

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084864.D
 Acq On : 5 Feb 2016 17:19
 Operator : SJ/IZ
 Sample : H1311-24MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Manual Integrations
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UMANGI
 2/8/2016 3:02:58 PM

Quant Time: Feb 05 22:35:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	162258	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	679325	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	312346	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	543375	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	347636	20.00	ng	-0.03
86) Perylene-d12	15.17	264	313349	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1505874	144.56	ng	-0.01
7) Phenol-d6	6.33	99	1846326	142.97	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1193752	98.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	442904	135.94	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1922057	120.24	ng	-0.02
78) Terphenyl-d14	12.76	244	1487541	96.96	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.20	88	168169	36.86	ng	# 74
3) Pyridine	2.85	79	467798	39.35	ng	# 76
4) n-Nitrosodimethylamine	2.81	42	294187	47.84	ng	# 81
6) Aniline	6.33	93	599784	37.95	ng	# 76
8) 2-Chlorophenol	6.45	128	589673	50.01	ng	98
9) Benzaldehyde	6.20	77	201294	26.39	ng	97
10) Phenol	6.34	94	796172	55.03	ng	91
11) bis(2-Chloroethyl)ether	6.41	93	502156m	44.51	ng	
12) 1,3-Dichlorobenzene	6.60	146	565319m	45.38	ng	
13) 1,4-Dichlorobenzene	6.68	146	593601	47.66	ng	94
14) 1,2-Dichlorobenzene	6.83	146	474309	40.89	ng	96
15) Benzyl Alcohol	6.82	79	440935	49.45	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.96	45	834748	43.99	ng	88
17) 2-Methylphenol	6.94	107	478348	51.30	ng	# 92
18) Hexachloroethane	7.17	117	214293	44.68	ng	98
19) n-Nitroso-di-n-propylamine	7.09	70	371368	45.88	ng	# 73
20) 3+4-Methylphenols	7.09	107	571197	49.35	ng	# 71
22) Acetophenone	7.08	105	803177	44.86	ng	# 98
24) Nitrobenzene	7.25	77	518660	40.16	ng	95
25) Isophorone	7.50	82	1102598	47.02	ng	96
26) 2-Nitrophenol	7.57	139	324127	50.89	ng	# 89
27) 2,4-Dimethylphenol	7.62	122	515691	46.55	ng	96
28) bis(2-Chloroethoxy)methane	7.71	93	673860	48.44	ng	99
29) 2,4-Dichlorophenol	7.82	162	449552	47.43	ng	90
30) 1,2,4-Trichlorobenzene	7.89	180	464219	43.36	ng	97
31) Naphthalene	7.97	128	1562664	45.86	ng	99
32) Benzoic acid	7.71	122	45633	6.44	ng	94
33) 4-Chloroaniline	8.03	127	404574	28.71	ng	94
34) Hexachlorobutadiene	8.10	225	272730	44.18	ng	97
35) Caprolactam	8.42	113	148159m	50.71	ng	
36) 4-Chloro-3-methylphenol	8.53	107	550918	50.95	ng	94
37) 2-Methylnaphthalene	8.66	142	1002373	47.00	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	428210	43.17	ng	98
40) Hexachlorocyclopentadiene	8.82	237	410347	89.41	ng	99

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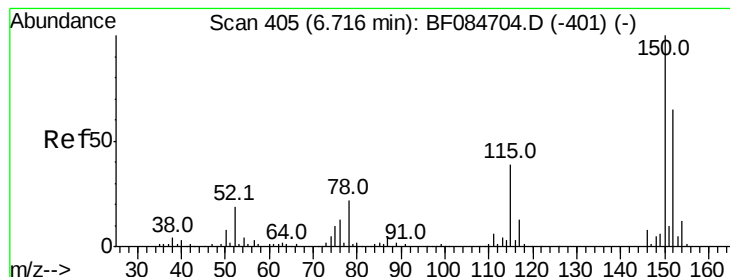
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.94	196	301080	47.11	nq	98
43) 2,4,5-Trichlorophenol	8.99	196	311960	48.04	nq #	86
45) 1,1'-Biphenyl	9.13	154	1141489	40.92	nq	100
46) 2-Chloronaphthalene	9.15	162	927898	45.16	nq	94
47) 2-Nitroaniline	9.25	65	315527	48.50	nq	97
48) Acenaphthylene	9.56	152	1310885	42.05	nq	97
49) Dimethylphthalate	9.45	163	1552583	65.26	nq #	91
50) 2,6-Dinitrotoluene	9.50	165	271411	52.23	nq	96
51) Acenaphthene	9.73	154	853149	42.06	nq	97
52) 3-Nitroaniline	9.66	138	196773	33.69	nq	94
53) 2,4-Dinitrophenol	9.78	184	134556	57.83	nq	86
54) Dibenzofuran	9.90	168	1144940	46.18	nq	92
55) 4-Nitrophenol	9.85	139	322151	75.06	nq #	79
56) 2,4-Dinitrotoluene	9.90	165	310763	46.88	nq #	79
57) Fluorene	10.25	166	942834	45.54	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	268032	54.22	nq	93
59) Diethylphthalate	10.14	149	1077713	46.39	nq	95
60) 4-Chlorophenyl-phenylether	10.25	204	480210	57.18	nq	90
61) 4-Nitroaniline	10.28	138	244063	42.89	nq	93
62) Azobenzene	10.41	77	1155762	51.74	nq	94
64) 4,6-Dinitro-2-methylphenol	10.32	198	174478	52.03	nq	78
65) n-Nitrosodiphenylamine	10.36	169	875928	50.77	nq	98
66) 4-Bromophenyl-phenylether	10.73	248	276612	46.09	nq #	75
67) Hexachlorobenzene	10.80	284	347812	53.19	nq #	92
68) Atrazine	10.90	200	261221	47.94	nq	99
69) Pentachlorophenol	10.99	266	292246	95.09	nq	98
70) Phenanthrene	11.21	178	1542193	51.17	nq	99
71) Anthracene	11.25	178	1371425	45.16	nq	98
72) Carbazole	11.41	167	1240143	46.83	nq	99
73) Di-n-butylphthalate	11.76	149	1704419	50.56	nq #	97
74) Fluoranthene	12.39	202	1478992	48.49	nq	97
76) Benzidine	12.51	184	675514	62.29	nq	98
77) Pyrene	12.61	202	1564098	58.77	nq	99
79) Butylbenzylphthalate	13.24	149	651108	53.93	nq	94
80) Benzo(a)anthracene	13.79	228	1139742	52.82	nq	98
81) 3,3'-Dichlorobenzidine	13.77	252	214385	28.06	nq #	98
82) Chrysene	13.84	228	1135591	54.28	nq	99
83) Bis(2-ethylhexyl)phthalate	13.80	149	806231	53.66	nq	100
84) Di-n-octyl phthalate	14.42	149	1317099	53.13	nq #	90
85) Indeno(1,2,3-cd)pyrene	16.45	276	952189	57.82	nq	99
87) Benzo(b)fluoranthene	14.80	252	870221m	41.33	nq	
88) Benzo(k)fluoranthene	14.83	252	937706m	53.87	nq	
89) Benzo(a)pyrene	15.12	252	826094	46.05	nq #	97
90) Dibenzo(a,h)anthracene	16.47	278	779912	51.65	nq #	95
91) Benzo(g,h,i)perylene	16.83	276	809345	53.21	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

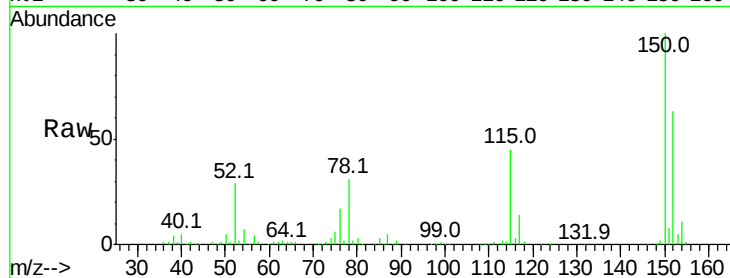
ClientSampleId :

SUP-B017(25-27)MSD

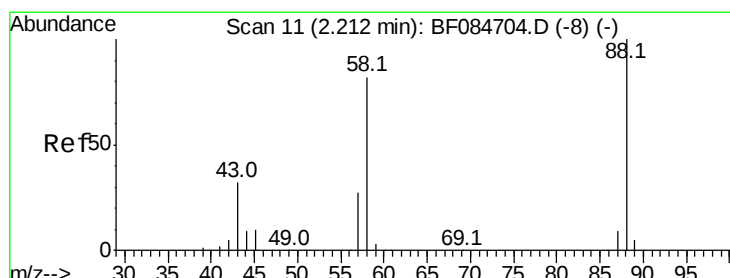
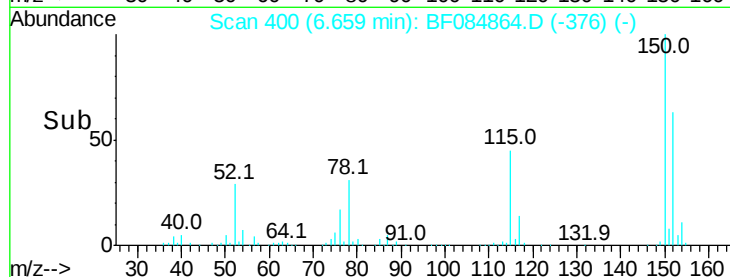
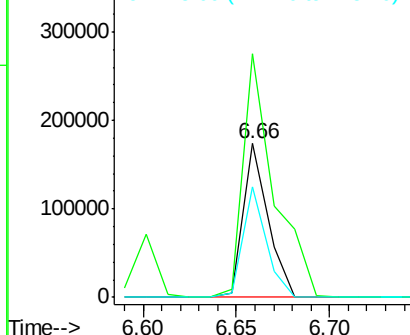
Tot Ion:	152	Resp:	162258
Ion Ratio	Lower	Upper	
152	100		
150	158.4	123.0	184.4
115	72.0	51.4	77.2

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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



#2

1,4-Dioxane

Concen: 36.86 ng

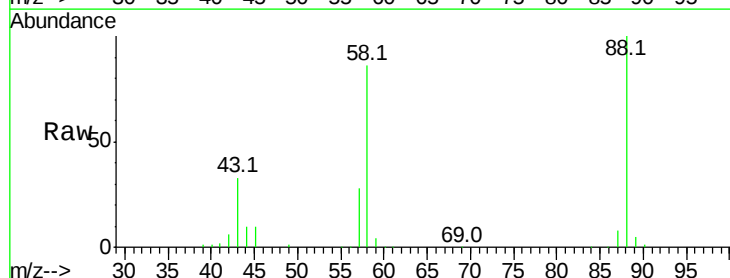
RT: 2.20 min Scan# 10

Delta R.T. 0.02 min

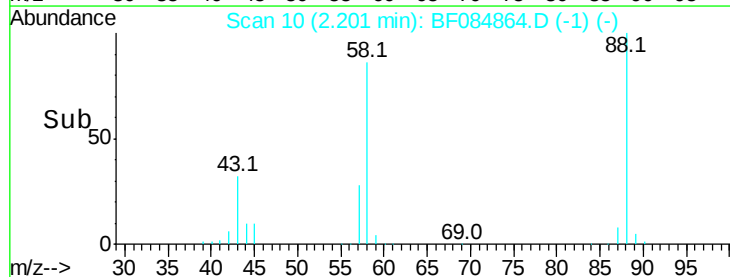
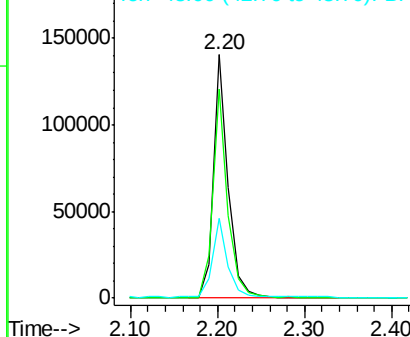
Lab File: BF084864.D

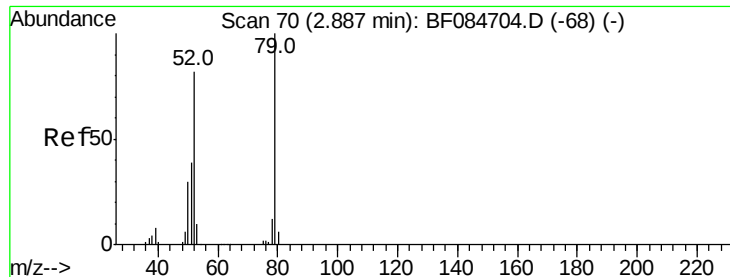
Acq: 5 Feb 2016 17:19

Tgt Ion:	88	Resp:	168169
Ion Ratio	Lower	Upper	
88	100		
58	86.4	51.2	76.8#
43	33.1	19.5	29.3#



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: 39.35 ng

RT: 2.85 min Scan# 67

Delta R.T. 0.01 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion: 79 Resp: 467798

Ion Ratio Lower Upper

79 100

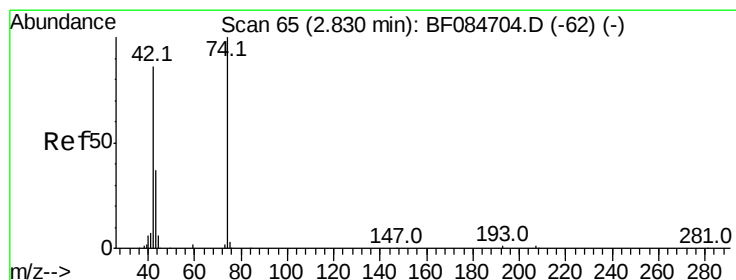
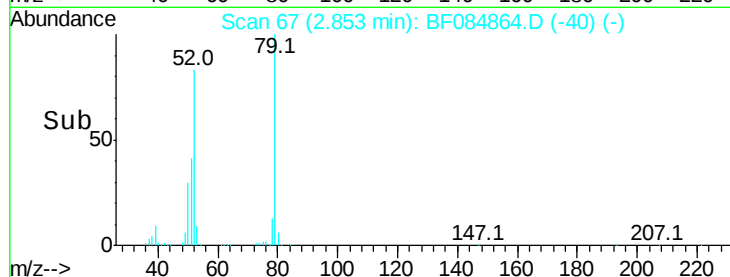
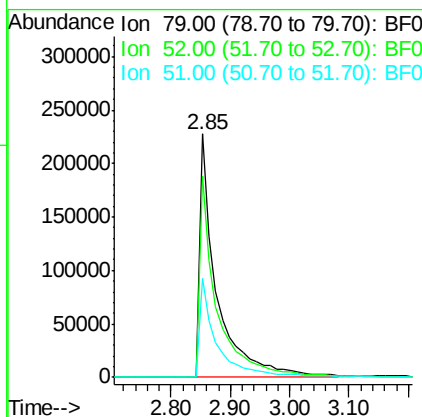
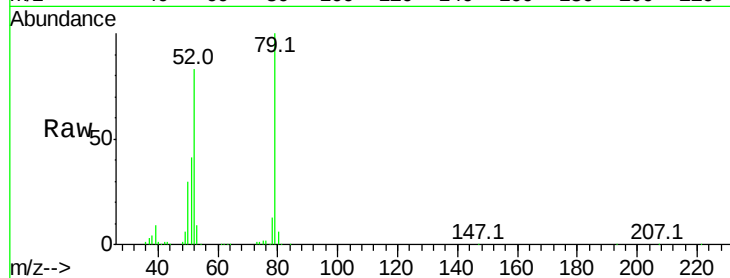
52 82.6 49.0 73.4#

51 40.6 25.2 37.8#

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#4

n-Nitrosodimethylamine

Concen: 47.84 ng

RT: 2.81 min Scan# 63

Delta R.T. 0.01 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

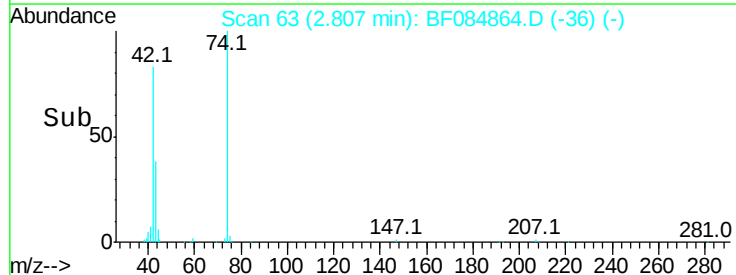
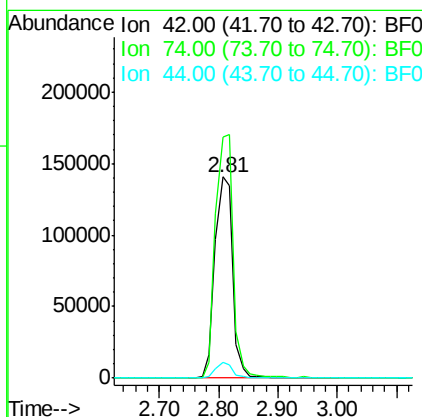
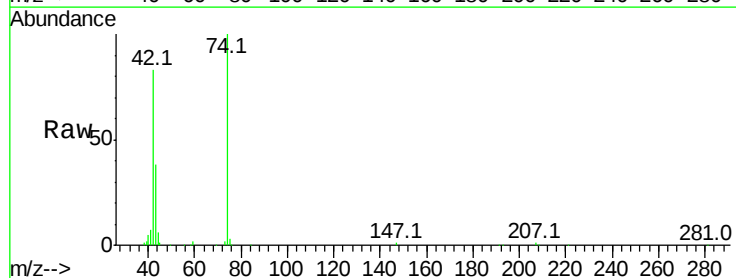
Tgt Ion: 42 Resp: 294187

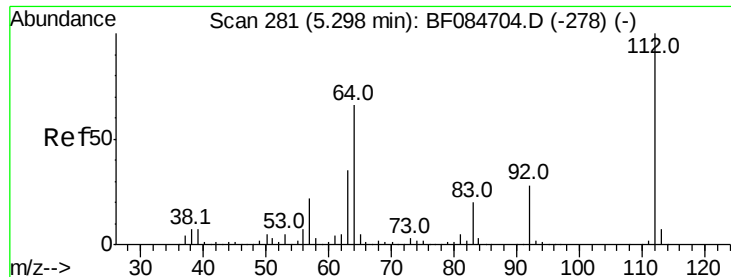
Ion Ratio Lower Upper

42 100

74 120.1 115.7 173.5

44 7.7 5.1 7.7#





#5

2-Fluorophenol

Concen: 144.56 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

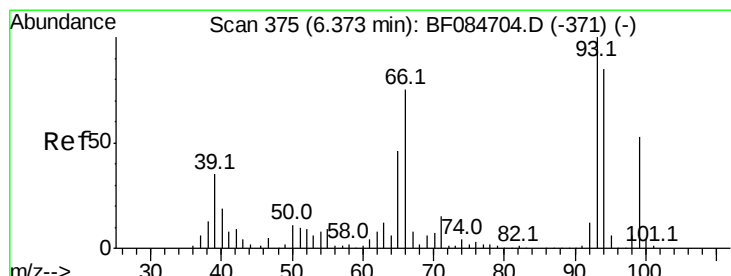
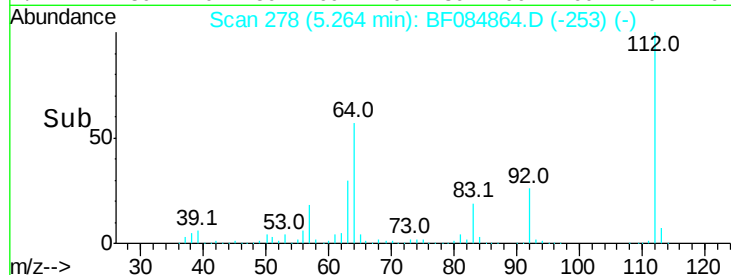
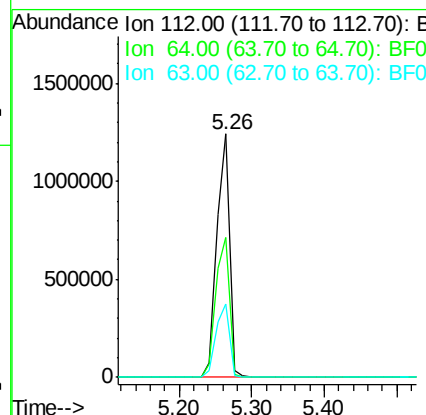
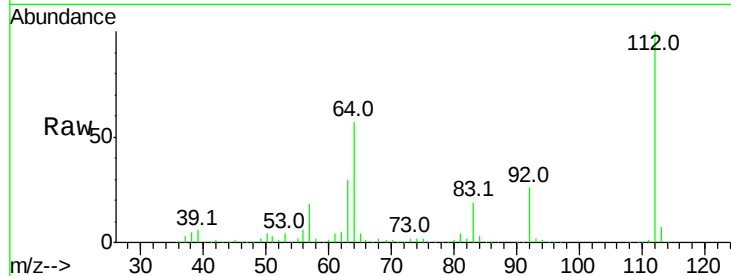
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	112	Resp:	1505874
Ion Ratio	Lower	Upper	
112	100		
64	57.4	36.6	55.0#
63	30.1	19.4	29.0#

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#6

Aniline

Concen: 37.95 ng

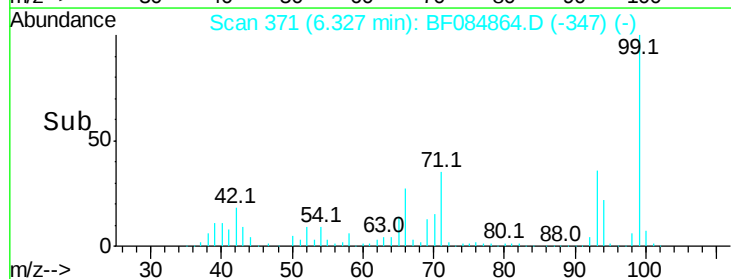
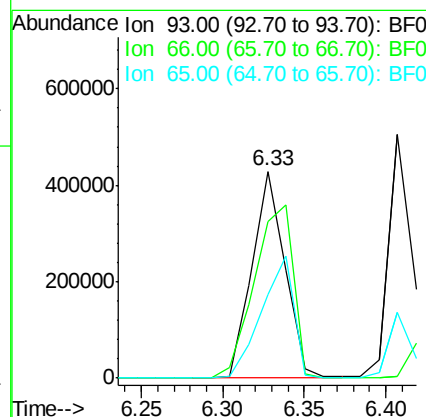
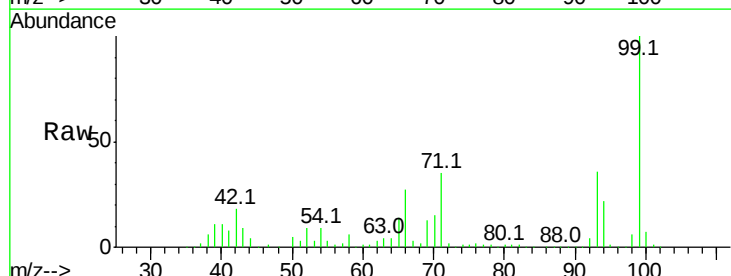
RT: 6.33 min Scan# 371

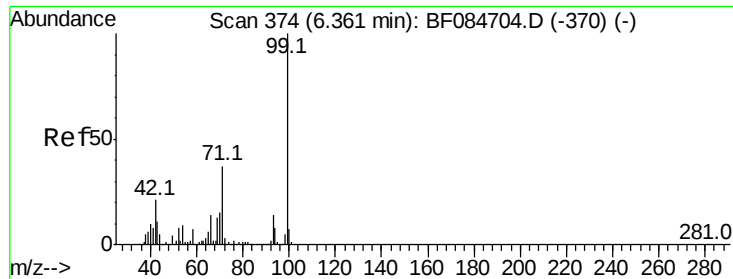
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	93	Resp:	599784
Ion Ratio	Lower	Upper	
93	100		
66	75.8	44.9	67.3#
65	40.3	23.7	35.5#





#7

Phenol-d6

Concen: 142.97 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion: 99 Resp: 1846326

Ion Ratio Lower Upper

99 100

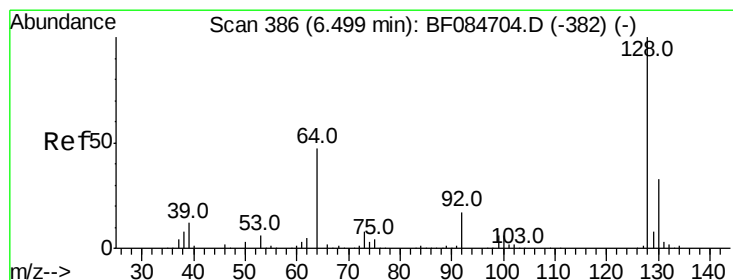
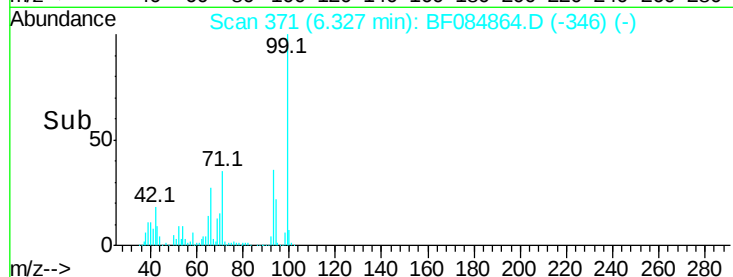
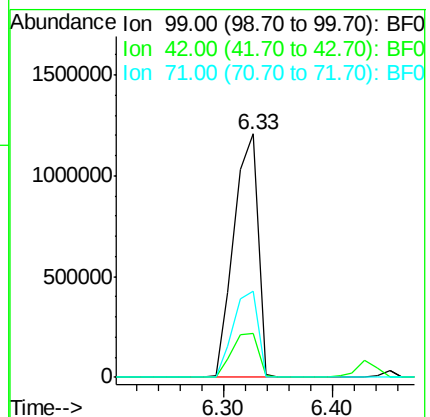
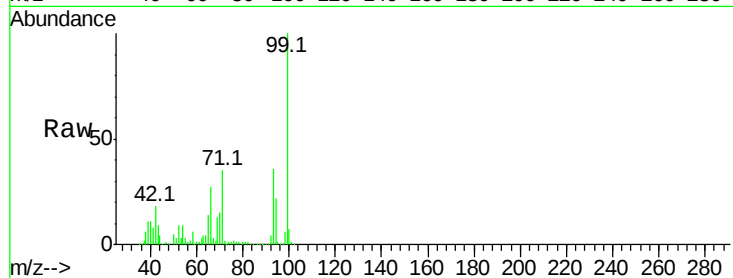
42 17.9 12.8 19.2

71 35.3 30.9 46.3

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#8

2-Chlorophenol

Concen: 50.01 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

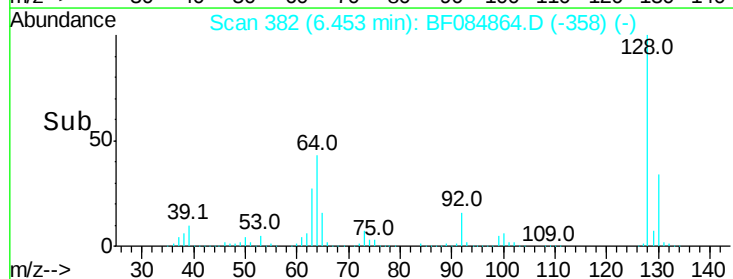
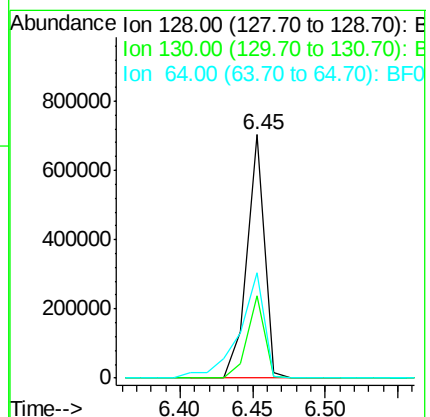
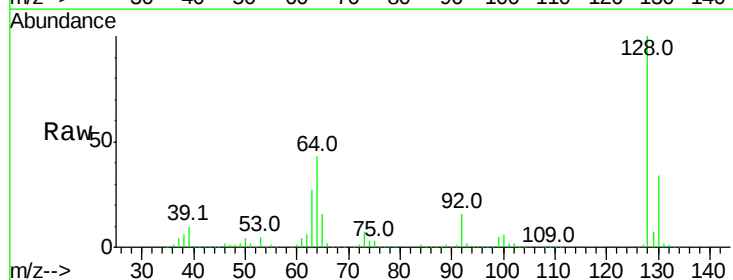
Tgt Ion:128 Resp: 589673

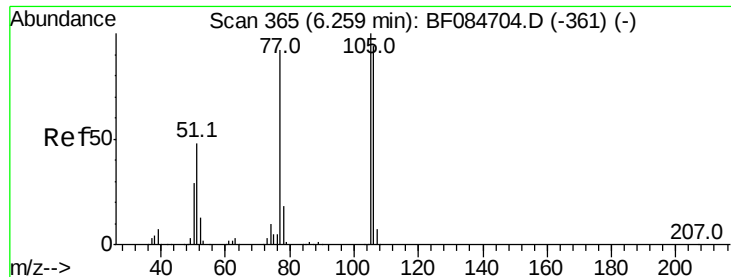
Ion Ratio Lower Upper

128 100

130 33.8 11.6 51.6

64 43.4 23.8 63.8





#9

Benzaldehyde

Concen: 26.39 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

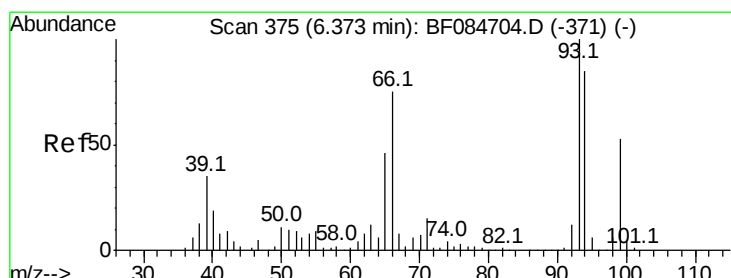
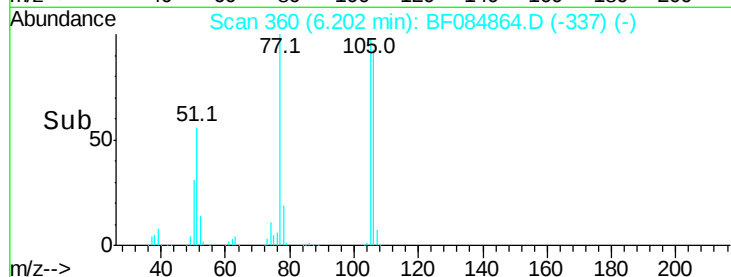
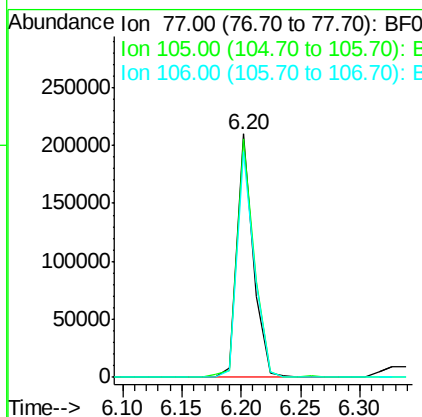
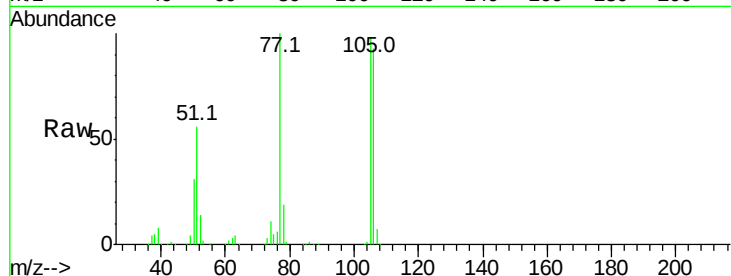
ClientSampleId :

