

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081151.D
 Acq On : 21 Aug 2015 18:11
 Operator : UM/IZ
 Sample : G3312-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Manual Integrations
 APPROVED

MMDadoda
 8/24/2015 11:23:47 AM

Quant Time: Aug 21 23:55:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 23:26:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	60190	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	237884	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	118267	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	219767	20.00	ng	0.00
75) Chrysene-d12	13.67	240	151608	20.00	ng	0.00
86) Perylene-d12	15.00	264	124039	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	532962	133.18	ng	0.02
7) Phenol-d6	6.22	99	728705	139.56	ng	0.01
23) Nitrobenzene-d5	7.13	82	469906	90.24	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	155071	151.26	ng	0.01
44) 2-Fluorobiphenyl	8.93	172	800197	88.65	ng	0.00
78) Terphenyl-d14	12.64	244	700441	99.05	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.01	88	68226	36.18	ng	100
3) Pyridine	2.62	79	207538	38.99	ng	84
4) n-Nitrosodimethylamine	2.58	42	135828	45.84	ng	# 82
6) Aniline	6.22	93	240768	31.71	ng	# 52
8) 2-Chlorophenol	6.34	128	214969	49.08	ng	97
9) Benzaldehyde	6.09	77	98003	29.12	ng	98
10) Phenol	6.23	94	280811	45.54	ng	89
11) bis(2-Chloroethyl)ether	6.31	93	241280	50.99	ng	94
12) 1,3-Dichlorobenzene	6.49	146	196926m	41.84	ng	
13) 1,4-Dichlorobenzene	6.57	146	197486	42.38	ng	93
14) 1,2-Dichlorobenzene	6.73	146	209925	48.13	ng	92
15) Benzyl Alcohol	6.72	79	220518	52.20	ng	# 92
16) 2,2'-oxybis(1-Chloropropan	6.86	45	448763	48.27	ng	98
17) 2-Methylphenol	6.84	107	171043	45.51	ng	97
18) Hexachloroethane	7.06	117	80038	42.50	ng	# 88
19) n-Nitroso-di-n-propylamine	7.00	70	166755	46.11	ng	91
20) 3+4-Methylphenols	7.00	107	219704	46.06	ng	# 48
22) Acetophenone	6.98	105	322519	51.64	ng	# 88
24) Nitrobenzene	7.16	77	288512	52.99	ng	94
25) Isophorone	7.40	82	459211	47.29	ng	98
26) 2-Nitrophenol	7.46	139	103893	45.88	ng	# 87
27) 2,4-Dimethylphenol	7.52	122	173586	43.33	ng	93
28) bis(2-Chloroethoxy)methane	7.61	93	263710	45.97	ng	100
29) 2,4-Dichlorophenol	7.72	162	181708	53.88	ng	94
30) 1,2,4-Trichlorobenzene	7.80	180	185479	49.48	ng	99
31) Naphthalene	7.86	128	578840	43.65	ng	98
32) Benzoic acid	7.61	122	19283	8.56	ng	91
33) 4-Chloroaniline	7.92	127	179100	32.01	ng	96
34) Hexachlorobutadiene	7.99	225	98717	46.57	ng	98
35) Caprolactam	8.31	113	67779m	57.50	ng	
36) 4-Chloro-3-methylphenol	8.42	107	231747	57.66	ng	96
37) 2-Methylnaphthalene	8.56	142	415110	49.56	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	158806	41.62	ng	# 97
40) Hexachlorocyclopentadiene	8.71	237	77539	39.26	ng	98

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 23:26:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	117279	43.51	ng	99
43) 2,4,5-Trichlorophenol	8.88	196	120612	44.77	ng #	89
45) 1,1'-Biphenyl	9.02	154	439526	42.19	ng	96
46) 2-Chloronaphthalene	9.04	162	367094	43.86	ng	95
47) 2-Nitroaniline	9.14	65	176320	51.48	ng	95
48) Acenaphthylene	9.45	152	640567	42.79	ng	99
49) Dimethylphthalate	9.34	163	553790	56.86	ng	100
50) 2,6-Dinitrotoluene	9.40	165	104423	49.93	ng #	81
51) Acenaphthene	9.62	154	378219	42.20	ng	99
52) 3-Nitroaniline	9.56	138	95337	36.43	ng	87
53) 2,4-Dinitrophenol	9.66	184	32368	33.05	ng #	74
54) Dibenzofuran	9.80	168	558208	46.48	ng	97
55) 4-Nitrophenol	9.74	139	183670	99.93	ng #	77
56) 2,4-Dinitrotoluene	9.80	165	132012	47.63	ng	97
57) Fluorene	10.13	166	411946	44.59	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	98277	47.13	ng	97
59) Diethylphthalate	10.02	149	469753	45.57	ng	99
60) 4-Chlorophenyl-phenylether	10.13	204	172221	44.05	ng	93
61) 4-Nitroaniline	10.16	138	108756	40.66	ng	93
62) Azobenzene	10.29	77	522550	43.99	ng	97
64) 4,6-Dinitro-2-methylphenol	10.20	198	35215	26.83	ng #	61
65) n-Nitrosodiphenylamine	10.25	169	350311	44.65	ng	100
66) 4-Bromophenyl-phenylether	10.62	248	113338	52.50	ng #	92
67) Hexachlorobenzene	10.68	284	110610	50.59	ng #	93
68) Atrazine	10.79	200	123329	56.43	ng	99
69) Pentachlorophenol	10.87	266	114682	87.42	ng	98
70) Phenanthrene	11.09	178	629515	48.33	ng	100
71) Anthracene	11.13	178	572864	45.20	ng	100
72) Carbazole	11.29	167	574520	47.08	ng	99
73) Di-n-butylphthalate	11.64	149	682586	46.23	ng	98
74) Fluoranthene	12.25	202	619585	44.08	ng	92
76) Benzidine	12.39	184	211801	36.98	ng	99
77) Pyrene	12.48	202	671531	54.49	ng	99
79) Butylbenzylphthalate	13.12	149	317769	59.98	ng	97
80) Benzo(a)anthracene	13.66	228	487110	47.91	ng	100
81) 3,3'-Dichlorobenzidine	13.64	252	168736	51.24	ng #	97
82) Chrysene	13.69	228	427616	46.67	ng	99
83) Bis(2-ethylhexyl)phthalate	13.68	149	417729	61.56	ng #	98
84) Di-n-octyl phthalate	14.29	149	641877	62.24	ng	98
85) Indeno(1,2,3-cd)pyrene	16.19	276	360290	56.00	ng #	94
87) Benzo(b)fluoranthene	14.65	252	428699m	48.86	ng	
88) Benzo(k)fluoranthene	14.68	252	309836m	37.90	ng	
89) Benzo(a)pyrene	14.95	252	350154	45.80	ng #	95
90) Dibenzo(a,h)anthracene	16.21	278	297054	49.87	ng #	97
91) Benzo(g,h,i)perylene	16.55	276	292563	48.41	ng #	96

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

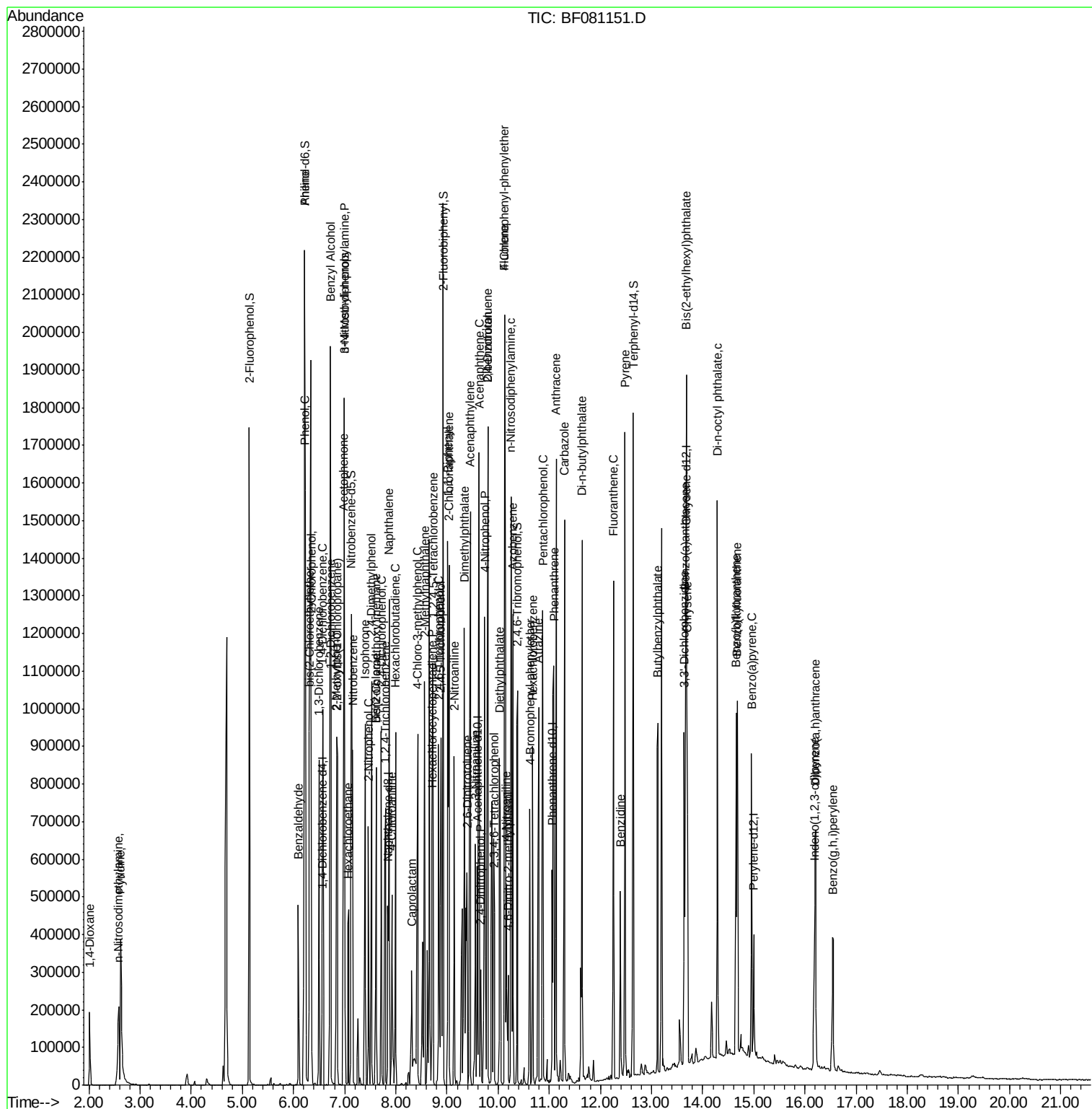
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
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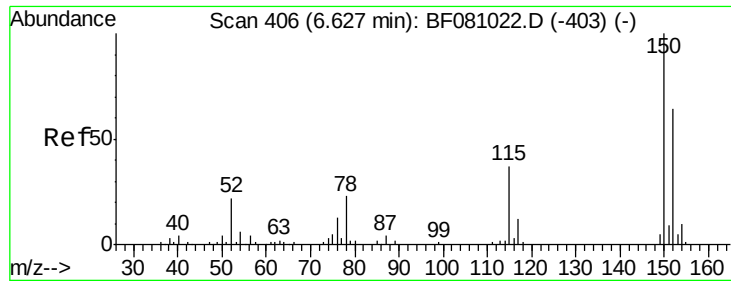
Instrument :
BNA_F
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VITALE-FILL-SOURCE-1AMSD

