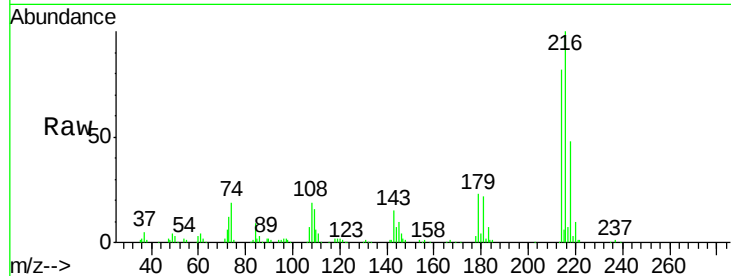
ClientSampleId :

OS-SB-22(46-48)MS

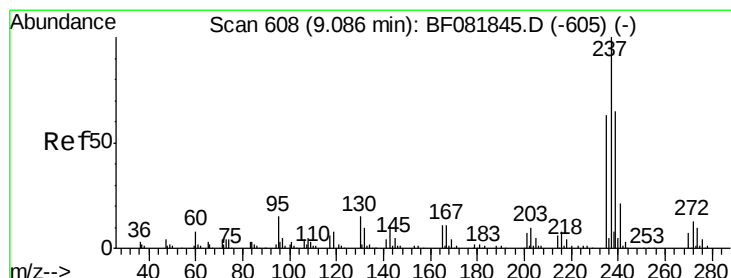
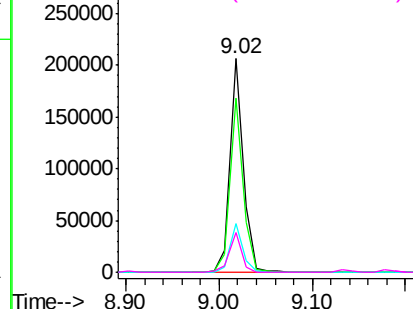
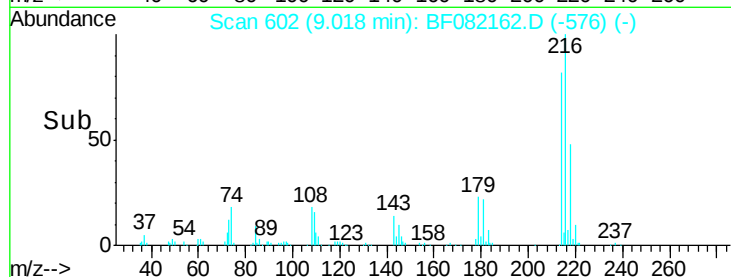
Tgt Ion:	216	Resp:	205694
Ion Ratio	Lower	Upper	
216	100		
214	80.3	63.5	95.3
179	21.6	16.6	24.8
108	17.0	16.3	24.5

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



#40

Hexachlorocyclopentadiene

Concen: 11.86 ng

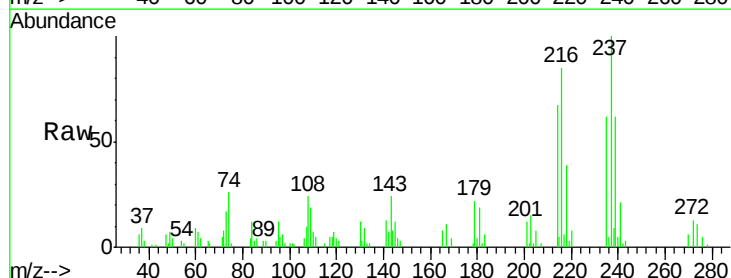
RT: 9.01 min Scan# 601

Delta R.T. -0.00 min

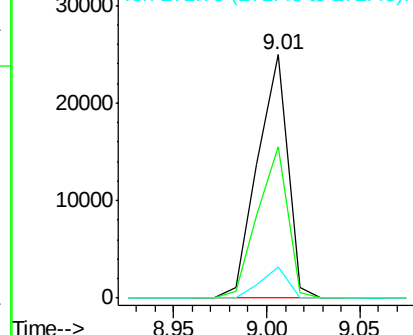
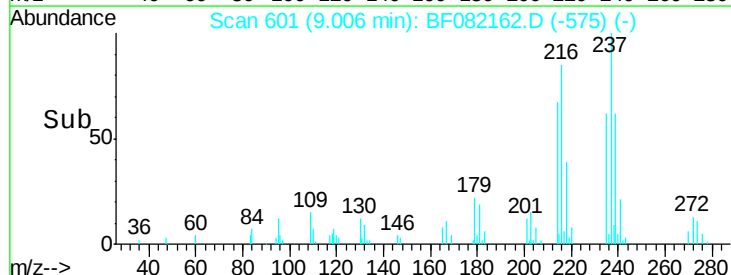
Lab File: BF082162.D

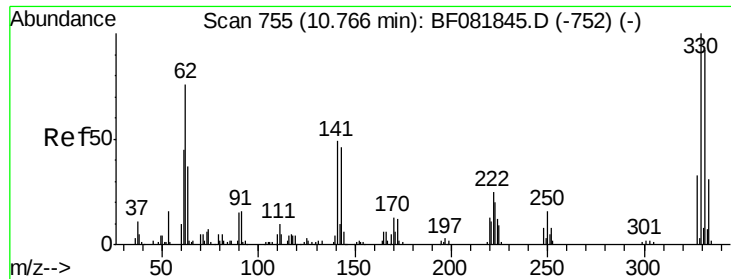
Acq: 9 Oct 2015 23:47

Tgt Ion:	237	Resp:	27987
Ion Ratio	Lower	Upper	
237	100		
235	62.3	42.0	82.0
272	13.0	0.0	36.1



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





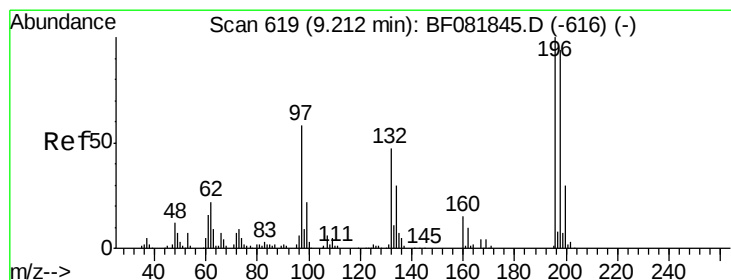
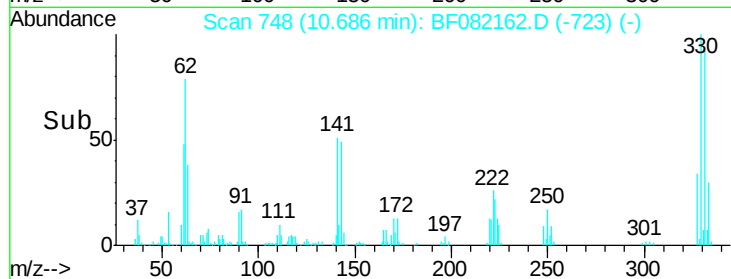
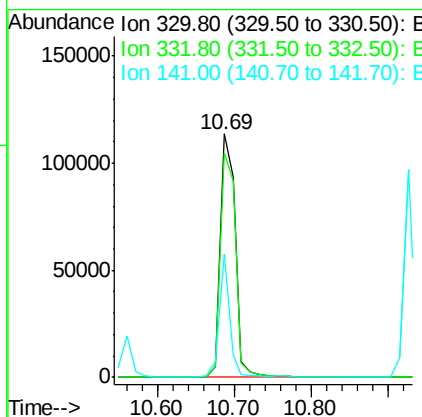
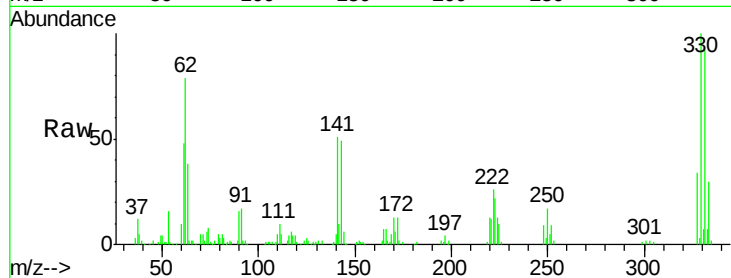
#41
 2,4,6-Tribromophenol
 Concen: 103.04 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	155798		
332	95.0	76.6	114.8	
141	35.0	29.7	44.5	

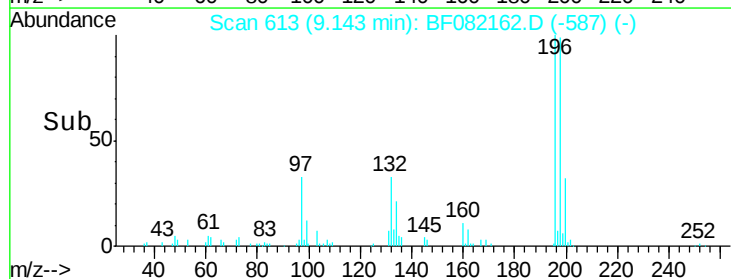
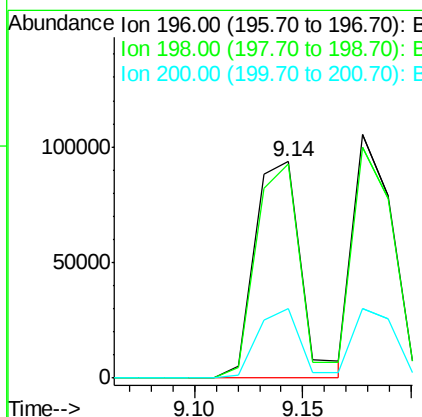
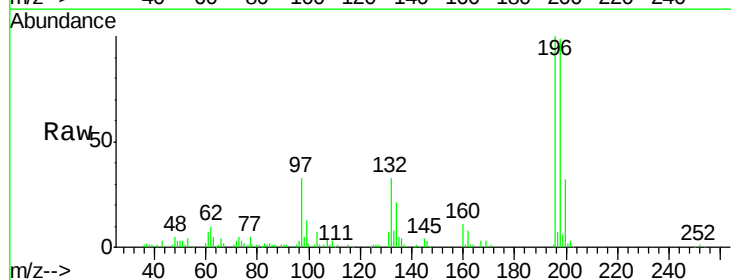
Manual Integrations
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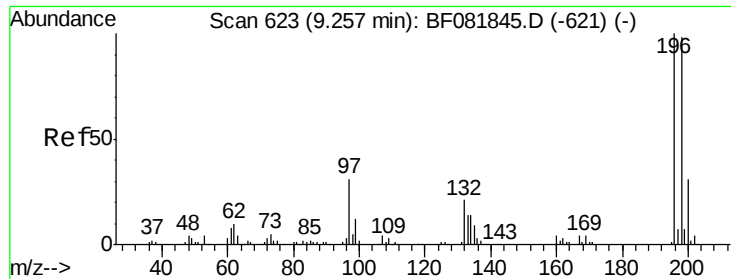
MMDadoda
 10/12/2015 2:46:24 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.06 ng
 RT: 9.14 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

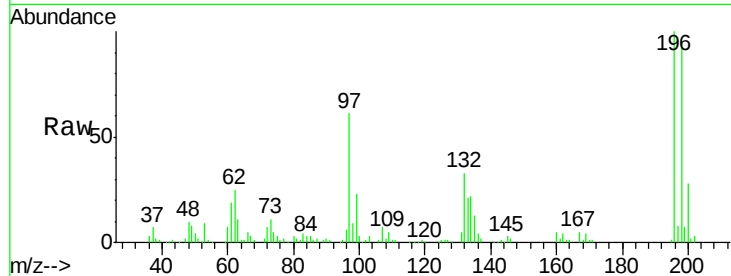
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	138462		
198	98.7	75.7	113.5	
200	32.1	23.9	35.9	





#43
 2,4,5-Trichlorophenol
 Concen: 41.95 ng m
 RT: 9.18 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

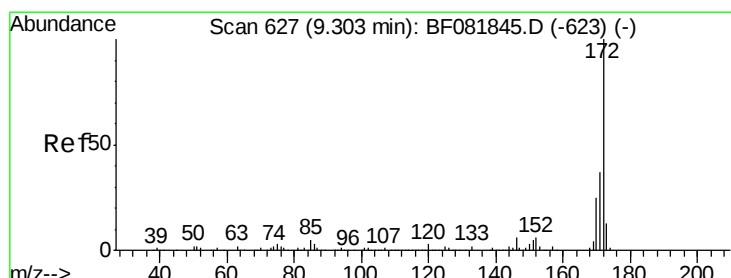
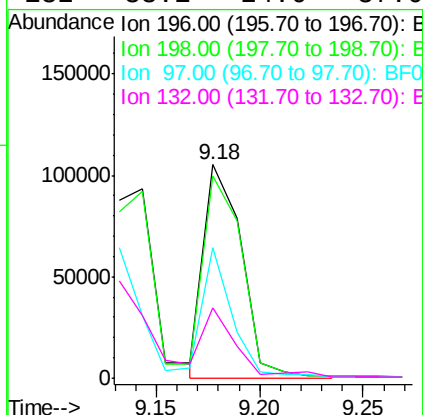
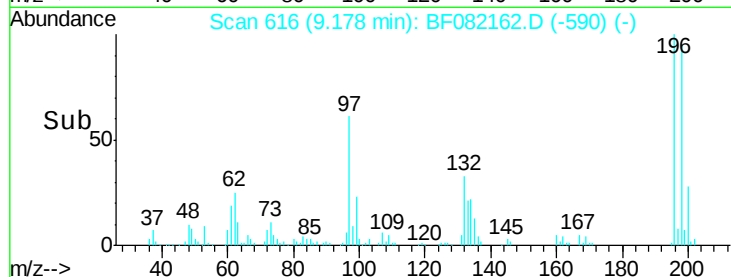
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	135555		
198	94.8	75.4	113.0	
97	61.3	33.3	49.9	
132	33.1	24.6	37.0	

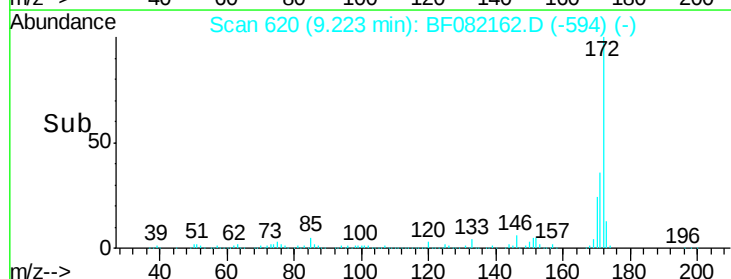
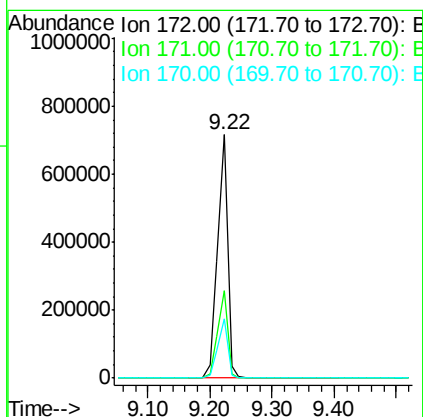
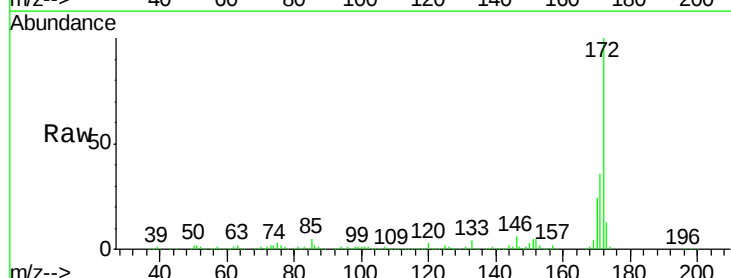
Manual Integrations
 APPROVED

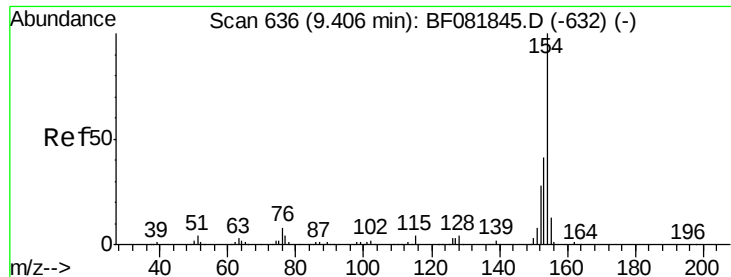
MMDadoda
 10/12/2015 2:46:24 PM



#44
 2-Fluorobiphenyl
 Concen: 89.62 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	791191		
171	35.9	26.1	39.1	
170	24.1	17.4	26.2	





