

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110715\
 Data File : BF082768.D
 Acq On : 6 Nov 2015 18:31
 Operator : UM/IZ
 Sample : PB86421BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:10:28 PM

Quant Time: Nov 07 03:19:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	152450	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	563446	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	446306	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	575588	20.00	ng	0.00
75) Chrysene-d12	14.01	240	496874	20.00	ng	-0.01
86) Perylene-d12	15.44	264	484890	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1449775	147.97	ng	0.01
7) Phenol-d6	6.49	99	1508905	115.84	ng	0.01
23) Nitrobenzene-d5	7.41	82	1043183	80.56	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	423283	82.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2268422	72.85	ng	0.00
78) Terphenyl-d14	12.96	244	1871798	89.35	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.53	88	244266	57.78	ng	97
3) Pyridine	3.24	79	670077	54.62	ng	94
4) n-Nitrosodimethylamine	3.18	42	341596	56.14	ng	# 71
6) Aniline	6.51	93	312533	17.09	ng	99
8) 2-Chlorophenol	6.64	128	438172	40.34	ng	88
9) Benzaldehyde	6.38	77	45336	6.30	ng	98
10) Phenol	6.50	94	594556	40.23	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	439097	39.73	ng	87
12) 1,3-Dichlorobenzene	6.80	146	441343m	36.03	ng	
13) 1,4-Dichlorobenzene	6.86	146	445351	34.94	ng	98
14) 1,2-Dichlorobenzene	7.02	146	464417	40.07	ng	99
15) Benzyl Alcohol	6.99	79	417486	36.50	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	647693	39.95	ng	94
17) 2-Methylphenol	7.10	107	361062	39.25	ng	97
18) Hexachloroethane	7.37	117	171555	37.63	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	365671	38.19	ng	90
20) 3+4-Methylphenols	7.26	107	477835	39.95	ng	98
22) Acetophenone	7.26	105	633803	39.26	ng	# 90
24) Nitrobenzene	7.44	77	548844	41.45	ng	99
25) Isophorone	7.68	82	925206	38.62	ng	99
26) 2-Nitrophenol	7.76	139	221899	40.15	ng	# 59
27) 2,4-Dimethylphenol	7.79	122	380799	38.34	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	552045	40.85	ng	100
29) 2,4-Dichlorophenol	8.00	162	403932	45.00	ng	94
30) 1,2,4-Trichlorobenzene	8.08	180	385381	38.18	ng	98
31) Naphthalene	8.16	128	1157589	37.24	ng	99
32) Benzoic acid	7.92	122	265751	39.08	ng	94
33) 4-Chloroaniline	8.20	127	156421	11.68	ng	91
34) Hexachlorobutadiene	8.28	225	240488	38.07	ng	99
35) Caprolactam	8.57	113	131494m	46.47	ng	
36) 4-Chloro-3-methylphenol	8.69	107	531133	50.32	ng	90
37) 2-Methylnaphthalene	8.85	142	1140060	56.69	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	601682	41.02	ng	99
40) Hexachlorocyclopentadiene	9.01	237	692484	87.88	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	421006	38.46	nq	96
43) 2,4,5-Trichlorophenol	9.17	196	415740	38.40	nq	# 89
45) 1,1'-Biphenyl	9.32	154	1227638	32.06	nq	98
46) 2-Chloronaphthalene	9.34	162	963015	32.24	nq	94
47) 2-Nitroaniline	9.42	65	371721	33.54	nq	91
48) Acenaphthylene	9.76	152	1934297	41.32	nq	100
49) Dimethylphthalate	9.62	163	1390988	38.04	nq	100
50) 2,6-Dinitrotoluene	9.68	165	340296	43.62	nq	# 85
51) Acenaphthene	9.93	154	1206735	40.67	nq	99
52) 3-Nitroaniline	9.84	138	156010	18.18	nq	# 84
53) 2,4-Dinitrophenol	9.95	184	337121	78.70	nq	# 20
54) Dibenzofuran	10.10	168	1299146	32.48	nq	93
55) 4-Nitrophenol	10.01	139	428890	65.15	nq	# 84
56) 2,4-Dinitrotoluene	10.08	165	330056	31.18	nq	98
57) Fluorene	10.44	166	958925	29.60	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.21	232	243461	27.55	nq	92
59) Diethylphthalate	10.32	149	957824	26.83	nq	97
60) 4-Chlorophenyl-phenylether	10.43	204	400979	24.74	nq	# 81
61) 4-Nitroaniline	10.45	138	189778	21.99	nq	90
62) Azobenzene	10.59	77	1055357	27.52	nq	90
64) 4,6-Dinitro-2-methylphenol	10.49	198	178274	43.47	nq	92
65) n-Nitrosodiphenylamine	10.56	169	829480	39.89	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	268710	38.77	nq	# 81
67) Hexachlorobenzene	10.99	284	301467	38.96	nq	# 80
68) Atrazine	11.08	200	277843	43.21	nq	98
69) Pentachlorophenol	11.18	266	402880	85.73	nq	99
70) Phenanthrene	11.40	178	1481896	44.33	nq	98
71) Anthracene	11.45	178	1256601	35.69	nq	99
72) Carbazole	11.61	167	1254235	40.69	nq	96
73) Di-n-butylphthalate	11.94	149	1407318	36.65	nq	99
74) Fluoranthene	12.58	202	1397688	38.97	nq	98
76) Benzidine	12.71	184	350114	21.02	nq	98
77) Pyrene	12.81	202	1414432	41.45	nq	99
79) Butylbenzylphthalate	13.44	149	623196	41.34	nq	99
80) Benzo(a)anthracene	14.00	228	1337638	43.05	nq	99
81) 3,3'-Dichlorobenzidine	13.96	252	266507	24.13	nq	# 97
82) Chrysene	14.04	228	1349530	47.42	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	922580	44.71	nq	# 98
84) Di-n-octyl phthalate	14.61	149	1488621	43.25	nq	97
85) Indeno(1,2,3-cd)pyrene	16.83	276	1099643	44.87	nq	100
87) Benzo(b)fluoranthene	15.04	252	1400376m	44.99	nq	
88) Benzo(k)fluoranthene	15.06	252	917058m	33.21	nq	
89) Benzo(a)pyrene	15.38	252	1074350	39.84	nq	99
90) Dibenzo(a,h)anthracene	16.84	278	942619	41.28	nq	99
91) Benzo(g,h,i)perylene	17.25	276	1327127	60.68	nq	99

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

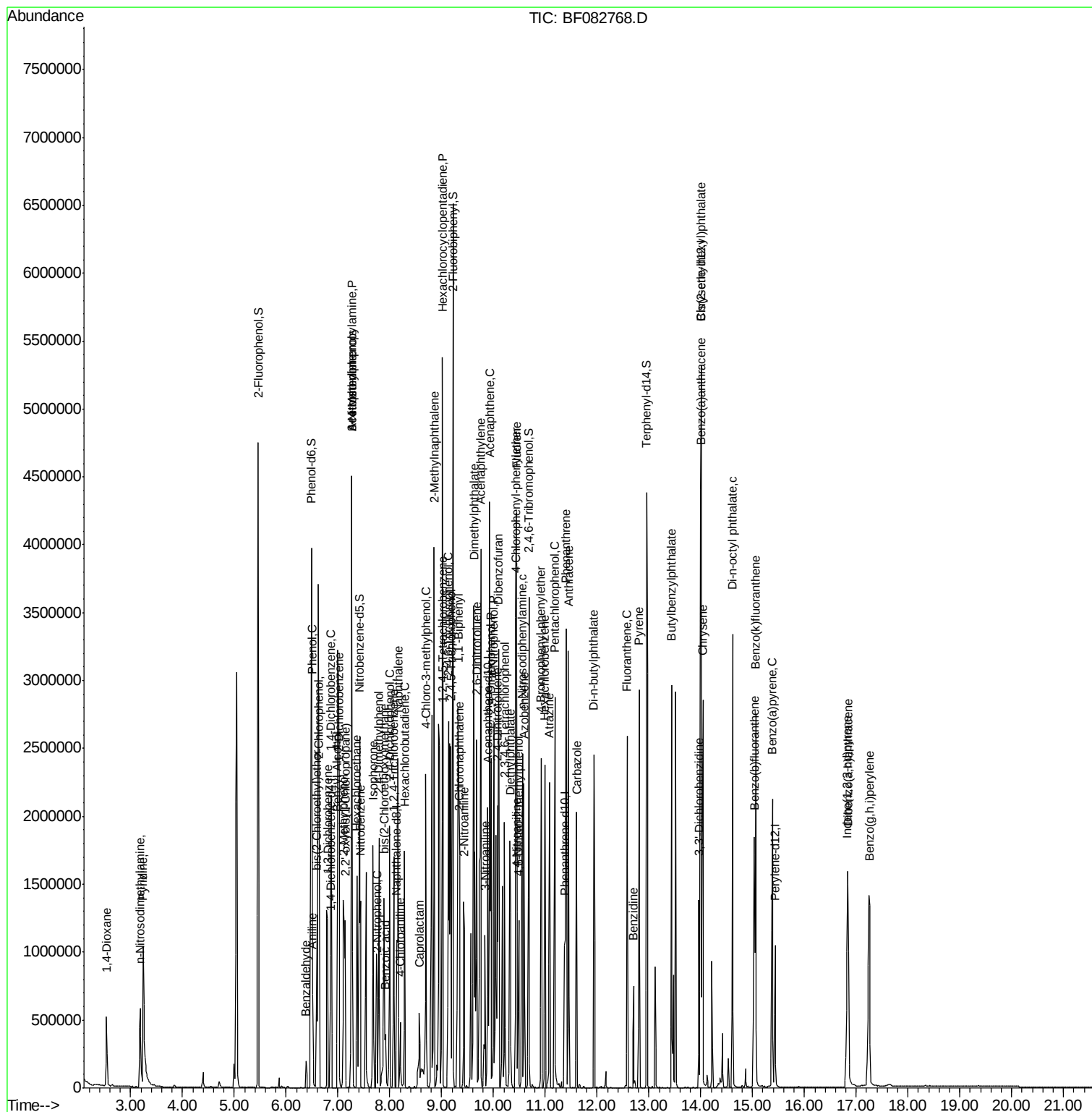
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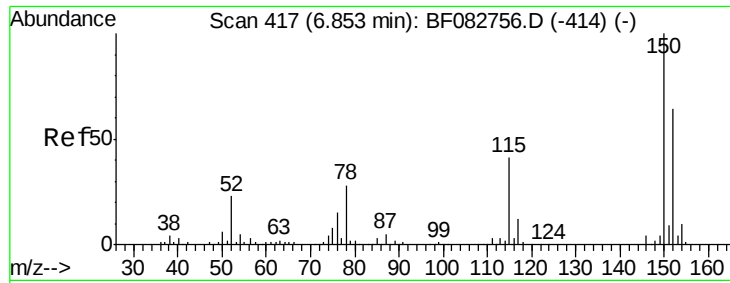
Instrument :
BNA_F
ClientSampleId :
PB86421BS

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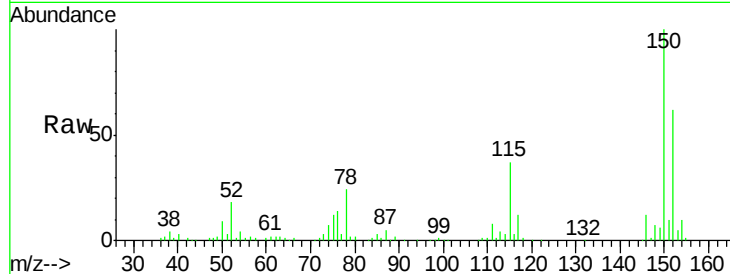
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

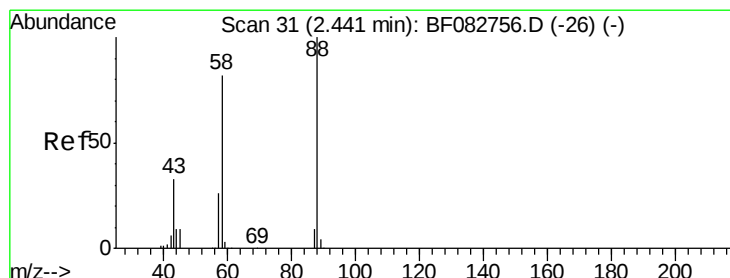
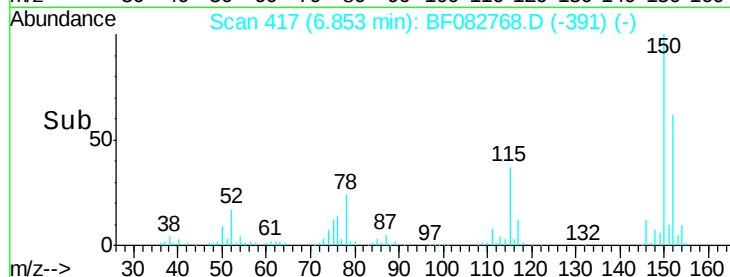
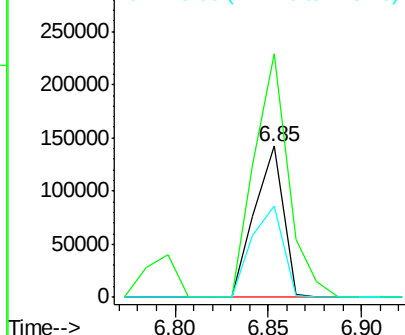
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.0	190.4
115	60.3	47.0	70.6

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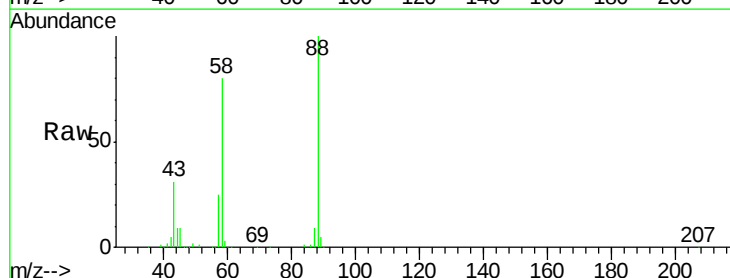
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



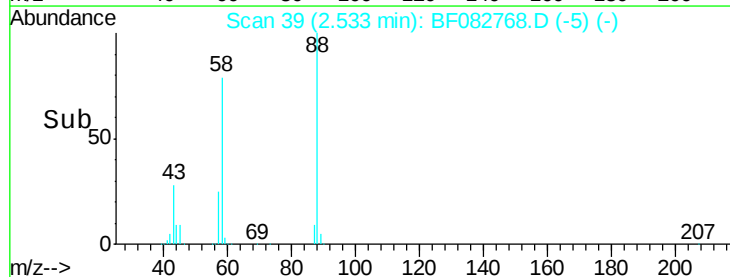
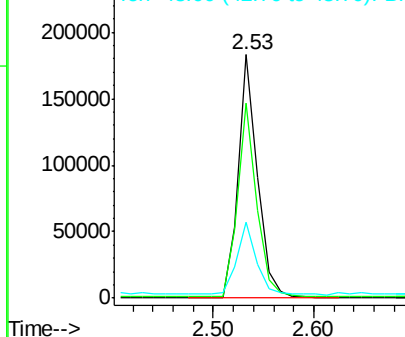
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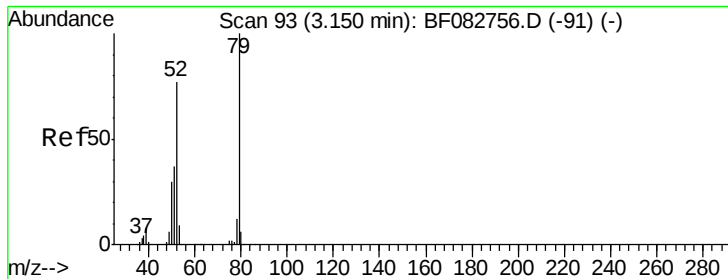
1,4-Dioxane
Concen: 57.78 ng
RT: 2.53 min Scan# 39
Delta R.T. 0.09 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.0	62.0	93.0
43	30.7	26.6	40.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





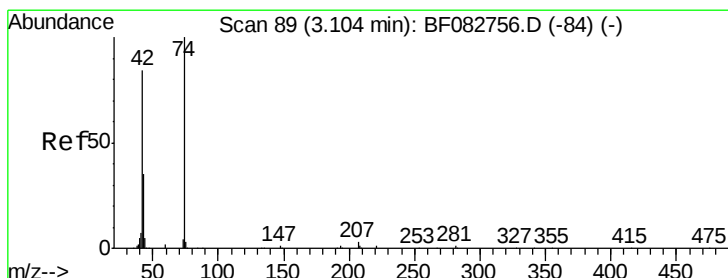
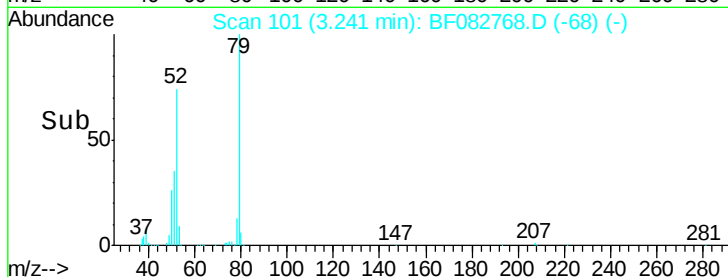
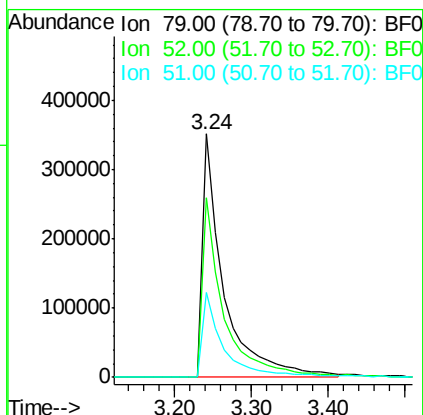
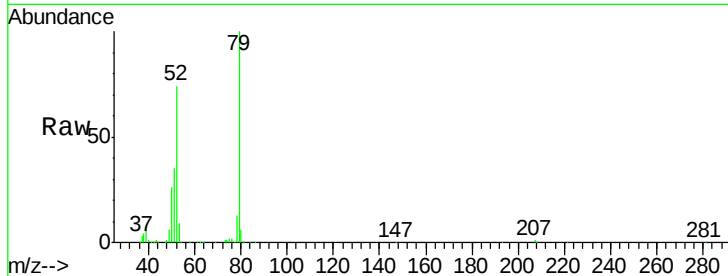
#3
 Pvridine
 Concen: 54.62 ng
 RT: 3.24 min Scan# 101
 Delta R.T. 0.08 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
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 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	73.6	62.8	94.2
51	35.0	32.0	48.0

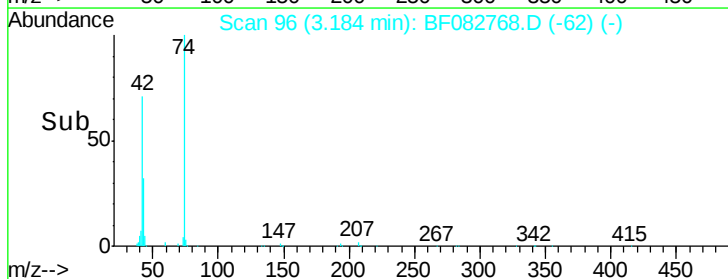
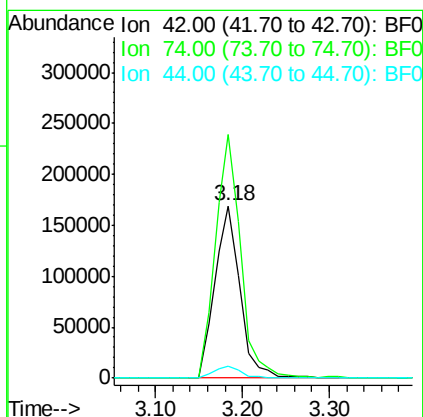
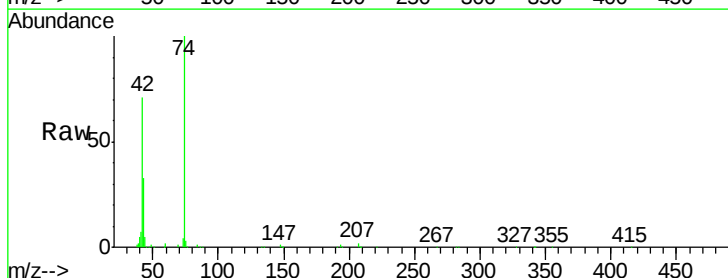
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#4
 n-Nitrosodimethylamine
 Concen: 56.14 ng
 RT: 3.18 min Scan# 96
 Delta R.T. 0.09 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
42	100		
74	141.5	87.0	130.4#
44	7.3	5.8	8.8





#5

2-Fluorophenol

Concen: 147.97 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

PB86421BS

Tot Ion:112 Resp: 1449775

Ion Ratio Lower Upper

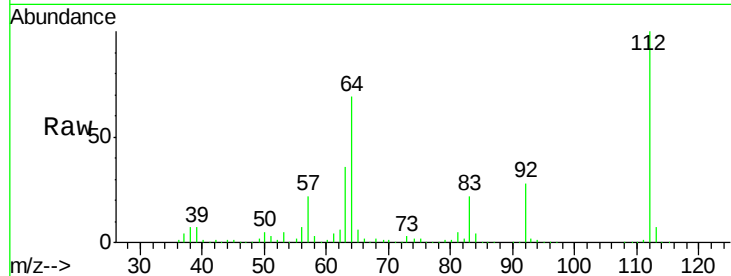
112 100

64 69.2 48.9 73.3

63 35.8 28.1 42.1

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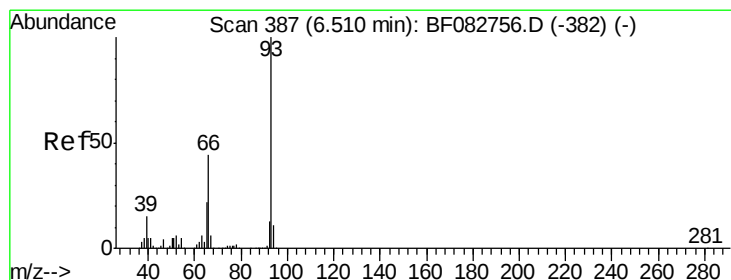
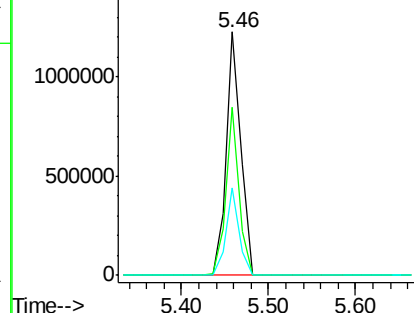
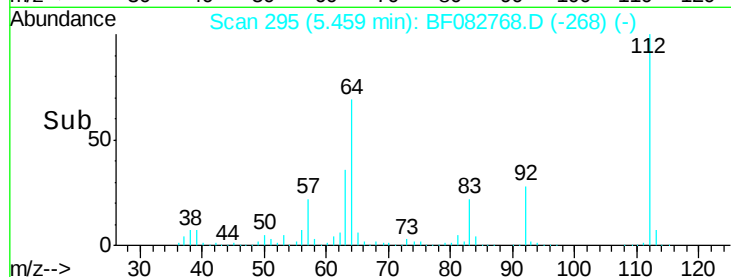
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.09 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

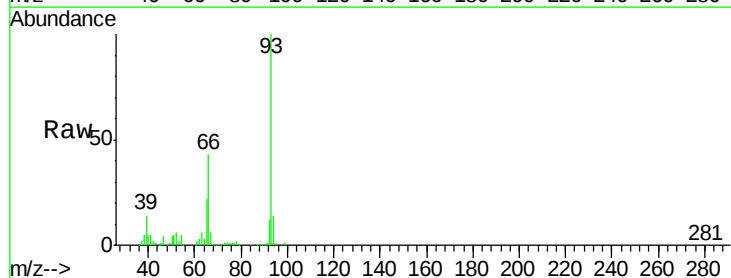
Tgt Ion: 93 Resp: 312533

Ion Ratio Lower Upper

93 100

66 42.7 33.6 50.4

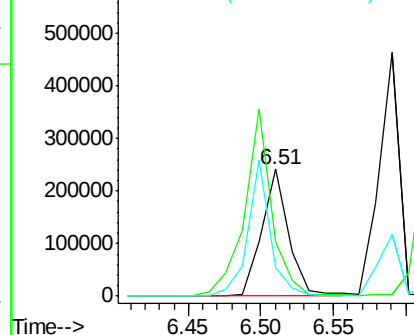
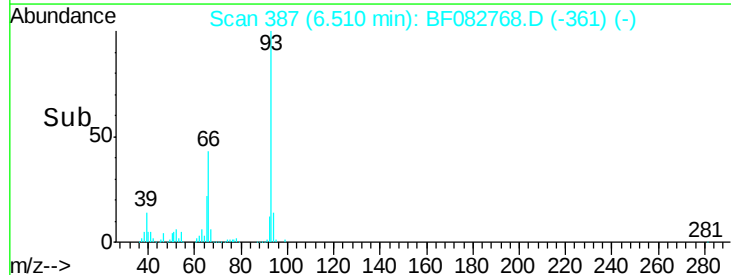
65 22.3 18.1 27.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 115.84 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1508905

Ion Ratio Lower Upper

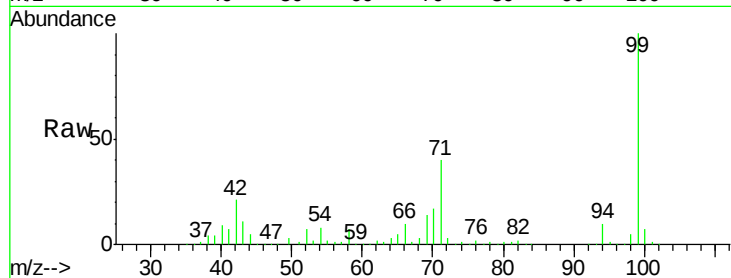
99 100

42 20.8 19.2 28.8

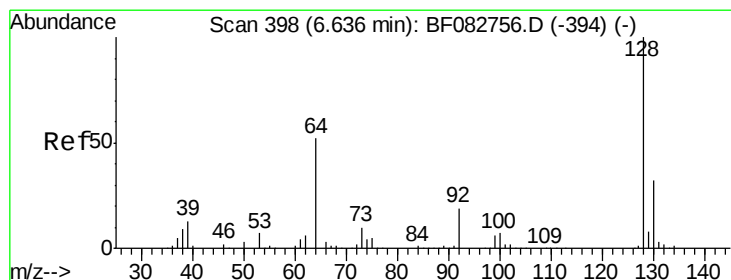
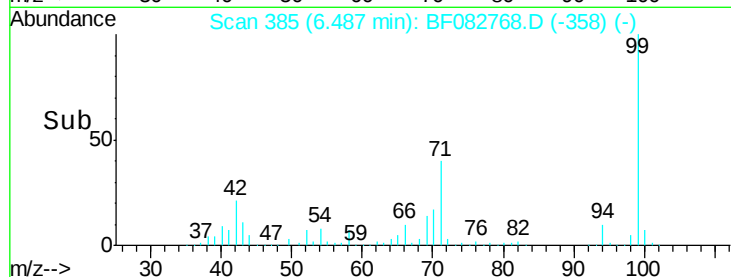
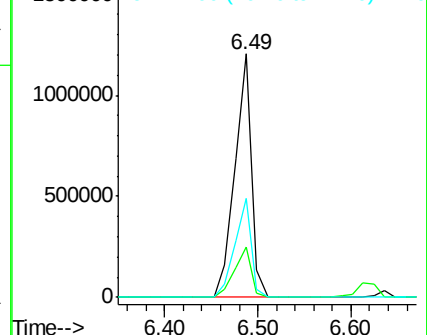
71 40.5 35.0 52.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.34 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

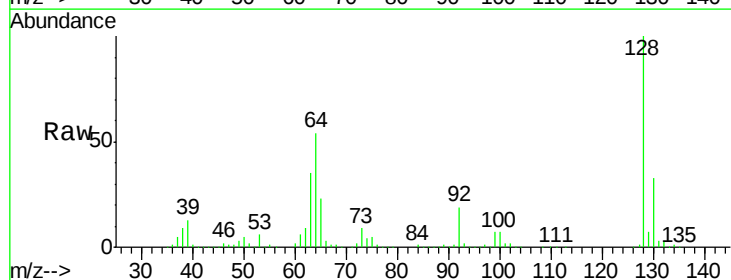
Tgt Ion: 128 Resp: 438172

Ion Ratio Lower Upper

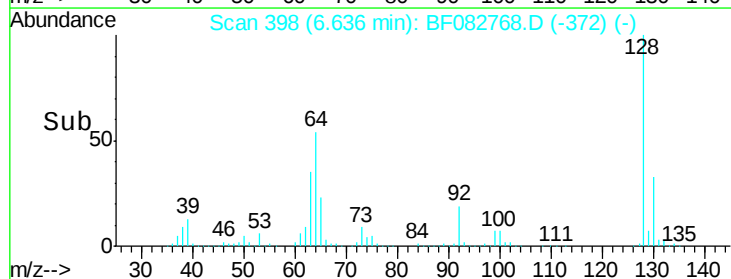
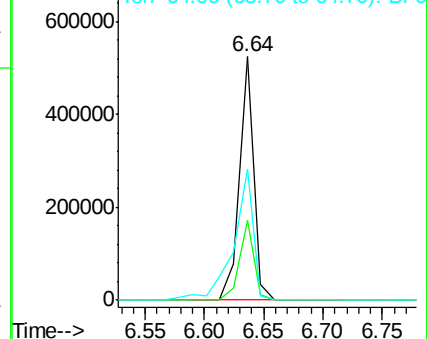
128 100

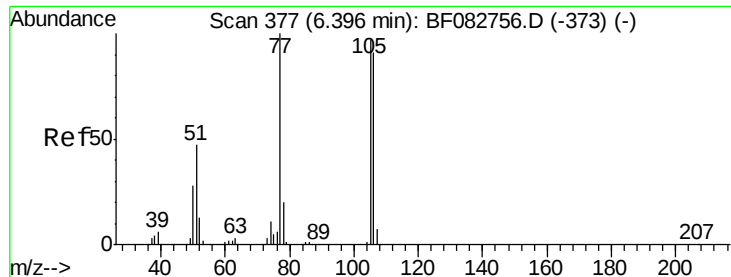
130 32.5 13.5 53.5

64 53.7 21.1 61.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 6.30 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

