

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083132.D
 Acq On : 22 Nov 2015 2:04
 Operator : UM/IZ
 Sample : PB86744BSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:01:38 PM

Quant Time: Nov 22 09:45:32 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	189777	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	735788	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	378891	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	709225	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	633640	20.00	ng	-0.01
86) Perylene-d12	15.15	264	568156	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1332693	106.17	ng	-0.01
7) Phenol-d6	6.33	99	1837213	113.12	ng	-0.01
23) Nitrobenzene-d5	7.22	82	1130356	70.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	383304	98.88	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	1891043	69.60	ng	0.00
78) Terphenyl-d14	12.75	244	1979368	73.56	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	195828	31.49	ng	96
3) Pyridine	2.96	79	553381	33.70	ng	96
4) n-Nitrosodimethylamine	2.84	42	278239	36.73	ng	98
6) Aniline	6.32	93	474426	23.90	ng	# 81
8) 2-Chlorophenol	6.44	128	496938	36.64	ng	98
9) Benzaldehyde	6.19	77	342025	42.91	ng	86
10) Phenol	6.34	94	649913	33.08	ng	# 73
11) bis(2-Chloroethyl)ether	6.40	93	504202	35.94	ng	98
12) 1,3-Dichlorobenzene	6.59	146	525702m	33.95	ng	
13) 1,4-Dichlorobenzene	6.67	146	533594	34.07	ng	93
14) 1,2-Dichlorobenzene	6.82	146	469939	33.01	ng	97
15) Benzyl Alcohol	6.82	79	483240	35.61	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.95	45	833047	38.08	ng	80
17) 2-Methylphenol	6.95	107	404523	36.05	ng	97
18) Hexachloroethane	7.16	117	187793	34.04	ng	# 88
19) n-Nitroso-di-n-propylamine	7.08	70	380546	33.67	ng	99
20) 3+4-Methylphenols	7.10	107	541609	38.18	ng	94
22) Acetophenone	7.07	105	697143	33.00	ng	# 99
24) Nitrobenzene	7.24	77	595069	34.59	ng	98
25) Isophorone	7.50	82	1043632	34.23	ng	99
26) 2-Nitrophenol	7.56	139	261460	34.42	ng	95
27) 2,4-Dimethylphenol	7.62	122	450200	37.14	ng	96
28) bis(2-Chloroethoxy)methane	7.71	93	610788	34.46	ng	97
29) 2,4-Dichlorophenol	7.82	162	433163	37.57	ng	97
30) 1,2,4-Trichlorobenzene	7.88	180	424960	33.56	ng	96
31) Naphthalene	7.96	128	1393370	35.09	ng	100
32) Benzoic acid	7.78	122	331740	35.21	ng	91
33) 4-Chloroaniline	8.02	127	233786	15.17	ng	99
34) Hexachlorobutadiene	8.09	225	256912	34.33	ng	99
35) Caprolactam	8.42	113	133103	36.02	ng	92
36) 4-Chloro-3-methylphenol	8.52	107	467087	34.98	ng	89
37) 2-Methylnaphthalene	8.65	142	887149	34.42	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.82	216	405616	33.03	ng	# 98
40) Hexachlorocyclopentadiene	8.81	237	447526	64.09	ng	97

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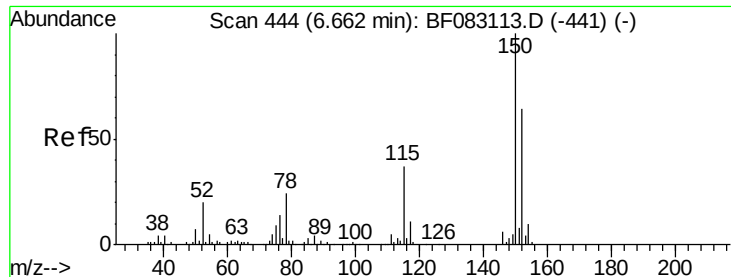
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.95	196	311489	35.42	nq	99
43) 2,4,5-Trichlorophenol	8.98	196	303298	33.73	nq	# 79
45) 1,1'-Biphenyl	9.12	154	1070719	33.20	nq	98
46) 2-Chloronaphthalene	9.14	162	895750	35.36	nq	96
47) 2-Nitroaniline	9.24	65	313707	35.01	nq	99
48) Acenaphthylene	9.55	152	1393196	35.49	nq	99
49) Dimethylphthalate	9.44	163	1081891	37.09	nq	98
50) 2,6-Dinitrotoluene	9.48	165	231005	35.29	nq	97
51) Acenaphthene	9.72	154	841066	35.21	nq	100
52) 3-Nitroaniline	9.66	138	128273	18.38	nq	# 73
53) 2,4-Dinitrophenol	9.76	184	263278	69.82	nq	# 87
54) Dibenzofuran	9.90	168	1174236	34.76	nq	95
55) 4-Nitrophenol	9.85	139	382720	71.52	nq	94
56) 2,4-Dinitrotoluene	9.88	165	290075	34.98	nq	92
57) Fluorene	10.24	166	1002691	35.92	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.02	232	264210	35.82	nq	97
59) Diethylphthalate	10.14	149	1026946	35.37	nq	100
60) 4-Chlorophenyl-phenylether	10.24	204	449242	35.14	nq	# 79
61) 4-Nitroaniline	10.27	138	220303	32.07	nq	91
62) Azobenzene	10.39	77	1227878	37.05	nq	98
64) 4,6-Dinitro-2-methylphenol	10.30	198	186388	38.14	nq	98
65) n-Nitrosodiphenylamine	10.35	169	831106	34.45	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	285749	36.31	nq	# 88
67) Hexachlorobenzene	10.79	284	304706	35.16	nq	# 78
68) Atrazine	10.89	200	266246	38.01	nq	98
69) Pentachlorophenol	10.98	266	376195	66.64	nq	98
70) Phenanthrene	11.19	178	1424271	34.86	nq	99
71) Anthracene	11.24	178	1572870	37.73	nq	99
72) Carbazole	11.40	167	1349393	36.42	nq	100
73) Di-n-butylphthalate	11.75	149	1666688	36.85	nq	99
74) Fluoranthene	12.38	202	1553216	37.14	nq	93
76) Benzidine	12.50	184	648975	39.08	nq	99
77) Pyrene	12.59	202	1508820	34.85	nq	100
79) Butylbenzylphthalate	13.23	149	747616	36.49	nq	99
80) Benzo(a)anthracene	13.78	228	1481596	37.81	nq	100
81) 3,3'-Dichlorobenzidine	13.76	252	330860	24.26	nq	99
82) Chrysene	13.82	228	1162760	31.99	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	957166	35.77	nq	99
84) Di-n-octyl phthalate	14.40	149	1698825	36.88	nq	99
85) Indeno(1,2,3-cd)pyrene	16.42	276	1159092	35.06	nq	98
87) Benzo(b)fluoranthene	14.79	252	1396525m	35.97	nq	
88) Benzo(k)fluoranthene	14.81	252	993163m	34.34	nq	
89) Benzo(a)pyrene	15.10	252	1151269	35.92	nq	# 94
90) Dibenzo(a,h)anthracene	16.43	278	986879	33.90	nq	98
91) Benzo(g,h,i)perylene	16.80	276	969831	34.12	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

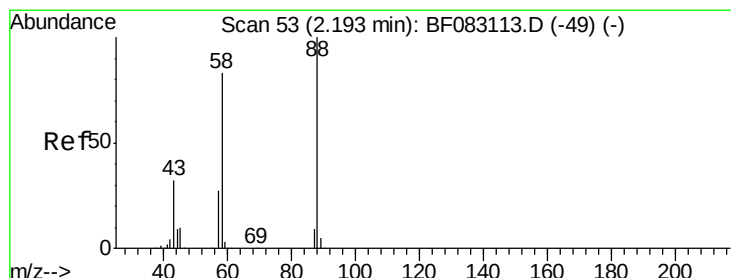
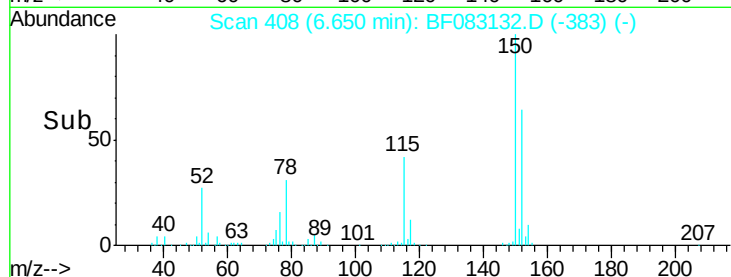
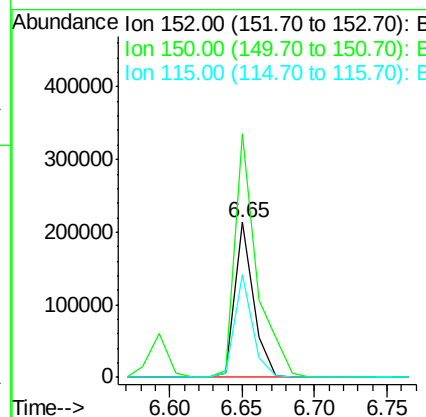
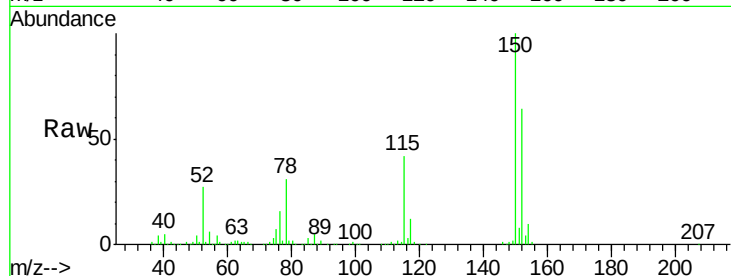
ClientSampleId :

PB86744BSD

Tot Ion:	152	Resp:	189777
Ion Ratio	Lower	Upper	
152	100		
150	157.4	125.8	188.8
115	66.9	46.9	70.3

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#2

1,4-Dioxane

Concen: 31.49 ng

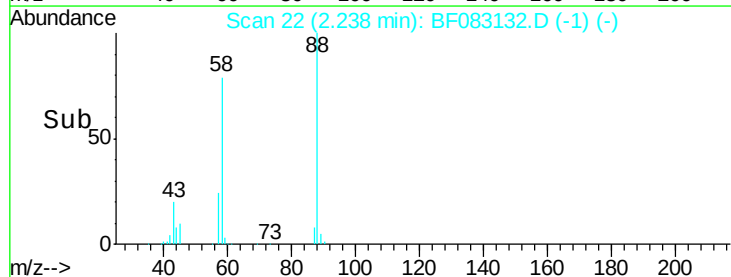
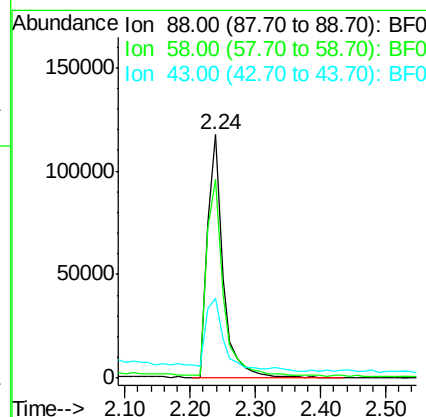
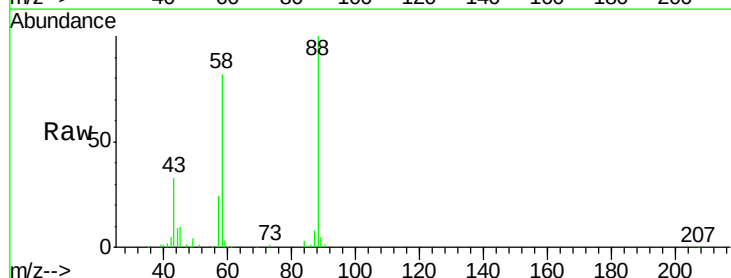
RT: 2.24 min Scan# 22

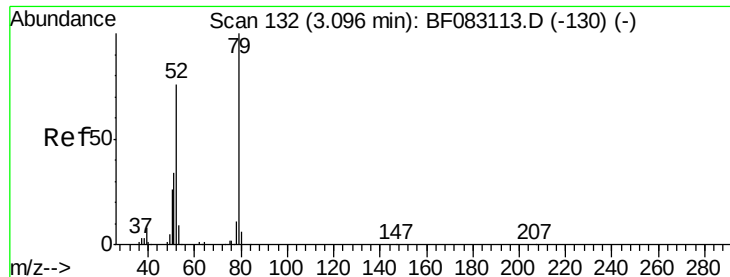
Delta R.T. 0.05 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	88	Resp:	195828
Ion Ratio	Lower	Upper	
88	100		
58	85.9	65.0	97.6
43	31.0	24.7	37.1





#3

Pvridine

Concen: 33.70 ng

RT: 2.96 min Scan# 85

Delta R.T. -0.14 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

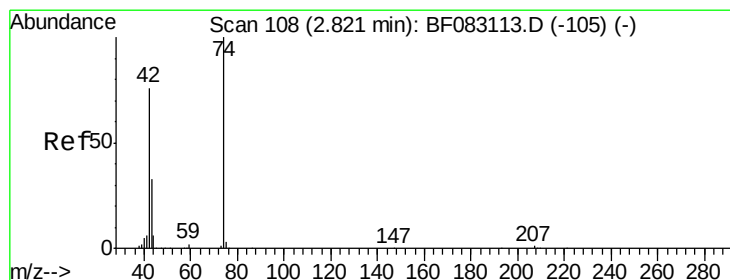
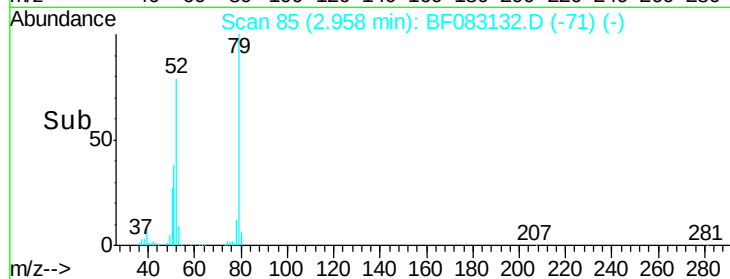
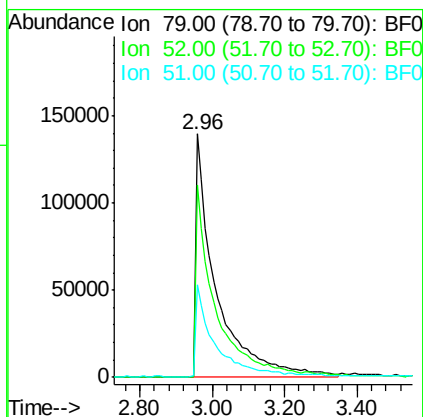
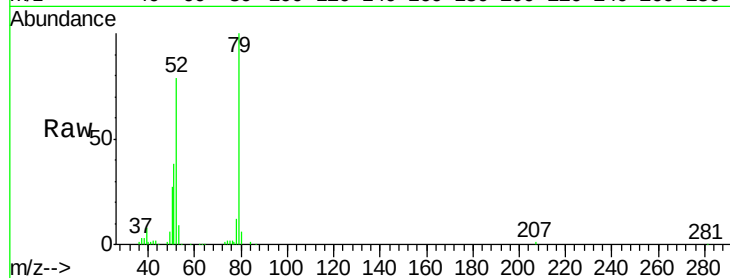
ClientSampleId :

PB86744BSD

Tot Ion:	79	Resp:	553381
Ion Ratio	Lower	Upper	
79	100		
52	79.2	60.7	91.1
51	38.0	27.9	41.9

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 36.73 ng

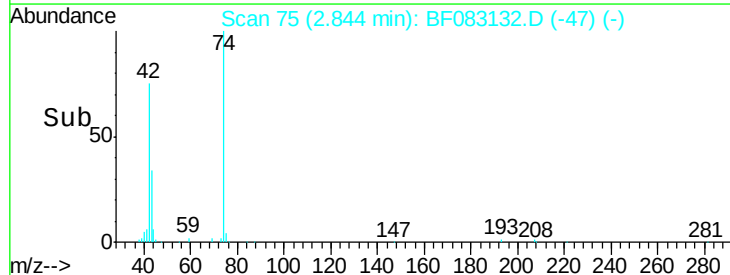
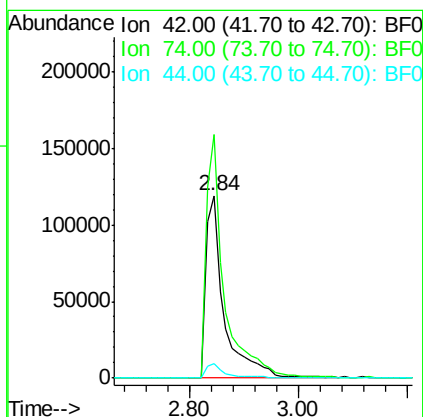
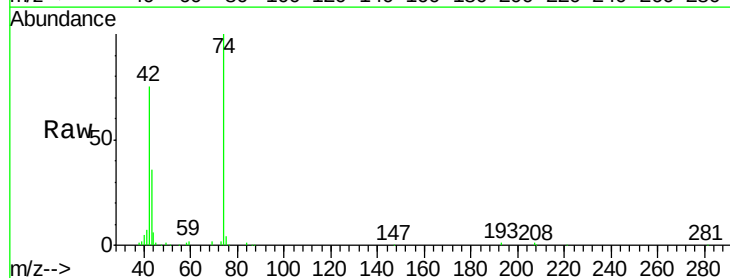
RT: 2.84 min Scan# 75

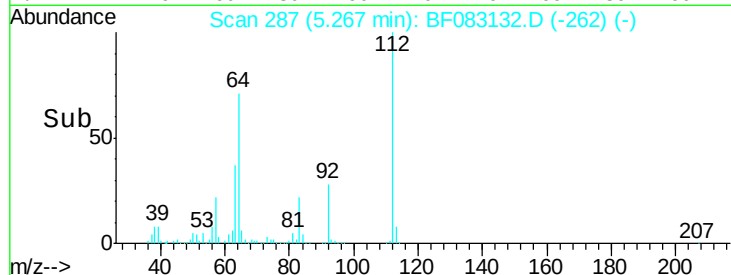
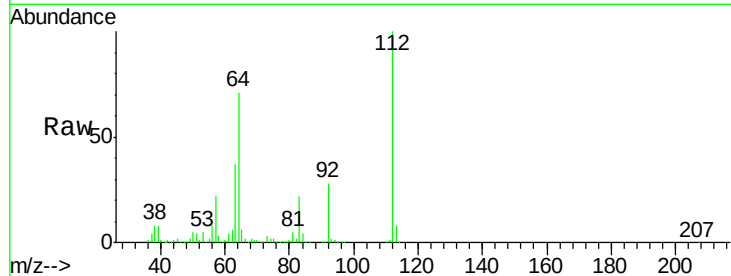
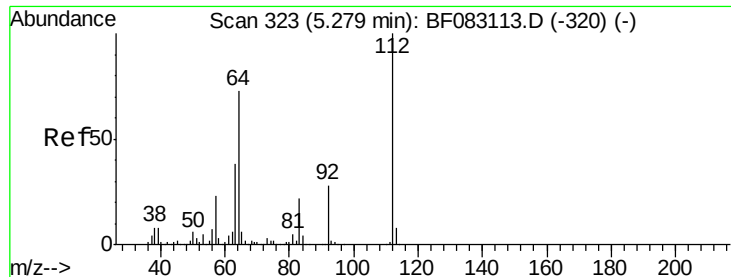
Delta R.T. 0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	42	Resp:	278239
Ion Ratio	Lower	Upper	
42	100		
74	133.5	104.8	157.2
44	7.9	6.2	9.4





#5

2-Fluorophenol

Concen: 106.17 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tot Ion:	112	Resp:	1332693
Ion Ratio	Lower	Upper	
112	100		
64	71.4	58.4	87.6
63	36.6	30.0	45.0

Instrument :

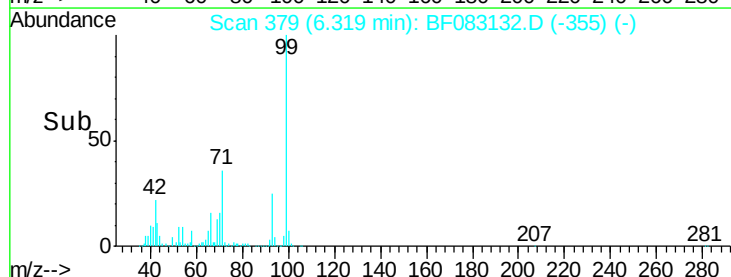
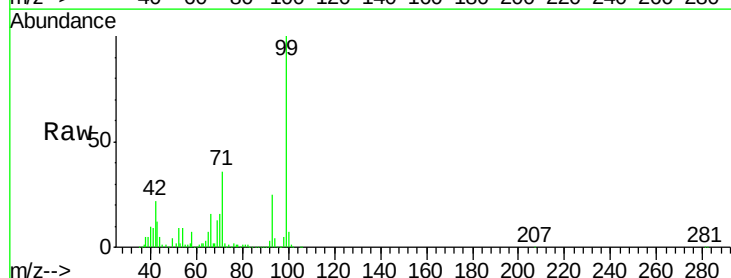
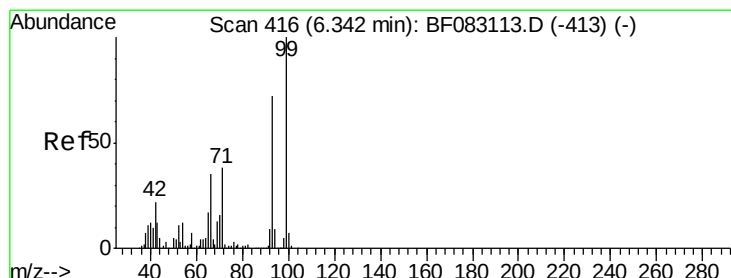
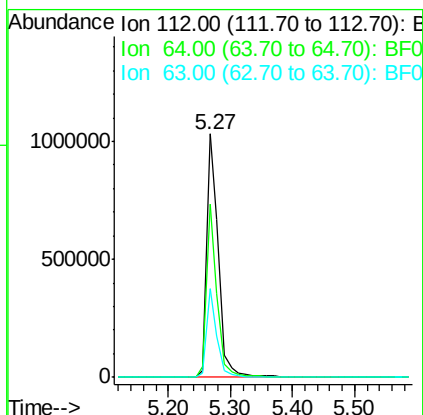
BNA_F

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PB86744BSD

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#6

Aniline

Concen: 23.90 ng

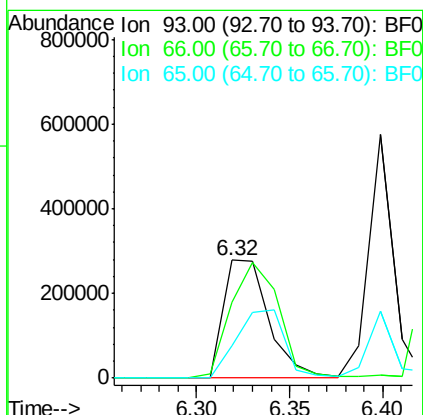
RT: 6.32 min Scan# 379

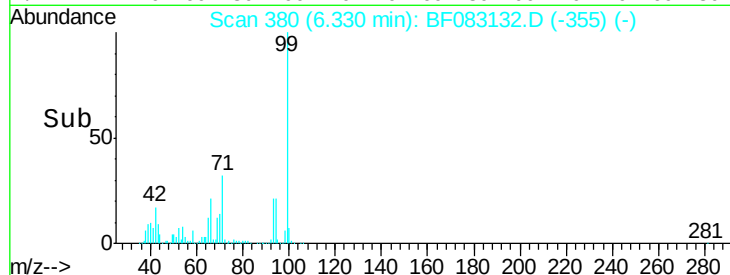
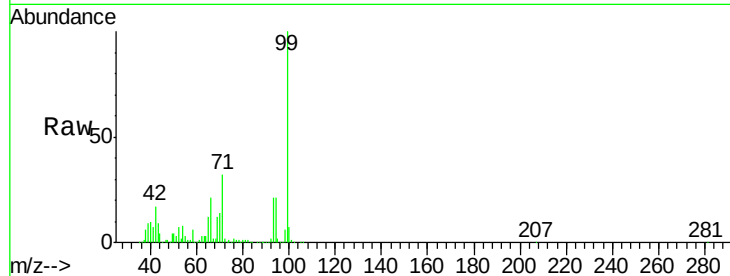
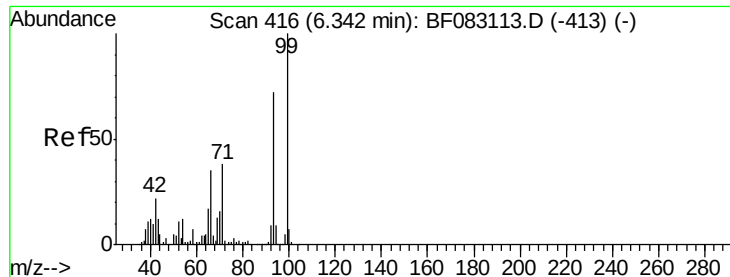
Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	93	Resp:	474426
Ion Ratio	Lower	Upper	
93	100		
66	65.0	38.7	58.1#
65	27.3	18.6	27.8





#7

Phenol-d6

Concen: 113.12 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tot Ion: 99 Resp: 1837213

Ion	Ratio	Lower	Upper
99	100		
42	17.2	17.7	26.5#
71	32.2	30.2	45.4

Instrument :

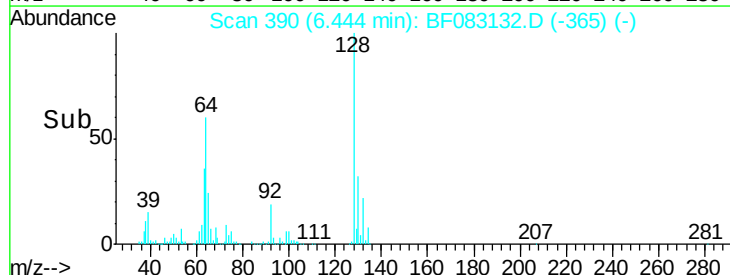
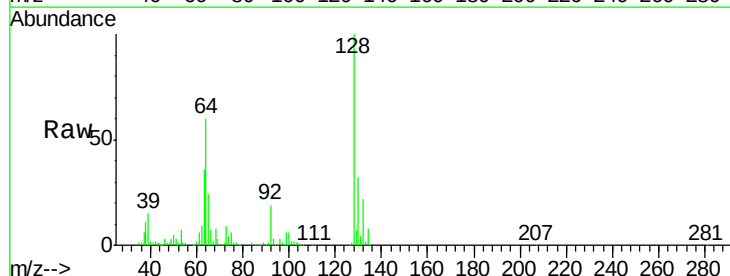
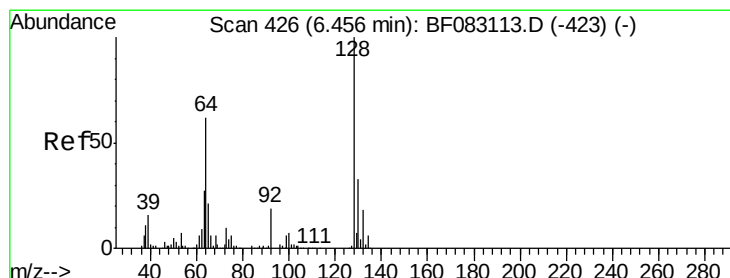
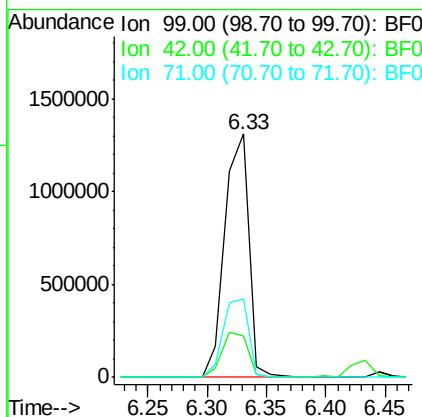
BNA_F

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#8

2-Chlorophenol

Concen: 36.64 ng

RT: 6.44 min Scan# 390

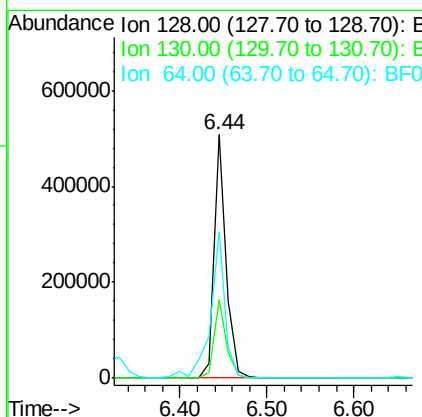
Delta R.T. -0.01 min

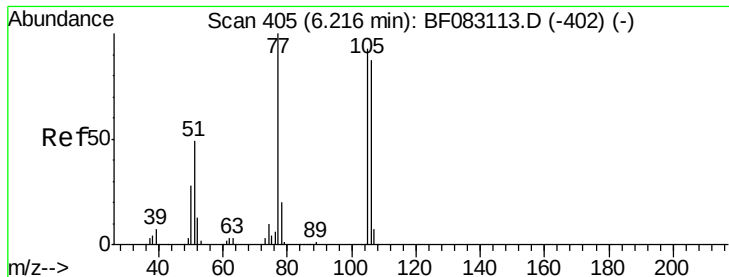
Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:128 Resp: 496938

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	60.3	41.9	81.9





#9

Benzaldehyde

Concen: 42.91 ng

RT: 6.19 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

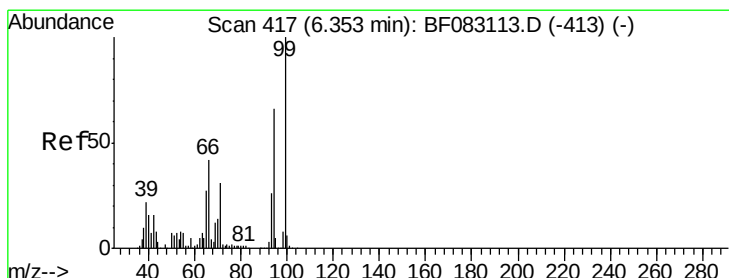
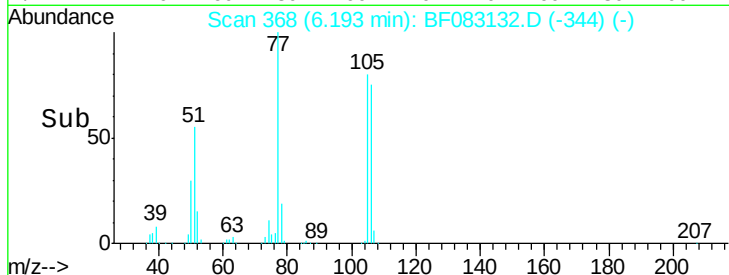
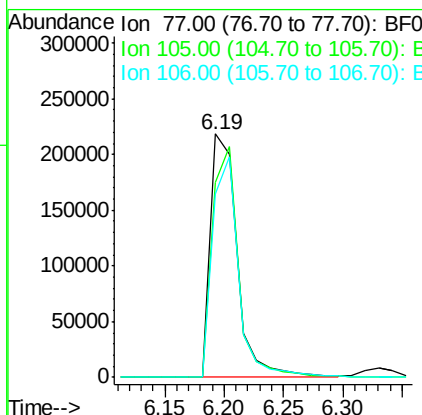
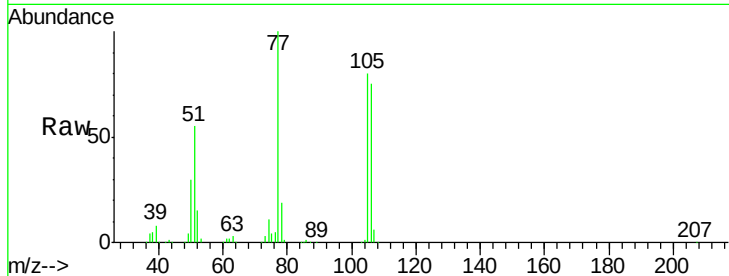
ClientSampleId :