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Tot Ion:	77	Resp:	201294
Ion Ratio	Lower	Upper	
77	100		
105	98.2	83.0	123.0
106	93.0	74.6	114.6

Manual Integrations
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#10

Phenol

Concen: 55.03 ng

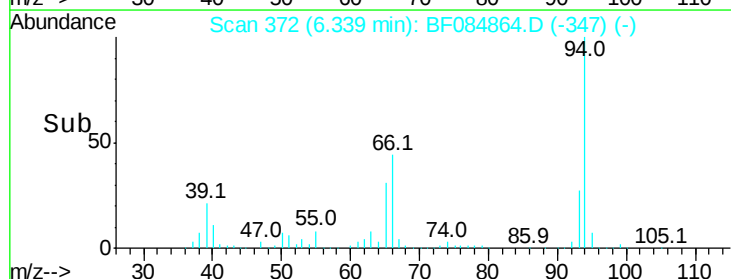
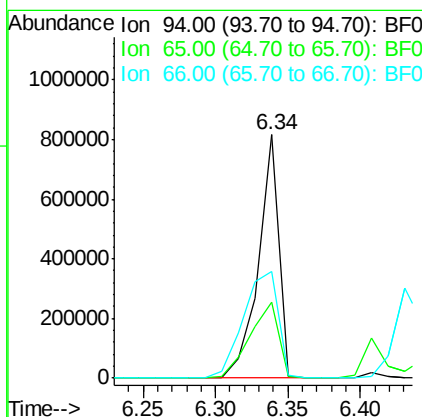
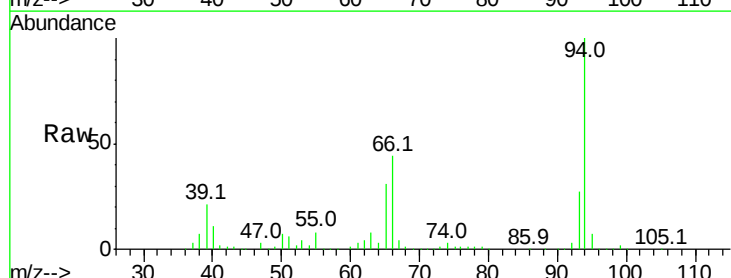
RT: 6.34 min Scan# 372

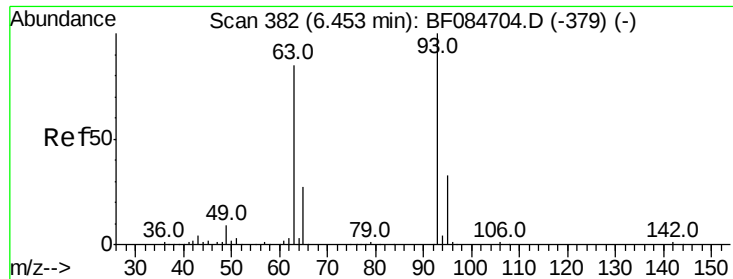
Delta R.T. -0.01 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	94	Resp:	796172
Ion Ratio	Lower	Upper	
94	100		
65	30.9	12.9	52.9
66	43.8	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 44.51 ng m

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

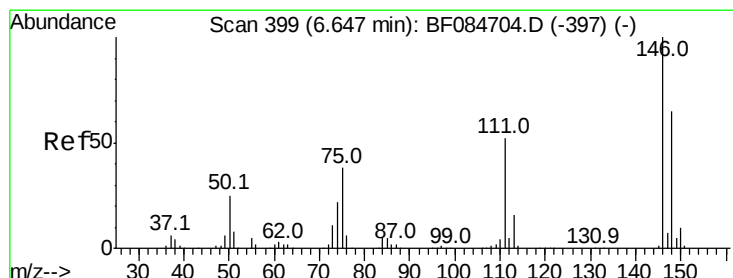
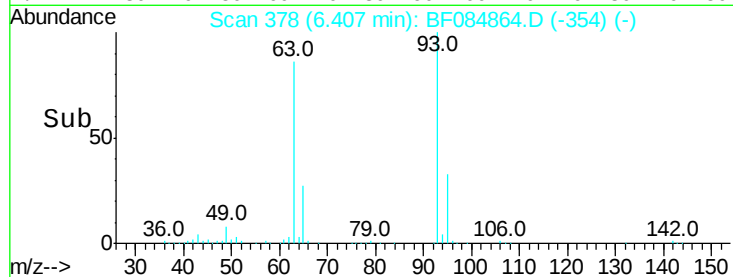
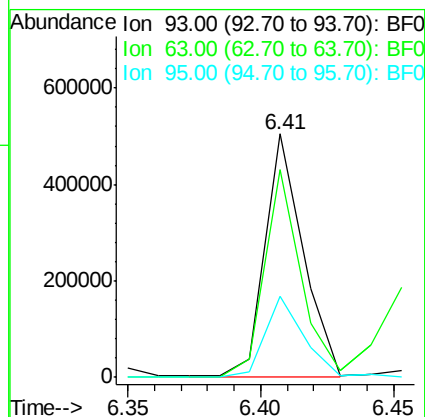
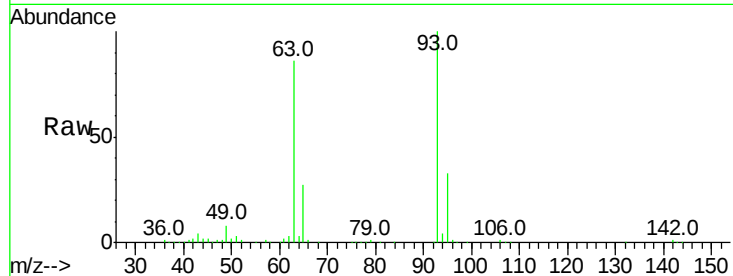
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	93	Resp:	502156
Ion Ratio	Lower	Upper	
93	100		
63	85.5	45.9	85.9
95	33.5	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 45.38 ng m

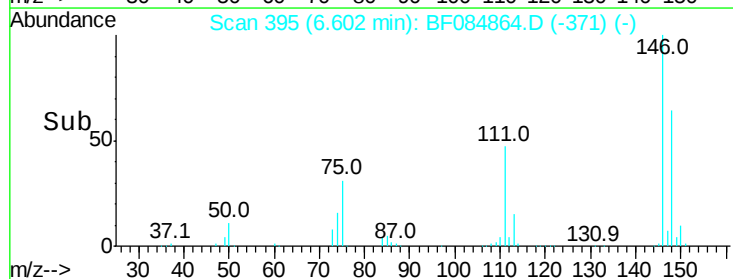
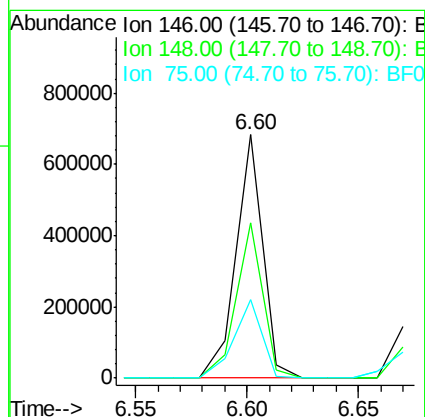
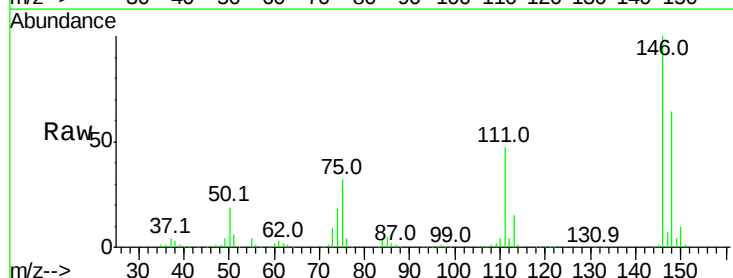
RT: 6.60 min Scan# 395

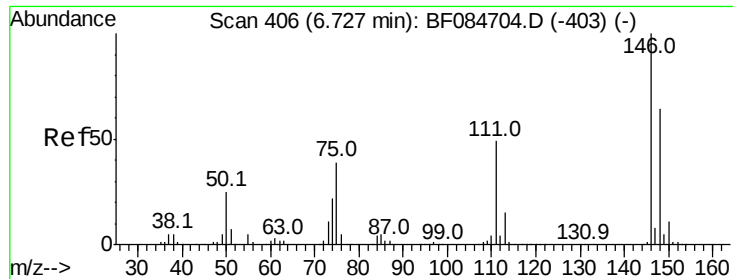
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	146	Resp:	565319
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.9	77.9
75	32.2	20.5	30.7#





#13

1,4-Dichlorobenzene

Concen: 47.66 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

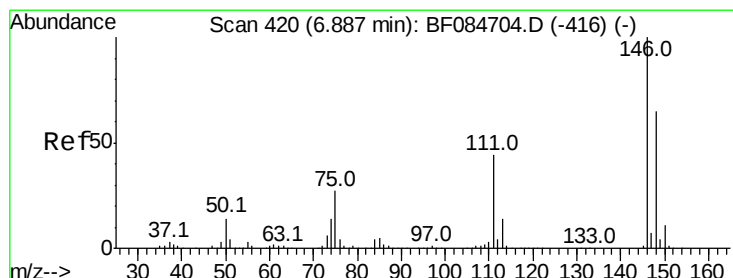
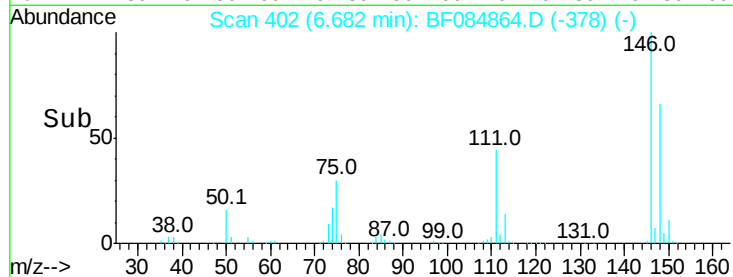
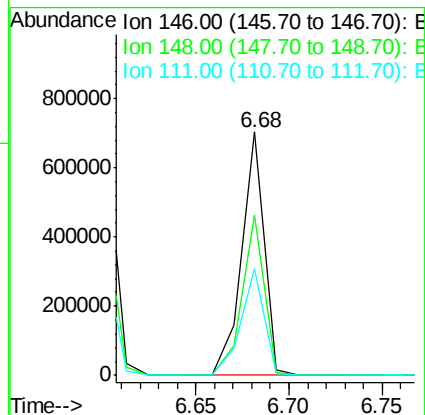
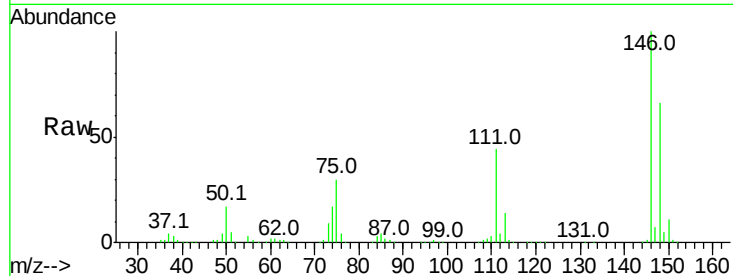
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	146	Resp:	593601
Ion Ratio	Lower	Upper	
146	100		
148	66.1	51.9	77.9
111	43.7	41.6	62.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 40.89 ng

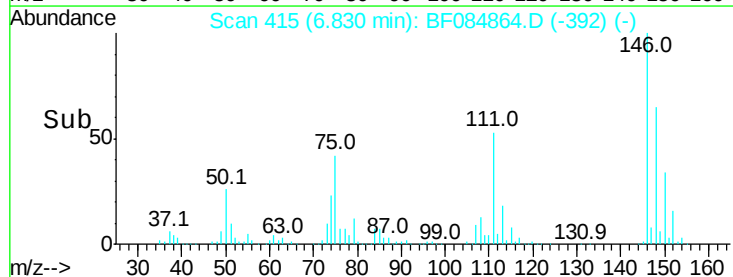
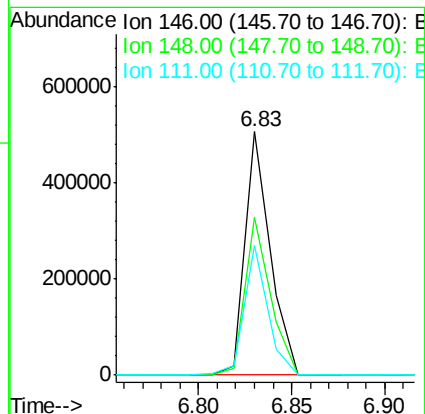
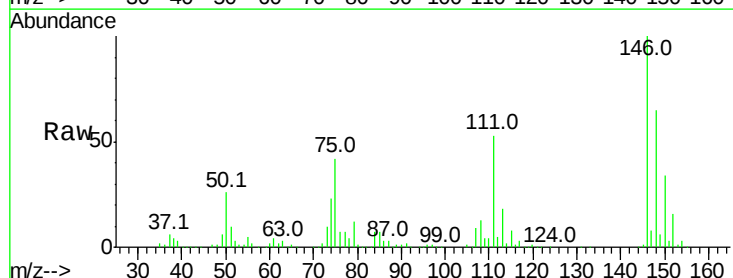
RT: 6.83 min Scan# 415

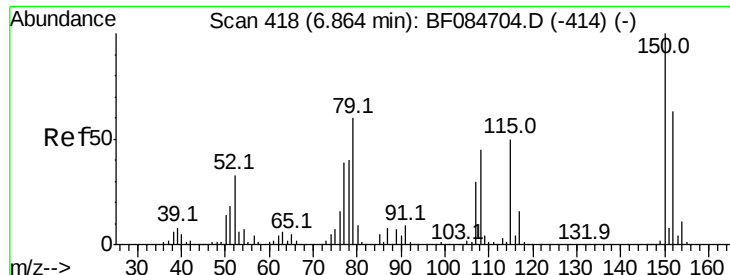
Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	146	Resp:	474309
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.6	77.4
111	53.5	38.0	57.0





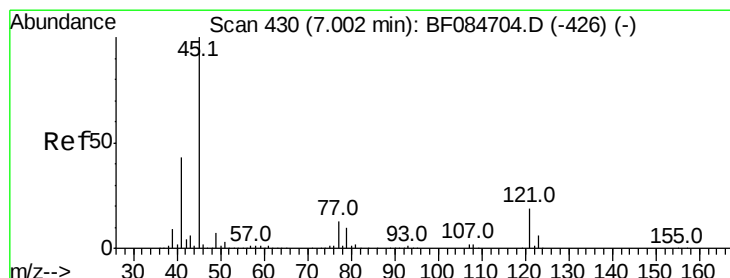
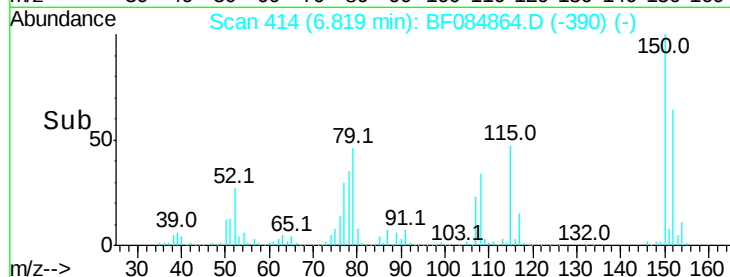
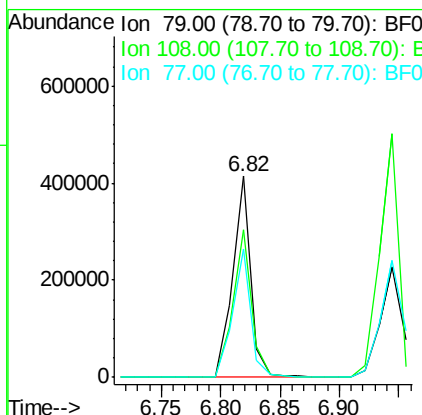
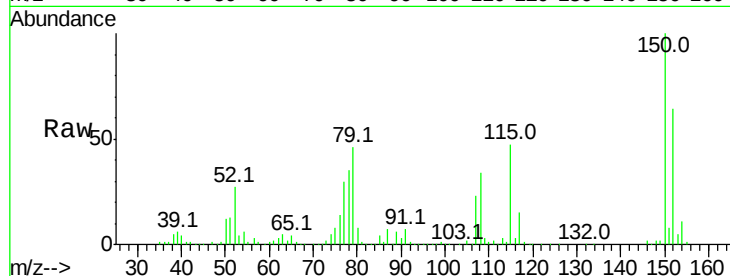
#15
Benzyl Alcohol
Concen: 49.45 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	73.1	69.0	103.4	
77	63.7	50.0	75.0	

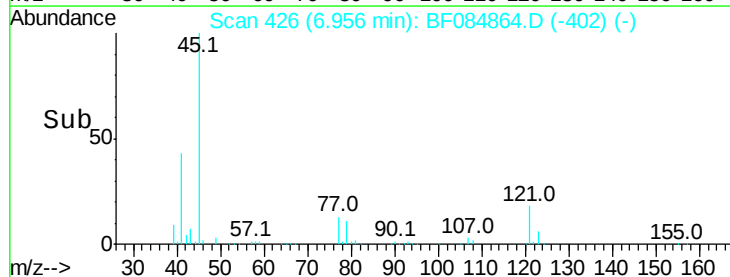
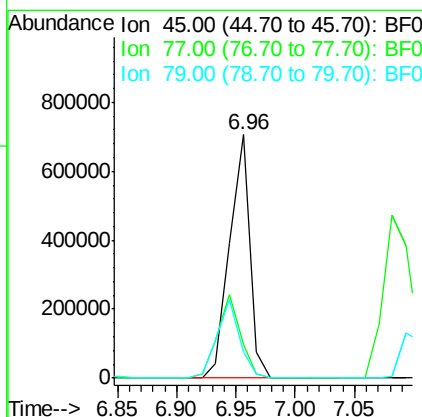
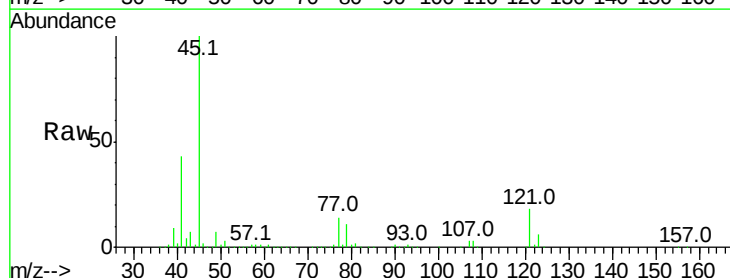
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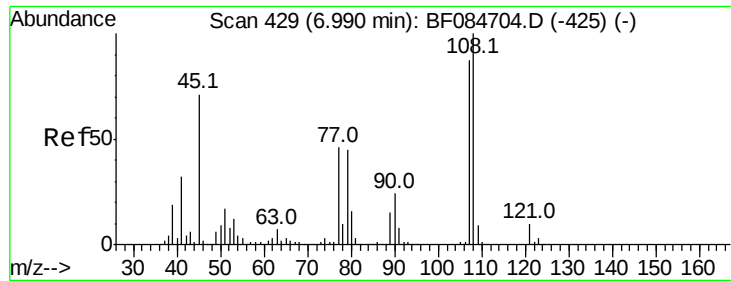
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.99 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	13.7	0.0	39.6	
79	10.8	0.0	35.0	





#17

2-Methylphenol

Concen: 51.30 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:107 Resp: 478348

Ion Ratio Lower Upper

107 100

108 114.9 89.8 134.6

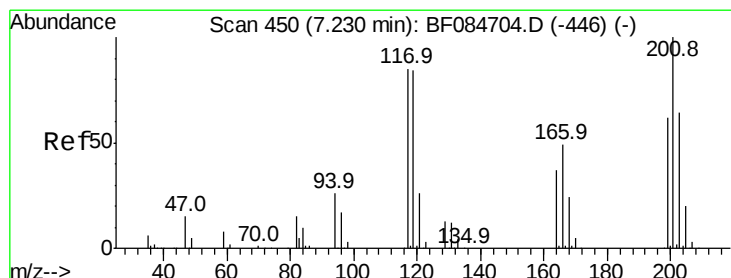
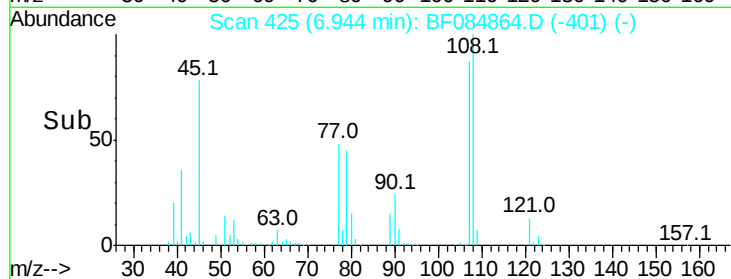
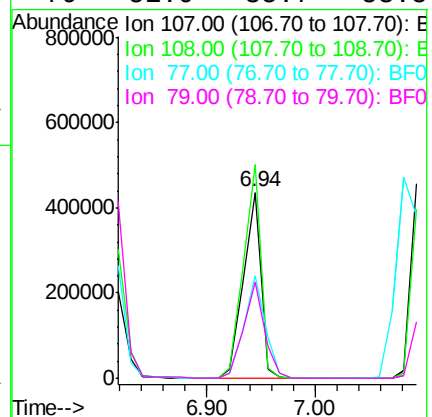
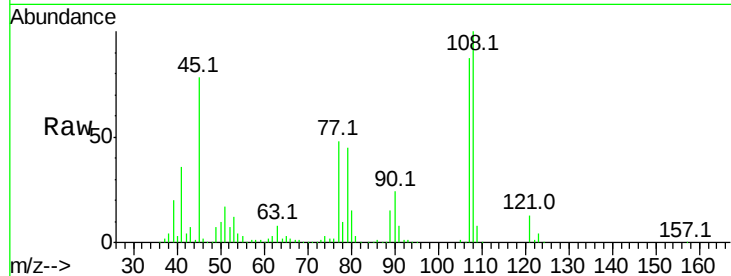
77 55.4 35.7 53.5

79 51.9 35.7 53.5

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#18

Hexachloroethane

Concen: 44.68 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

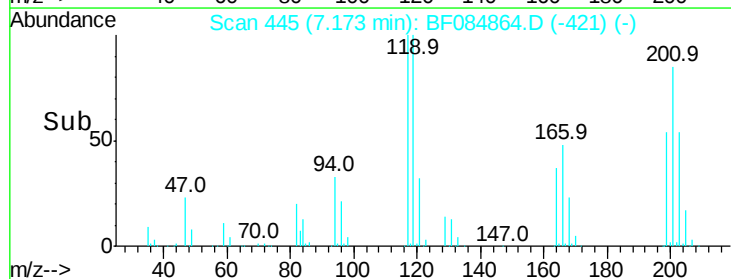
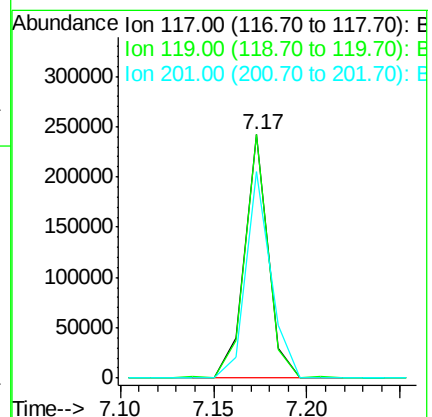
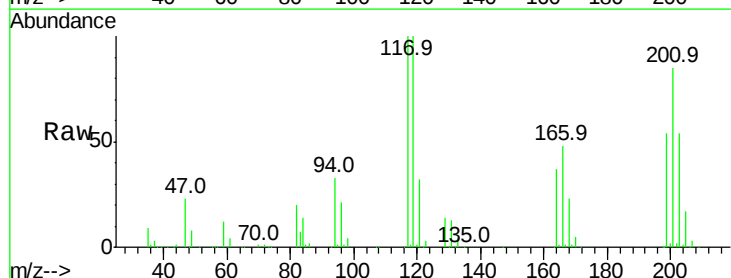
Tgt Ion:117 Resp: 214293

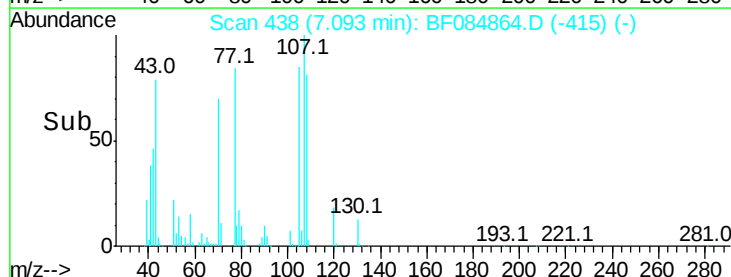
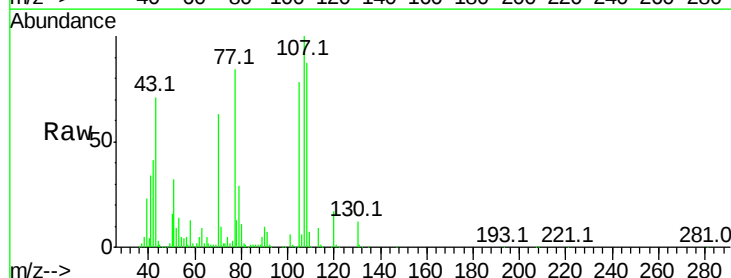
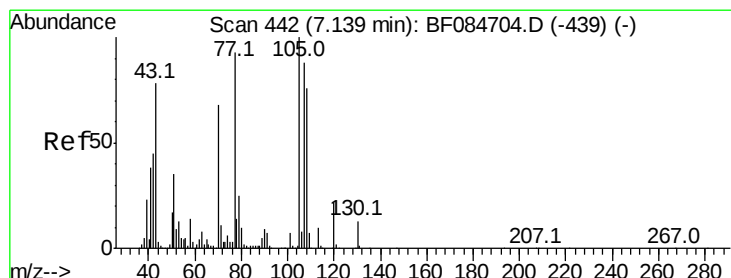
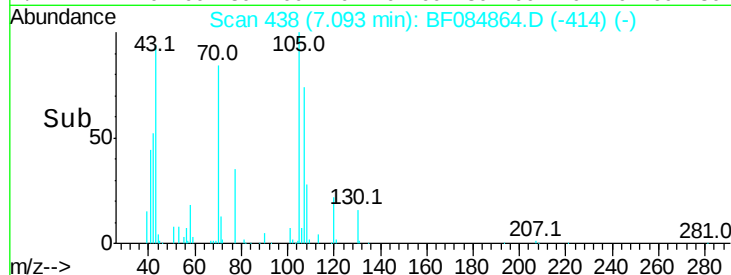
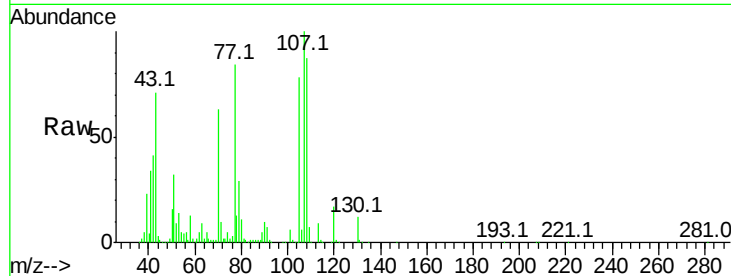
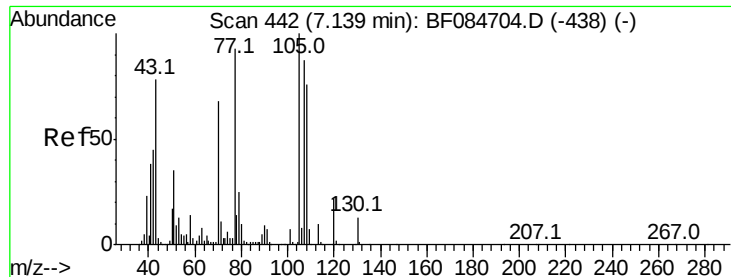
Ion Ratio Lower Upper

117 100

119 99.8 77.4 116.0

201 84.7 68.6 103.0





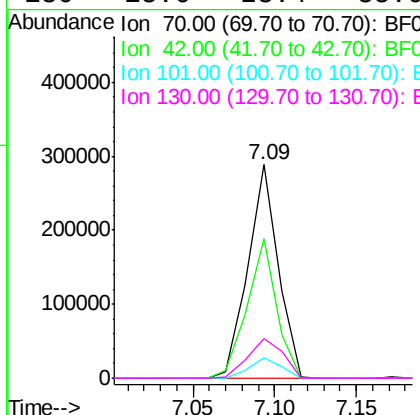
#19
n-Nitroso-di-n-propylamine
Concen: 45.88 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.5	33.3	49.9#
101	9.3	9.3	13.9
130	18.6	23.4	35.0#

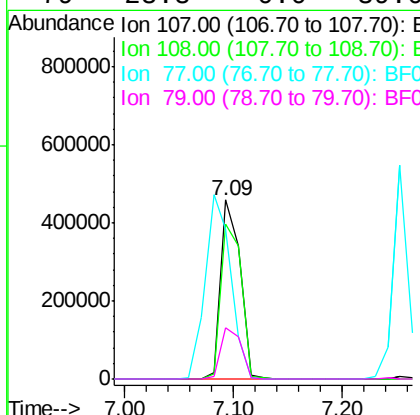
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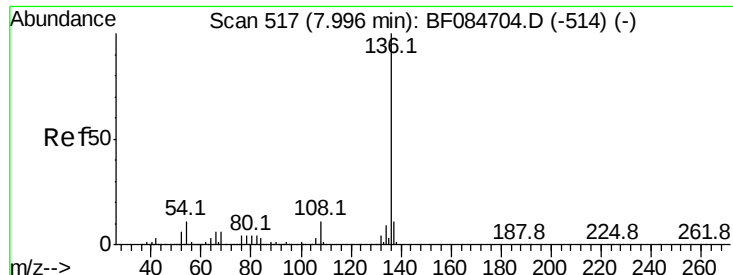
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#20
3+4-Methylphenols
Concen: 49.35 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.9	74.6	114.6
77	83.7	0.7	40.7#
79	28.8	0.0	39.0