Manual Integrations
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

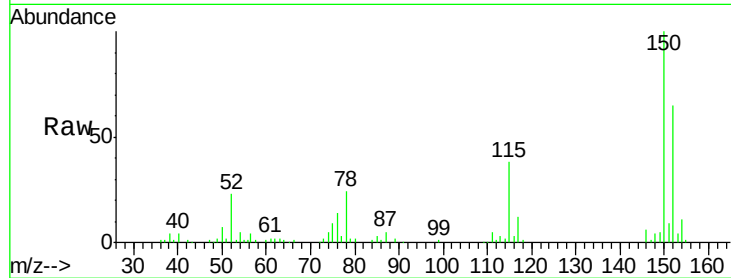
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VITALE-FILL-SOURCE-1AMSD

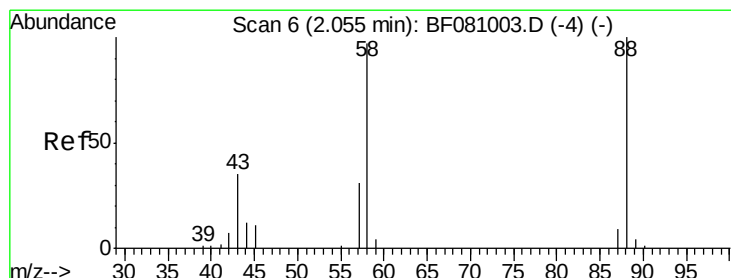
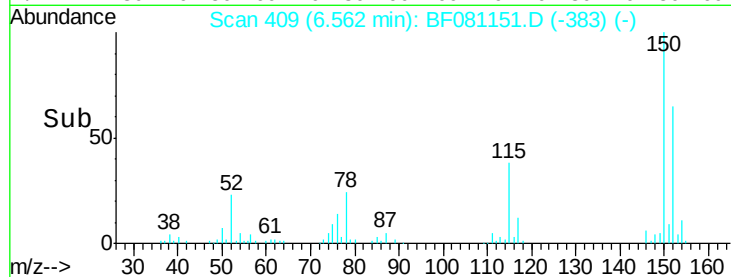
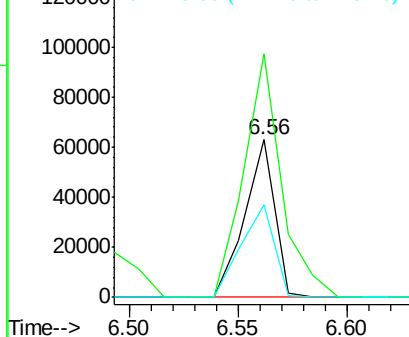
Tgt Ion:	152	Resp:	60190
Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.8	185.6
115	58.6	52.1	78.1

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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: 36.18 ng

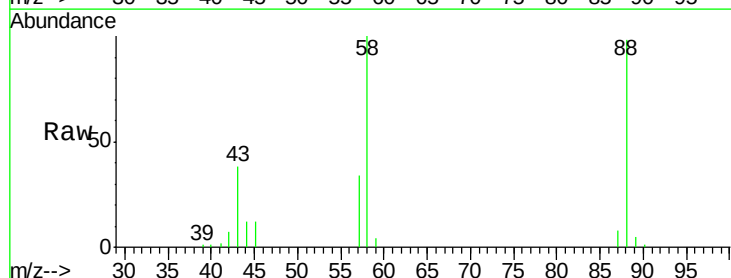
RT: 2.01 min Scan# 11

Delta R.T. 0.07 min

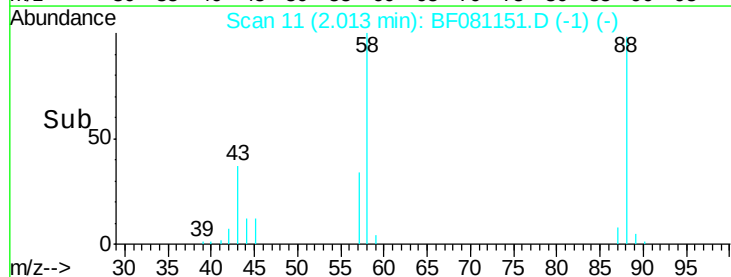
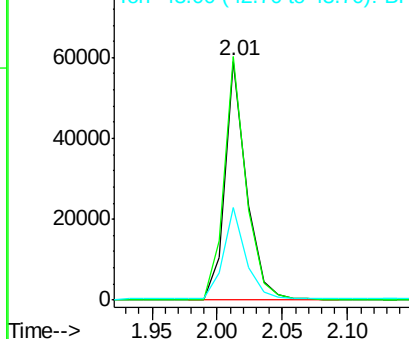
Lab File: BF081151.D

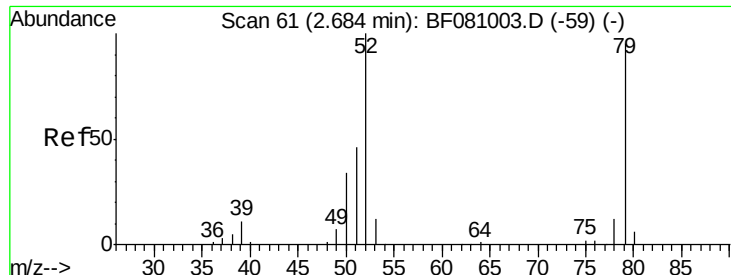
Acq: 21 Aug 2015 18:11

Tgt Ion:	88	Resp:	68226
Ion	Ratio	Lower	Upper
88	100		
58	104.4	83.7	125.5
43	46.8	37.5	56.3



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

Pyridine

Concen: 38.99 ng

RT: 2.62 min Scan# 64

Delta R.T. 0.06 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

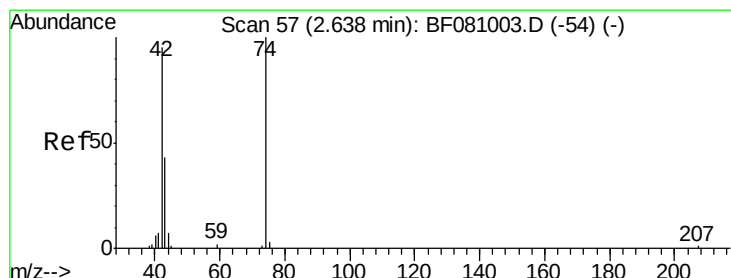
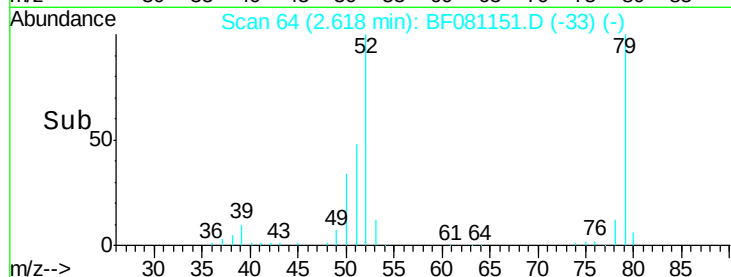
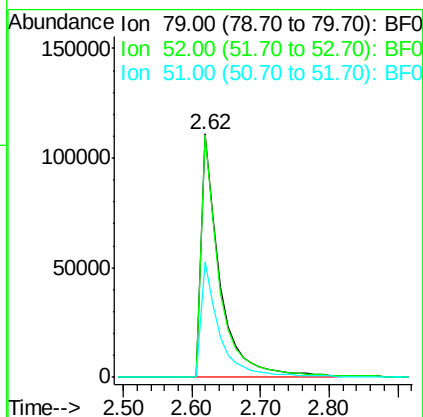
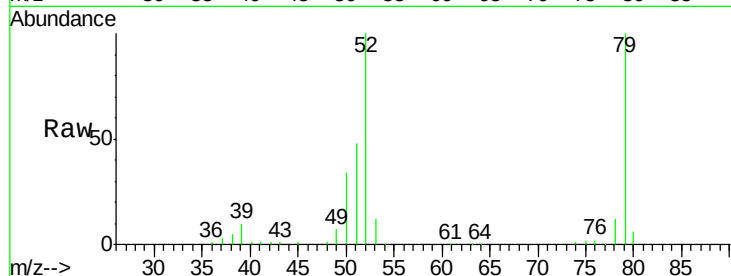
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	79	Resp:	207538
Ion Ratio	Lower	Upper	
79	100		
52	99.7	95.1	142.7
51	47.6	46.6	70.0

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 45.84 ng

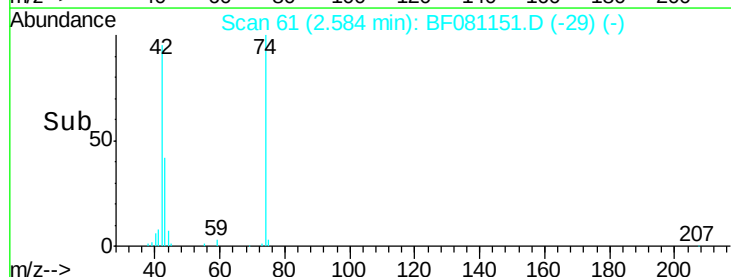
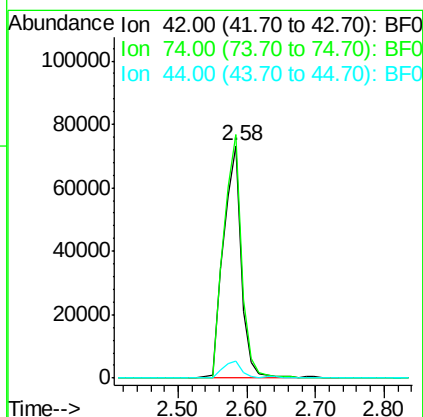
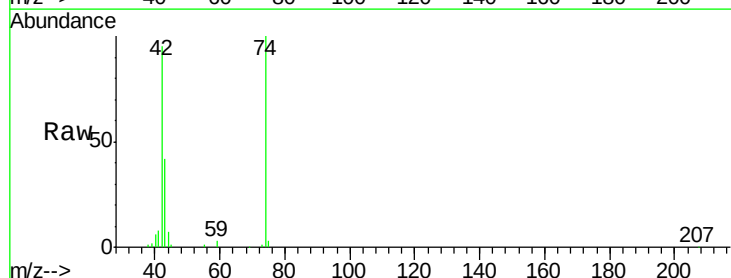
RT: 2.58 min Scan# 61