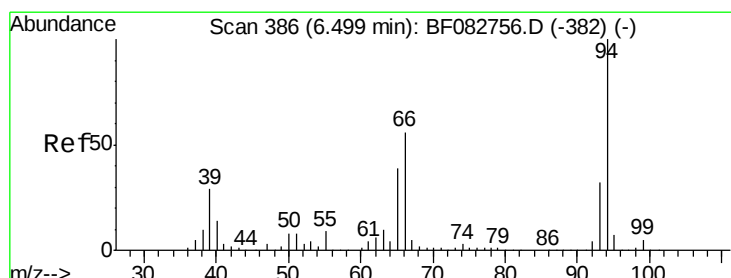
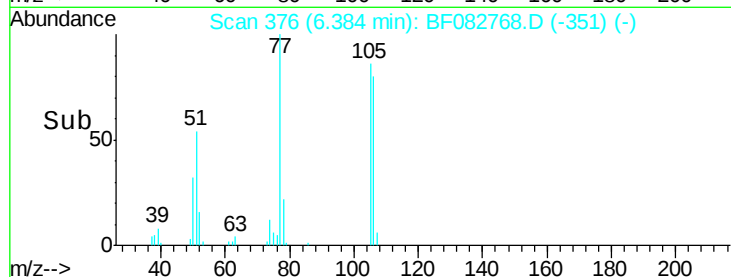
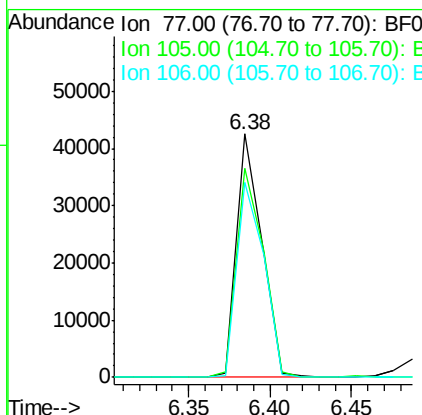
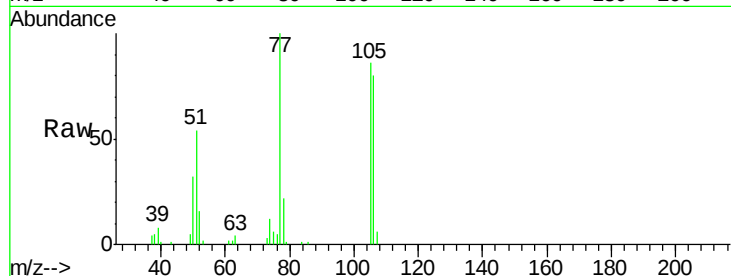
ClientSampleId :

PB86421BS

Tot Ion:	77	Resp:	45336
Ion	Ratio	Lower	Upper
77	100		
105	85.9	63.5	103.5
106	80.0	59.3	99.3

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#10

Phenol

Concen: 40.23 ng

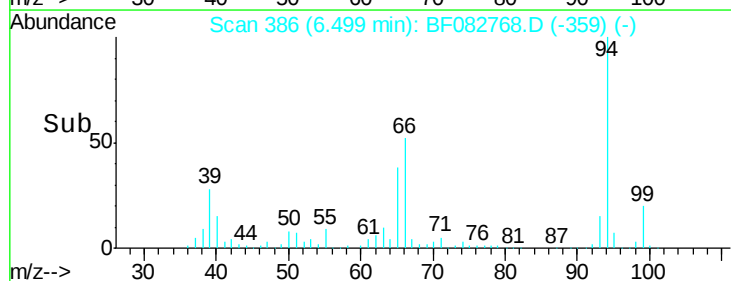
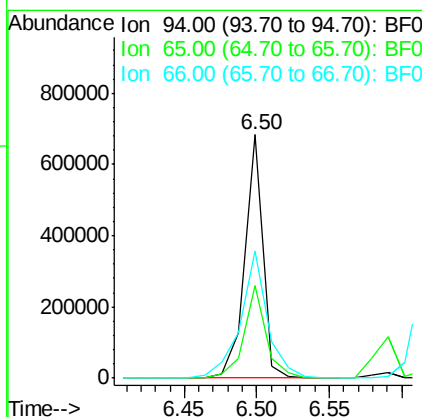
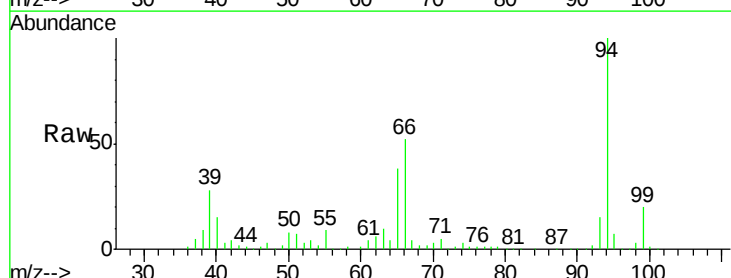
RT: 6.50 min Scan# 386

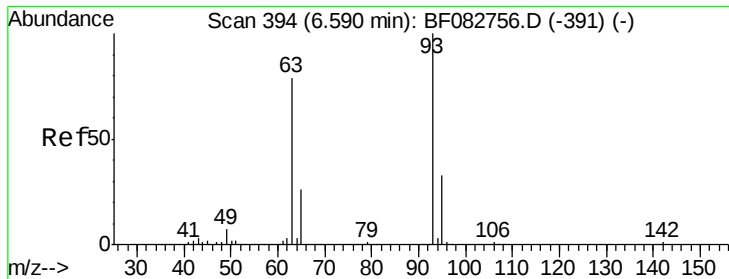
Delta R.T. 0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	94	Resp:	594556
Ion	Ratio	Lower	Upper
94	100		
65	37.9	18.9	58.9
66	52.3	34.9	74.9





#11

bis(2-Chloroethyl)ether

Concen: 39.73 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

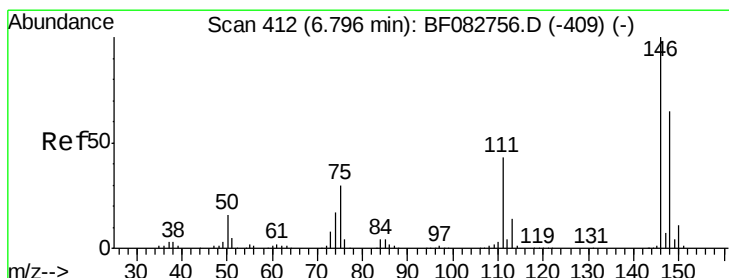
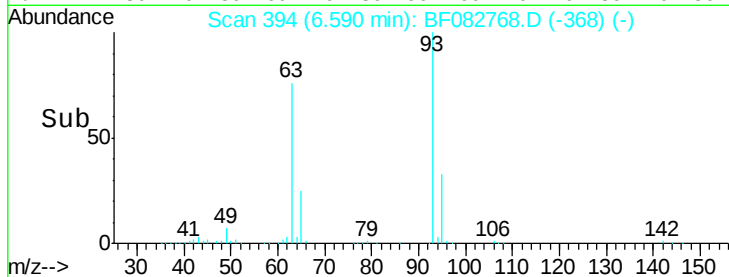
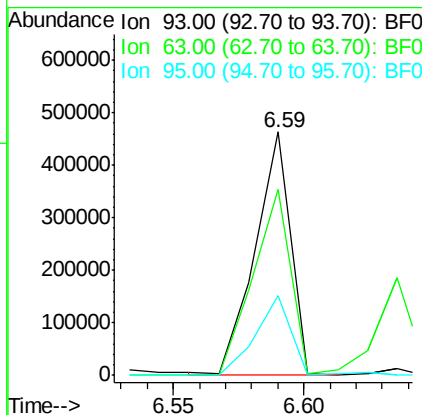
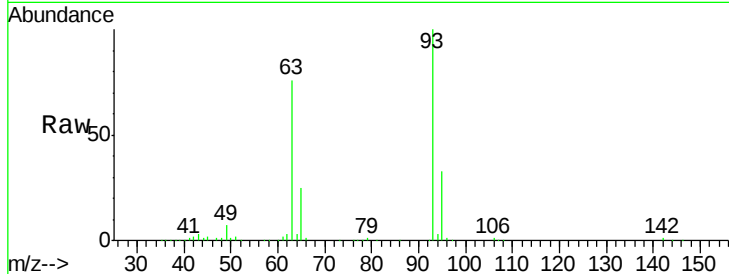
ClientSampleId :

PB86421BS

Tot Ion:	93	Resp:	439097
Ion Ratio	Lower	Upper	
93	100		
63	76.2	72.7	112.7
95	32.8	12.0	52.0

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#12

1,3-Dichlorobenzene

Concen: 36.03 ng m

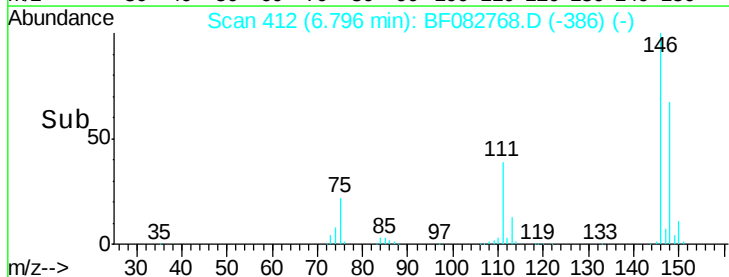
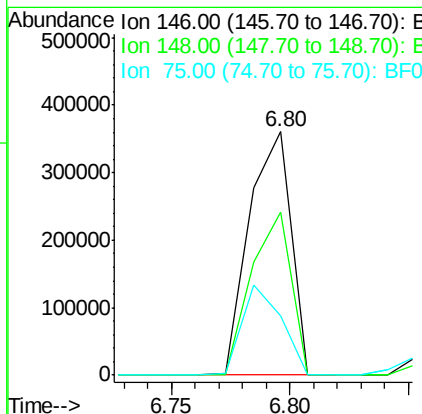
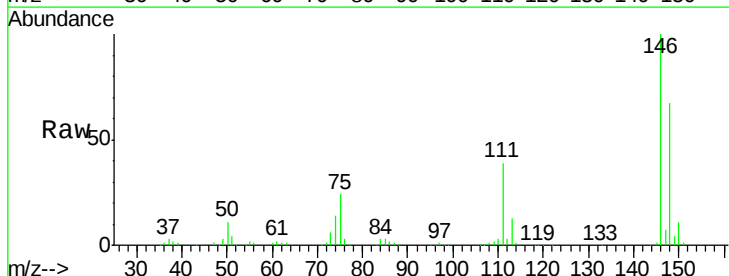
RT: 6.80 min Scan# 412

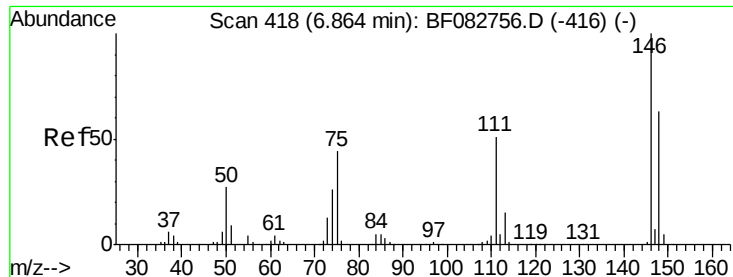
Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	146	Resp:	441343
Ion Ratio	Lower	Upper	
146	100		
148	67.0	50.5	75.7
75	24.2	39.5	59.3#





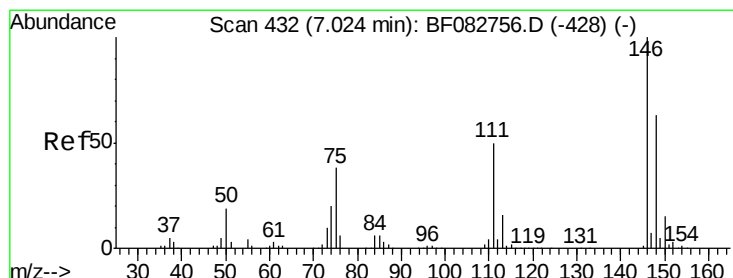
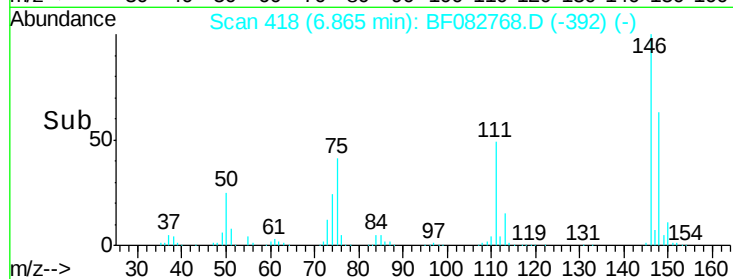
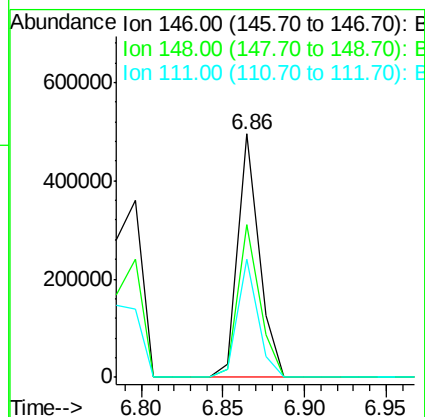
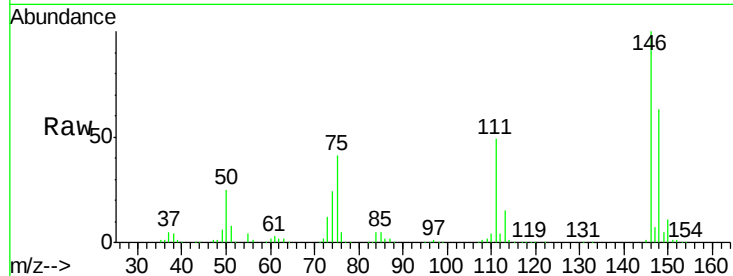
#13
1,4-Dichlorobenzene
Concen: 34.94 ng
RT: 6.86 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
445351	146	100			
	148	62.7	50.8	76.2	
	111	48.5	40.6	60.8	

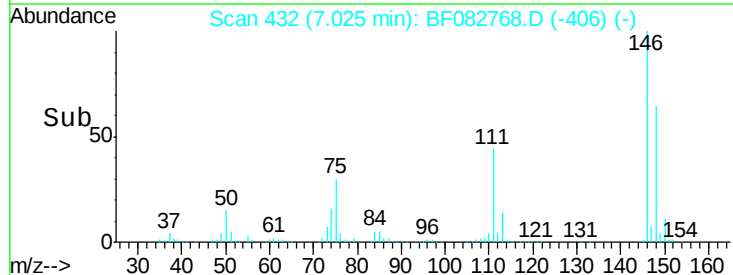
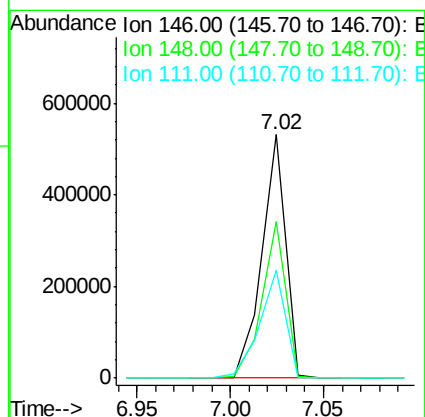
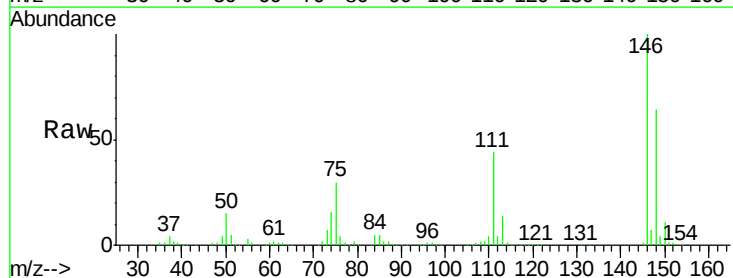
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#14
1,2-Dichlorobenzene
Concen: 40.07 ng
RT: 7.02 min Scan# 432
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
464417	146	100			
	148	64.4	52.2	78.4	
	111	44.4	36.6	55.0	





#15

Benzyl Alcohol

Concen: 36.50 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

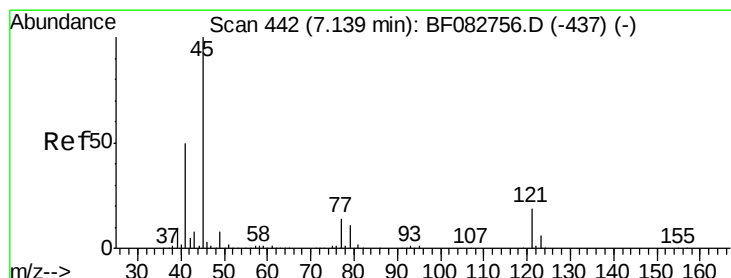
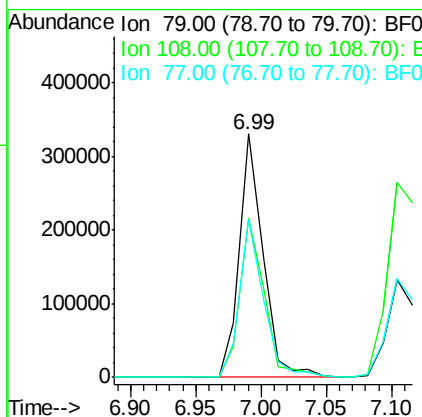
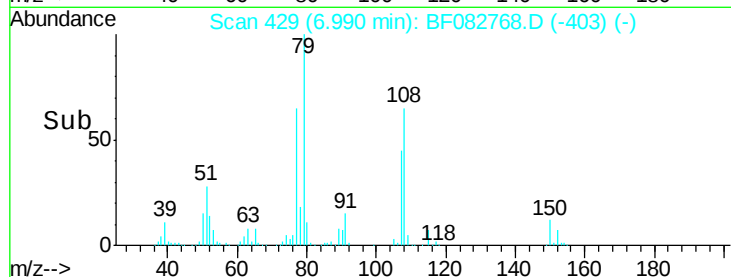
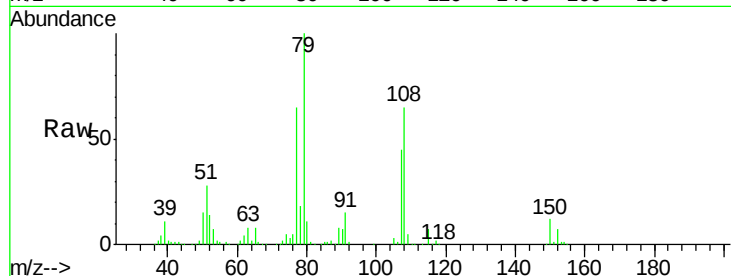
ClientSampleId :

PB86421BS

Tot Ion:	79	Resp:	417486
Ion	Ratio	Lower	Upper
79	100		
108	65.3	52.2	78.4
77	65.1	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.95 ng

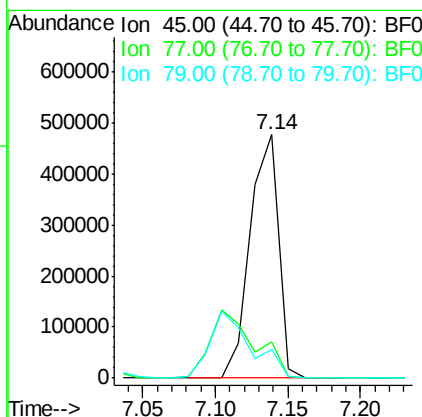
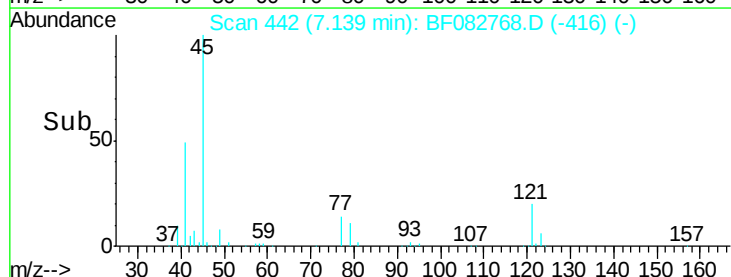
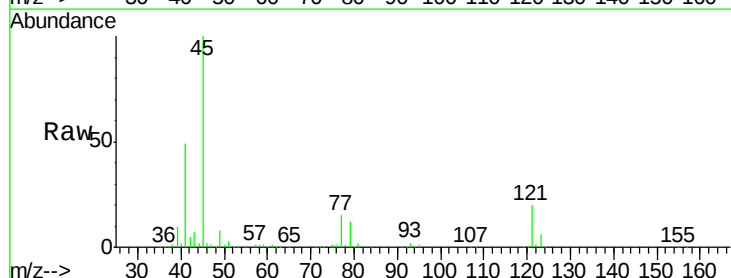
RT: 7.14 min Scan# 442

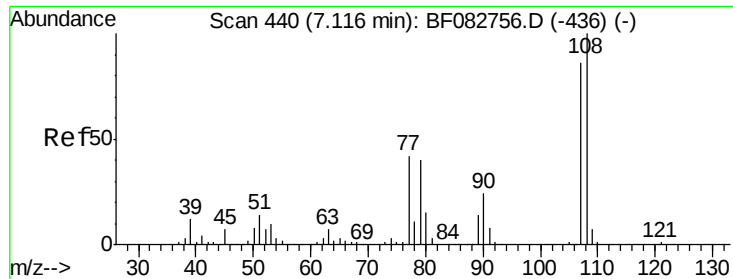
Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	45	Resp:	647693
Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	32.6
79	11.6	0.0	29.2





#17

2-Methylphenol

Concen: 39.25 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

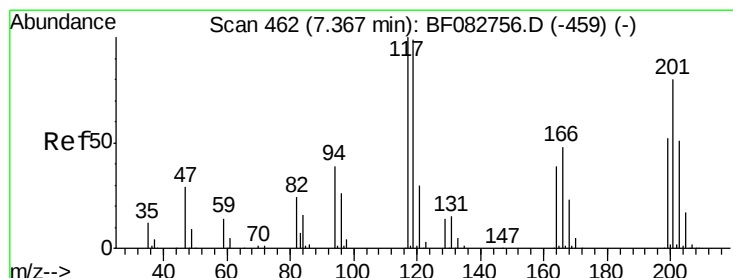
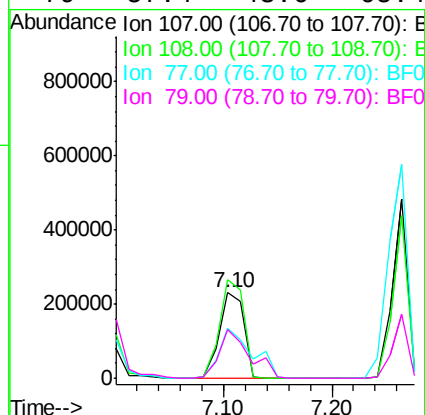
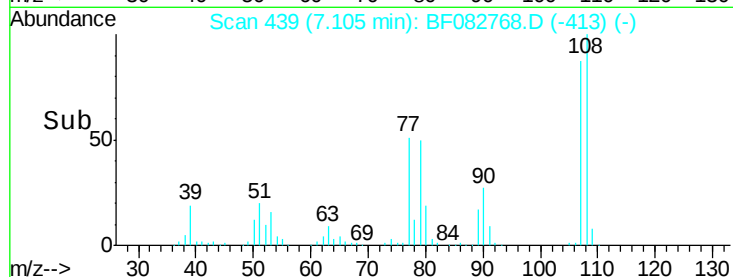
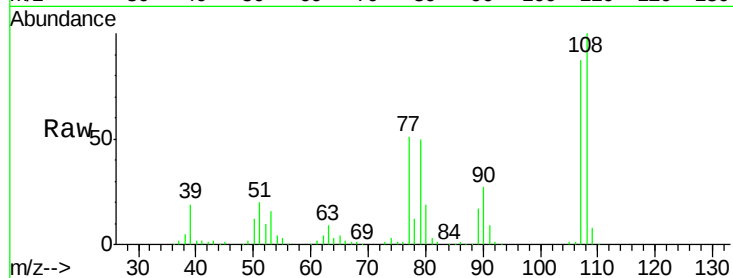
ClientSampleId :

PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	361062		
108	114.8	93.0	139.4	
77	58.5	44.1	66.1	
79	57.4	43.6	65.4	

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#18

Hexachloroethane

Concen: 37.63 ng

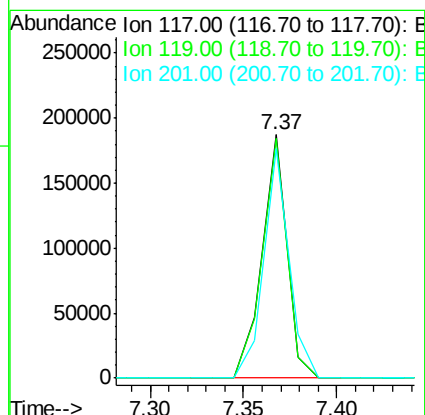
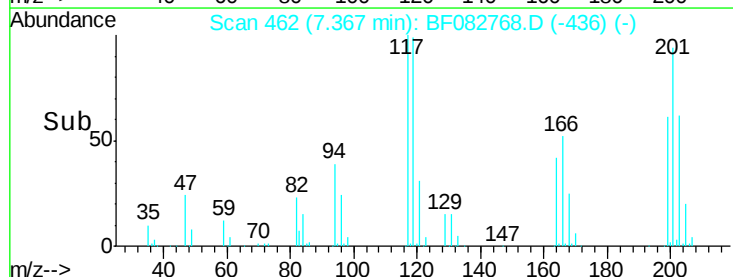
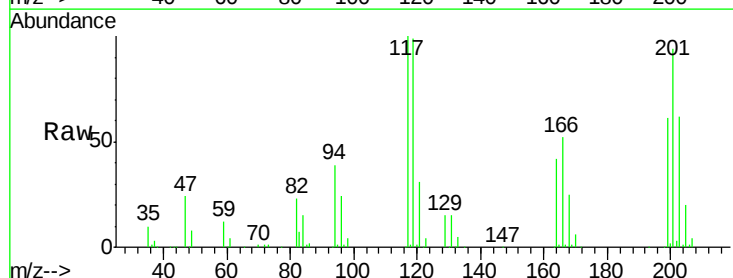
RT: 7.37 min Scan# 462

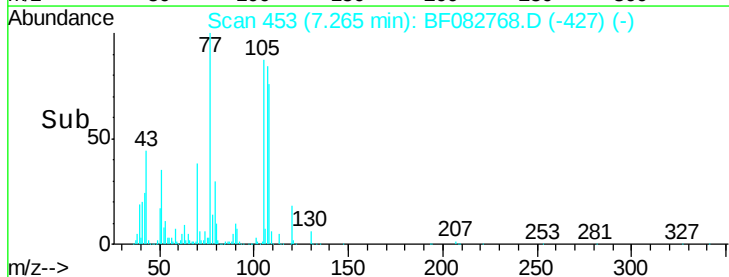
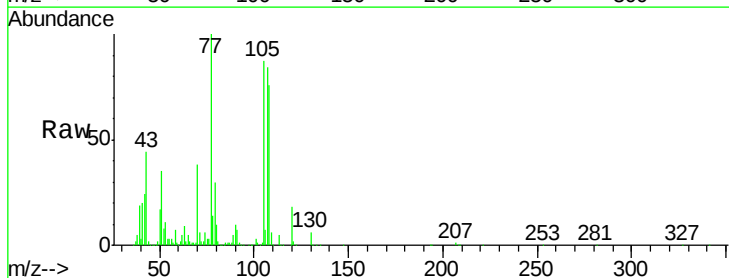
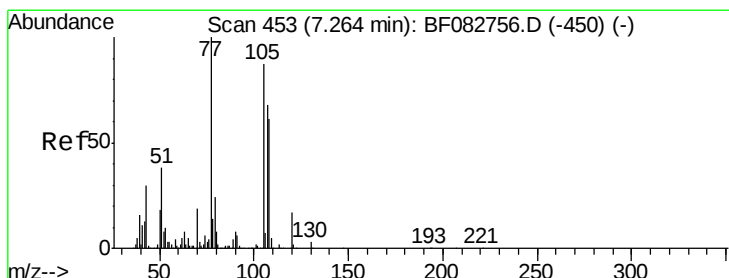
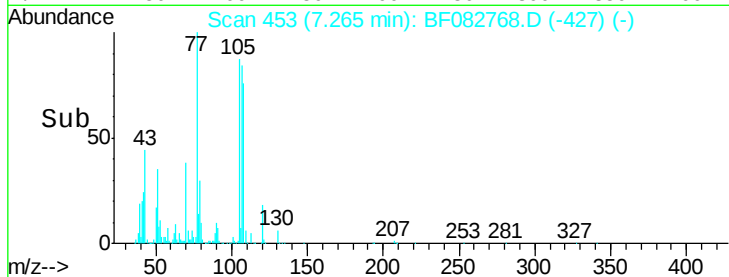
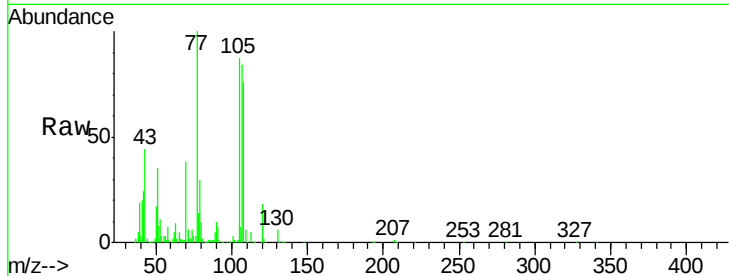
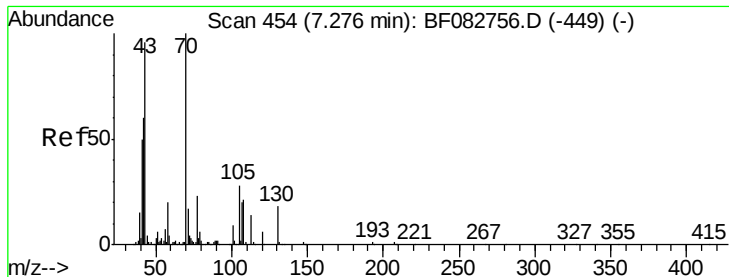
Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	171555		
119	98.5	77.7	116.5	
201	94.4	66.7	100.1	





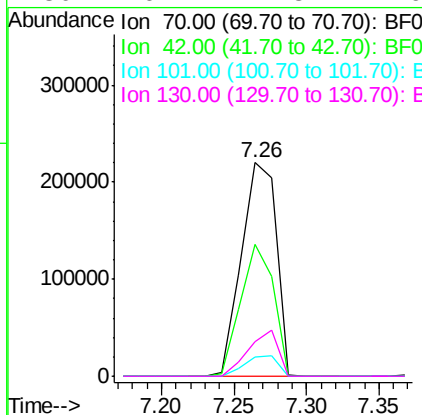
#19
n-Nitroso-di-n-propylamine
Concen: 38.19 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	61.8	57.7	86.5	
101	8.9	7.0	10.6	
130	16.2	11.8	17.6	

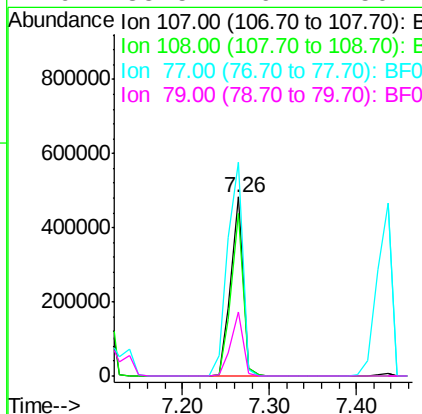
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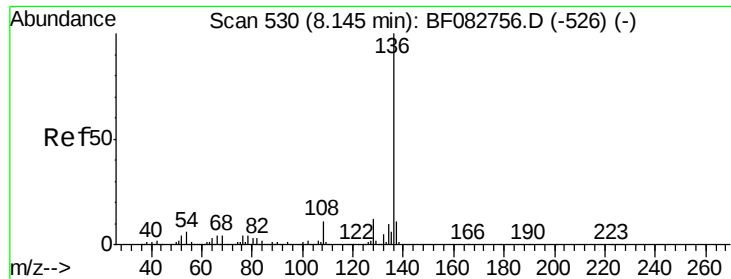
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#20
3+4-Methylphenols
Concen: 39.95 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.0	67.3	107.3	
77	119.6	100.3	140.3	
79	35.5	16.2	56.2	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