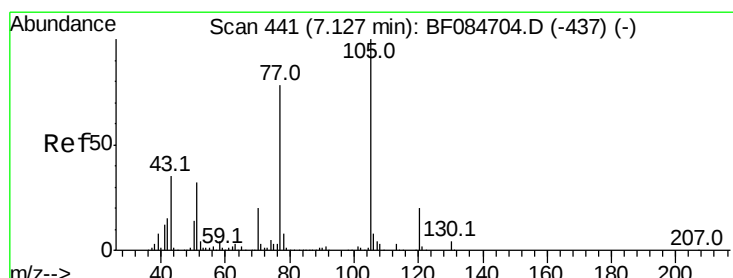
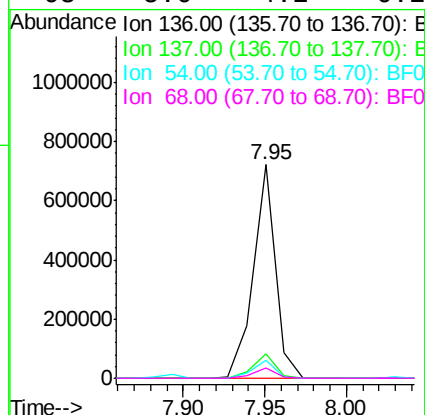
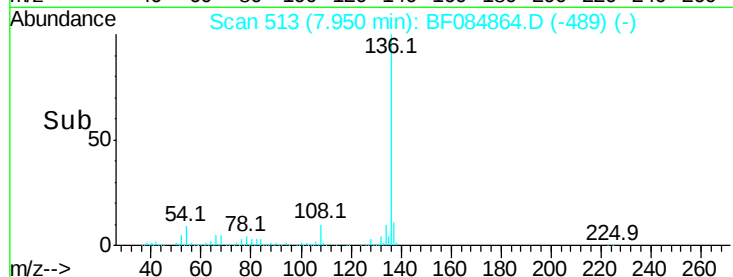
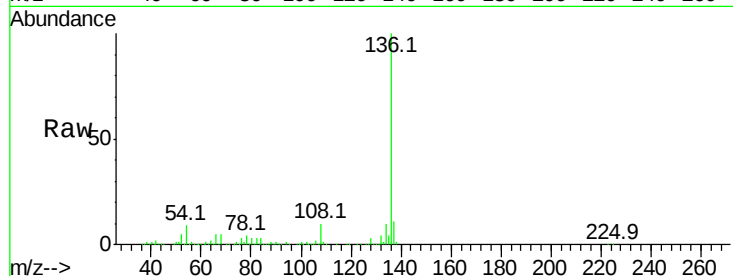
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		679325		
137	11.2	8.7	13.1		
54	8.6	5.8	8.8		
68	5.0	4.2	6.2		

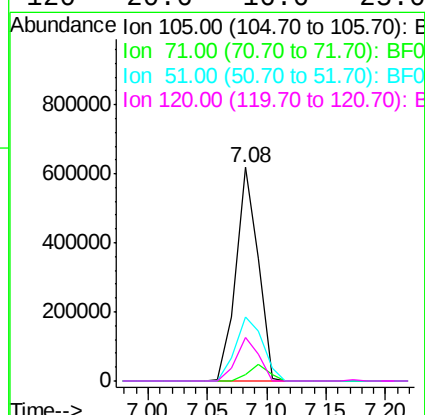
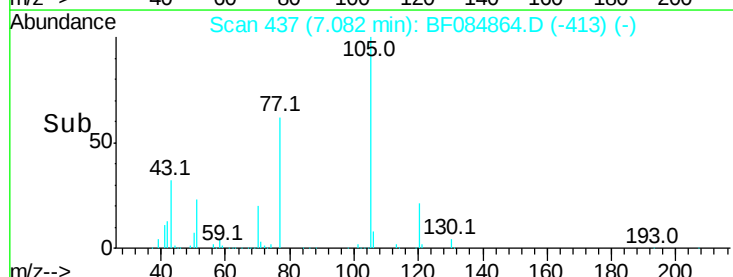
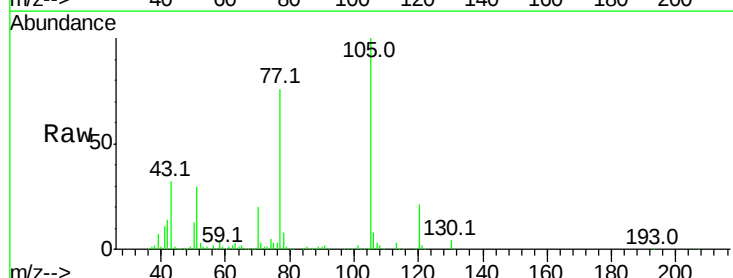
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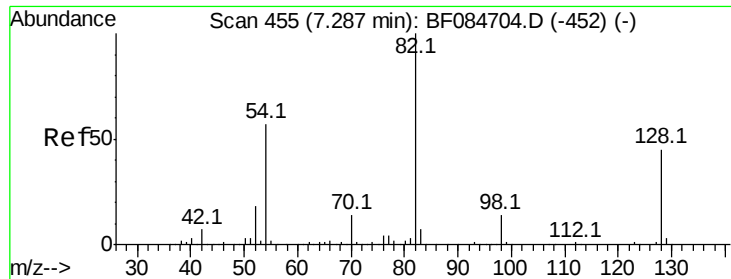
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#22
Acetophenone
Concen: 44.86 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		803177		
71	3.2	3.7	5.5#		
51	29.9	25.1	37.7		
120	20.6	16.6	25.0		





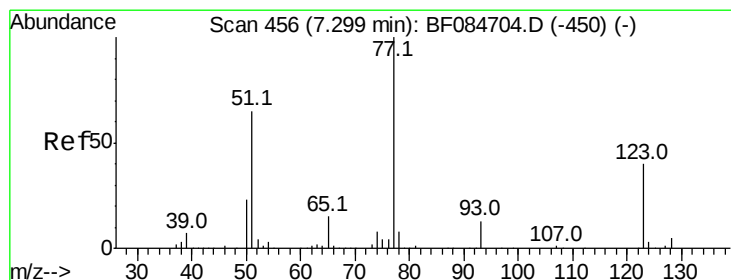
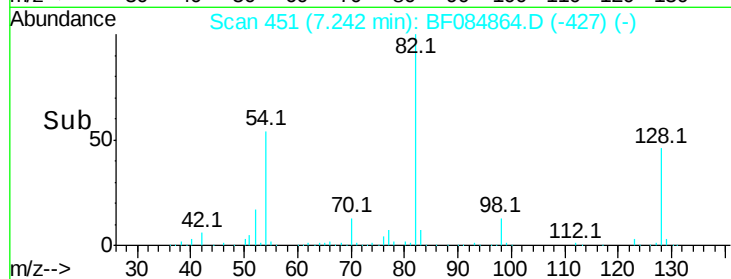
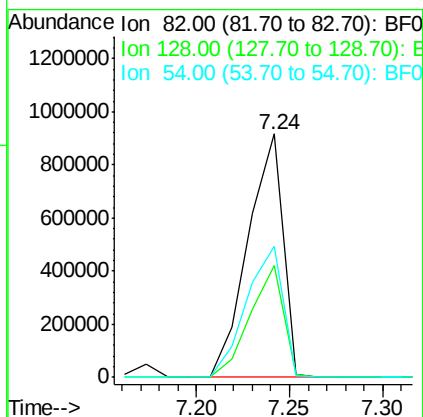
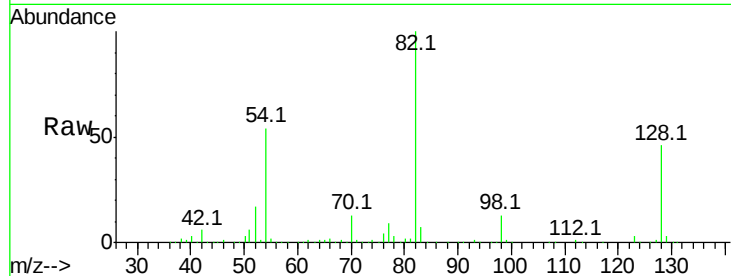
#23
 Nitrobenzene-d5
 Concen: 98.99 ng
 RT: 7.24 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.6	51.8
54	53.9	38.4	57.6

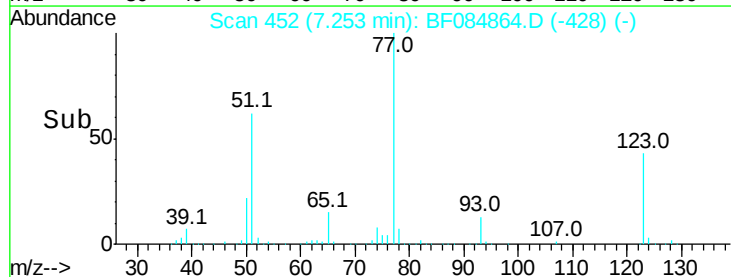
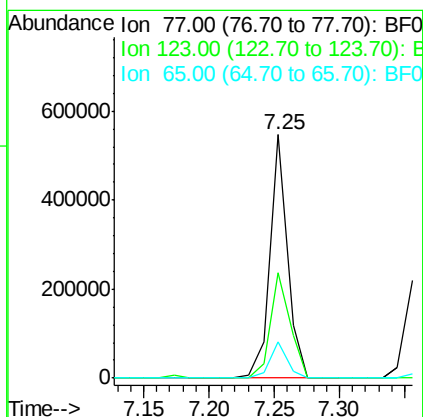
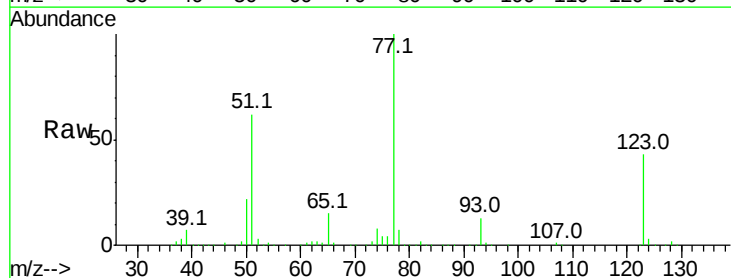
Manual Integrations
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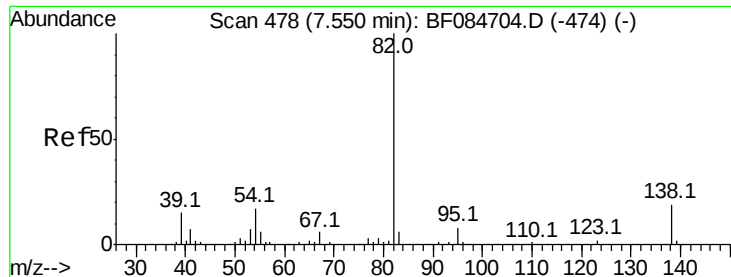
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#24
 Nitrobenzene
 Concen: 40.16 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.1	37.4	56.2
65	14.7	10.9	16.3





#25

Isophorone

Concen: 47.02 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion: 82 Resp: 1102598

Ion Ratio Lower Upper

82 100

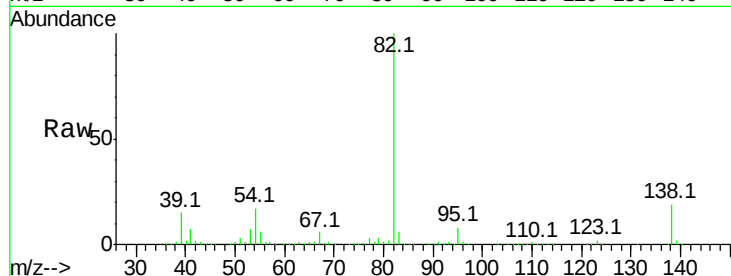
95 8.0 6.6 10.0

138 19.4 13.6 20.4

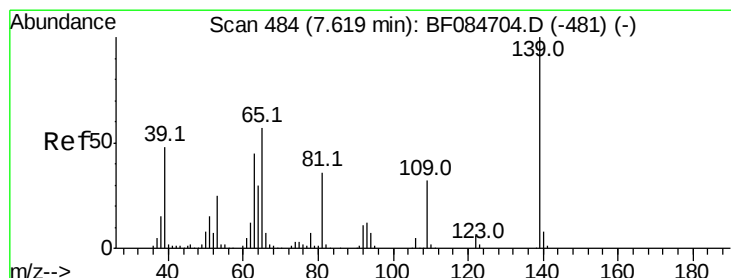
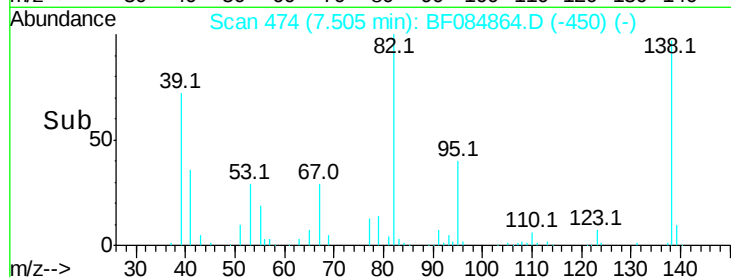
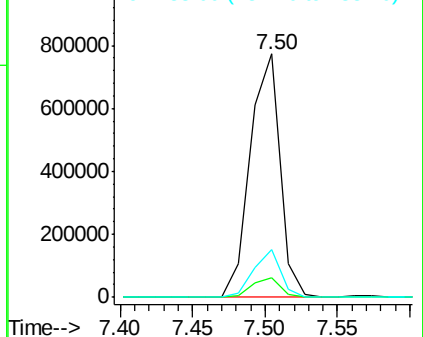
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 50.89 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

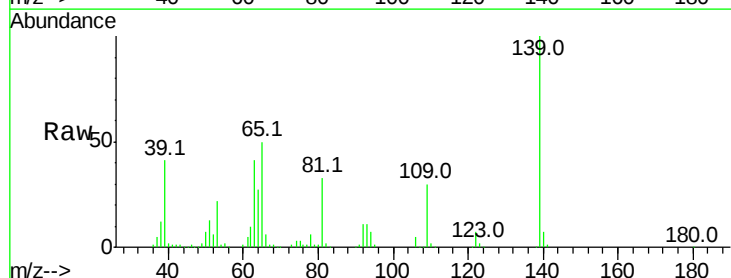
Tgt Ion: 139 Resp: 324127

Ion Ratio Lower Upper

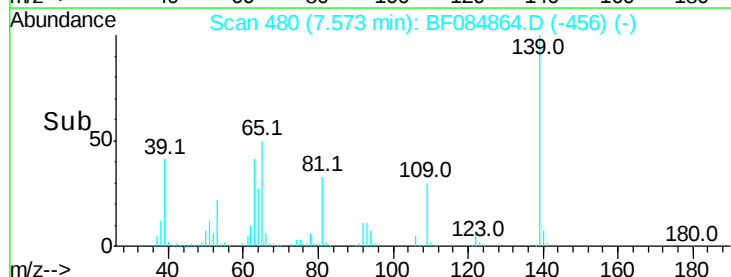
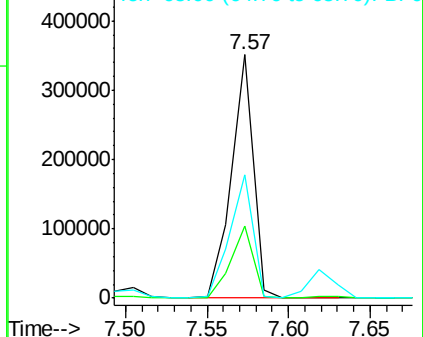
139 100

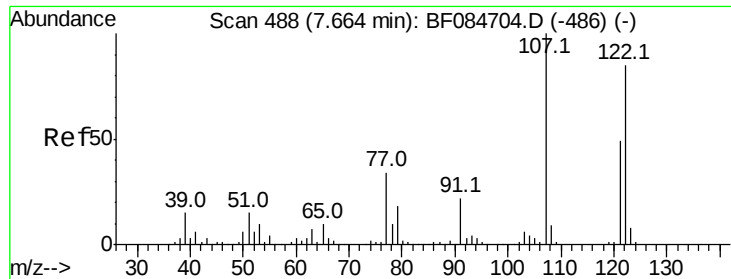
109 29.8 25.4 38.2

65 50.5 32.3 48.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





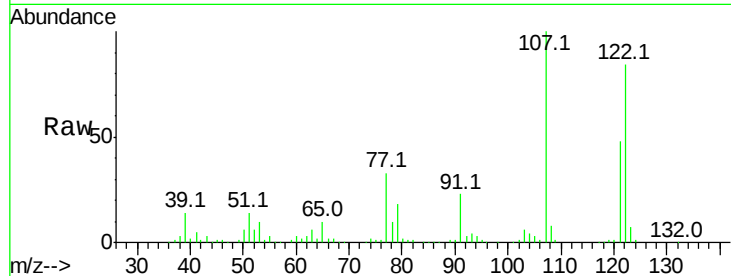
#27
 2,4-Dimethylphenol
 Concen: 46.55 ng
 RT: 7.62 min Scan# 484
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

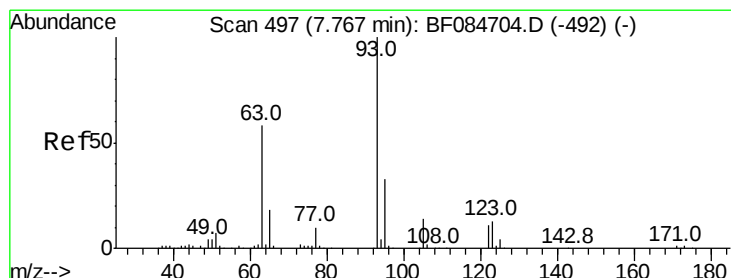
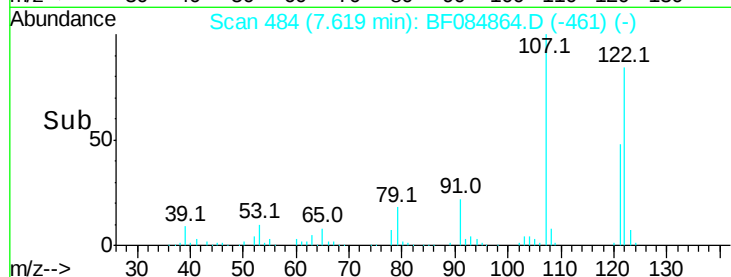
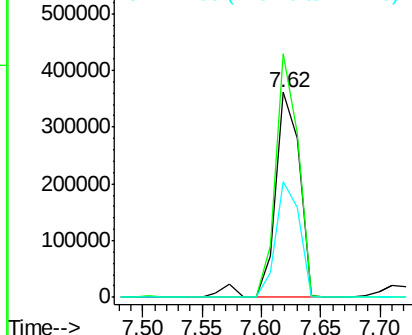
Tot Ion	Ratio	Resp	Lower	Upper
122	100	515691		
107	118.8	99.1	148.7	
121	56.6	47.9	71.9	

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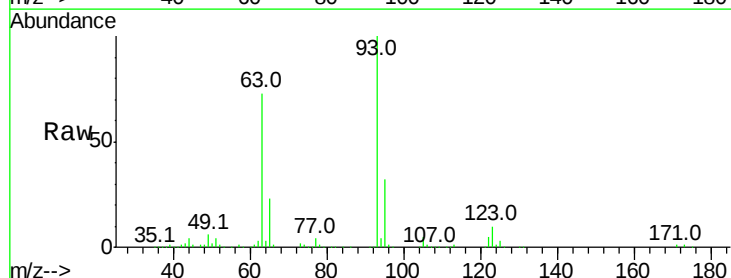


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

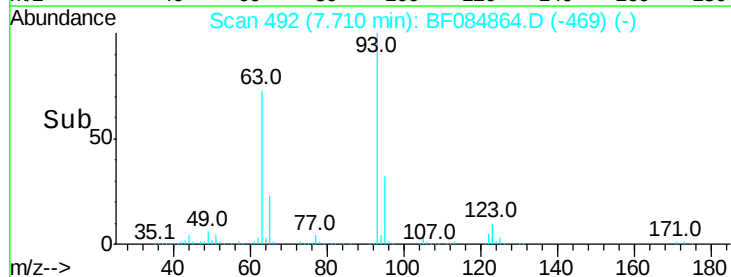
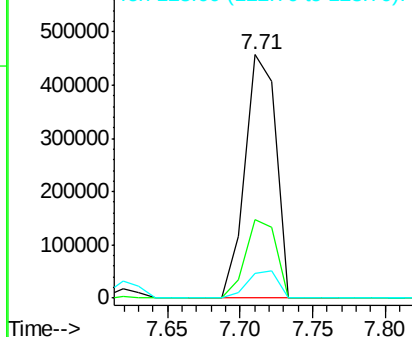


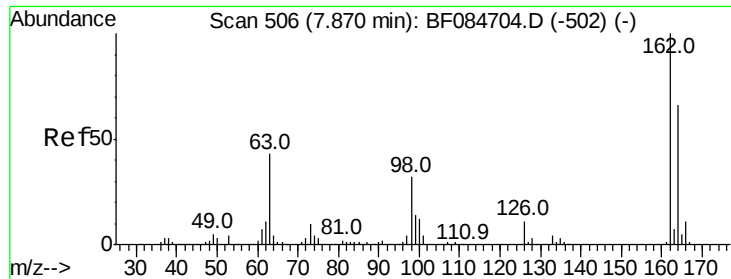
#28
 bis(2-Chloroethoxy)methane
 Concen: 48.44 ng
 RT: 7.71 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	673860		
95	32.5	25.8	38.6	
123	10.2	8.6	12.8	



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E





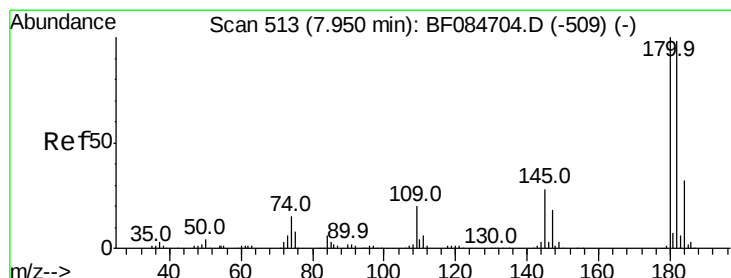
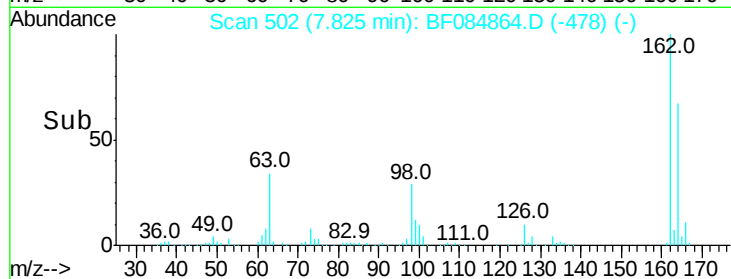
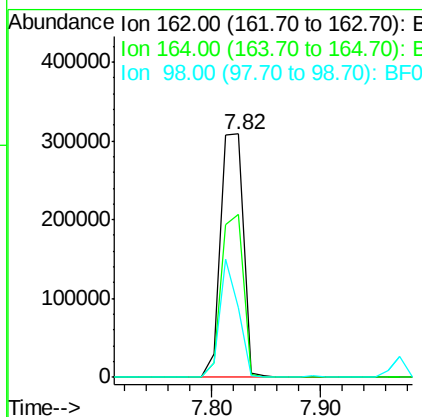
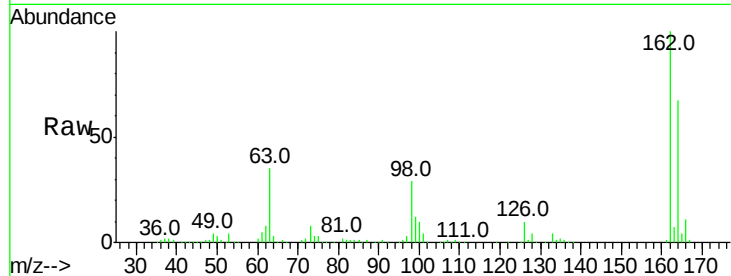
#29
 2,4-Dichlorophenol
 Concen: 47.43 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	449552		
164	67.1	44.1	84.1	
98	28.6	20.2	60.2	

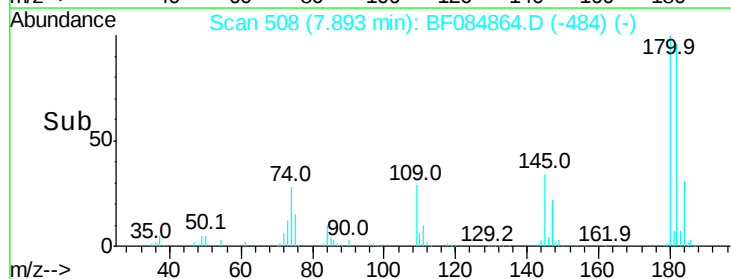
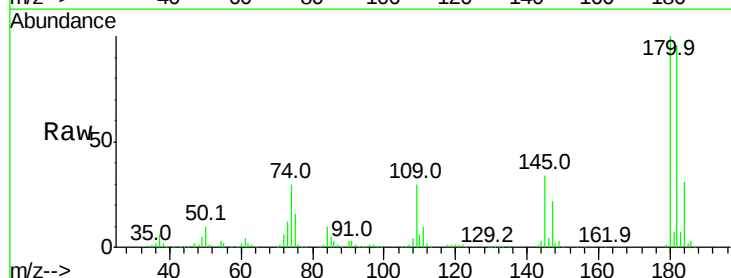
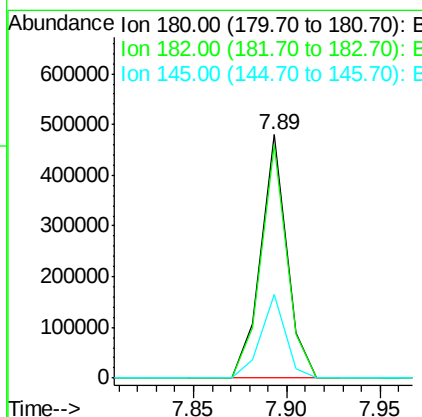
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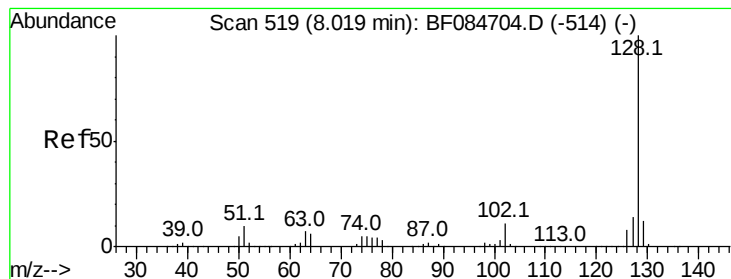
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#30
 1,2,4-Trichlorobenzene
 Concen: 43.36 ng
 RT: 7.89 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	464219		
182	95.9	76.4	114.6	
145	34.4	31.6	47.4	





#31

Naphthalene

Concen: 45.86 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:128 Resp: 1562664

Ion Ratio Lower Upper

128 100

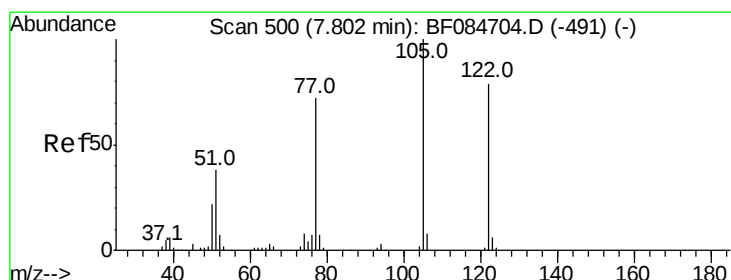
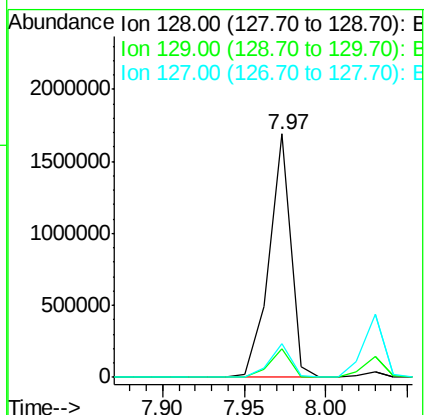
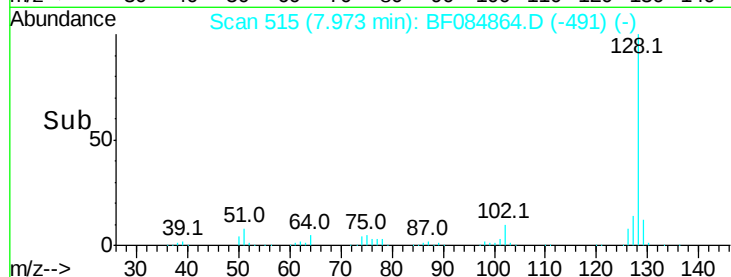
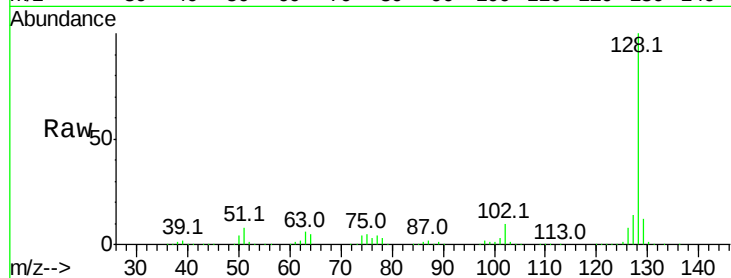
129 11.9 9.1 13.7

127 13.7 11.1 16.7

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#32

Benzoic acid

Concen: 6.44 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.08 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

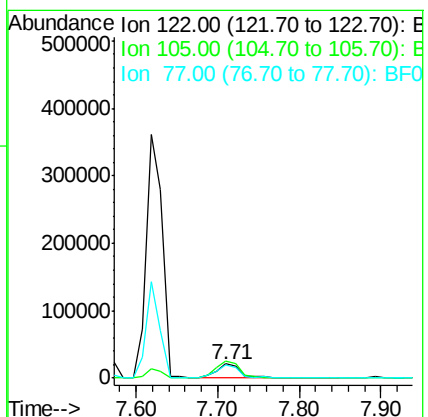
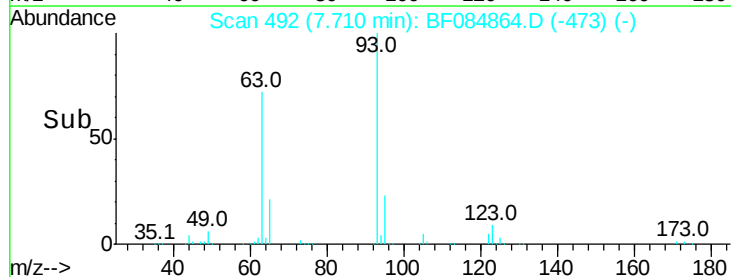
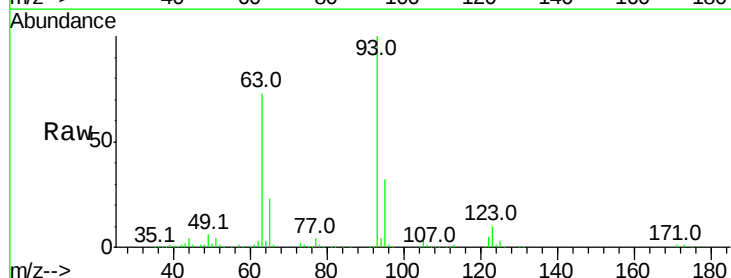
Tgt Ion:122 Resp: 45633