PB86744BSD

Tot Ion:	77	Resp:	342025
Ion Ratio	Lower	Upper	
77	100		
105	80.0	73.4	113.4
106	75.3	67.5	107.5

Manual Integrations
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#10

Phenol

Concen: 33.08 ng

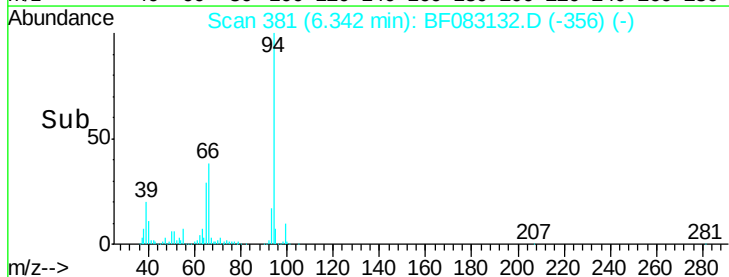
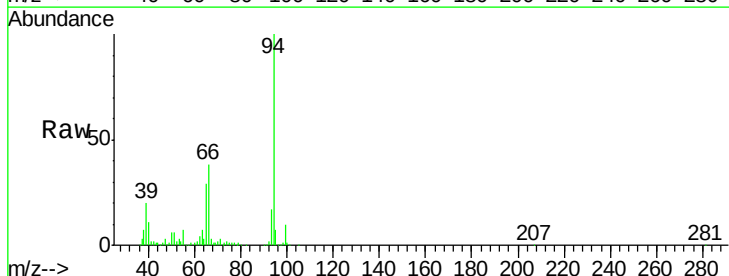
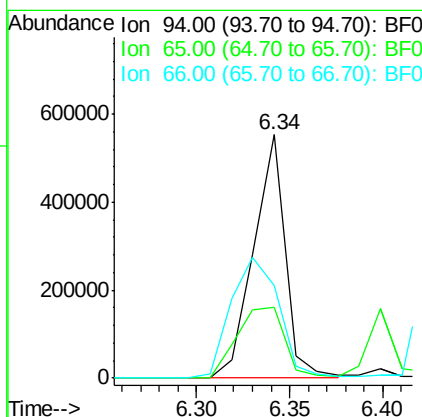
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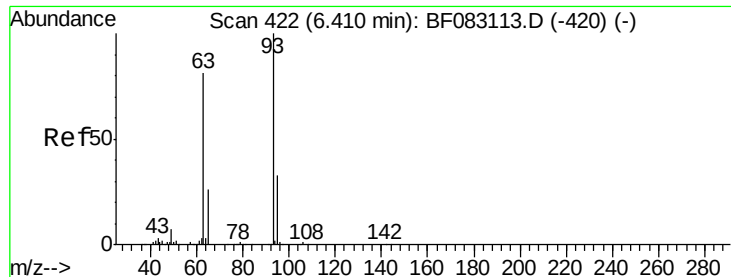
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	94	Resp:	649913
Ion Ratio	Lower	Upper	
94	100		
65	29.2	21.1	61.1
66	38.0	43.1	83.1#





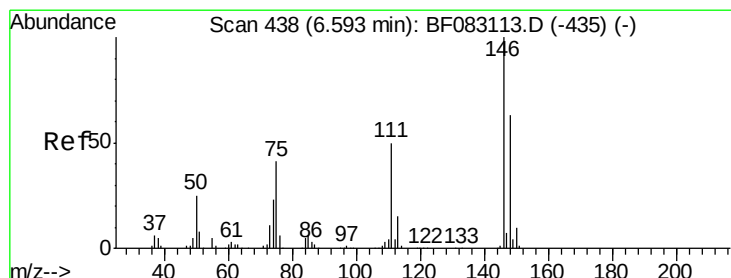
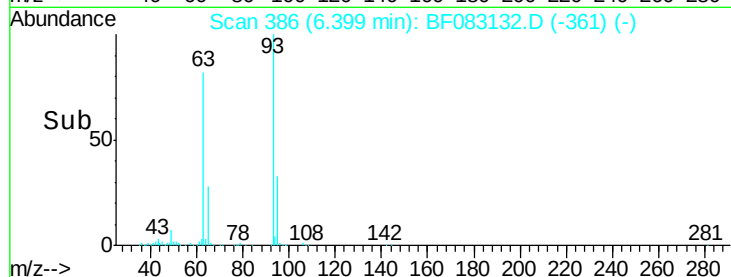
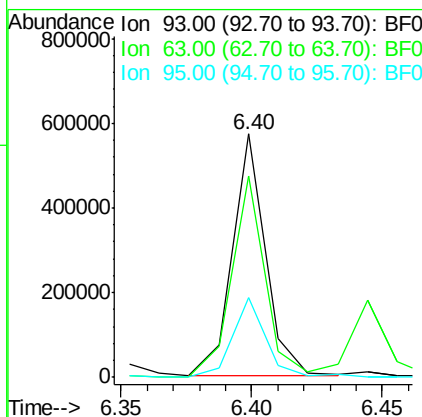
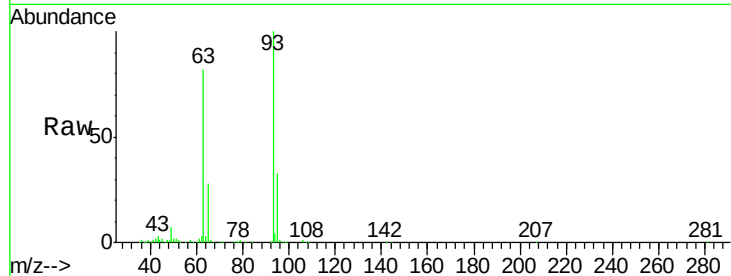
#11
bis(2-Chloroethyl)ether
Concen: 35.94 ng
RT: 6.40 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion:	93	Resp:	504202
Ion	Ratio	Lower	Upper
93	100		
63	82.5	59.8	99.8
95	33.0	13.0	53.0

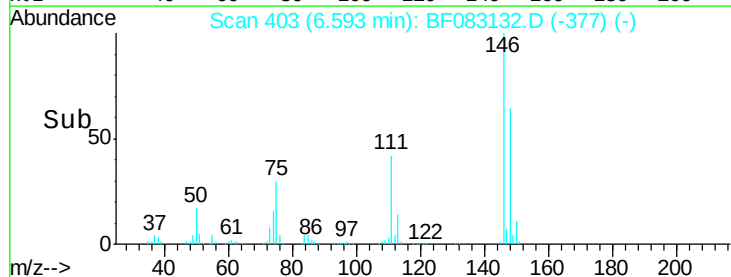
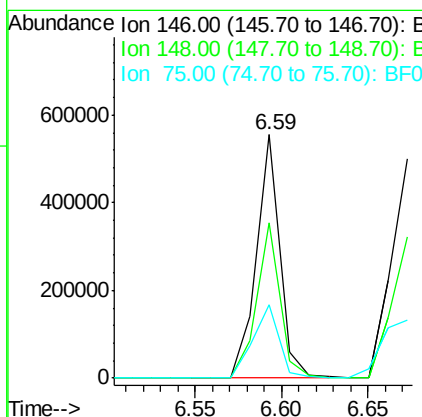
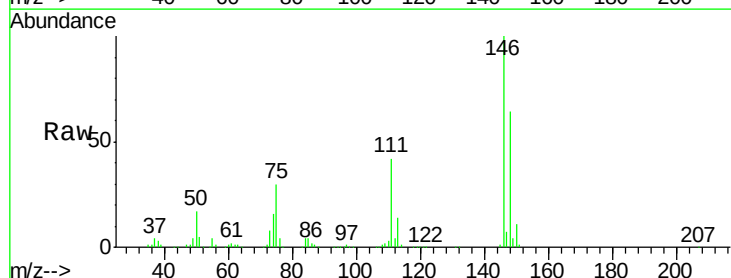
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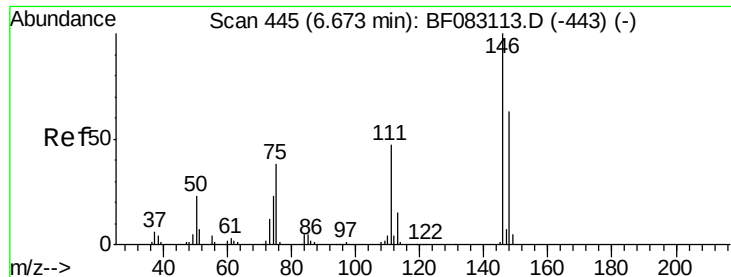
Mmdadoda
11/23/2015 7:01:38 PM



#12
1,3-Dichlorobenzene
Concen: 33.95 ng m
RT: 6.59 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion:	146	Resp:	525702
Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
75	30.3	32.7	49.1#





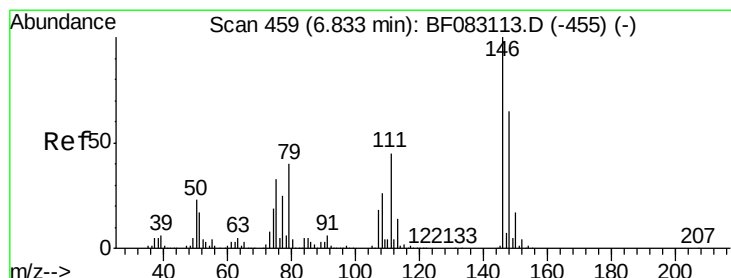
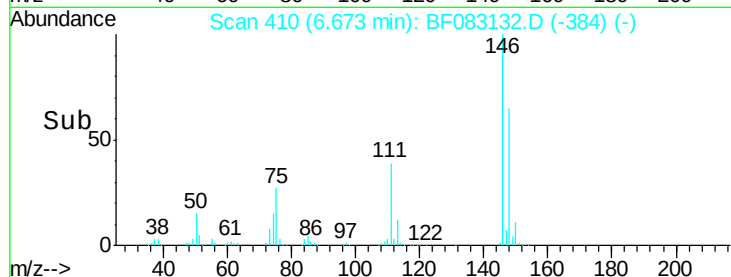
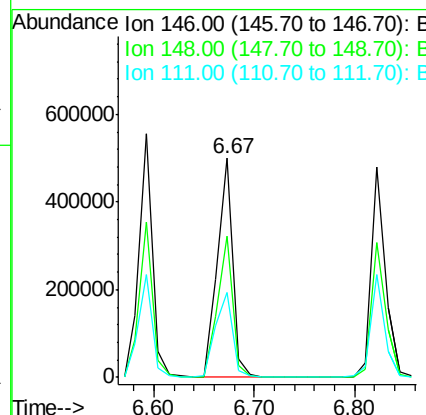
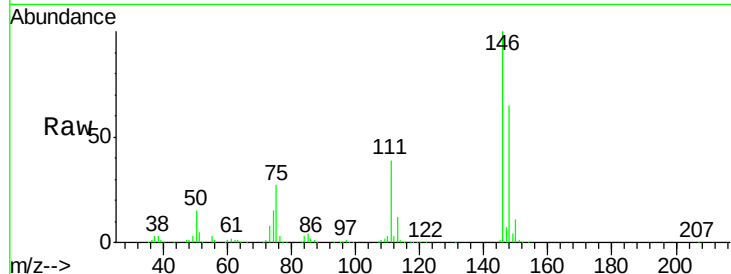
#13
 1,4-Dichlorobenzene
 Concen: 34.07 ng
 RT: 6.67 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	533594		
148	64.5	50.2	75.2	
111	38.8	37.5	56.3	

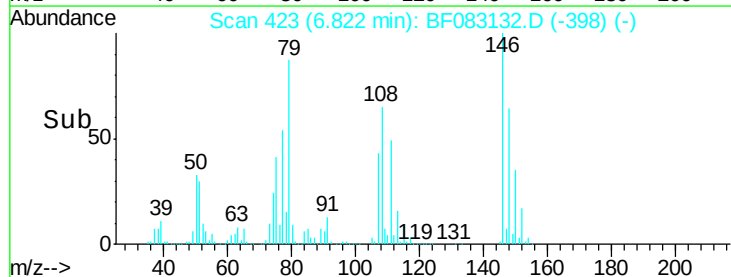
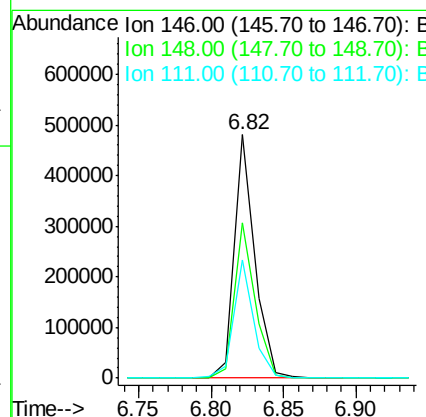
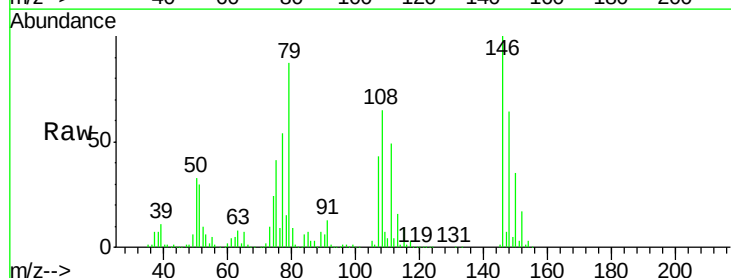
Manual Integrations
 APPROVED

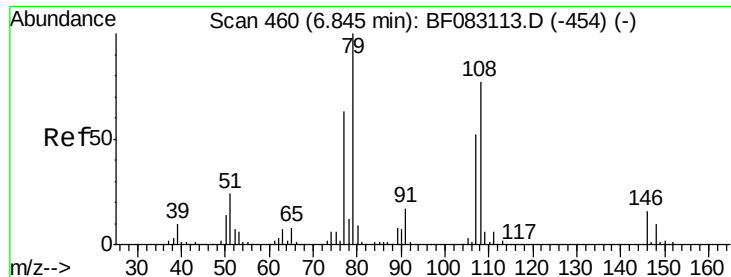
Mmdadoda
 11/23/2015 7:01:38 PM



#14
 1,2-Dichlorobenzene
 Concen: 33.01 ng
 RT: 6.82 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	469939		
148	63.9	51.8	77.6	
111	48.6	36.2	54.4	





#15

Benzyl Alcohol

Concen: 35.61 ng

RT: 6.82 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

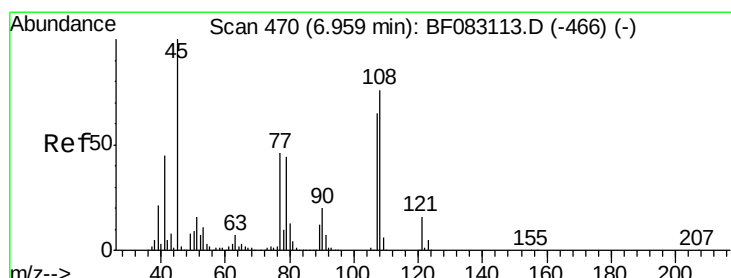
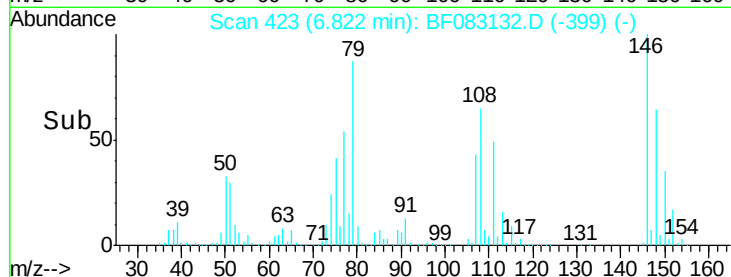
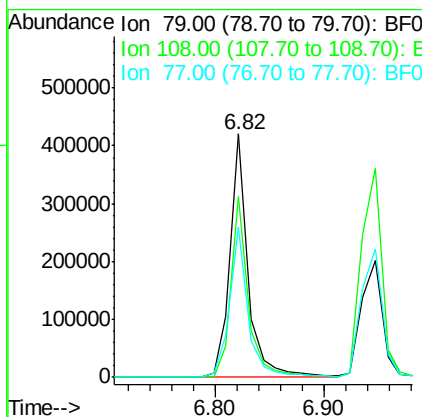
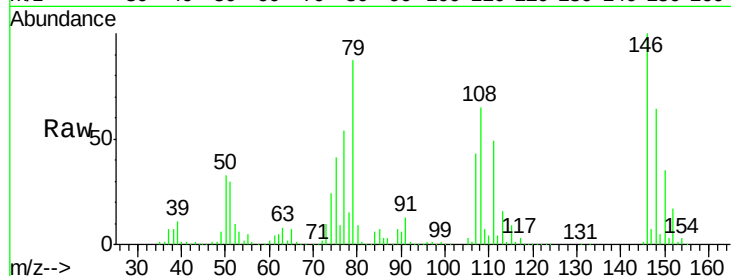
ClientSampleId :

PB86744BSD

Manual Integrations
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Mmdadoda
11/23/2015 7:01:38 PM

Tot Ion:	79	Resp:	483240
Ion Ratio	Lower	Upper	
79	100		
108	74.2	61.4	92.2
77	61.8	50.5	75.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.08 ng

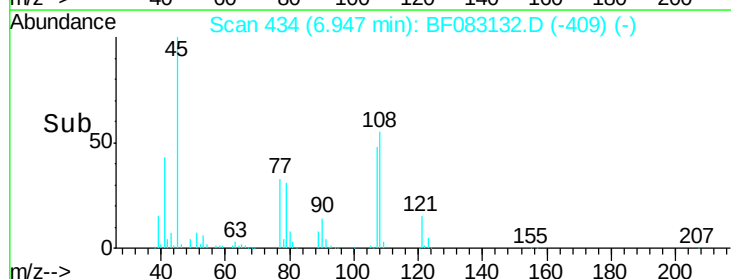
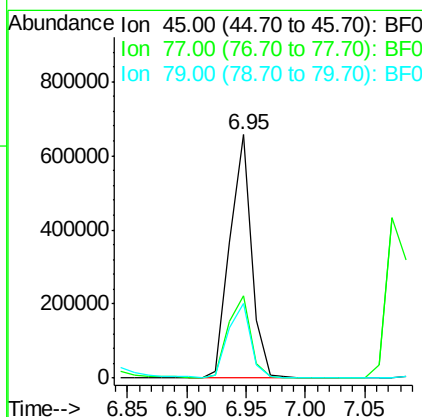
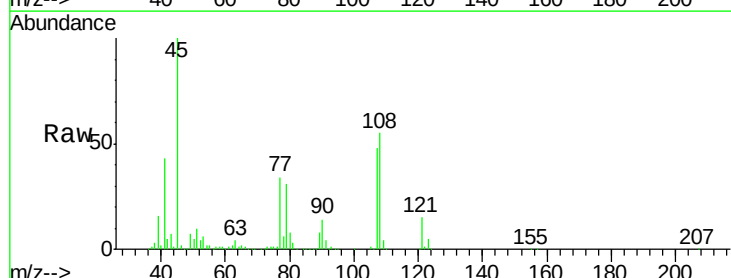
RT: 6.95 min Scan# 434

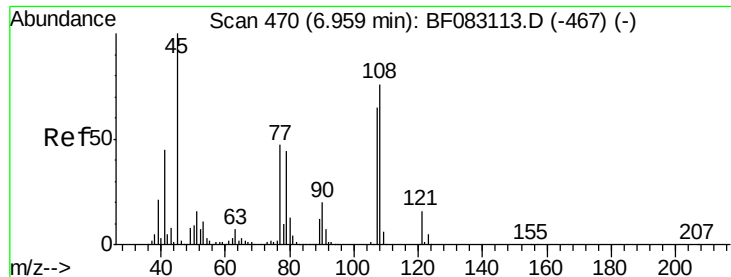
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	45	Resp:	833047
Ion Ratio	Lower	Upper	
45	100		
77	33.9	26.7	66.7
79	30.7	24.3	64.3





#17

2-Methylphenol

Concen: 36.05 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

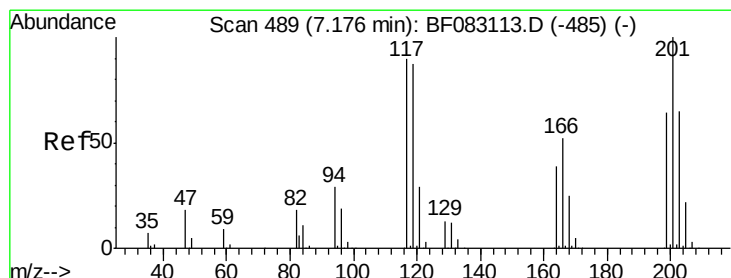
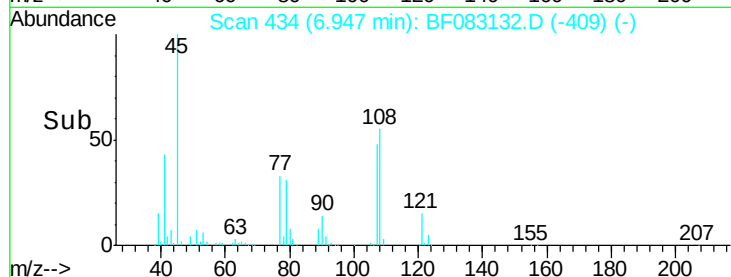
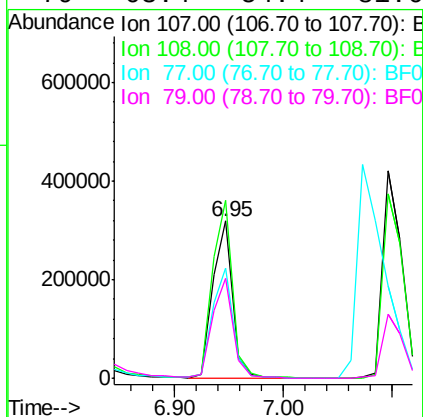
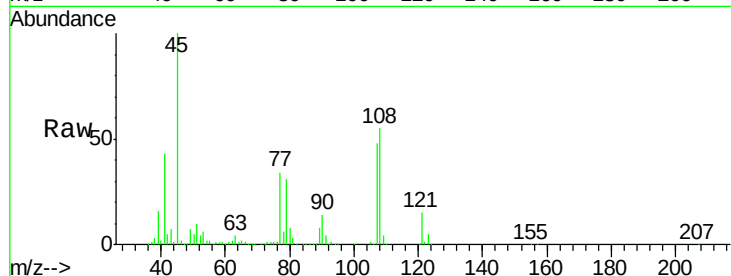
ClientSampleId :

PB86744BSD

Tot Ion:	107	Resp:	404523
Ion Ratio	Lower	Upper	
107	100		
108	113.9	93.8	140.6
77	69.9	57.4	86.0
79	63.4	54.4	81.6

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11/23/2015 7:01:38 PM



#18

Hexachloroethane

Concen: 34.04 ng

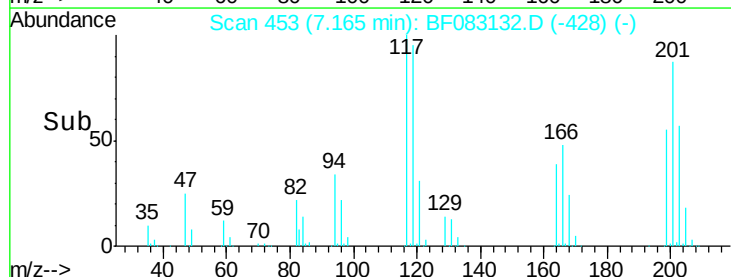
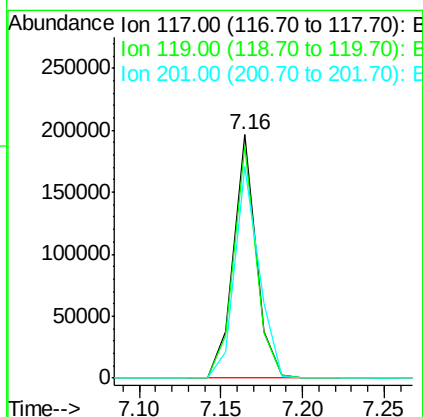
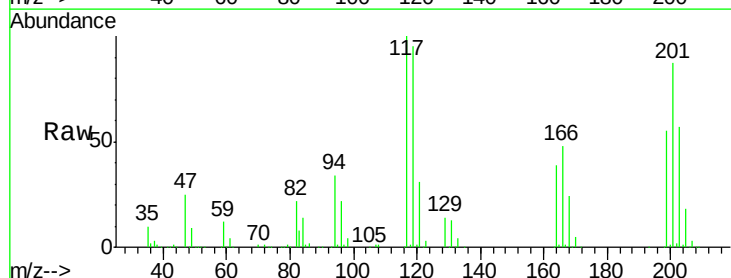
RT: 7.16 min Scan# 453

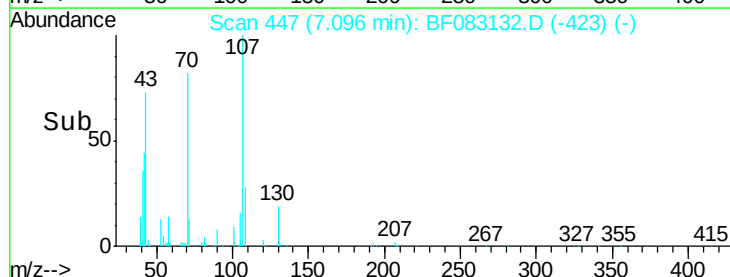
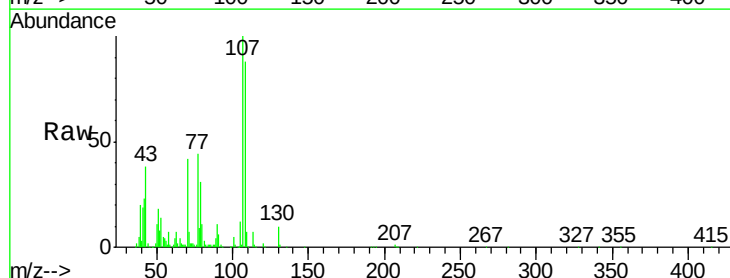
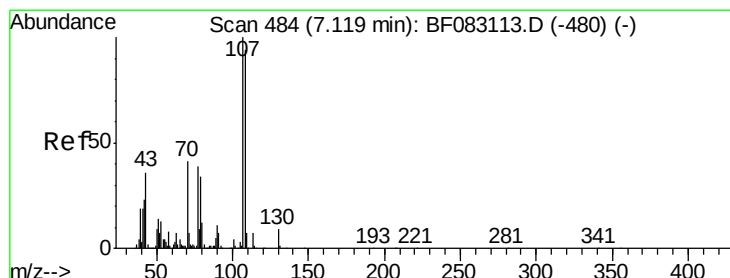
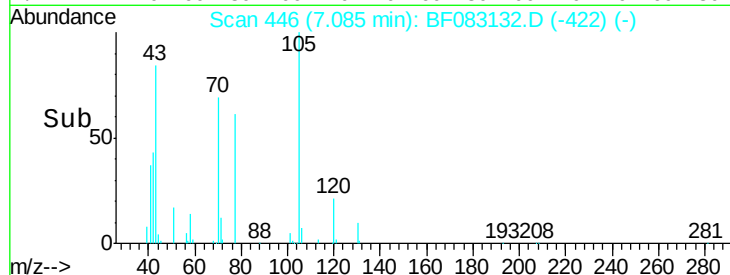
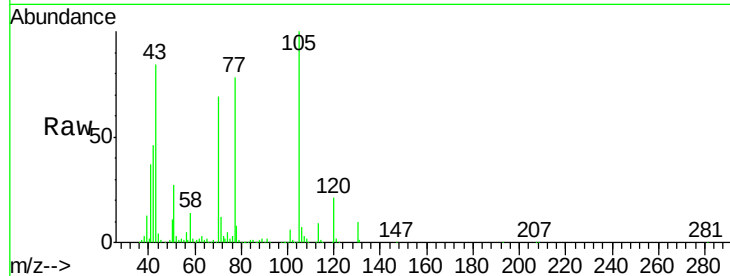
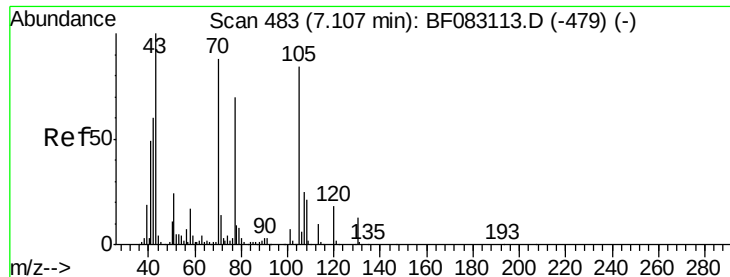
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

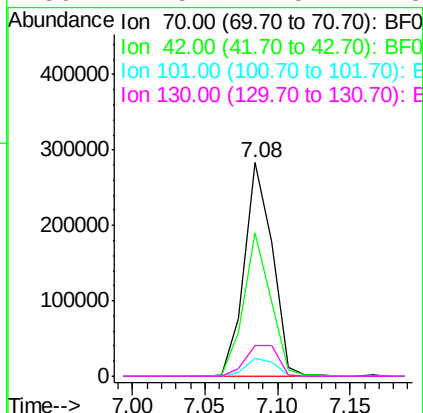
Tgt Ion:	117	Resp:	187793
Ion Ratio	Lower	Upper	
117	100		
119	95.1	76.8	115.2
201	87.0	88.6	133.0#





#19
n-Nitroso-di-n-propylamine
Concen: 33.67 ng
RT: 7.08 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	67.4	54.5	81.7		
101	8.3	6.6	9.8		
130	14.5	11.5	17.3		



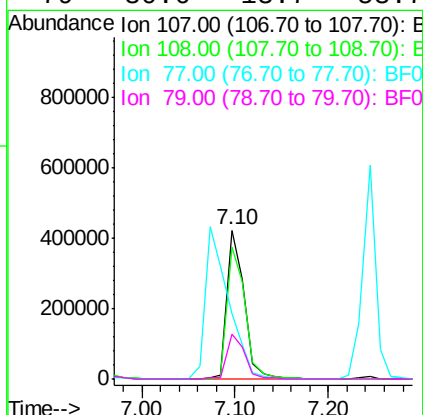
Instrument :
BNA_F
ClientSampleId :
PB86744BSD

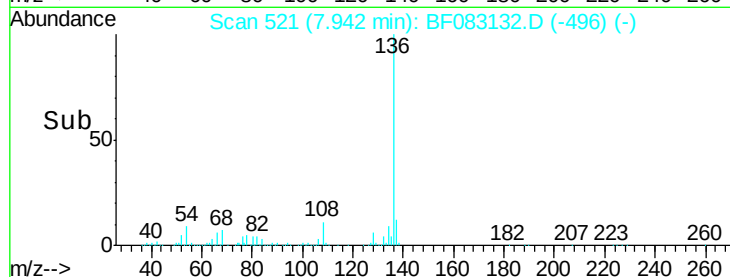
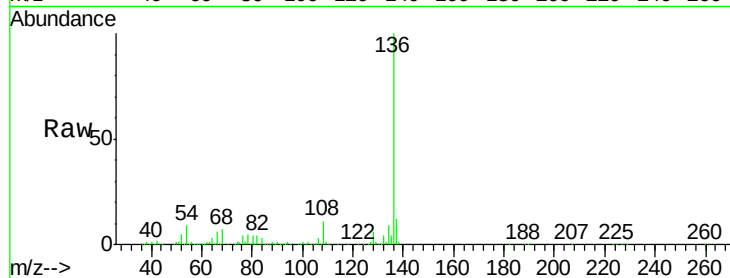
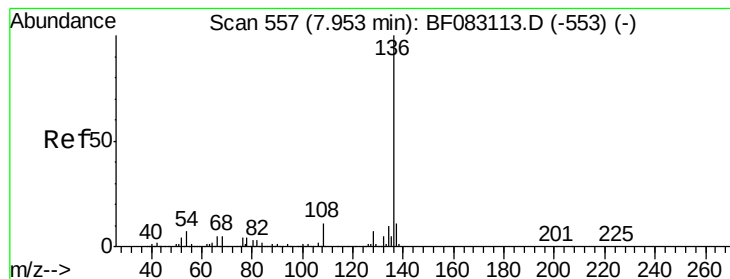
Manual Integrations
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11/23/2015 7:01:38 PM