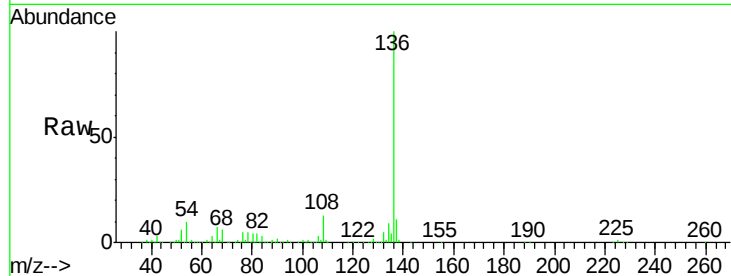
ClientSampleId :

PB86421BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		563446		
137	10.8		9.1	13.7	
54	9.9		9.1	13.7	
68	6.1		4.8	7.2	

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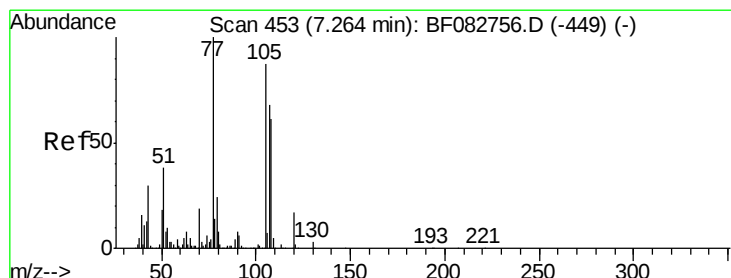
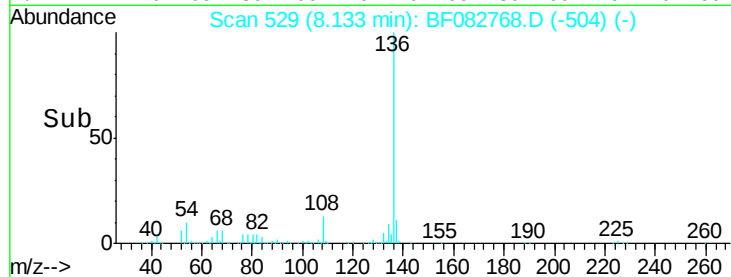
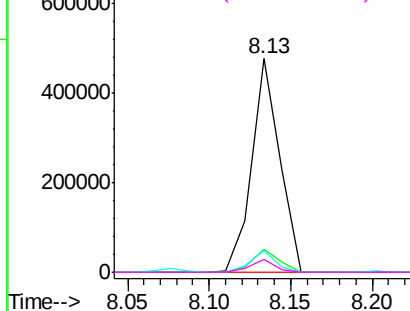


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.26 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

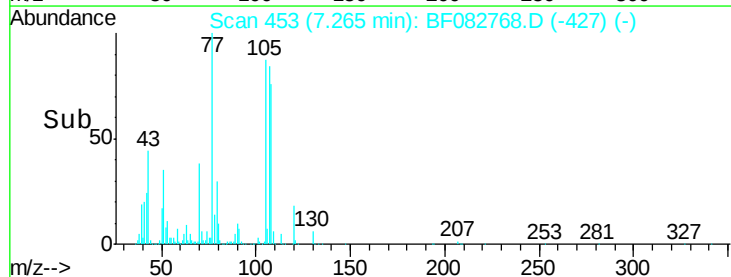
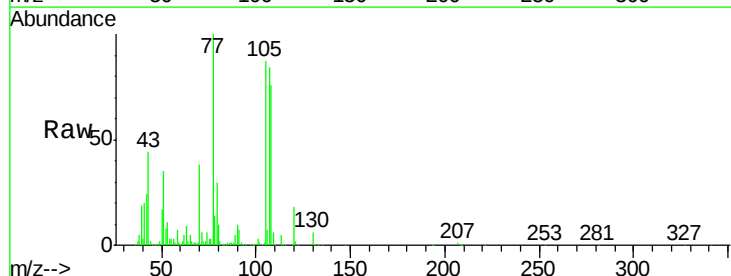
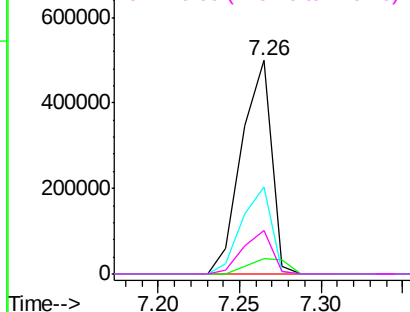
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		633803		
71	7.1		5.6	8.4	
51	40.6		24.9	37.3	
120	20.3		15.8	23.8	

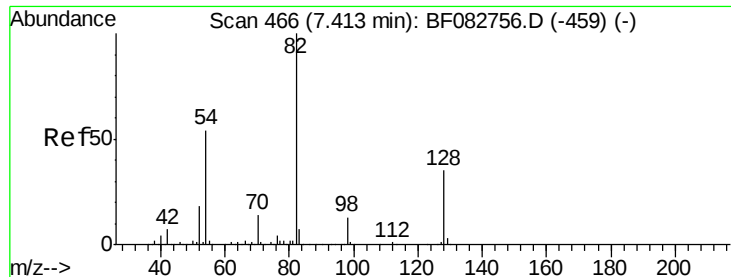
Abundance Ion 105.00 (104.70 to 105.70): E

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





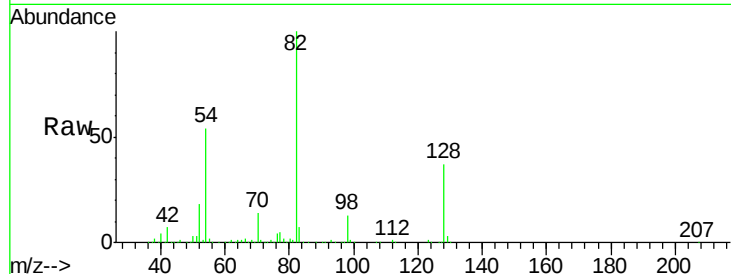
#23
 Nitrobenzene-d5
 Concen: 80.56 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

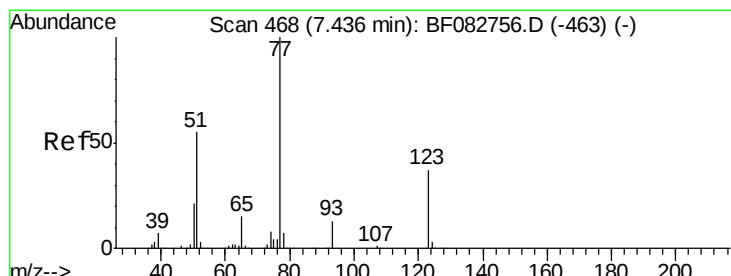
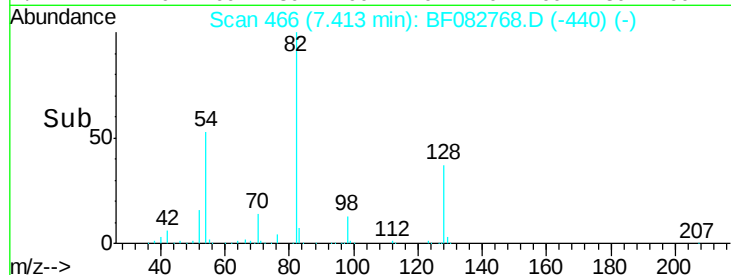
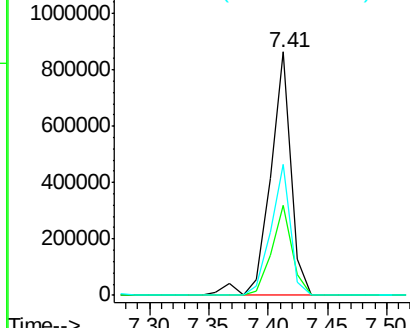
Tot Ion	82	Resp	1043183
Ion Ratio	100	Lower	Upper
128	36.9	26.8	40.2
54	53.6	45.7	68.5

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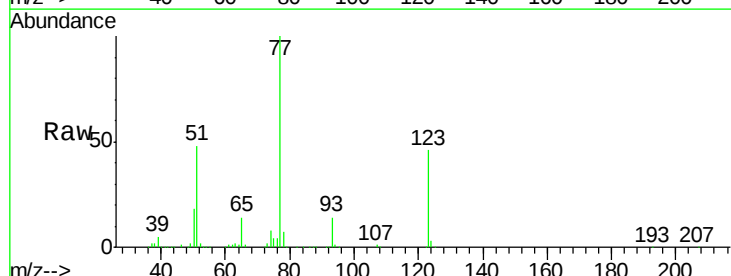


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

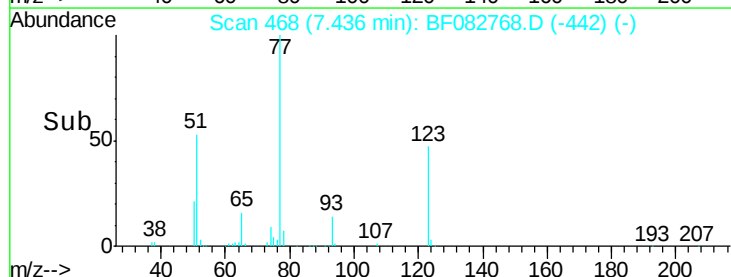
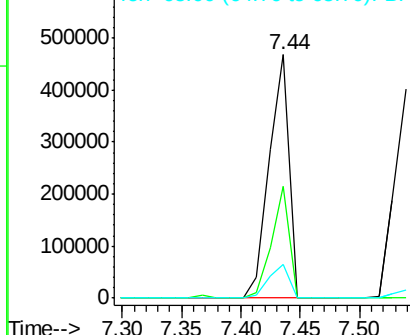


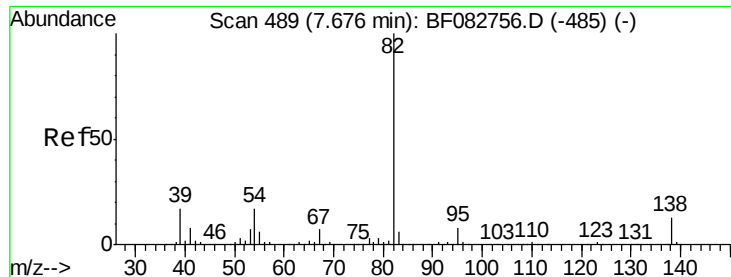
#24
 Nitrobenzene
 Concen: 41.45 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	77	Resp	548844
Ion Ratio	100	Lower	Upper
123	46.0	36.4	54.6
65	13.6	11.5	17.3



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





#25

Isophorone

Concen: 38.62 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

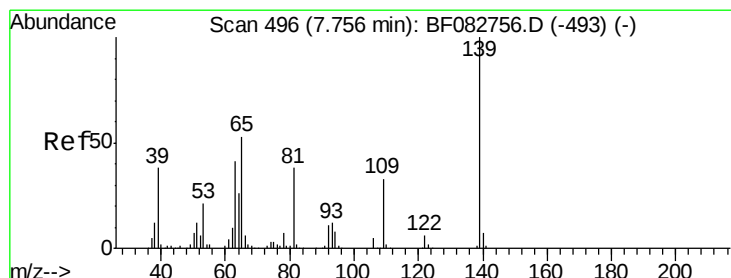
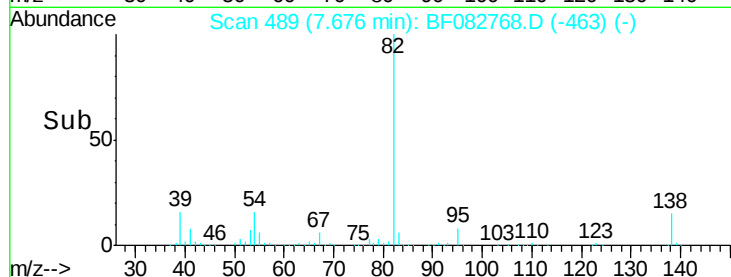
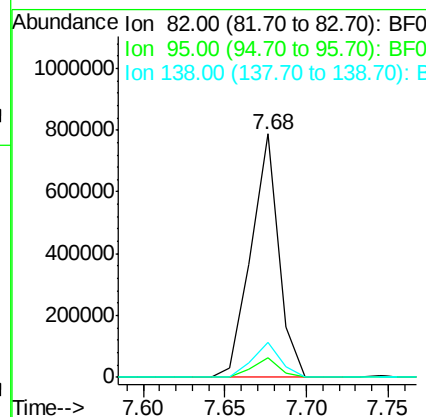
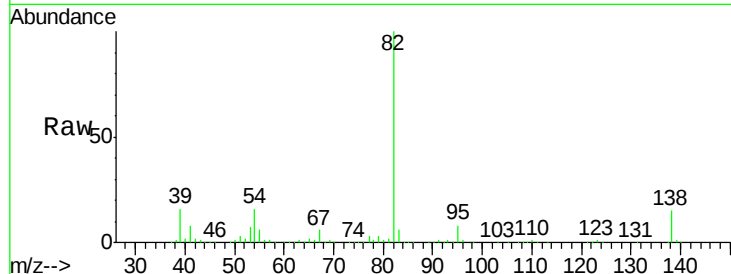
ClientSampleId :

PB86421BS

Tot Ion:	82	Resp:	925206
Ion Ratio		Lower	Upper
82	100		
95	8.1	6.6	9.8
138	14.6	11.4	17.0

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#26

2-Nitrophenol

Concen: 40.15 ng

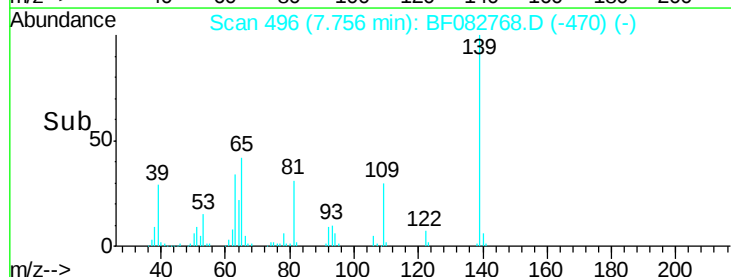
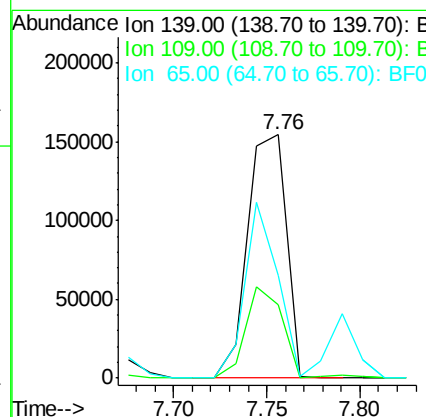
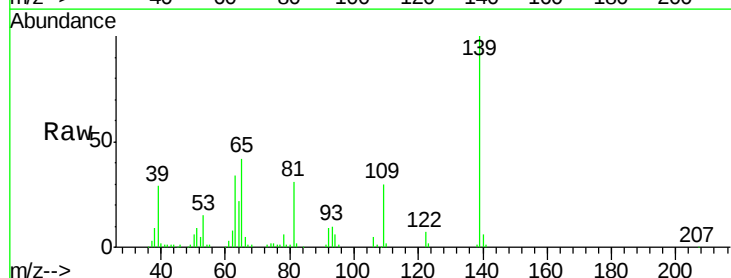
RT: 7.76 min Scan# 496

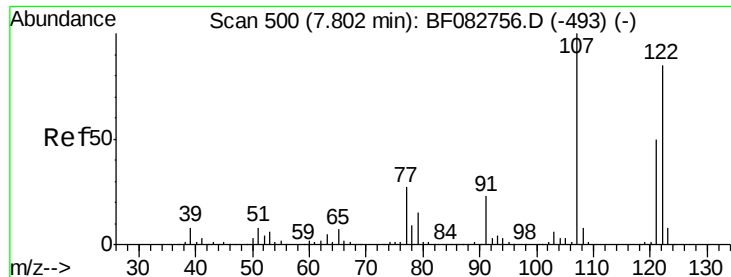
Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	139	Resp:	221899
Ion Ratio		Lower	Upper
139	100		
109	30.4	37.6	56.4#
65	42.4	70.6	105.8#





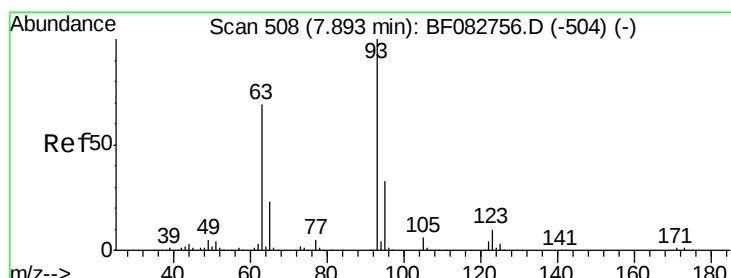
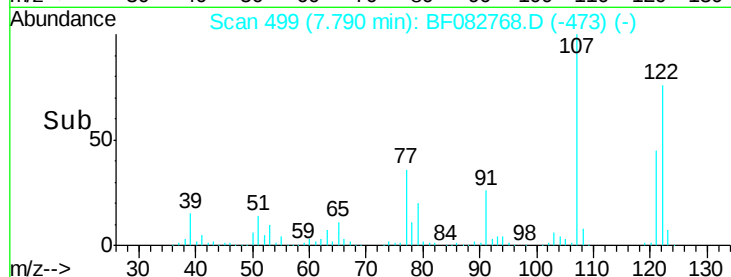
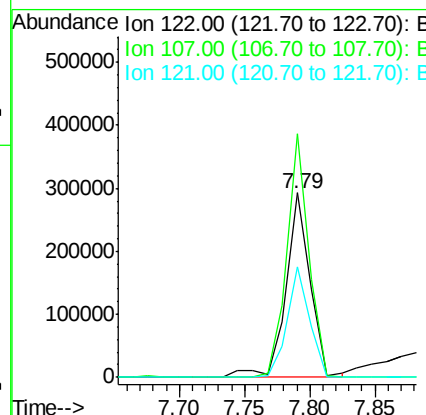
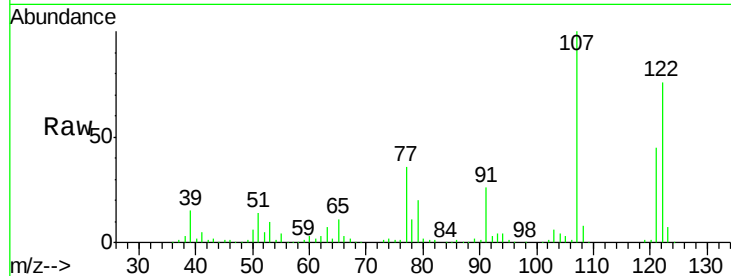
#27
 2,4-Dimethylphenol
 Concen: 38.34 ng
 RT: 7.79 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	380799		
107	132.1	106.0	159.0	
121	59.9	46.7	70.1	

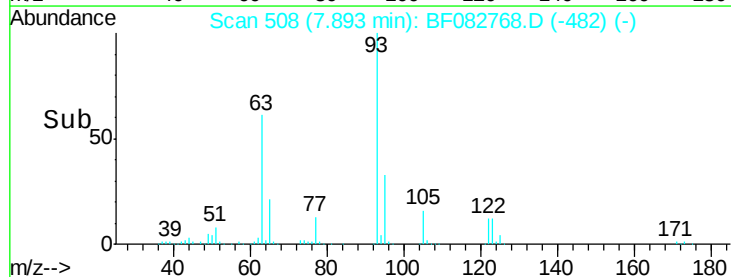
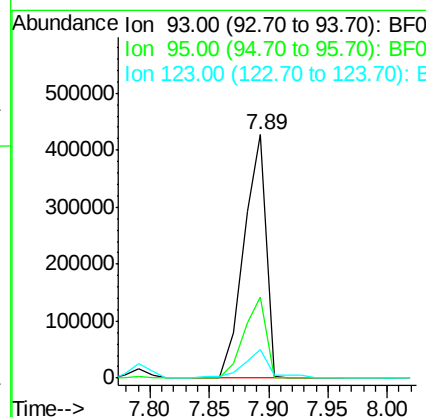
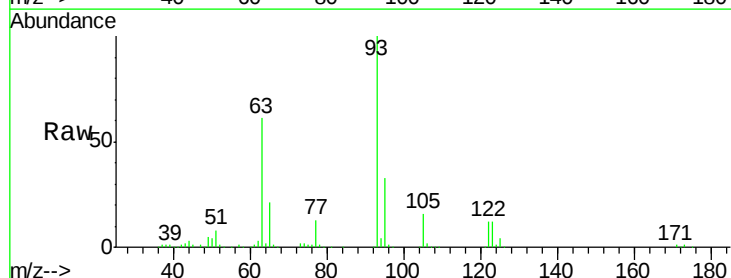
Manual Integrations
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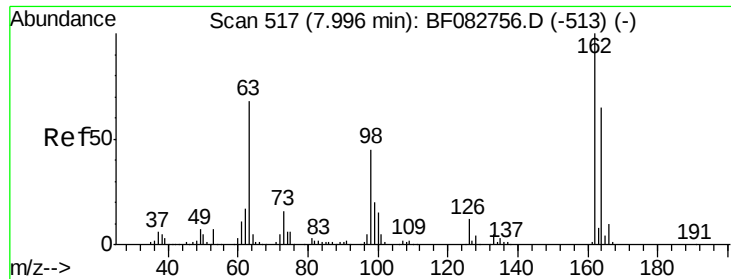
Mmdadoda
 11/9/2015 2:10:28 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.85 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	552045		
95	33.2	26.6	40.0	
123	11.5	9.7	14.5	





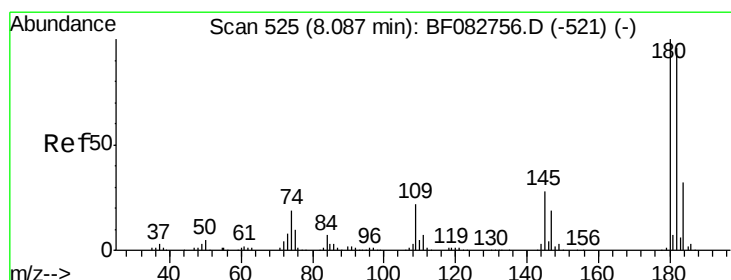
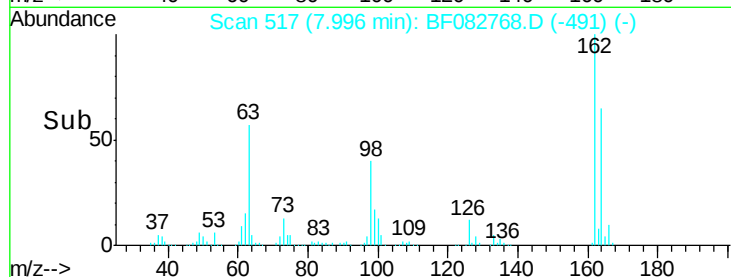
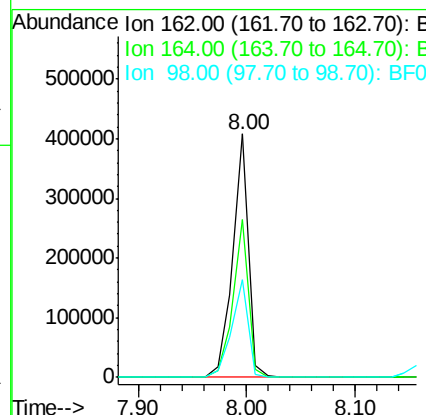
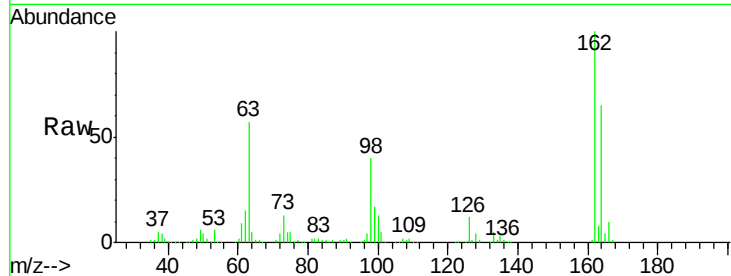
#29
 2,4-Dichlorophenol
 Concen: 45.00 ng
 RT: 8.00 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.9	46.8	86.8
98	40.1	12.5	52.5

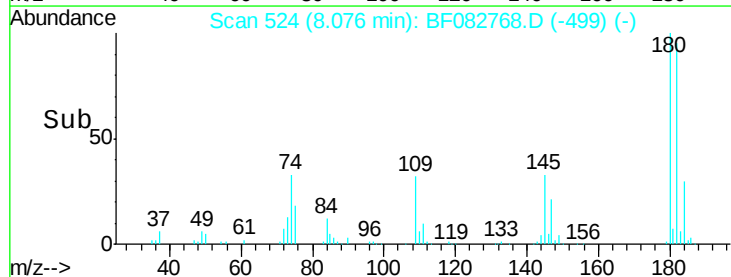
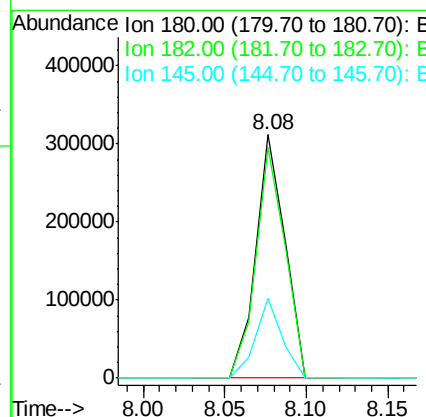
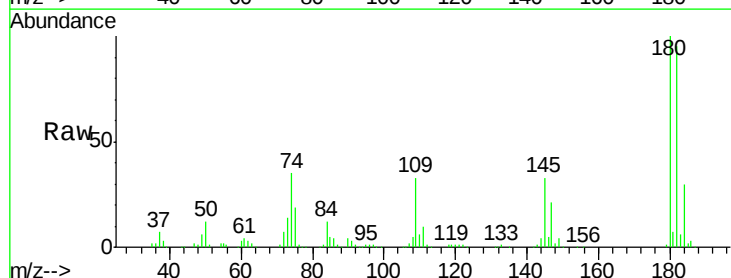
Manual Integrations
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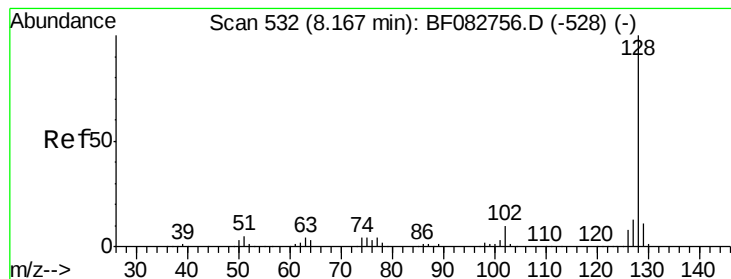
Mmdadoda
 11/9/2015 2:10:28 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.18 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	74.9	112.3
145	32.6	27.8	41.8





#31

Naphthalene

Concen: 37.24 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

PB86421BS

Tot Ion:128 Resp: 1157589

Ion Ratio Lower Upper

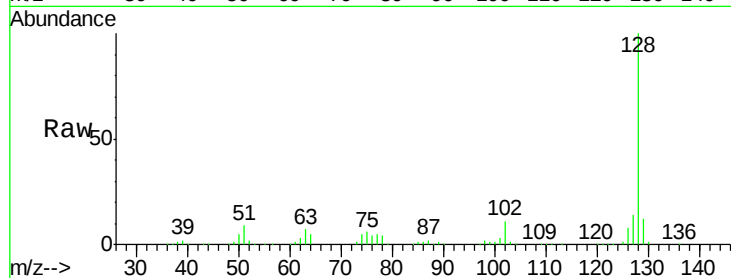
128 100

129 11.5 9.5 14.3

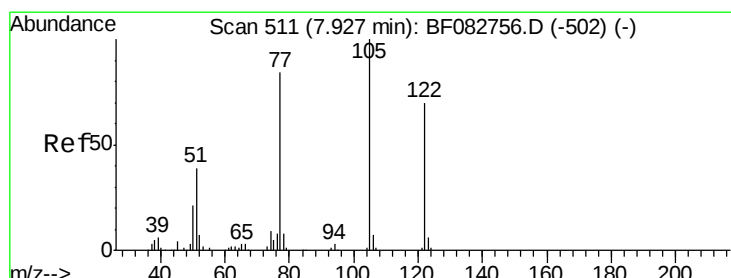
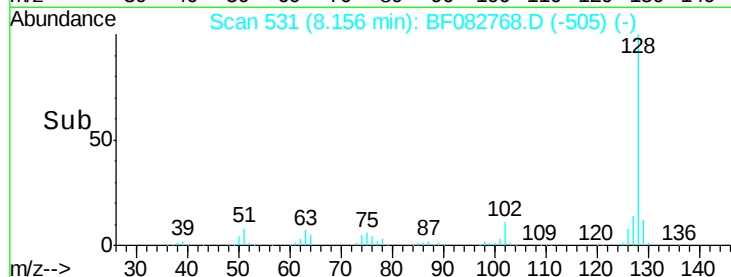
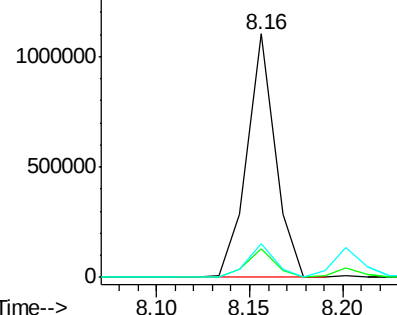
127 13.7 11.4 17.0

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Mmdadoda
11/9/2015 2:10:28 PM



Abundance Ion 128.00 (127.70 to 128.70): E
1500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.08 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

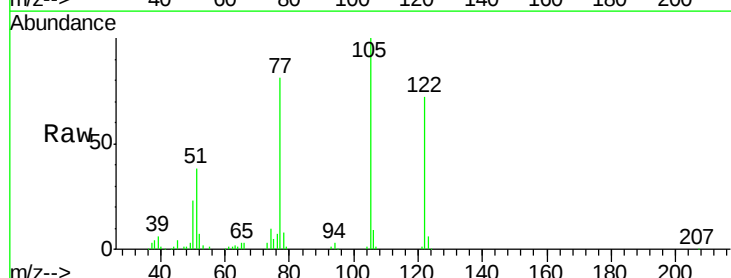
Tgt Ion:122 Resp: 265751

Ion Ratio Lower Upper

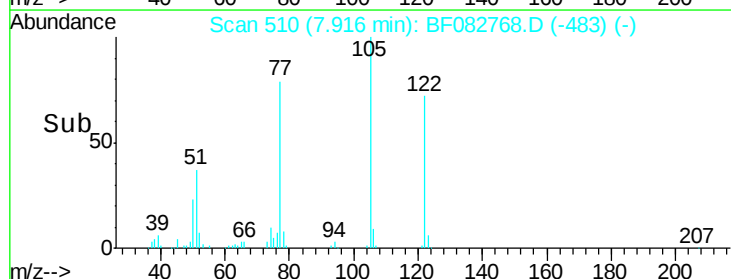
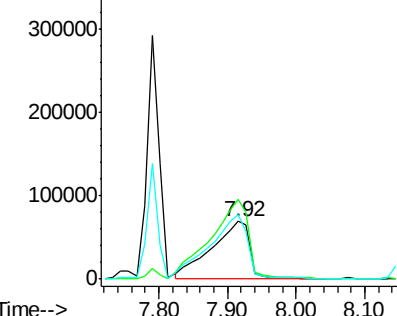
122 100