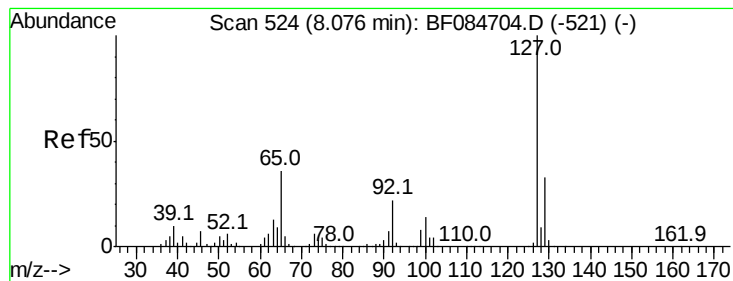
Ion Ratio Lower Upper

122 100

105 120.3 100.3 140.3

77 96.5 63.5 103.5





#33

4-Chloroaniline

Concen: 28.71 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

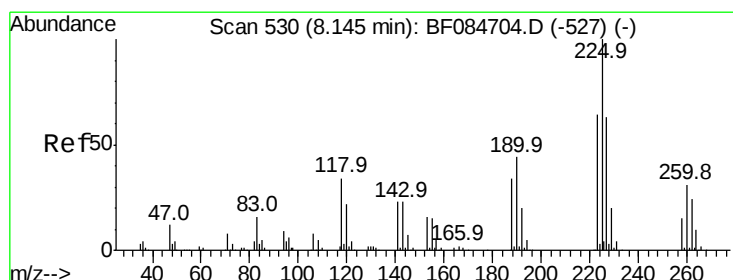
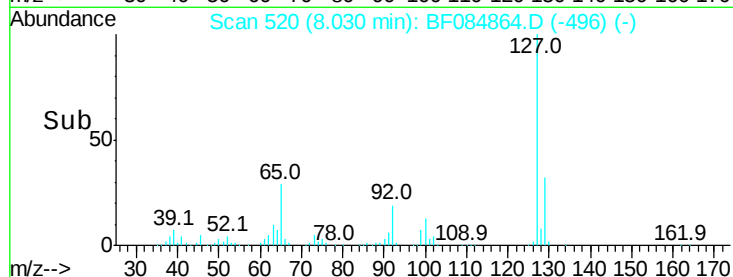
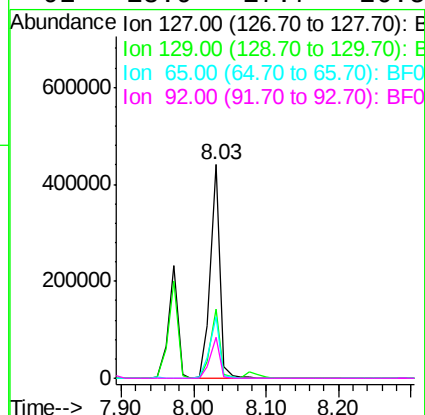
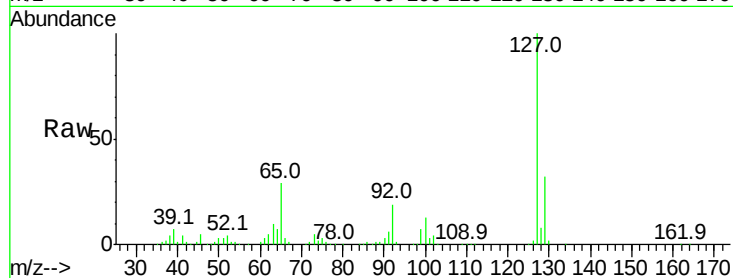
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.3	26.5	39.7	
65	28.7	27.2	40.8	
92	18.9	17.7	26.5	

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#34

Hexachlorobutadiene

Concen: 44.18 ng

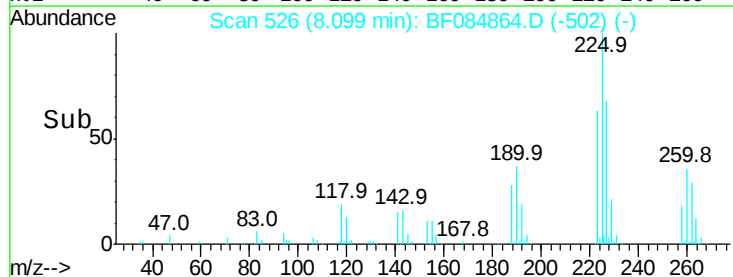
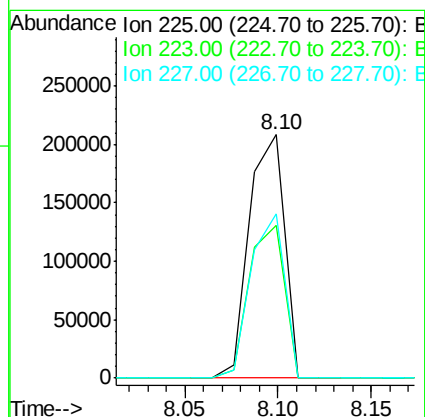
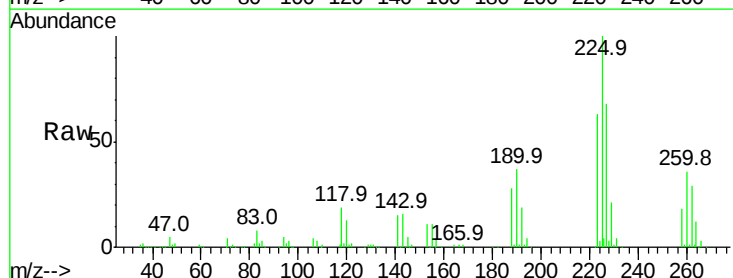
RT: 8.10 min Scan# 526

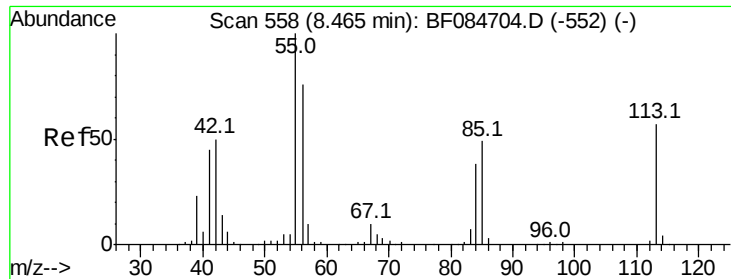
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	49.4	74.0	
227	67.6	50.8	76.2	





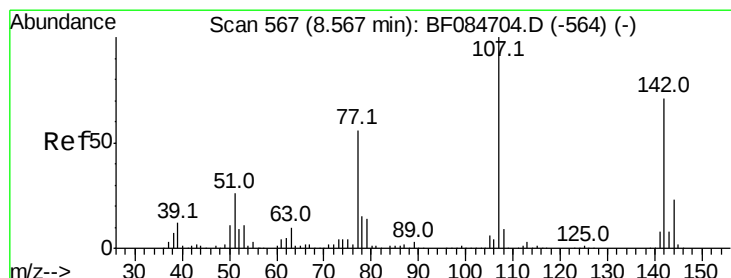
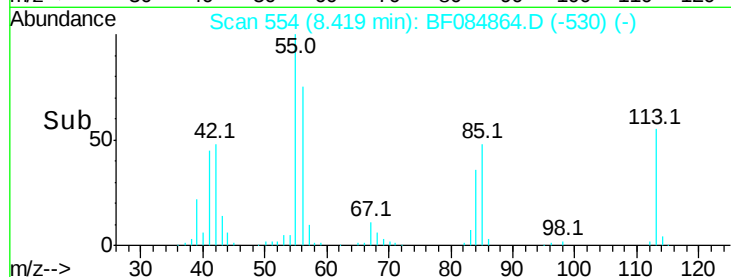
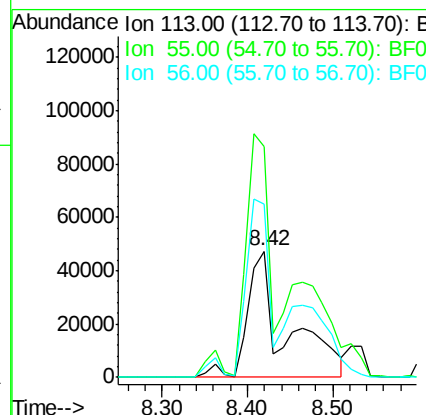
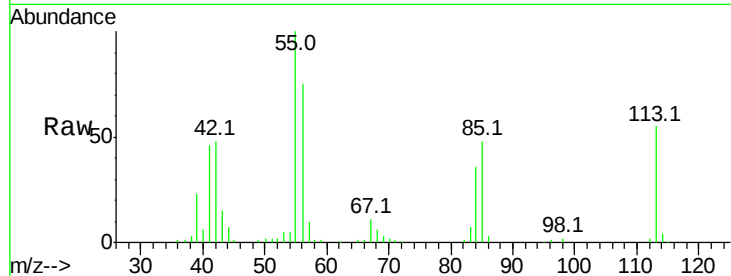
#35
 Caprolactam
 Concen: 50.71 ng/ml
 RT: 8.42 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	182.1	116.9	156.9#
56	137.1	93.8	133.8#

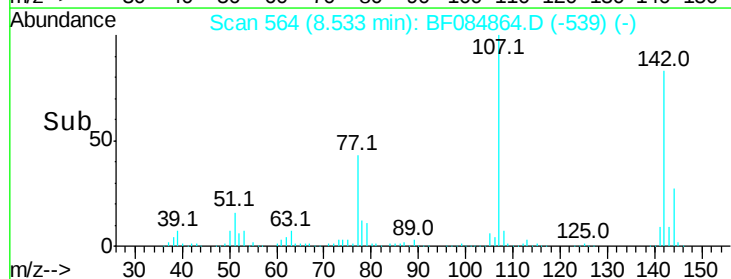
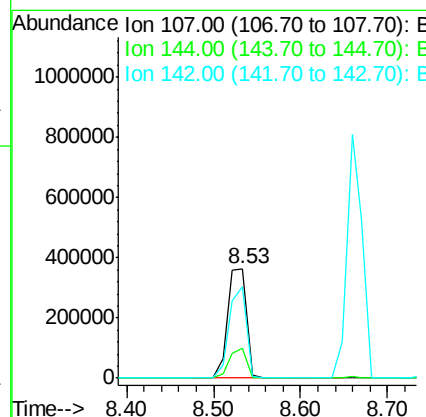
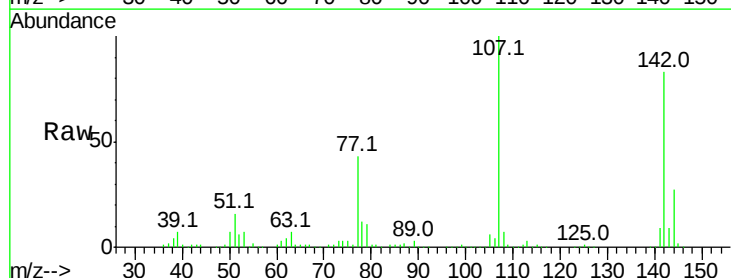
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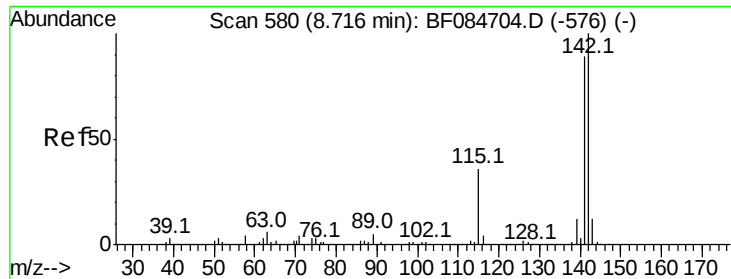
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#36
 4-Chloro-3-methylphenol
 Concen: 50.95 ng/ml
 RT: 8.53 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	19.7	29.5
142	83.2	61.8	92.6





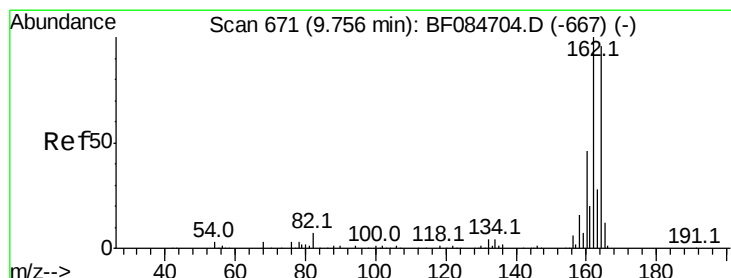
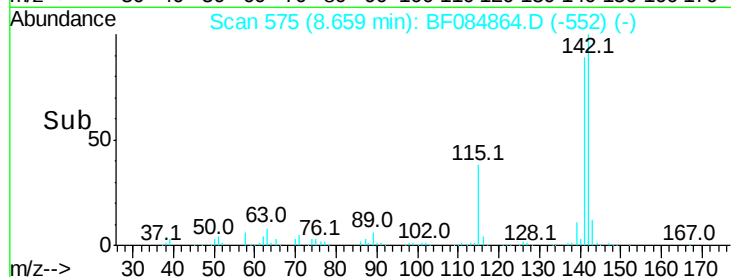
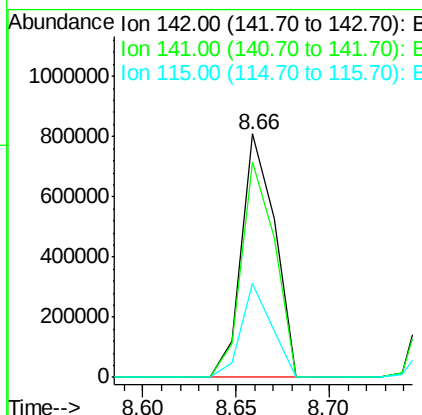
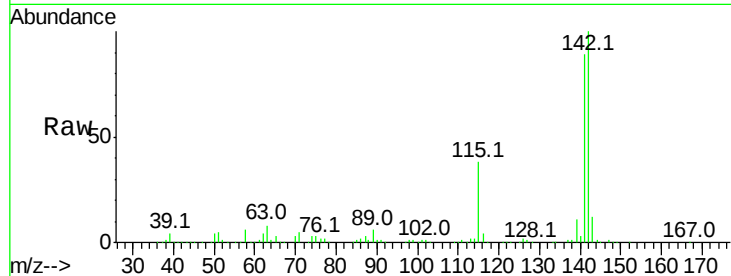
#37
2-Methylnaphthalene
Concen: 47.00 ng
RT: 8.66 min Scan# 575
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.4	108.6
115	38.5	27.9	41.9

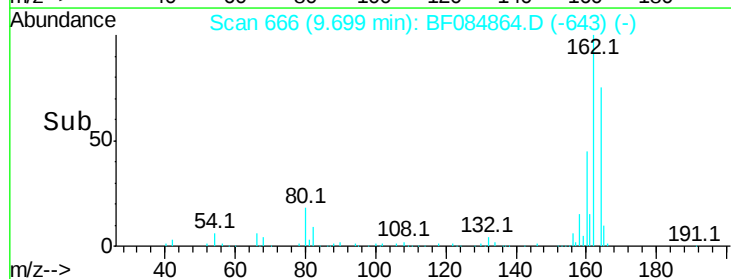
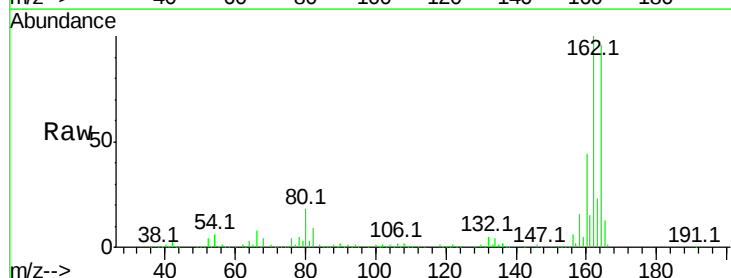
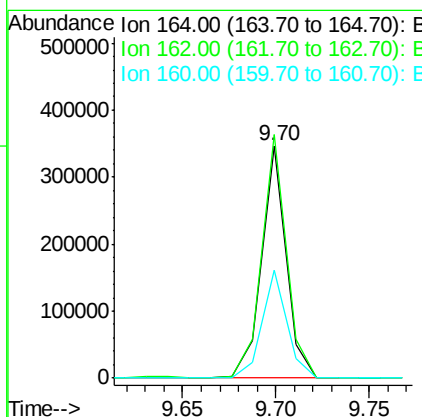
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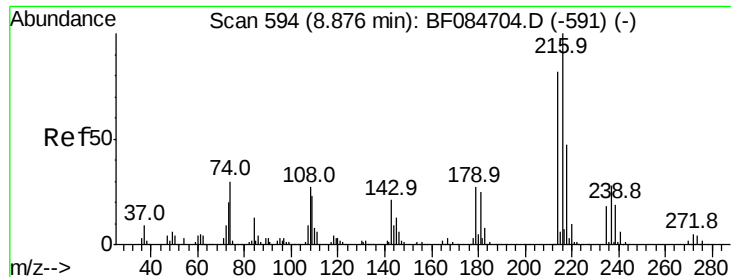
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	85.1	127.7
160	46.2	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.17 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

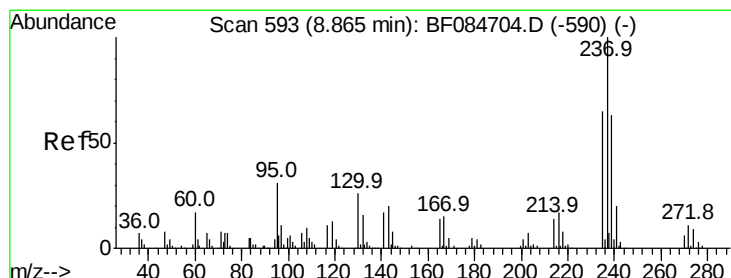
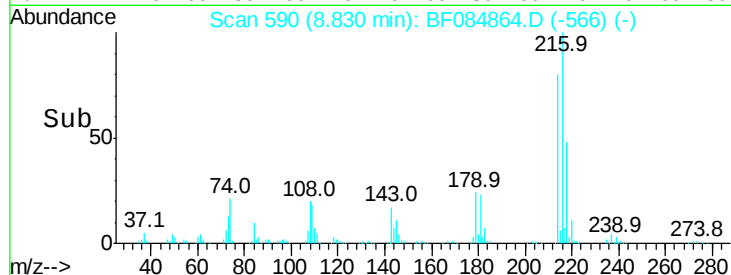
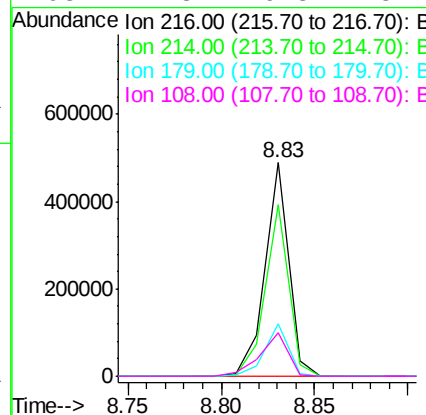
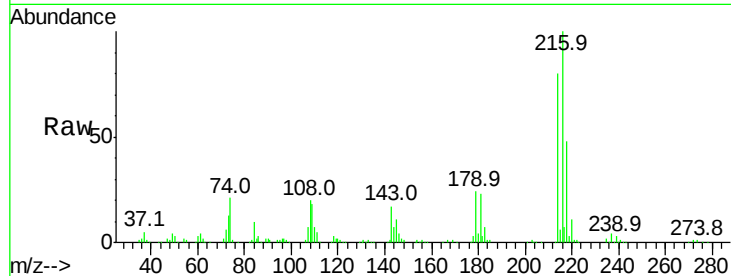
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	428210		
214	79.6	64.2	96.2	
179	24.0	18.7	28.1	
108	24.3	16.8	25.2	

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#40

Hexachlorocyclopentadiene

Concen: 89.41 ng

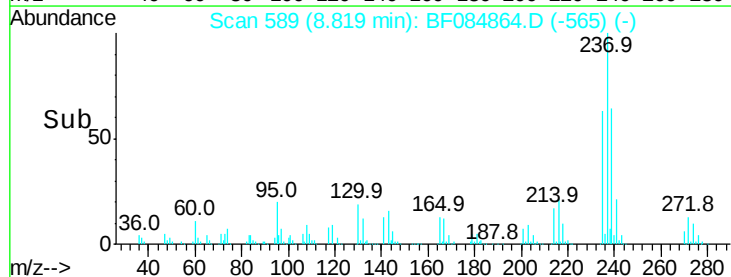
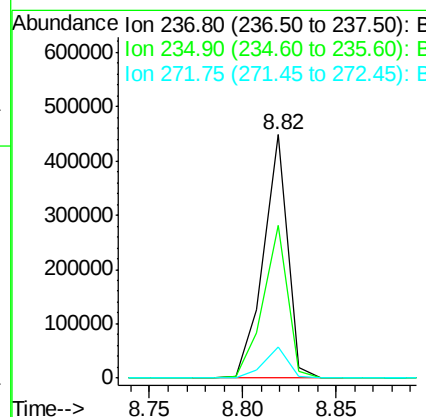
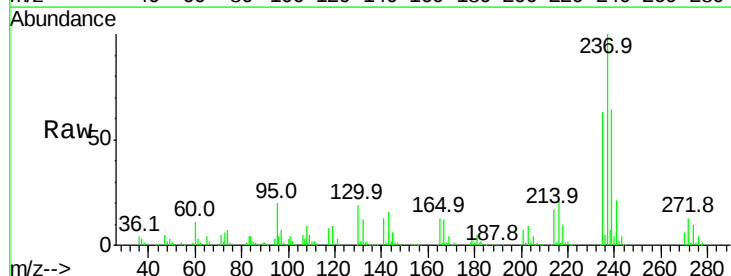
RT: 8.82 min Scan# 589

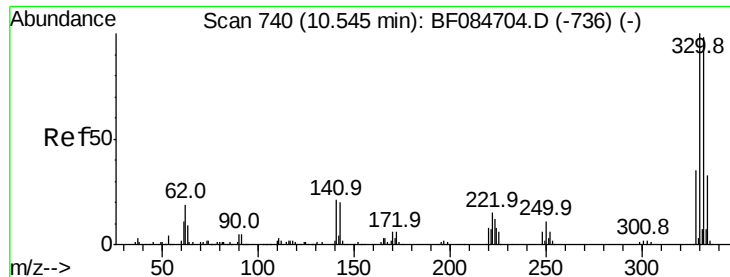
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	410347		
235	62.7	43.1	83.1	
272	12.9	0.0	35.1	





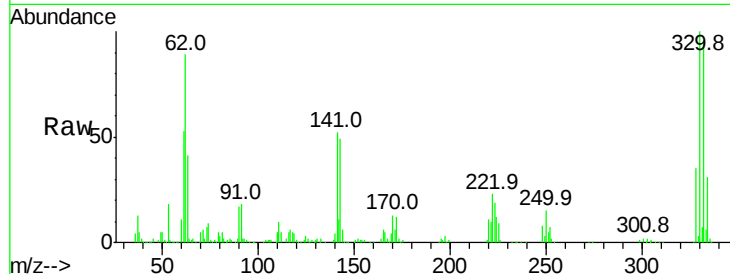
#41
 2,4,6-Tribromophenol
 Concen: 135.94 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

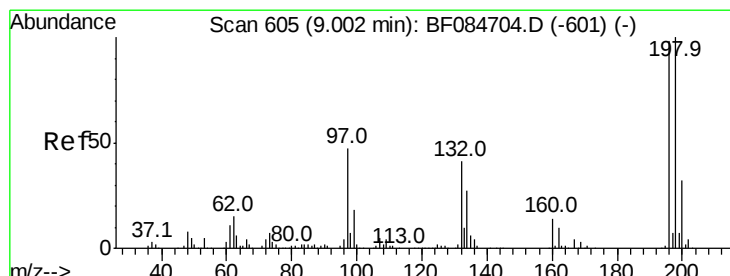
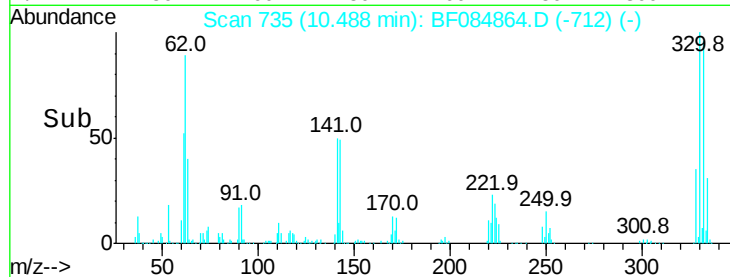
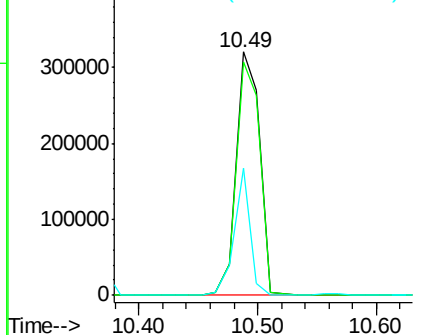
Tot Ion	Ratio	Resp	Lower	Upper
330	100	442904		
332	97.3	76.6	114.8	
141	35.2	27.8	41.6	

Manual Integrations
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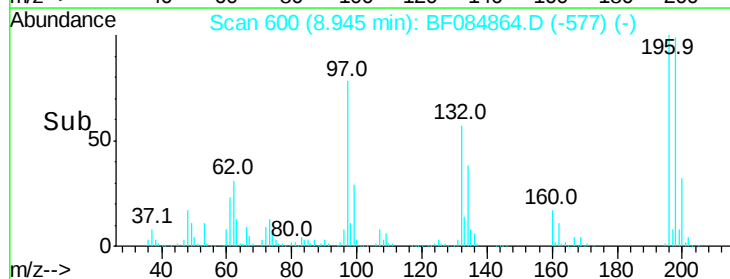
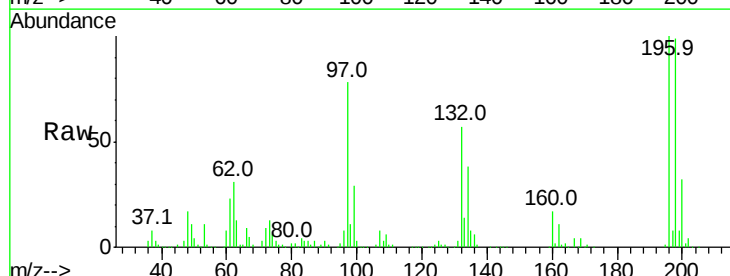
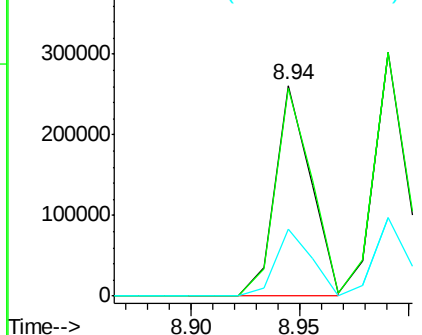
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

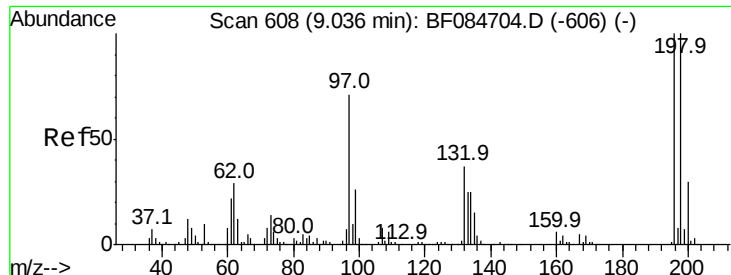


#42
 2,4,6-Trichlorophenol
 Concen: 47.11 ng
 RT: 8.94 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	301080		
198	98.9	77.7	116.5	
200	31.6	24.6	37.0	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





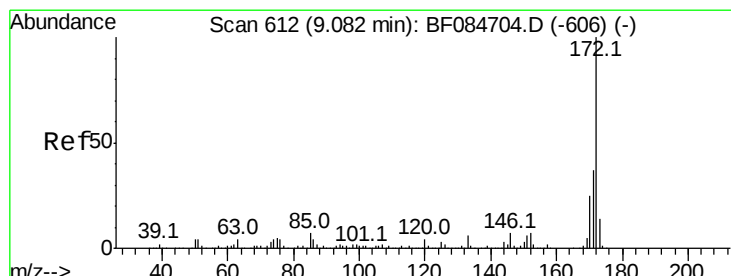
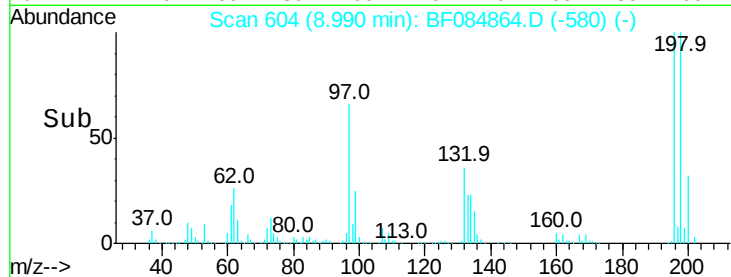
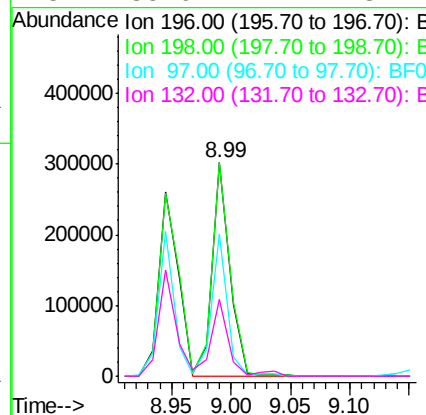
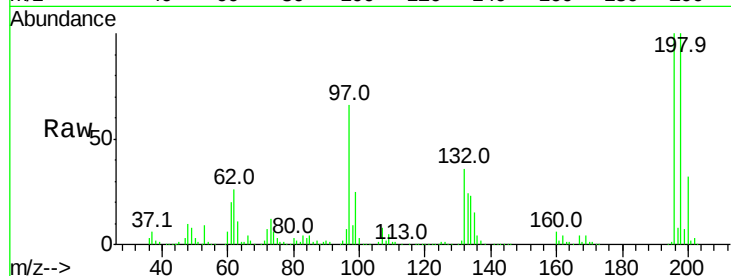
#43
 2,4,5-Trichlorophenol
 Concen: 48.04 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion:	196	Resp:	311960
Ion Ratio	Lower	Upper	
196	100		
198	100.0	79.0	118.6
97	66.4	33.0	49.6#
132	35.9	21.1	31.7#

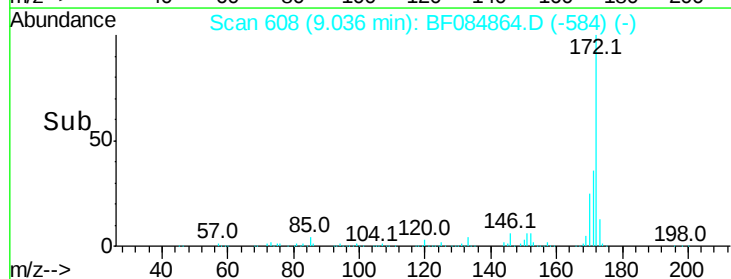
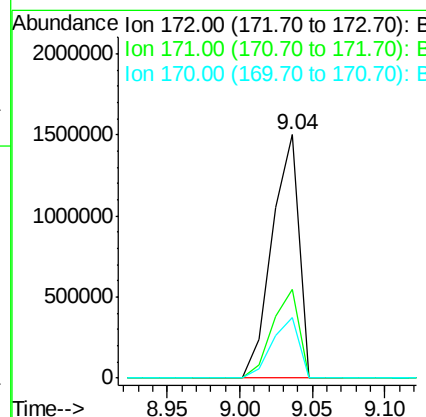
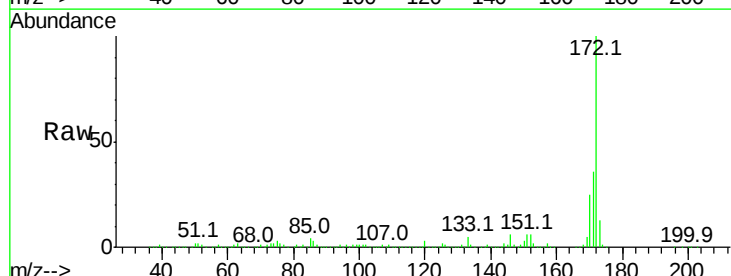
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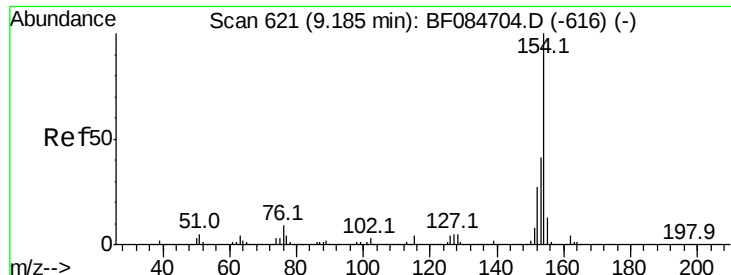
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#44
 2-Fluorobiphenyl
 Concen: 120.24 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion:	172	Resp:	1922057
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.9	43.3
170	24.8	18.6	27.8





