

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083143.D
 Acq On : 22 Nov 2015 7:28
 Operator : UM/IZ
 Sample : G4505-04MSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 11/23/2015 7:01:48 PM

Quant Time: Nov 23 03:09:31 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	202319	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	777222	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	399116	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	726743	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	595011	20.00	ng	-0.01
86) Perylene-d12	15.15	264	538131	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1612908	120.53	ng	-0.01
7) Phenol-d6	6.33	99	2302154	132.96	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1446288	85.03	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	450968	110.44	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	2225259	77.75	ng	0.00
78) Terphenyl-d14	12.75	244	2140930	84.73	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	238519	35.98	ng	# 94
3) Pyridine	2.91	79	702142	40.10	ng	99
4) n-Nitrosodimethylamine	2.83	42	338102	41.87	ng	96
6) Aniline	6.33	93	473770	22.39	ng	# 22
8) 2-Chlorophenol	6.44	128	605259	41.86	ng	99
9) Benzaldehyde	6.19	77	440566	58.17	ng	93
10) Phenol	6.34	94	881233	42.07	ng	# 73
11) bis(2-Chloroethyl)ether	6.40	93	632228	42.27	ng	96
12) 1,3-Dichlorobenzene	6.59	146	659081m	39.92	ng	
13) 1,4-Dichlorobenzene	6.67	146	666869	39.93	ng	94
14) 1,2-Dichlorobenzene	6.82	146	568754	37.47	ng	95
15) Benzyl Alcohol	6.82	79	608892	42.08	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1063735	45.61	ng	77
17) 2-Methylphenol	6.95	107	509866	42.62	ng	98
18) Hexachloroethane	7.16	117	232104	39.46	ng	89
19) n-Nitroso-di-n-propylamine	7.08	70	501259	41.60	ng	100
20) 3+4-Methylphenols	7.10	107	686274	45.38	ng	94
22) Acetophenone	7.07	105	895049	40.11	ng	# 99
24) Nitrobenzene	7.24	77	732388	40.30	ng	99
25) Isophorone	7.50	82	1353612	42.03	ng	99
26) 2-Nitrophenol	7.56	139	340347	42.42	ng	95
27) 2,4-Dimethylphenol	7.62	122	537040	41.94	ng	96
28) bis(2-Chloroethoxy)methane	7.71	93	788712	42.12	ng	99
29) 2,4-Dichlorophenol	7.82	162	553043	45.41	ng	98
30) 1,2,4-Trichlorobenzene	7.88	180	528859	39.53	ng	97
31) Naphthalene	7.96	128	1719903	41.00	ng	98
32) Benzoic acid	7.74	122	66705	6.70	ng	95
33) 4-Chloroaniline	8.02	127	188831	11.60	ng	98
34) Hexachlorobutadiene	8.09	225	315057	39.85	ng	98
35) Caprolactam	8.42	113	191044m	48.95	ng	
36) 4-Chloro-3-methylphenol	8.52	107	606588	43.00	ng	89
37) 2-Methylnaphthalene	8.65	142	1103704	40.54	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.82	216	497998	38.50	ng	# 97
40) Hexachlorocyclopentadiene	8.81	237	500610	68.06	ng	97

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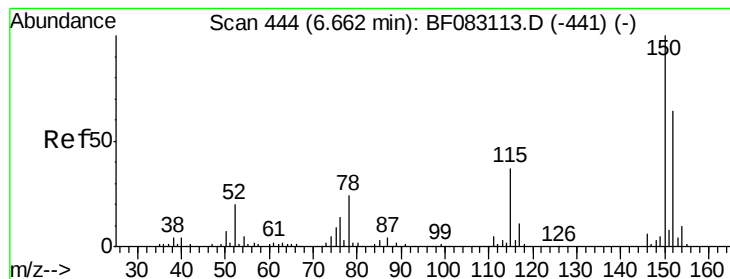
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	380570	41.08	nq	98
43) 2,4,5-Trichlorophenol	8.99	196	389535	41.12	nq	98
45) 1,1'-Biphenyl	9.12	154	1302345	38.34	nq	97
46) 2-Chloronaphthalene	9.14	162	1079805	40.47	nq	95
47) 2-Nitroaniline	9.24	65	383916	40.68	nq	99
48) Acenaphthylene	9.55	152	1623402	39.26	nq	99
49) Dimethylphthalate	9.44	163	1647330	53.61	nq	99
50) 2,6-Dinitrotoluene	9.48	165	274179	39.77	nq	96
51) Acenaphthene	9.72	154	981402	39.00	nq	100
52) 3-Nitroaniline	9.66	138	143206	19.48	nq	# 65
53) 2,4-Dinitrophenol	9.76	184	183013	46.07	nq	94
54) Dibenzofuran	9.90	168	1396615	39.25	nq	96
55) 4-Nitrophenol	9.85	139	424672	75.34	nq	96
56) 2,4-Dinitrotoluene	9.88	165	358186	41.00	nq	93
57) Fluorene	10.24	166	1176874	40.02	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.02	232	320188	41.20	nq	99
59) Diethylphthalate	10.14	149	1270439	41.54	nq	99
60) 4-Chlorophenyl-phenylether	10.24	204	529047	39.28	nq	# 80
61) 4-Nitroaniline	10.27	138	267031	36.90	nq	90
62) Azobenzene	10.39	77	1426893	40.87	nq	97
64) 4,6-Dinitro-2-methylphenol	10.30	198	197339	39.41	nq	80
65) n-Nitrosodiphenylamine	10.35	169	959272	38.81	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	335480	41.60	nq	# 90
67) Hexachlorobenzene	10.78	284	356144	40.10	nq	# 87
68) Atrazine	10.89	200	308020	42.91	nq	99
69) Pentachlorophenol	10.98	266	414809	71.71	nq	99
70) Phenanthrene	11.19	178	1599414	38.20	nq	99
71) Anthracene	11.24	178	1823520	42.69	nq	99
72) Carbazole	11.40	167	1607361	42.33	nq	99
73) Di-n-butylphthalate	11.75	149	1942595	41.91	nq	99
74) Fluoranthene	12.37	202	1705102	39.79	nq	98
76) Benzidine	12.50	184	739459	47.42	nq	99
77) Pyrene	12.59	202	1610664	39.62	nq	99
79) Butylbenzylphthalate	13.23	149	839868	43.66	nq	97
80) Benzo(a)anthracene	13.78	228	1510889	41.06	nq	99
81) 3,3'-Dichlorobenzidine	13.75	252	348776	27.23	nq	# 97
82) Chrysene	13.82	228	1333279m	39.07	nq	
83) Bis(2-ethylhexyl)phthalate	13.79	149	1098790	43.73	nq	97
84) Di-n-octyl phthalate	14.40	149	1850810	42.79	nq	98
85) Indeno(1,2,3-cd)pyrene	16.42	276	1275381	41.09	nq	98
87) Benzo(b)fluoranthene	14.79	252	1562499m	42.49	nq	
88) Benzo(k)fluoranthene	14.81	252	986430m	36.01	nq	
89) Benzo(a)pyrene	15.10	252	1210473	39.88	nq	# 96
90) Dibenzo(a,h)anthracene	16.43	278	1077690	39.08	nq	100
91) Benzo(g,h,i)perylene	16.80	276	1044723	38.81	nq	98

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



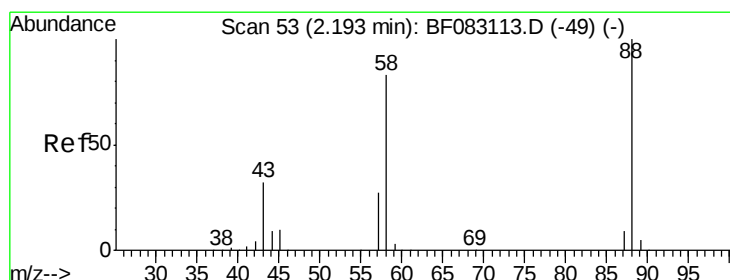
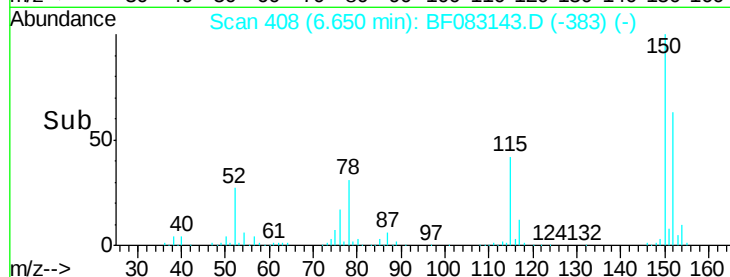
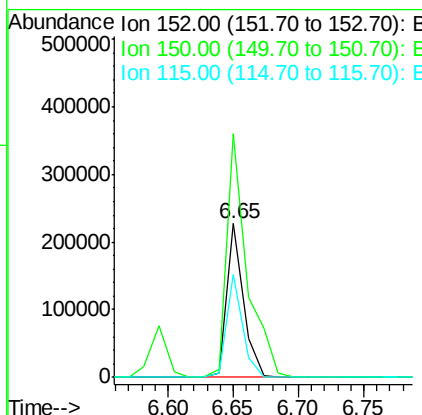
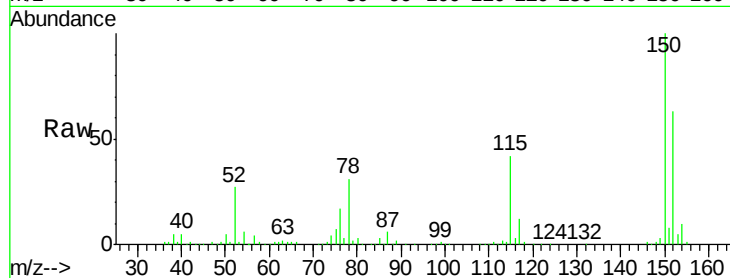
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	202319		
150	158.5	125.8	188.8	
115	66.6	46.9	70.3	

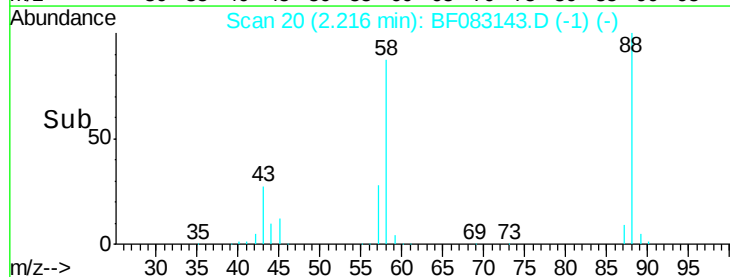
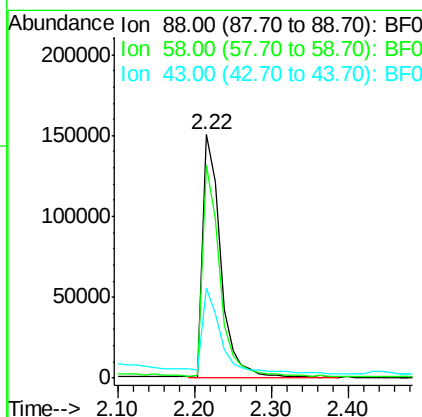
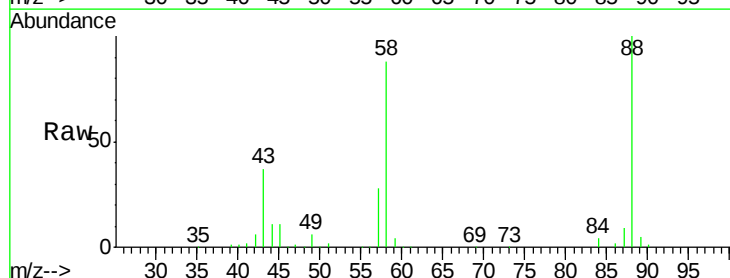
Manual Integrations
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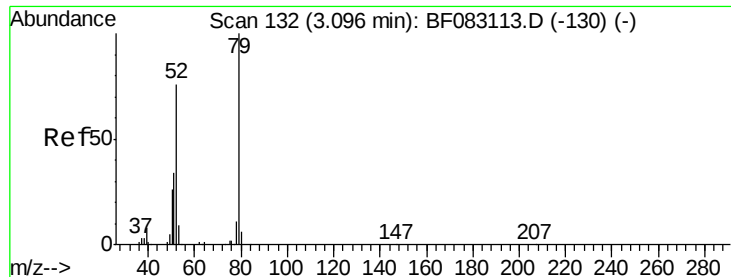
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#2
 1,4-Dioxane
 Concen: 35.98 ng
 RT: 2.22 min Scan# 20
 Delta R.T. 0.02 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	238519		
58	84.4	65.0	97.6	
43	38.7	24.7	37.1	





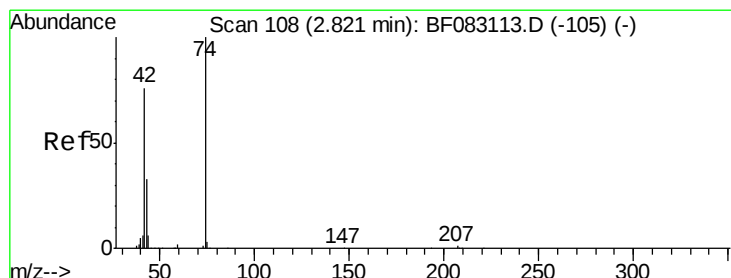
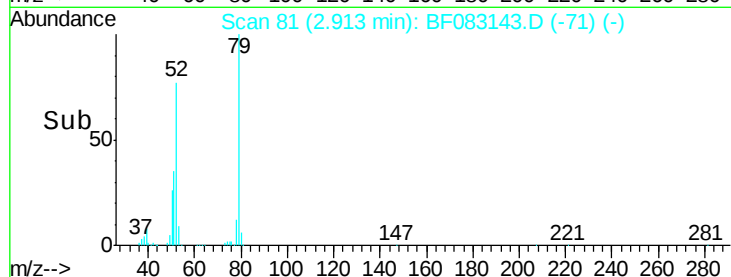
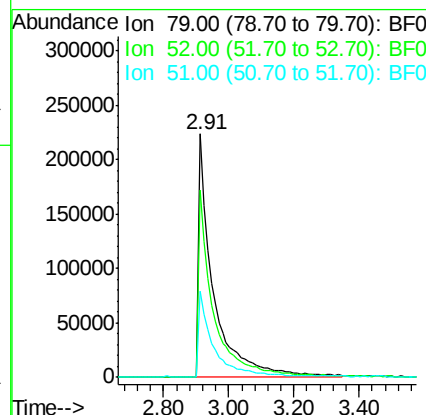
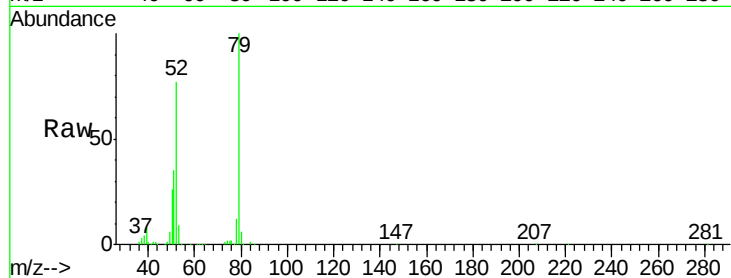
#3
 Pvridine
 Concen: 40.10 ng
 RT: 2.91 min Scan# 81
 Delta R.T. -0.18 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	76.9	60.7	91.1
51	35.3	27.9	41.9

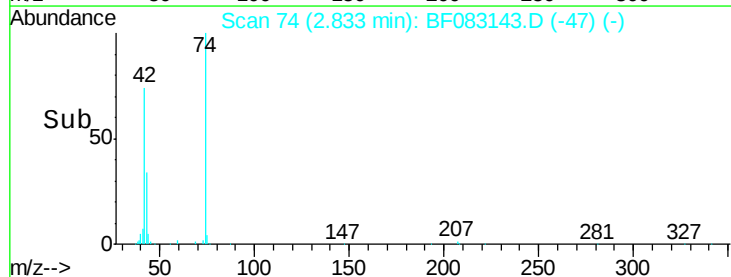
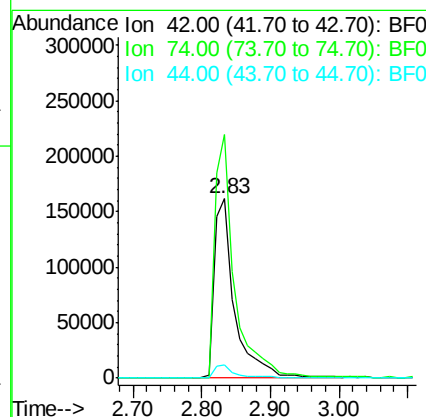
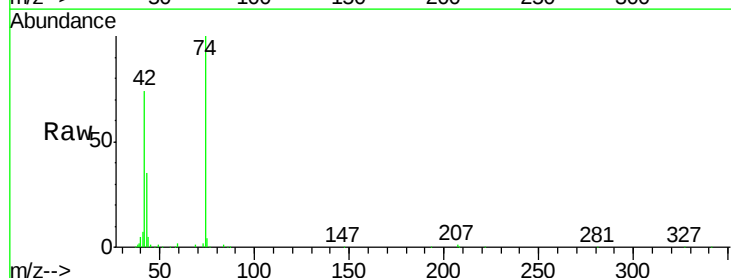
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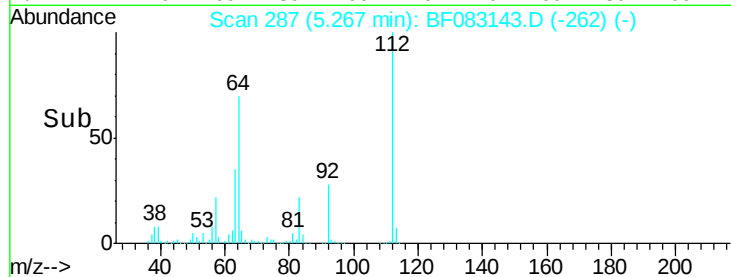
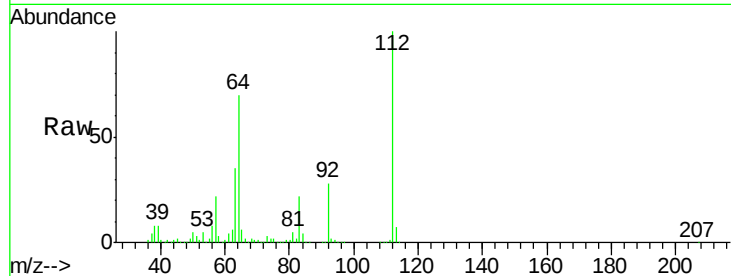
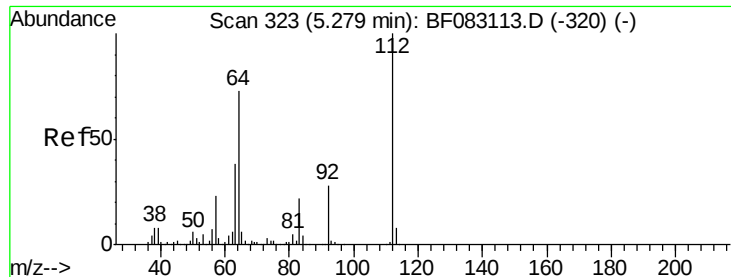
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#4
 n-Nitrosodimethylamine
 Concen: 41.87 ng
 RT: 2.83 min Scan# 74
 Delta R.T. 0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.8	104.8	157.2
44	7.1	6.2	9.4





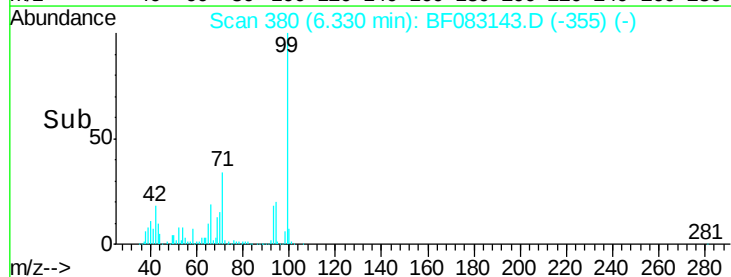
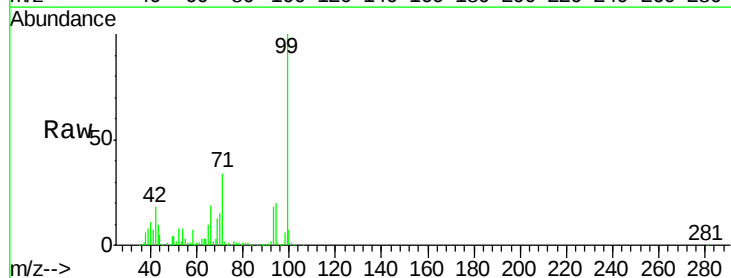
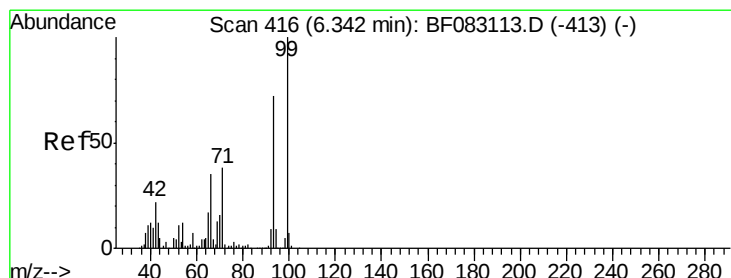
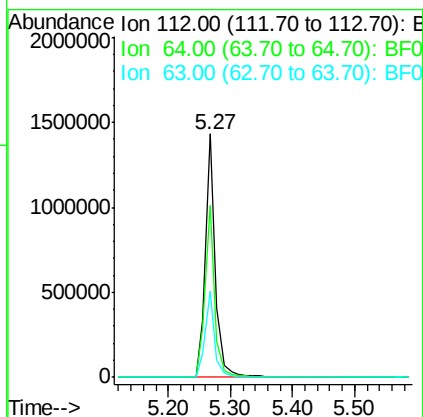
#5
2-Fluorophenol
Concen: 120.53 ng
RT: 5.27 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tot Ion	Ratio	Lower	Upper
112	100		
64	70.4	58.4	87.6
63	35.4	30.0	45.0

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

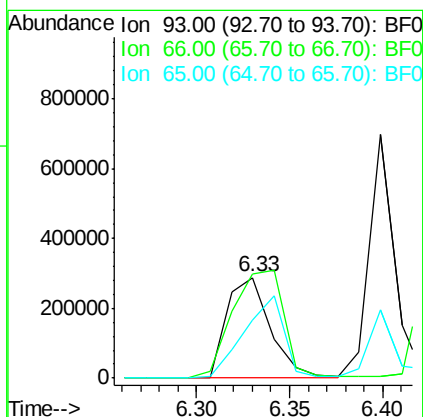
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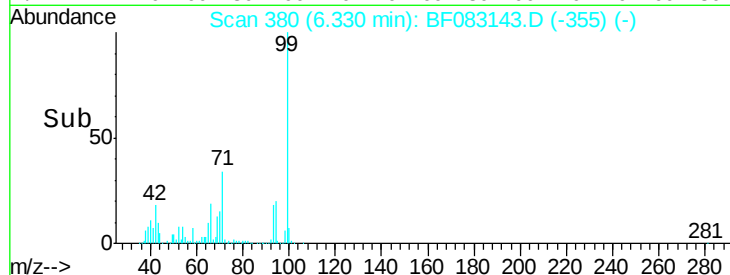
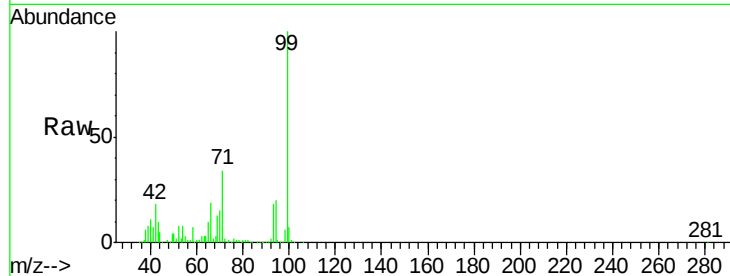
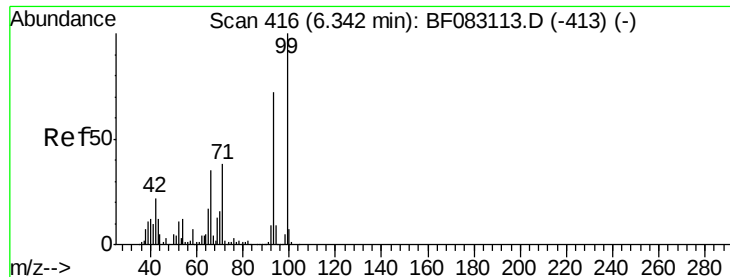
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#6
Aniline
Concen: 22.39 ng
RT: 6.33 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
93	100		
66	103.4	38.7	58.1#
65	57.3	18.6	27.8#





#7

Phenol-d6

Concen: 132.96 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tot Ion: 99 Resp: 2302154

Ion Ratio Lower Upper

99 100

42 18.1 17.7 26.5

71 34.0 30.2 45.4

Instrument :

BNA_F

ClientSampleId :

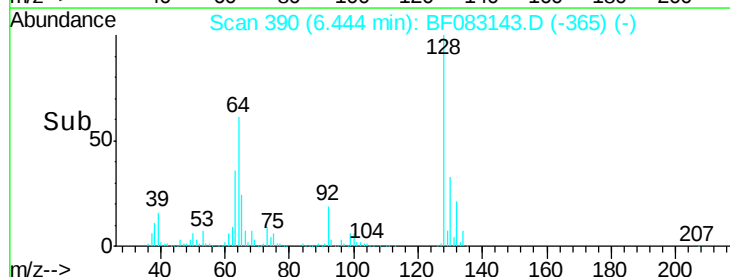
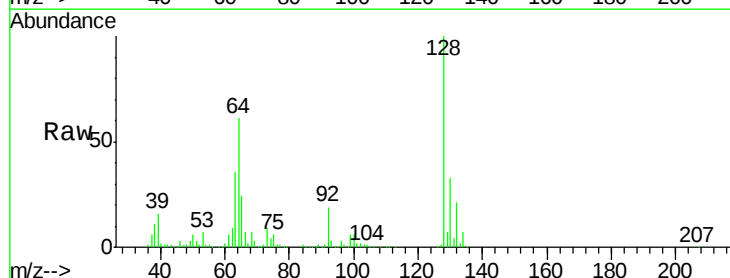
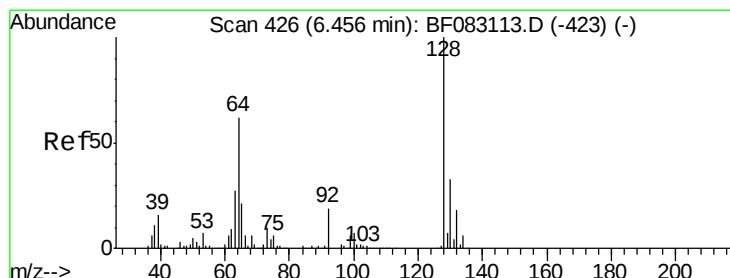
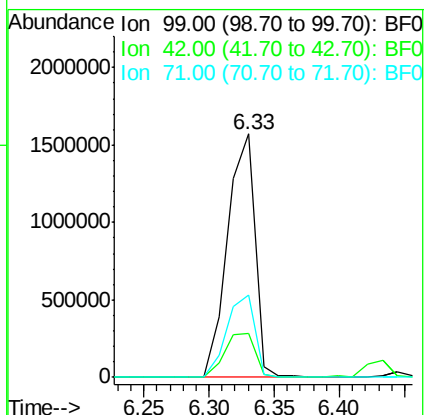
SB-23(7.5-9.5)MSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 41.86 ng

RT: 6.44 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

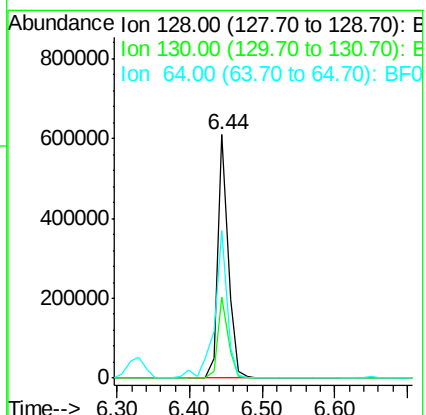
Tgt Ion:128 Resp: 605259

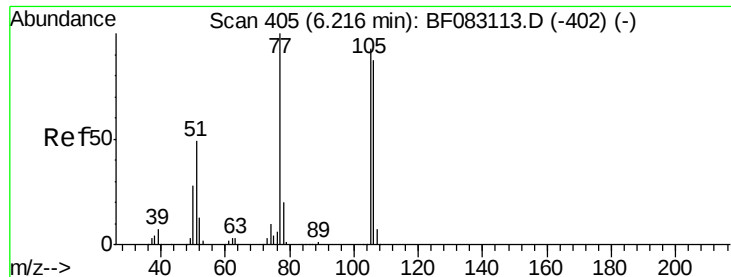
Ion Ratio Lower Upper

128 100

130 33.3 12.6 52.6

64 60.7 41.9 81.9





#9

Benzaldehyde

Concen: 58.17 ng

RT: 6.19 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF083143.D

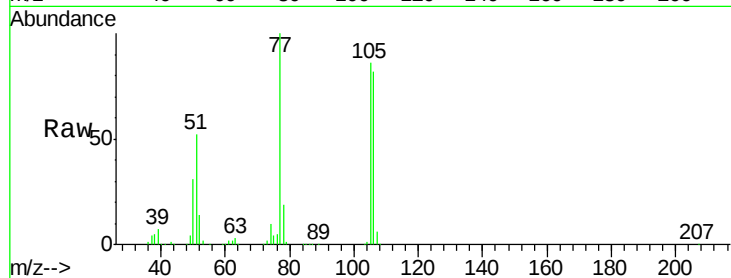
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Instrument :

BNA_F

ClientSampleId :

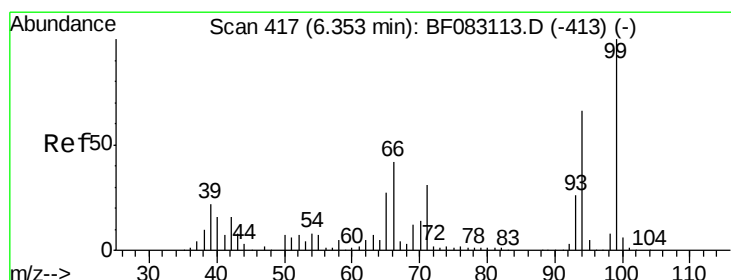
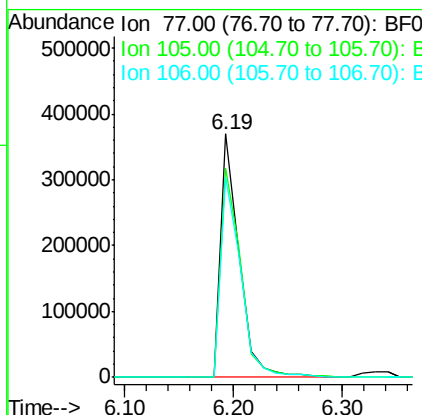
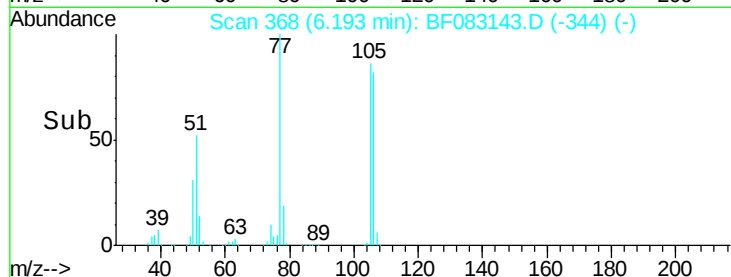
SB-23(7.5-9.5)MSD