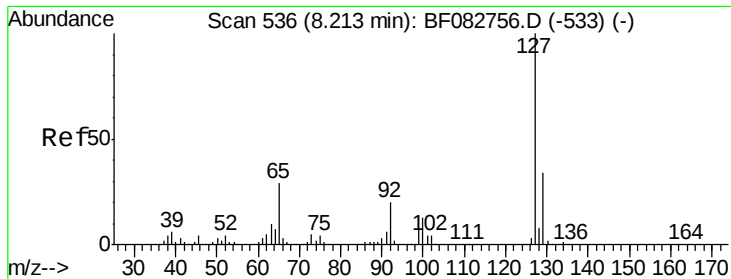
105 138.1 122.6 162.6

77 112.0 100.9 140.9



Abundance Ion 122.00 (121.70 to 122.70): E
400000 Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





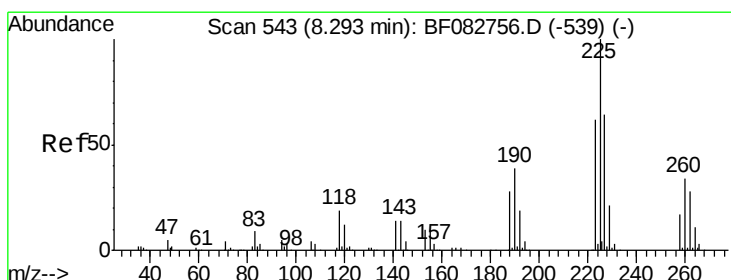
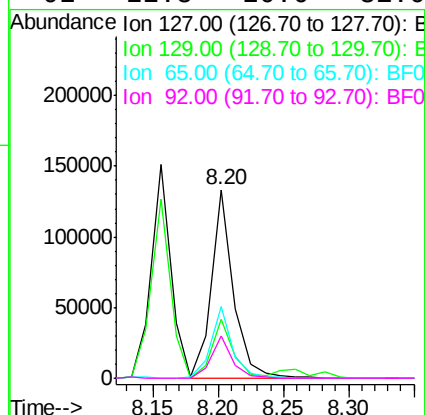
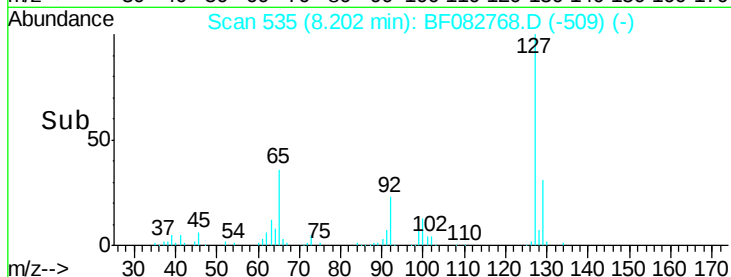
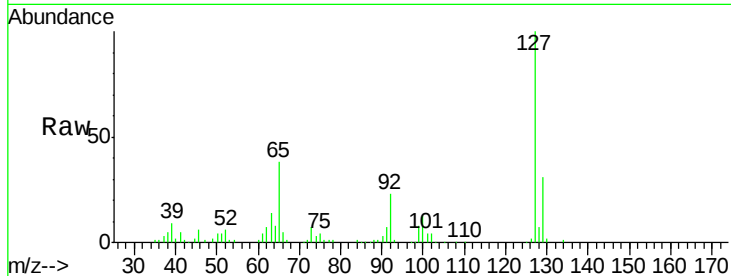
#33
4-Chloroaniline
Concen: 11.68 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.1	26.3	39.5		
65	38.2	37.8	56.8		
92	22.8	20.6	31.0		

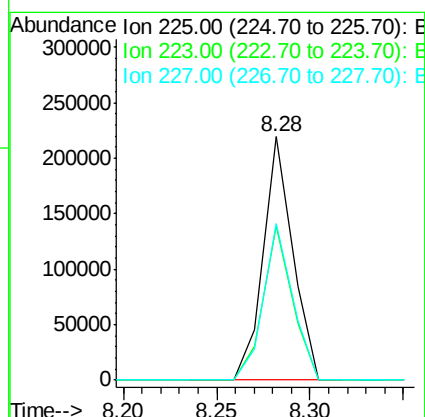
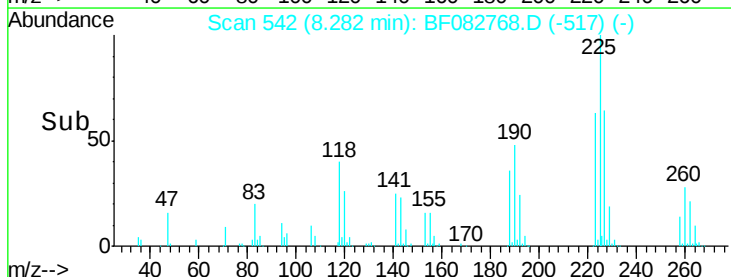
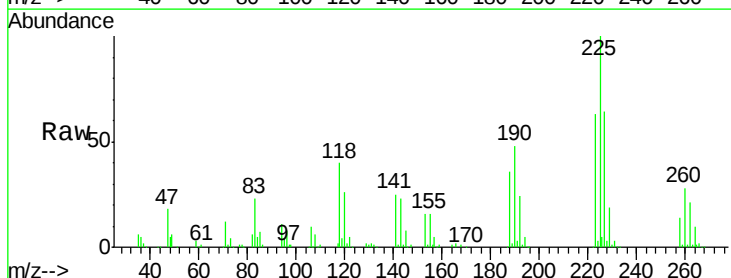
Manual Integrations
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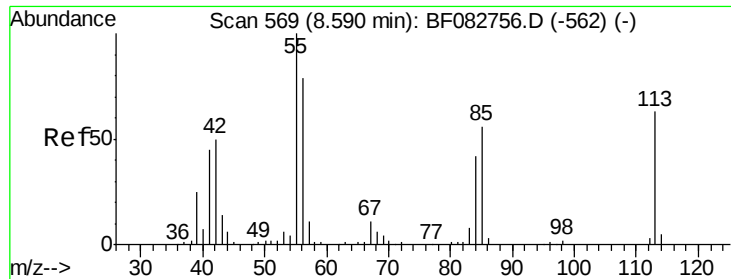
Mmdadoda
11/9/2015 2:10:28 PM



#34
Hexachlorobutadiene
Concen: 38.07 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	50.5	75.7		
227	64.2	50.2	75.2		





#35

Caprolactam

Concen: 46.47 ng/ml

RT: 8.57 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

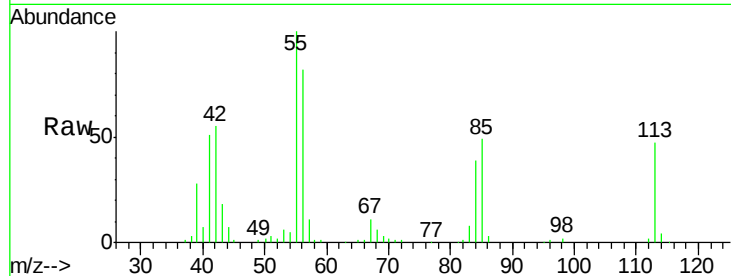
ClientSampleId :

PB86421BS

Tot Ion:	113	Resp:	131494
Ion Ratio	Lower	Upper	
113	100		
55	211.4	195.5	235.5
56	173.5	153.5	193.5

Manual Integrations
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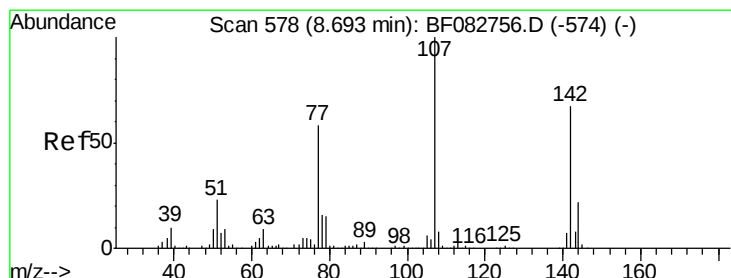
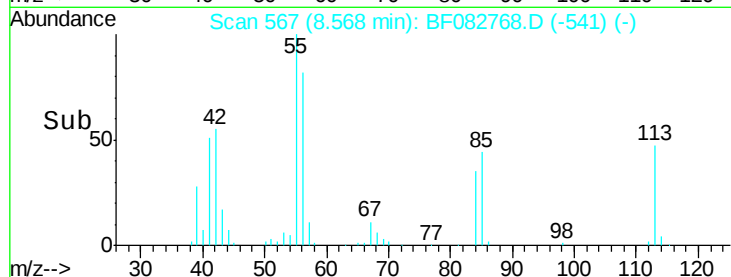
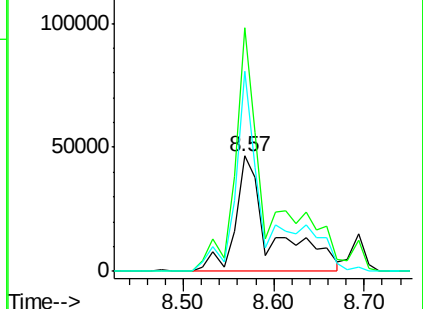
Mmdadoda
11/9/2015 2:10:28 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 50.32 ng/ml

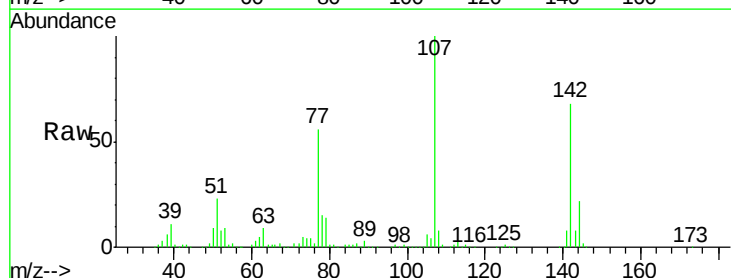
RT: 8.69 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

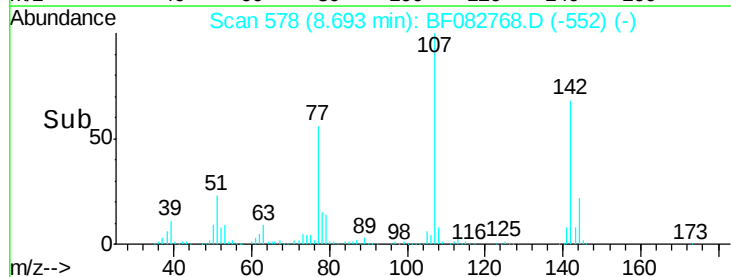
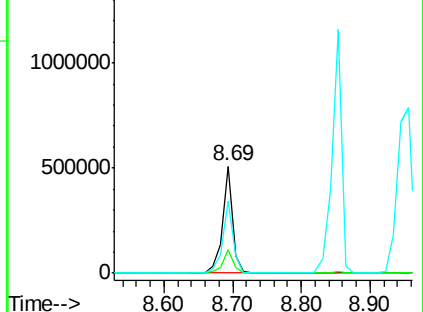
Tgt Ion:	107	Resp:	531133
Ion Ratio	Lower	Upper	
107	100		
144	21.8	15.4	23.0
142	68.2	47.8	71.8



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





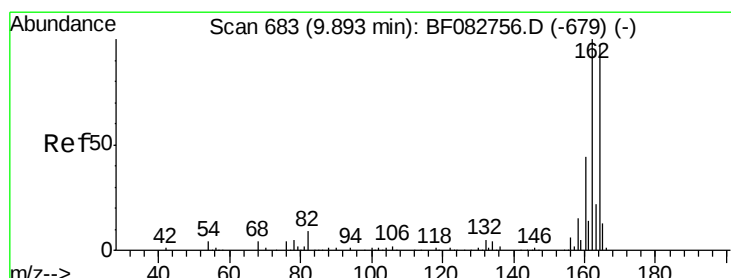
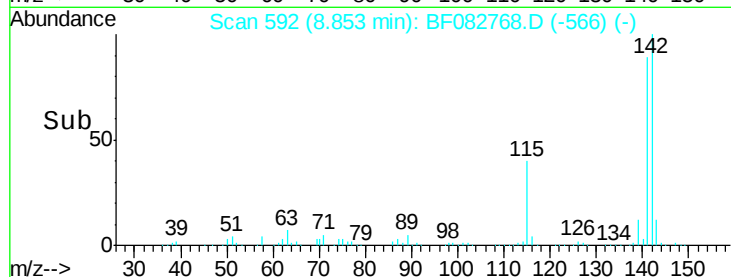
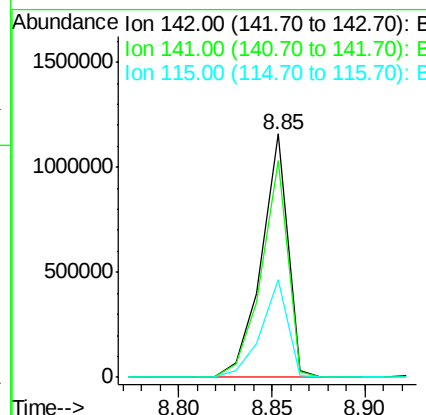
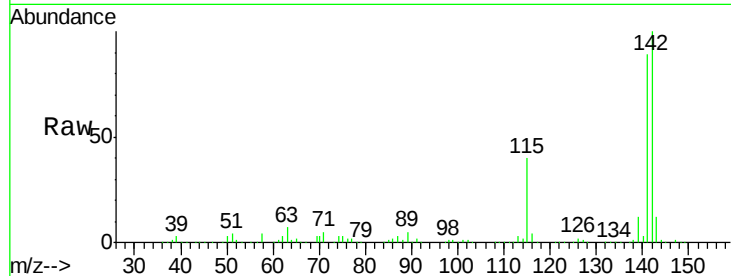
#37
2-Methylnaphthalene
Concen: 56.69 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.3	108.5
115	40.2	38.1	57.1

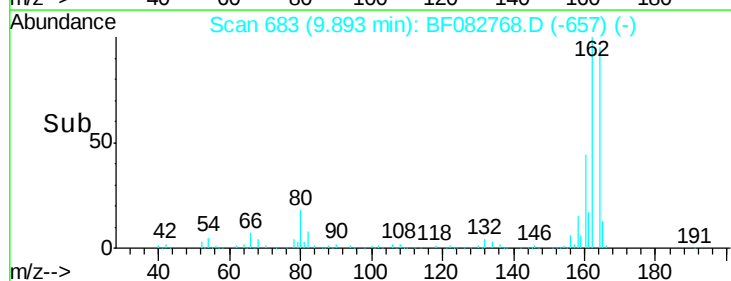
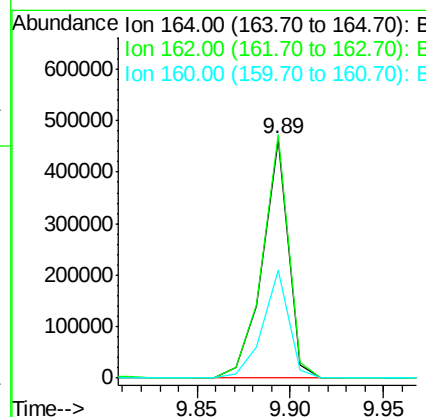
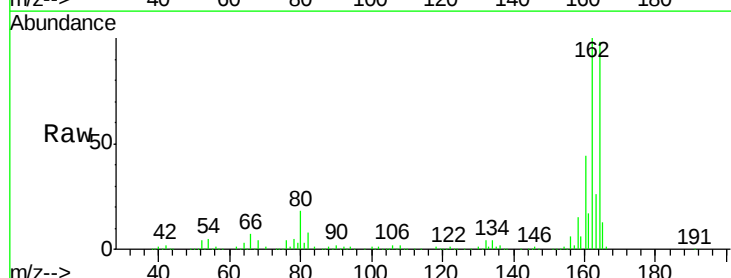
Manual Integrations
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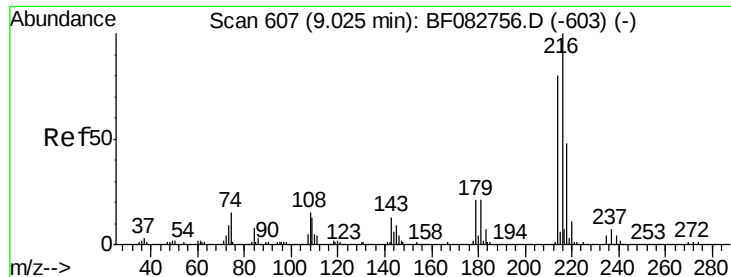
Mmdadoda
11/9/2015 2:10:28 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	84.9	127.3
160	45.0	37.5	56.3





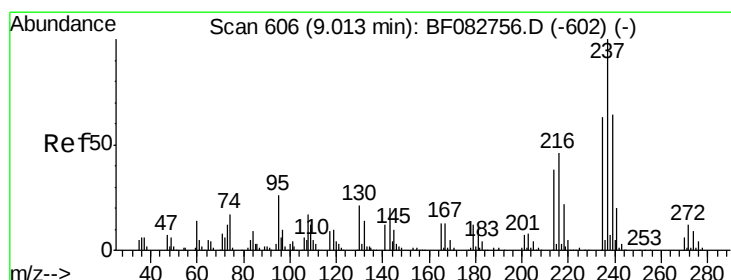
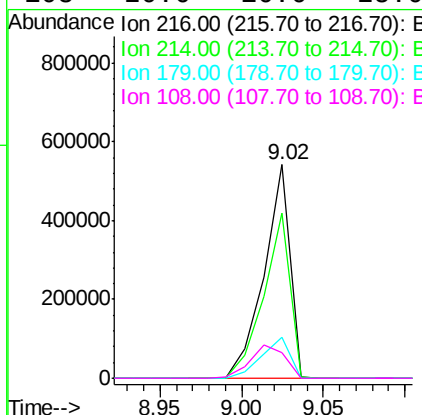
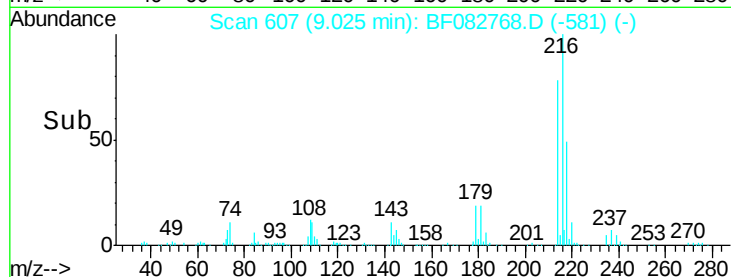
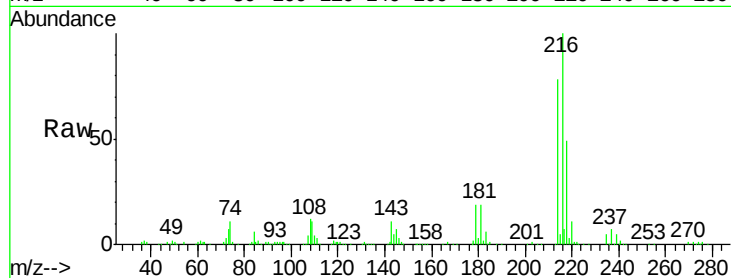
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.02 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		601682		
214	78.6	62.2	93.2		
179	21.0	18.1	27.1		
108	20.6	16.6	25.0		

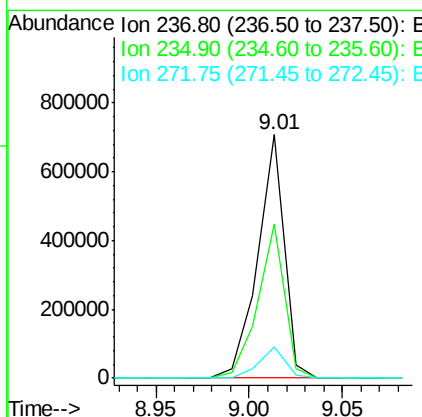
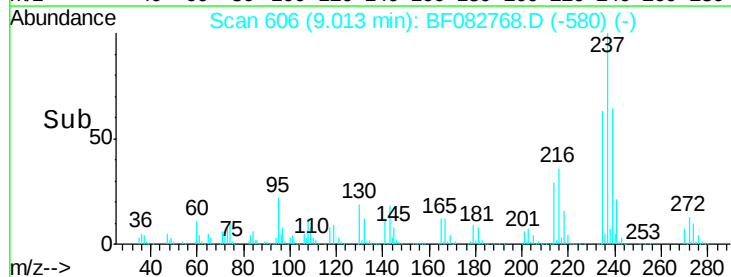
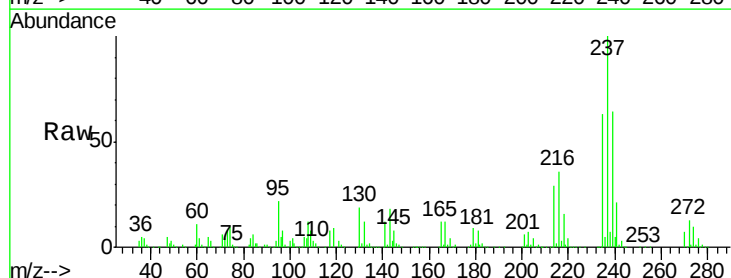
Manual Integrations
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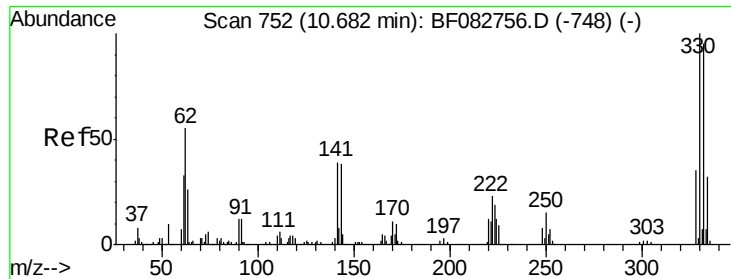
Mmdadoda
 11/9/2015 2:10:28 PM



#40
 Hexachlorocyclopentadiene
 Concen: 87.88 ng
 RT: 9.01 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		692484		
235	63.4	44.3	84.3		
272	12.6	0.0	31.9		





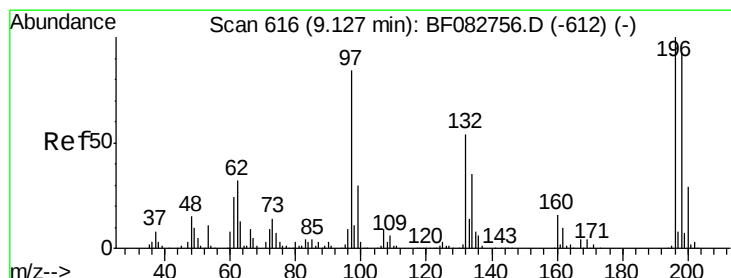
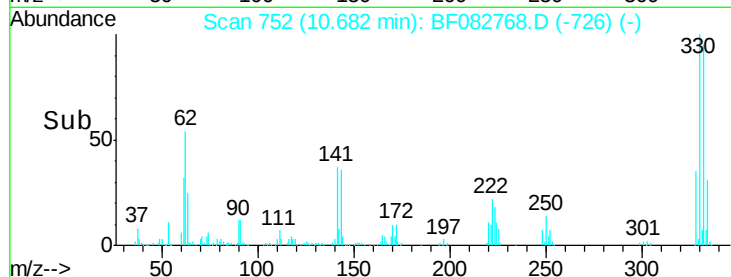
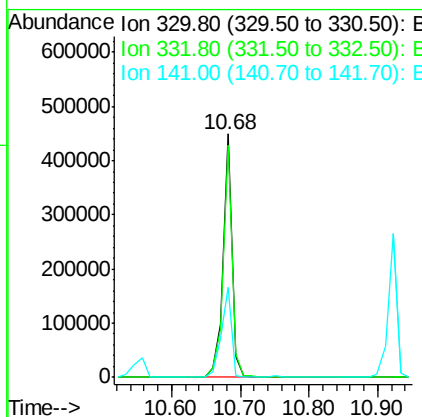
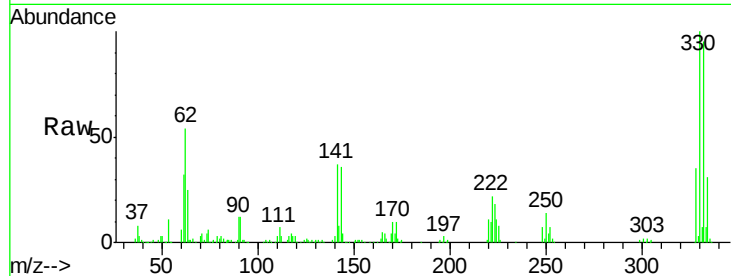
#41
 2,4,6-Tribromophenol
 Concen: 82.72 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	41.4	41.2	61.8

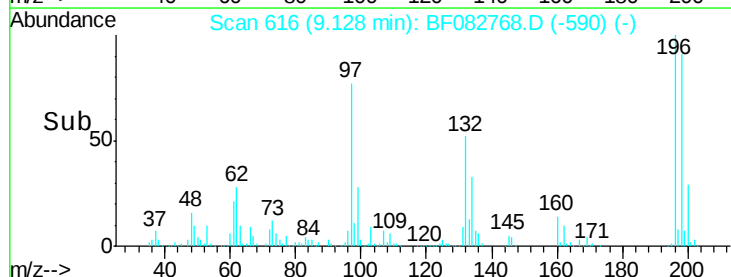
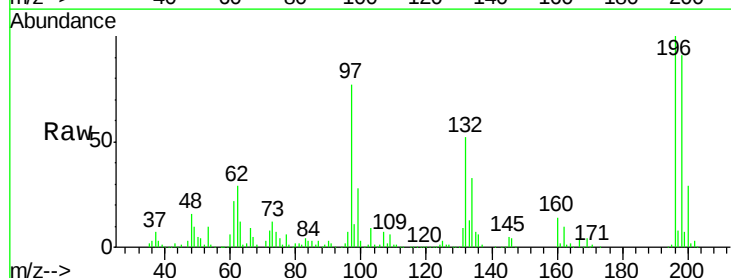
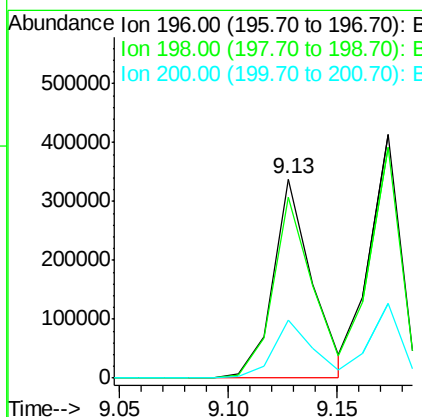
Manual Integrations
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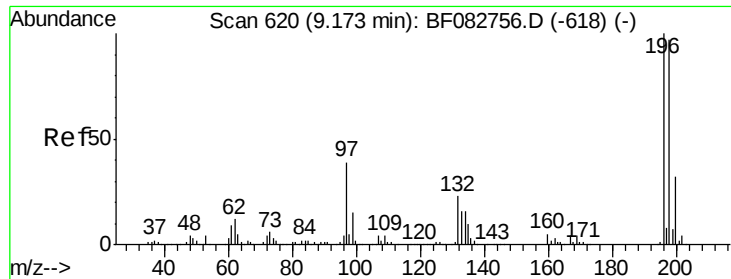
Mmdadoda
 11/9/2015 2:10:28 PM



#42
 2,4,6-Trichlorophenol
 Concen: 38.46 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

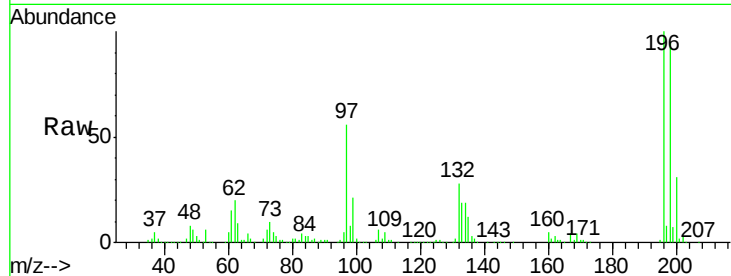
Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.1	76.3	114.5
200	29.3	23.9	35.9





#43
2,4,5-Trichlorophenol
Concen: 38.40 ng
RT: 9.17 min Scan# 620
Delta R.T. 0.01 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

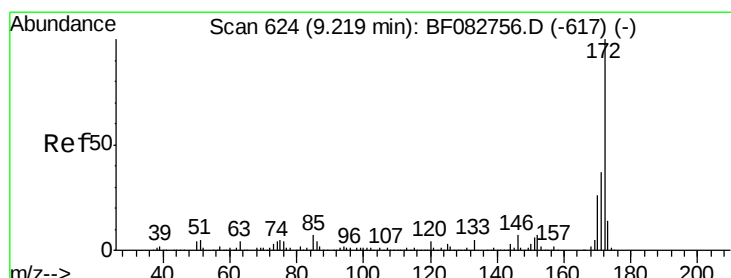
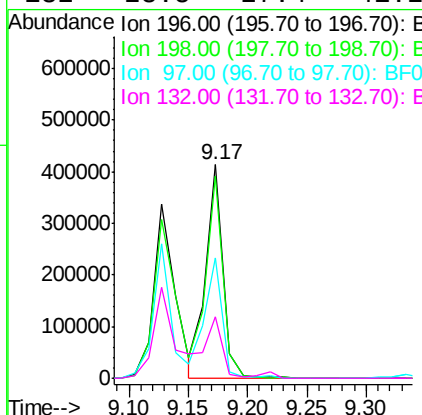
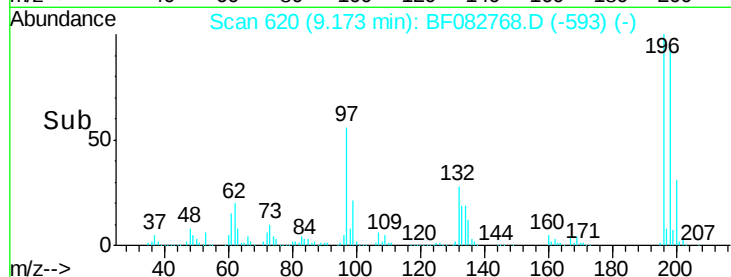
Instrument :
BNA_F
ClientSampleId :
PB86421BS



Tot Ion	Ratio	Resp	Lower	Upper
196	100	415740		
198	94.9	75.8	113.8	
97	56.4	62.3	93.5	
132	28.5	27.4	41.2	

