

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
 Data File : BF083691.D
 Acq On : 10 Dec 2015 22:31
 Operator : UM/IZ
 Sample : G4617-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:01:42 PM

Quant Time: Dec 17 11:33:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 09:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	168428	20.00	ng	-0.09
21) Naphthalene-d8	7.50	136	671846	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	325509	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	565625	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	423658	20.00	ng	-0.08
86) Perylene-d12	18.57	264	350953	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	3.92	112	1679597	151.25	ng	-0.06
7) Phenol-d6	5.20	99	2184486	147.23	ng	-0.08
23) Nitrobenzene-d5	6.45	82	1425826	99.03	ng	-0.08
41) 2,4,6-Tribromophenol	11.60	330	405037	139.67	ng	-0.09
44) 2-Fluorobiphenyl	9.25	172	2075048	89.72	ng	-0.09
78) Terphenyl-d14	15.32	244	1767637	98.17	ng	-0.09

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.80	88	228611	41.67	ng	# 95
3) Pyridine	2.24	79	646623	48.51	ng	99
4) n-Nitrosodimethylamine	2.21	42	359462	51.22	ng	90
6) Aniline	5.18	93	383535	20.98	ng	90
8) 2-Chlorophenol	5.33	128	615467	50.68	ng	98
9) Benzaldehyde	5.02	77	225923	25.41	ng	97
10) Phenol	5.22	94	936086	52.09	ng	# 77
11) bis(2-Chloroethyl)ether	5.29	93	663640	50.19	ng	96
12) 1,3-Dichlorobenzene	5.53	146	647477	47.84	ng	99
13) 1,4-Dichlorobenzene	5.63	146	653714	47.08	ng	99
14) 1,2-Dichlorobenzene	5.85	146	619555	48.08	ng	99
15) Benzyl Alcohol	5.87	79	644689	61.07	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.04	45	1175523	48.08	ng	# 62
17) 2-Methylphenol	6.06	107	531935	53.84	ng	# 91
18) Hexachloroethane	6.32	117	223644	45.61	ng	91
19) n-Nitroso-di-n-propylamine	6.26	70	538130	51.96	ng	97
20) 3+4-Methylphenols	6.30	107	672952	51.72	ng	100
22) Acetophenone	6.24	105	882828	46.85	ng	# 99
24) Nitrobenzene	6.48	77	742447	46.65	ng	96
25) Isophorone	6.84	82	1349145	48.28	ng	98
26) 2-Nitrophenol	6.96	139	334963	53.01	ng	93
27) 2,4-Dimethylphenol	7.08	122	520209	47.06	ng	97
28) bis(2-Chloroethoxy)methane	7.20	93	814475	52.49	ng	99
29) 2,4-Dichlorophenol	7.36	162	533987	53.12	ng	95
30) 1,2,4-Trichlorobenzene	7.44	180	519654	46.80	ng	96
31) Naphthalene	7.54	128	1712661	48.13	ng	99
32) Benzoic acid	7.42	122	14811	5.00	ng	# 61
33) 4-Chloroaniline	7.70	127	200530	15.45	ng	94
34) Hexachlorobutadiene	7.74	225	302130	46.57	ng	99
35) Caprolactam	8.30	113	164728m	54.60	ng	
36) 4-Chloro-3-methylphenol	8.54	107	563209	49.87	ng	99
37) 2-Methylnaphthalene	8.64	142	1113127	49.80	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	496270	46.44	ng	# 100
40) Hexachlorocyclopentadiene	8.89	237	101077	54.30	ng	98

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Manual Integrations
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 12/11/2015 6:01:42 PM

Quant Time: Dec 17 11:33:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	319989	50.32	nq	97
43) 2,4,5-Trichlorophenol	9.23	196	316533	50.28	nq	# 88
45) 1,1'-Biphenyl	9.40	154	1284801	45.41	nq	100
46) 2-Chloronaphthalene	9.41	162	1008608	47.22	nq	95
47) 2-Nitroaniline	9.64	65	418864	54.37	nq	91
48) Acenaphthylene	10.06	152	1577848	44.80	nq	99
49) Dimethylphthalate	9.96	163	1638204	63.22	nq	99
50) 2,6-Dinitrotoluene	10.05	165	265844	49.69	nq	91
51) Acenaphthene	10.35	154	936970	46.47	nq	100
52) 3-Nitroaniline	10.33	138	150920	26.54	nq	92
53) 2,4-Dinitrophenol	10.57	184	49868	23.12	nq	91
54) Dibenzofuran	10.64	168	1414980	50.60	nq	96
55) 4-Nitrophenol	10.74	139	268776	107.37	nq	90
56) 2,4-Dinitrotoluene	10.72	165	371662	52.38	nq	# 81
57) Fluorene	11.18	166	1115812	45.72	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.89	232	284991	56.03	nq	# 100
59) Diethylphthalate	11.10	149	1151839	45.72	nq	98
60) 4-Chlorophenyl-phenylether	11.21	204	525048	45.19	nq	97
61) 4-Nitroaniline	11.33	138	250840	48.56	nq	91
62) Azobenzene	11.47	77	1445482	52.13	nq	97
64) 4,6-Dinitro-2-methylphenol	11.39	198	149166	39.08	nq	81
65) n-Nitrosodiphenylamine	11.42	169	976769	52.32	nq	99
66) 4-Bromophenyl-phenylether	12.00	248	297953	47.23	nq	99
67) Hexachlorobenzene	12.08	284	326550	48.79	nq	# 91
68) Atrazine	12.35	200	311713	56.12	nq	99
69) Pentachlorophenol	12.44	266	194015	103.55	nq	98
70) Phenanthrene	12.73	178	1567799	48.24	nq	99
71) Anthracene	12.82	178	1602788	47.61	nq	99
72) Carbazole	13.12	167	1469122	50.89	nq	98
73) Di-n-butylphthalate	13.75	149	1749943	48.20	nq	99
74) Fluoranthene	14.66	202	1562553	47.00	nq	99
76) Benzidine	14.95	184	329078	24.97	nq	96
77) Pyrene	15.01	202	1557969	51.08	nq	98
79) Butylbenzylphthalate	16.15	149	703690	51.98	nq	93
80) Benzo(a)anthracene	16.90	228	1148511	46.32	nq	99
81) 3,3'-Dichlorobenzidine	16.89	252	216275	25.82	nq	99
82) Chrysene	16.95	228	1120492	45.07	nq	100
83) Bis(2-ethylhexyl)phthalate	17.01	149	957481	50.96	nq	100
84) Di-n-octyl phthalate	17.78	149	1477624	51.46	nq	# 100
85) Indeno(1,2,3-cd)pyrene	19.76	276	1006214	59.97	nq	# 100
87) Benzo(b)fluoranthene	18.18	252	1120654m	56.07	nq	
88) Benzo(k)fluoranthene	18.21	252	775060m	35.20	nq	
89) Benzo(a)pyrene	18.51	252	889223	45.60	nq	# 96
90) Dibenzo(a,h)anthracene	19.76	278	872352	58.51	nq	99
91) Benzo(g,h,i)perylene	20.11	276	857494	58.98	nq	97

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

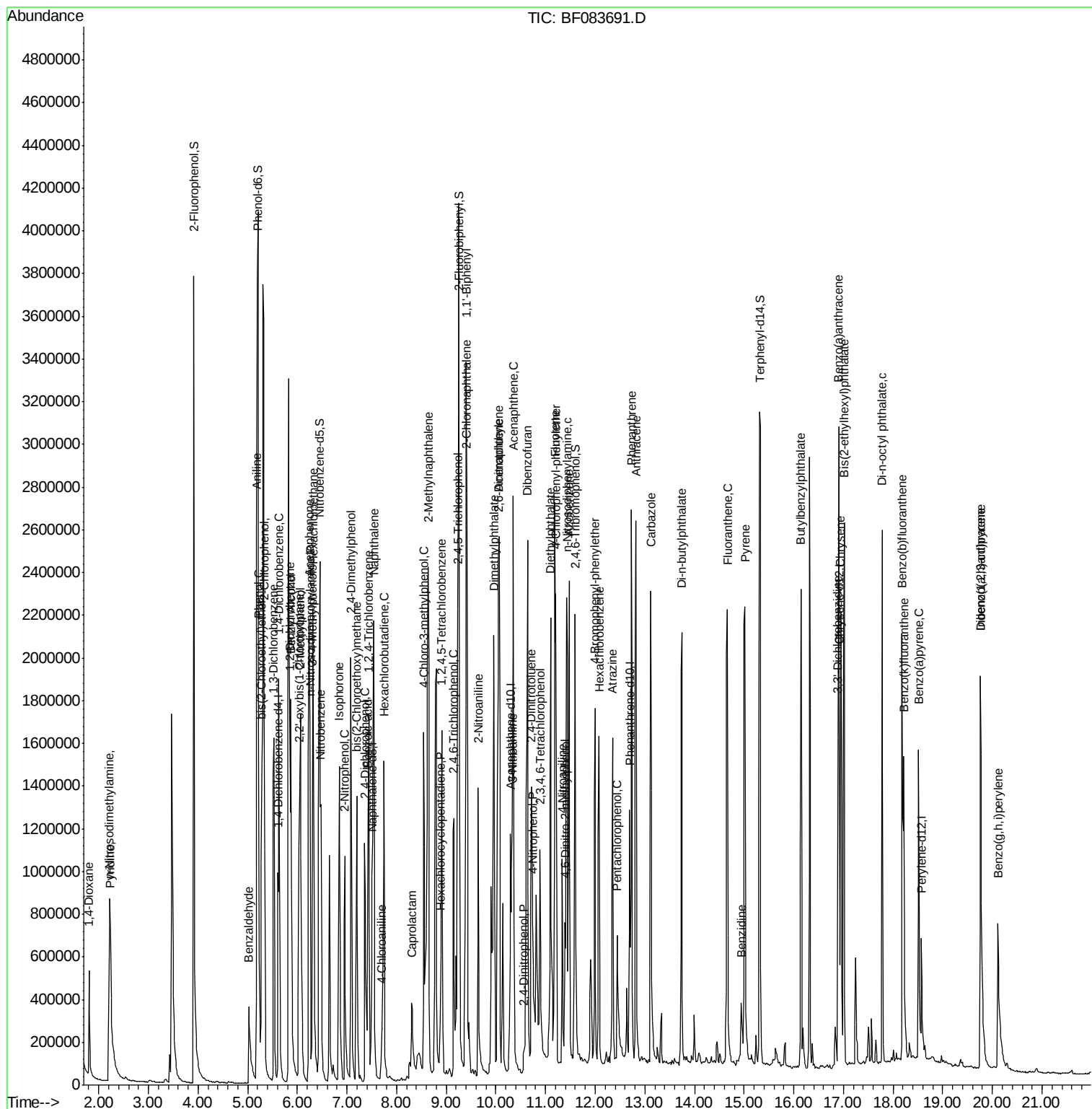
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
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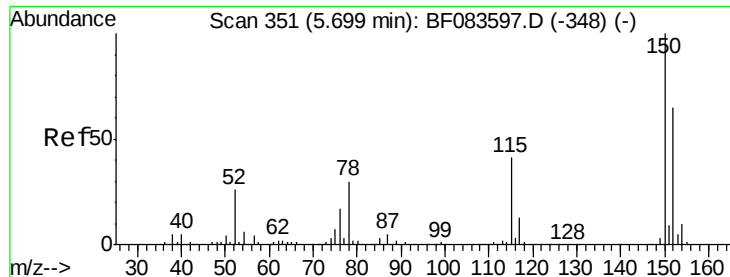
Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

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#1

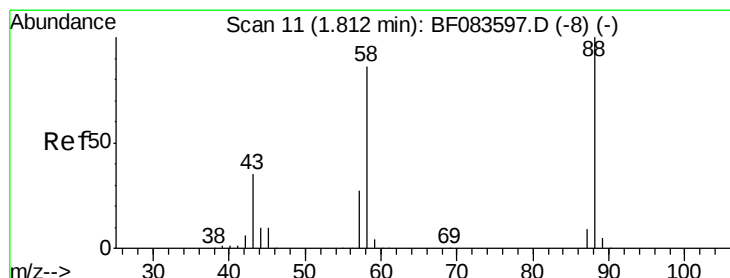
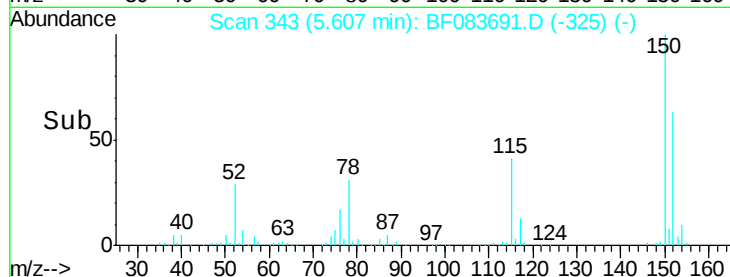
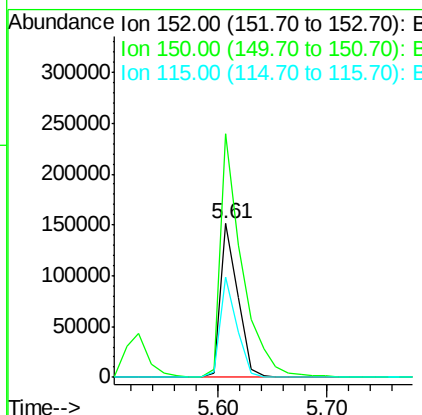
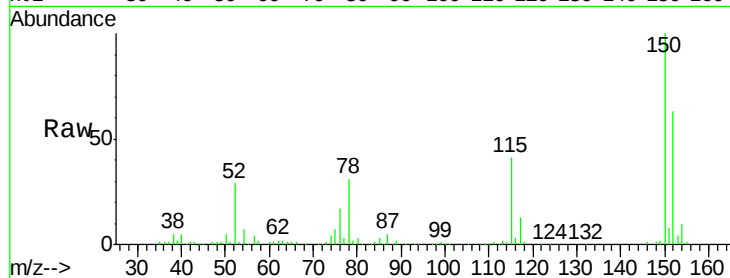
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.61 min Scan# 343
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.5	189.7
115	65.4	52.3	78.5

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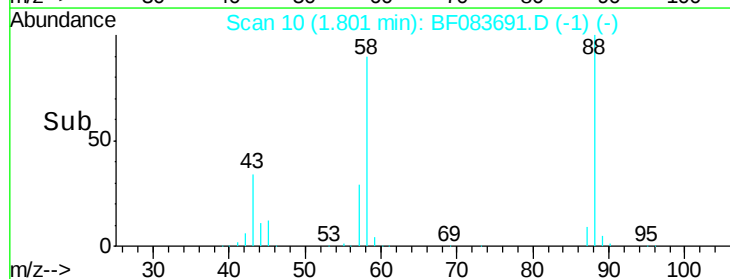
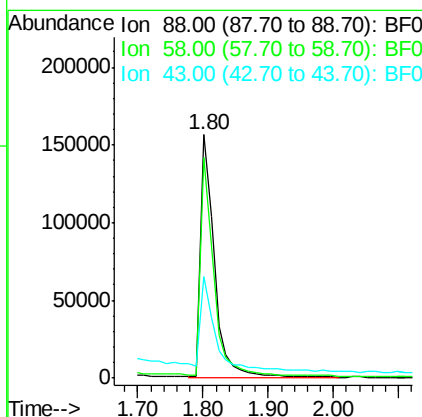
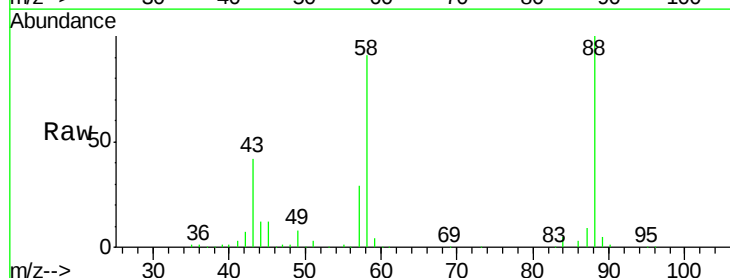
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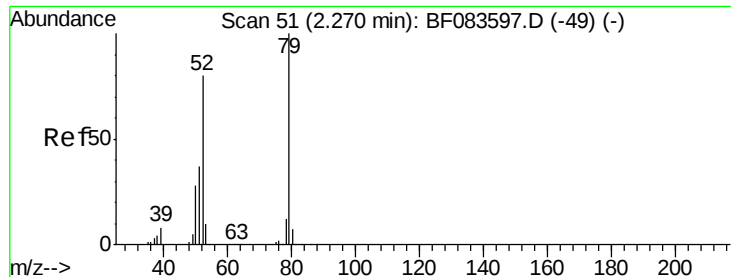


#2

1,4-Dioxane
Concen: 41.67 ng
RT: 1.80 min Scan# 10
Delta R.T. -0.01 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.6	68.0	102.0
43	43.2	27.9	41.9#





#3

Pvridine

Concen: 48.51 ng

RT: 2.24 min Scan# 48

Delta R.T. -0.03 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

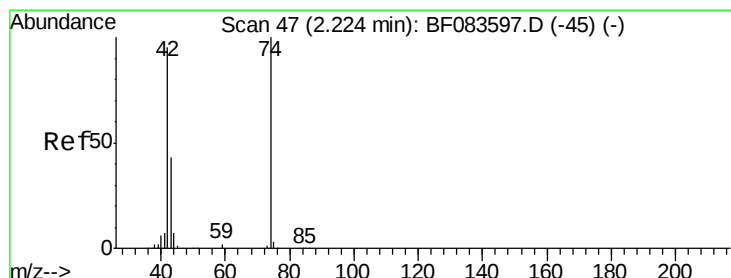
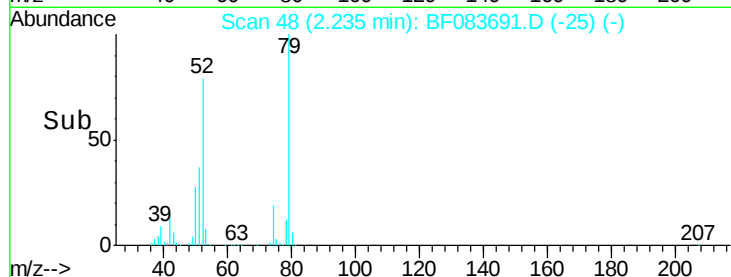
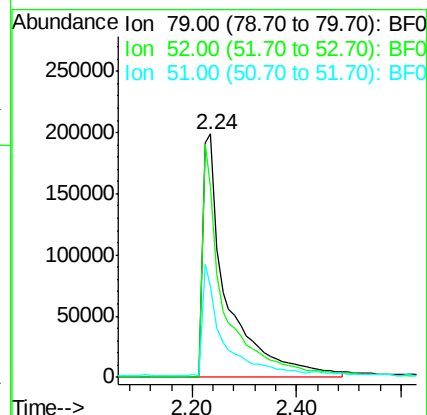
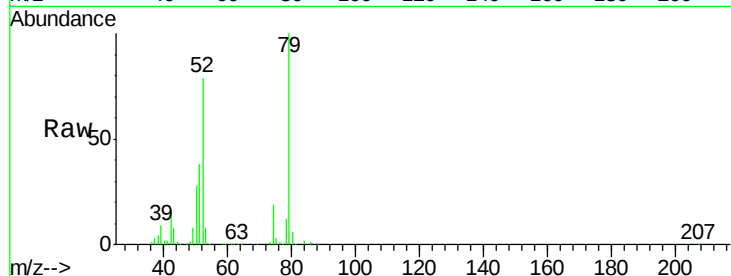
ClientSampleId :

SB-04MSD

Tot Ion:	79	Resp:	646623
Ion Ratio	Lower	Upper	
79	100		
52	78.6	63.7	95.5
51	37.7	30.6	45.8

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#4

n-Nitrosodimethylamine

Concen: 51.22 ng

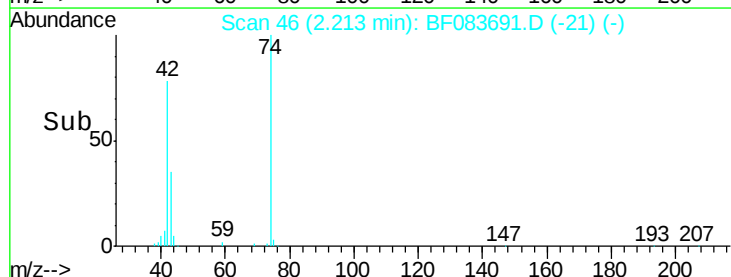
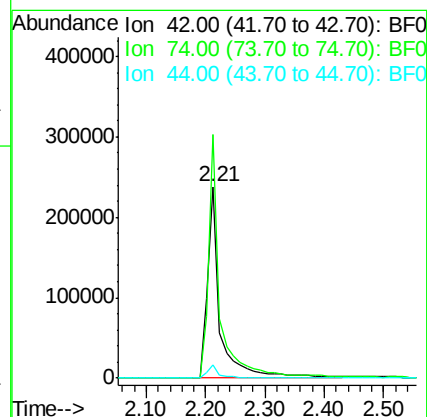
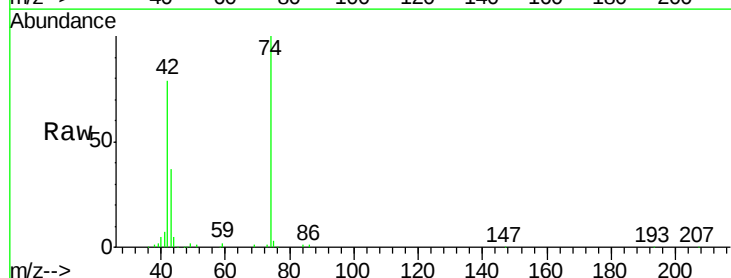
RT: 2.21 min Scan# 46

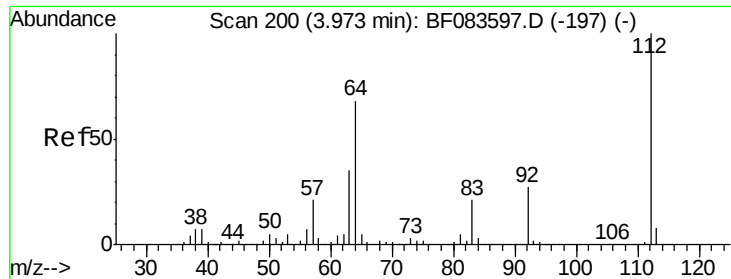
Delta R.T. -0.01 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion:	42	Resp:	359462
Ion Ratio	Lower	Upper	
42	100		
74	127.2	92.9	139.3
44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 151.25 ng

RT: 3.92 min Scan# 195

Delta R.T. -0.06 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

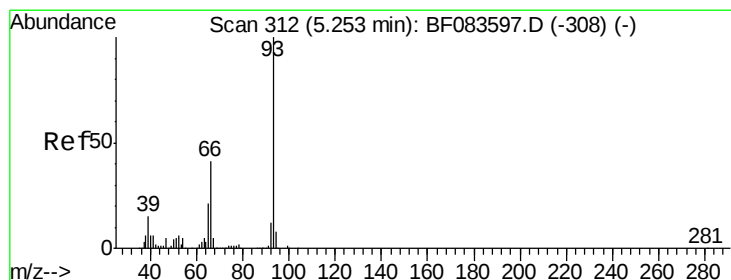
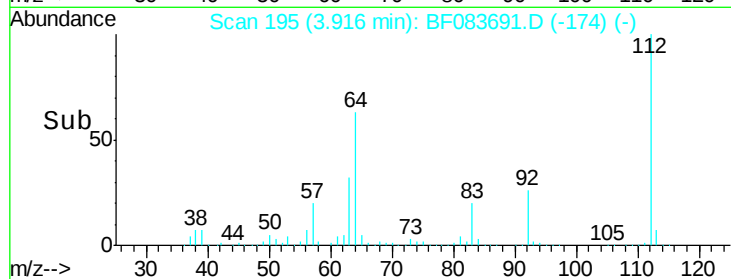
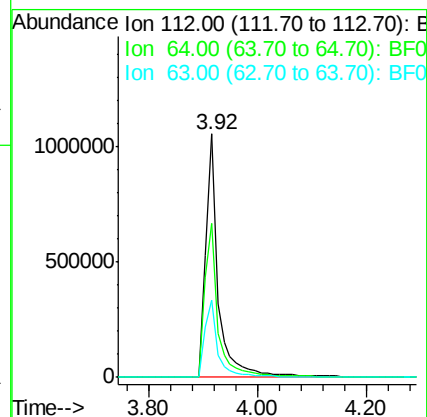
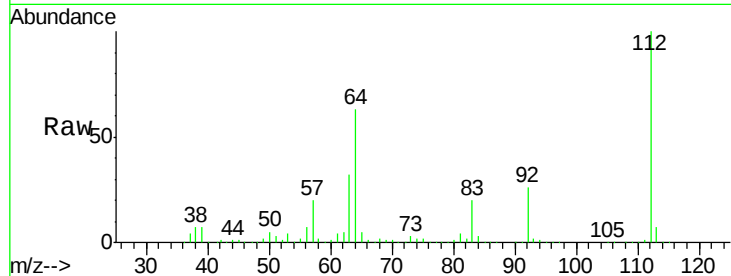
ClientSampleId :

SB-04MSD

Tot Ion:	112	Resp:	1679597
Ion Ratio	Lower	Upper	
112	100		
64	63.0	50.5	75.7
63	31.9	25.8	38.6

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#6

Aniline

Concen: 20.98 ng

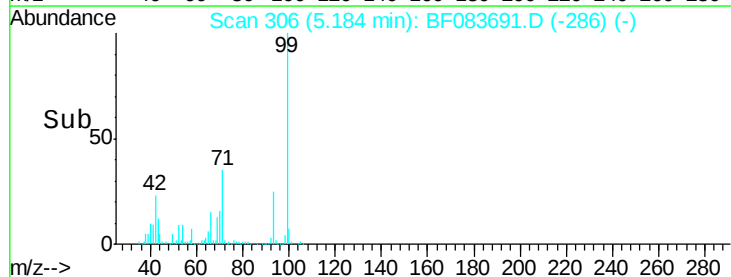
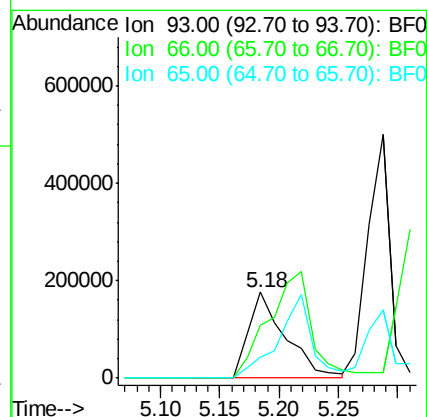
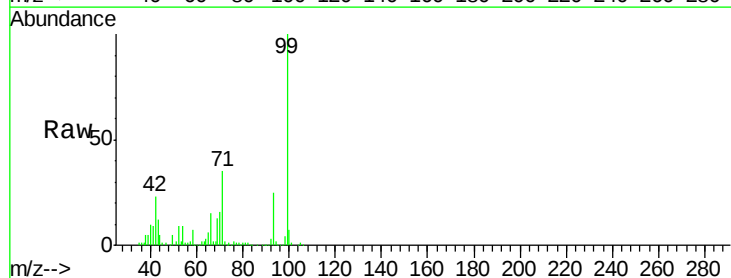
RT: 5.18 min Scan# 306

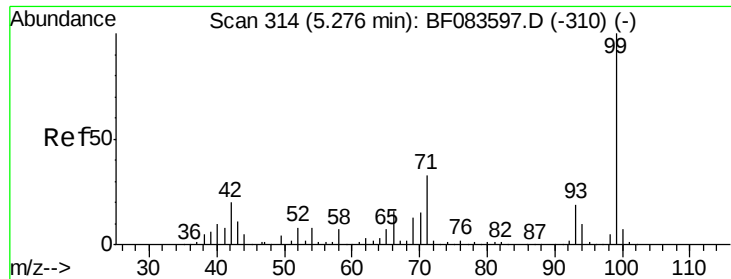
Delta R.T. -0.07 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion:	93	Resp:	383535
Ion Ratio	Lower	Upper	
93	100		
66	61.2	41.3	61.9
65	25.0	20.8	31.2





#7

Phenol-d6

Concen: 147.23 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion: 99 Resp: 2184486

Ion Ratio Lower Upper

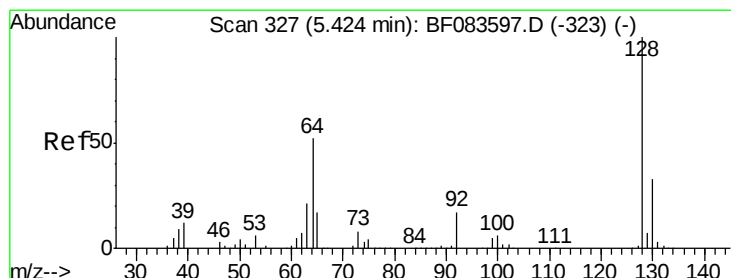
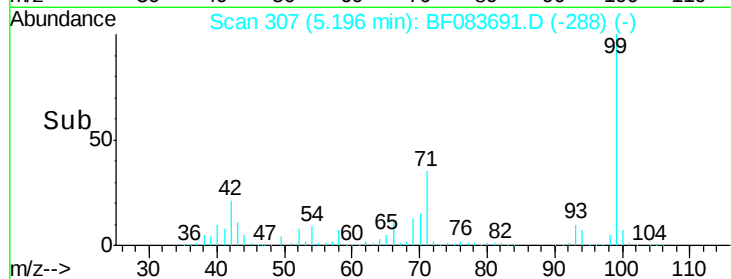
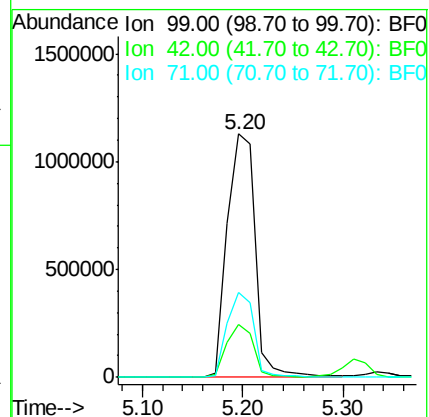
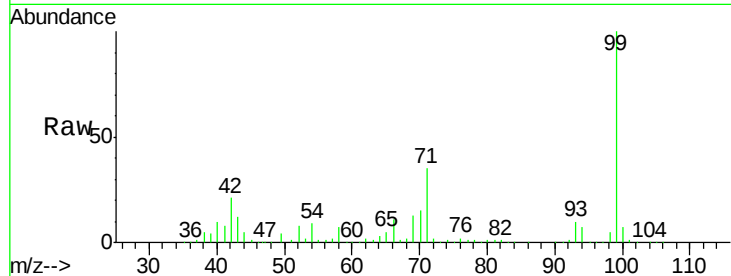
99 100

42 21.5 17.3 25.9

71 34.7 26.6 40.0

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#8

2-Chlorophenol

Concen: 50.68 ng

RT: 5.33 min Scan# 319

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

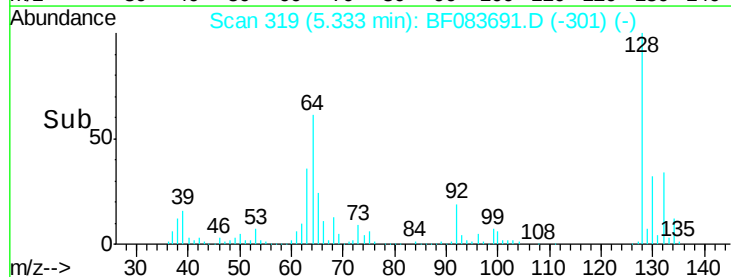
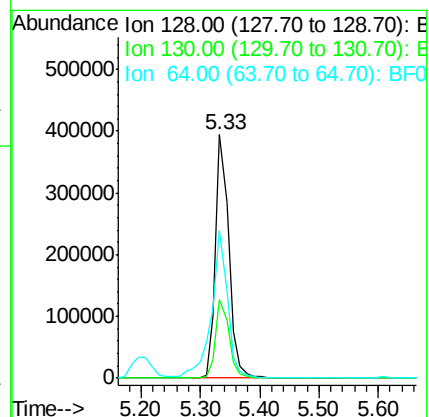
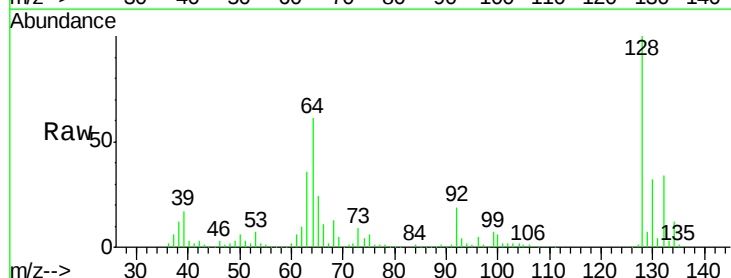
Tgt Ion: 128 Resp: 615467