Tot Ion:	77	Resp:	440566
Ion Ratio	Lower	Upper	
77	100		
105	85.6	73.4	113.4
106	81.9	67.5	107.5

Manual Integrations
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#10

Phenol

Concen: 42.07 ng

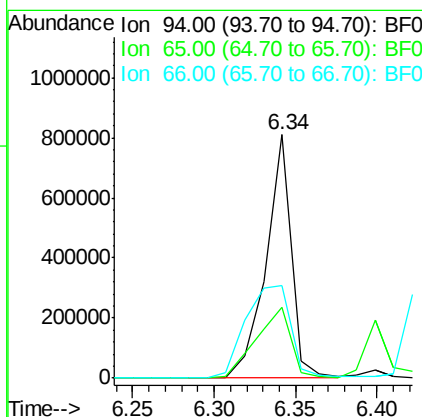
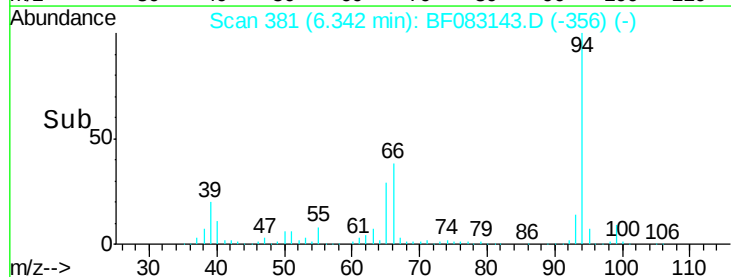
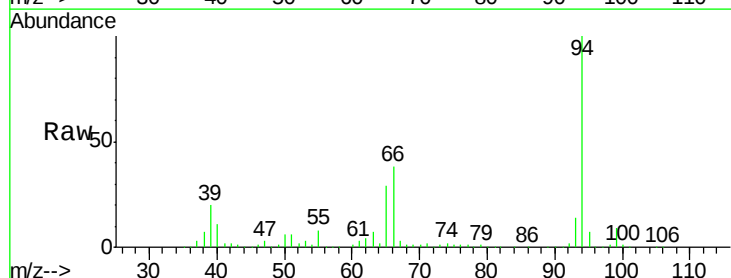
RT: 6.34 min Scan# 381

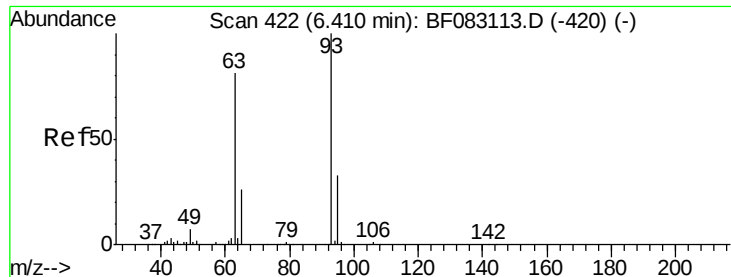
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	94	Resp:	881233
Ion Ratio	Lower	Upper	
94	100		
65	29.0	21.1	61.1
66	38.2	43.1	83.1#





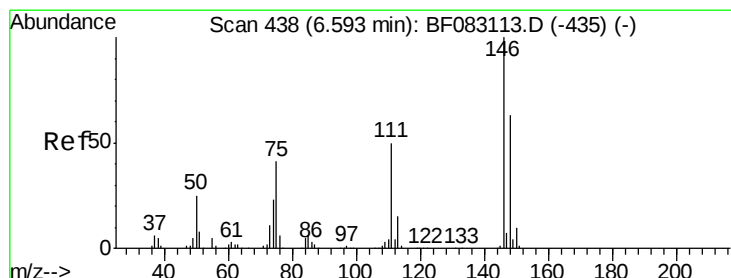
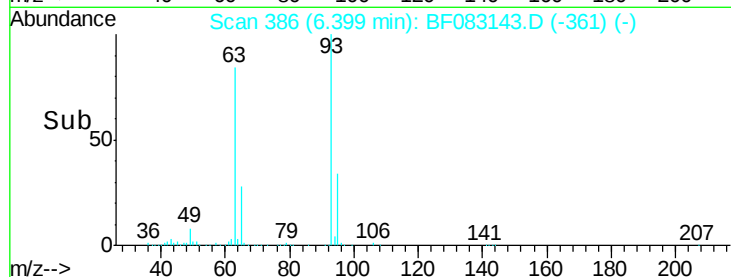
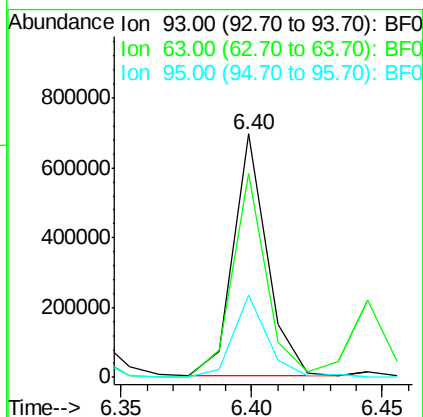
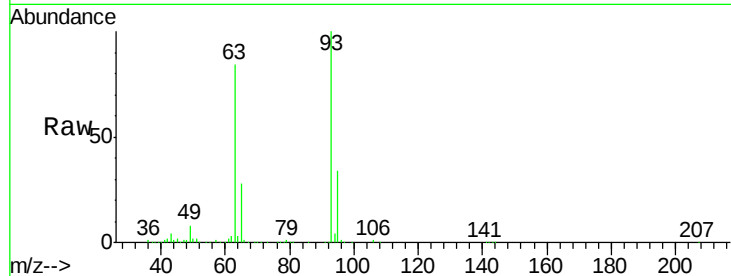
#11
bis(2-Chloroethyl)ether
Concen: 42.27 ng
RT: 6.40 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.9	59.8	99.8
95	33.6	13.0	53.0

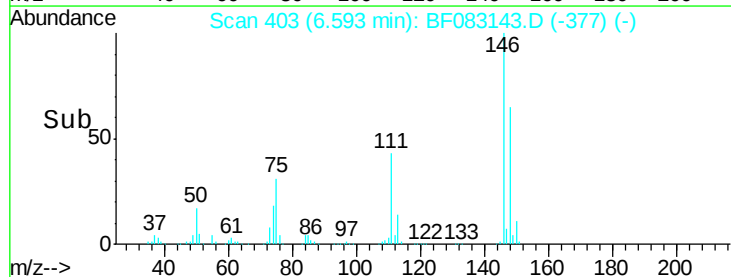
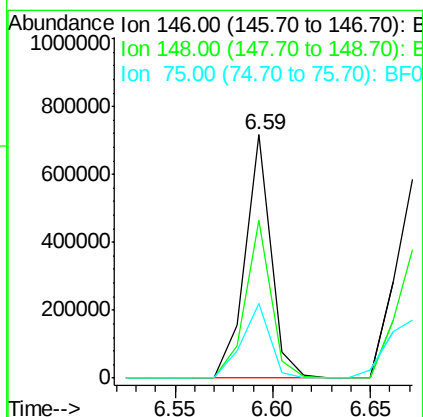
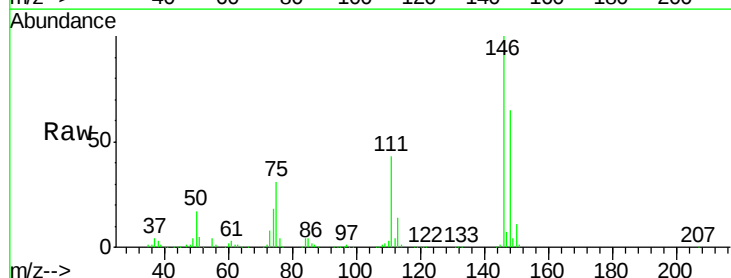
Manual Integrations
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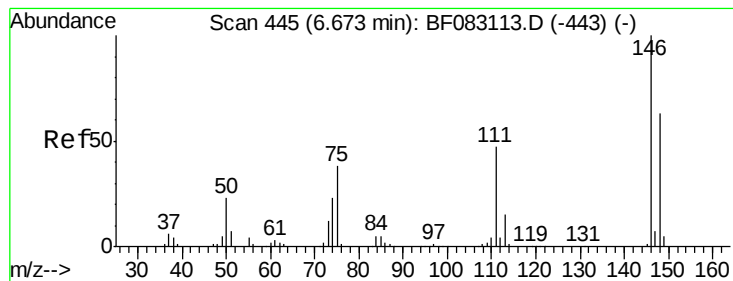
Mmdadoda
11/23/2015 7:01:48 PM



#12
1,3-Dichlorobenzene
Concen: 39.92 ng m
RT: 6.59 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.2	75.2
75	30.6	32.7	49.1#





#13

1,4-Dichlorobenzene

Concen: 39.93 ng

RT: 6.67 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

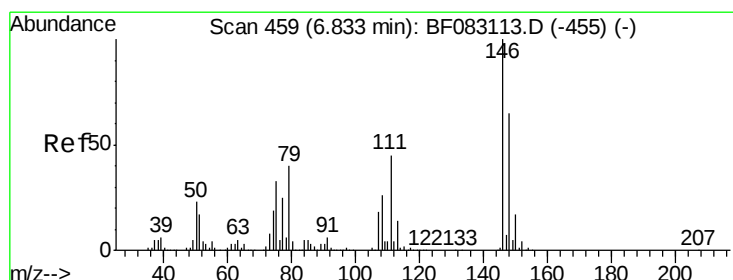
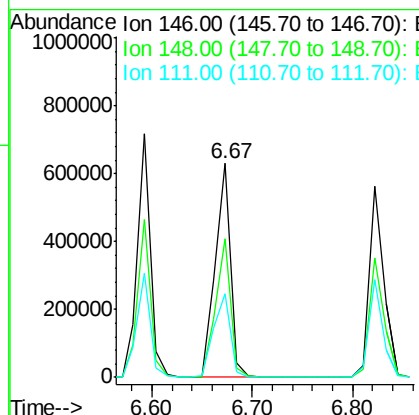
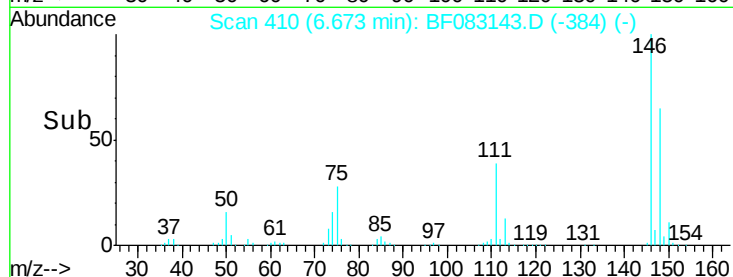
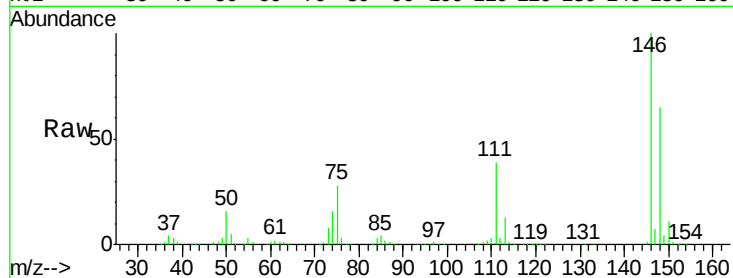
ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:	146	Resp:	666869
Ion Ratio	Lower	Upper	
146	100		
148	64.8	50.2	75.2
111	39.4	37.5	56.3

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 37.47 ng

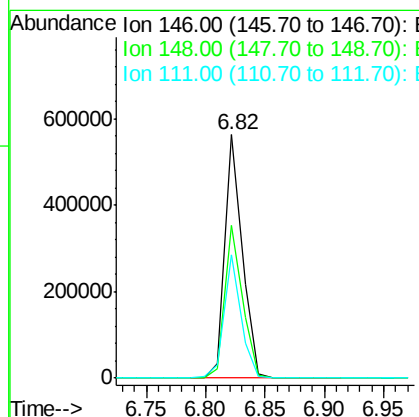
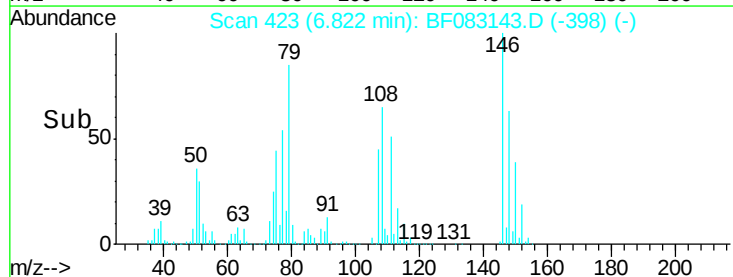
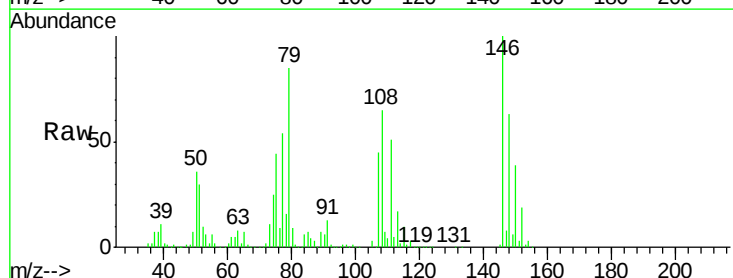
RT: 6.82 min Scan# 423

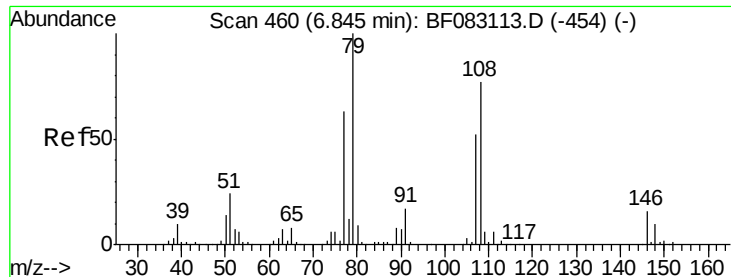
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	146	Resp:	568754
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.8	77.6
111	50.9	36.2	54.4





#15

Benzyl Alcohol

Concen: 42.08 ng

RT: 6.82 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

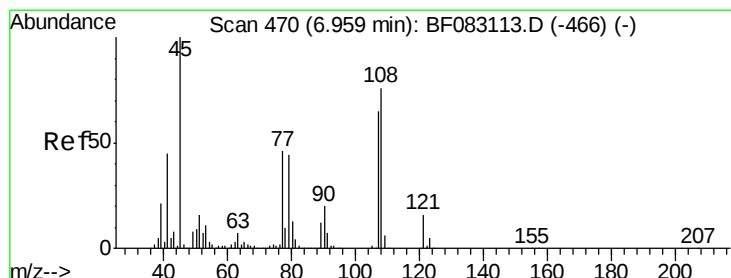
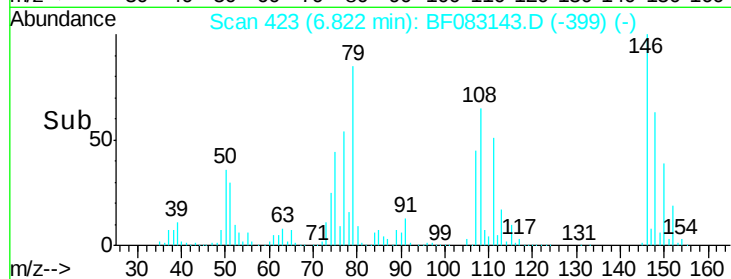
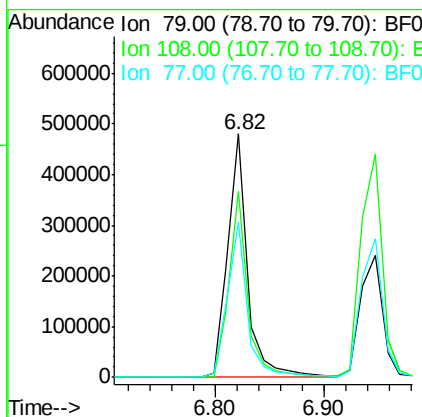
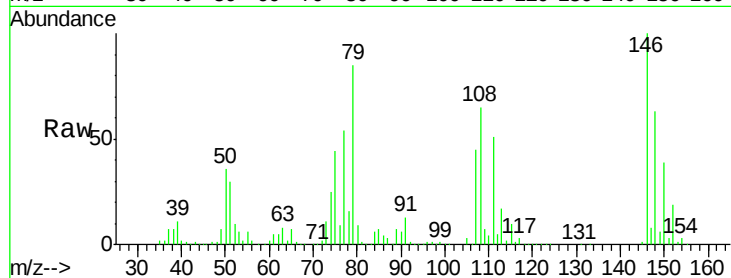
SB-23(7.5-9.5)MSD

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Tot Ion:	79	Resp:	608892
Ion Ratio	Lower	Upper	
79	100		
108	76.5	61.4	92.2
77	63.6	50.5	75.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.61 ng

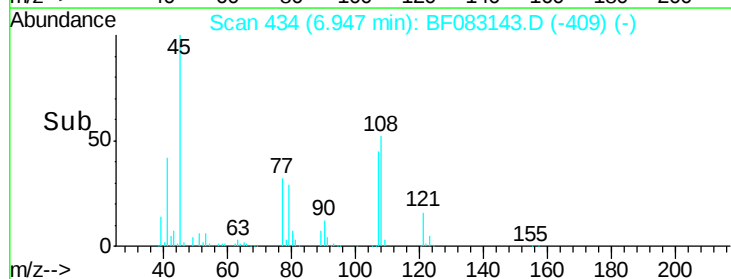
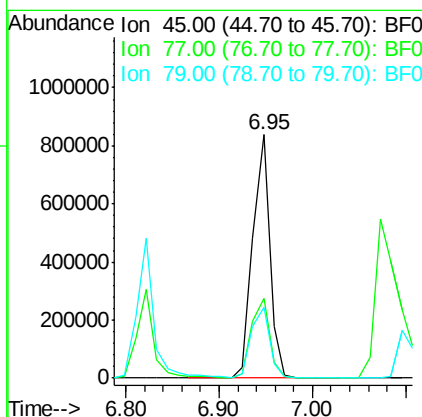
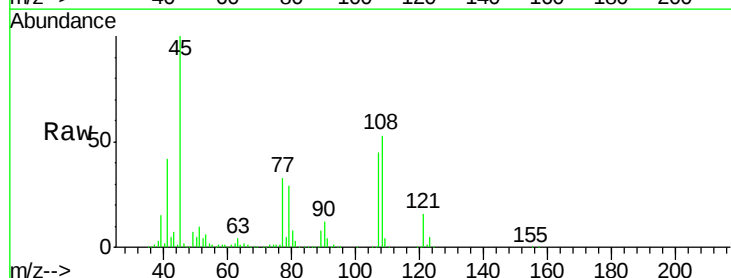
RT: 6.95 min Scan# 434

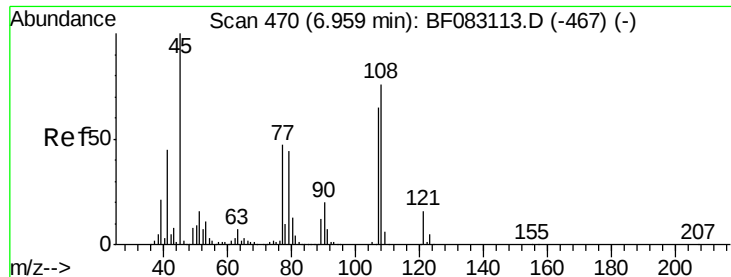
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	45	Resp:	1063735
Ion Ratio	Lower	Upper	
45	100		
77	32.5	26.7	66.7
79	28.9	24.3	64.3





#17

2-Methylphenol

Concen: 42.62 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

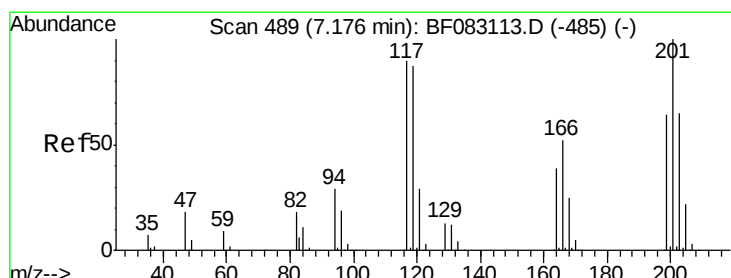
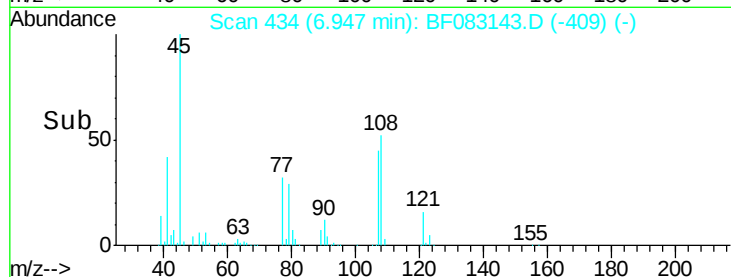
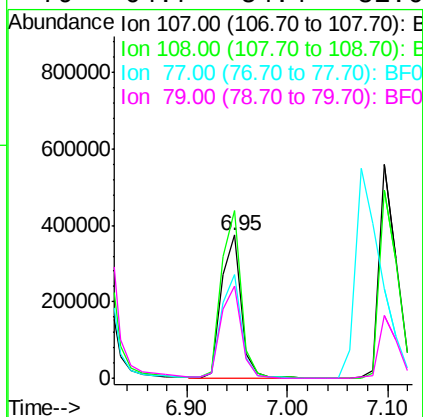
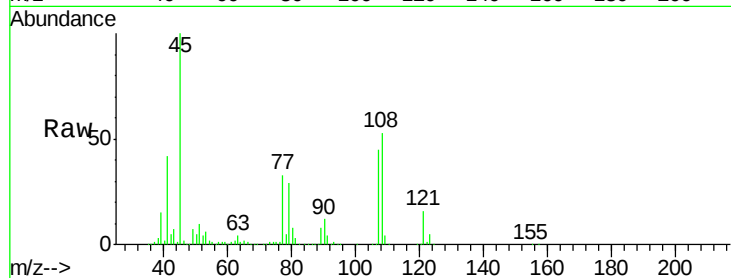
ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:	107	Resp:	509866
Ion Ratio	Lower	Upper	
107	100		
108	117.8	93.8	140.6
77	72.9	57.4	86.0
79	64.7	54.4	81.6

Manual Integrations
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#18

Hexachloroethane

Concen: 39.46 ng

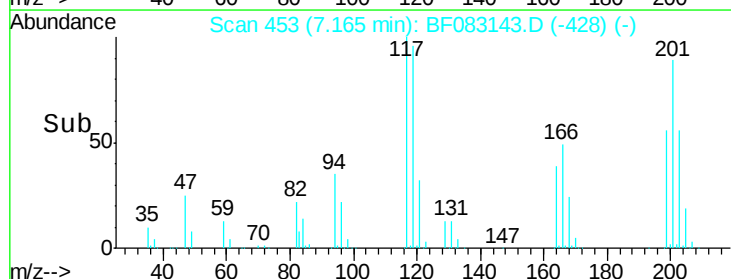
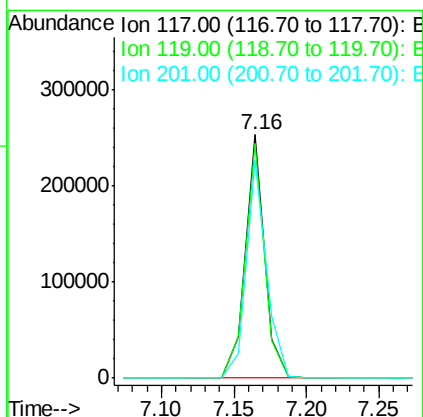
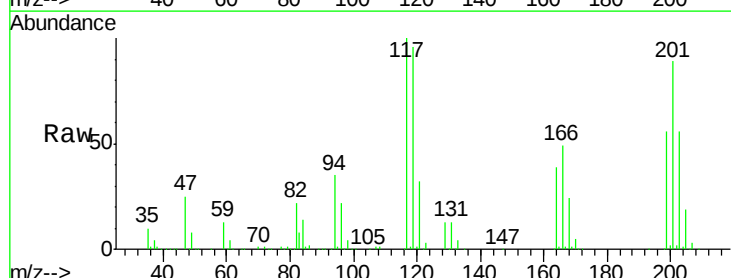
RT: 7.16 min Scan# 453

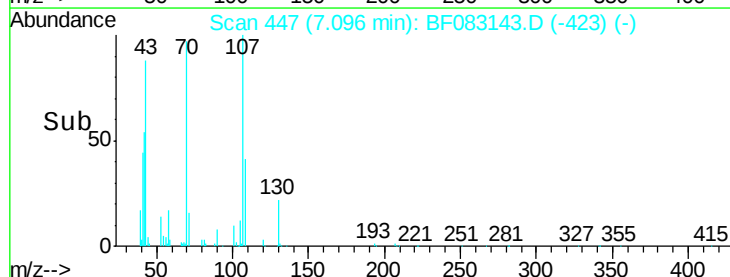
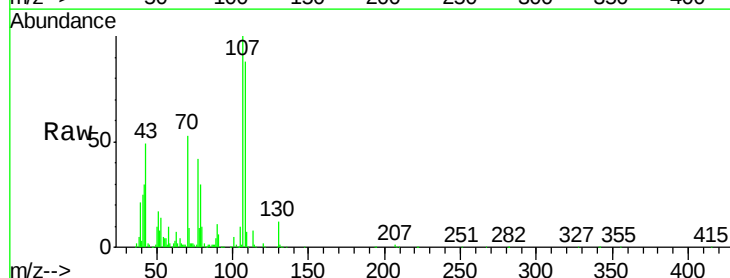
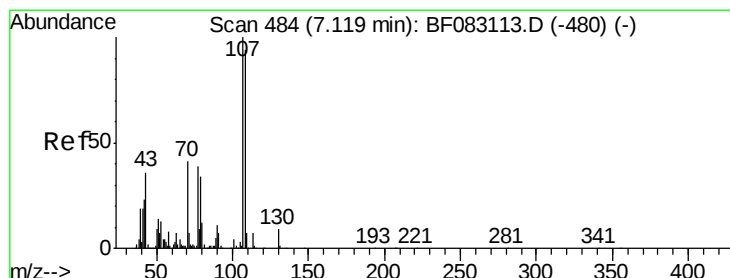
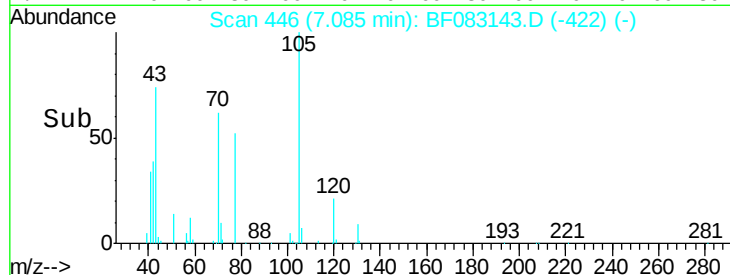
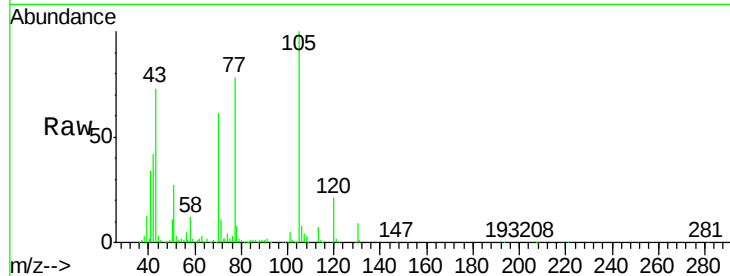
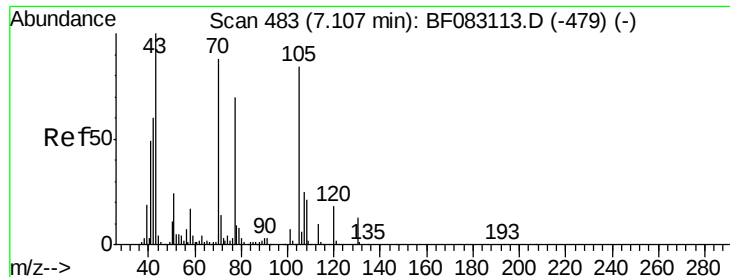
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	117	Resp:	232104
Ion Ratio	Lower	Upper	
117	100		
119	96.4	76.8	115.2
201	89.3	88.6	133.0

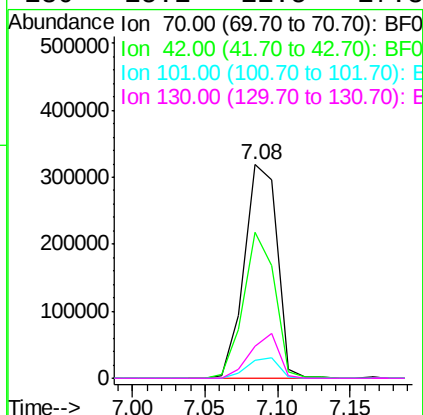




#19
n-Nitroso-di-n-propylamine
Concen: 41.60 ng
RT: 7.08 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	68.2	54.5	81.7
101	8.3	6.6	9.8
130	15.1	11.5	17.3

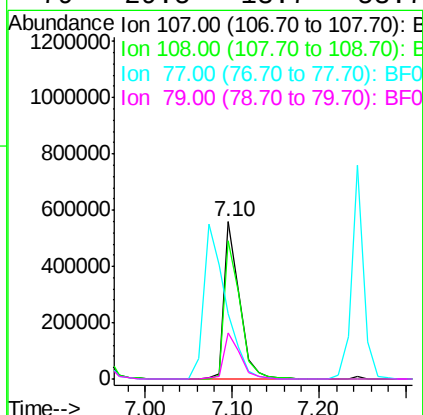


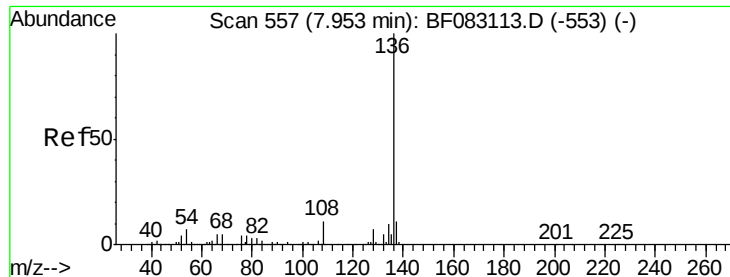
Manual Integrations
APPROVED

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11/23/2015 7:01:48 PM

#20
3+4-Methylphenols
Concen: 45.38 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	73.8	113.8
77	41.8	19.1	59.1
79	29.5	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: BF083143.D