#20
3+4-Methylphenols
Concen: 38.18 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.4	73.8	113.8		
77	44.3	19.1	59.1		
79	30.6	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: BF083132.D

Acq: 22 Nov 2015 2:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		735788		
137	11.6	8.7	13.1		
54	9.2	5.8	8.6#		
68	6.8	3.8	5.8#		

Instrument :

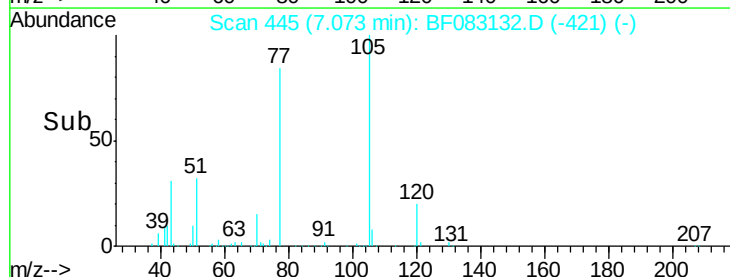
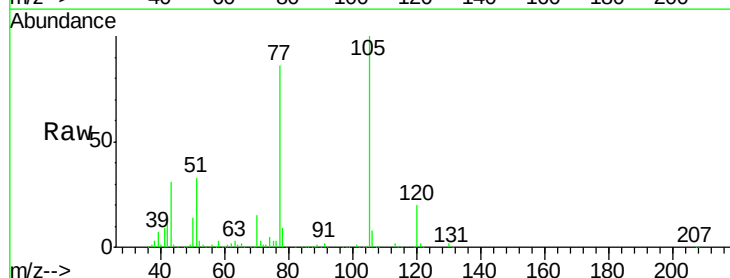
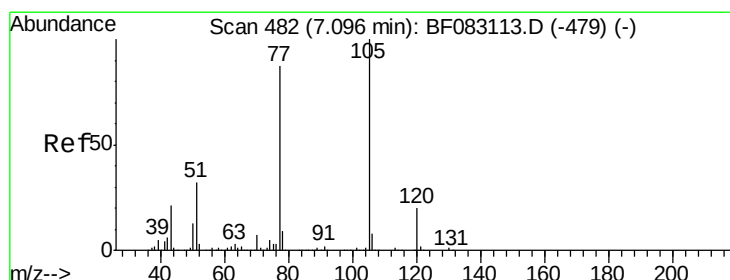
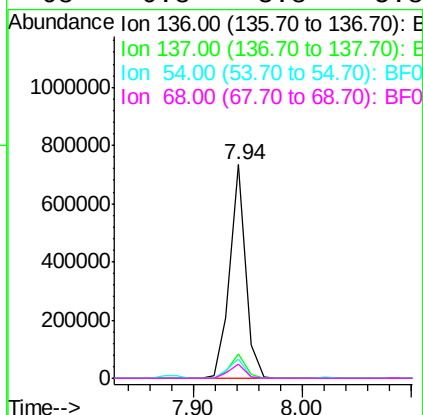
BNA_F

ClientSampleId :

PB86744BSD

Manual Integrations
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Mmdadoda
11/23/2015 7:01:38 PM



#22

Acetophenone

Concen: 33.00 ng

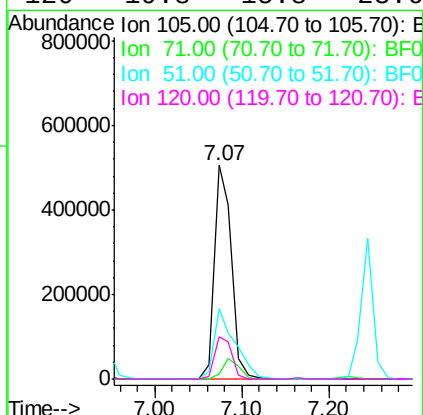
RT: 7.07 min Scan# 445

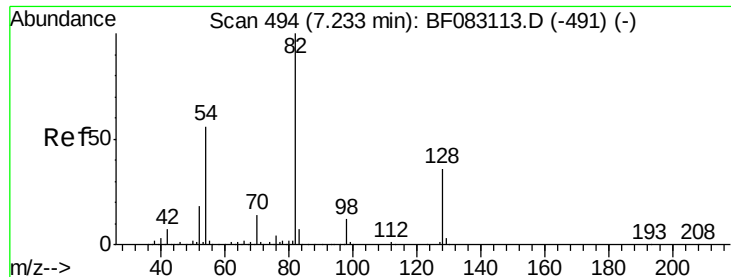
Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		697143		
71	2.6	1.0	1.4#		
51	32.9	25.6	38.4		
120	19.8	15.8	23.6		





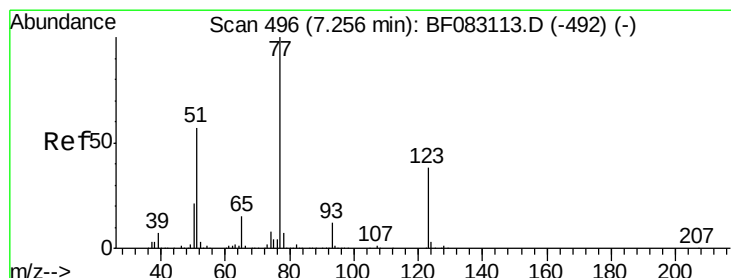
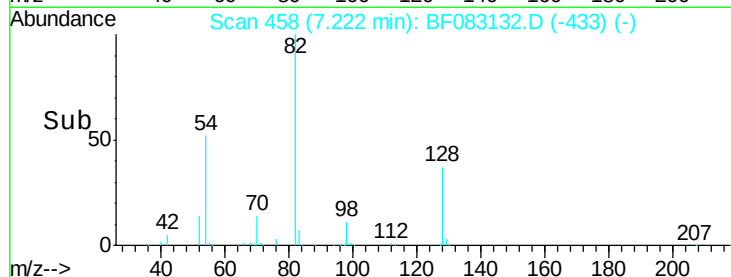
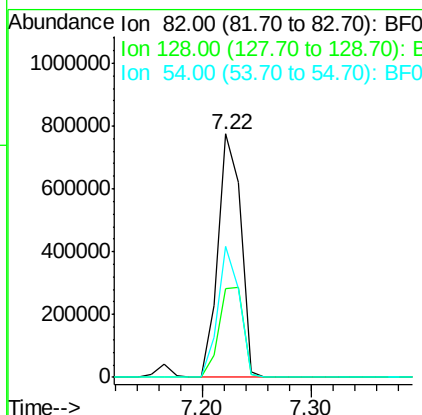
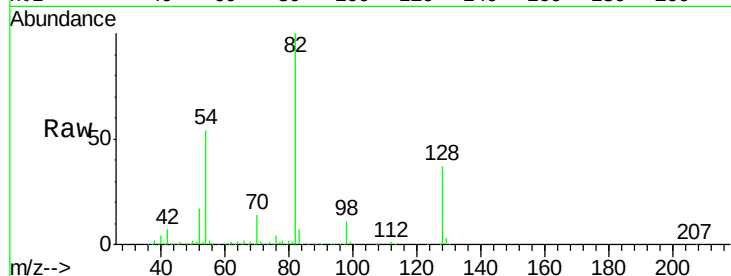
#23
 Nitrobenzene-d5
 Concen: 70.20 ng
 RT: 7.22 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	28.5	42.7
54	53.8	44.6	67.0

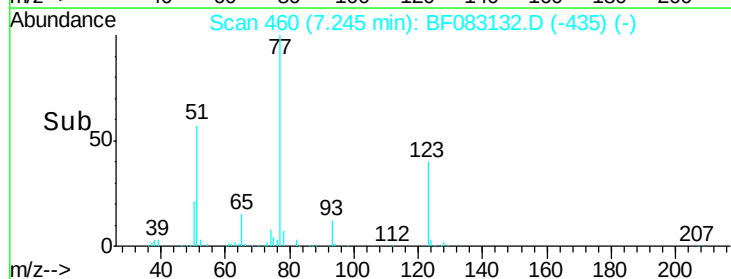
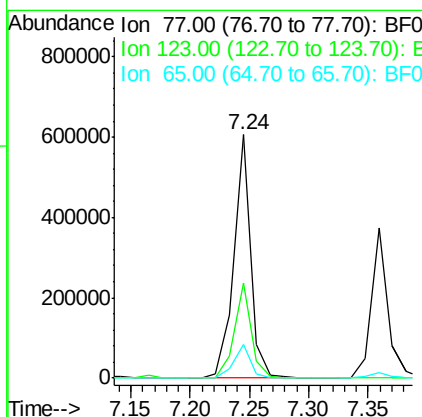
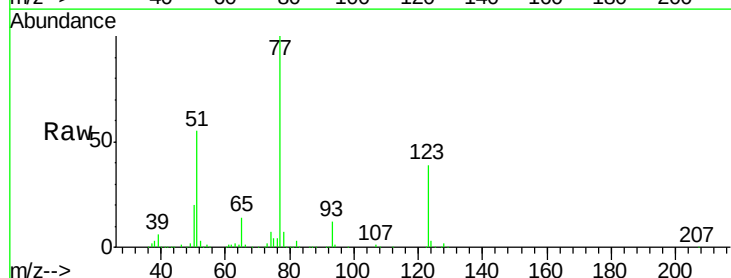
Manual Integrations
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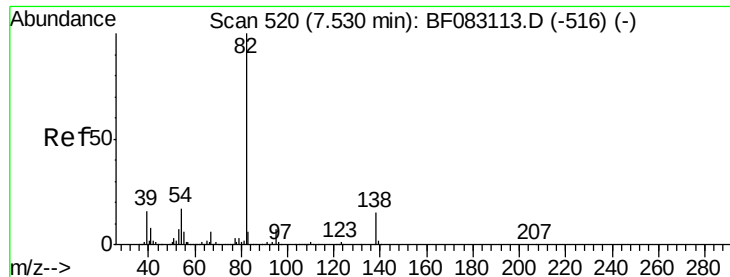
Mmdadoda
 11/23/2015 7:01:38 PM



#24
 Nitrobenzene
 Concen: 34.59 ng
 RT: 7.24 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.3	30.1	45.1
65	14.1	11.6	17.4





#25

Isophorone

Concen: 34.23 ng

RT: 7.50 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion: 82 Resp: 1043632

Ion Ratio Lower Upper

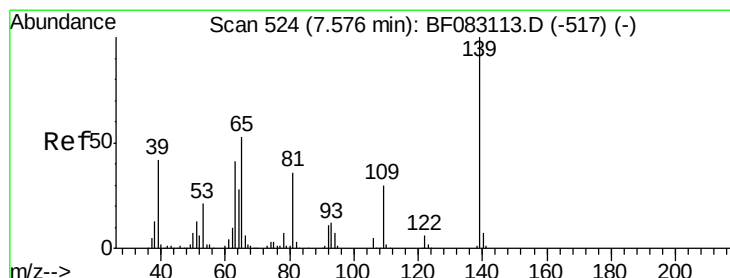
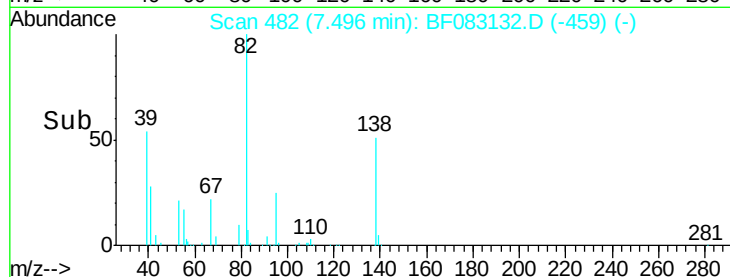
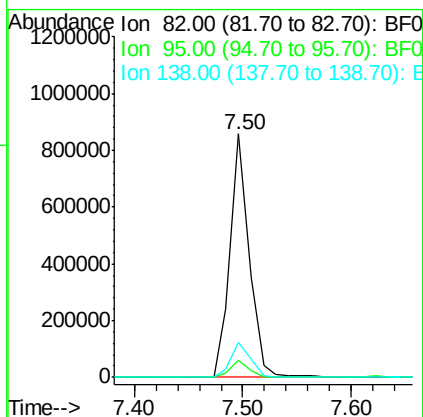
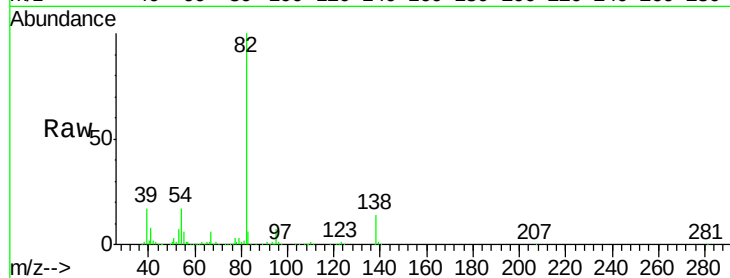
82 100

95 7.0 5.8 8.8

138 14.2 11.6 17.4

Manual Integrations
APPROVED

Mmdadoda
11/23/2015 7:01:38 PM



#26

2-Nitrophenol

Concen: 34.42 ng

RT: 7.56 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

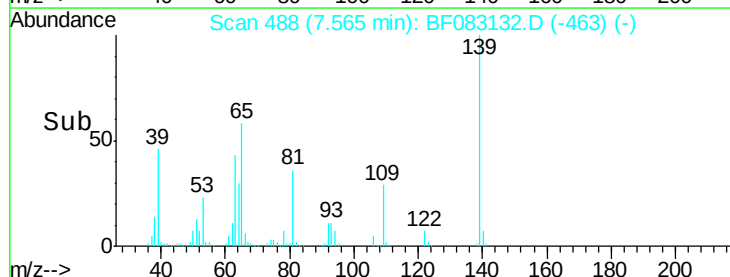
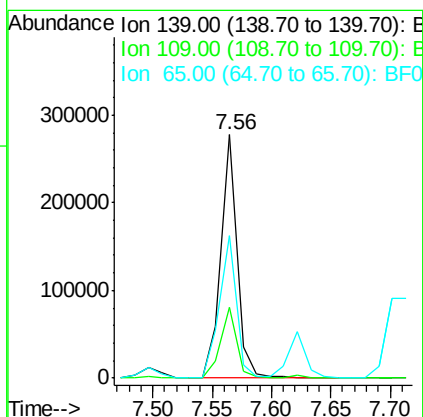
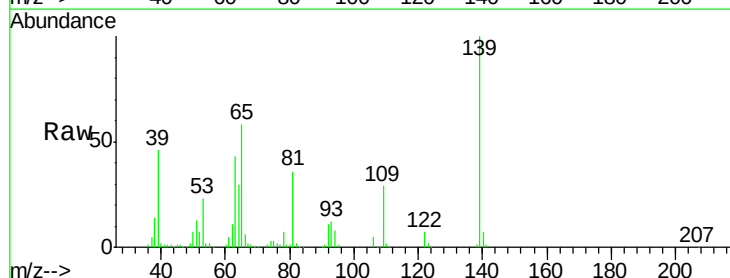
Tgt Ion: 139 Resp: 261460

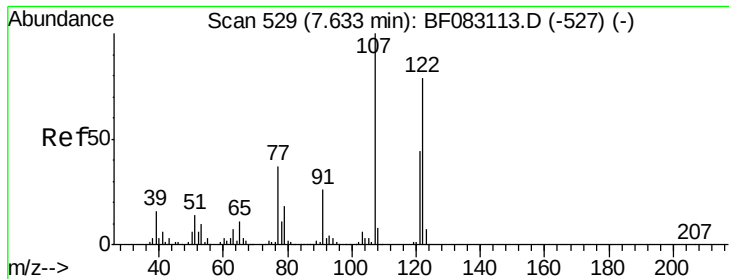
Ion Ratio Lower Upper

139 100

109 29.2 23.9 35.9

65 58.4 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 37.14 ng

RT: 7.62 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

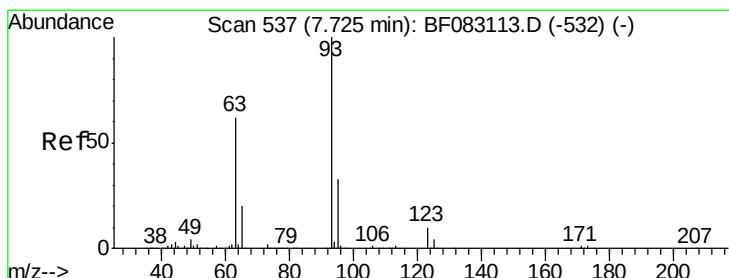
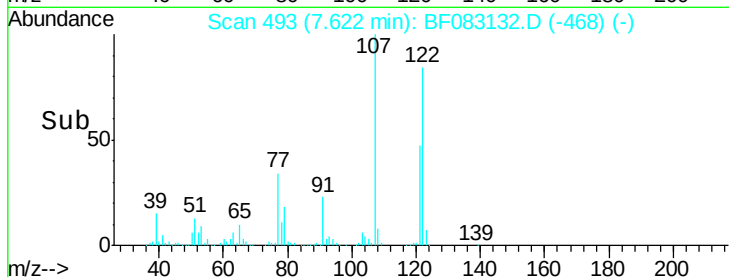
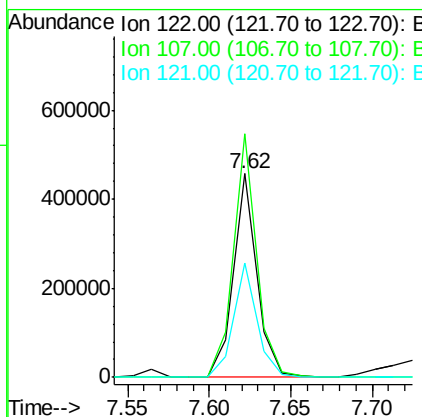
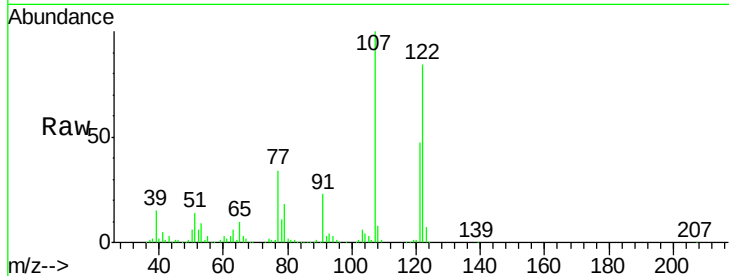
ClientSampleId :

PB86744BSD

Tot Ion:	122	Resp:	450200
Ion Ratio	Lower	Upper	
122	100		
107	119.5	101.1	151.7
121	56.2	44.9	67.3

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#28

bis(2-Chloroethoxy)methane

Concen: 34.46 ng

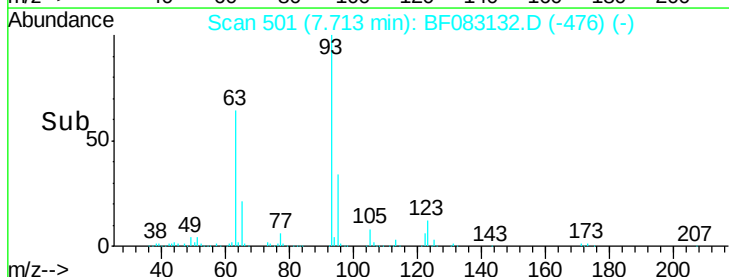
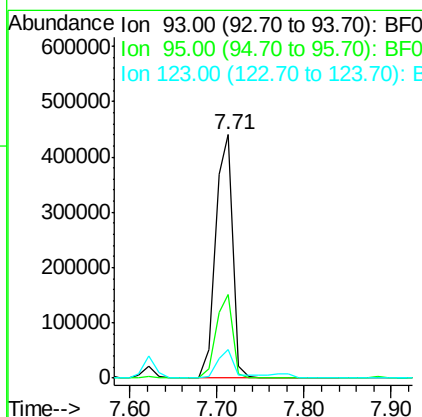
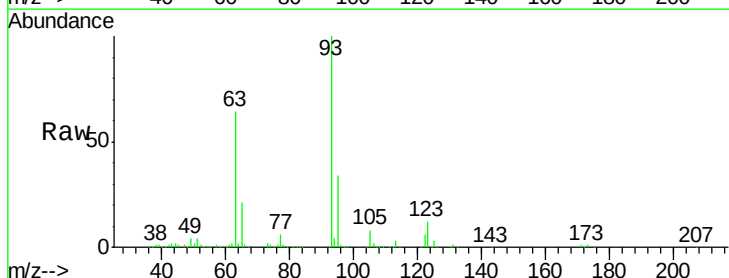
RT: 7.71 min Scan# 501

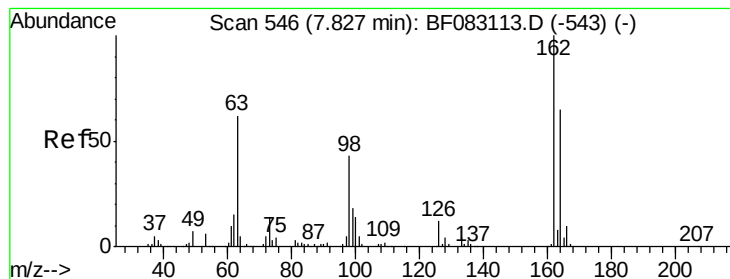
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	93	Resp:	610788
Ion Ratio	Lower	Upper	
93	100		
95	34.2	26.5	39.7
123	11.7	8.1	12.1





#29

2,4-Dichlorophenol

Concen: 37.57 ng

RT: 7.82 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

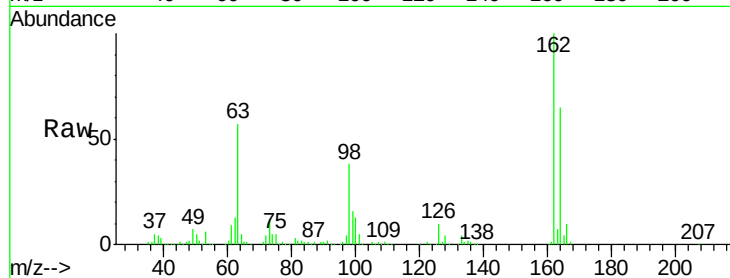
ClientSampleId :

PB86744BSD

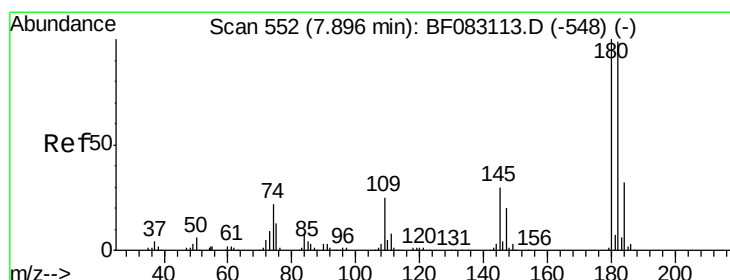
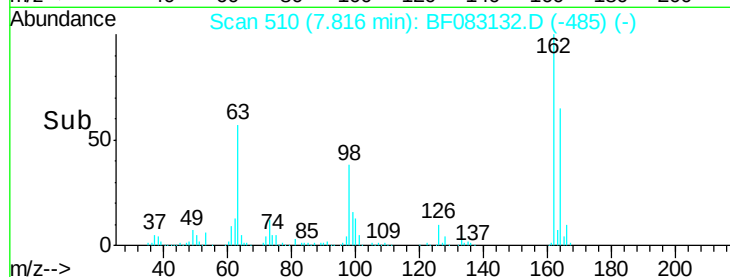
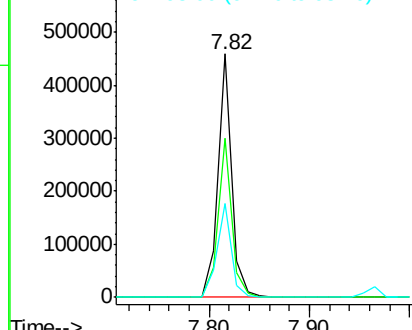
Tot Ion:	162	Resp:	433163
Ion Ratio	Lower	Upper	
162	100		
164	65.1	44.8	84.8
98	38.4	23.1	63.1

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 33.56 ng

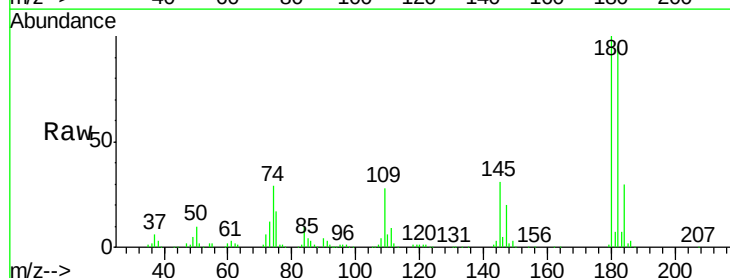
RT: 7.88 min Scan# 516

Delta R.T. -0.01 min

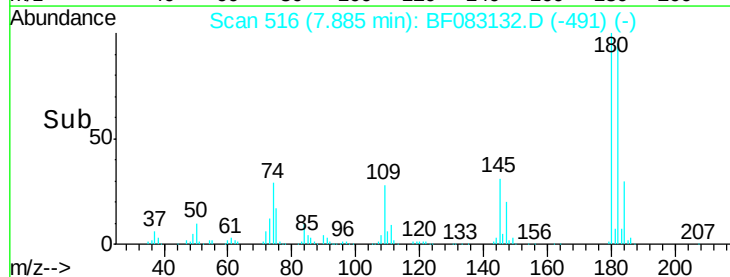
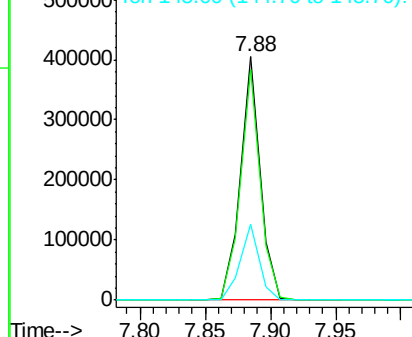
Lab File: BF083132.D

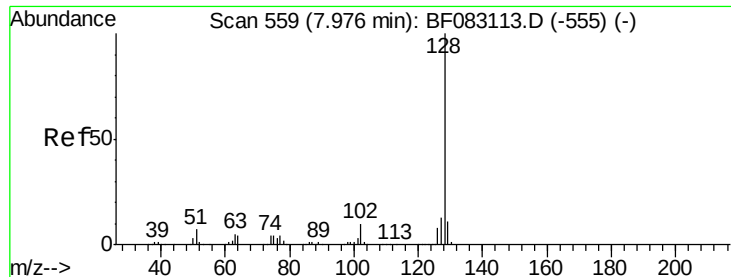
Acq: 22 Nov 2015 2:04

Tgt Ion:	180	Resp:	424960
Ion Ratio	Lower	Upper	
180	100		
182	94.8	79.0	118.6
145	31.3	24.2	36.2



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 35.09 ng

RT: 7.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:128 Resp: 1393370

Ion Ratio Lower Upper

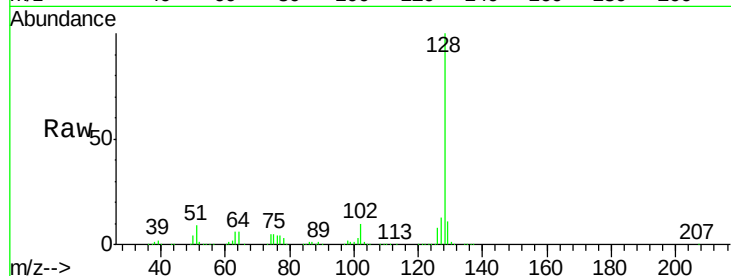
128 100

129 11.4 9.0 13.4

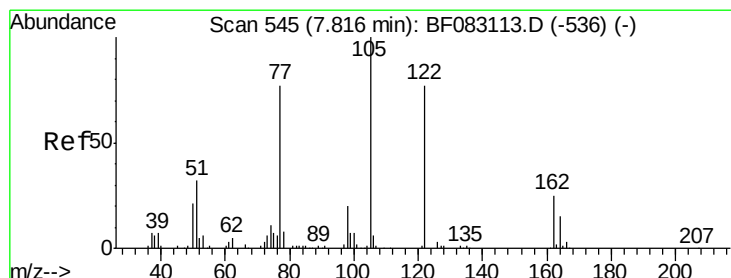
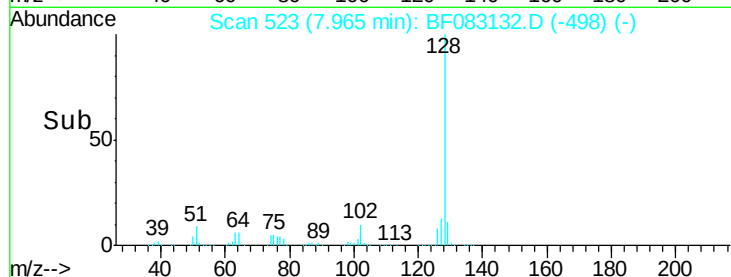
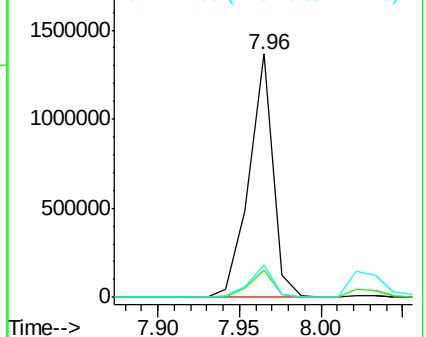
127 13.4 10.6 15.8

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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: 35.21 ng

RT: 7.78 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

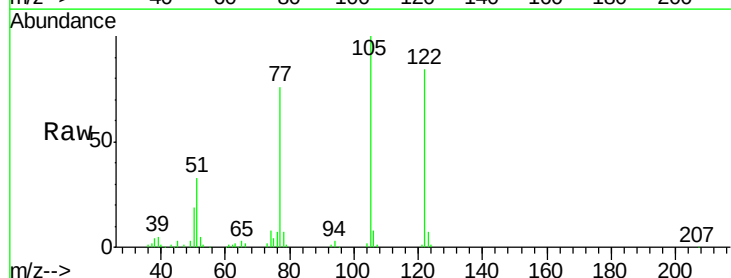
Tgt Ion:122 Resp: 331740

Ion Ratio Lower Upper

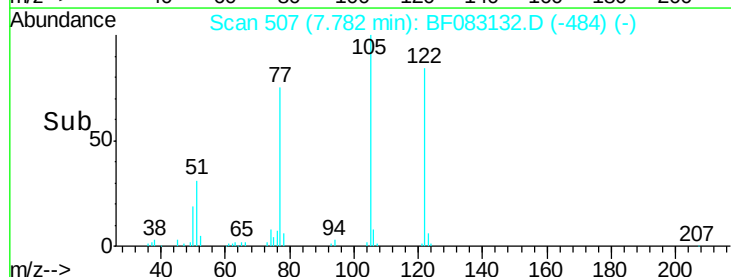
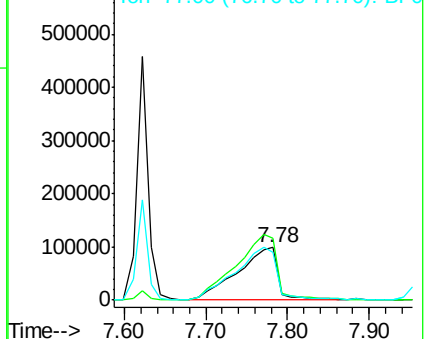
122 100

