

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083142.D
 Acq On : 22 Nov 2015 6:59
 Operator : UM/IZ
 Sample : G4505-03MS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Manual Integrations
 APPROVED

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 11/23/2015 7:01:47 PM

Quant Time: Nov 23 03:06:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	200007	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	772927	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	396456	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	720219	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	608703	20.00	ng	-0.01
86) Perylene-d12	15.15	264	524633	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1664330	125.81	ng	-0.01
7) Phenol-d6	6.33	99	2334533	136.39	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1552842	91.80	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	500553	123.41	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	2371393	83.41	ng	0.00
78) Terphenyl-d14	12.75	244	2250148	87.05	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.22	88	234078	35.72	ng	# 94
3) Pyridine	2.91	79	621208	35.89	ng	96
4) n-Nitrosodimethylamine	2.82	42	353835	44.32	ng	100
6) Aniline	6.33	93	725172	34.67	ng	# 55
8) 2-Chlorophenol	6.44	128	616149	43.11	ng	99
9) Benzaldehyde	6.19	77	438496	58.90	ng	90
10) Phenol	6.34	94	993671	47.99	ng	# 77
11) bis(2-Chloroethyl)ether	6.40	93	624999	42.27	ng	93
12) 1,3-Dichlorobenzene	6.59	146	658714m	40.36	ng	
13) 1,4-Dichlorobenzene	6.67	146	677682	41.05	ng	95
14) 1,2-Dichlorobenzene	6.82	146	585440	39.02	ng	96
15) Benzyl Alcohol	6.82	79	629914	44.04	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1069279	46.38	ng	85
17) 2-Methylphenol	6.95	107	541151	45.76	ng	97
18) Hexachloroethane	7.16	117	235682	40.53	ng	# 86
19) n-Nitroso-di-n-propylamine	7.10	70	531913	44.65	ng	# 88
20) 3+4-Methylphenols	7.10	107	701805	46.94	ng	92
22) Acetophenone	7.08	105	924923	41.68	ng	# 94
24) Nitrobenzene	7.24	77	729451	40.36	ng	99
25) Isophorone	7.50	82	1371243	42.81	ng	99
26) 2-Nitrophenol	7.56	139	341684	42.82	ng	91
27) 2,4-Dimethylphenol	7.62	122	545340	42.82	ng	98
28) bis(2-Chloroethoxy)methane	7.71	93	836584	44.93	ng	99
29) 2,4-Dichlorophenol	7.82	162	579623	47.86	ng	99
30) 1,2,4-Trichlorobenzene	7.88	180	548731	41.25	ng	97
31) Naphthalene	7.96	128	1782371	42.73	ng	98
32) Benzoic acid	7.74	122	72405	7.31	ng	96
33) 4-Chloroaniline	8.02	127	384264	23.74	ng	97
34) Hexachlorobutadiene	8.09	225	324967	41.33	ng	98
35) Caprolactam	8.42	113	195533m	50.37	ng	
36) 4-Chloro-3-methylphenol	8.52	107	617741	44.03	ng	90
37) 2-Methylnaphthalene	8.65	142	1137861	42.03	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.82	216	491398	38.24	ng	# 96
40) Hexachlorocyclopentadiene	8.81	237	532672	72.90	ng	99

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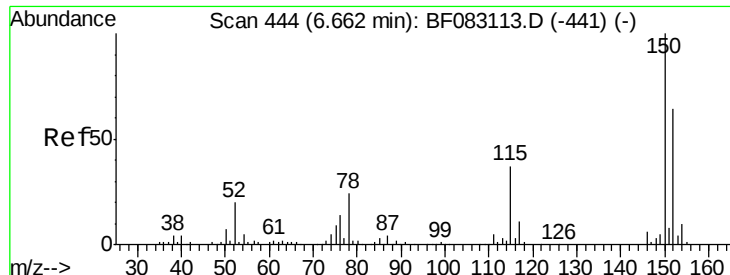
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	402094	43.69	nq	98
43) 2,4,5-Trichlorophenol	8.99	196	417497	44.37	nq	98
45) 1,1'-Biphenyl	9.12	154	1323853	39.23	nq	97
46) 2-Chloronaphthalene	9.14	162	1127064	42.52	nq	95
47) 2-Nitroaniline	9.24	65	402626	42.94	nq	97
48) Acenaphthylene	9.55	152	1671529	40.70	nq	99
49) Dimethylphthalate	9.44	163	1801320	59.02	nq	100
50) 2,6-Dinitrotoluene	9.50	165	298044	43.52	nq	# 52
51) Acenaphthene	9.72	154	1030604	41.23	nq	99
52) 3-Nitroaniline	9.66	138	208915	28.61	nq	# 64
53) 2,4-Dinitrophenol	9.76	184	183996	46.63	nq	91
54) Dibenzofuran	9.90	168	1434301	40.58	nq	95
55) 4-Nitrophenol	9.85	139	445474	79.56	nq	98
56) 2,4-Dinitrotoluene	9.90	165	402715	46.41	nq	# 80
57) Fluorene	10.24	166	1203205	41.19	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.02	232	332639	43.09	nq	98
59) Diethylphthalate	10.14	149	1351858	44.50	nq	100
60) 4-Chlorophenyl-phenylether	10.24	204	553076	41.34	nq	# 80
61) 4-Nitroaniline	10.28	138	324491	45.14	nq	93
62) Azobenzene	10.39	77	1545790	44.58	nq	97
64) 4,6-Dinitro-2-methylphenol	10.30	198	206735m	41.66	nq	
65) n-Nitrosodiphenylamine	10.35	169	1058290	43.20	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	344384	43.09	nq	# 86
67) Hexachlorobenzene	10.79	284	392789	44.63	nq	# 82
68) Atrazine	10.89	200	328508	46.18	nq	99
69) Pentachlorophenol	10.98	266	440858	76.90	nq	98
70) Phenanthrene	11.19	178	1675269	40.37	nq	99
71) Anthracene	11.24	178	1877992	44.36	nq	99
72) Carbazole	11.40	167	1676331	44.55	nq	99
73) Di-n-butylphthalate	11.75	149	2078360	45.25	nq	99
74) Fluoranthene	12.38	202	1842422	43.38	nq	94
76) Benzidine	12.50	184	795650	49.87	nq	99
77) Pyrene	12.59	202	1723486	41.44	nq	100
79) Butylbenzylphthalate	13.23	149	898433	45.65	nq	97
80) Benzo(a)anthracene	13.78	228	1678399	44.58	nq	99
81) 3,3'-Dichlorobenzidine	13.76	252	427698	32.64	nq	98
82) Chrysene	13.82	228	1306552	37.42	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	1139078	44.31	nq	97
84) Di-n-octyl phthalate	14.40	149	1982036	44.79	nq	99
85) Indeno(1,2,3-cd)pyrene	16.42	276	1326379	41.77	nq	97
87) Benzo(b)fluoranthene	14.79	252	1553811m	43.35	nq	
88) Benzo(k)fluoranthene	14.81	252	1055996m	39.54	nq	
89) Benzo(a)pyrene	15.10	252	1239609	41.89	nq	# 95
90) Dibenzo(a,h)anthracene	16.43	278	1127039	41.92	nq	98
91) Benzo(g,h,i)perylene	16.80	276	1099194	41.88	nq	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

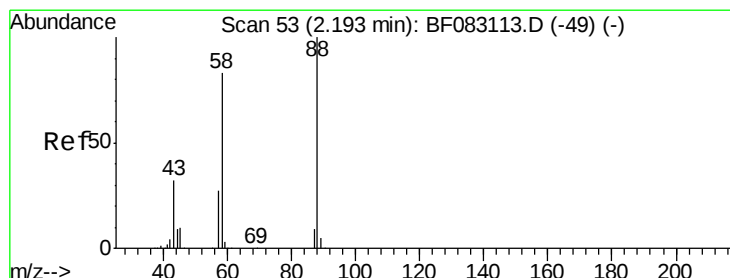
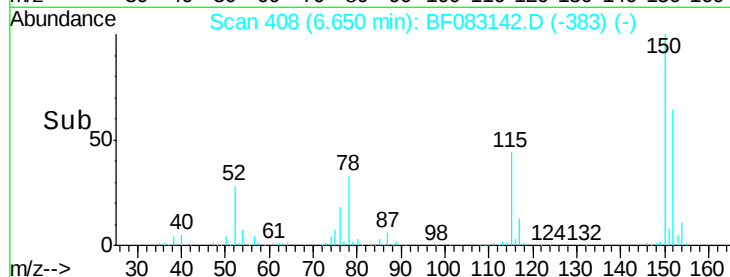
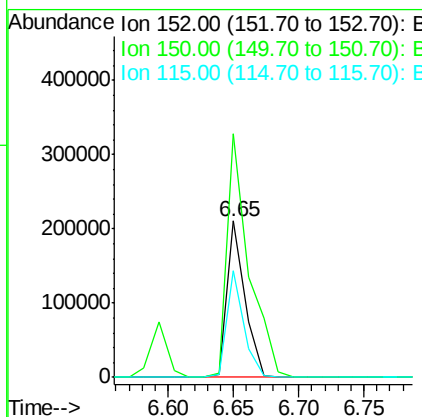
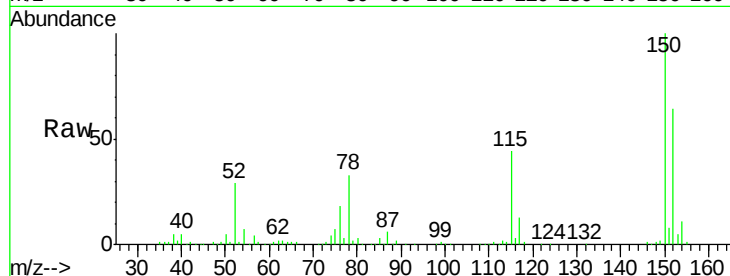
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	152	Resp:	200007
Ion Ratio	Lower	Upper	
152	100		
150	156.0	125.8	188.8
115	68.1	46.9	70.3

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#2

1,4-Dioxane

Concen: 35.72 ng

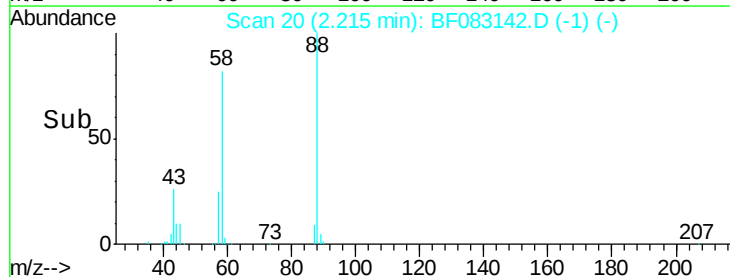
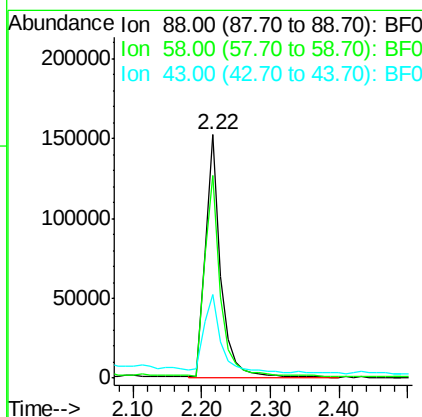
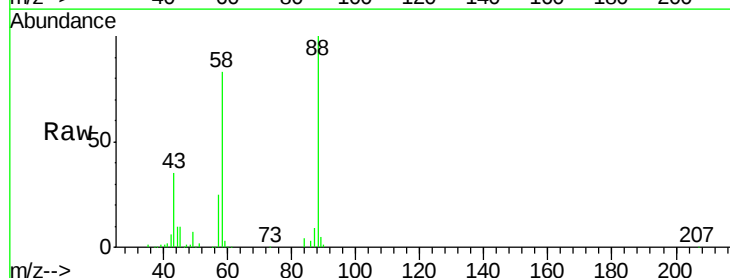
RT: 2.22 min Scan# 20

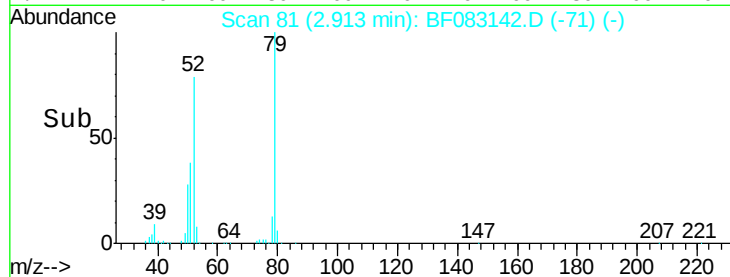
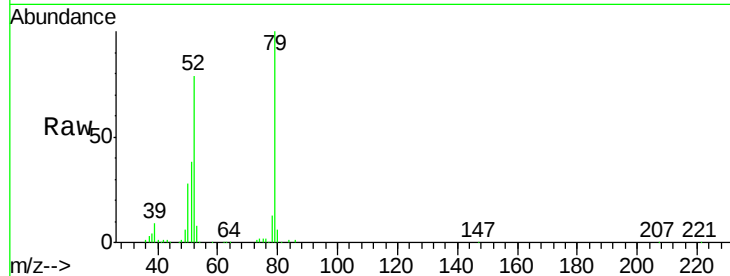
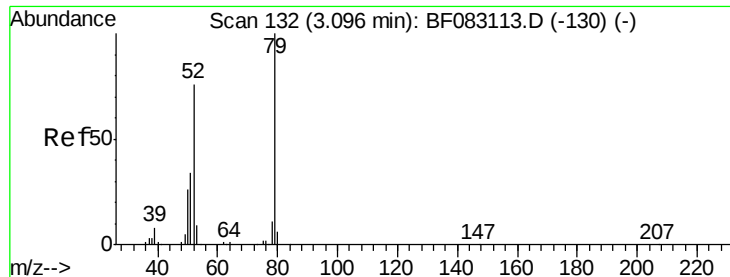
Delta R.T. 0.02 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	88	Resp:	234078
Ion Ratio	Lower	Upper	
88	100		
58	83.2	65.0	97.6
43	39.1	24.7	37.1





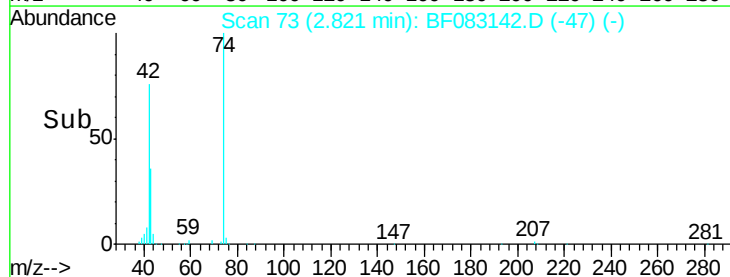
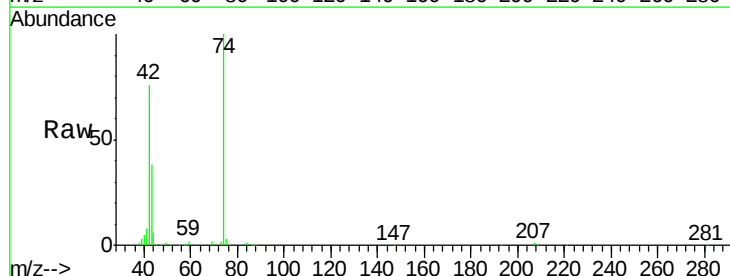
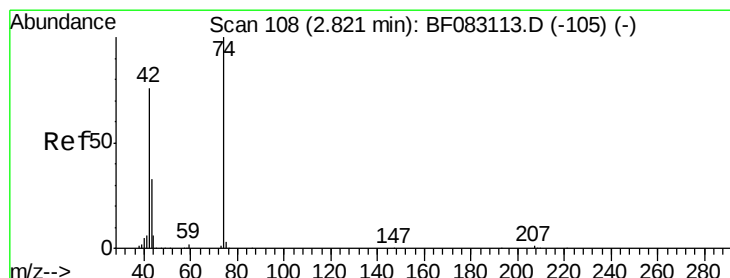
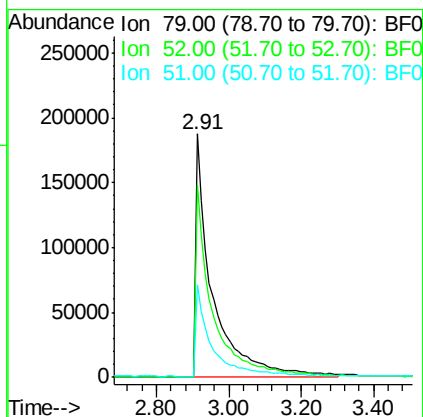
#3
 Pvridine
 Concen: 35.89 ng
 RT: 2.91 min Scan# 81
 Delta R.T. -0.18 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tot Ion	Ratio	Lower	Upper
79	100		
52	79.2	60.7	91.1
51	38.2	27.9	41.9

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

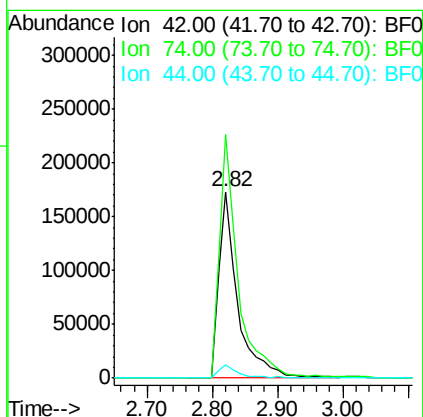
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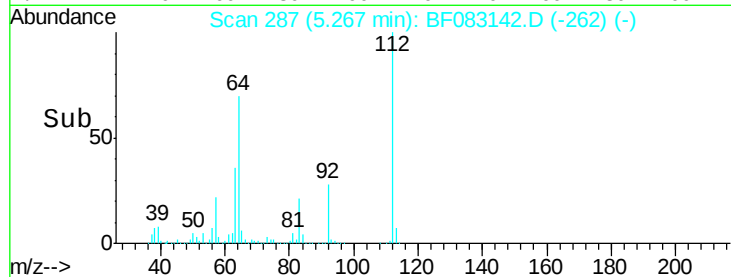
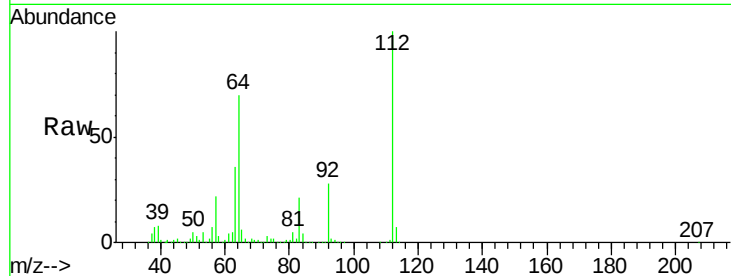
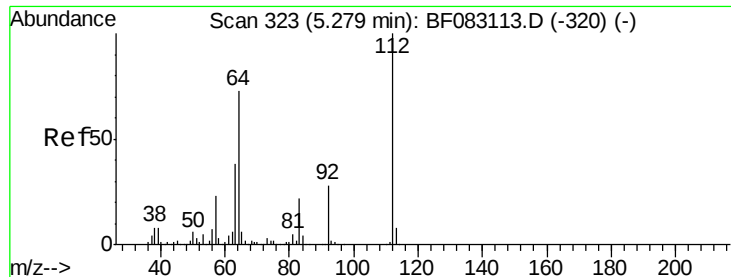
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#4
 n-Nitrosodimethylamine
 Concen: 44.32 ng
 RT: 2.82 min Scan# 73
 Delta R.T. -0.00 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
42	100		
74	130.8	104.8	157.2
44	7.2	6.2	9.4





#5

2-Fluorophenol

Concen: 125.81 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tot Ion:	112	Resp:	1664330
Ion	Ratio	Lower	Upper
112	100		
64	70.2	58.4	87.6
63	35.8	30.0	45.0

Instrument :

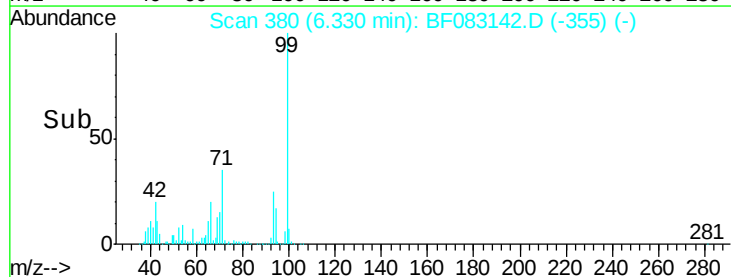
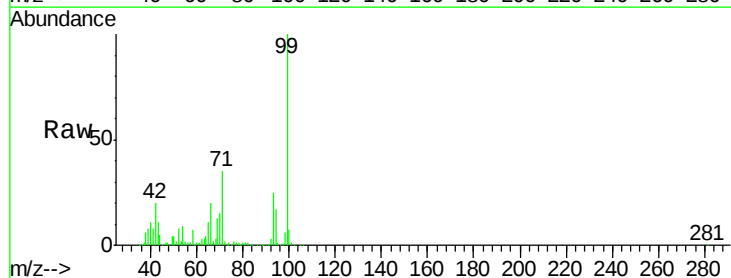
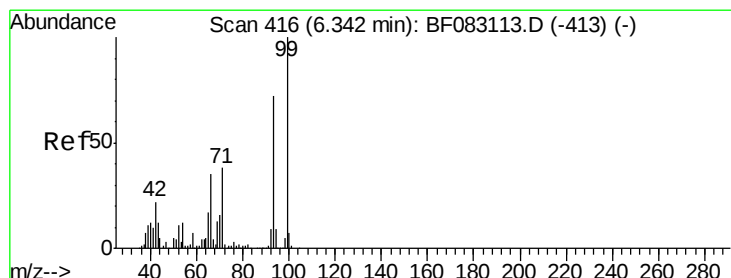
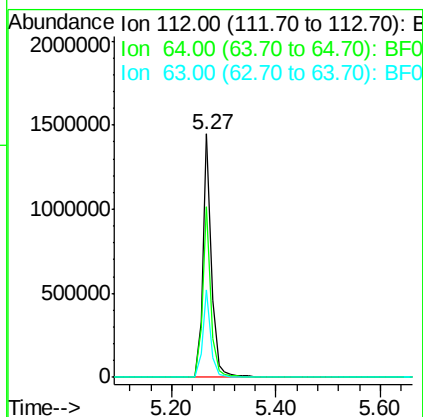
BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Manual Integrations
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#6

Aniline

Concen: 34.67 ng

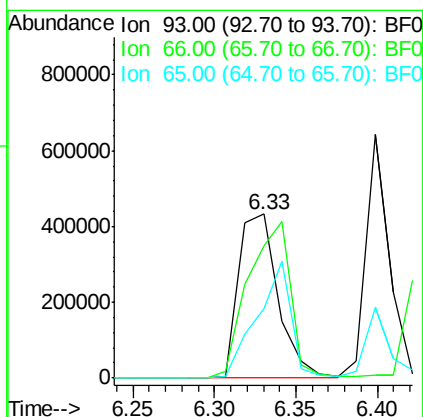
RT: 6.33 min Scan# 380

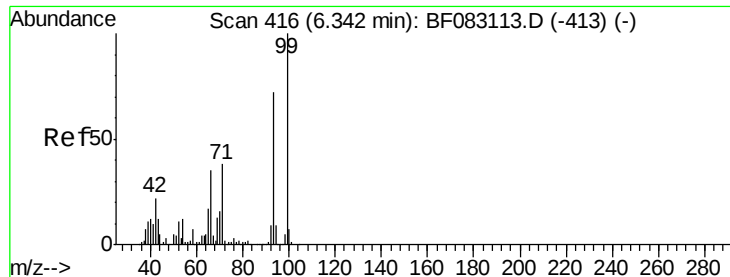
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	93	Resp:	725172
Ion	Ratio	Lower	Upper
93	100		
66	80.7	38.7	58.1#
65	42.4	18.6	27.8#





#7

Phenol-d6

Concen: 136.39 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion: 99 Resp: 233453

Ion Ratio Lower Upper

99 100

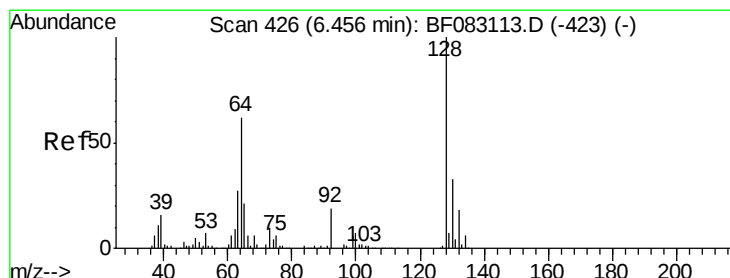
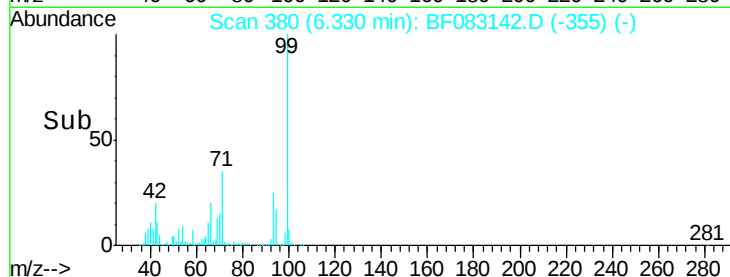
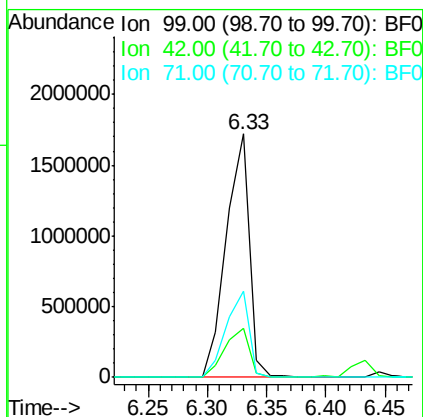
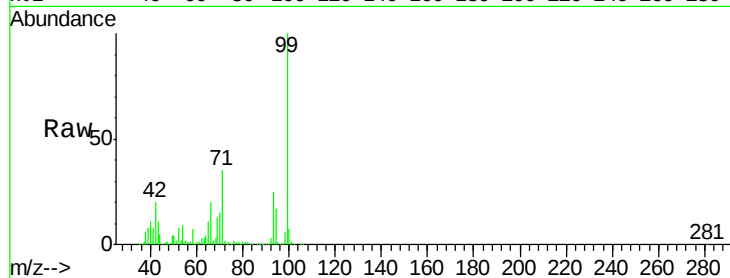
42 20.0 17.7 26.5

71 35.4 30.2 45.4

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#8

2-Chlorophenol

Concen: 43.11 ng

RT: 6.44 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

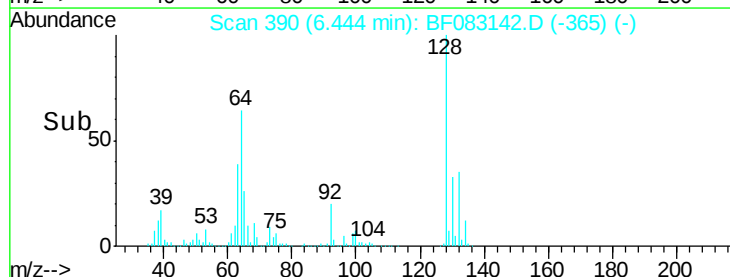
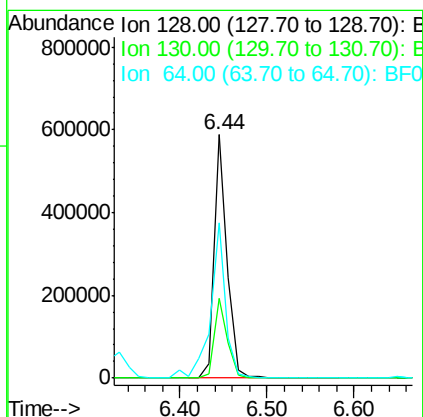
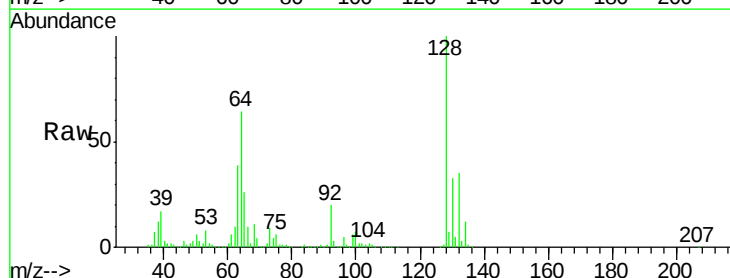
Tgt Ion: 128 Resp: 616149

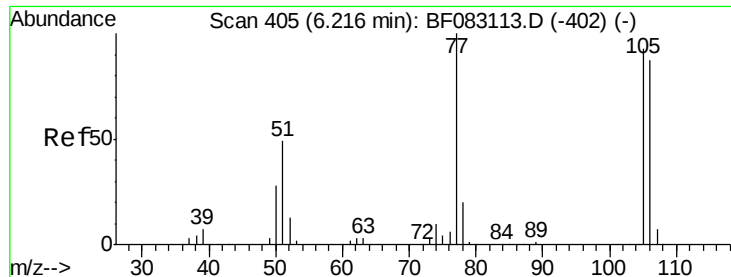
Ion Ratio Lower Upper

128 100

130 32.7 12.6 52.6

64 63.6 41.9 81.9





#9

Benzaldehyde

Concen: 58.90 ng

RT: 6.19 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

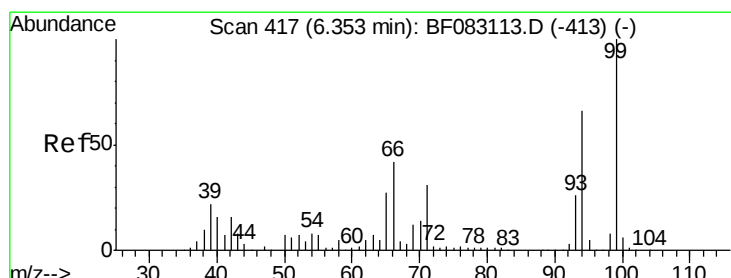
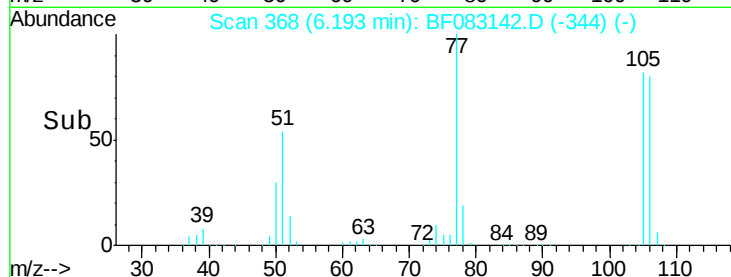
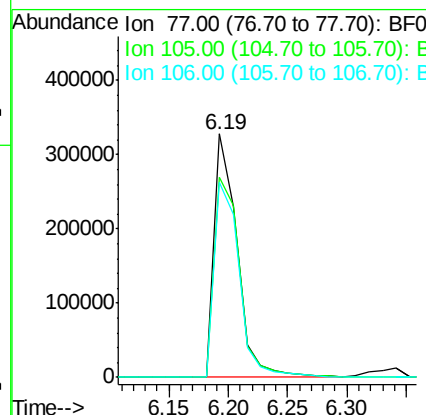
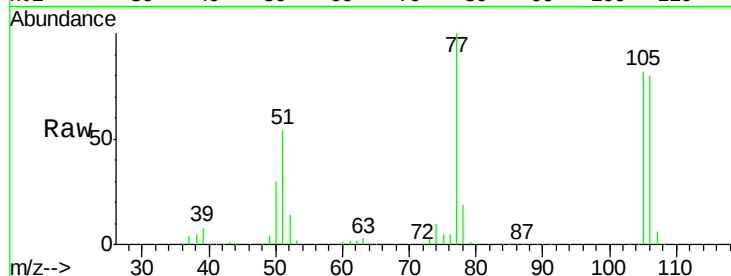
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	77	Resp:	438496
Ion Ratio	Lower	Upper	
77	100		
105	82.4	73.4	113.4
106	80.1	67.5	107.5