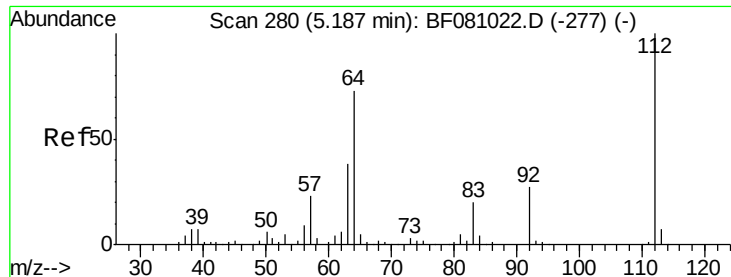
Delta R.T. 0.07 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	42	Resp:	135828
Ion Ratio	Lower	Upper	
42	100		
74	104.8	69.3	103.9#
44	7.3	5.5	8.3





#5

2-Fluorophenol

Concen: 133.18 ng

RT: 5.13 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF081151.D

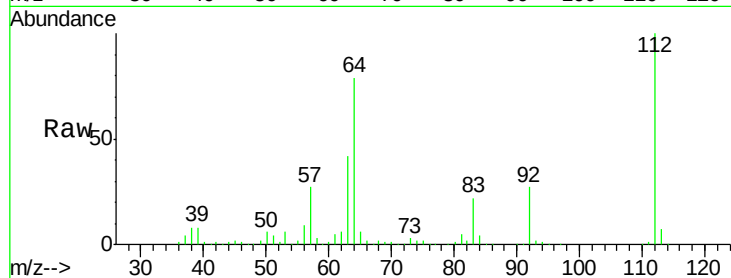
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

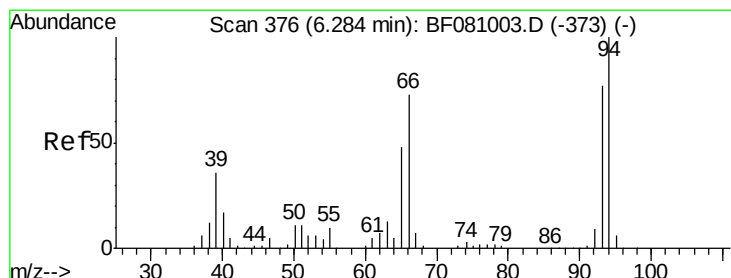
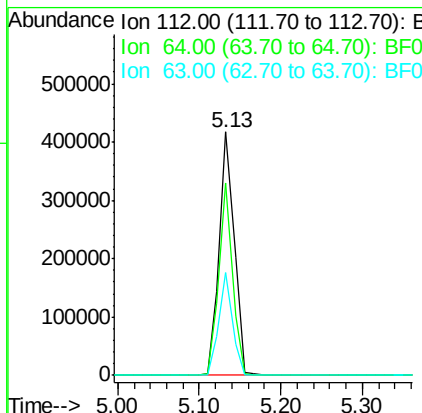
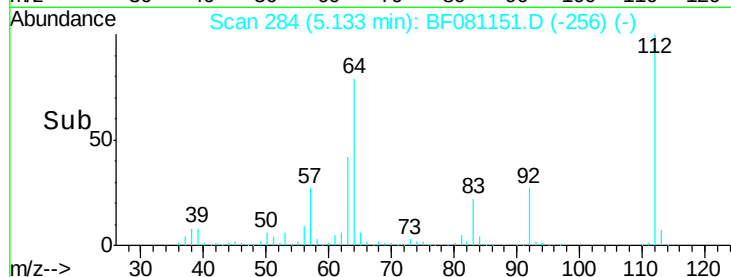
VITALE-FILL-SOURCE-1AMSD



Tgt Ion:	112	Resp:	532962
Ion Ratio	Lower	Upper	
112	100		
64	79.3	66.9	100.3
63	42.3	38.1	57.1

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#6

Aniline

Concen: 31.71 ng

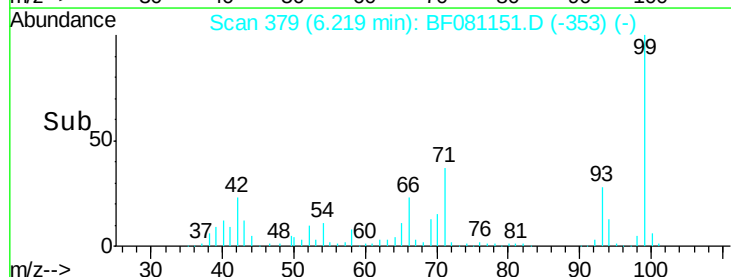
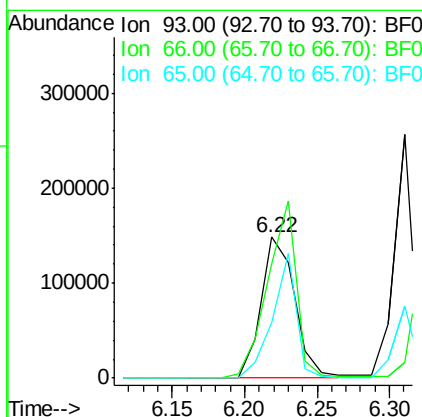
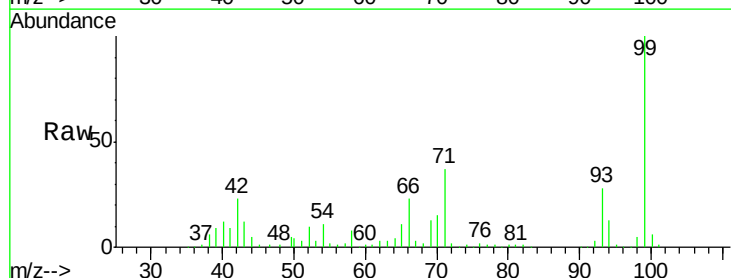
RT: 6.22 min Scan# 379

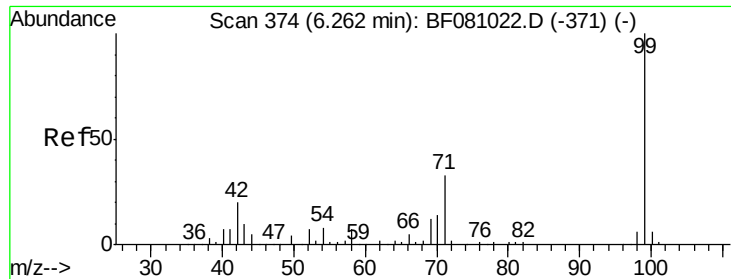
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	93	Resp:	240768
Ion Ratio	Lower	Upper	
93	100		
66	81.2	35.6	53.4#
65	39.7	18.7	28.1#





#7

Phenol-d6

Concen: 139.56 ng

RT: 6.22 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

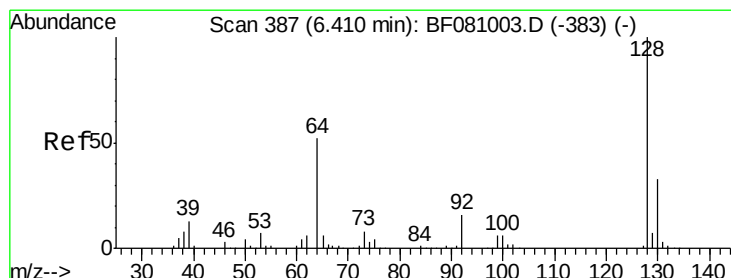
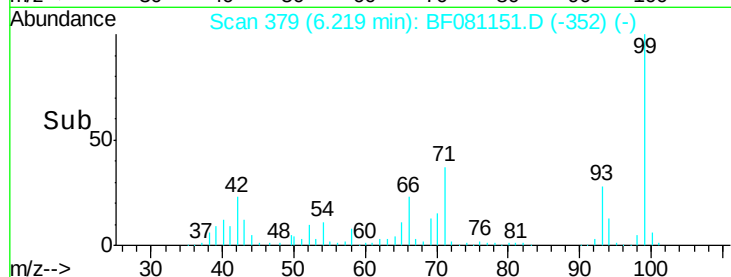
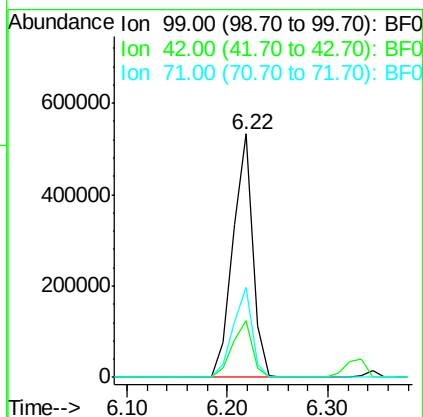
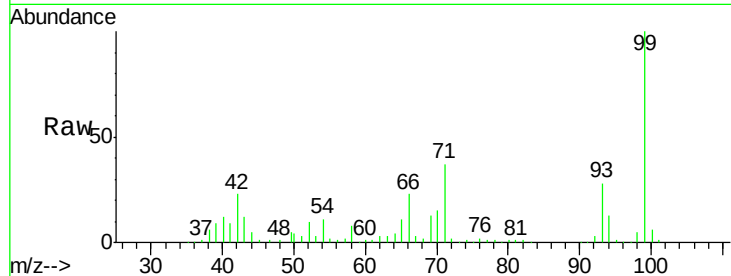
ClientSampleId :

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Tgt Ion:	99	Resp:	728705
Ion Ratio	Lower	Upper	
99	100		
42	23.4	19.6	29.4
71	36.9	31.2	46.8

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#8

2-Chlorophenol

Concen: 49.08 ng

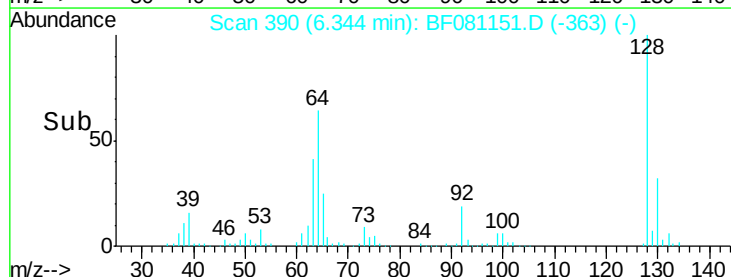
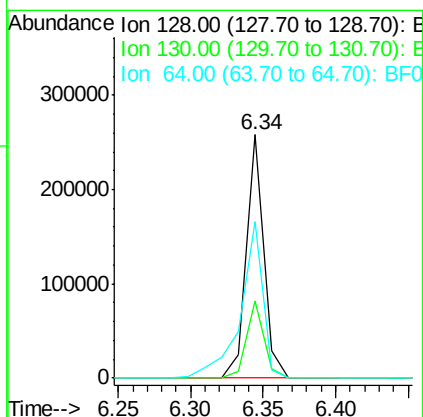
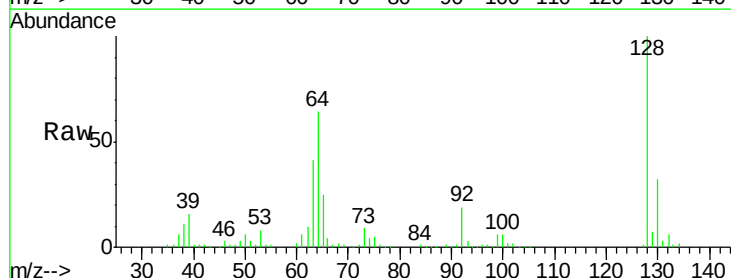
RT: 6.34 min Scan# 390