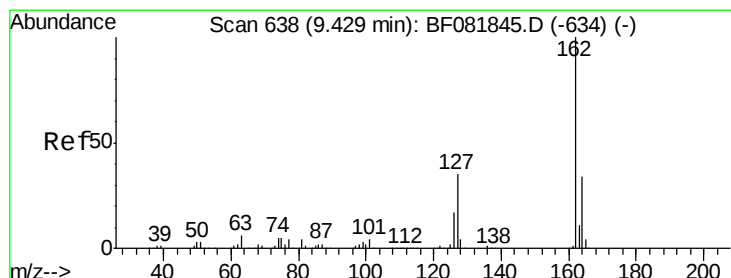
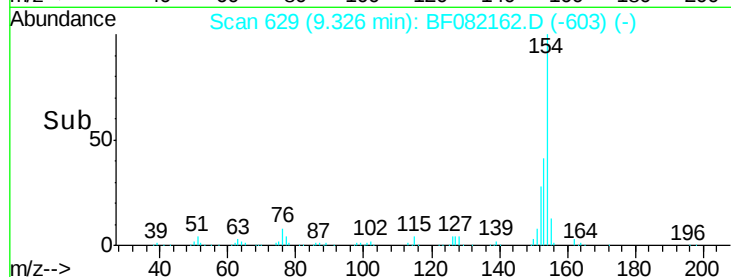
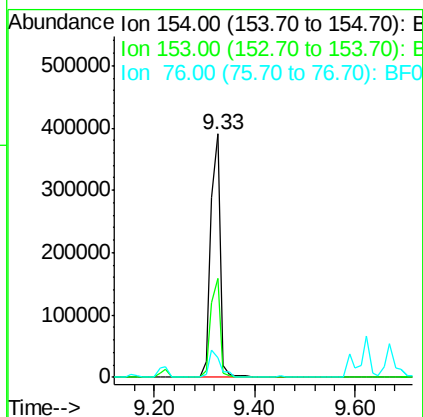
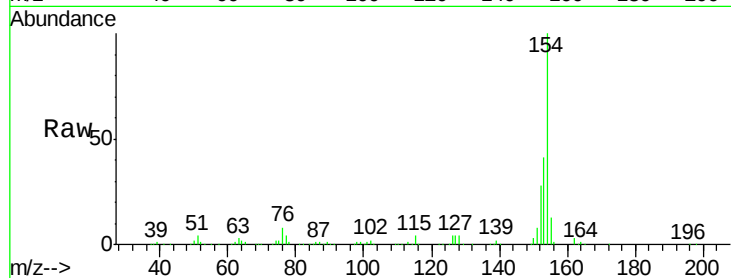
#45
 1,1'-Biphenyl
 Concen: 44.46 ng
 RT: 9.33 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	17.1	57.1
76	8.0	0.0	31.6

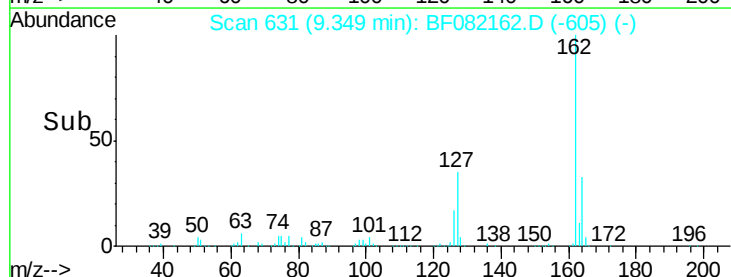
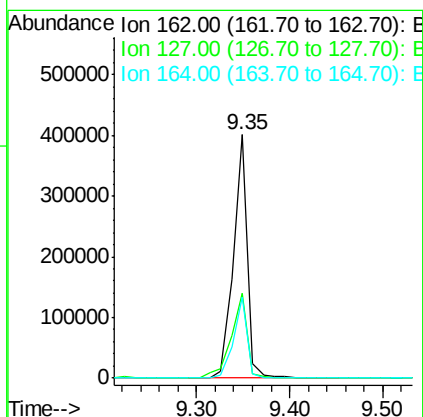
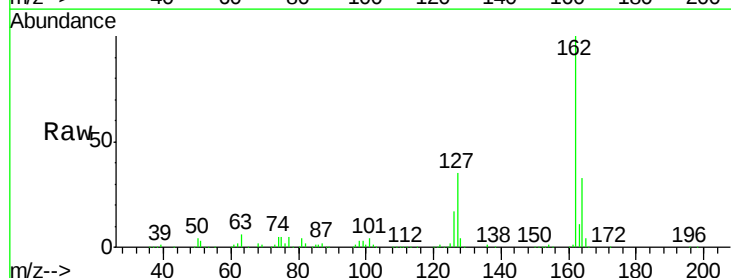
Manual Integrations
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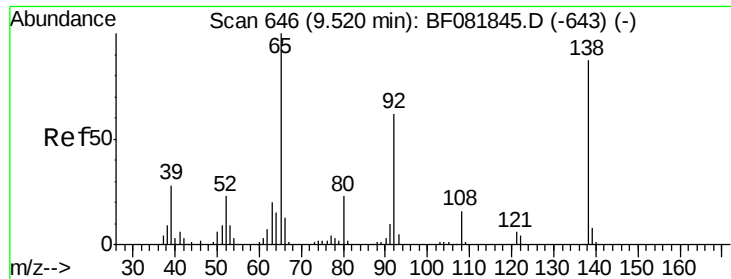
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#46
 2-Chloronaphthalene
 Concen: 46.77 ng
 RT: 9.35 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.1	27.6	41.4
164	33.1	25.4	38.2





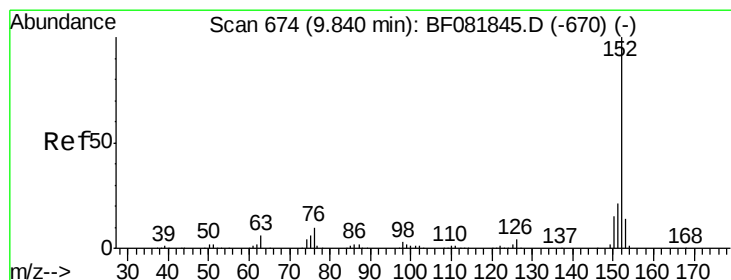
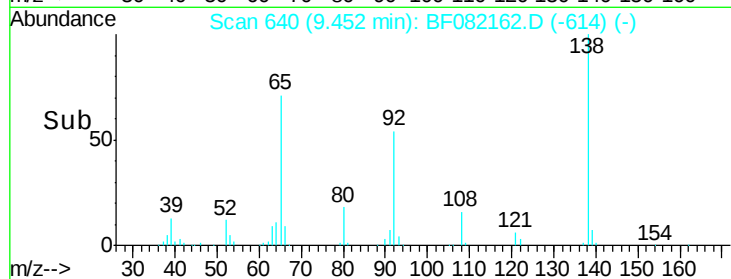
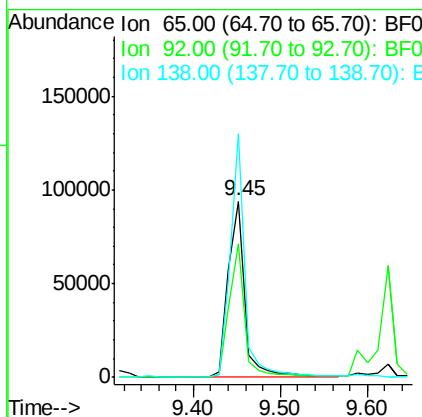
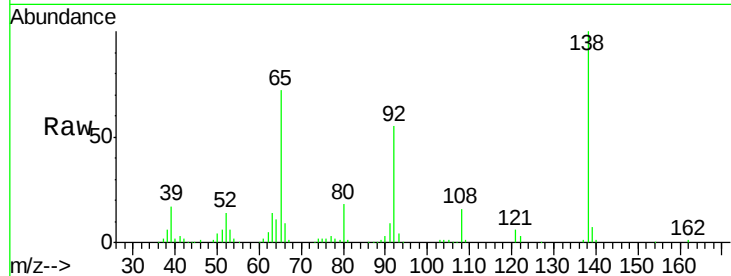
#47
2-Nitroaniline
Concen: 47.87 ng
RT: 9.45 min Scan# 640
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.6	55.4	83.0
138	138.2	115.5	173.3

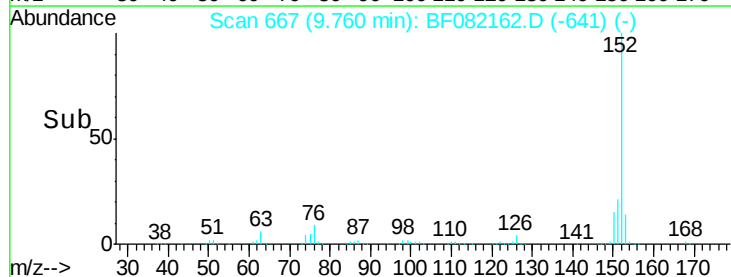
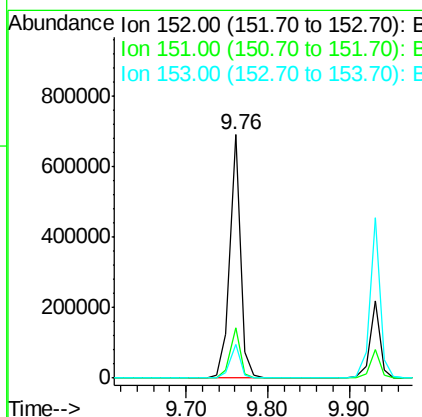
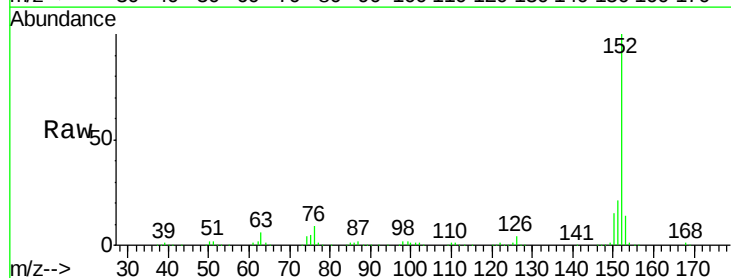
Manual Integrations
APPROVED

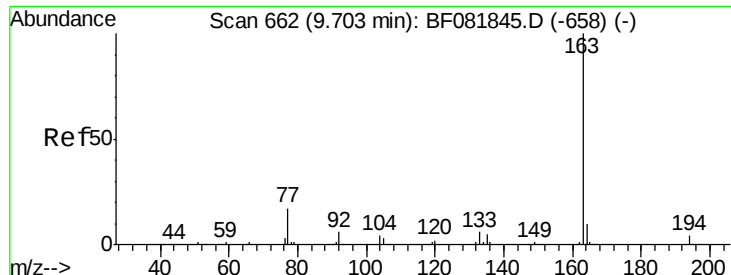
MMDadoda
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#48
Acenaphthylene
Concen: 43.07 ng
RT: 9.76 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	14.6	22.0
153	13.7	10.3	15.5





#49

Dimethylphthalate

Concen: 59.52 ng

RT: 9.62 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF082162.D

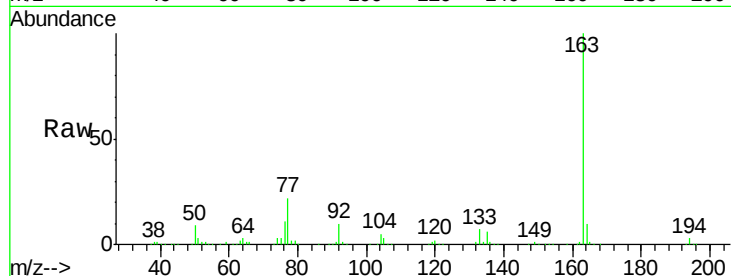
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)MS



Tgt Ion:163 Resp: 613418

Ion Ratio Lower Upper

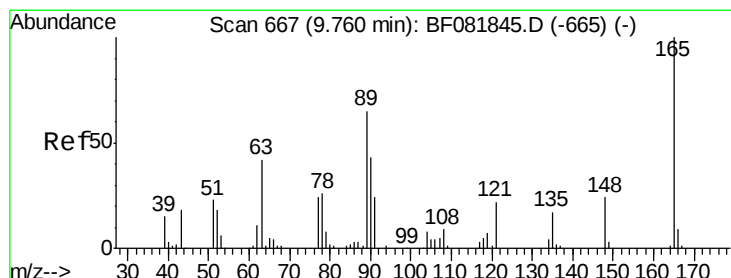
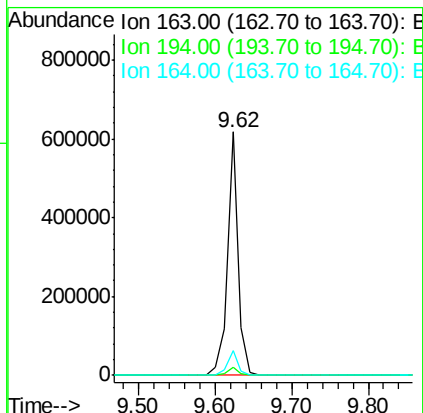
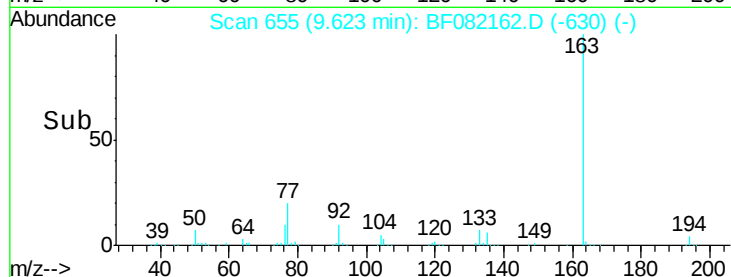
163 100

194 3.4 4.4 6.6#

164 10.3 8.3 12.5

Manual Integrations
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#50

2,6-Dinitrotoluene

Concen: 43.82 ng

RT: 9.69 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

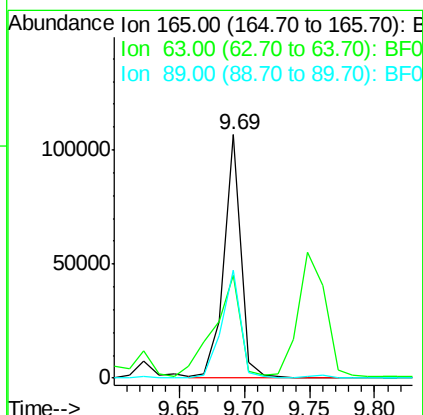
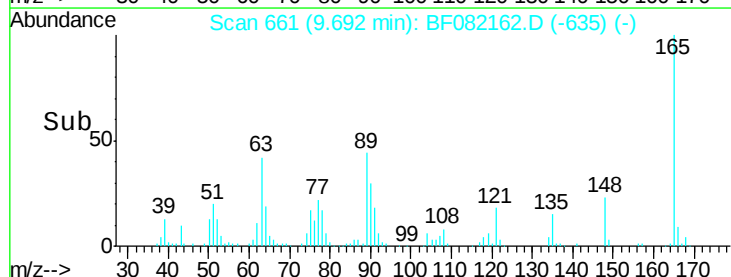
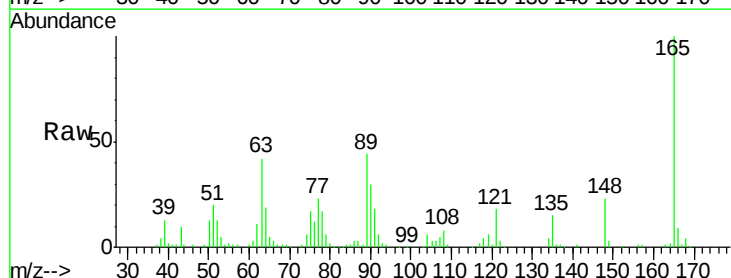
Tgt Ion:165 Resp: 98046

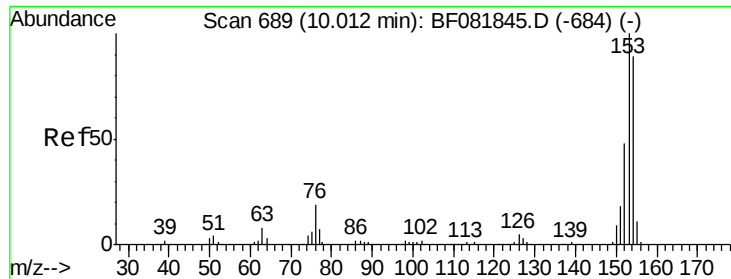
Ion Ratio Lower Upper

165 100

63 42.3 32.3 48.5

89 44.2 28.6 43.0#





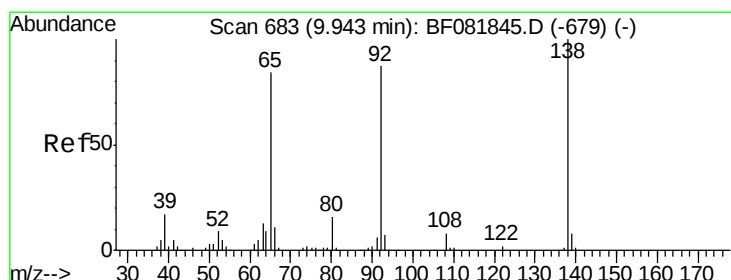
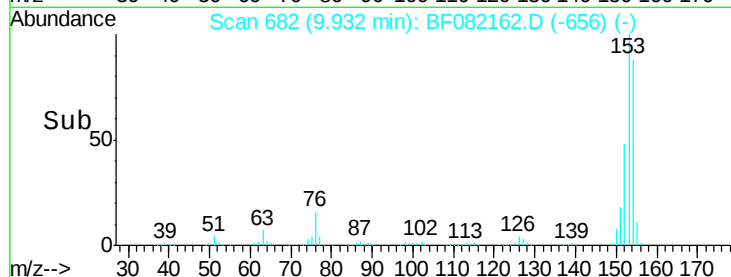
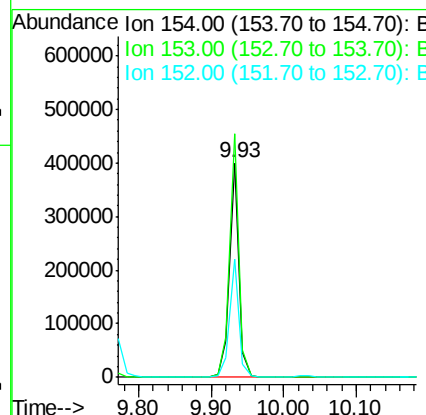
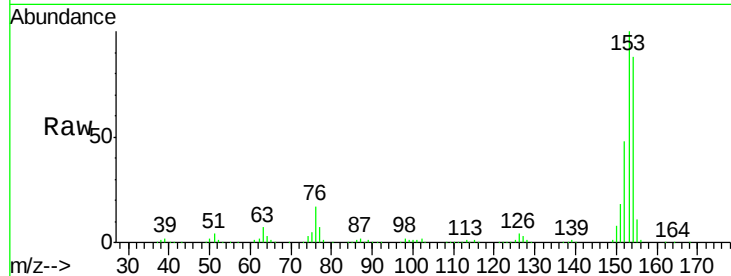
#51
Acenaphthene
Concen: 42.23 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	363043		
153	113.5	82.1	123.1	
152	55.0	37.9	56.9	