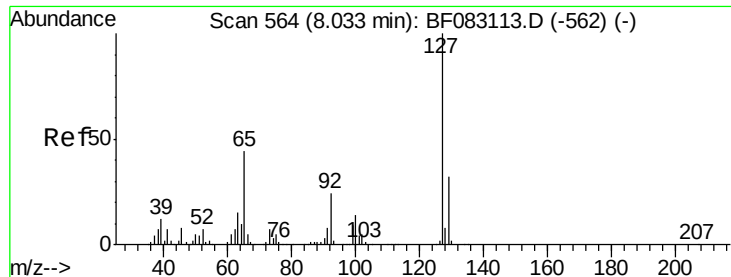
105 119.1 109.7 149.7

77 90.3 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





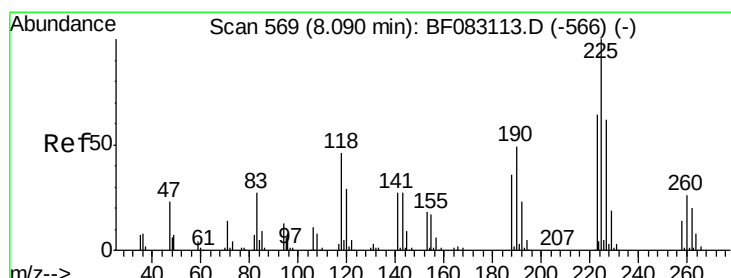
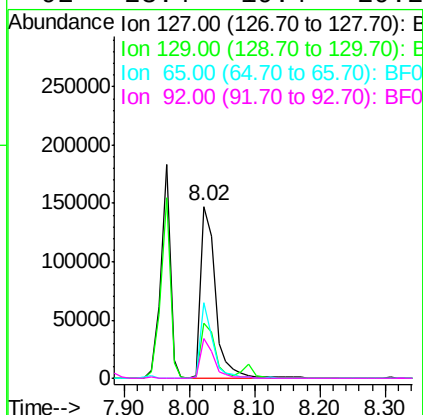
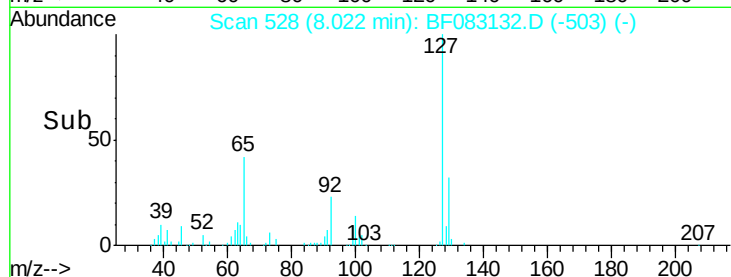
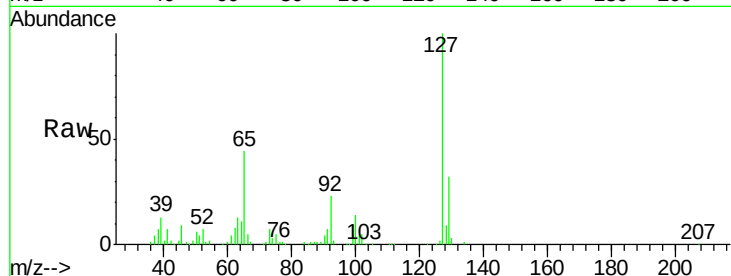
#33
4-Chloroaniline
Concen: 15.17 ng
RT: 8.02 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	25.7	38.5		
65	44.2	35.5	53.3		
92	23.4	19.4	29.2		

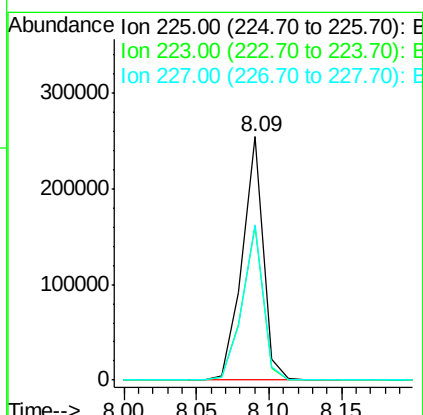
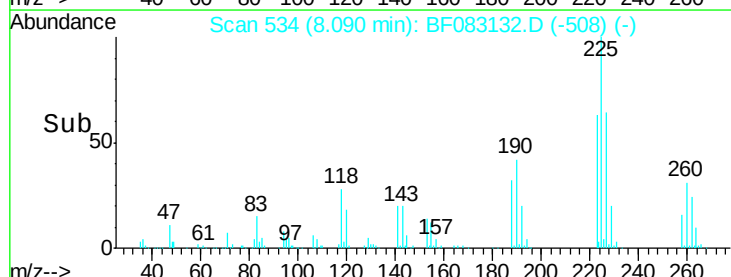
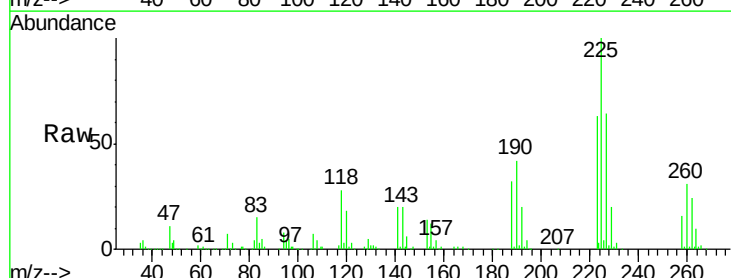
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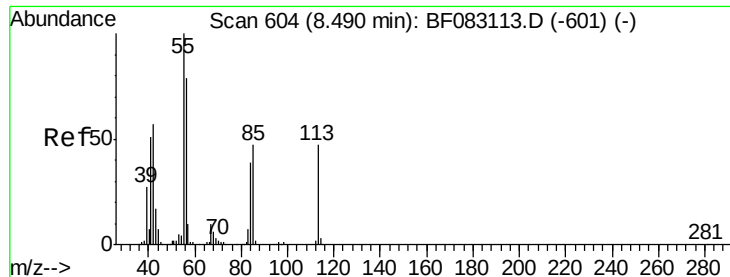
Mmdadoda
11/23/2015 7:01:38 PM



#34
Hexachlorobutadiene
Concen: 34.33 ng
RT: 8.09 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	51.3	76.9		
227	63.8	49.8	74.8		





#35

Caprolactam

Concen: 36.02 ng

RT: 8.42 min Scan# 563

Delta R.T. -0.07 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

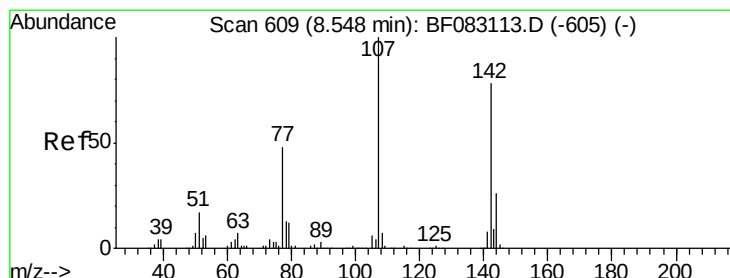
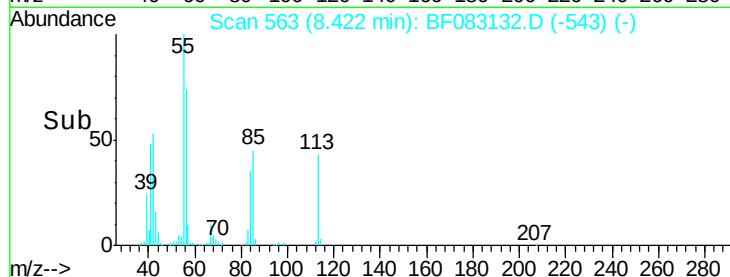
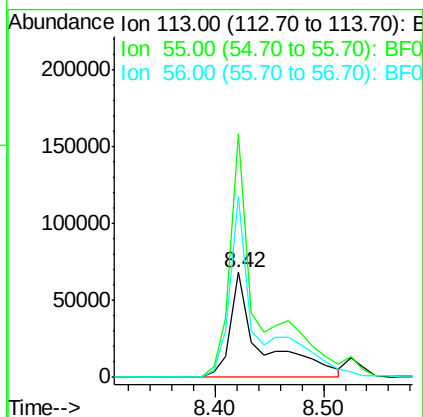
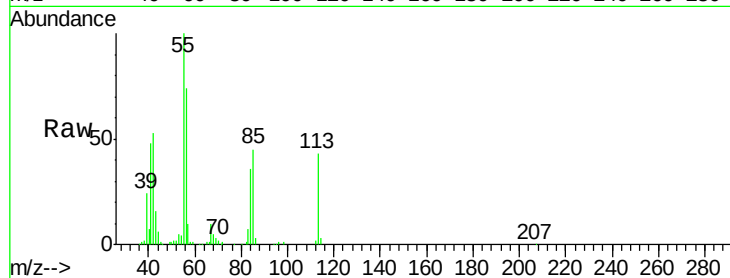
ClientSampleId :

PB86744BSD

Tot Ion:	113	Resp:	133103
Ion Ratio	Lower	Upper	
113	100		
55	231.7	192.6	232.6
56	171.9	148.6	188.6

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#36

4-Chloro-3-methylphenol

Concen: 34.98 ng

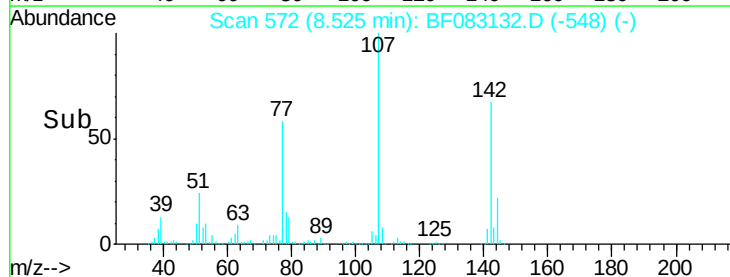
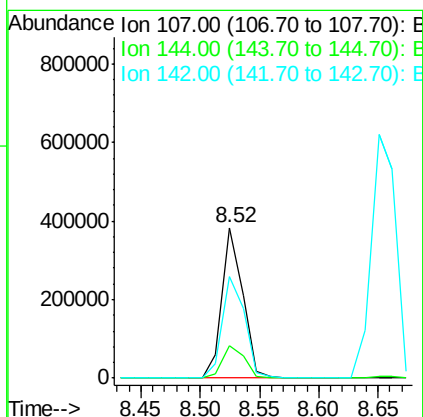
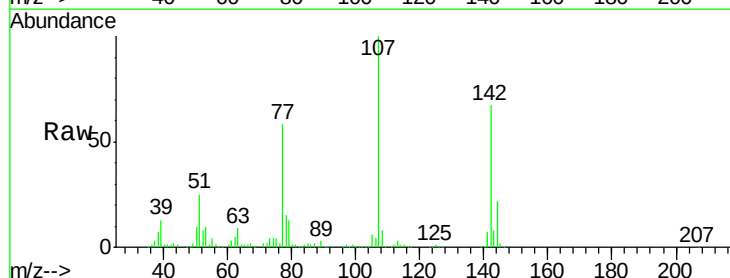
RT: 8.52 min Scan# 572

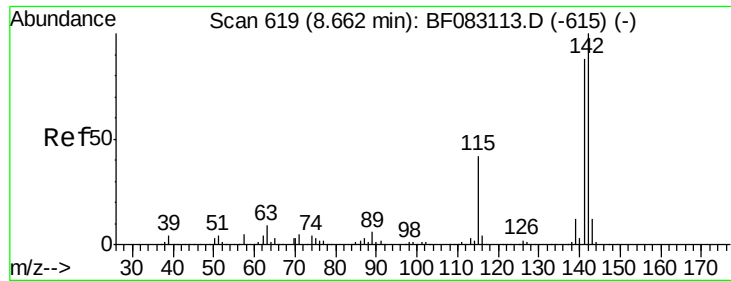
Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	107	Resp:	467087
Ion Ratio	Lower	Upper	
107	100		
144	21.7	20.8	31.2
142	67.3	62.1	93.1





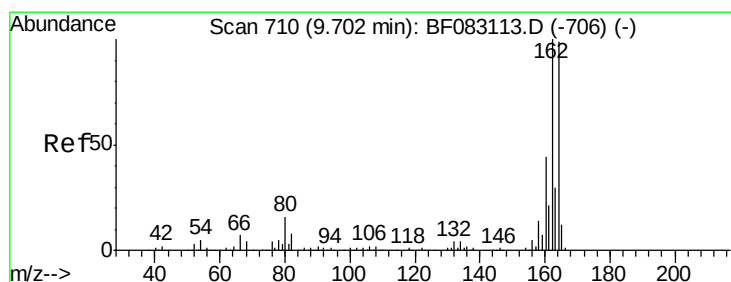
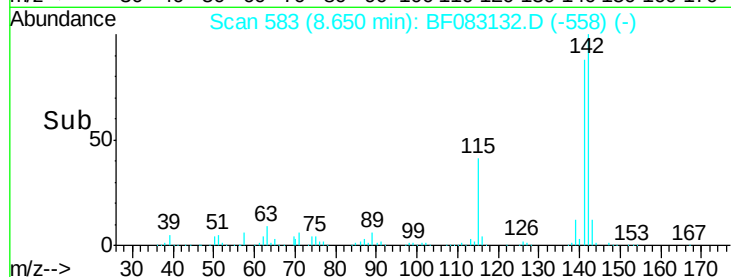
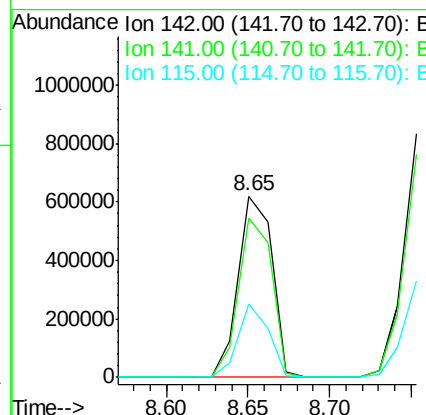
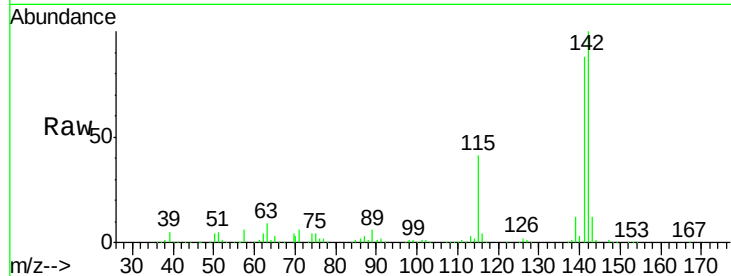
#37
2-Methylnaphthalene
Concen: 34.42 ng
RT: 8.65 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	40.8	33.4	50.2

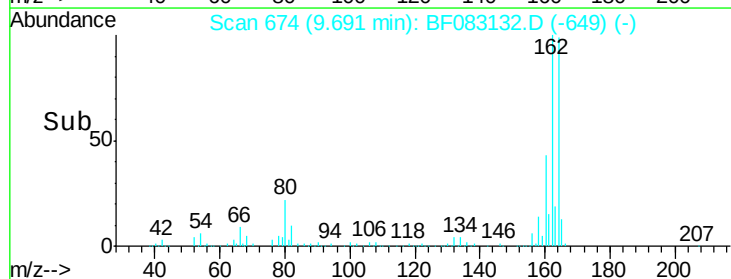
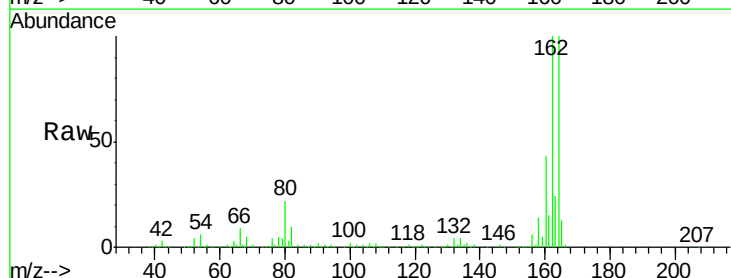
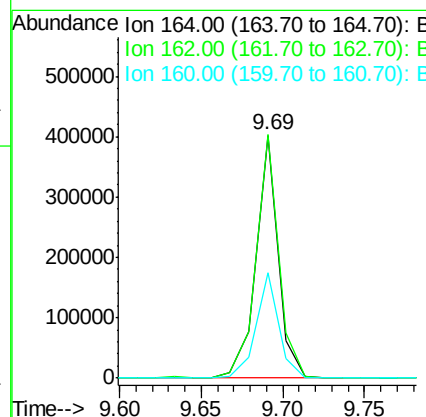
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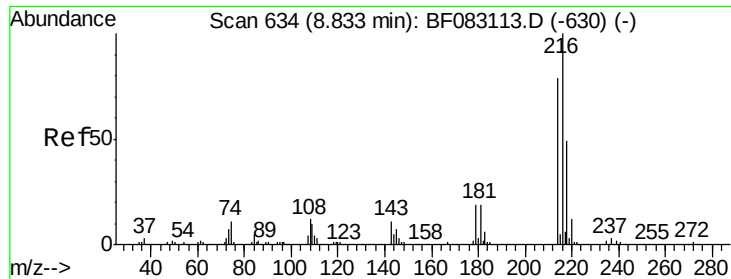
Mmdadoda
11/23/2015 7:01:38 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.2	121.8
160	43.6	35.6	53.4





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.03 ng

RT: 8.82 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

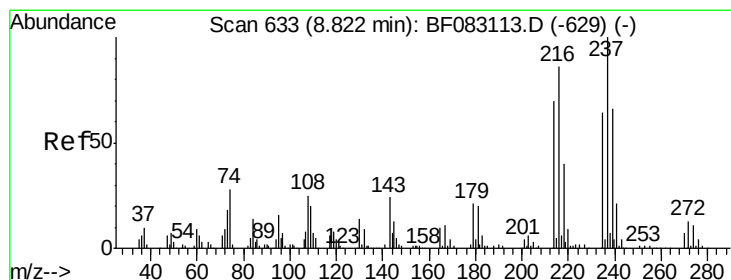
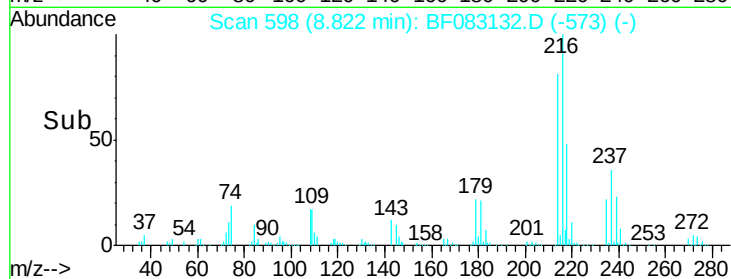
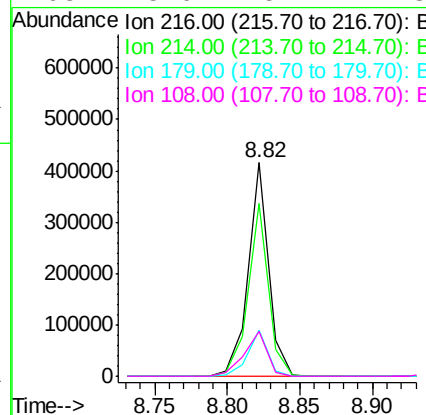
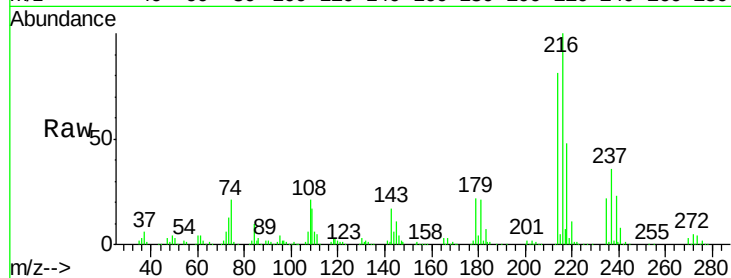
ClientSampleId :

PB86744BSD

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		405616		
214	80.3		63.8	95.8	
179	21.4		17.0	25.6	
108	23.6		15.2	22.8	



#40

Hexachlorocyclopentadiene

Concen: 64.09 ng

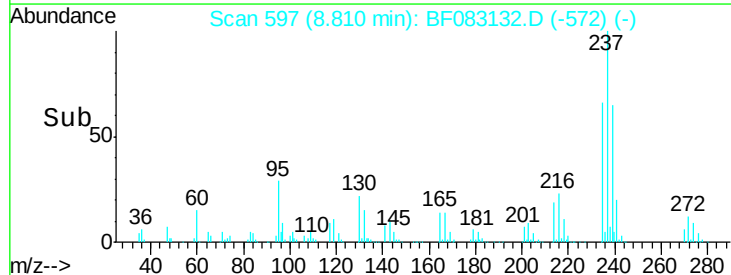
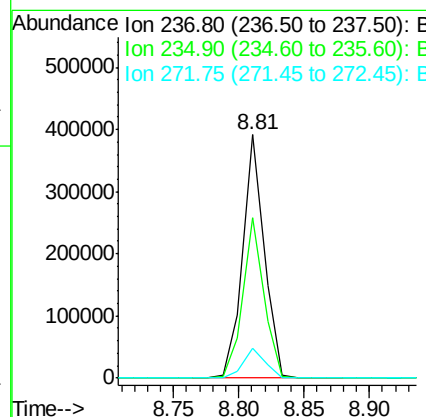
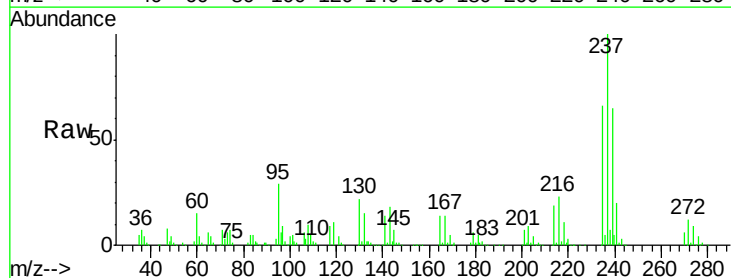
RT: 8.81 min Scan# 597

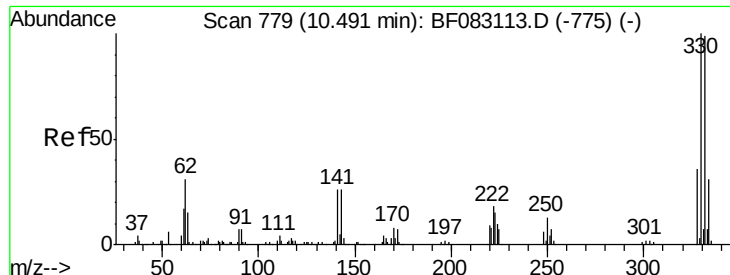
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		447526		
235	66.1		43.5	83.5	
272	12.0		0.0	33.1	





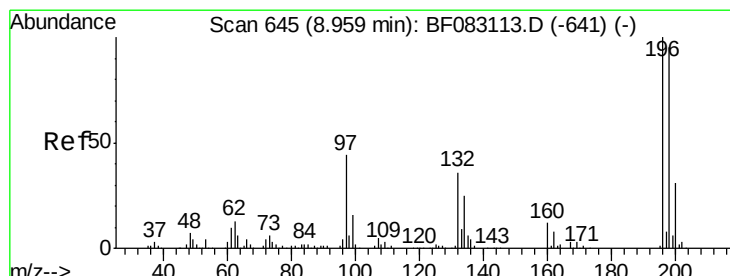
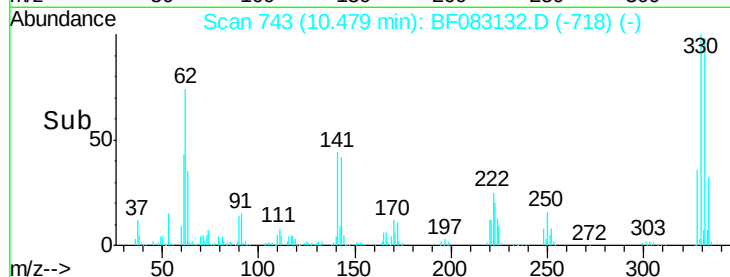
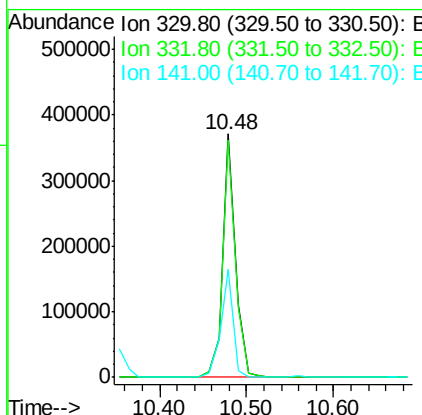
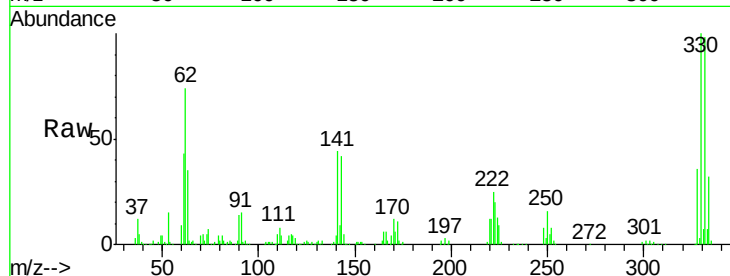
#41
 2,4,6-Tribromophenol
 Concen: 98.88 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	383304		
332	97.8	77.7	116.5	
141	43.0	29.7	44.5	

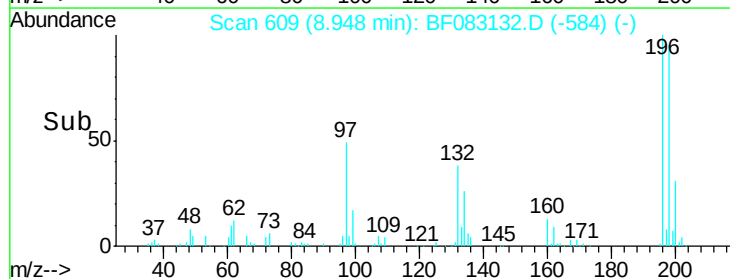
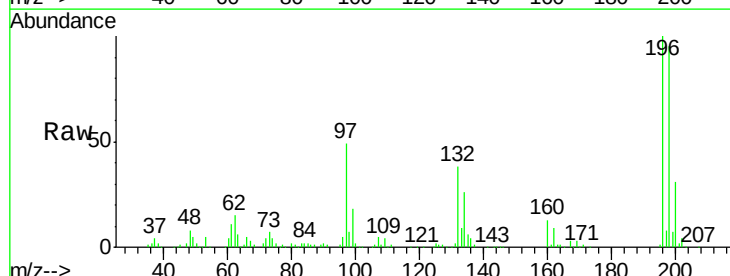
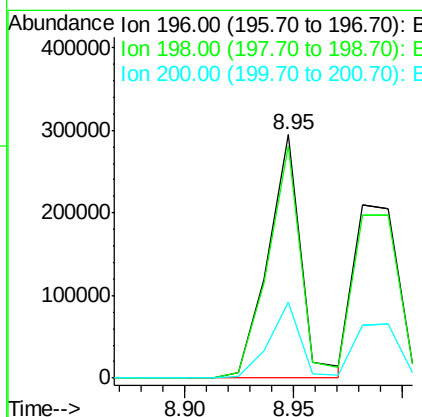
Manual Integrations
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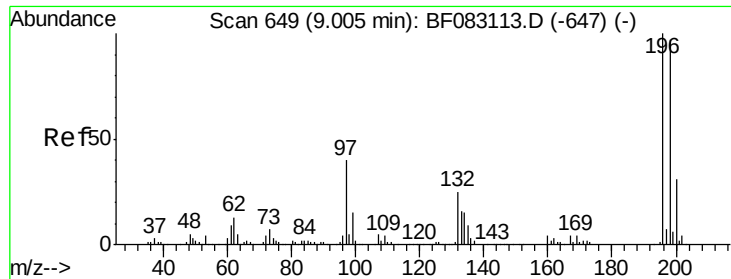
Mmdadoda
 11/23/2015 7:01:38 PM



#42
 2,4,6-Trichlorophenol
 Concen: 35.42 ng
 RT: 8.95 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	311489		
198	95.3	75.9	113.9	
200	31.1	24.5	36.7	





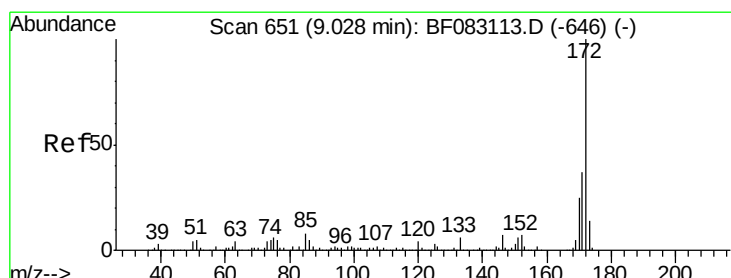
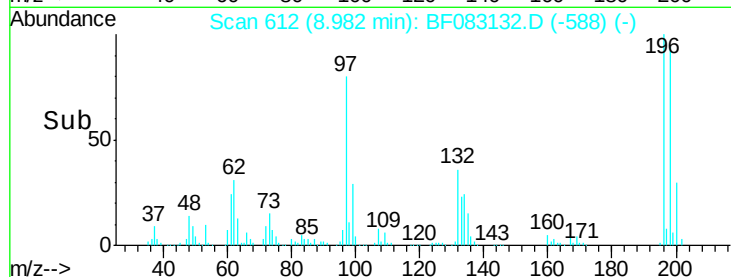
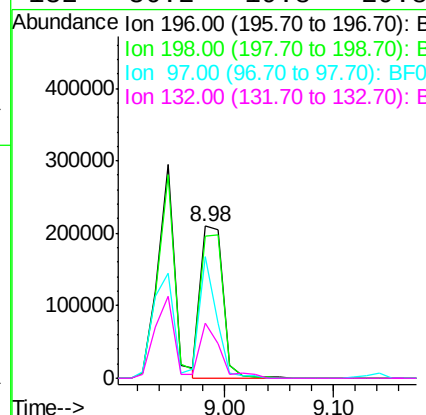
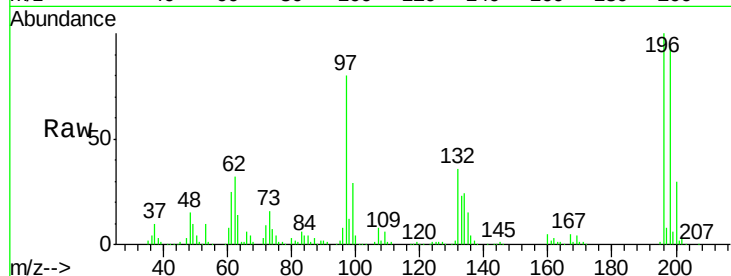
#43
2,4,5-Trichlorophenol
Concen: 33.73 ng
RT: 8.98 min Scan# 612
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	303298		
198	94.0	77.6	116.4	
97	80.1	32.6	48.8#	
132	36.2	19.8	29.8#	