Manual Integrations
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#10

Phenol

Concen: 47.99 ng

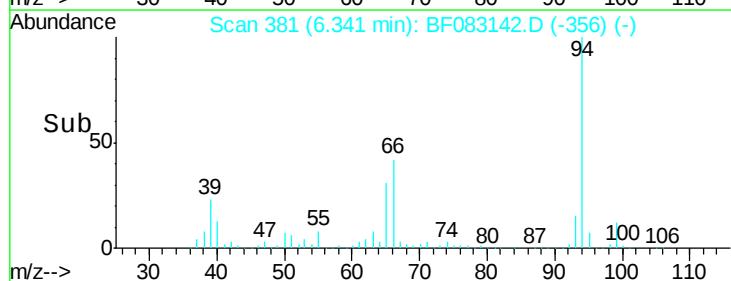
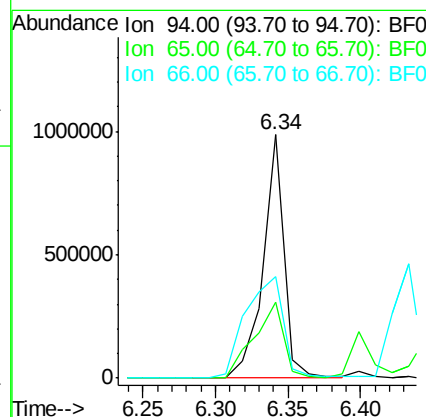
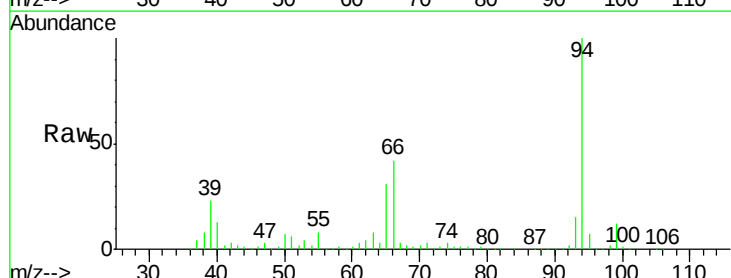
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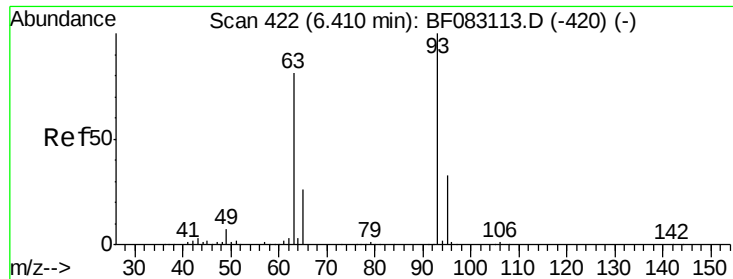
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	94	Resp:	993671
Ion Ratio	Lower	Upper	
94	100		
65	31.2	21.1	61.1
66	41.8	43.1	83.1#





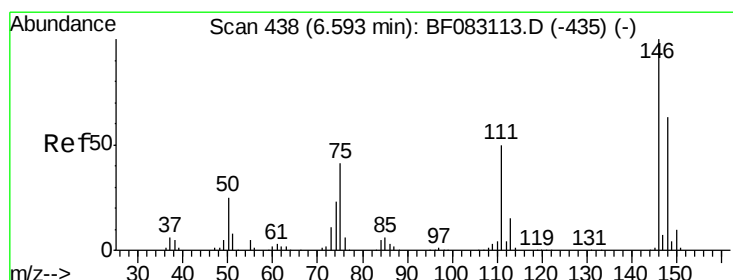
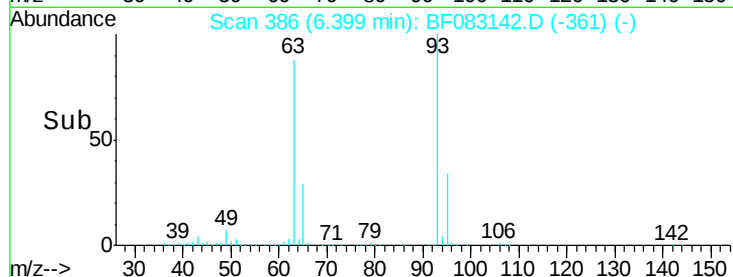
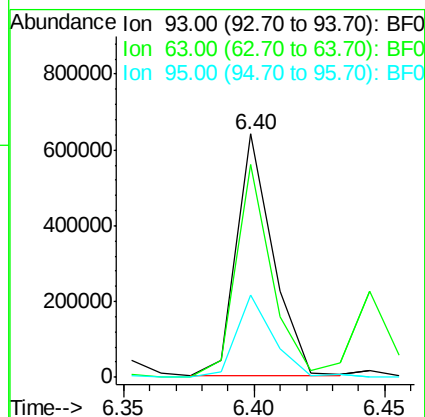
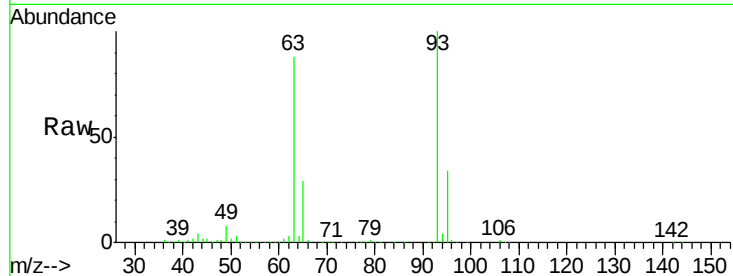
#11
bis(2-Chloroethyl)ether
Concen: 42.27 ng
RT: 6.40 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	87.5	59.8	99.8
95	33.9	13.0	53.0

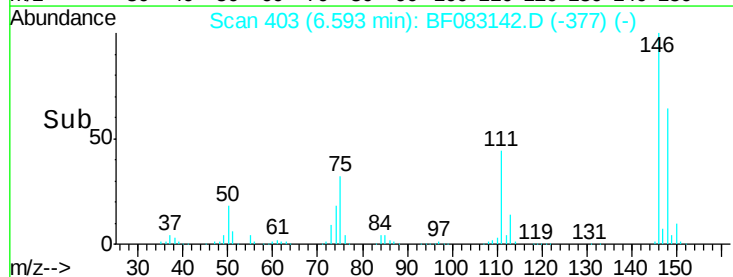
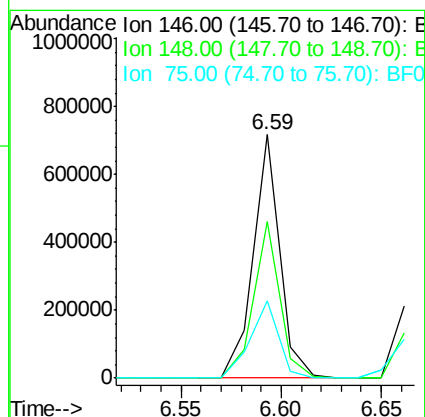
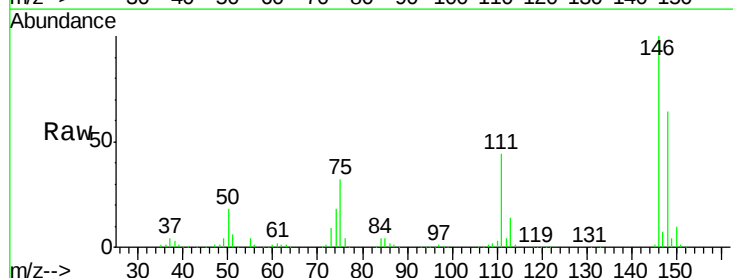
Manual Integrations
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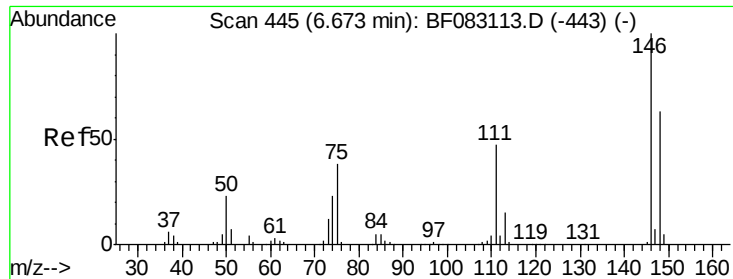
Mmdadoda
11/23/2015 7:01:47 PM



#12
1,3-Dichlorobenzene
Concen: 40.36 ng m
RT: 6.59 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.2	75.2
75	31.8	32.7	49.1#





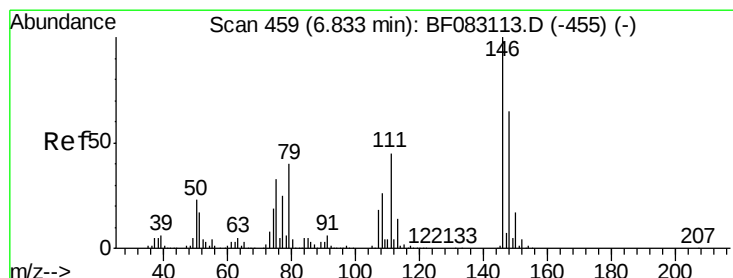
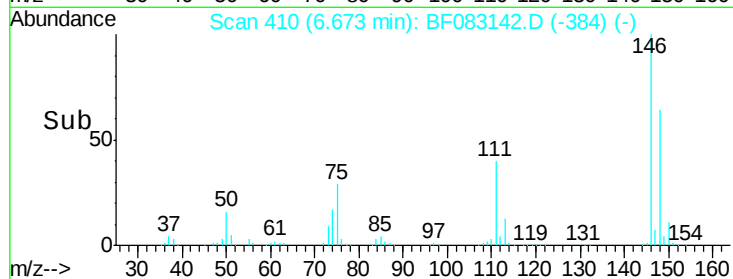
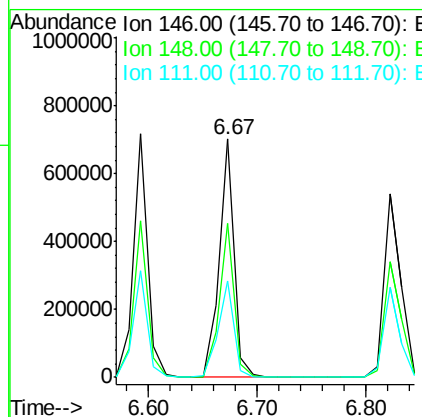
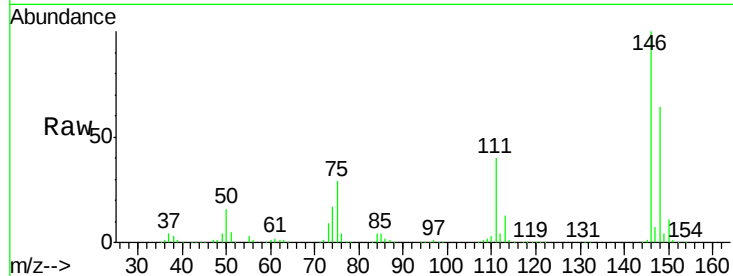
#13
1,4-Dichlorobenzene
Concen: 41.05 ng
RT: 6.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.2	75.2
111	40.4	37.5	56.3

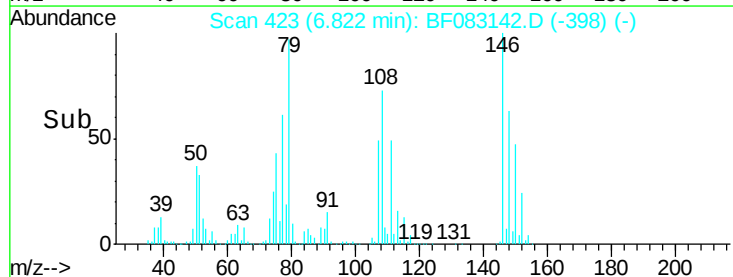
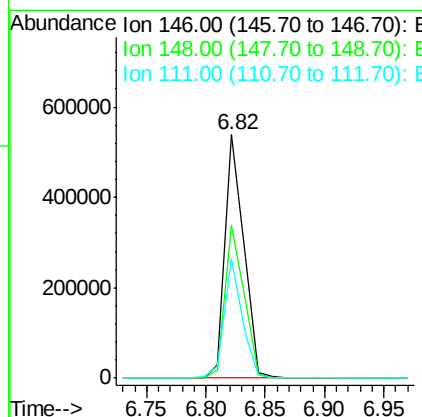
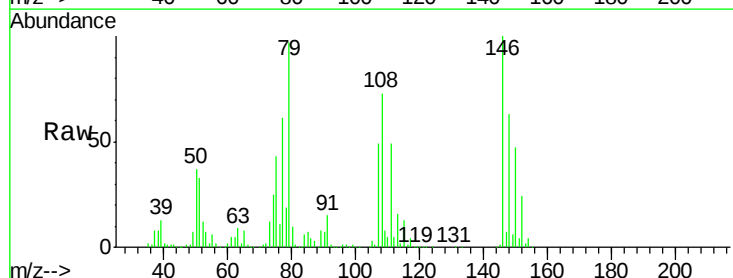
Manual Integrations
APPROVED

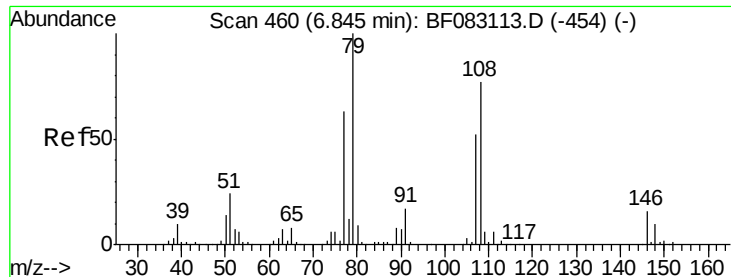
Mmdadoda
11/23/2015 7:01:47 PM



#14
1,2-Dichlorobenzene
Concen: 39.02 ng
RT: 6.82 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.8	77.6
111	48.9	36.2	54.4





#15

Benzyl Alcohol

Concen: 44.04 ng

RT: 6.82 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

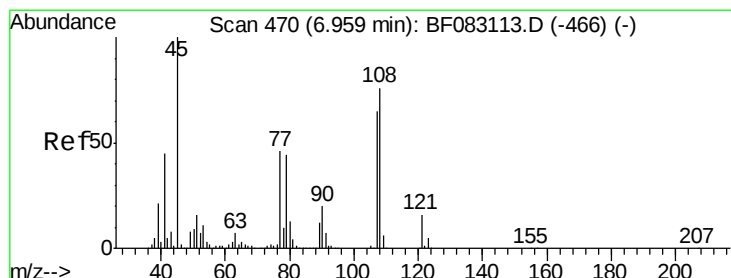
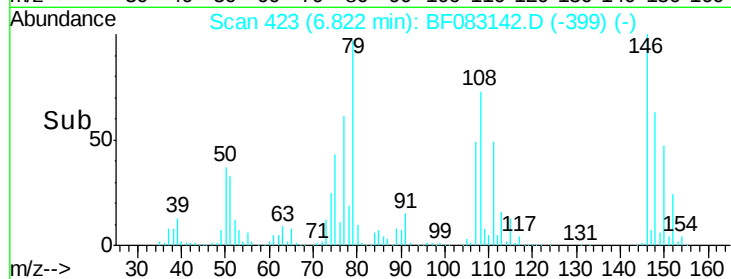
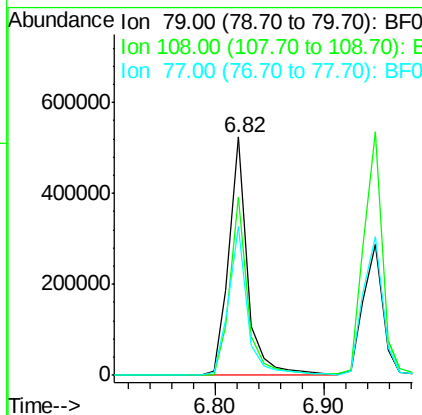
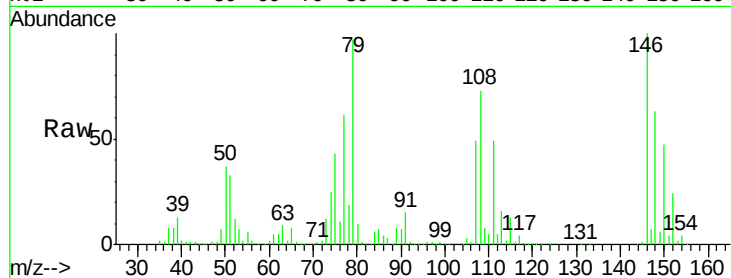
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	79	Resp:	629914
Ion Ratio	Lower	Upper	
79	100		
108	75.2	61.4	92.2
77	62.6	50.5	75.7

Manual Integrations
APPROVED

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.38 ng

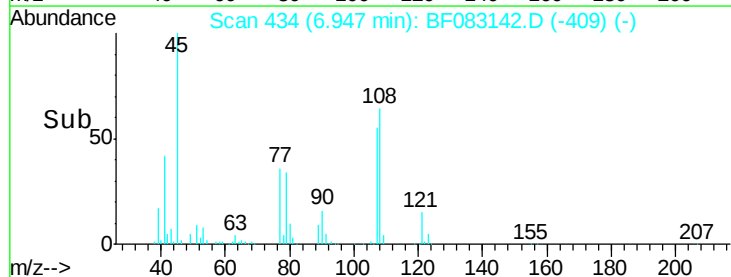
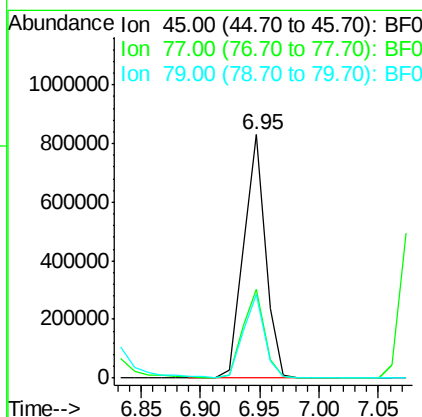
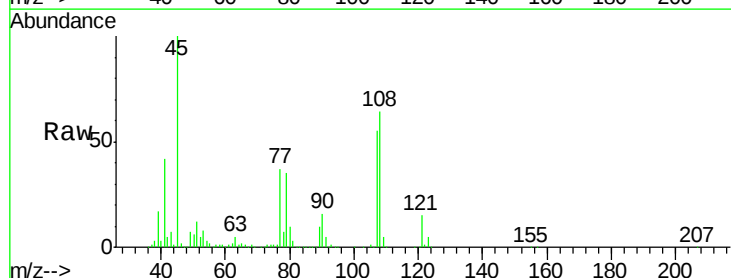
RT: 6.95 min Scan# 434

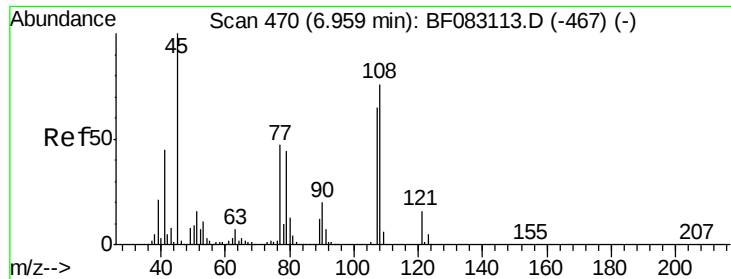
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	45	Resp:	1069279
Ion Ratio	Lower	Upper	
45	100		
77	36.6	26.7	66.7
79	34.6	24.3	64.3





#17

2-Methylphenol

Concen: 45.76 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

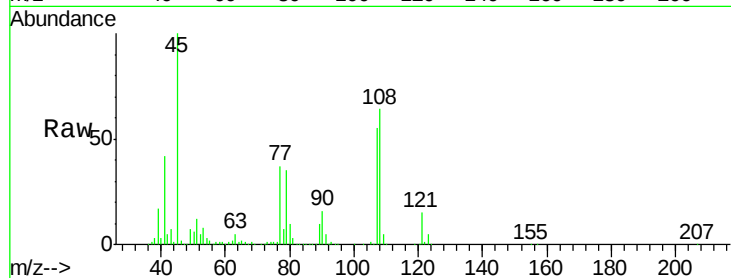
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	107	Resp:	541151
Ion Ratio	Lower	Upper	
107	100		
108	118.2	93.8	140.6
77	67.1	57.4	86.0
79	63.4	54.4	81.6

Manual Integrations
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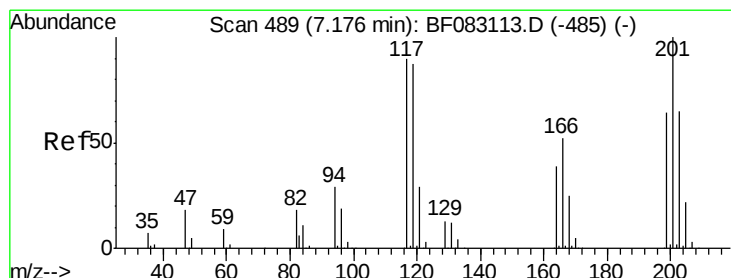
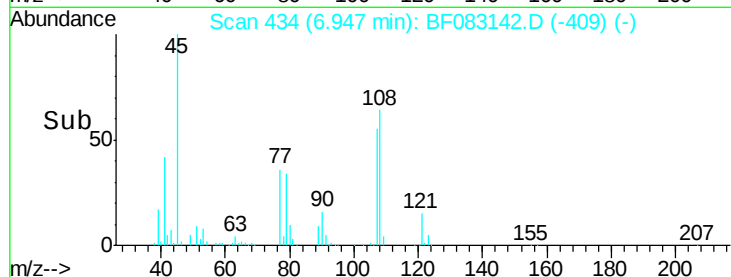
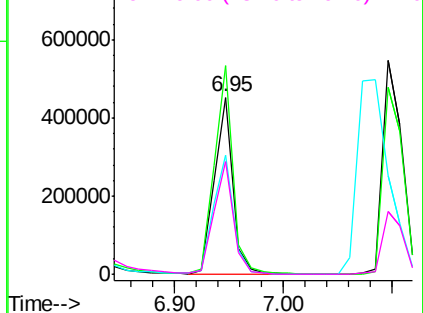
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.53 ng

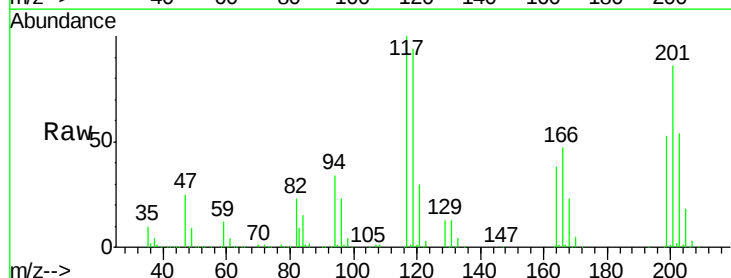
RT: 7.16 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	117	Resp:	235682
Ion Ratio	Lower	Upper	
117	100		
119	93.7	76.8	115.2
201	86.0	88.6	133.0#

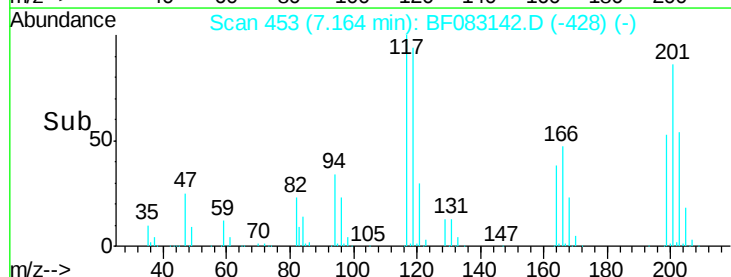
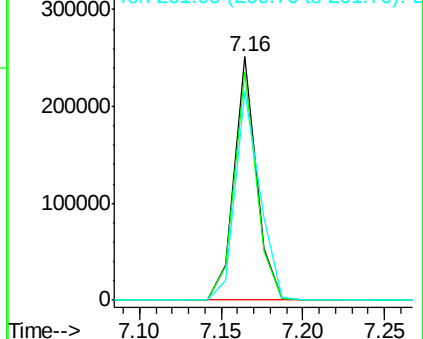


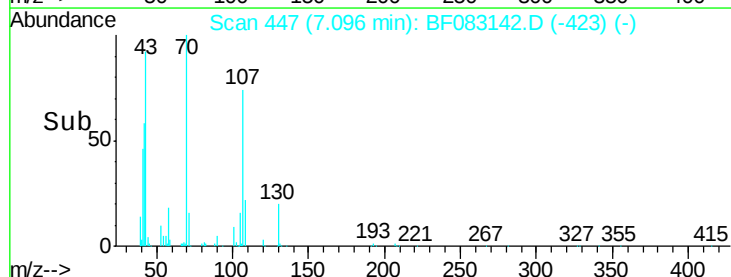
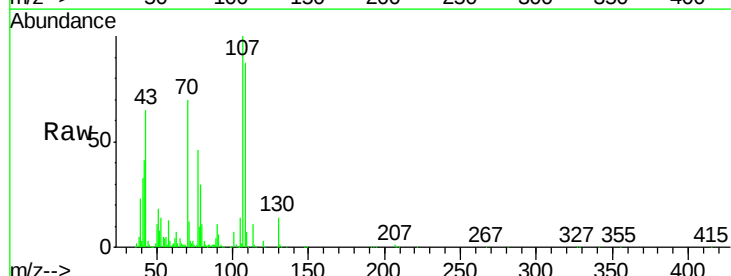
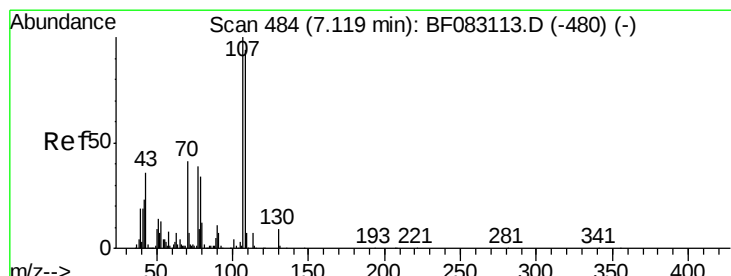
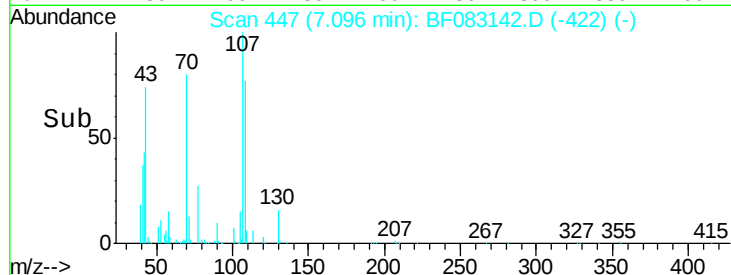
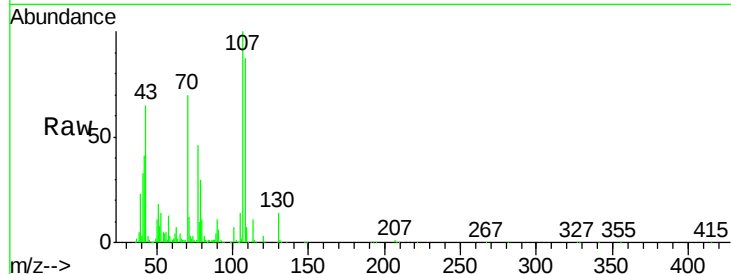
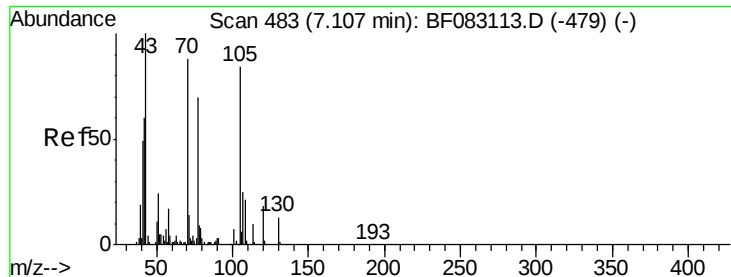
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





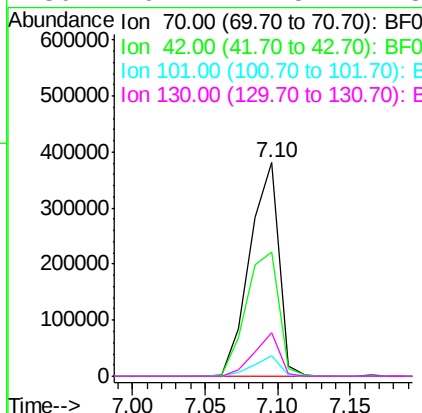
#19
n-Nitroso-di-n-propylamine
Concen: 44.65 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.4	54.5	81.7
101	9.5	6.6	9.8
130	20.1	11.5	17.3

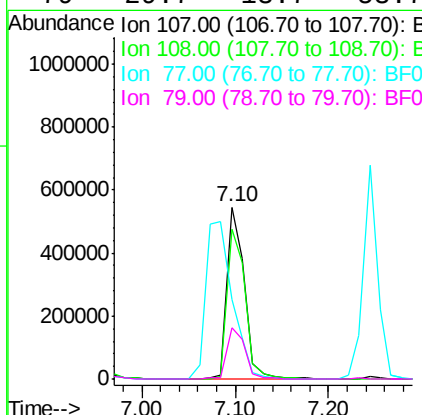
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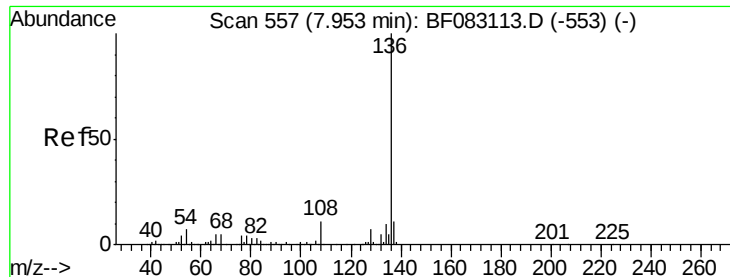
Mmdadoda
11/23/2015 7:01:47 PM



#20
3+4-Methylphenols
Concen: 46.94 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	73.8	113.8
77	46.1	19.1	59.1
79	29.7	13.7	53.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