#45

1,1'-Biphenyl

Concen: 40.92 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:154 Resp: 1141489

Ion Ratio Lower Upper

154 100

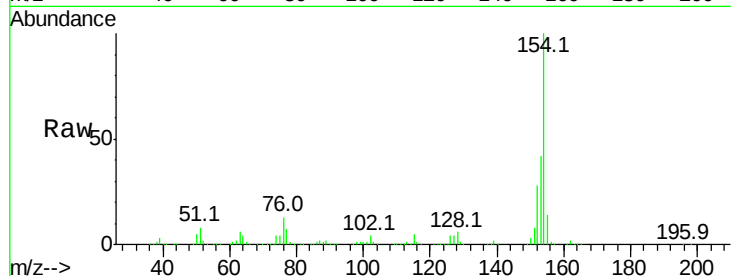
153 41.5 21.6 61.6

76 13.0 0.0 32.7

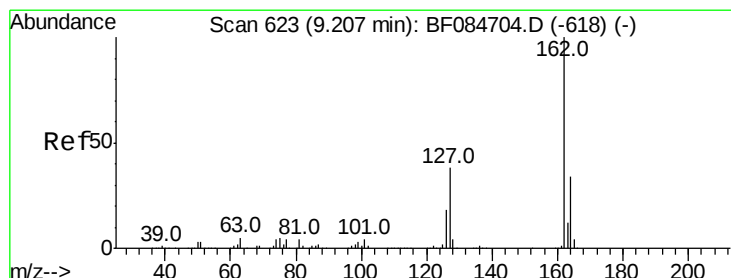
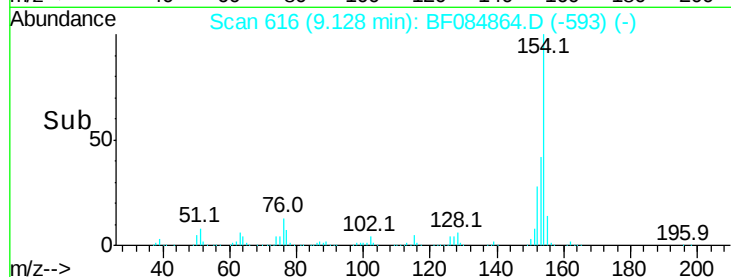
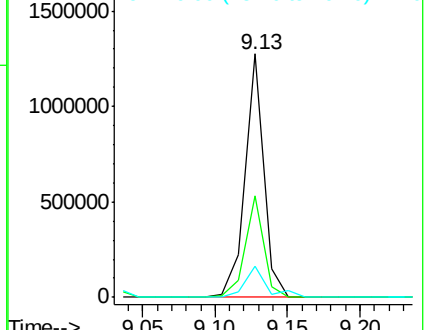
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 45.16 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

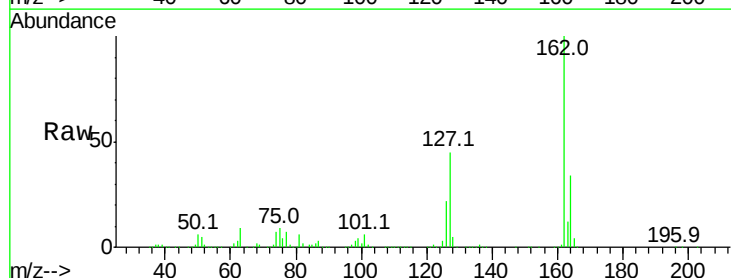
Tgt Ion:162 Resp: 927898

Ion Ratio Lower Upper

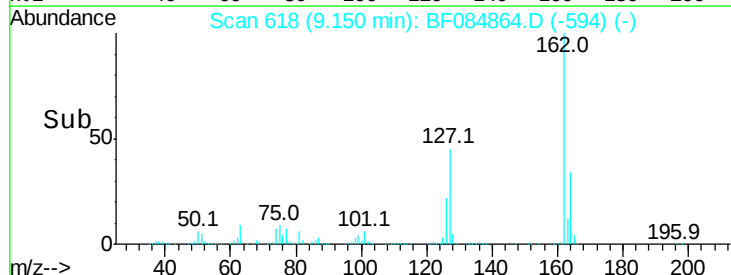
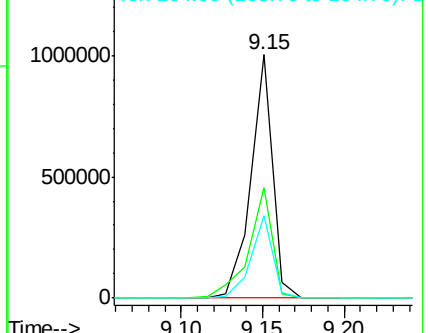
162 100

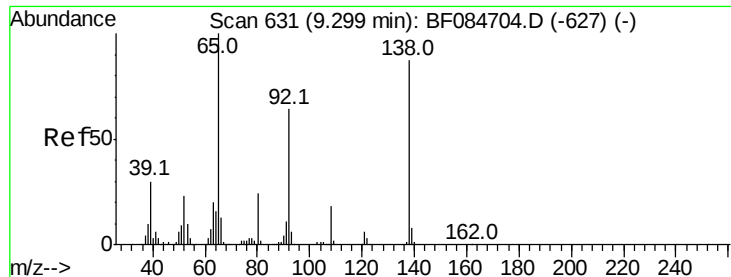
127 45.2 40.2 60.4

164 33.7 25.7 38.5



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: 48.50 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

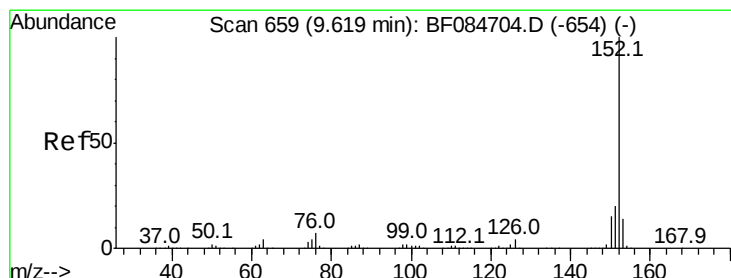
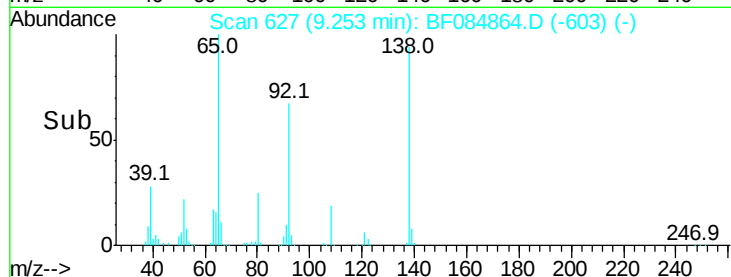
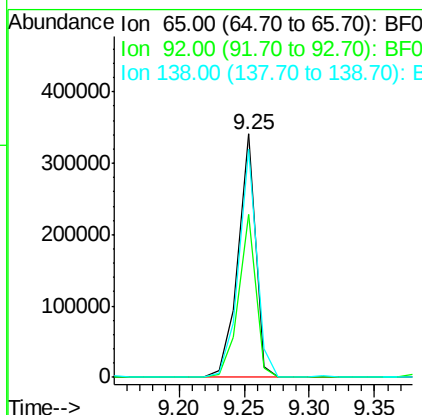
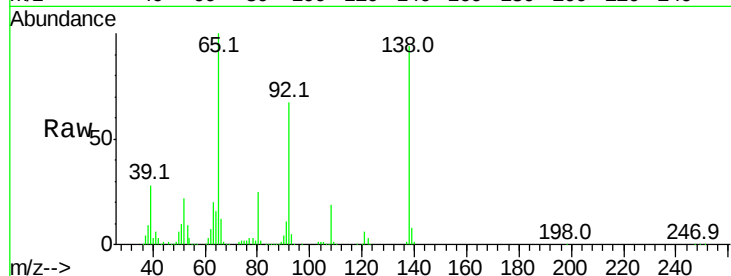
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	65	Resp:	315527
Ion Ratio	Lower	Upper	
65	100		
92	67.0	53.4	80.2
138	93.9	71.1	106.7

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#48

Acenaphthylene

Concen: 42.05 ng

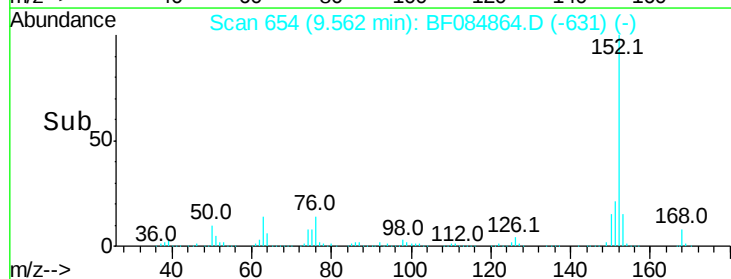
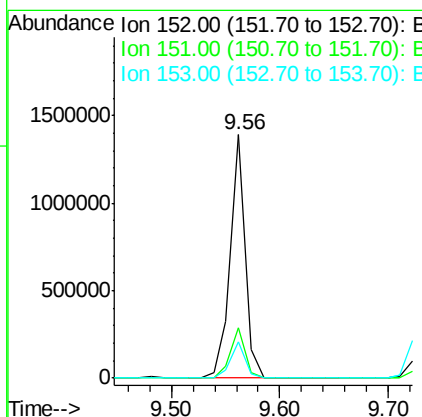
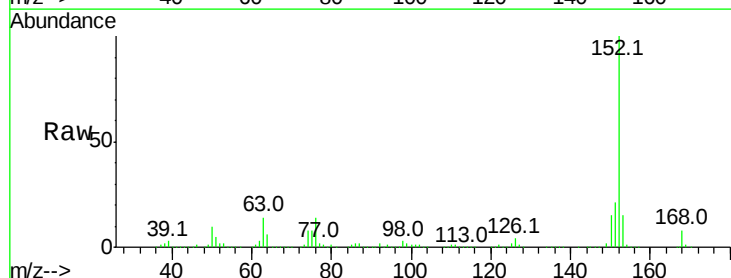
RT: 9.56 min Scan# 654

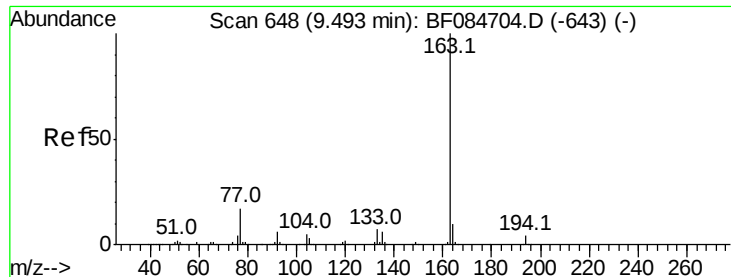
Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	152	Resp:	1310885
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	15.0	10.4	15.6





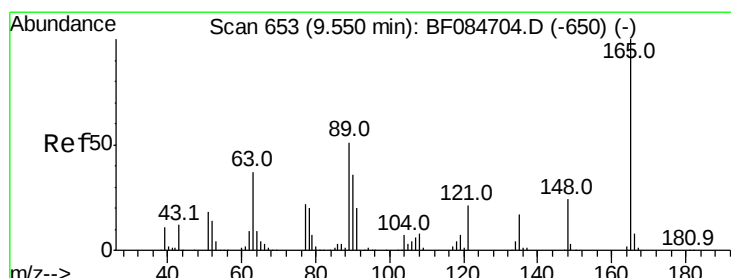
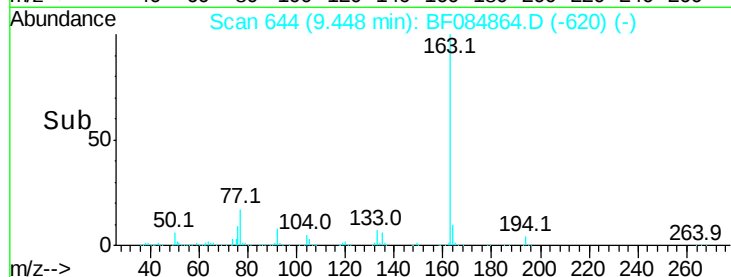
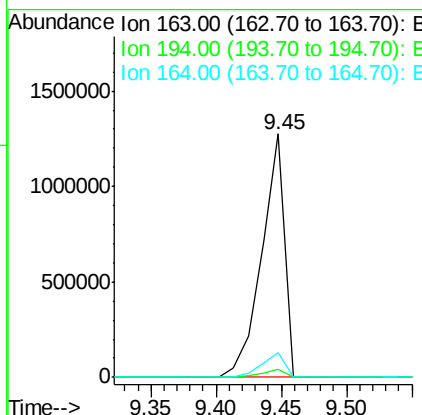
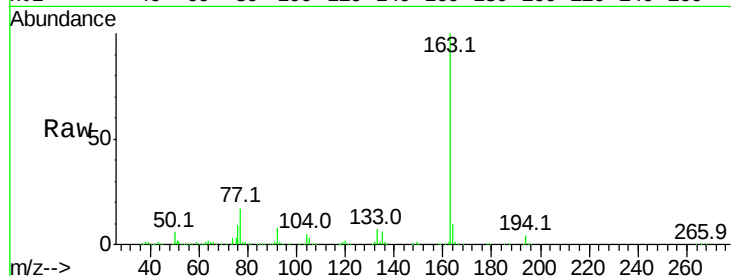
#49
Dimethylphthalate
Concen: 65.26 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	10.2	8.0	12.0

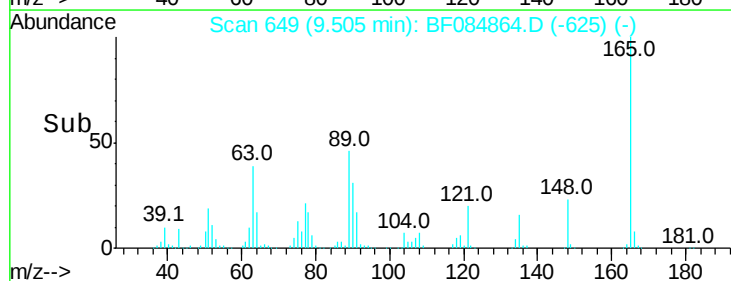
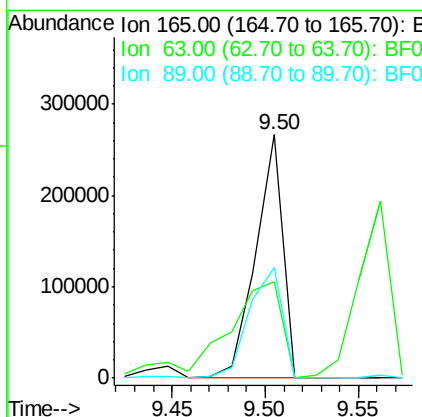
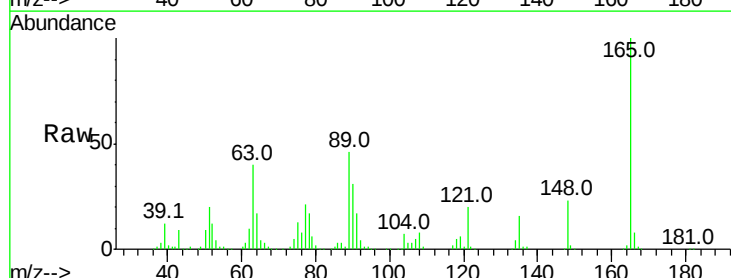
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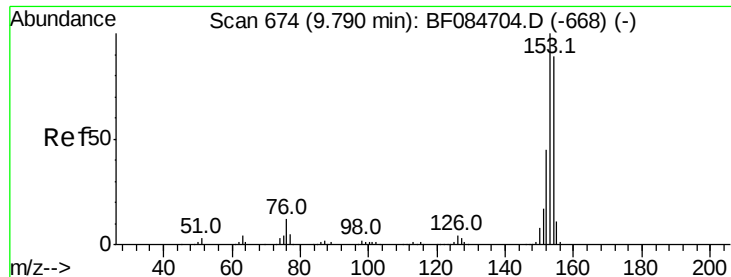
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#50
2,6-Dinitrotoluene
Concen: 52.23 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	39.6	28.8	43.2
89	45.6	35.1	52.7





#51

Acenaphthene

Concen: 42.06 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

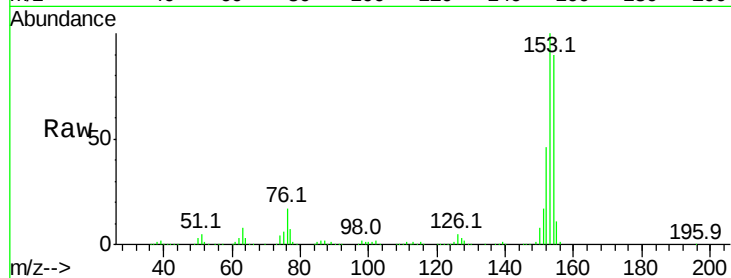
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	154	Resp:	853149
Ion Ratio	Lower	Upper	
154	100		
153	111.6	91.5	137.3
152	51.6	43.0	64.6

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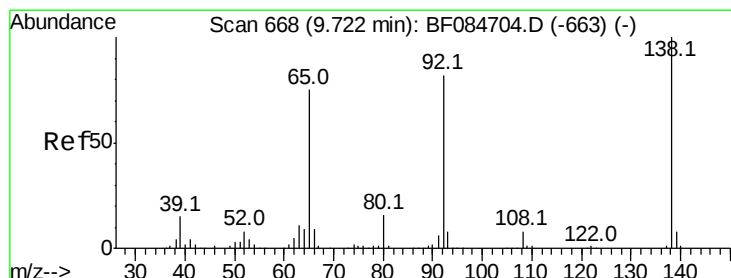
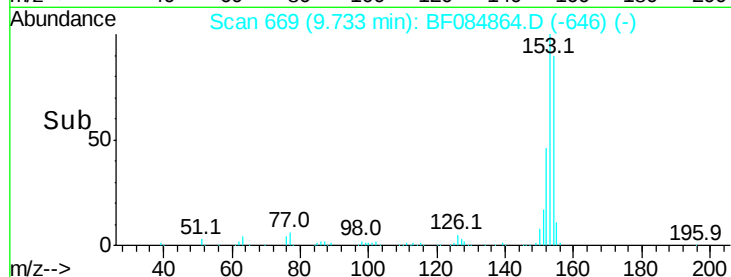
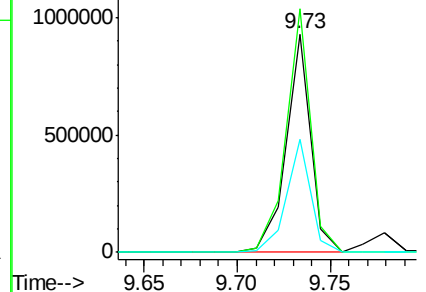
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.69 ng

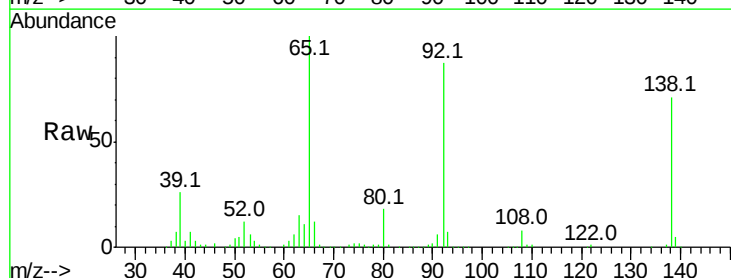
RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

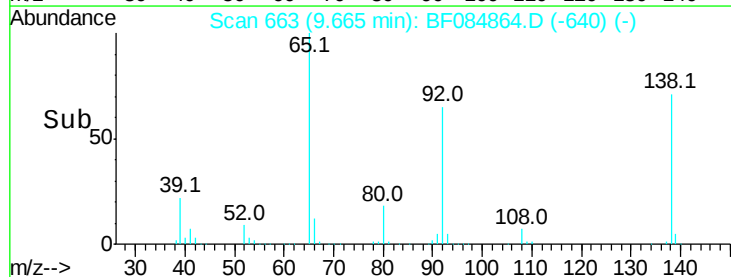
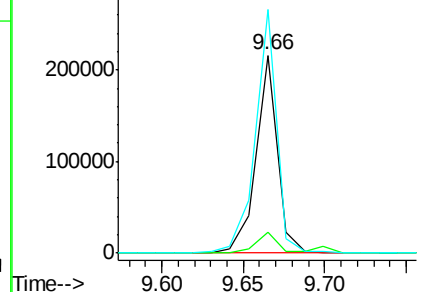
Tgt Ion:	138	Resp:	196773
Ion Ratio	Lower	Upper	
138	100		
108	10.7	10.5	15.7
92	123.2	103.9	155.9

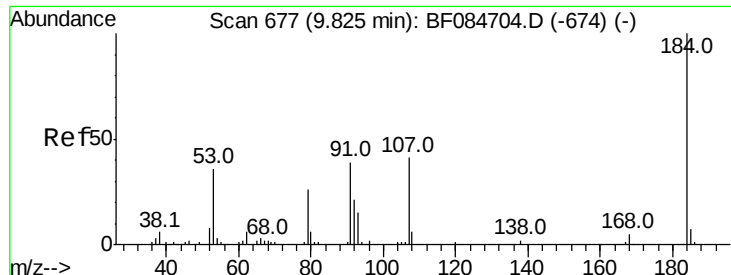


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





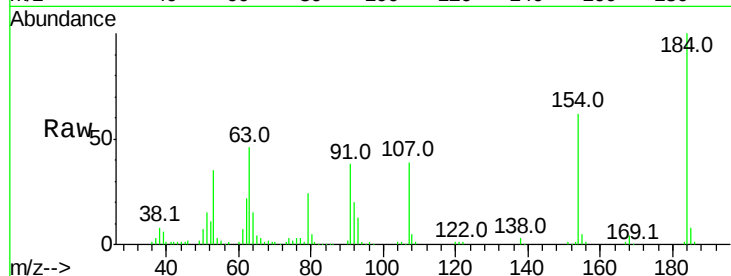
#53
 2,4-Dinitrophenol
 Concen: 57.83 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	46.1	43.1	64.7	
154	62.1	60.5	90.7	

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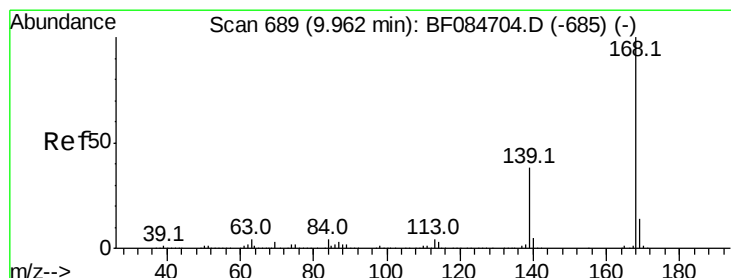
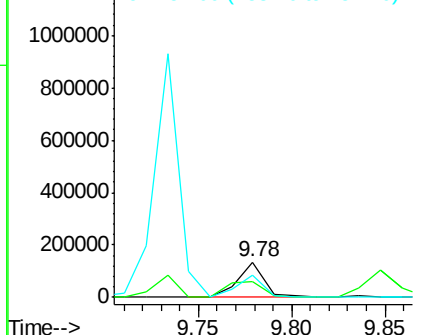
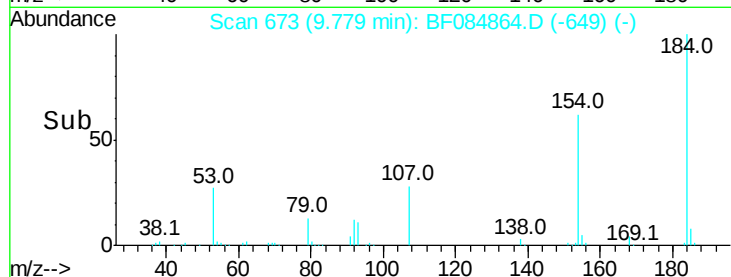


Abundance

Ion 184.00 (183.70 to 184.70): E

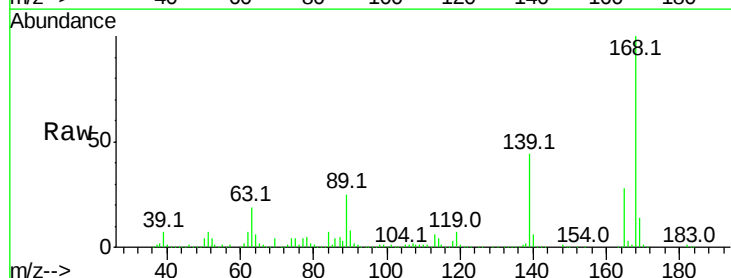
Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54
 Dibenzofuran
 Concen: 46.18 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	43.8	30.5	45.7	
169	14.0	10.4	15.6	

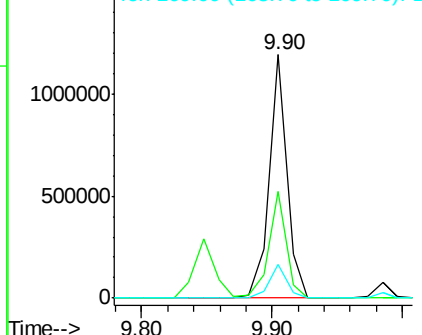
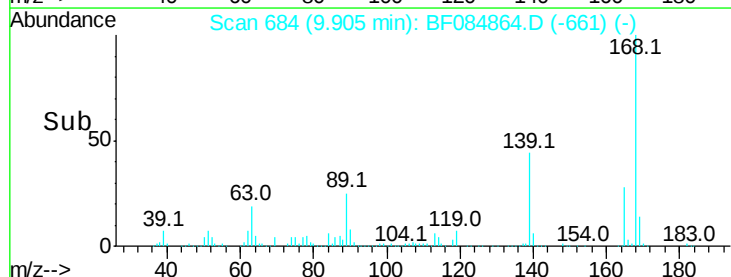


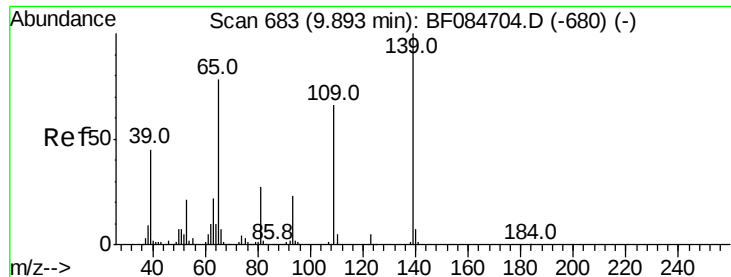
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 75.06 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

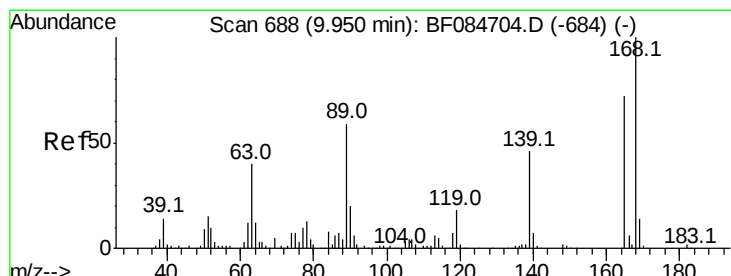
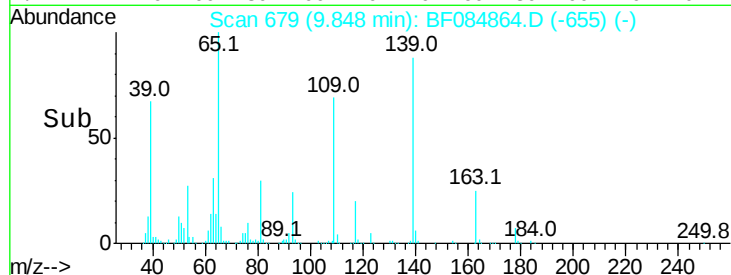
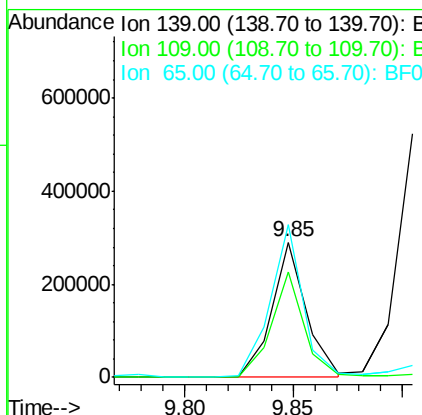
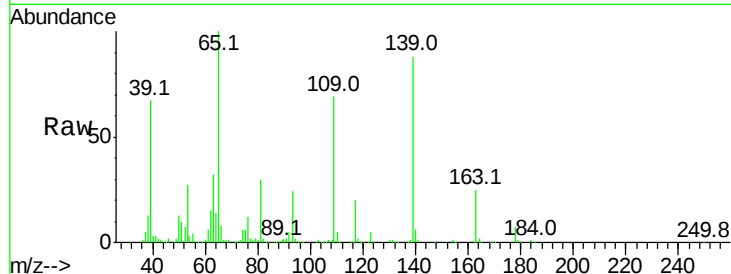
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	139	Resp:	322151
Ion Ratio	Lower	Upper	
139	100		
109	77.7	58.5	98.5
65	113.1	57.6	97.6#

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#56

2,4-Dinitrotoluene

Concen: 46.88 ng

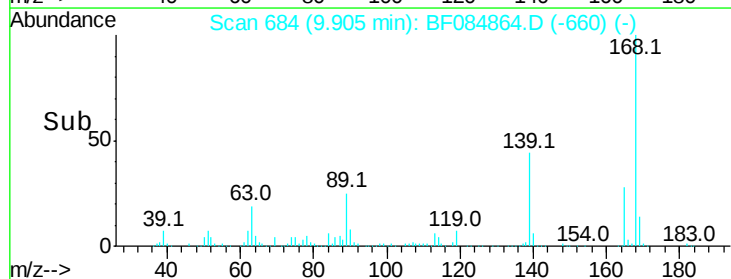
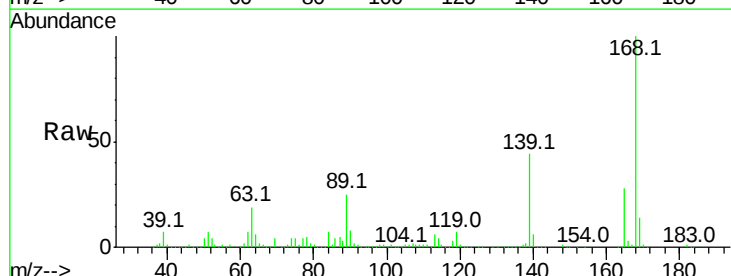
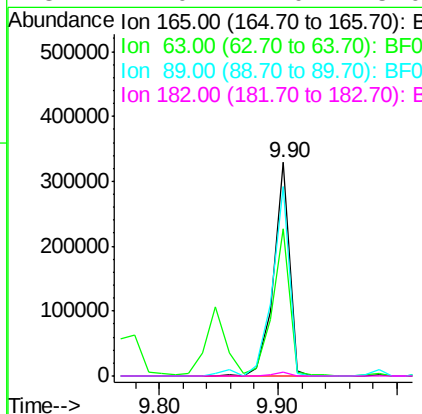
RT: 9.90 min Scan# 684