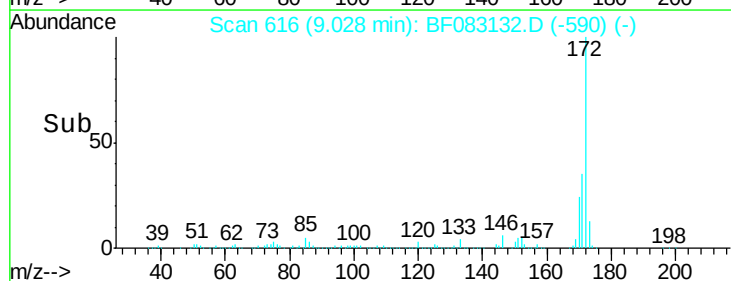
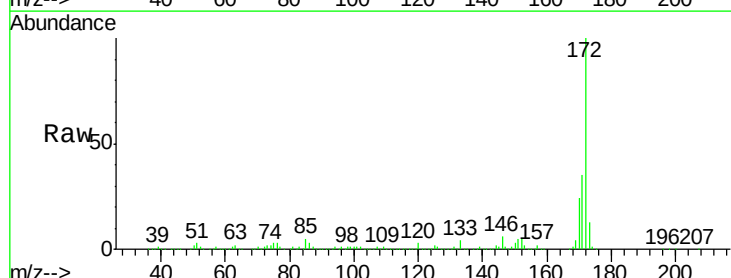
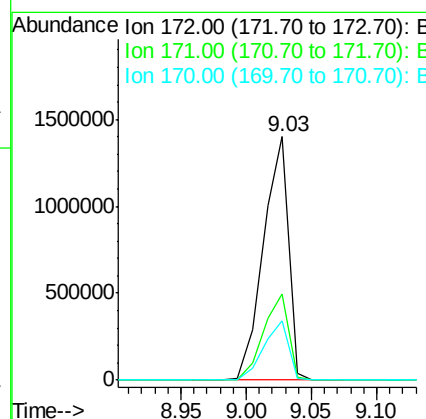
Manual Integrations
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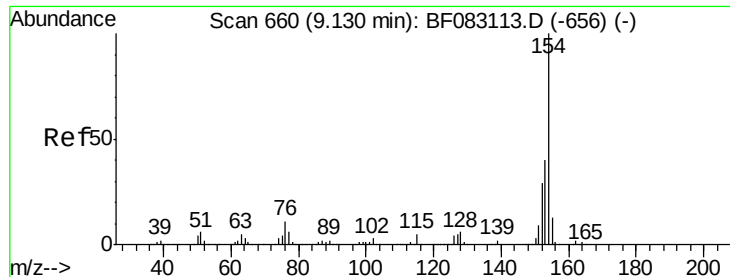
Mmdadoda
11/23/2015 7:01:38 PM



#44
2-Fluorobiphenyl
Concen: 69.60 ng
RT: 9.03 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1891043		
171	35.2	29.5	44.3	
170	24.1	19.9	29.9	





#45

1,1'-Biphenyl

Concen: 33.20 ng

RT: 9.12 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:154 Resp: 1070719

Ion Ratio Lower Upper

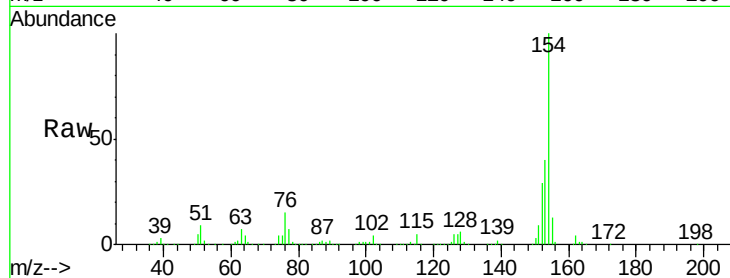
154 100

153 40.5 20.5 60.5

76 14.7 0.0 31.2

Manual Integrations
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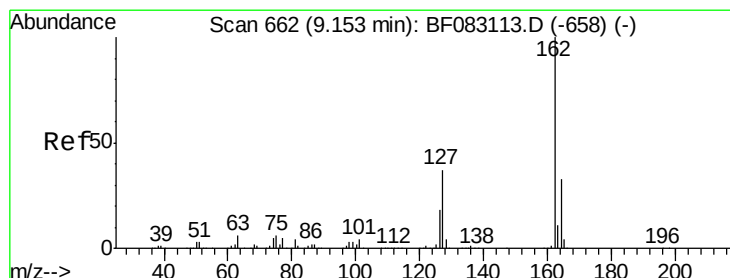
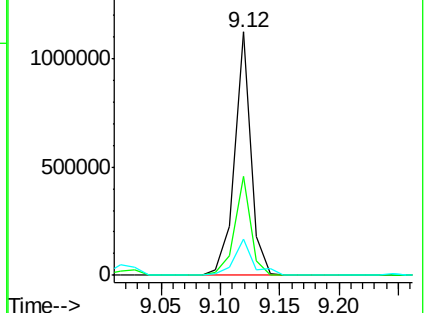
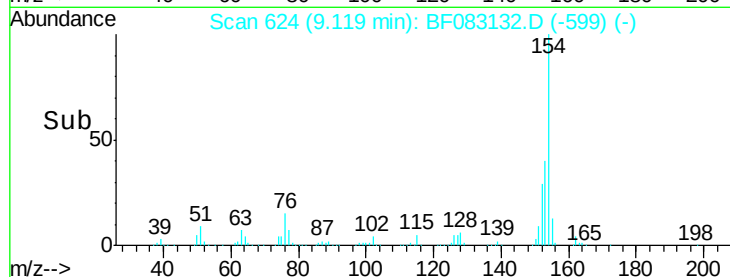
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11/23/2015 7:01:38 PM



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: 35.36 ng

RT: 9.14 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

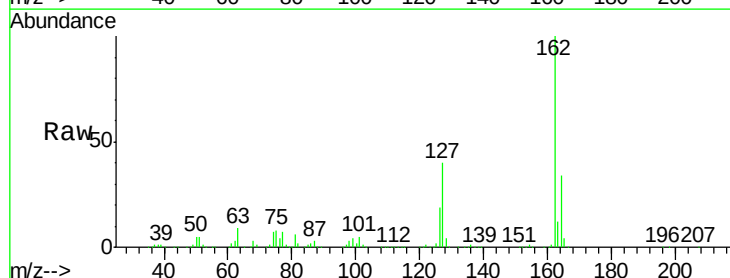
Tgt Ion:162 Resp: 895750

Ion Ratio Lower Upper

162 100

127 40.4 29.4 44.2

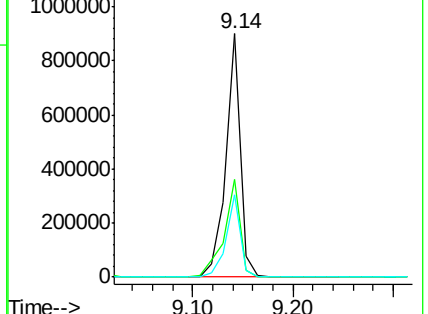
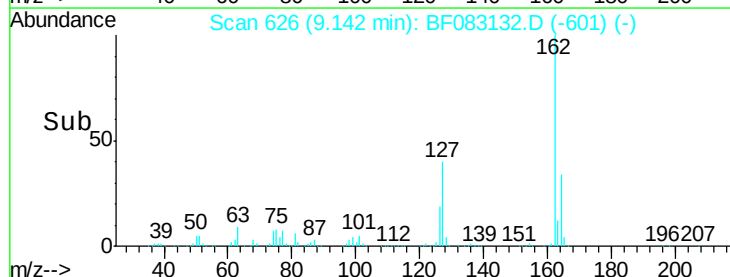
164 33.9 26.2 39.4

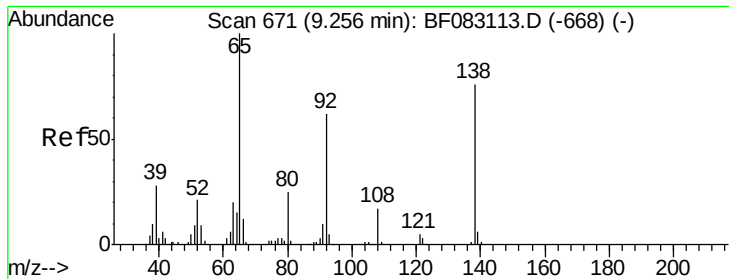


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 35.01 ng

RT: 9.24 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

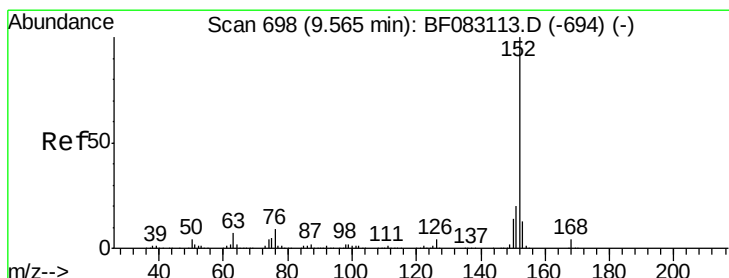
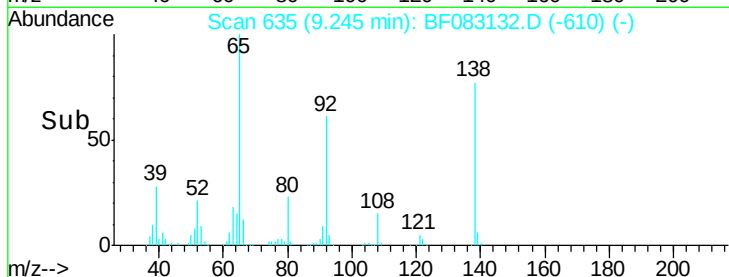
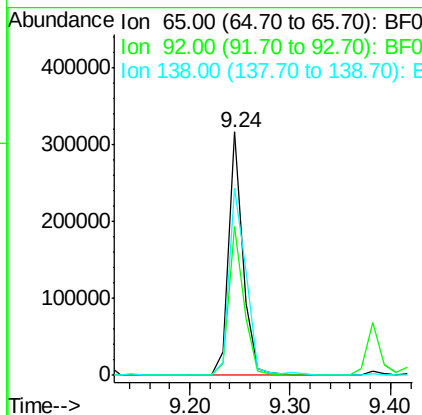
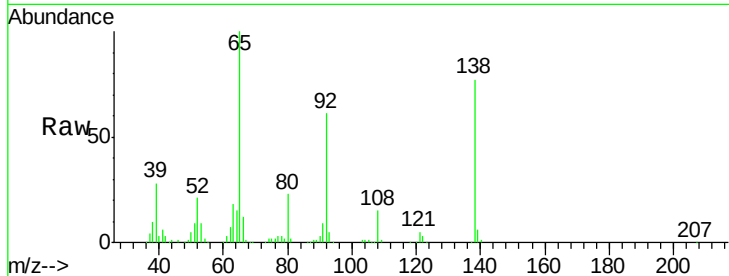
ClientSampleId :

PB86744BSD

Tot Ion	65	Resp	313707
Ion Ratio	Lower	Upper	
65	100		
92	61.1	49.5	74.3
138	77.1	60.7	91.1

Manual Integrations
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#48

Acenaphthylene

Concen: 35.49 ng

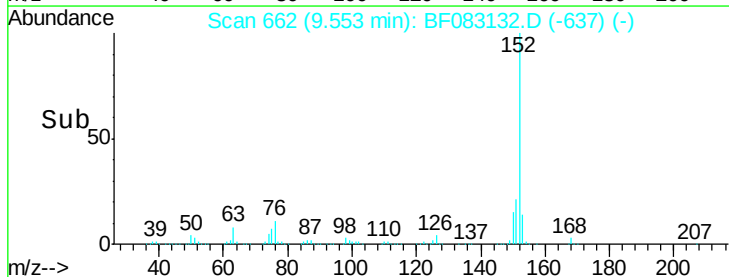
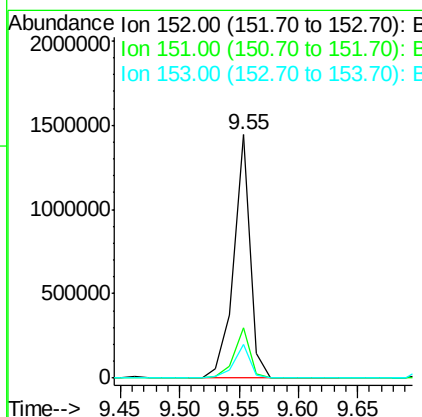
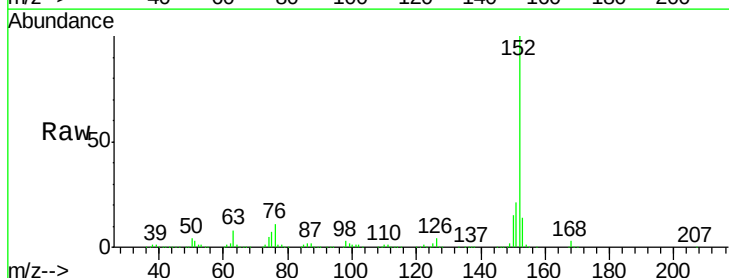
RT: 9.55 min Scan# 662

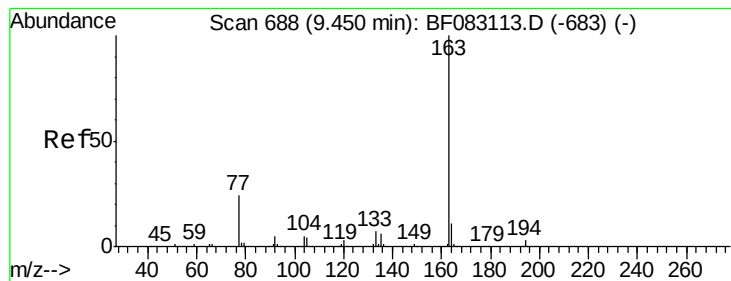
Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion	152	Resp	1393196
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.8	10.8	16.2





#49

Dimethylphthalate

Concen: 37.09 ng

RT: 9.44 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:163 Resp: 1081891

Ion Ratio Lower Upper

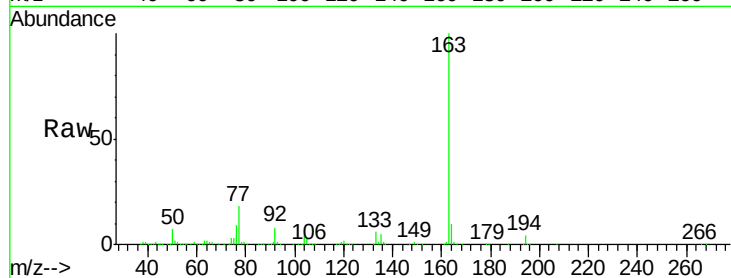
163 100

194 3.8 2.6 4.0

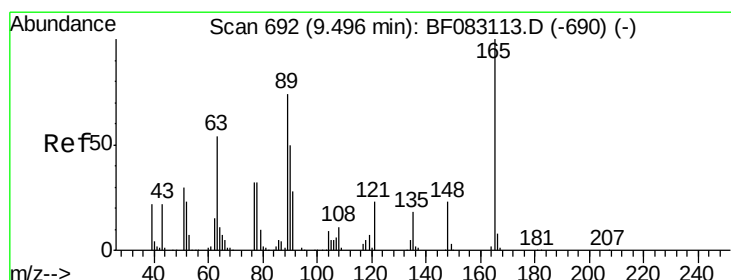
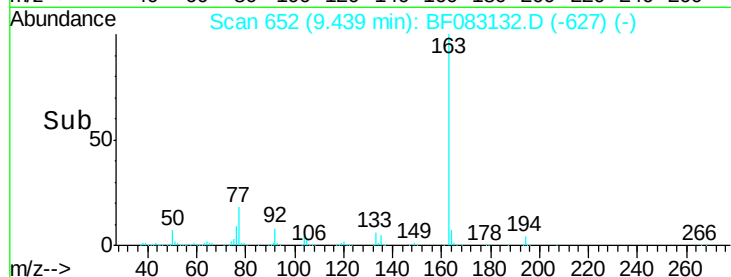
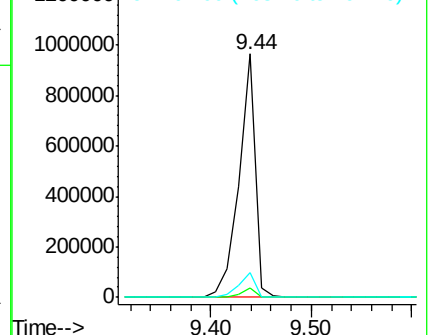
164 10.0 8.6 12.8

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



#50

2,6-Dinitrotoluene

Concen: 35.29 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

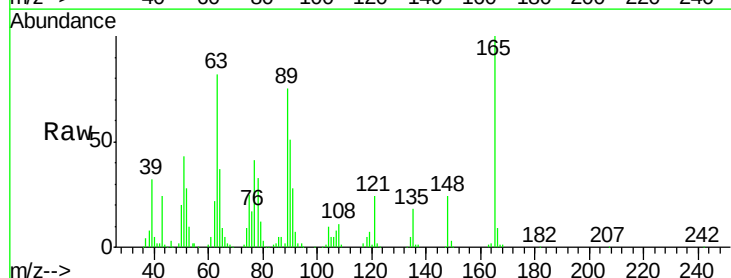
Tgt Ion:165 Resp: 231005

Ion Ratio Lower Upper

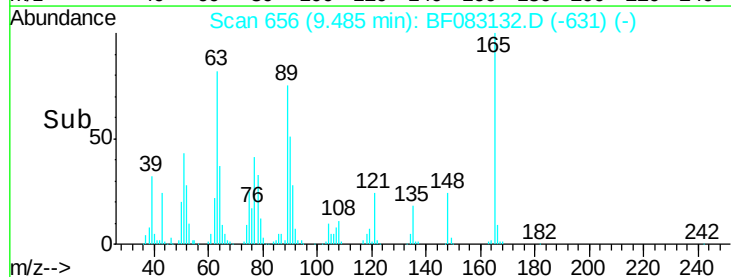
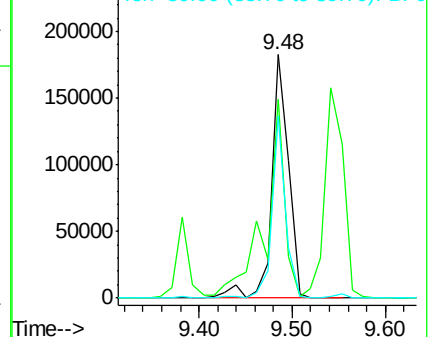
165 100

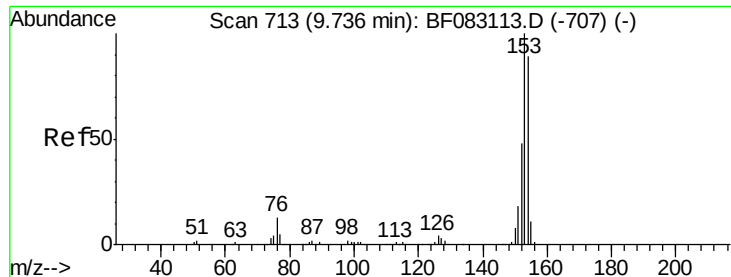
63 81.6 62.5 93.7

89 74.7 59.1 88.7



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





#51

Acenaphthene

Concen: 35.21 ng

RT: 9.72 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

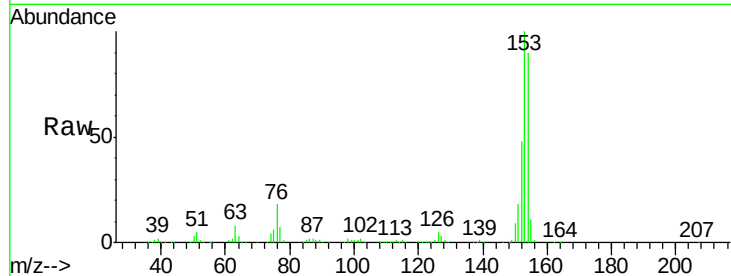
ClientSampleId :

PB86744BSD

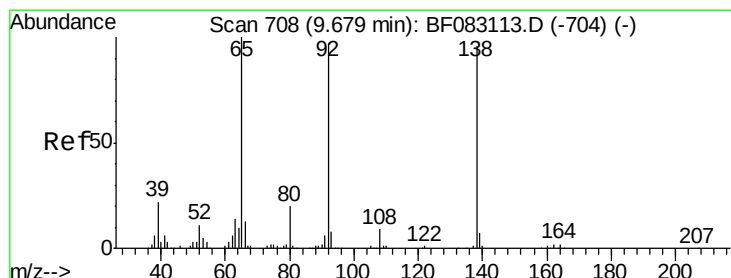
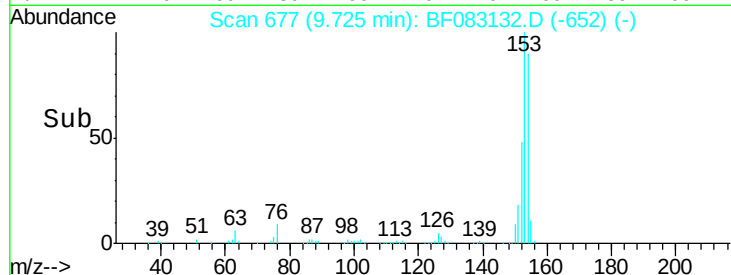
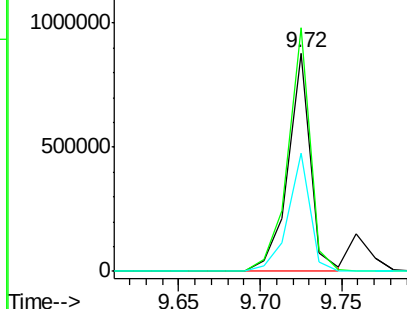
Tot Ion:	154	Resp:	841066
Ion Ratio	Lower	Upper	
154	100		
153	111.6	89.6	134.4
152	54.0	43.3	64.9

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.38 ng

RT: 9.66 min Scan# 671

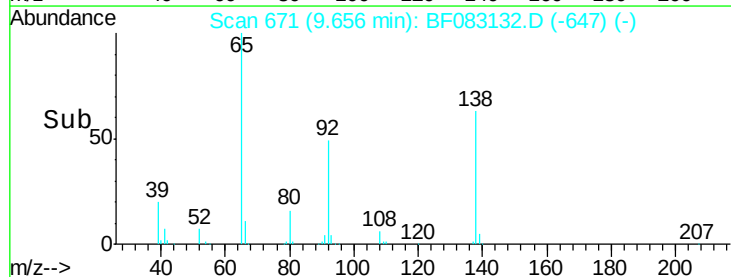
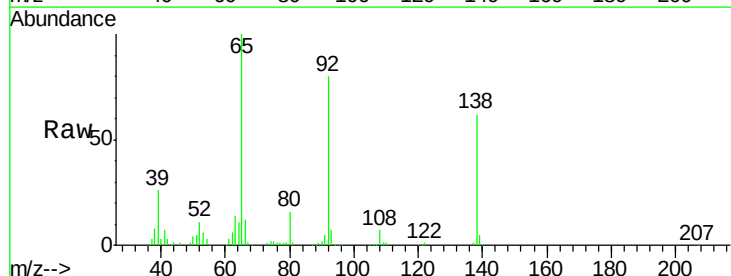
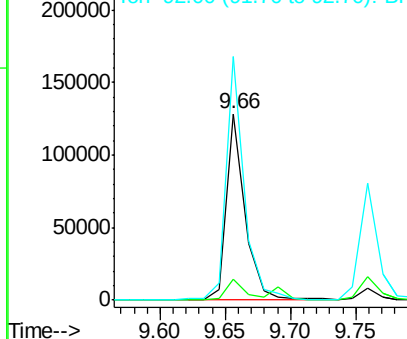
Delta R.T. -0.02 min

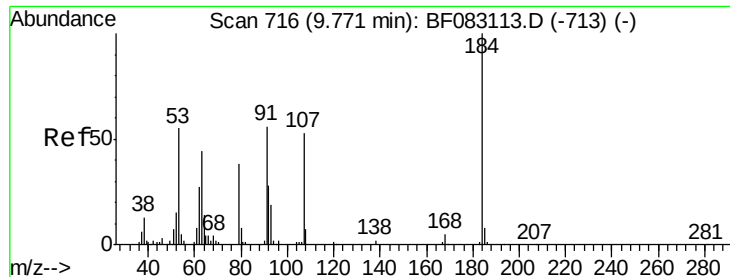
Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	138	Resp:	128273
Ion Ratio	Lower	Upper	
138	100		
108	11.0	7.8	11.6
92	130.6	81.1	121.7#

Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





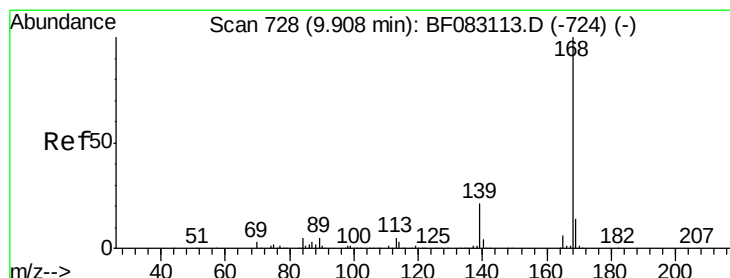
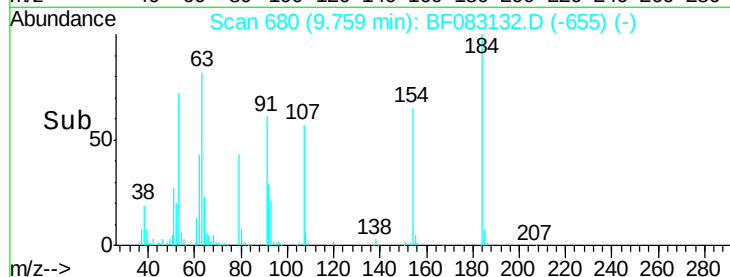
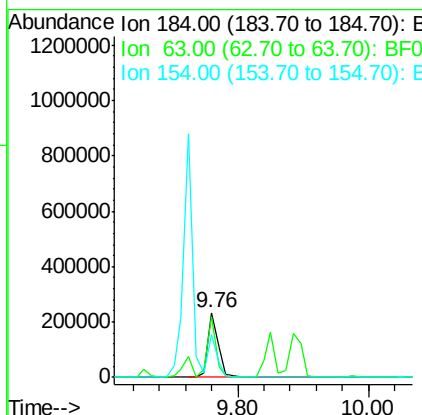
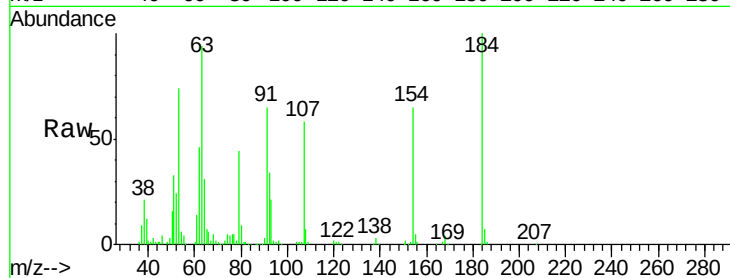
#53
2,4-Dinitrophenol
Concen: 69.82 ng
RT: 9.76 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	263278		
63	94.2	60.5	90.7#	
154	65.5	54.3	81.5	

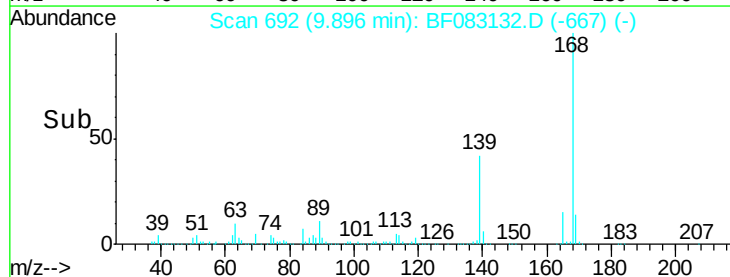
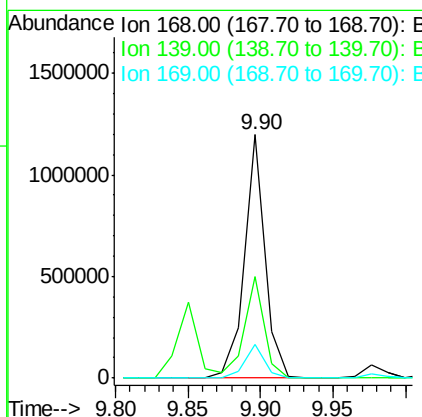
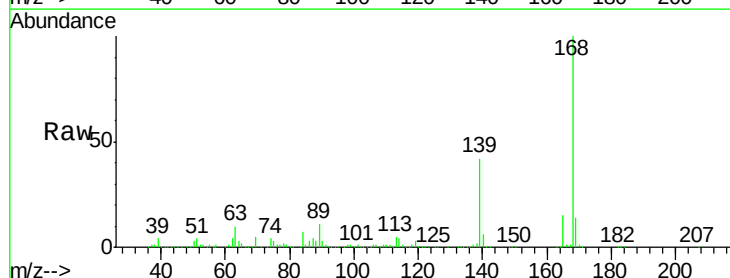
Manual Integrations
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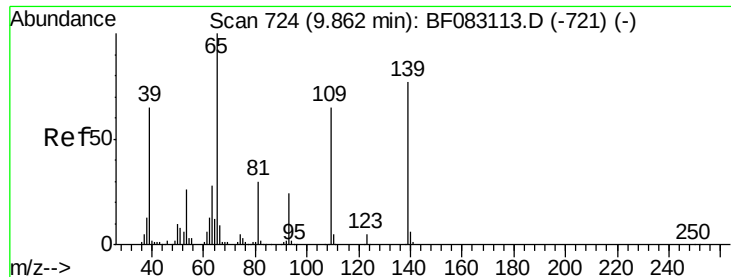
Mmdadoda
11/23/2015 7:01:38 PM



#54
Dibenzofuran
Concen: 34.76 ng
RT: 9.90 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1174236		
139	41.6	30.2	45.2	
169	13.9	10.9	16.3	





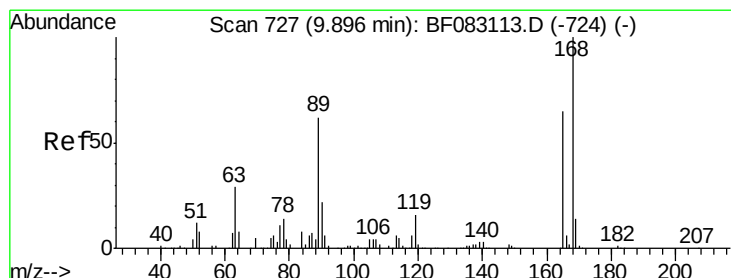
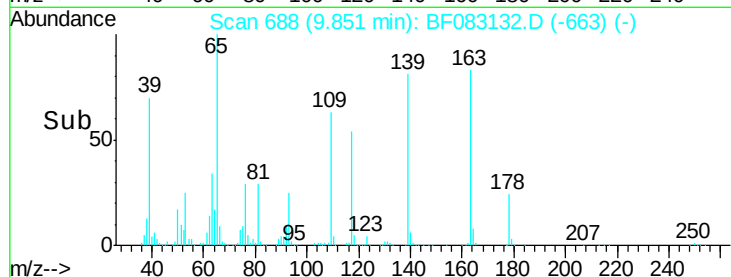
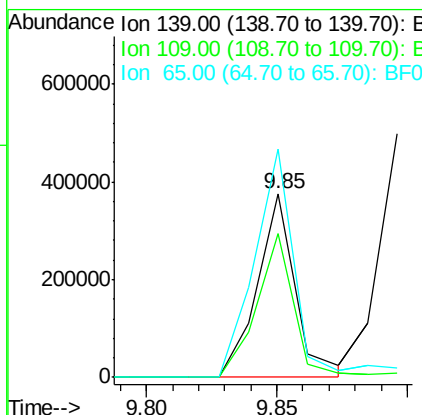
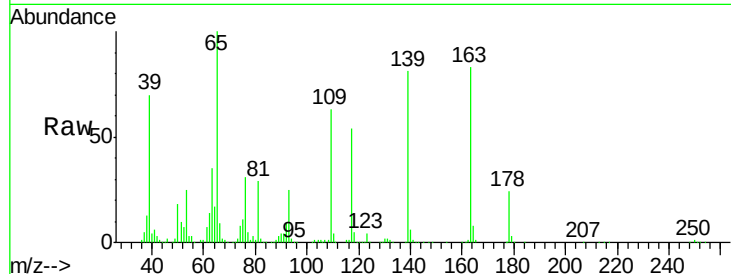
#55
4-Nitrophenol
Concen: 71.52 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	78.1	64.0	104.0	
65	123.9	109.5	149.5	