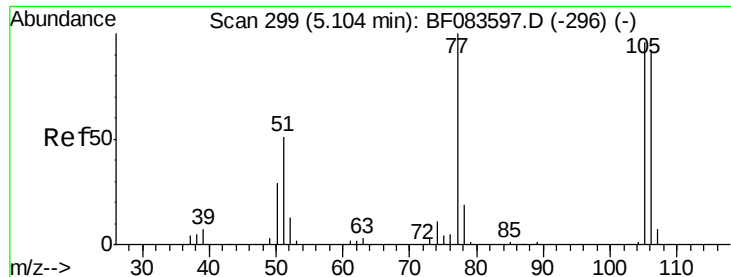
Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

64 60.8 38.6 78.6





#9

Benzaldehyde

Concen: 25.41 ng

RT: 5.02 min Scan# 292

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion: 77 Resp: 225923

Ion Ratio Lower Upper

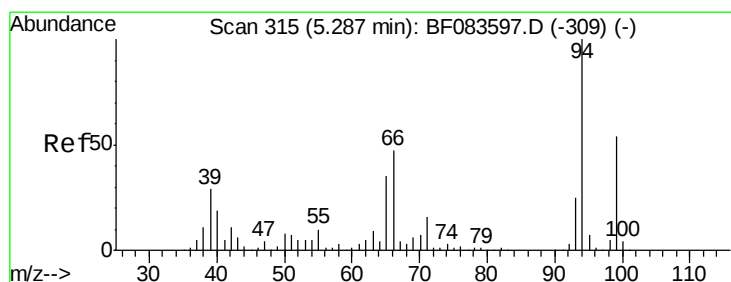
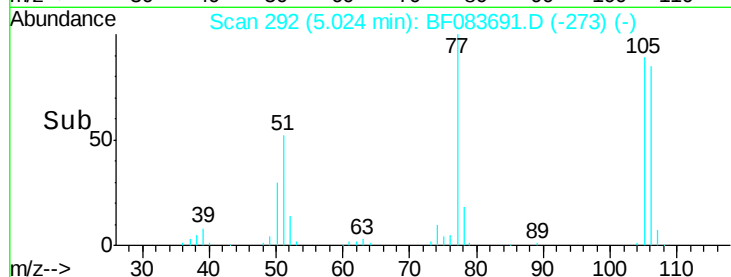
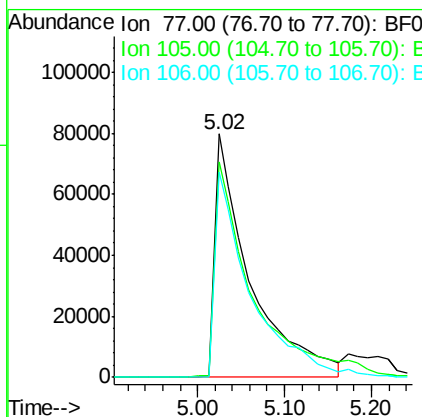
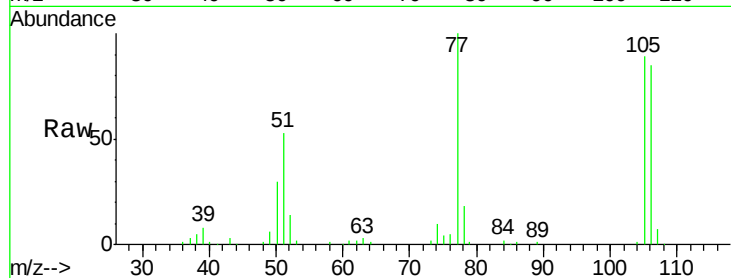
77 100

105 88.7 71.8 111.8

106 84.5 66.8 106.8

Manual Integrations
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#10

Phenol

Concen: 52.09 ng

RT: 5.22 min Scan# 309

Delta R.T. -0.07 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

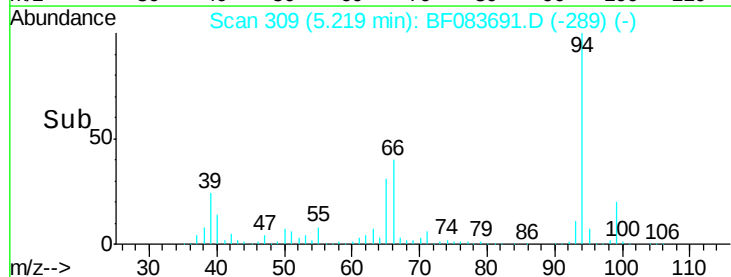
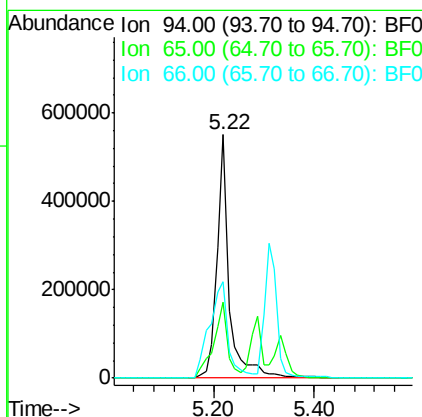
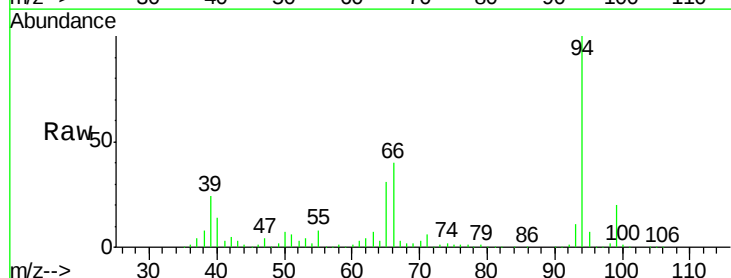
Tgt Ion: 94 Resp: 936086

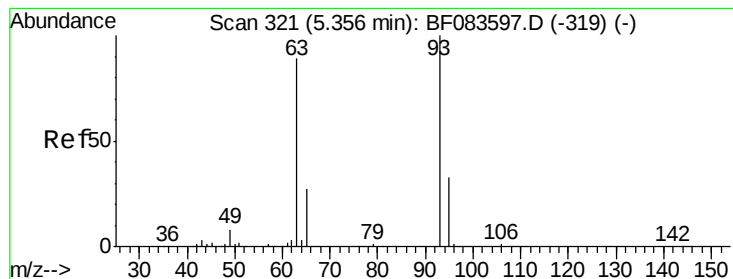
Ion Ratio Lower Upper

94 100

65 31.2 20.9 60.9

66 39.8 41.6 81.6#





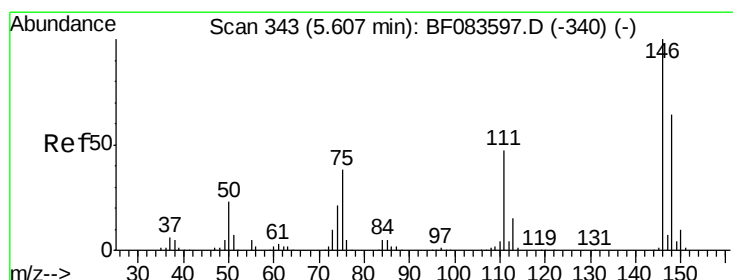
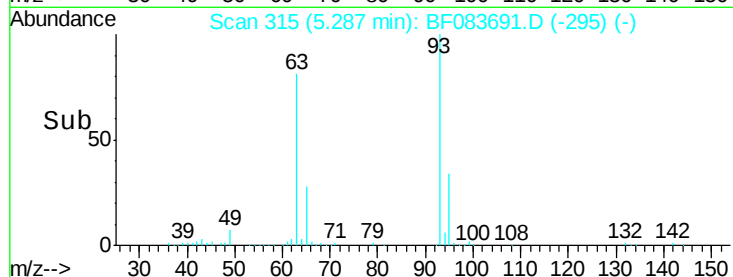
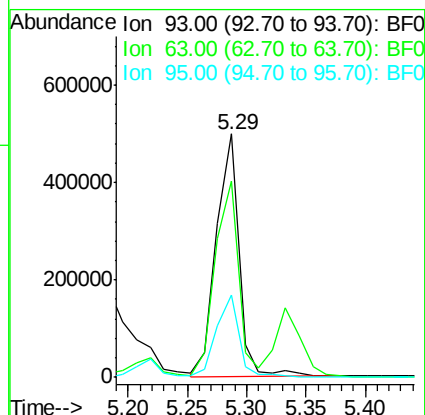
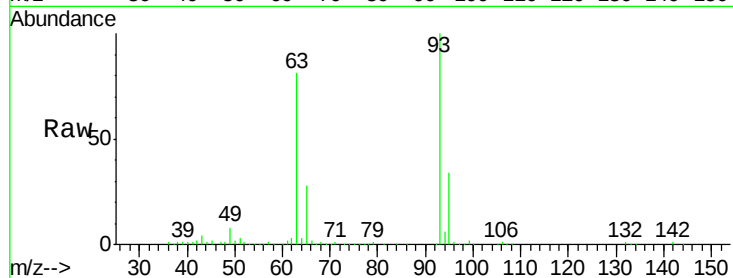
#11
bis(2-Chloroethyl)ether
Concen: 50.19 ng
RT: 5.29 min Scan# 315
Delta R.T. -0.07 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.8	64.7	104.7
95	34.0	12.7	52.7

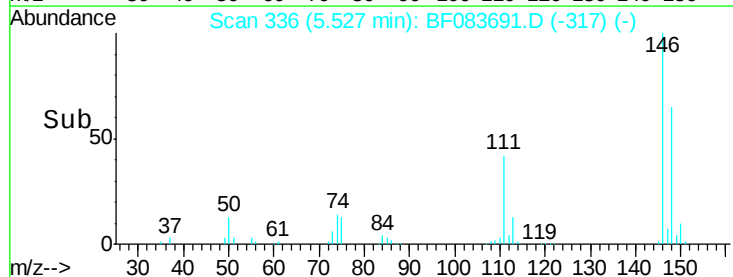
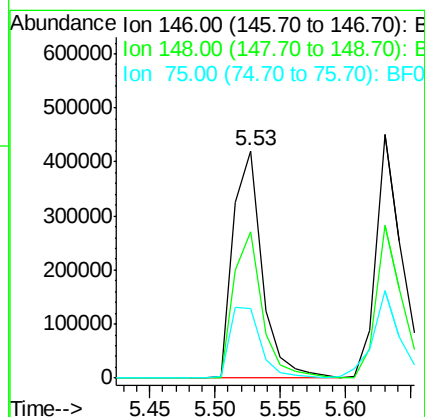
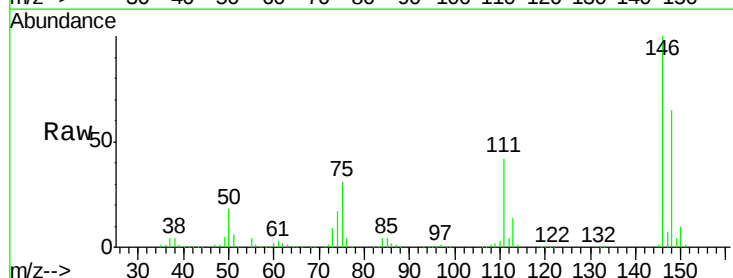
Manual Integrations
APPROVED

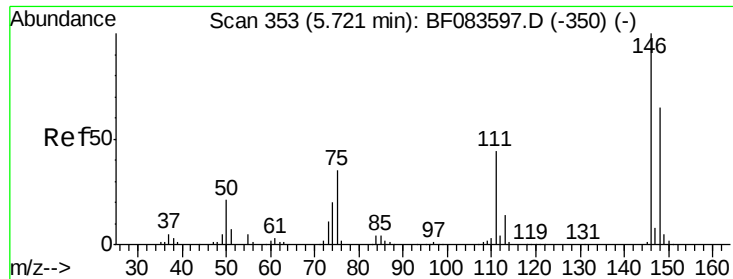
MMdadoda
12/11/2015 6:01:42 PM



#12
1,3-Dichlorobenzene
Concen: 47.84 ng
RT: 5.53 min Scan# 336
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	30.7	24.1	36.1





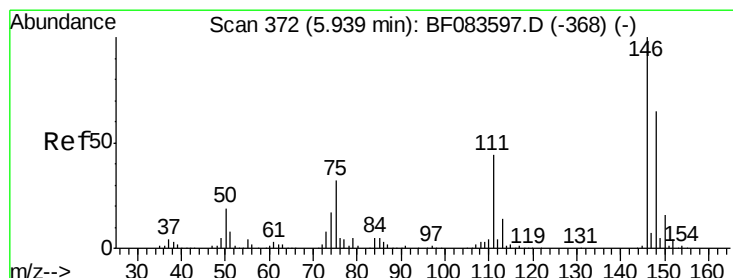
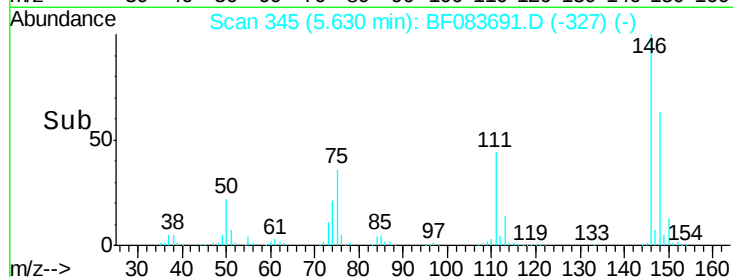
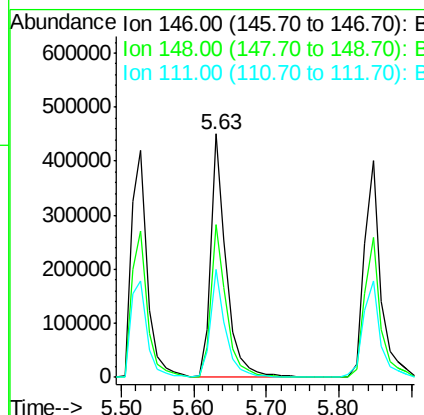
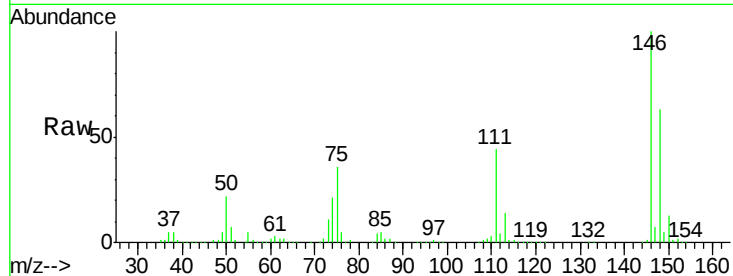
#13
1,4-Dichlorobenzene
Concen: 47.08 ng
RT: 5.63 min Scan# 345
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	44.2	36.1	54.1

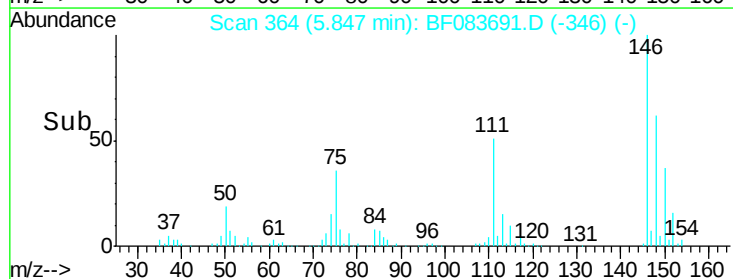
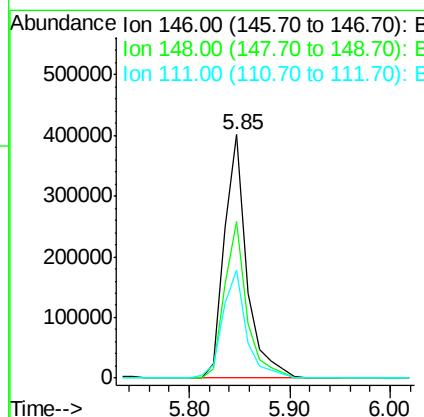
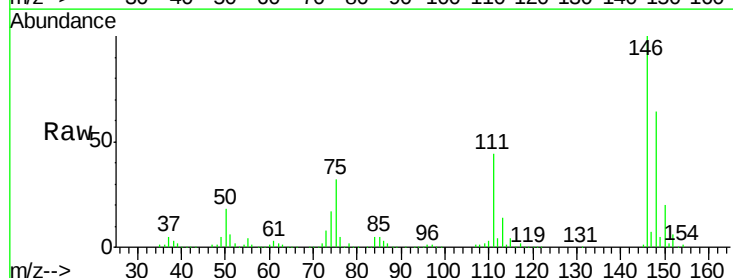
Manual Integrations
APPROVED

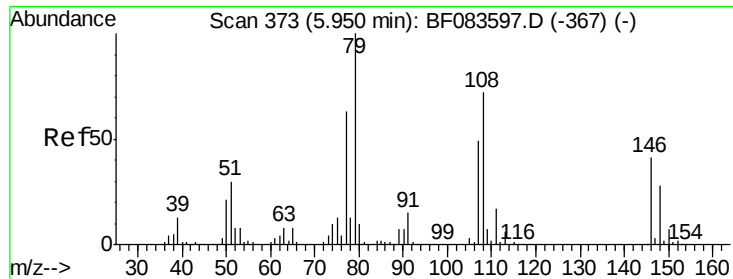
MMdadoda
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#14
1,2-Dichlorobenzene
Concen: 48.08 ng
RT: 5.85 min Scan# 364
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	44.5	36.7	55.1





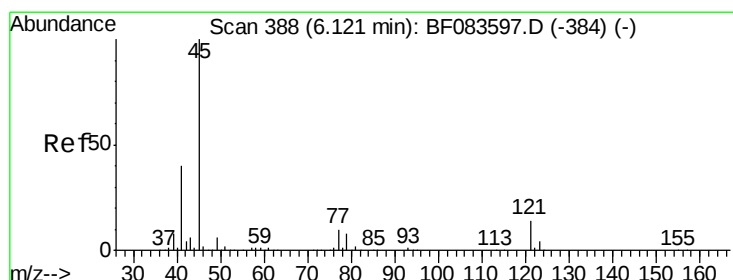
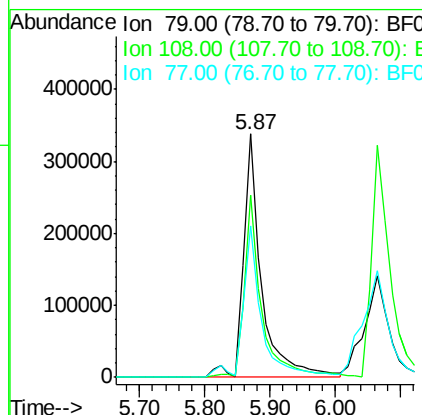
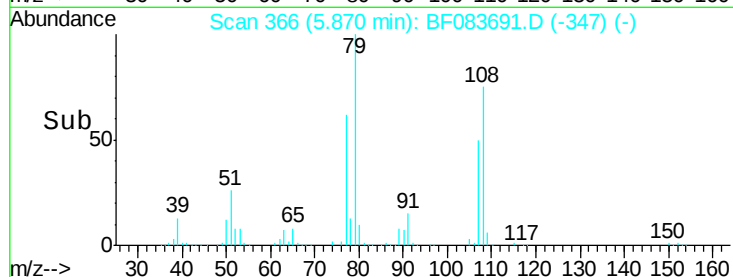
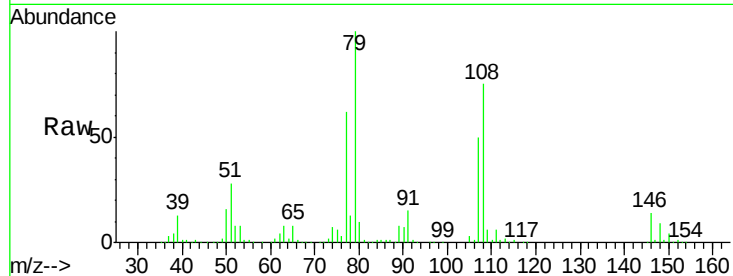
#15
Benzyl Alcohol
Concen: 61.07 ng
RT: 5.87 min Scan# 366
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.7	59.6	89.4
77	62.4	49.8	74.6

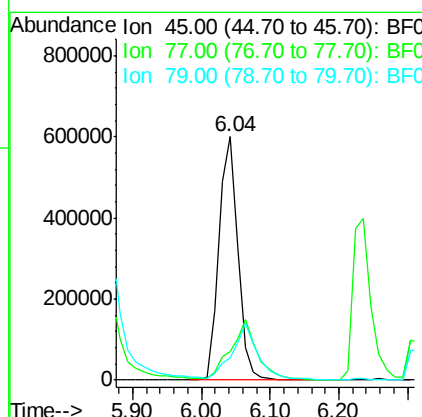
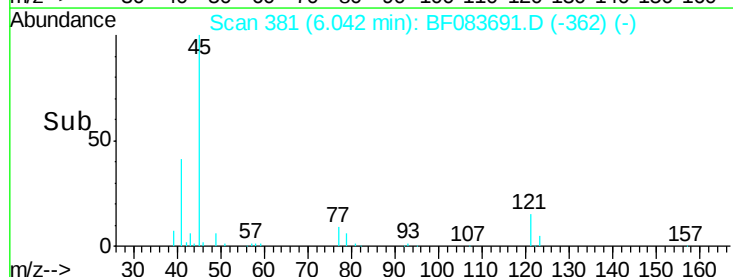
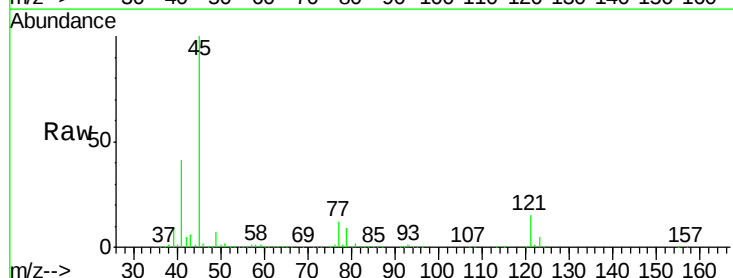
Manual Integrations
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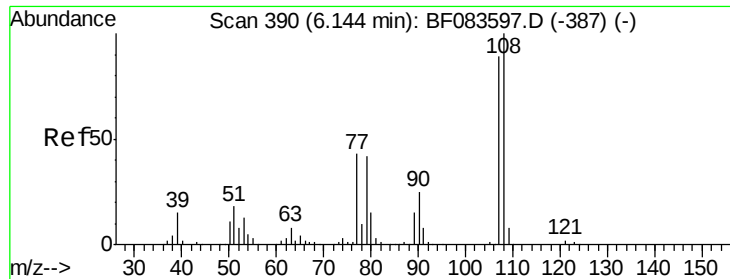
MMdadoda
12/11/2015 6:01:42 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.08 ng
RT: 6.04 min Scan# 381
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.9	12.8	52.8#
79	9.1	10.7	50.7#





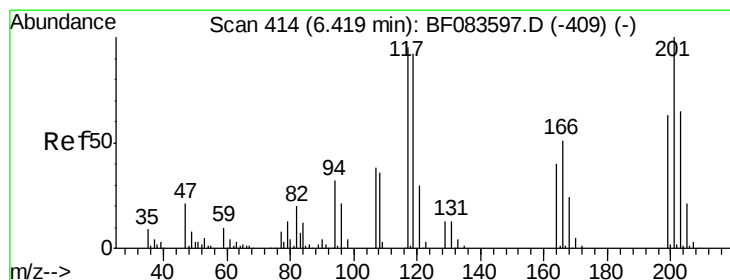
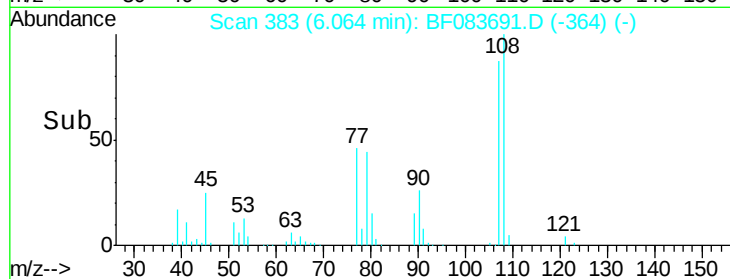
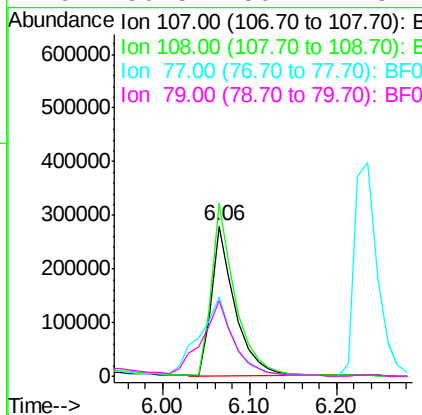
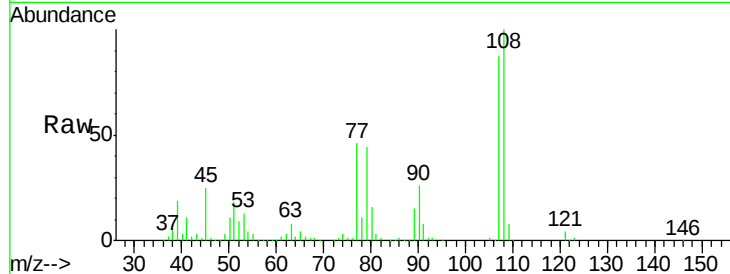
#17
2-Methylphenol
Concen: 53.84 ng
RT: 6.06 min Scan# 383
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	115.3	91.6	137.4		
77	53.2	53.7	80.5		
79	50.5	50.2	75.4		

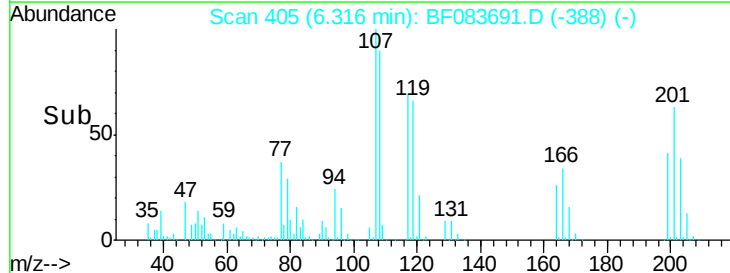
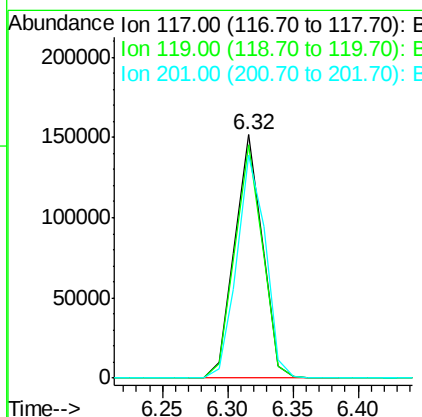
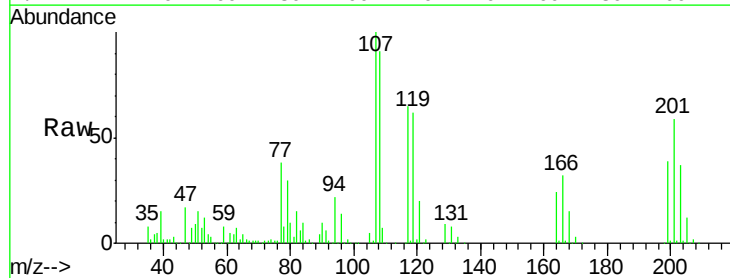
Manual Integrations
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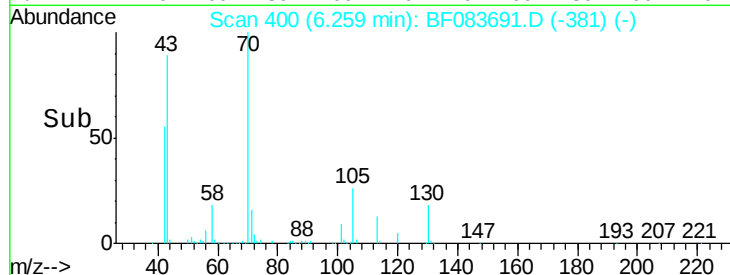
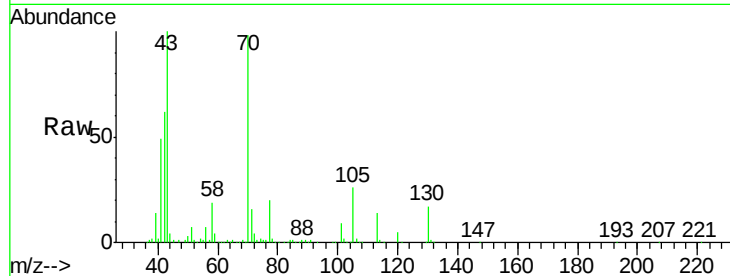
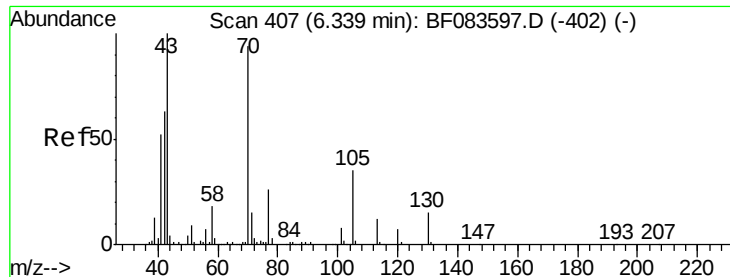
MMdadoda
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#18
Hexachloroethane
Concen: 45.61 ng
RT: 6.32 min Scan# 405
Delta R.T. -0.10 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	95.9	77.2	115.8		
201	91.7	86.8	130.2		





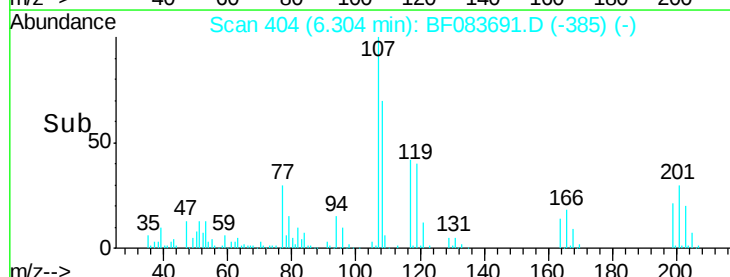
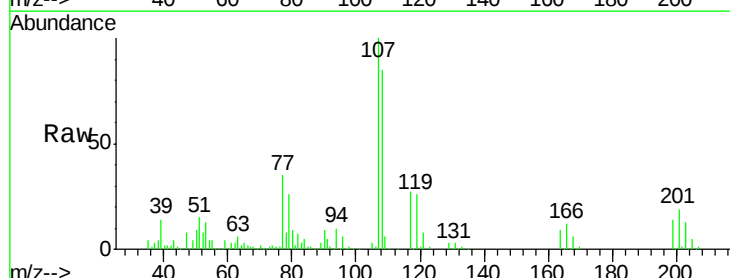
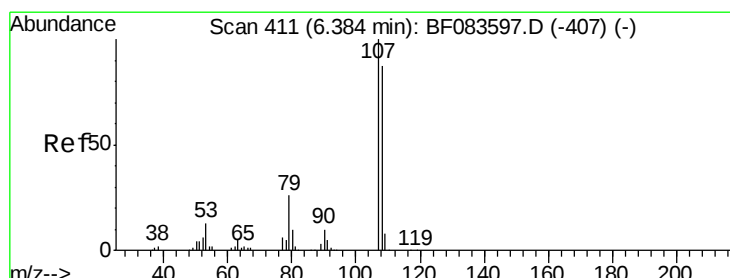
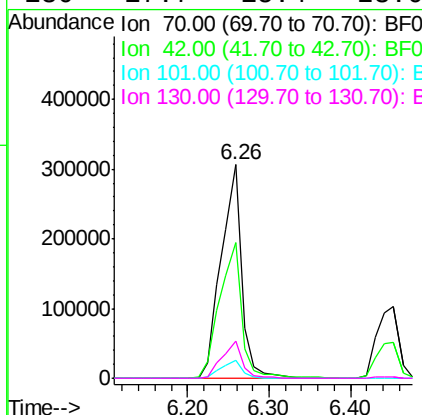
#19
n-Nitroso-di-n-propylamine
Concen: 51.96 ng
RT: 6.26 min Scan# 400
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.4	49.2	73.8
101	8.7	7.1	10.7
130	17.7	15.4	23.0