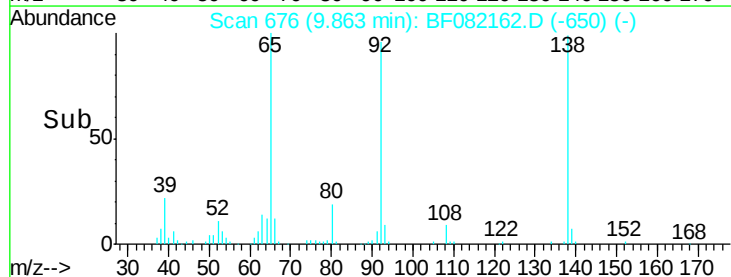
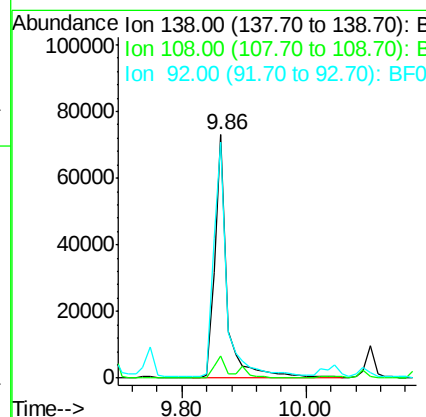
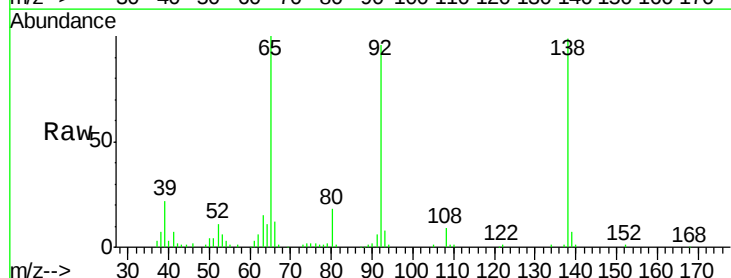
Manual Integrations
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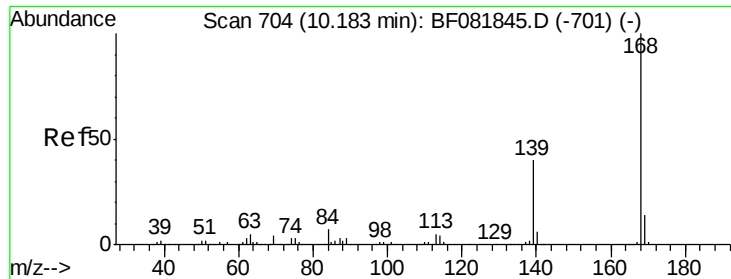
MMDadoda
10/12/2015 2:46:24 PM



#52
3-Nitroaniline
Concen: 39.01 ng
RT: 9.86 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	100981		
108	9.0	5.7	8.5#	
92	96.7	67.7	101.5	





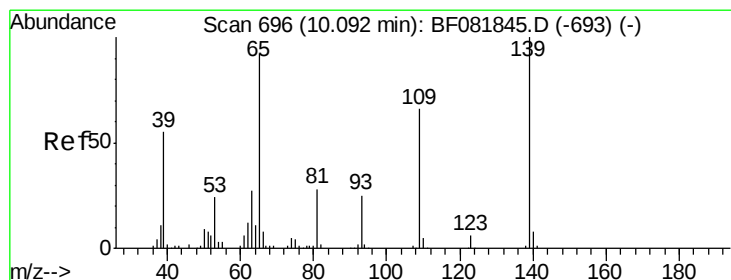
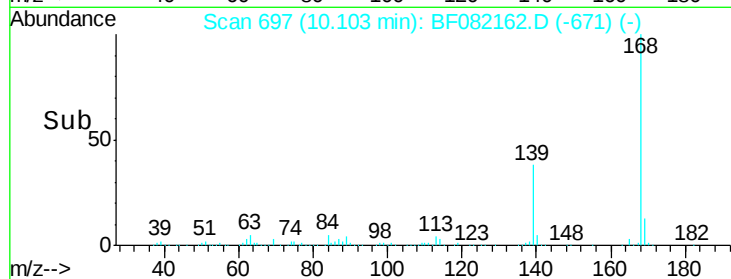
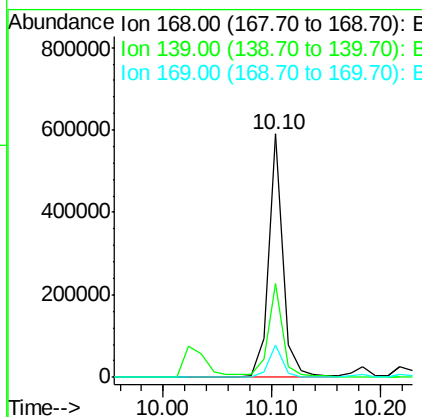
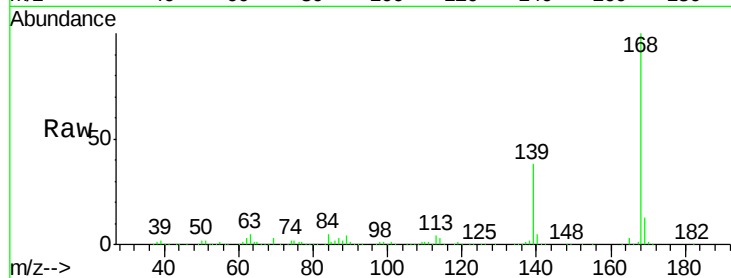
#54
Dibenzenofuran
Concen: 45.04 ng
RT: 10.10 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.3	24.2	36.2#
169	13.5	10.6	15.8

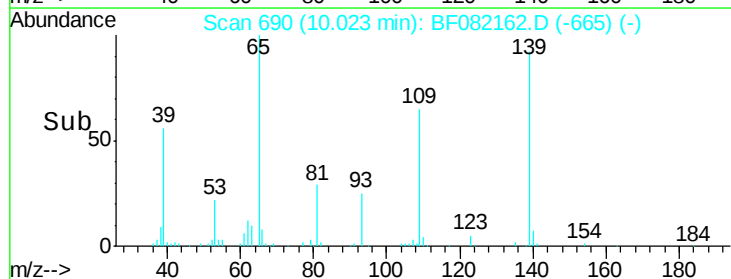
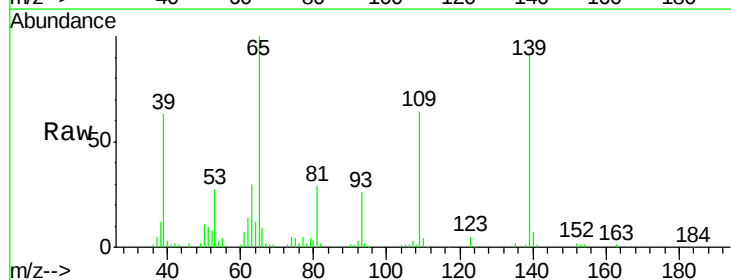
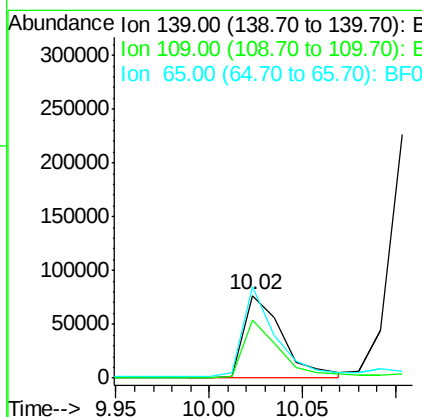
Manual Integrations
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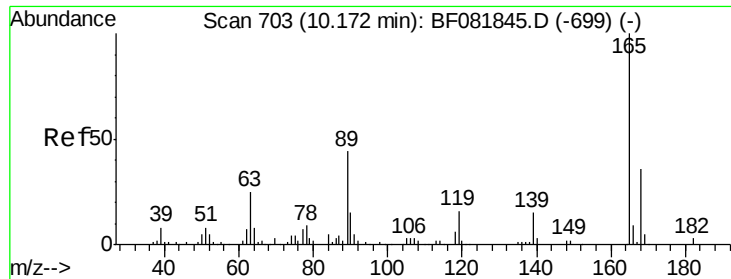
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#55
4-Nitrophenol
Concen: 60.19 ng
RT: 10.02 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	70.4	12.7	52.7#
65	110.0	45.9	85.9#





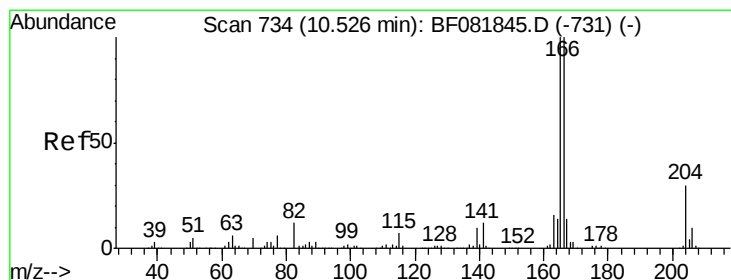
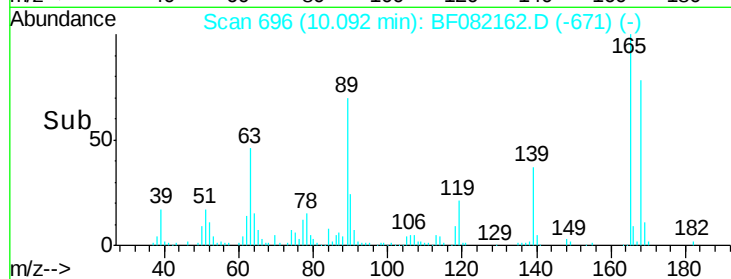
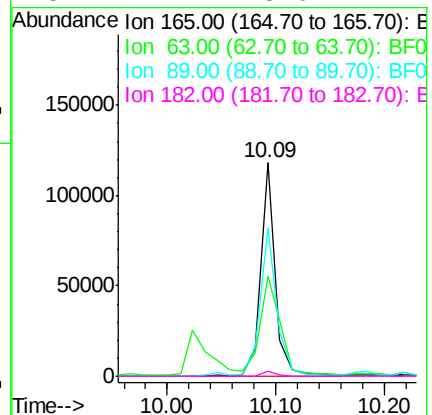
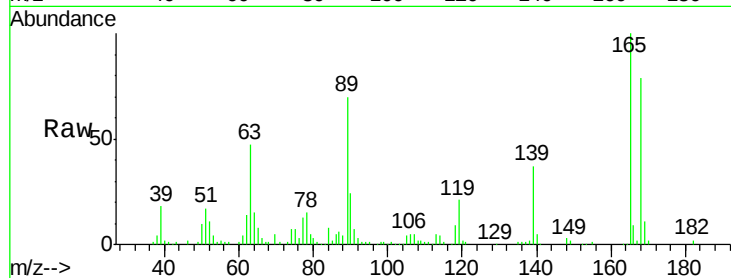
#56
2,4-Dinitrotoluene
Concen: 39.25 ng
RT: 10.09 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	46.9	29.8	44.6#
89	69.8	44.5	66.7#
182	2.2	3.0	4.4#

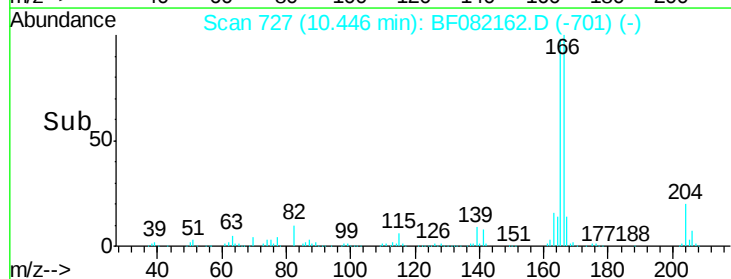
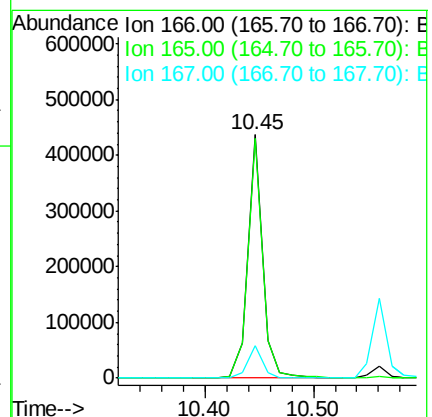
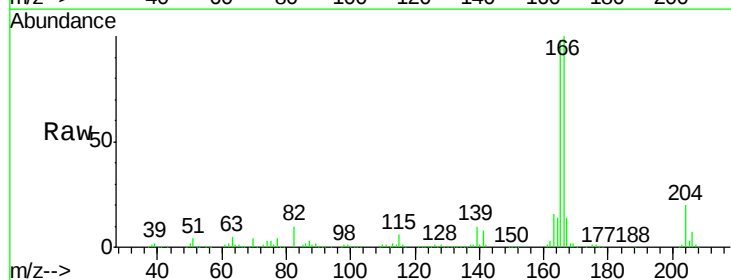
Manual Integrations
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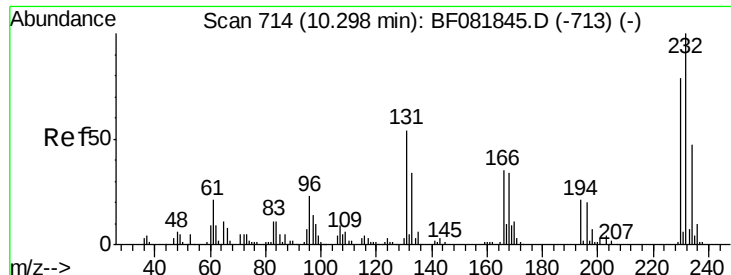
MMDadoda
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#57
Fluorene
Concen: 46.86 ng
RT: 10.45 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.4	72.6	109.0
167	13.5	10.6	16.0





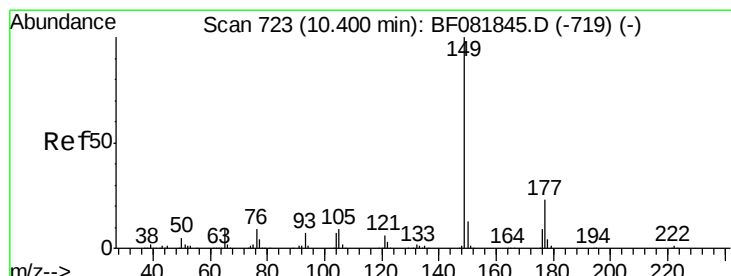
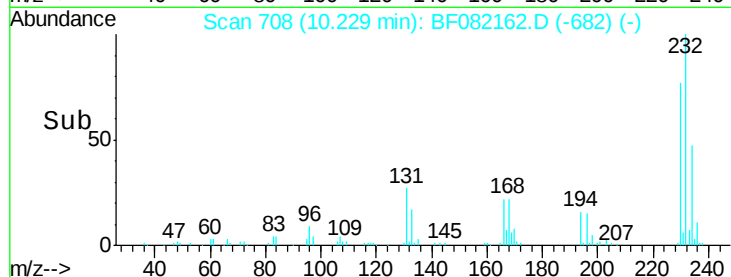
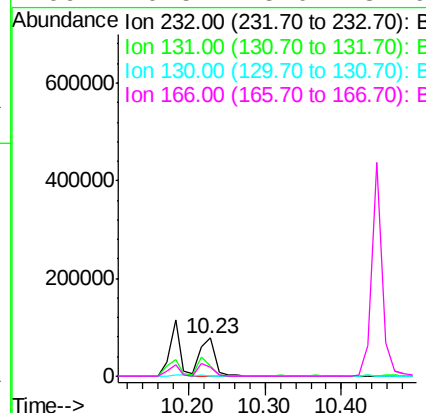
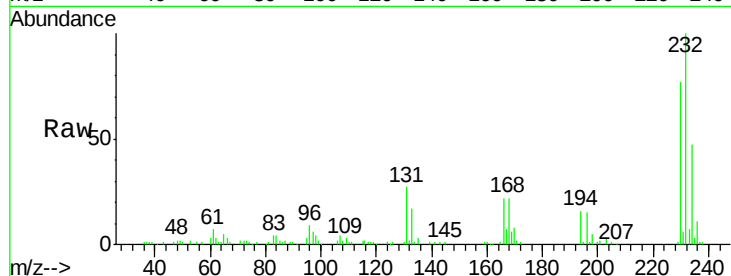
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 41.64 ng
 RT: 10.23 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	106746		
131	41.1	38.5	57.7	
130	0.0	1.8	2.6	
166	29.5	25.0	37.6	