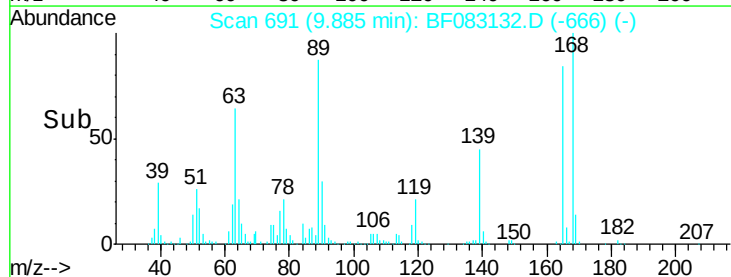
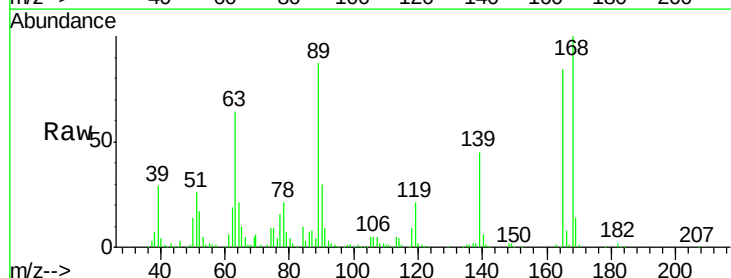
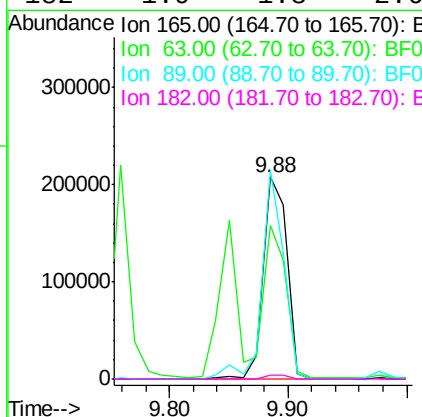
Manual Integrations
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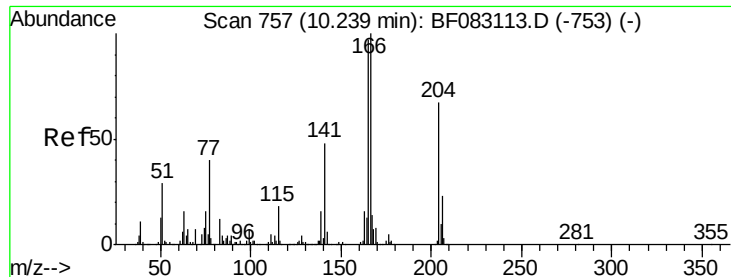
Mmdadoda
11/23/2015 7:01:38 PM



#56
2,4-Dinitrotoluene
Concen: 34.98 ng
RT: 9.88 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	76.3	54.5	81.7	
89	103.7	77.3	115.9	
182	1.9	1.8	2.6	





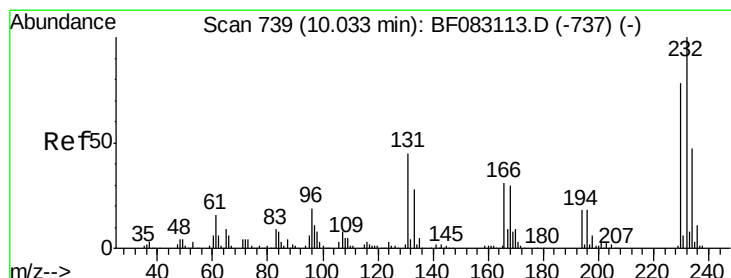
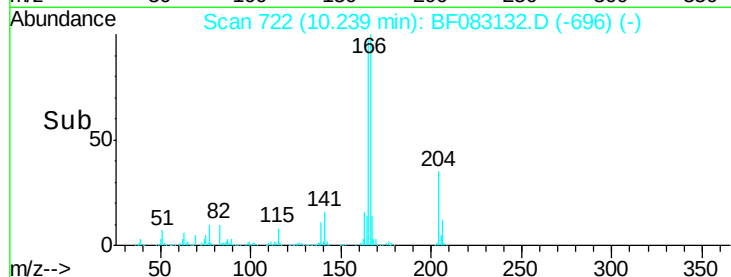
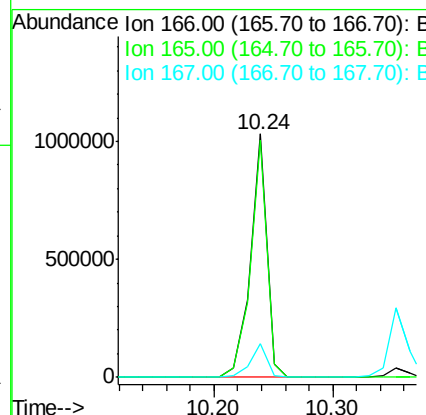
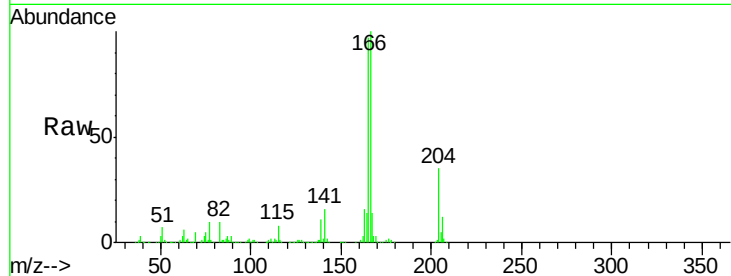
#57
 Fluorene
 Concen: 35.92 ng
 RT: 10.24 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.0	117.0
167	13.7	11.3	16.9

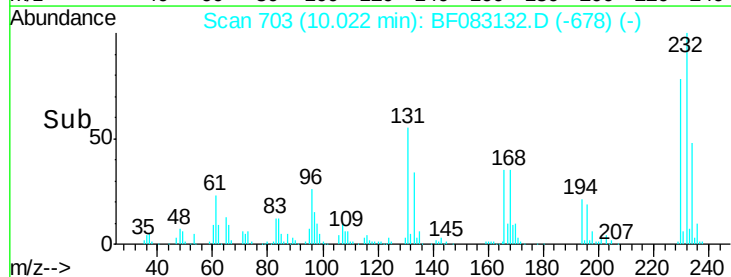
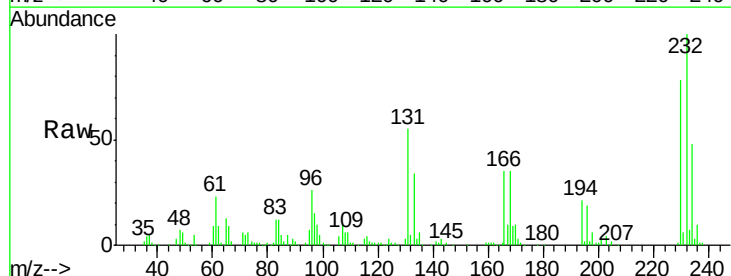
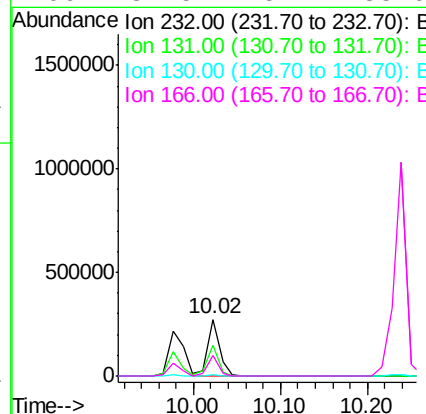
Manual Integrations
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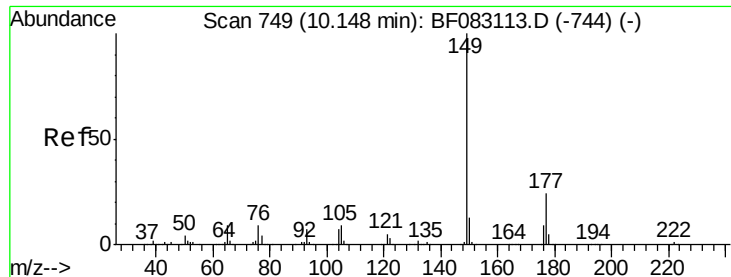
Mmdadoda
 11/23/2015 7:01:38 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 35.82 ng
 RT: 10.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.8	38.6	57.8
130	2.4	1.9	2.9
166	32.5	25.4	38.0





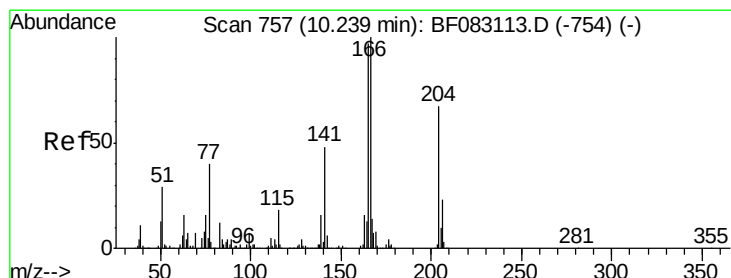
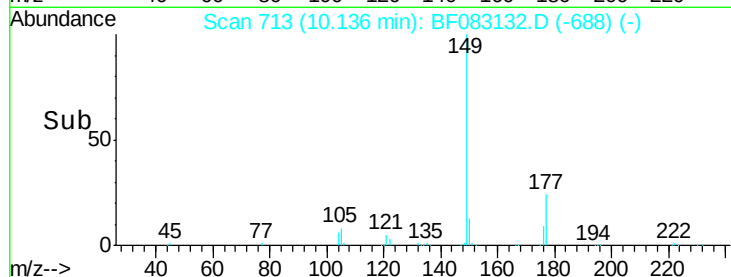
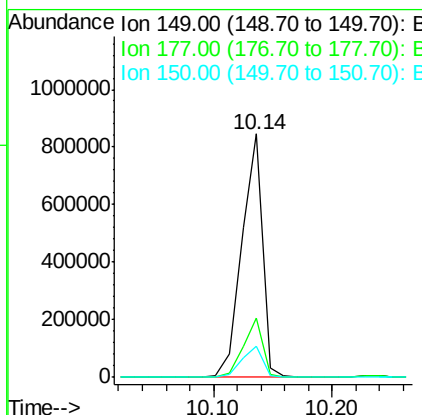
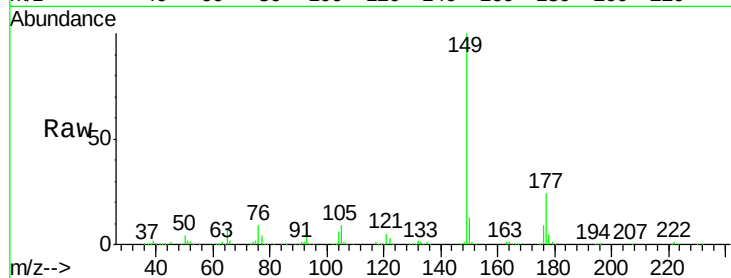
#59
Diethylphthalate
Concen: 35.37 ng
RT: 10.14 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion:149 Resp: 1026946
Ion Ratio Lower Upper
149 100
177 24.4 19.4 29.2
150 12.8 10.2 15.2

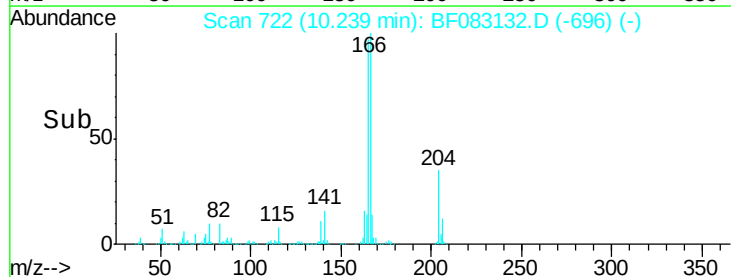
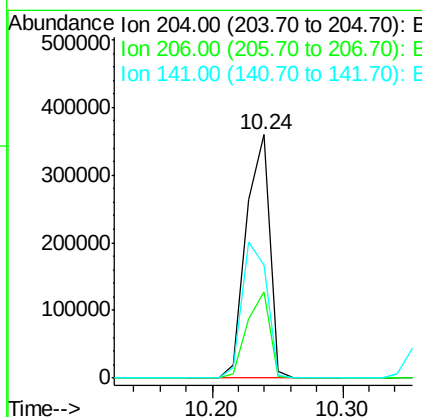
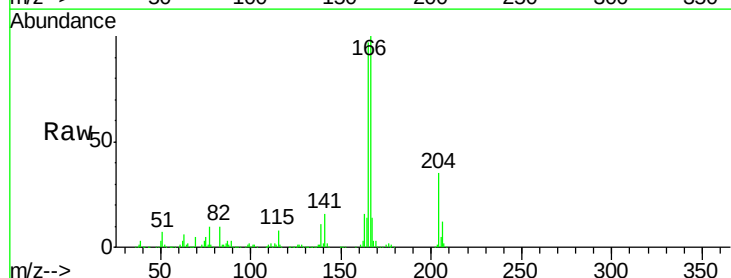
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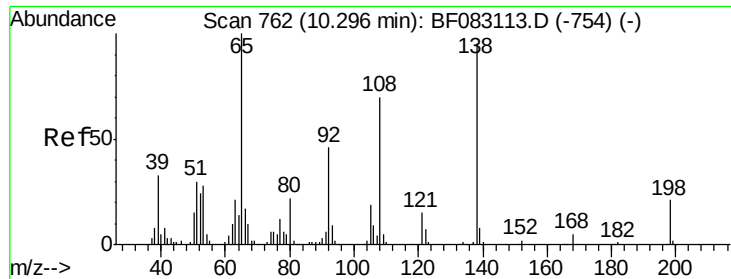
Mmdadoda
11/23/2015 7:01:38 PM



#60
4-Chlorophenyl-phenylether
Concen: 35.14 ng
RT: 10.24 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion:204 Resp: 449242
Ion Ratio Lower Upper
204 100
206 35.7 27.4 41.0
141 46.7 57.4 86.2#





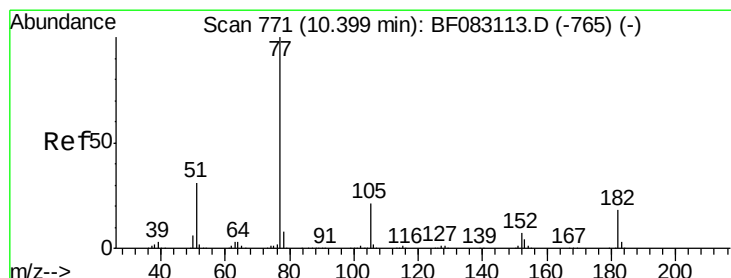
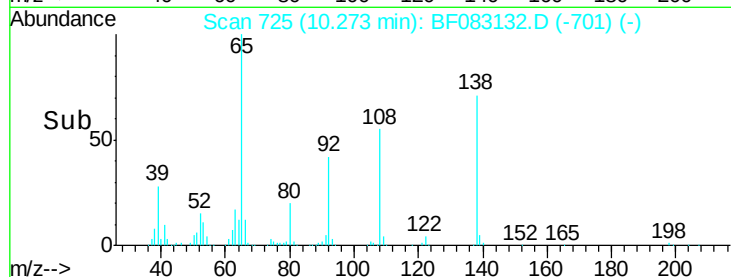
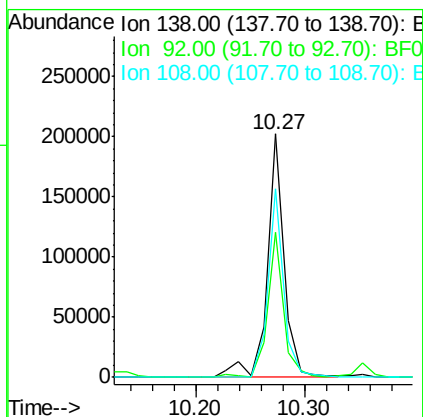
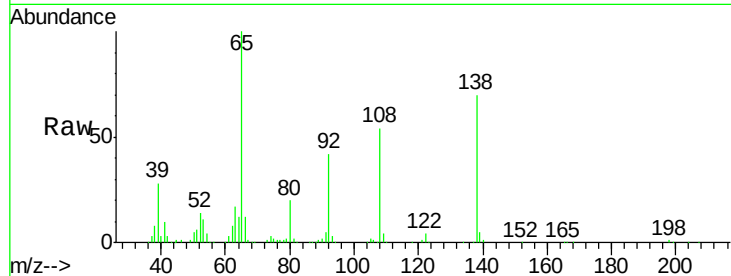
#61
4-Nitroaniline
Concen: 32.07 ng
RT: 10.27 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	59.7	28.4	68.4
108	77.4	53.5	93.5

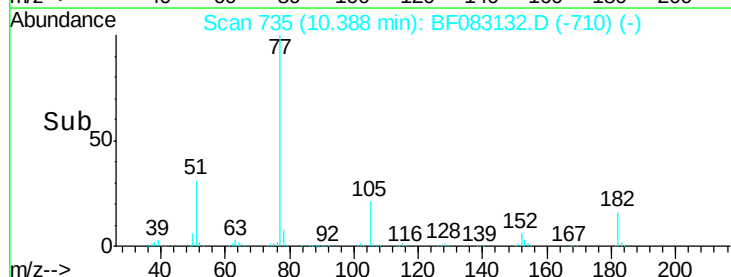
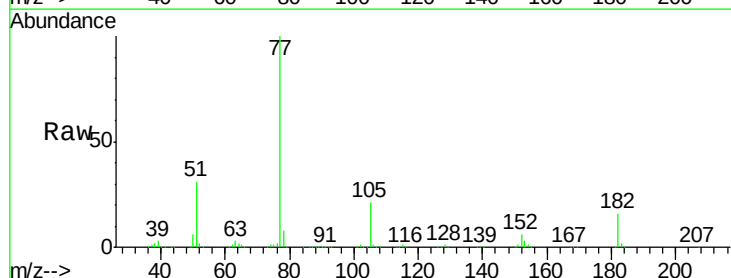
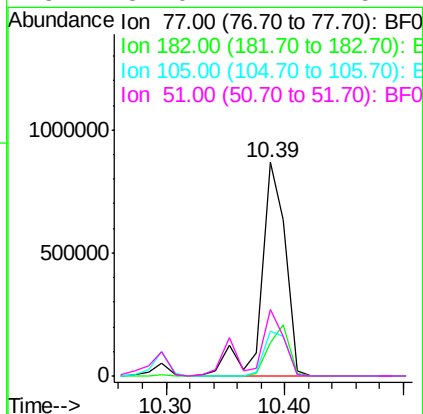
Manual Integrations
APPROVED

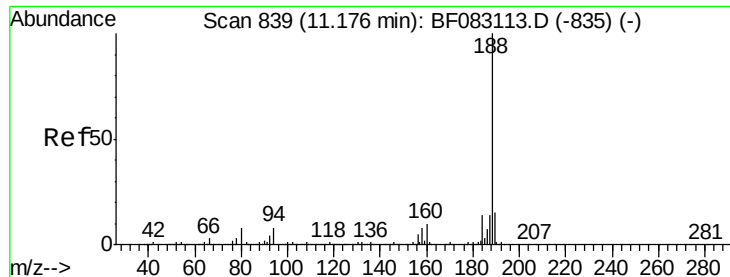
Mmdadoda
11/23/2015 7:01:38 PM



#62
Azobenzene
Concen: 37.05 ng
RT: 10.39 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
77	100		
182	15.6	0.0	38.3
105	20.9	1.2	41.2
51	31.0	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: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

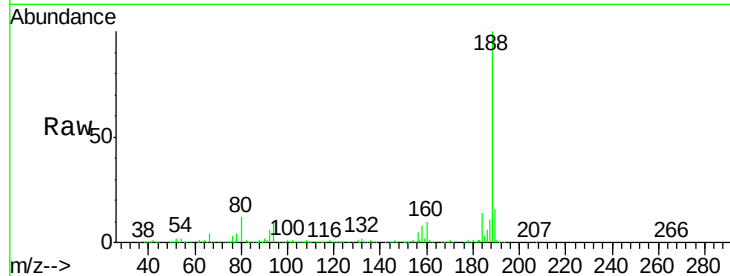
ClientSampleId :

PB86744BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		709225		
94	9.9	6.0	9.0#		
80	12.3	6.7	10.1#		

Manual Integrations
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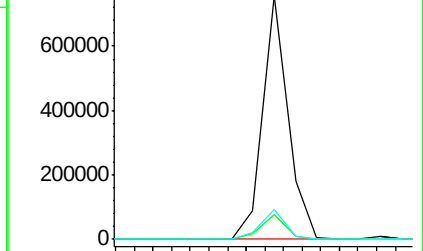
Mmdadoda
11/23/2015 7:01:38 PM



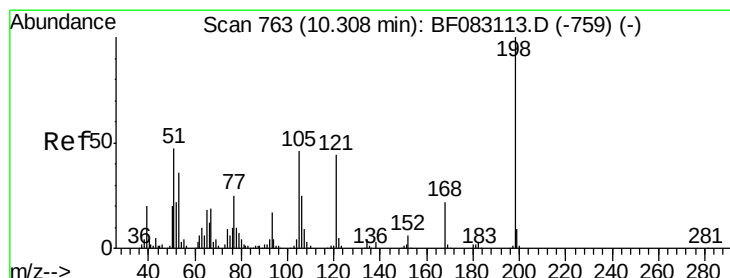
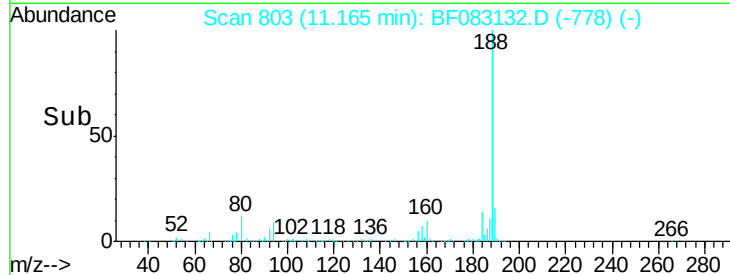
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 38.14 ng

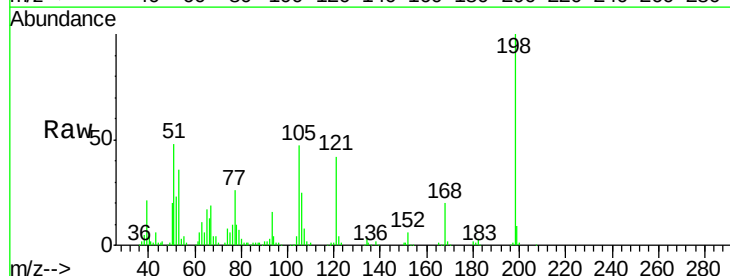
RT: 10.30 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

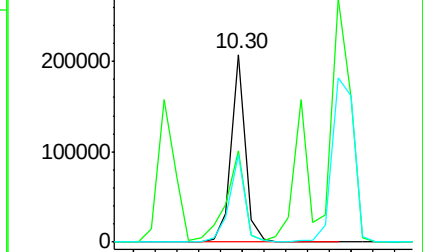
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
198	100		186388		
51	48.5	27.0	67.0		
105	46.7	26.1	66.1		



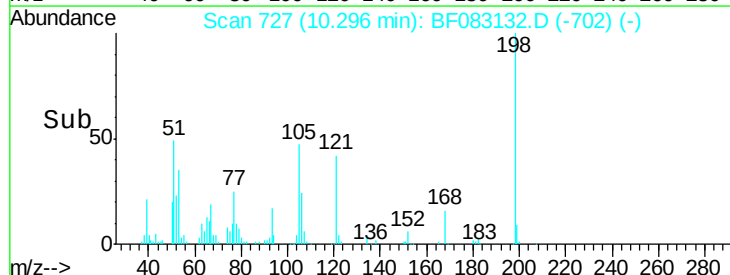
Abundance Ion 198.00 (197.70 to 198.70): E

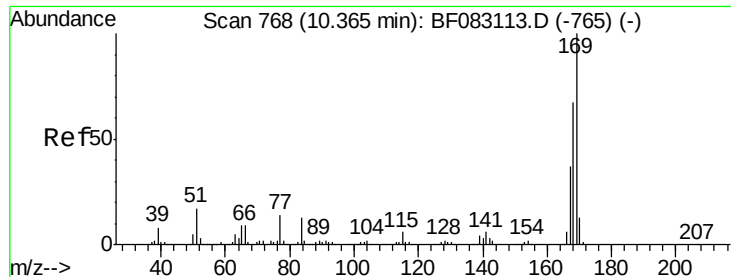
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





#65

n-Nitrosodiphenylamine

Concen: 34.45 ng

RT: 10.35 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

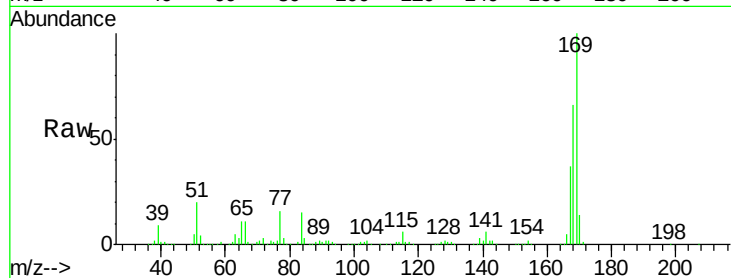
ClientSampleId :

PB86744BSD

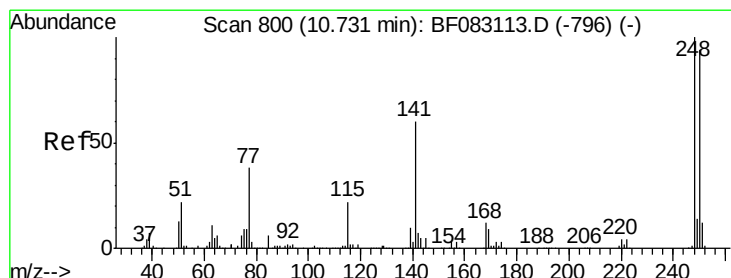
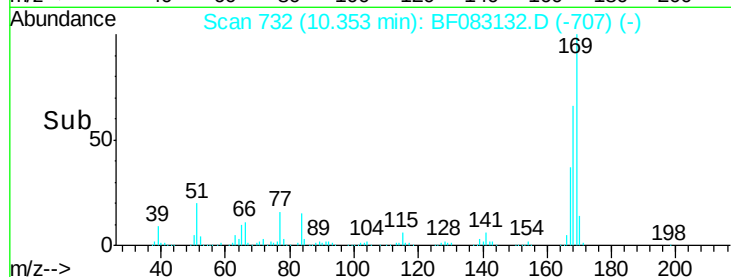
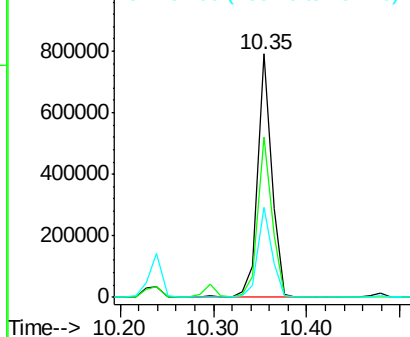
Tot Ion:	169	Resp:	831106
Ion Ratio	Lower	Upper	
169	100		
168	66.0	53.8	80.6
167	37.1	29.8	44.8

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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: 36.31 ng

RT: 10.72 min Scan# 764

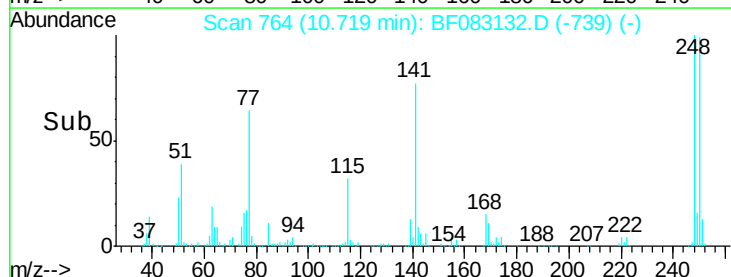
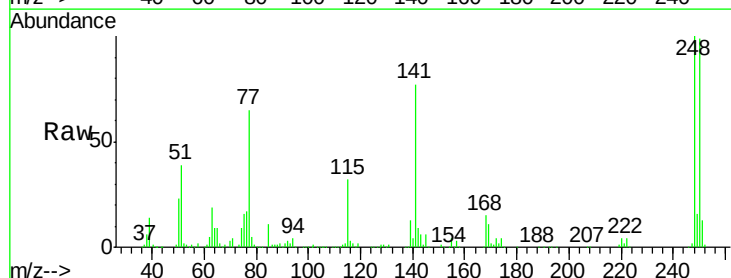
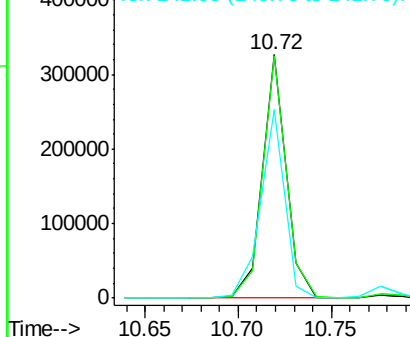
Delta R.T. -0.01 min

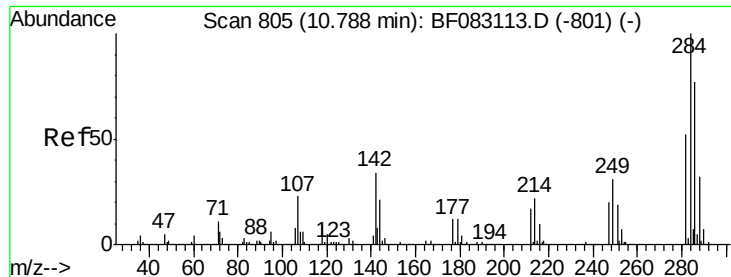
Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Tgt Ion:	248	Resp:	285749
Ion Ratio	Lower	Upper	
248	100		
250	99.3	75.4	113.2
141	77.2	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: 35.16 ng

RT: 10.79 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

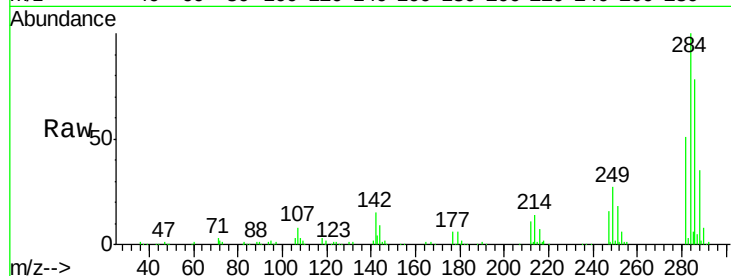
ClientSampleId :

PB86744BSD

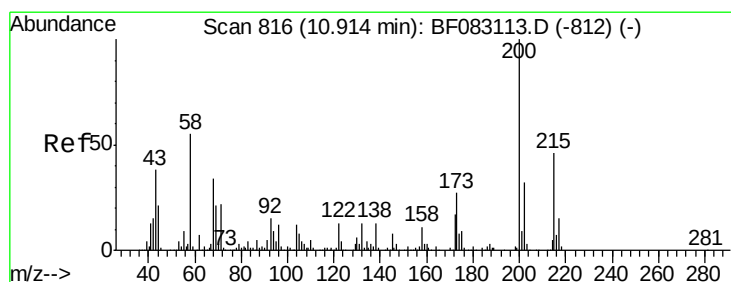
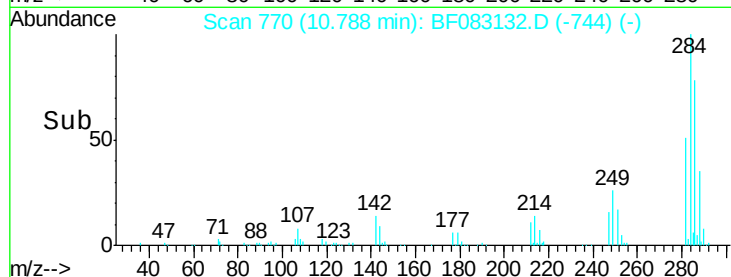
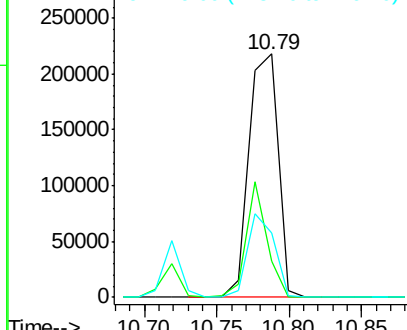
Tot Ion:	284	Resp:	304706
Ion Ratio	Lower	Upper	
284	100		
142	14.8	27.6	41.4#
249	26.6	25.5	38.3