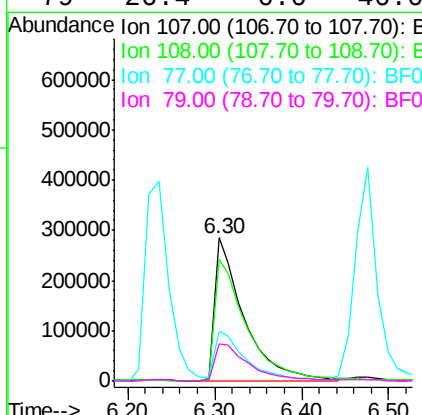
Manual Integrations
APPROVED

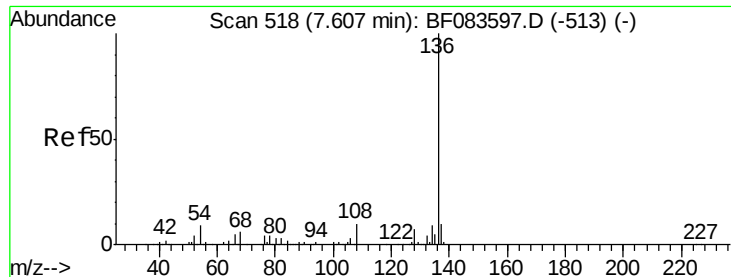
MMdadoda
12/11/2015 6:01:42 PM



#20
3+4-Methylphenols
Concen: 51.72 ng
RT: 6.30 min Scan# 404
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.9	65.2	105.2
77	35.3	15.2	55.2
79	26.4	6.0	46.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.50 min Scan# 509

Delta R.T. -0.10 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

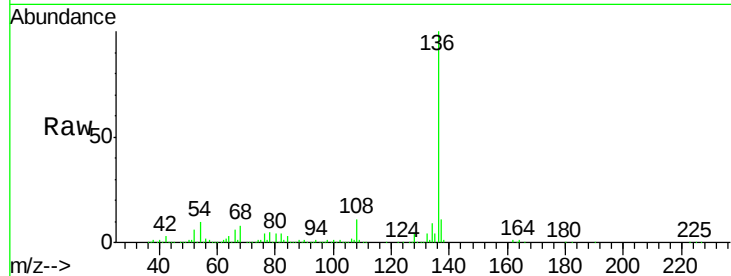
ClientSampleId :

SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	671846		
137	10.9		8.7	13.1
54	10.5		7.8	11.6
68	7.8		5.7	8.5

Manual Integrations
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MMdadoda
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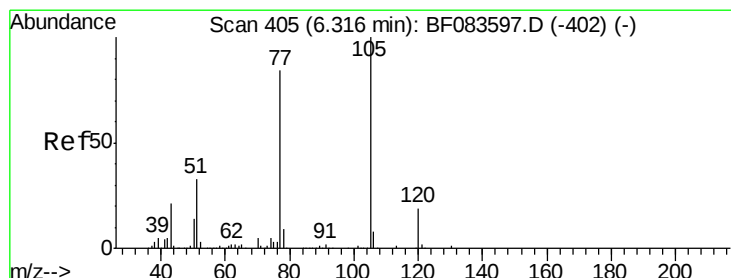
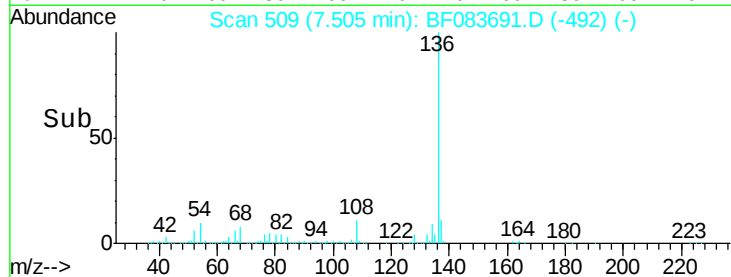
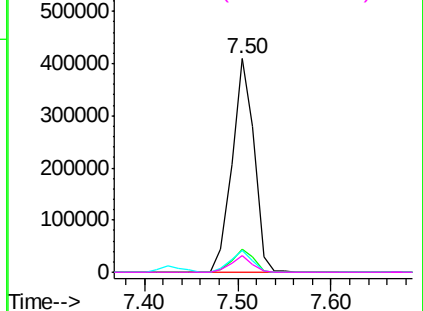
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.85 ng

RT: 6.24 min Scan# 398

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	882828		
71	4.5		1.3	1.9#
51	30.2		23.8	35.8
120	20.0		16.7	25.1

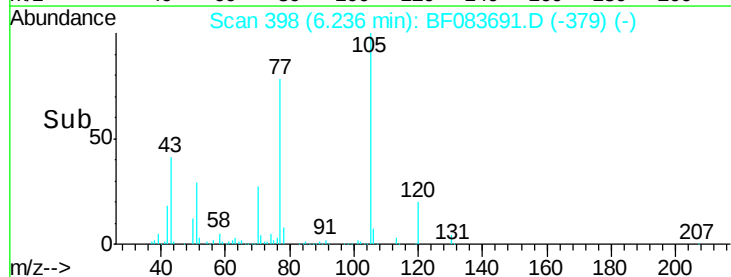
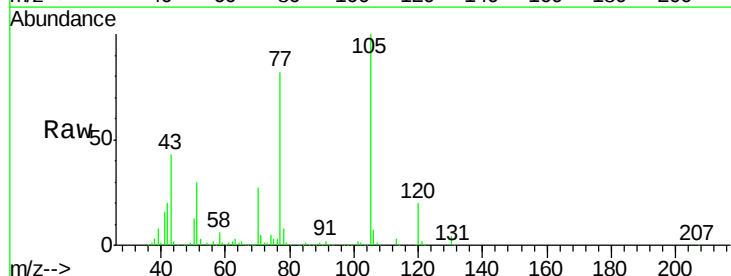
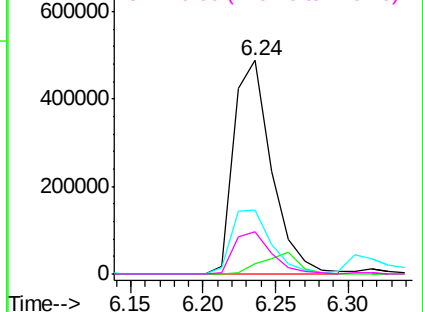
Abundance

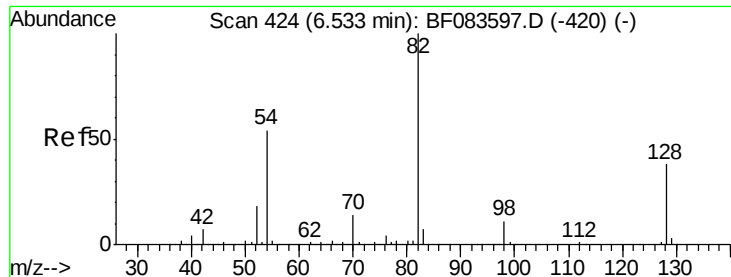
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 99.03 ng

RT: 6.45 min Scan# 417

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion: 82 Resp: 1425826

Ion Ratio Lower Upper

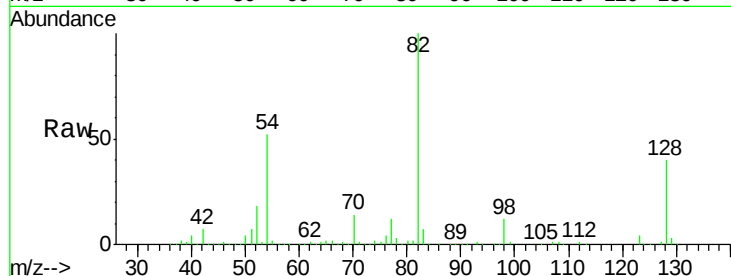
82 100

128 39.6 30.7 46.1

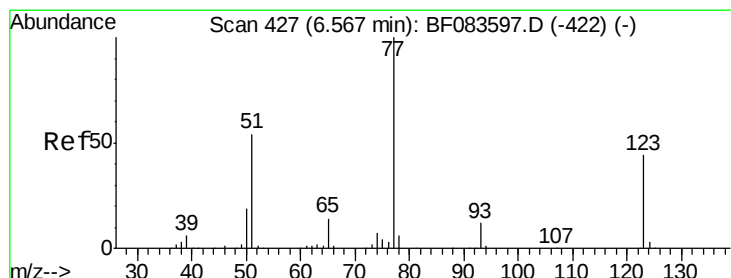
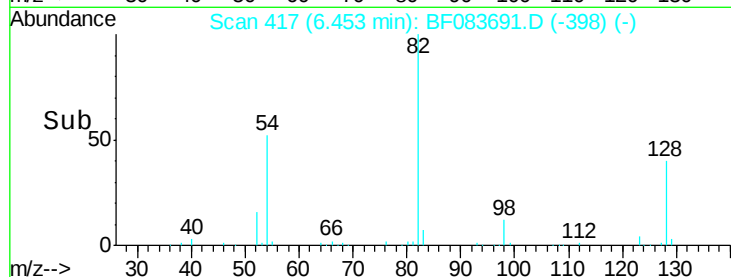
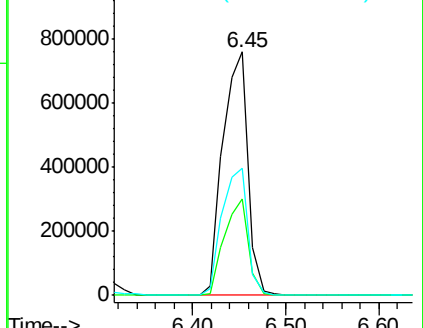
54 52.3 42.5 63.7

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 46.65 ng

RT: 6.48 min Scan# 419

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

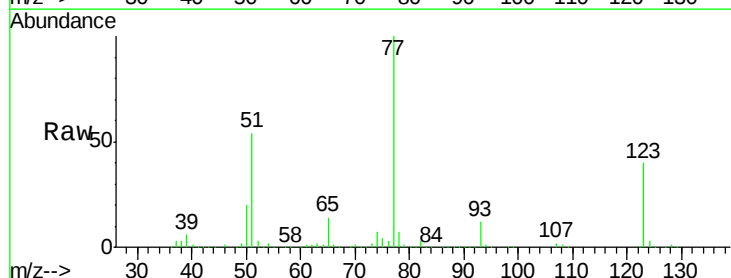
Tgt Ion: 77 Resp: 742447

Ion Ratio Lower Upper

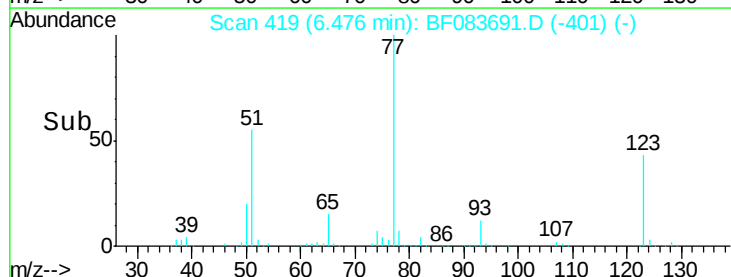
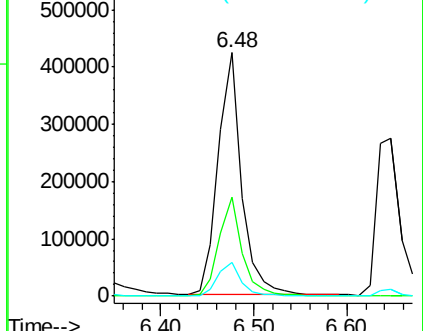
77 100

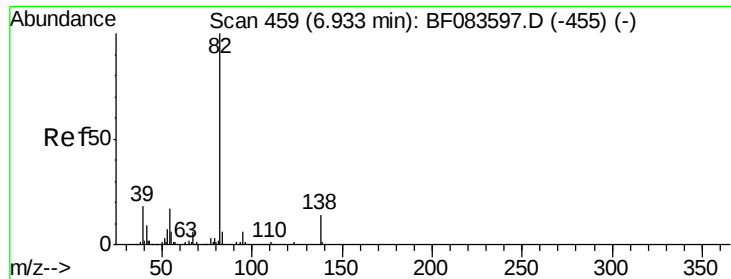
123 40.4 29.8 44.6

65 14.0 11.1 16.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.28 ng

RT: 6.84 min Scan# 451

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion: 82 Resp: 1349145

Ion Ratio Lower Upper

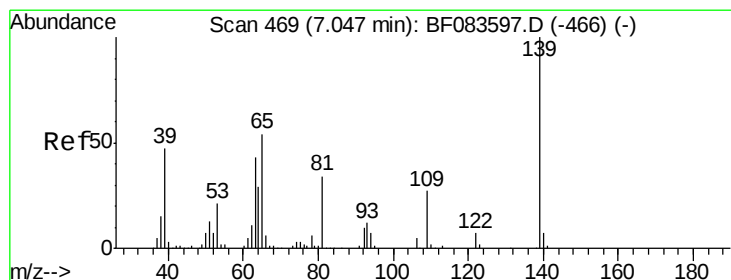
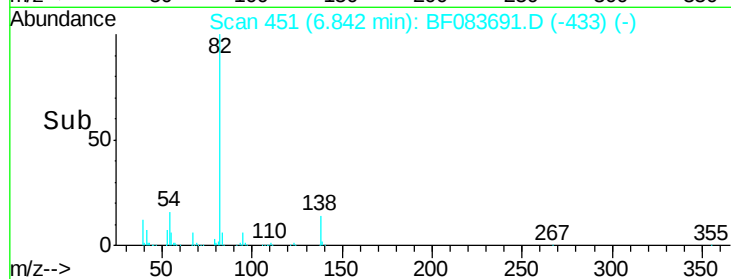
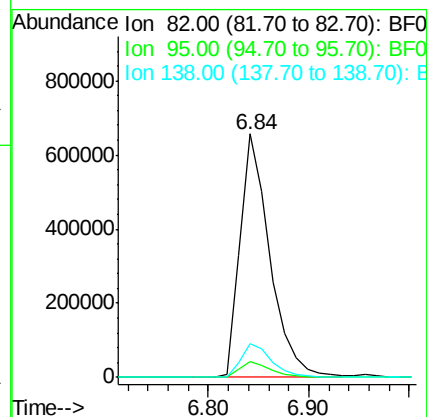
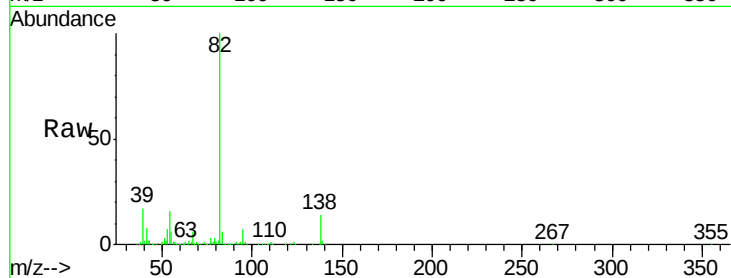
82 100

95 6.6 5.0 7.4

138 14.1 12.1 18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 53.01 ng

RT: 6.96 min Scan# 461

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

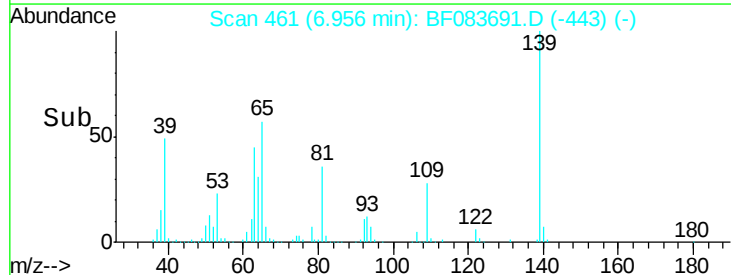
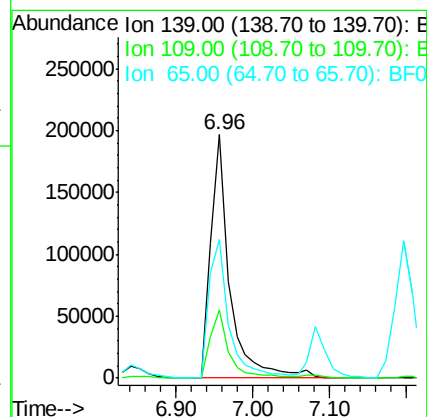
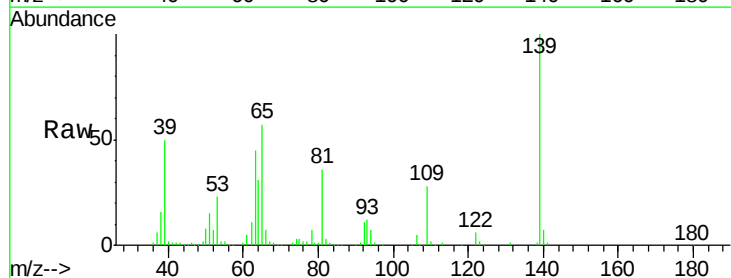
Tgt Ion: 139 Resp: 334963

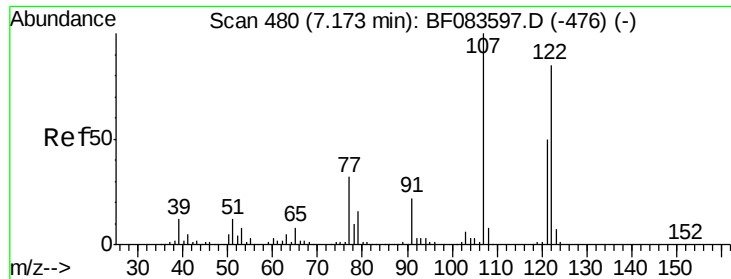
Ion Ratio Lower Upper

139 100

109 27.9 22.7 34.1

65 57.0 51.8 77.8





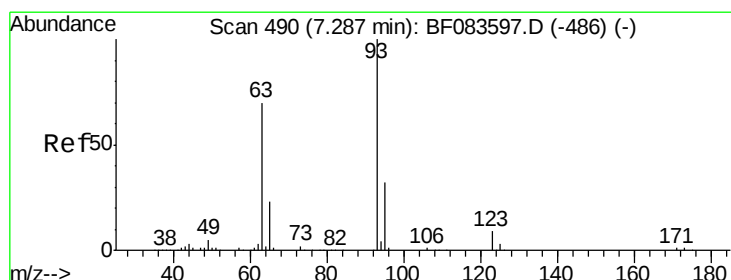
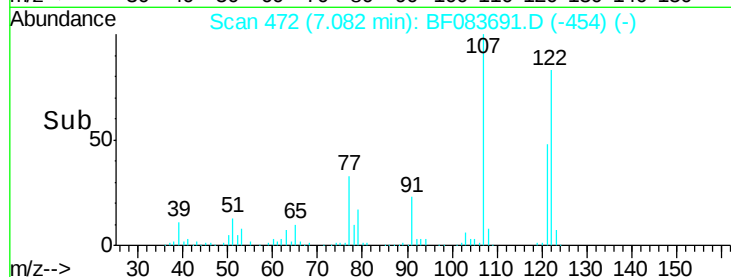
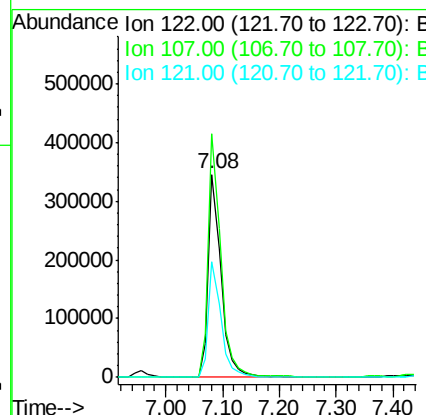
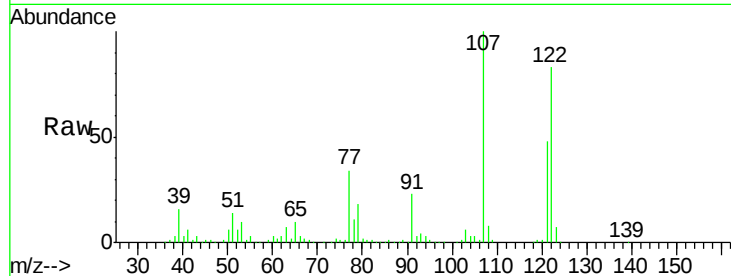
#27
2,4-Dimethylphenol
Concen: 47.06 ng
RT: 7.08 min Scan# 472
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.0	92.4	138.6
121	57.3	45.8	68.6

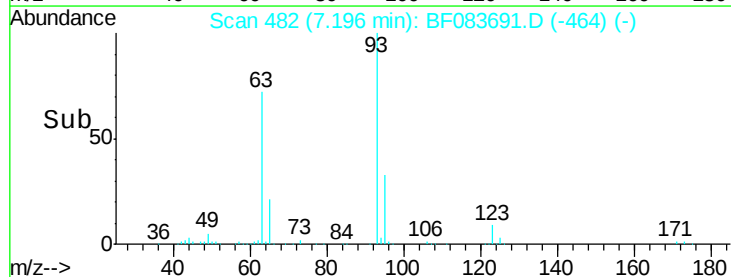
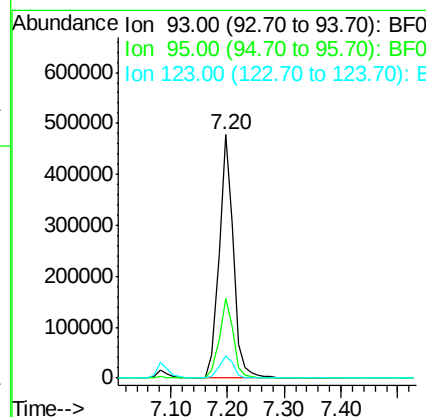
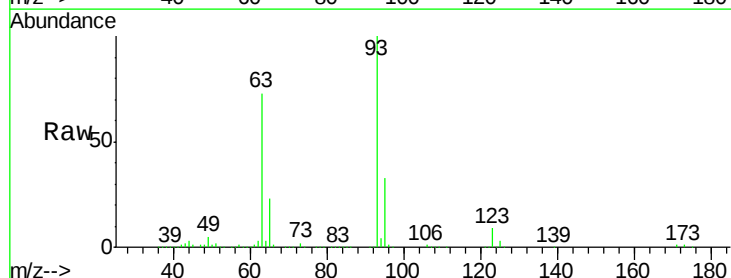
Manual Integrations
APPROVED

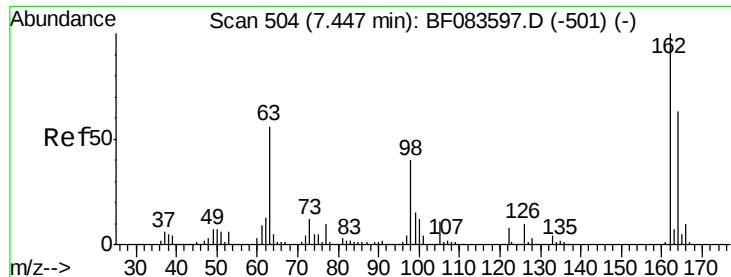
MMdadoda
12/11/2015 6:01:42 PM



#28
bis(2-Chloroethoxy)methane
Concen: 52.49 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.6	38.4
123	9.3	7.3	10.9





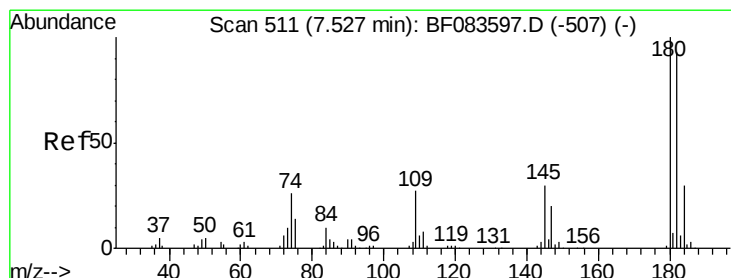
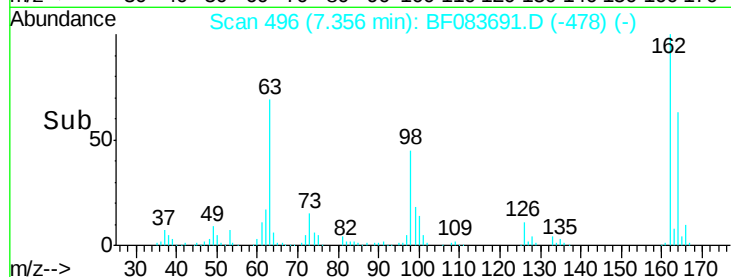
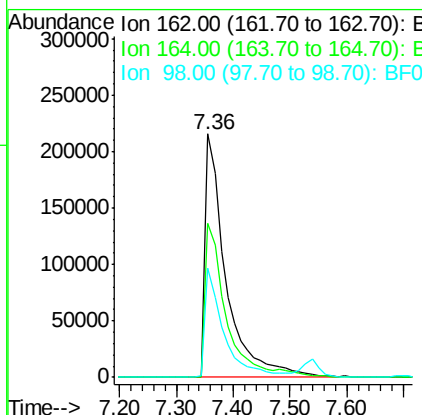
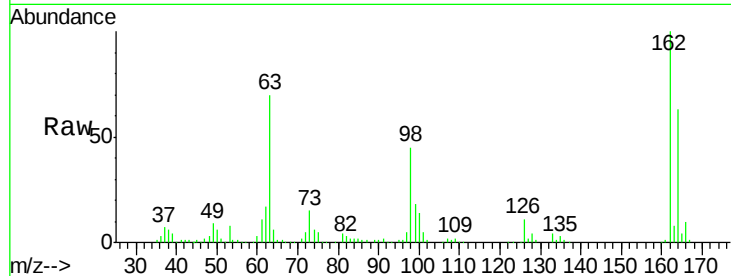
#29
2,4-Dichlorophenol
Concen: 53.12 ng
RT: 7.36 min Scan# 496
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion:	162	Resp:	533987
Ion Ratio	Lower	Upper	
162	100		
164	63.0	43.4	83.4
98	44.8	17.5	57.5

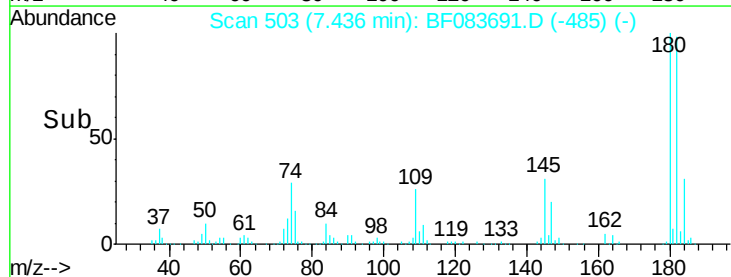
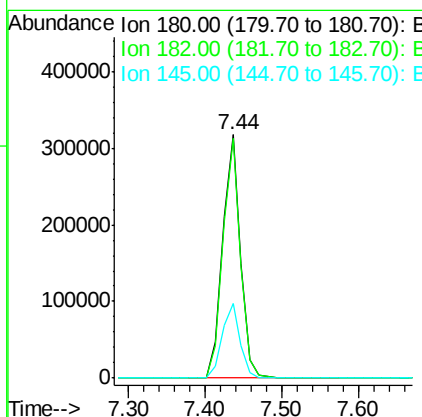
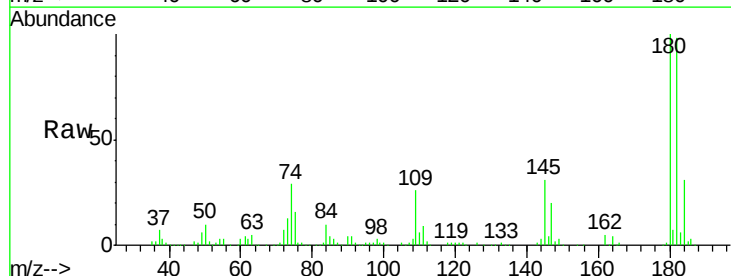
Manual Integrations
APPROVED

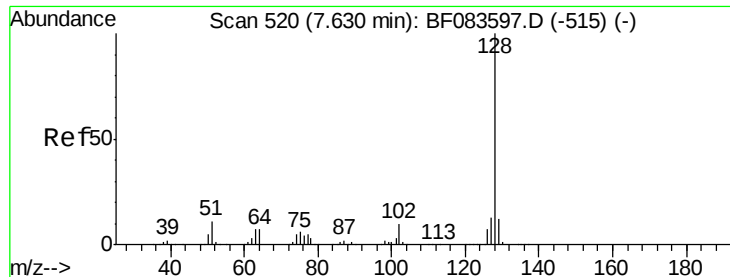
MMdadoda
12/11/2015 6:01:42 PM



#30
1,2,4-Trichlorobenzene
Concen: 46.80 ng
RT: 7.44 min Scan# 503
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion:	180	Resp:	519654
Ion Ratio	Lower	Upper	
180	100		
182	98.5	74.9	112.3
145	30.7	24.7	37.1





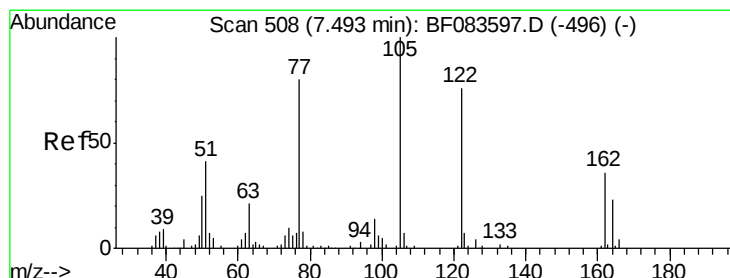
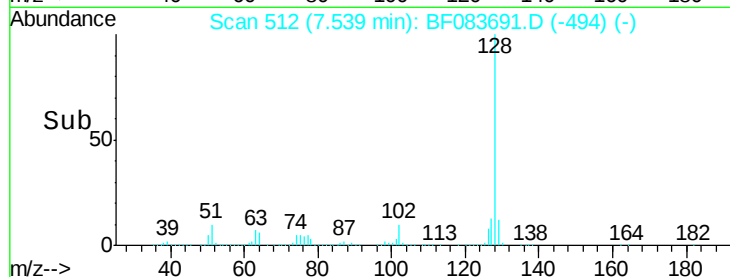
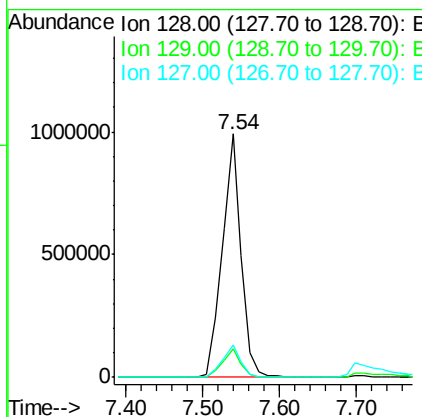
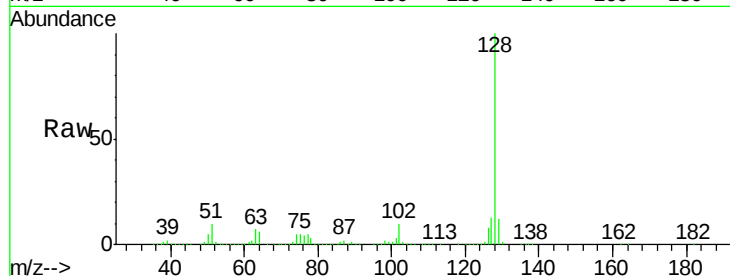
#31
Naphthalene
Concen: 48.13 ng
RT: 7.54 min Scan# 512
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	13.0
127	13.2	10.6	16.0