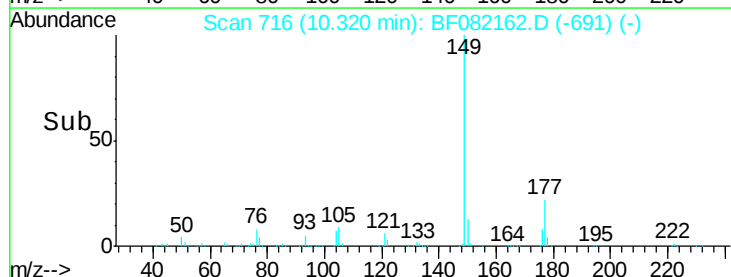
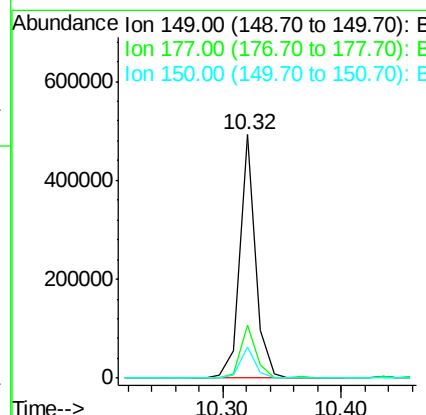
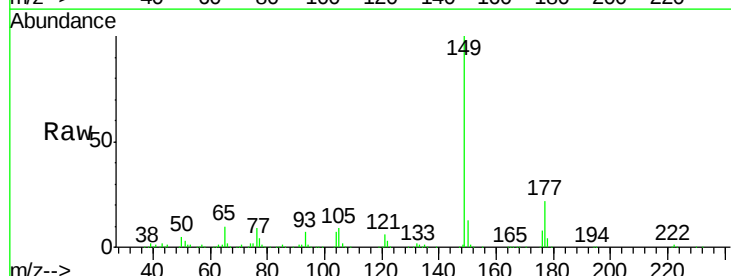
Manual Integrations
 APPROVED

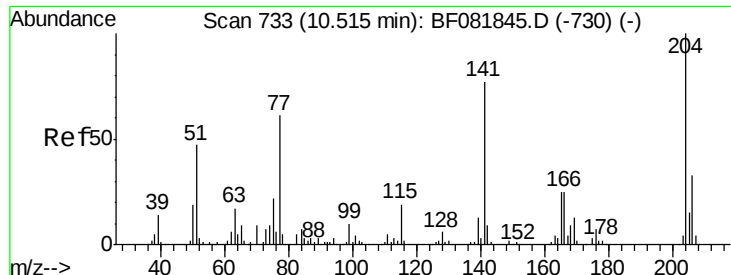
MMDadoda
 10/12/2015 2:46:24 PM



#59
 Diethylphthalate
 Concen: 47.05 ng
 RT: 10.32 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	452922		
177	21.6	17.5	26.3	
150	12.9	9.4	14.2	





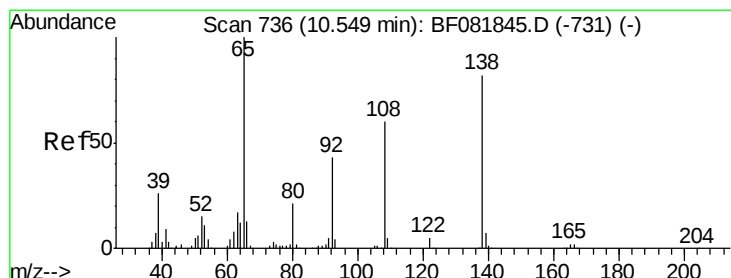
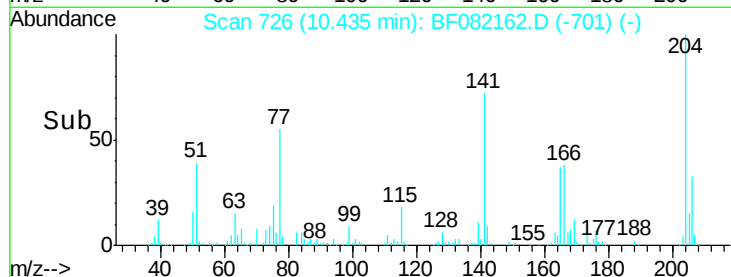
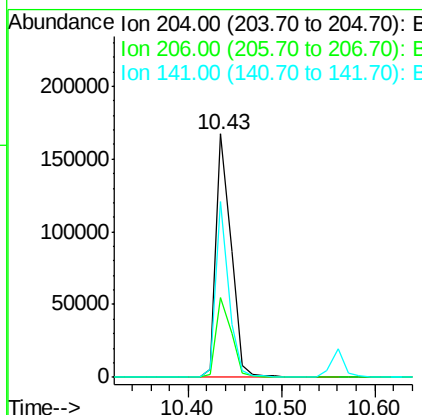
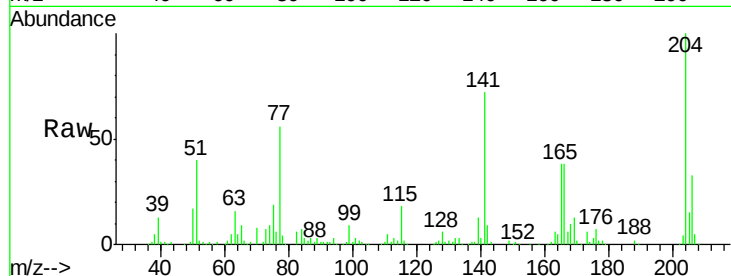
#60
4-Chlorophenyl-phenylether
Concen: 42.21 ng
RT: 10.43 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.9	24.8	37.2
141	72.4	42.2	63.4

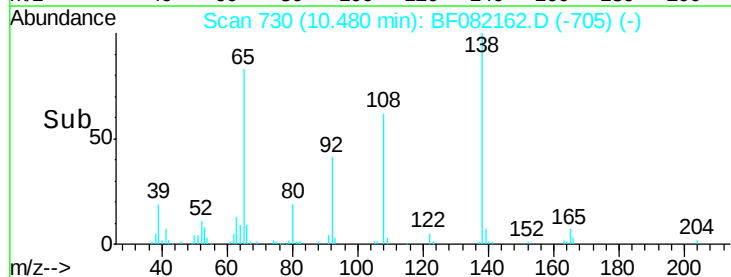
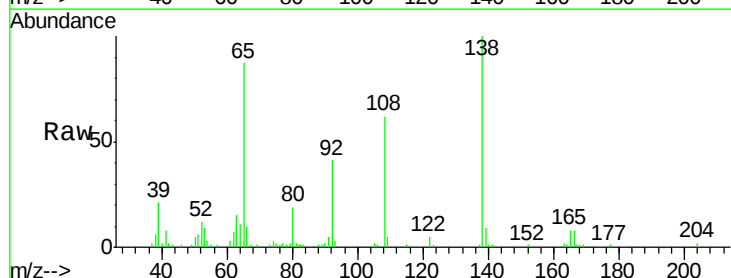
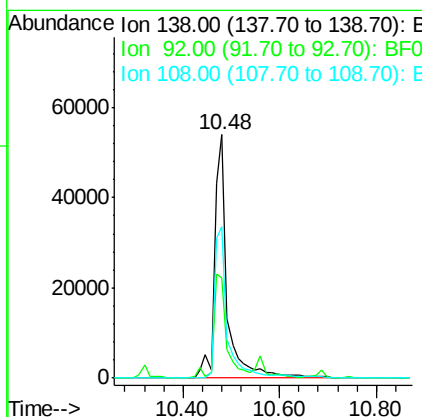
Manual Integrations
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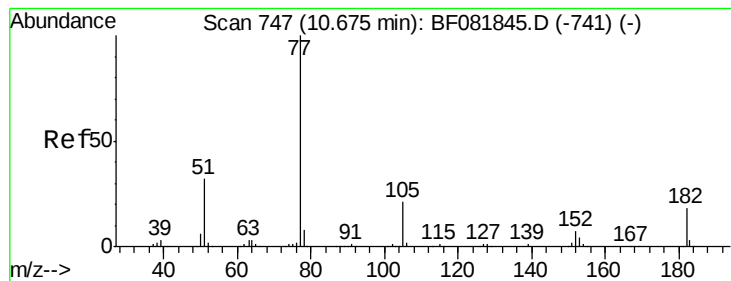
MMDadoda
10/12/2015 2:46:24 PM



#61
4-Nitroaniline
Concen: 39.21 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
138	100		
92	41.1	12.6	52.6
108	62.2	12.4	52.4





#62

Azobenzene

Concen: 43.49 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF082162.D

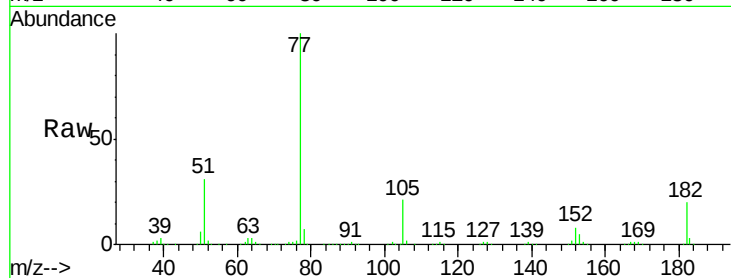
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)MS



Tgt Ion: 77 Resp: 408597

Ion Ratio Lower Upper

77 100

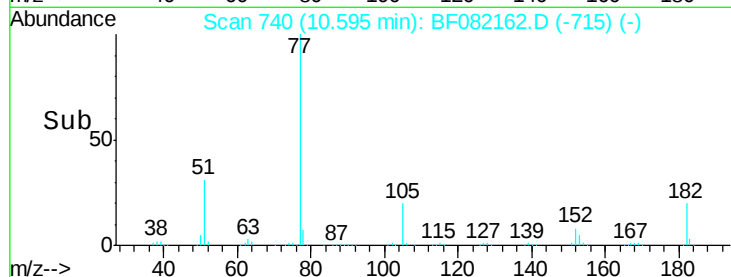
182 19.9 15.1 55.1

105 21.4 3.4 43.4

51 31.1 12.0 52.0

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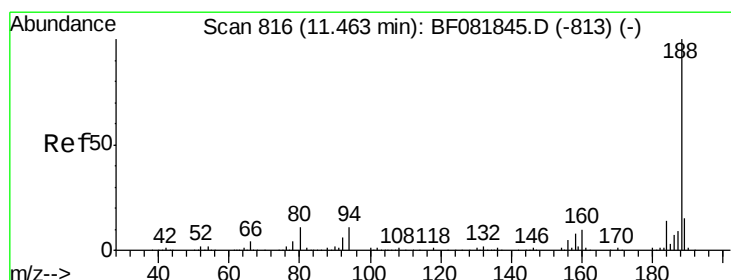
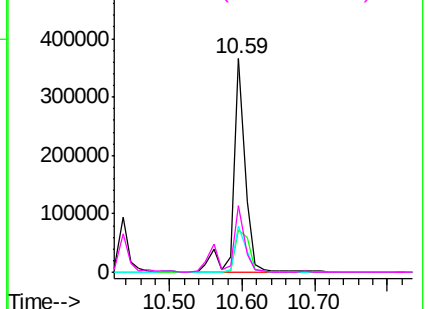


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

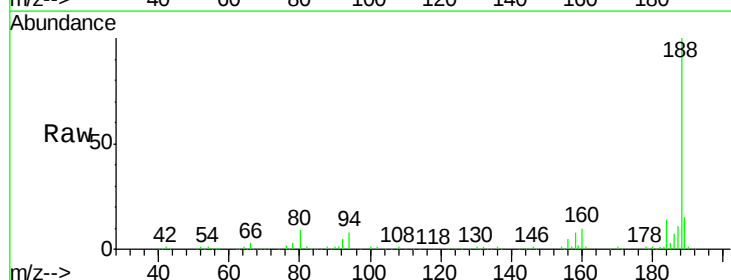
Tgt Ion: 188 Resp: 245124

Ion Ratio Lower Upper

188 100

94 8.0 11.1 16.7#

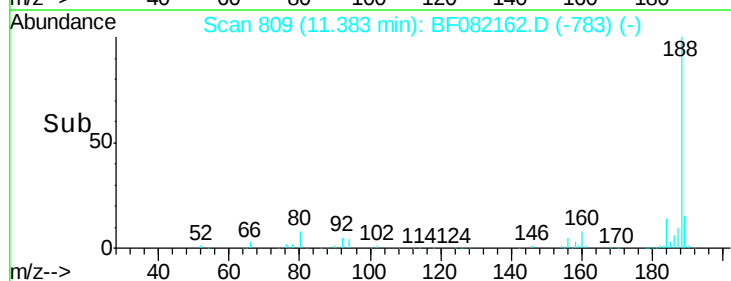
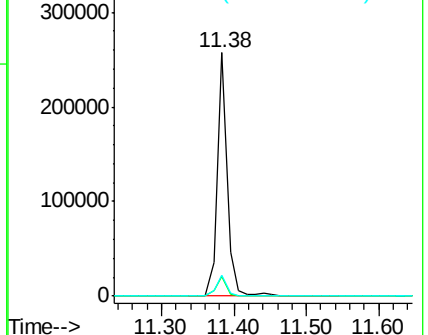
80 8.6 11.0 16.4#

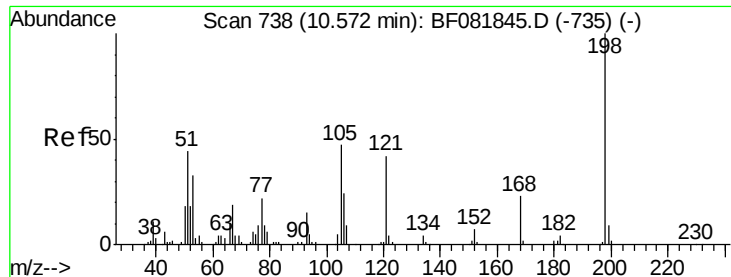


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.93 ng

RT: 10.50 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF082162.D

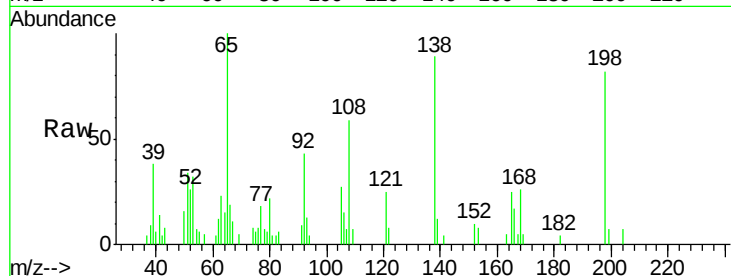
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

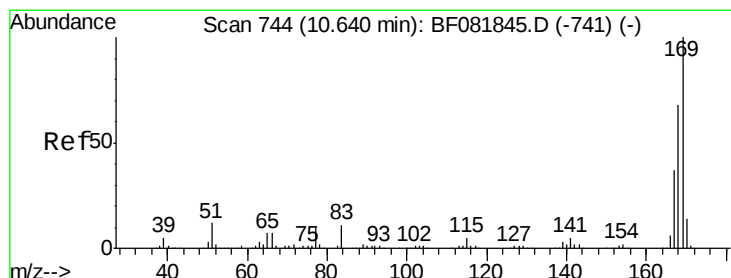
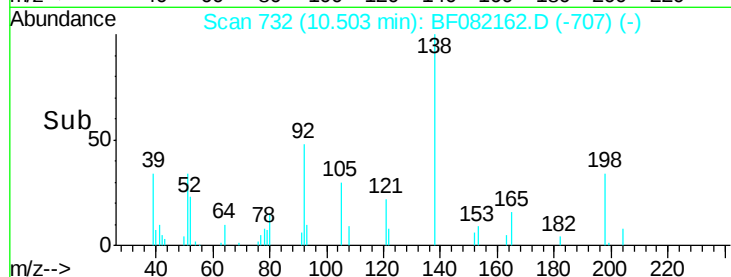
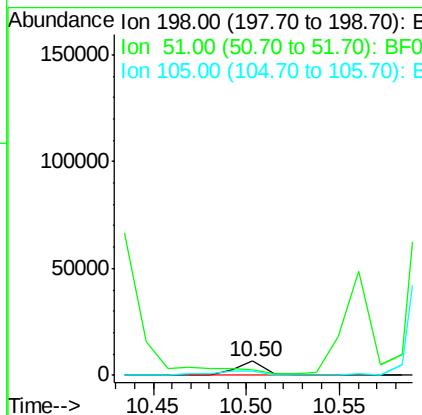
OS-SB-22(46-48)MS



Tgt Ion:	198	Resp:	7327
Ion Ratio	Lower	Upper	
198	100		
51	40.8	39.6	79.6
105	32.7	28.5	68.5