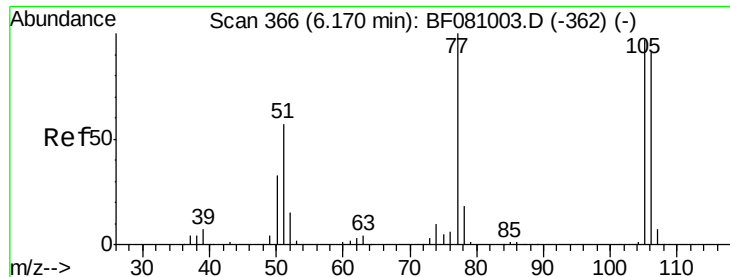
Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	128	Resp:	214969
Ion Ratio	Lower	Upper	
128	100		
130	31.8	12.5	52.5
64	64.2	46.8	86.8





#9

Benzaldehyde

Concen: 29.12 ng

RT: 6.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

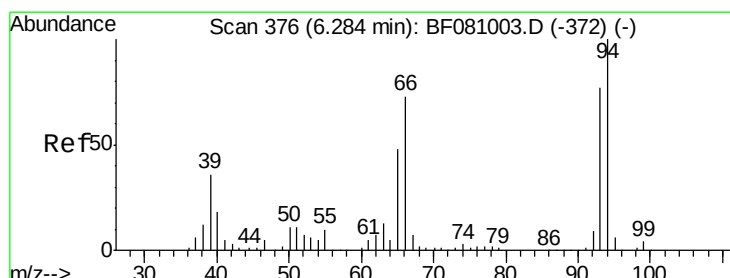
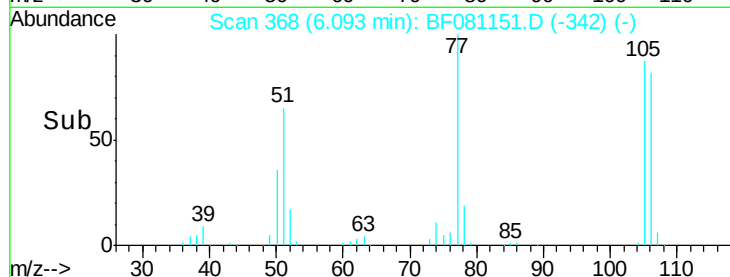
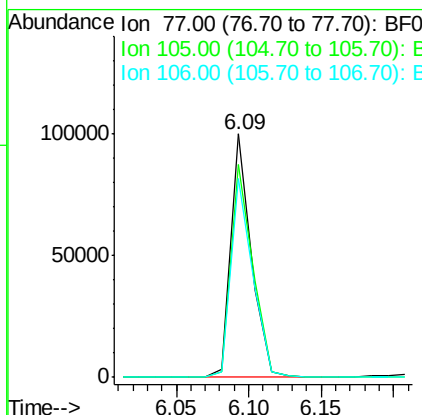
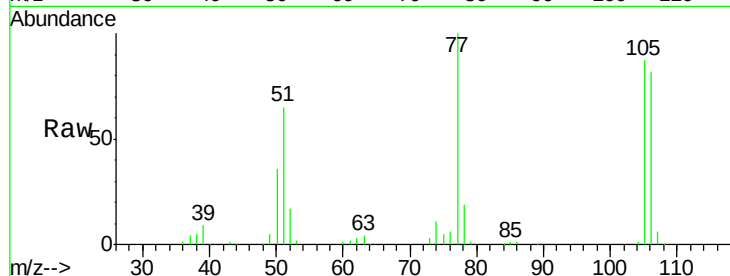
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VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	77	Resp:	98003
Ion Ratio	Lower	Upper	
77	100		
105	87.4	69.6	109.6
106	81.8	64.0	104.0

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#10

Phenol

Concen: 45.54 ng

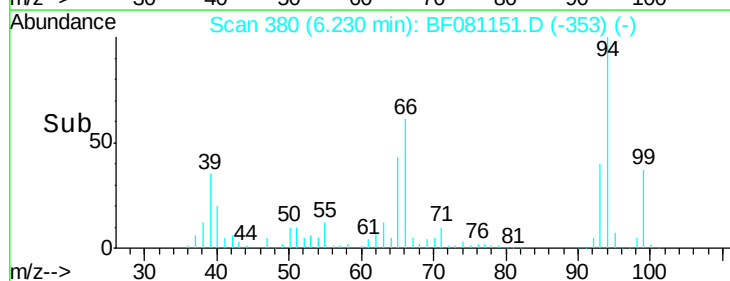
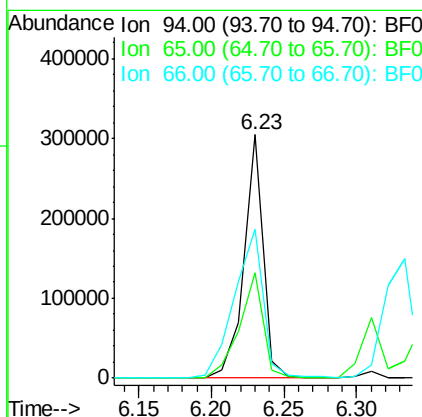
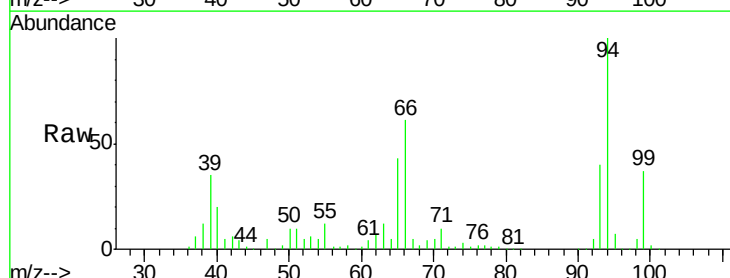
RT: 6.23 min Scan# 380

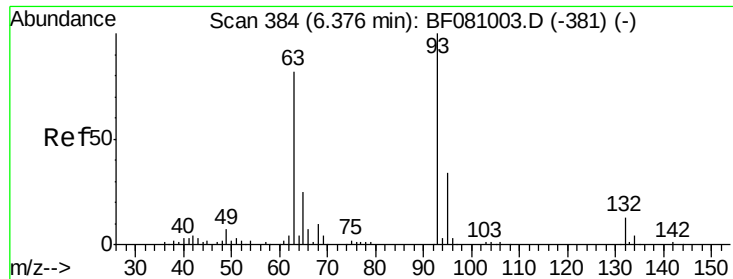
Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	94	Resp:	280811
Ion Ratio	Lower	Upper	
94	100		
65	43.0	28.4	68.4
66	61.2	52.3	92.3





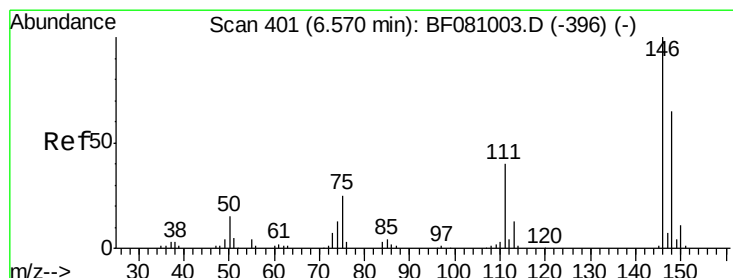
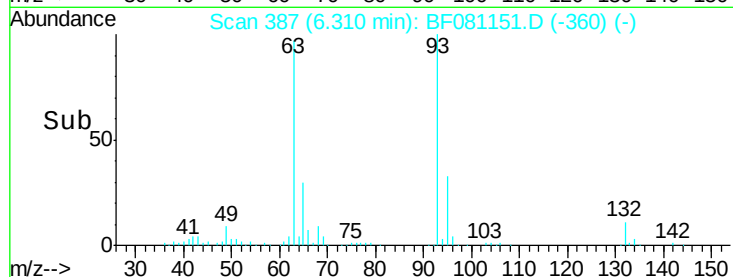
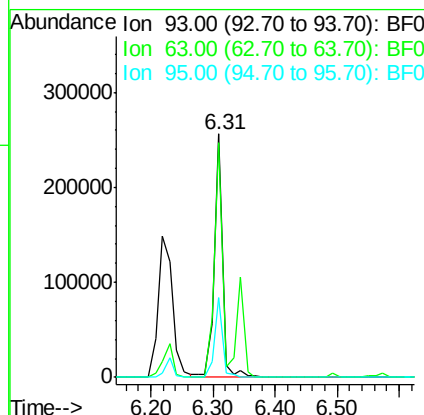
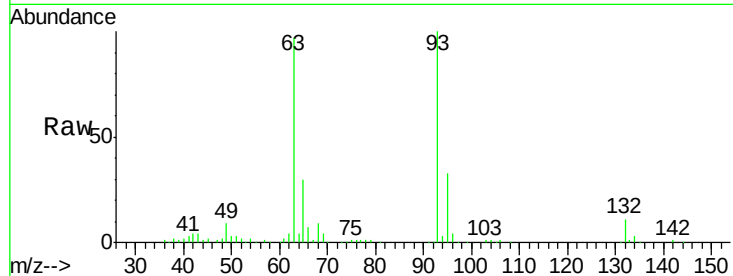
#11
 bis(2-Chloroethyl)ether
 Concen: 50.99 ng
 RT: 6.31 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	93	Resp:	241280
Ion	Ratio	Lower	Upper
93	100		
63	96.5	69.6	109.6
95	32.6	12.3	52.3