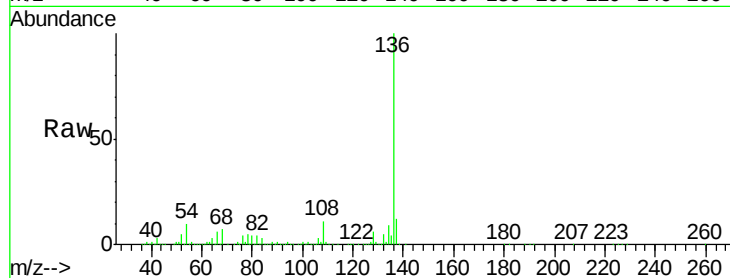
Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

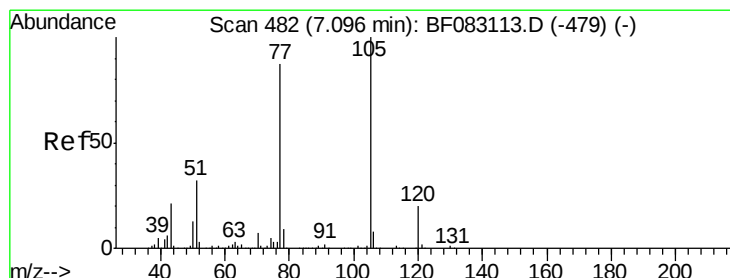
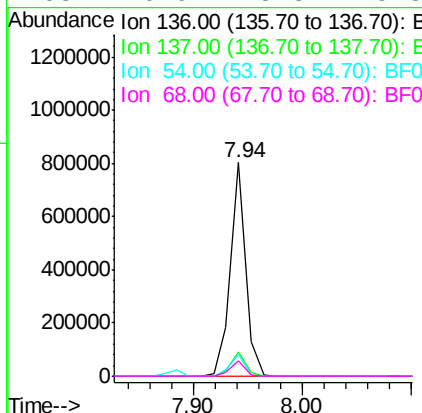
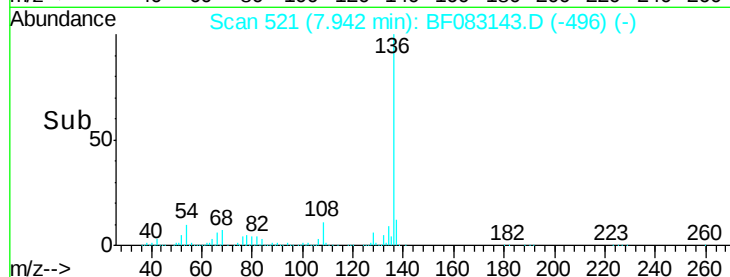
SB-23(7.5-9.5)MSD



Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		777222		
137	11.5	8.7	13.1		
54	10.1	5.8	8.6#		
68	6.9	3.8	5.8#		

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#22

Acetophenone

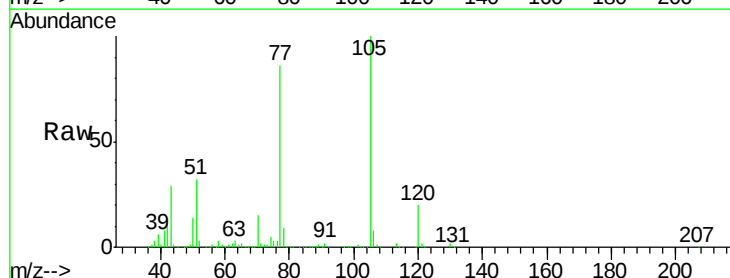
Concen: 40.11 ng

RT: 7.07 min Scan# 445

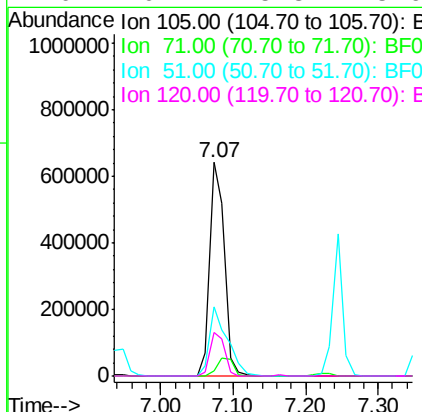
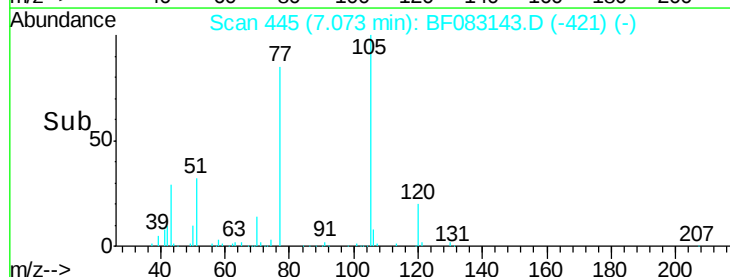
Delta R.T. -0.02 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		895049		
71	2.4	1.0	1.4#		
51	32.3	25.6	38.4		
120	20.1	15.8	23.6		





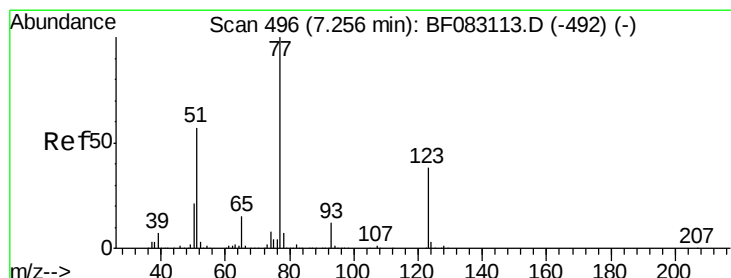
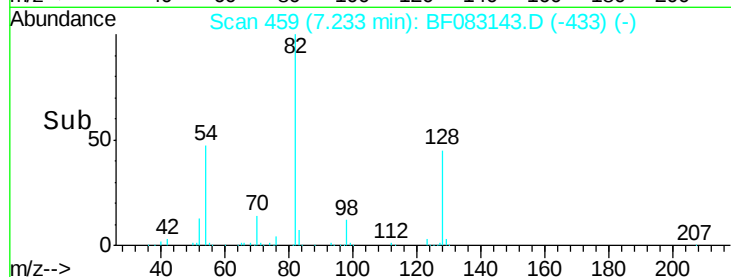
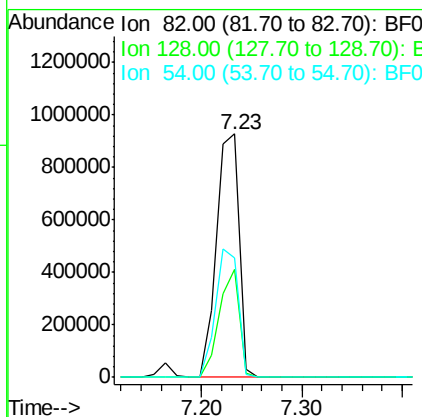
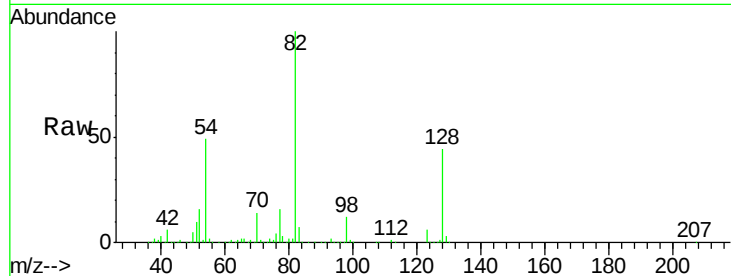
#23
Nitrobenzene-d5
Concen: 85.03 ng
RT: 7.23 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	28.5	42.7#
54	49.2	44.6	67.0

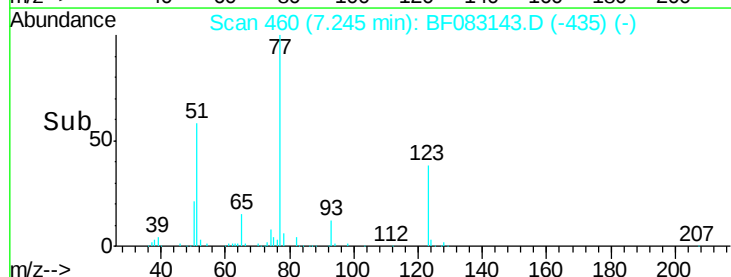
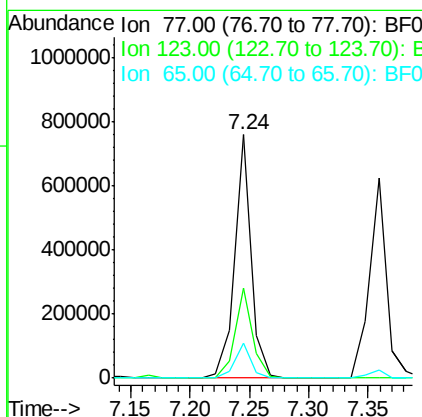
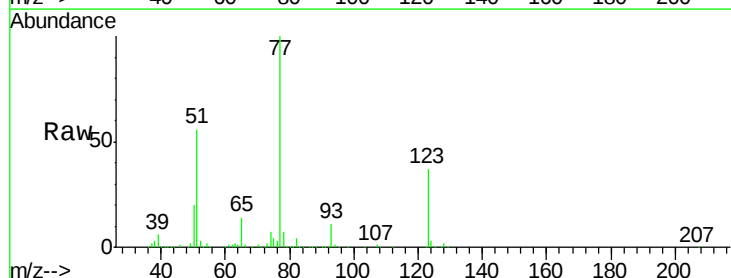
Manual Integrations
APPROVED

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#24
Nitrobenzene
Concen: 40.30 ng
RT: 7.24 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.0	30.1	45.1
65	14.4	11.6	17.4





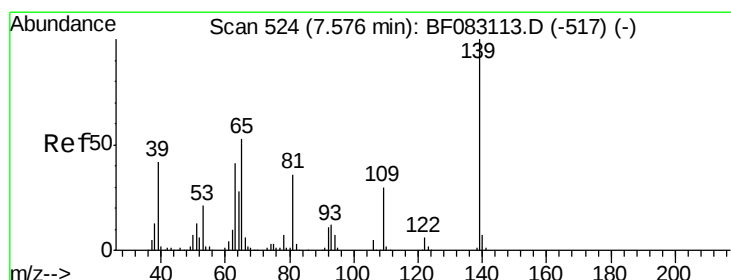
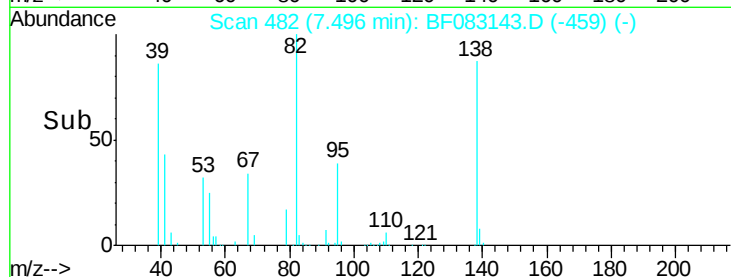
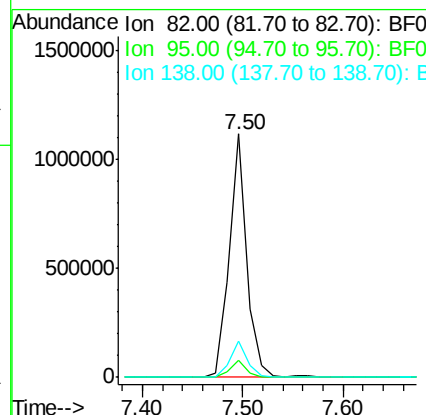
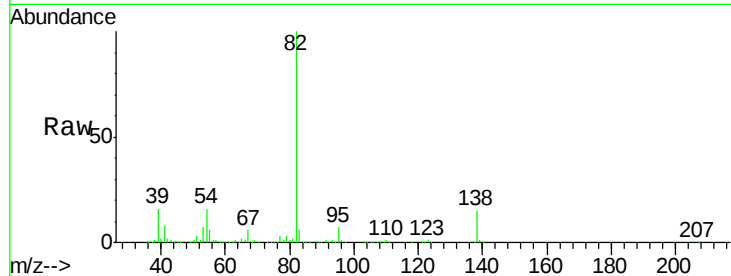
#25
Isophorone
Concen: 42.03 ng
RT: 7.50 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ion	Ratio	Lower	Upper
82	100			
95	6.8	5.8	8.8	
138	14.9	11.6	17.4	

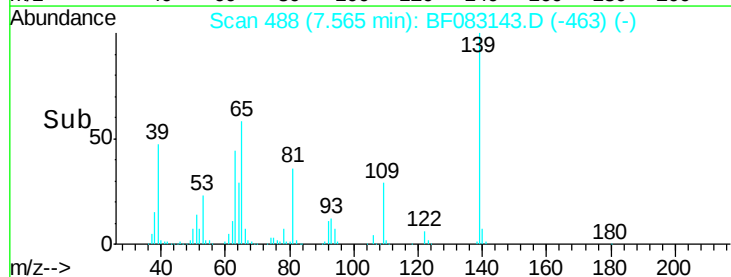
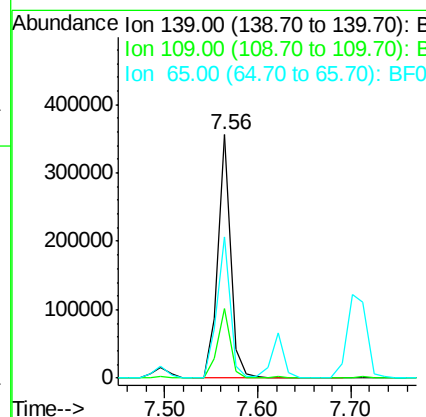
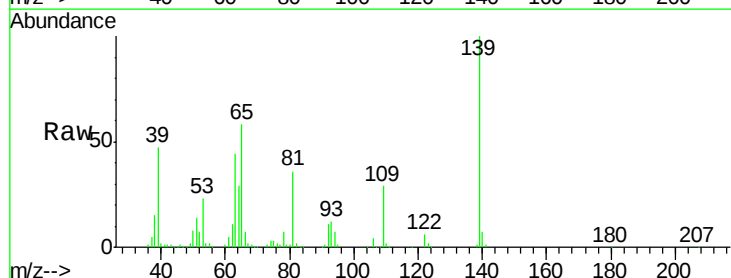
Manual Integrations
APPROVED

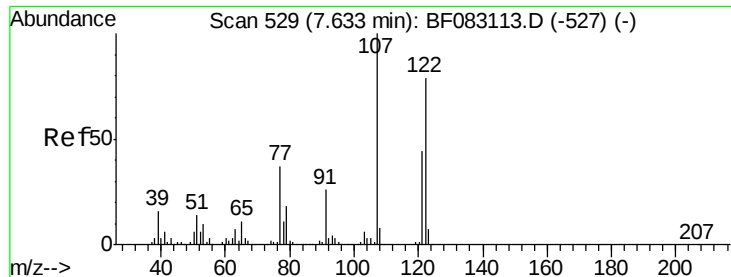
Mmdadoda
11/23/2015 7:01:48 PM



#26
2-Nitrophenol
Concen: 42.42 ng
RT: 7.56 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Lower	Upper
139	100			
109	28.7	23.9	35.9	
65	57.8	42.7	64.1	





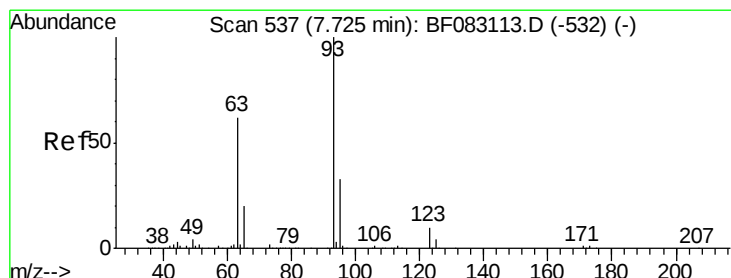
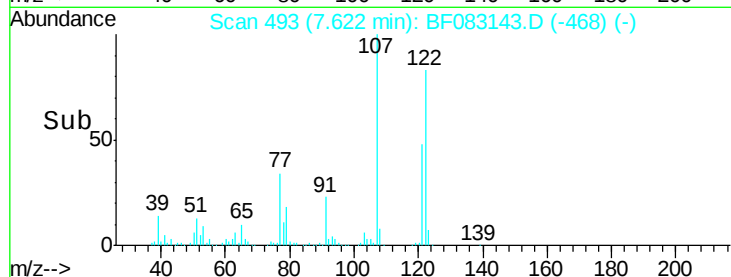
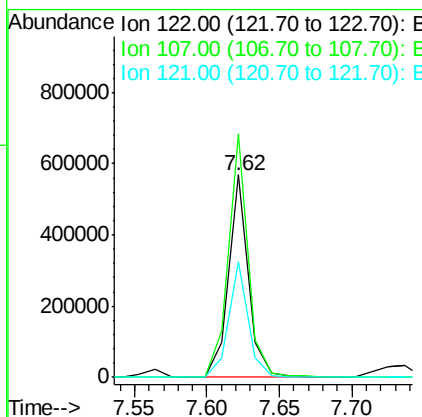
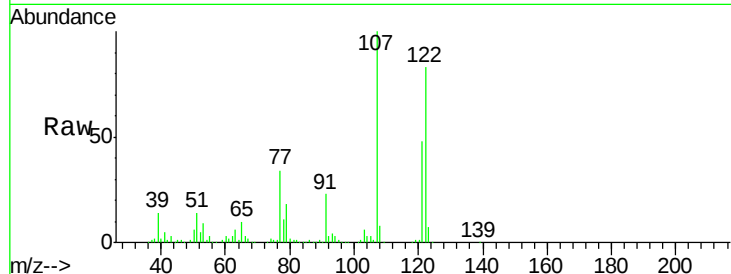
#27
 2,4-Dimethylphenol
 Concen: 41.94 ng
 RT: 7.62 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	120.5	101.1	151.7		
121	57.5	44.9	67.3		

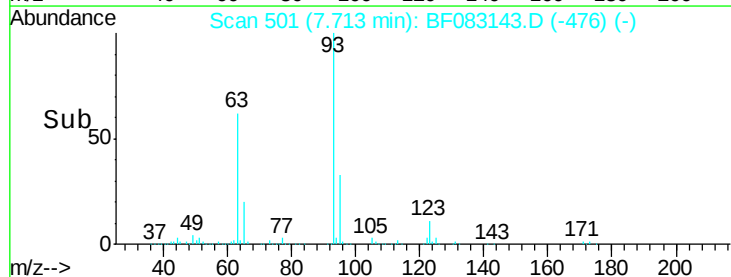
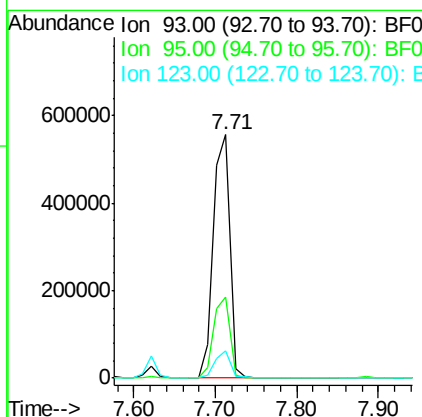
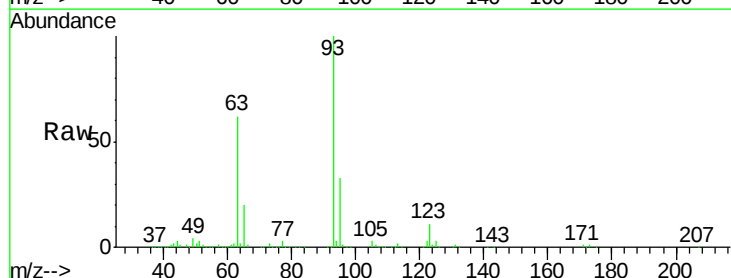
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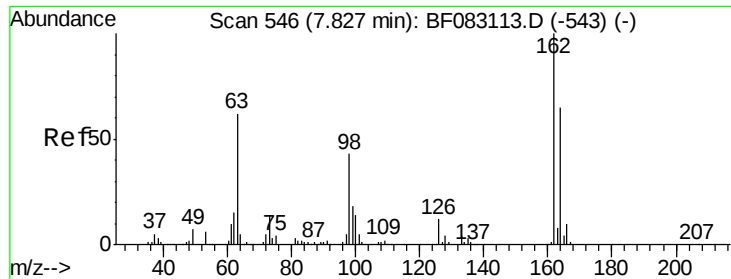
Mmdadoda
 11/23/2015 7:01:48 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.12 ng
 RT: 7.71 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	33.4	26.5	39.7		
123	11.0	8.1	12.1		





#29

2,4-Dichlorophenol

Concen: 45.41 ng

RT: 7.82 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

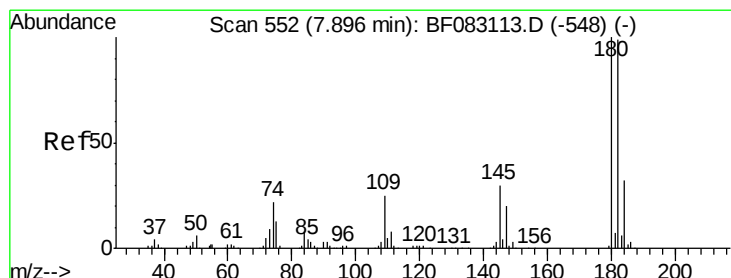
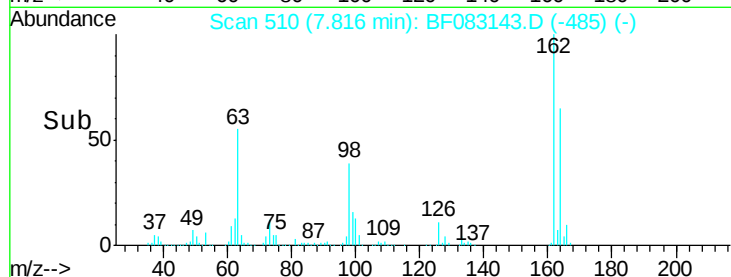
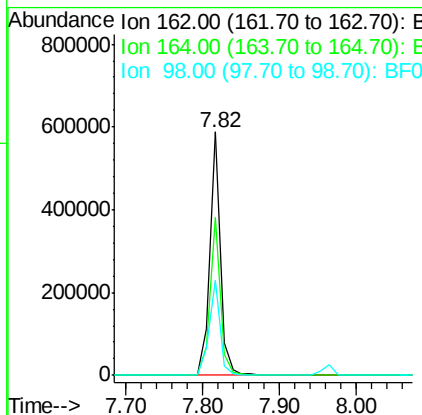
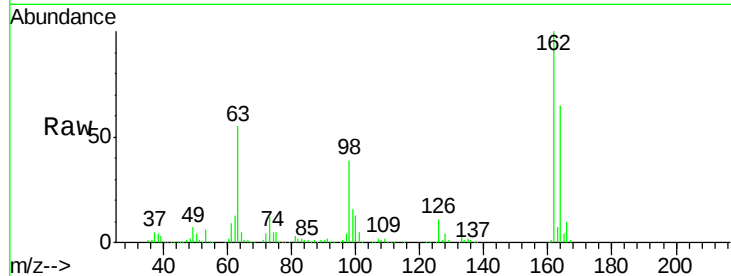
ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:	162	Resp:	553043
Ion Ratio	Lower	Upper	
162	100		
164	64.7	44.8	84.8
98	39.3	23.1	63.1

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#30

1,2,4-Trichlorobenzene

Concen: 39.53 ng

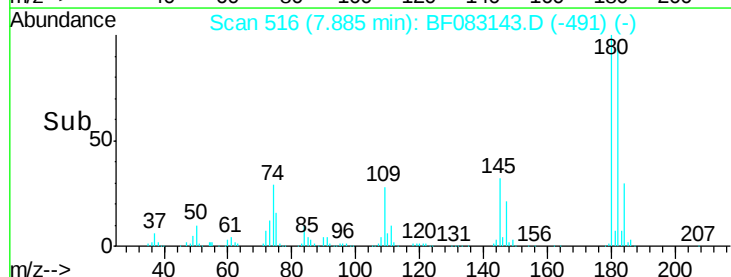
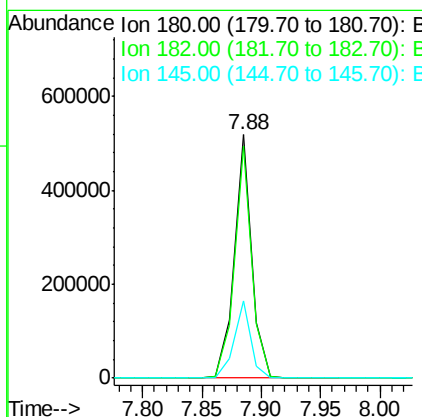
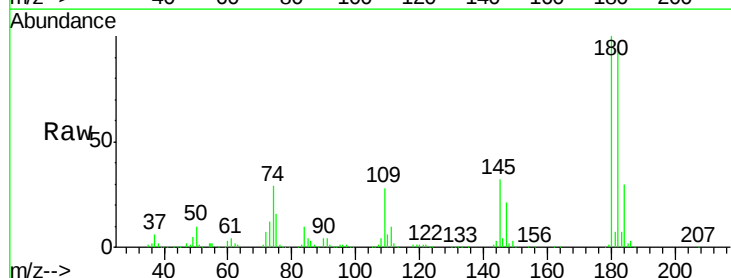
RT: 7.88 min Scan# 516

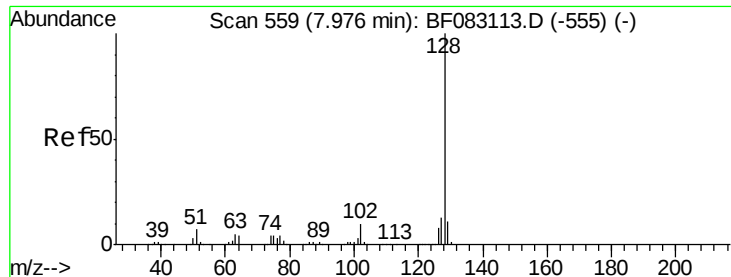
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	180	Resp:	528859
Ion Ratio	Lower	Upper	
180	100		
182	95.1	79.0	118.6
145	31.6	24.2	36.2





#31

Naphthalene

Concen: 41.00 ng

RT: 7.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:128 Resp: 1719903

Ion Ratio Lower Upper

128 100

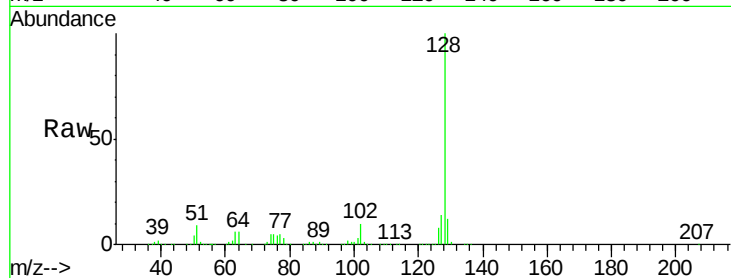
129 11.6 9.0 13.4

127 14.0 10.6 15.8

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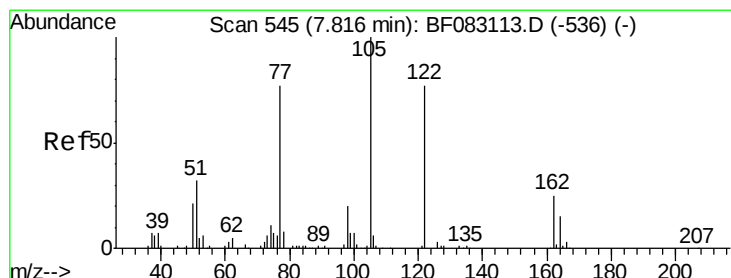
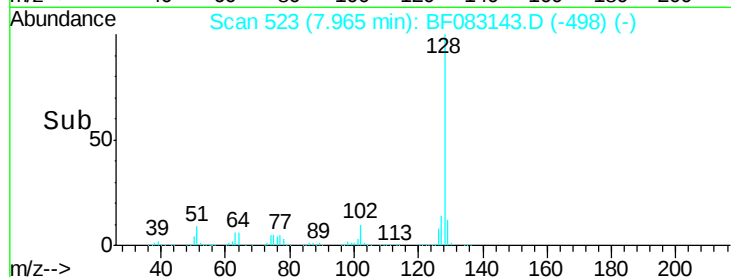
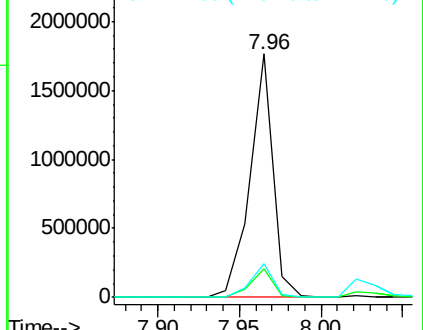
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.70 ng

RT: 7.74 min Scan# 503

Delta R.T. -0.08 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

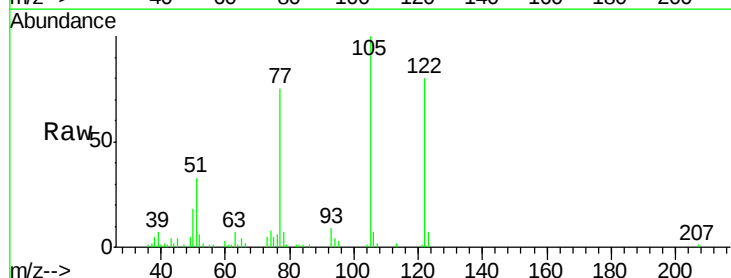
Tgt Ion:122 Resp: 66705

Ion Ratio Lower Upper

122 100

105 125.0 109.7 149.7

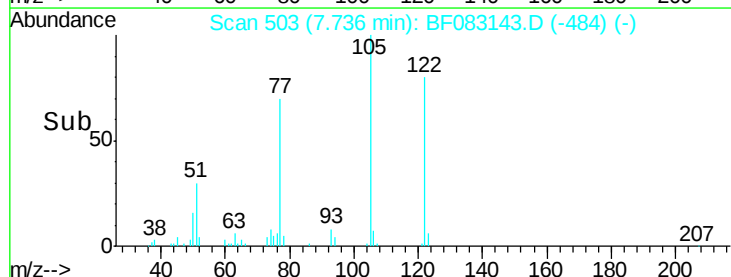
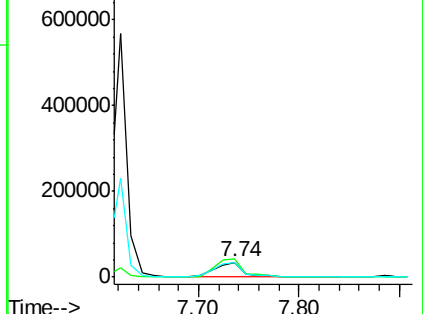
77 93.4 79.7 119.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





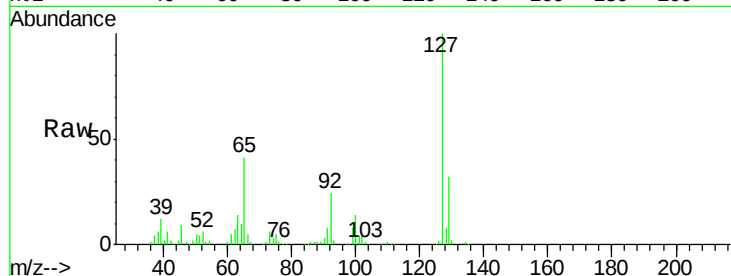
#33
4-Chloroaniline
Concen: 11.60 ng
RT: 8.02 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