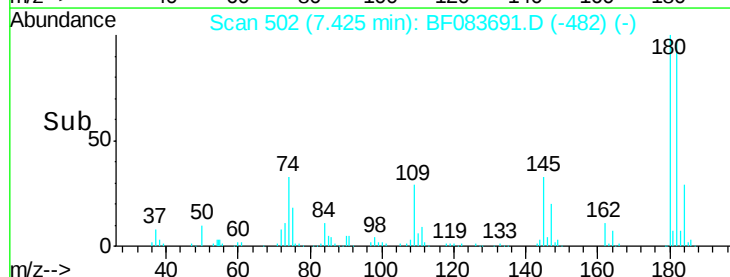
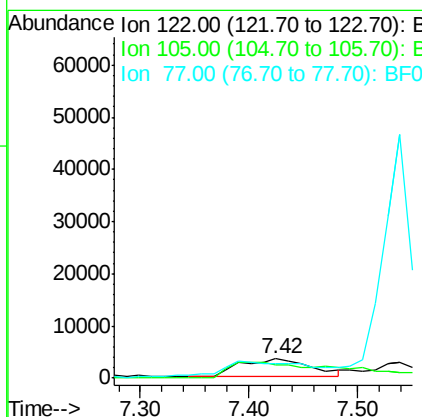
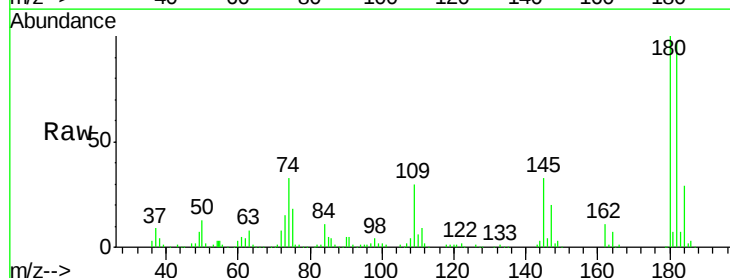
Manual Integrations
APPROVED

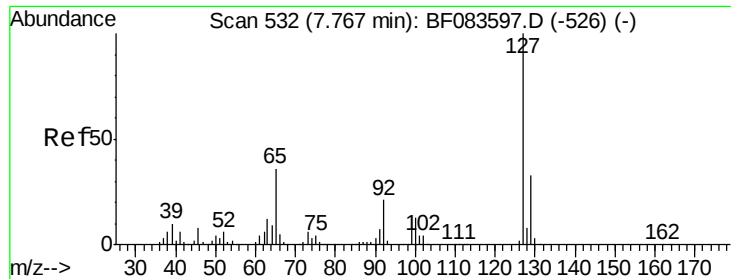
MMdadoda
12/11/2015 6:01:42 PM



#32
Benzoic acid
Concen: 5.00 ng
RT: 7.42 min Scan# 502
Delta R.T. -0.07 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	71.9	105.6	145.6#
77	76.1	86.8	126.8#





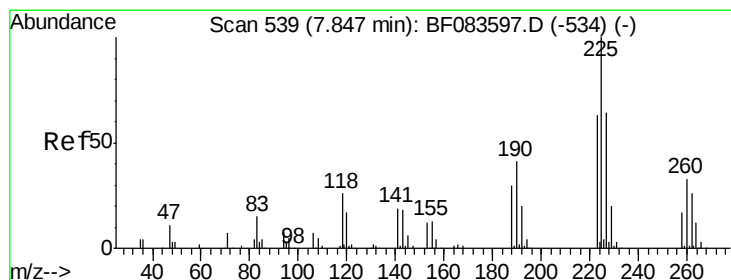
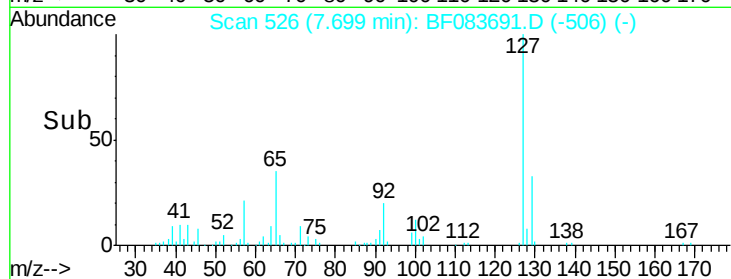
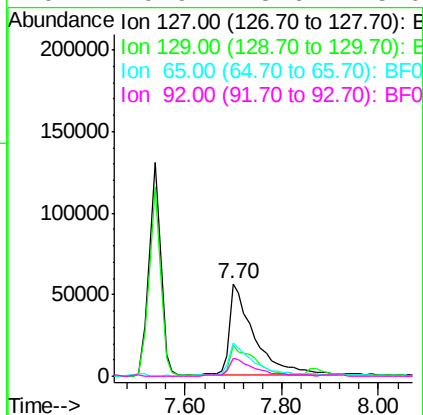
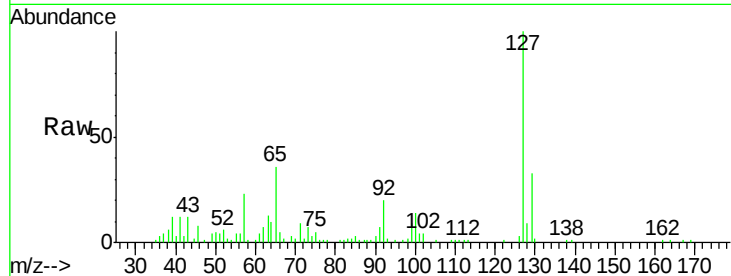
#33
4-Chloroaniline
Concen: 15.45 ng
RT: 7.70 min Scan# 526
Delta R.T. -0.07 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		200530		
129	33.1	26.1	39.1		
65	35.8	33.5	50.3		
92	19.9	18.6	28.0		

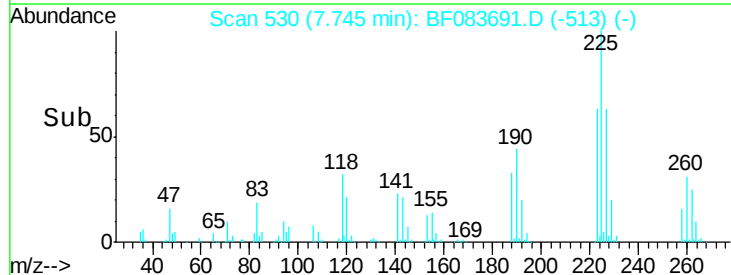
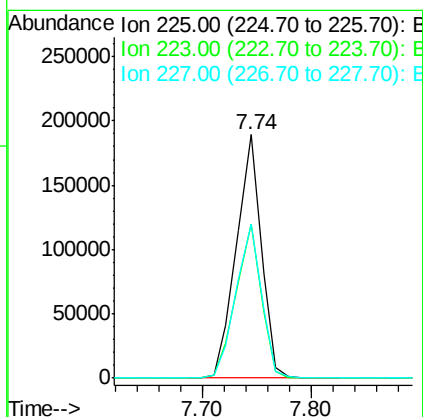
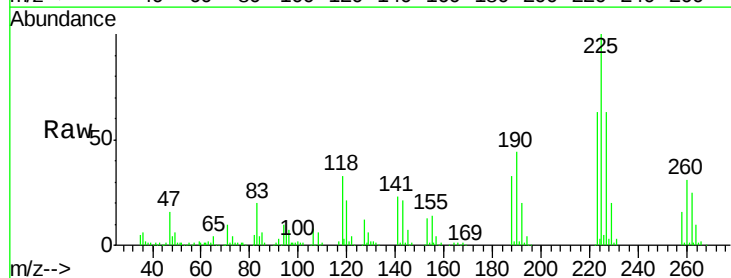
Manual Integrations
APPROVED

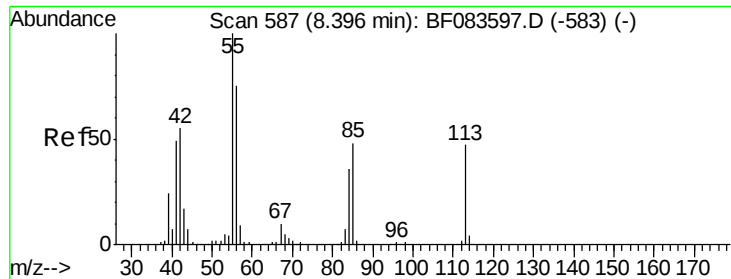
MMdadoda
12/11/2015 6:01:42 PM



#34
Hexachlorobutadiene
Concen: 46.57 ng
RT: 7.74 min Scan# 530
Delta R.T. -0.10 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		302130		
223	63.4	52.3	78.5		
227	63.2	50.4	75.6		





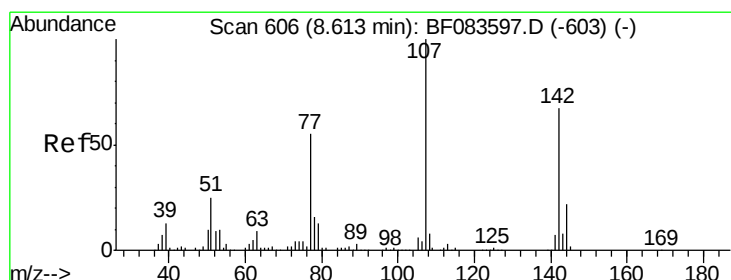
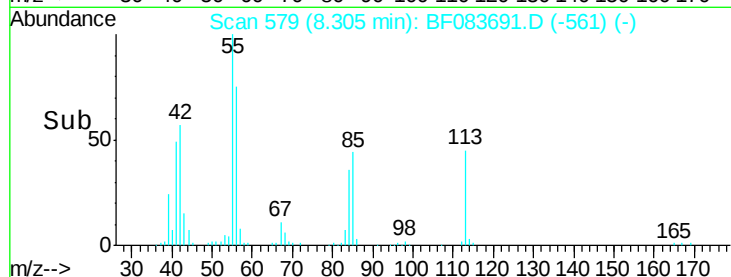
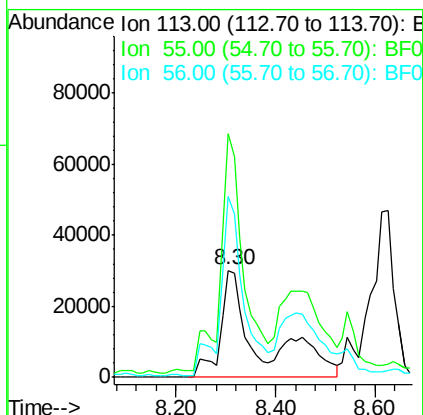
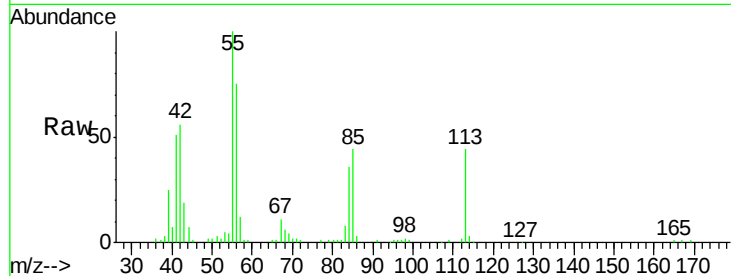
#35
 Caprolactam
 Concen: 54.60 ng/ml
 RT: 8.30 min Scan# 579
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleID :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	227.6	189.7	229.7
56	169.7	130.7	170.7

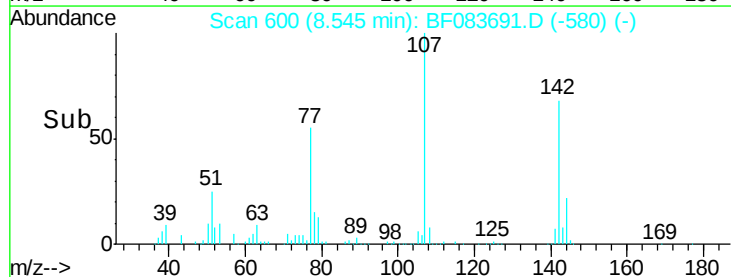
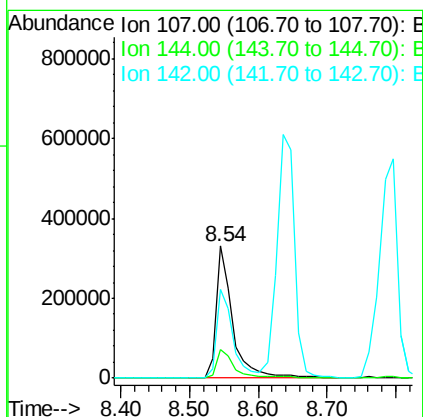
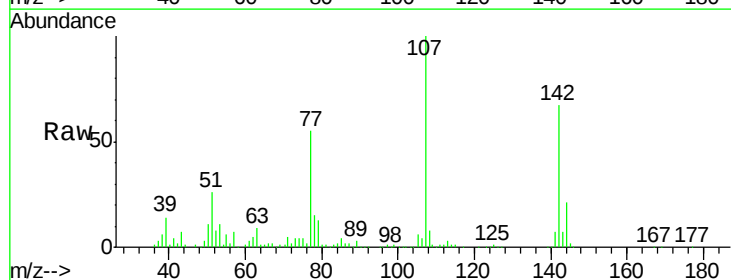
Manual Integrations
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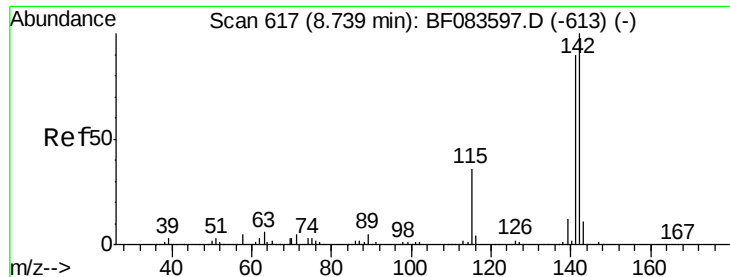
MMdadoda
 12/11/2015 6:01:42 PM



#36
 4-Chloro-3-methylphenol
 Concen: 49.87 ng/ml
 RT: 8.54 min Scan# 600
 Delta R.T. -0.07 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.5	17.5	26.3
142	67.5	53.6	80.4





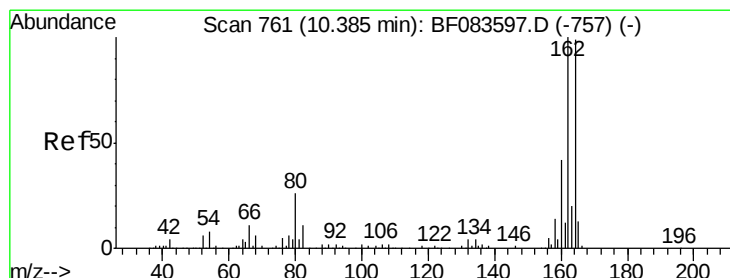
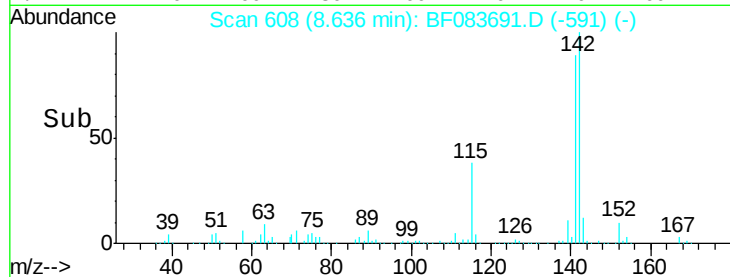
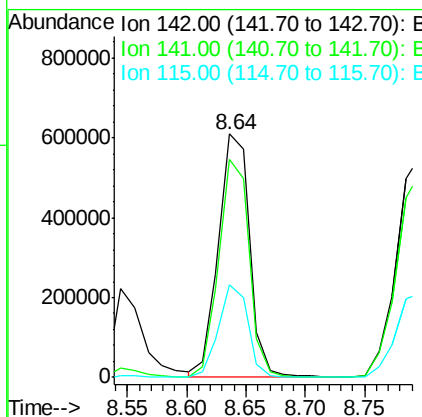
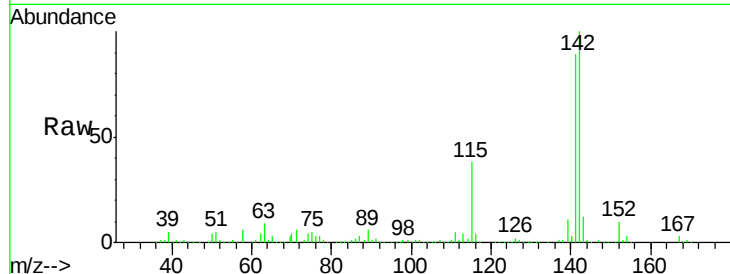
#37
2-Methylnaphthalene
Concen: 49.80 ng
RT: 8.64 min Scan# 608
Delta R.T. -0.10 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	38.1	29.2	43.8

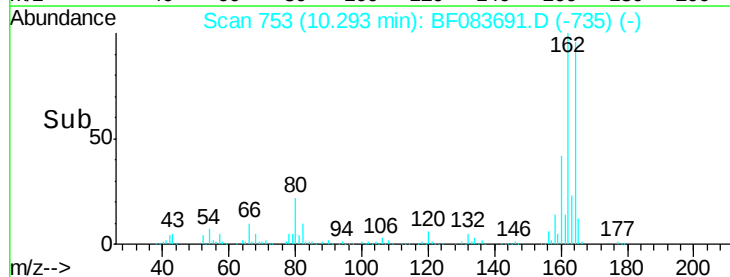
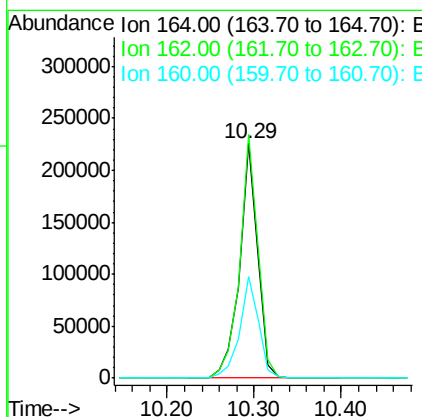
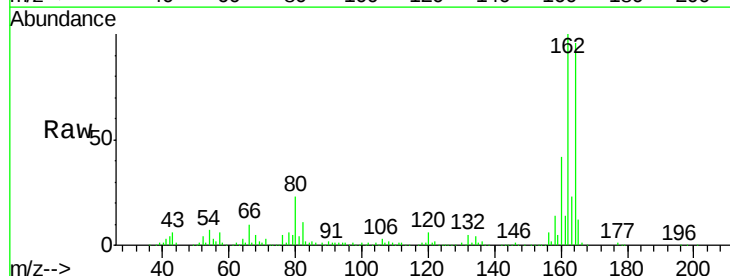
Manual Integrations
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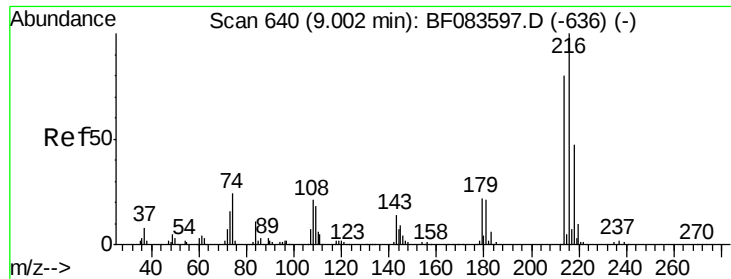
MMdadoda
12/11/2015 6:01:42 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	78.8	118.2
160	43.3	33.4	50.2





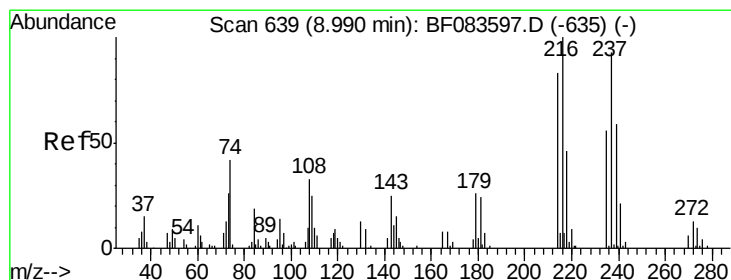
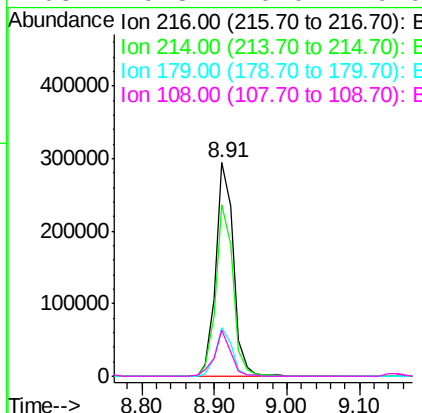
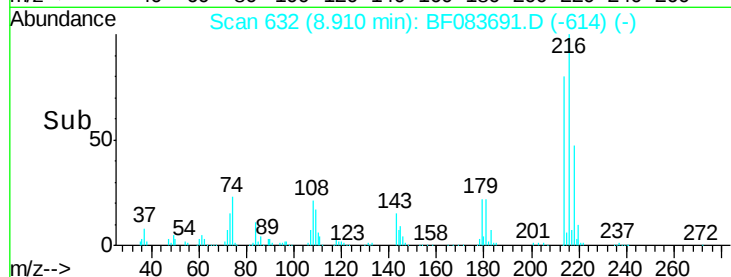
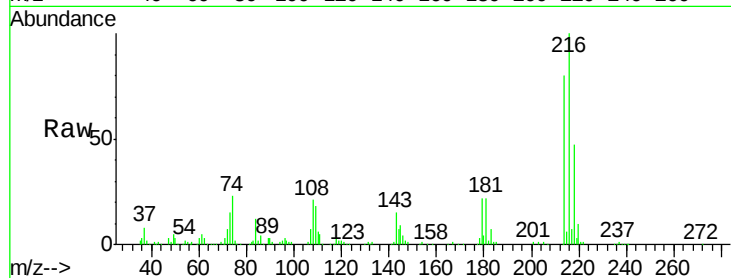
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.44 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		496270		
214	78.7	0.0	0.0#		
179	21.3	0.0	0.0#		
108	19.8	0.0	0.0#		

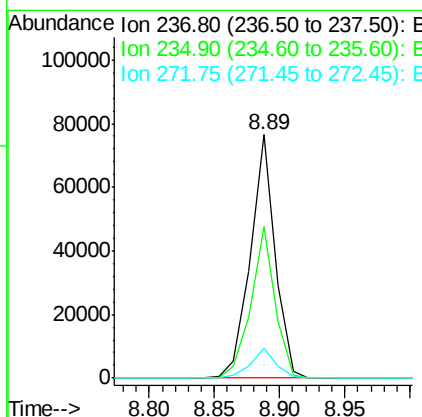
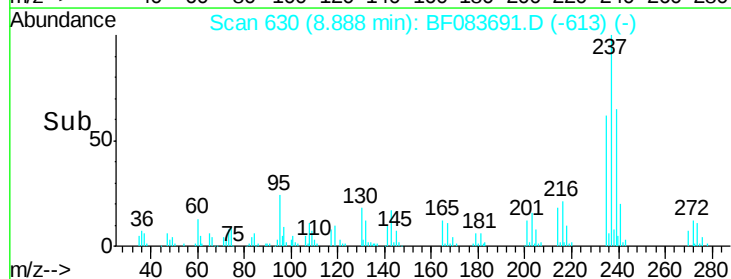
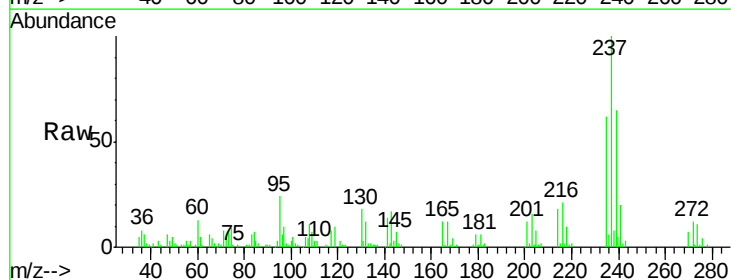
Manual Integrations
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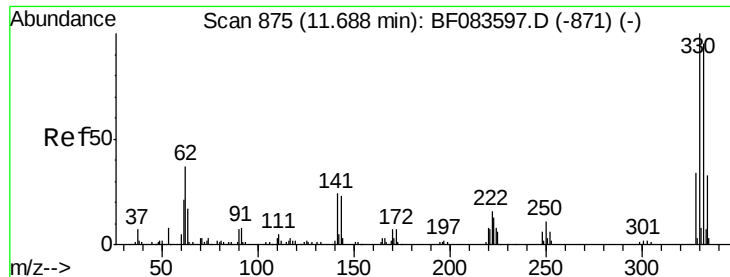
MMdadoda
 12/11/2015 6:01:42 PM



#40
 Hexachlorocyclopentadiene
 Concen: 54.30 ng
 RT: 8.89 min Scan# 630
 Delta R.T. -0.10 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		101077		
235	62.4	43.9	83.9		
272	12.4	0.0	31.8		





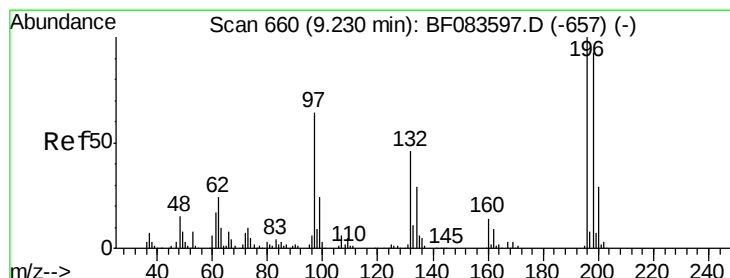
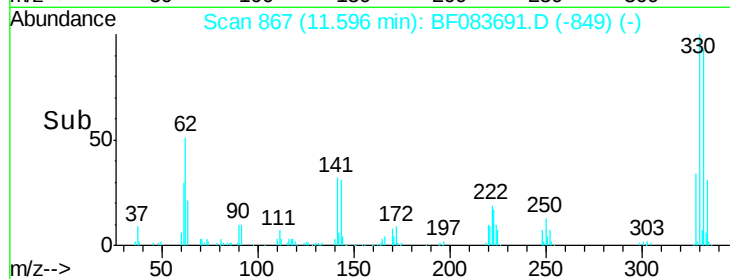
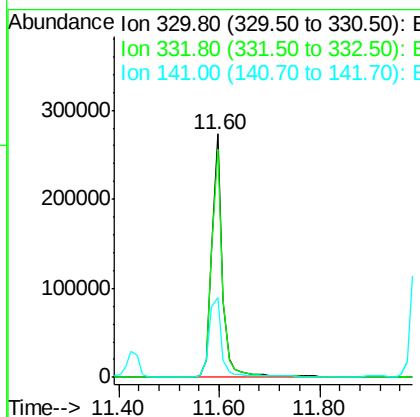
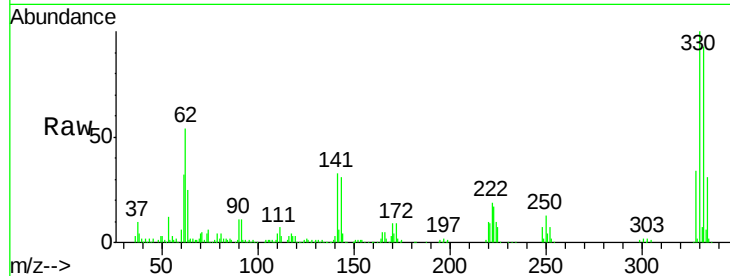
#41
 2,4,6-Tribromophenol
 Concen: 139.67 ng
 RT: 11.60 min Scan# 867
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	38.1	0.0	0.0#

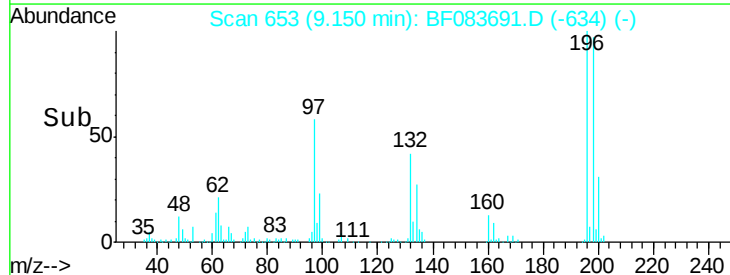
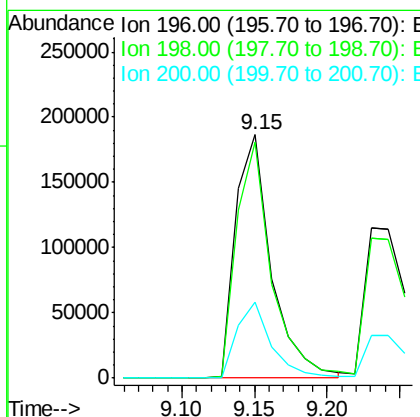
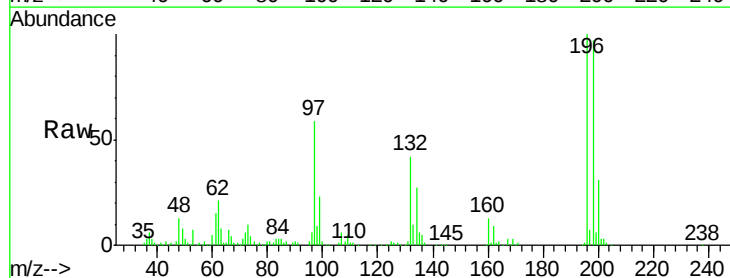
Manual Integrations
 APPROVED

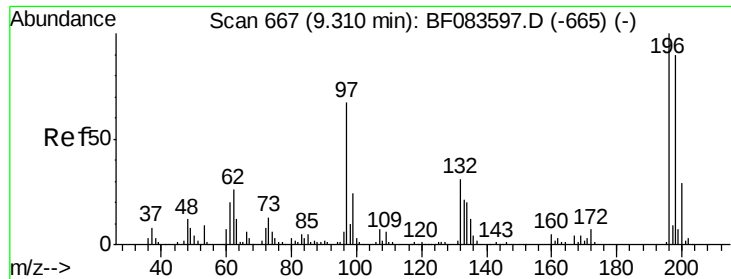
MMdadoda
 12/11/2015 6:01:42 PM



#42
 2,4,6-Trichlorophenol
 Concen: 50.32 ng
 RT: 9.15 min Scan# 653
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	96.7	75.2	112.8
200	31.0	23.0	34.6





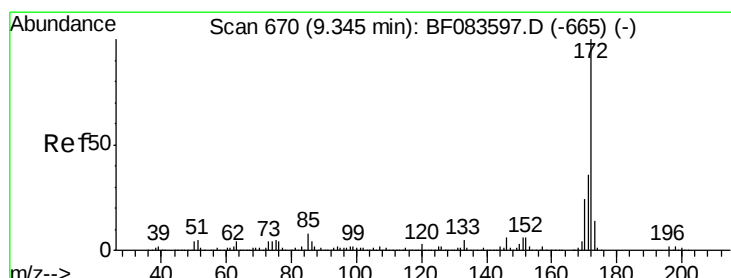
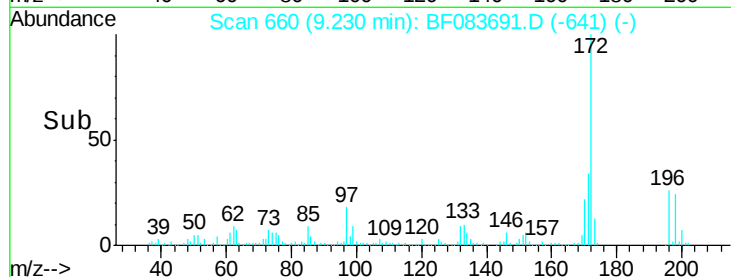
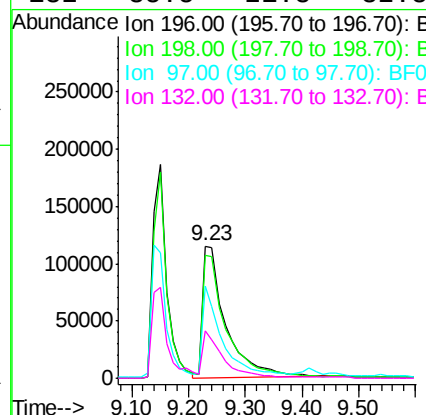
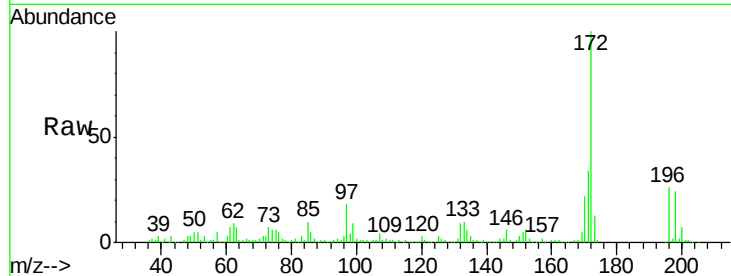
#43
 2,4,5-Trichlorophenol
 Concen: 50.28 ng
 RT: 9.23 min Scan# 660
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	316533		
198	92.9	77.7	116.5	
97	69.6	41.2	61.8	#
132	35.5	21.8	32.8	#