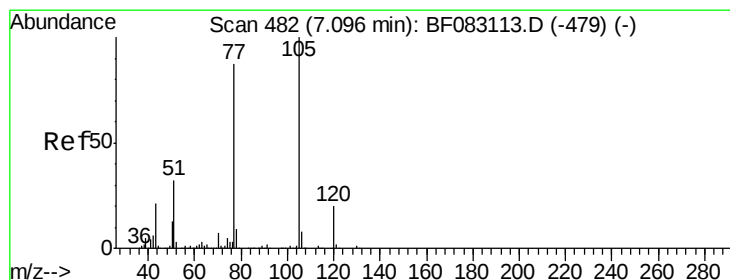
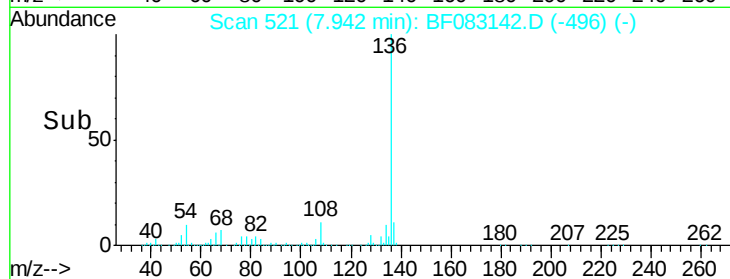
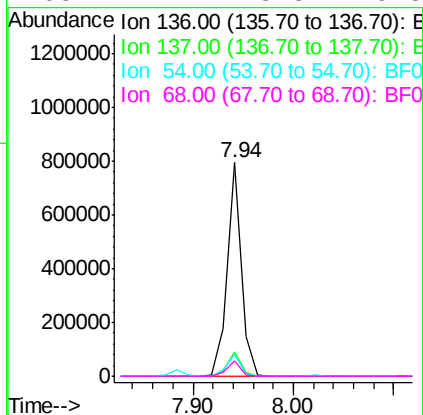
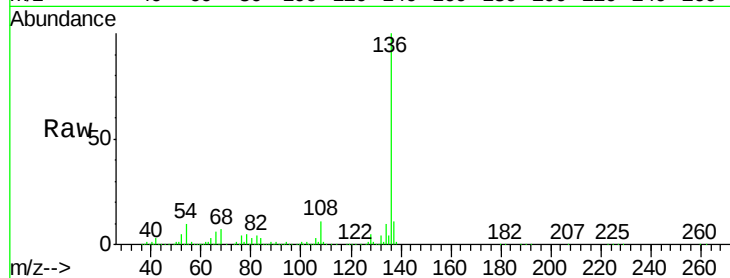
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		772927		
137	11.3	8.7	13.1		
54	10.1	5.8	8.6#		
68	7.2	3.8	5.8#		

Manual Integrations
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#22

Acetophenone

Concen: 41.68 ng

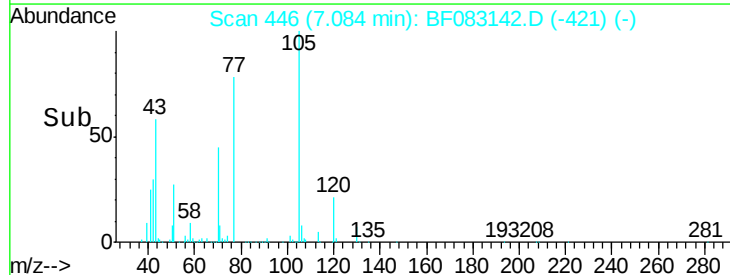
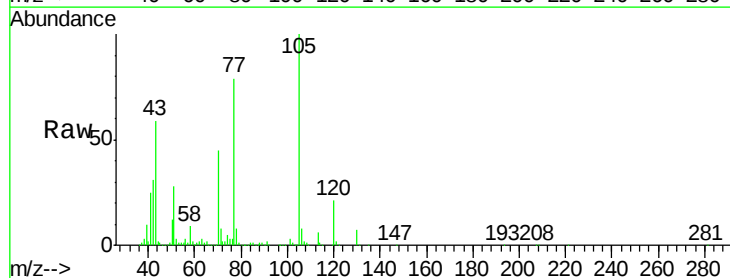
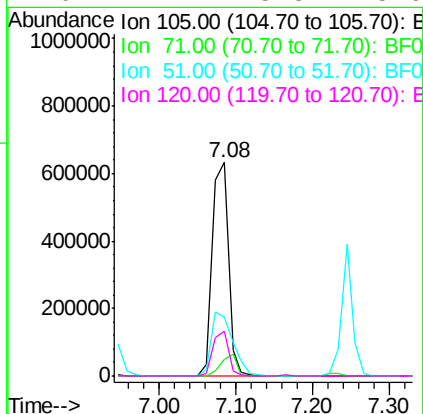
RT: 7.08 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		924923		
71	7.7	1.0	1.4#		
51	27.7	25.6	38.4		
120	21.1	15.8	23.6		





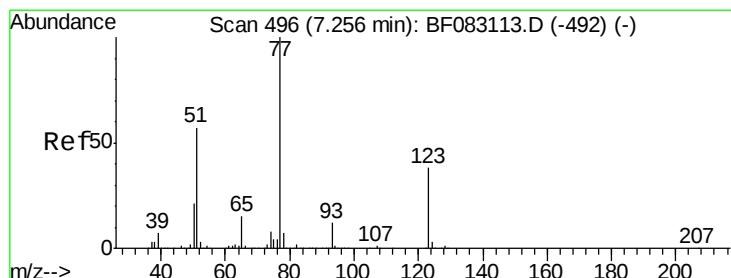
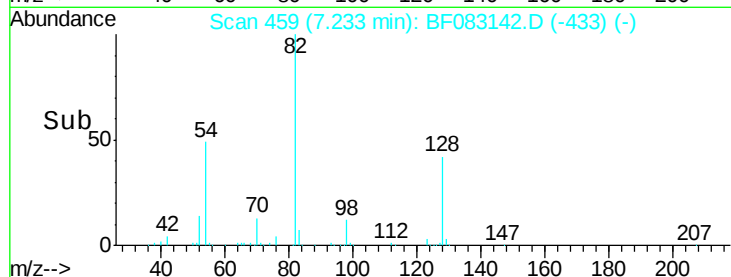
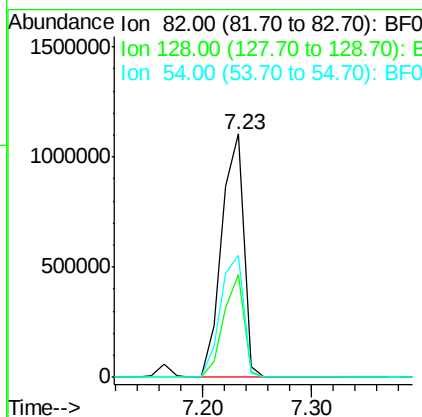
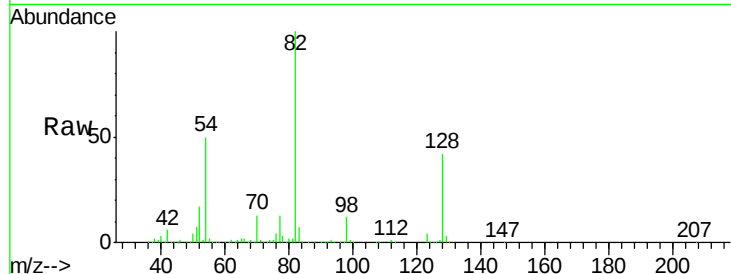
#23
 Nitrobenzene-d5
 Concen: 91.80 ng
 RT: 7.23 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	28.5	42.7
54	50.0	44.6	67.0

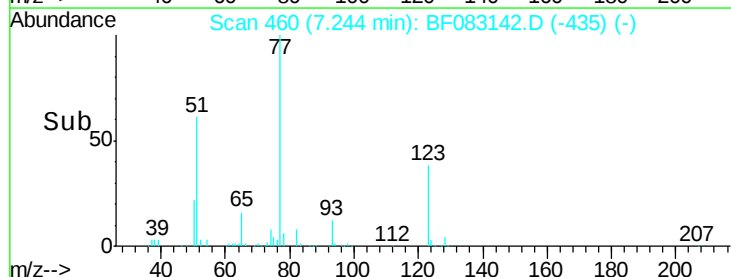
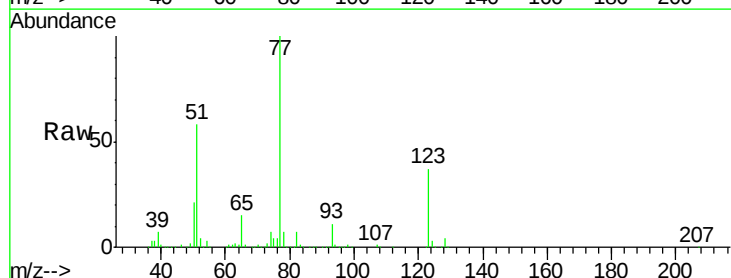
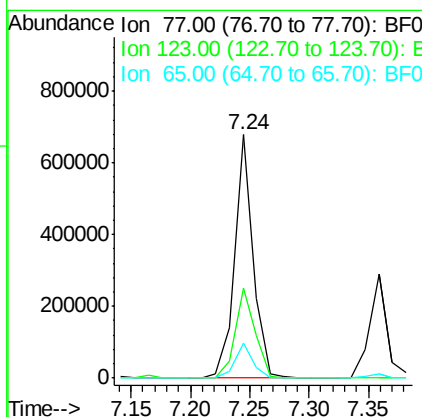
Manual Integrations
 APPROVED

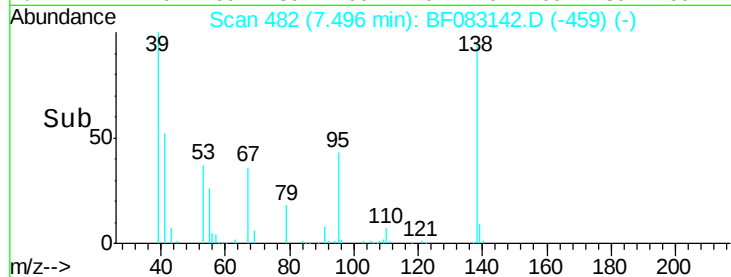
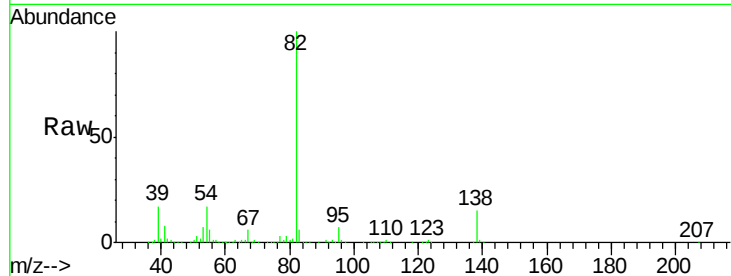
Mmdadoda
 11/23/2015 7:01:47 PM



#24
 Nitrobenzene
 Concen: 40.36 ng
 RT: 7.24 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.8	30.1	45.1
65	14.5	11.6	17.4





#25

Isophorone

Concen: 42.81 ng

RT: 7.50 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tot Ion: 82 Resp: 1371243

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.8

138 14.8 11.6 17.4

Instrument :

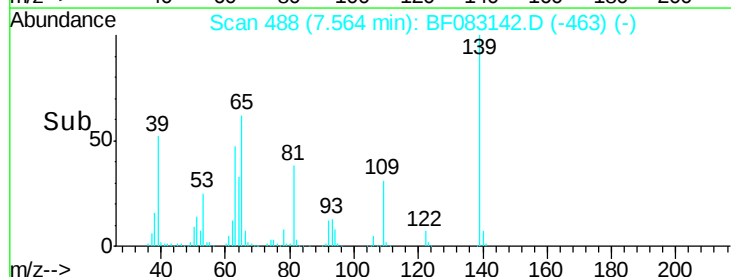
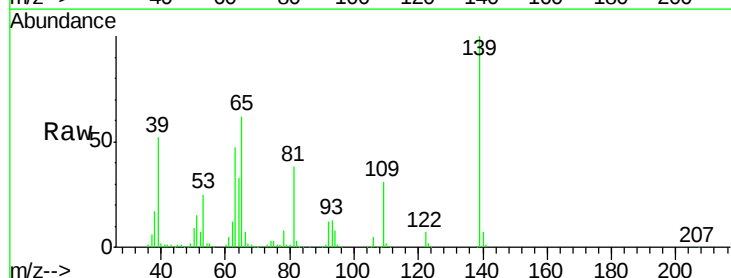
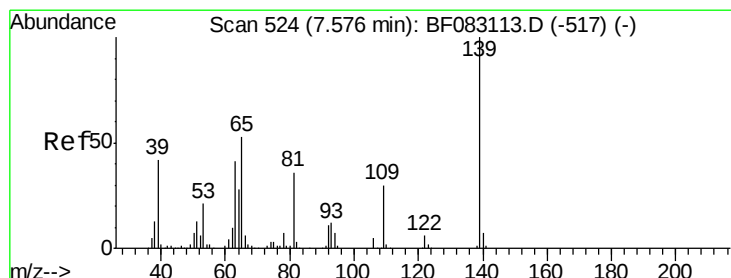
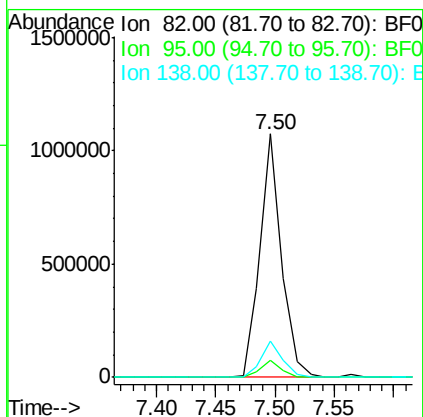
BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Manual Integrations
APPROVED

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#26

2-Nitrophenol

Concen: 42.82 ng

RT: 7.56 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

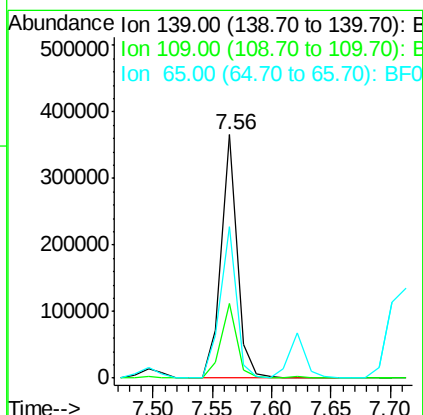
Tgt Ion: 139 Resp: 341684

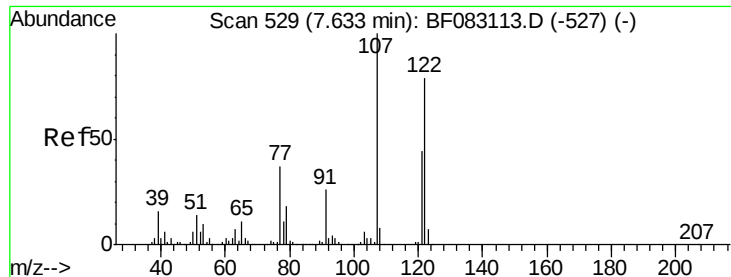
Ion Ratio Lower Upper

139 100

109 30.7 23.9 35.9

65 62.4 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 42.82 ng

RT: 7.62 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

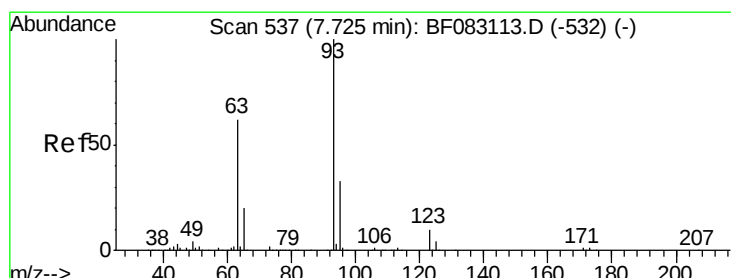
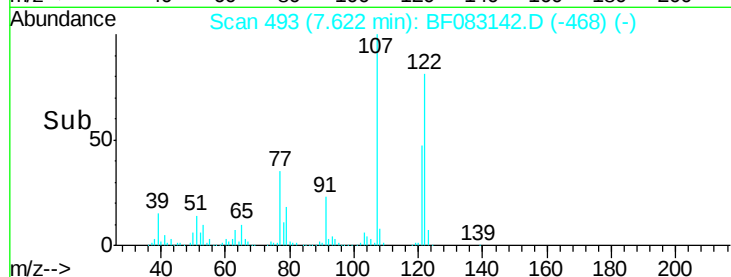
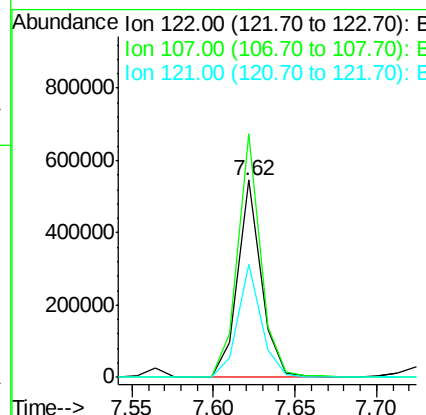
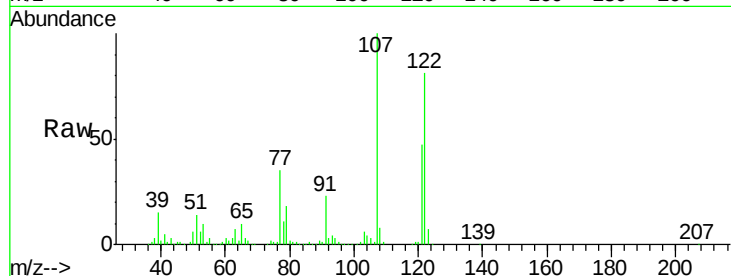
SB-23(7.5-9.5)MS

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Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	123.4	101.1	151.7	
121	57.5	44.9	67.3	



#28

bis(2-Chloroethoxy)methane

Concen: 44.93 ng

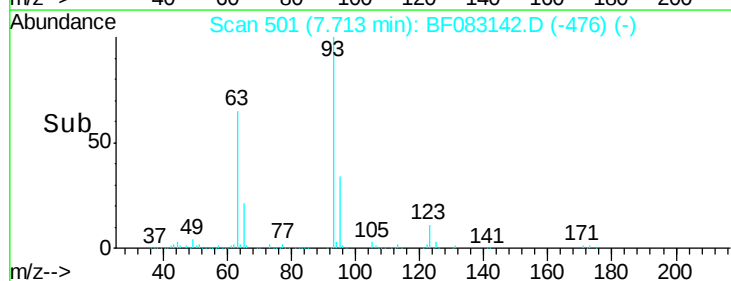
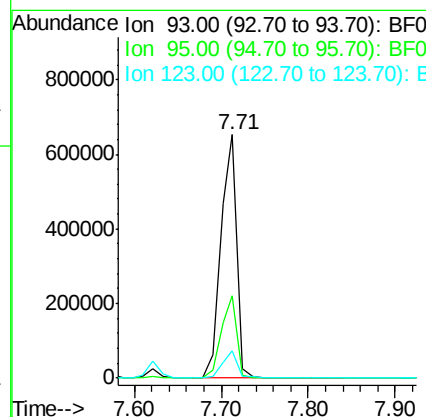
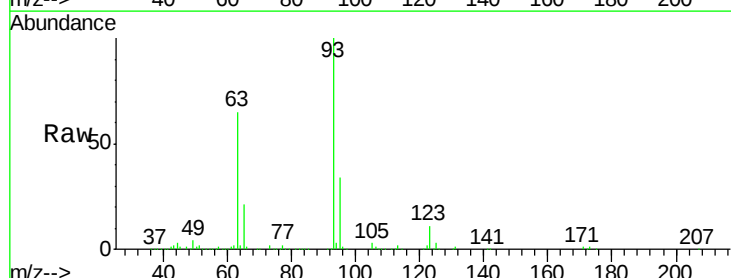
RT: 7.71 min Scan# 501

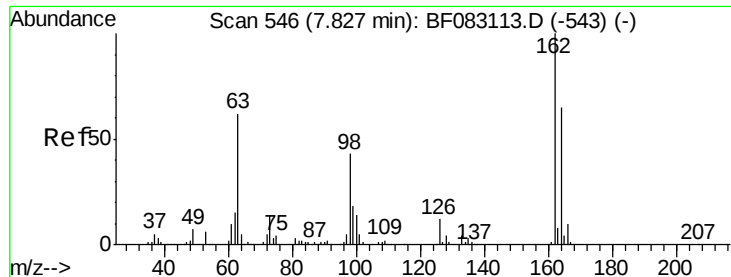
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.7	26.5	39.7	
123	11.1	8.1	12.1	





#29

2,4-Dichlorophenol

Concen: 47.86 ng

RT: 7.82 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

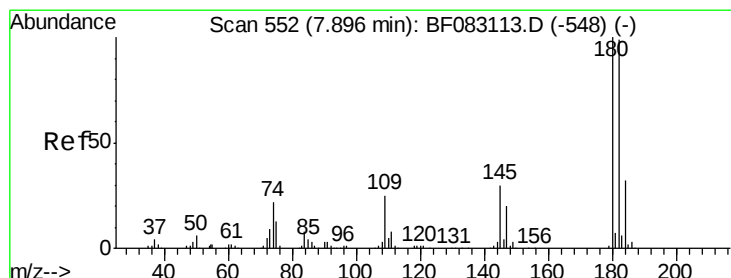
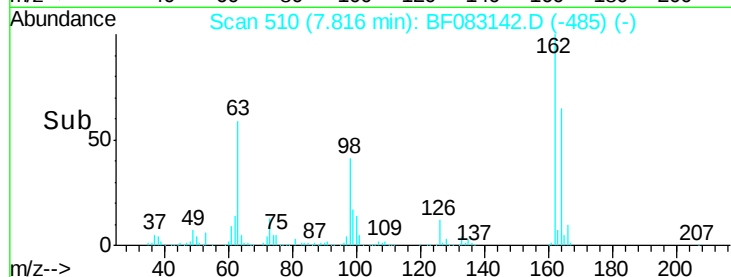
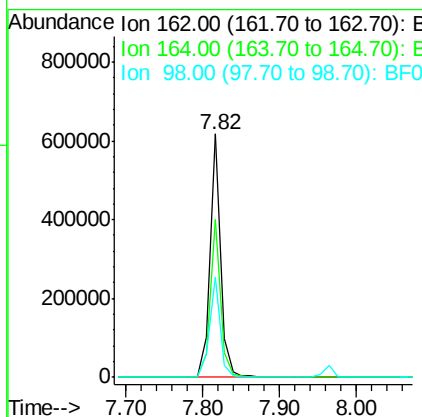
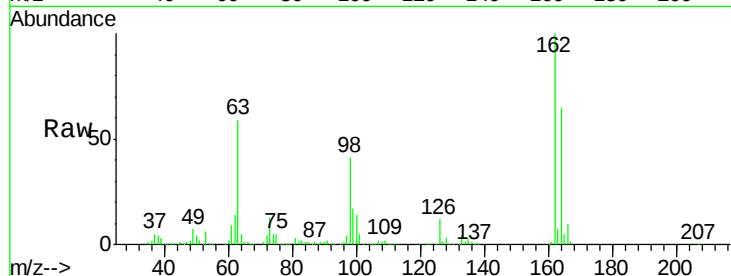
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	162	Resp:	579623
Ion Ratio	Lower	Upper	
162	100		
164	64.8	44.8	84.8
98	41.1	23.1	63.1

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#30

1,2,4-Trichlorobenzene

Concen: 41.25 ng

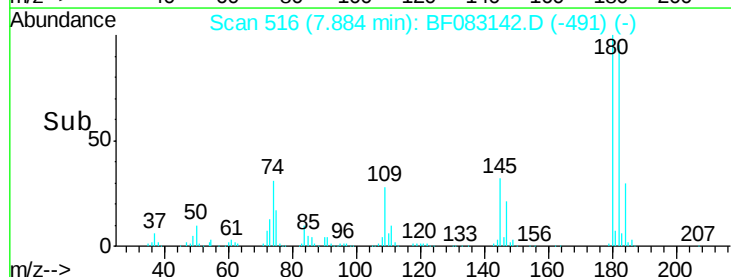
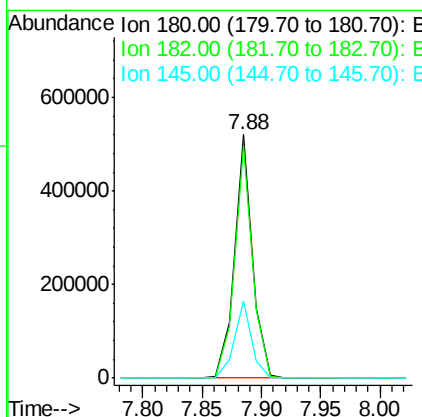
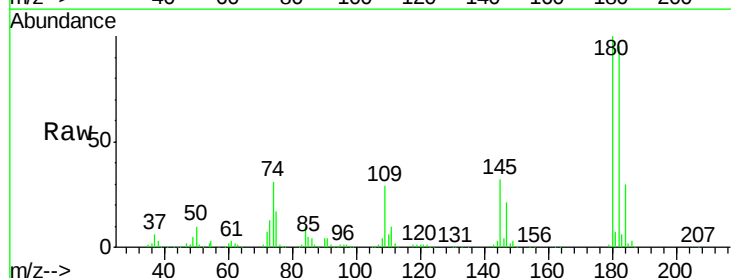
RT: 7.88 min Scan# 516

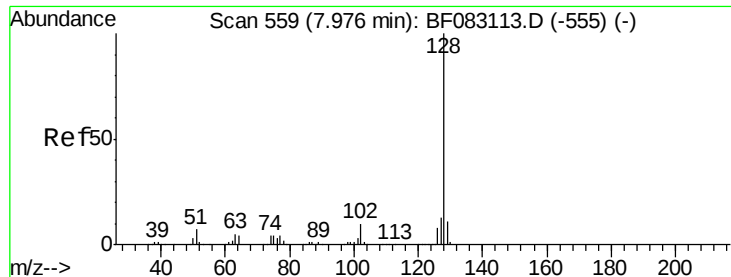
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	180	Resp:	548731
Ion Ratio	Lower	Upper	
180	100		
182	95.3	79.0	118.6
145	31.8	24.2	36.2





#31

Naphthalene

Concen: 42.73 ng

RT: 7.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:128 Resp: 1782371

Ion Ratio Lower Upper

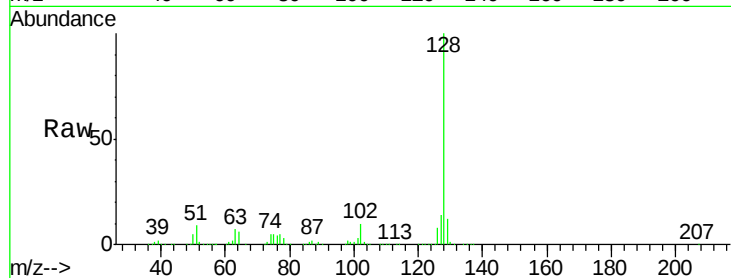
128 100

129 12.0 9.0 13.4

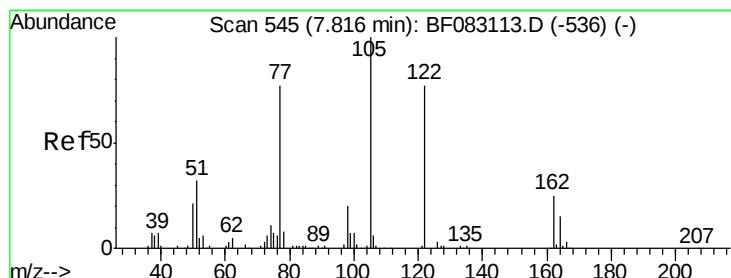
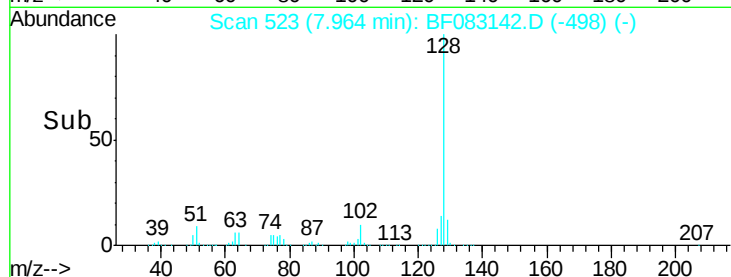
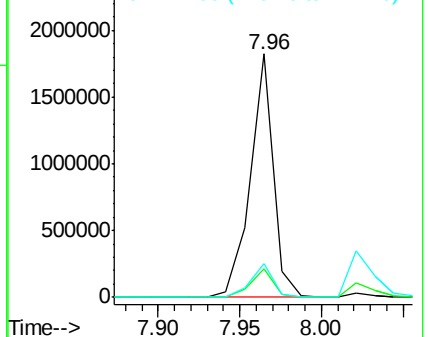
127 13.8 10.6 15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
2500000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.31 ng

RT: 7.74 min Scan# 503

Delta R.T. -0.08 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

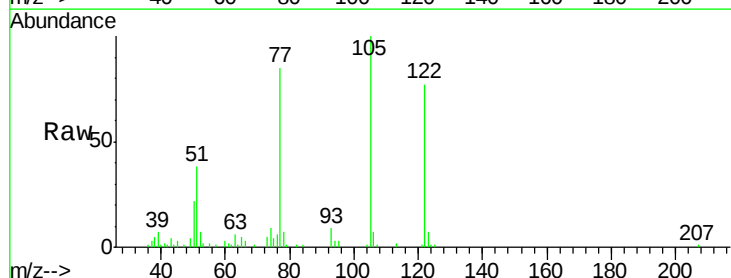
Tgt Ion:122 Resp: 72405

Ion Ratio Lower Upper

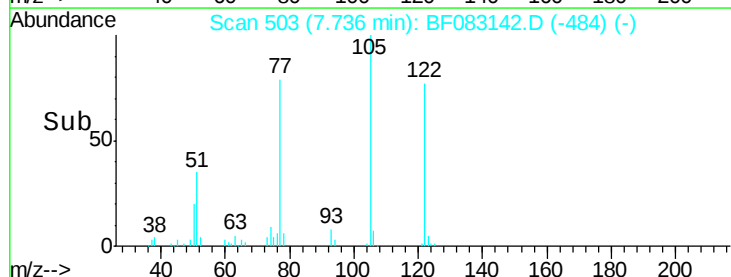
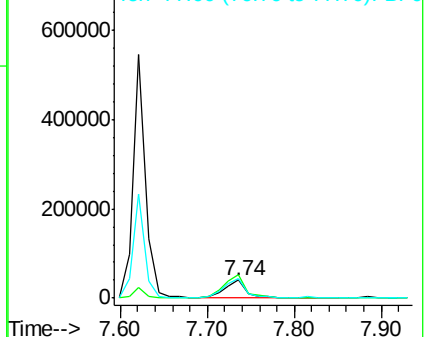
122 100

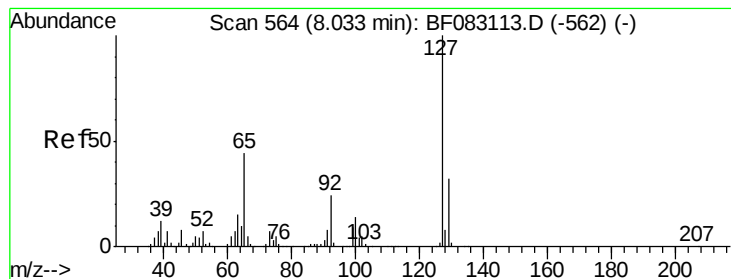
105 129.2 109.7 149.7

77 109.3 79.7 119.7



Abundance Ion 122.00 (121.70 to 122.70): E
600000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 23.74 ng