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#65

n-Nitrosodiphenylamine

Concen: 50.19 ng

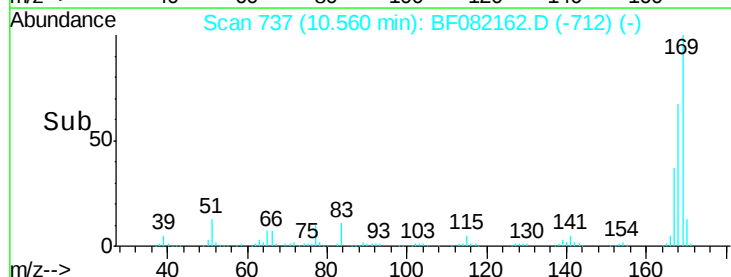
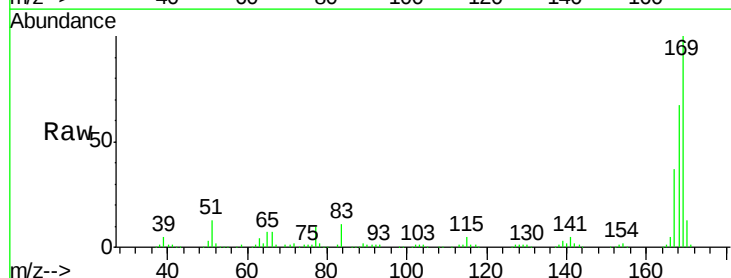
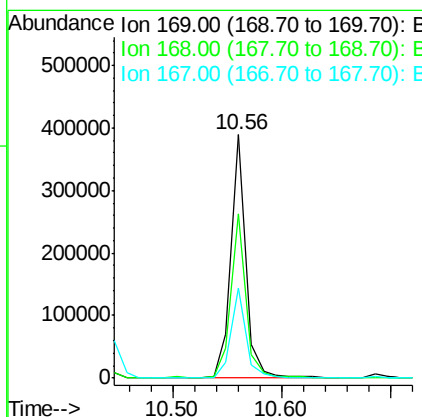
RT: 10.56 min Scan# 737

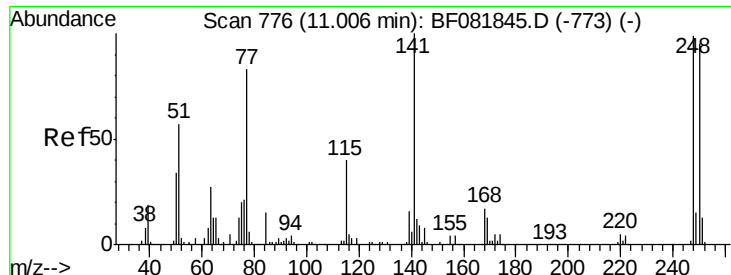
Delta R.T. -0.01 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Tgt Ion:	169	Resp:	372229
Ion Ratio	Lower	Upper	
169	100		
168	67.5	48.9	73.3
167	37.0	26.2	39.4





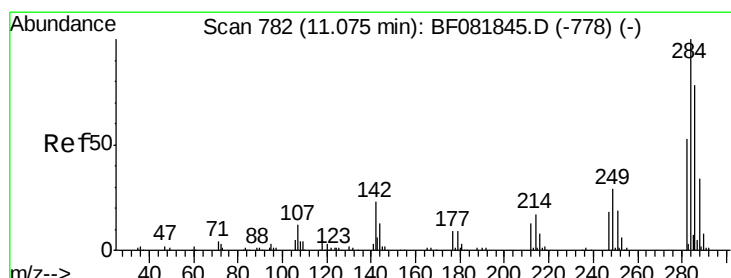
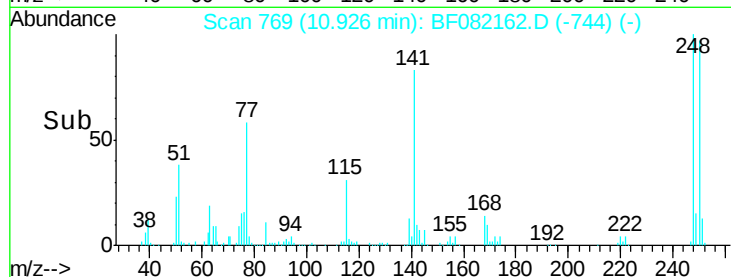
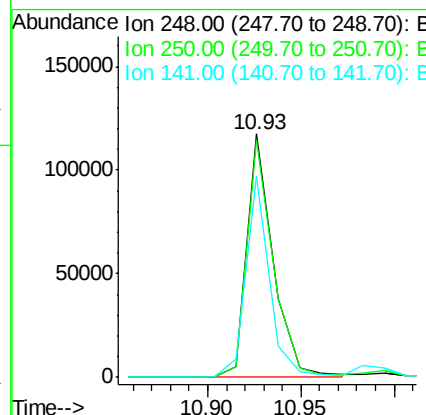
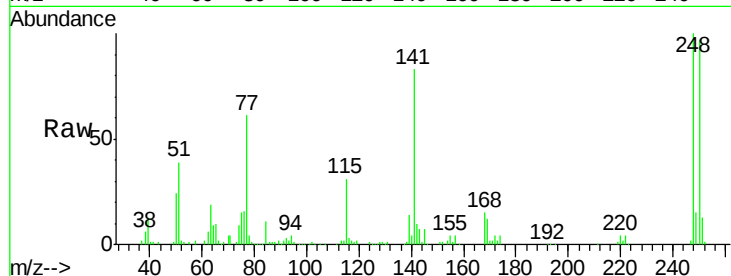
#66
 4-Bromophenyl-phenylether
 Concen: 46.57 ng
 RT: 10.93 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	115105		
250	97.3	78.5	117.7	
141	82.9	59.0	88.6	

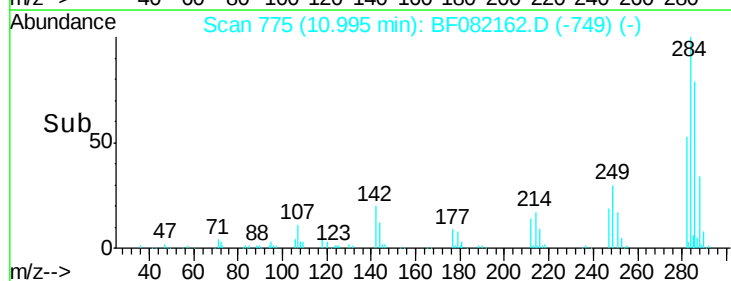
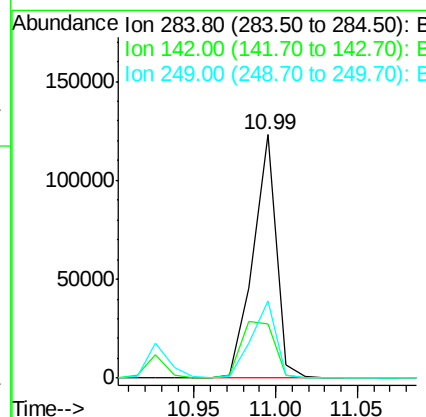
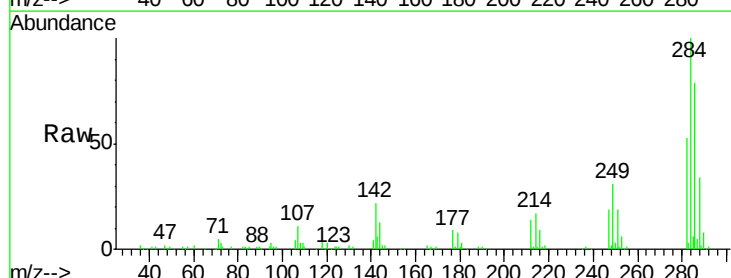
Manual Integrations
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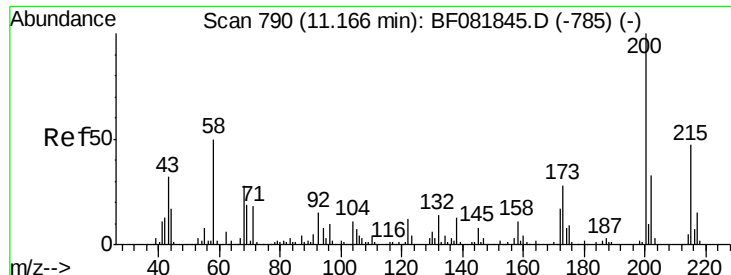
MMDadoda
 10/12/2015 2:46:24 PM



#67
 Hexachlorobenzene
 Concen: 43.62 ng
 RT: 10.99 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	121669		
142	22.0	29.5	44.3#	
249	31.5	19.5	29.3#	





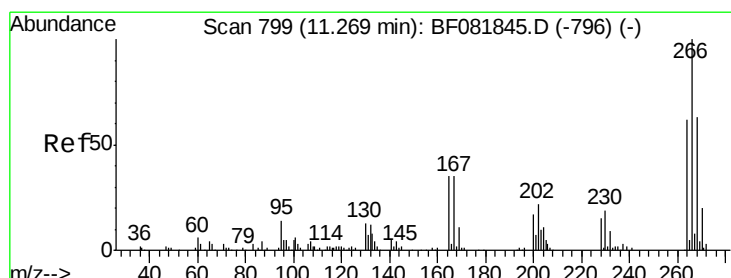
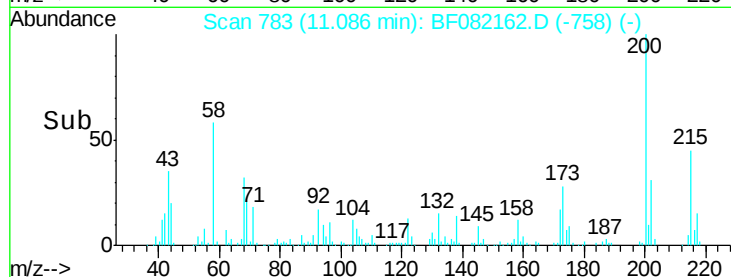
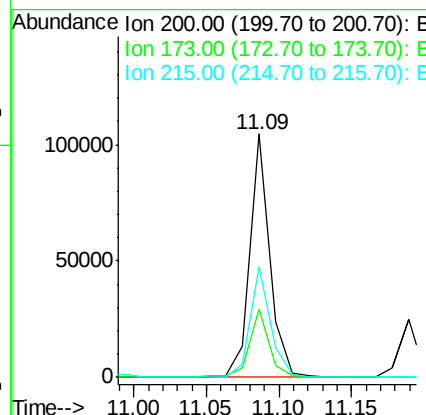
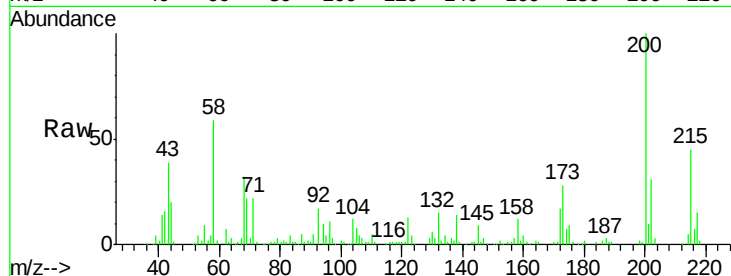
#68
Atrazine
Concen: 43.39 ng
RT: 11.09 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.9	13.2	53.2
215	45.2	41.8	81.8

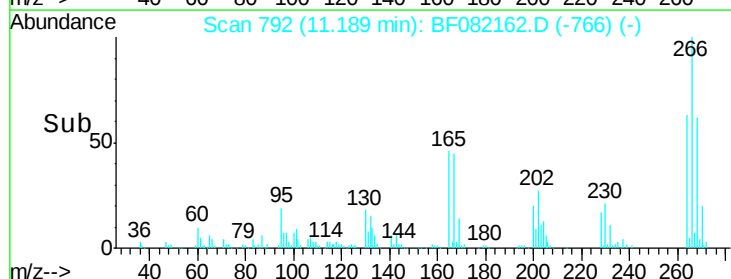
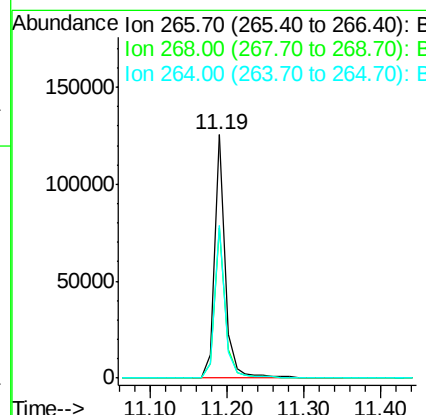
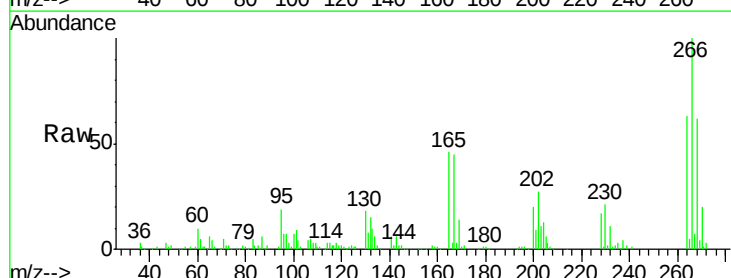
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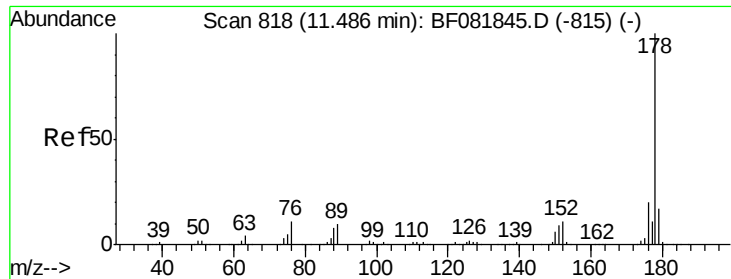
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#69
Pentachlorophenol
Concen: 75.14 ng
RT: 11.19 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.8	49.8	74.6
264	63.0	50.2	75.2





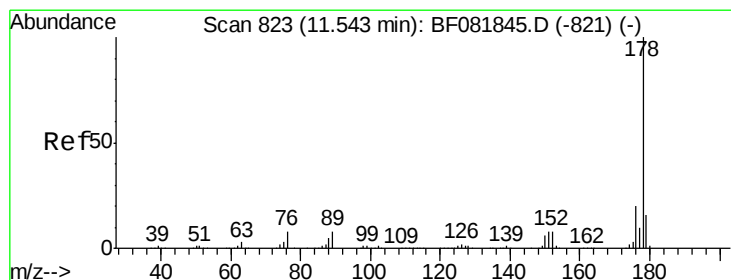
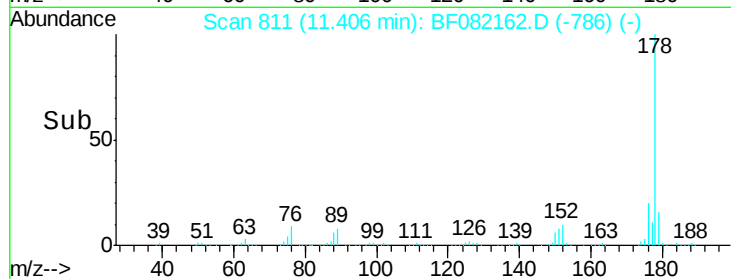
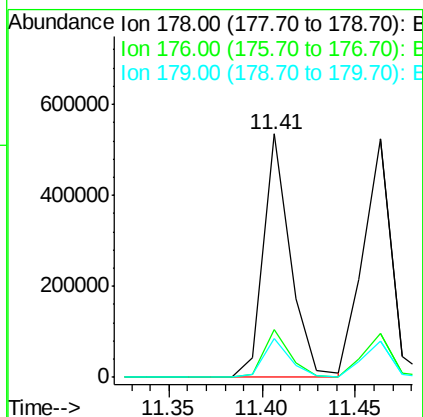
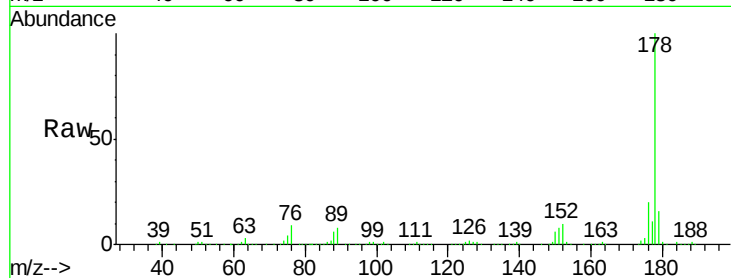
#70
Phenanthrene
Concen: 45.30 ng
RT: 11.41 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	13.8	20.8
179	15.9	12.2	18.2

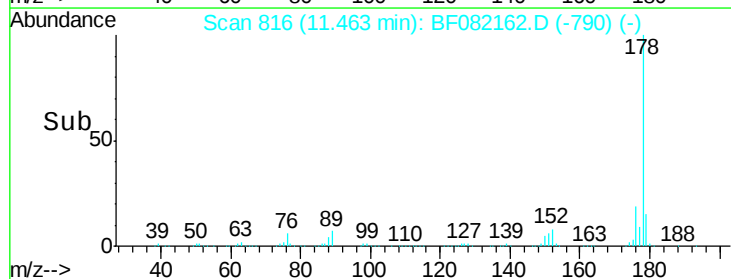
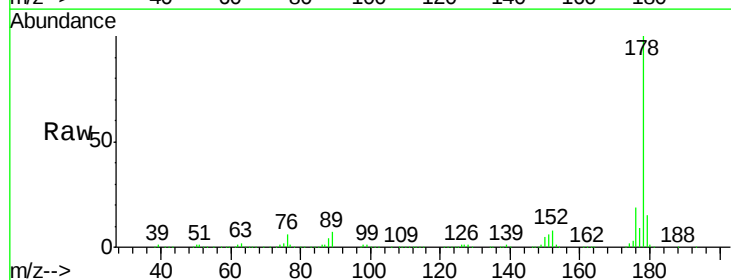
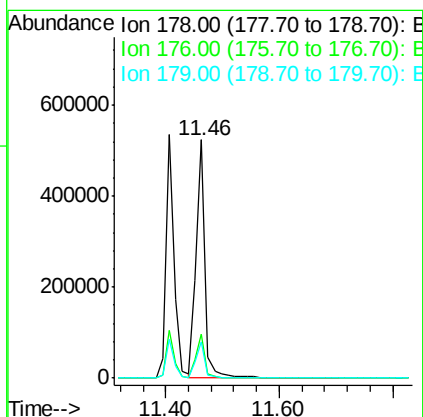
Manual Integrations
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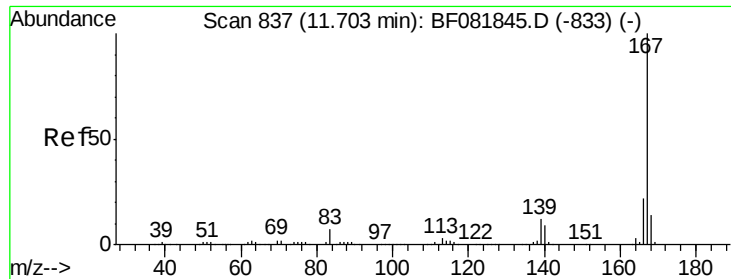
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#71
Anthracene
Concen: 45.89 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.1	21.1
179	15.2	12.2	18.2