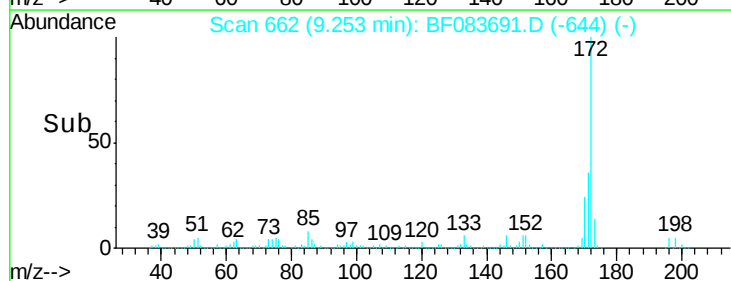
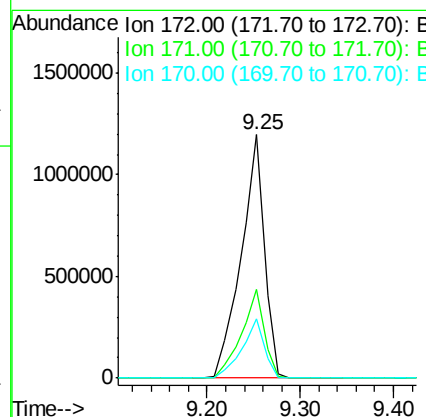
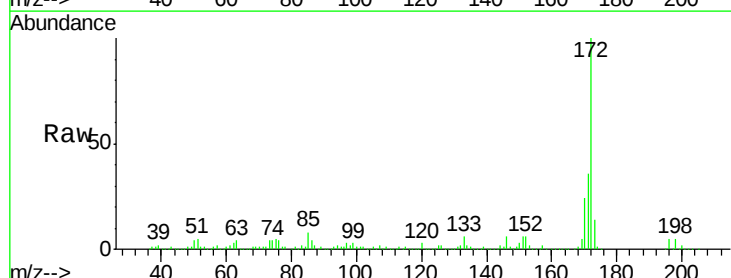
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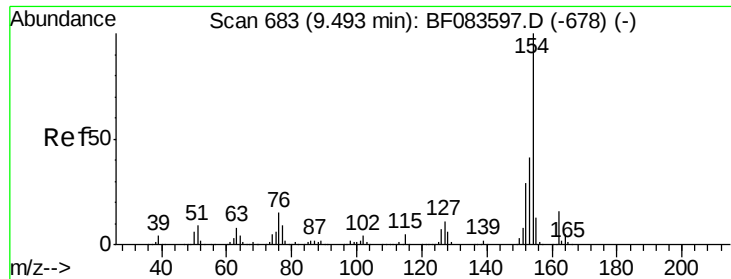
MMdadoda
 12/11/2015 6:01:42 PM



#44
 2-Fluorobiphenyl
 Concen: 89.72 ng
 RT: 9.25 min Scan# 662
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2075048		
171	36.2	28.6	42.8	
170	24.3	19.4	29.0	





#45

1,1'-Biphenyl

Concen: 45.41 ng

RT: 9.40 min Scan# 675

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampled :

SB-04MSD

Tot Ion:154 Resp: 1284801

Ion Ratio Lower Upper

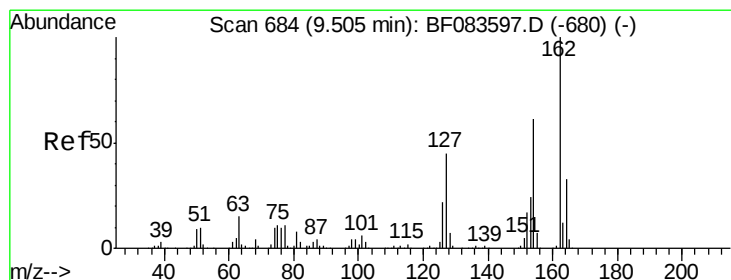
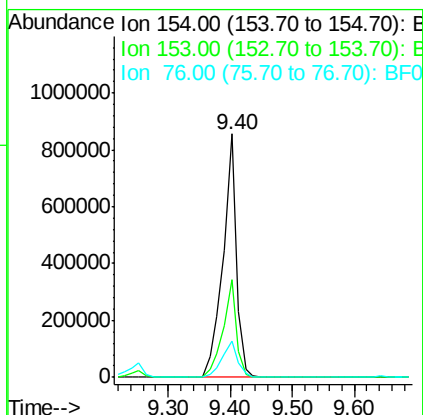
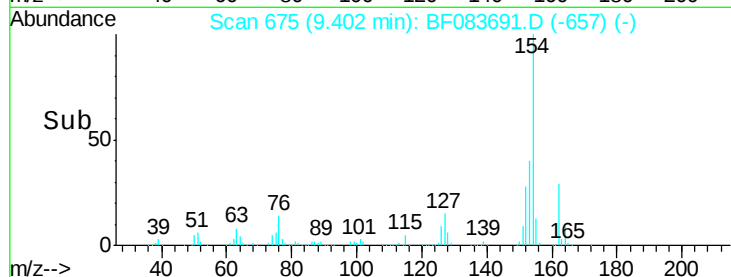
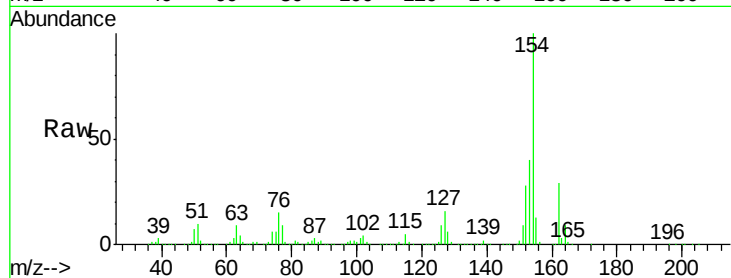
154 100

153 40.0 20.2 60.2

76 15.0 0.0 34.8

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#46

2-Chloronaphthalene

Concen: 47.22 ng

RT: 9.41 min Scan# 676

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

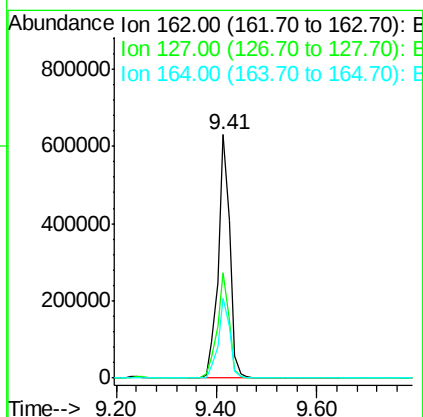
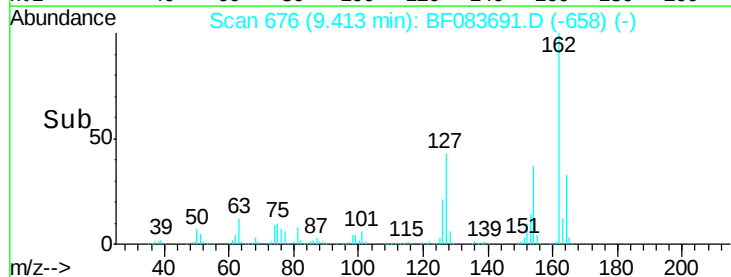
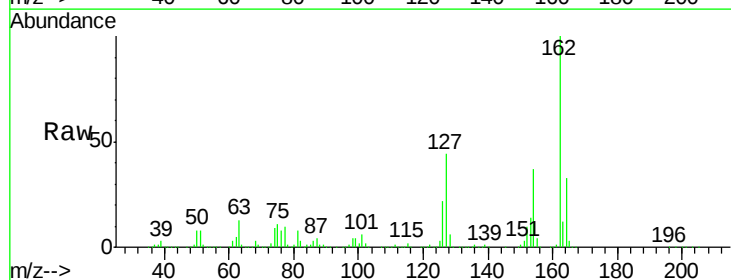
Tgt Ion:162 Resp: 1008608

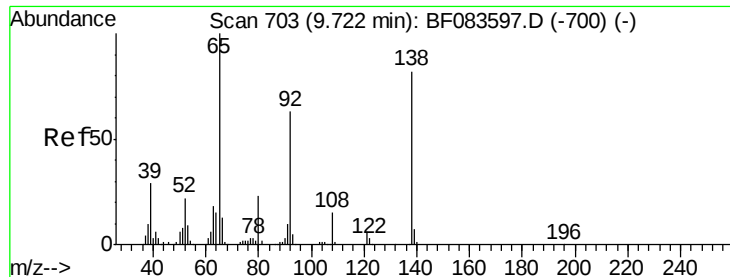
Ion Ratio Lower Upper

162 100

127 43.5 31.0 46.4

164 32.7 27.4 41.0





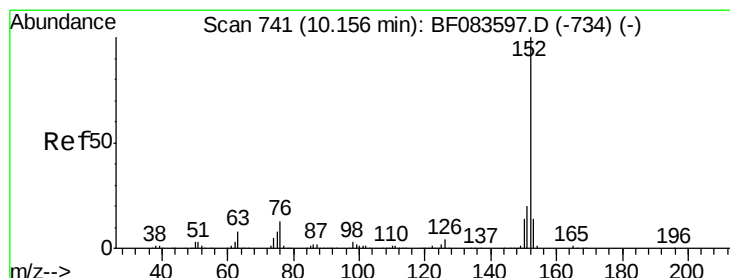
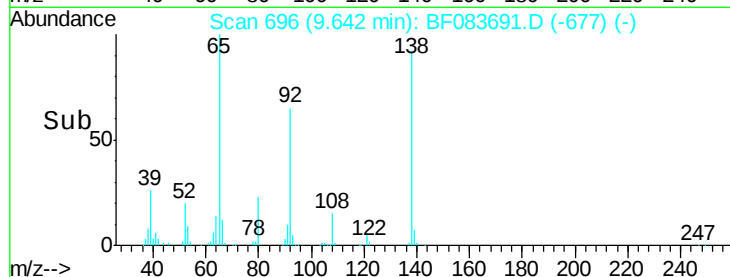
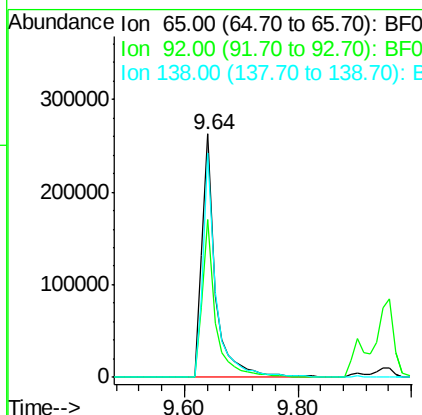
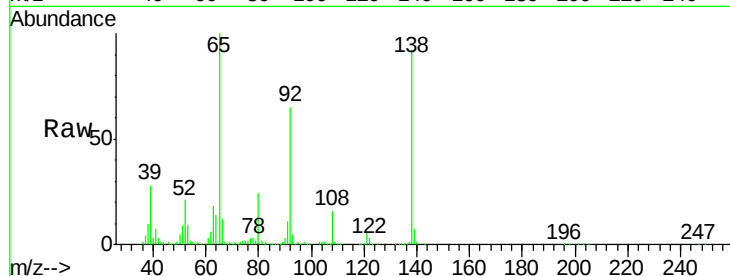
#47
2-Nitroaniline
Concen: 54.37 ng
RT: 9.64 min Scan# 696
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.8	49.6	74.4
138	92.3	64.1	96.1

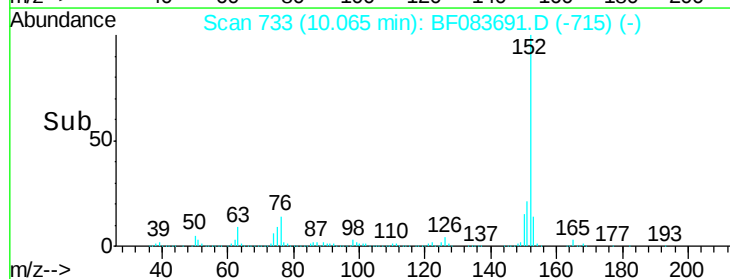
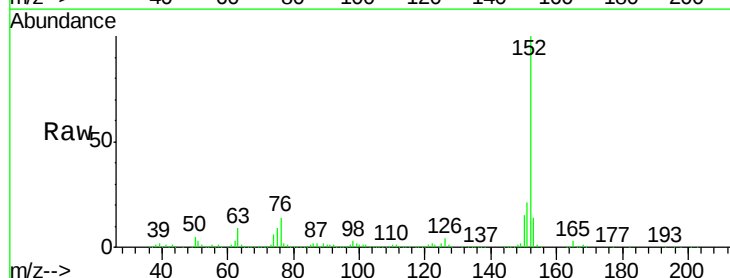
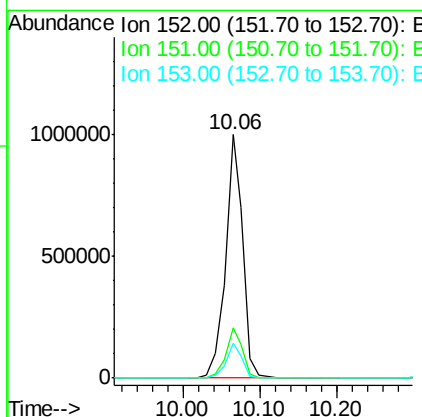
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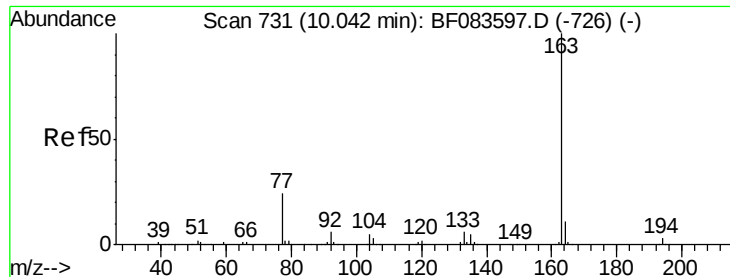
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#48
Acenaphthylene
Concen: 44.80 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.1	10.8	16.2





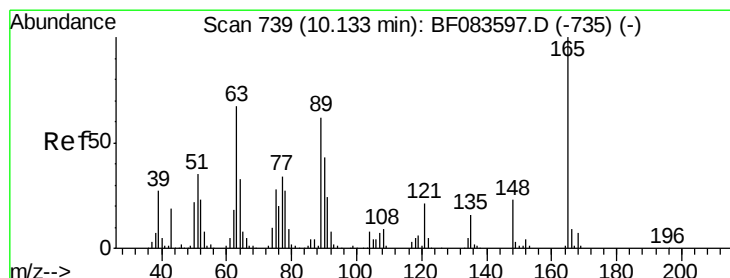
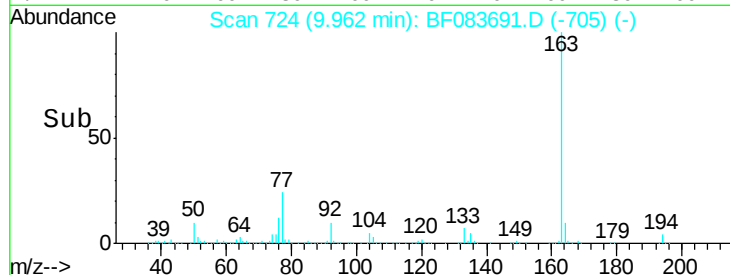
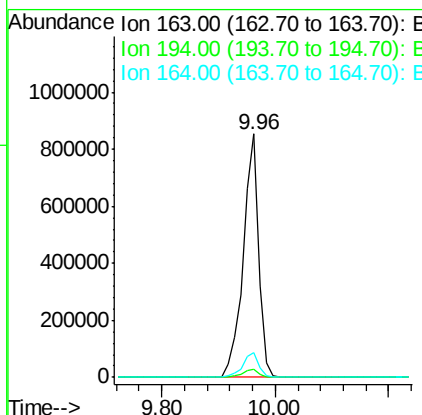
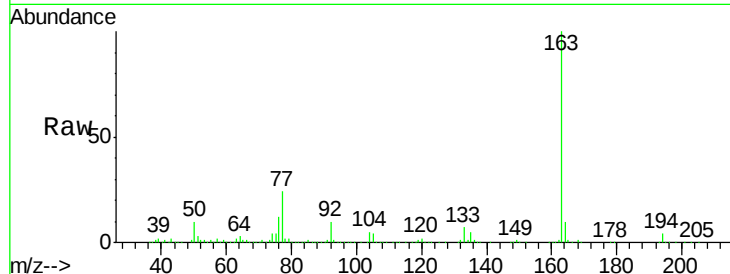
#49
Dimethylphthalate
Concen: 63.22 ng
RT: 9.96 min Scan# 724
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion:163 Resp: 1638204
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.3 8.6 13.0

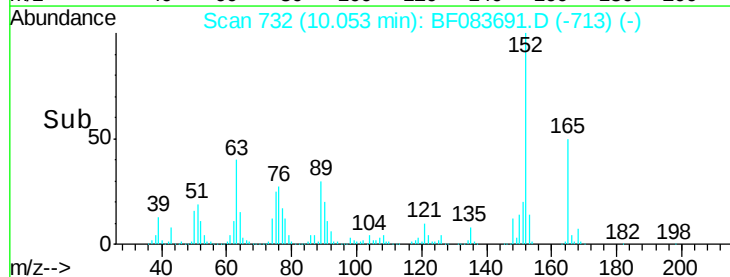
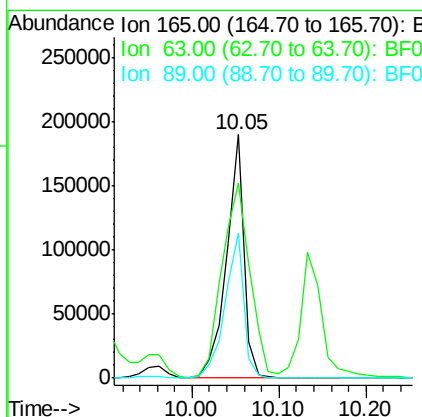
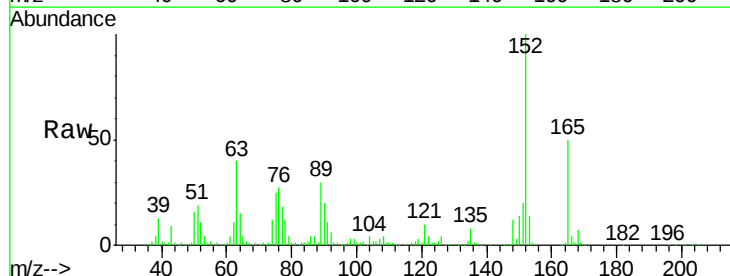
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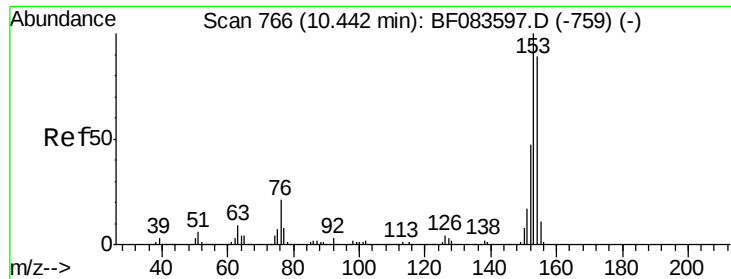
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#50
2,6-Dinitrotoluene
Concen: 49.69 ng
RT: 10.05 min Scan# 732
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion:165 Resp: 265844
Ion Ratio Lower Upper
165 100
63 80.0 56.9 85.3
89 59.6 52.1 78.1





#51

Acenaphthene

Concen: 46.47 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

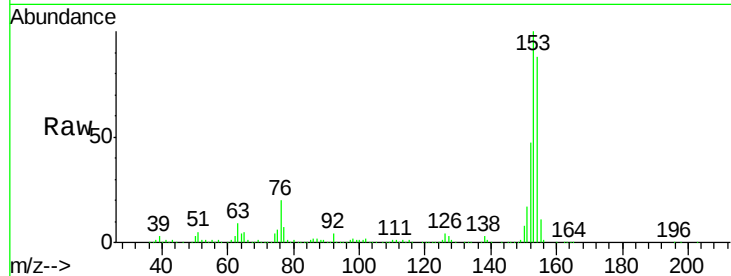
ClientSampleId :

SB-04MSD

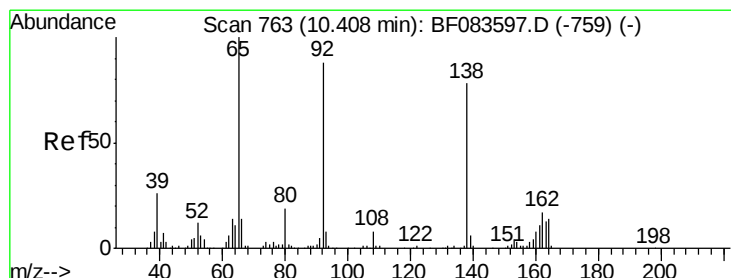
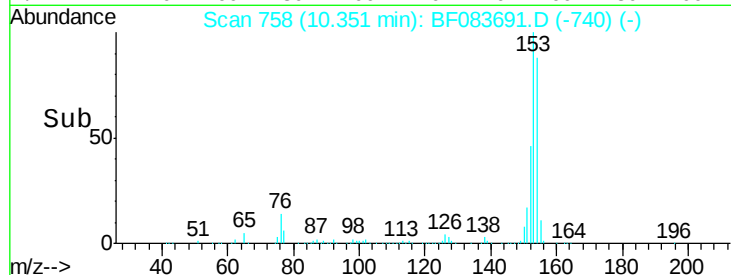
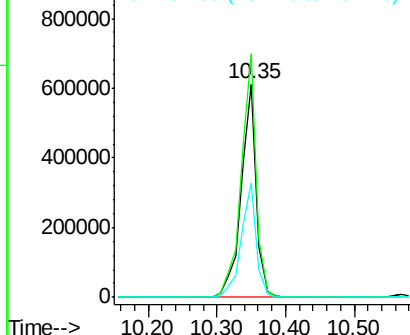
Tot Ion:	154	Resp:	936970
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.4	137.0
152	53.4	43.4	65.2

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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: 26.54 ng

RT: 10.33 min Scan# 756

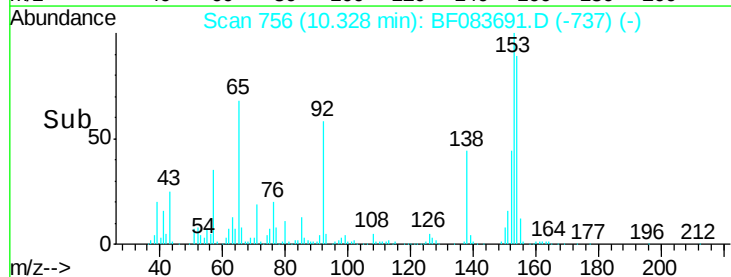
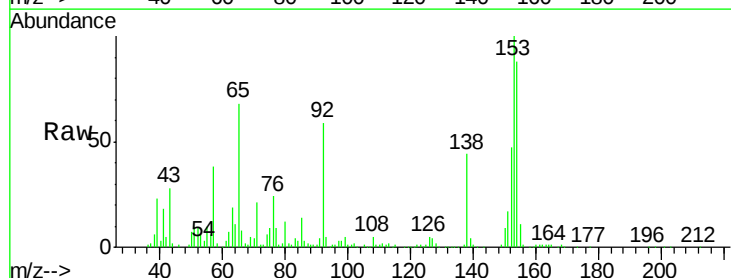
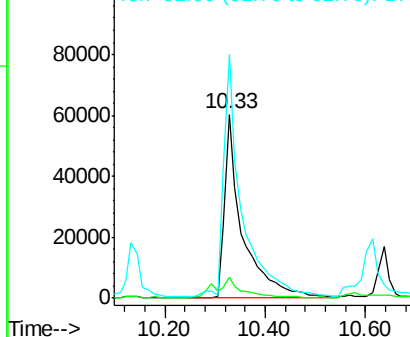
Delta R.T. -0.08 min

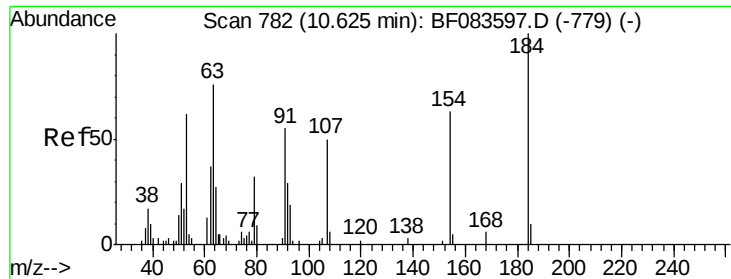
Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion:	138	Resp:	150920
Ion Ratio	Lower	Upper	
138	100		
108	11.6	9.9	14.9
92	132.4	113.8	170.8

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





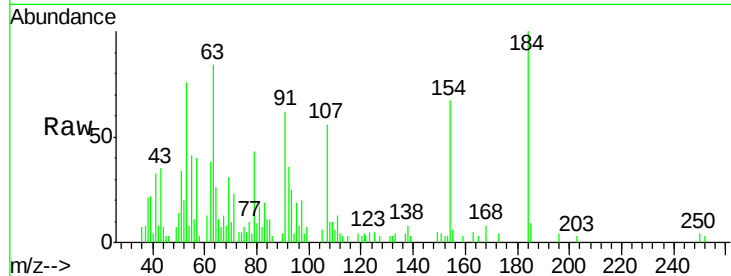
#53
2,4-Dinitrophenol
Concen: 23.12 ng
RT: 10.57 min Scan# 777
Delta R.T. -0.06 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

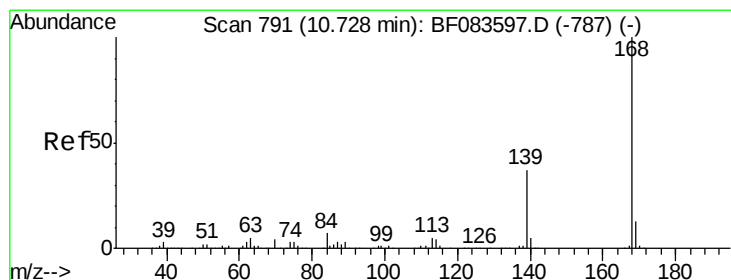
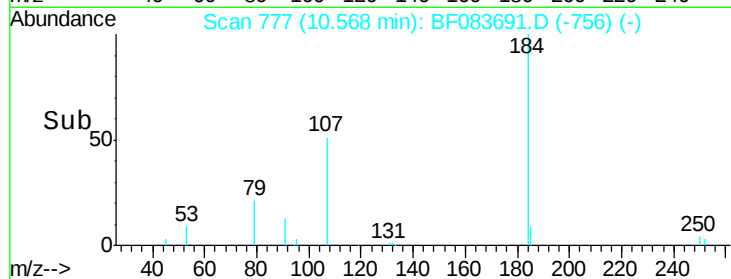
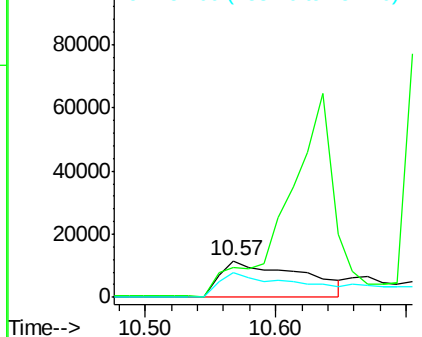
Tot Ion	Ratio	Lower	Upper
184	100		
63	83.7	62.4	93.6
154	67.0	46.6	69.8

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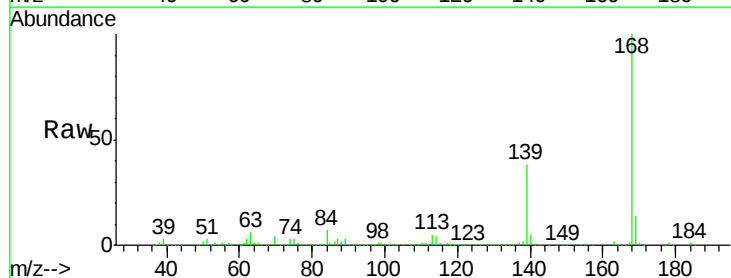


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

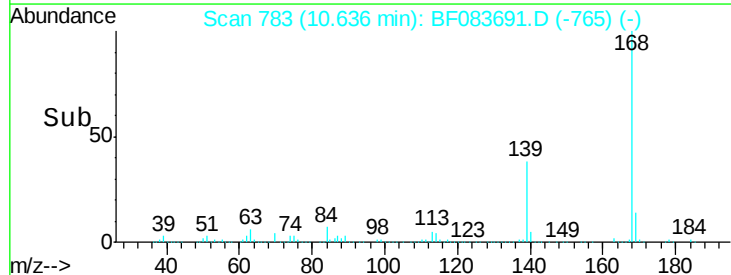
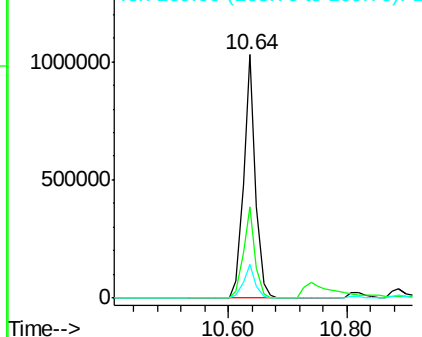


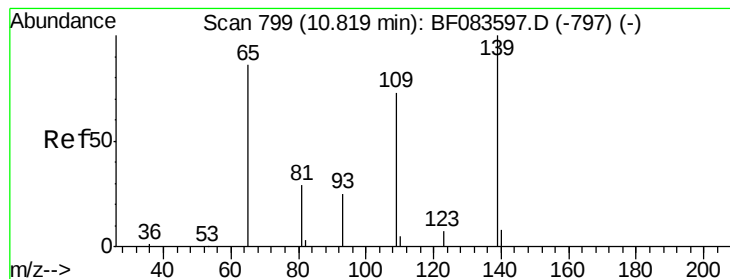
#54
Dibenzofuran
Concen: 50.60 ng
RT: 10.64 min Scan# 783
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.6	28.0	42.0
169	13.9	10.8	16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 107.37 ng

RT: 10.74 min Scan# 792

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

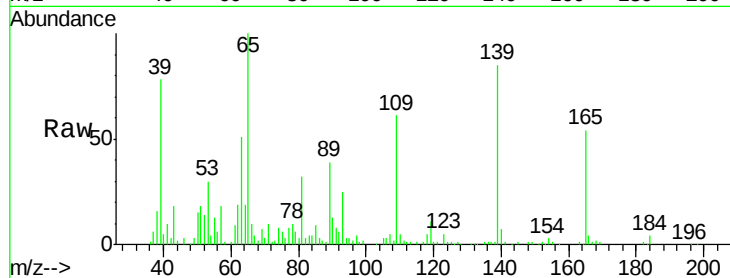
ClientSampleId :

SB-04MSD

Tot Ion:	139	Resp:	268776
Ion Ratio	Lower	Upper	
139	100		
109	71.7	42.0	82.0
65	117.9	89.2	129.2

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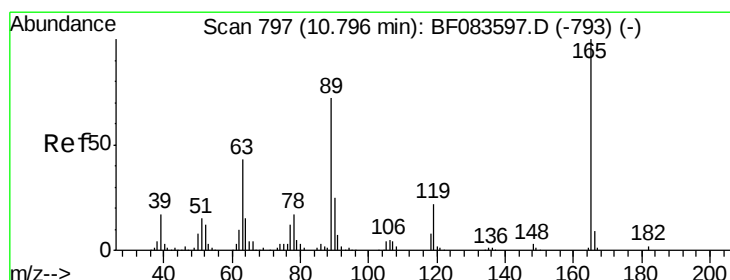
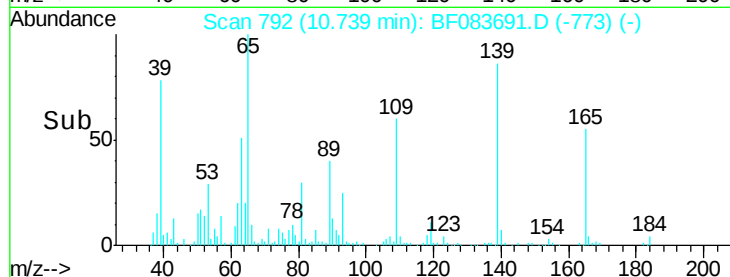
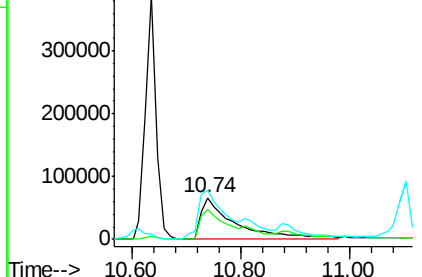
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 52.38 ng