RT: 8.02 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF083142.D

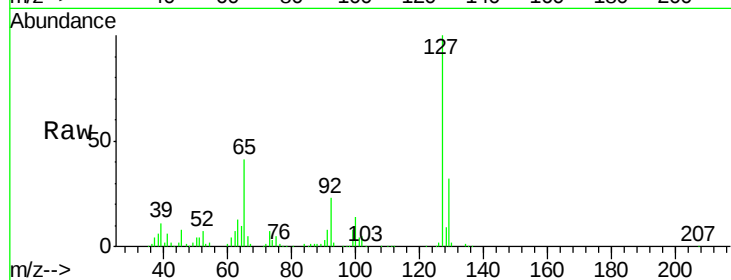
Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

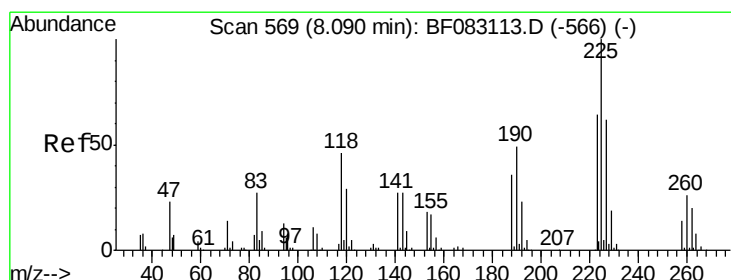
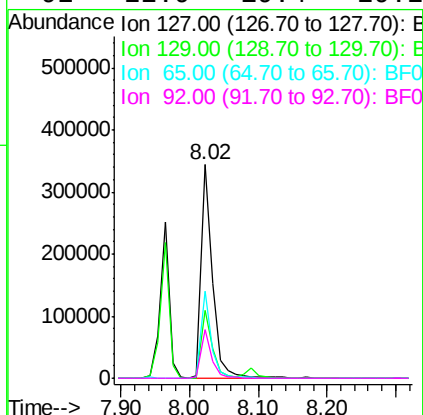
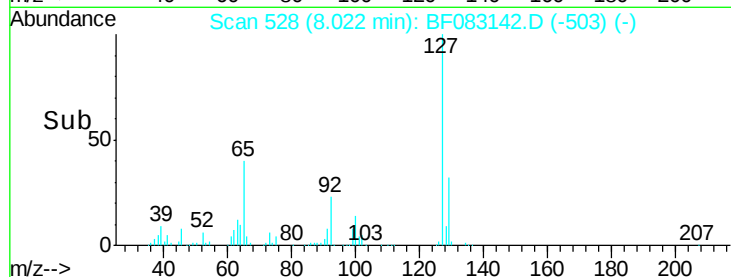
SB-23(7.5-9.5)MS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1	25.7	38.5		
65	40.7	35.5	53.3		
92	22.9	19.4	29.2		

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#34

Hexachlorobutadiene

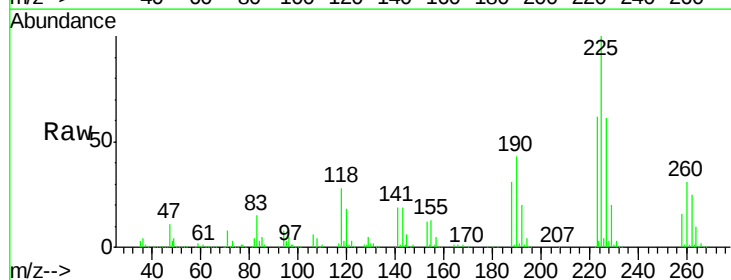
Concen: 41.33 ng

RT: 8.09 min Scan# 534

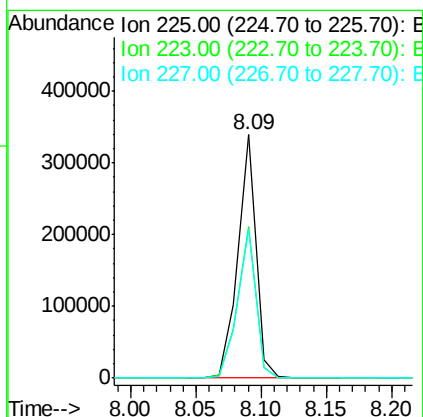
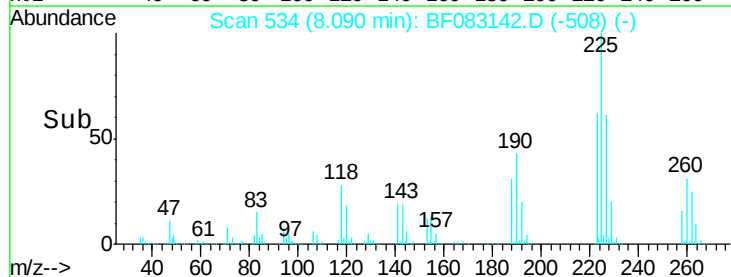
Delta R.T. -0.00 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.4	51.3	76.9		
227	61.2	49.8	74.8		





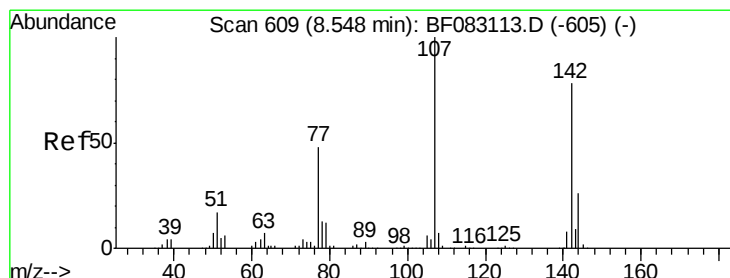
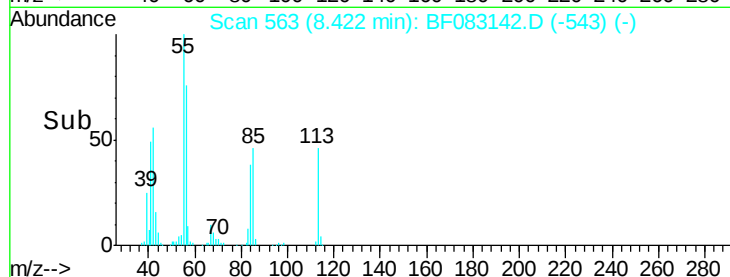
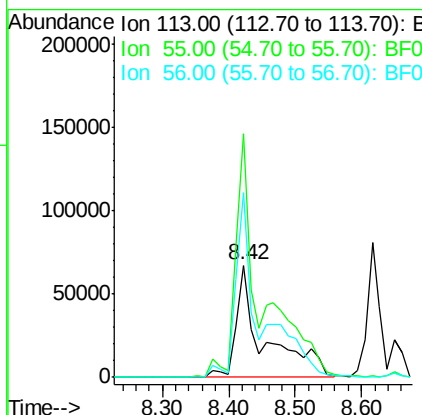
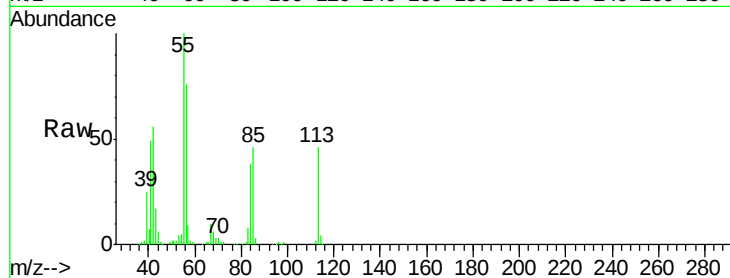
#35
Caprolactam
Concen: 50.37 ng/ml
RT: 8.42 min Scan# 563
Delta R.T. -0.07 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	216.6	192.6	232.6
56	164.1	148.6	188.6

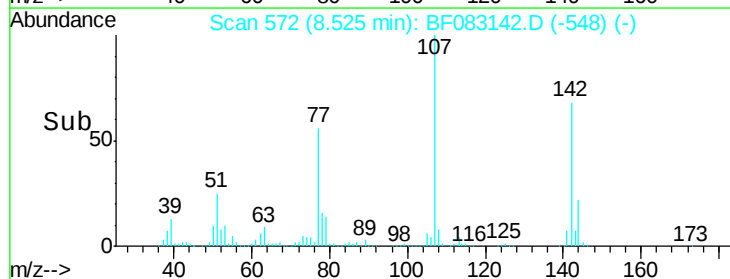
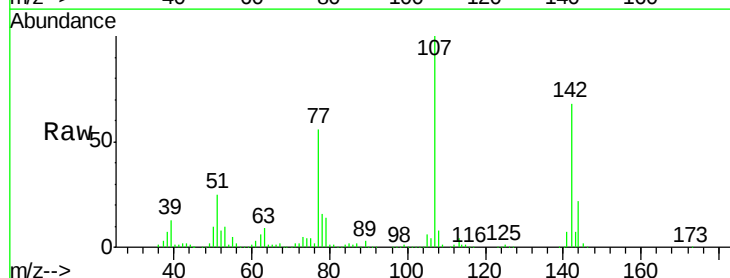
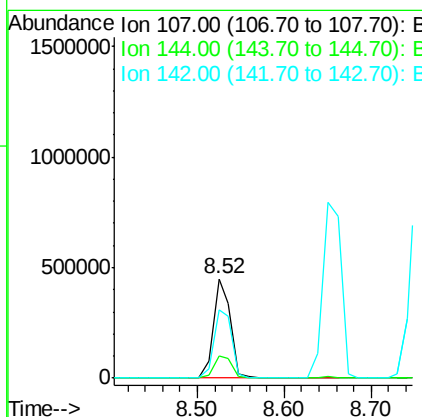
Manual Integrations
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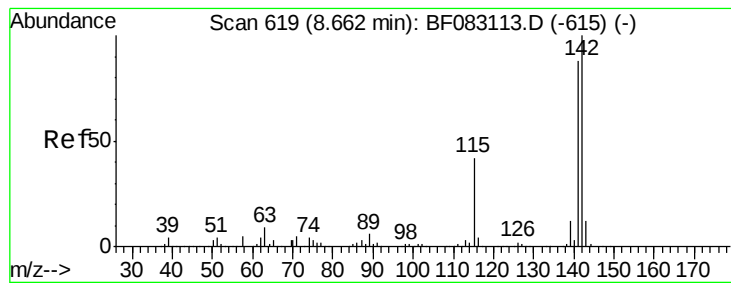
Mmdadoda
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#36
4-Chloro-3-methylphenol
Concen: 44.03 ng/ml
RT: 8.52 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.2	20.8	31.2
142	68.0	62.1	93.1





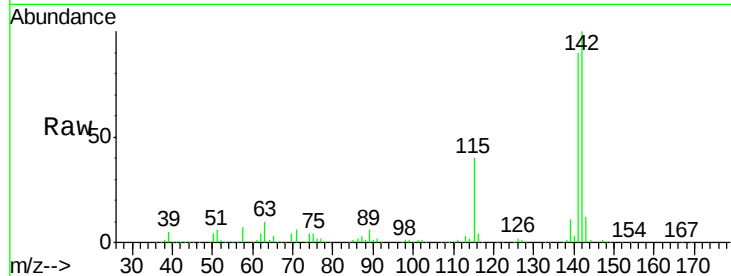
#37
2-Methylnaphthalene
Concen: 42.03 ng
RT: 8.65 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.3	105.5
115	40.4	33.4	50.2

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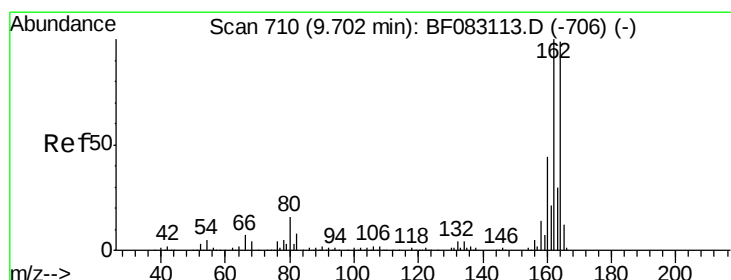
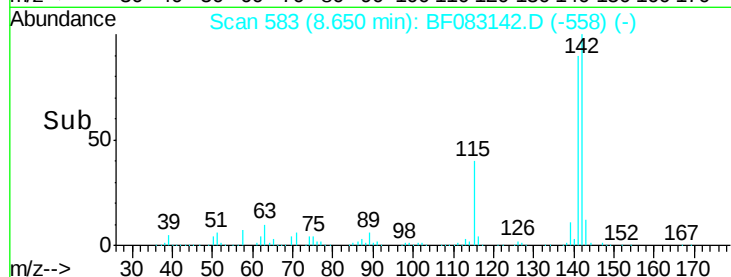
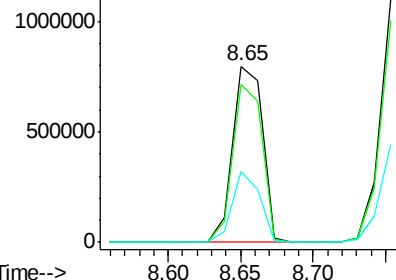


Abundance

Ion 142.00 (141.70 to 142.70): E

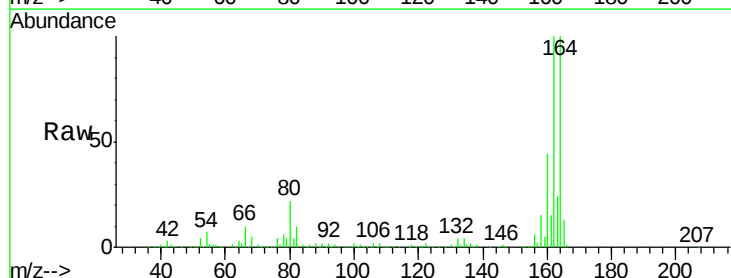
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.2	121.8
160	44.0	35.6	53.4

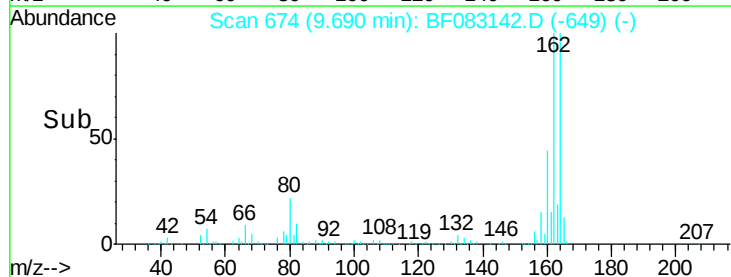
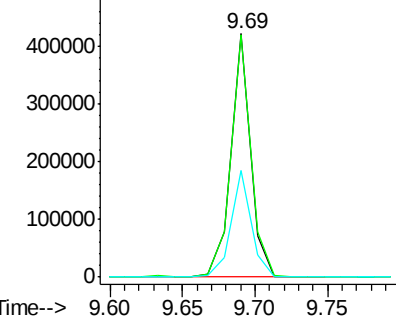


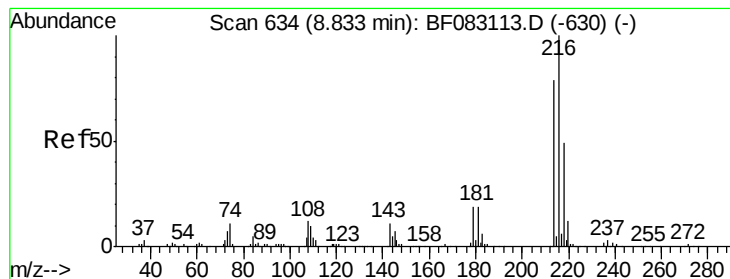
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.24 ng

RT: 8.82 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF083142.D

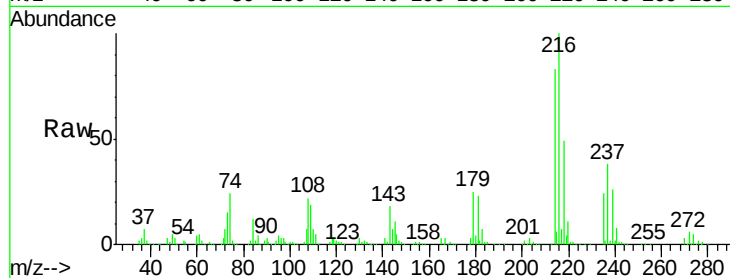
Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

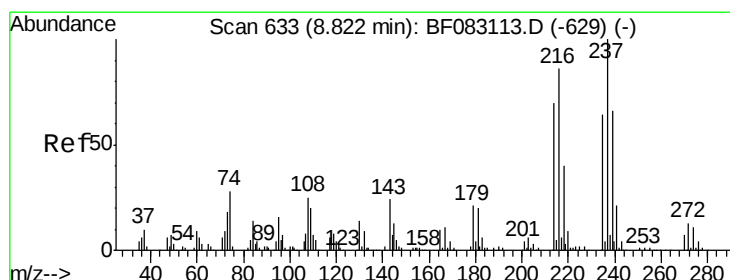
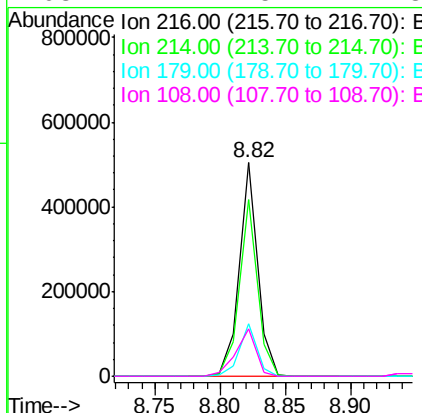
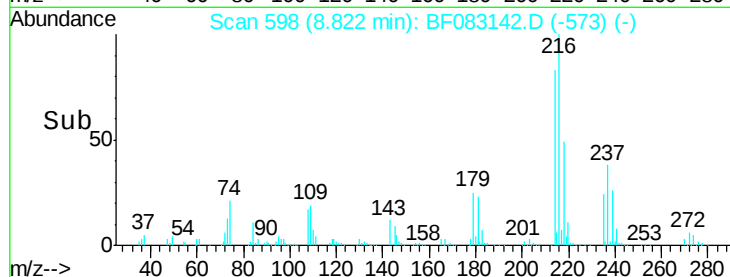
SB-23(7.5-9.5)MS



Tot Ion	Ratio	Resp	Lower	Upper
216	100	491398		
214	81.4	63.8	95.8	
179	23.4	17.0	25.6	
108	24.4	15.2	22.8	

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#40

Hexachlorocyclopentadiene

Concen: 72.90 ng

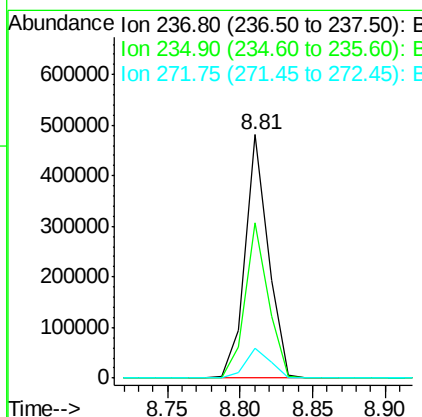
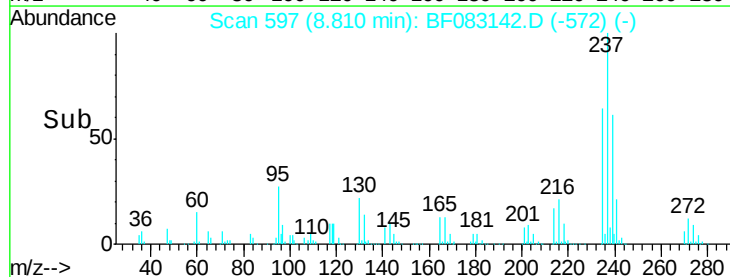
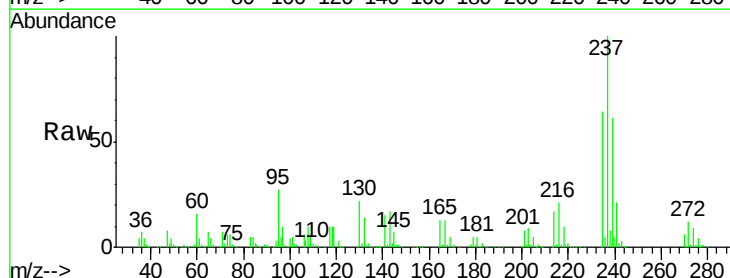
RT: 8.81 min Scan# 597

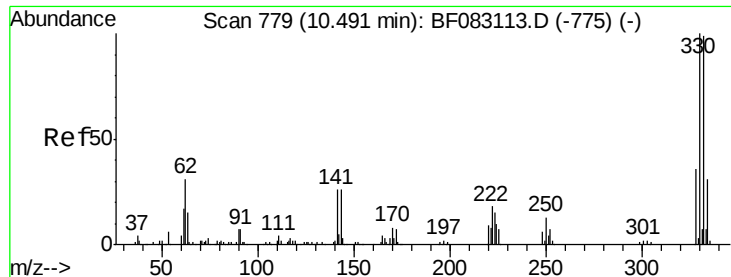
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	532672		
235	63.6	43.5	83.5	
272	12.1	0.0	33.1	





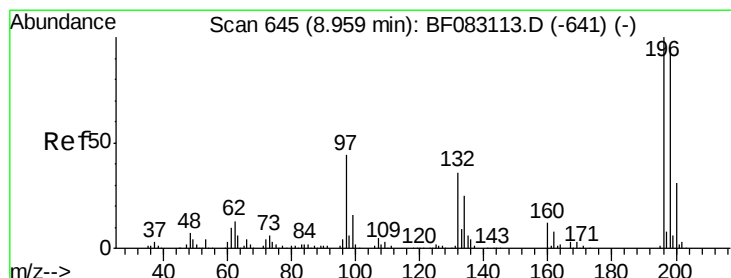
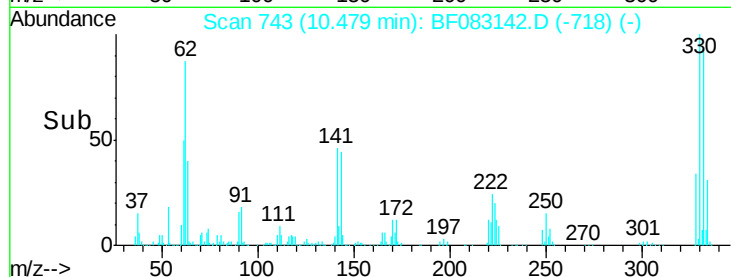
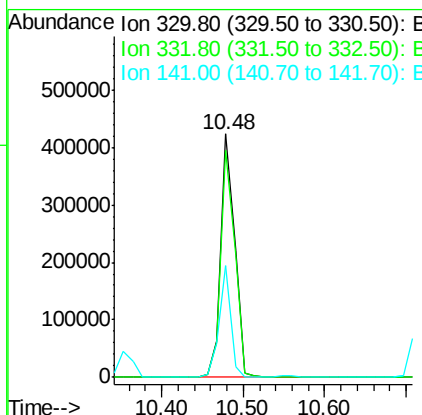
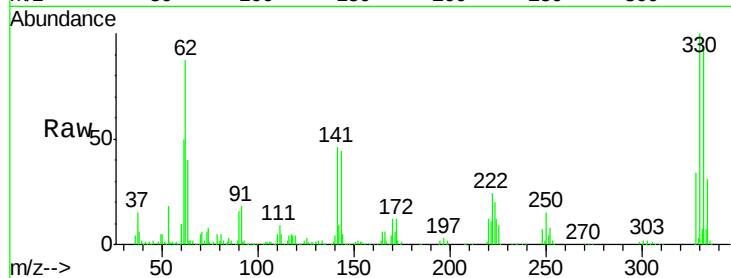
#41
 2,4,6-Tribromophenol
 Concen: 123.41 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.1	77.7	116.5	
141	38.5	29.7	44.5	

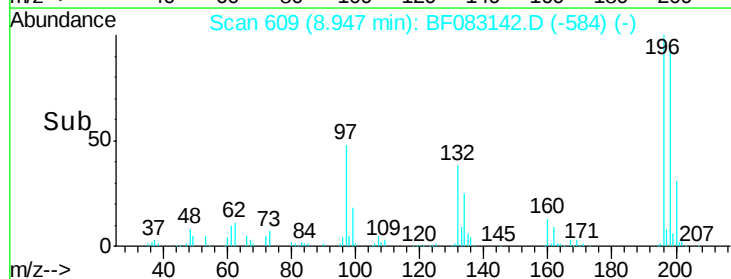
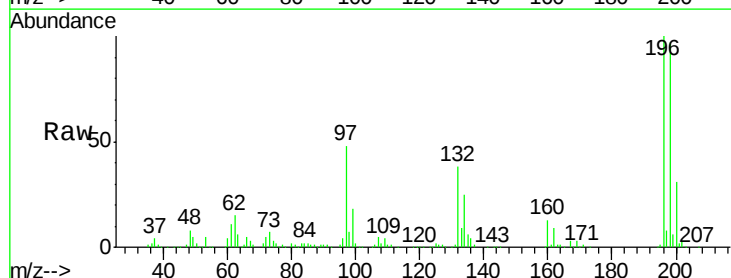
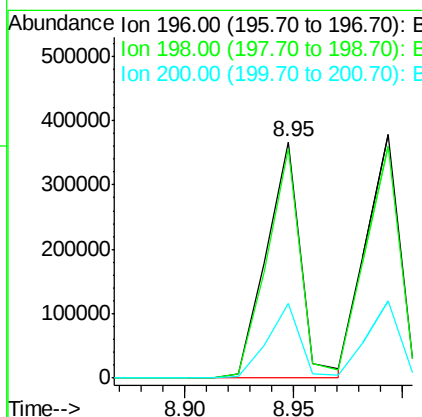
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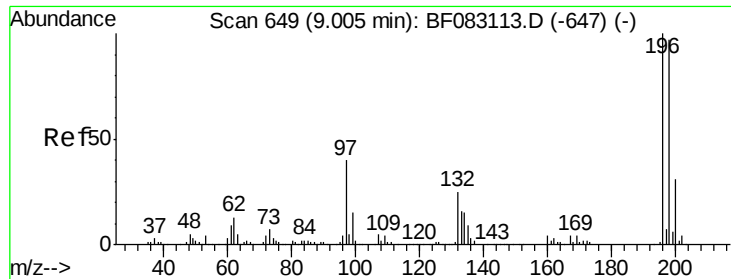
Mmdadoda
 11/23/2015 7:01:47 PM



#42
 2,4,6-Trichlorophenol
 Concen: 43.69 ng
 RT: 8.95 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	97.2	75.9	113.9	
200	31.4	24.5	36.7	





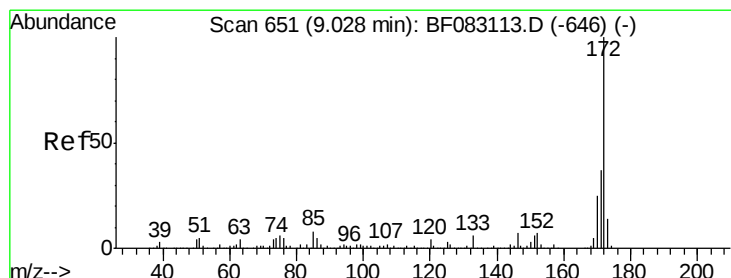
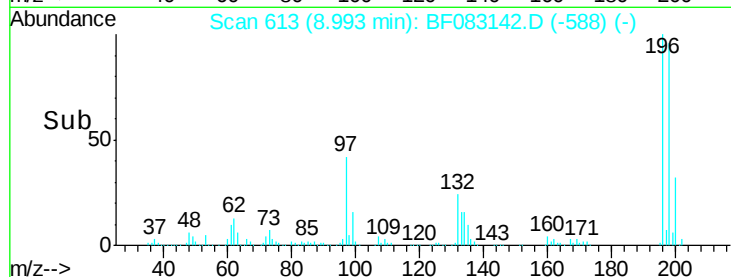
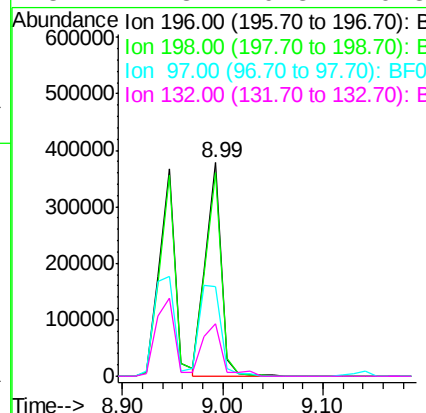
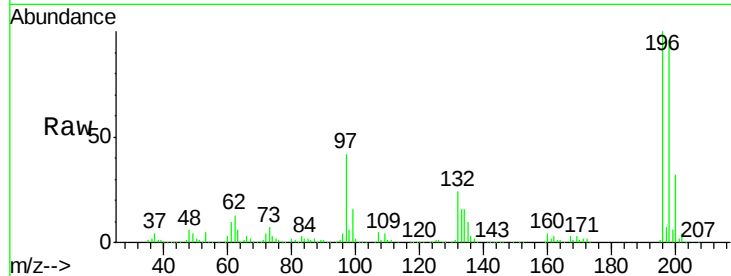
#43
 2,4,5-Trichlorophenol
 Concen: 44.37 ng
 RT: 8.99 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	417497		
198	95.5	77.6	116.4	
97	42.1	32.6	48.8	
132	24.3	19.8	29.8	

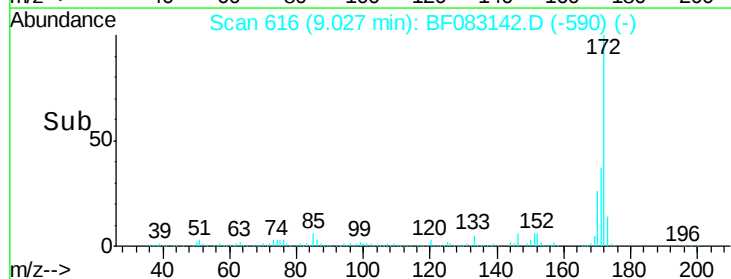
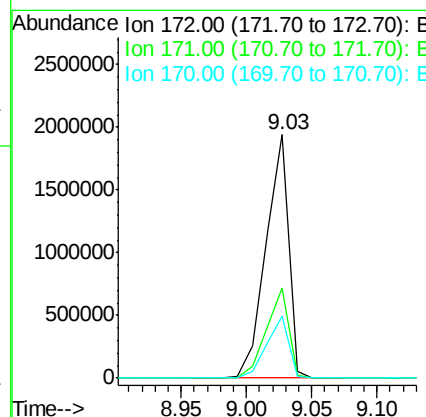
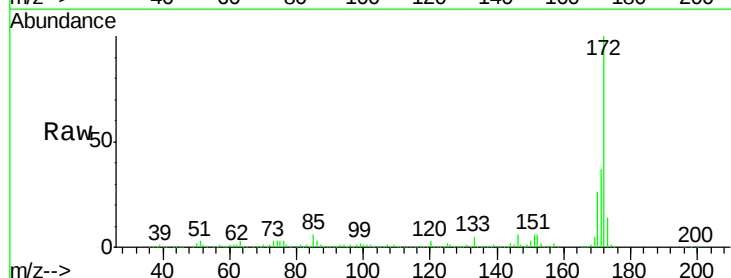
Manual Integrations
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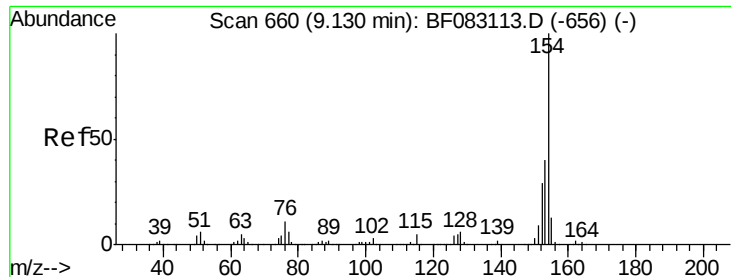
Mmdadoda
 11/23/2015 7:01:47 PM