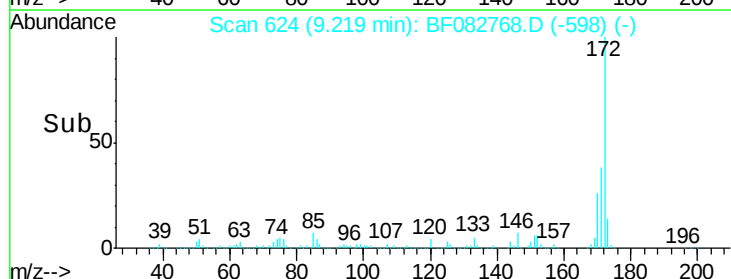
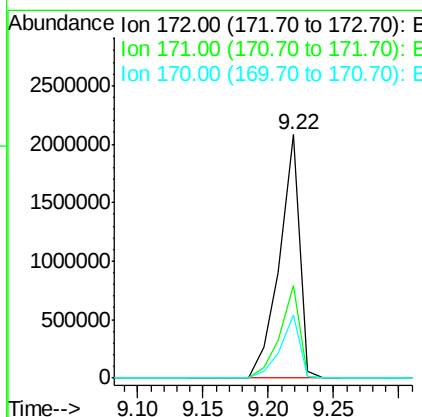
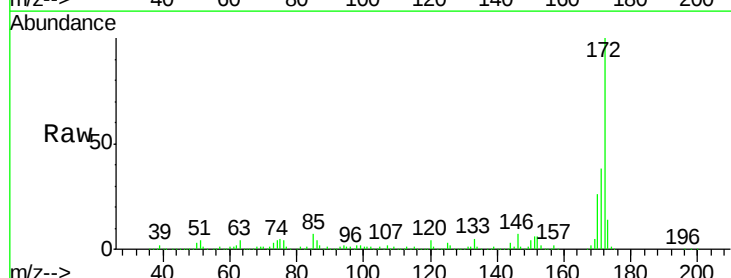
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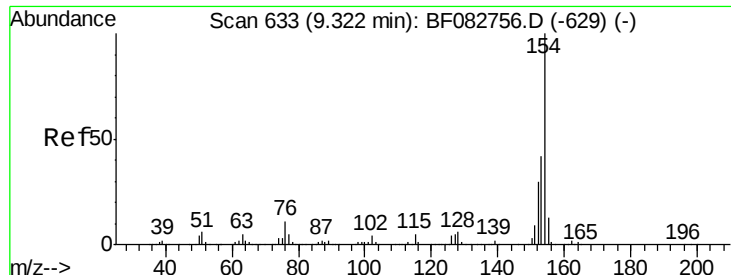
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#44
2-Fluorobiphenyl
Concen: 72.85 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2268422		
171	38.1	30.8	46.2	
170	25.8	21.2	31.8	





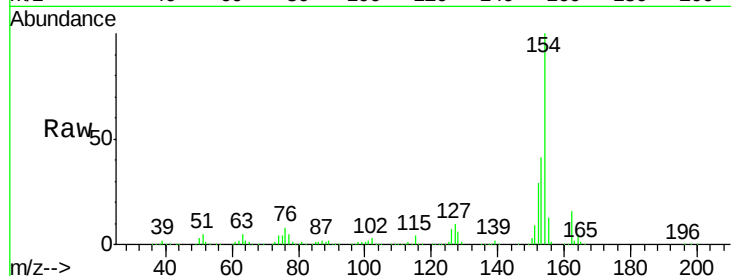
#45
 1,1'-Biphenyl
 Concen: 32.06 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

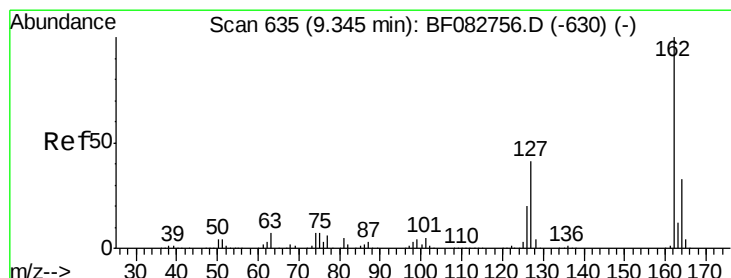
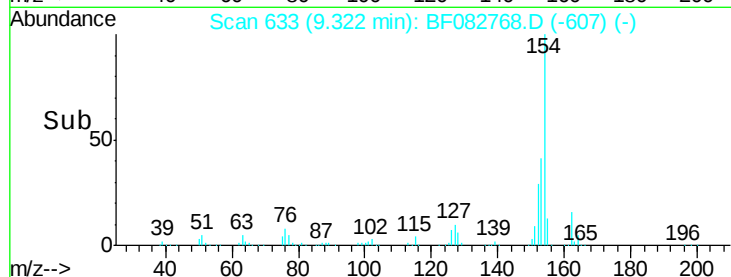
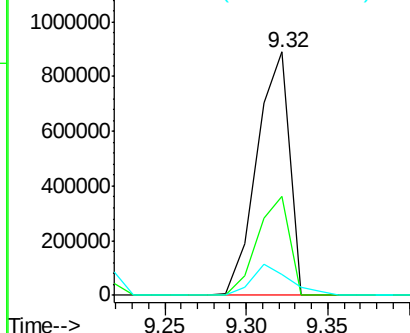
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	22.0	62.0
76	8.5	0.0	29.0

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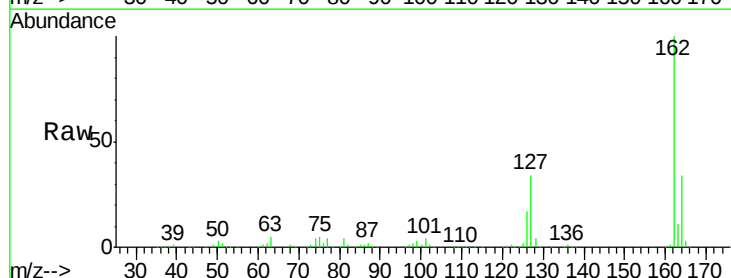


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

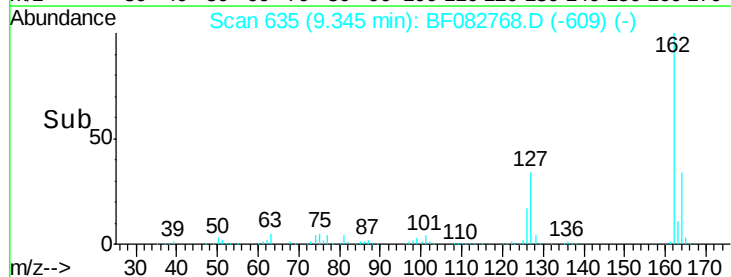
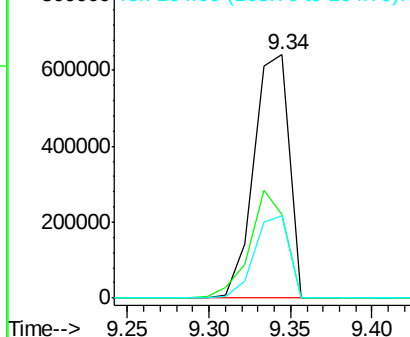


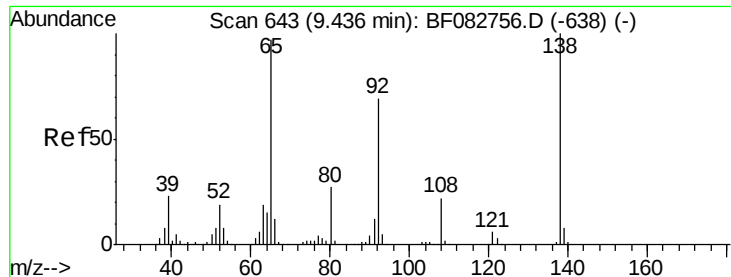
#46
 2-Chloronaphthalene
 Concen: 32.24 ng
 RT: 9.34 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.2	32.7	49.1
164	34.0	27.4	41.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





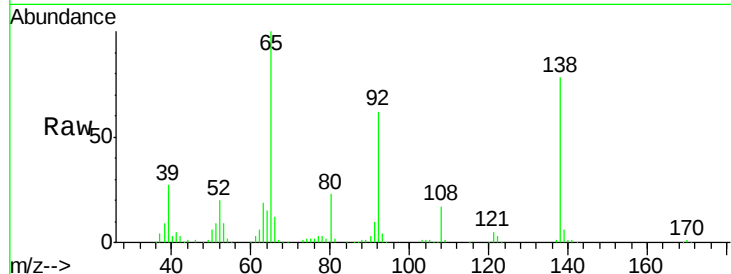
#47
2-Nitroaniline
Concen: 33.54 ng
RT: 9.42 min Scan# 642
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

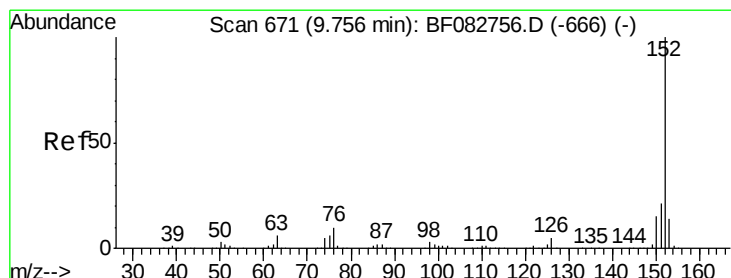
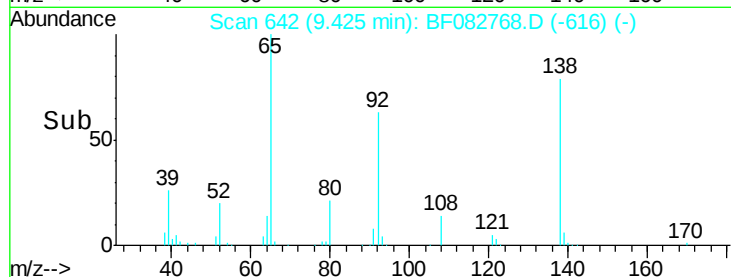
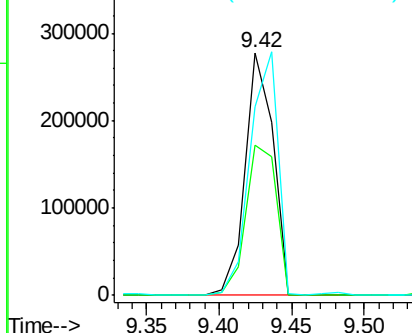
Tot Ion	Ratio	Lower	Upper
65	100		
92	62.0	46.6	70.0
138	77.9	54.6	81.8

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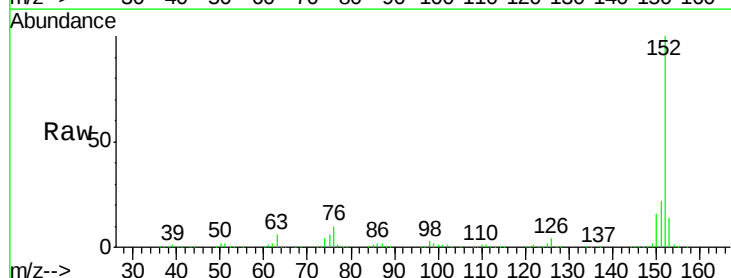


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

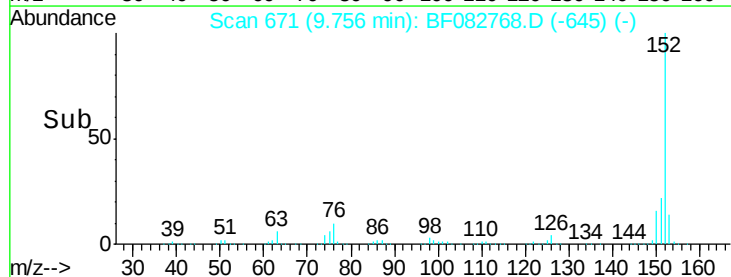
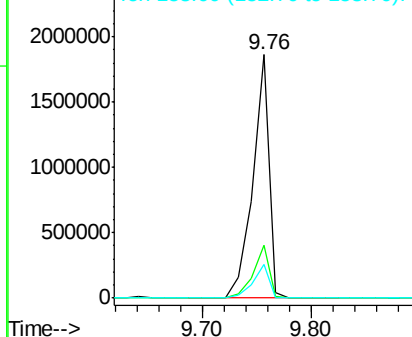


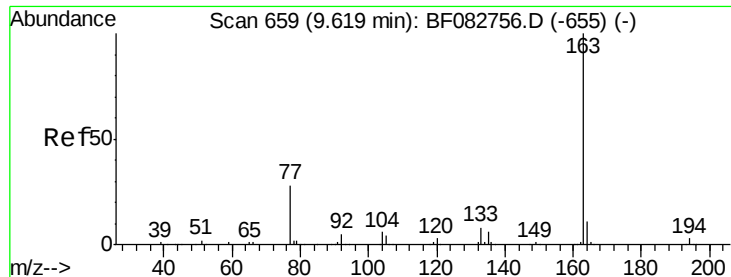
#48
Acenaphthylene
Concen: 41.32 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.3	25.9
153	13.8	11.3	16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





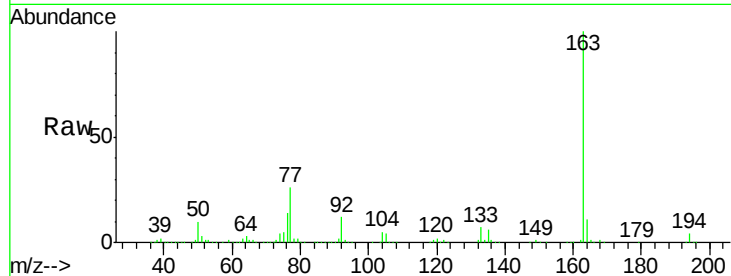
#49
Dimethylphthalate
Concen: 38.04 ng
RT: 9.62 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.9	8.7	13.1

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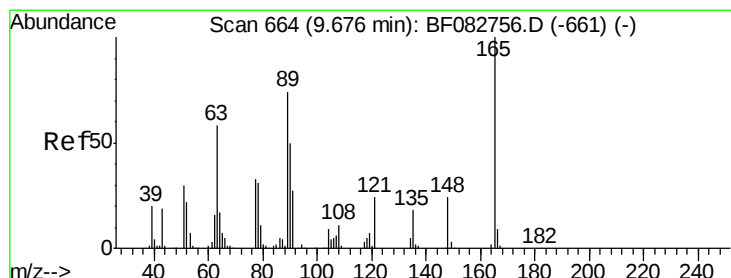
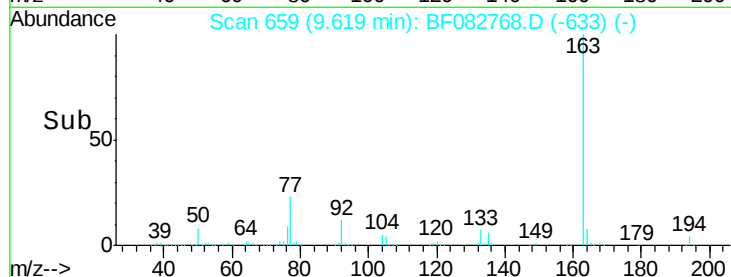
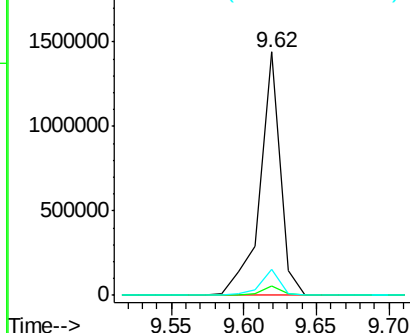


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
2,6-Dinitrotoluene
Concen: 43.62 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

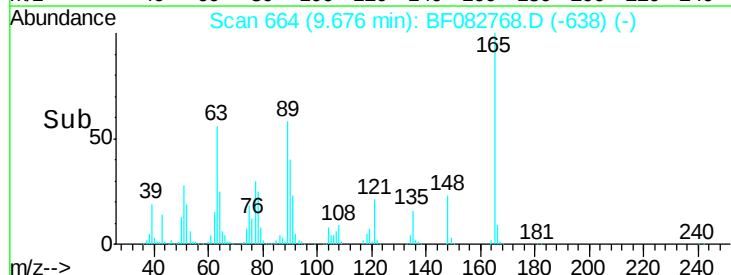
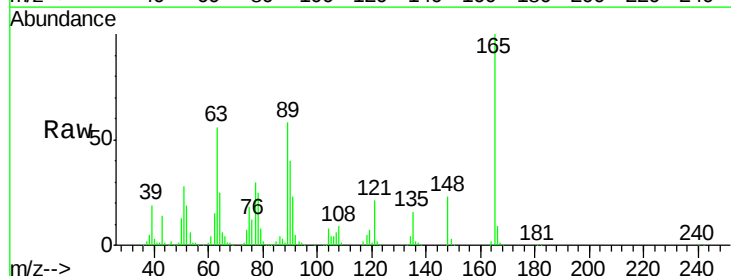
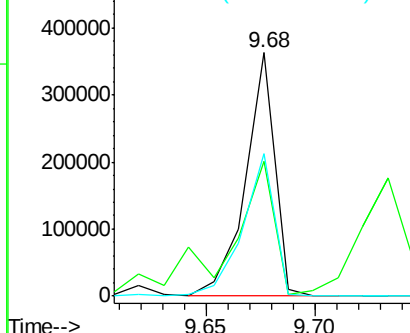
Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.5	55.5	83.3#
89	58.4	55.0	82.6

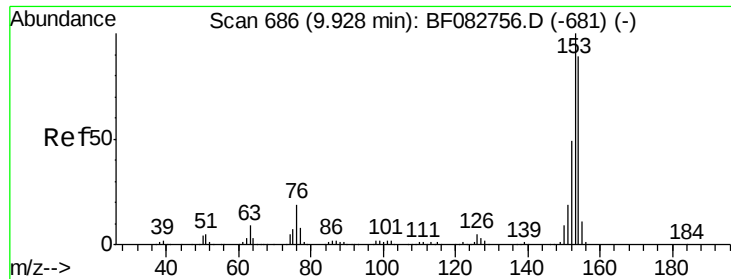
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.67 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

PB86421BS

Tot Ion:154 Resp: 1206735

Ion Ratio Lower Upper

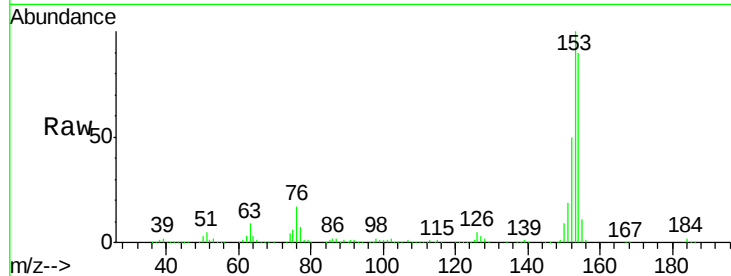
154 100

153 111.7 90.1 135.1

152 55.5 44.3 66.5

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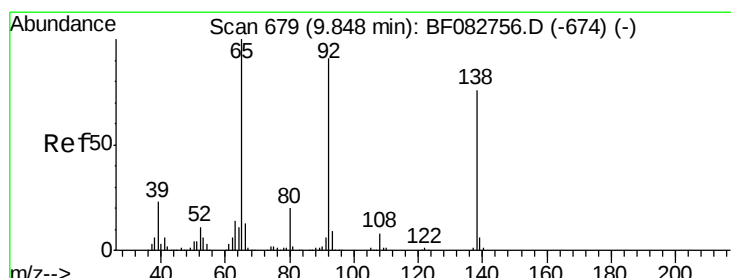
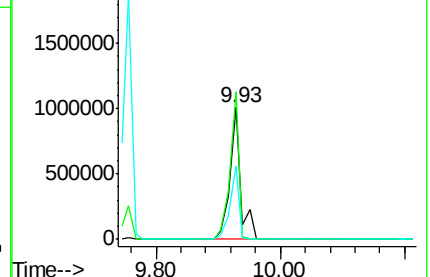
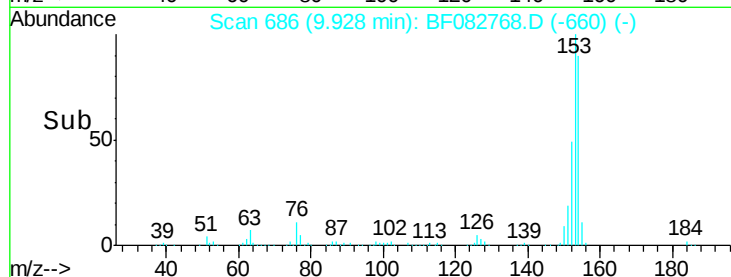
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.18 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

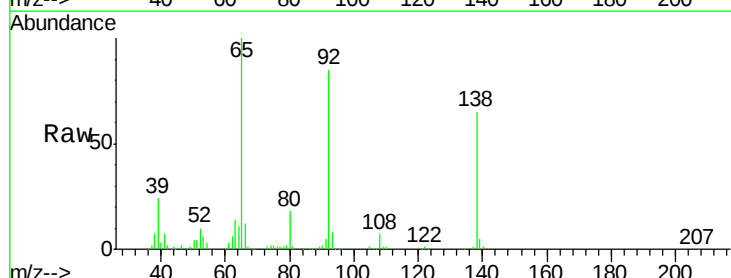
Tgt Ion:138 Resp: 156010

Ion Ratio Lower Upper

138 100

108 11.0 11.3 16.9#

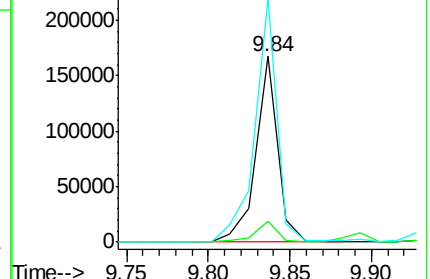
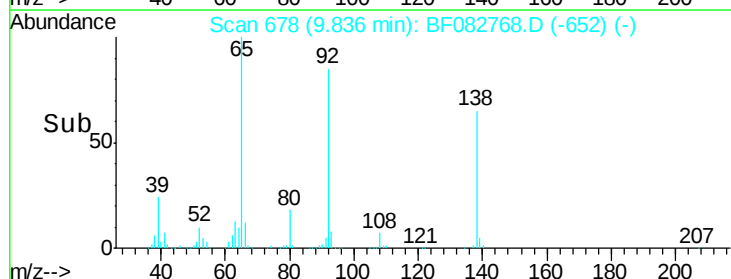
92 130.9 122.4 183.6

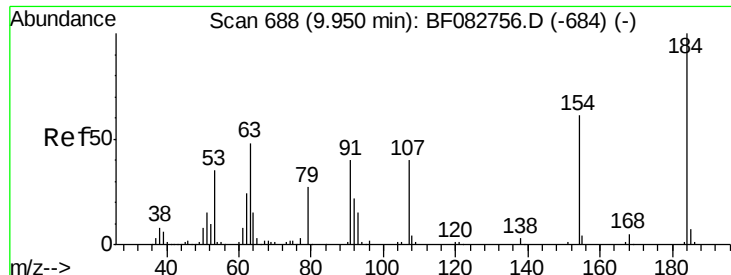


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





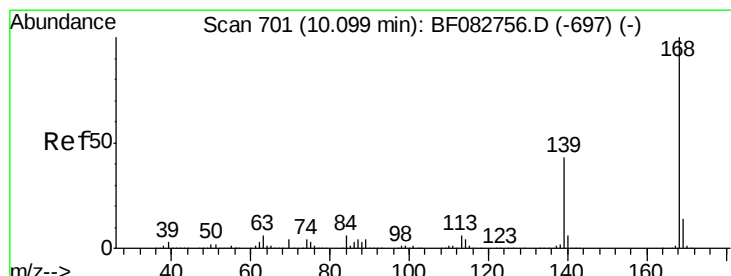
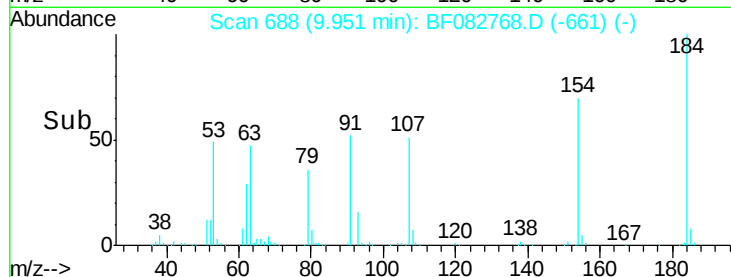
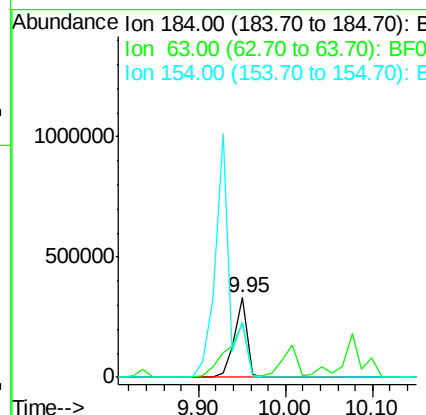
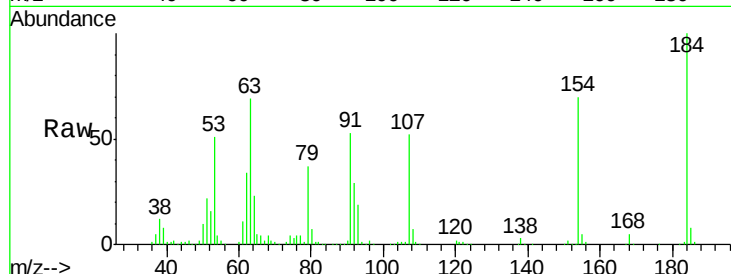
#53
 2,4-Dinitrophenol
 Concen: 78.70 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	337121		
63	68.8	98.6	148.0#	
154	70.3	183.9	275.9#	

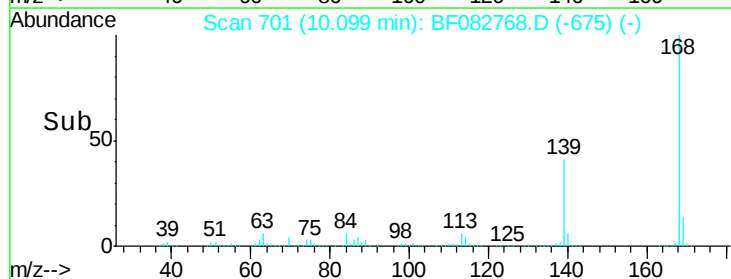
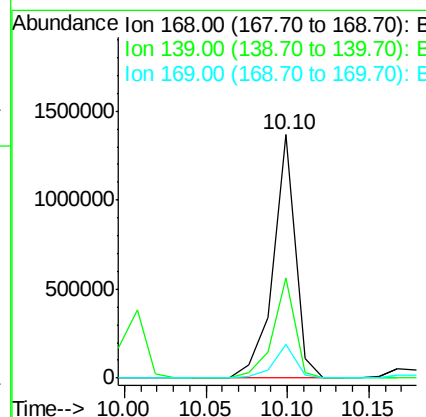
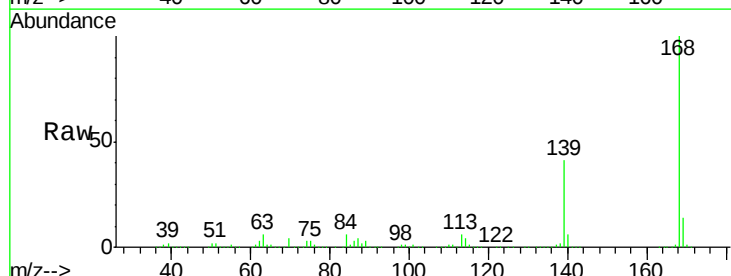
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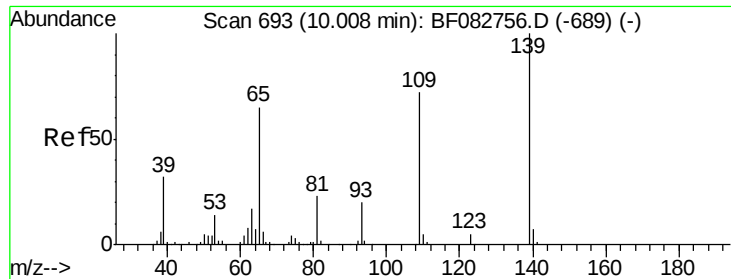
Mmdadoda
 11/9/2015 2:10:28 PM



#54
 Dibenzofuran
 Concen: 32.48 ng
 RT: 10.10 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1299146		
139	41.0	37.8	56.6	
169	13.8	11.3	16.9	





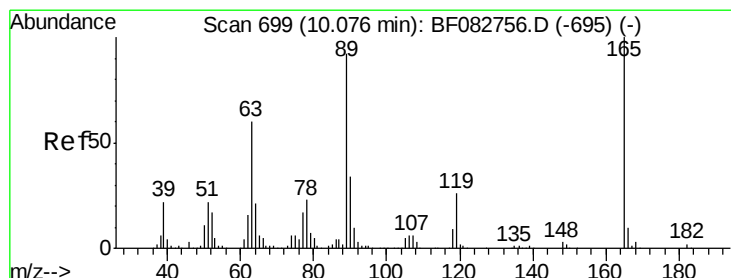
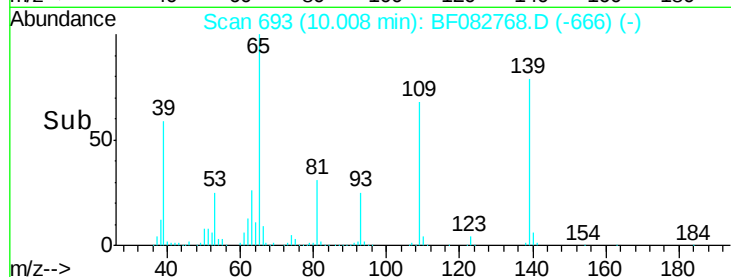
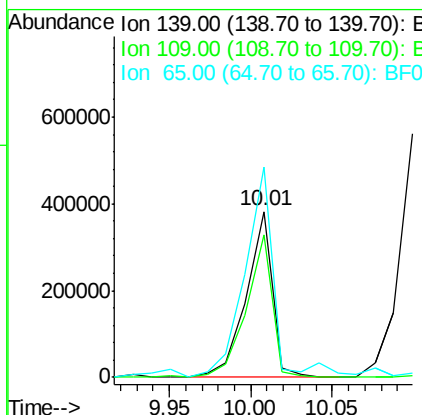
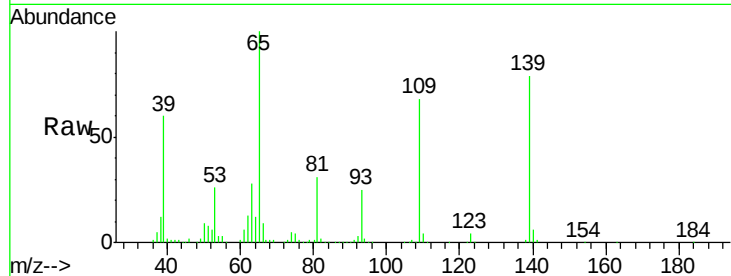
#55
4-Nitrophenol
Concen: 65.15 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	85.9	73.7	113.7	
65	126.3	82.9	122.9	