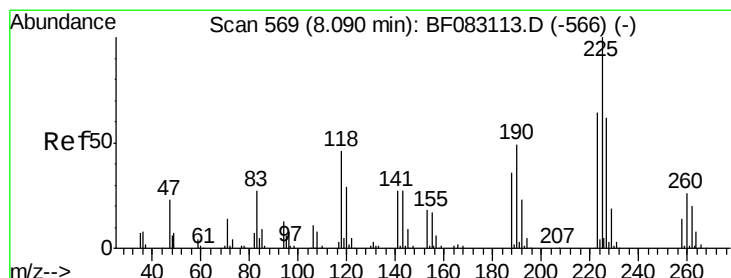
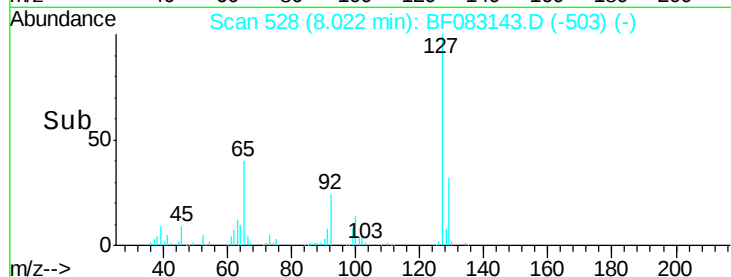
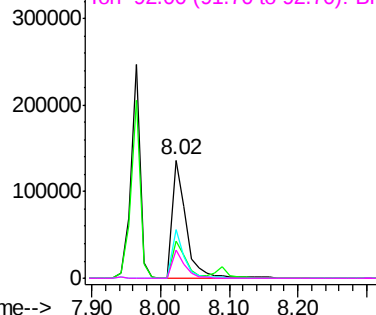
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		188831		
129	31.7	25.7	38.5		
65	41.3	35.5	53.3		
92	24.3	19.4	29.2		

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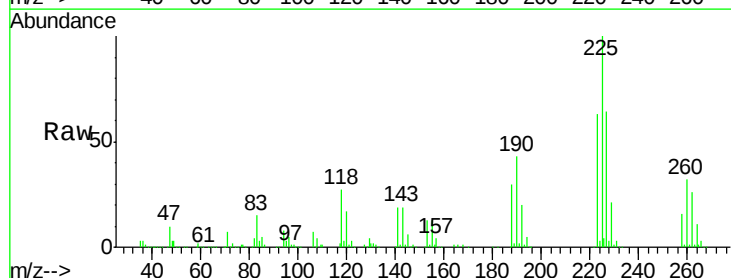


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

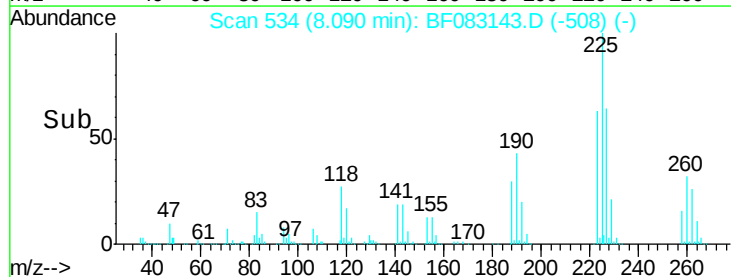
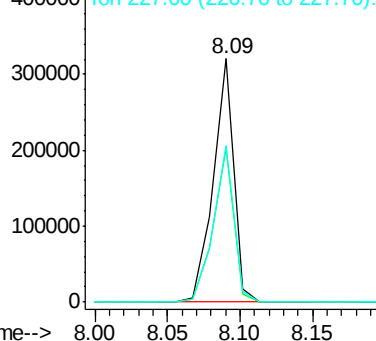


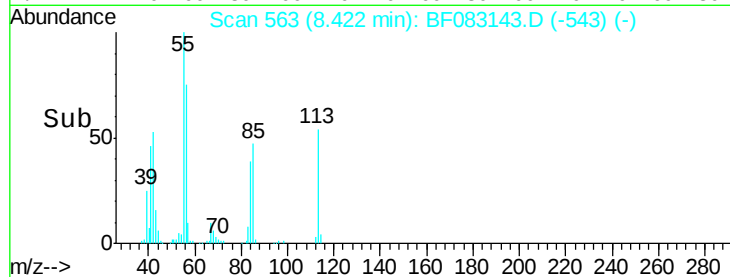
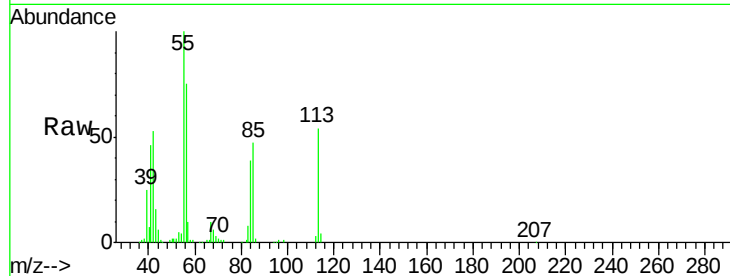
#34
Hexachlorobutadiene
Concen: 39.85 ng
RT: 8.09 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		315057		
223	63.3	51.3	76.9		
227	64.1	49.8	74.8		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 48.95 ng/mL

RT: 8.42 min Scan# 563

Delta R.T. -0.07 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

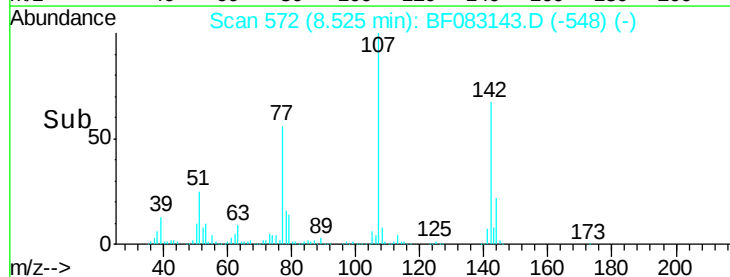
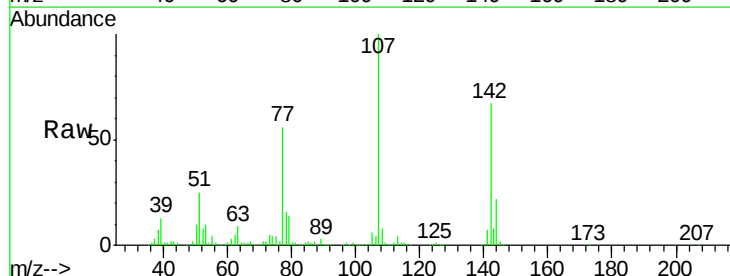
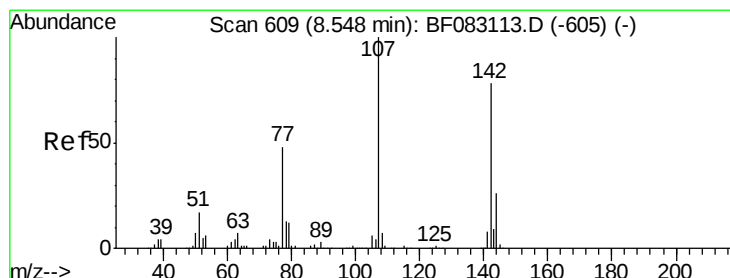
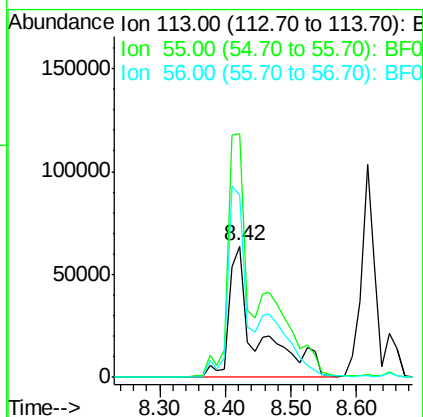
ClientSampleId :

SB-23(7.5-9.5)MSD

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Tot Ion:	113	Resp:	191044
Ion Ratio	Lower	Upper	
113	100		
55	185.8	192.6	232.6#
56	138.8	148.6	188.6#



#36

4-Chloro-3-methylphenol

Concen: 43.00 ng/mL

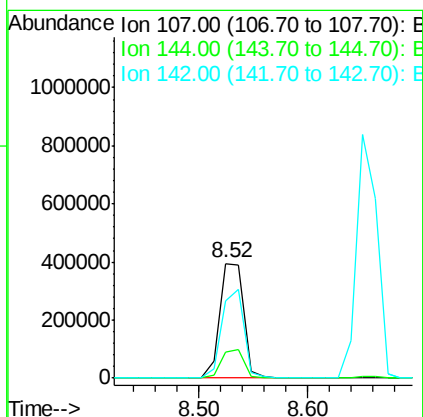
RT: 8.52 min Scan# 572

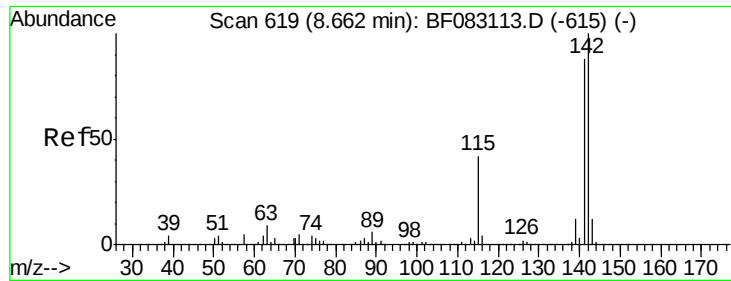
Delta R.T. -0.02 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	107	Resp:	606588
Ion Ratio	Lower	Upper	
107	100		
144	22.2	20.8	31.2
142	67.2	62.1	93.1





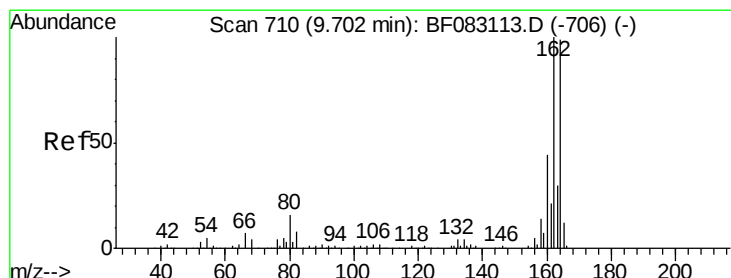
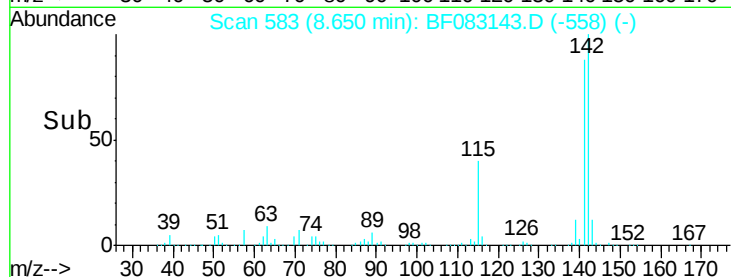
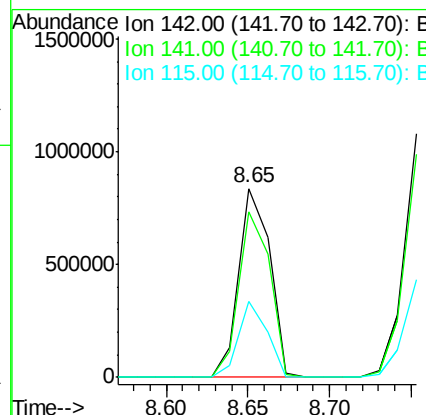
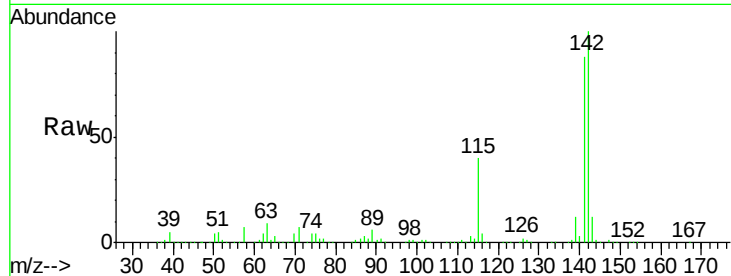
#37
2-Methylnaphthalene
Concen: 40.54 ng
RT: 8.65 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5
115	40.0	33.4	50.2

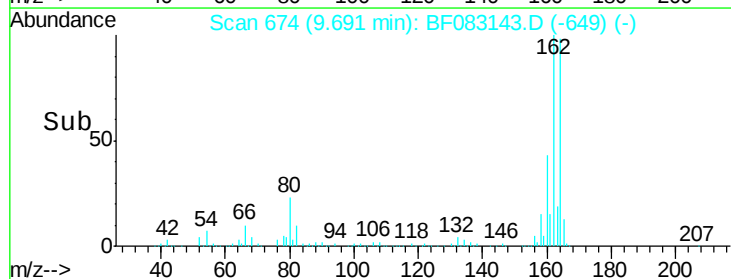
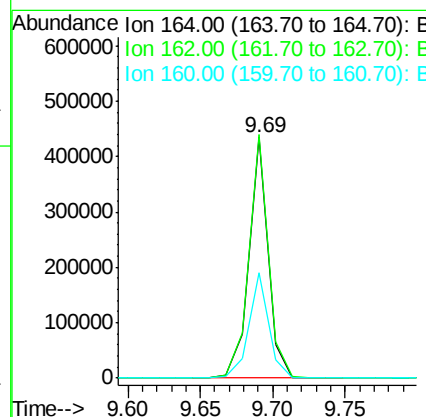
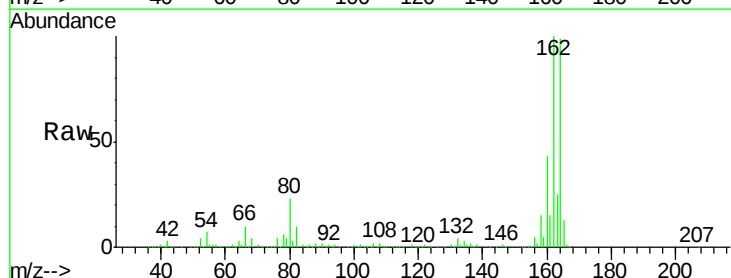
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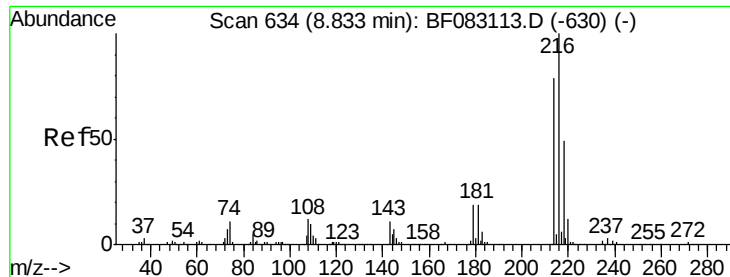
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.2	121.8
160	43.7	35.6	53.4





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.50 ng

RT: 8.82 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

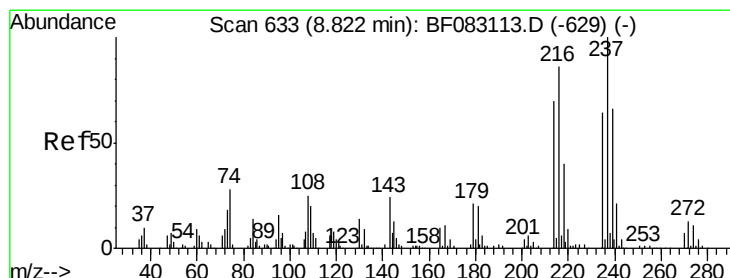
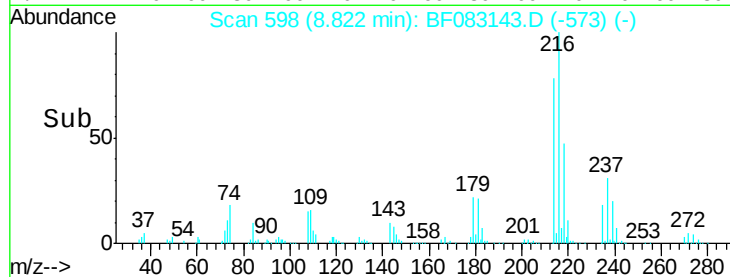
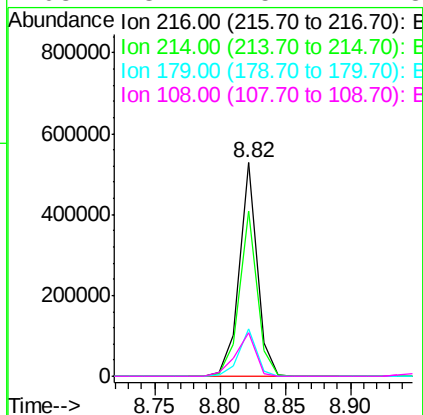
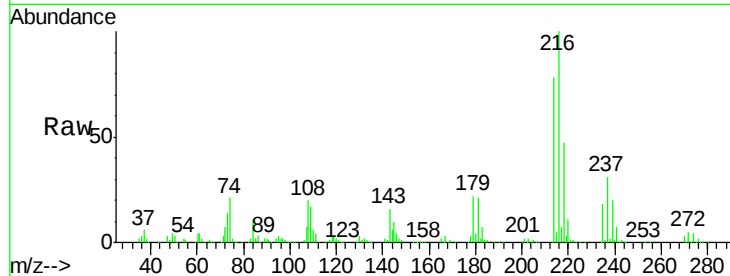
ClientSampleId :

SB-23(7.5-9.5)MSD

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		497998		
214	77.6	63.8	95.8		
179	21.6	17.0	25.6		
108	23.1	15.2	22.8#		



#40

Hexachlorocyclopentadiene

Concen: 68.06 ng

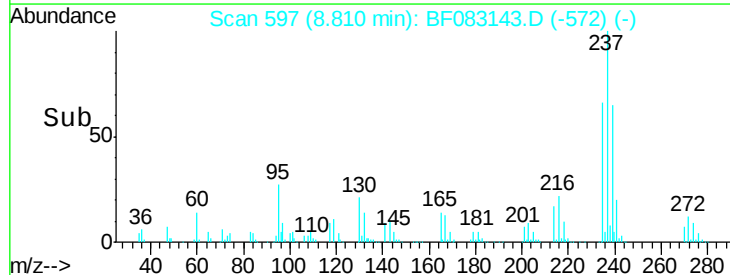
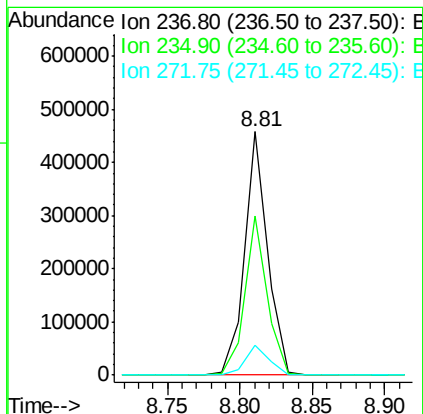
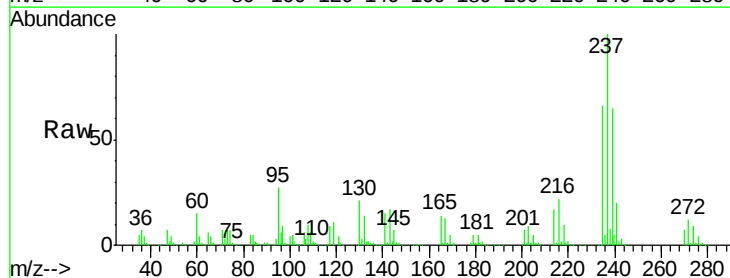
RT: 8.81 min Scan# 597

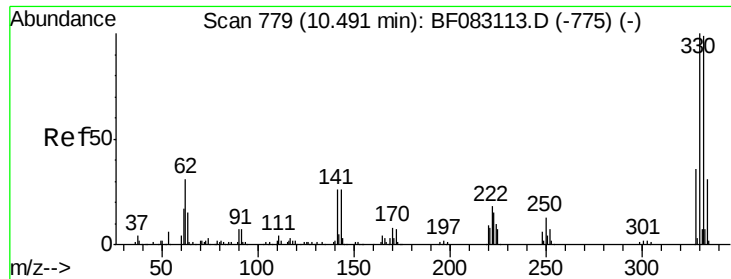
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		500610		
235	65.5	43.5	83.5		
272	12.2	0.0	33.1		





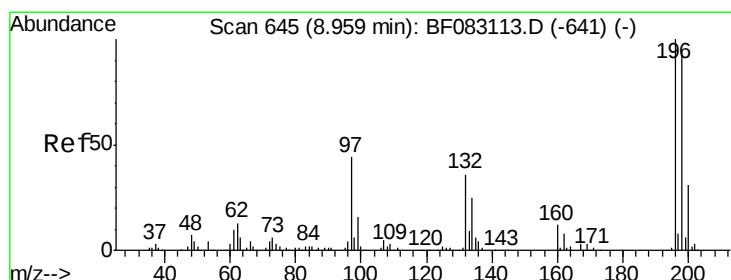
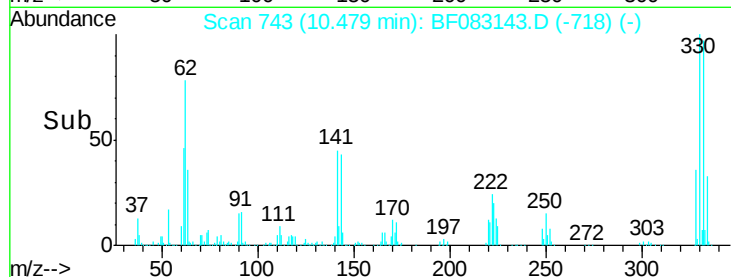
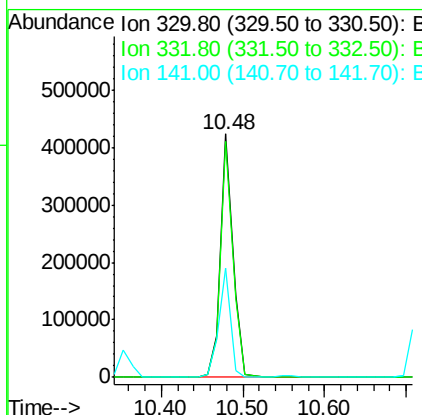
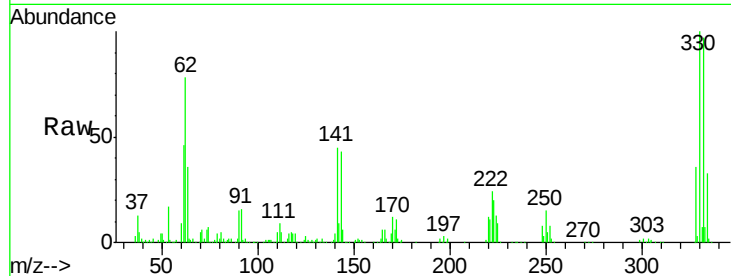
#41
 2,4,6-Tribromophenol
 Concen: 110.44 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	450968		
332	96.0		77.7	116.5
141	42.3		29.7	44.5

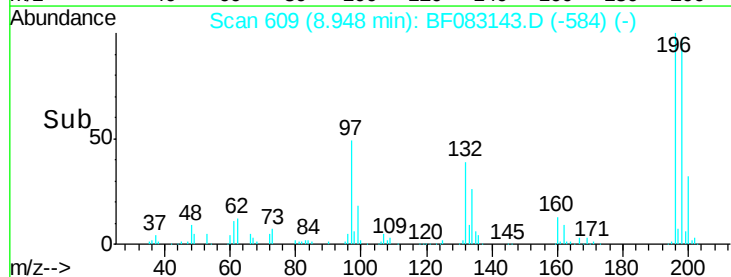
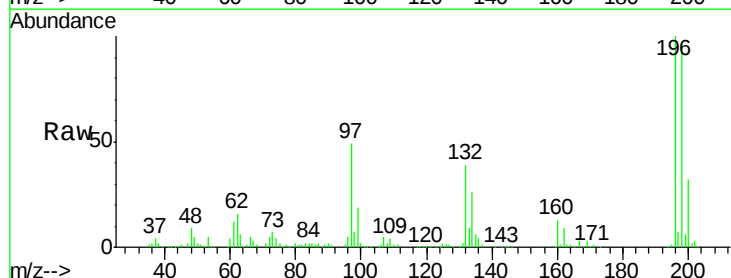
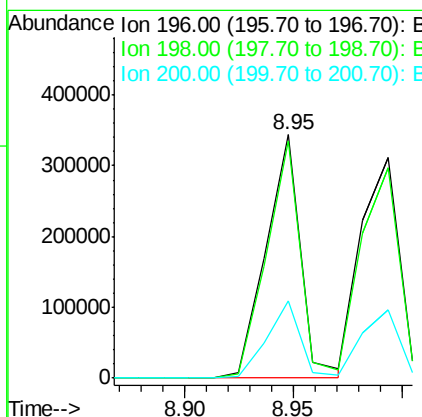
Manual Integrations
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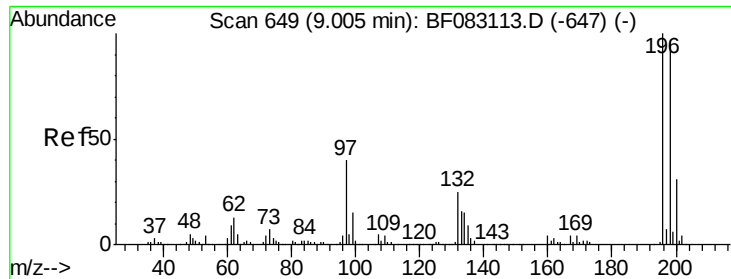
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#42
 2,4,6-Trichlorophenol
 Concen: 41.08 ng
 RT: 8.95 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	380570		
198	97.4		75.9	113.9
200	31.6		24.5	36.7





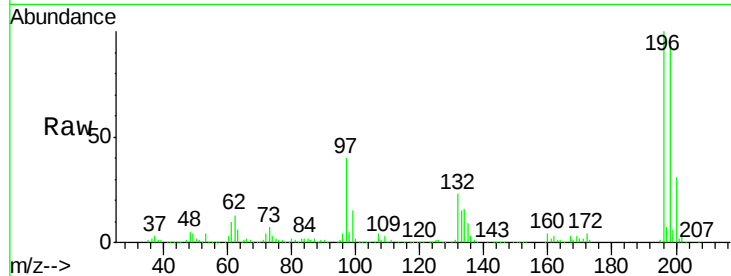
#43
 2,4,5-Trichlorophenol
 Concen: 41.12 ng
 RT: 8.99 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		389535		
198	95.5	77.6	116.4		
97	39.5	32.6	48.8		
132	23.3	19.8	29.8		

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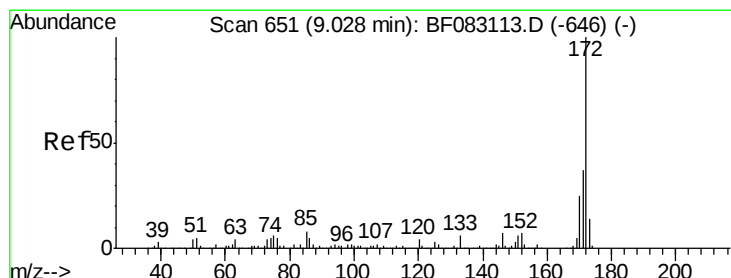
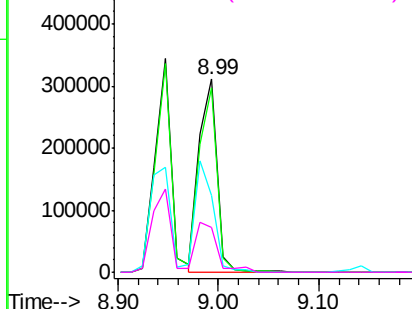
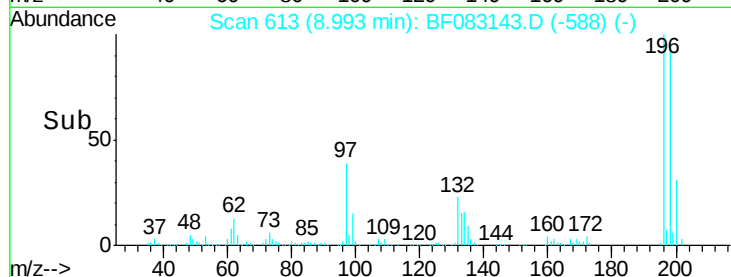
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

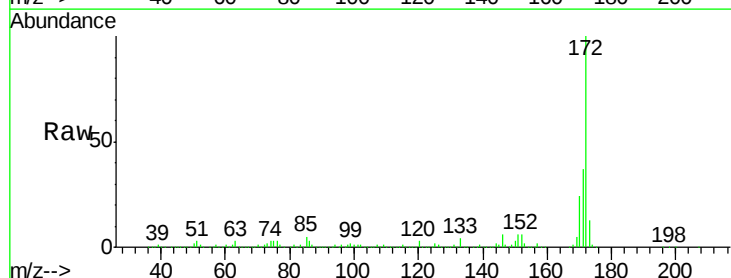
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.75 ng
 RT: 9.03 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		2225259		
171	36.6	29.5	44.3		
170	24.1	19.9	29.9		

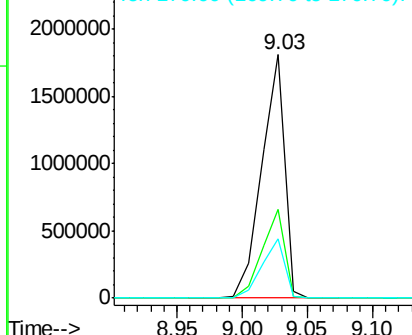
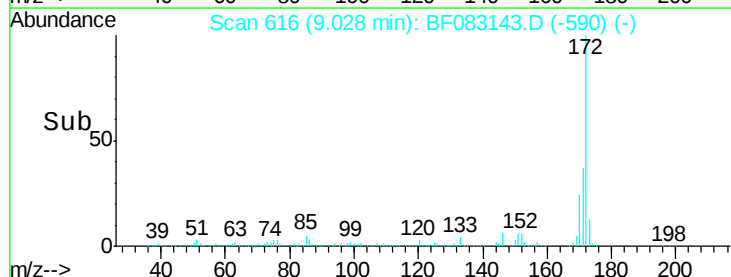


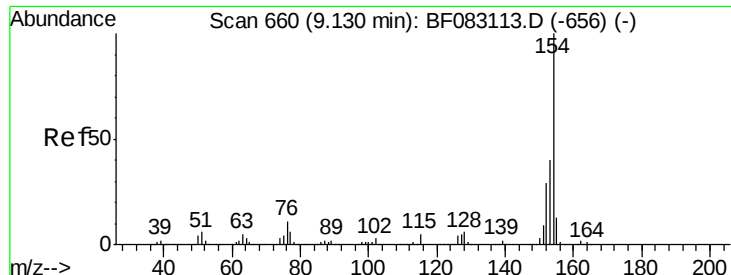
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.34 ng