#44
 2-Fluorobiphenyl
 Concen: 83.41 ng
 RT: 9.03 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2371393		
171	37.0	29.5	44.3	
170	25.5	19.9	29.9	





#45

1,1'-Biphenyl

Concen: 39.23 ng

RT: 9.12 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:154 Resp: 1323853

Ion Ratio Lower Upper

154 100

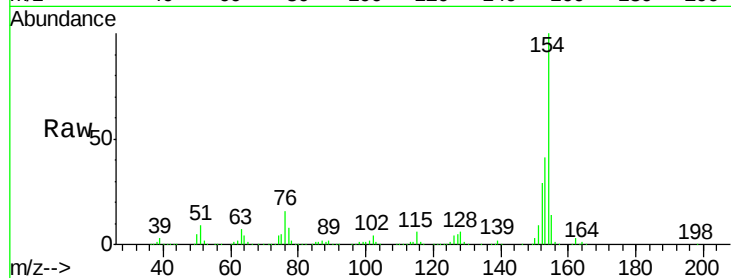
153 40.6 20.5 60.5

76 16.0 0.0 31.2

Manual Integrations
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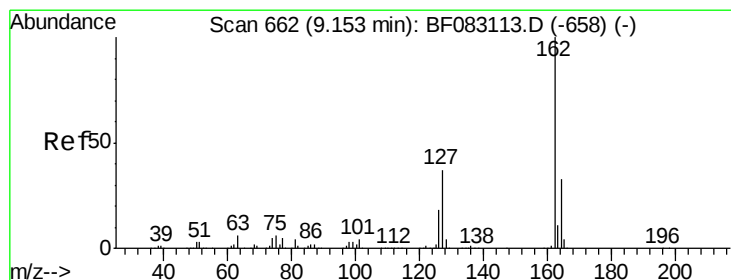
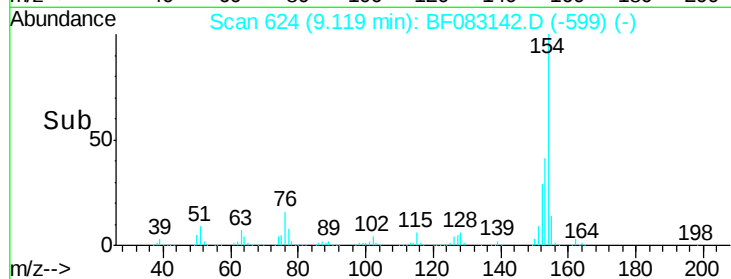
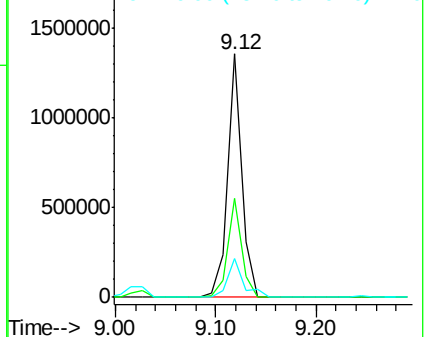
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#46

2-Chloronaphthalene

Concen: 42.52 ng

RT: 9.14 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

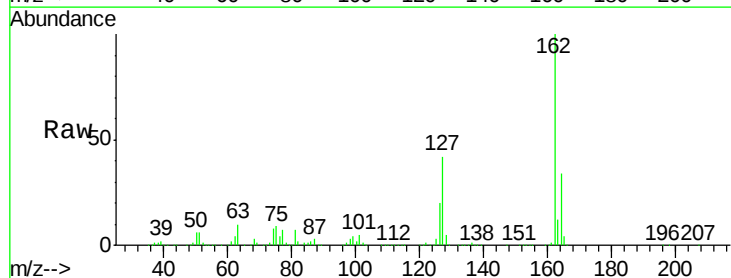
Tgt Ion:162 Resp: 1127064

Ion Ratio Lower Upper

162 100

127 42.0 29.4 44.2

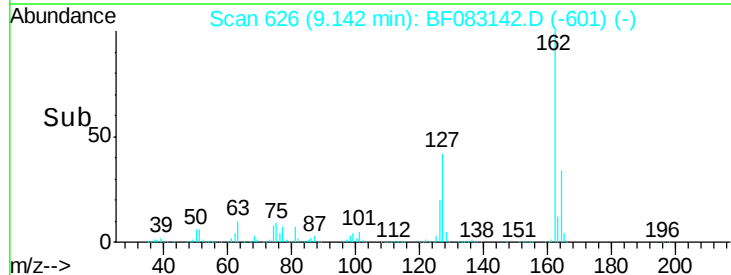
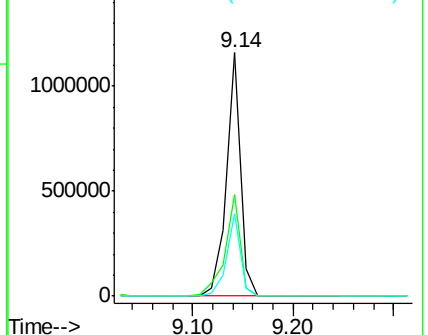
164 33.8 26.2 39.4

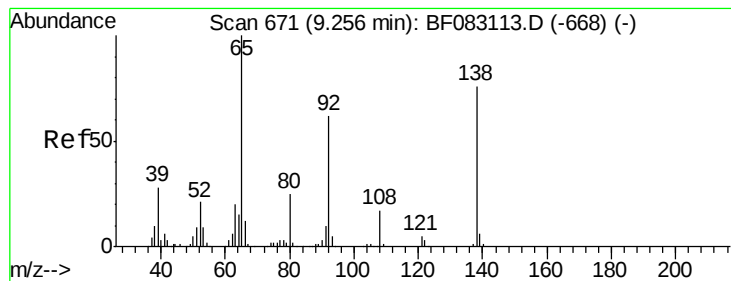


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.94 ng

RT: 9.24 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

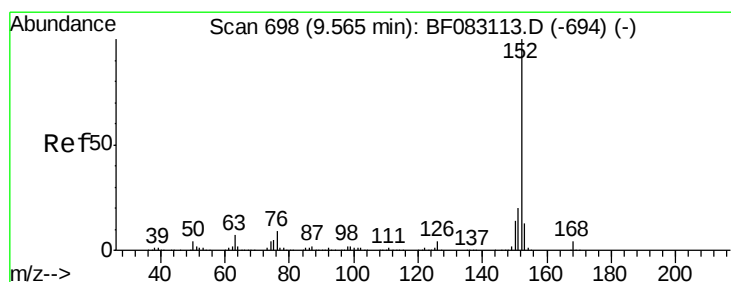
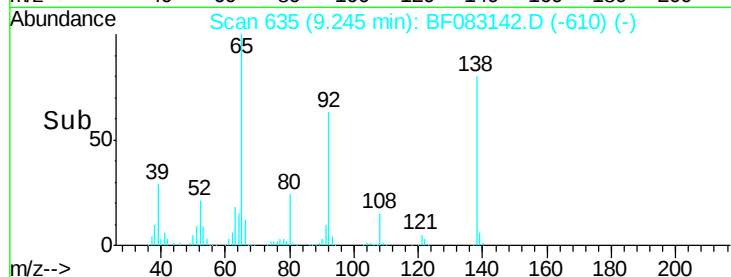
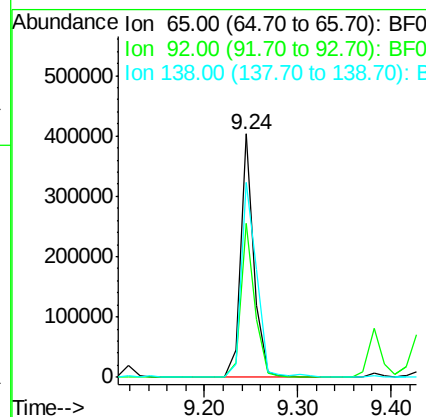
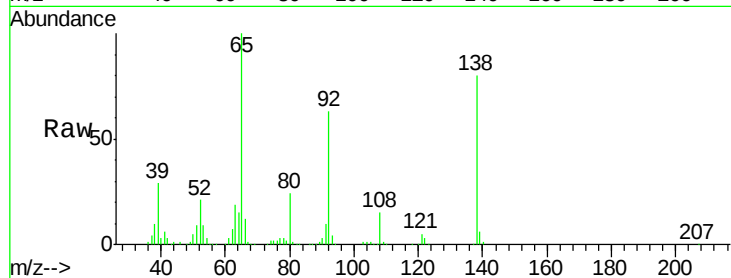
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	65	Resp:	402626
Ion Ratio	Lower	Upper	
65	100		
92	63.1	49.5	74.3
138	80.0	60.7	91.1

Manual Integrations
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#48

Acenaphthylene

Concen: 40.70 ng

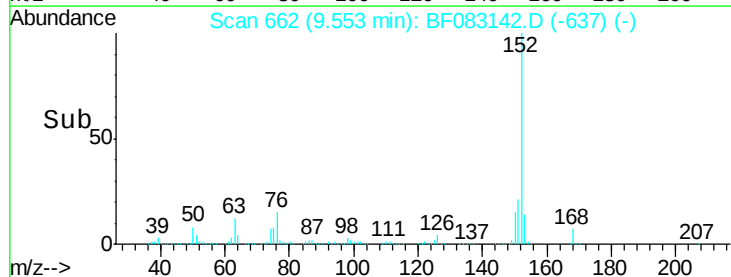
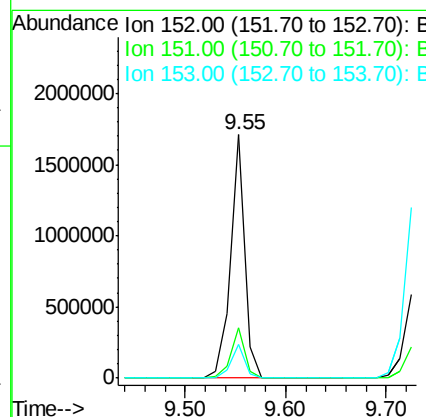
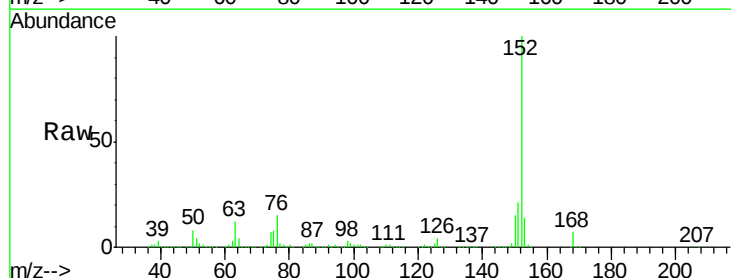
RT: 9.55 min Scan# 662

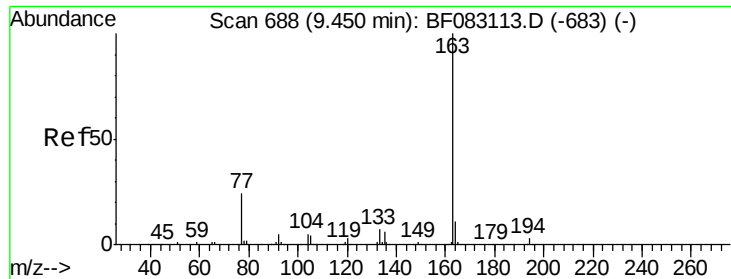
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	152	Resp:	1671529
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	14.0	10.8	16.2





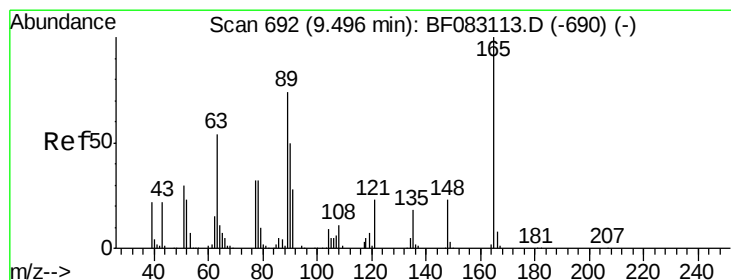
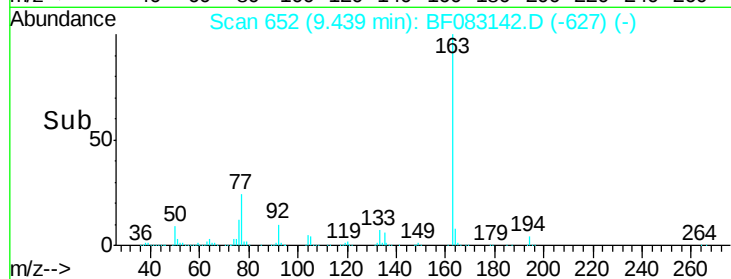
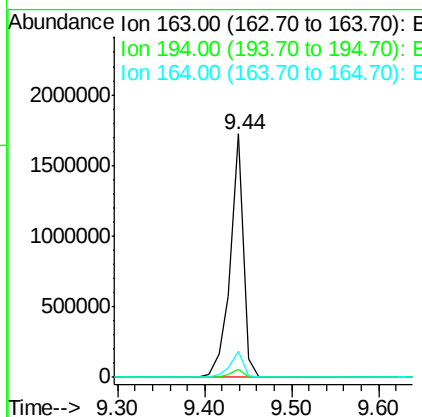
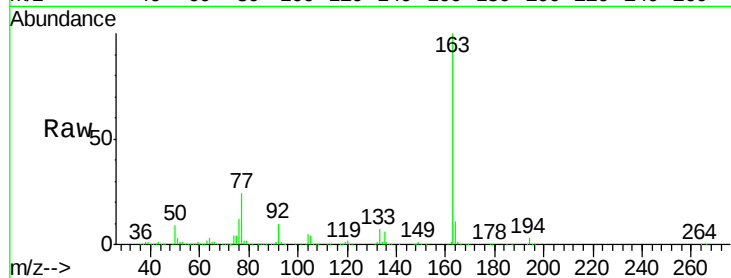
#49
Dimethylphthalate
Concen: 59.02 ng
RT: 9.44 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.6	8.6	12.8

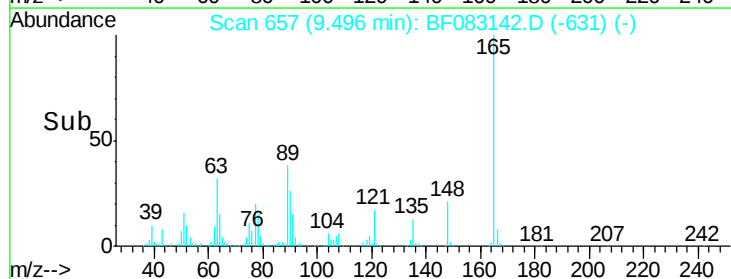
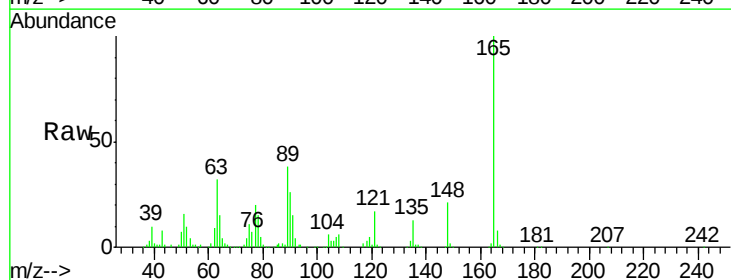
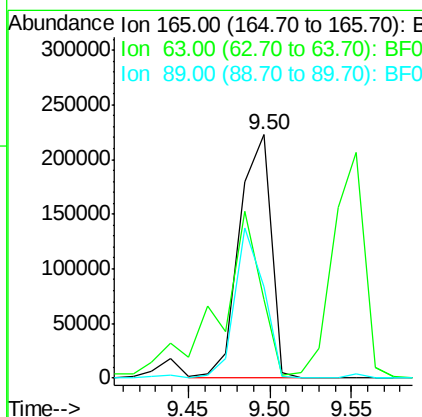
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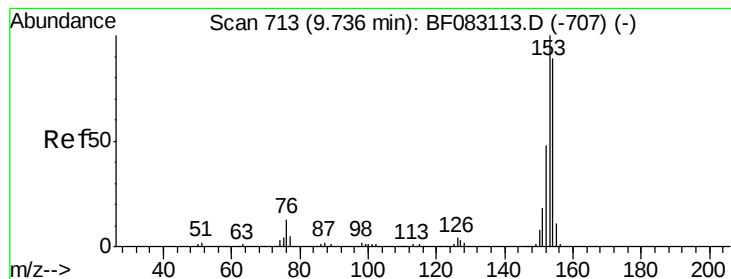
Mmdadoda
11/23/2015 7:01:47 PM



#50
2,6-Dinitrotoluene
Concen: 43.52 ng
RT: 9.50 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	32.4	62.5	93.7#
89	37.6	59.1	88.7#





#51

Acenaphthene

Concen: 41.23 ng

RT: 9.72 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:154 Resp: 1030604

Ion Ratio Lower Upper

154 100

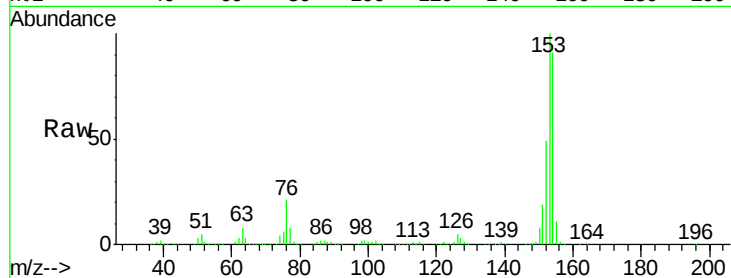
153 110.5 89.6 134.4

152 53.8 43.3 64.9

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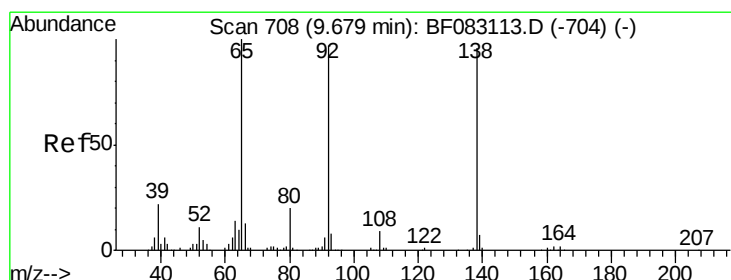
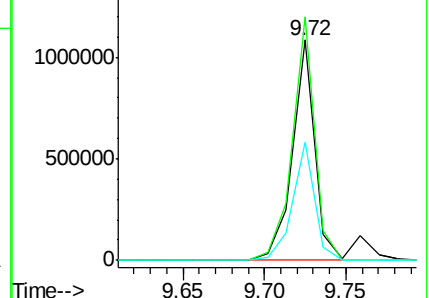
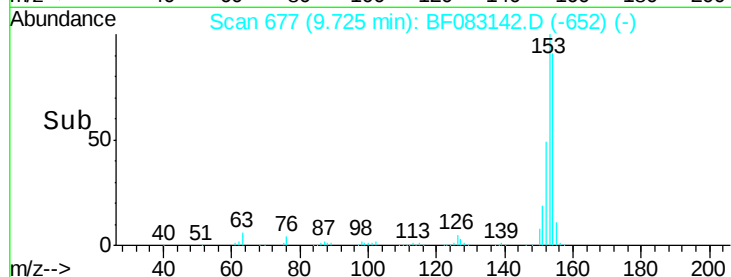
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.61 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

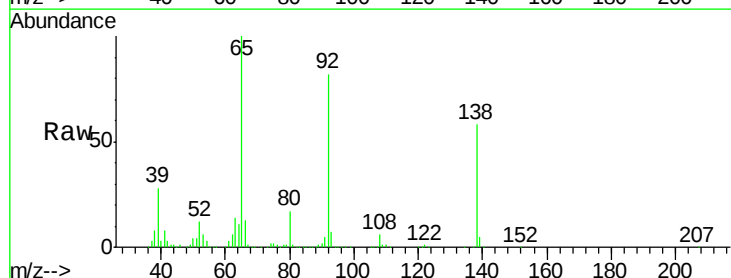
Tgt Ion:138 Resp: 208915

Ion Ratio Lower Upper

138 100

108 11.0 7.8 11.6

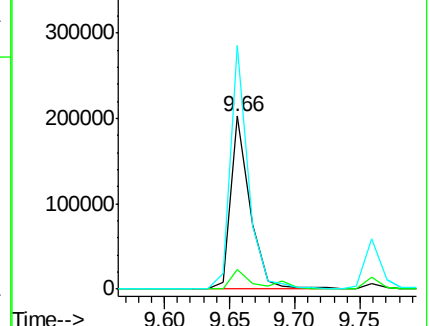
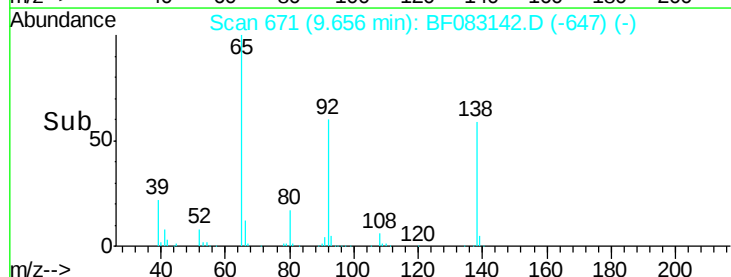
92 140.7 81.1 121.7#

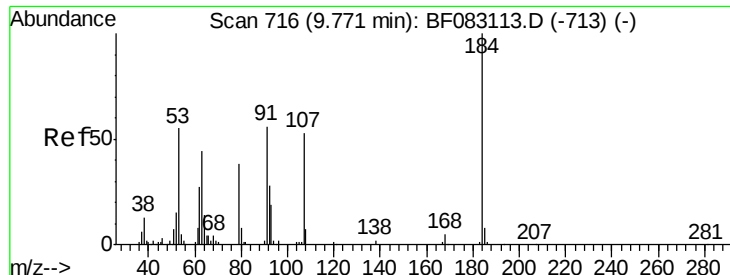


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





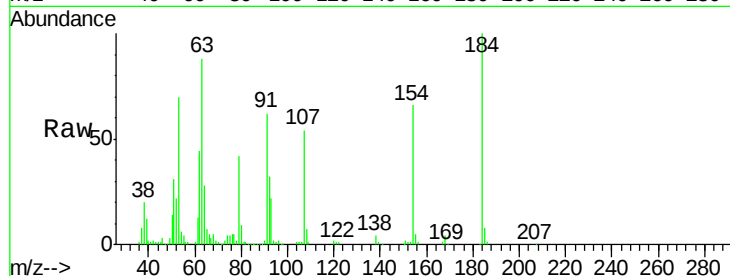
#53
2,4-Dinitrophenol
Concen: 46.63 ng
RT: 9.76 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	183996		
63	88.3	60.5	90.7	
154	65.9	54.3	81.5	

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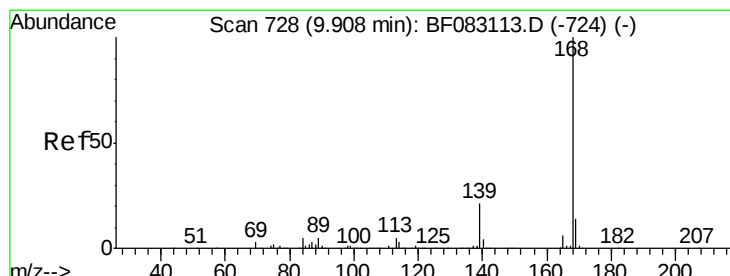
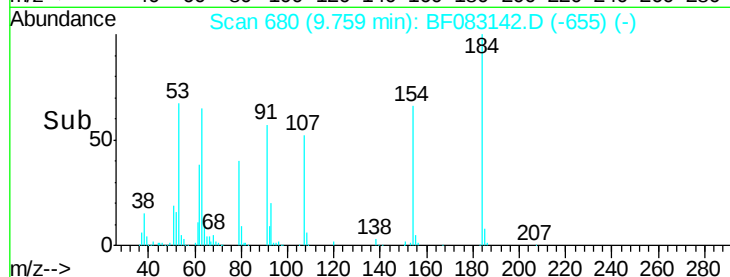
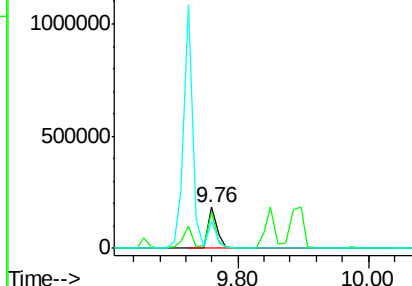


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54
Dibenzofuran
Concen: 40.58 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

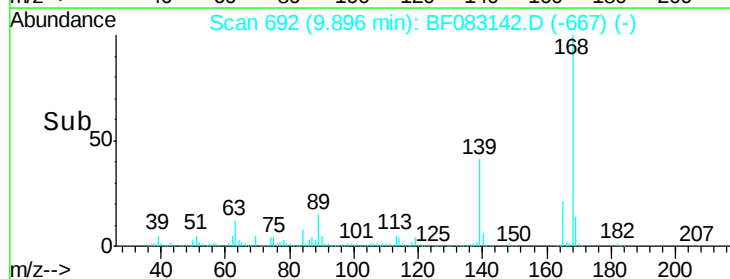
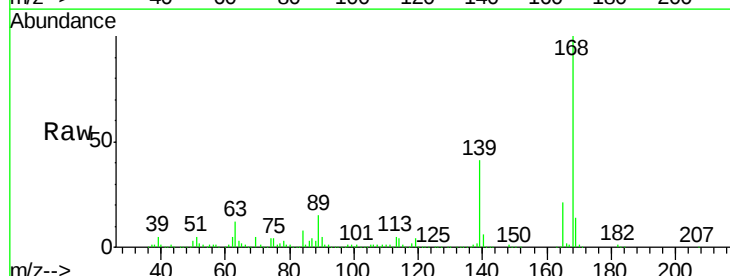
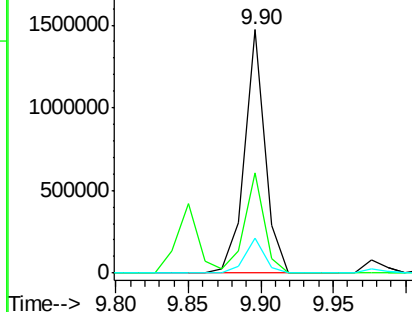
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1434301		
139	41.0	30.2	45.2	
169	14.3	10.9	16.3	

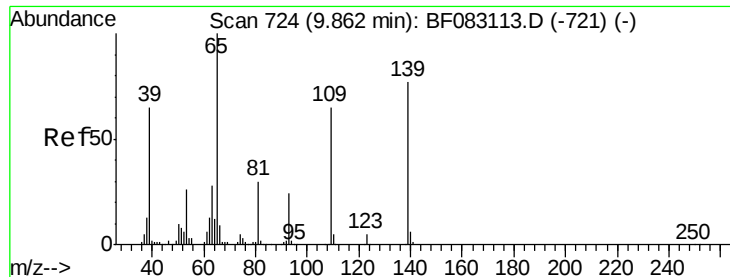
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





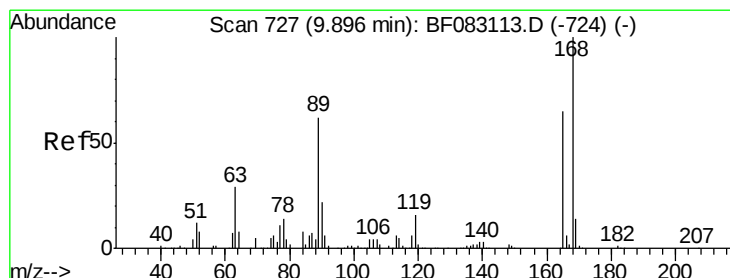
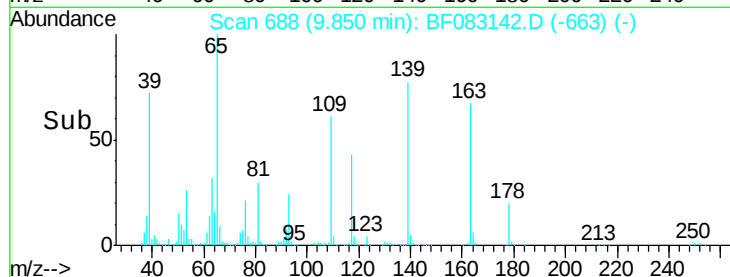
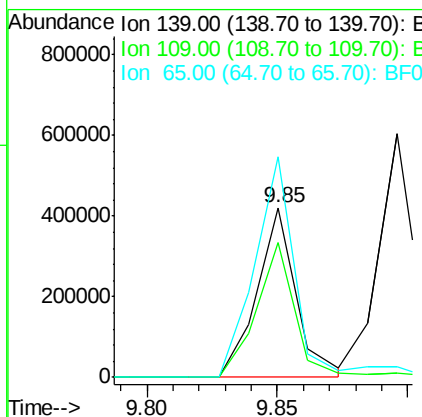
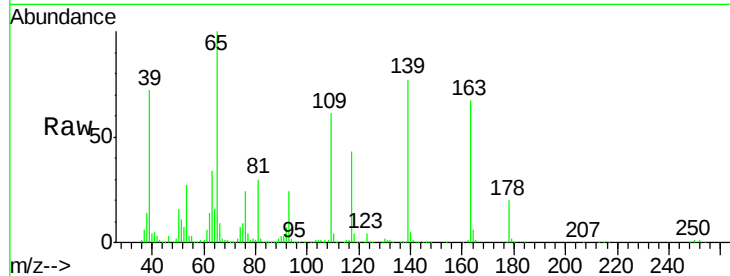
#55
4-Nitrophenol
Concen: 79.56 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	79.7	64.0	104.0	
65	130.0	109.5	149.5	