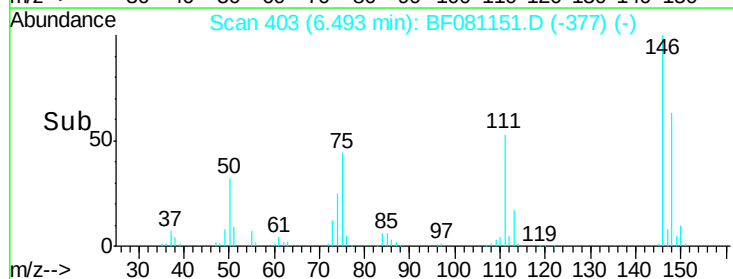
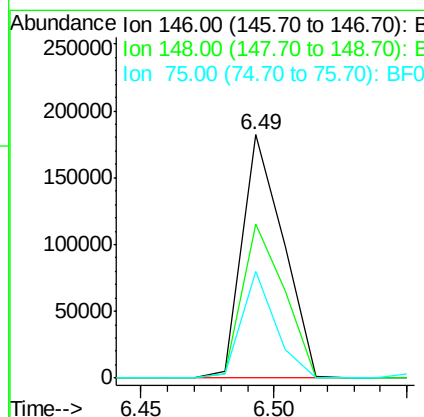
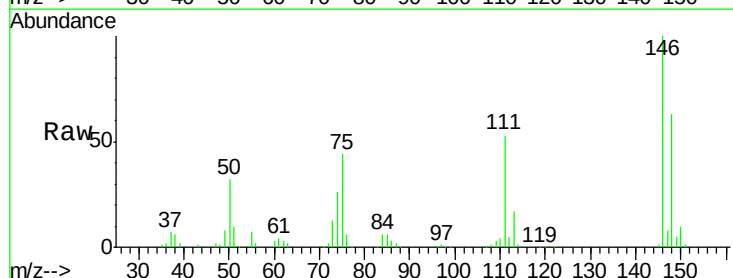
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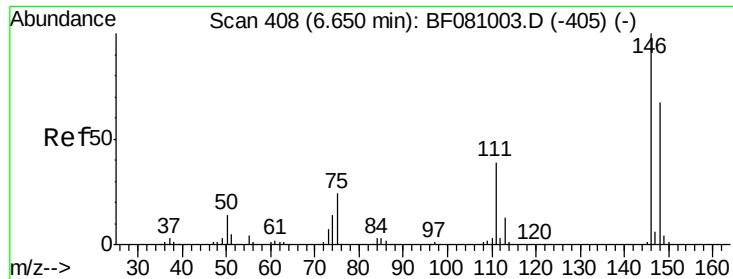
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 8/24/2015 11:23:47 AM



#12
 1,3-Dichlorobenzene
 Concen: 41.84 ng m
 RT: 6.49 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion:	146	Resp:	196926
Ion	Ratio	Lower	Upper
146	100		
148	63.3	53.3	79.9
75	44.1	25.0	37.6#





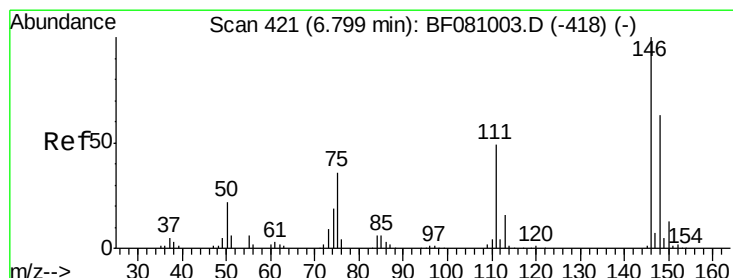
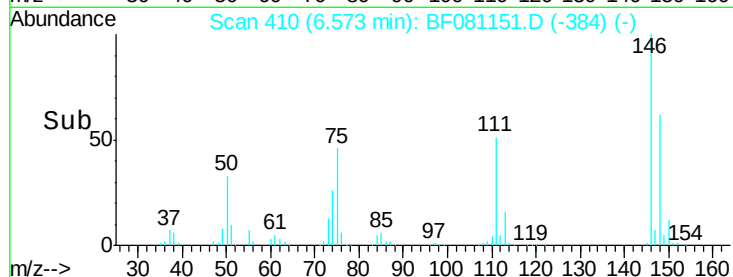
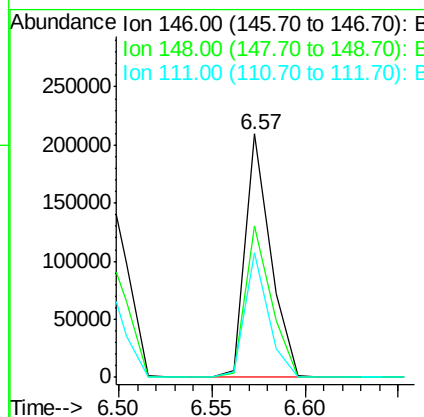
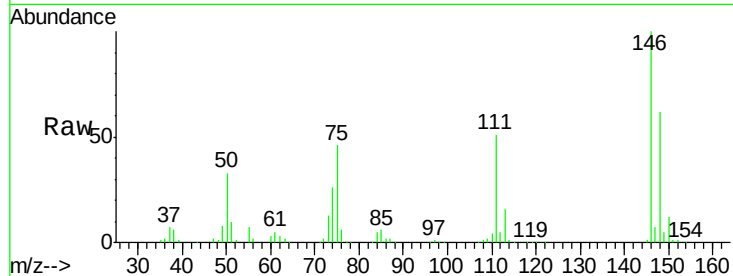
#13
 1,4-Dichlorobenzene
 Concen: 42.38 ng
 RT: 6.57 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	52.3	78.5
111	51.0	34.4	51.6

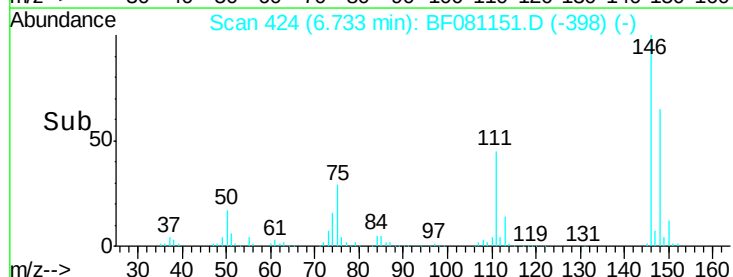
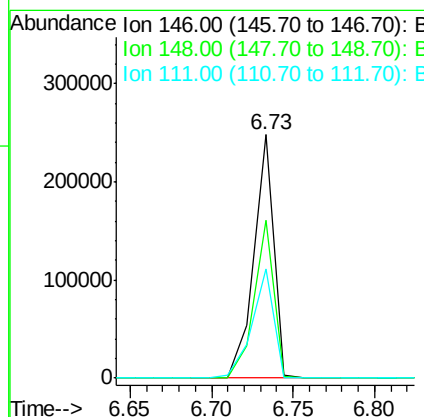
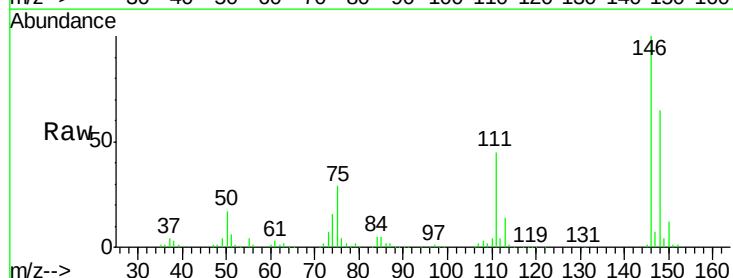
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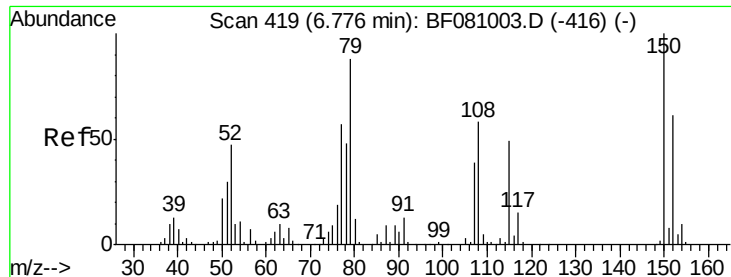
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 8/24/2015 11:23:47 AM



#14
 1,2-Dichlorobenzene
 Concen: 48.13 ng
 RT: 6.73 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	48.7	73.1
111	44.9	42.3	63.5





#15

Benzyl Alcohol

Concen: 52.20 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion: 79 Resp: 220518
Ion Ratio Lower Upper

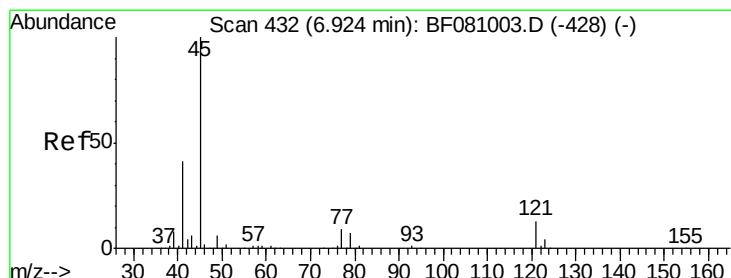
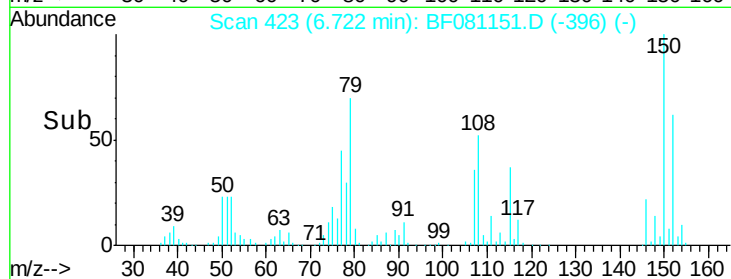
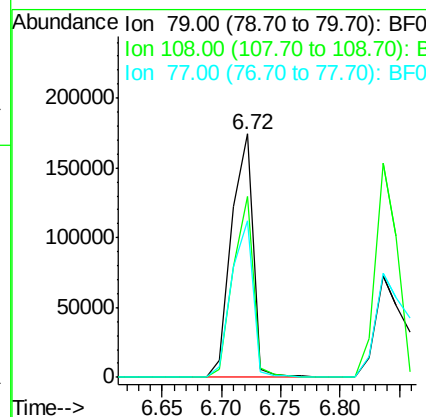
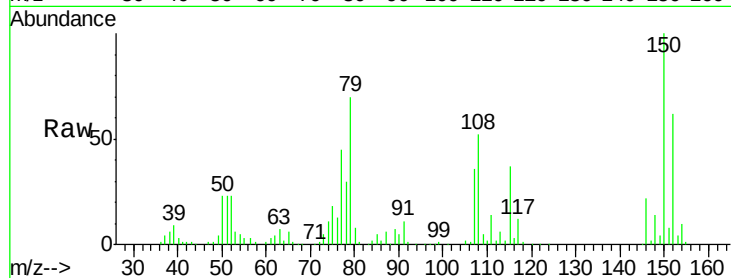
79 100

108 74.5 49.4 74.2#

77 64.1 51.4 77.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.27 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.00 min