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



#68

Atrazine

Concen: 38.01 ng

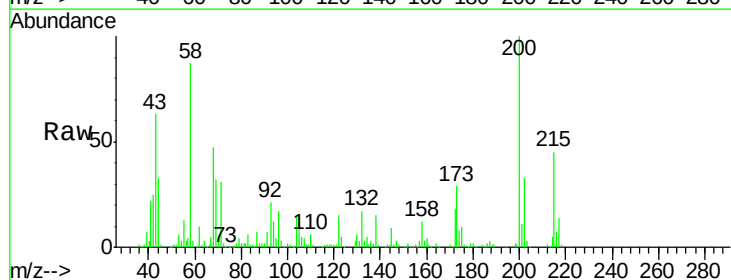
RT: 10.89 min Scan# 779

Delta R.T. -0.02 min

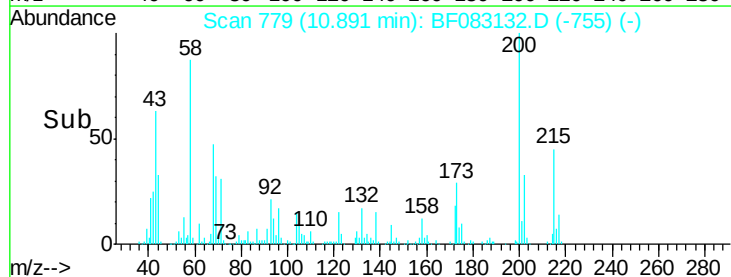
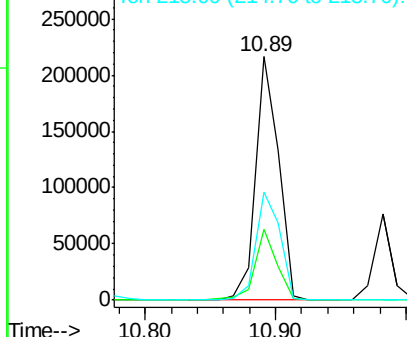
Lab File: BF083132.D

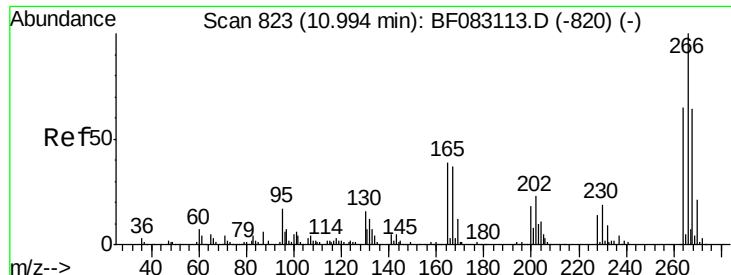
Acq: 22 Nov 2015 2:04

Tgt Ion:	200	Resp:	266246
Ion Ratio	Lower	Upper	
200	100		
173	28.9	7.2	47.2
215	44.6	25.7	65.7



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





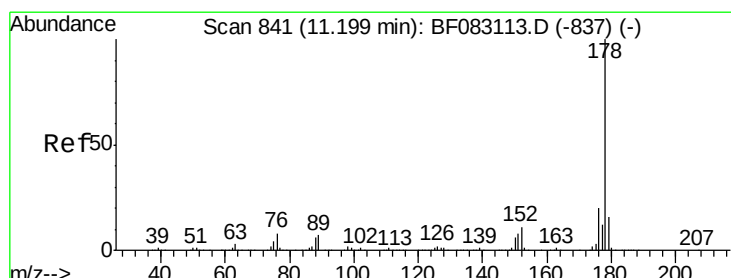
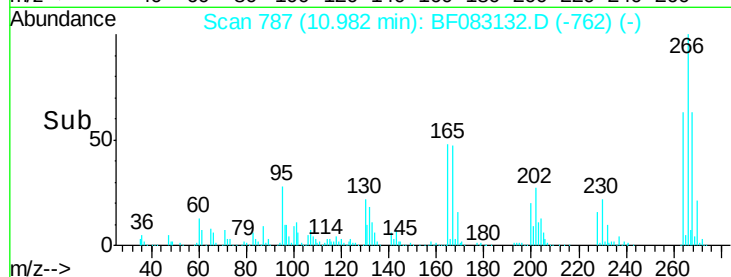
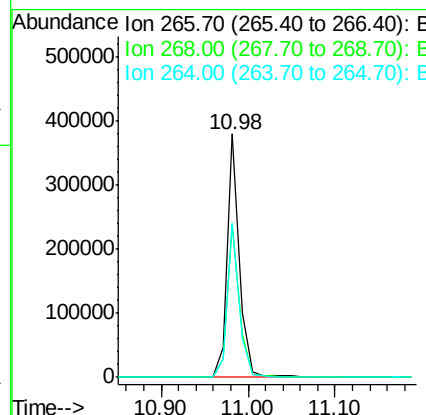
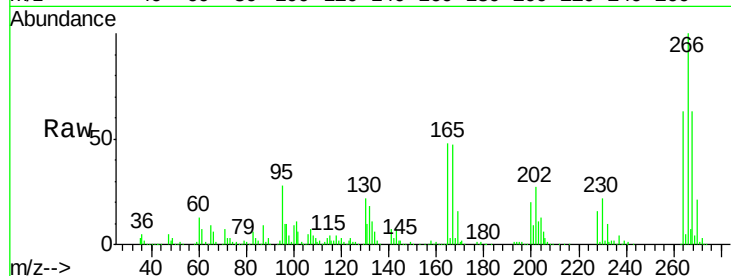
#69
 Pentachlorophenol
 Concen: 66.64 ng
 RT: 10.98 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	376195		
268	62.5		51.4	77.0
264	63.3		51.7	77.5

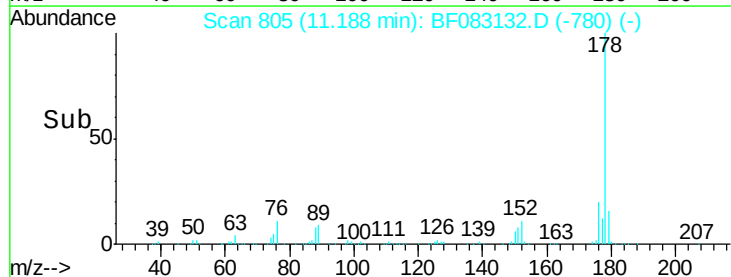
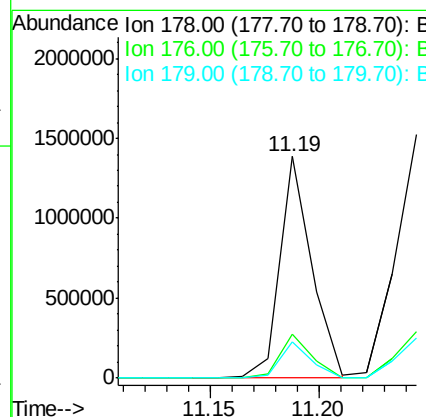
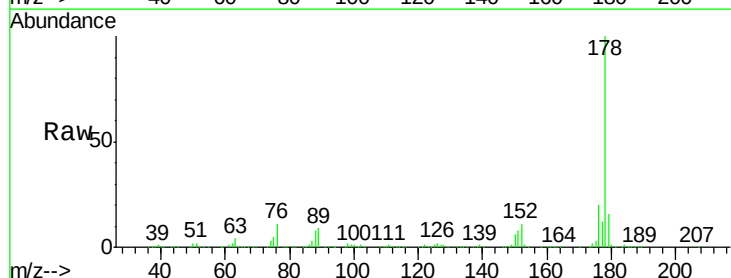
Manual Integrations
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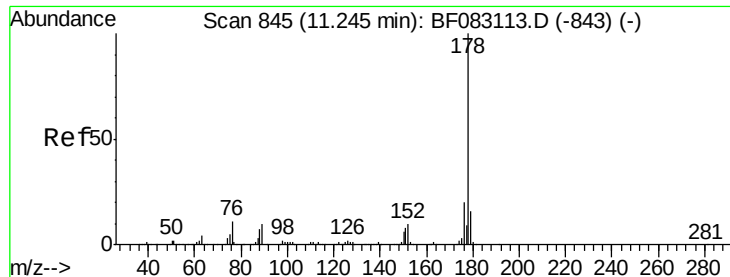
Mmdadoda
 11/23/2015 7:01:38 PM



#70
 Phenanthrene
 Concen: 34.86 ng
 RT: 11.19 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1424271		
176	20.0		16.2	24.2
179	16.4		12.8	19.2





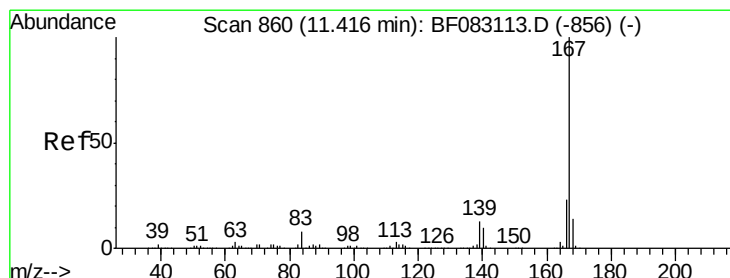
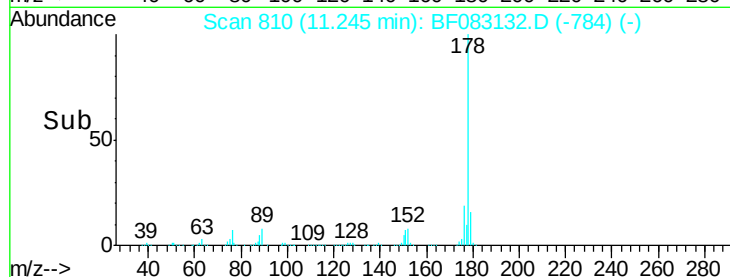
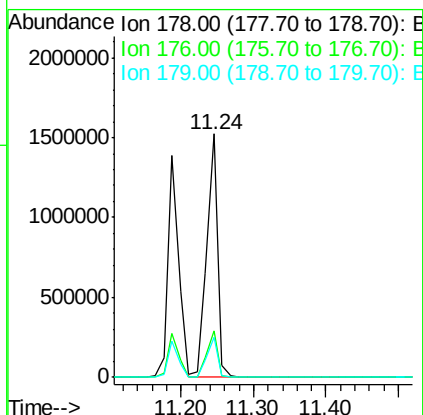
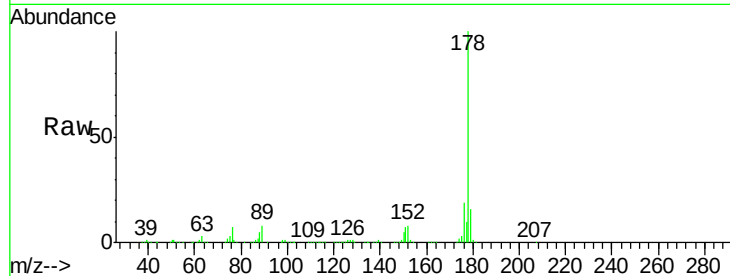
#71
 Anthracene
 Concen: 37.73 ng
 RT: 11.24 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion:178 Resp: 1572870
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.3 13.2 19.8

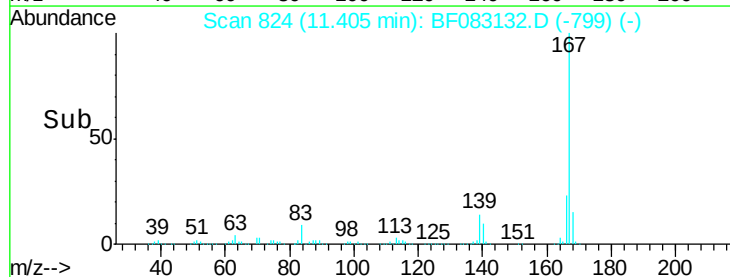
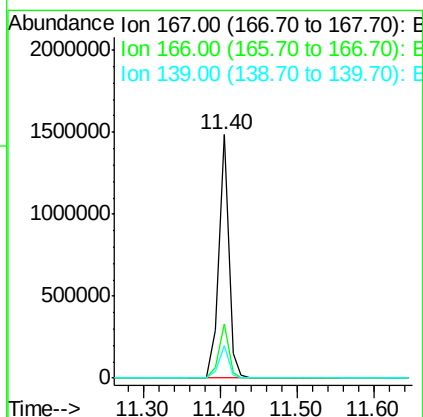
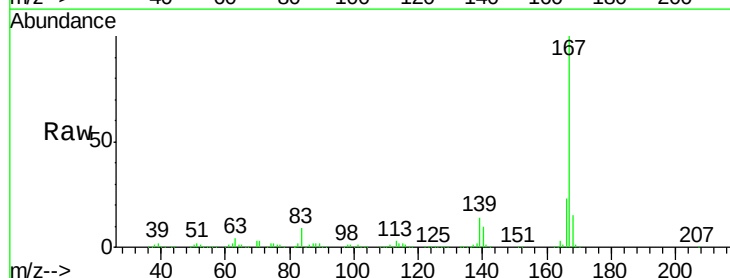
Manual Integrations
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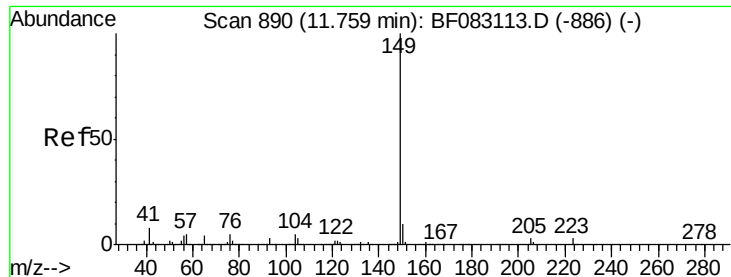
Mmdadoda
 11/23/2015 7:01:38 PM



#72
 Carbazole
 Concen: 36.42 ng
 RT: 11.40 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion:167 Resp: 1349393
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.0 27.0
 139 13.5 10.5 15.7





#73

Di-n-butylphthalate

Concen: 36.85 ng

RT: 11.75 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:149 Resp: 1666688

Ion Ratio Lower Upper

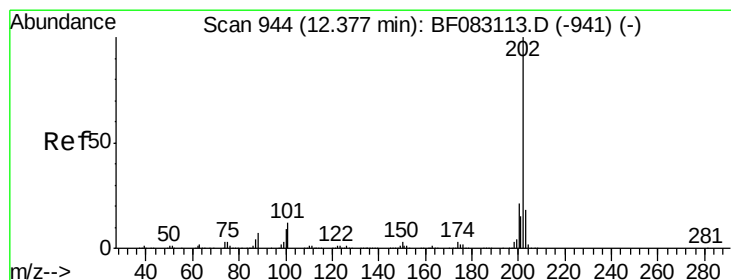
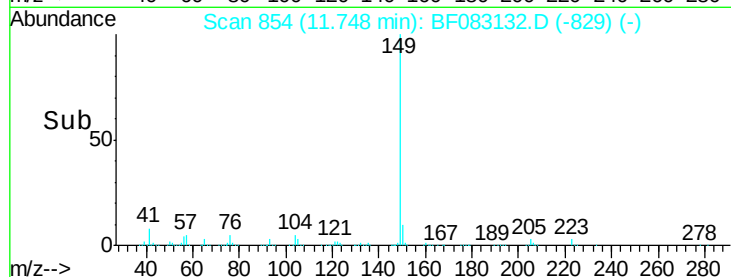
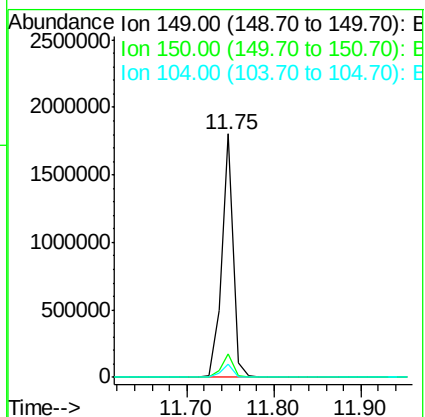
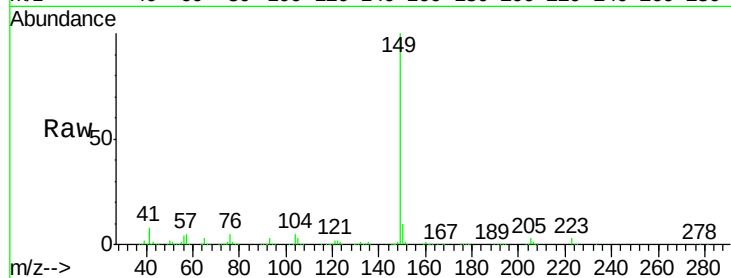
149 100

150 9.9 8.0 12.0

104 5.2 4.4 6.6

Manual Integrations
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11/23/2015 7:01:38 PM



#74

Fluoranthene

Concen: 37.14 ng

RT: 12.38 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

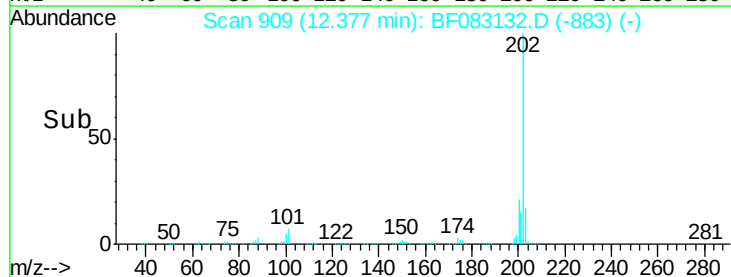
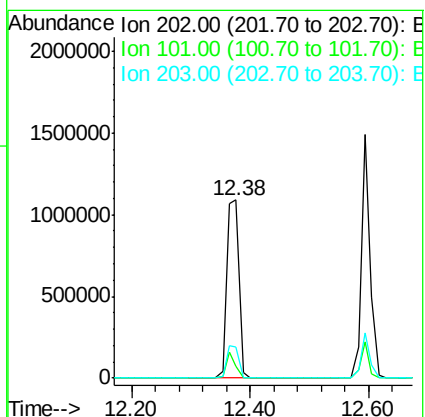
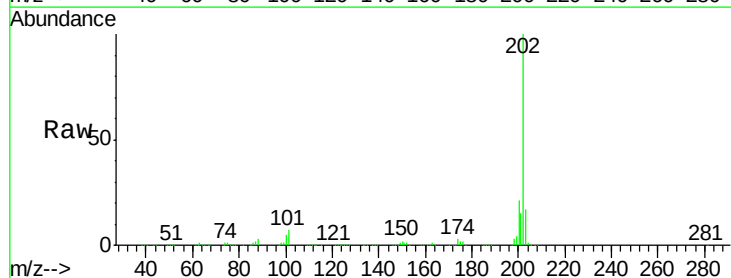
Tgt Ion:202 Resp: 1553216

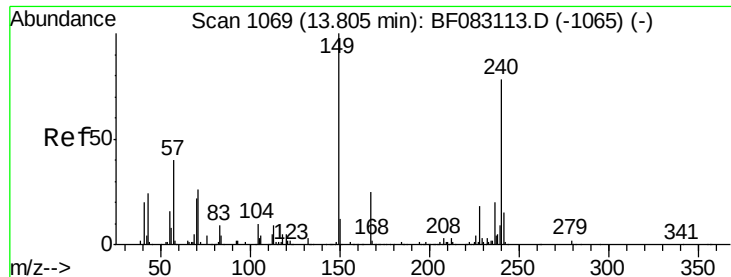
Ion Ratio Lower Upper

202 100

101 6.6 0.0 32.3

203 17.4 0.0 38.4





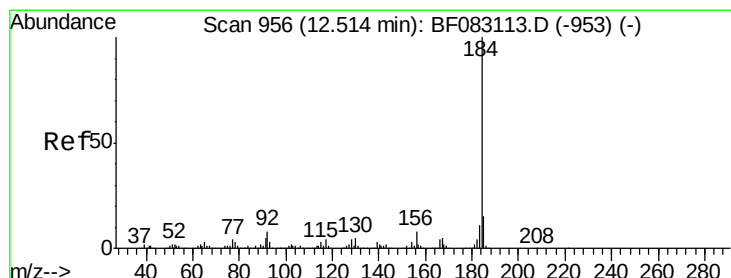
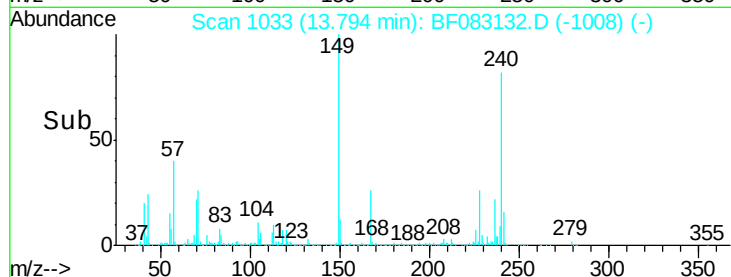
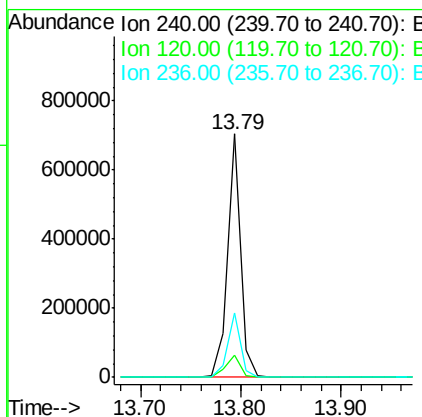
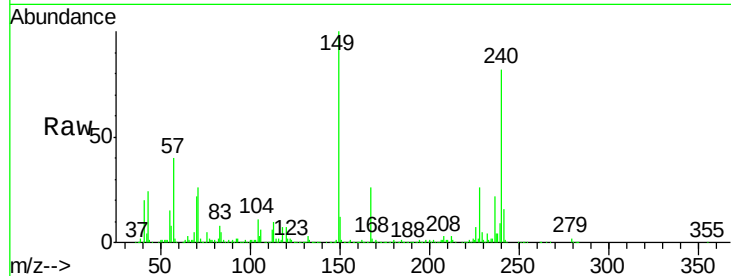
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion: 240 Resp: 633640
 Ion Ratio Lower Upper
 240 100
 120 9.1 5.4 8.2#
 236 26.5 20.6 31.0

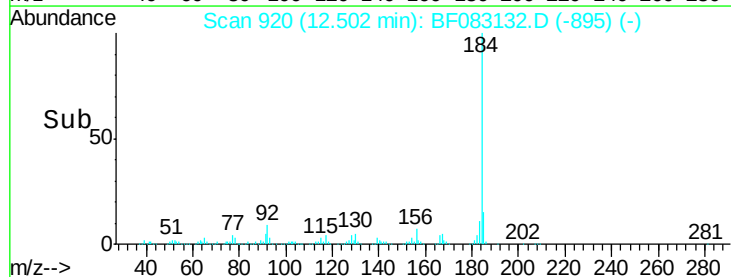
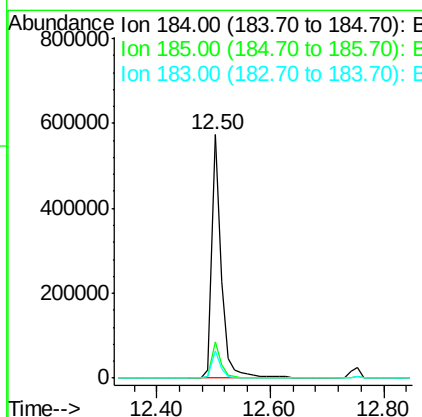
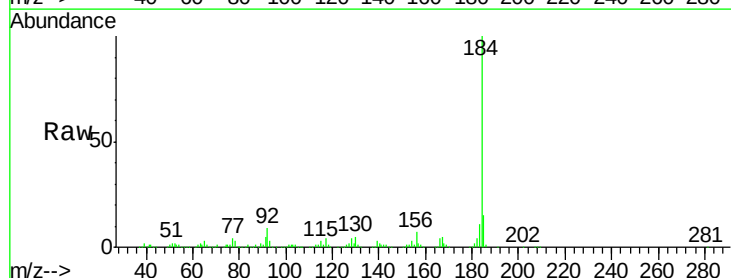
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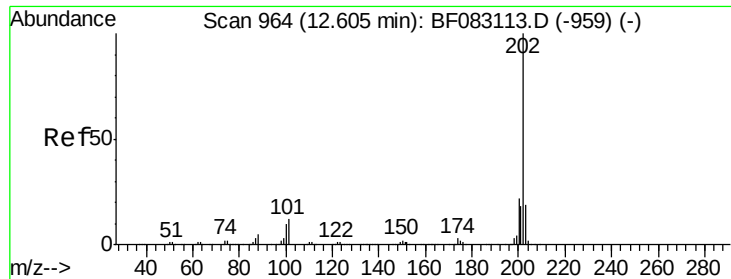
Mmdadoda
 11/23/2015 7:01:38 PM



#76
 Benzidine
 Concen: 39.08 ng
 RT: 12.50 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion: 184 Resp: 648975
 Ion Ratio Lower Upper
 184 100
 185 14.6 11.7 17.5
 183 11.4 8.8 13.2





#77

Pvrene

Concen: 34.85 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:202 Resp: 1508820

Ion Ratio Lower Upper

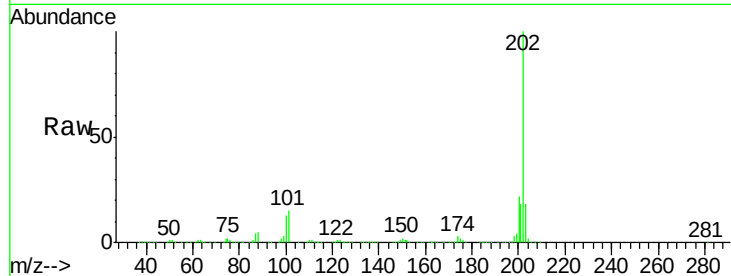
202 100

200 22.2 17.8 26.6

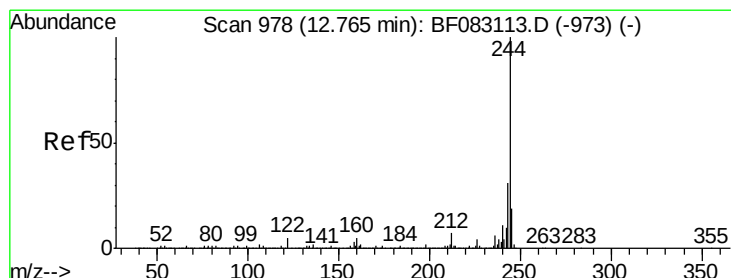
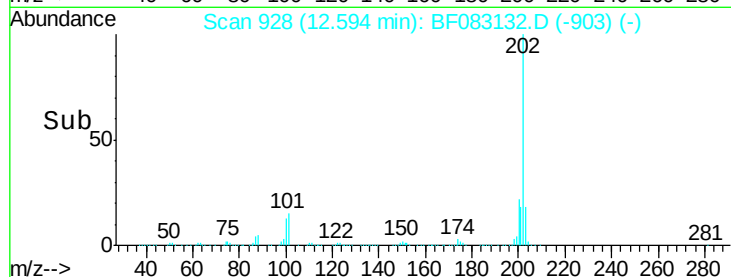
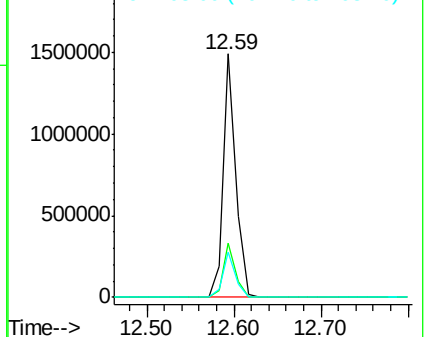
203 18.3 15.0 22.4

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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: 73.56 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

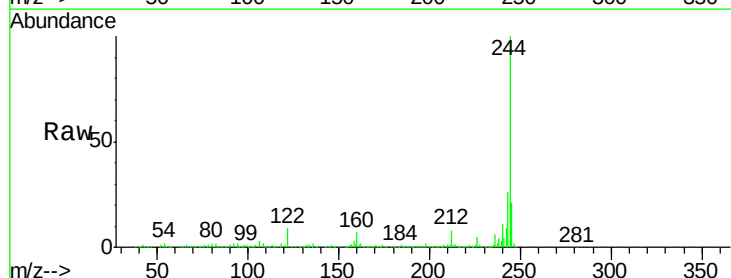
Tgt Ion:244 Resp: 1979368

Ion Ratio Lower Upper

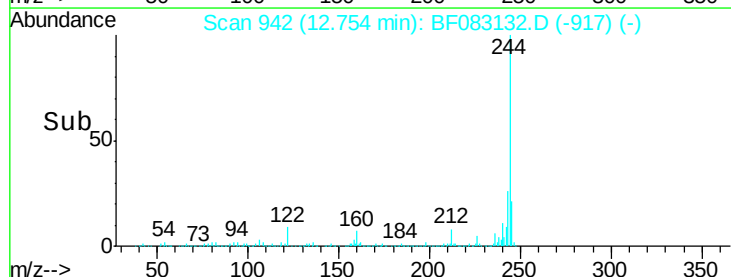
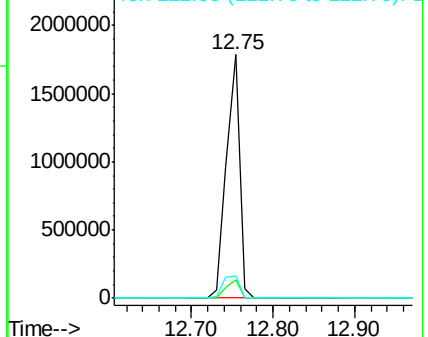
244 100