RT: 9.12 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:154 Resp: 1302345

Ion Ratio Lower Upper

154 100

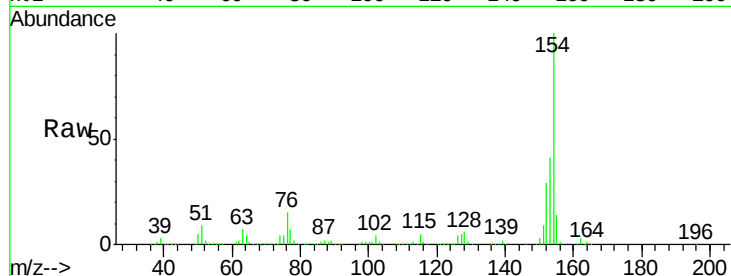
153 40.9 20.5 60.5

76 15.2 0.0 31.2

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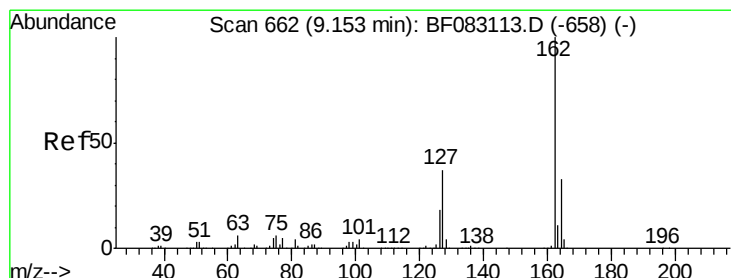
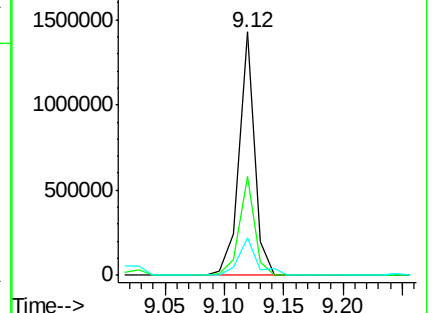
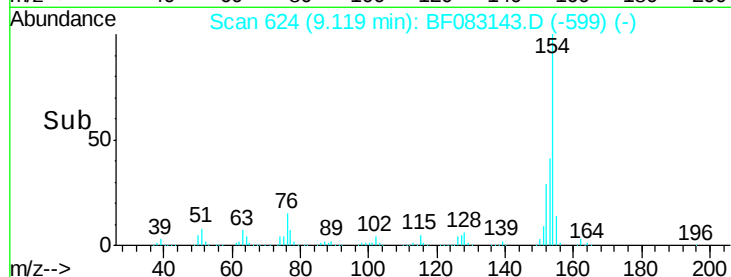
11/23/2015 7:01:48 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.47 ng

RT: 9.14 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

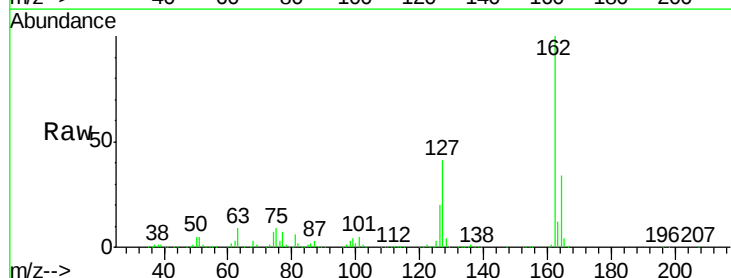
Tgt Ion:162 Resp: 1079805

Ion Ratio Lower Upper

162 100

127 40.7 29.4 44.2

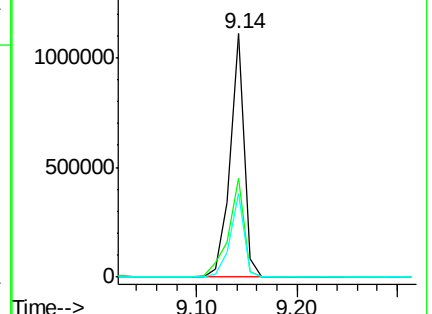
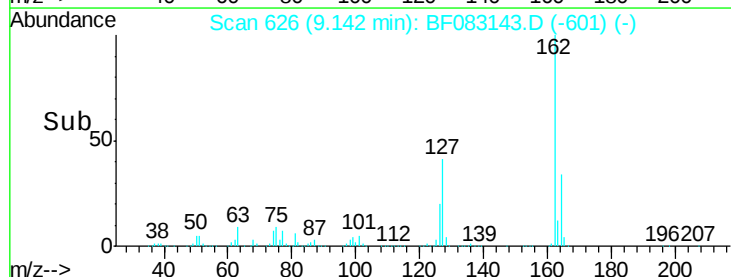
164 34.4 26.2 39.4

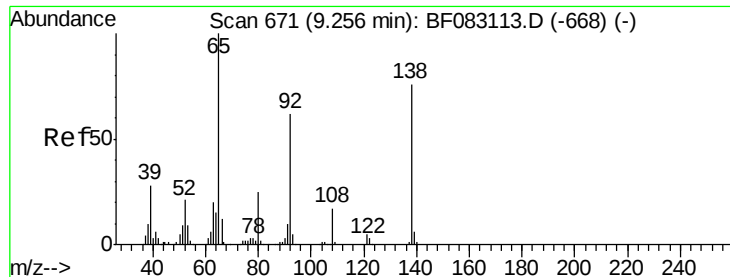


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 40.68 ng

RT: 9.24 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

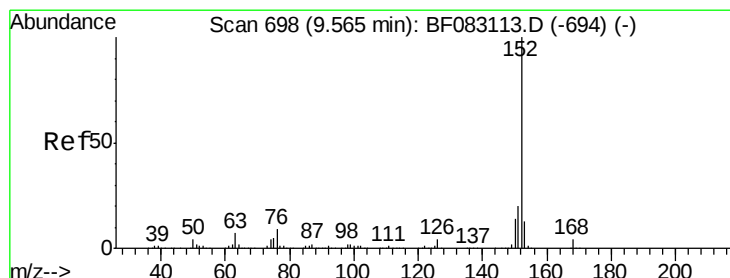
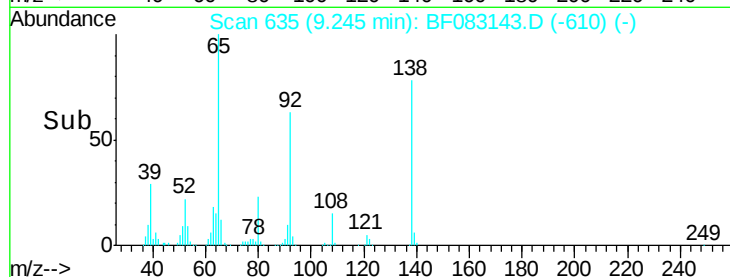
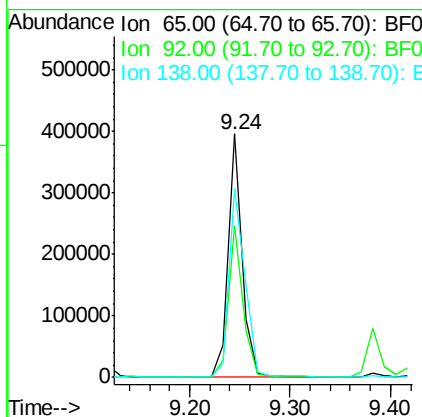
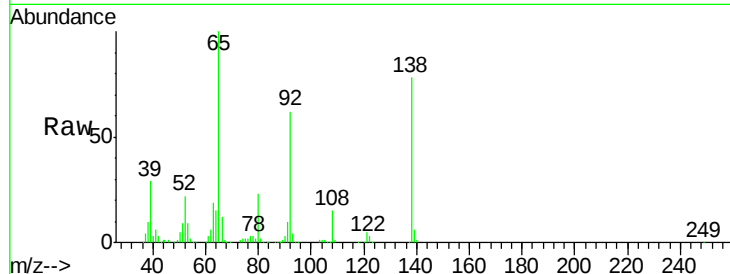
ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:	65	Resp:	383916
Ion Ratio	Lower	Upper	
65	100		
92	62.5	49.5	74.3
138	77.7	60.7	91.1

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#48

Acenaphthylene

Concen: 39.26 ng

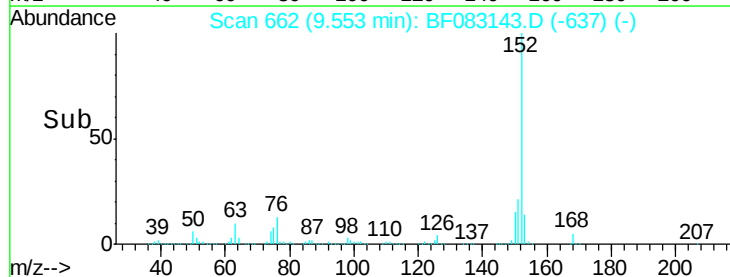
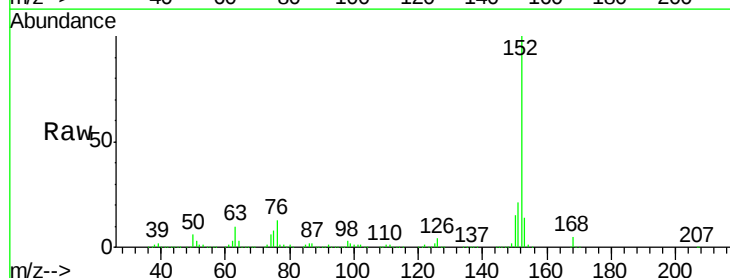
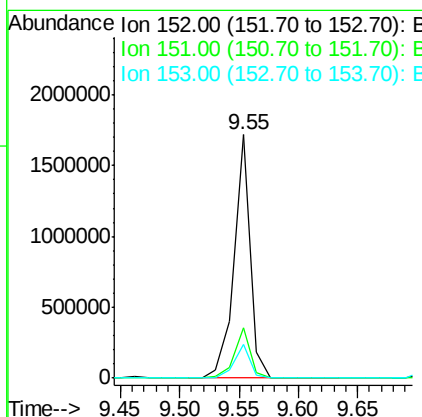
RT: 9.55 min Scan# 662

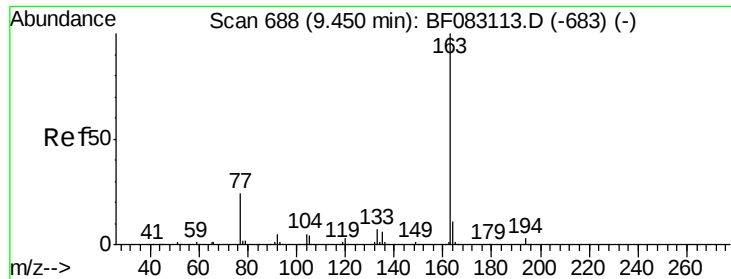
Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	152	Resp:	1623402
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	14.0	10.8	16.2





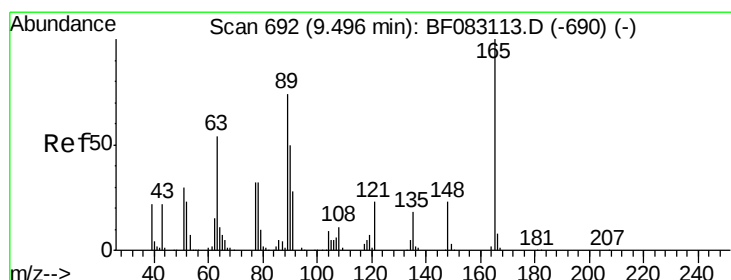
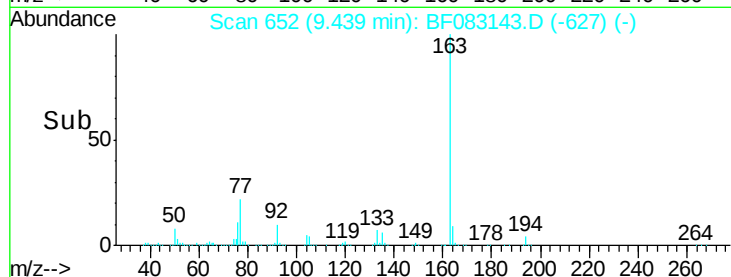
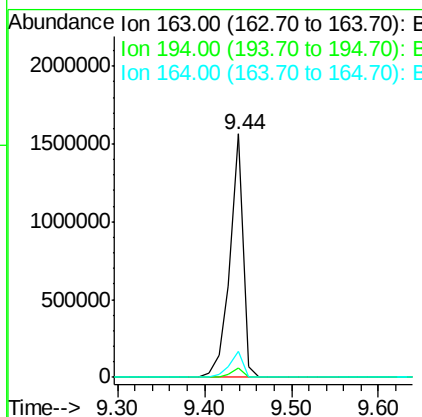
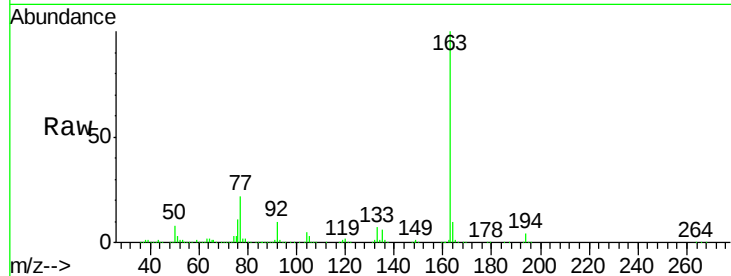
#49
Dimethylphthalate
Concen: 53.61 ng
RT: 9.44 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion:163 Resp: 1647330
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.4 8.6 12.8

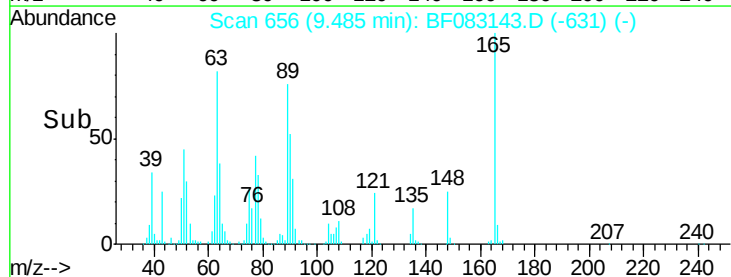
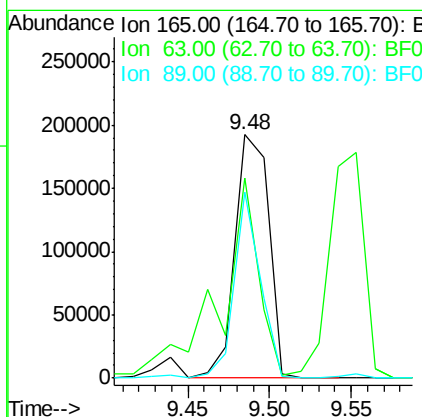
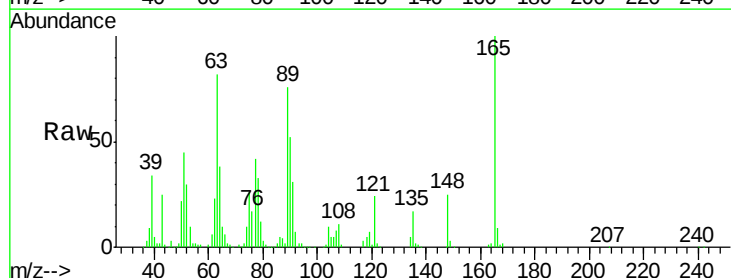
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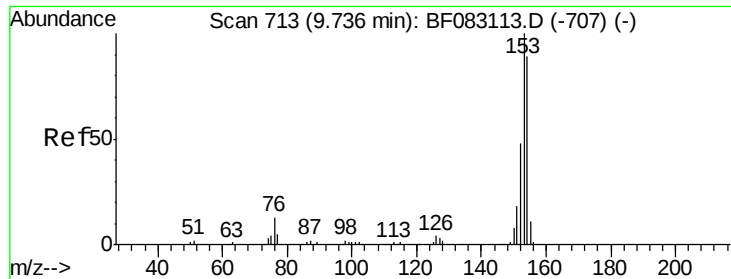
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#50
2,6-Dinitrotoluene
Concen: 39.77 ng
RT: 9.48 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion:165 Resp: 274179
Ion Ratio Lower Upper
165 100
63 82.3 62.5 93.7
89 76.3 59.1 88.7





#51

Acenaphthene

Concen: 39.00 ng

RT: 9.72 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

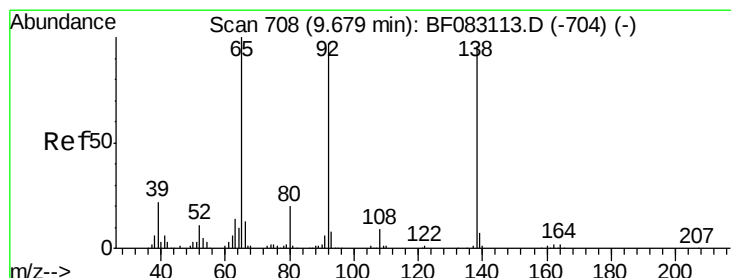
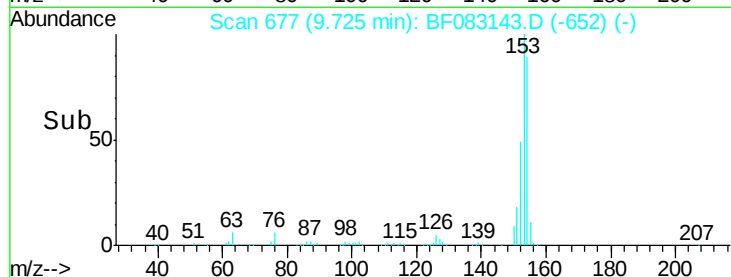
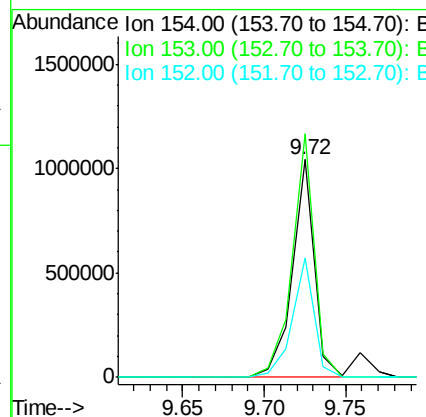
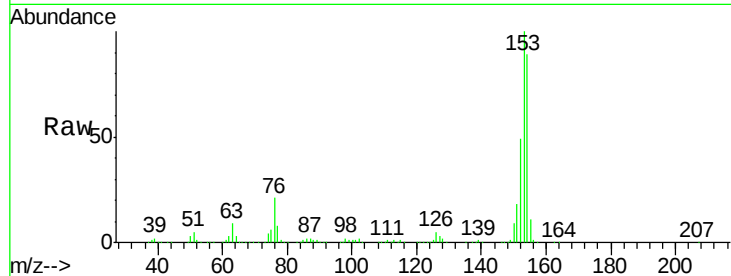
ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:	154	Resp:	981402
Ion Ratio	Lower	Upper	
154	100		
153	111.9	89.6	134.4
152	54.9	43.3	64.9

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#52

3-Nitroaniline

Concen: 19.48 ng

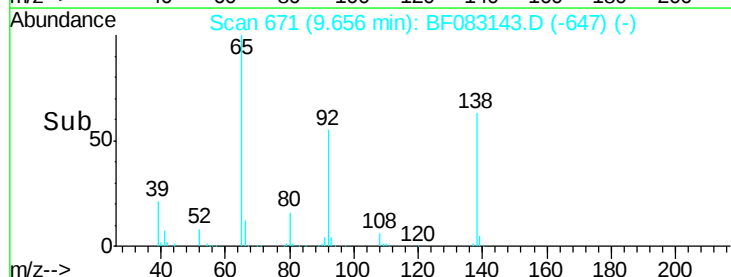
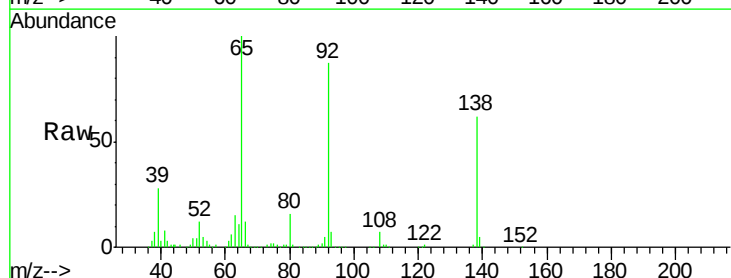
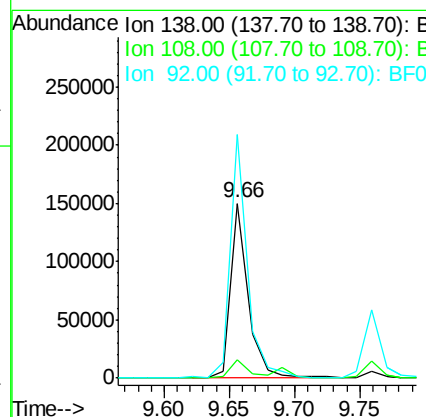
RT: 9.66 min Scan# 671

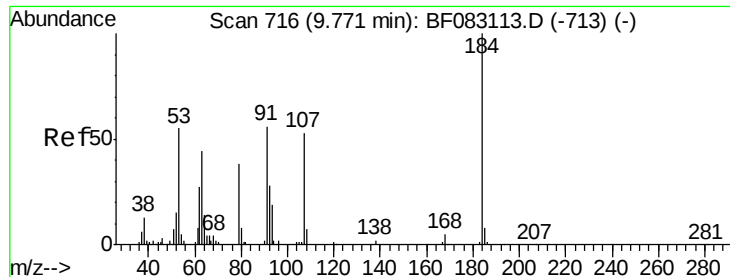
Delta R.T. -0.02 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Tgt Ion:	138	Resp:	143206
Ion Ratio	Lower	Upper	
138	100		
108	10.8	7.8	11.6
92	139.4	81.1	121.7#





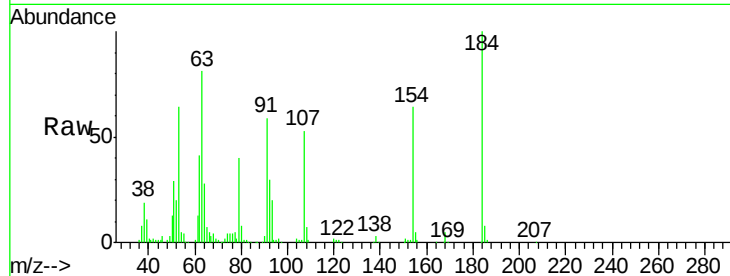
#53
2,4-Dinitrophenol
Concen: 46.07 ng
RT: 9.76 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

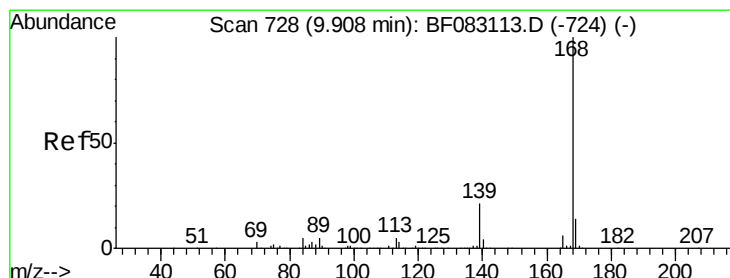
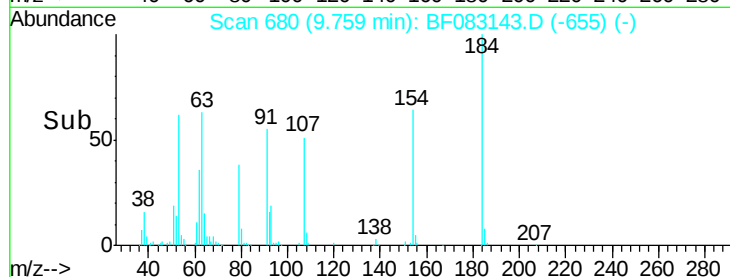
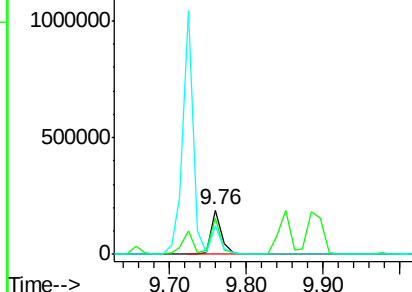
Tot Ion	Ratio	Resp	Lower	Upper
184	100	183013		
63	81.2	60.5	90.7	
154	63.6	54.3	81.5	

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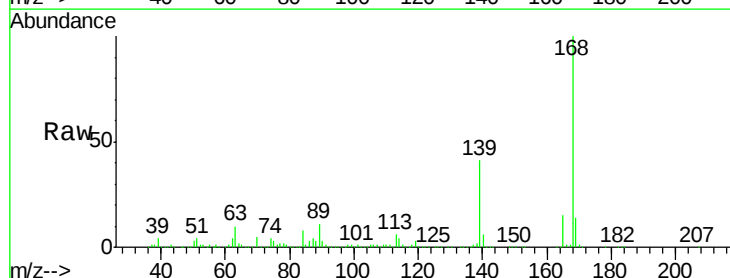


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

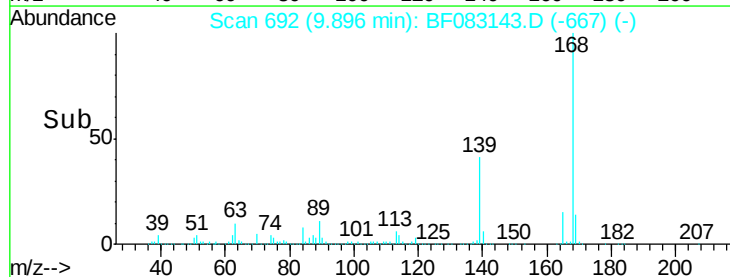
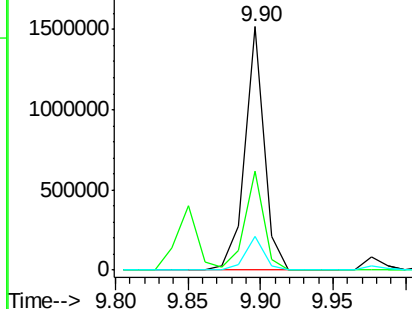


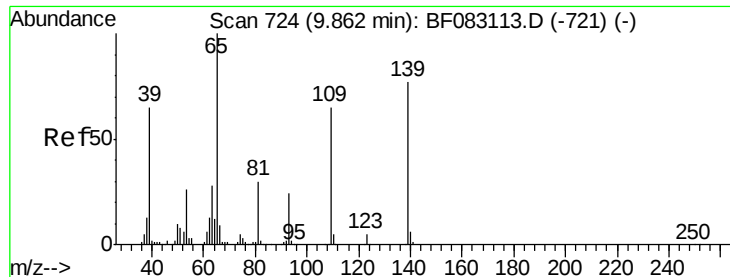
#54
Dibenzofuran
Concen: 39.25 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1396615		
139	40.6	30.2	45.2	
169	14.1	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





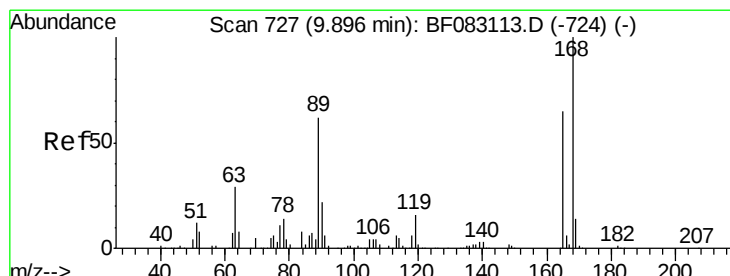
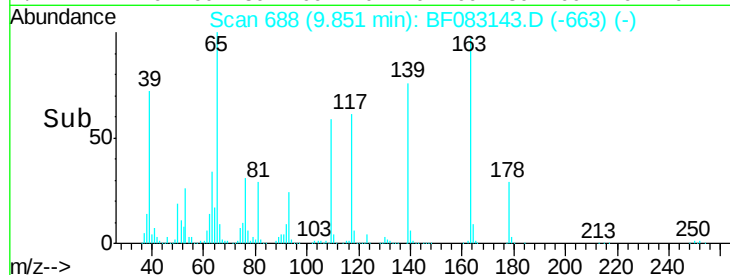
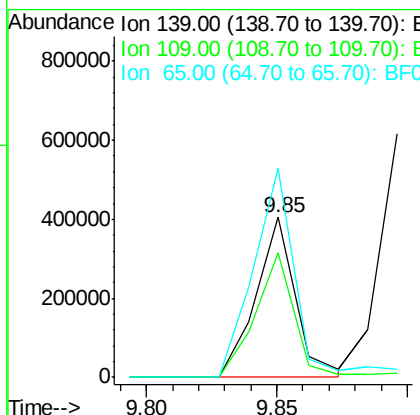
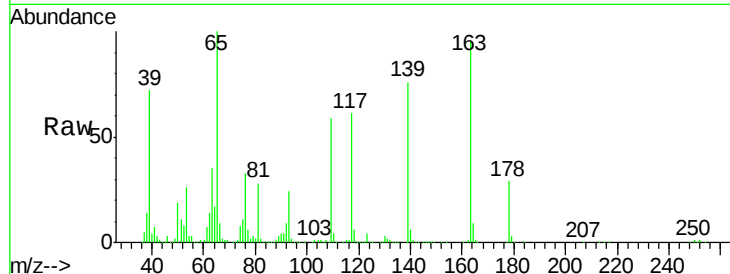
#55
4-Nitrophenol
Concen: 75.34 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
139	100		
109	77.5	64.0	104.0
65	130.9	109.5	149.5

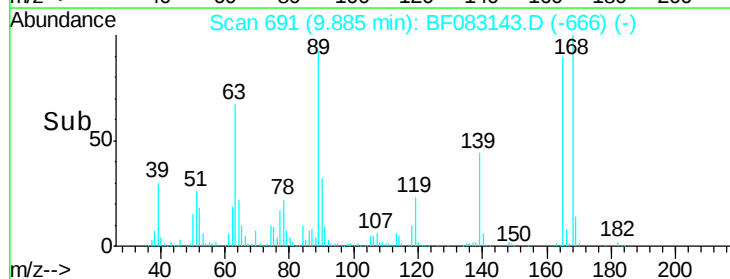
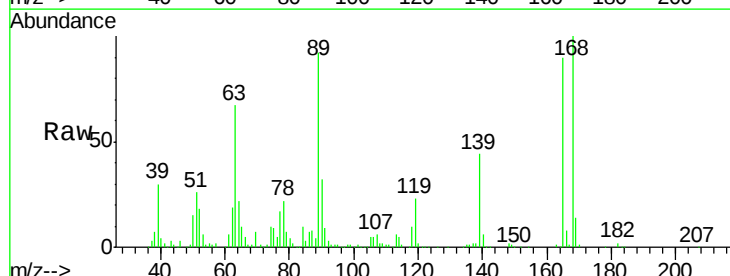
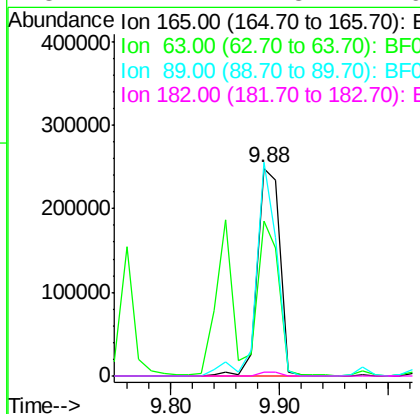
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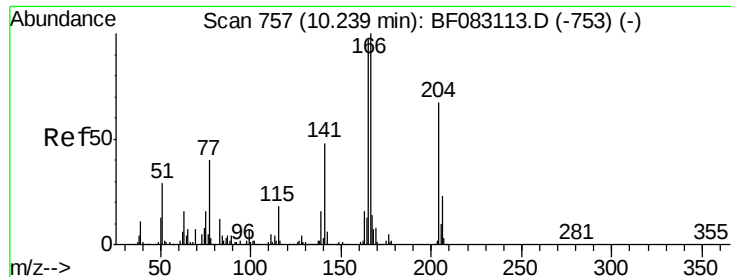
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#56
2,4-Dinitrotoluene
Concen: 41.00 ng
RT: 9.88 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	74.7	54.5	81.7
89	103.0	77.3	115.9
182	2.1	1.8	2.6