RT: 10.72 min Scan# 790

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

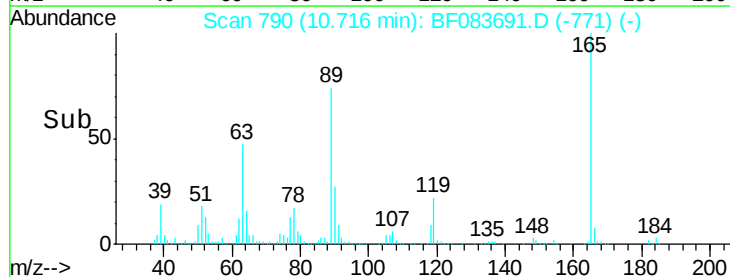
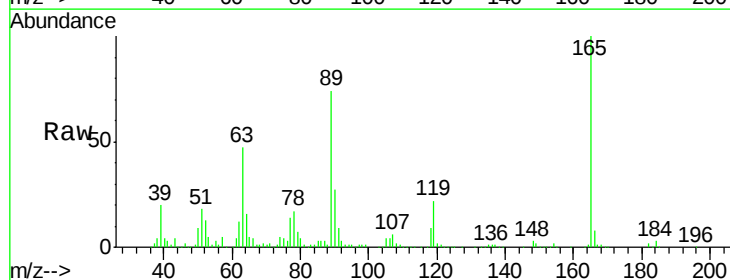
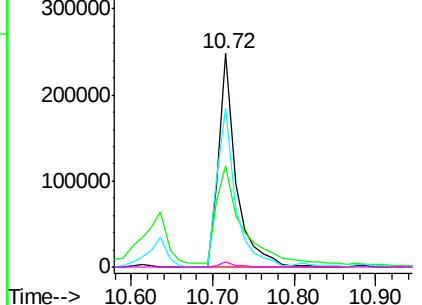
Tgt Ion:	165	Resp:	371662
Ion Ratio	Lower	Upper	
165	100		
63	47.2	51.4	77.2#
89	74.2	72.6	108.8
182	2.4	1.4	2.0#

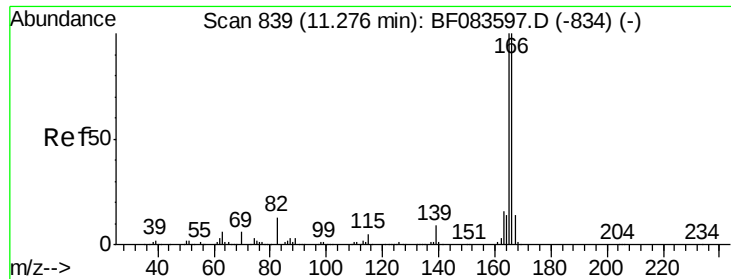
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





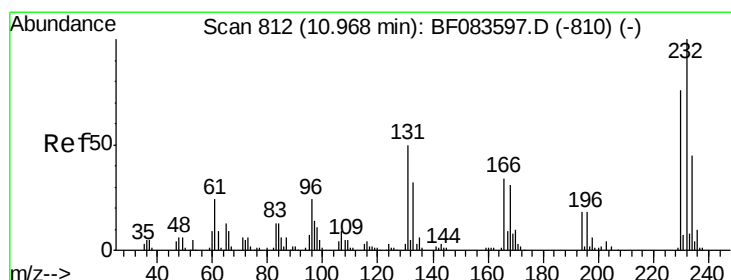
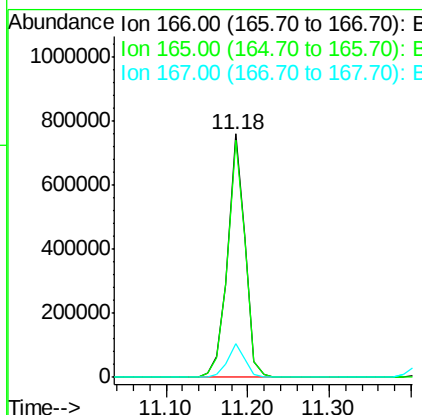
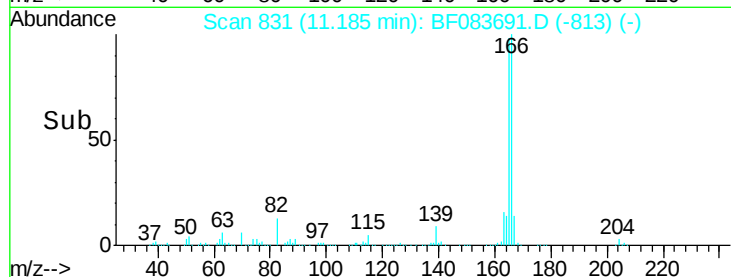
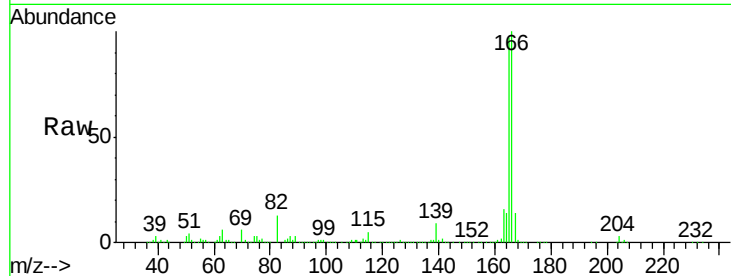
#57
 Fluorene
 Concen: 45.72 ng
 RT: 11.18 min Scan# 831
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	80.0	120.0
167	13.7	10.6	16.0

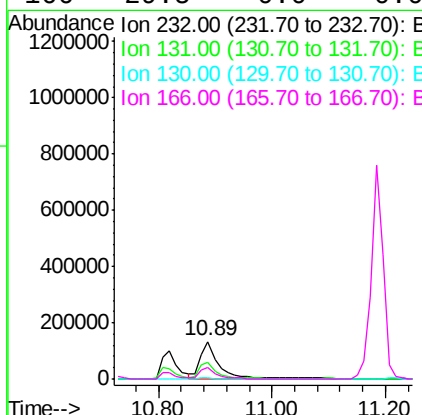
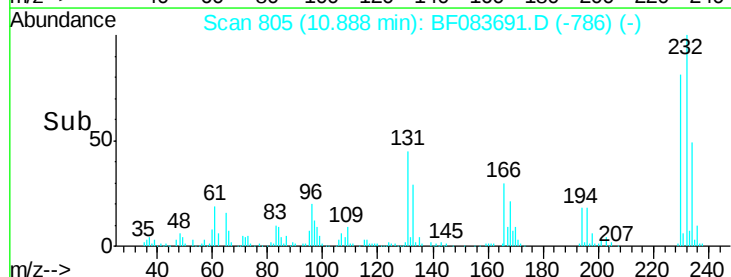
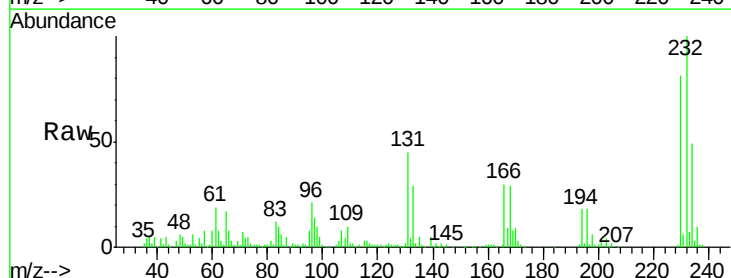
Manual Integrations
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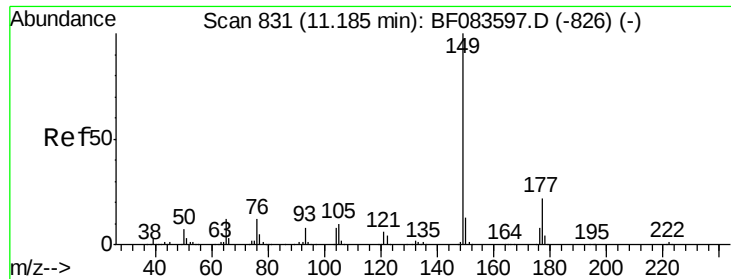
MMdadoda
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 56.03 ng
 RT: 10.89 min Scan# 805
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
232	100		
131	45.3	0.0	0.0#
130	2.5	0.0	0.0#
166	29.5	0.0	0.0#





#59

Diethylphthalate

Concen: 45.72 ng

RT: 11.10 min Scan# 824

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:149 Resp: 1151839

Ion Ratio Lower Upper

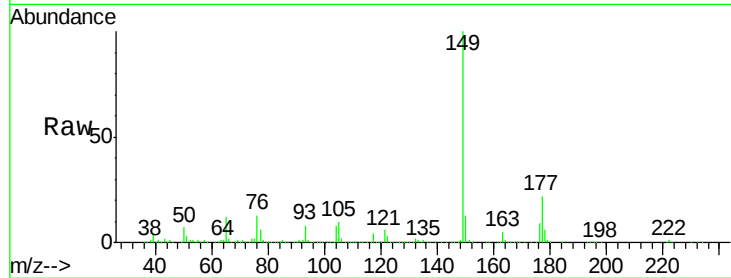
149 100

177 22.3 16.9 25.3

150 12.8 10.2 15.4

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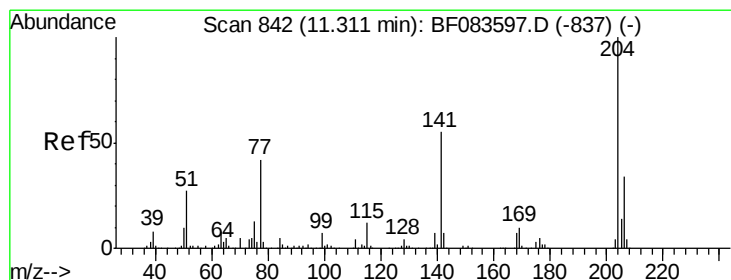
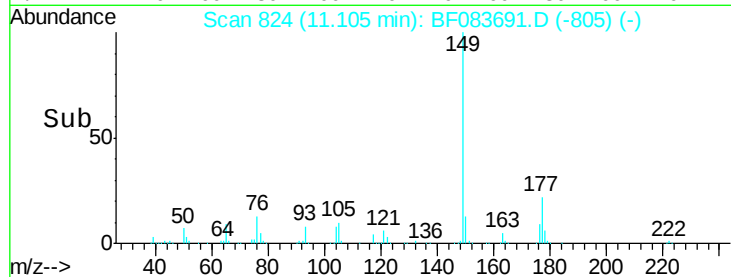
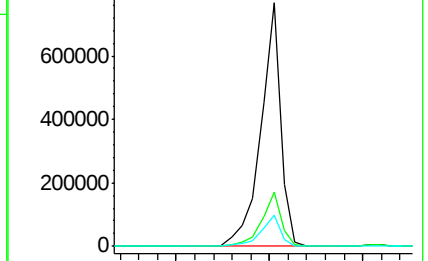
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.19 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.10 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

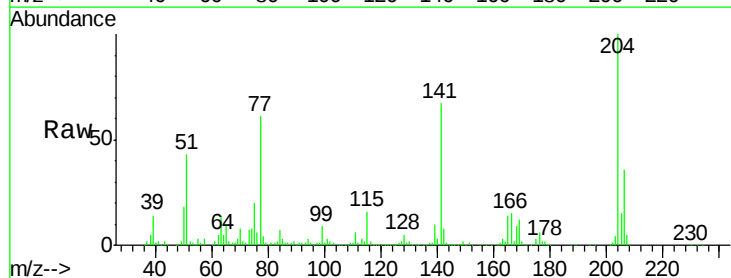
Tgt Ion:204 Resp: 525048

Ion Ratio Lower Upper

204 100

206 36.1 27.3 40.9

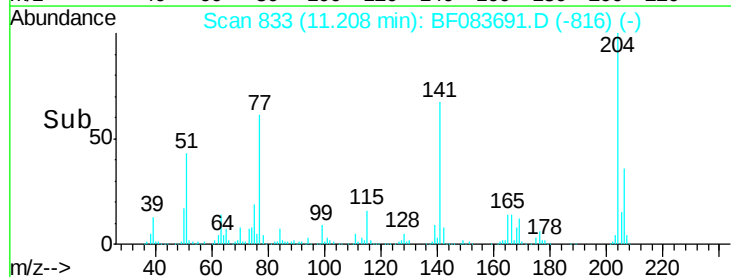
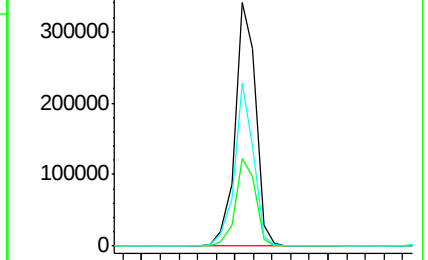
141 66.9 51.9 77.9

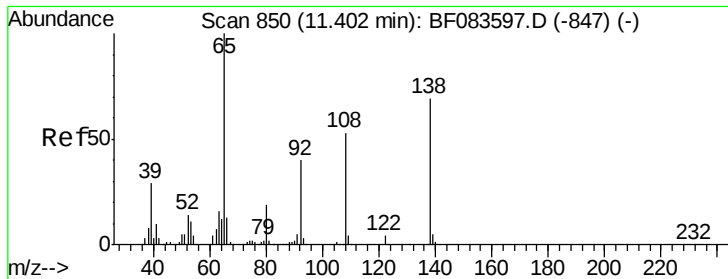


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





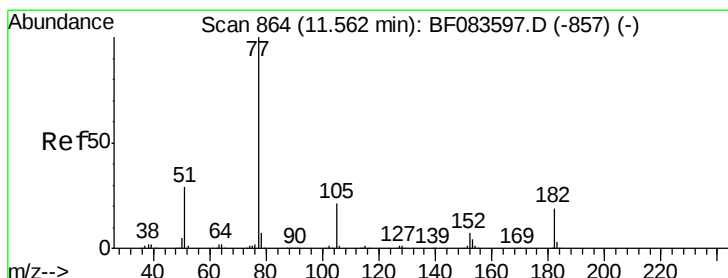
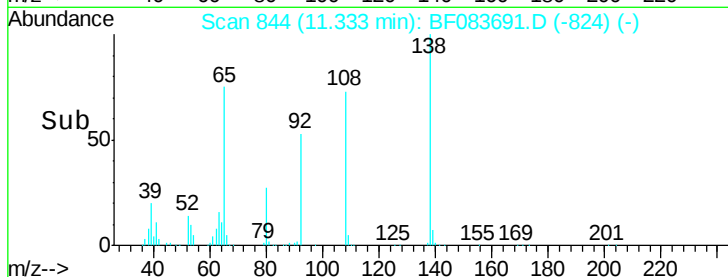
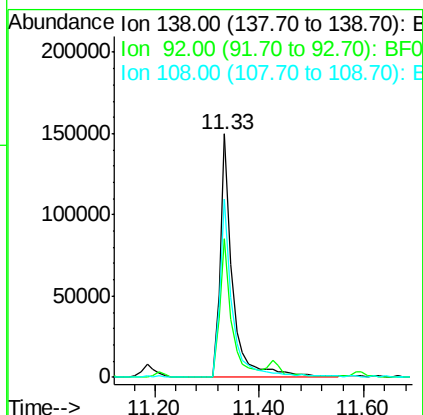
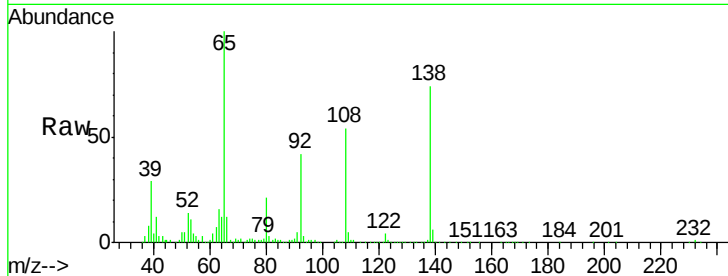
#61
4-Nitroaniline
Concen: 48.56 ng
RT: 11.33 min Scan# 844
Delta R.T. -0.07 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	57.0	29.0	69.0
108	73.4	47.4	87.4

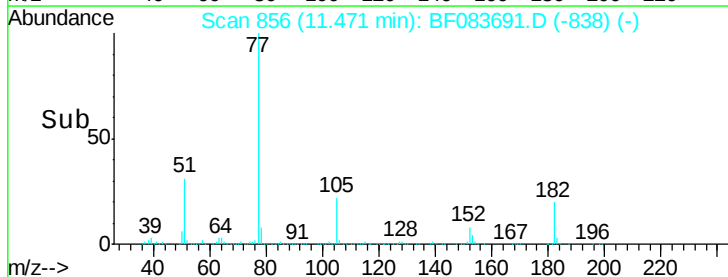
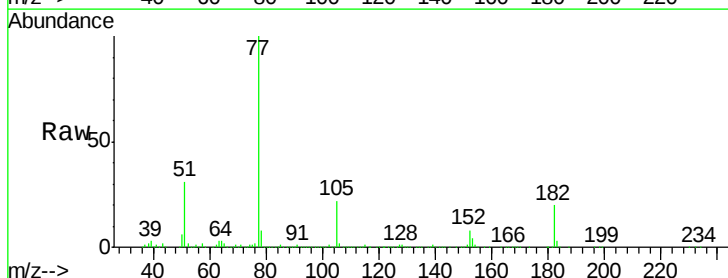
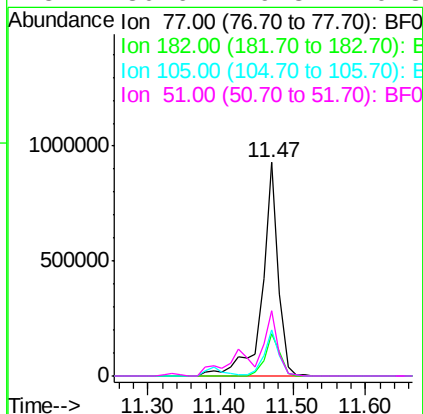
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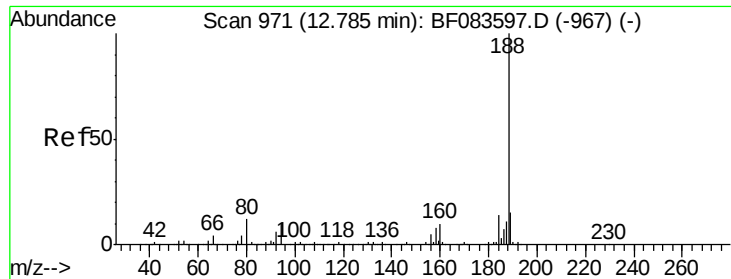
MMdadoda
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#62
Azobenzene
Concen: 52.13 ng
RT: 11.47 min Scan# 856
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.9	2.5	42.5
105	21.6	2.1	42.1
51	30.6	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 963

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

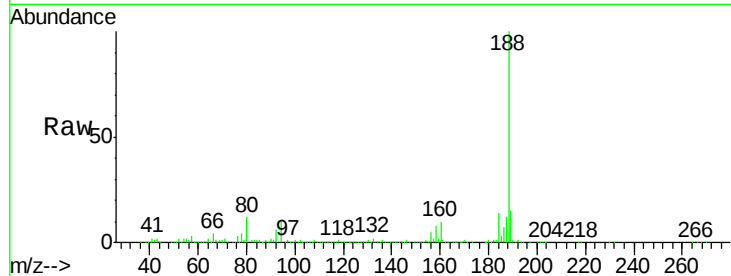
ClientSampleId :

SB-04MSD

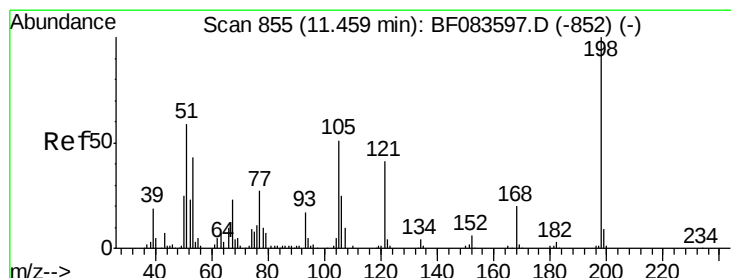
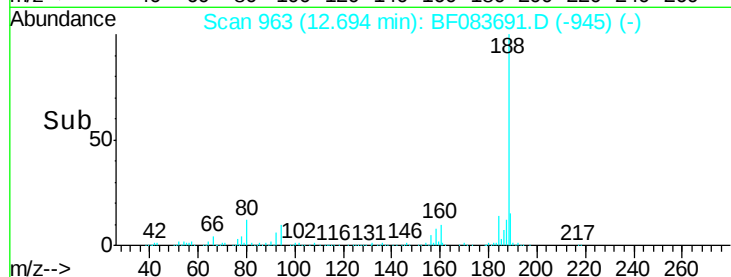
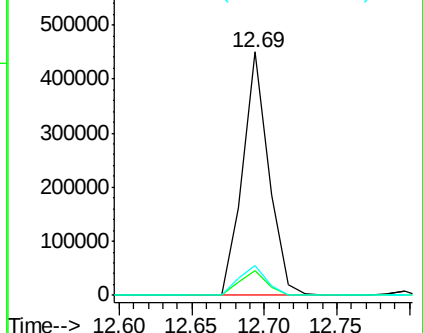
Tot Ion	Ratio	Resp	Lower	Upper
188	100	565625		
94	10.1		9.4	14.2
80	12.0		10.6	16.0

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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 39.08 ng

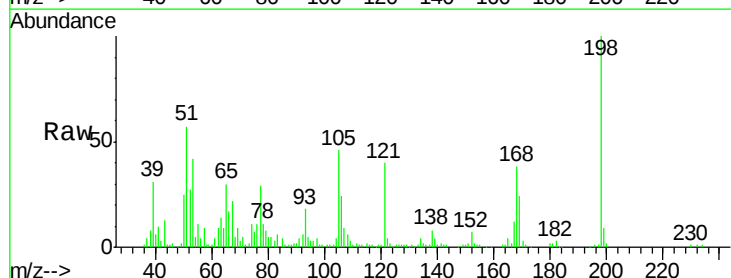
RT: 11.39 min Scan# 849

Delta R.T. -0.07 min

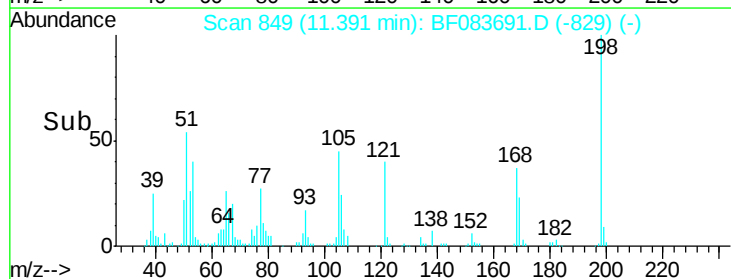
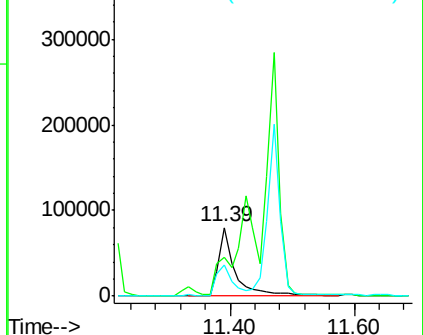
Lab File: BF083691.D

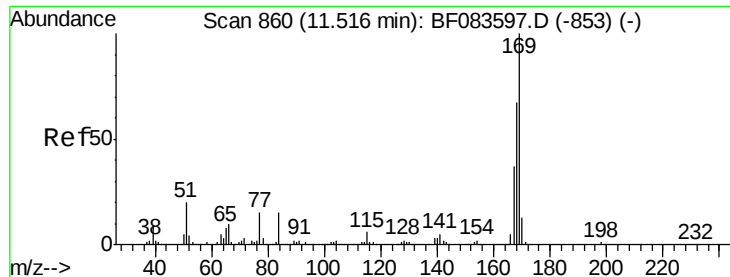
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	149166		
51	57.0		53.8	93.8
105	45.9		38.6	78.6



Abundance Ion 198.00 (197.70 to 198.70): E





#65

n-Nitrosodiphenylamine

Concen: 52.32 ng

RT: 11.42 min Scan# 852

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:169 Resp: 976769

Ion Ratio Lower Upper

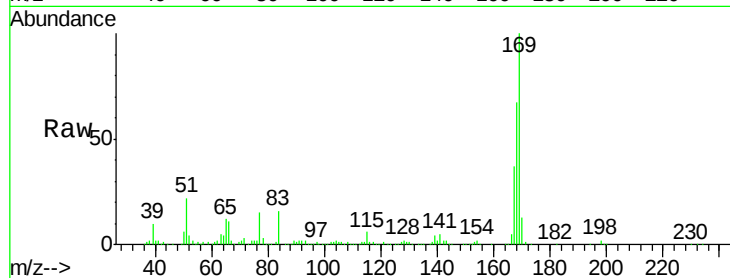
169 100

168 67.0 53.0 79.6

167 36.5 29.3 43.9

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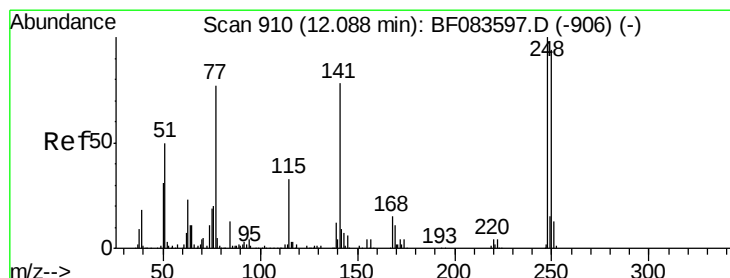
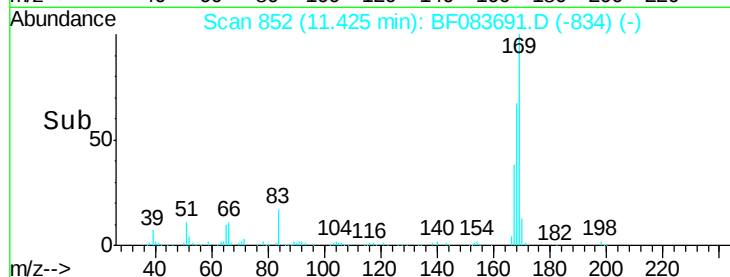
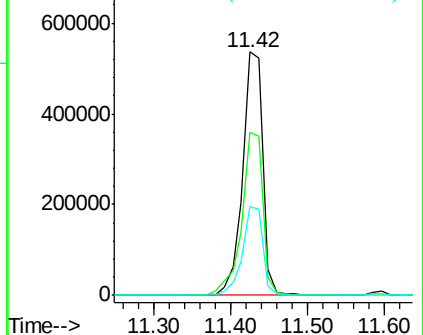
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.23 ng

RT: 12.00 min Scan# 902

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

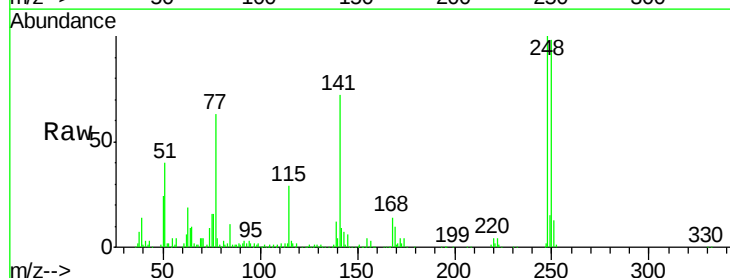
Tgt Ion:248 Resp: 297953

Ion Ratio Lower Upper

248 100

250 97.6 79.2 118.8

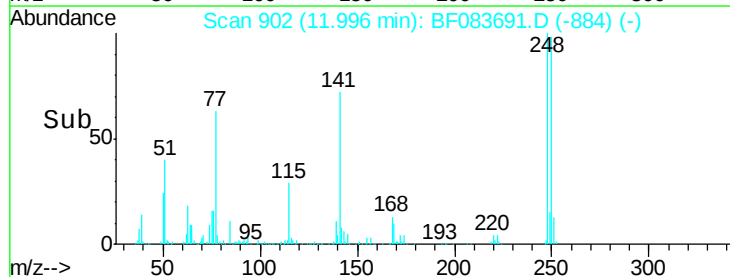
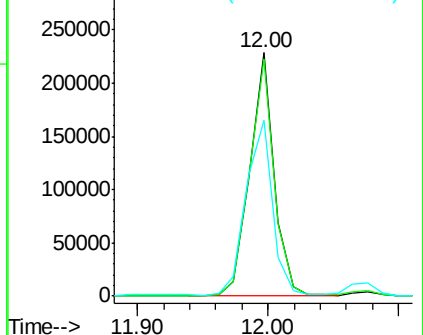
141 72.0 58.2 87.4

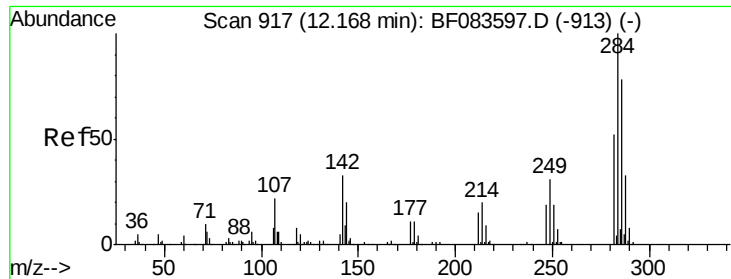


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 48.79 ng

RT: 12.08 min Scan# 909

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

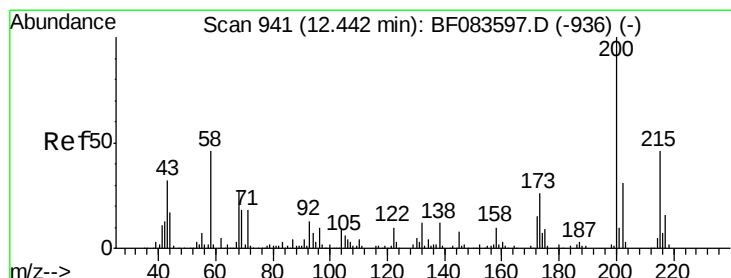
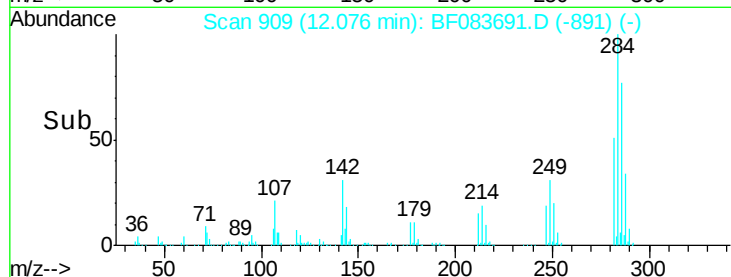
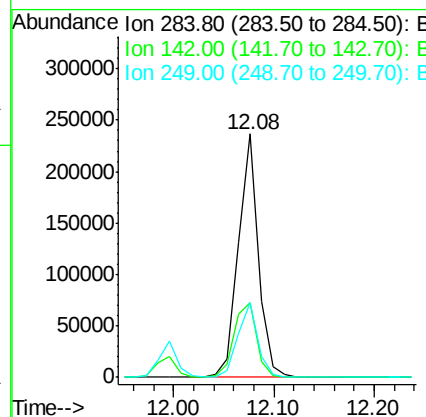
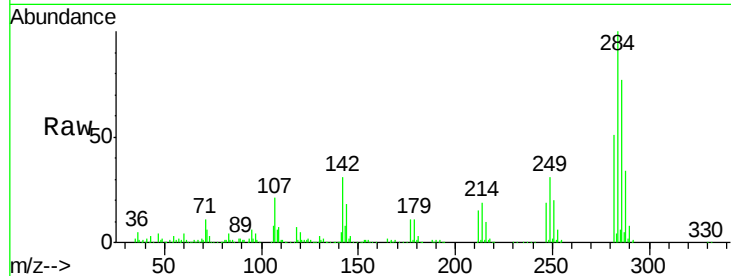
ClientSampleId :

SB-04MSD

Tot Ion:	284	Resp:	326550
Ion Ratio		Lower	Upper
284	100		
142	30.7	31.0	46.4#
249	30.7	26.9	40.3