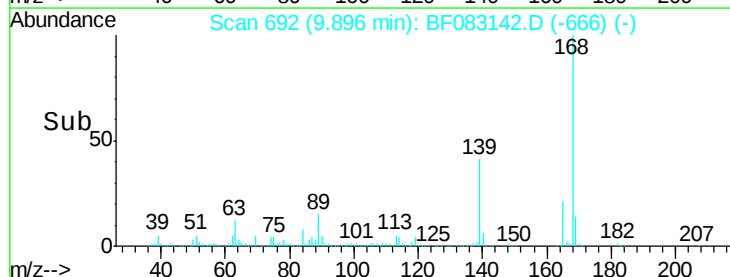
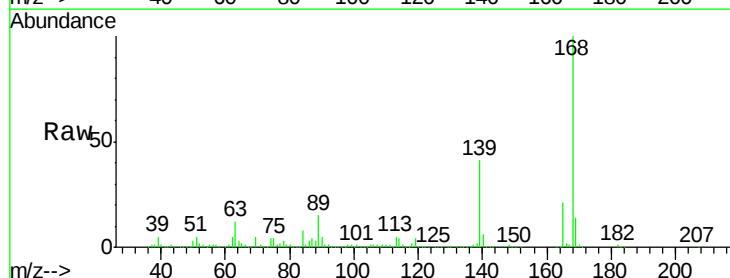
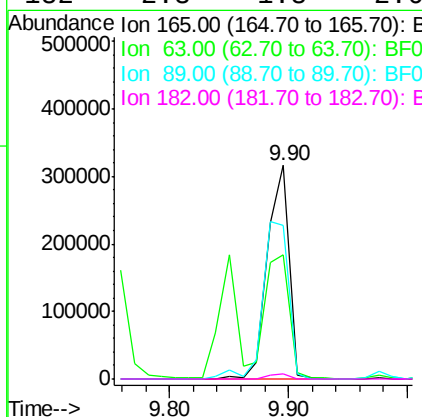
Manual Integrations
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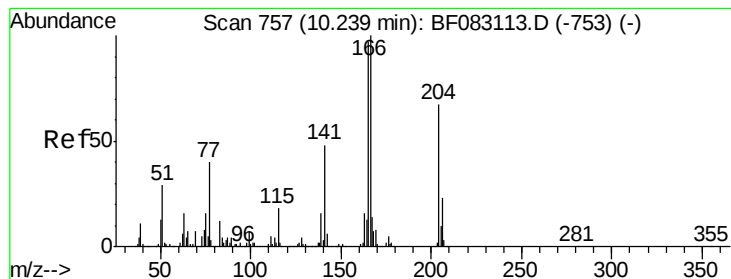
Mmdadoda
11/23/2015 7:01:47 PM



#56
2,4-Dinitrotoluene
Concen: 46.41 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	58.0	54.5	81.7	
89	71.7	77.3	115.9#	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 41.19 ng

RT: 10.24 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:166 Resp: 1203205

Ion Ratio Lower Upper

166 100

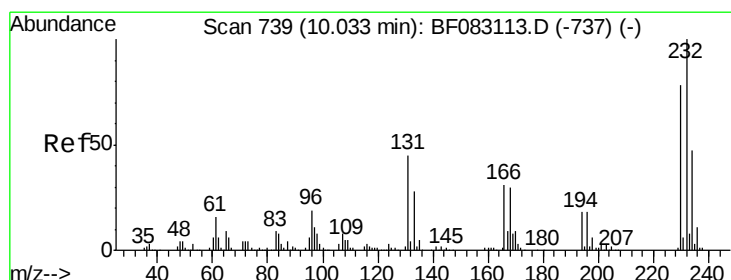
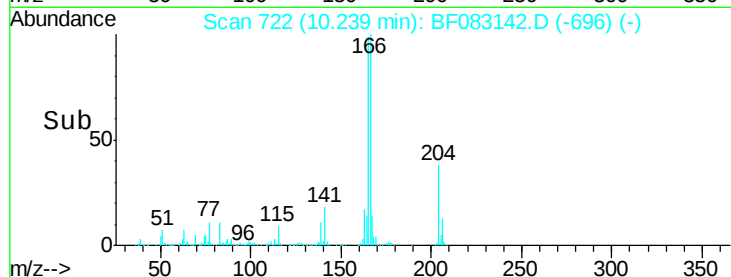
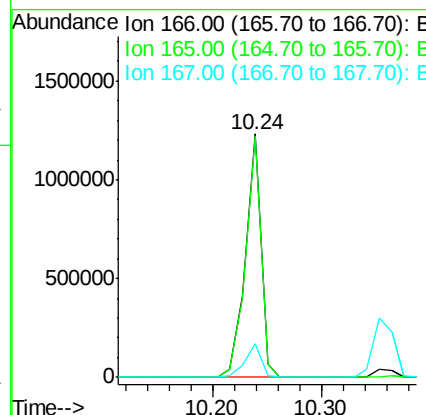
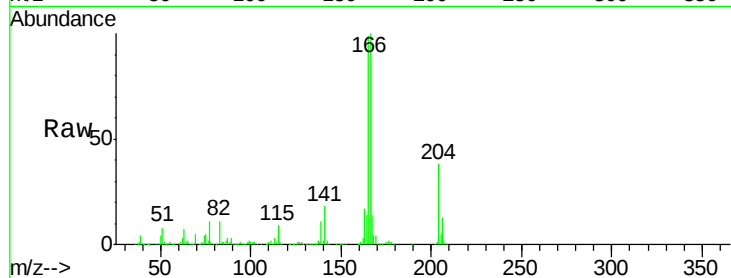
165 98.8 78.0 117.0

167 13.9 11.3 16.9

Manual Integrations
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Mmdadoda

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#58

2,3,4,6-Tetrachlorophenol

Concen: 43.09 ng

RT: 10.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:232 Resp: 332639

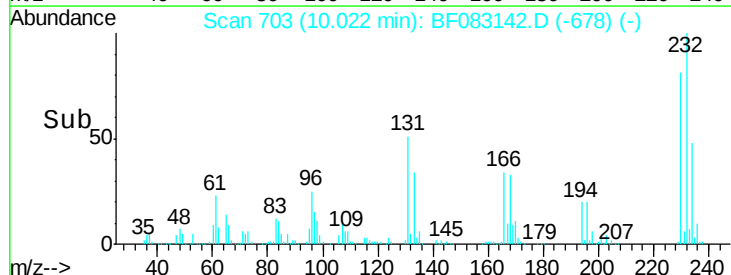
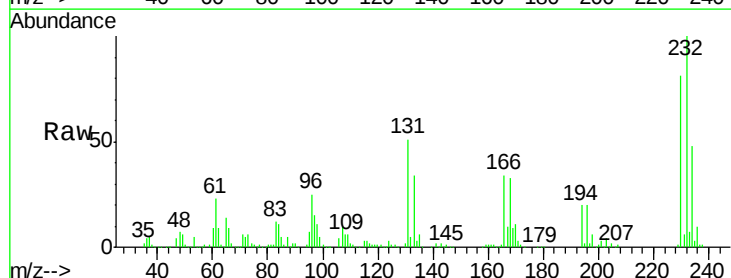
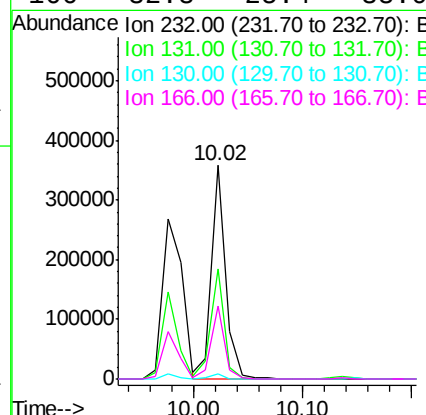
Ion Ratio Lower Upper

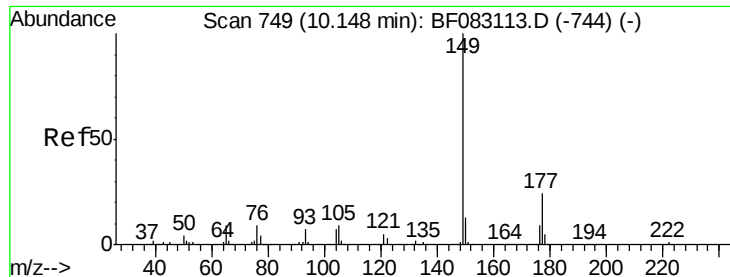
232 100

131 49.4 38.6 57.8

130 2.3 1.9 2.9

166 32.8 25.4 38.0





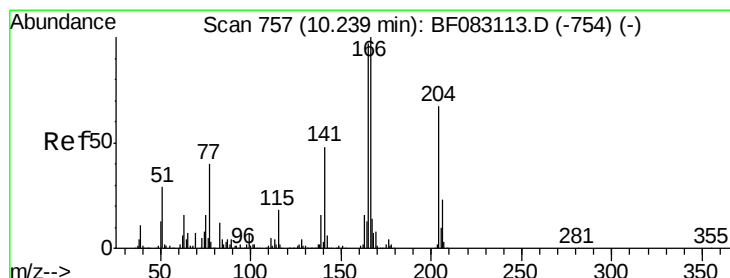
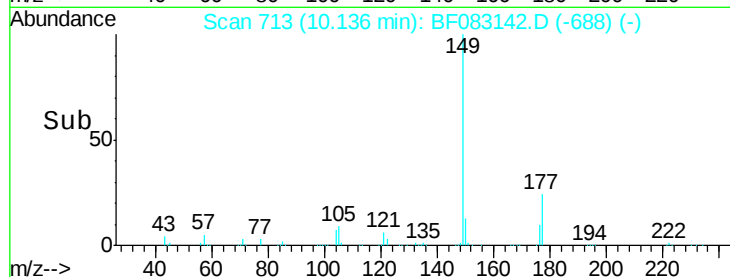
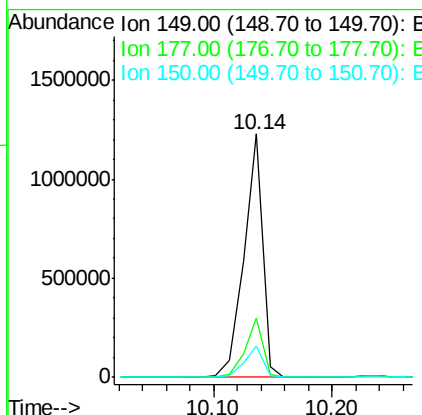
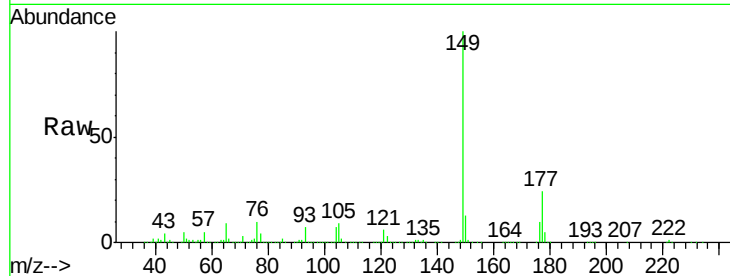
#59
Diethylphthalate
Concen: 44.50 ng
RT: 10.14 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	24.2	19.4	29.2
150	12.9	10.2	15.2

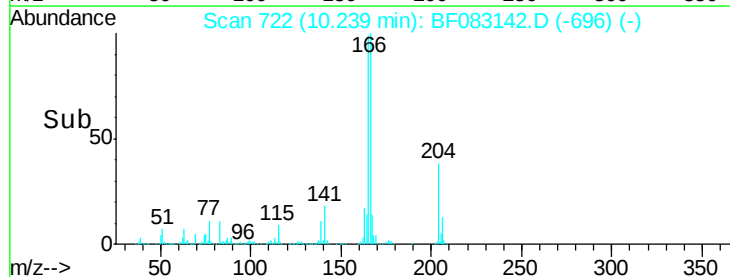
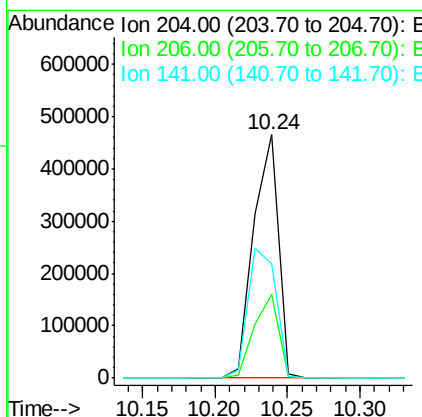
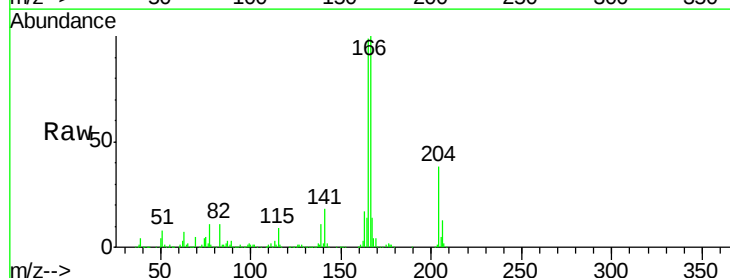
Manual Integrations
APPROVED

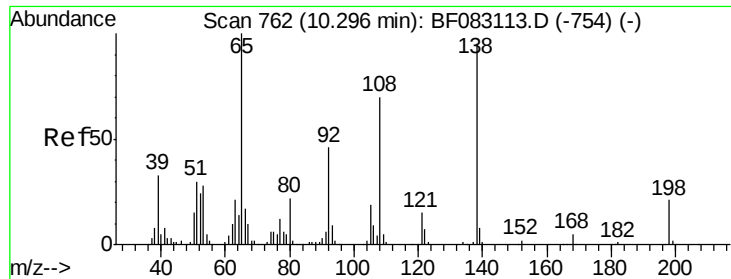
Mmdadoda
11/23/2015 7:01:47 PM



#60
4-Chlorophenyl-phenylether
Concen: 41.34 ng
RT: 10.24 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.5	27.4	41.0
141	47.2	57.4	86.2#





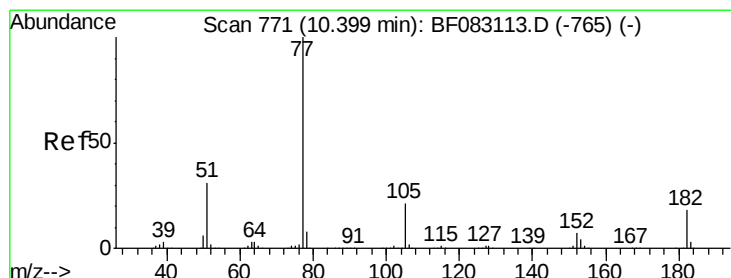
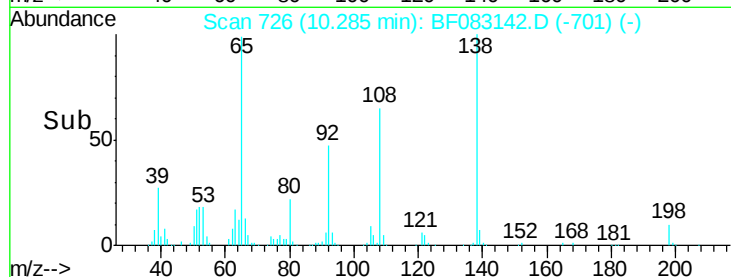
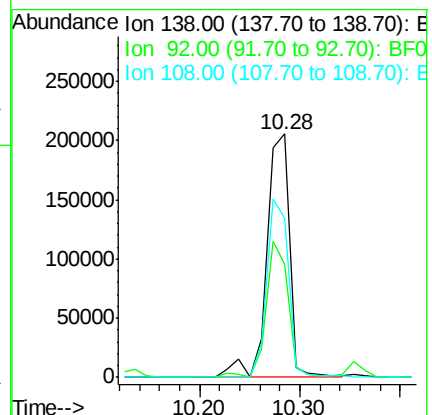
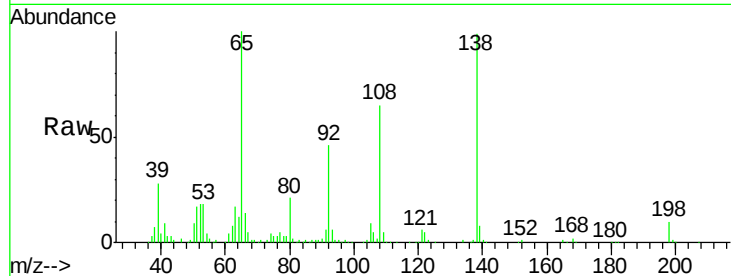
#61
4-Nitroaniline
Concen: 45.14 ng
RT: 10.28 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.7	28.4	68.4
108	65.2	53.5	93.5

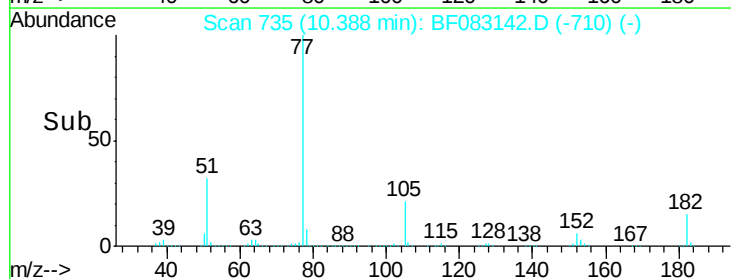
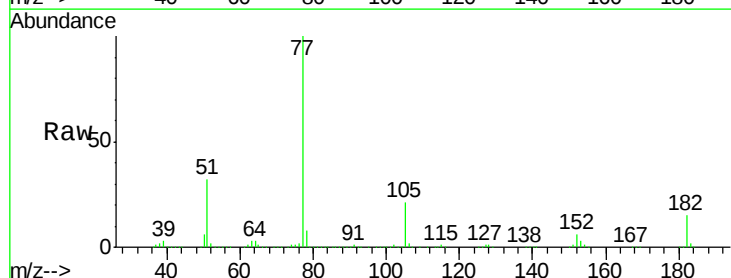
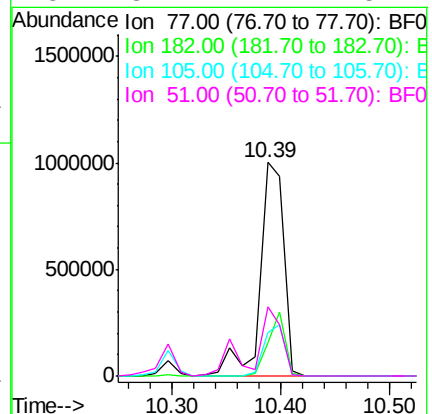
Manual Integrations
APPROVED

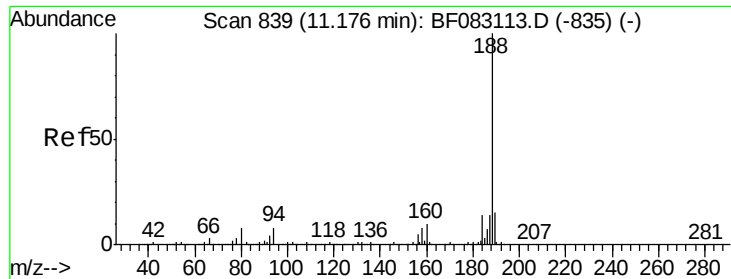
Mmdadoda
11/23/2015 7:01:47 PM



#62
Azobenzene
Concen: 44.58 ng
RT: 10.39 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
77	100		
182	15.4	0.0	38.3
105	20.7	1.2	41.2
51	32.1	11.1	51.1





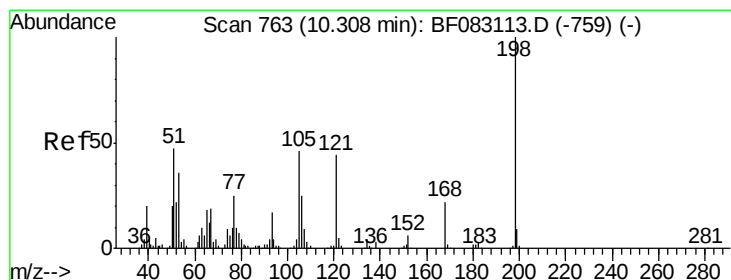
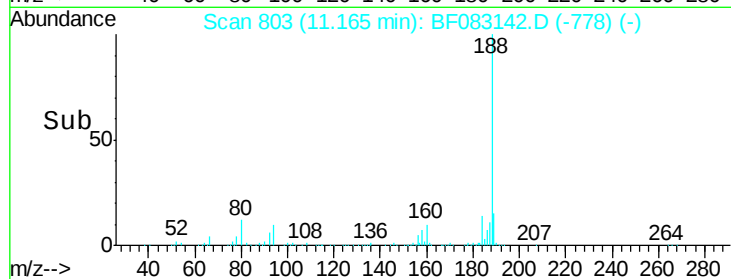
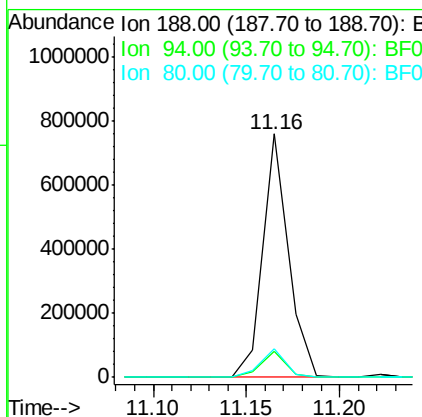
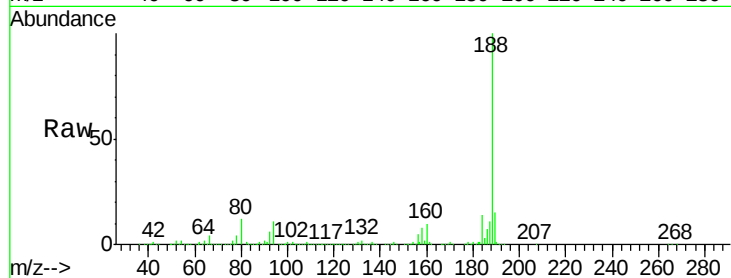
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	6.0	9.0#
80	11.8	6.7	10.1#

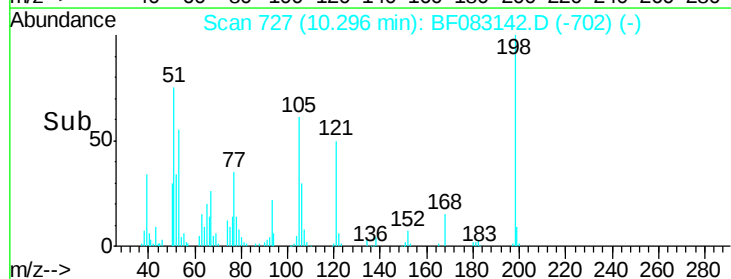
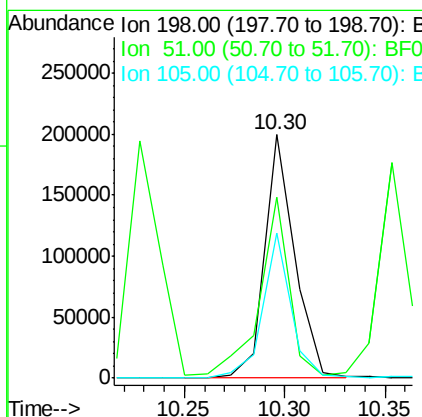
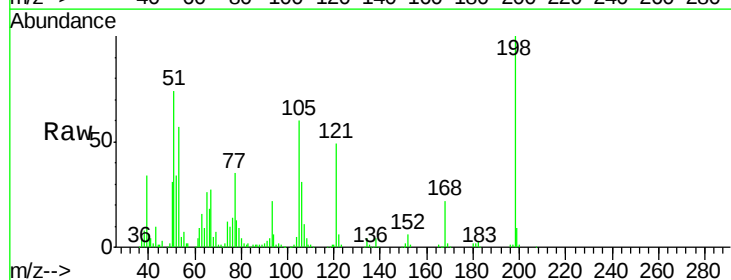
Manual Integrations
APPROVED

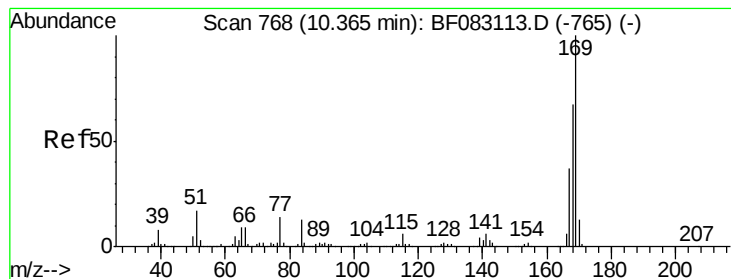
Mmdadoda
11/23/2015 7:01:47 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 41.66 ng m
RT: 10.30 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	74.5	27.0	67.0#
105	59.8	26.1	66.1





#65

n-Nitrosodiphenylamine

Concen: 43.20 ng

RT: 10.35 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:169 Resp: 1058290

Ion Ratio Lower Upper

169 100

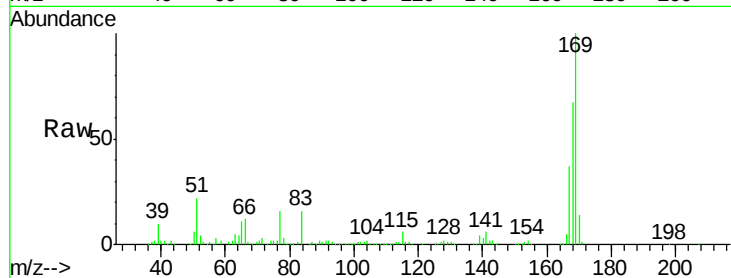
168 66.8 53.8 80.6

167 36.8 29.8 44.8

Manual Integrations
APPROVED

Mmdadoda

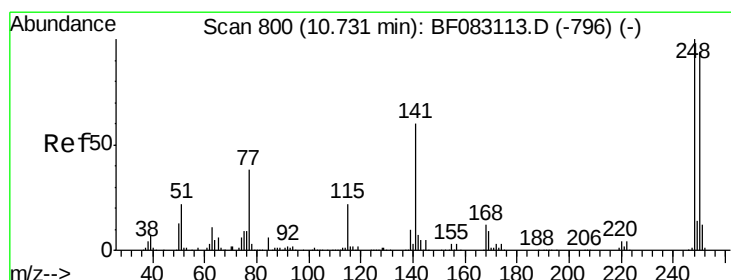
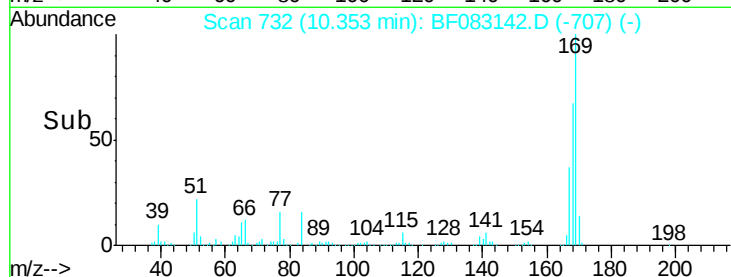
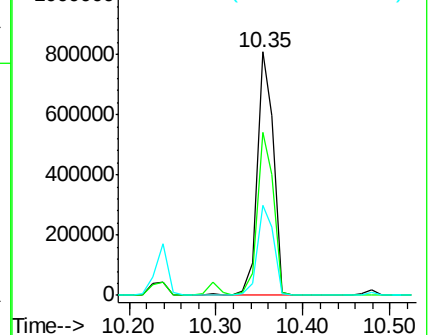
11/23/2015 7:01:47 PM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 43.09 ng

RT: 10.72 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

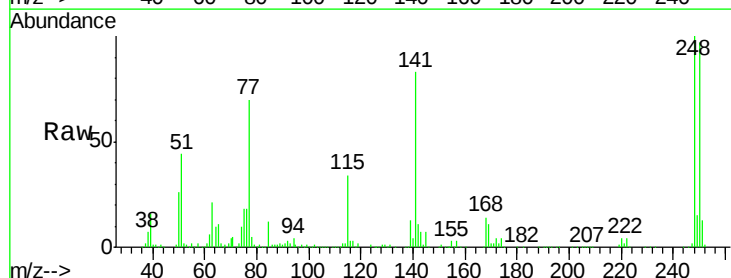
Tgt Ion:248 Resp: 344384

Ion Ratio Lower Upper

248 100

250 97.5 75.4 113.2

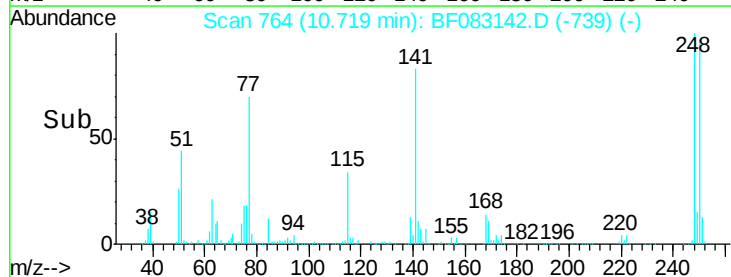
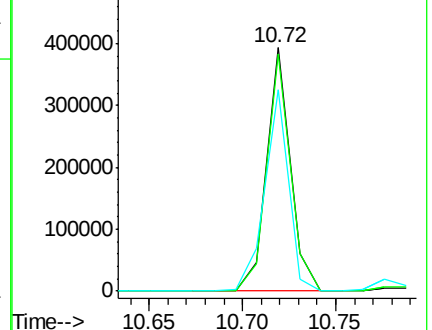
141 82.9 48.1 72.1#

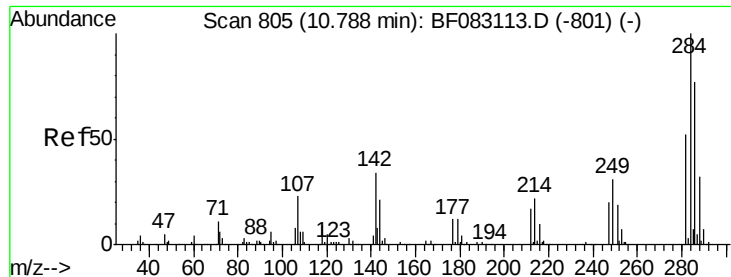


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





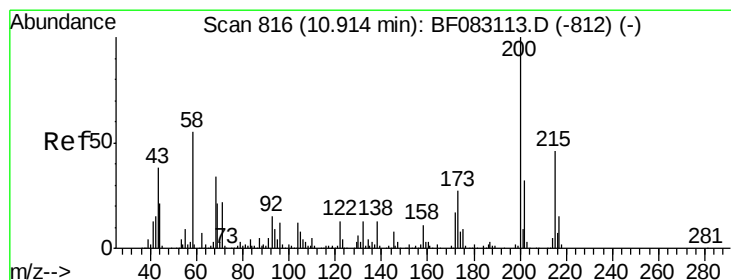
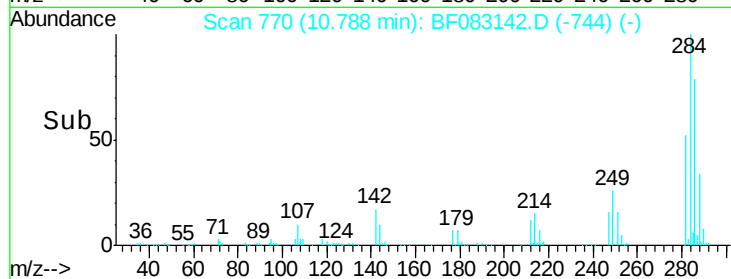
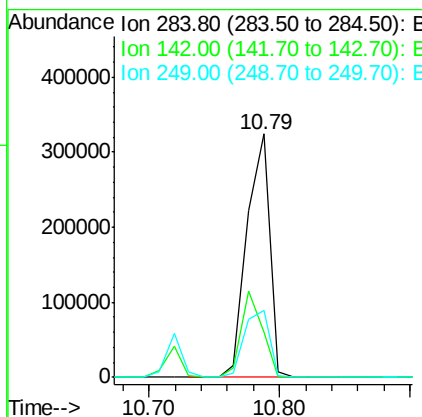
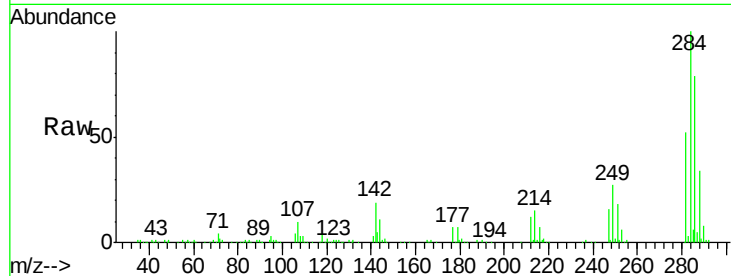
#67
Hexachlorobenzene
Concen: 44.63 ng
RT: 10.79 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	392789		
142	18.5	27.6	41.4#	
249	27.4	25.5	38.3	