#72

Carbazole

Concen: 43.48 ng

RT: 11.62 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF082162.D

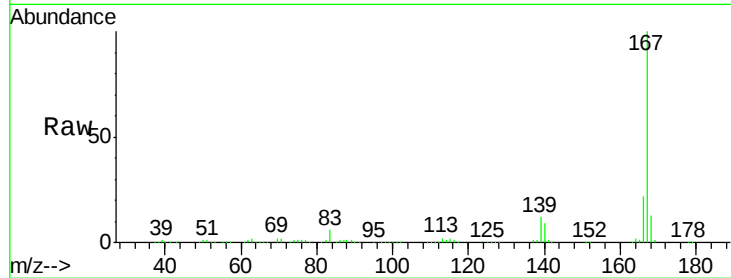
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(46-48)MS



Tgt Ion:167 Resp: 490320

Ion Ratio Lower Upper

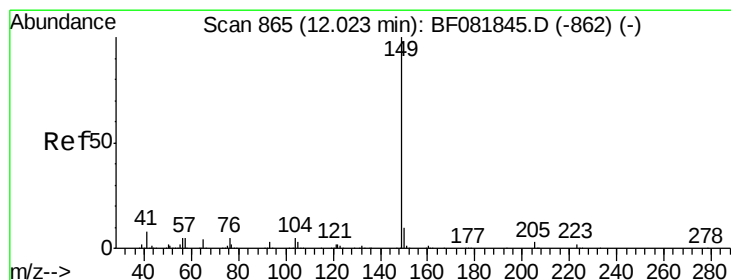
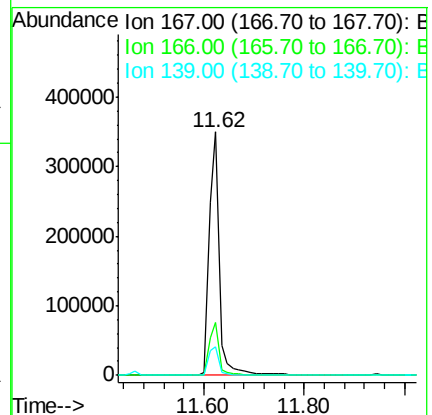
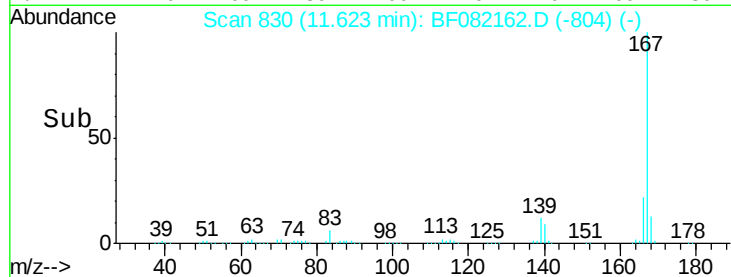
167 100

166 21.8 15.7 23.5

139 11.6 9.5 14.3

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#73

Di-n-butylphthalate

Concen: 56.62 ng

RT: 11.94 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

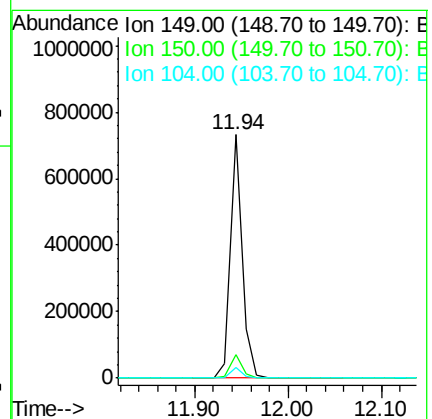
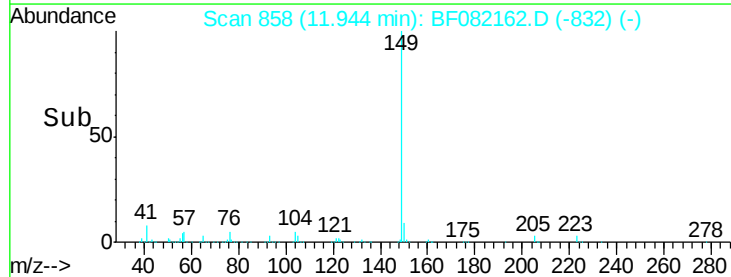
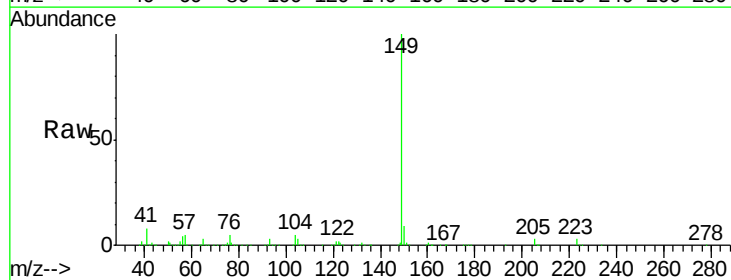
Tgt Ion:149 Resp: 646325

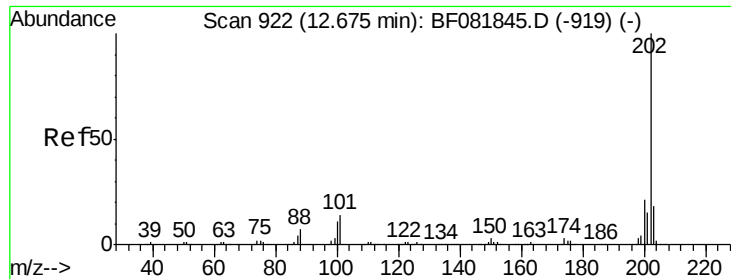
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 4.6 2.4 3.6#





#74

Fluoranthene

Concen: 40.48 ng

RT: 12.60 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

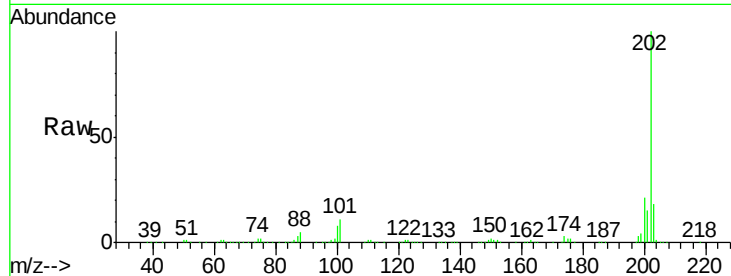
ClientSampleId :

OS-SB-22(46-48)MS

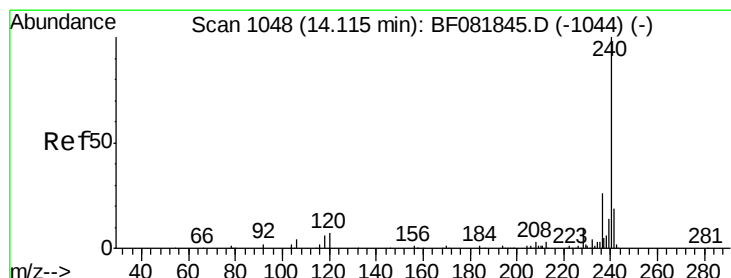
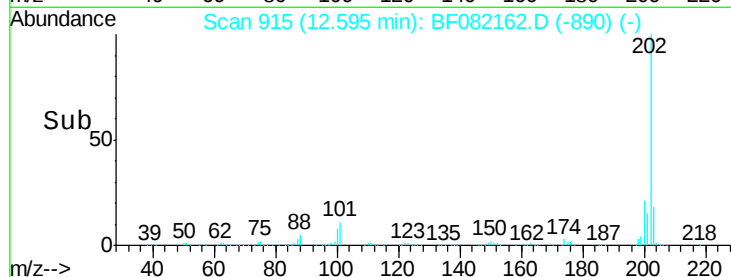
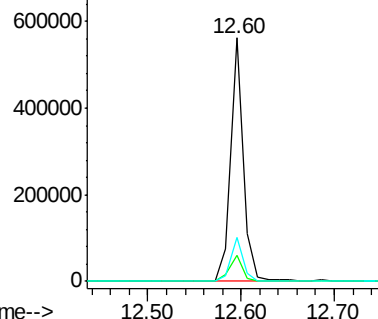
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		531577		
101	10.5	0.0	38.3		
203	18.1	0.0	37.3		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

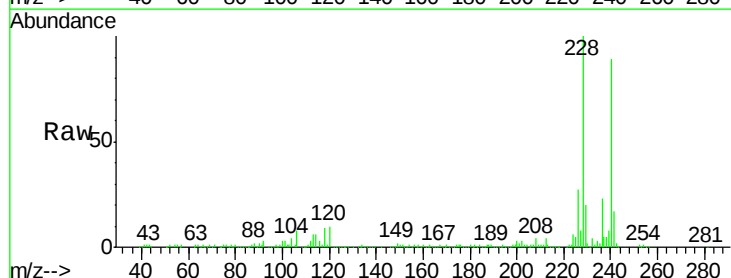
RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

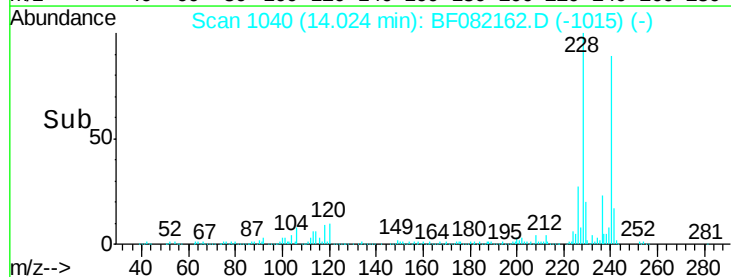
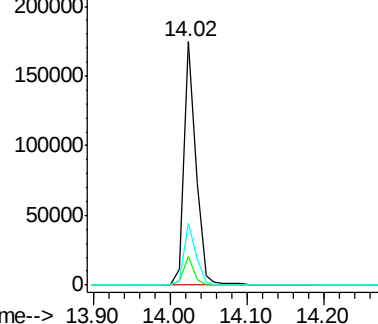
Lab File: BF082162.D

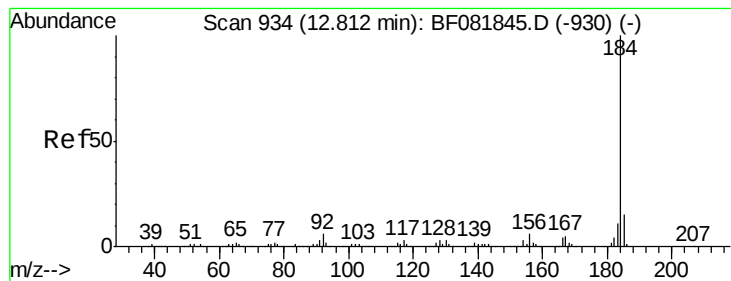
Acq: 9 Oct 2015 23:47

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		188819		
120	11.7	16.2	24.2#		
236	25.5	18.4	27.6		



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





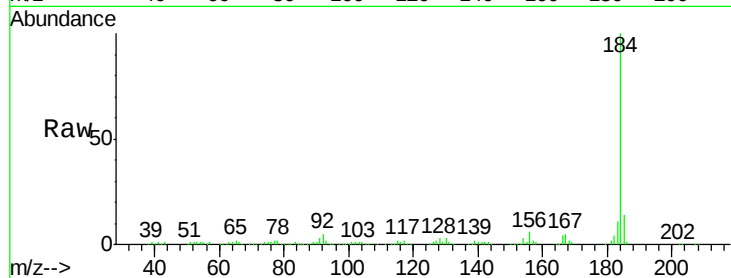
#76
Benzidine
Concen: 56.99 ng
RT: 12.73 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

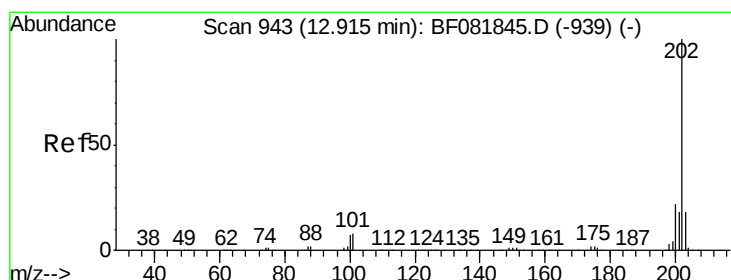
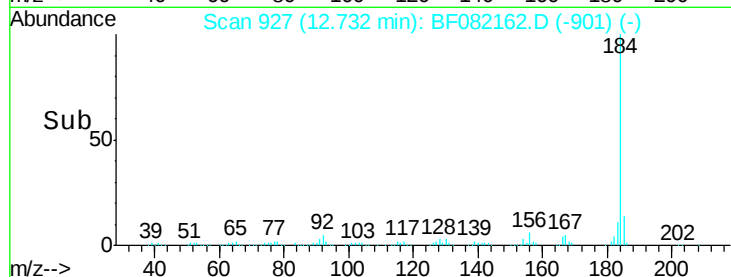
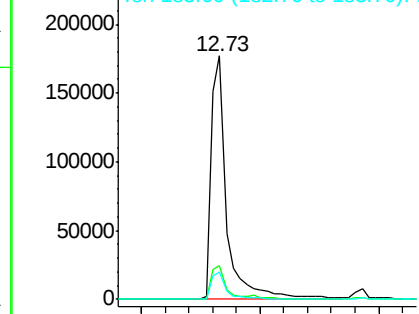
Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	11.2	7.6	11.4

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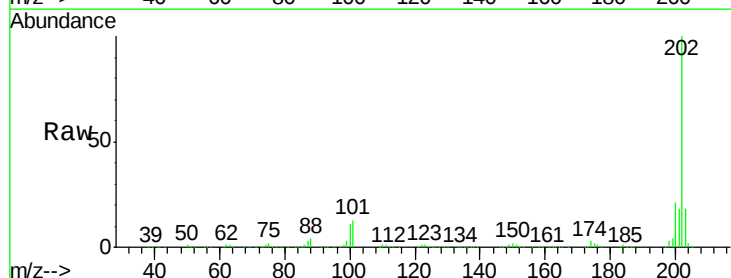


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

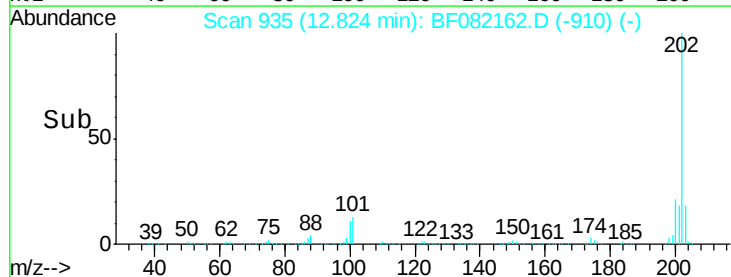
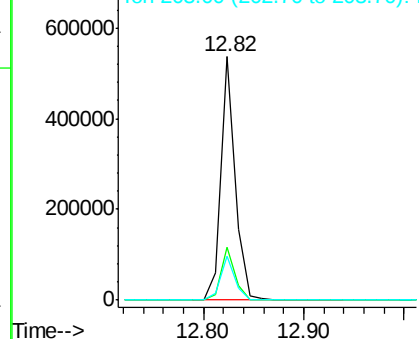


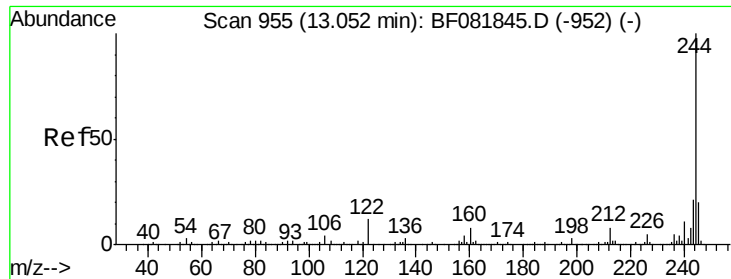
#77
Pyrene
Concen: 46.80 ng
RT: 12.82 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	15.0	22.4
203	17.9	14.1	21.1



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: 118.28 ng

RT: 12.97 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF082162.D

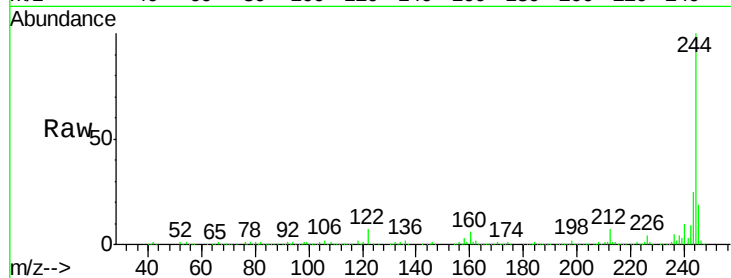
Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