Lab File: BF081151.D

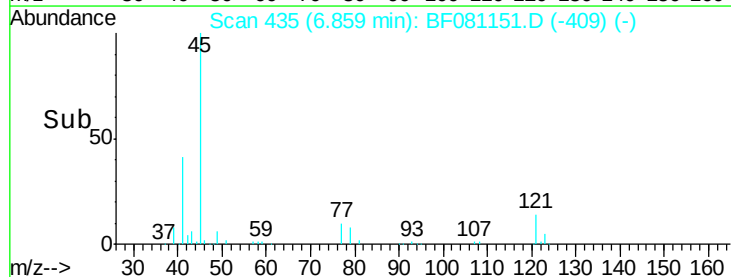
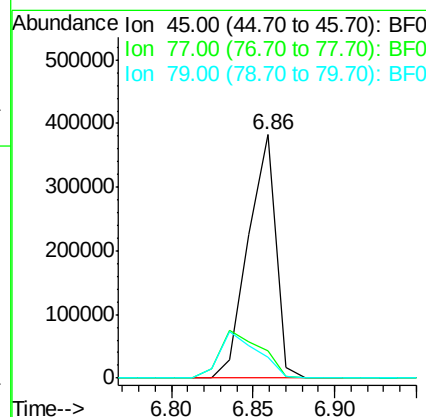
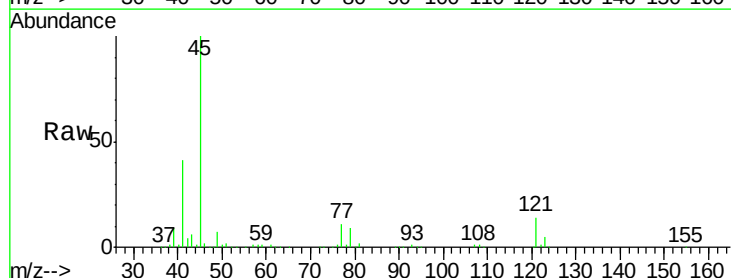
Acq: 21 Aug 2015 18:11

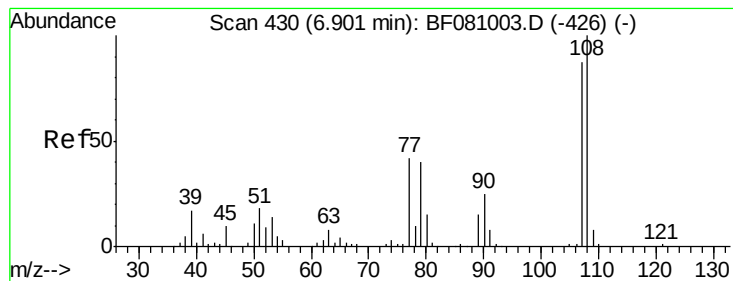
Tgt Ion: 45 Resp: 448763
Ion Ratio Lower Upper

45 100

77 11.1 0.0 30.2

79 8.6 0.0 28.0





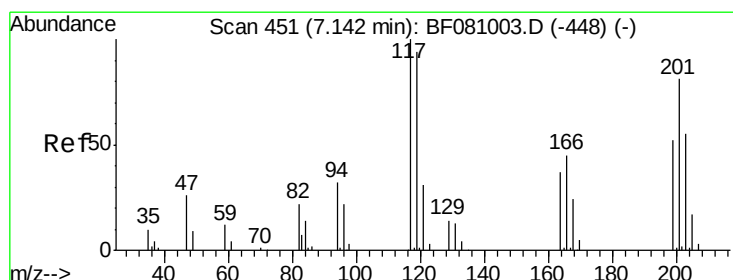
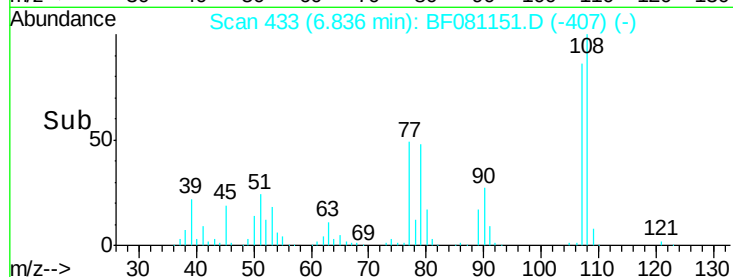
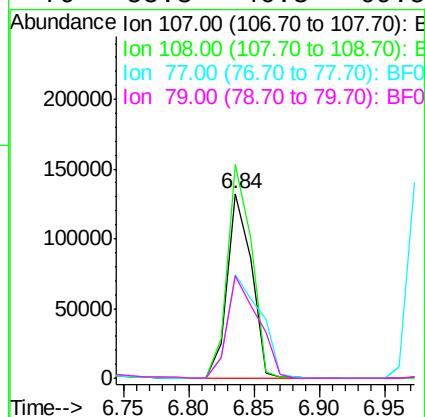
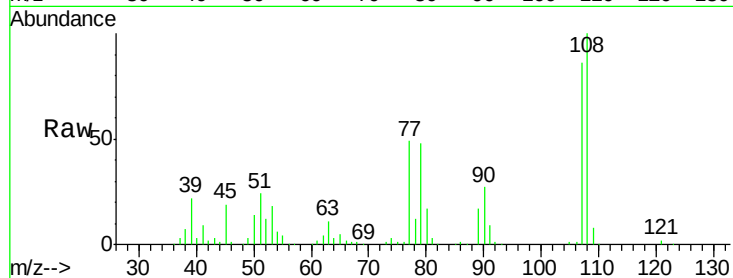
#17
2-Methylphenol
Concen: 45.51 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	107	Resp:	171043
Ion Ratio	Lower	Upper	
107	100		
108	115.7	90.4	135.6
77	56.4	46.5	69.7
79	55.3	46.3	69.5

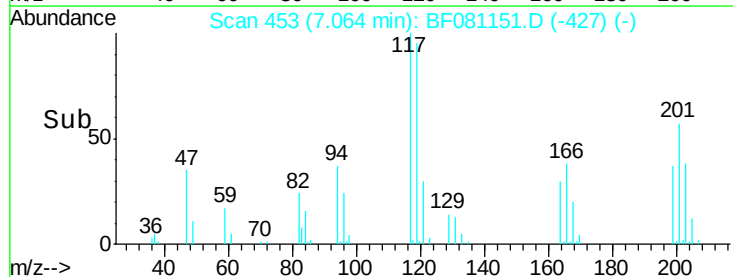
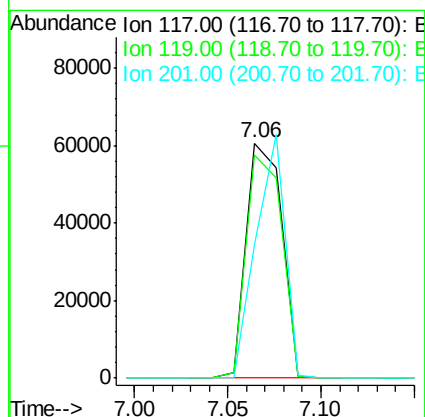
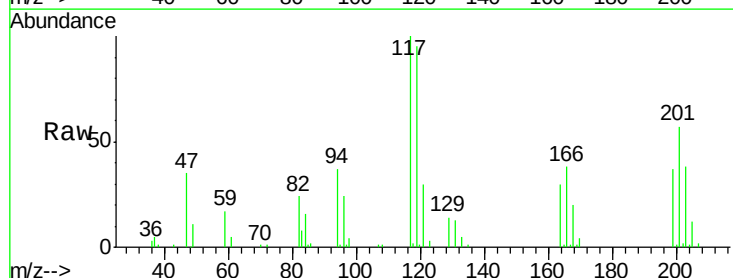
Manual Integrations
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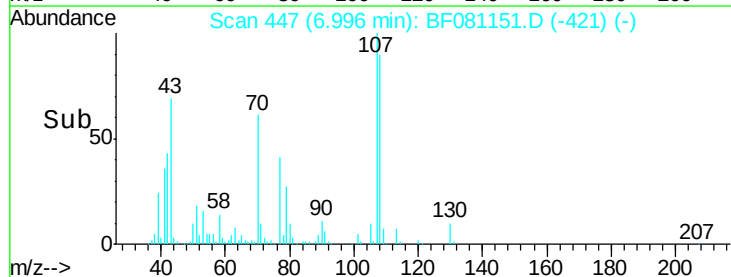
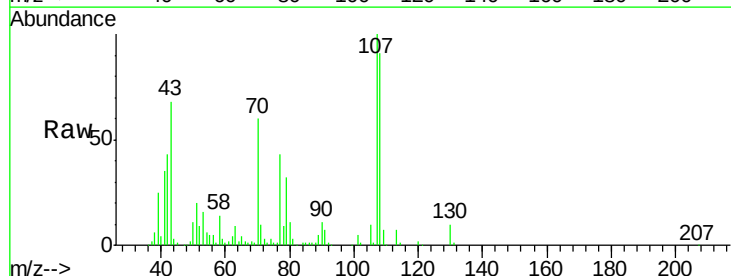
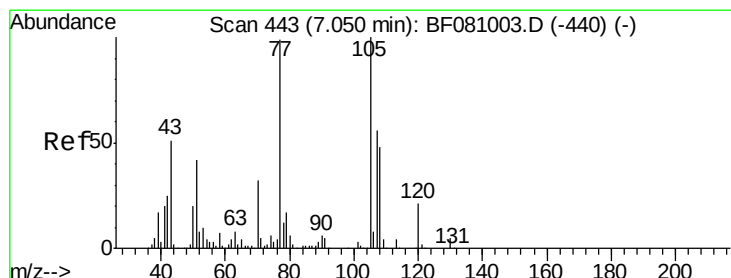
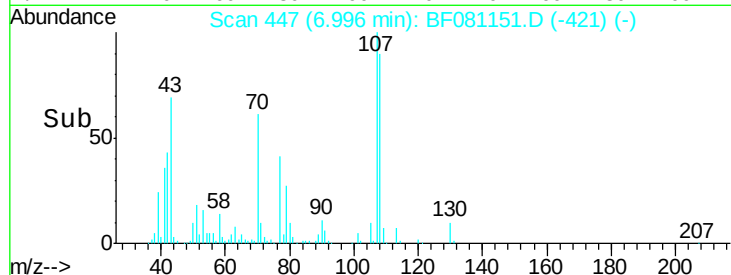
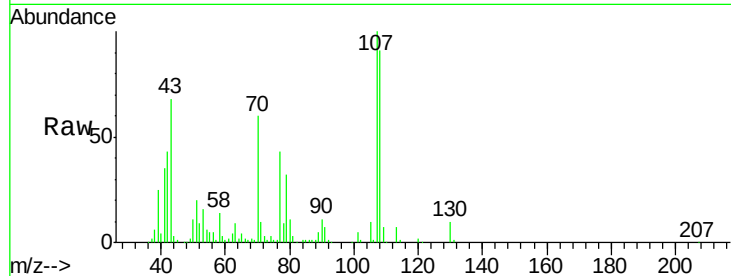
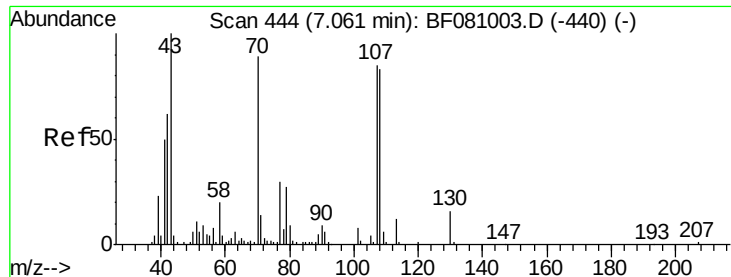
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#18
Hexachloroethane
Concen: 42.50 ng
RT: 7.06 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion:	117	Resp:	80038
Ion Ratio	Lower	Upper	
117	100		
119	94.8	77.9	116.9
201	56.7	61.3	91.9#