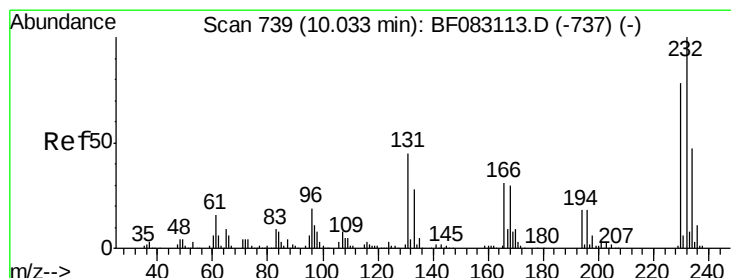
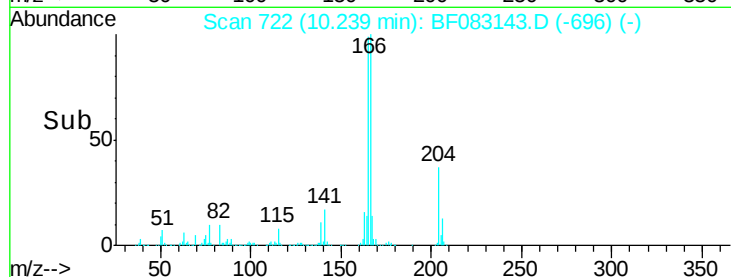
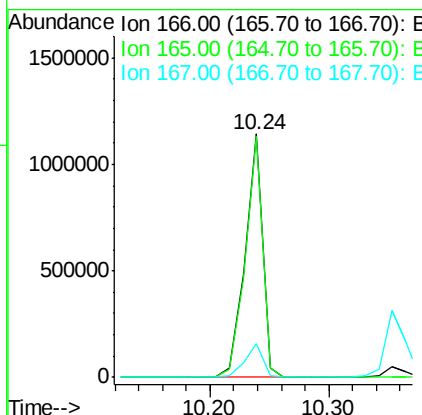
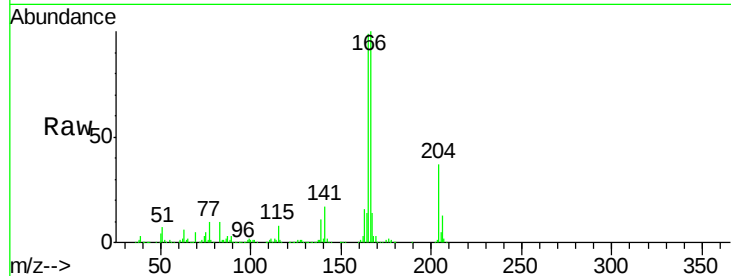
#57
Fluorene
 Concen: 40.02 ng
 RT: 10.24 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	98.9	78.0	117.0	
167	14.0	11.3	16.9	

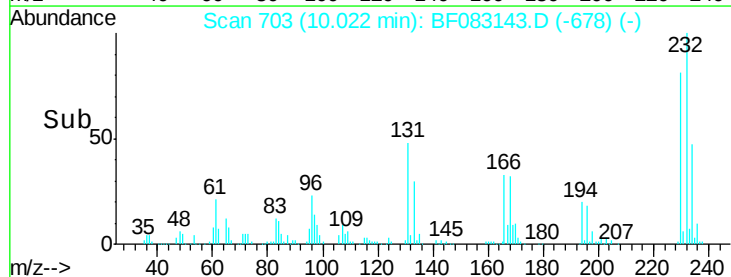
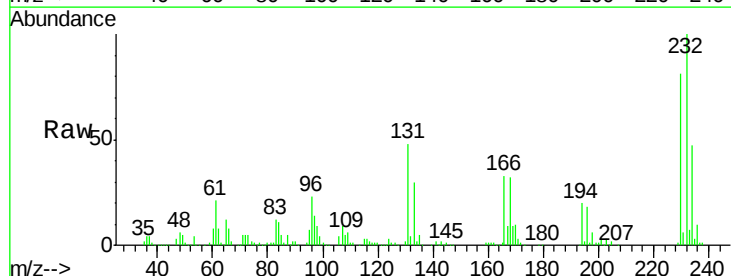
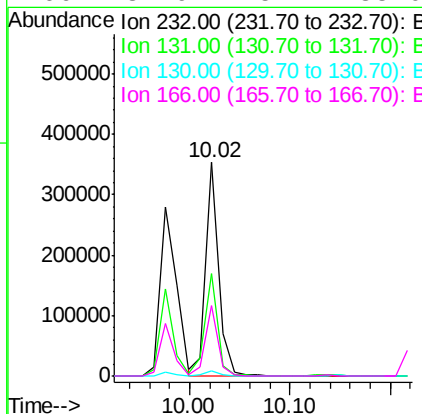
Manual Integrations
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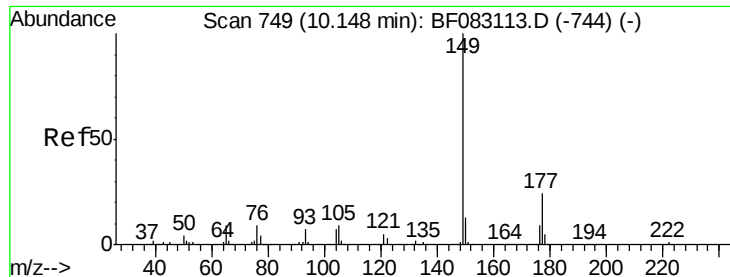
Mmdadoda
 11/23/2015 7:01:48 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 41.20 ng
 RT: 10.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ion	Ratio	Lower	Upper
232	100			
131	47.3	38.6	57.8	
130	2.3	1.9	2.9	
166	31.9	25.4	38.0	





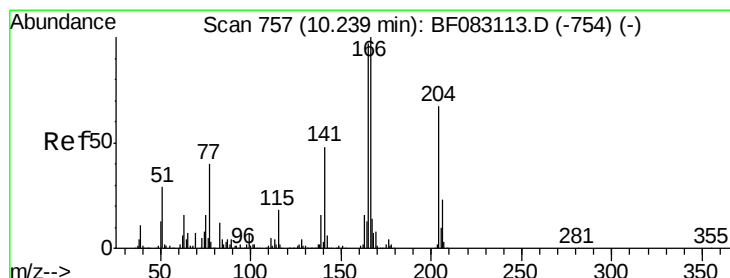
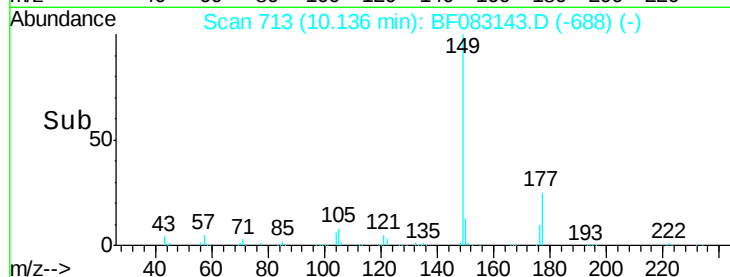
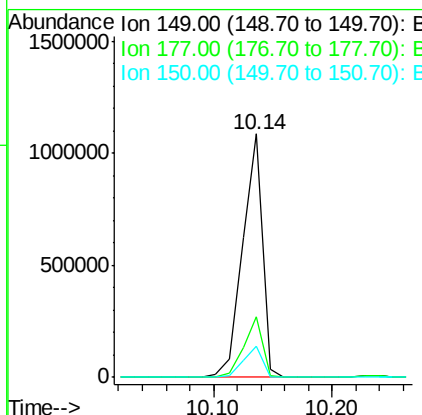
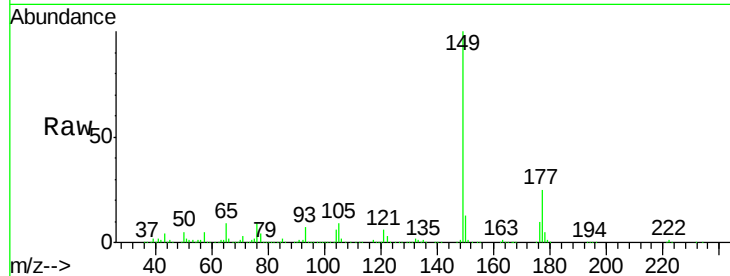
#59
Diethylphthalate
Concen: 41.54 ng
RT: 10.14 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
149	100		
177	24.6	19.4	29.2
150	12.5	10.2	15.2

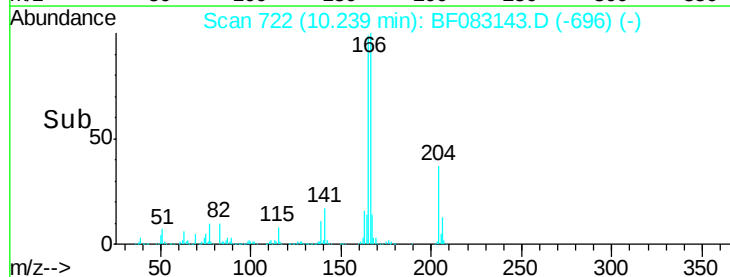
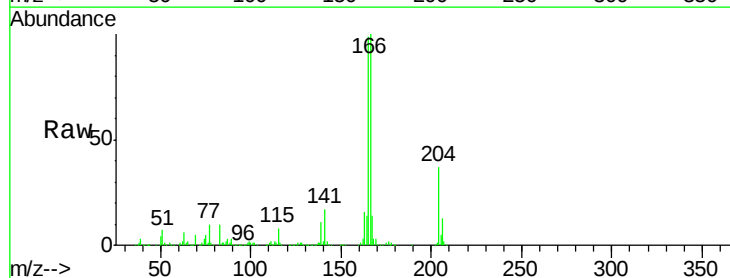
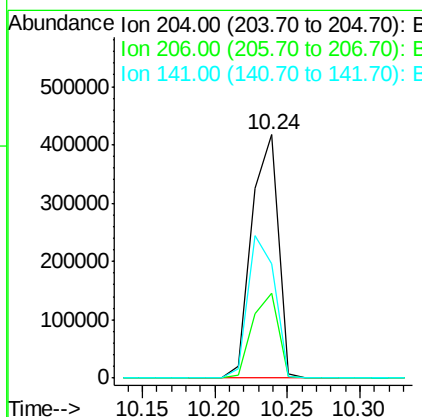
Manual Integrations
APPROVED

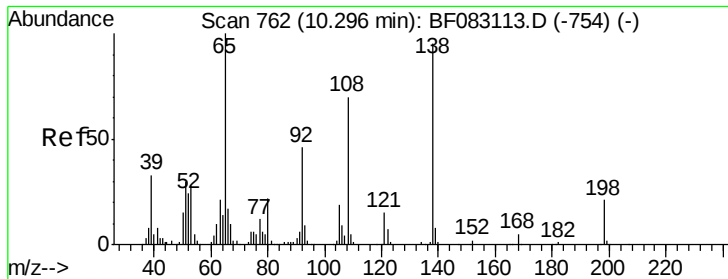
Mmdadoda
11/23/2015 7:01:48 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.28 ng
RT: 10.24 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.8	27.4	41.0
141	47.1	57.4	86.2#





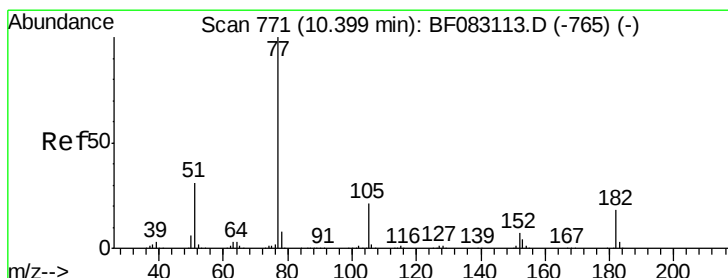
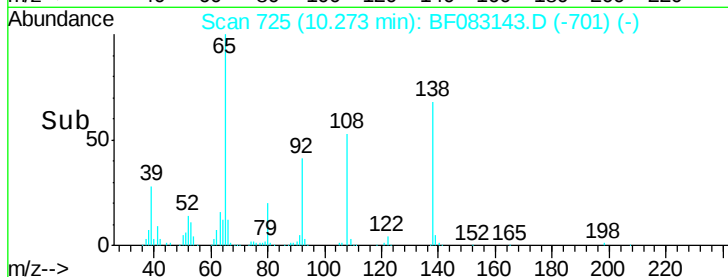
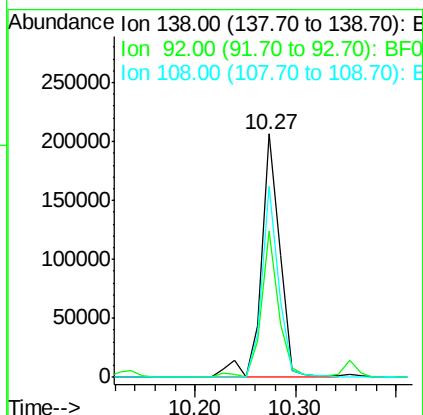
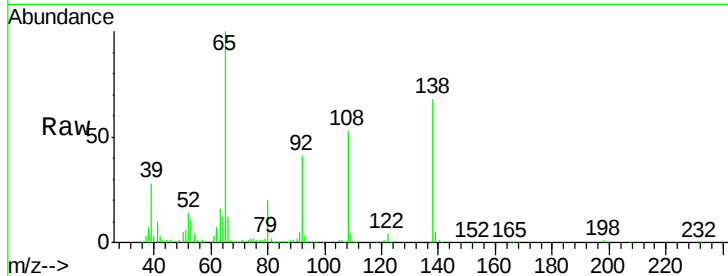
#61
4-Nitroaniline
Concen: 36.90 ng
RT: 10.27 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp	Lower	Upper
138	100	267031		
92	60.2	28.4	68.4	
108	78.4	53.5	93.5	

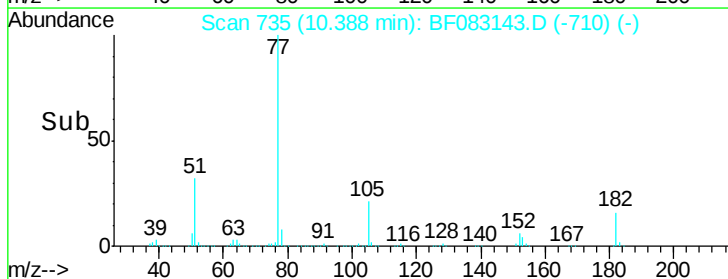
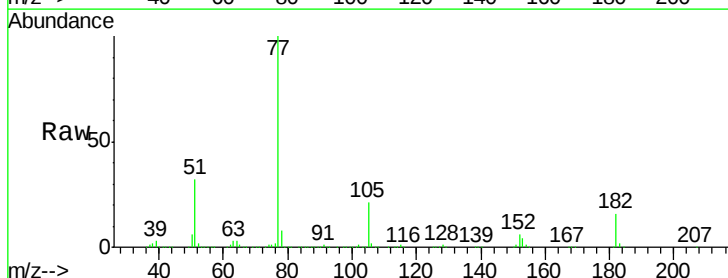
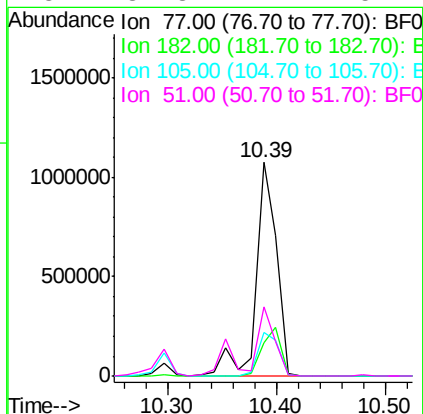
Manual Integrations
APPROVED

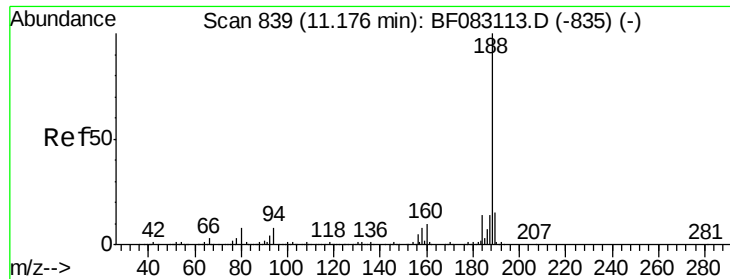
Mmdadoda
11/23/2015 7:01:48 PM



#62
Azobenzene
Concen: 40.87 ng
RT: 10.39 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1426893		
182	15.7	0.0	38.3	
105	20.6	1.2	41.2	
51	32.3	11.1	51.1	





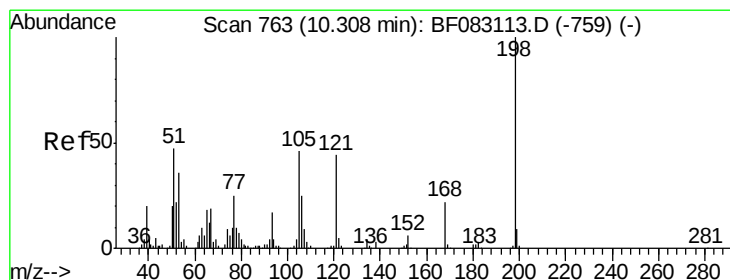
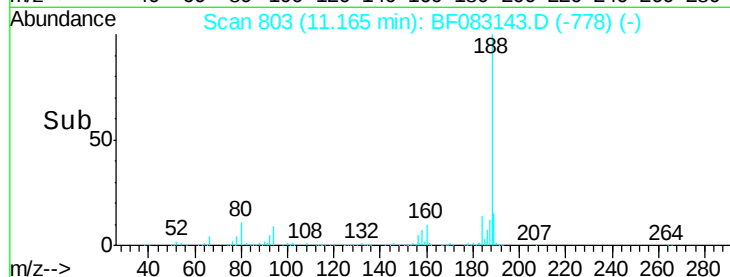
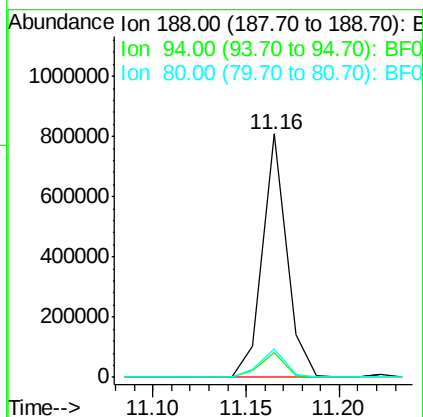
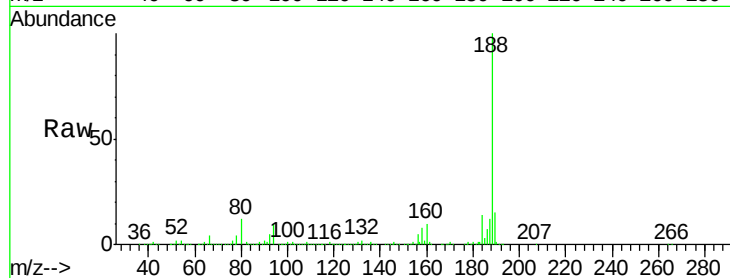
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	726743		
94	10.2	6.0	9.0#	
80	11.6	6.7	10.1#	

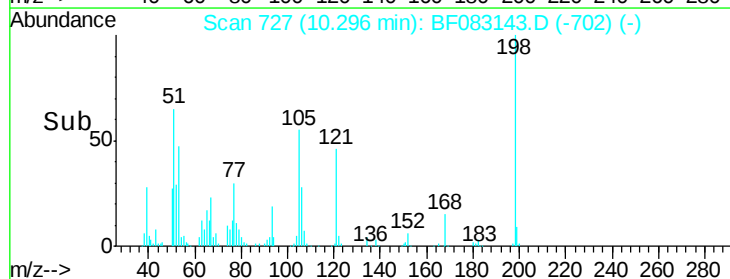
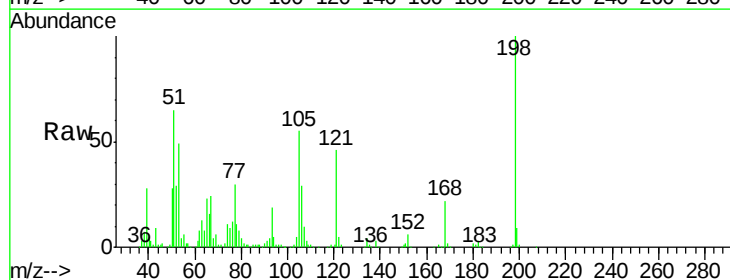
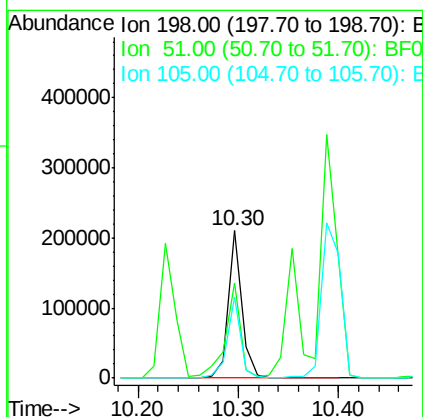
Manual Integrations
APPROVED

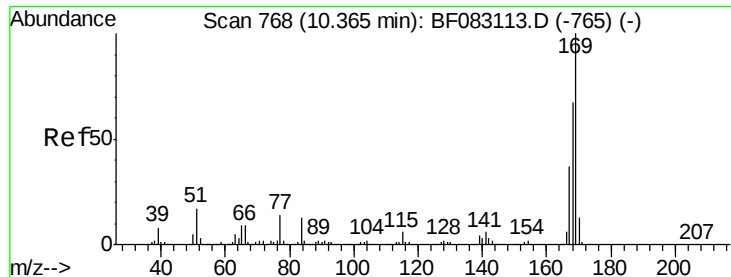
Mmdadoda
11/23/2015 7:01:48 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 39.41 ng
RT: 10.30 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	197339		
51	64.6	27.0	67.0	
105	54.8	26.1	66.1	





#65

n-Nitrosodiphenylamine

Concen: 38.81 ng

RT: 10.35 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:169 Resp: 959272

Ion Ratio Lower Upper

169 100

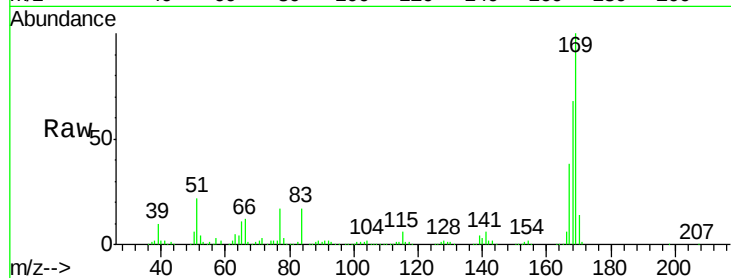
168 68.1 53.8 80.6

167 37.9 29.8 44.8

Manual Integrations
APPROVED

Mmdadoda

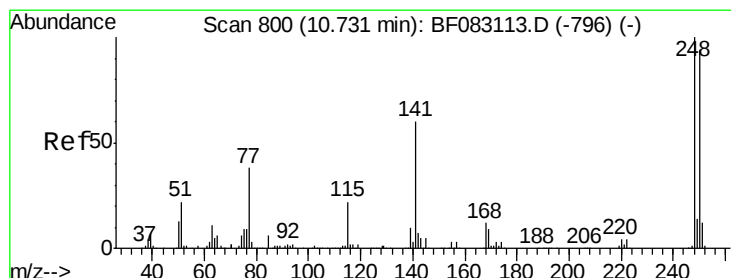
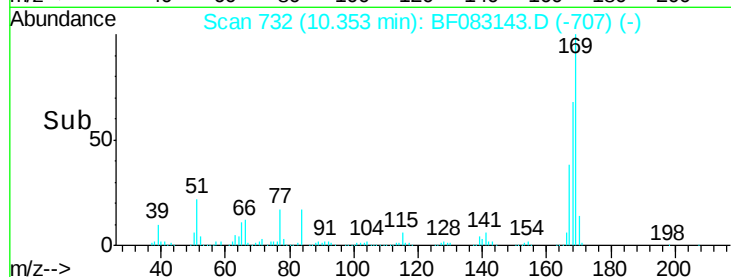
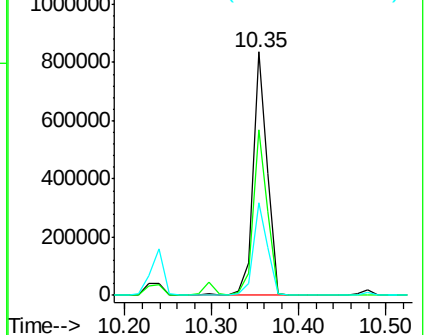
11/23/2015 7:01:48 PM



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: 41.60 ng

RT: 10.72 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

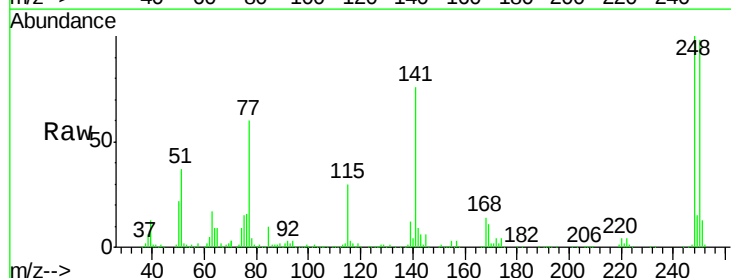
Tgt Ion:248 Resp: 335480

Ion Ratio Lower Upper

248 100

250 97.6 75.4 113.2

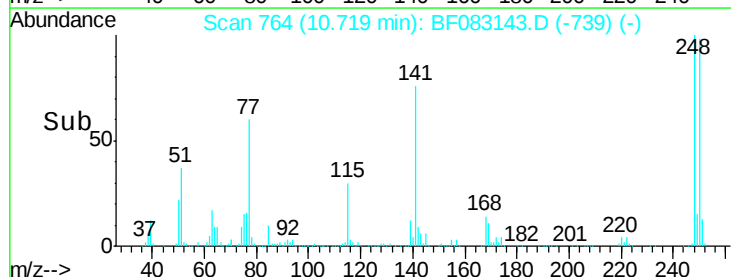
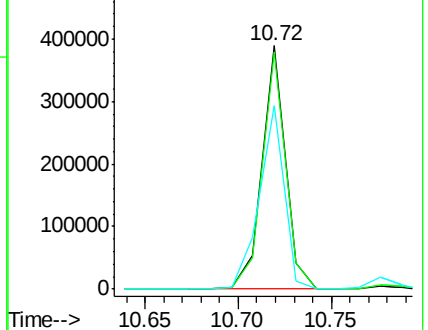
141 75.6 48.1 72.1#

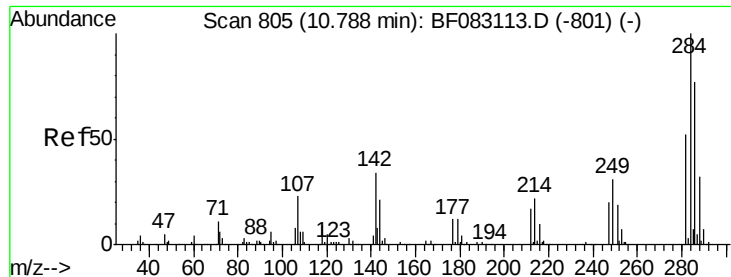


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





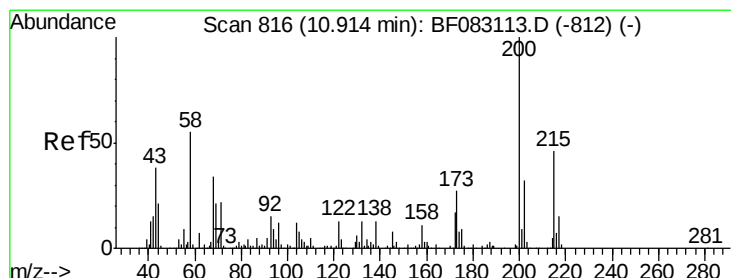
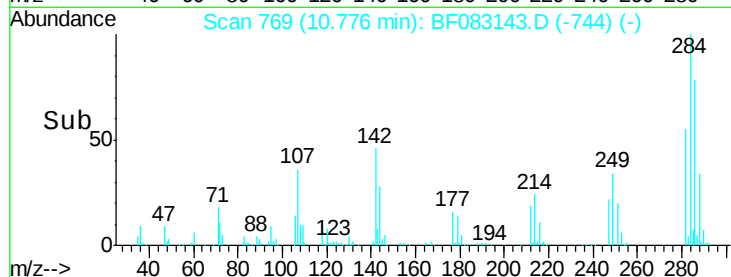
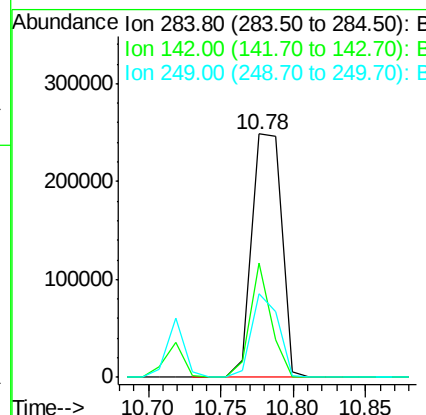
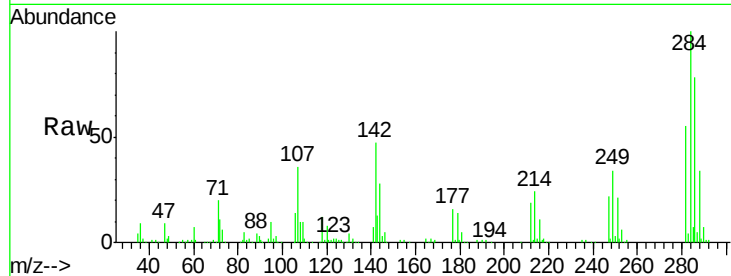
#67
Hexachlorobenzene
Concen: 40.10 ng
RT: 10.78 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	47.1	27.6	41.4#
249	34.2	25.5	38.3