ClientSampleId :

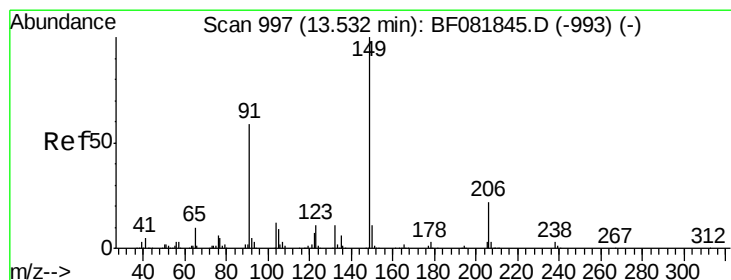
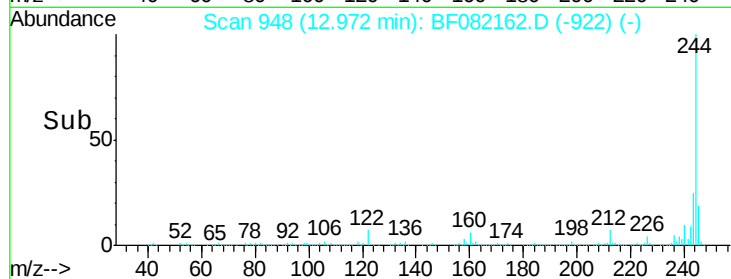
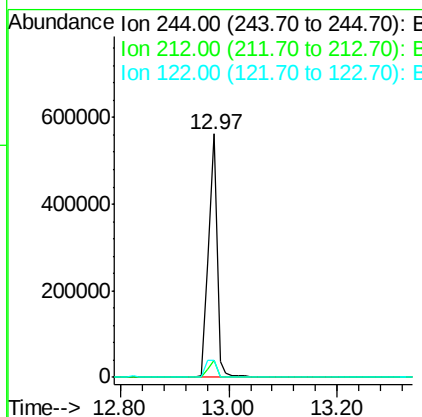
OS-SB-22(46-48)MS



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.3	6.5#
122	7.3	17.4	26.2#

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#79

Butylbenzylphthalate

Concen: 57.70 ng

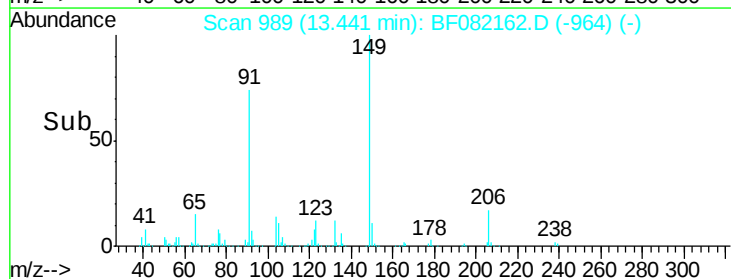
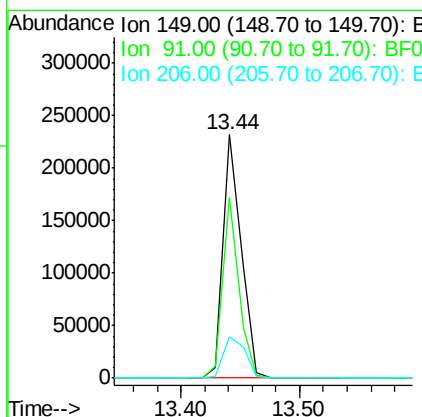
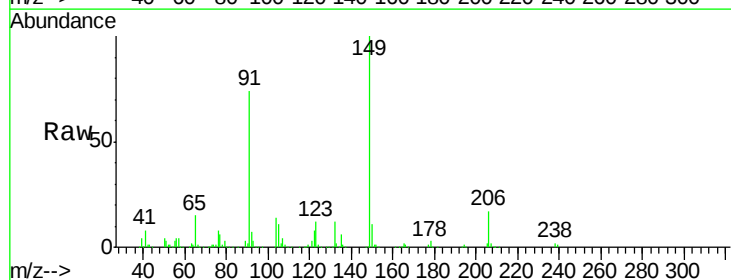
RT: 13.44 min Scan# 989

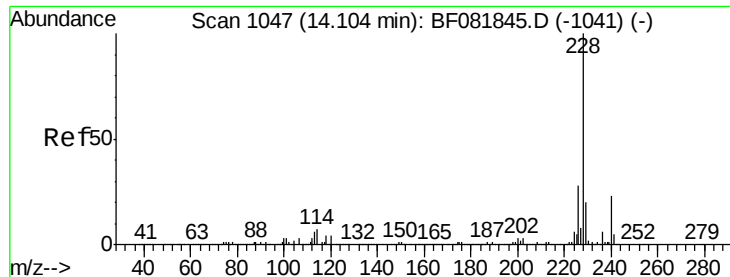
Delta R.T. -0.01 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.3	48.6	72.8#
206	16.8	14.9	22.3





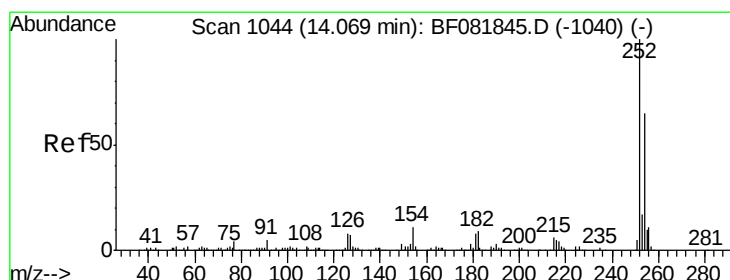
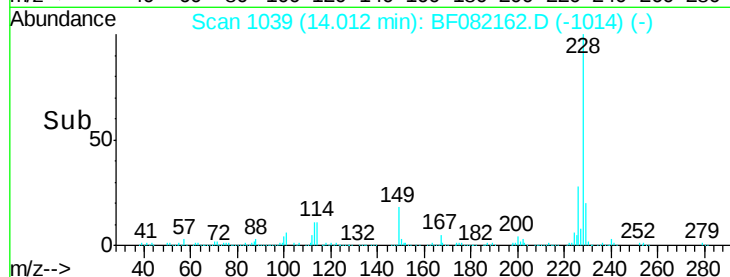
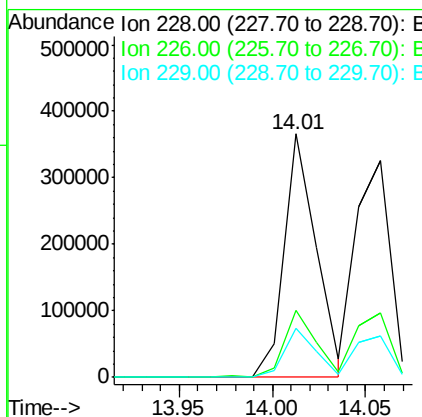
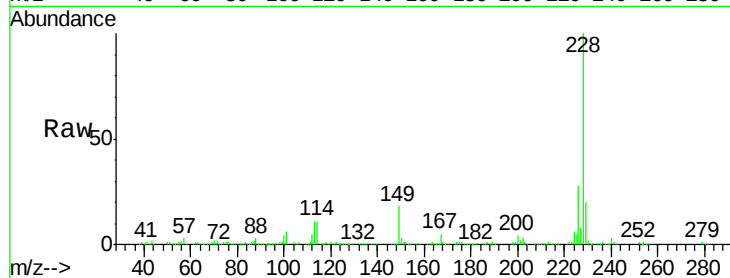
#80
Benzo(a)anthracene
Concen: 43.15 ng
RT: 14.01 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	20.0	30.0
229	19.9	15.4	23.2

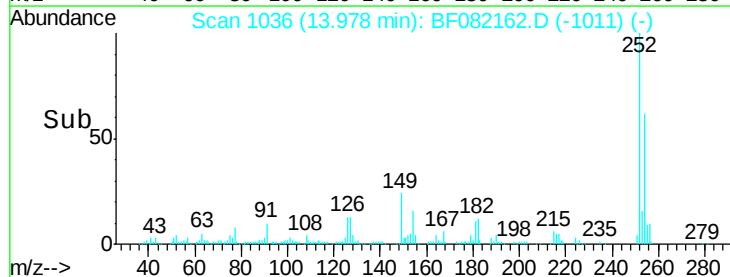
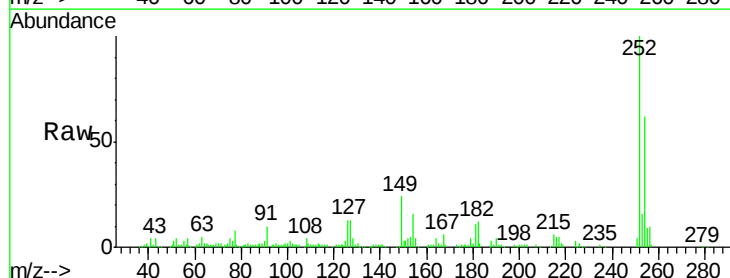
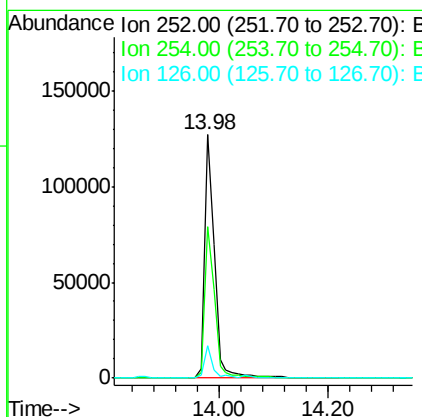
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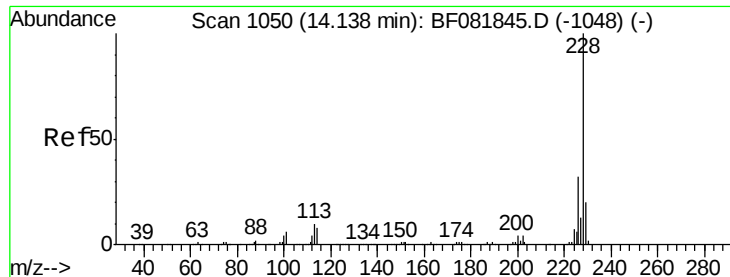
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#81
3,3'-Dichlorobenzidine
Concen: 46.26 ng
RT: 13.98 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.4	77.2
126	13.4	16.4	24.6





#82

Chrysene

Concen: 61.99 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF082162.D

Acq: 9 Oct 2015 23:47

Instrument :

BNA_F

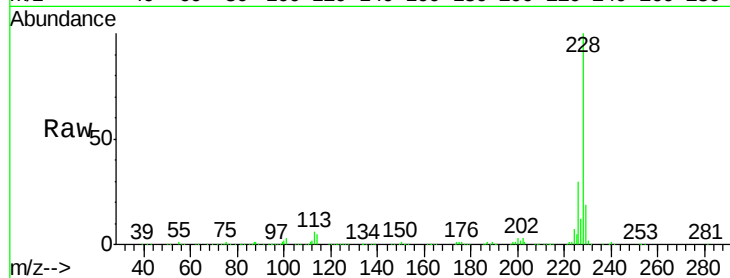
ClientSampleId :

OS-SB-22(46-48)MS

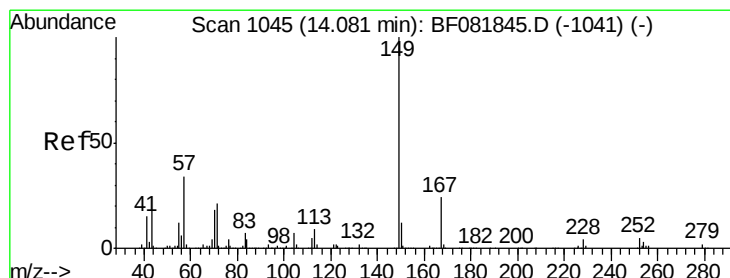
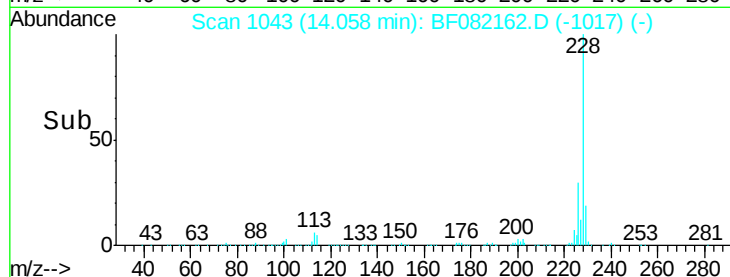
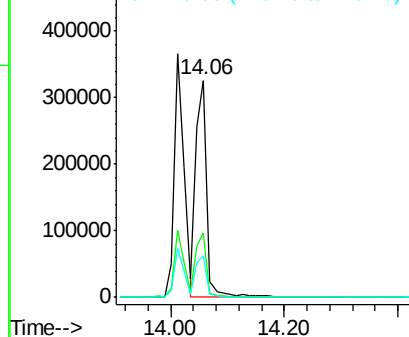
Tgt Ion:	228	Resp:	442025
Ion Ratio	Lower	Upper	
228	100		
226	29.8	21.0	31.4
229	19.3	15.6	23.4

Manual Integrations
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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: 82.61 ng

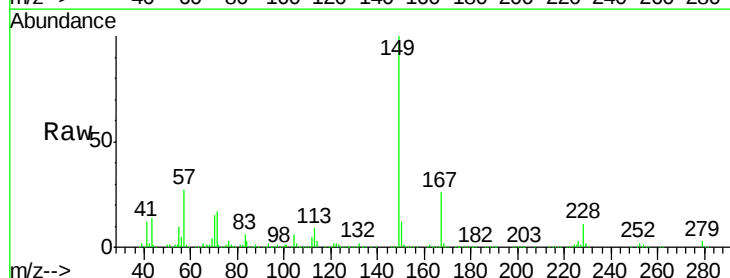
RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

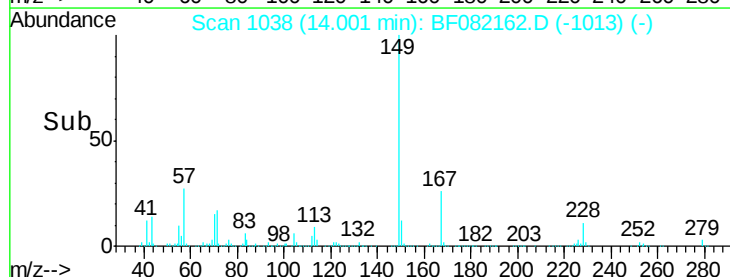
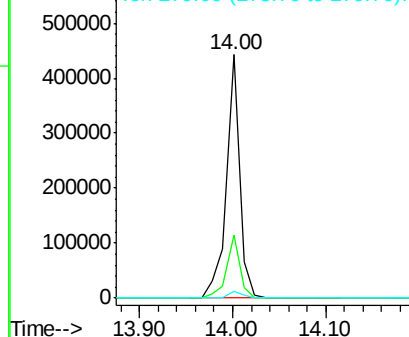
Lab File: BF082162.D

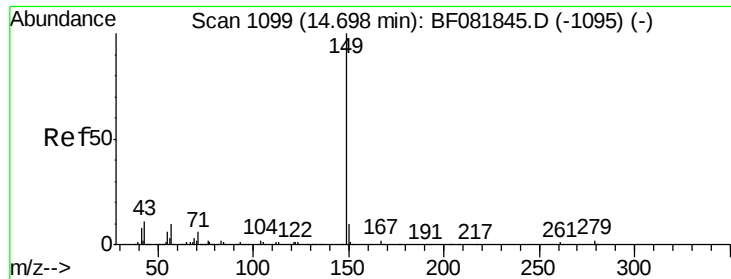
Acq: 9 Oct 2015 23:47

Tgt Ion:	149	Resp:	439851
Ion Ratio	Lower	Upper	
149	100		
167	26.2	24.2	36.2
279	2.7	3.8	5.6#



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





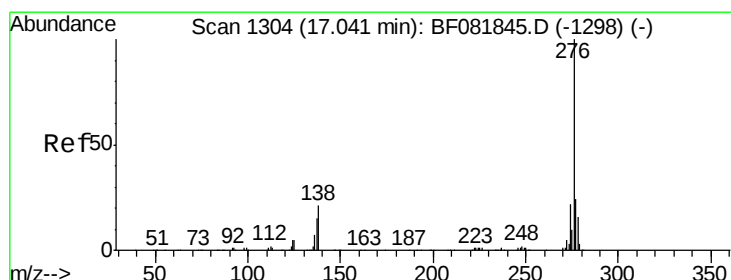
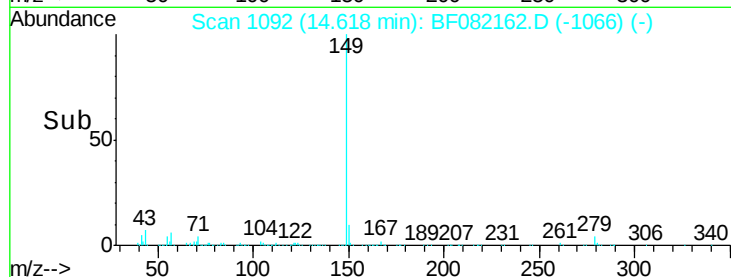
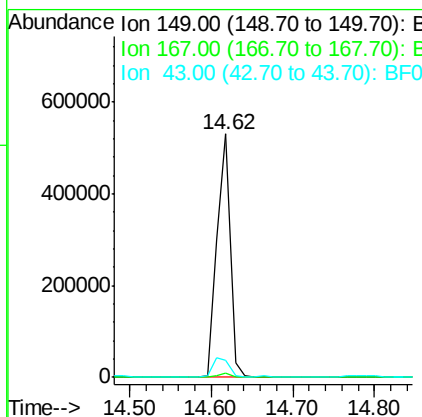
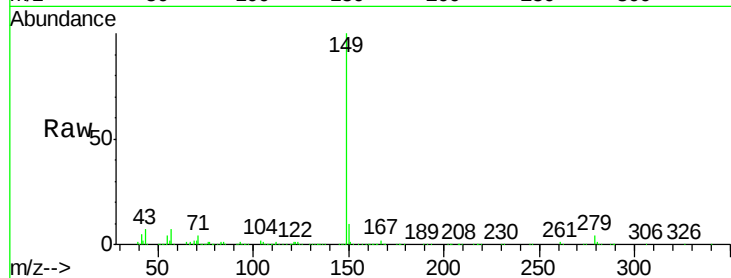
#84
Di-n-octyl phthalate
Concen: 69.00 ng
RT: 14.62 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.0	1.6#
43	9.4	10.2	15.2#