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#68

Atrazine

Concen: 56.12 ng

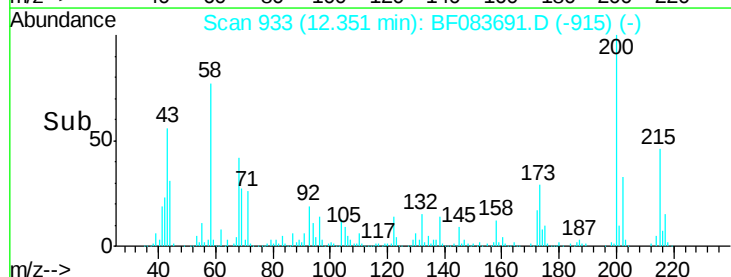
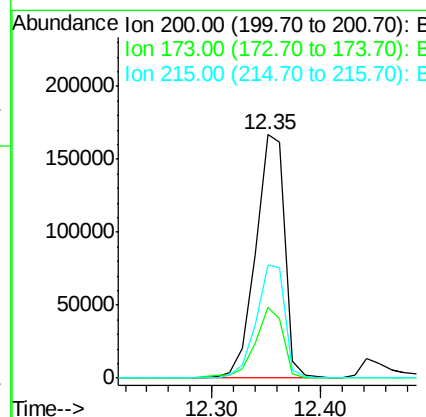
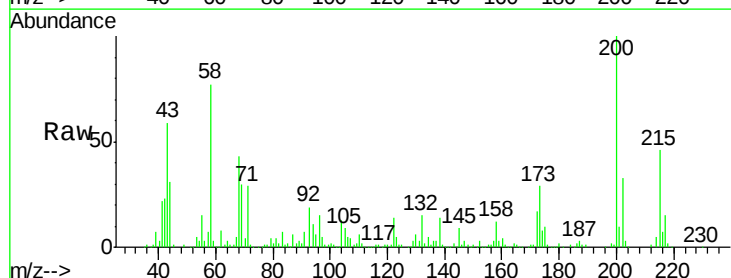
RT: 12.35 min Scan# 933

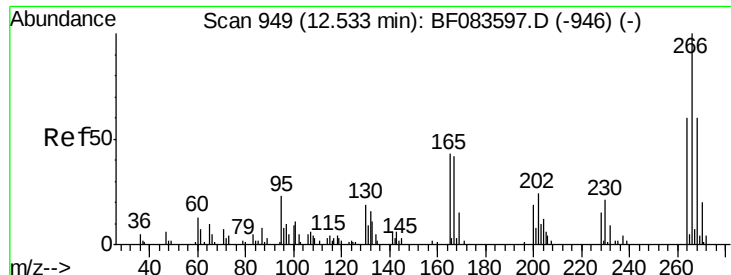
Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion:	200	Resp:	311713
Ion Ratio		Lower	Upper
200	100		
173	29.0	7.8	47.8
215	46.2	25.7	65.7





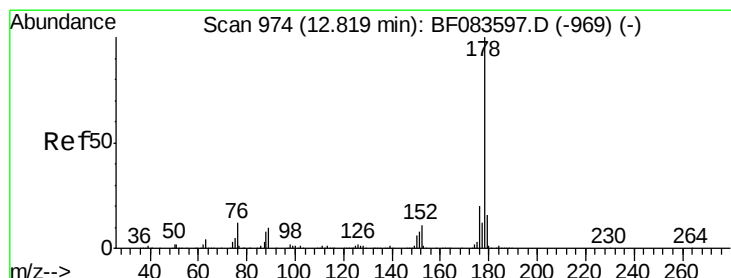
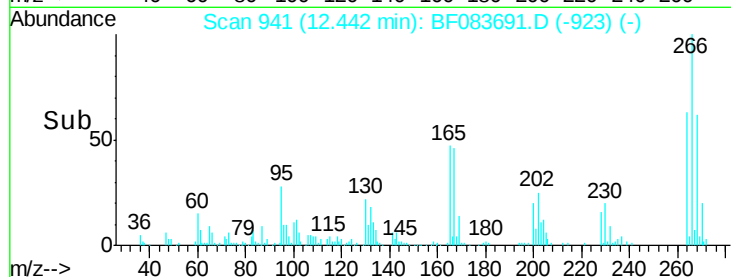
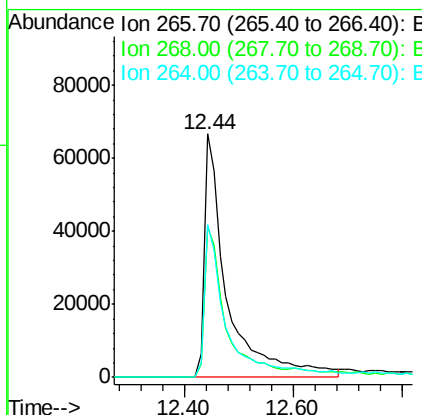
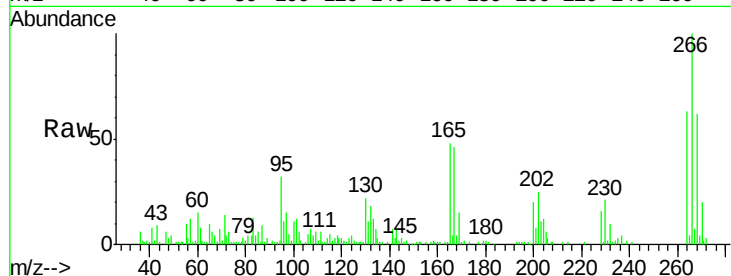
#69
 Pentachlorophenol
 Concen: 103.55 ng
 RT: 12.44 min Scan# 941
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	194015		
268	61.9	50.2	75.2	
264	62.6	51.4	77.2	

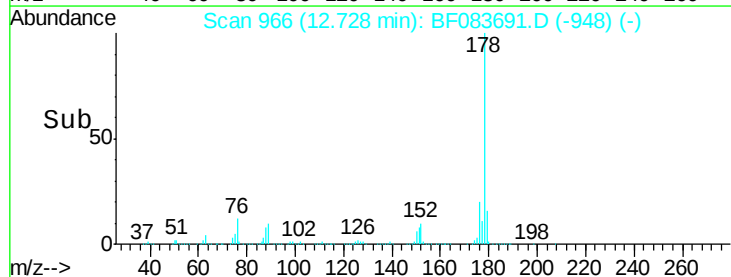
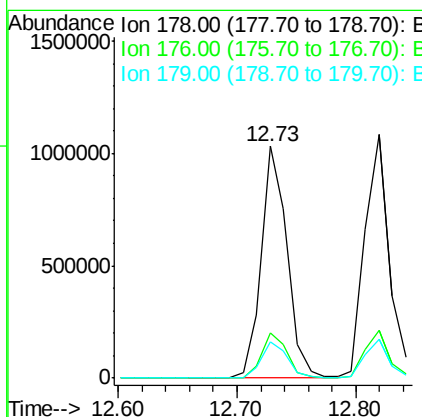
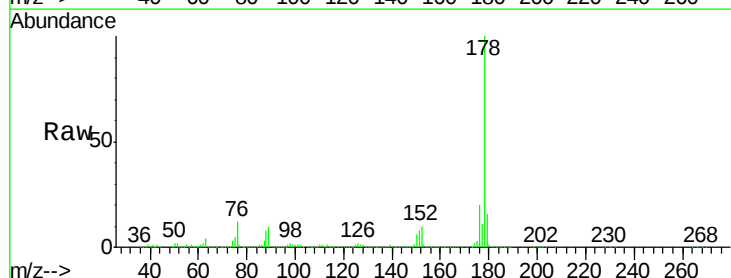
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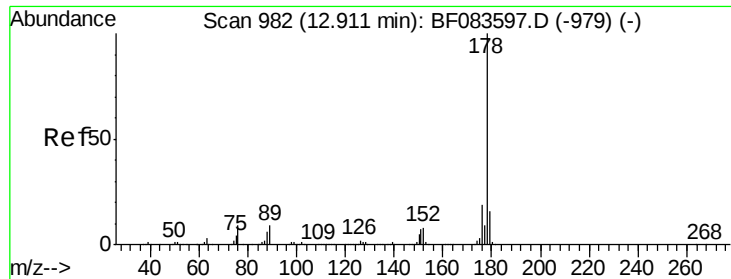
MMdadoda
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#70
 Phenanthrene
 Concen: 48.24 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1567799		
176	19.5	15.7	23.5	
179	15.8	12.2	18.4	





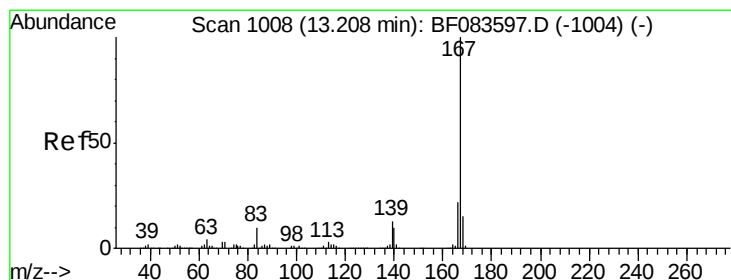
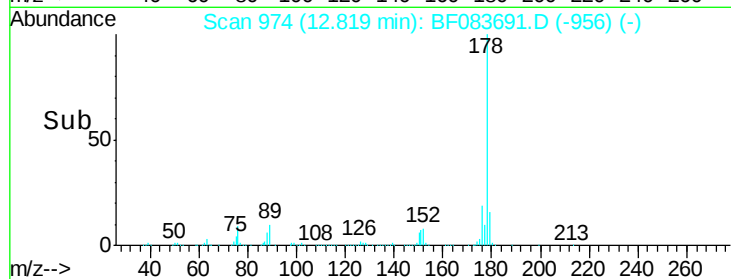
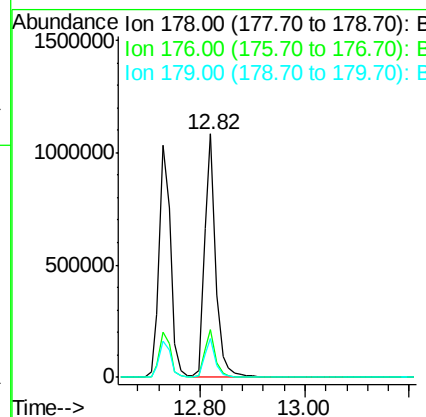
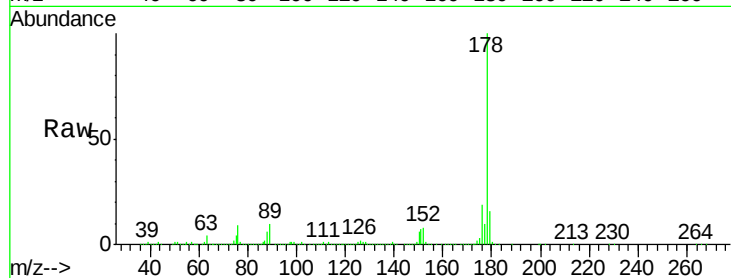
#71
 Anthracene
 Concen: 47.61 ng
 RT: 12.82 min Scan# 974
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.1	12.6	18.8

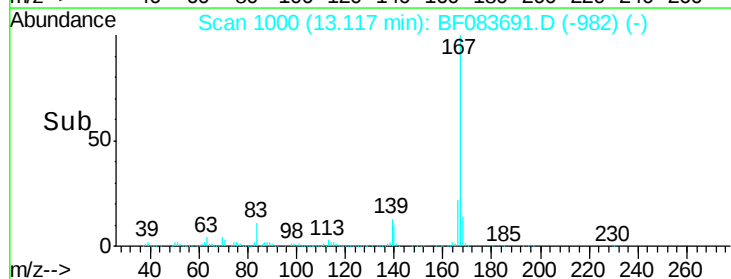
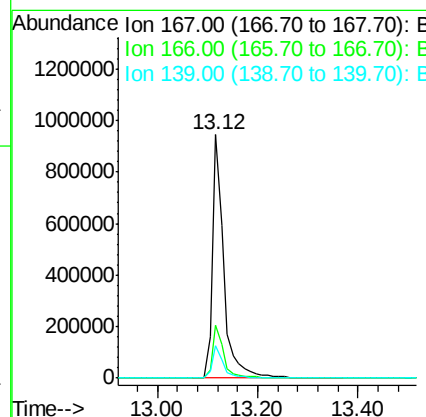
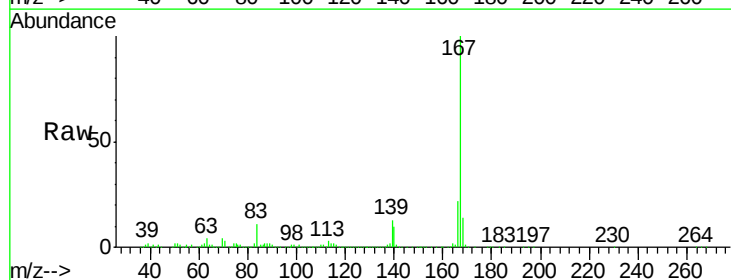
Manual Integrations
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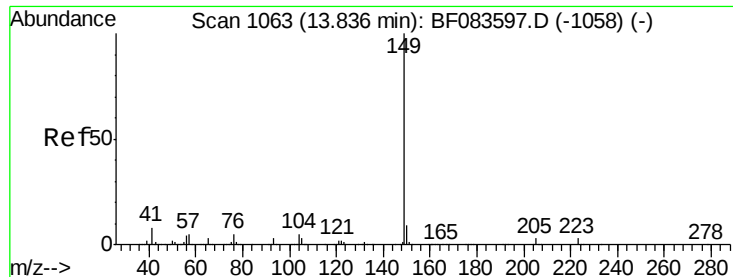
MMdadoda
 12/11/2015 6:01:42 PM



#72
 Carbazole
 Concen: 50.89 ng
 RT: 13.12 min Scan# 1000
 Delta R.T. -0.09 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.2	9.3	13.9





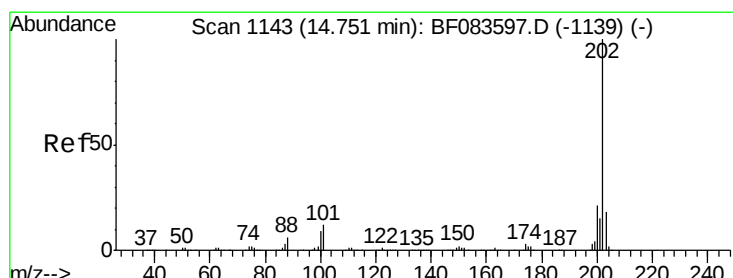
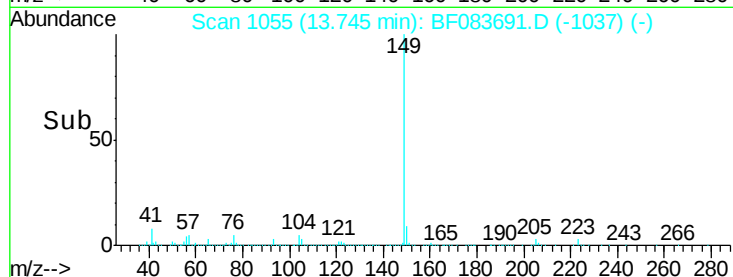
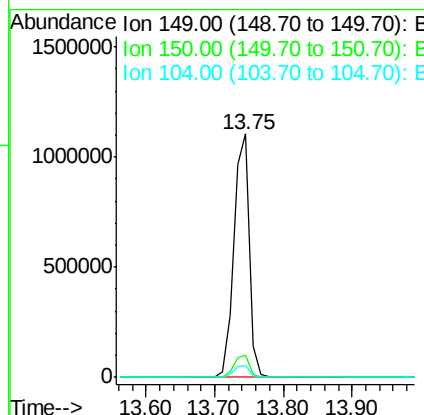
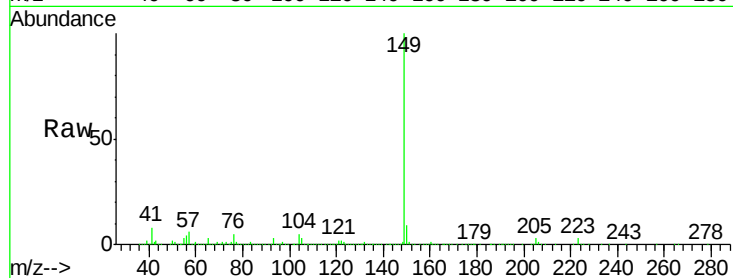
#73
Di-n-butylphthalate
Concen: 48.20 ng
RT: 13.75 min Scan# 1055
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
150	9.3	7.8	11.6		
104	4.8	3.9	5.9		

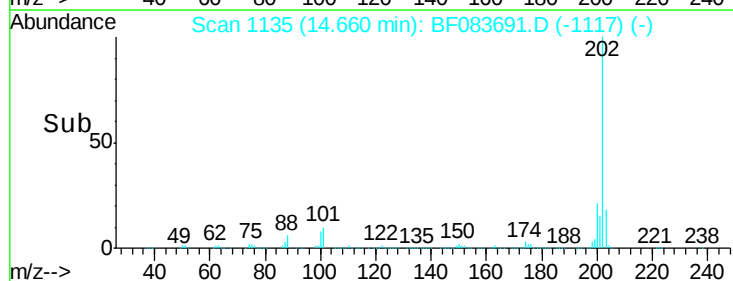
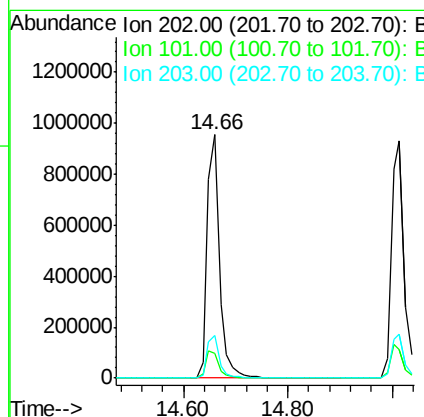
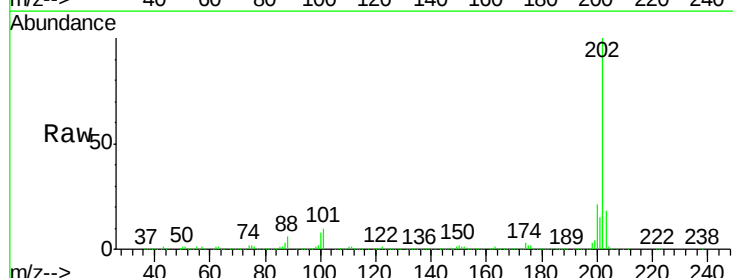
Manual Integrations
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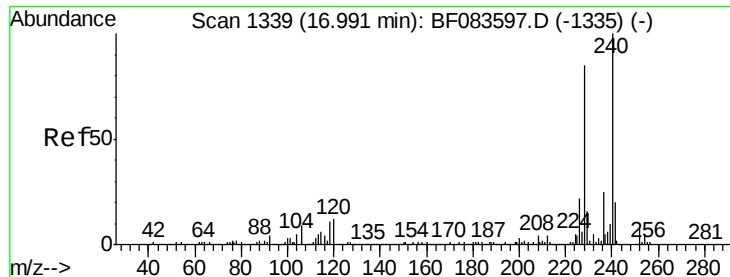
MMdadoda
12/11/2015 6:01:42 PM



#74
Fluoranthene
Concen: 47.00 ng
RT: 14.66 min Scan# 1135
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.4	0.0	31.5		
203	17.7	0.0	37.6		





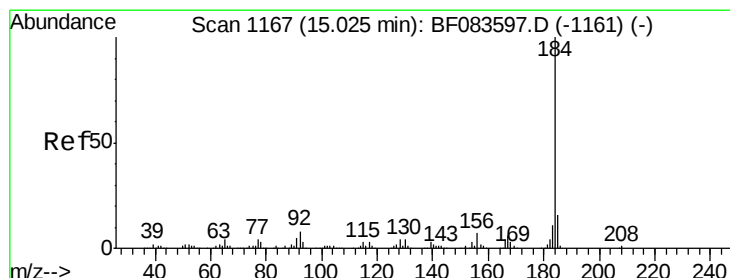
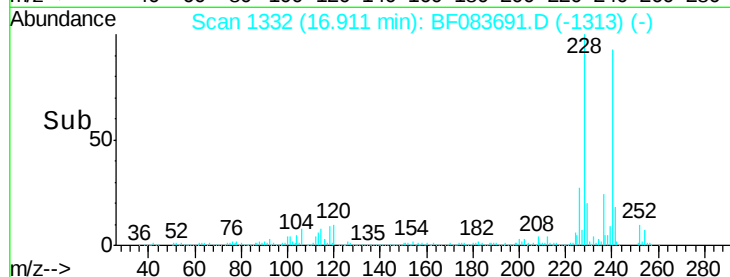
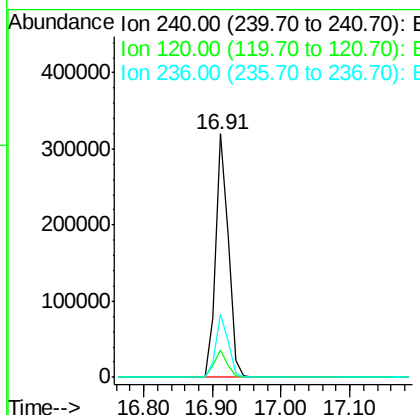
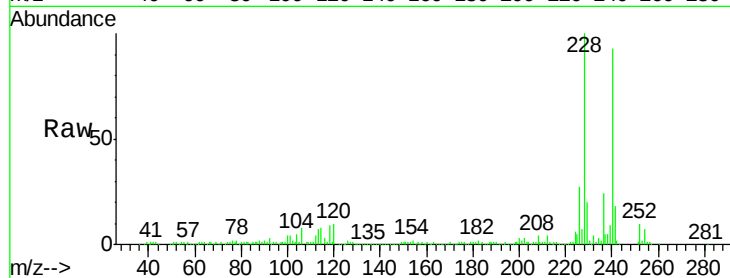
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.91 min Scan# 1332
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.2	8.1	12.1	
236	25.8	20.8	31.2	

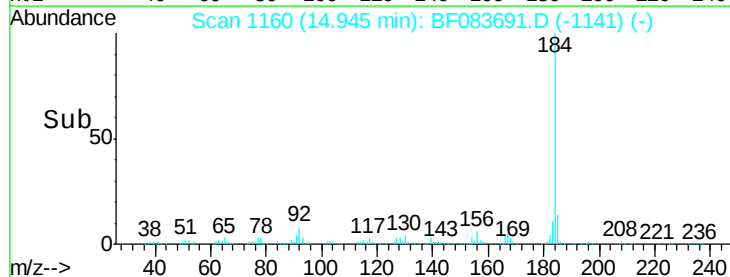
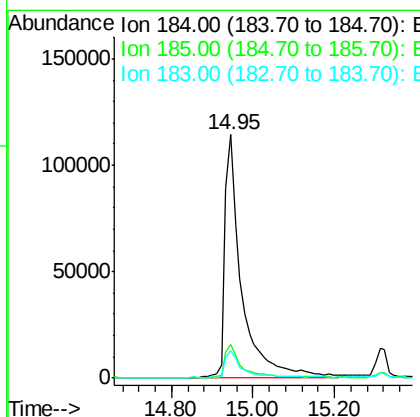
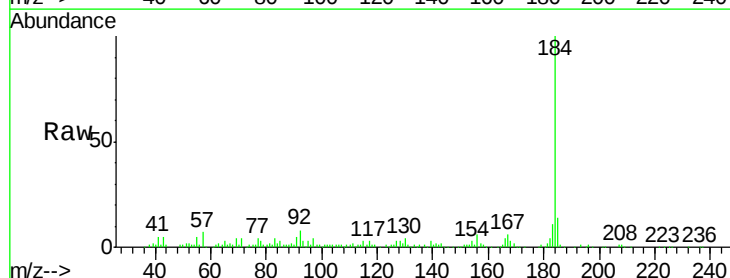
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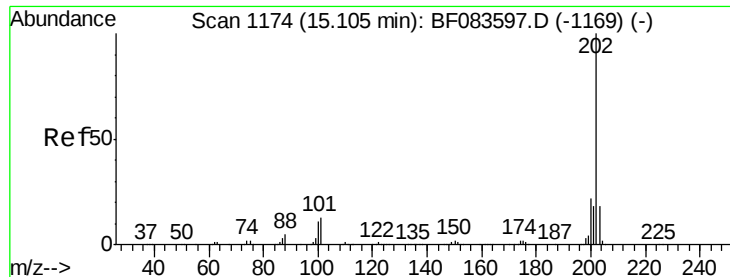
MMdadoda
 12/11/2015 6:01:42 PM



#76
 Benzidine
 Concen: 24.97 ng
 RT: 14.95 min Scan# 1160
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	13.9	13.0	19.6	
183	11.5	9.0	13.4	





#77

Pvrene

Concen: 51.08 ng

RT: 15.01 min Scan# 1166

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:202 Resp: 1557969

Ion Ratio Lower Upper

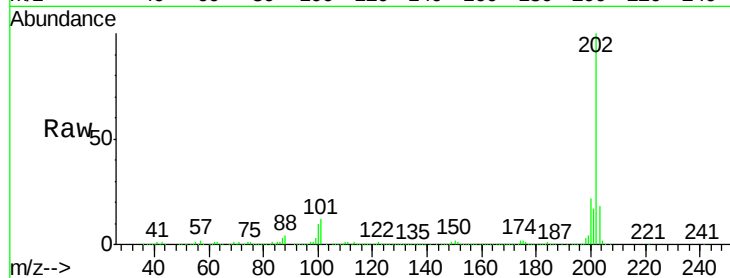
202 100

200 21.8 16.7 25.1

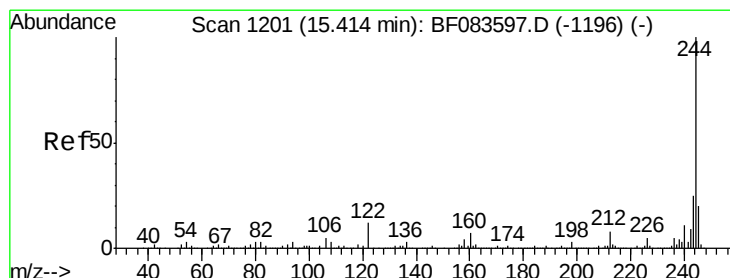
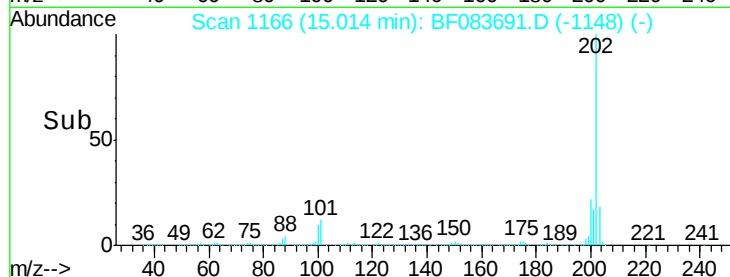
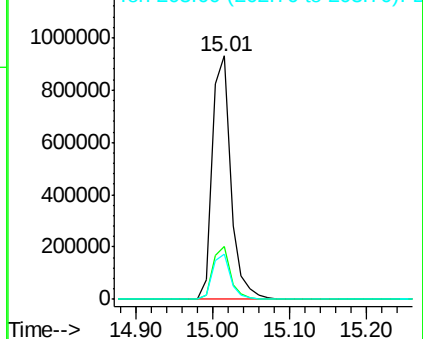
203 18.4 14.3 21.5

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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: 98.17 ng

RT: 15.32 min Scan# 1193

Delta R.T. -0.09 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

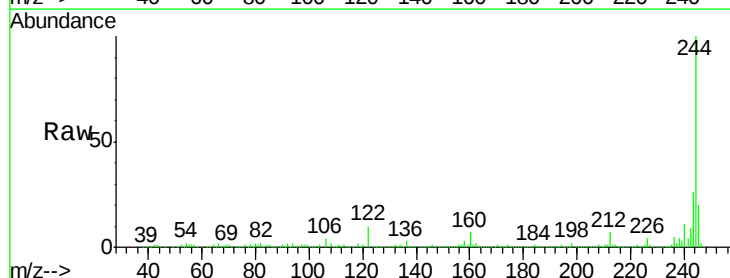
Tgt Ion:244 Resp: 1767637

Ion Ratio Lower Upper

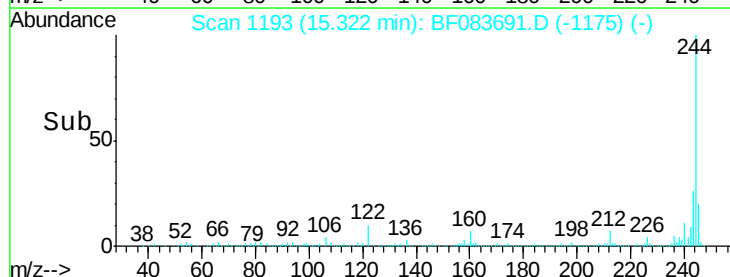
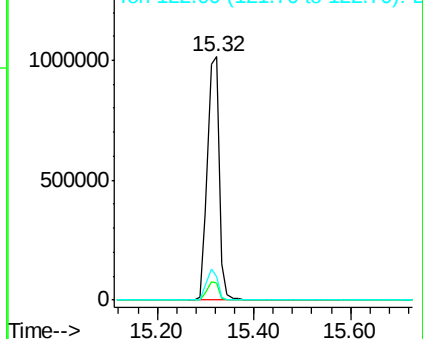
244 100

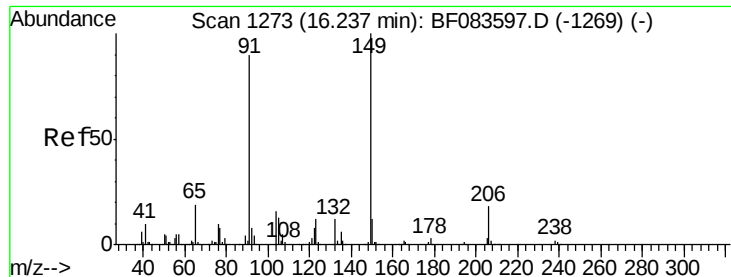
212 7.2 6.1 9.1

122 9.7 11.0 16.6#



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





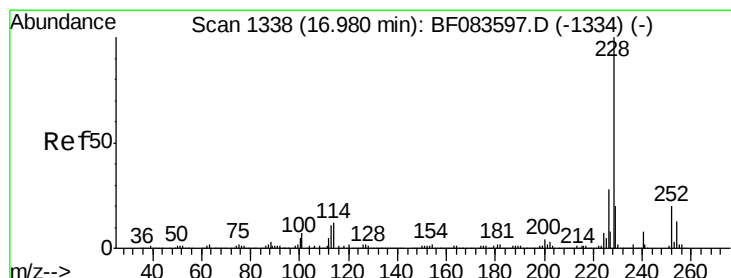
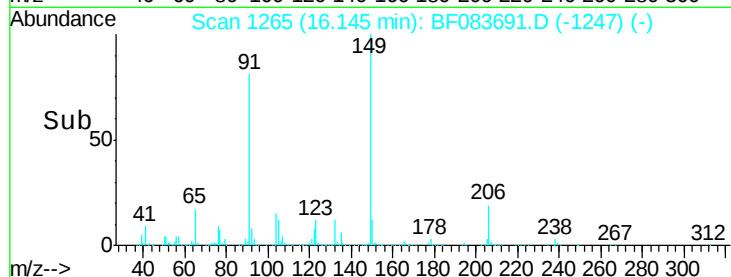
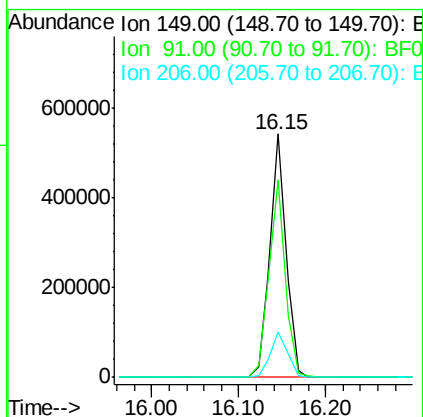
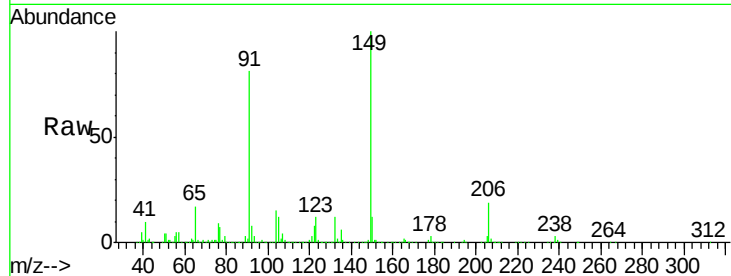
#79
Butylbenzylphthalate
Concen: 51.98 ng
RT: 16.15 min Scan# 1265
Delta R.T. -0.09 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	703690		
91	81.4	60.0	90.0	
206	18.8	16.2	24.4	