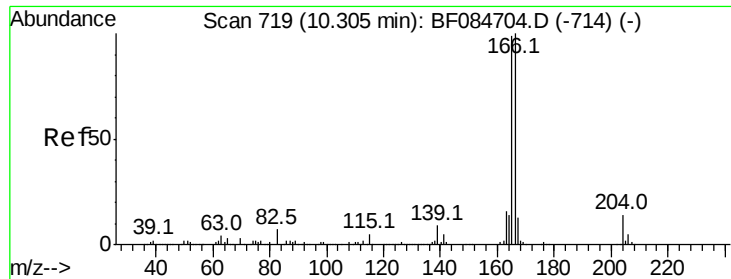
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	165	Resp:	310763
Ion Ratio	Lower	Upper	
165	100		
63	69.0	36.7	55.1#
89	89.0	61.9	92.9
182	2.0	2.0	3.0





#57

Fluorene

Concen: 45.54 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

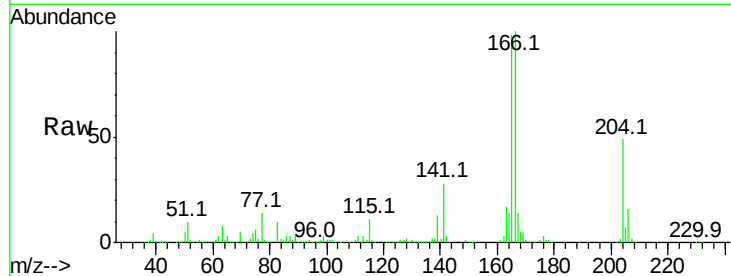
ClientSampleId :

SUP-B017(25-27)MSD

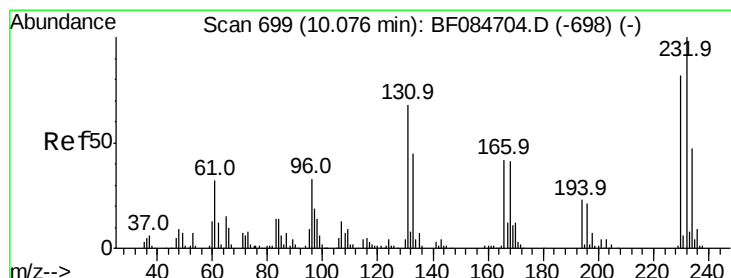
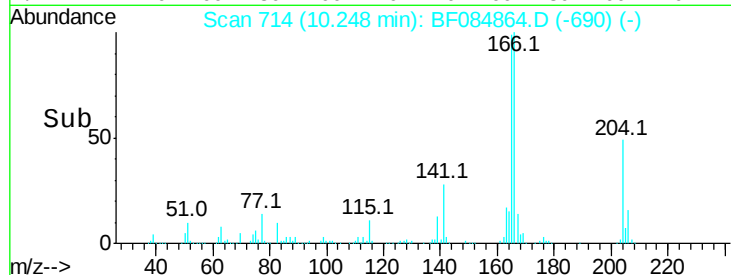
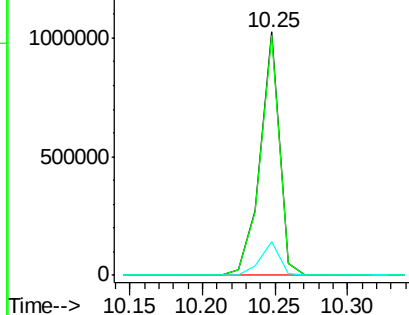
Tot Ion:	166	Resp:	942834
Ion Ratio	Lower	Upper	
166	100		
165	98.5	79.1	118.7
167	13.9	10.4	15.6

Manual Integrations
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.22 ng

RT: 10.03 min Scan# 695

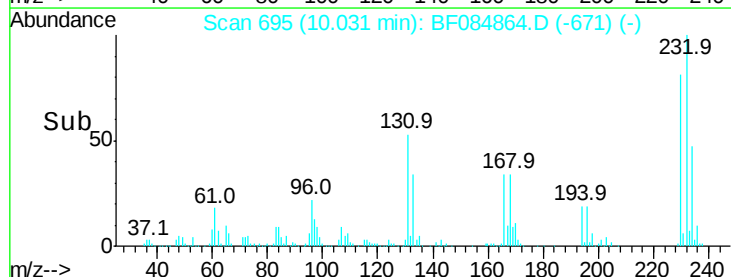
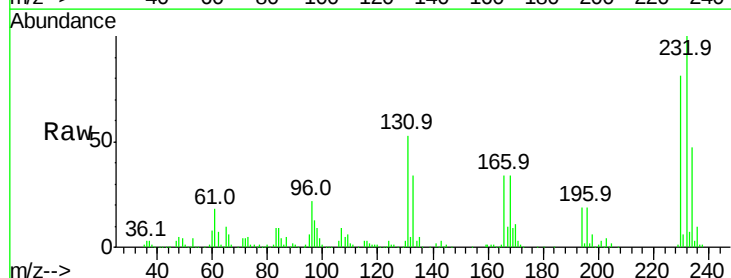
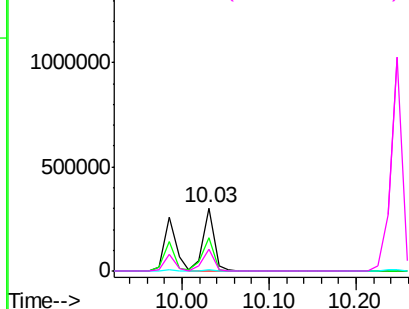
Delta R.T. -0.02 min

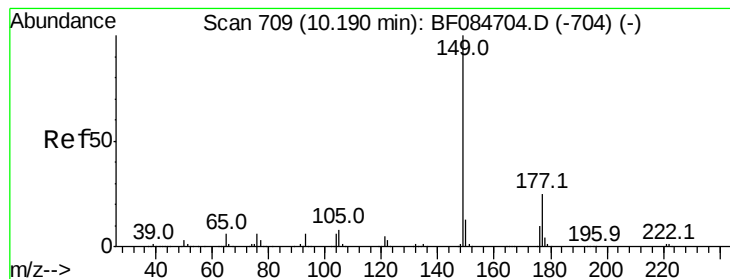
Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	232	Resp:	268032
Ion Ratio	Lower	Upper	
232	100		
131	54.0	47.0	70.6
130	2.7	2.0	3.0
166	33.6	30.5	45.7

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 46.39 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:149 Resp: 1077713

Ion Ratio Lower Upper

149 100

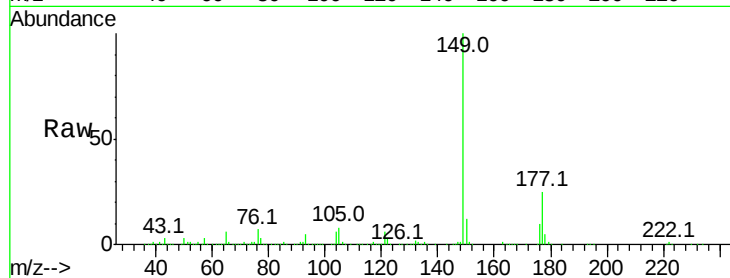
177 24.7 17.3 25.9

150 11.9 9.8 14.8

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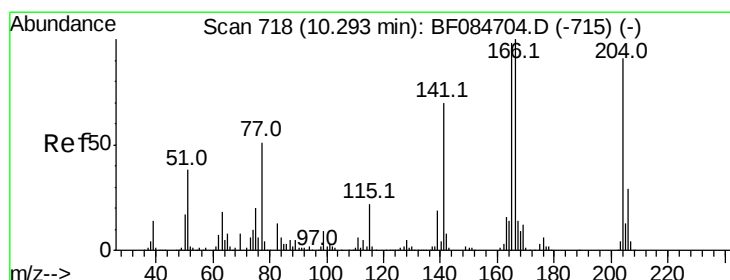
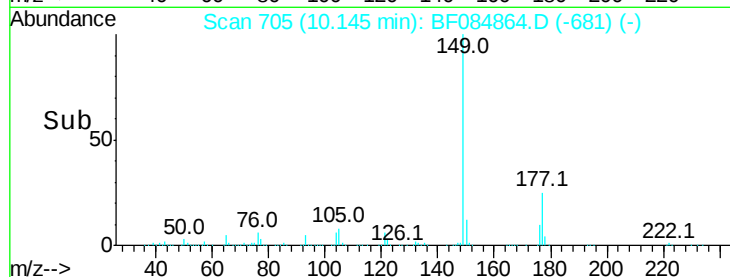
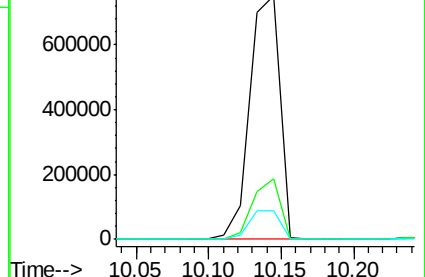
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 57.18 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

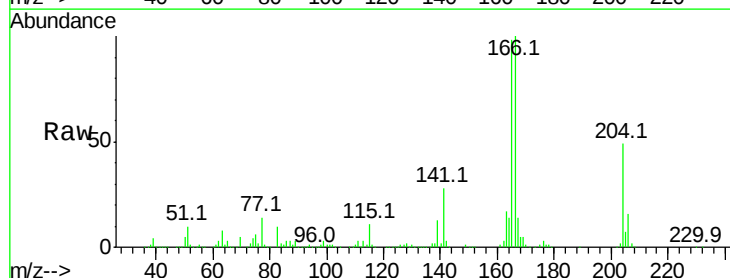
Tgt Ion:204 Resp: 480210

Ion Ratio Lower Upper

204 100

206 33.1 25.7 38.5

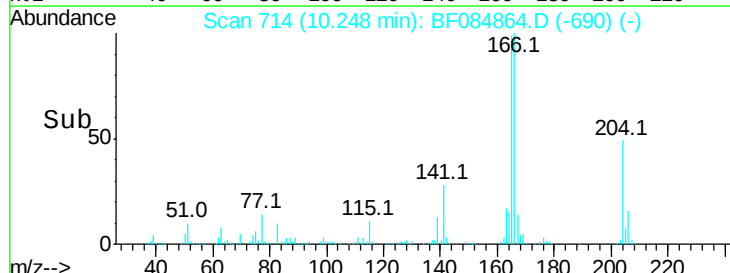
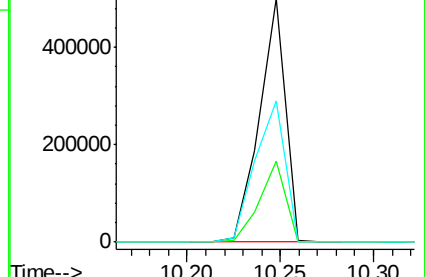
141 57.8 55.1 82.7

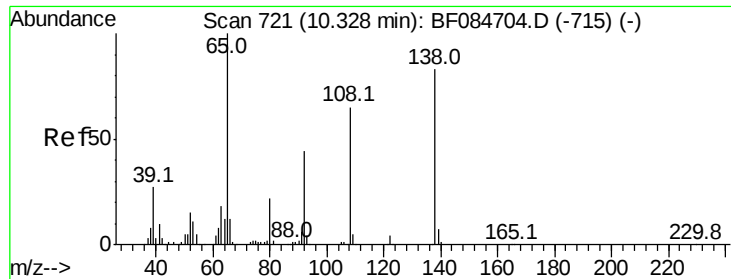


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





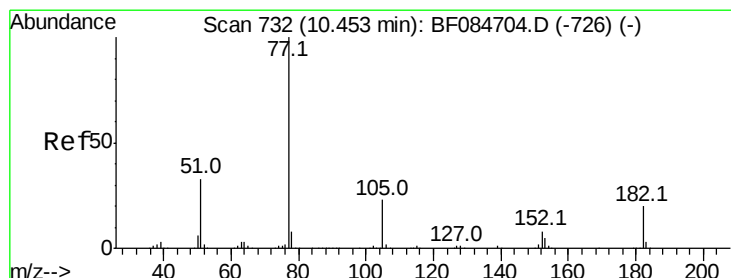
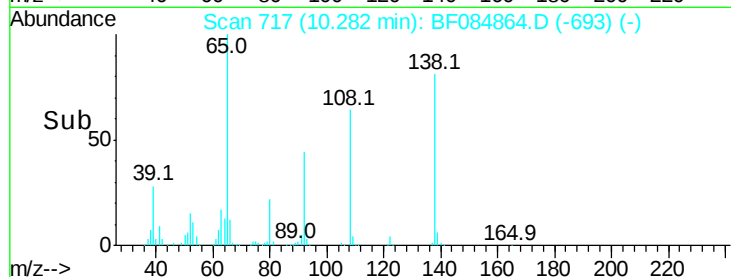
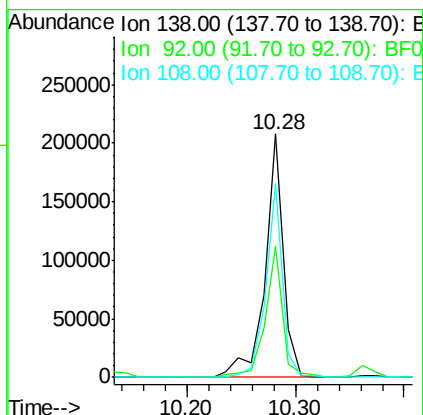
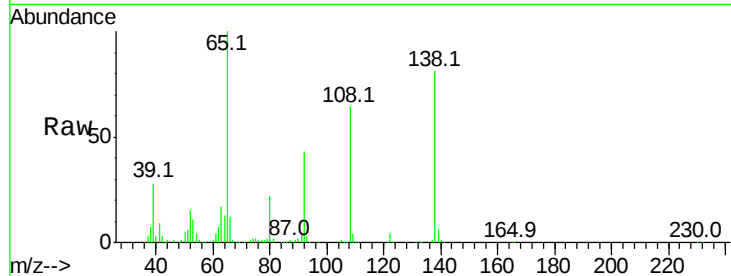
#61
4-Nitroaniline
Concen: 42.89 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.9	32.6	72.6
108	79.4	68.6	108.6

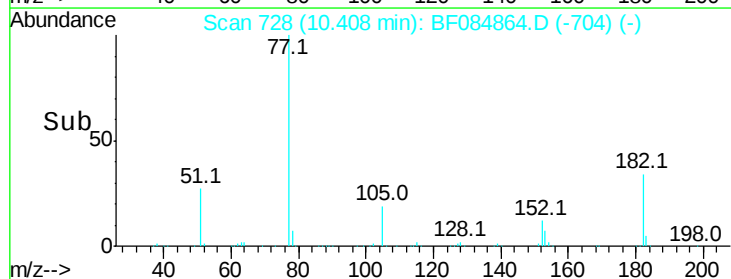
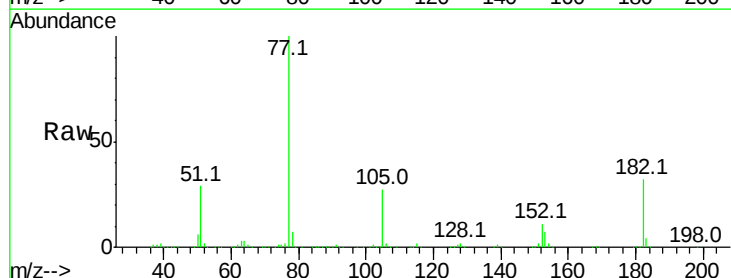
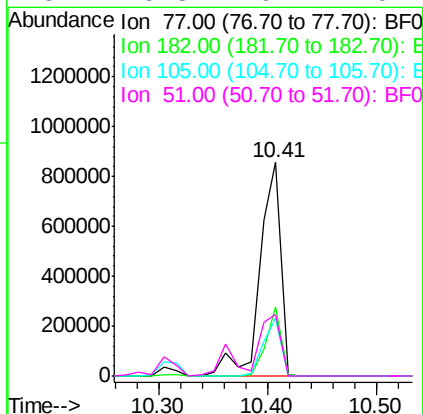
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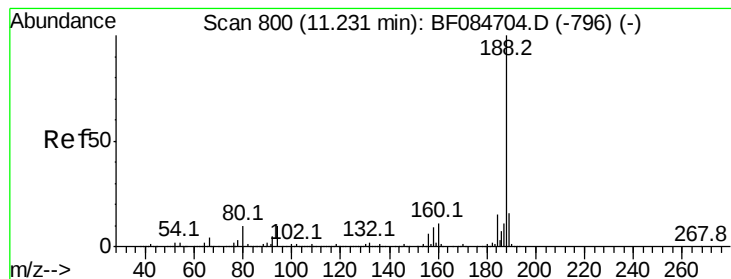
UMANGI
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#62
Azobenzene
Concen: 51.74 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
77	100		
182	32.3	8.3	48.3
105	27.1	4.6	44.6
51	28.8	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

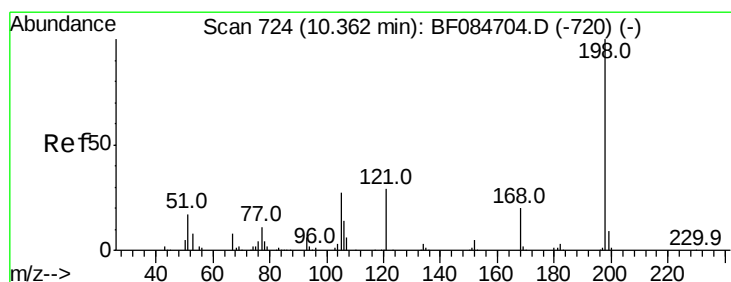
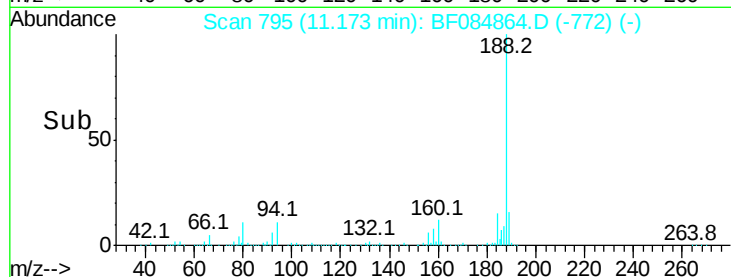
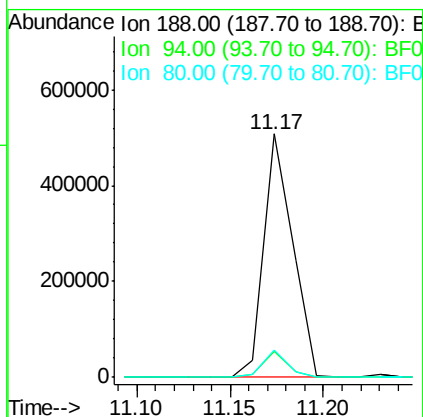
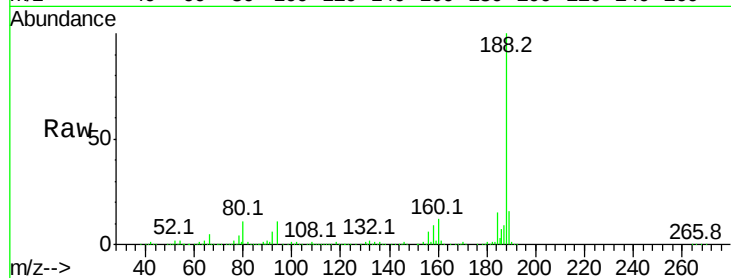
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	188	Resp:	543375
Ion Ratio	Lower	Upper	
188	100		
94	10.8	9.0	13.4
80	11.4	9.6	14.4

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#64

4,6-Dinitro-2-methylphenol

Concen: 52.03 ng

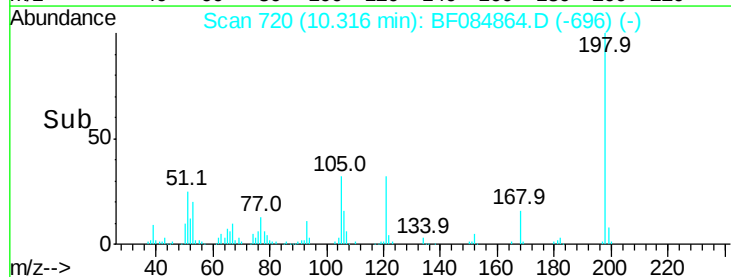
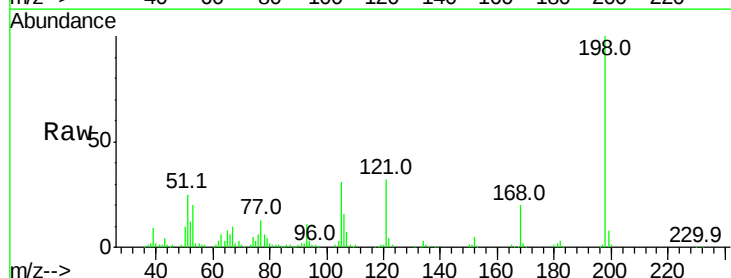
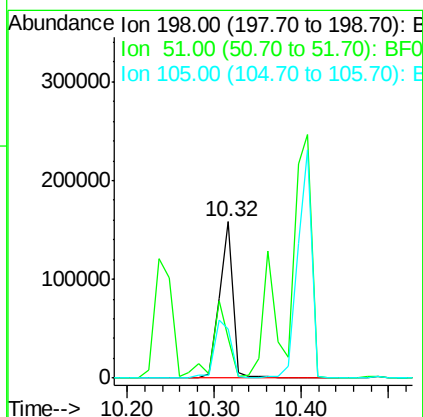
RT: 10.32 min Scan# 720

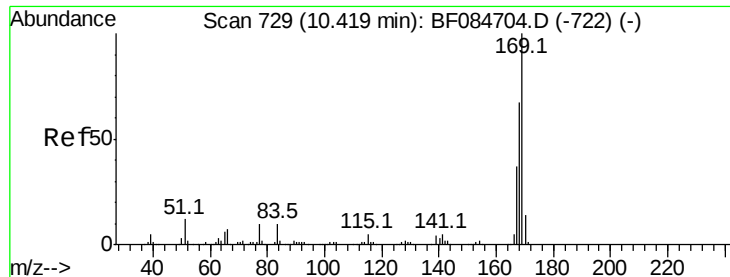
Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	198	Resp:	174478
Ion Ratio	Lower	Upper	
198	100		
51	25.4	18.9	58.9
105	31.3	26.4	66.4





#65

n-Nitrosodiphenylamine

Concen: 50.77 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

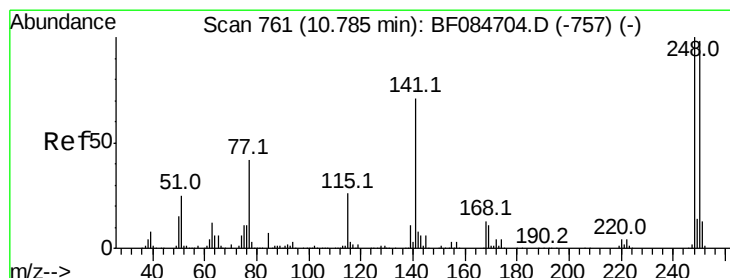
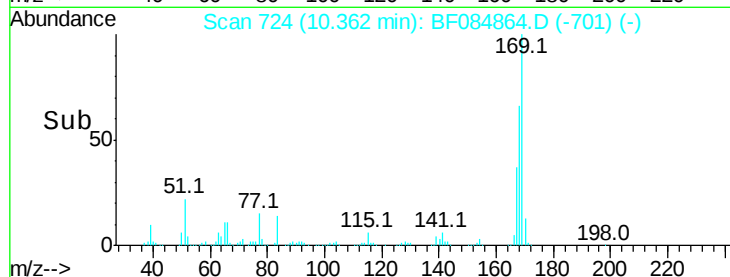
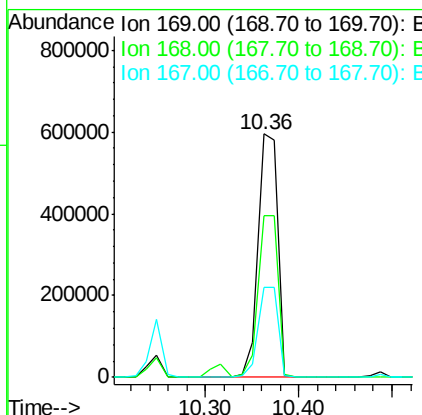
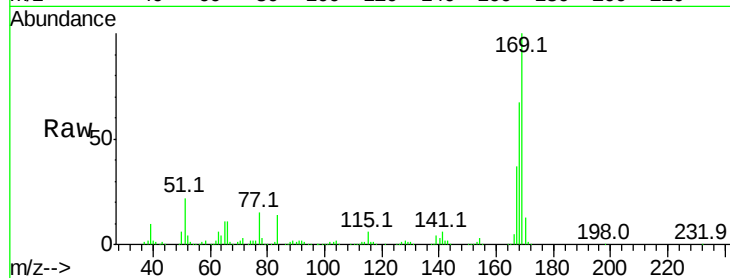
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	169	Resp:	875928
Ion Ratio	Lower	Upper	
169	100		
168	66.6	55.1	82.7
167	37.1	30.0	45.0

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#66

4-Bromophenyl-phenylether

Concen: 46.09 ng

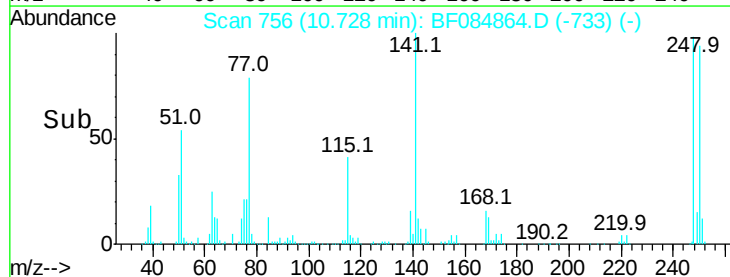
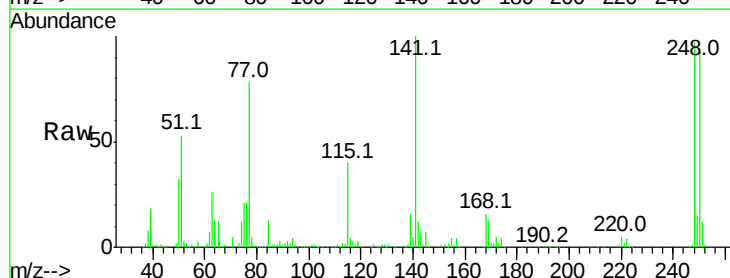
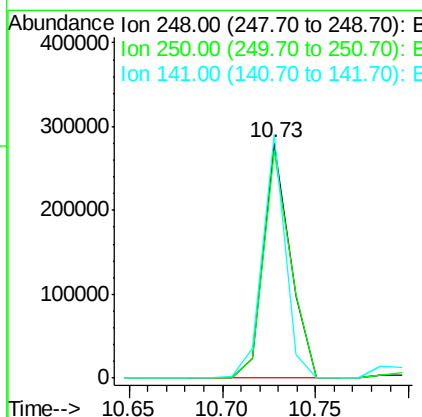
RT: 10.73 min Scan# 756

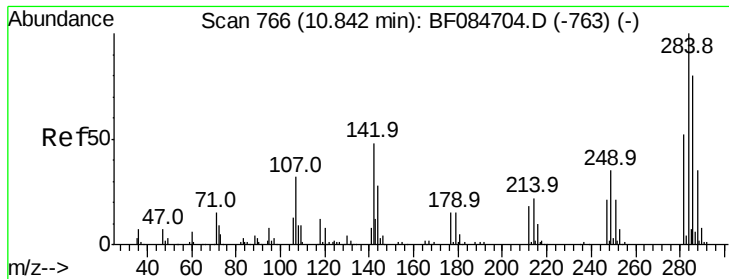
Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	248	Resp:	276612
Ion Ratio	Lower	Upper	
248	100		
250	96.5	78.4	117.6
141	103.6	44.0	66.0#





#67

Hexachlorobenzene

Concen: 53.19 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

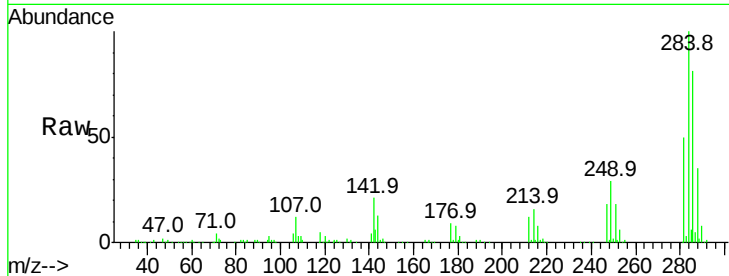
ClientSampleId :

SUP-B017(25-27)MSD

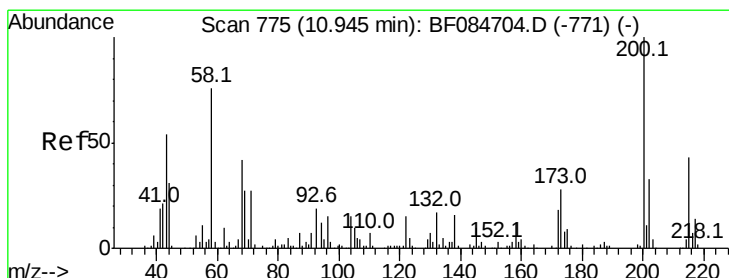
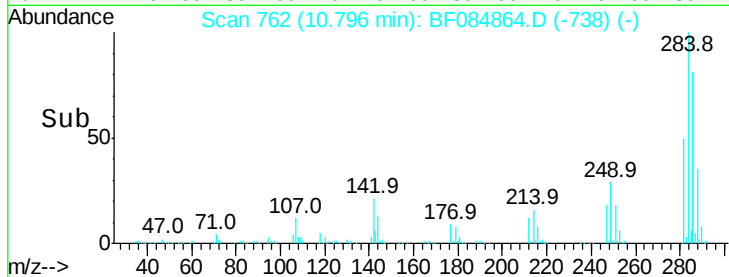
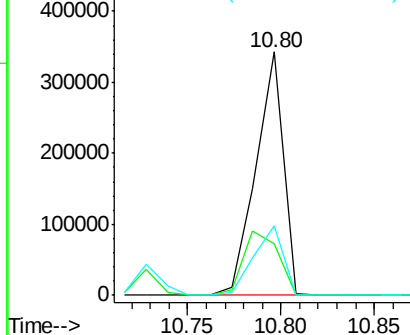
Tot Ion:	284	Resp:	347812
Ion Ratio	Lower	Upper	
284	100		
142	21.3	22.2	33.4#
249	28.6	24.6	37.0

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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: 47.94 ng