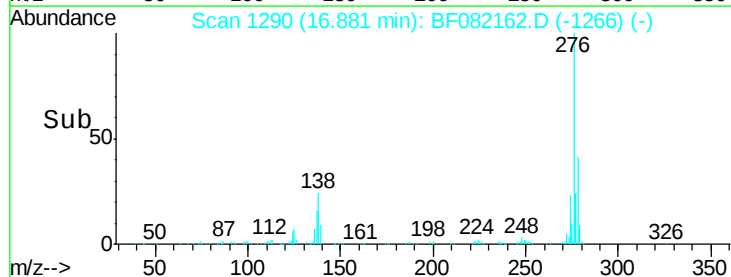
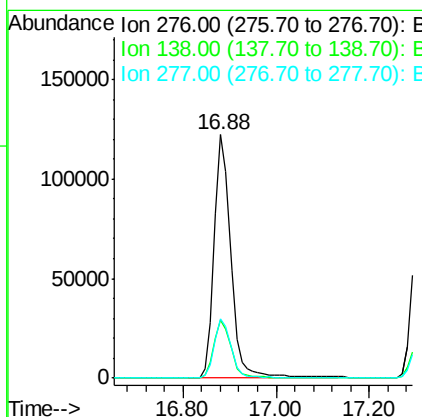
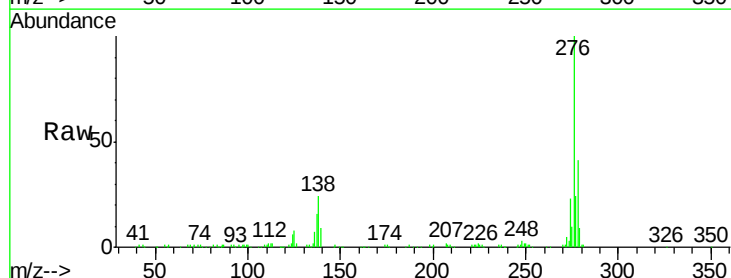
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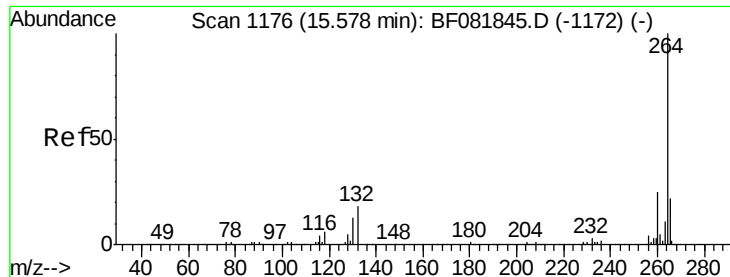
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#85
Indeno(1,2,3-cd)pyrene
Concen: 38.74 ng
RT: 16.88 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.7	38.5#
277	24.7	15.6	23.4#





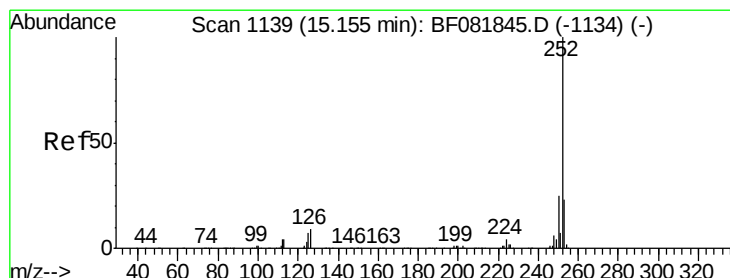
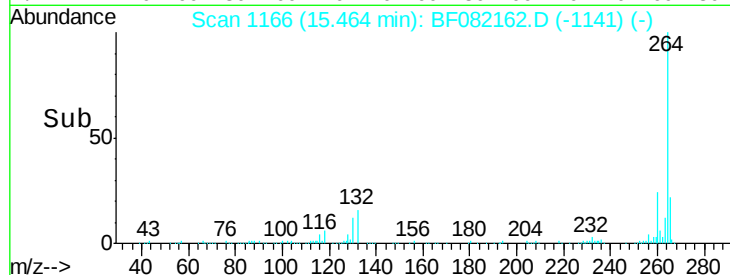
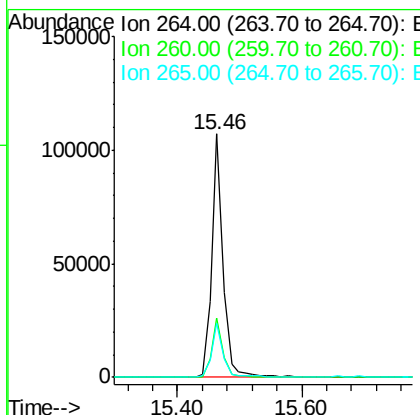
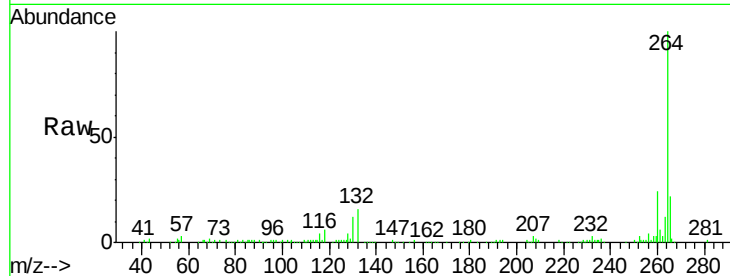
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	22.0	17.2	25.8

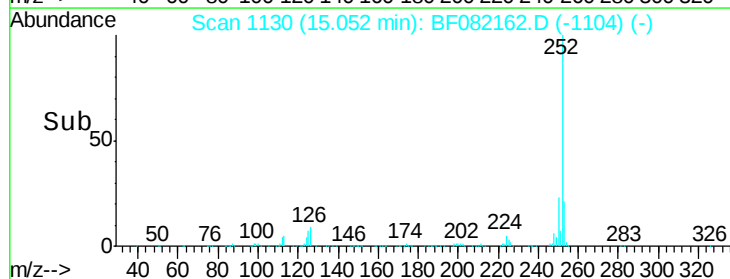
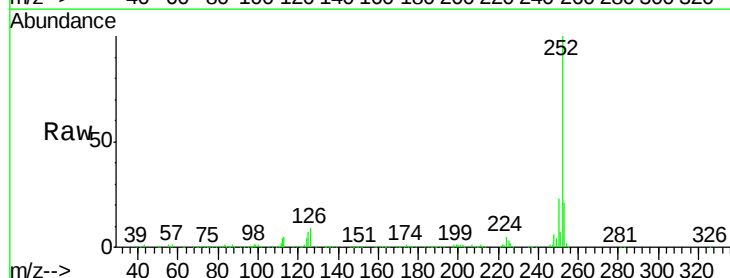
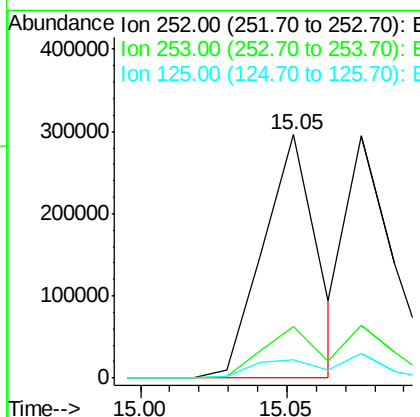
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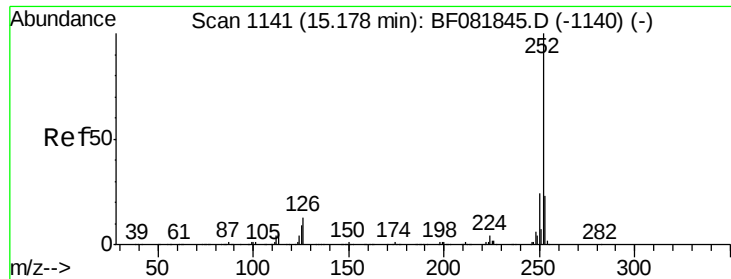
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#87
Benzo(b)fluoranthene
Concen: 49.33 ng m
RT: 15.05 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	7.3	17.1	25.7#





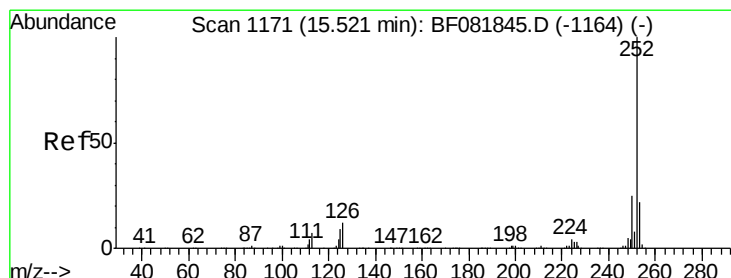
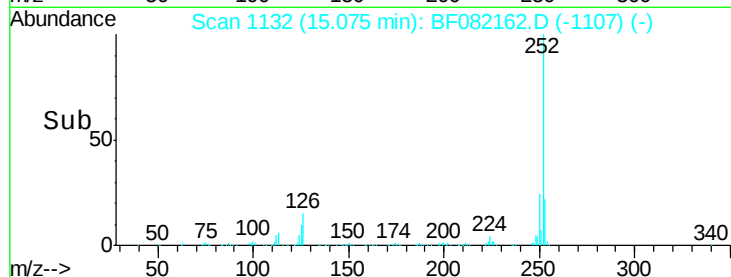
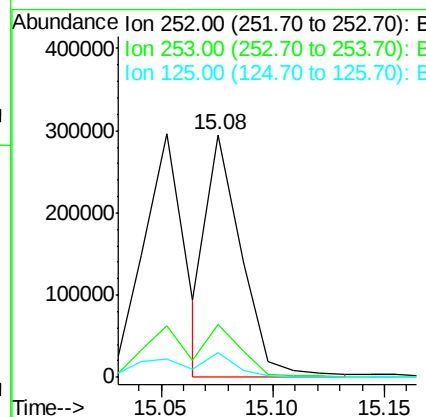
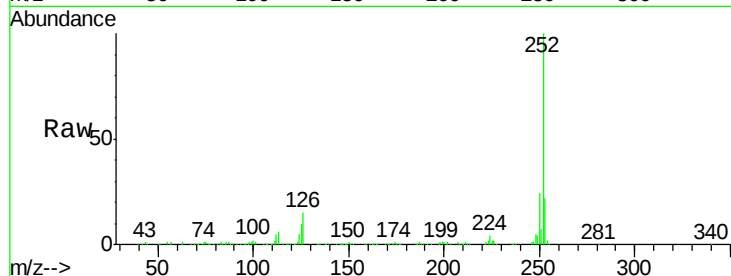
#88
Benzo(k)fluoranthene
Concen: 46.25 ng m
RT: 15.08 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	10.2	16.0	24.0

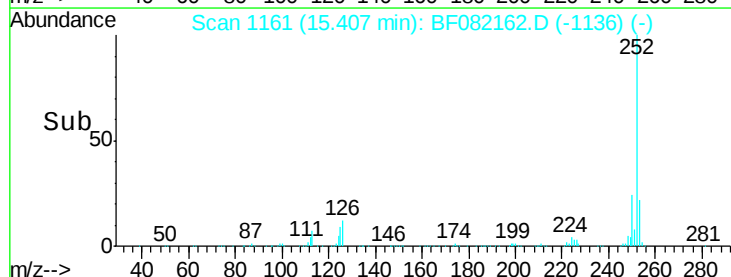
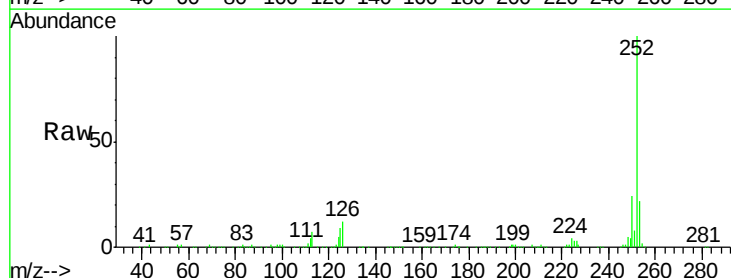
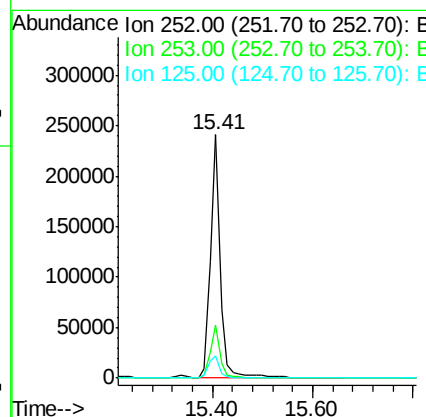
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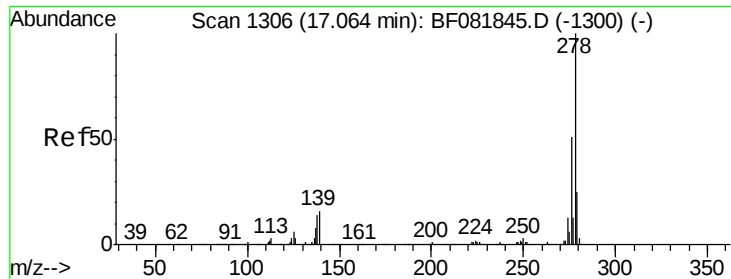
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#89
Benzo(a)pyrene
Concen: 48.57 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF082162.D
Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.0	18.0	27.0





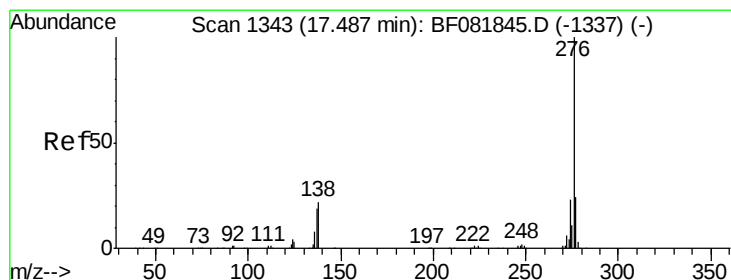
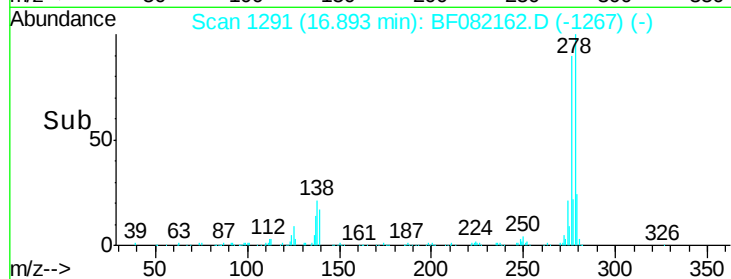
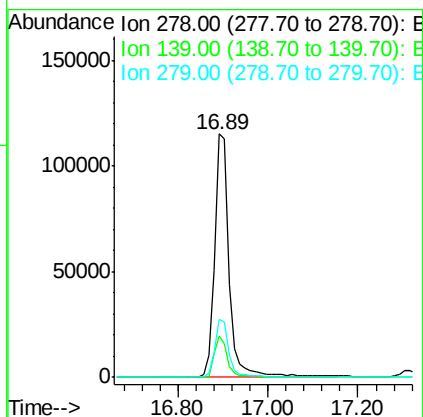
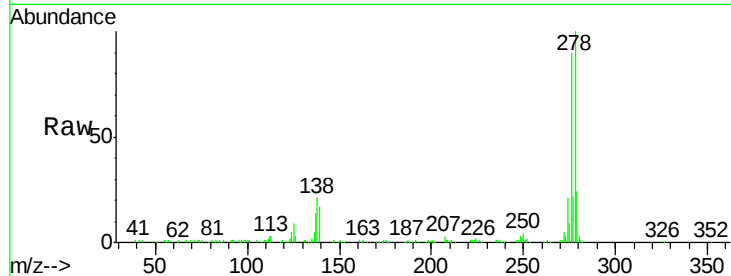
#90
 Dibenzo(a,h)anthracene
 Concen: 47.20 ng
 RT: 16.89 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(46-48)MS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	26.3	39.5#
279	23.9	18.2	27.4

Manual Integrations
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#91
 Benzo(g,h,i)perylene
 Concen: 43.37 ng
 RT: 17.32 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF082162.D
 Acq: 9 Oct 2015 23:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.8	26.6
138	19.0	34.6	51.8#