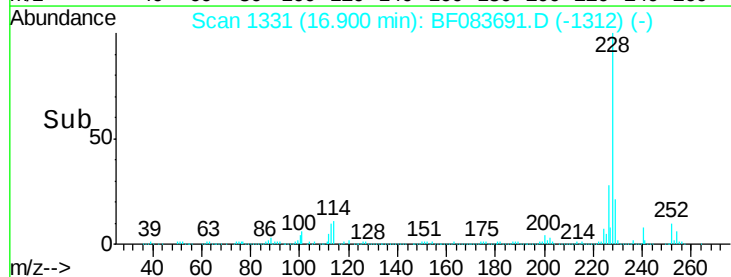
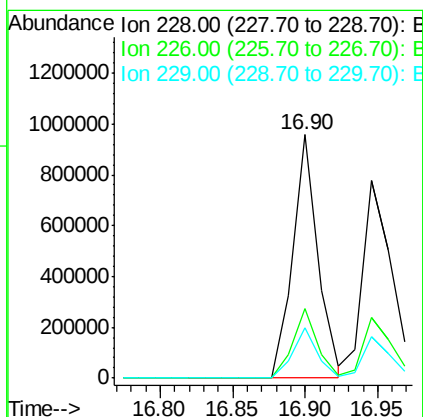
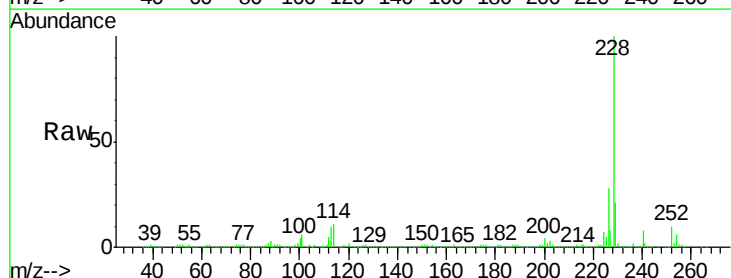
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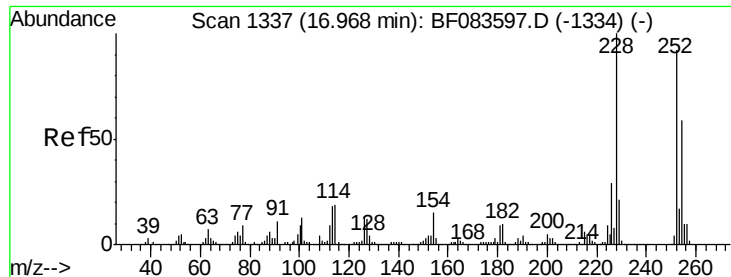
MMdadoda
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#80
Benzo(a)anthracene
Concen: 46.32 ng
RT: 16.90 min Scan# 1331
Delta R.T. -0.08 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1148511		
226	28.3	22.3	33.5	
229	20.6	15.7	23.5	





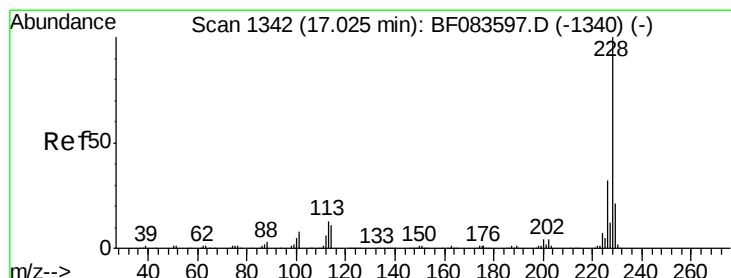
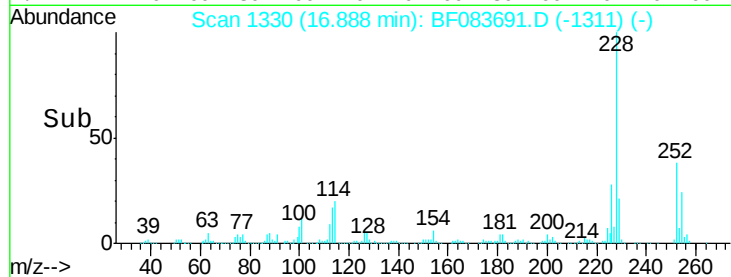
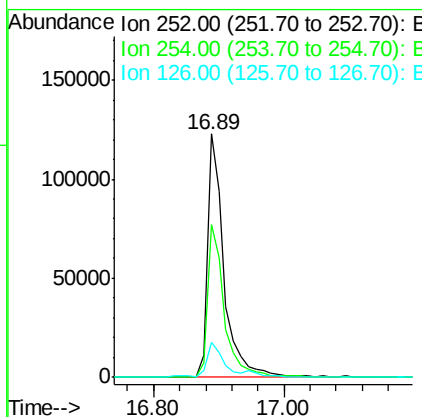
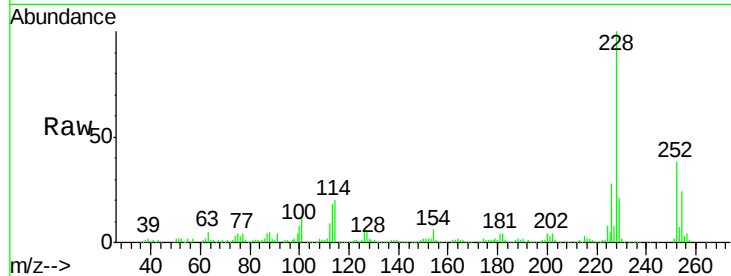
#81
 3,3'-Dichlorobenzidine
 Concen: 25.82 ng
 RT: 16.89 min Scan# 1330
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	216275		
254	62.7	50.6	76.0	
126	14.6	11.0	16.4	

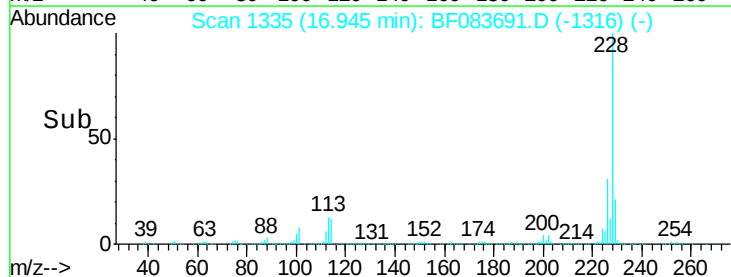
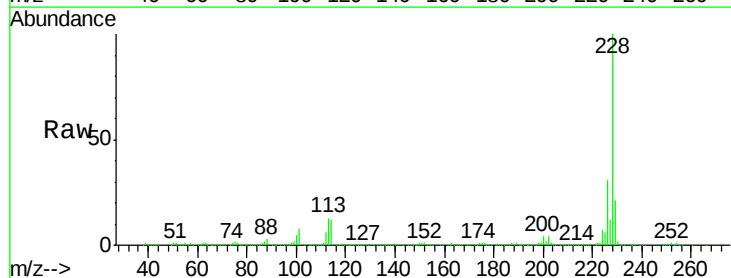
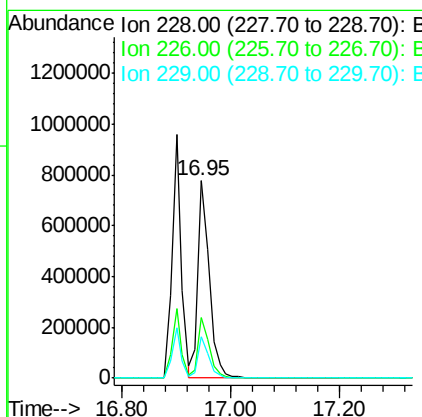
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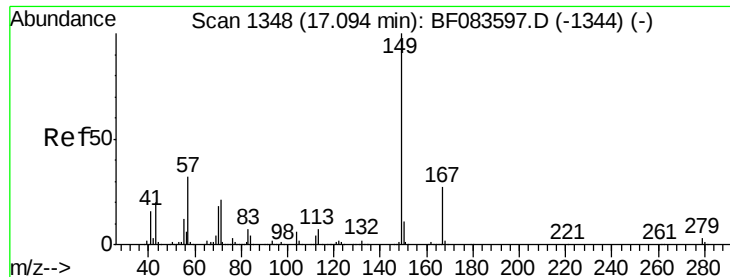
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#82
 Chrysene
 Concen: 45.07 ng
 RT: 16.95 min Scan# 1335
 Delta R.T. -0.08 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1120492		
226	30.9	24.7	37.1	
229	20.7	16.3	24.5	





#83

Bis(2-ethylhexyl)phthalate

Concen: 50.96 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

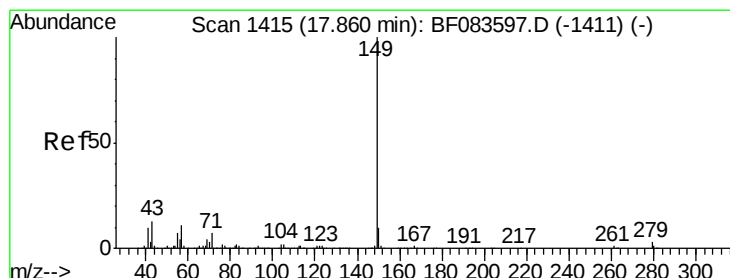
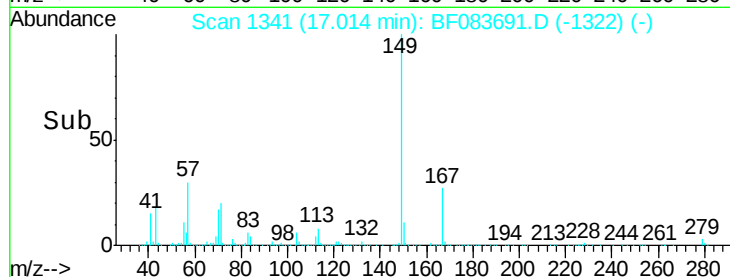
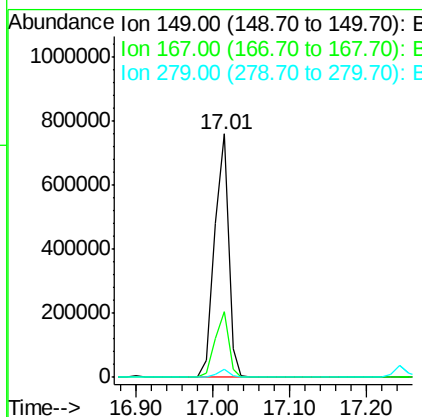
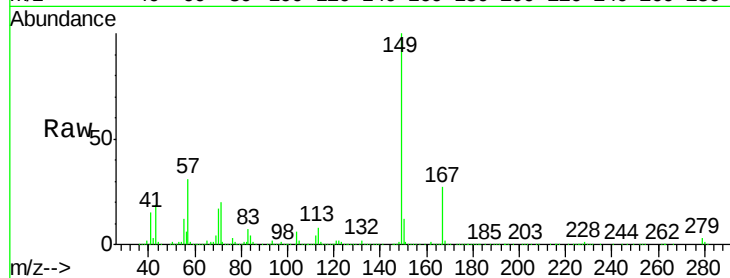
ClientSampleId :

SB-04MSD

Tot Ion:	149	Resp:	957481
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.8	32.8
279	3.2	3.0	4.4

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#84

Di-n-octyl phthalate

Concen: 51.46 ng

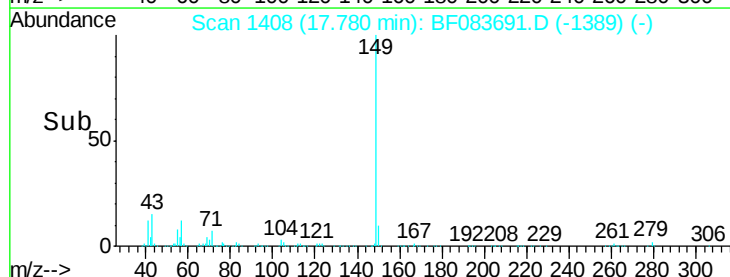
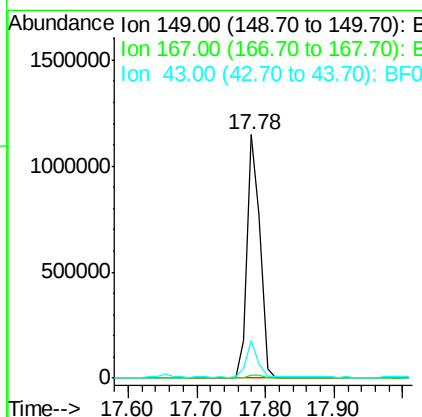
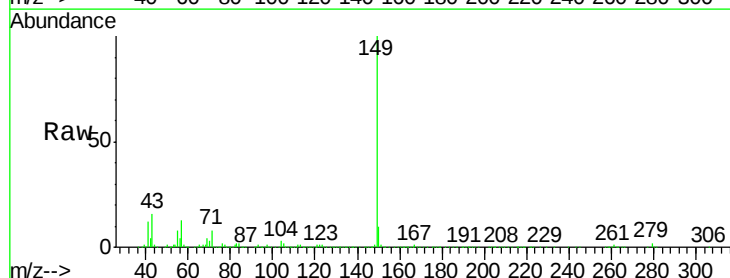
RT: 17.78 min Scan# 1408

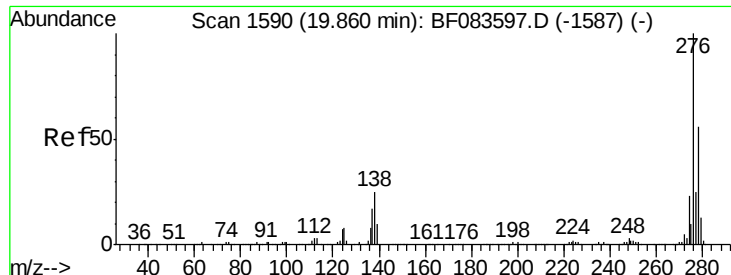
Delta R.T. -0.08 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion:	149	Resp:	1477624
Ion Ratio	Lower	Upper	
149	100		
167	1.6	0.0	0.0#
43	13.6	0.0	0.0#





#85

Indeno(1,2,3-cd)pyrene

Concen: 59.97 ng

RT: 19.76 min Scan# 1581

Delta R.T. -0.10 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-04MSD

Tot Ion:276 Resp: 1006214

Ion Ratio Lower Upper

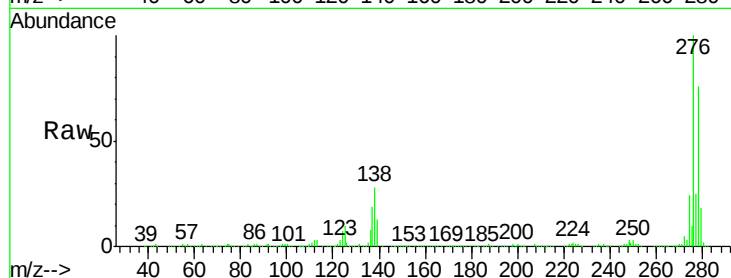
276 100

138 26.1 0.0 0.0#

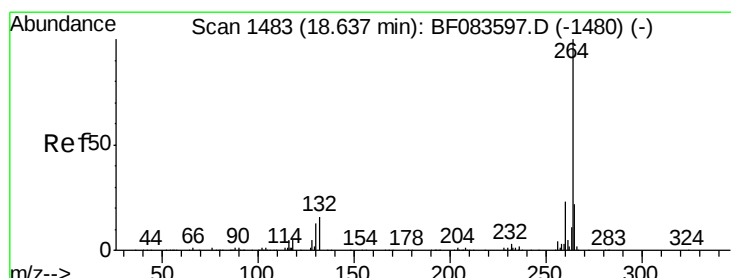
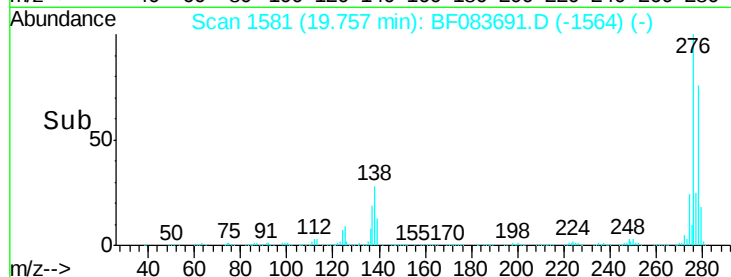
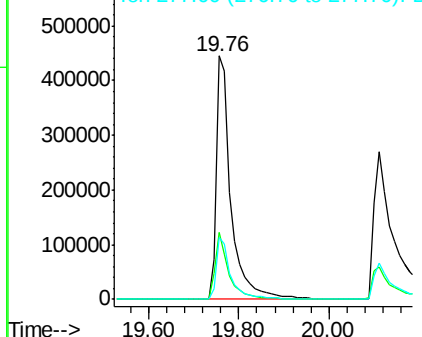
277 25.0 0.0 0.0#

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.07 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

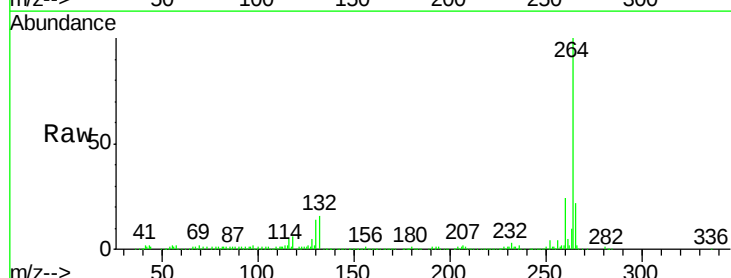
Tgt Ion:264 Resp: 350953

Ion Ratio Lower Upper

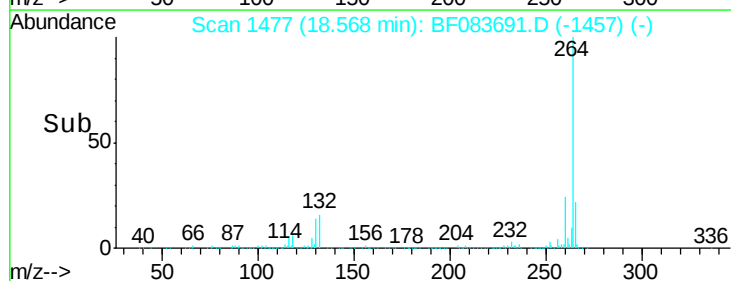
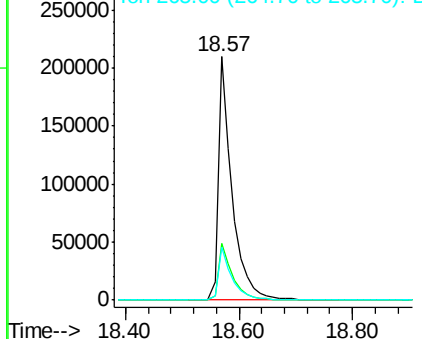
264 100

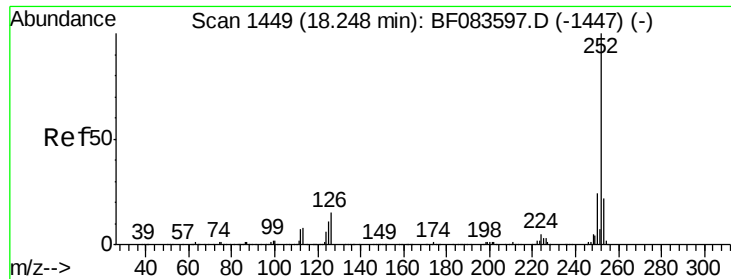
260 23.6 19.4 29.0

265 21.7 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 56.07 ng m

RT: 18.18 min Scan# 1443

Delta R.T. -0.07 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Instrument :

BNA_F

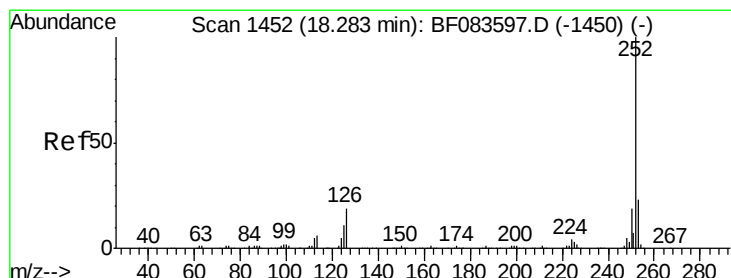
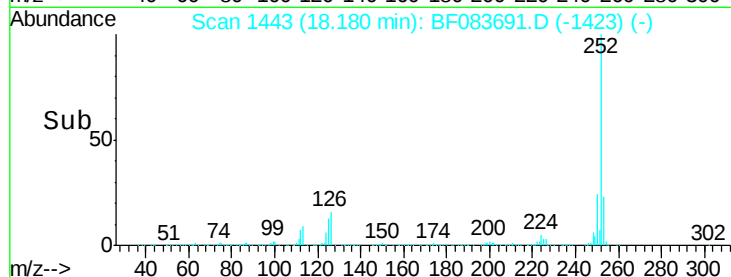
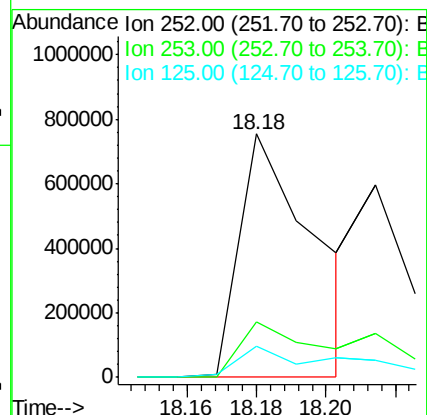
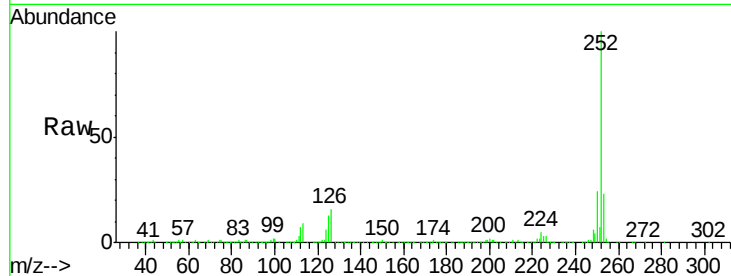
ClientSampleId :

SB-04MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	12.7	8.2	12.4

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#88

Benzo(k)fluoranthene

Concen: 35.20 ng m

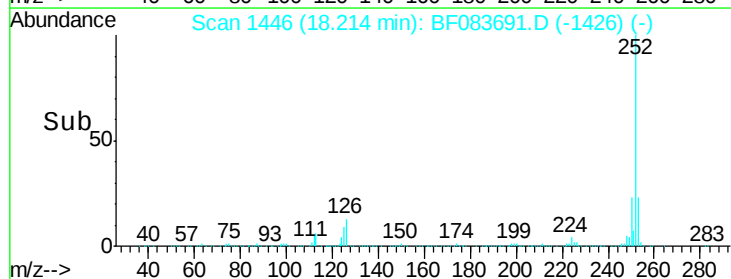
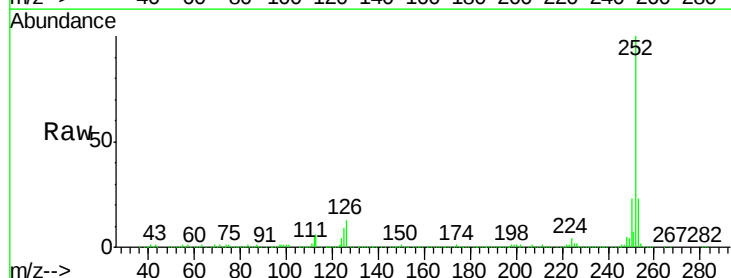
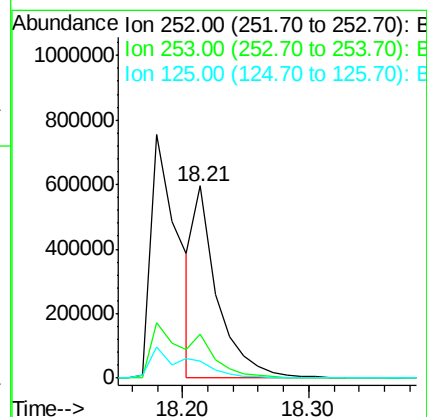
RT: 18.21 min Scan# 1446

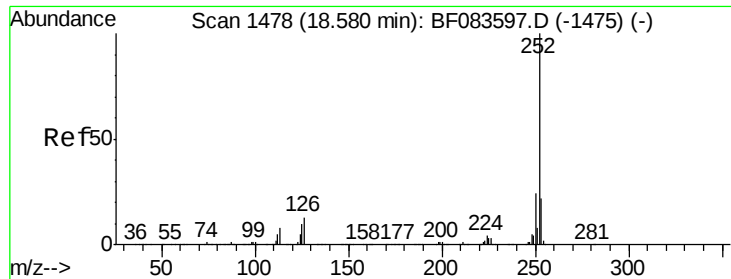
Delta R.T. -0.07 min

Lab File: BF083691.D

Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	27.8
125	9.0	11.5	17.3





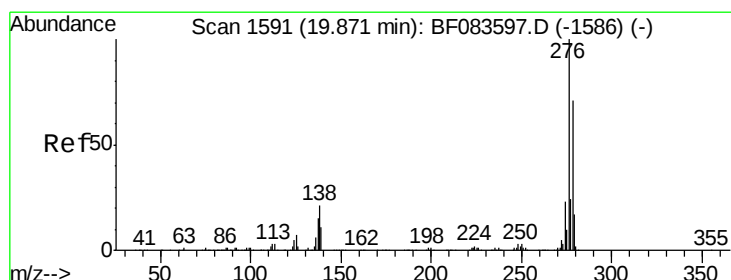
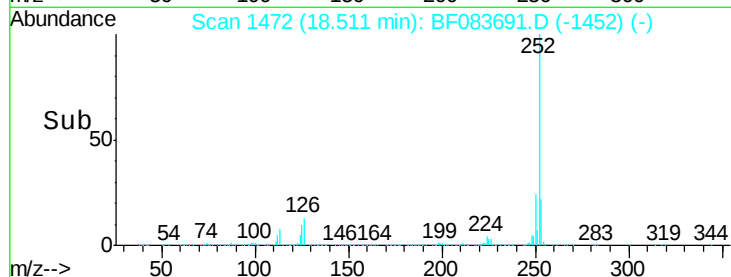
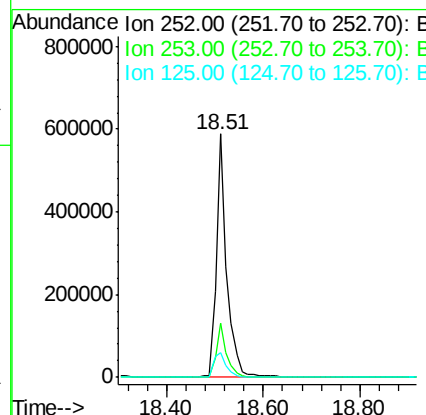
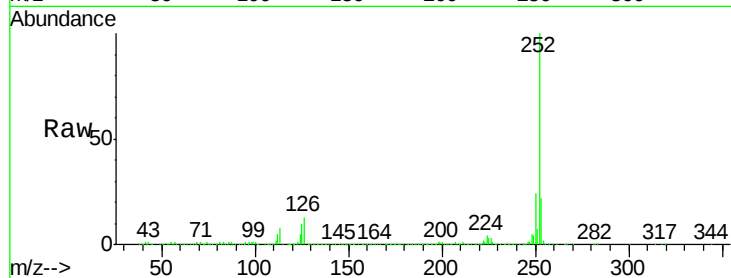
#89
Benzo(a)pyrene
Concen: 45.60 ng
RT: 18.51 min Scan# 1472
Delta R.T. -0.07 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Instrument :
BNA_F
ClientSampleId :
SB-04MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.1	11.0	16.6

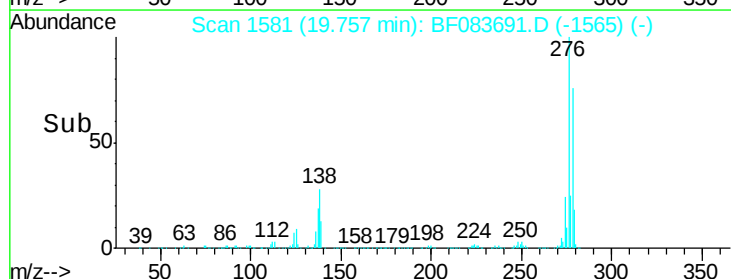
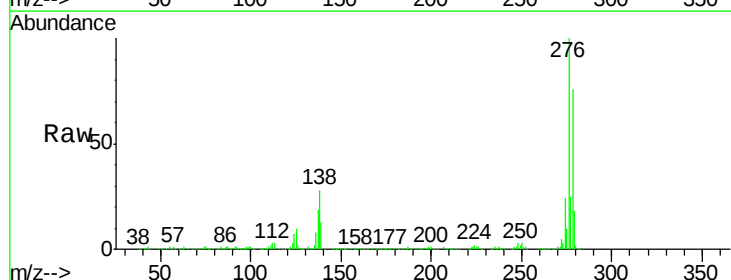
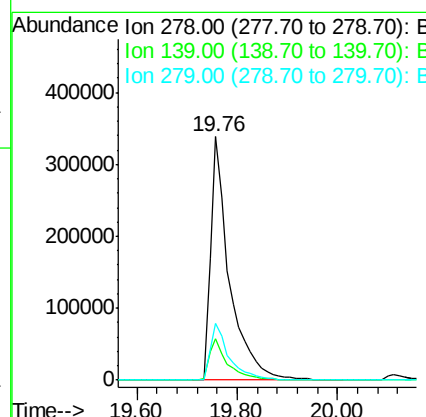
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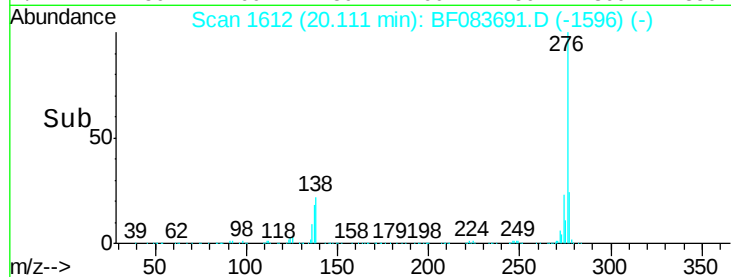
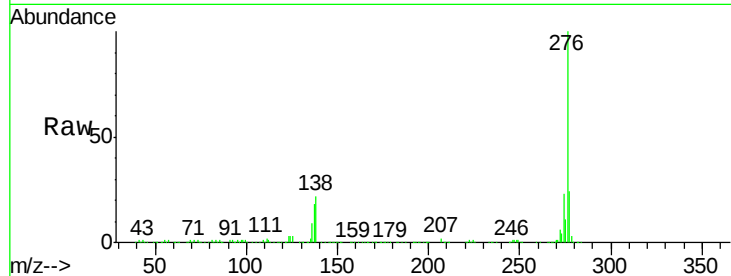
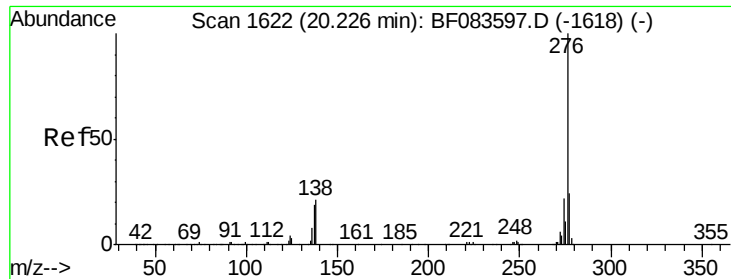
MMdadoda
12/11/2015 6:01:42 PM



#90
Dibenzo(a,h)anthracene
Concen: 58.51 ng
RT: 19.76 min Scan# 1581
Delta R.T. -0.11 min
Lab File: BF083691.D
Acq: 10 Dec 2015 22:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	12.8	19.2
279	23.4	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 58.98 ng
 RT: 20.11 min Scan# 1612
 Delta R.T. -0.11 min
 Lab File: BF083691.D
 Acq: 10 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-04MSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	857494		
277	24.3		19.2	28.8
138	21.8		19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:01:42 PM