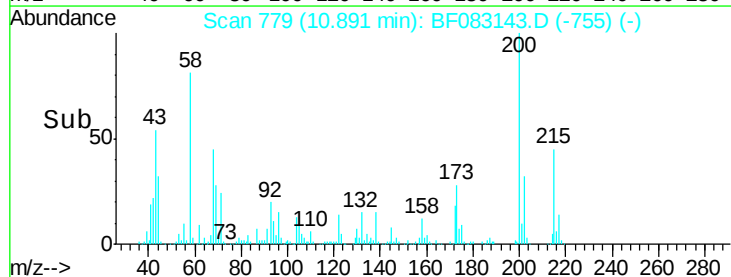
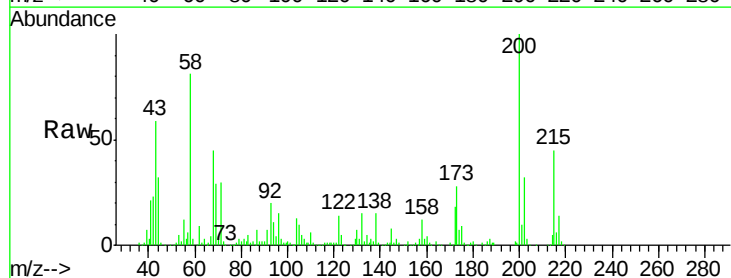
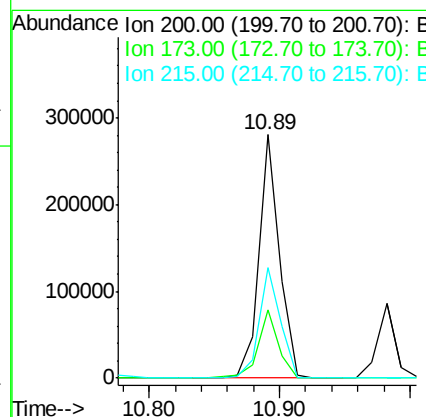
Manual Integrations
APPROVED

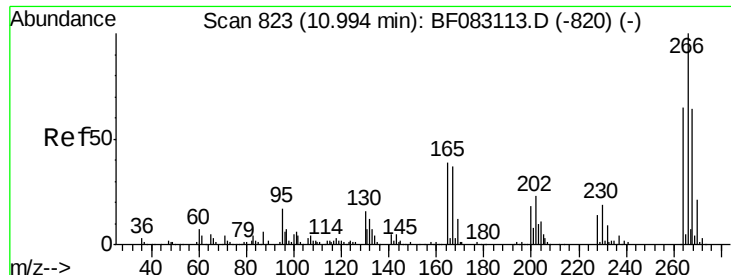
Mmdadoda
11/23/2015 7:01:48 PM



#68
Atrazine
Concen: 42.91 ng
RT: 10.89 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	28.0	7.2	47.2
215	45.1	25.7	65.7





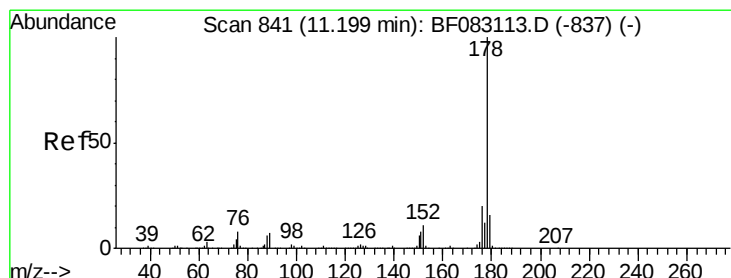
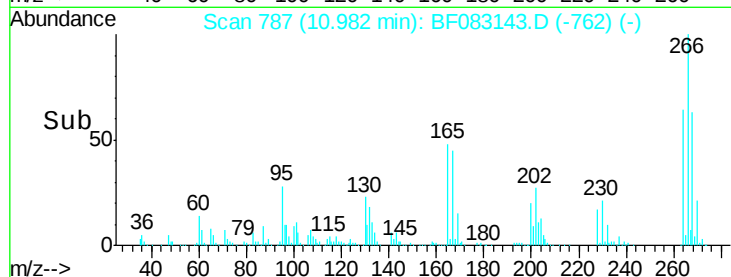
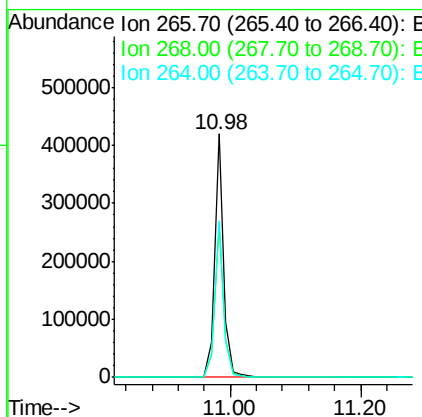
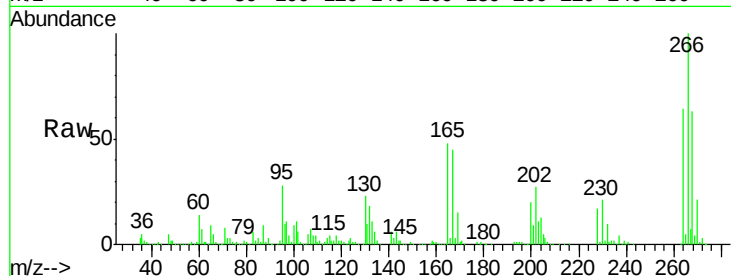
#69
 Pentachlorophenol
 Concen: 71.71 ng
 RT: 10.98 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.5	51.4	77.0
264	64.3	51.7	77.5

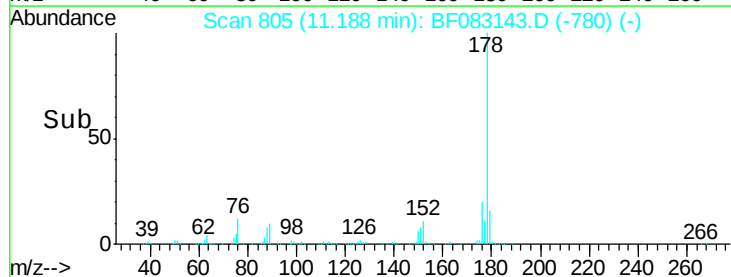
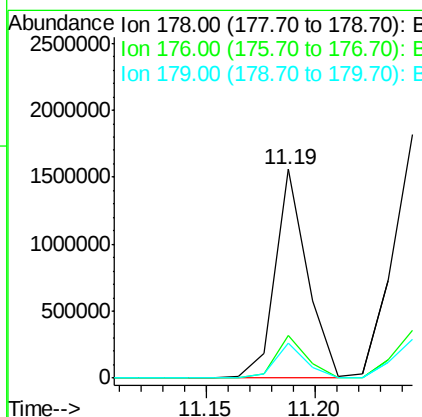
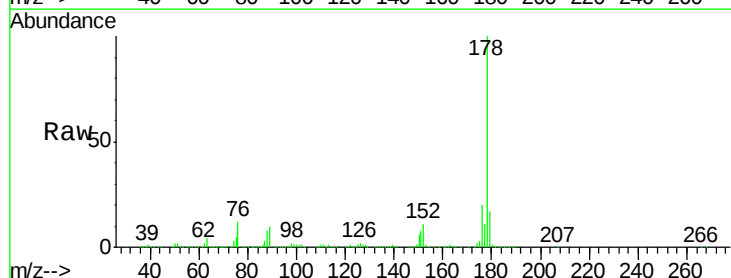
Manual Integrations
 APPROVED

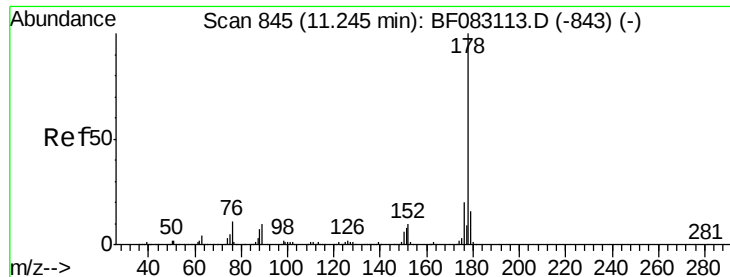
Mmdadoda
 11/23/2015 7:01:48 PM



#70
 Phenanthrene
 Concen: 38.20 ng
 RT: 11.19 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.2
179	16.7	12.8	19.2





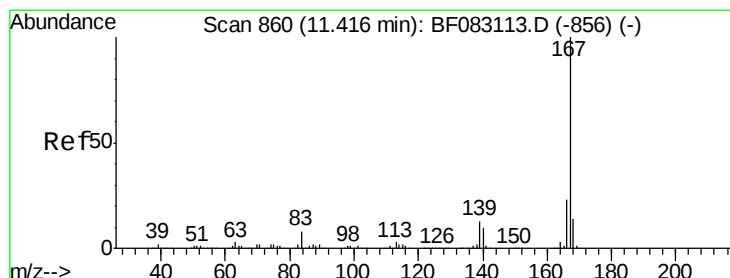
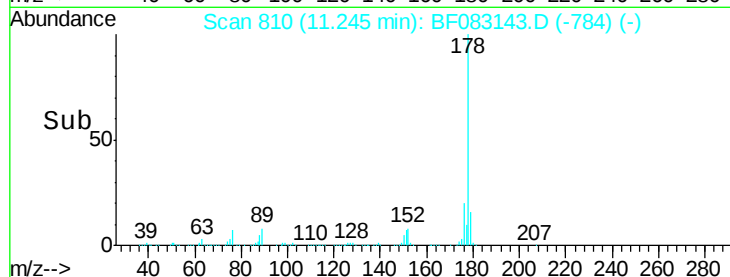
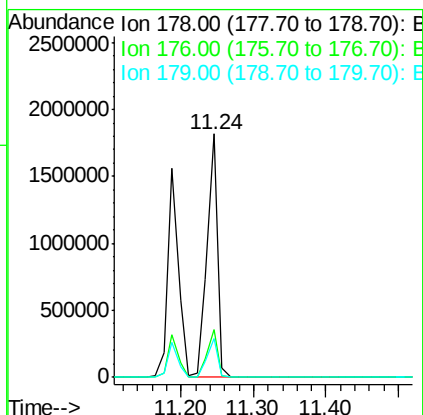
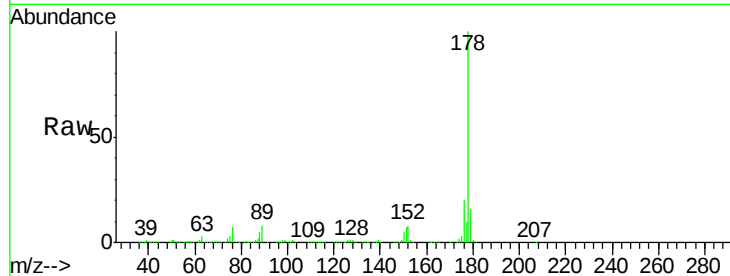
#71
 Anthracene
 Concen: 42.69 ng
 RT: 11.24 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion:178 Resp: 1823520
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 15.9 13.2 19.8

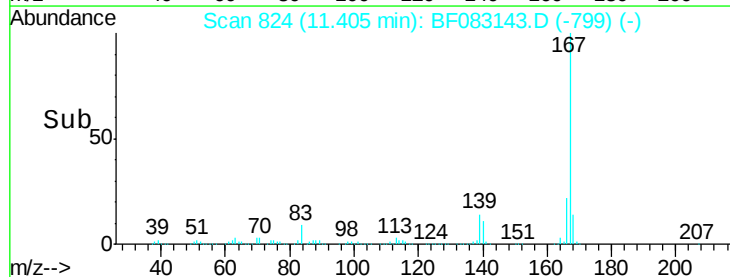
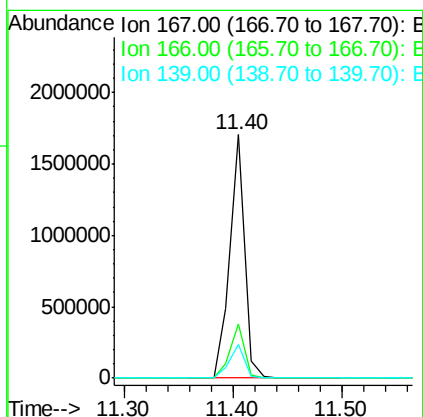
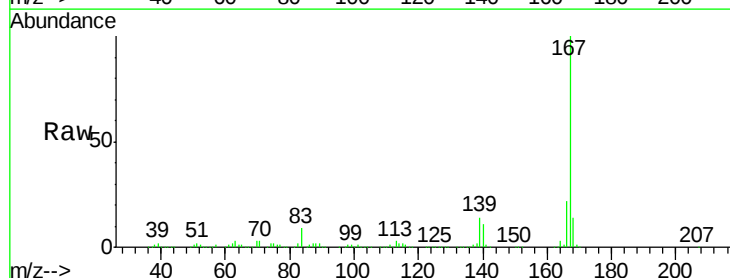
Manual Integrations
 APPROVED

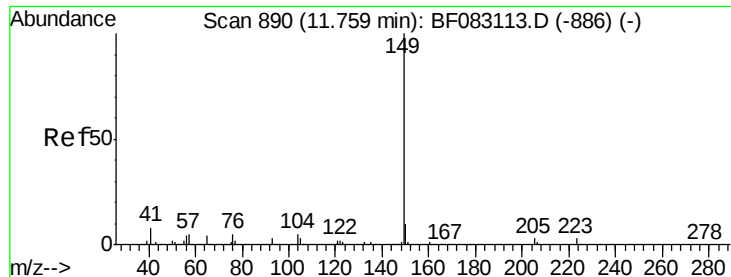
Mmdadoda
 11/23/2015 7:01:48 PM



#72
 Carbazole
 Concen: 42.33 ng
 RT: 11.40 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion:167 Resp: 1607361
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.0 27.0
 139 13.6 10.5 15.7





#73

Di-n-butylphthalate

Concen: 41.91 ng

RT: 11.75 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:149 Resp: 1942595

Ion Ratio Lower Upper

149 100

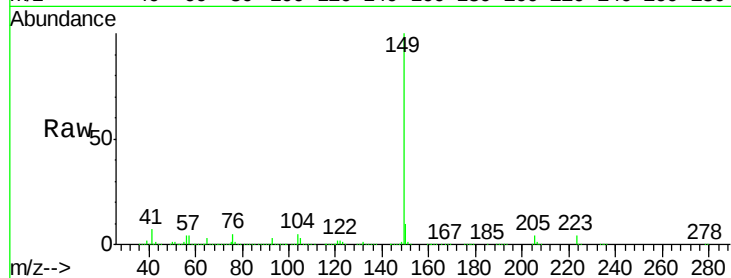
150 9.7 8.0 12.0

104 4.7 4.4 6.6

Manual Integrations
APPROVED

Mmdadoda

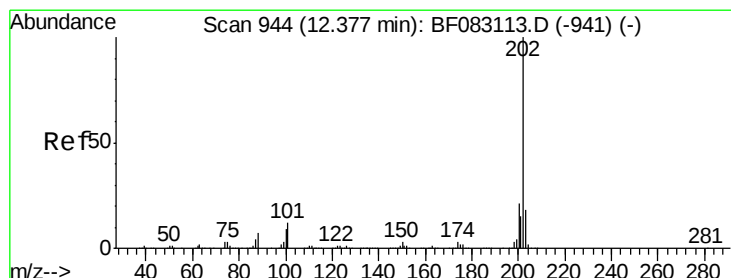
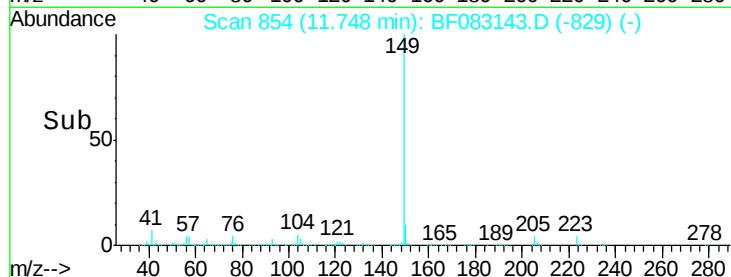
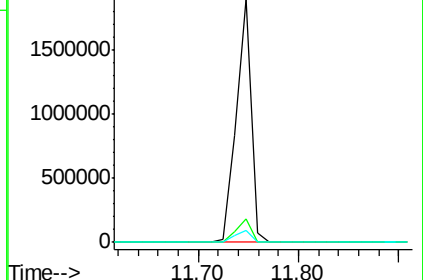
11/23/2015 7:01:48 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.79 ng

RT: 12.37 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

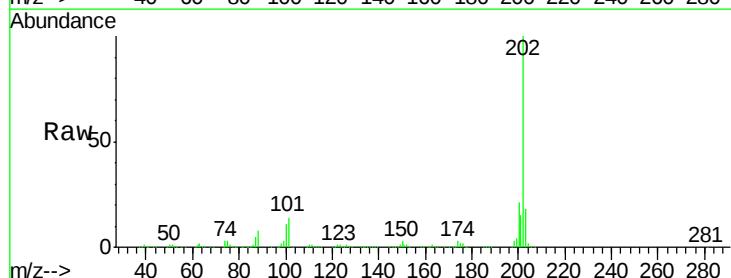
Tgt Ion:202 Resp: 1705102

Ion Ratio Lower Upper

202 100

101 14.4 0.0 32.3

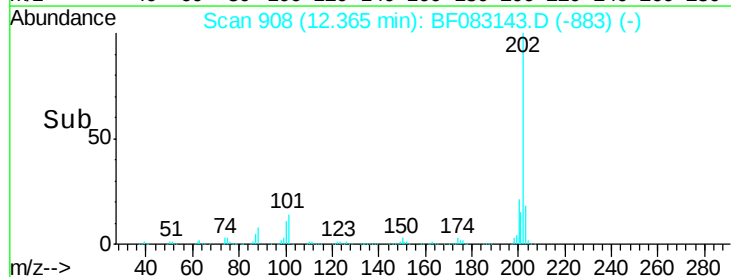
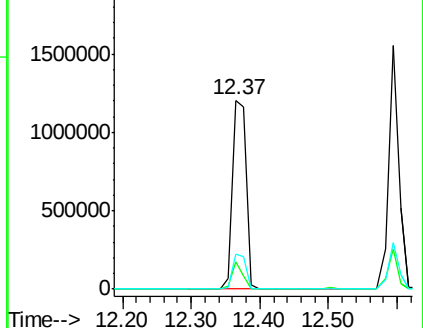
203 18.4 0.0 38.4

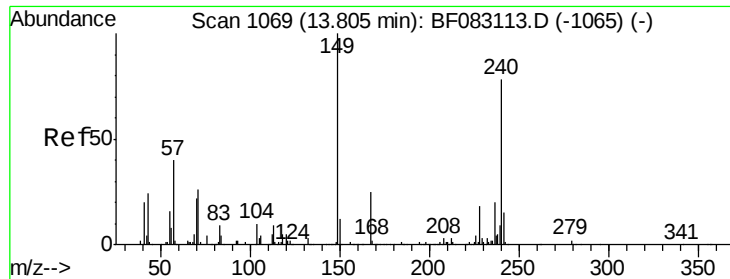


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





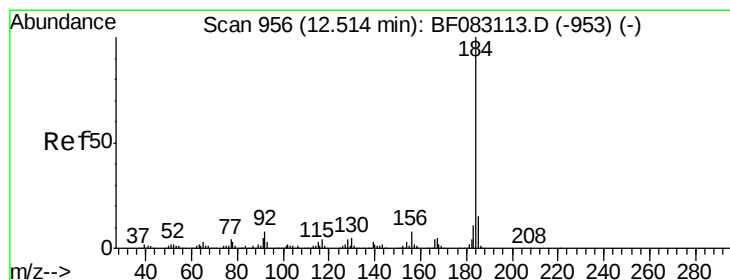
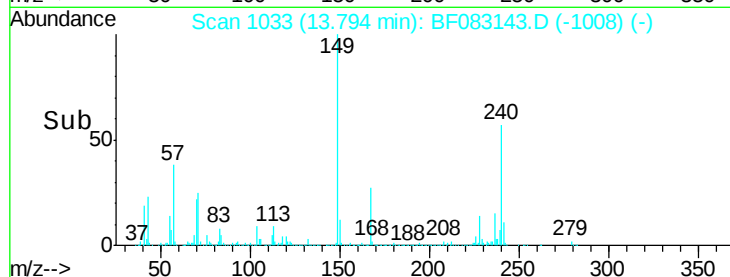
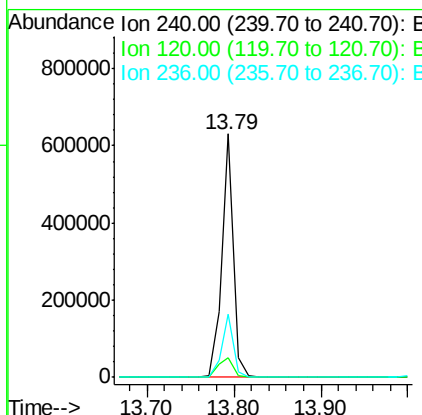
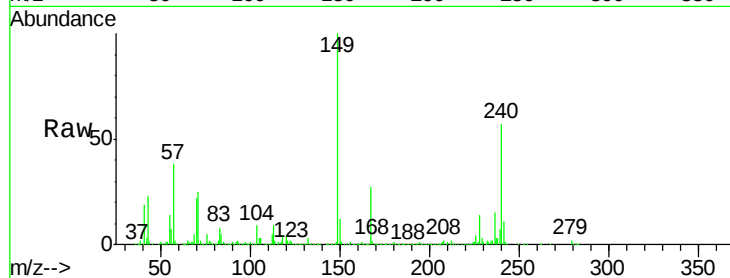
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.8	5.4	8.2
236	26.0	20.6	31.0

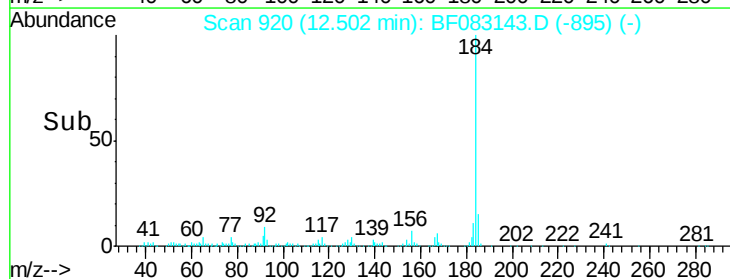
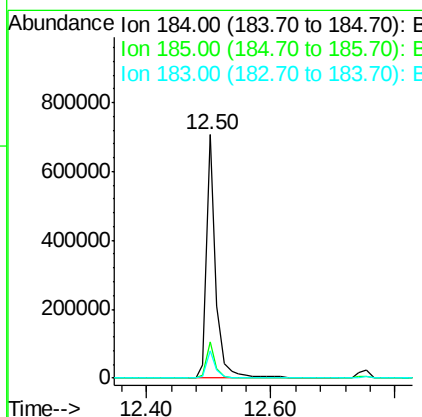
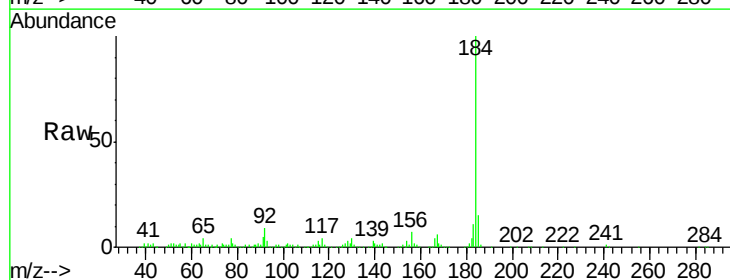
Manual Integrations
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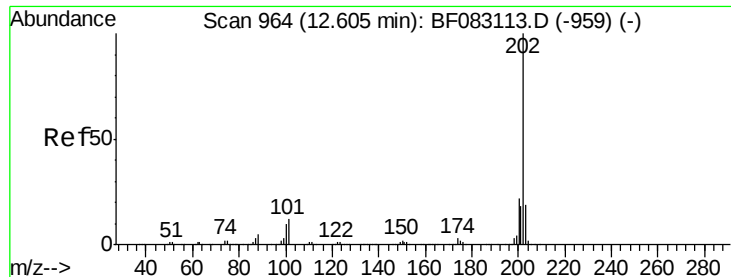
Mmdadoda
 11/23/2015 7:01:48 PM



#76
 Benzidine
 Concen: 47.42 ng
 RT: 12.50 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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





#77

Pvrene

Concen: 39.62 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

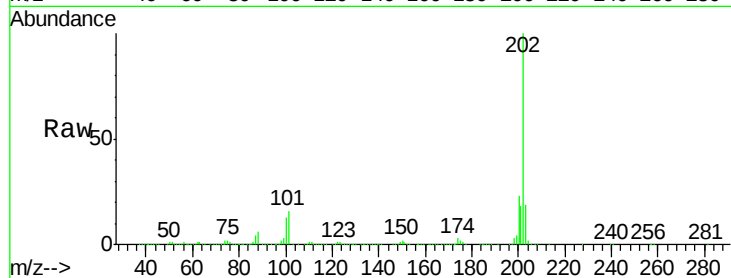
ClientSampleId :

SB-23(7.5-9.5)MSD

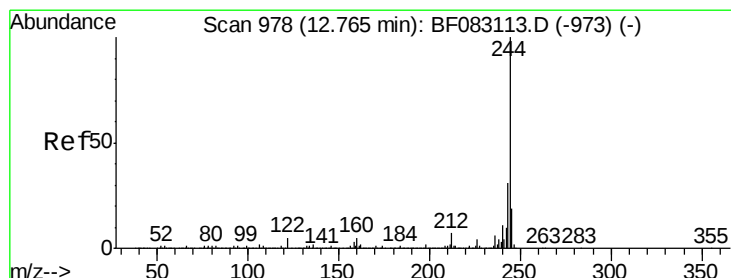
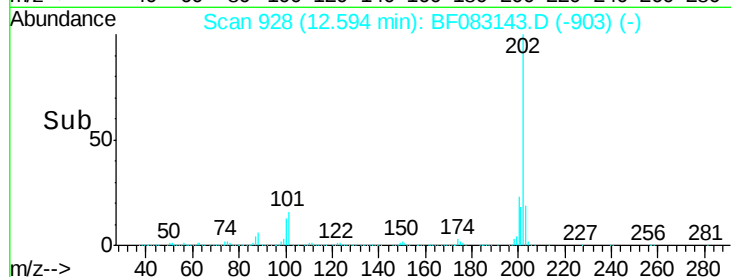
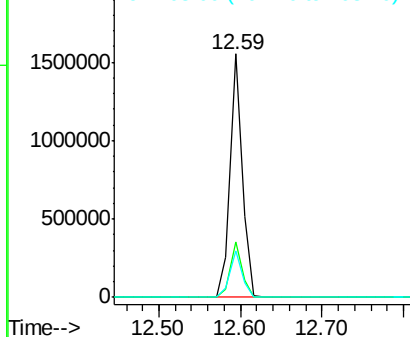
Tot Ion:	202	Resp:	1610664
Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.8	26.6
203	19.0	15.0	22.4

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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: 84.73 ng

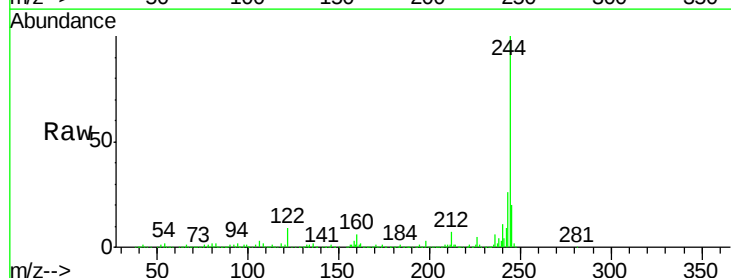
RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

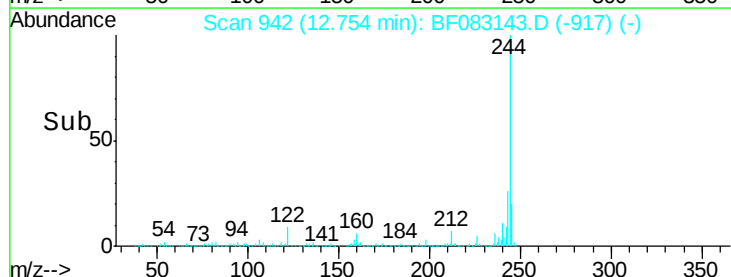
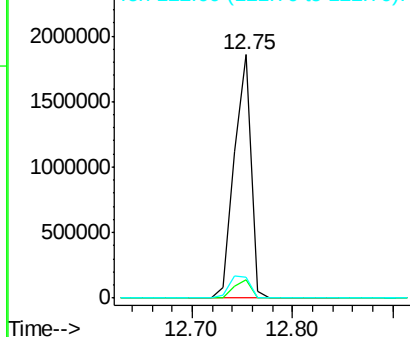
Lab File: BF083143.D

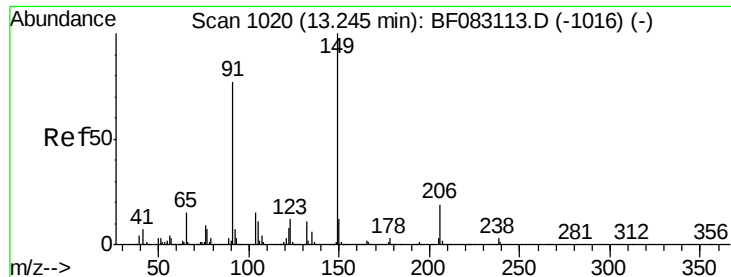
Acq: 22 Nov 2015 7:28

Tgt Ion:	244	Resp:	2140930
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.2
122	8.5	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





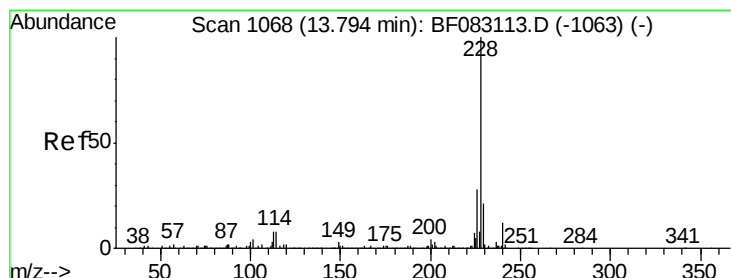
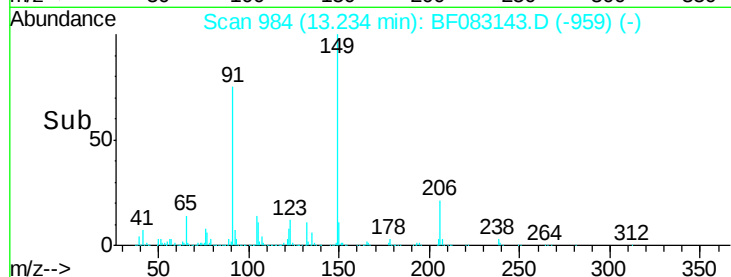
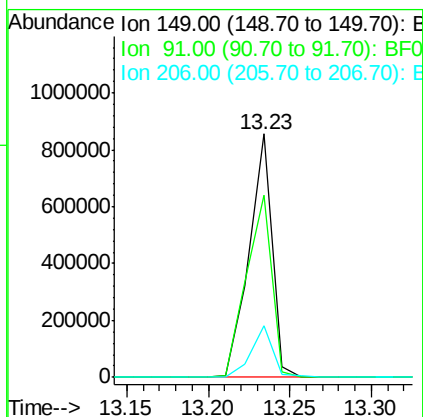
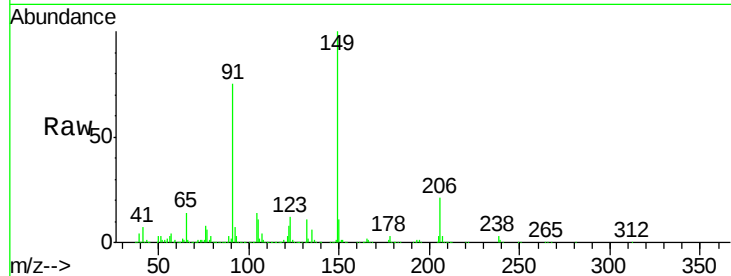
#79
Butylbenzylphthalate
Concen: 43.66 ng
RT: 13.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.7	61.5	92.3
206	21.2	15.3	22.9