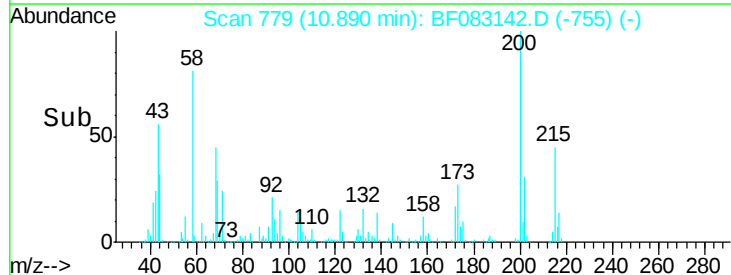
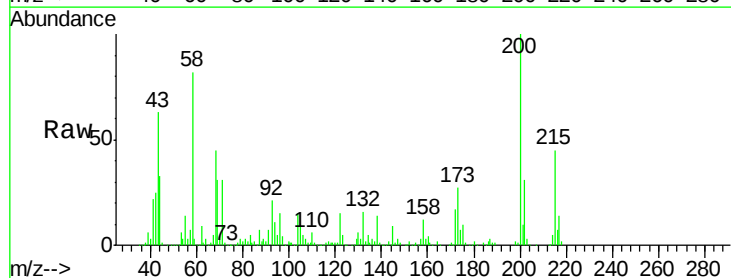
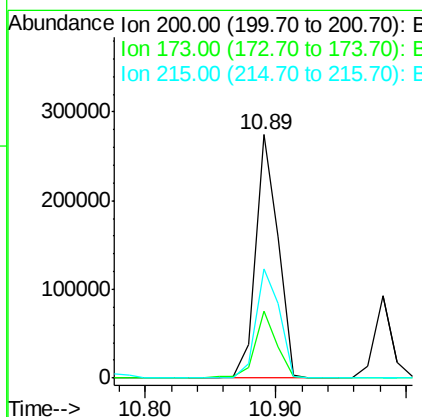
Manual Integrations
APPROVED

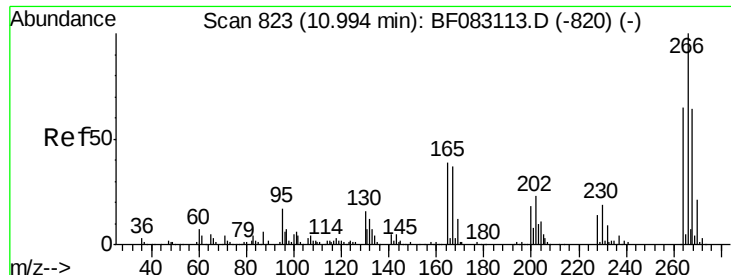
Mmdadoda
11/23/2015 7:01:47 PM



#68
Atrazine
Concen: 46.18 ng
RT: 10.89 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	328508		
173	27.3	7.2	47.2	
215	44.9	25.7	65.7	





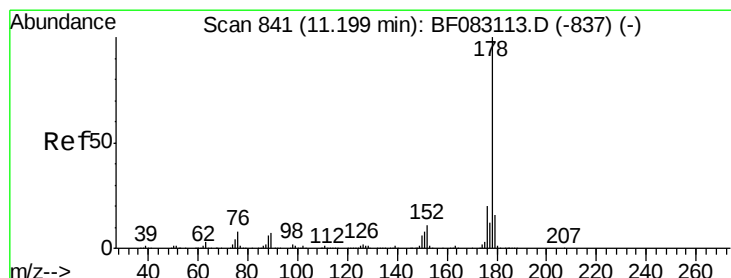
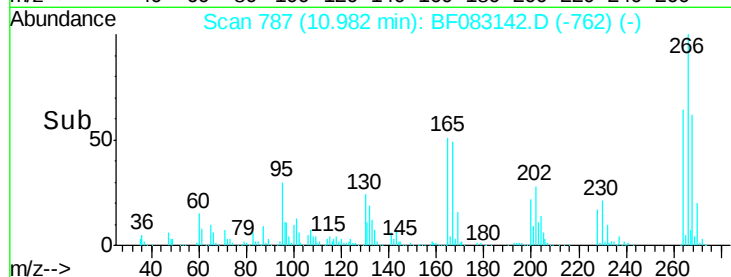
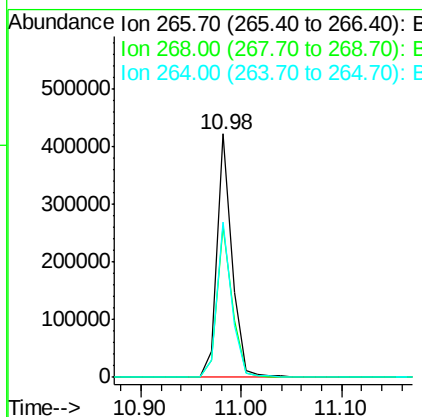
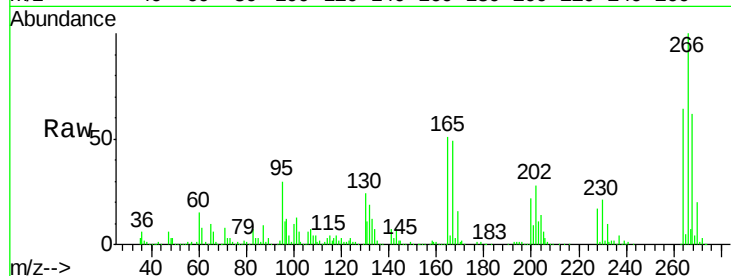
#69
 Pentachlorophenol
 Concen: 76.90 ng
 RT: 10.98 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.4	77.0
264	64.0	51.7	77.5

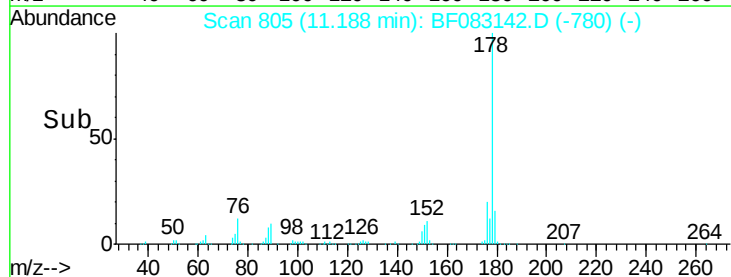
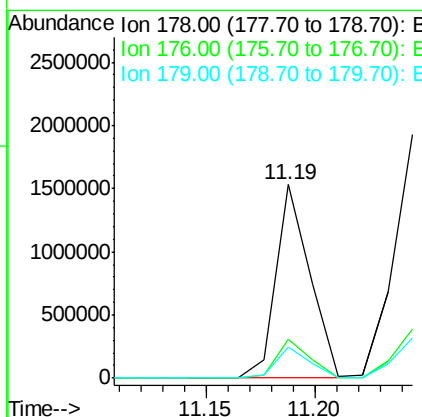
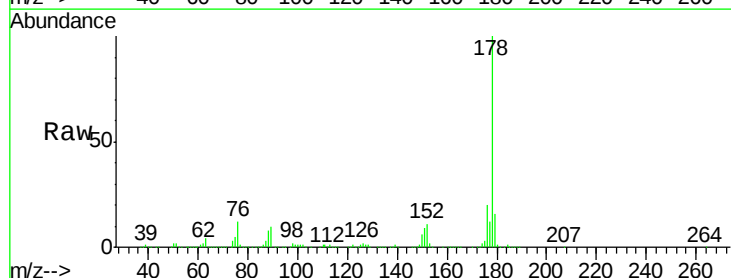
Manual Integrations
 APPROVED

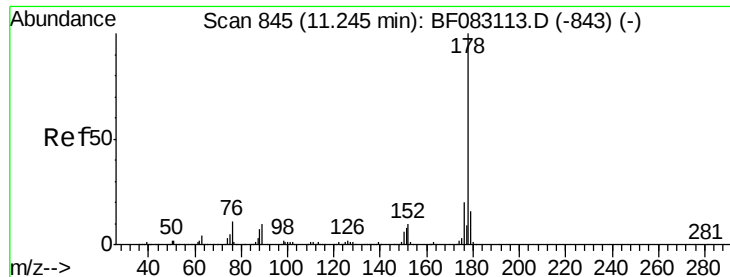
Mmdadoda
 11/23/2015 7:01:47 PM



#70
 Phenanthrene
 Concen: 40.37 ng
 RT: 11.19 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.2
179	16.3	12.8	19.2





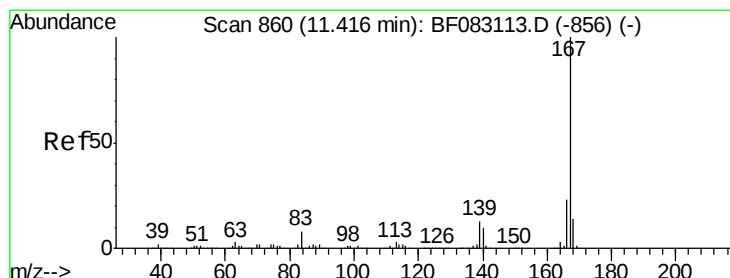
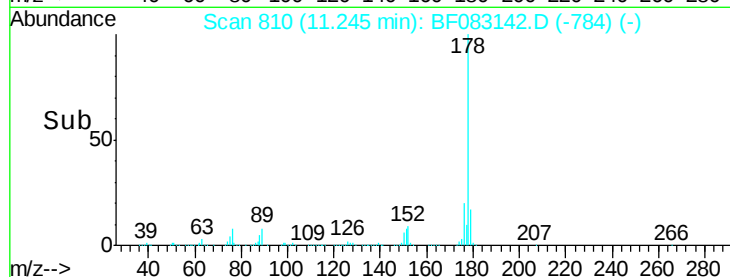
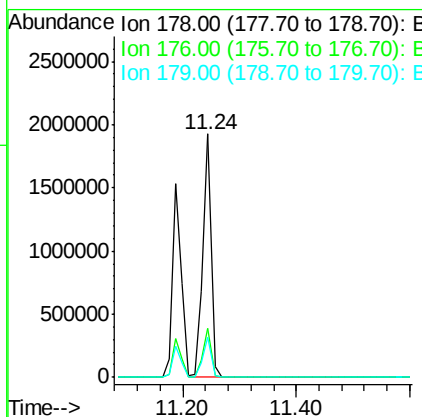
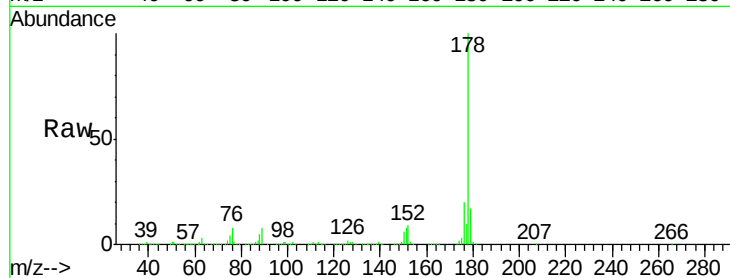
#71
 Anthracene
 Concen: 44.36 ng
 RT: 11.24 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion:178 Resp: 1877992
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.6 23.4
 179 16.7 13.2 19.8

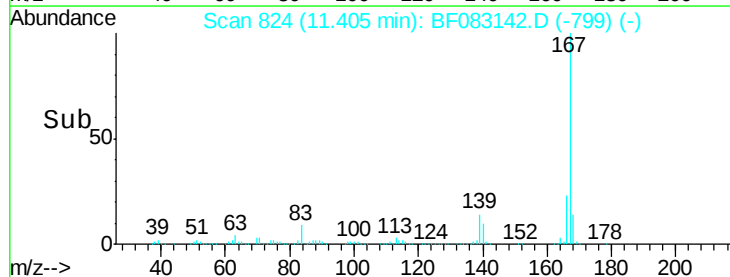
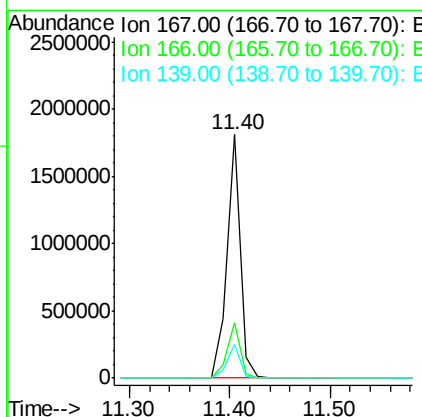
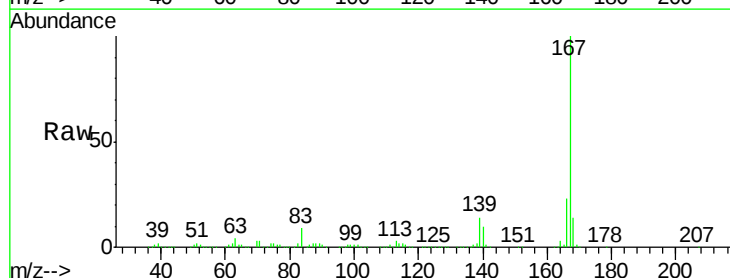
Manual Integrations
 APPROVED

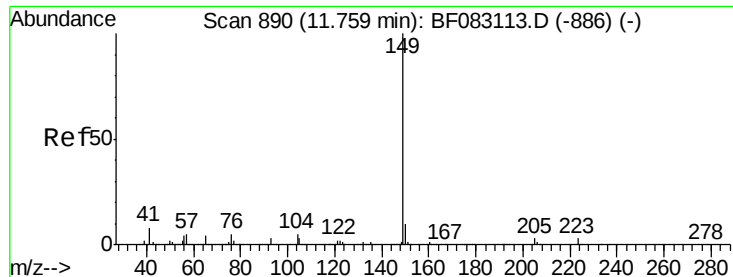
Mmdadoda
 11/23/2015 7:01:47 PM



#72
 Carbazole
 Concen: 44.55 ng
 RT: 11.40 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion:167 Resp: 1676331
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.0 27.0
 139 13.7 10.5 15.7





#73

Di-n-butylphthalate

Concen: 45.25 ng

RT: 11.75 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

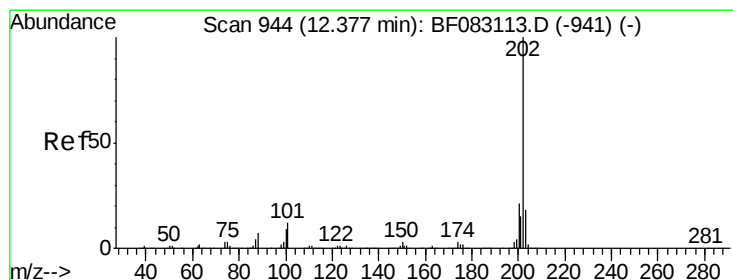
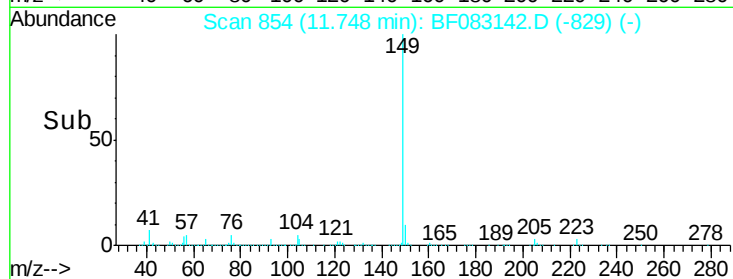
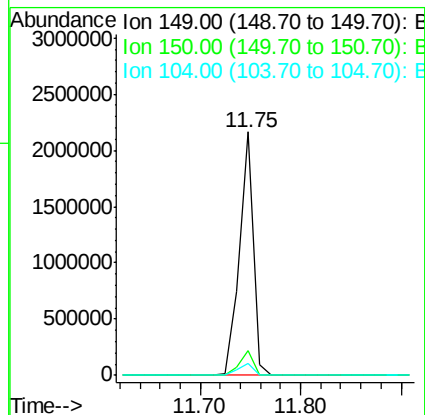
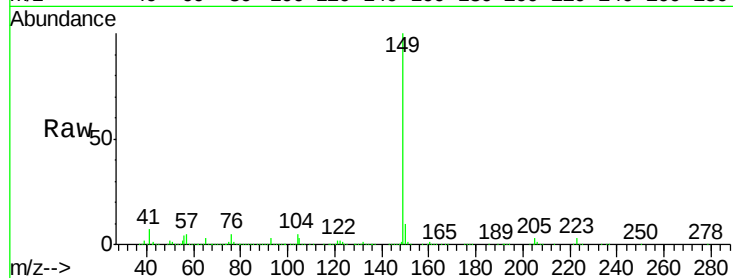
SB-23(7.5-9.5)MS

Manual Integrations
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11/23/2015 7:01:47 PM

Tot Ion:	149	Resp:	2078360
Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.0	12.0
104	5.1	4.4	6.6



#74

Fluoranthene

Concen: 43.38 ng

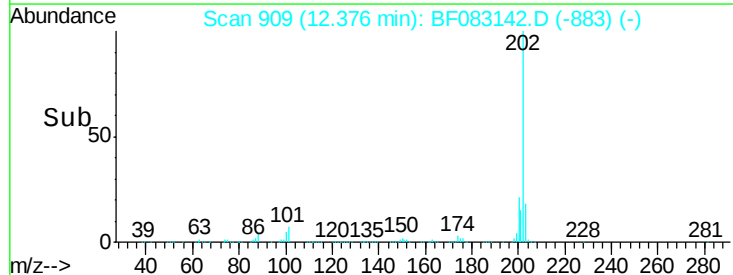
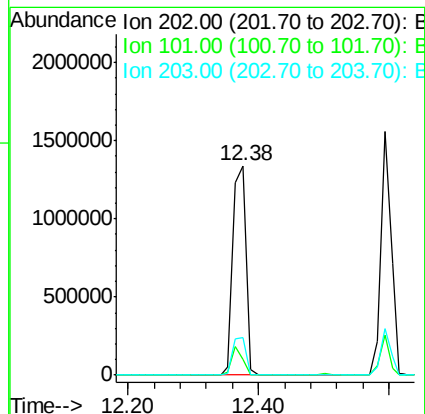
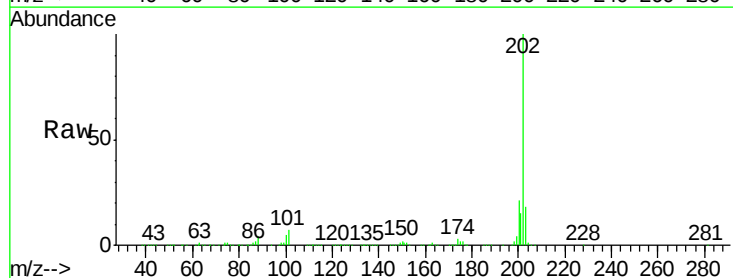
RT: 12.38 min Scan# 909

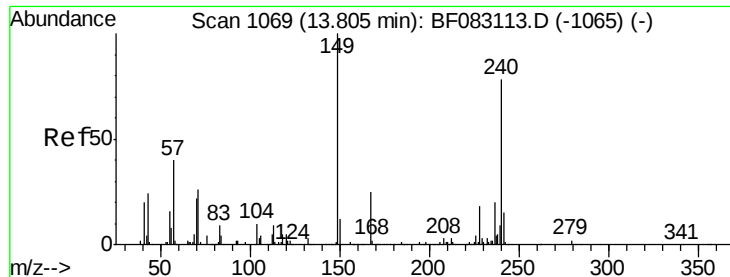
Delta R.T. -0.00 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	202	Resp:	1842422
Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	32.3
203	17.7	0.0	38.4





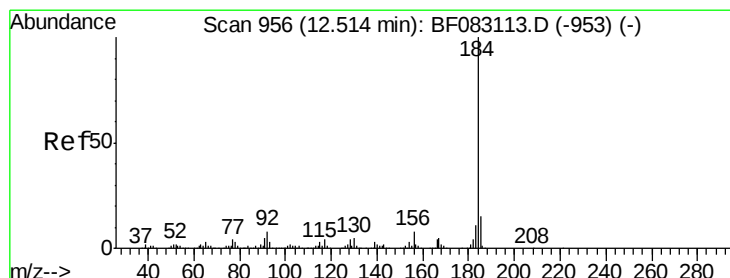
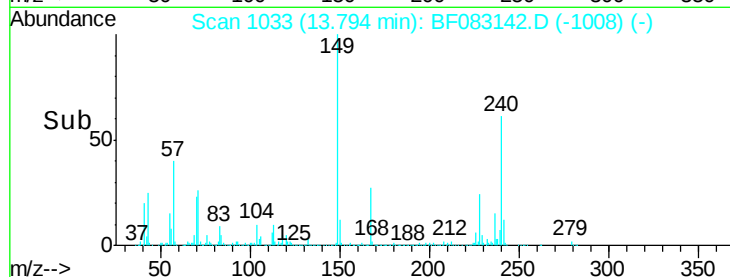
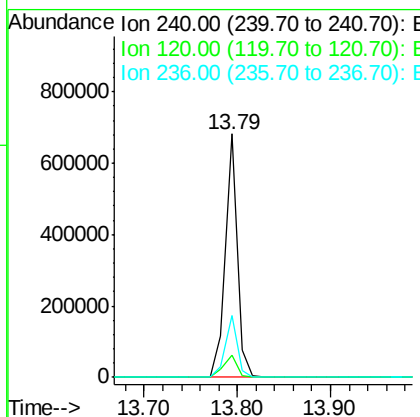
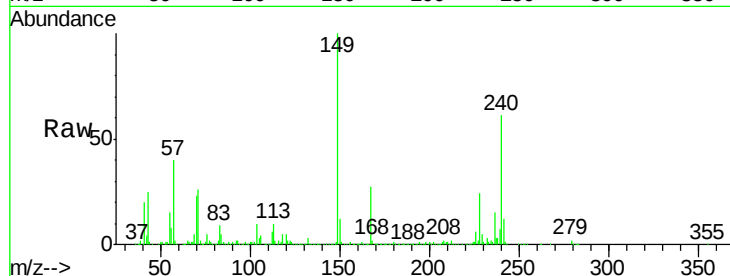
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	5.4	8.2#
236	25.5	20.6	31.0

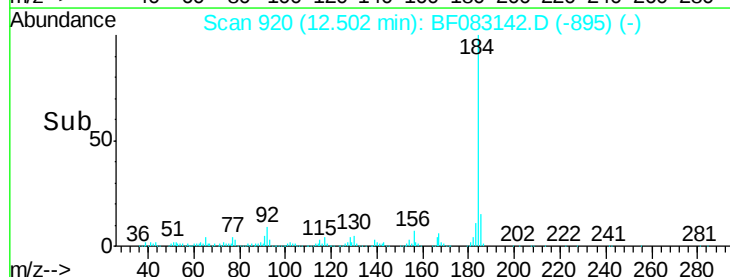
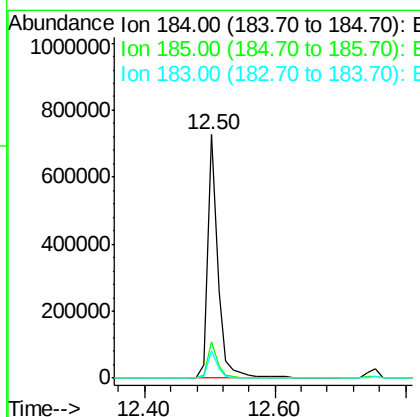
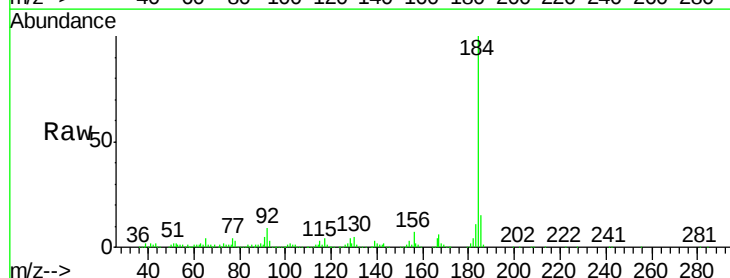
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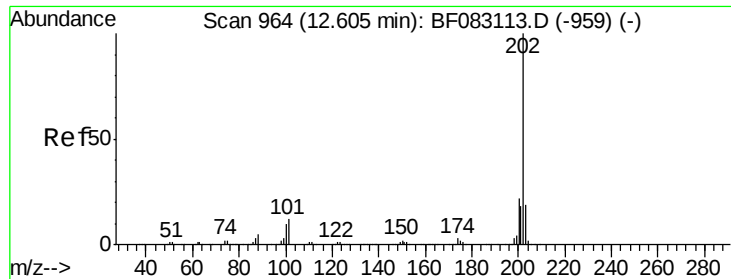
Mmdadoda
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#76
Benzidine
Concen: 49.87 ng
RT: 12.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.7	17.5
183	11.1	8.8	13.2





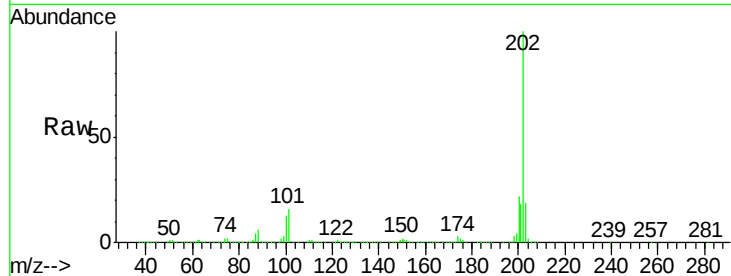
#77
Pvrene
Concen: 41.44 ng
RT: 12.59 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.8	26.6
203	19.0	15.0	22.4

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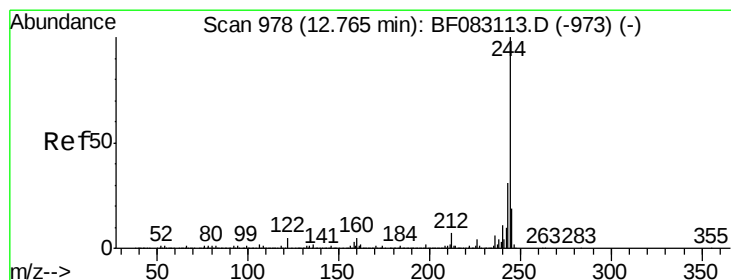
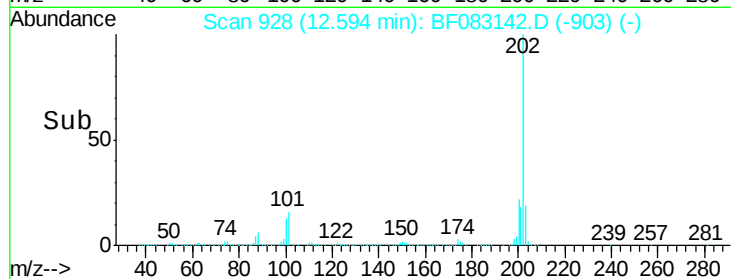
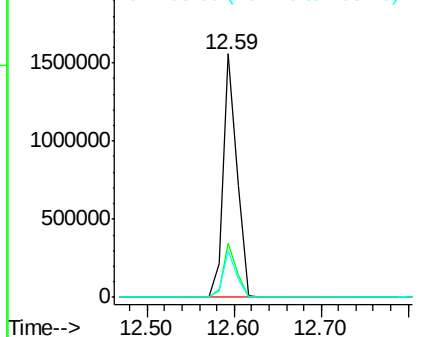


Abundance

Ion 202.00 (201.70 to 202.70): E

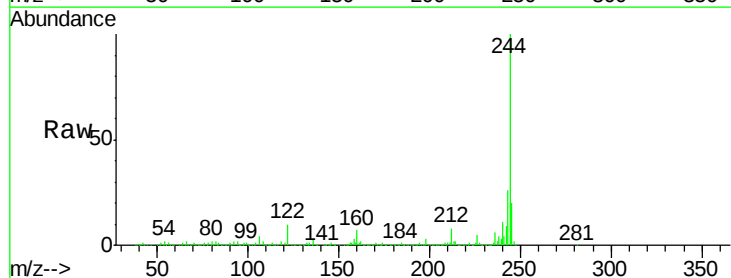
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 87.05 ng
RT: 12.75 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.4	8.2
122	9.9	4.3	6.5#

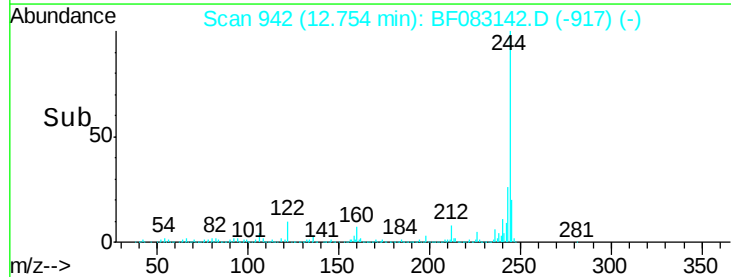
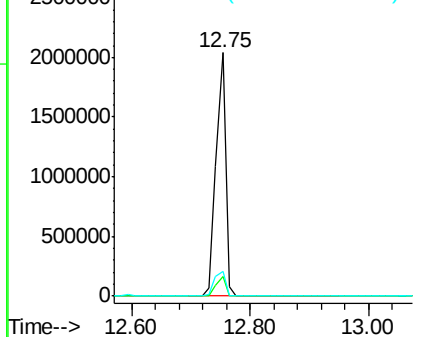


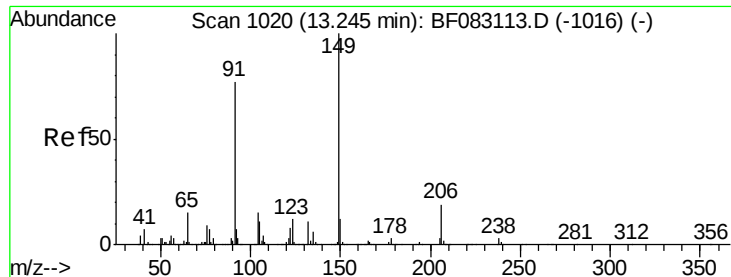
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