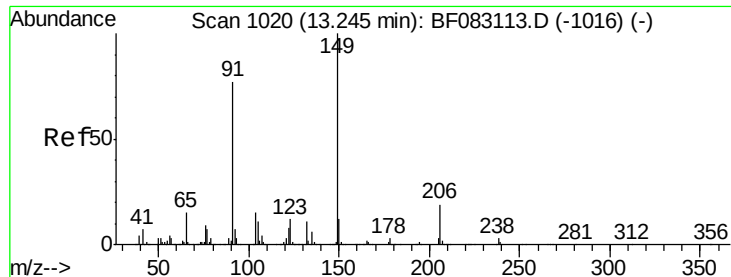
212 7.6 5.4 8.2

122 9.3 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





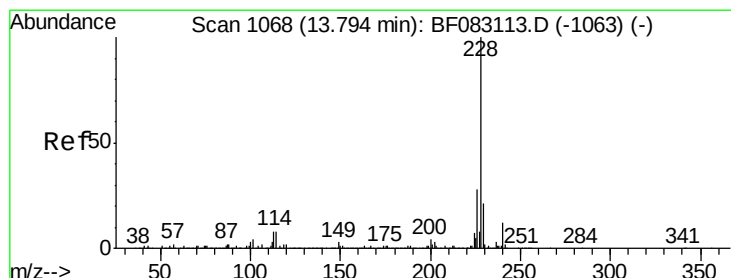
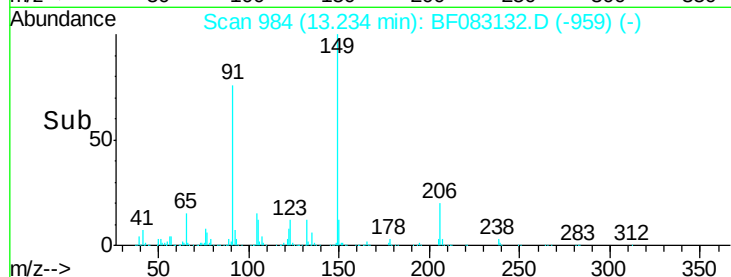
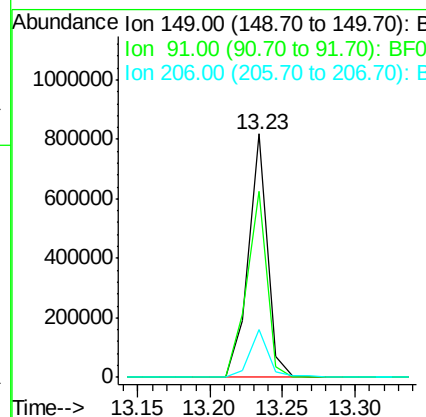
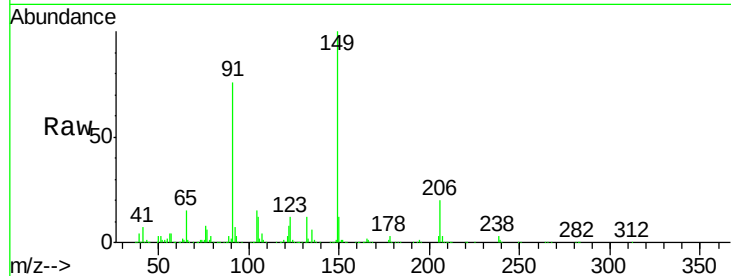
#79
Butylbenzylphthalate
Concen: 36.49 ng
RT: 13.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	76.3	61.5	92.3
206	19.8	15.3	22.9

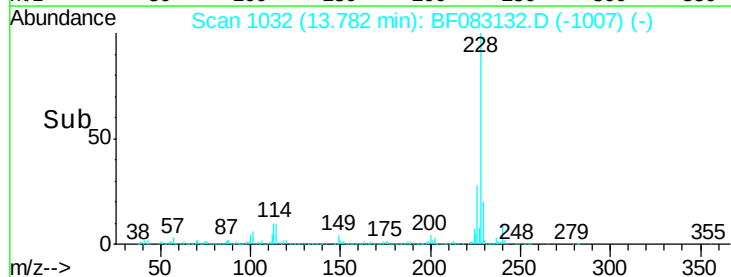
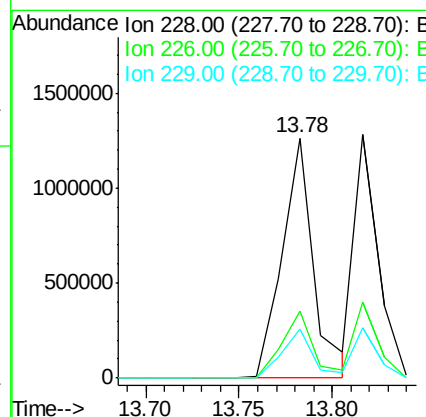
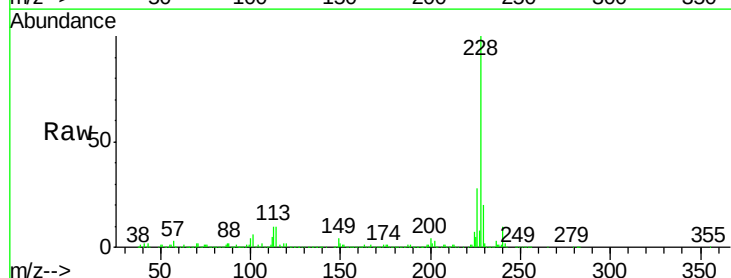
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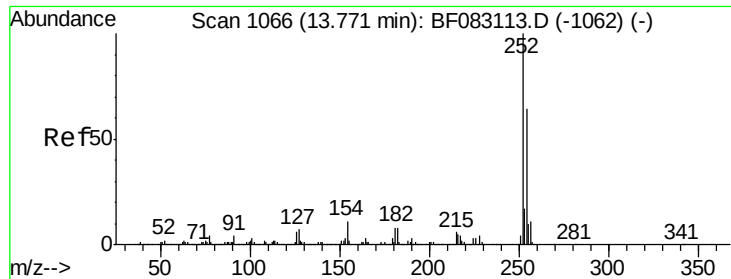
Mmdadoda
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#80
Benzo(a)anthracene
Concen: 37.81 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.4	16.6	24.8





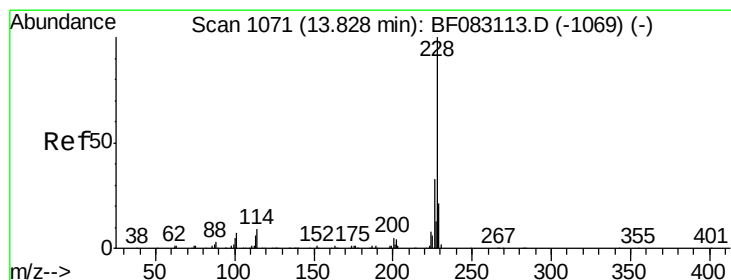
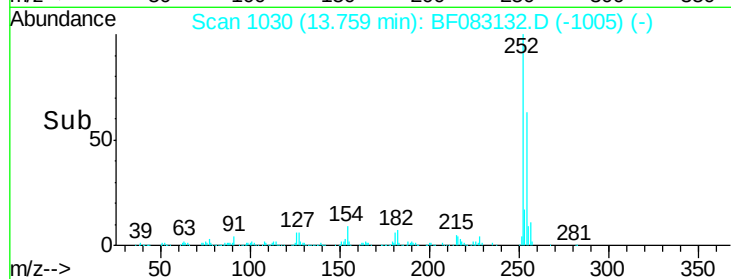
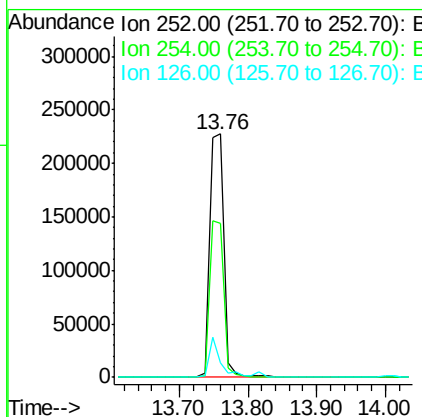
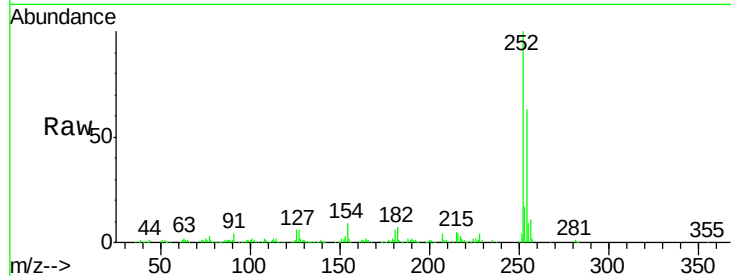
#81
 3,3'-Dichlorobenzidine
 Concen: 24.26 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	5.9	5.2	7.8

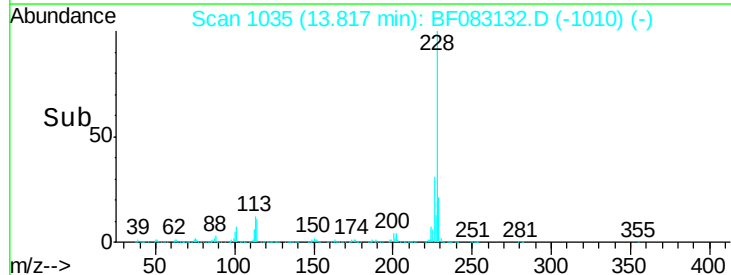
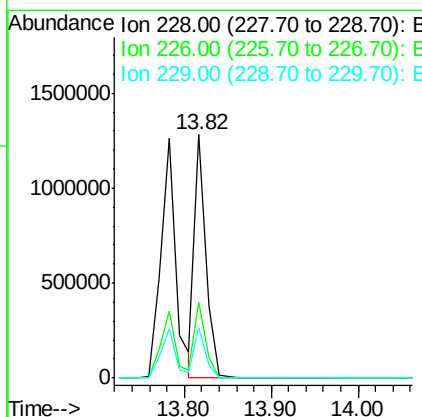
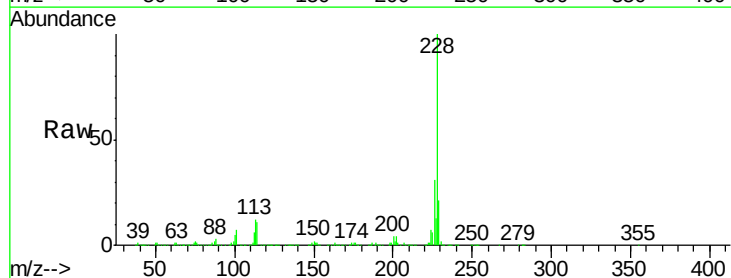
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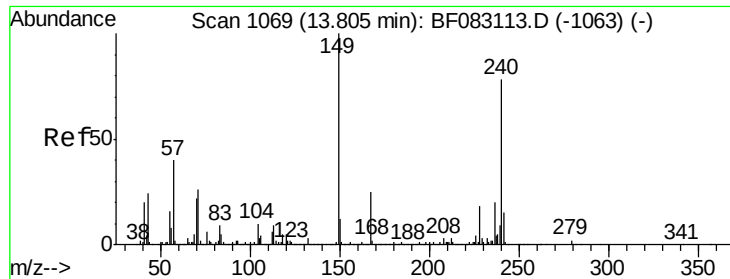
Mmdadoda
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#82
 Chrysene
 Concen: 31.99 ng
 RT: 13.82 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.5	38.3
229	20.6	16.6	25.0





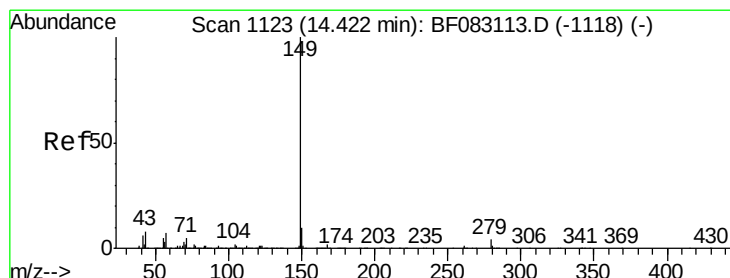
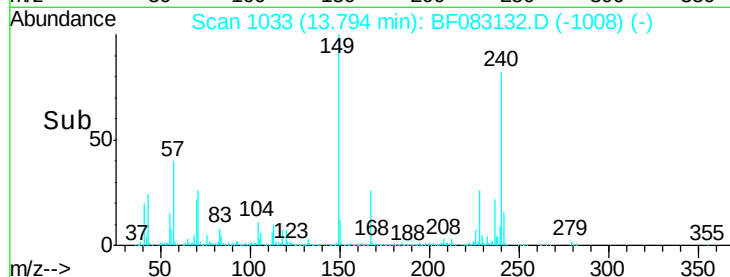
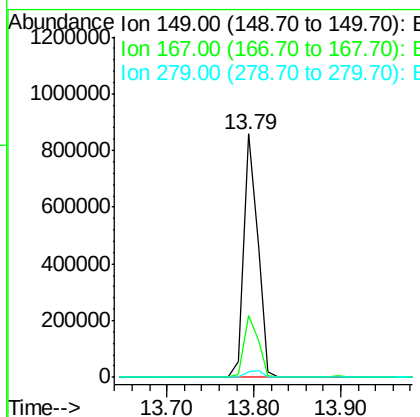
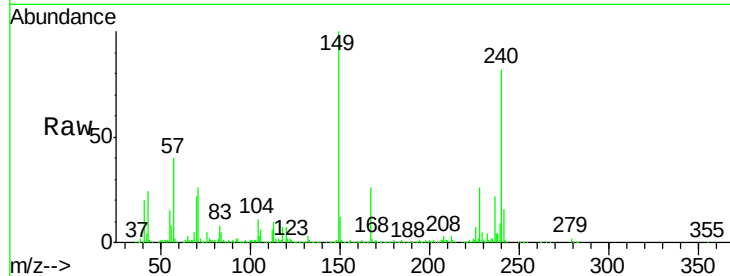
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 35.77 ng
 RT: 13.79 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	957166		
167	25.6	20.1	30.1	
279	2.3	1.7	2.5	

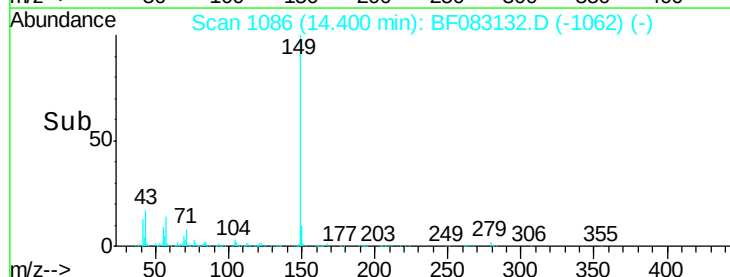
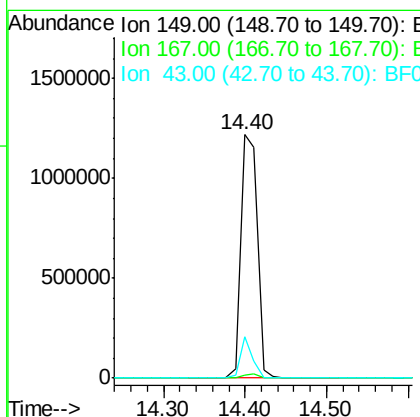
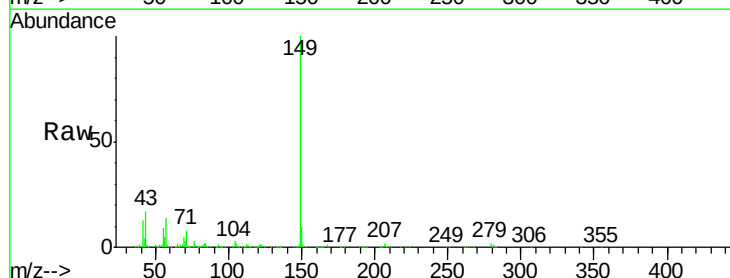
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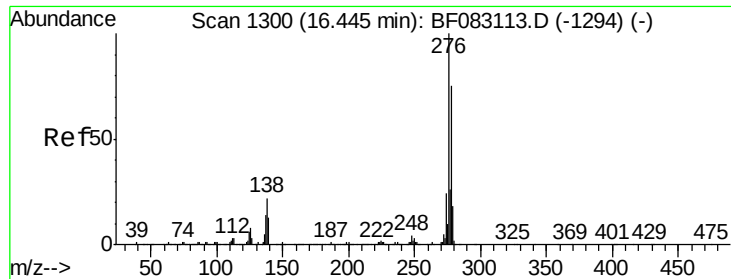
Mmdadoda
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#84
 Di-n-octyl phthalate
 Concen: 36.88 ng
 RT: 14.40 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1698825		
167	1.6	1.2	1.8	
43	12.4	9.5	14.3	





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.06 ng

RT: 16.42 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

PB86744BSD

Tot Ion:276 Resp: 1159092

Ion Ratio Lower Upper

276 100

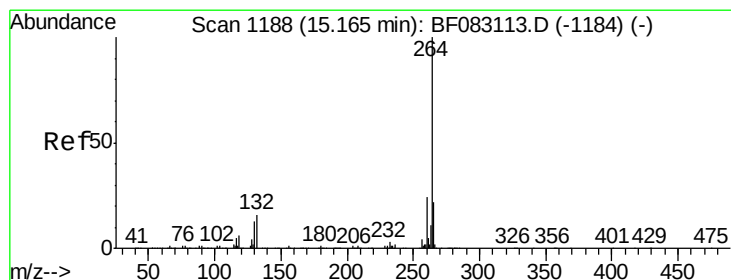
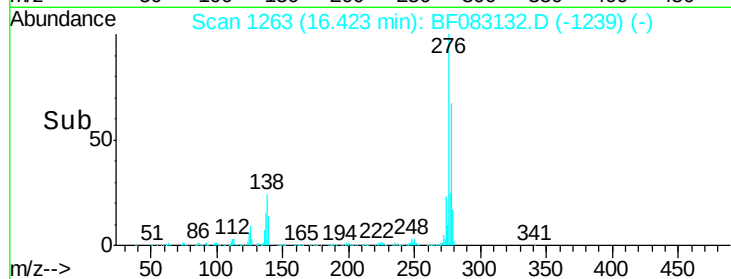
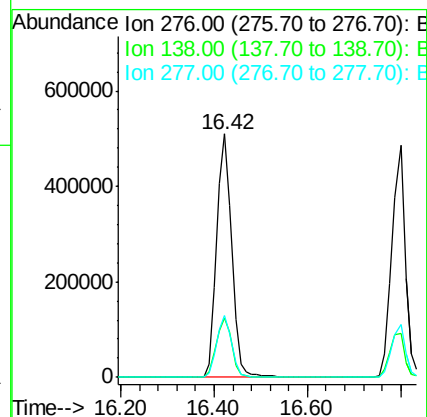
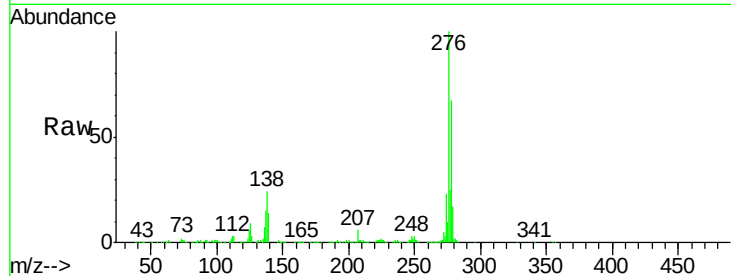
138 24.9 18.0 27.0

277 25.2 20.2 30.4

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083132.D

Acq: 22 Nov 2015 2:04

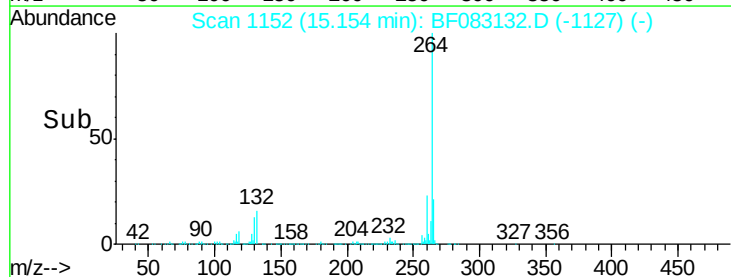
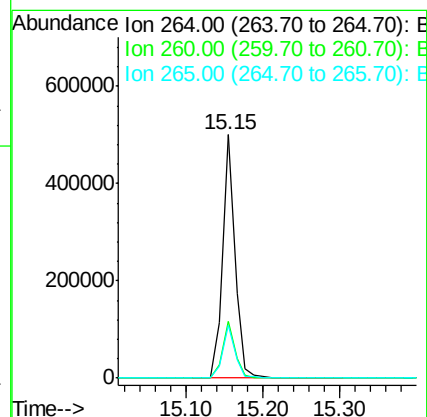
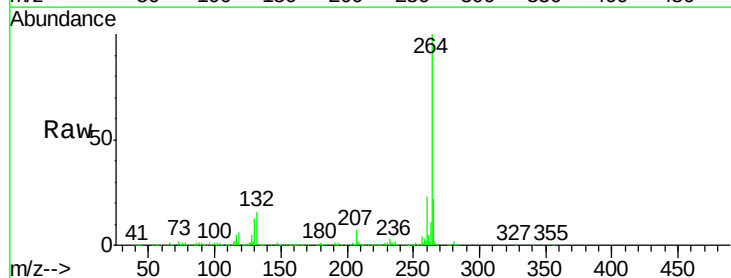
Tgt Ion:264 Resp: 568156

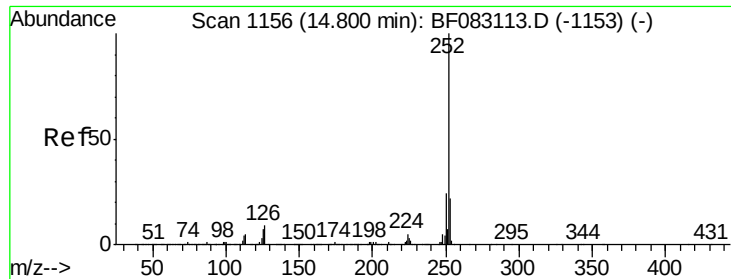
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.5 18.2 27.4





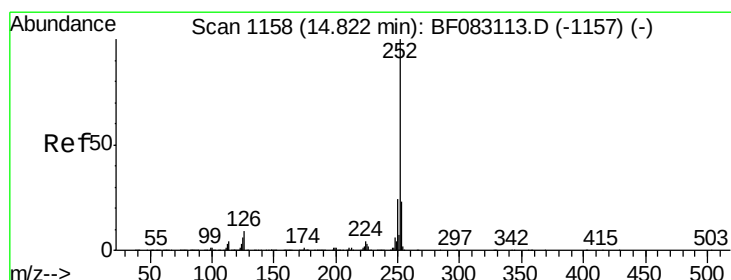
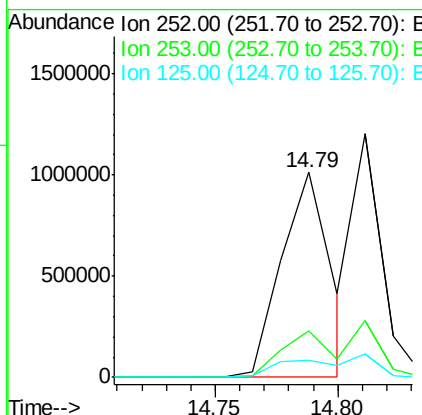
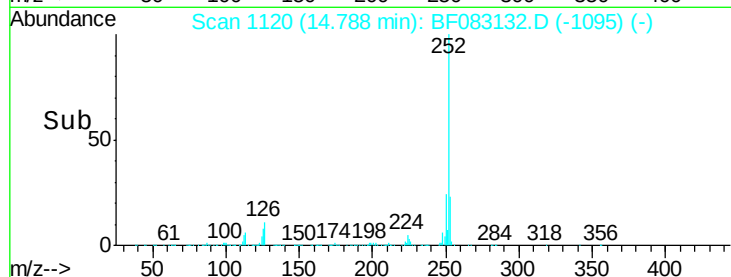
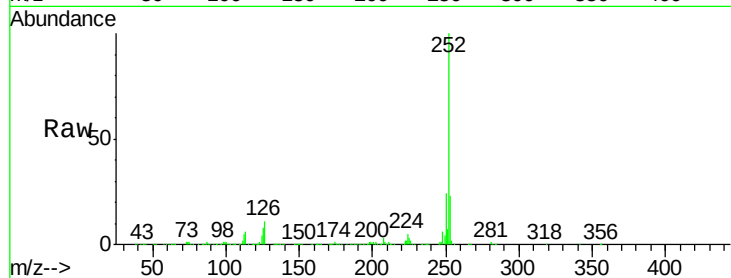
#87
Benzo(b)fluoranthene
Concen: 35.97 ng m
RT: 14.79 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	8.2	5.6	8.4

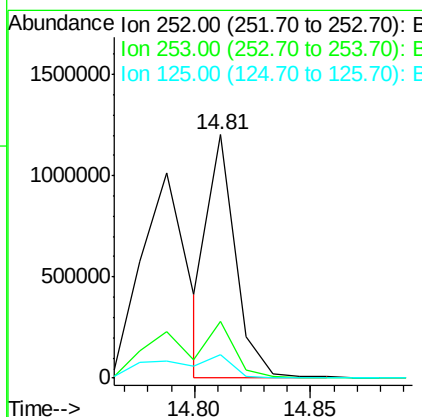
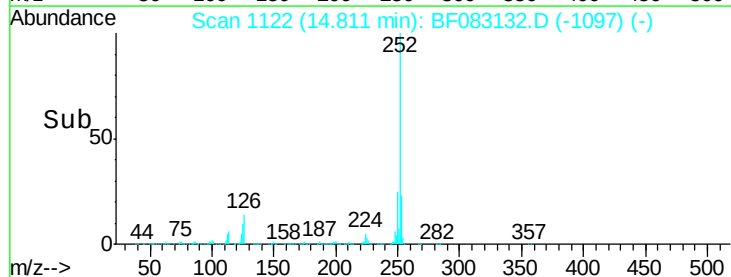
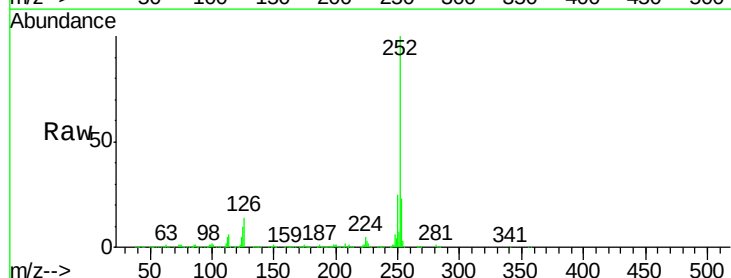
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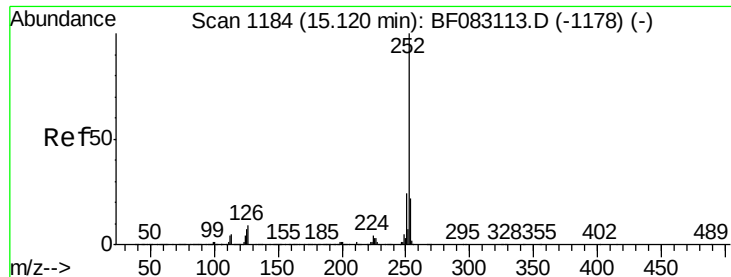
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#88
Benzo(k)fluoranthene
Concen: 34.34 ng m
RT: 14.81 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	9.7	6.8	10.2





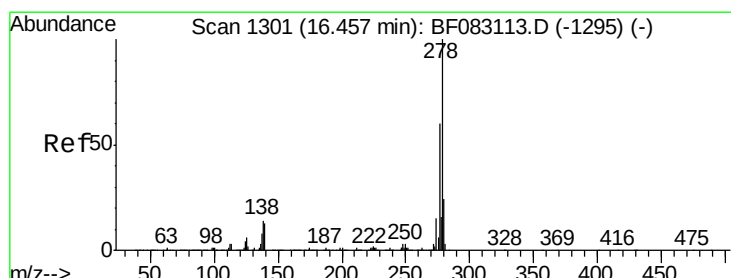
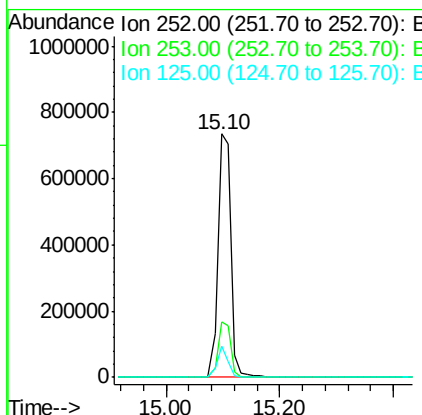
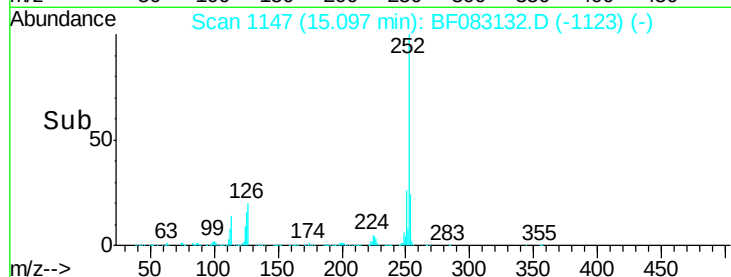
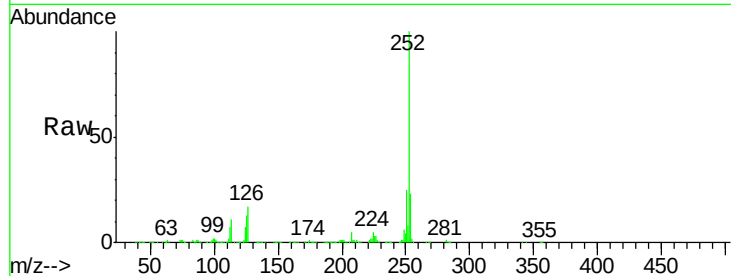
#89
Benzo(a)pyrene
Concen: 35.92 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Instrument :
BNA_F
ClientSampleId :
PB86744BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.6	5.4	8.0

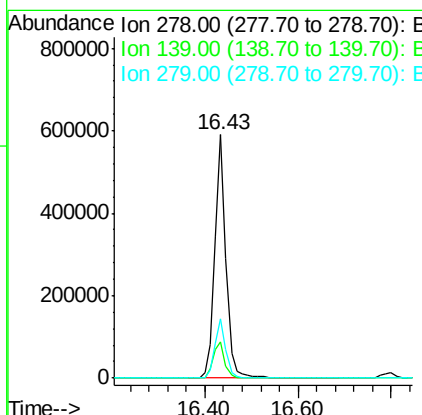
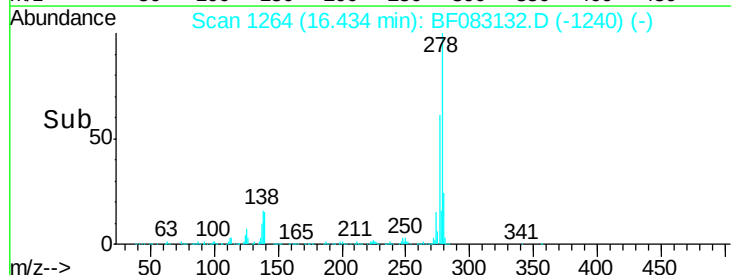
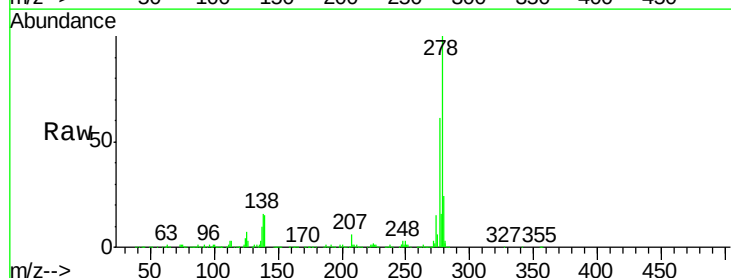
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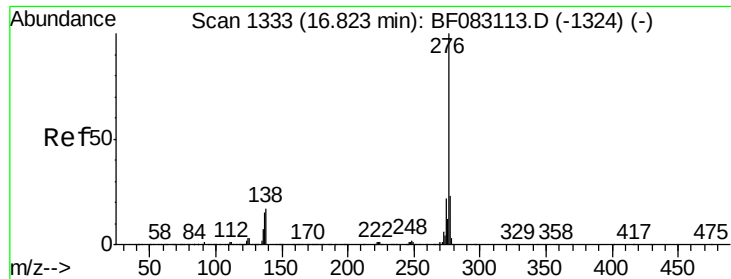
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#90
Dibenzo(a,h)anthracene
Concen: 33.90 ng
RT: 16.43 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF083132.D
Acq: 22 Nov 2015 2:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	10.7	16.1
279	24.3	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 34.12 ng
 RT: 16.80 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF083132.D
 Acq: 22 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86744BSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.0	18.7	28.1	
138	19.0	13.9	20.9	

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