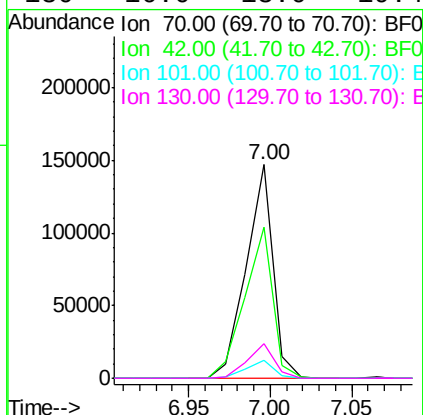
#19
n-Nitroso-di-n-propylamine
Concen: 46.11 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
70	100			
42	70.8	65.0	97.4	
101	8.3	7.4	11.2	
130	16.0	13.0	19.4	

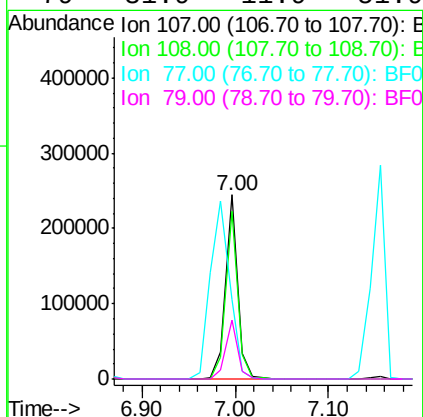
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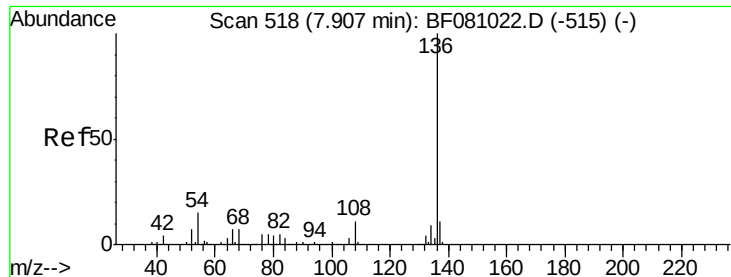
MMDadoda
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#20
3+4-Methylphenols
Concen: 46.06 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	91.1	66.1	106.1	
77	43.2	139.3	179.3	
79	31.9	11.9	51.9	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

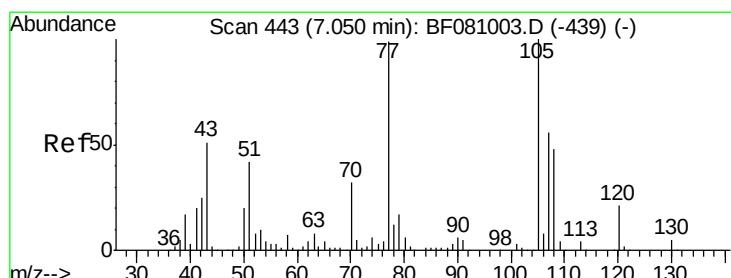
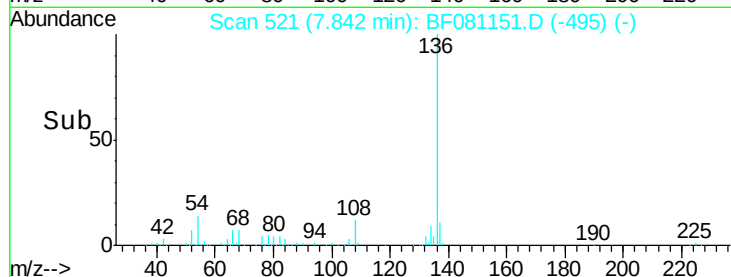
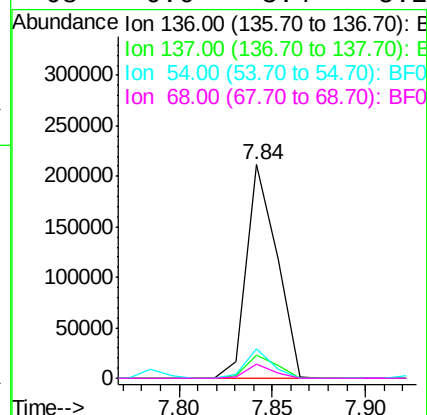
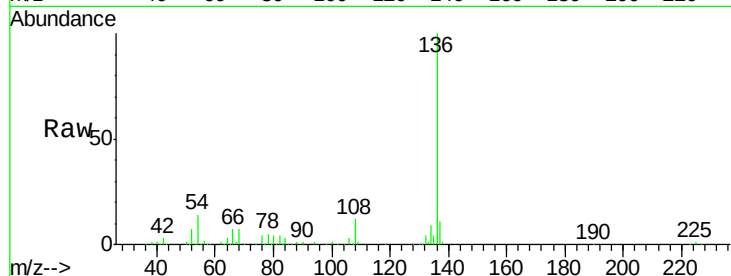
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	237884		
137	10.5	8.2	12.2	
54	13.8	7.7	11.5	
68	6.6	3.4	5.2	

Manual Integrations
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#22

Acetophenone

Concen: 51.64 ng

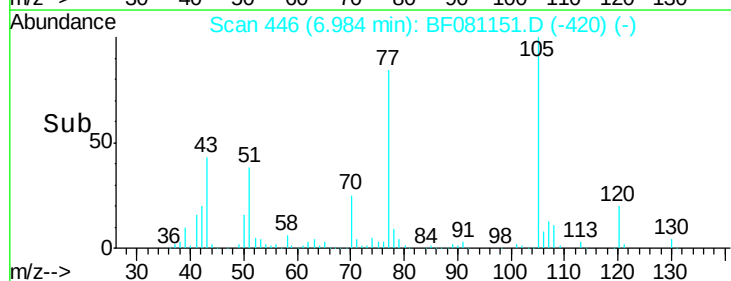
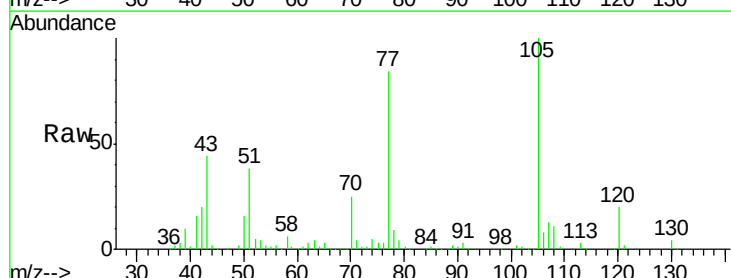
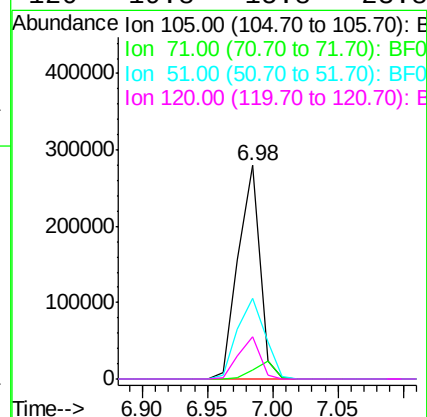
RT: 6.98 min Scan# 446

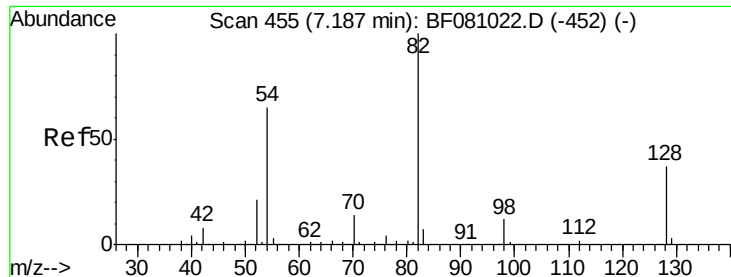
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322519		
71	4.1	3.0	4.6	
51	37.7	39.8	59.8	
120	19.8	15.8	23.8	





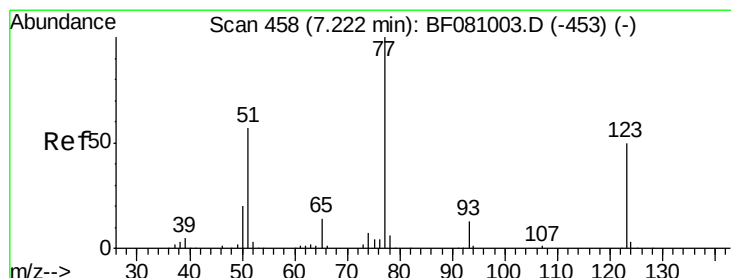
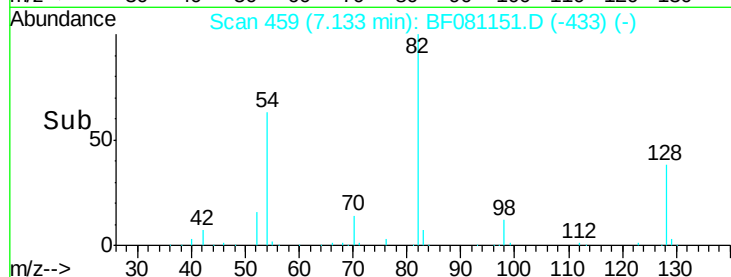
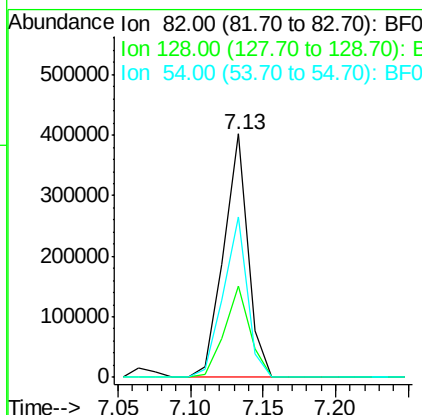
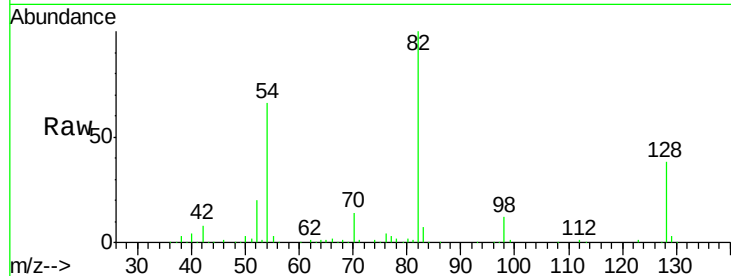
#23
 Nitrobenzene-d5
 Concen: 90.24 ng
 RT: 7.13 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	37.6	28.6	42.8
54	65.7	55.1	82.7