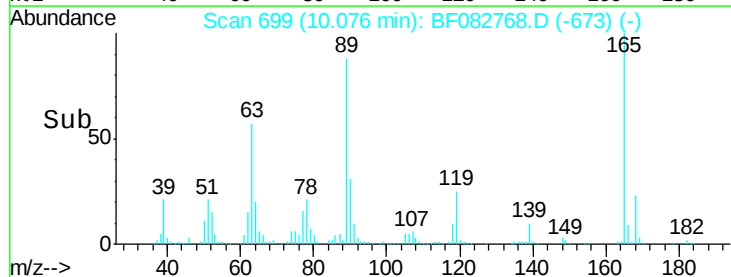
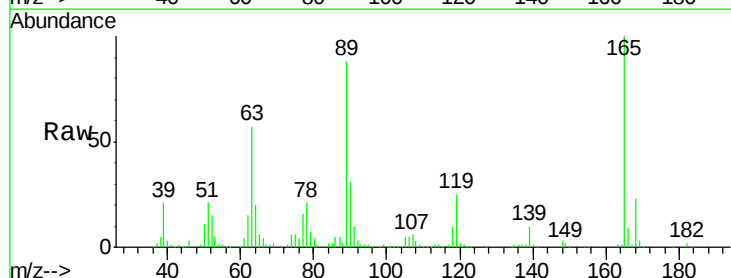
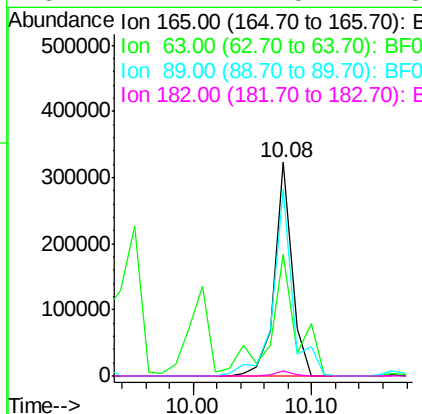
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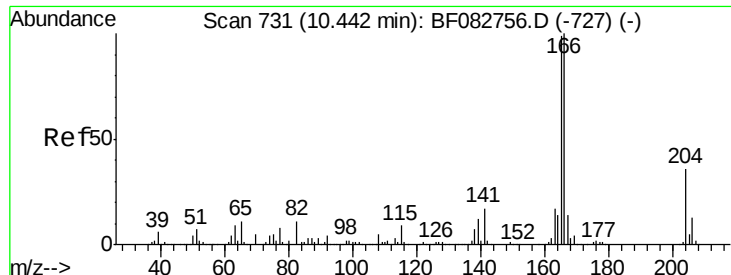
Mmdadoda
11/9/2015 2:10:28 PM



#56
2,4-Dinitrotoluene
Concen: 31.18 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	56.7	43.4	65.0	
89	87.8	70.6	106.0	
182	2.2	1.5	2.3	





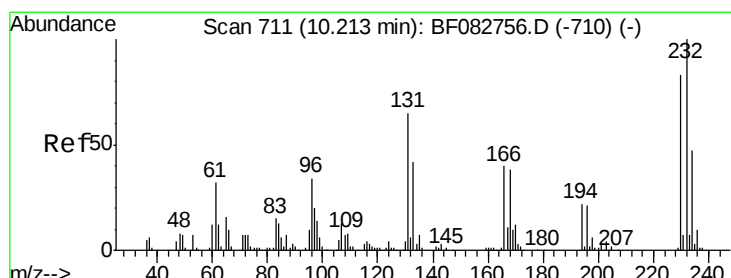
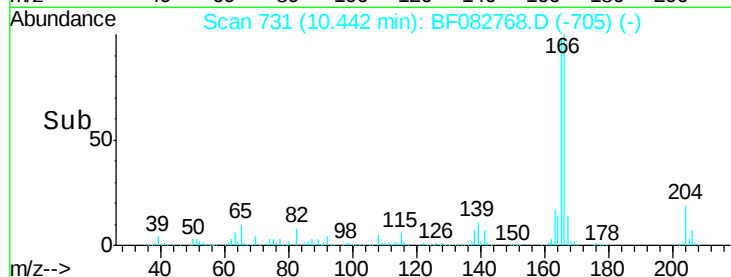
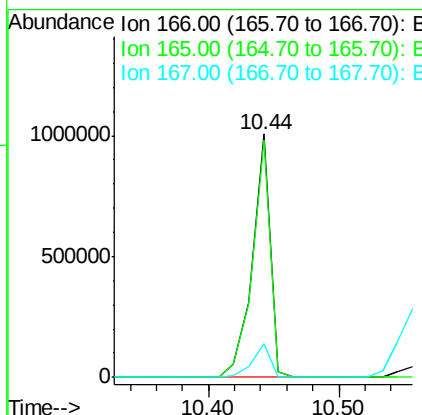
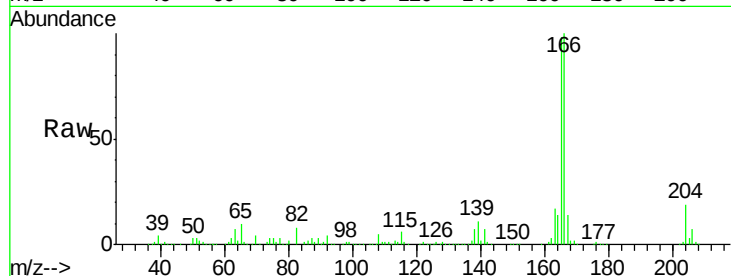
#57
 Fluorene
 Concen: 29.60 ng
 RT: 10.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	958925		
165	97.6	80.2	120.4	
167	13.7	11.2	16.8	

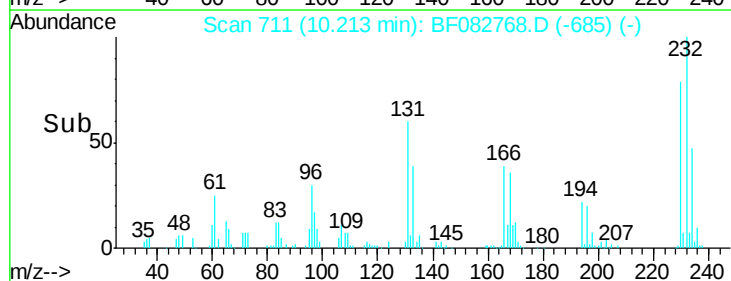
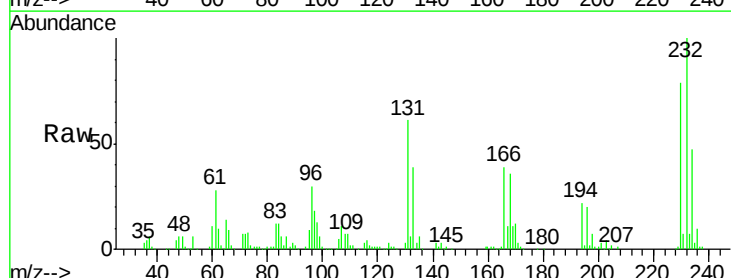
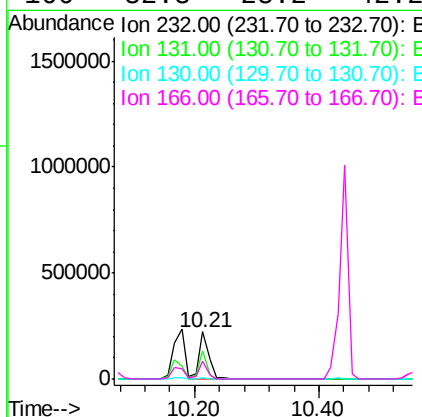
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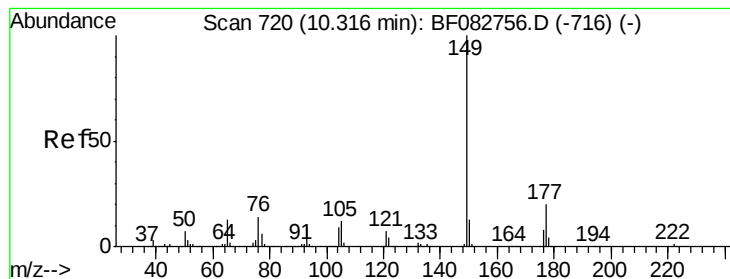
Mmdadoda
 11/9/2015 2:10:28 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 27.55 ng
 RT: 10.21 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	243461		
131	49.7	46.2	69.2	
130	2.5	2.4	3.6	
166	32.3	28.2	42.2	





#59

Diethylphthalate

Concen: 26.83 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

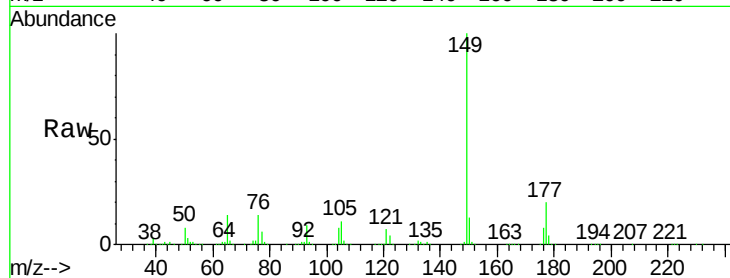
ClientSampleId :

PB86421BS

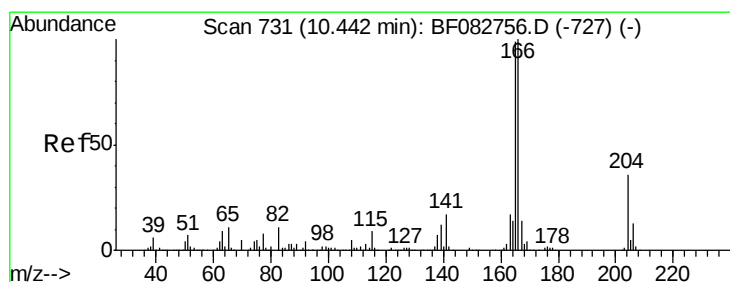
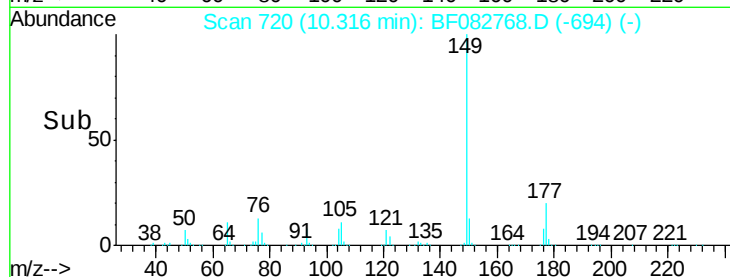
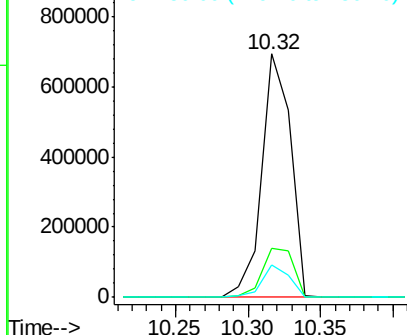
Tot Ion:	149	Resp:	957824
Ion Ratio	Lower	Upper	
149	100		
177	20.4	17.9	26.9
150	13.3	10.1	15.1

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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: 24.74 ng

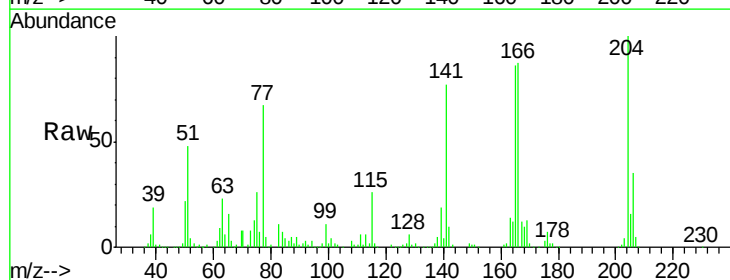
RT: 10.43 min Scan# 730

Delta R.T. 0.00 min

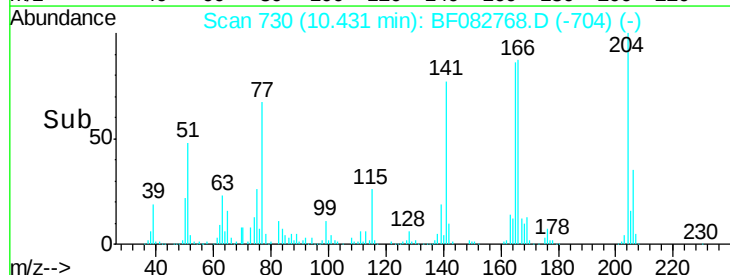
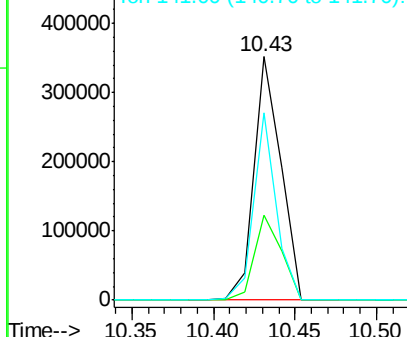
Lab File: BF082768.D

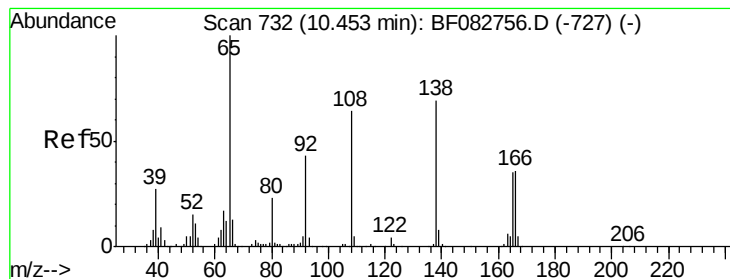
Acq: 6 Nov 2015 18:31

Tgt Ion:	204	Resp:	400979
Ion Ratio	Lower	Upper	
204	100		
206	34.6	28.5	42.7
141	77.1	44.6	66.8#



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





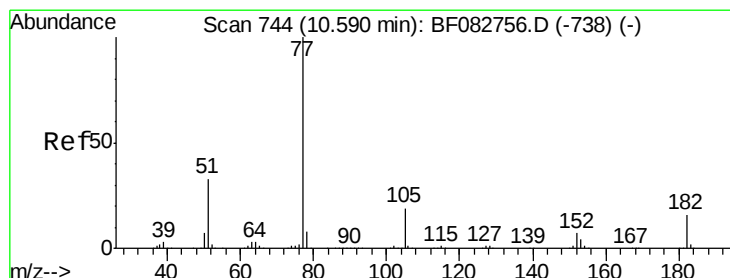
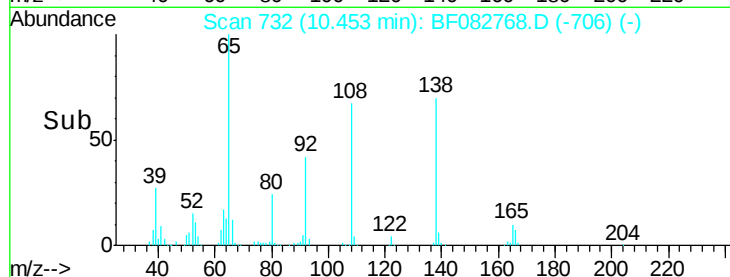
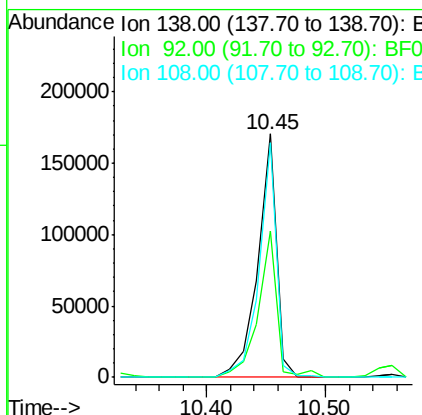
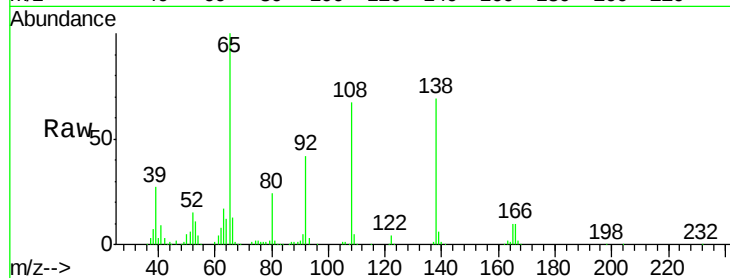
#61
4-Nitroaniline
Concen: 21.99 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	60.3	45.8	85.8
108	96.4	89.4	129.4

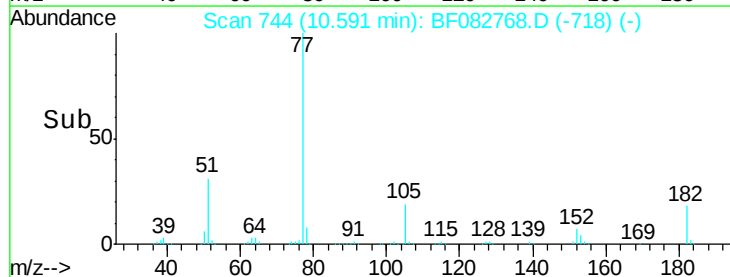
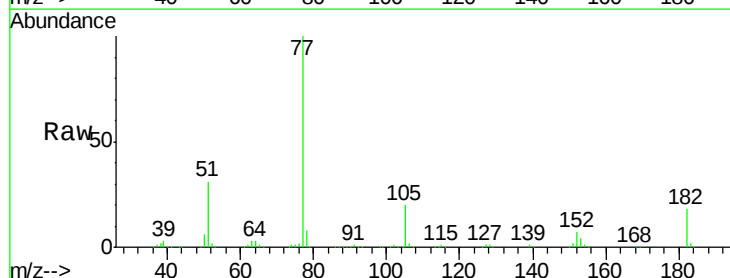
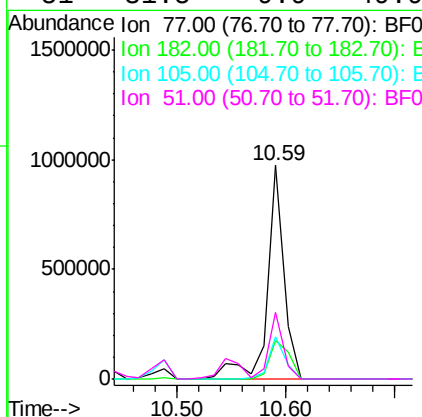
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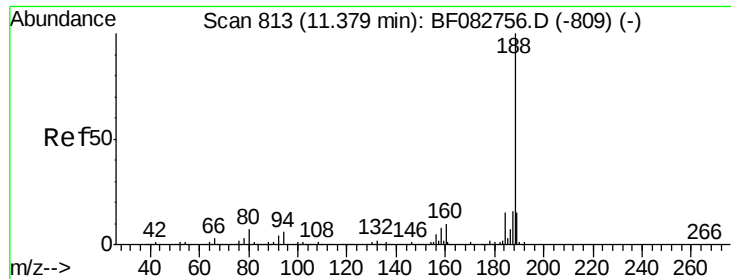
Mmdadoda
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#62
Azobenzene
Concen: 27.52 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.8	9.3	49.3
105	19.6	2.6	42.6
51	31.5	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

PB86421BS

Tot Ion:188 Resp: 575588

Ion Ratio Lower Upper

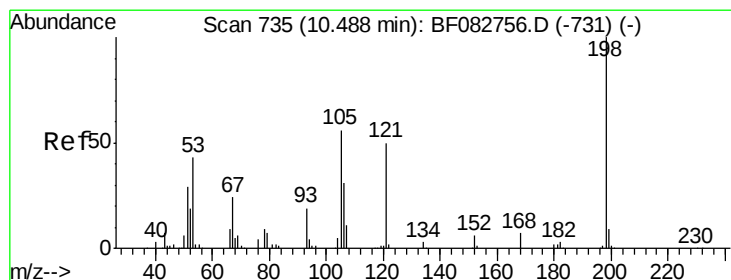
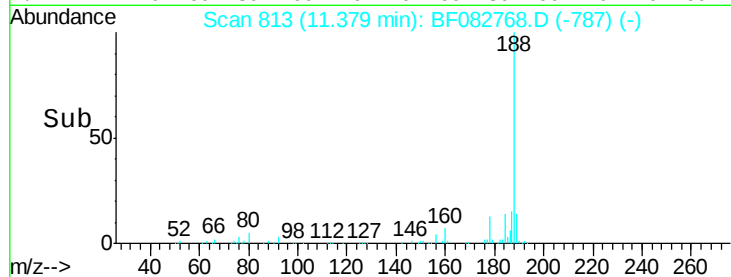
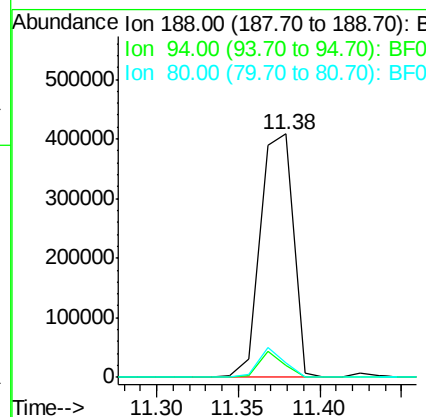
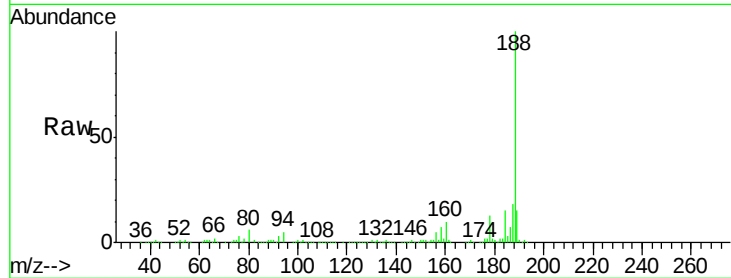
188 100

94 5.1 6.1 9.1#

80 5.9 7.0 10.6#

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#64

4,6-Dinitro-2-methylphenol

Concen: 43.47 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

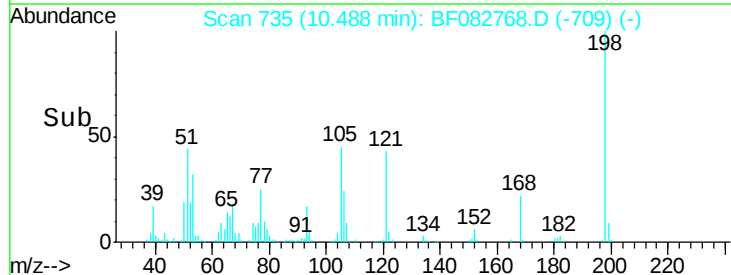
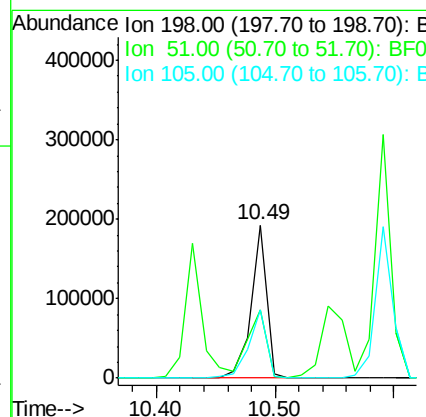
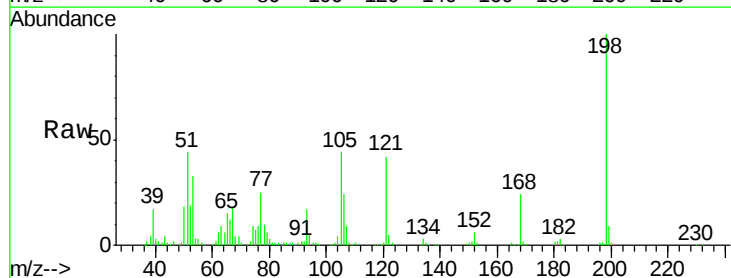
Tgt Ion:198 Resp: 178274

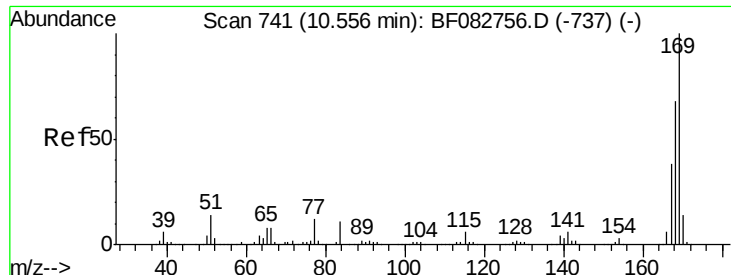
Ion Ratio Lower Upper

198 100

51 44.5 17.3 57.3

105 44.5 21.7 61.7





#65

n-Nitrosodiphenylamine

Concen: 39.89 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

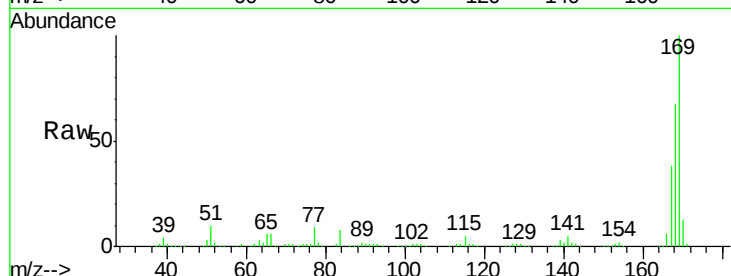
ClientSampleId :

PB86421BS

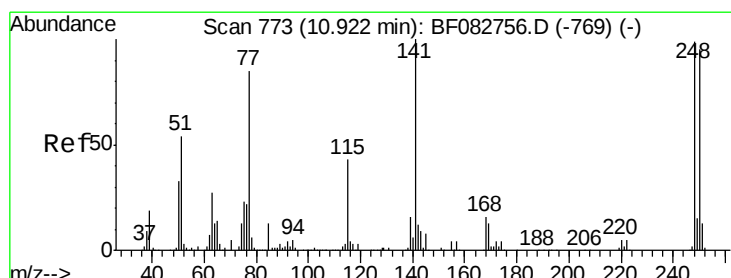
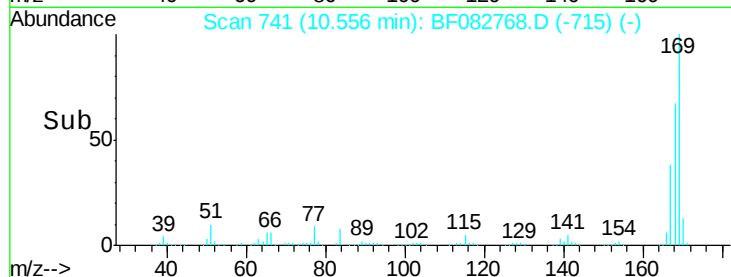
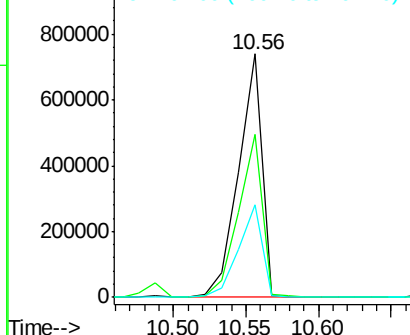
Tot Ion:	169	Resp:	829480
Ion Ratio	Lower	Upper	
169	100		
168	67.1	55.0	82.6
167	38.1	30.5	45.7

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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: 38.77 ng

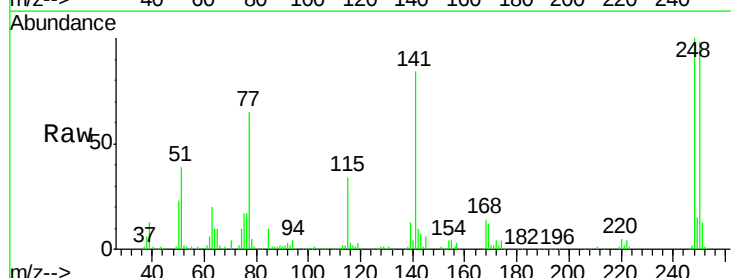
RT: 10.92 min Scan# 773

Delta R.T. 0.00 min

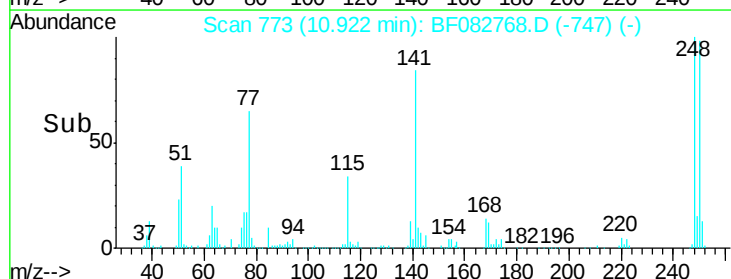
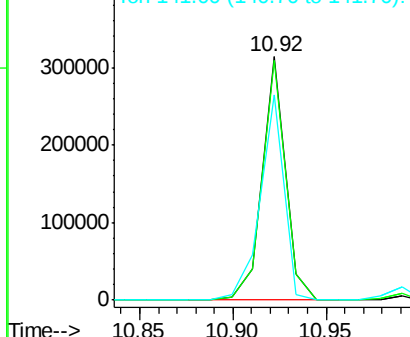
Lab File: BF082768.D

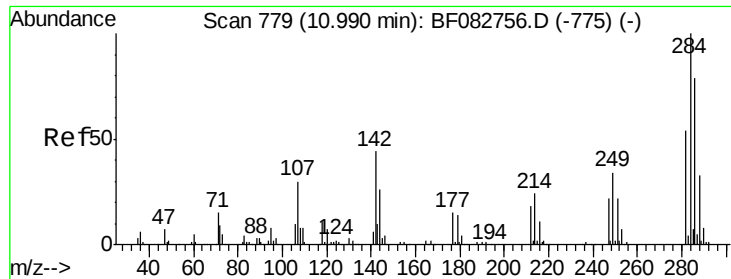
Acq: 6 Nov 2015 18:31

Tgt Ion:	248	Resp:	268710
Ion Ratio	Lower	Upper	
248	100		
250	98.2	79.4	119.2
141	84.5	36.3	54.5#



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: 38.96 ng

RT: 10.99 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

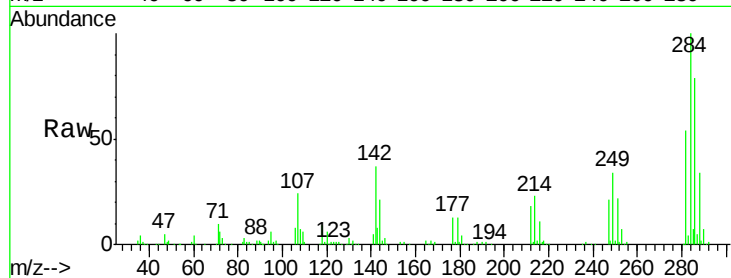
ClientSampleId :

PB86421BS

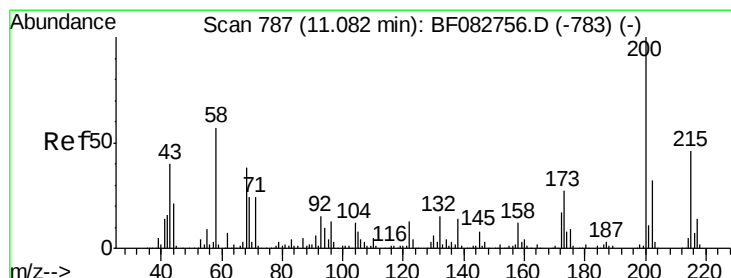
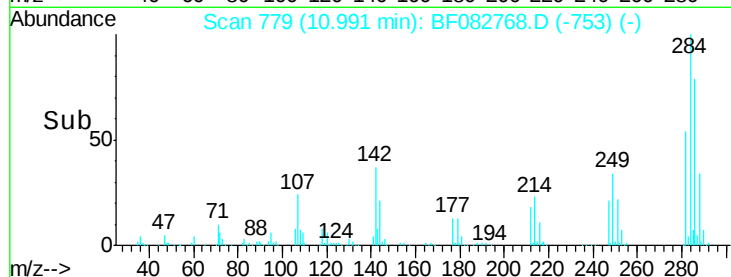
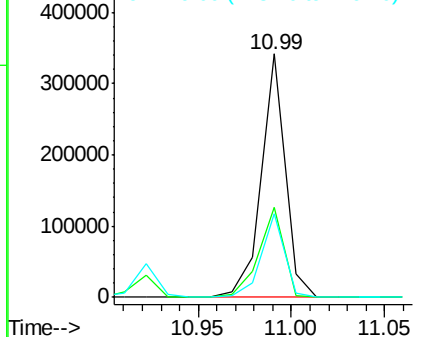
Tot Ion:	284	Resp:	301467
Ion Ratio		Lower	Upper
284	100		
142	37.1	47.9	71.9#
249	34.3	29.7	44.5