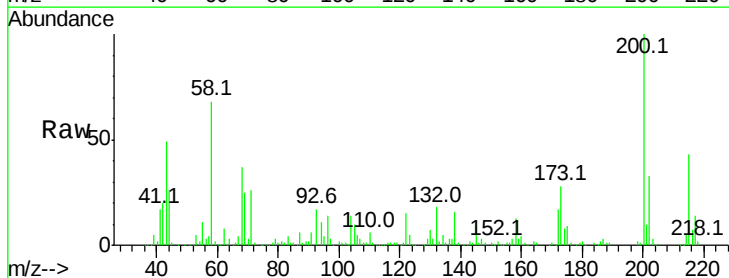
RT: 10.90 min Scan# 771

Delta R.T. -0.02 min

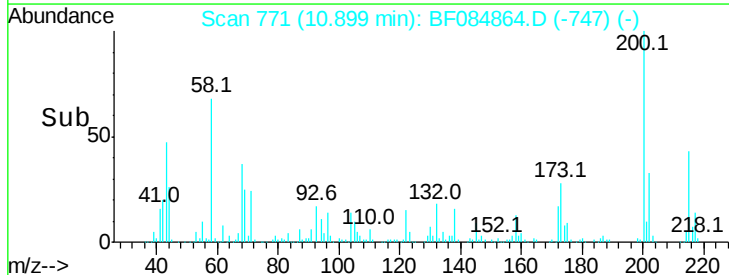
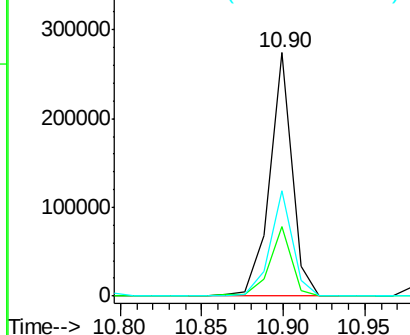
Lab File: BF084864.D

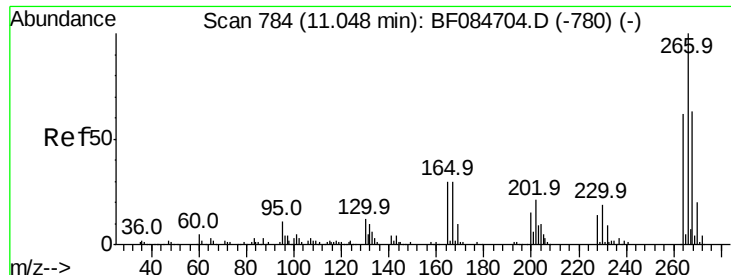
Acq: 5 Feb 2016 17:19

Tgt Ion:	200	Resp:	261221
Ion Ratio	Lower	Upper	
200	100		
173	28.4	9.5	49.5
215	43.3	23.8	63.8



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





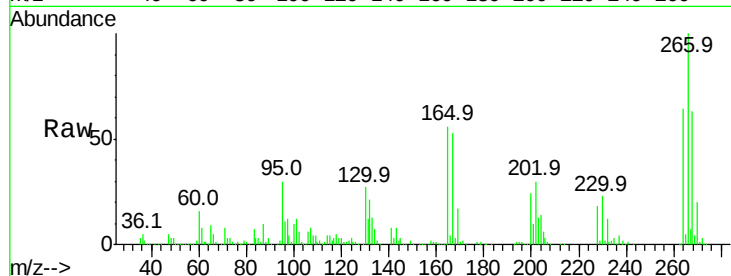
#69
 Pentachlorophenol
 Concen: 95.09 ng
 RT: 10.99 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

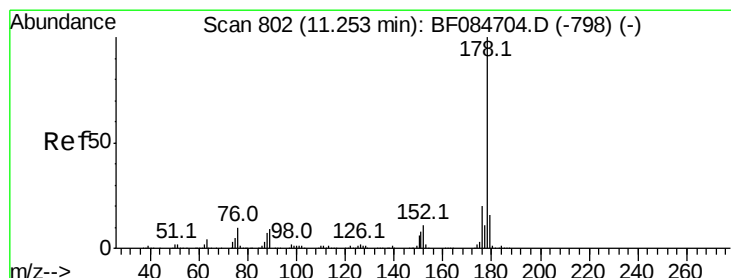
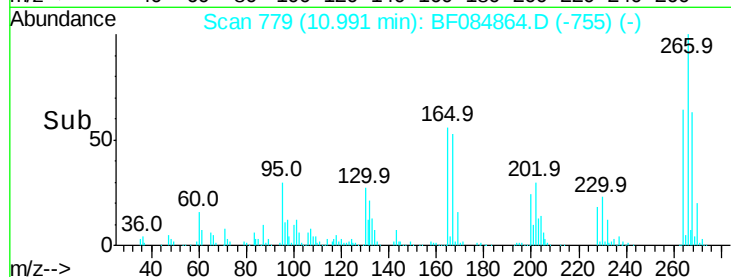
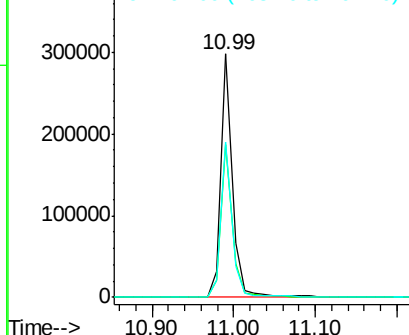
Tot Ion	Ratio	Resp	Lower	Upper
266	100	292246		
268	63.0	52.4	78.6	
264	63.6	50.2	75.2	

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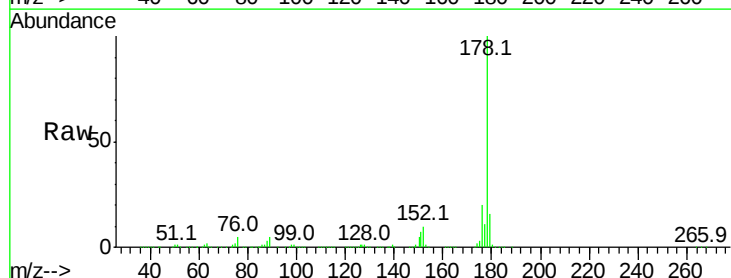


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

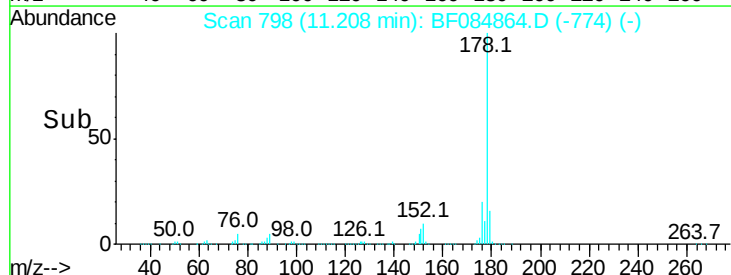
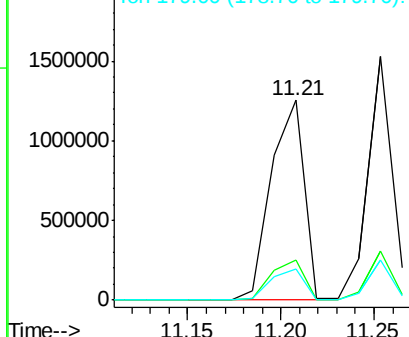


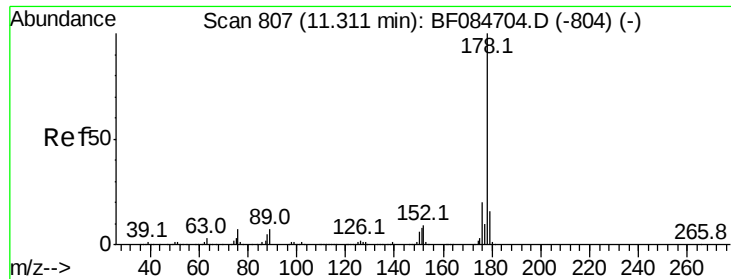
#70
 Phenanthrene
 Concen: 51.17 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1542193		
176	19.8	15.3	22.9	
179	15.5	12.0	18.0	



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





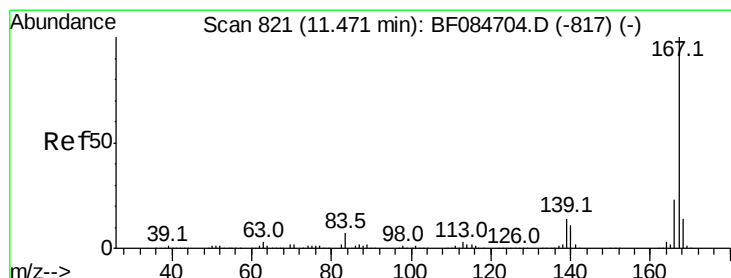
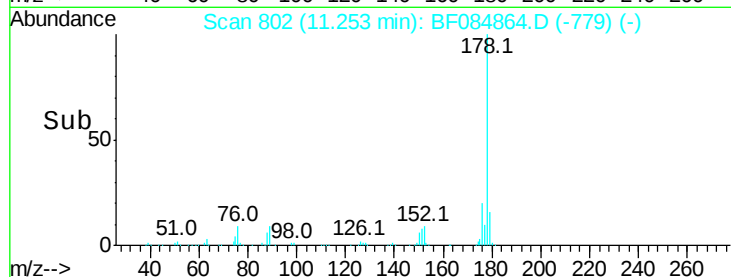
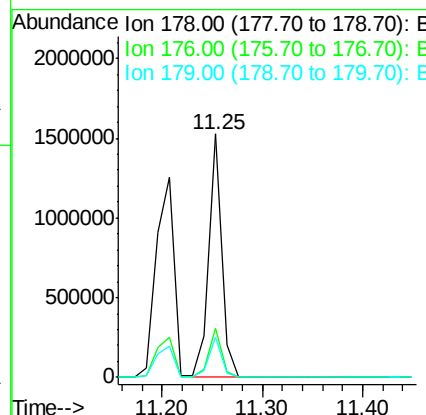
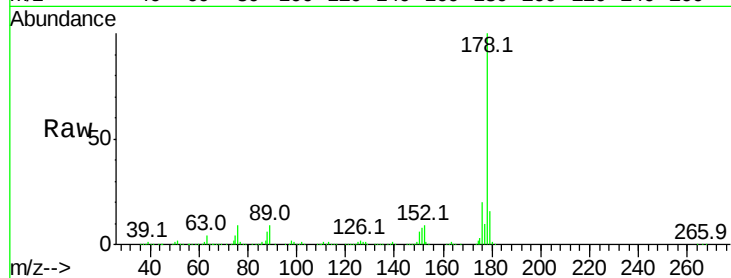
#71
 Anthracene
 Concen: 45.16 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion:178 Resp: 1371425
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.0
 179 16.4 12.5 18.7

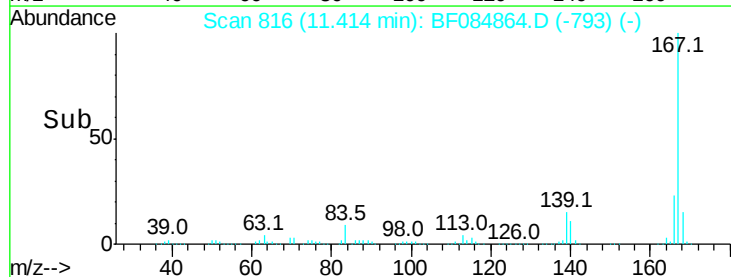
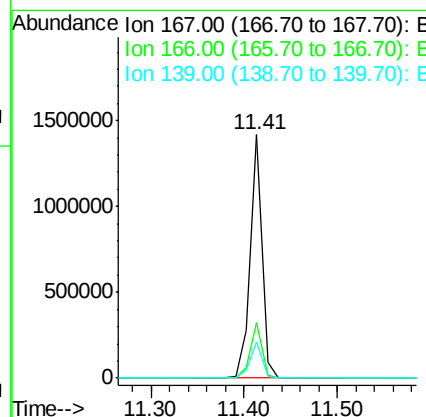
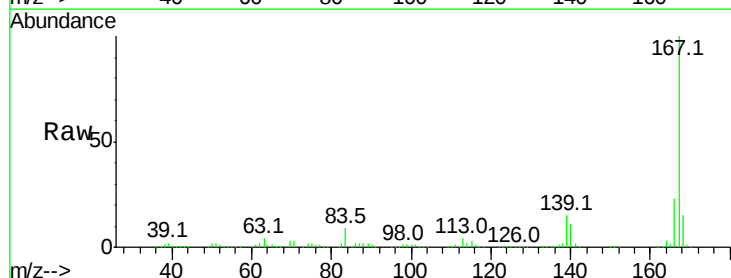
Manual Integrations
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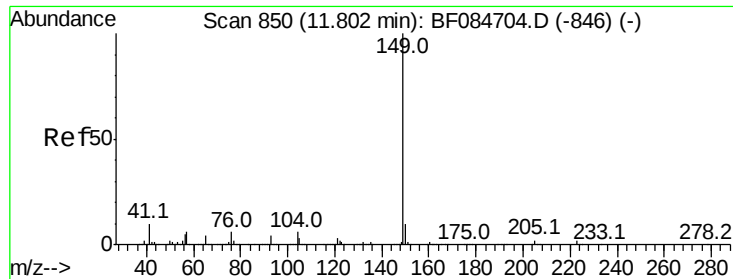
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#72
 Carbazole
 Concen: 46.83 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion:167 Resp: 1240143
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 14.9 11.8 17.8





#73

Di-n-butylphthalate

Concen: 50.56 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:149 Resp: 1704419

Ion Ratio Lower Upper

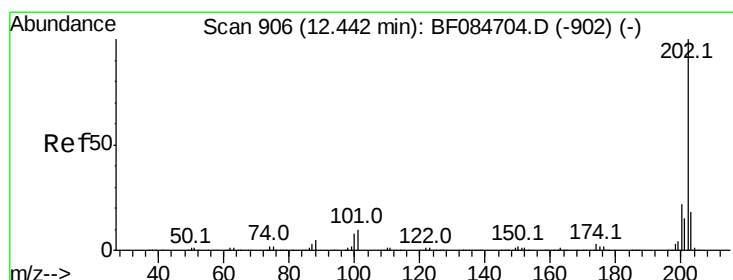
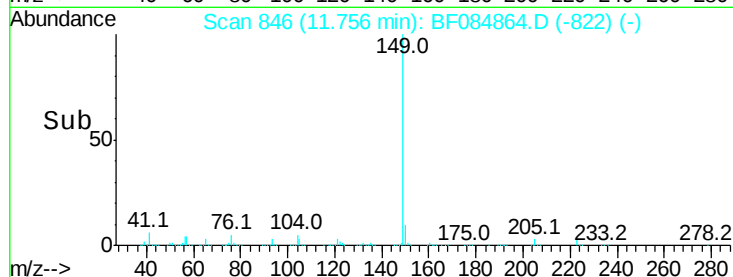
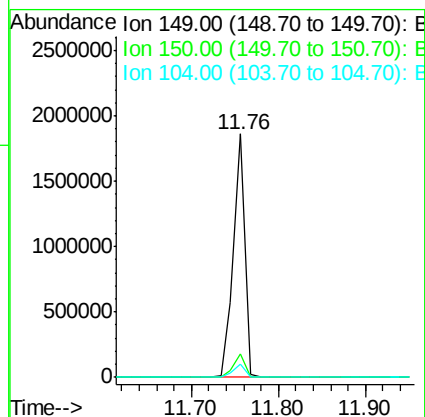
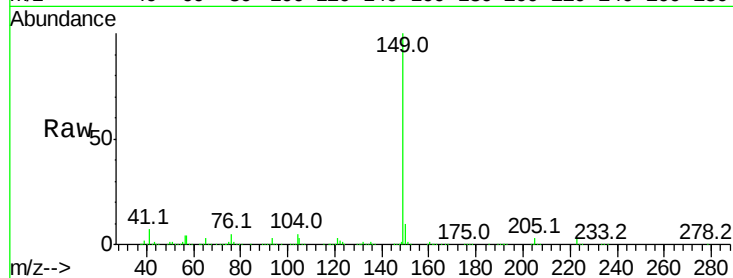
149 100

150 9.8 7.1 10.7

104 5.2 3.2 4.8#

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#74

Fluoranthene

Concen: 48.49 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

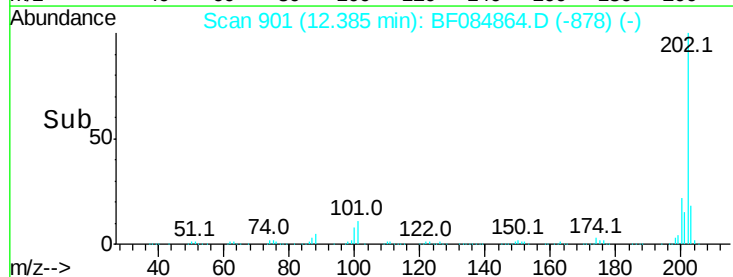
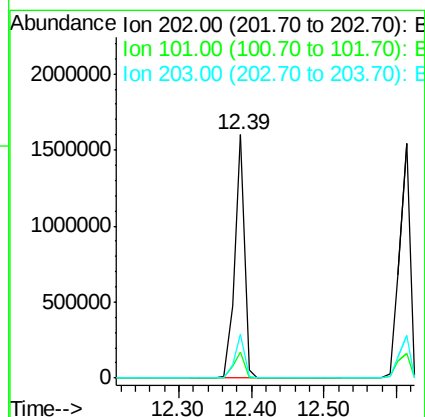
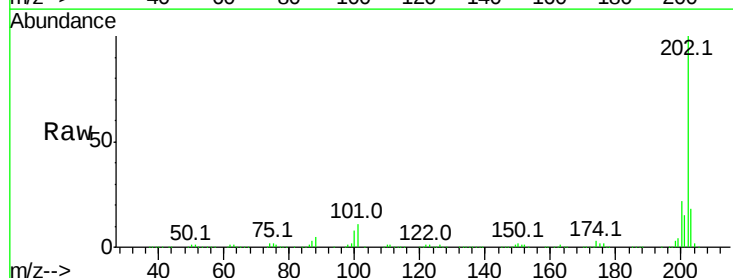
Tgt Ion:202 Resp: 1478992

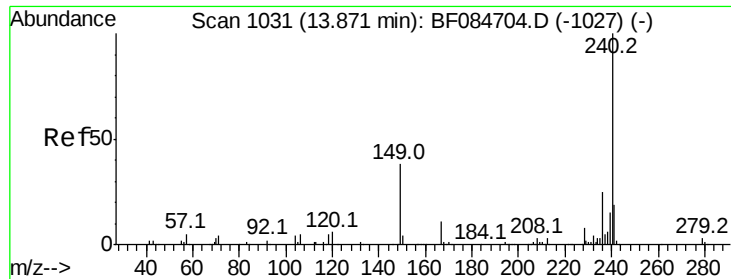
Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.8

203 18.2 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

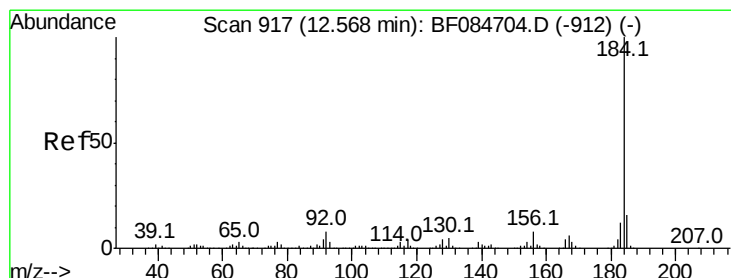
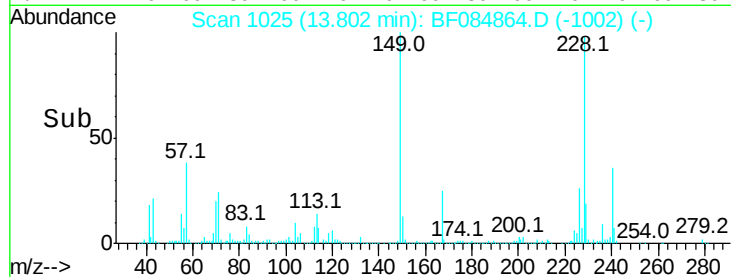
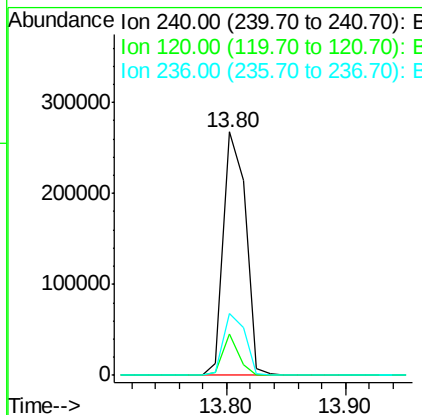
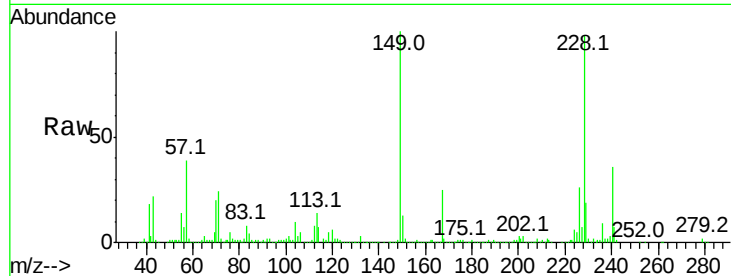
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	16.9	9.5	14.3#	
236	25.5	20.6	31.0	

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#76

Benzidine

Concen: 62.29 ng

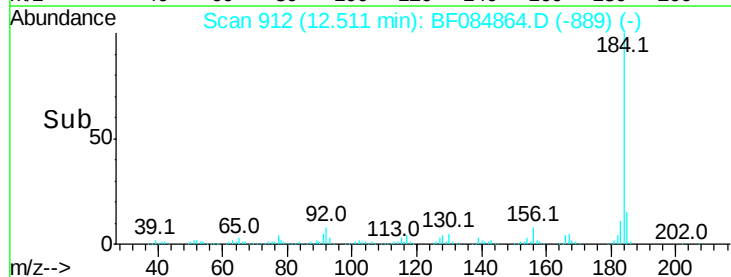
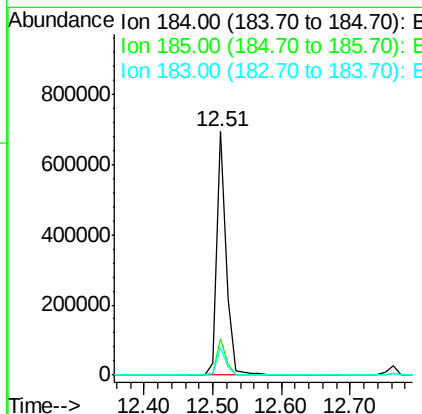
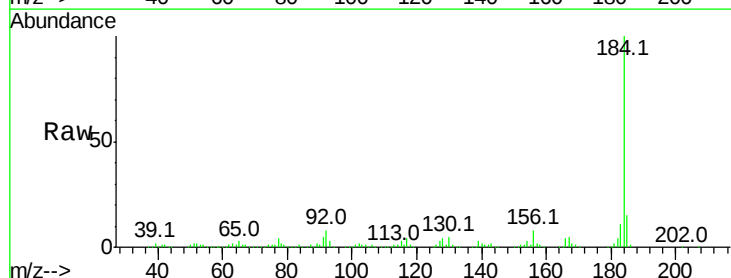
RT: 12.51 min Scan# 912

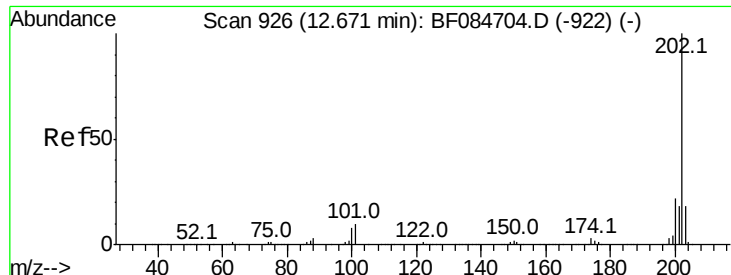
Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.8	12.2	18.2	
183	11.4	9.8	14.8	





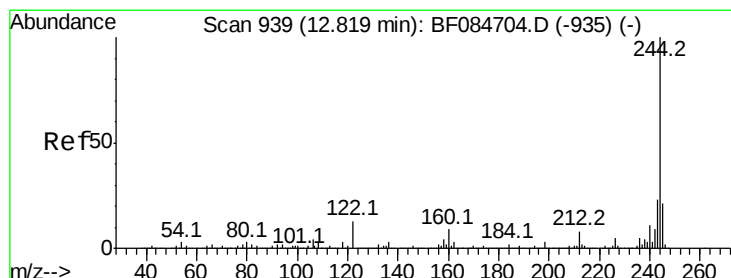
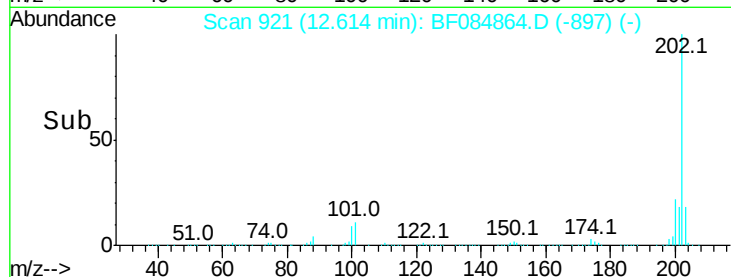
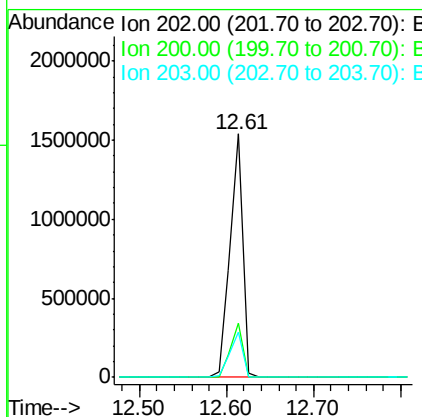
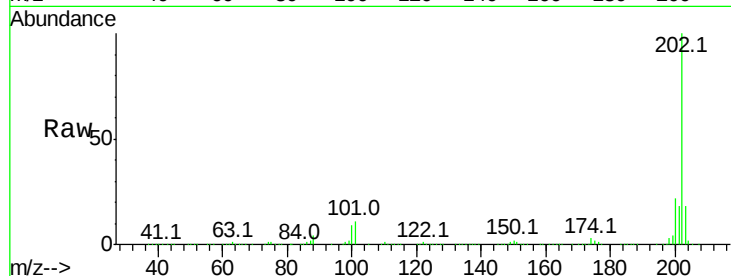
#77
Pvrene
Concen: 58.77 ng
RT: 12.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.2	25.8
203	18.4	14.3	21.5

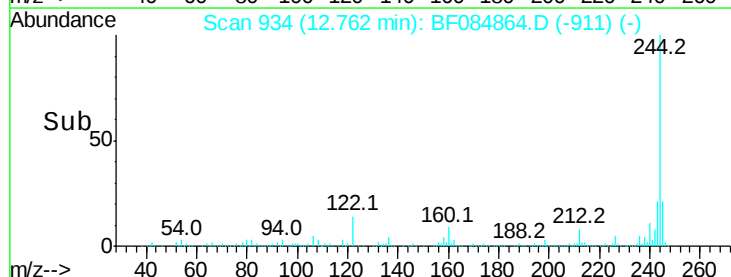
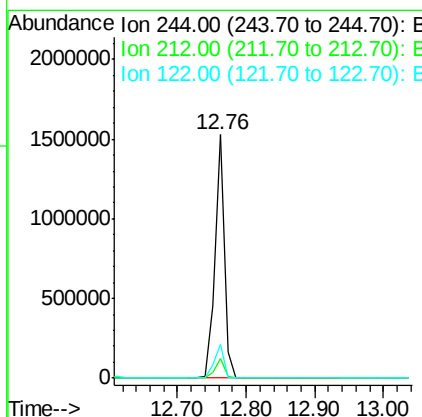
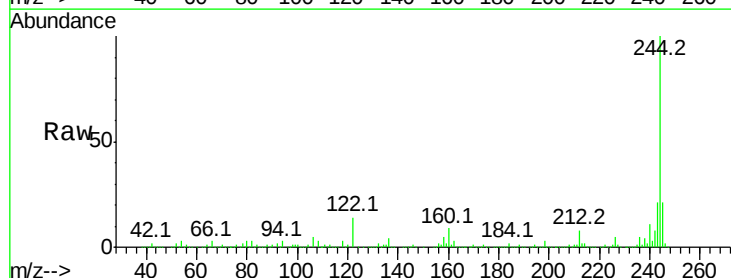
Manual Integrations
APPROVED

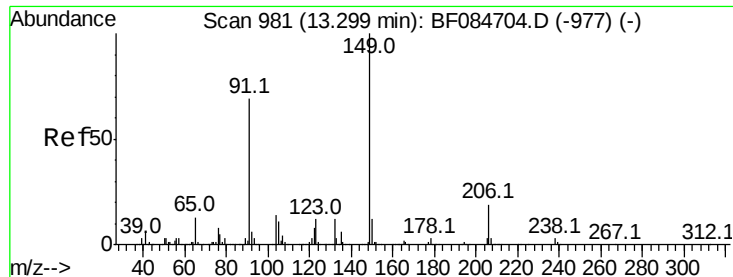
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#78
Terphenyl-d14
Concen: 96.96 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.7	8.5
122	13.9	7.4	11.0#





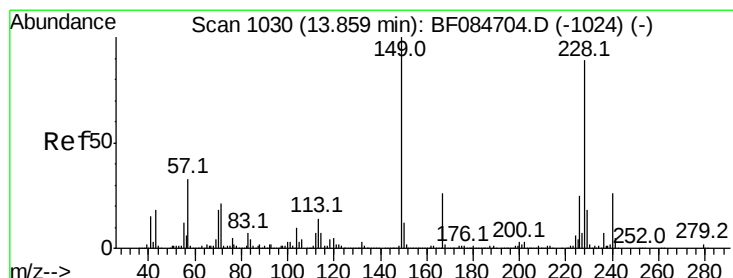
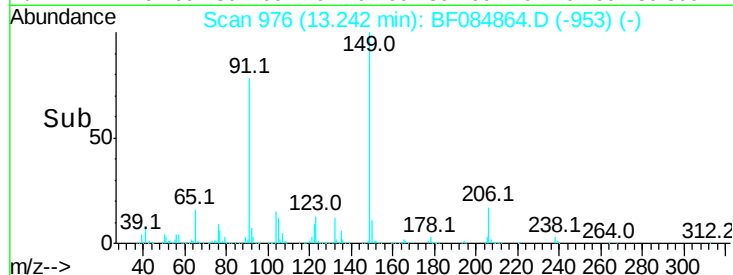
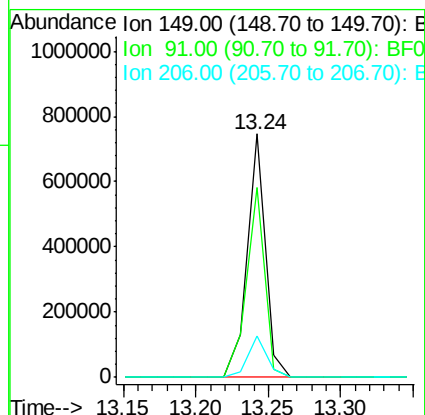
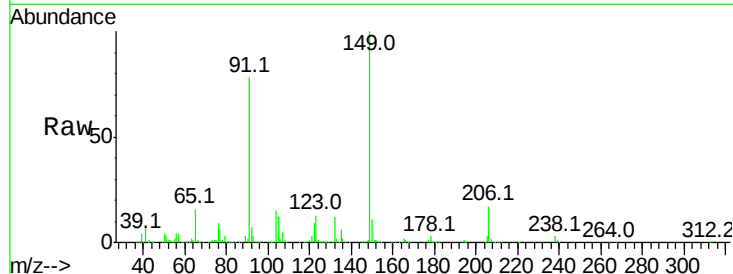
#79
Butylbenzylphthalate
Concen: 53.93 ng
RT: 13.24 min Scan# 976
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.9	57.6	86.4
206	17.2	13.2	19.8