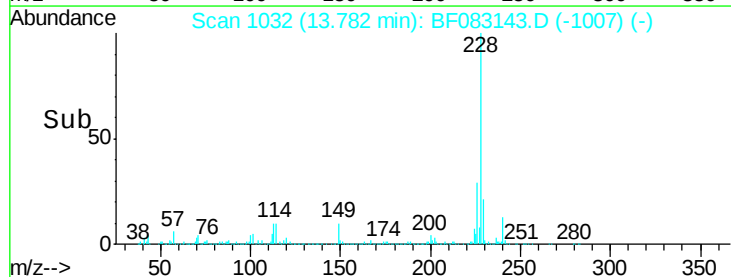
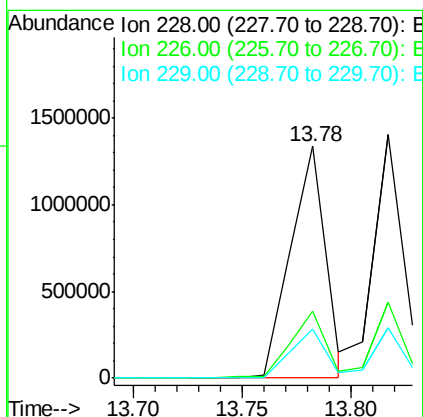
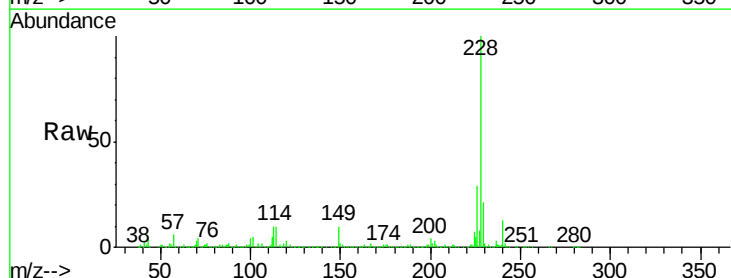
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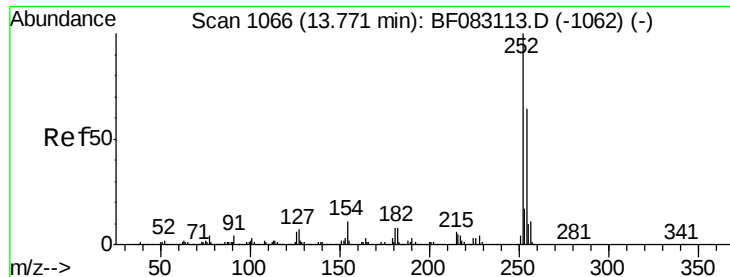
Mmdadoda
11/23/2015 7:01:48 PM



#80
Benzo(a)anthracene
Concen: 41.06 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.1	16.6	24.8





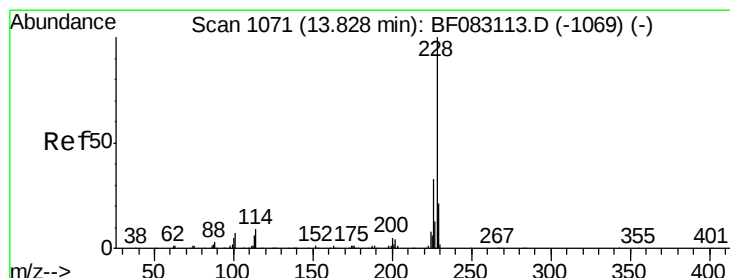
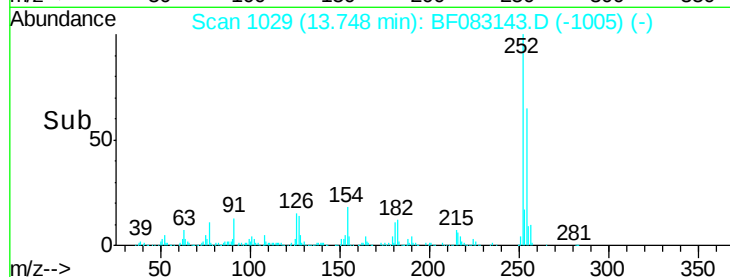
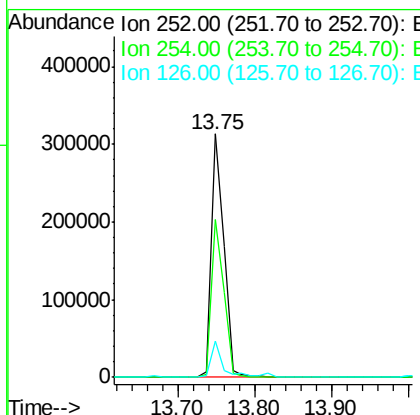
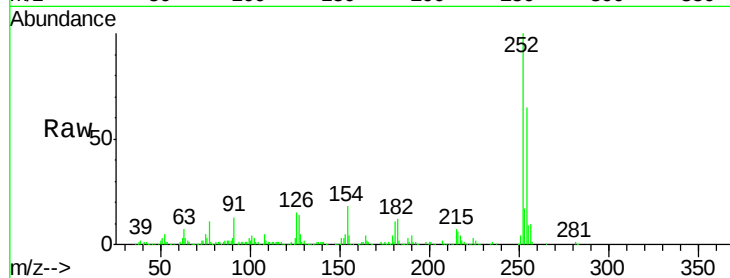
#81
 3,3'-Dichlorobenzidine
 Concen: 27.23 ng
 RT: 13.75 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	348776		
254	65.1	51.5	77.3	
126	14.9	5.2	7.8	

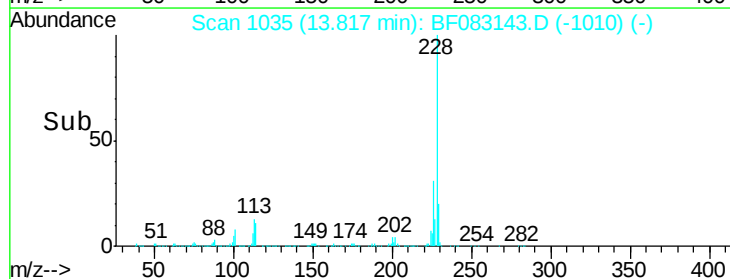
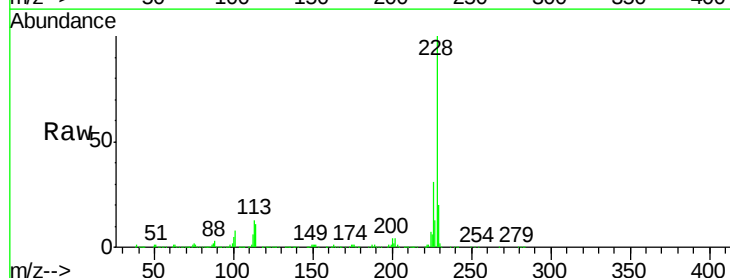
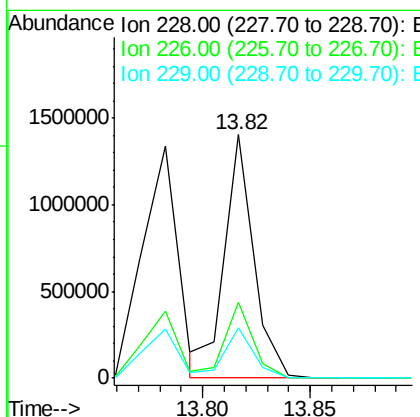
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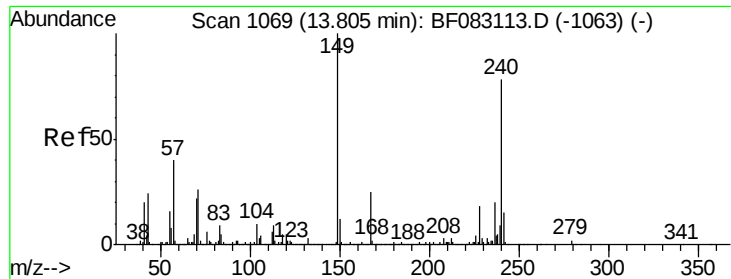
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 11/23/2015 7:01:48 PM



#82
 Chrysene
 Concen: 39.07 ng m
 RT: 13.82 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1333279		
226	30.9	25.5	38.3	
229	20.4	16.6	25.0	





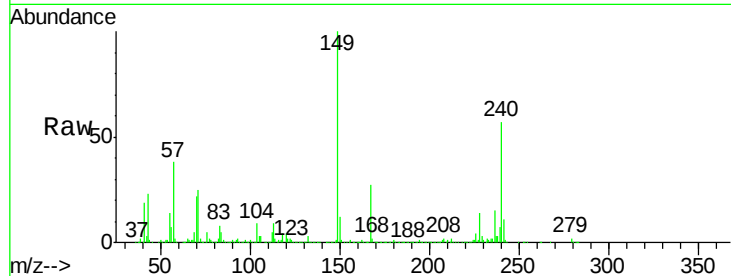
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.73 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

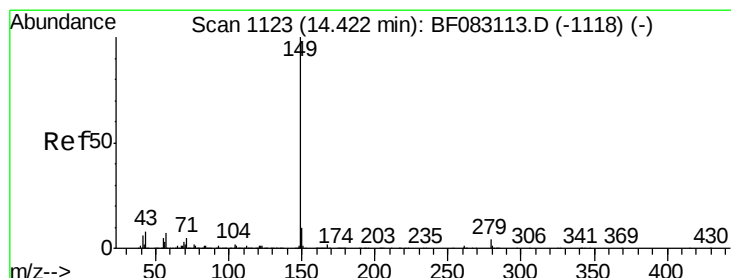
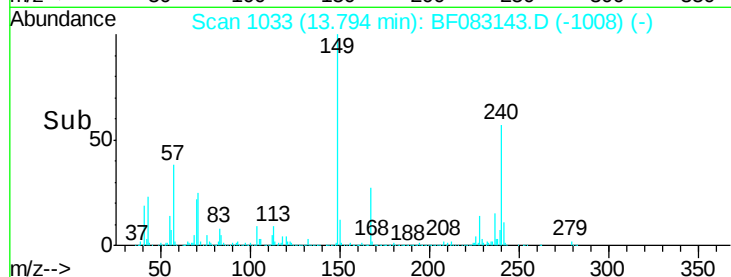
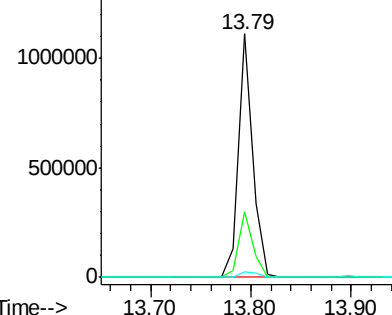
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.1	30.1
279	2.5	1.7	2.5

Manual Integrations
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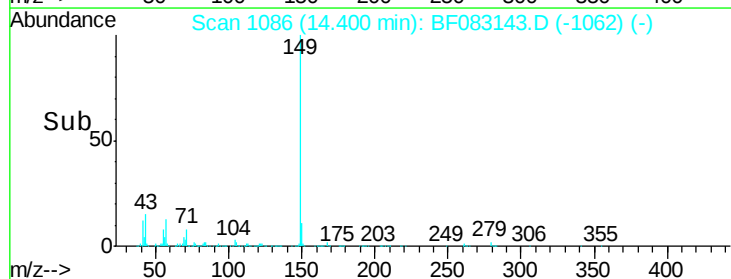
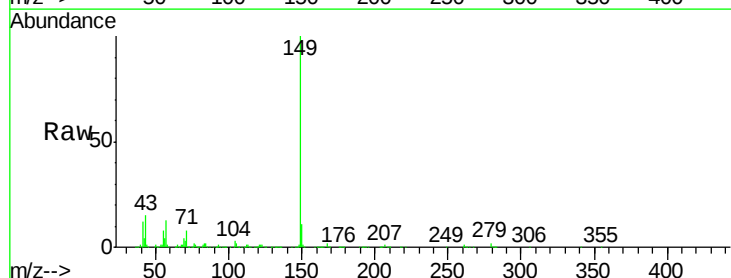
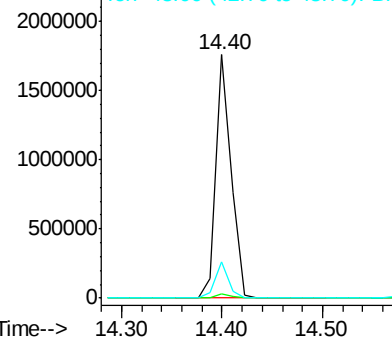
Abundance Ion 149.00 (148.70 to 149.70): E
 1500000 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

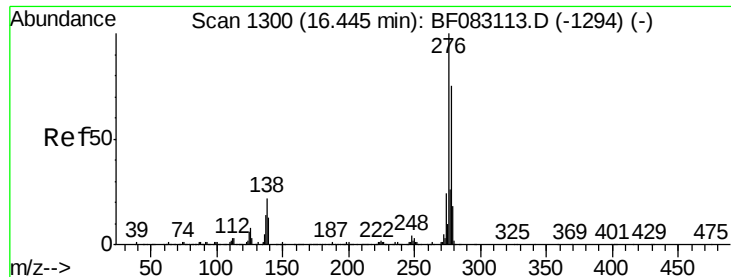


#84
 Di-n-octyl phthalate
 Concen: 42.79 ng
 RT: 14.40 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.0	9.5	14.3

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





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.09 ng

RT: 16.42 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF083143.D

Acq: 22 Nov 2015 7:28

Instrument :

BNA_F

ClientSampleId :

SB-23(7.5-9.5)MSD

Tot Ion:276 Resp: 1275381

Ion Ratio Lower Upper

276 100

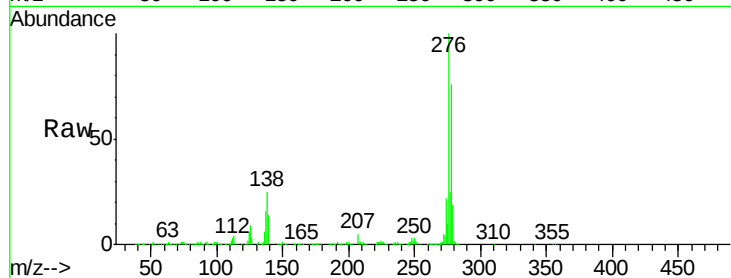
138 24.8 18.0 27.0

277 25.1 20.2 30.4

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Mmdadoda

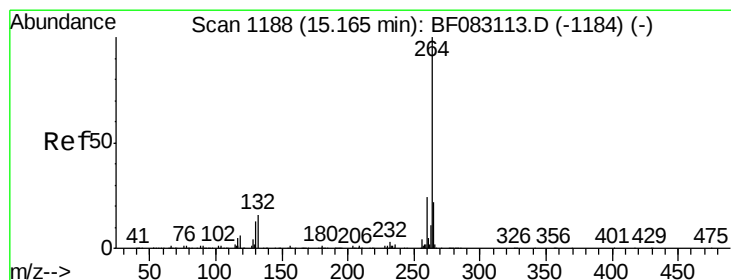
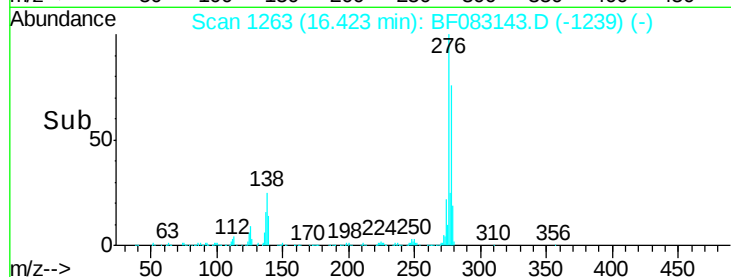
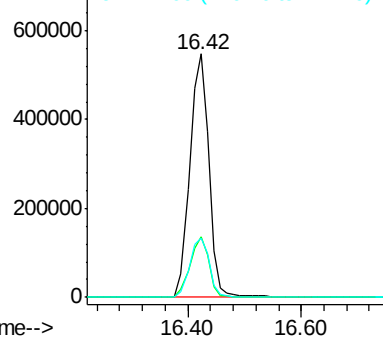
11/23/2015 7:01:48 PM



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: BF083143.D

Acq: 22 Nov 2015 7:28

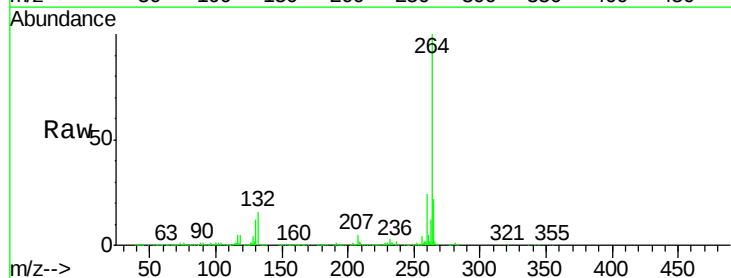
Tgt Ion:264 Resp: 538131

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

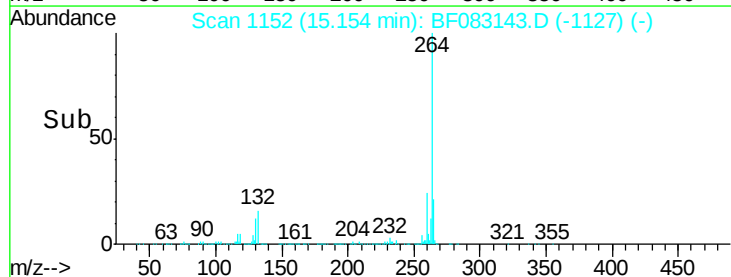
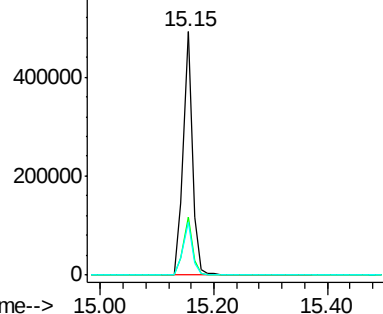
265 21.6 18.2 27.4

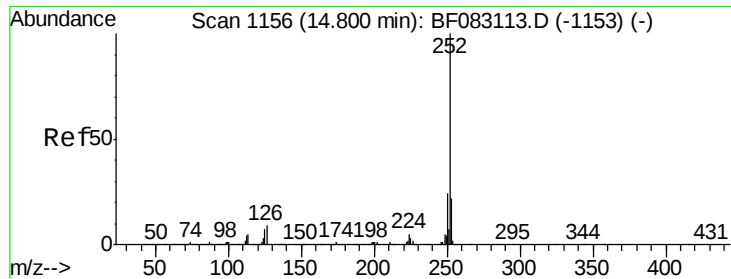


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





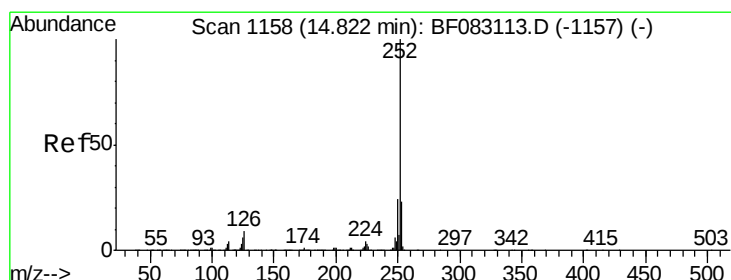
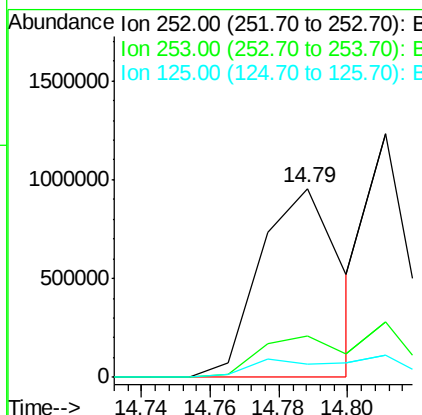
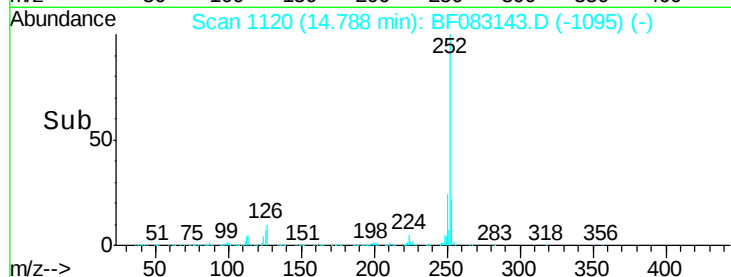
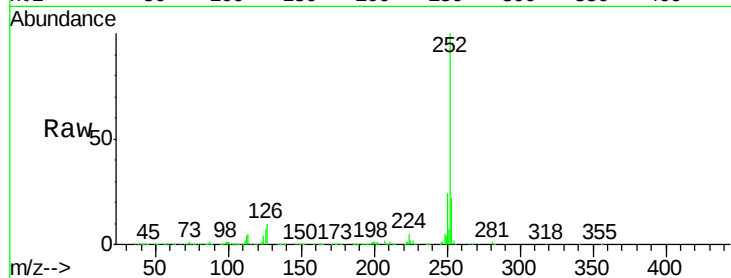
#87
Benzo(b)fluoranthene
Concen: 42.49 ng m
RT: 14.79 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	7.2	5.6	8.4

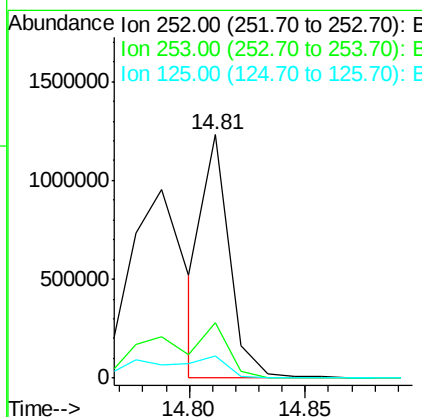
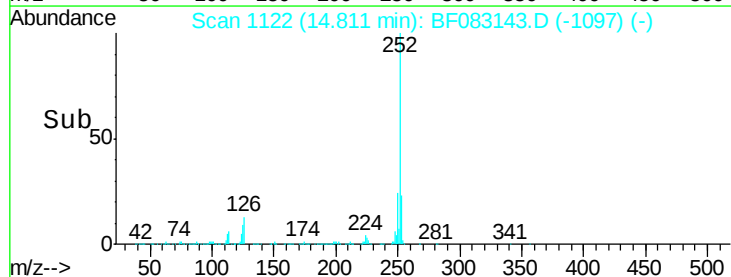
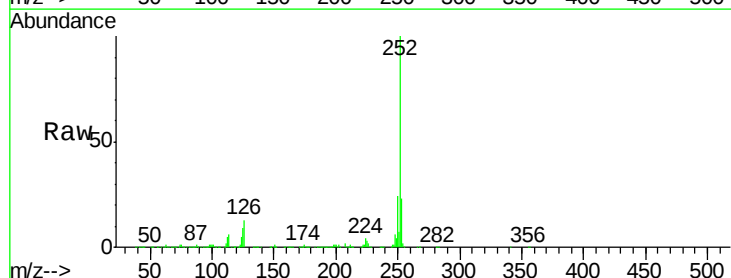
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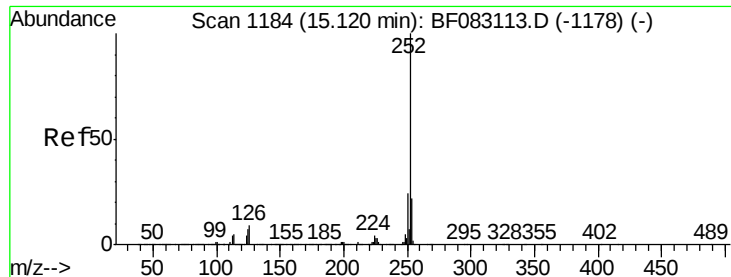
Mmdadoda
11/23/2015 7:01:48 PM



#88
Benzo(k)fluoranthene
Concen: 36.01 ng m
RT: 14.81 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.1	6.8	10.2





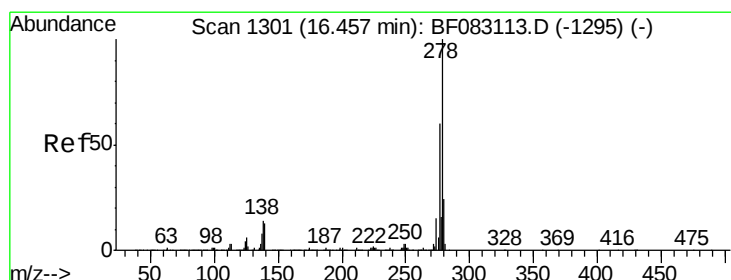
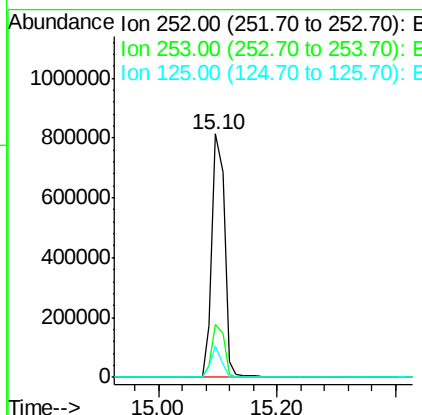
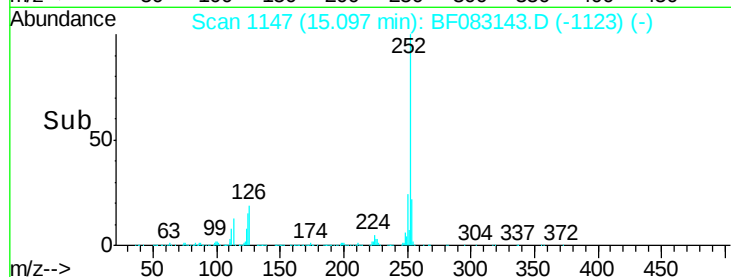
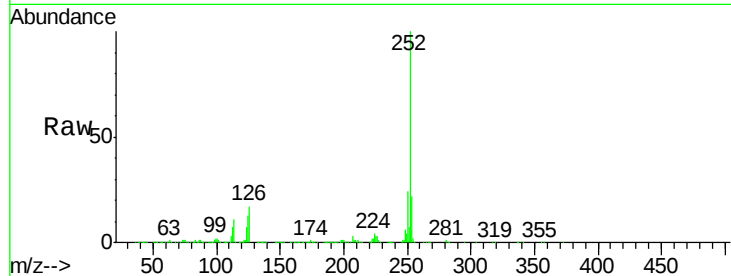
#89
Benzo(a)pyrene
Concen: 39.88 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

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

Tot Ion:252 Resp: 1210473
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 12.6 5.4 8.0#

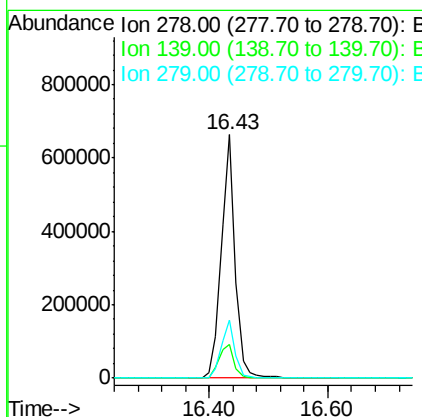
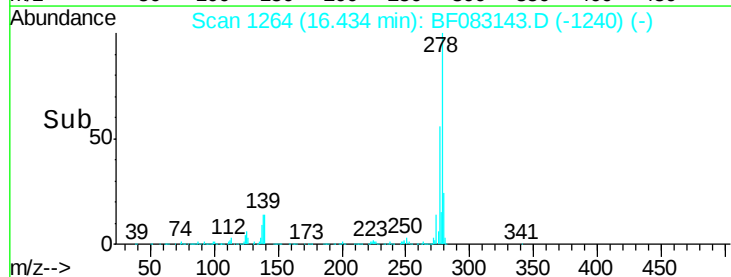
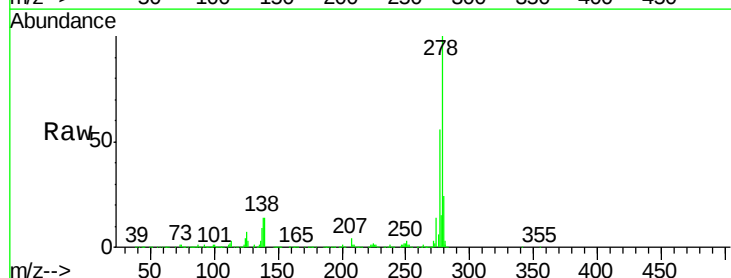
Manual Integrations
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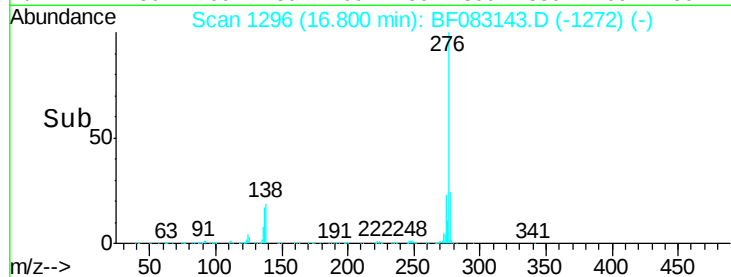
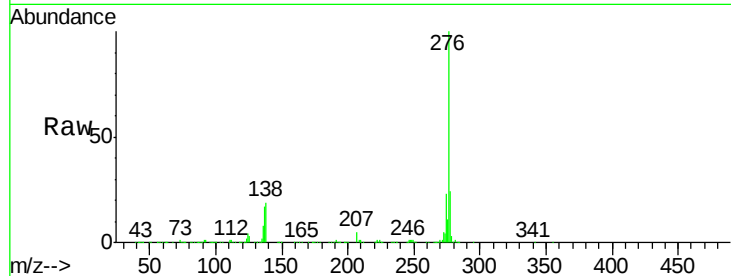
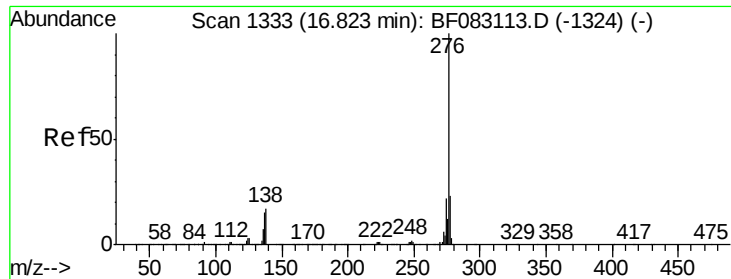
Mmdadoda
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#90
Dibenzo(a,h)anthracene
Concen: 39.08 ng
RT: 16.43 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF083143.D
Acq: 22 Nov 2015 7:28

Tgt Ion:278 Resp: 1077690
Ion Ratio Lower Upper
278 100
139 13.9 10.7 16.1
279 24.1 19.3 28.9





#91
 Benzo(a,h,i)perylene
 Concen: 38.81 ng
 RT: 16.80 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF083143.D
 Acq: 22 Nov 2015 7:28

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	19.3	13.9	20.9

Manual Integrations
 APPROVED

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