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



#68

Atrazine

Concen: 43.21 ng

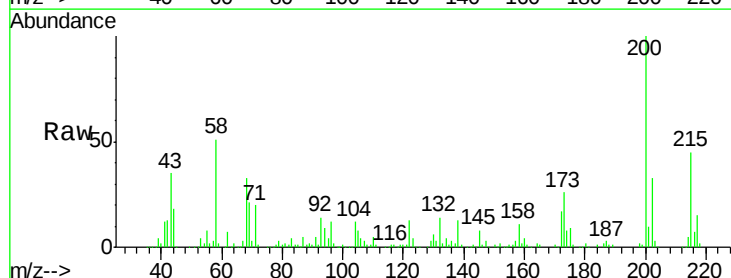
RT: 11.08 min Scan# 787

Delta R.T. 0.00 min

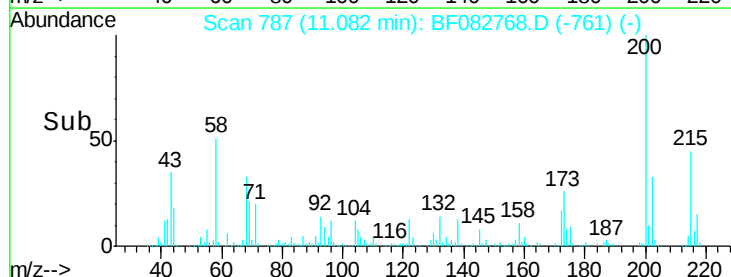
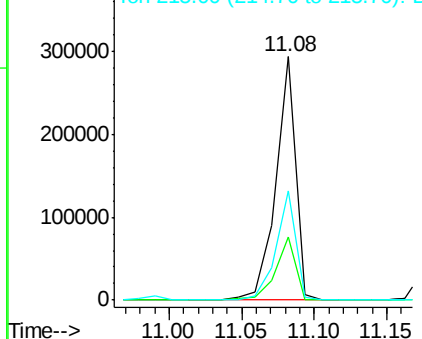
Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	200	Resp:	277843
Ion Ratio		Lower	Upper
200	100		
173	26.1	6.9	46.9
215	44.8	22.9	62.9



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





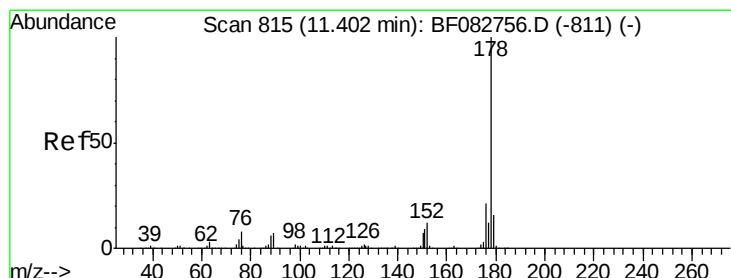
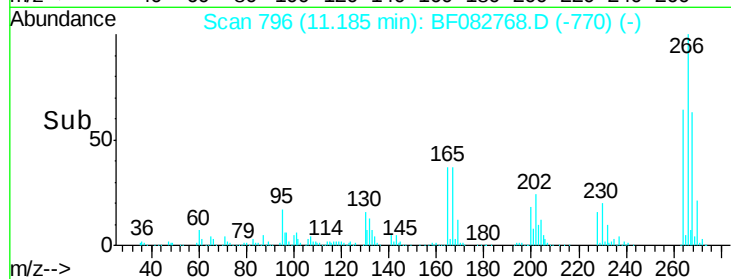
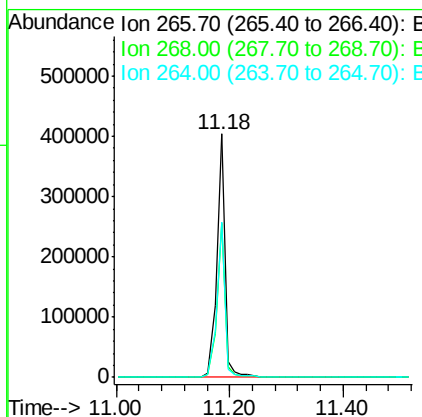
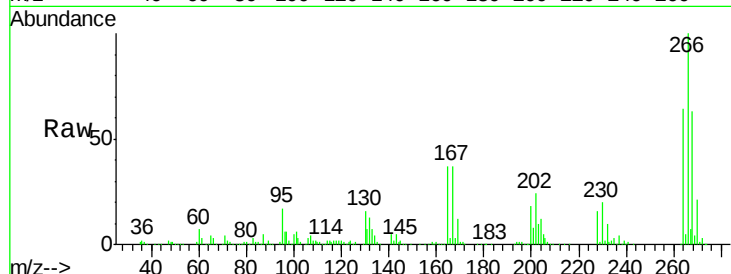
#69
 Pentachlorophenol
 Concen: 85.73 ng
 RT: 11.18 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.5	51.0	76.6	
264	64.0	50.6	75.8	

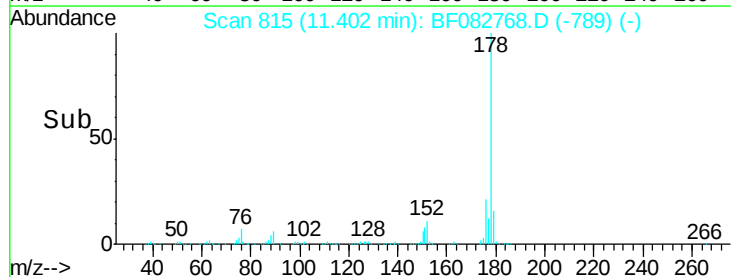
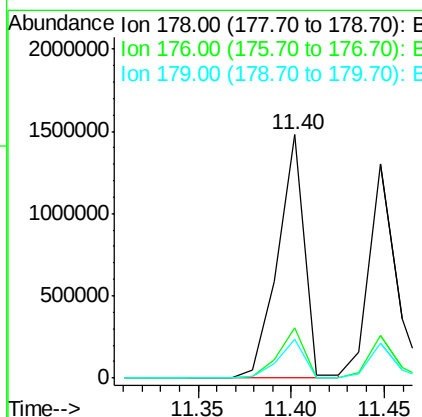
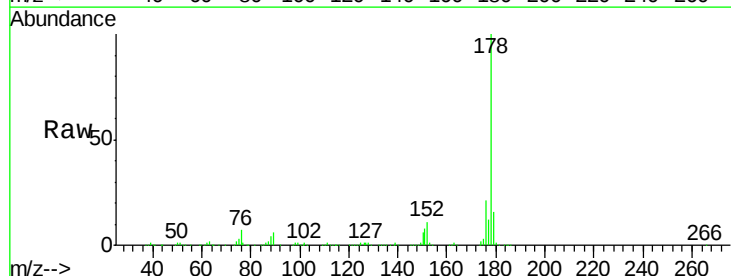
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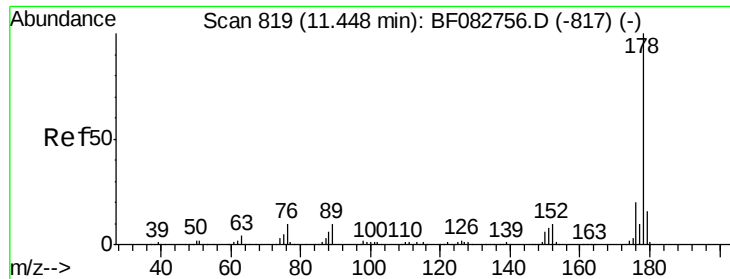
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#70
 Phenanthrene
 Concen: 44.33 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.5	17.0	25.4	
179	15.9	13.4	20.0	





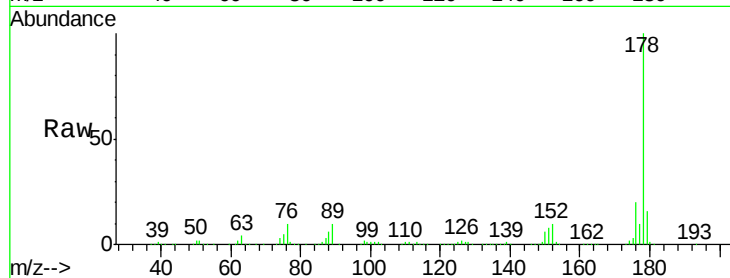
#71
 Anthracene
 Concen: 35.69 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

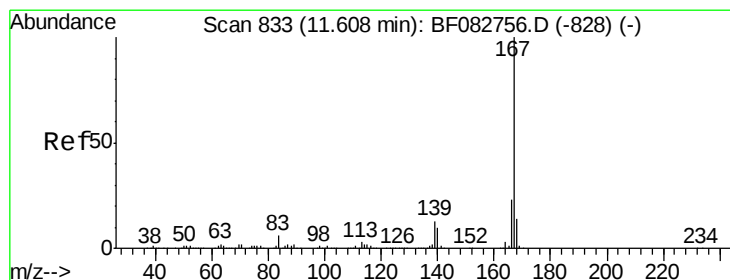
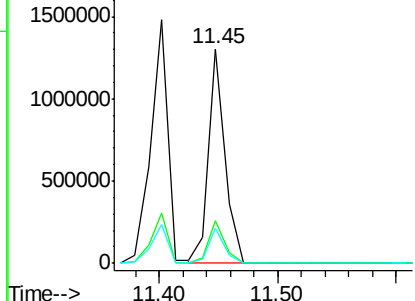
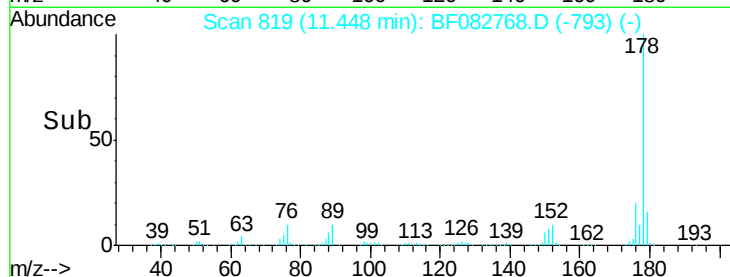
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	16.4	13.2	19.8

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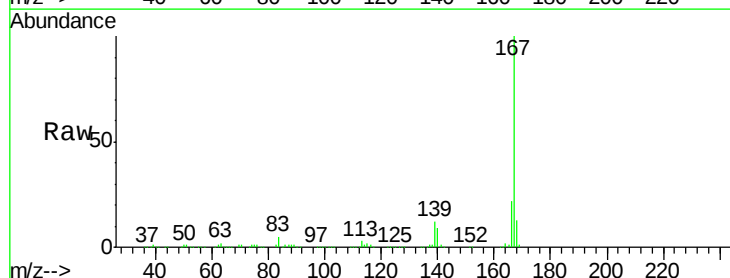


Abundance Ion 178.00 (177.70 to 178.70): E
 2000000
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

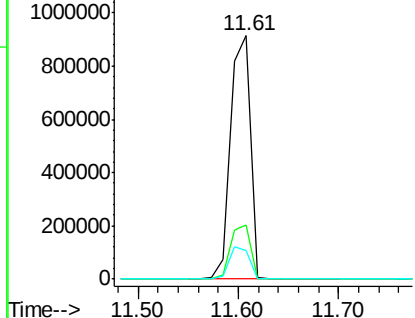
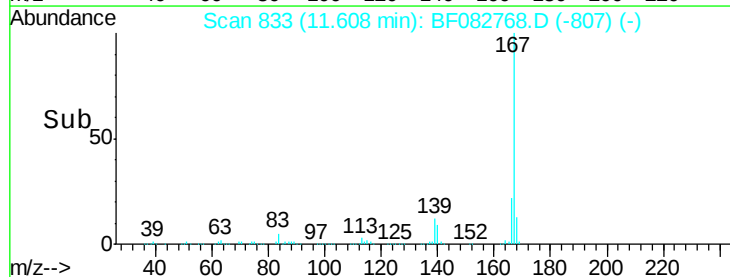


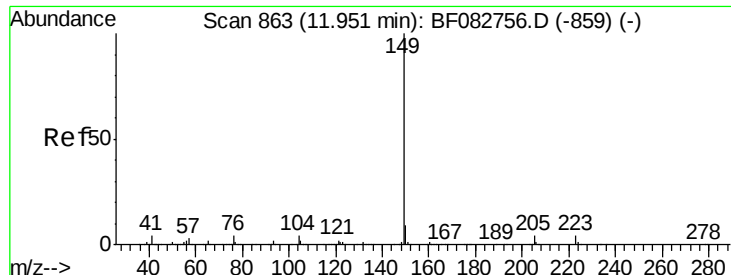
#72
 Carbazole
 Concen: 40.69 ng
 RT: 11.61 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.7	28.1
139	11.8	11.8	17.6



Abundance Ion 167.00 (166.70 to 167.70): E
 1200000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 36.65 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

ClientSampleId :

PB86421BS

Tot Ion:149 Resp: 1407318

Ion Ratio Lower Upper

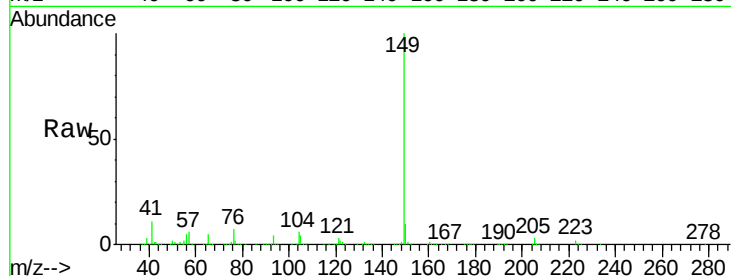
149 100

150 9.6 8.1 12.1

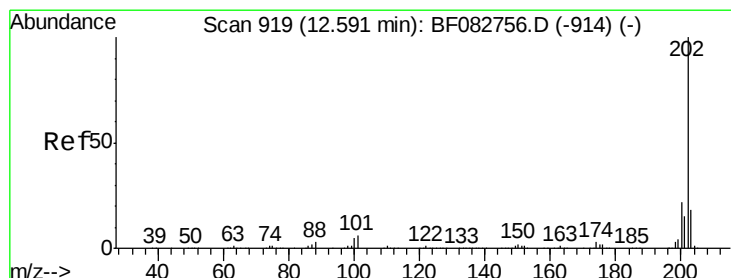
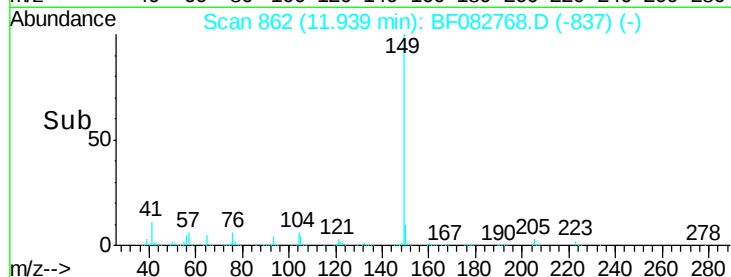
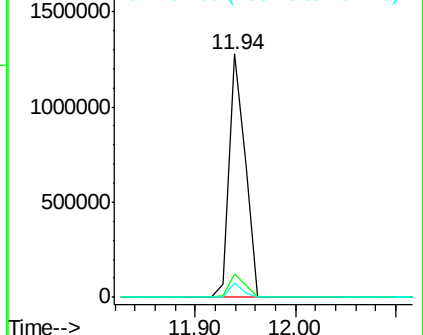
104 6.2 5.2 7.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.97 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

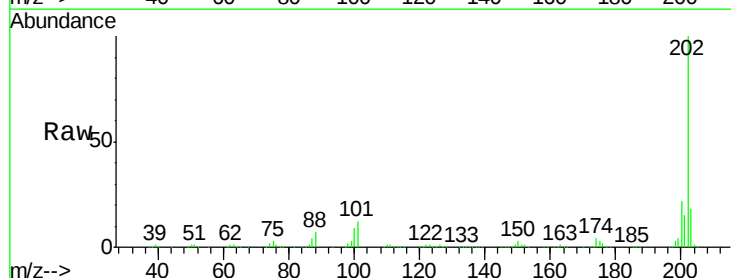
Tgt Ion:202 Resp: 1397688

Ion Ratio Lower Upper

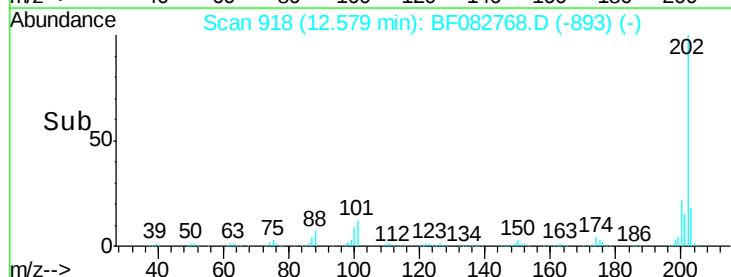
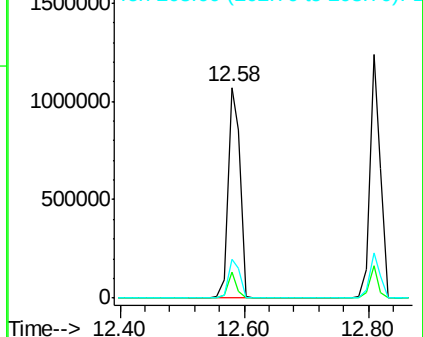
202 100

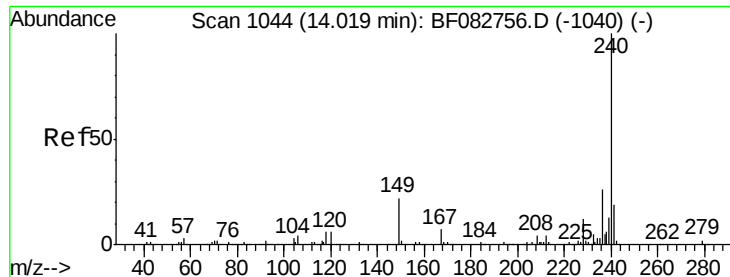
101 12.1 0.0 30.5

203 18.4 0.0 38.5



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

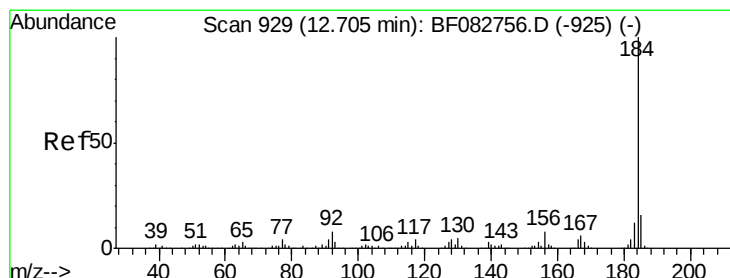
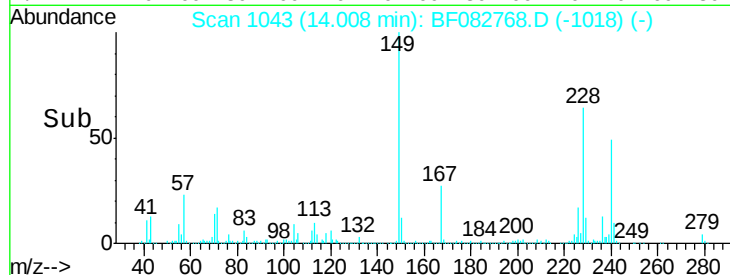
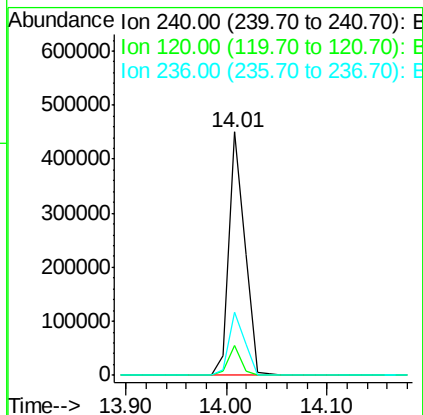
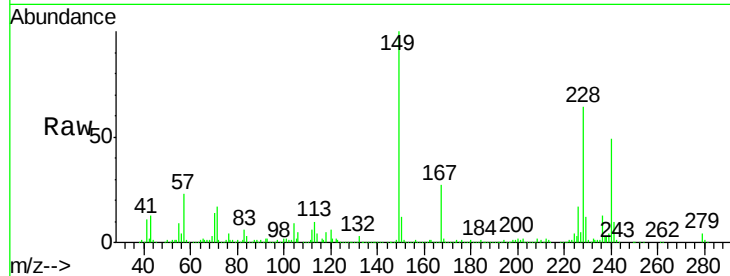
ClientSampleId :

PB86421BS

Tot Ion:	240	Resp:	496874
Ion Ratio	Lower	Upper	
240	100		
120	12.1	10.9	16.3
236	25.8	21.6	32.4

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#76

Benzidine

Concen: 21.02 ng

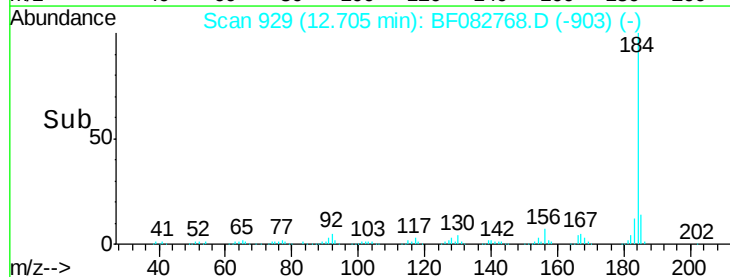
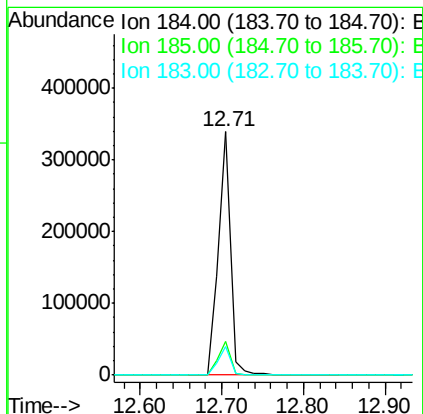
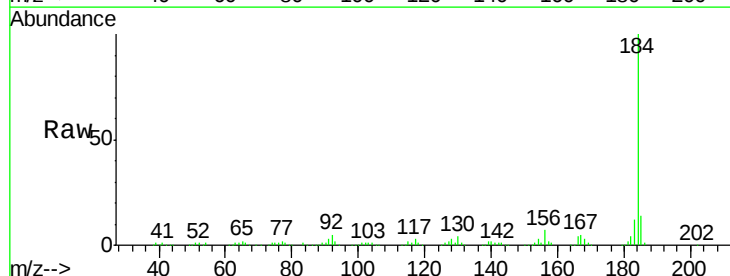
RT: 12.71 min Scan# 929

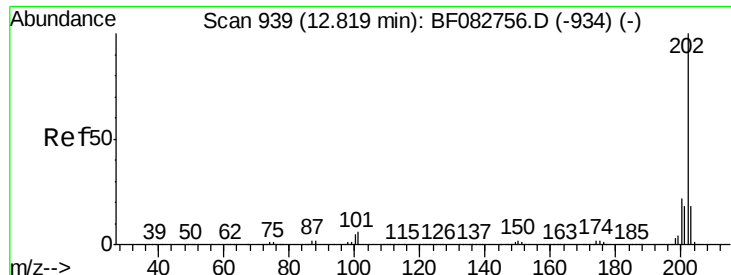
Delta R.T. 0.00 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Tgt Ion:	184	Resp:	350114
Ion Ratio	Lower	Upper	
184	100		
185	13.9	12.0	18.0
183	11.5	9.6	14.4





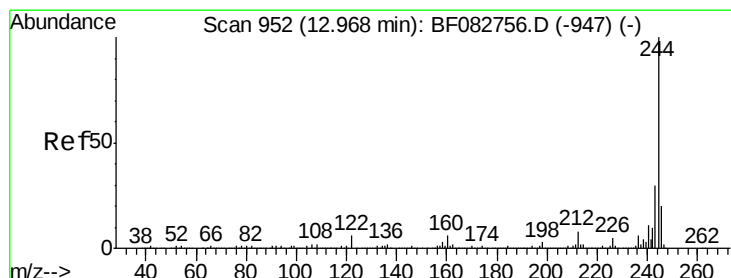
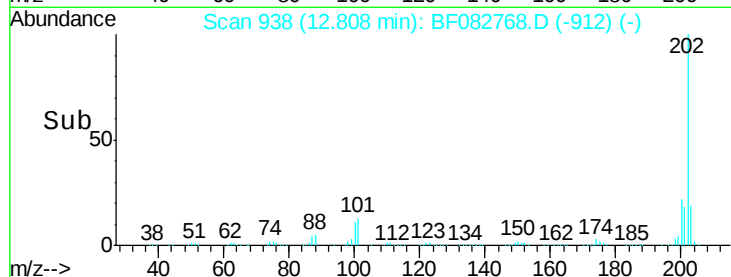
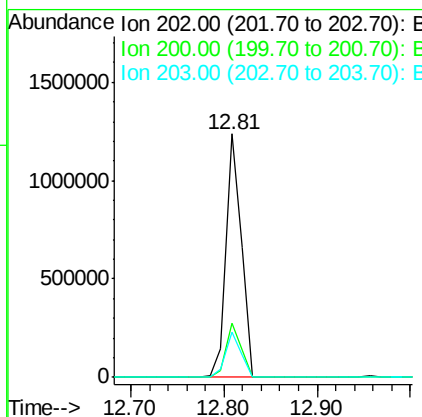
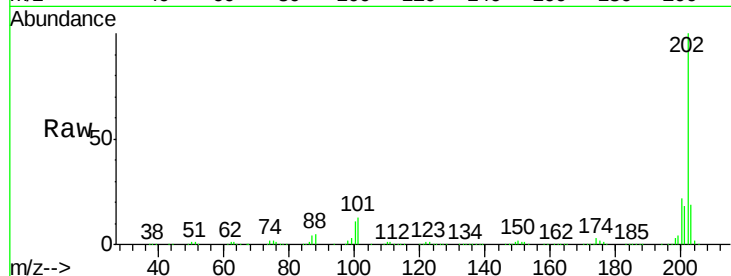
#77
Pvrene
Concen: 41.45 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.7	28.1
203	18.6	14.8	22.2

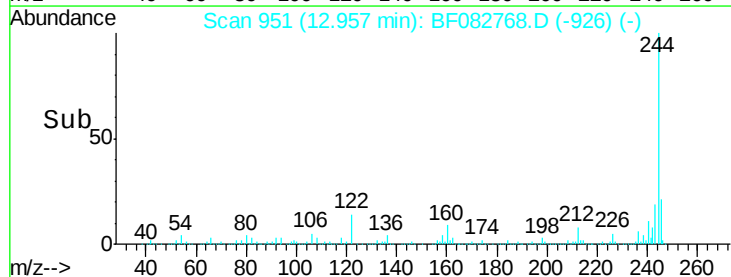
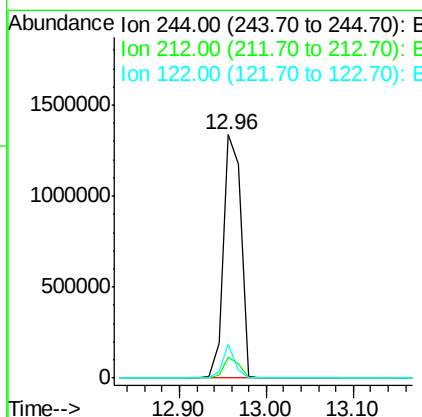
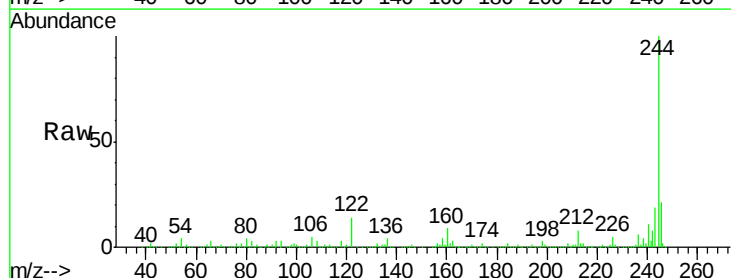
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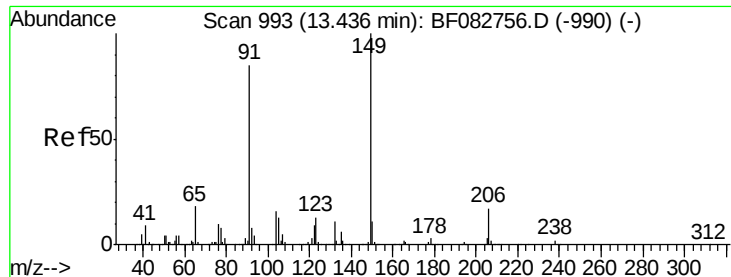
Mmdadoda
11/9/2015 2:10:28 PM



#78
Terphenyl-d14
Concen: 89.35 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.6	11.4
122	13.9	11.3	16.9





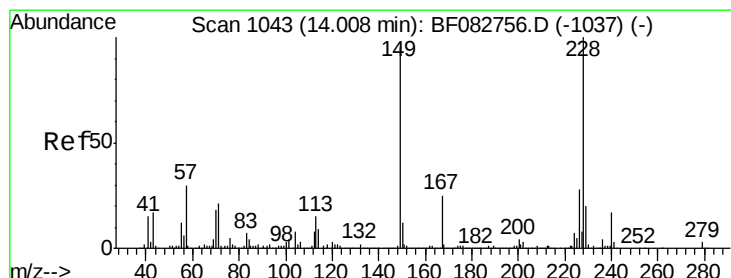
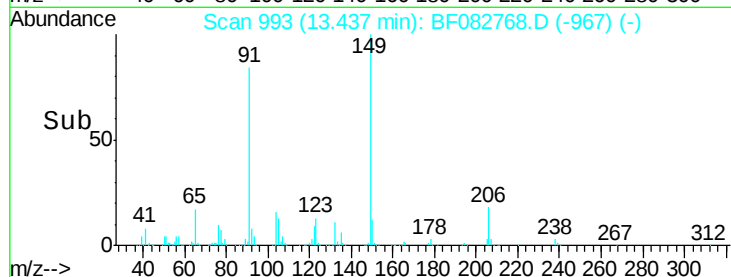
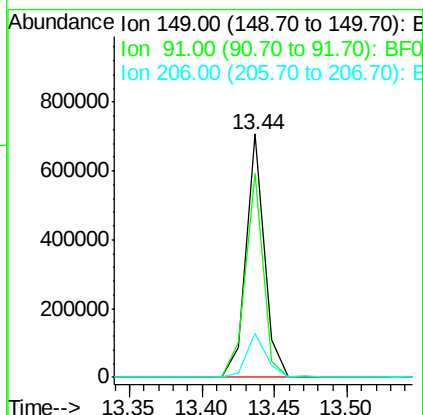
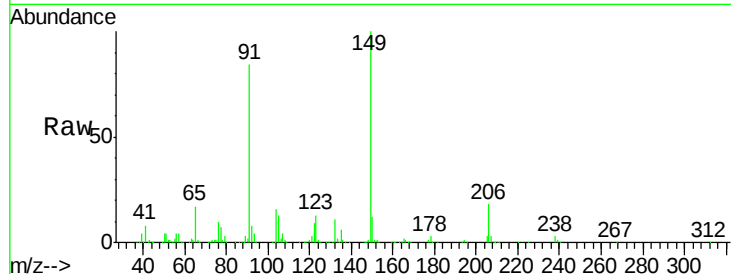
#79
Butylbenzylphthalate
Concen: 41.34 ng
RT: 13.44 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	83.6	67.7	101.5
206	18.1	14.6	22.0