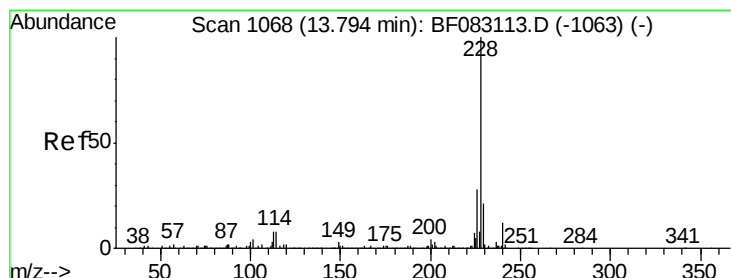
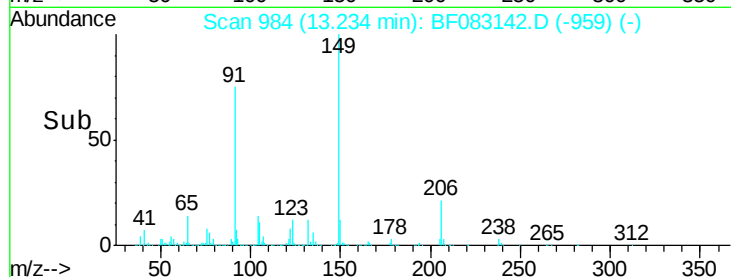
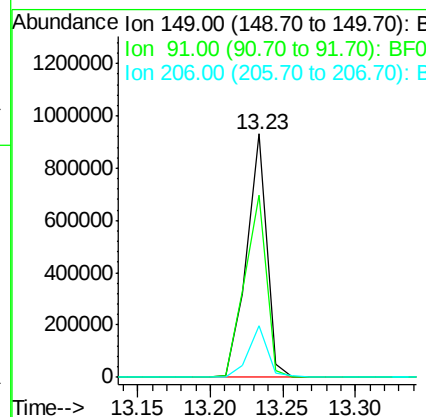
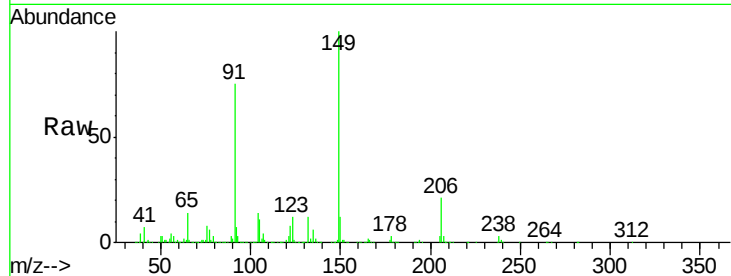
#79
Butylbenzylphthalate
Concen: 45.65 ng
RT: 13.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	898433		
91	74.9	61.5	92.3	
206	21.0	15.3	22.9	

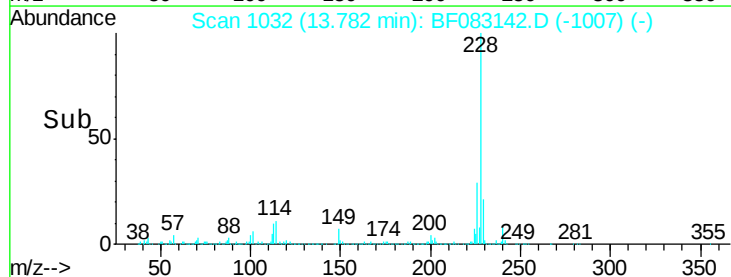
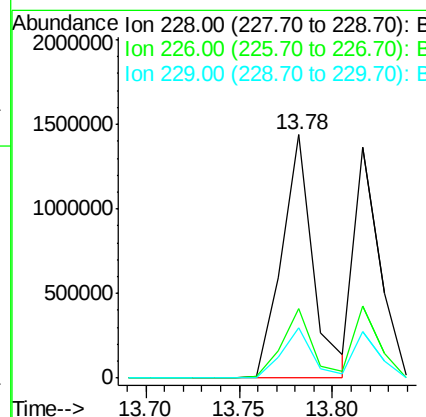
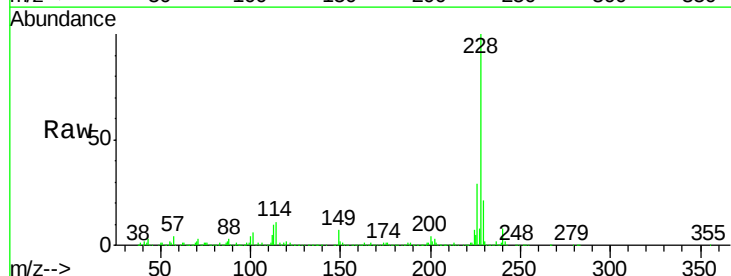
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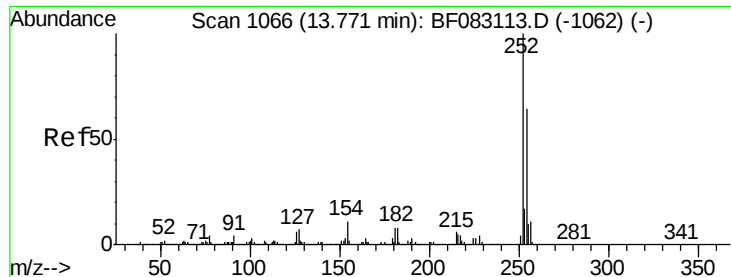
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#80
Benzo(a)anthracene
Concen: 44.58 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1678399		
226	28.6	22.6	33.8	
229	20.8	16.6	24.8	





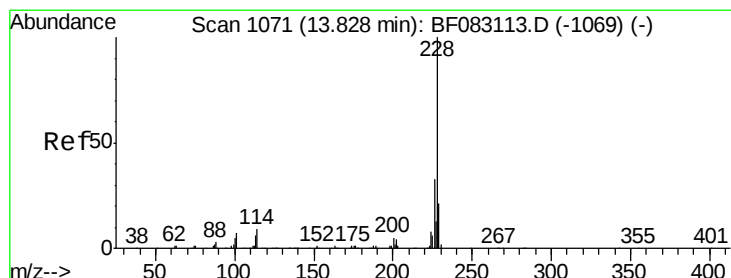
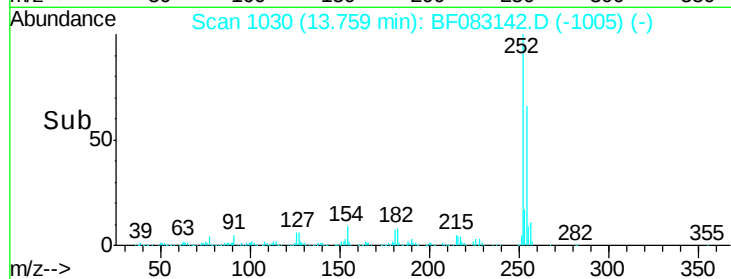
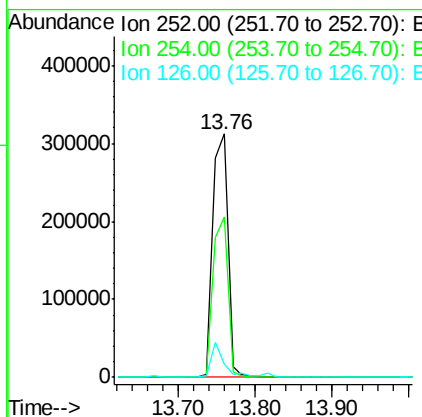
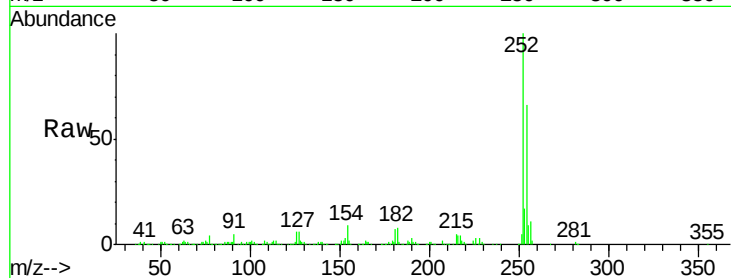
#81
 3,3'-Dichlorobenzidine
 Concen: 32.64 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.5	77.3
126	5.5	5.2	7.8

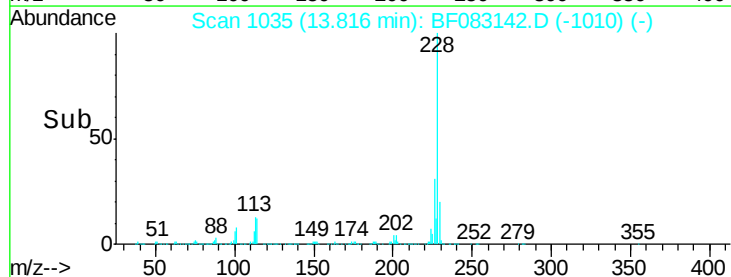
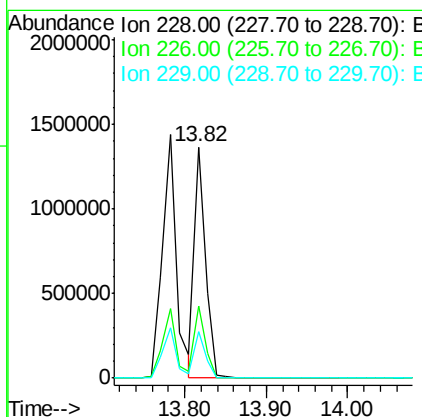
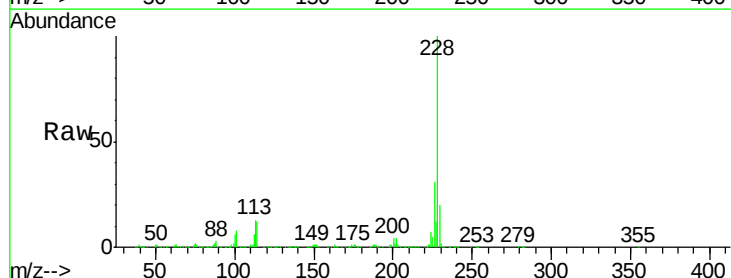
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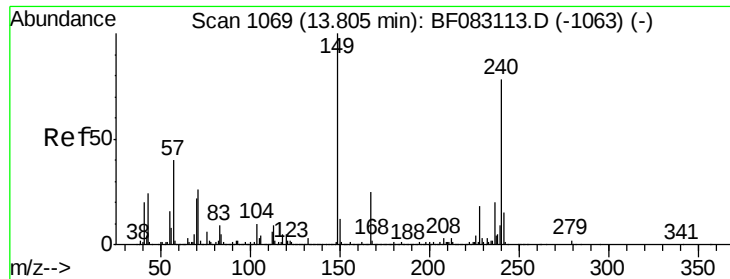
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#82
 Chrysene
 Concen: 37.42 ng
 RT: 13.82 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.5	38.3
229	20.3	16.6	25.0





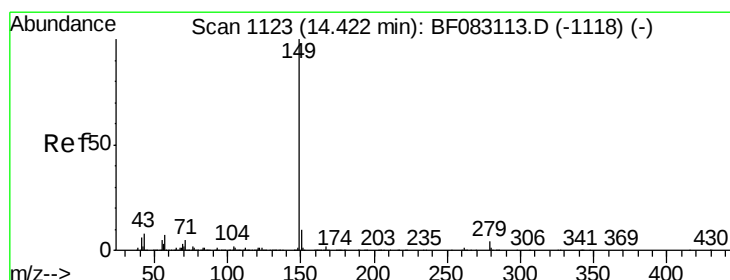
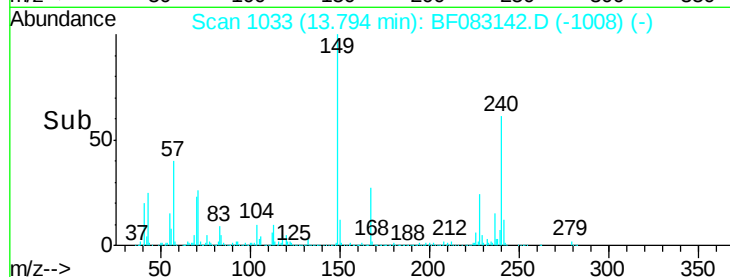
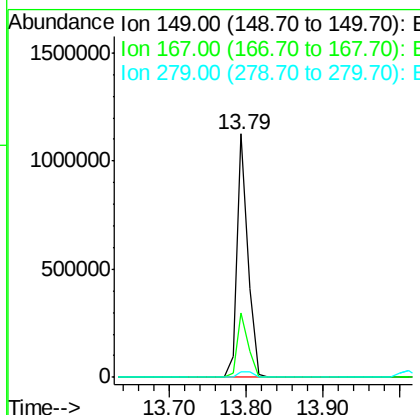
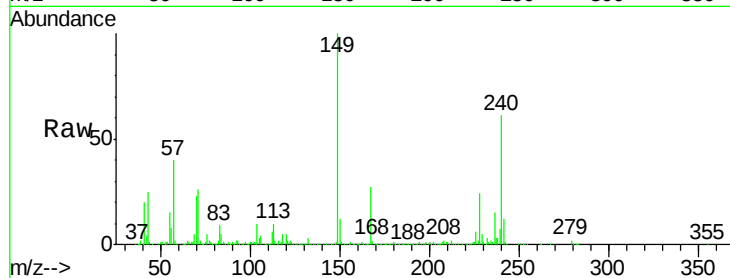
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.31 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.1	30.1
279	2.4	1.7	2.5

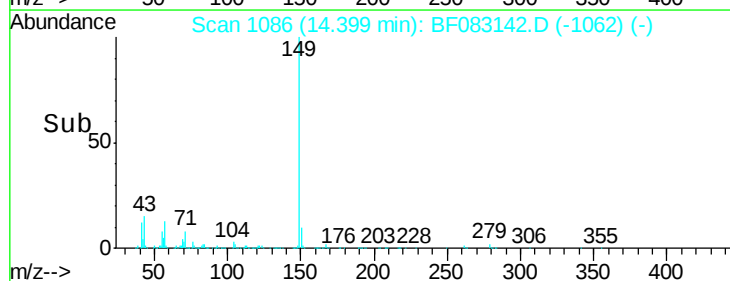
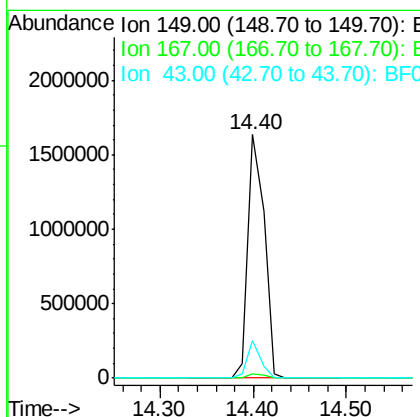
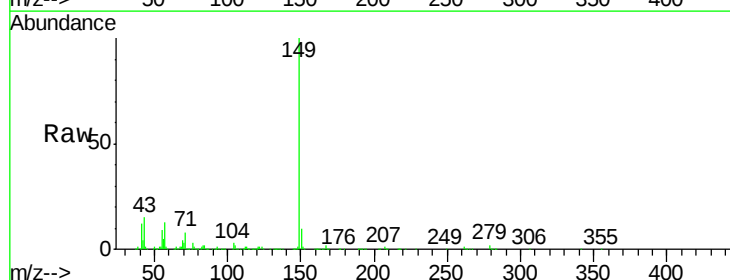
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#84
 Di-n-octyl phthalate
 Concen: 44.79 ng
 RT: 14.40 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF083142.D
 Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	12.5	9.5	14.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.77 ng

RT: 16.42 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:276 Resp: 1326379

Ion Ratio Lower Upper

276 100

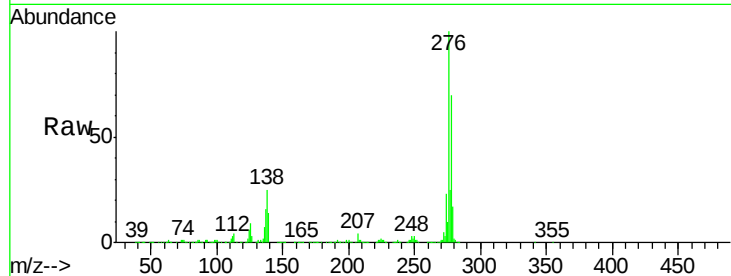
138 25.1 18.0 27.0

277 24.9 20.2 30.4

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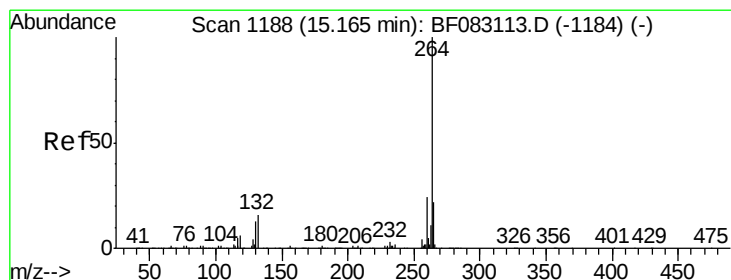
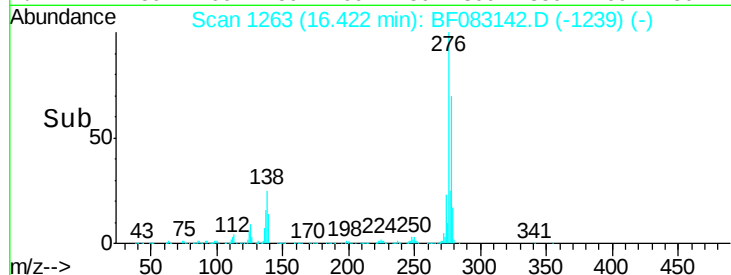
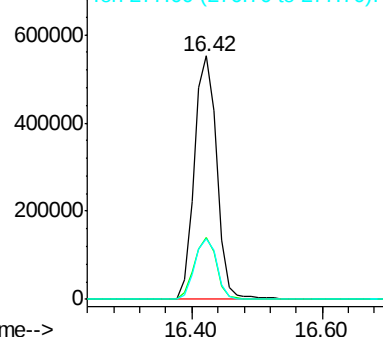
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

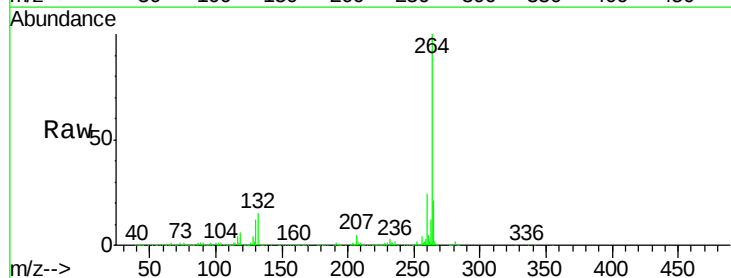
Tgt Ion:264 Resp: 524633

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

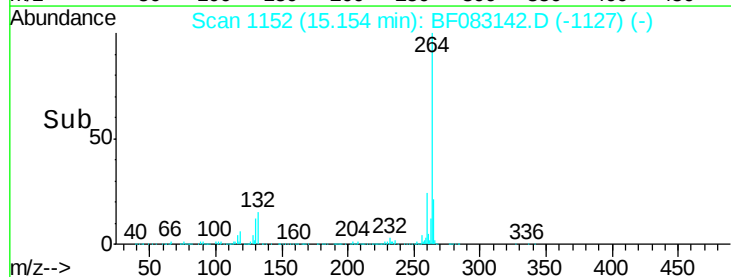
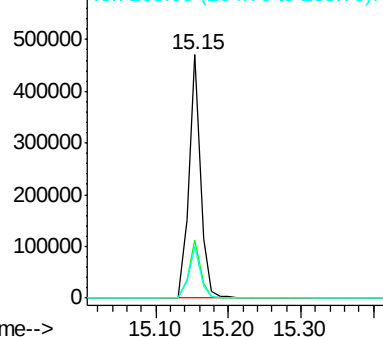
265 21.2 18.2 27.4

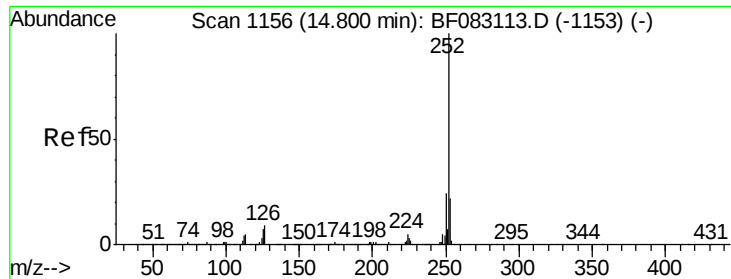


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.35 ng m

RT: 14.79 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Instrument :

BNA_F

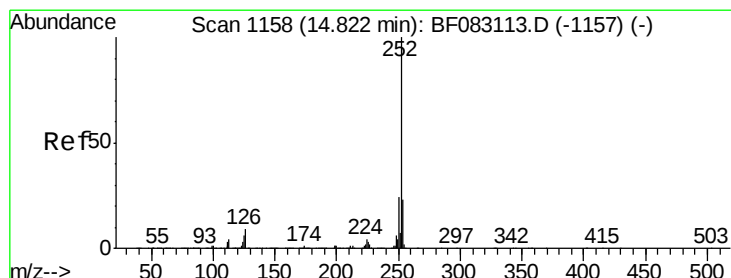
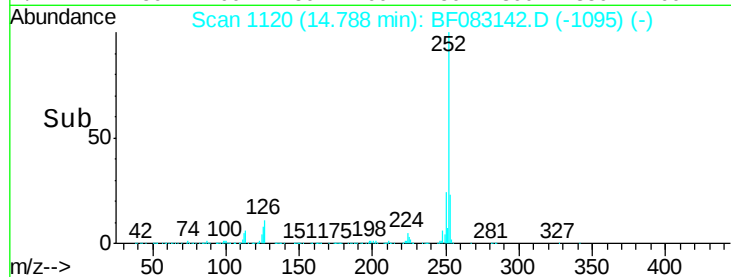
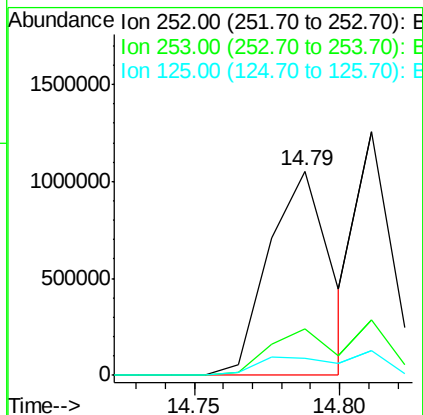
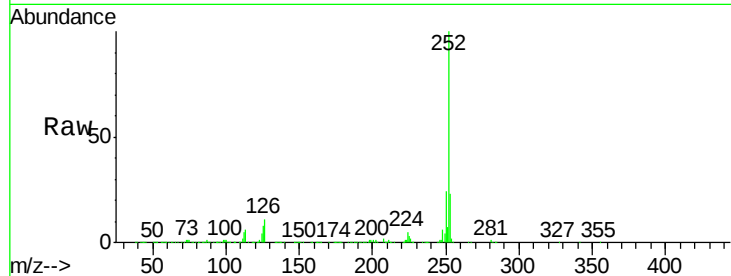
ClientSampleId :

SB-23(7.5-9.5)MS

Tot Ion:	252	Resp:	1553811
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	8.2	5.6	8.4

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#88

Benzo(k)fluoranthene

Concen: 39.54 ng m

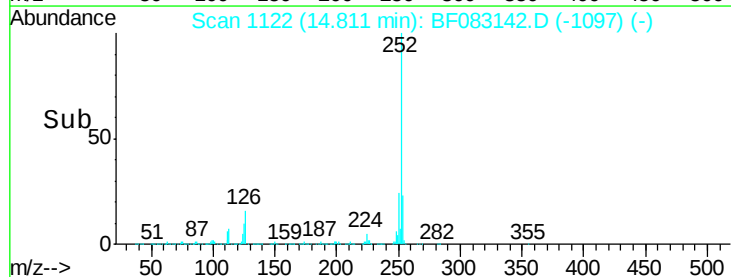
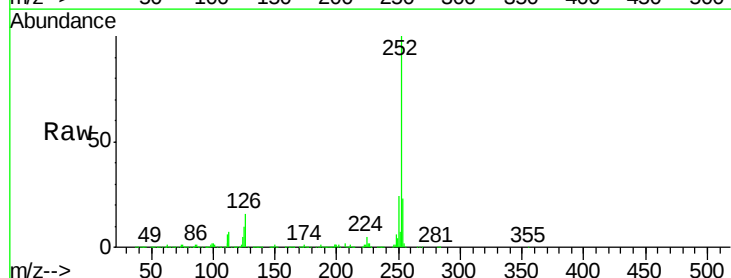
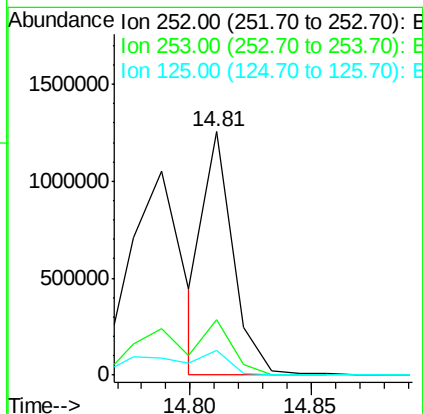
RT: 14.81 min Scan# 1122

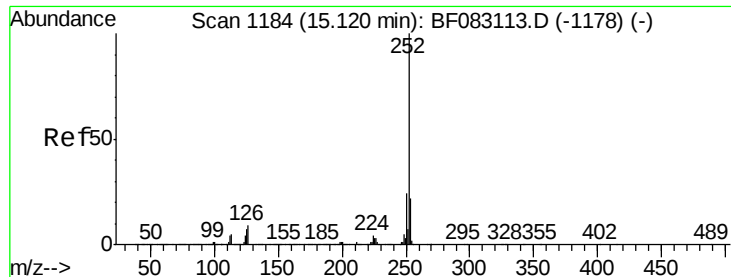
Delta R.T. -0.01 min

Lab File: BF083142.D

Acq: 22 Nov 2015 6:59

Tgt Ion:	252	Resp:	1055996
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.2
125	10.4	6.8	10.2#





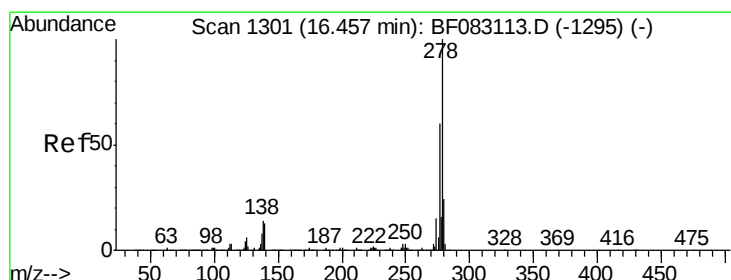
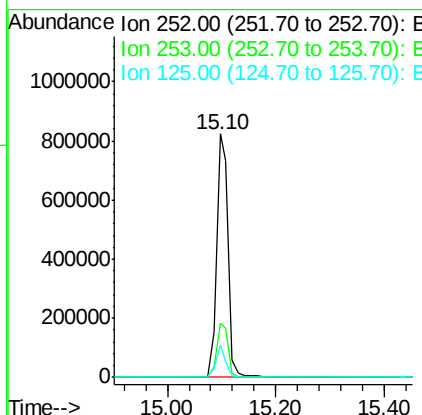
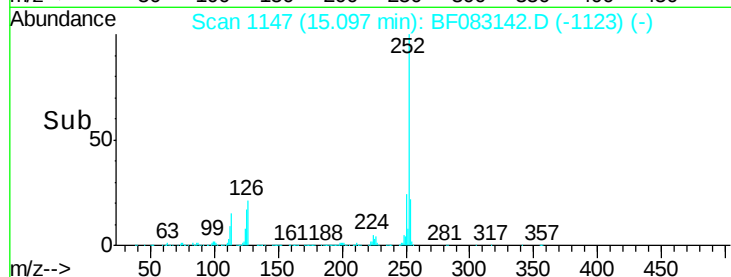
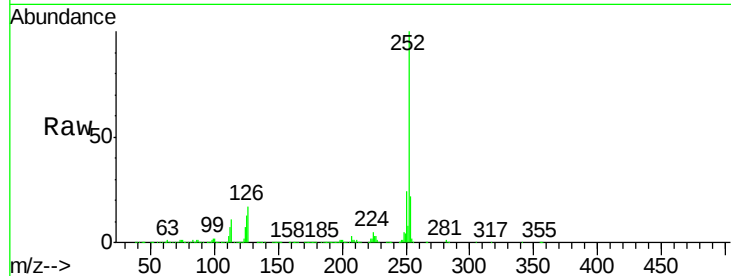
#89
Benzo(a)pyrene
Concen: 41.89 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.2	5.4	8.0

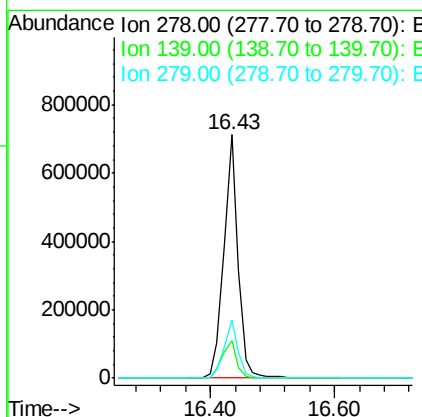
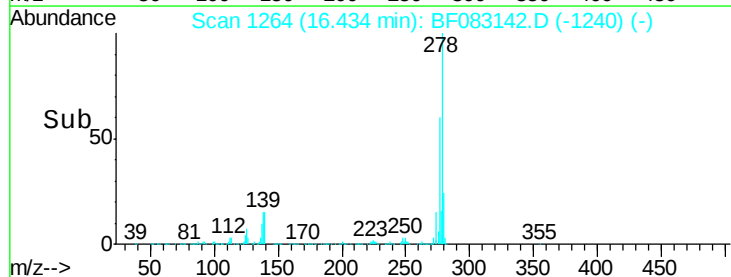
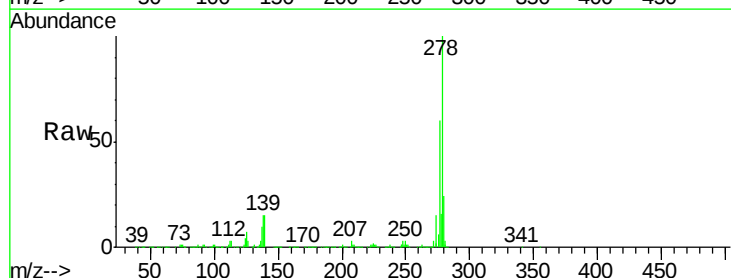
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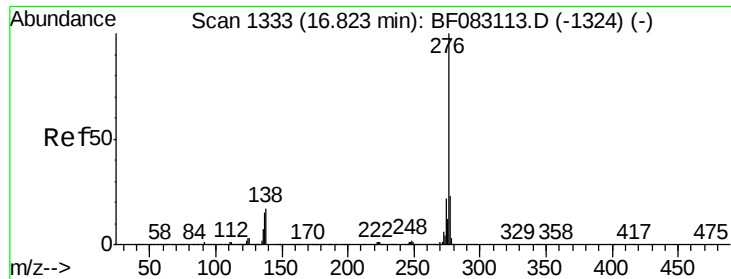
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#90
Dibenzo(a,h)anthracene
Concen: 41.92 ng
RT: 16.43 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	10.7	16.1
279	23.7	19.3	28.9





#91
Benzo(a,h,i)perylene
Concen: 41.88 ng
RT: 16.80 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF083142.D
Acq: 22 Nov 2015 6:59

Instrument :
BNA_F
ClientSampleId :
SB-23(7.5-9.5)MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	21.2	13.9	20.9

Manual Integrations
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