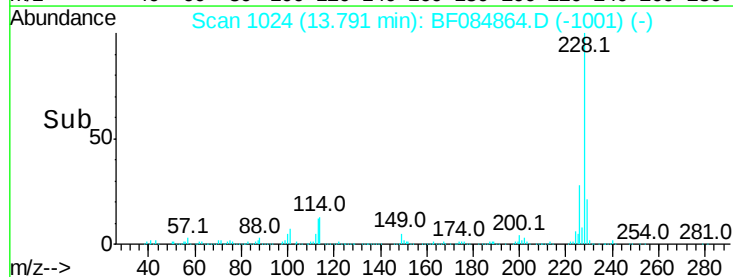
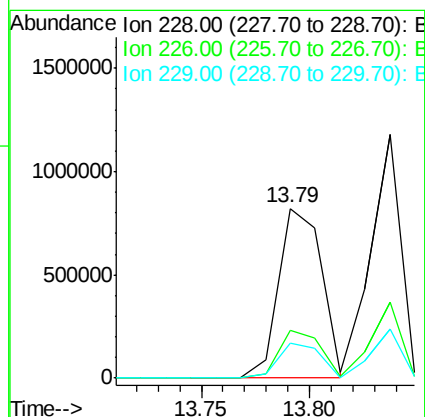
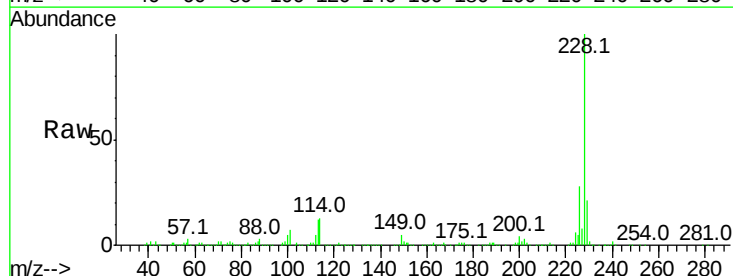
Manual Integrations
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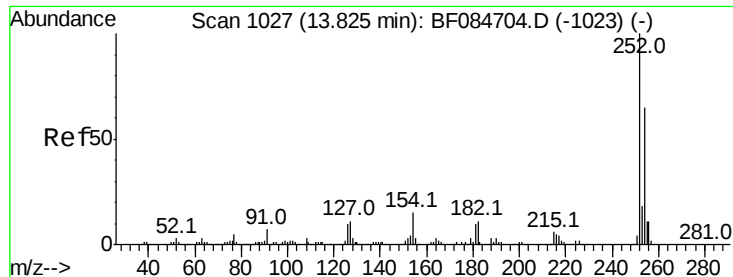
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#80
Benzo(a)anthracene
Concen: 52.82 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.6
229	20.6	15.8	23.8





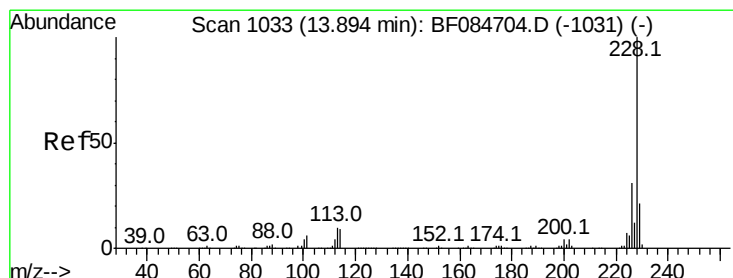
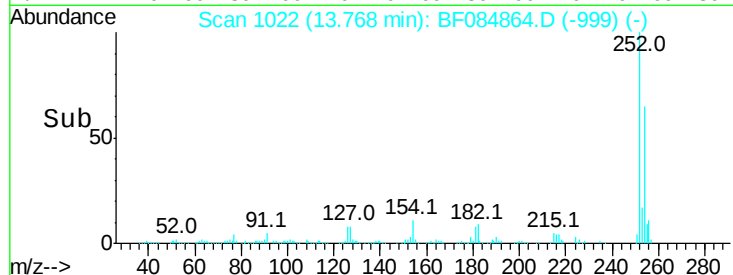
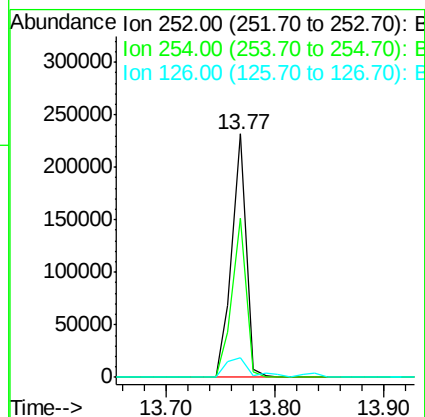
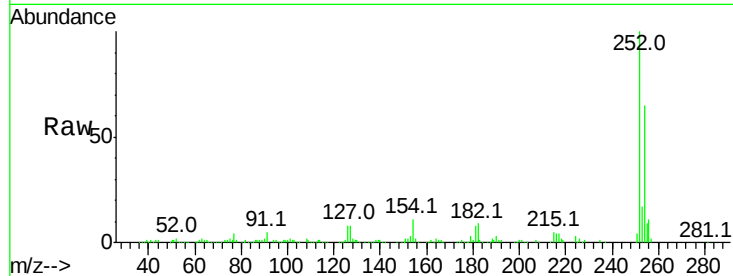
#81
 3,3'-Dichlorobenzidine
 Concen: 28.06 ng
 RT: 13.77 min Scan# 1022
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.3	53.5	80.3
126	7.9	4.9	7.3

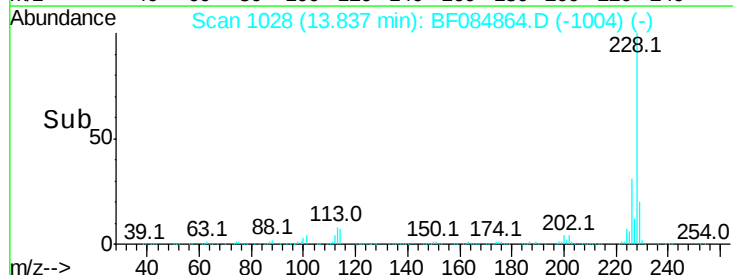
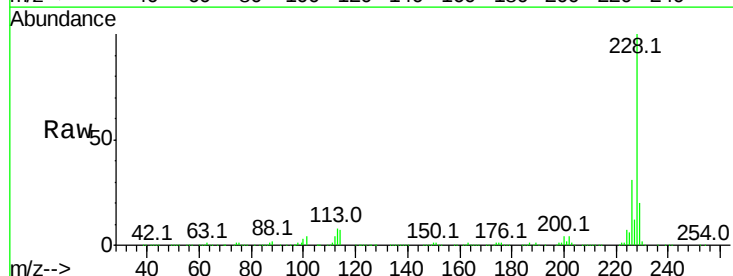
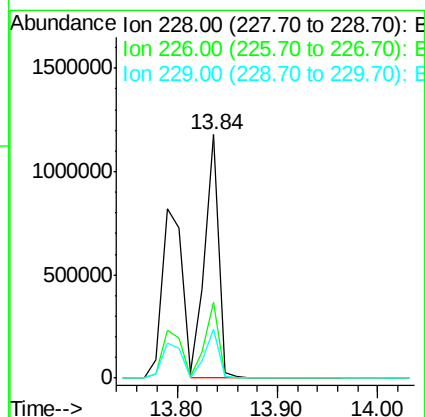
Manual Integrations
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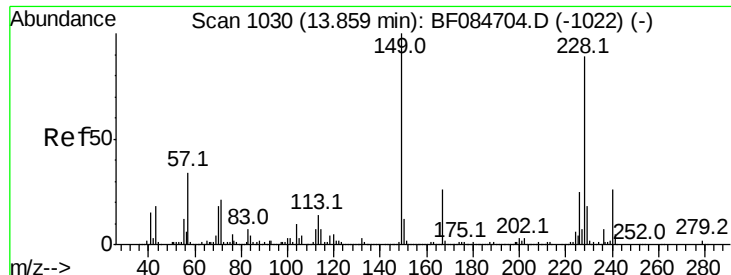
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#82
 Chrysene
 Concen: 54.28 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.3	24.3	36.5
229	20.1	16.1	24.1





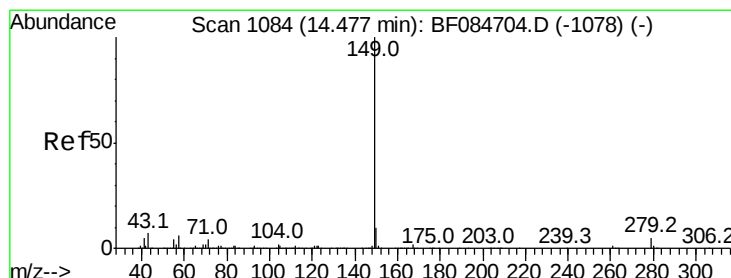
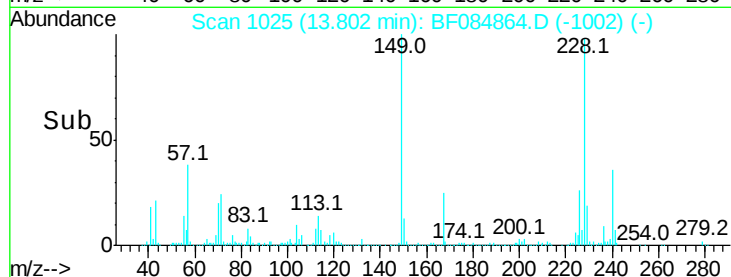
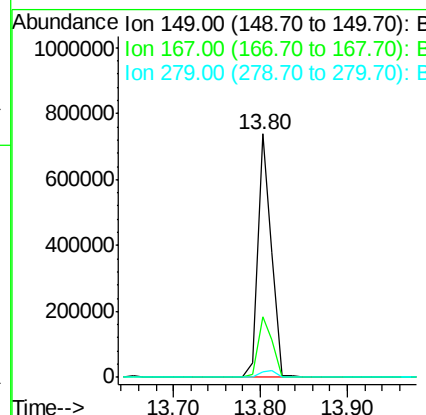
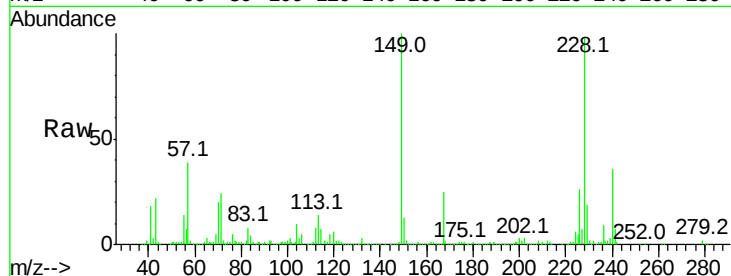
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.66 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	24.7	19.7	29.5	
279	2.0	1.8	2.6	

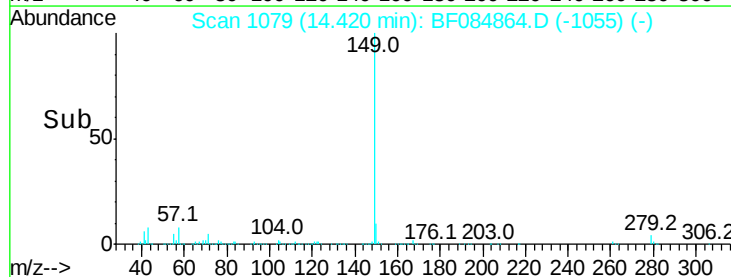
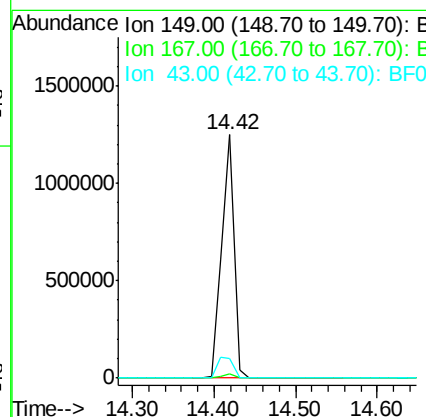
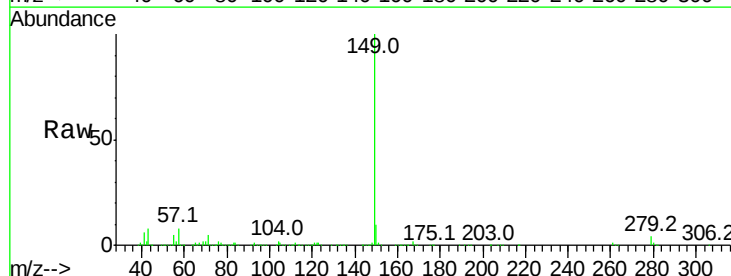
Manual Integrations
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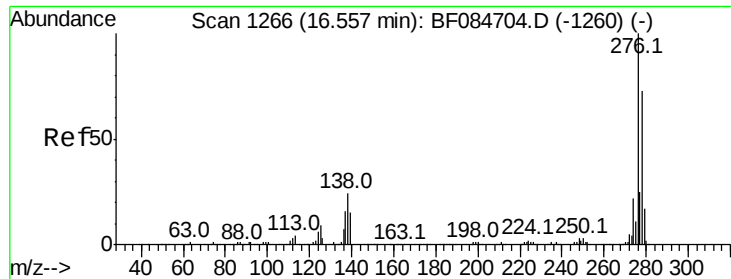
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#84
 Di-n-octyl phthalate
 Concen: 53.13 ng
 RT: 14.42 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.2	1.8	
43	11.0	5.6	8.4#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 57.82 ng

RT: 16.45 min Scan# 1257

Delta R.T. -0.05 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Instrument :

BNA_F

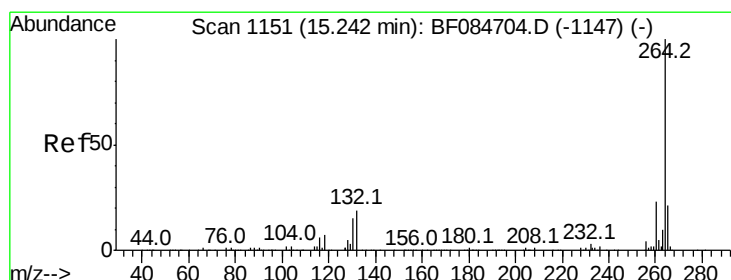
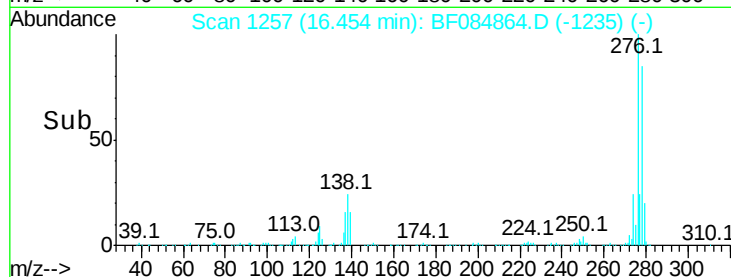
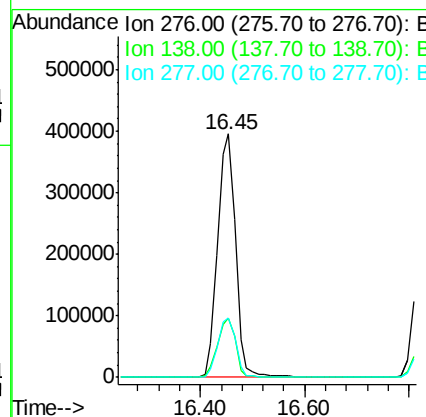
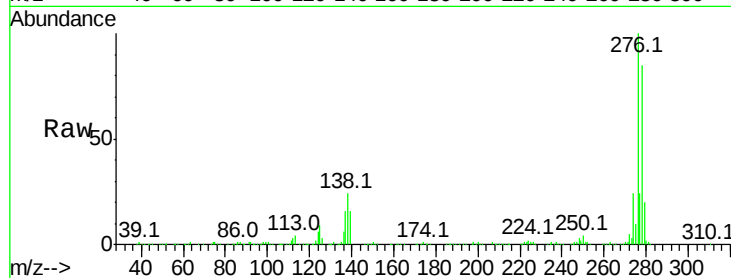
ClientSampleId :

SUP-B017(25-27)MSD

Tot Ion:	276	Resp:	952189
Ion Ratio		Lower	Upper
276	100		
138	24.5	20.6	30.8
277	24.8	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

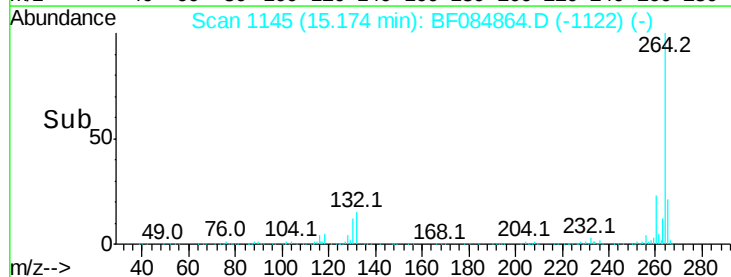
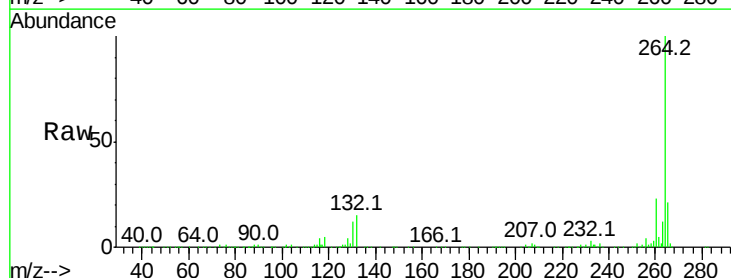
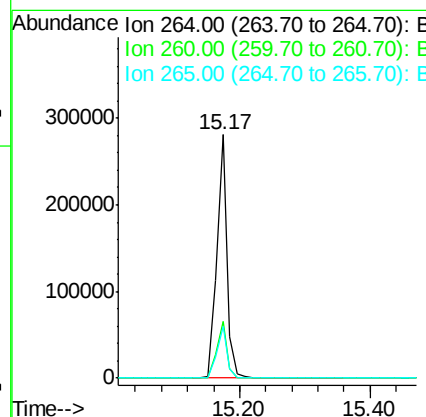
RT: 15.17 min Scan# 1145

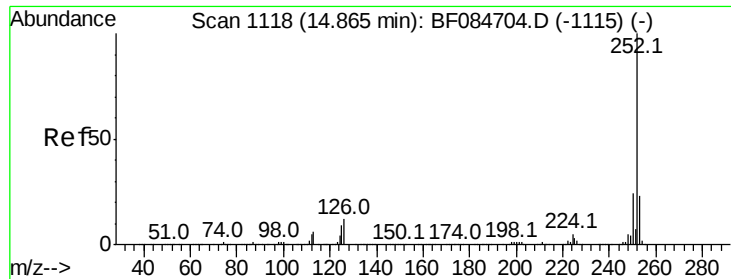
Delta R.T. -0.03 min

Lab File: BF084864.D

Acq: 5 Feb 2016 17:19

Tgt Ion:	264	Resp:	313349
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.0	17.8	26.6





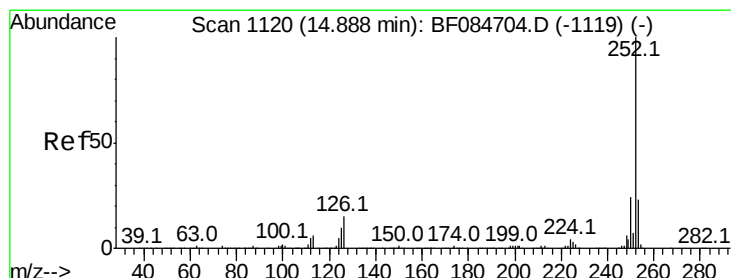
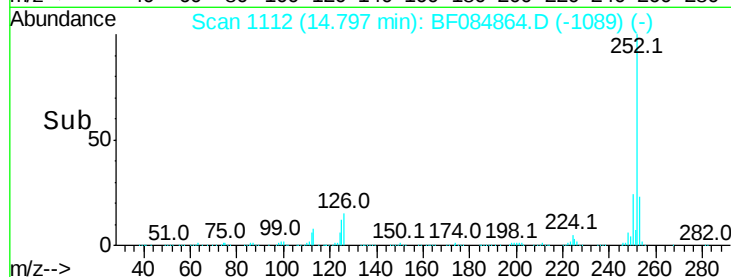
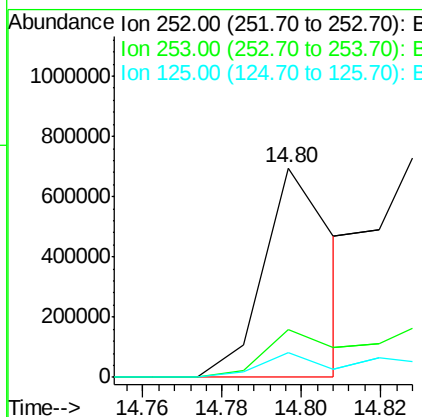
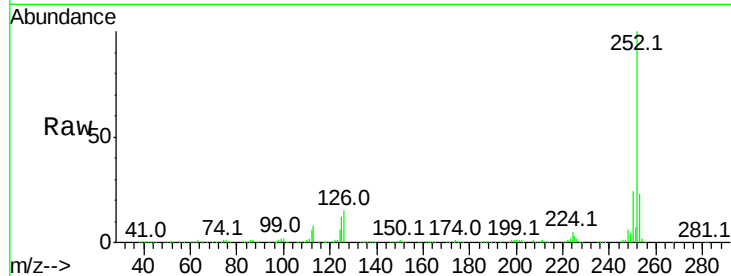
#87
Benzo(b)fluoranthene
Concen: 41.33 ng m
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	11.5	6.5	9.7#

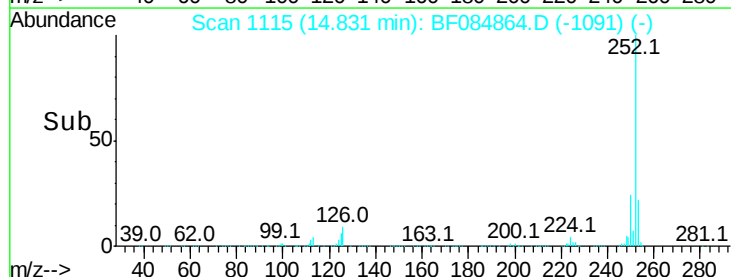
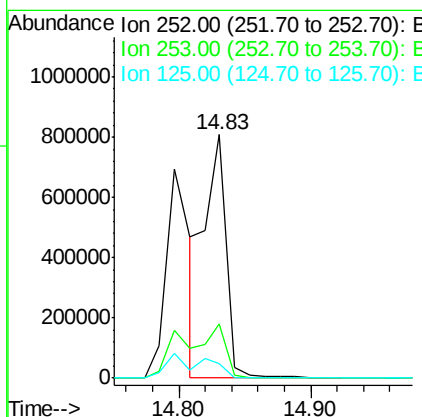
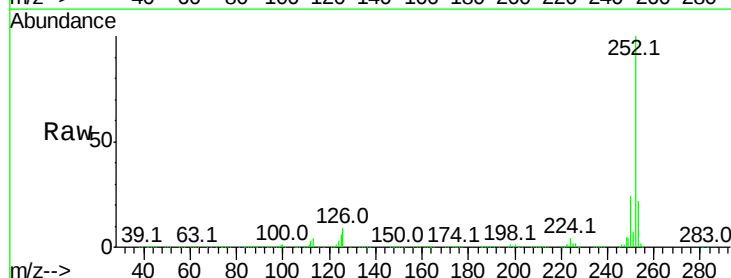
Manual Integrations
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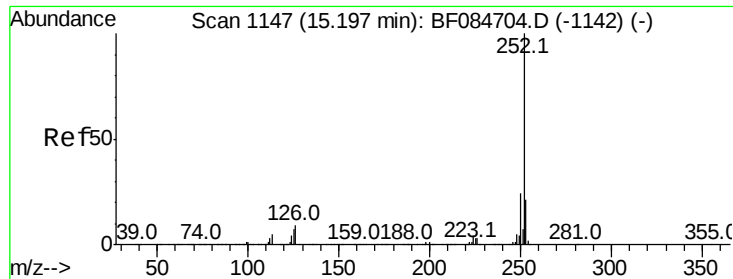
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#88
Benzo(k)fluoranthene
Concen: 53.87 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	5.9	9.0	13.6#





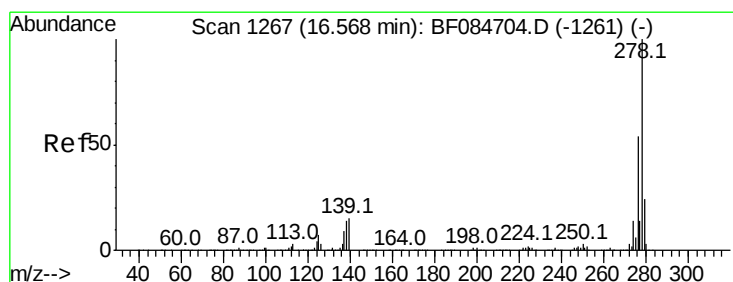
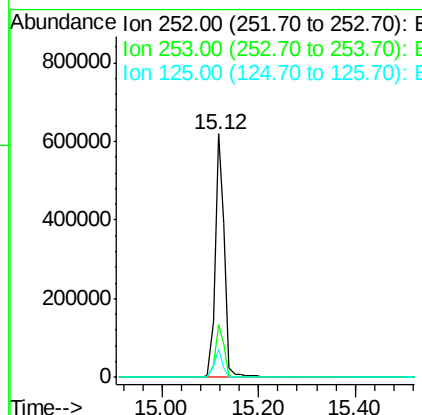
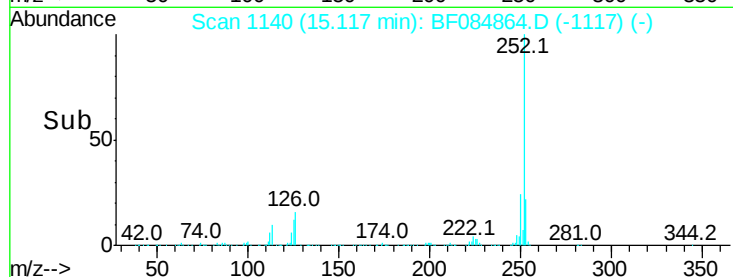
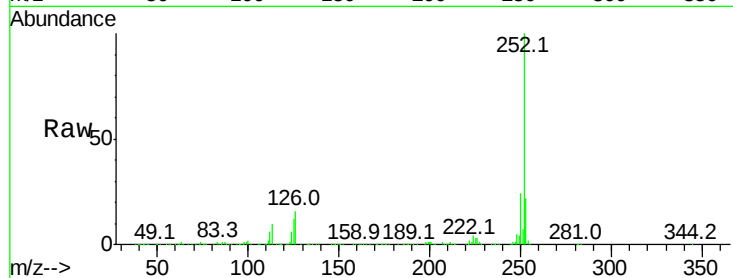
#89
Benzo(a)pyrene
Concen: 46.05 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Instrument :
BNA_F
ClientSampleId :
SUP-B017(25-27)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	12.0	7.0	10.4

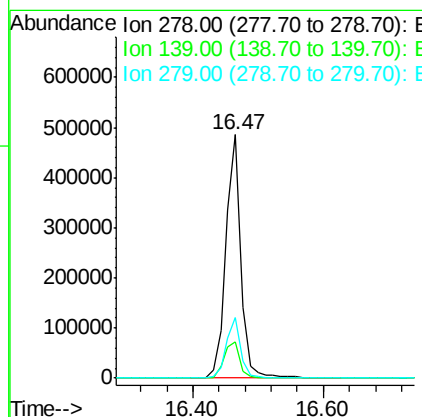
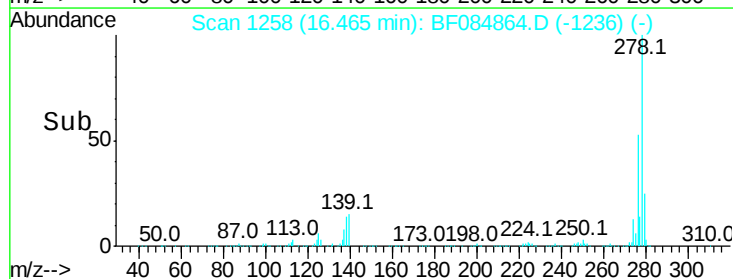
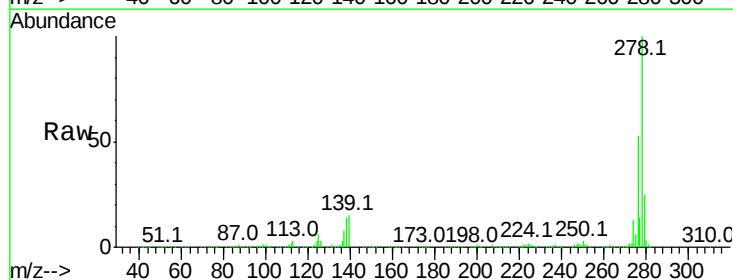
Manual Integrations
APPROVED

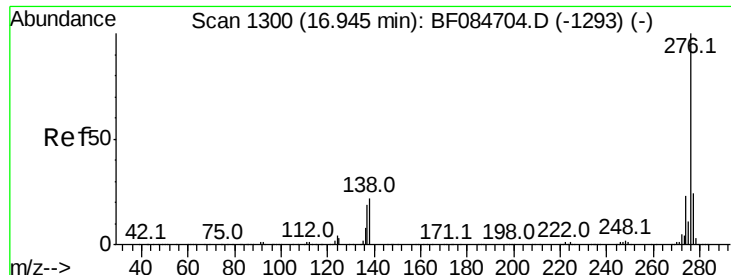
UMANGI
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#90
Dibenzo(a,h)anthracene
Concen: 51.65 ng
RT: 16.47 min Scan# 1258
Delta R.T. -0.05 min
Lab File: BF084864.D
Acq: 5 Feb 2016 17:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.7	15.0	22.4
279	24.8	18.9	28.3





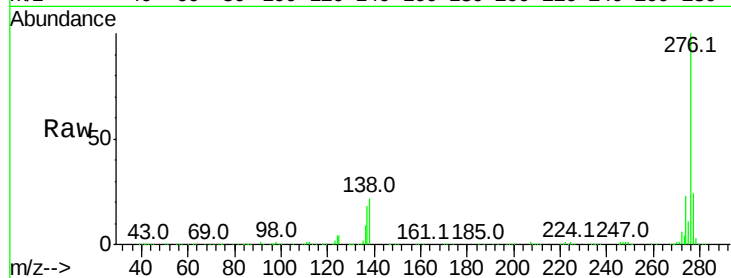
#91
 Benzo(a,h,i)perylene
 Concen: 53.21 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF084864.D
 Acq: 5 Feb 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(25-27)MSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.1	17.8	26.6

Manual Integrations
 APPROVED

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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