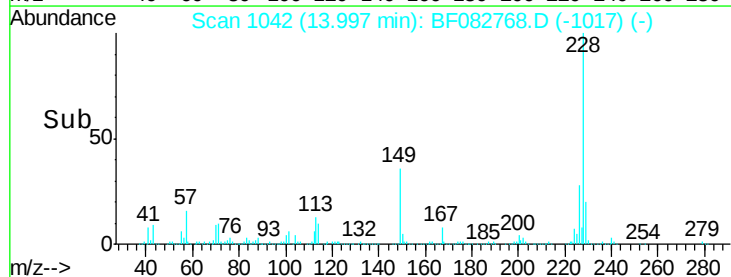
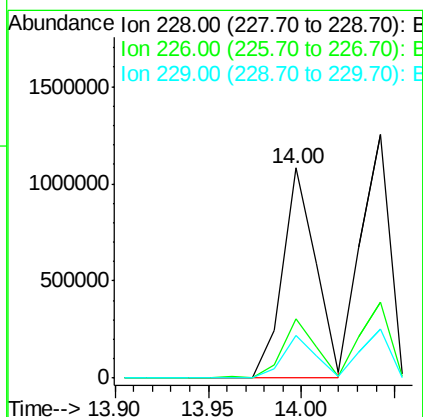
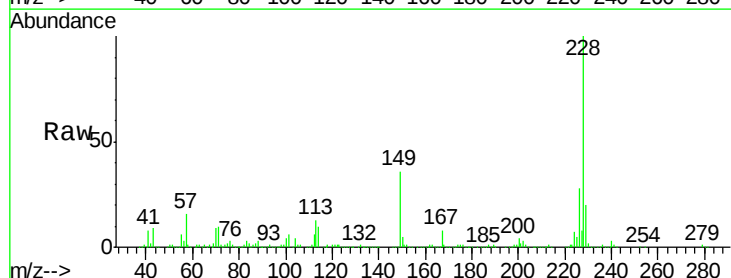
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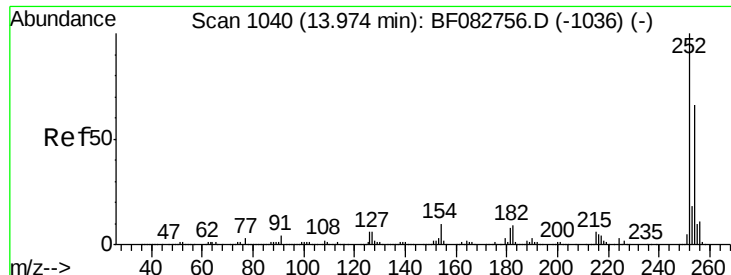
Mmdadoda
11/9/2015 2:10:28 PM



#80
Benzo(a)anthracene
Concen: 43.05 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.4	35.2
229	20.4	16.3	24.5





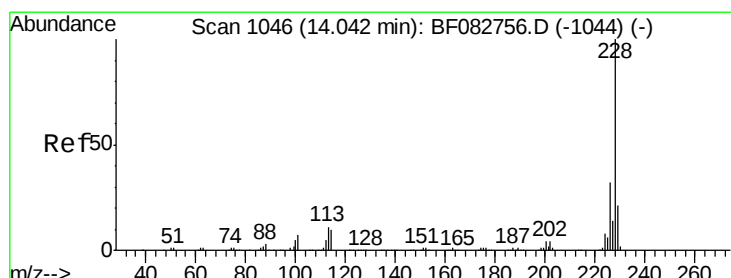
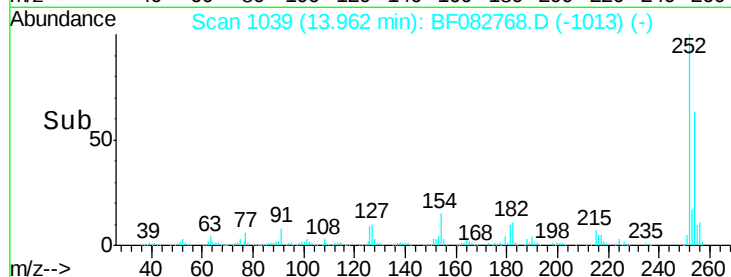
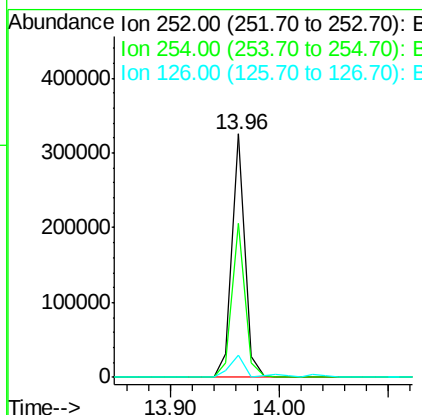
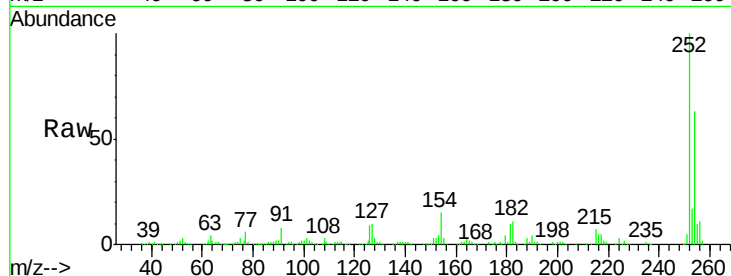
#81
 3,3'-Dichlorobenzidine
 Concen: 24.13 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.5	51.4	77.0
126	9.1	10.7	16.1

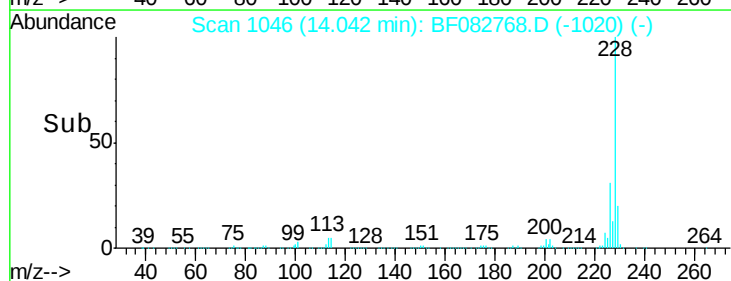
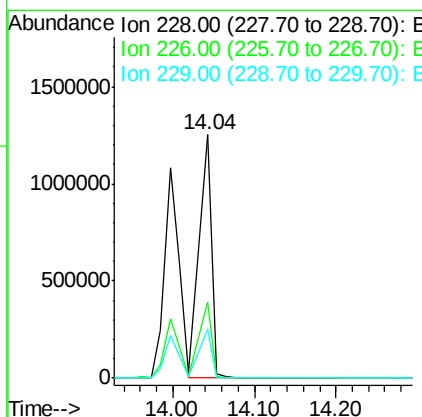
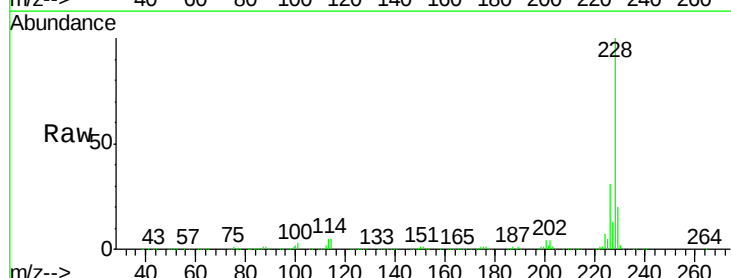
Manual Integrations
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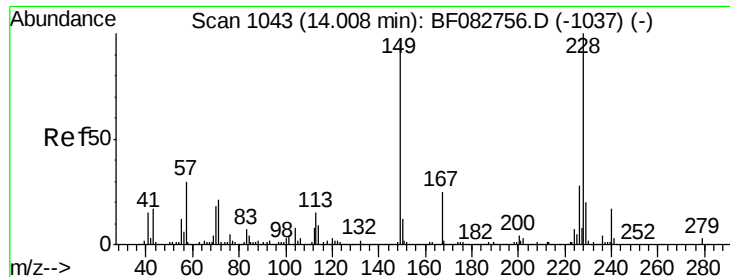
Mmdadoda
 11/9/2015 2:10:28 PM



#82
 Chrysene
 Concen: 47.42 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.4	25.5	38.3
229	20.0	16.3	24.5





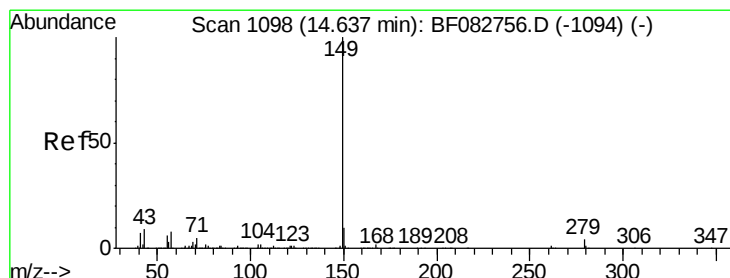
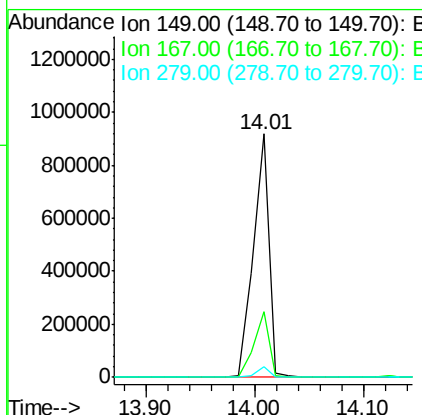
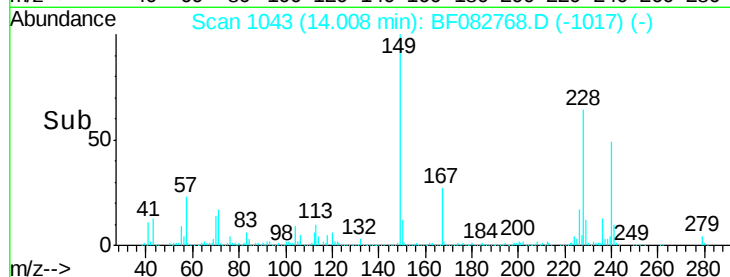
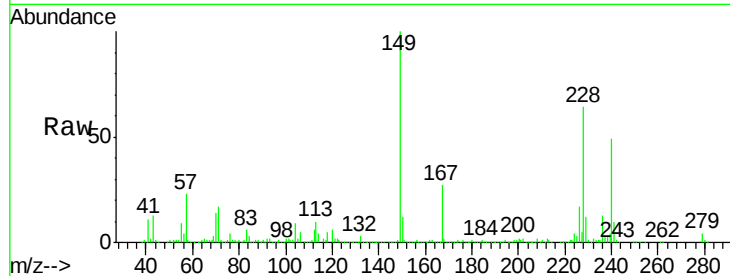
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.71 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	922580		
167	27.2		21.2	31.8
279	4.2		2.2	3.2#

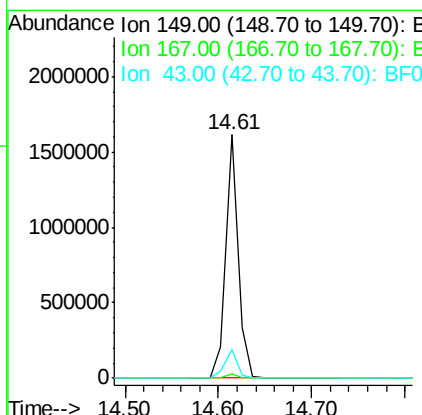
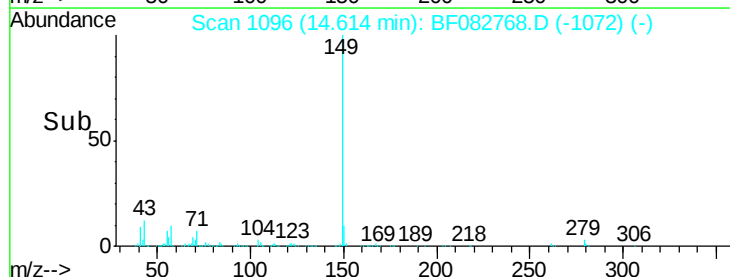
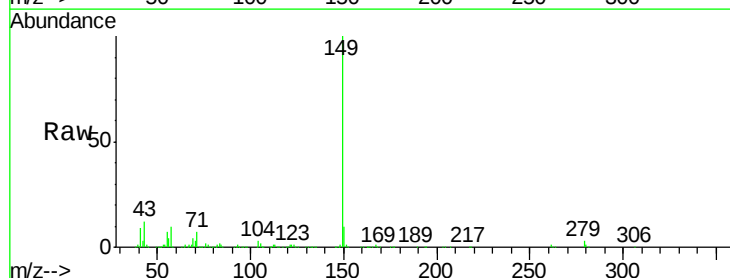
Manual Integrations
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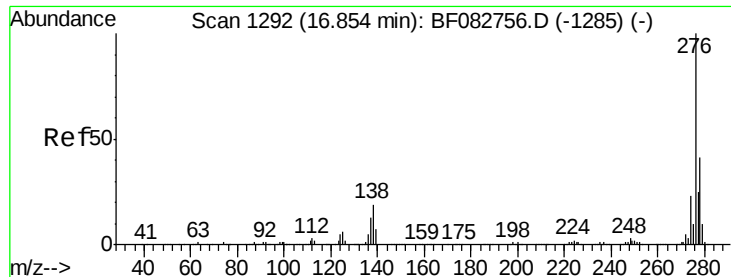
Mmdadoda
 11/9/2015 2:10:28 PM



#84
 Di-n-octyl phthalate
 Concen: 43.25 ng
 RT: 14.61 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1488621		
167	1.5		1.3	1.9
43	11.4		10.1	15.1





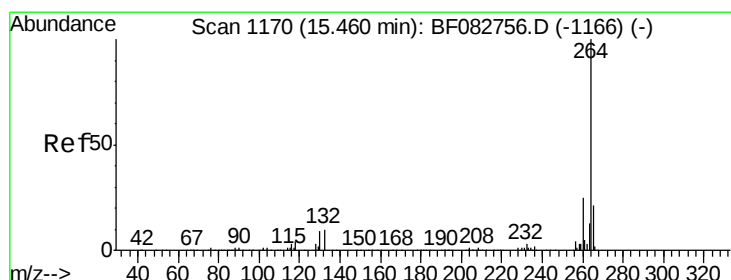
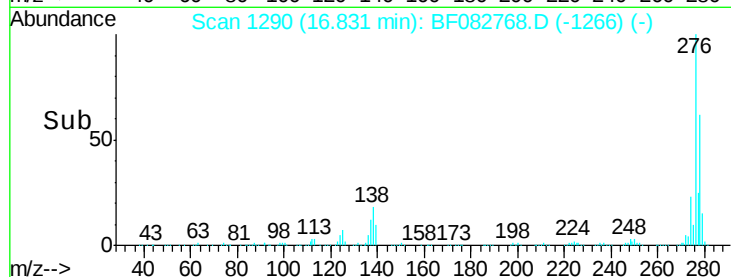
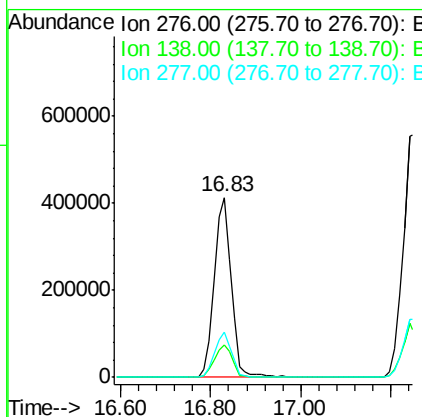
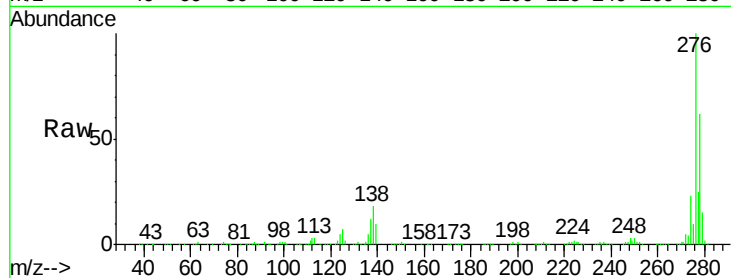
#85
Indeno(1,2,3-cd)pyrene
Concen: 44.87 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	15.3	22.9
277	24.9	20.2	30.4

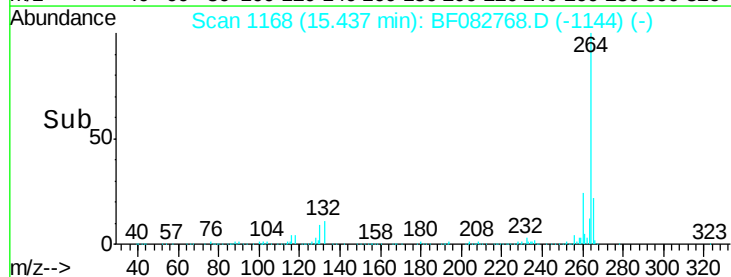
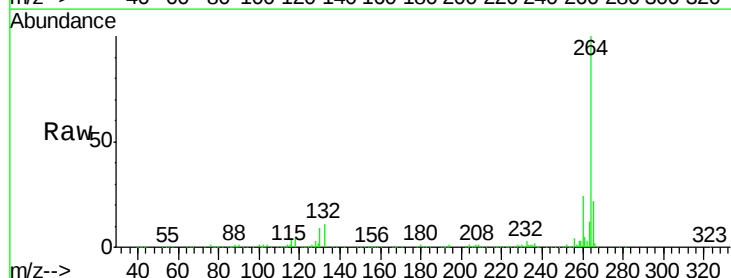
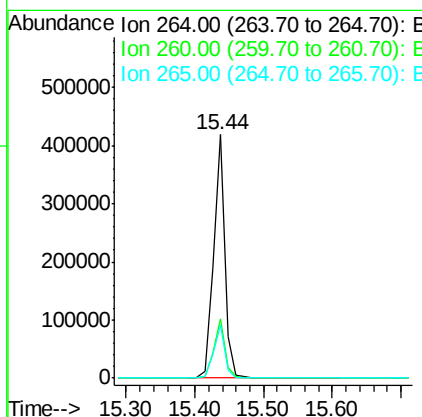
Manual Integrations
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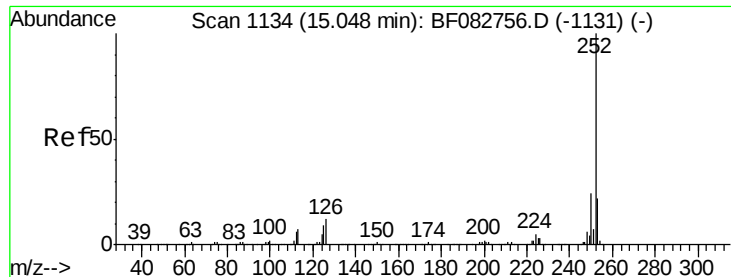
Mmdadoda
11/9/2015 2:10:28 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 44.99 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

Instrument :

BNA_F

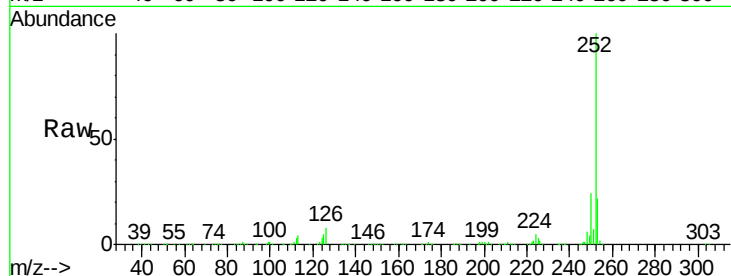
ClientSampleId :

PB86421BS

Tot Ion:	252	Resp:	1400376
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	5.4	5.4	8.2#

Manual Integrations
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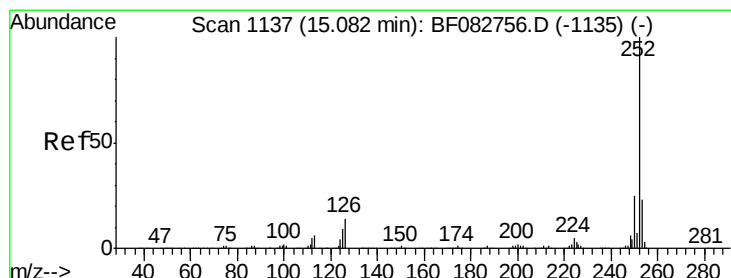
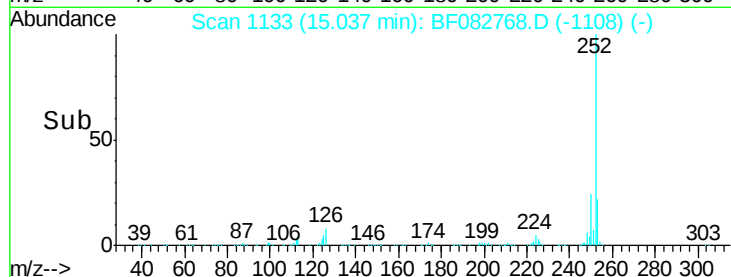
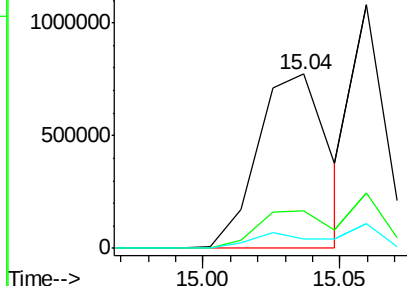


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 33.21 ng m

RT: 15.06 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF082768.D

Acq: 6 Nov 2015 18:31

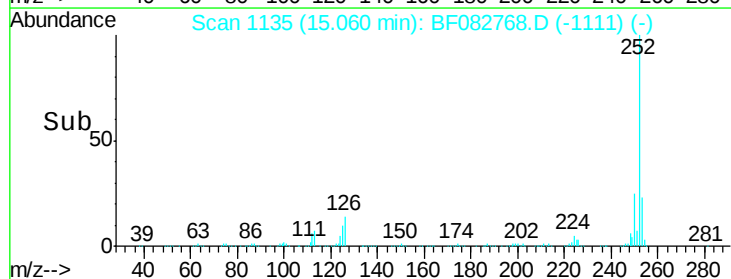
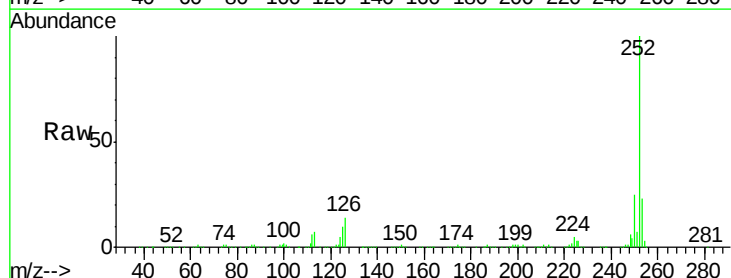
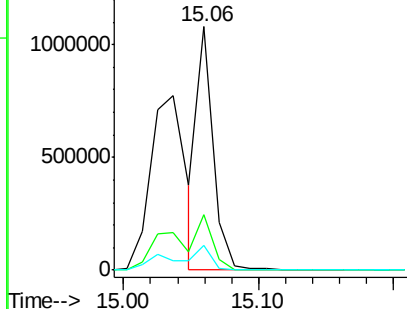
Tgt Ion:	252	Resp:	917058
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	10.0	3.5	5.3#

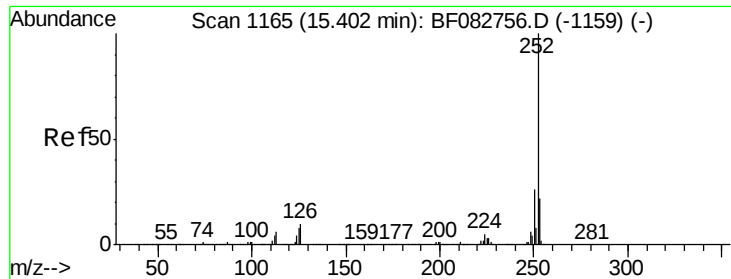
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





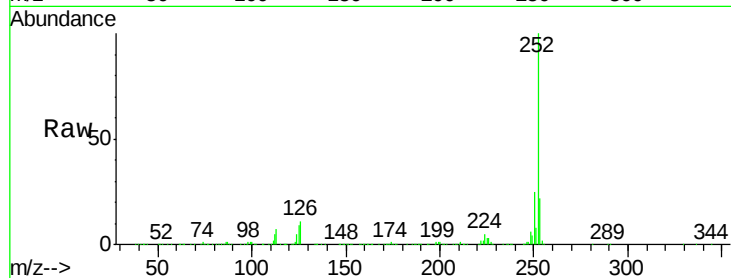
#89
Benzo(a)pyrene
Concen: 39.84 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Instrument :
BNA_F
ClientSampleId :
PB86421BS

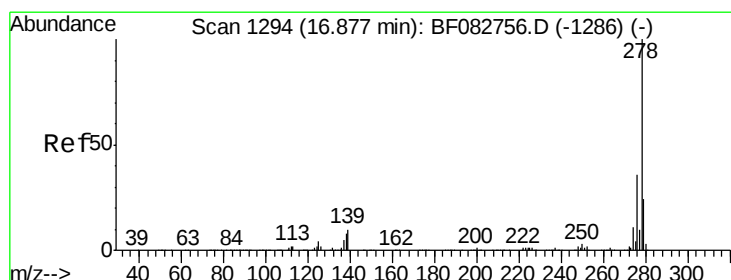
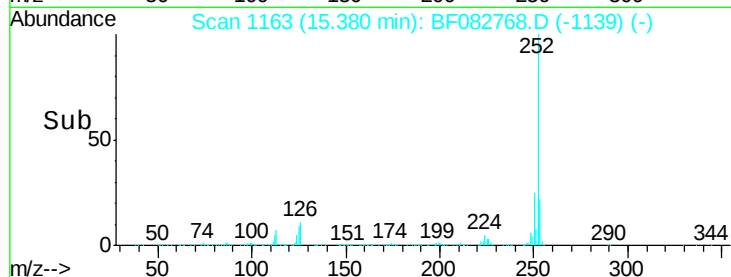
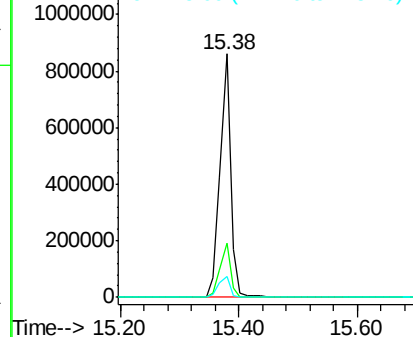
Tot Ion:252 Resp: 1074350
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 8.7 7.1 10.7

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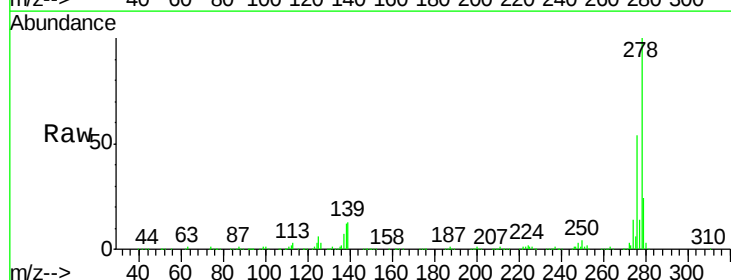


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

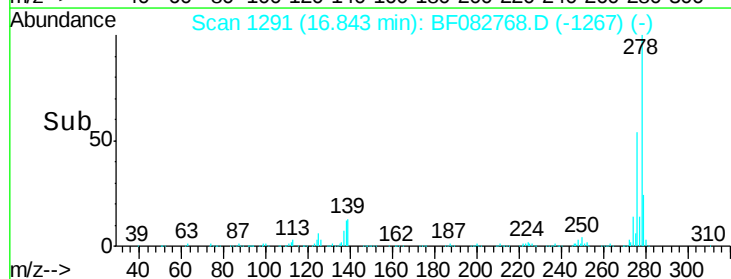
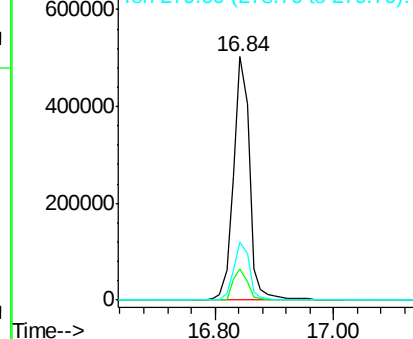


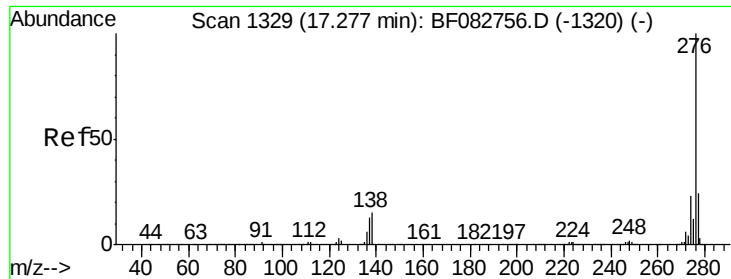
#90
Dibenzo(a,h)anthracene
Concen: 41.28 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF082768.D
Acq: 6 Nov 2015 18:31

Tgt Ion:278 Resp: 942619
Ion Ratio Lower Upper
278 100
139 12.9 9.9 14.9
279 23.8 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





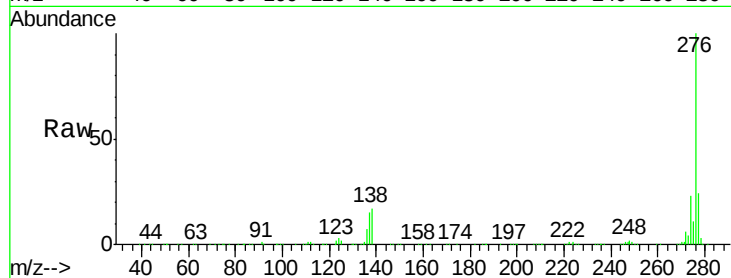
#91
 Benzo(a,h,i)perylene
 Concen: 60.68 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF082768.D
 Acq: 6 Nov 2015 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BS

Tot Ion:	276	Resp:	1327127
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.2	28.8
138	17.3	13.1	19.7

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:10:28 PM



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