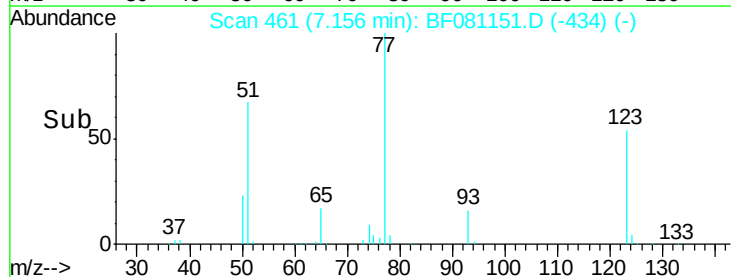
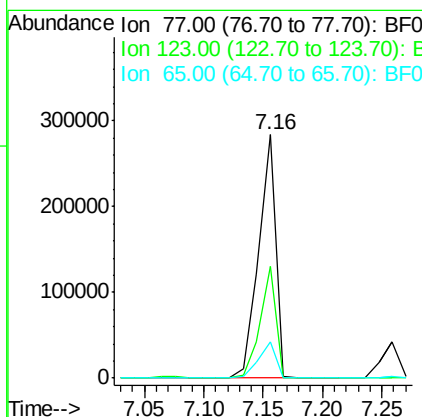
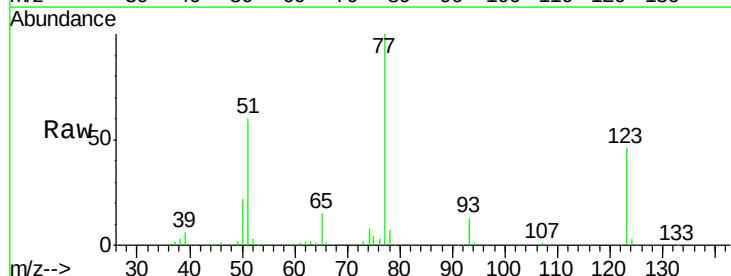
Manual Integrations
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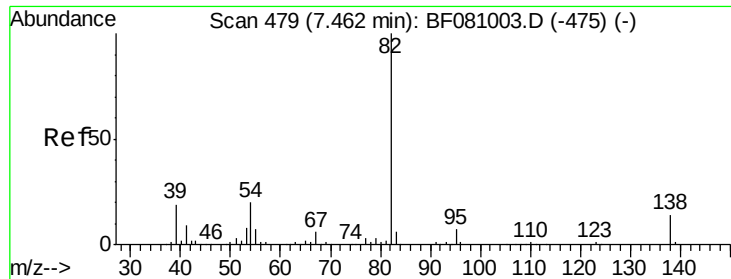
MMDadoda
 8/24/2015 11:23:47 AM



#24
 Nitrobenzene
 Concen: 52.99 ng
 RT: 7.16 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	45.8	32.9	49.3
65	14.7	12.5	18.7





#25

Isophorone

Concen: 47.29 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

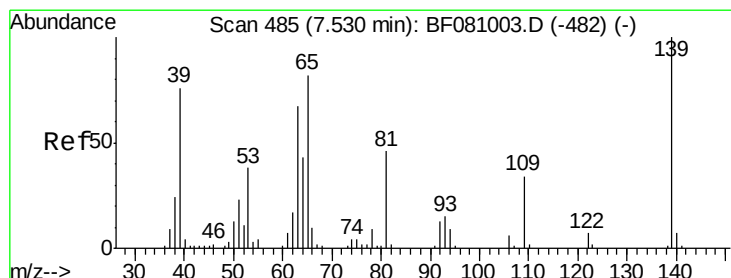
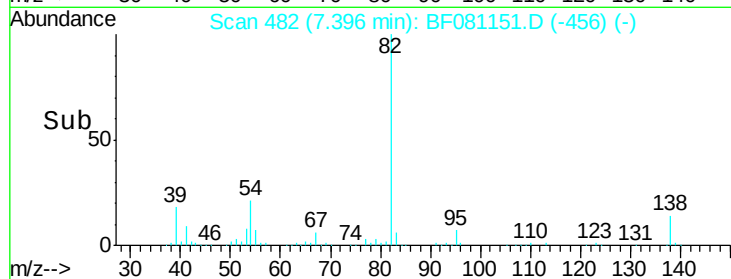
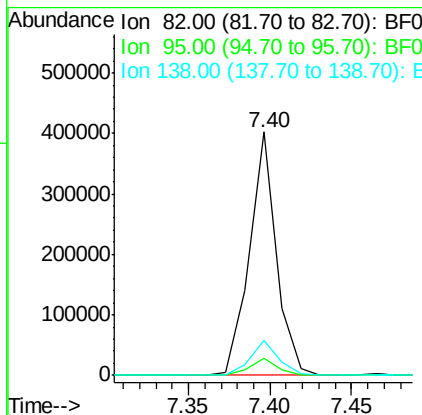
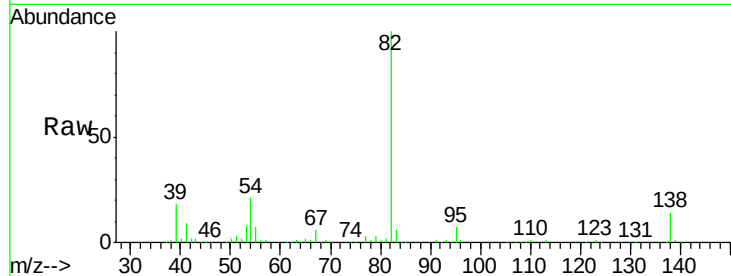
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	82	Resp:	459211
Ion Ratio	Lower	Upper	
82	100		
95	7.1	6.2	9.2
138	14.2	10.5	15.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 45.88 ng

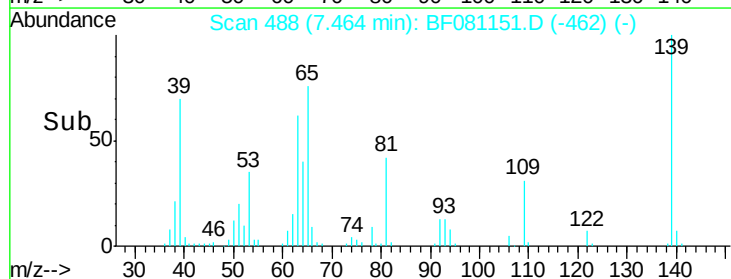
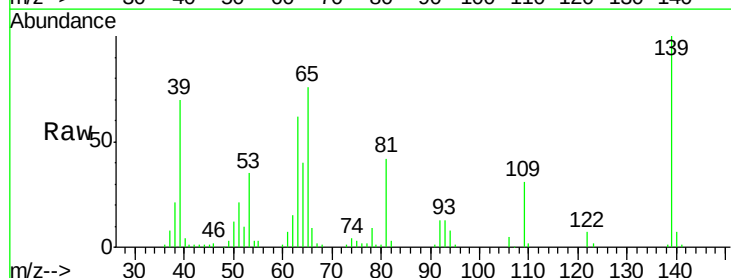
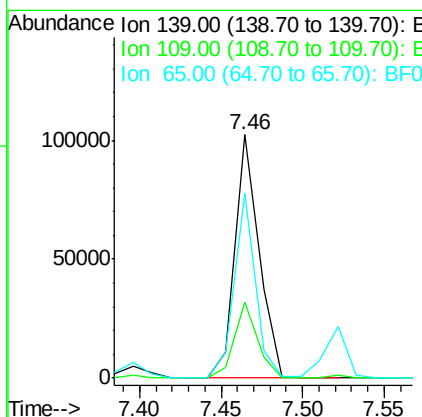
RT: 7.46 min Scan# 488

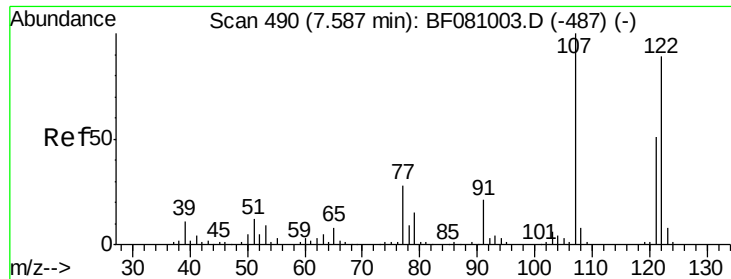
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	139	Resp:	103893
Ion Ratio	Lower	Upper	
139	100		
109	31.3	32.1	48.1#
65	76.0	69.9	104.9





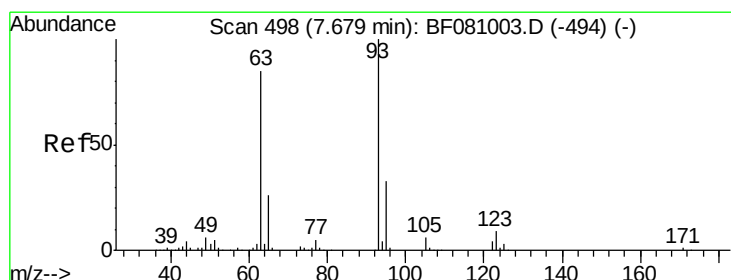
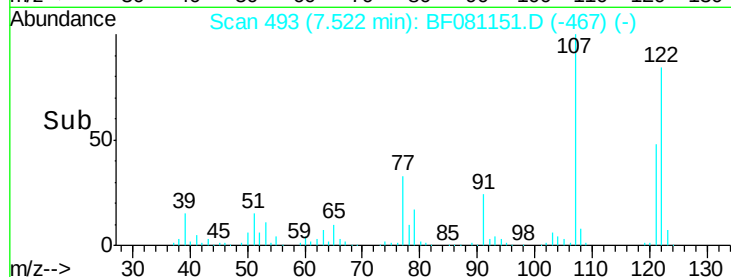
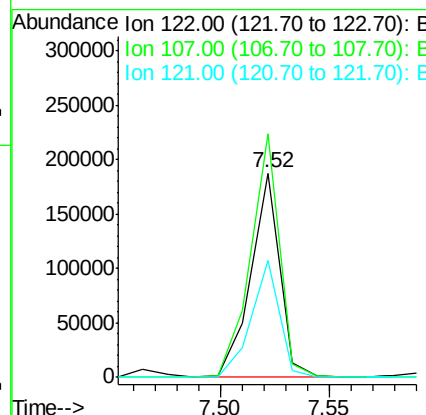
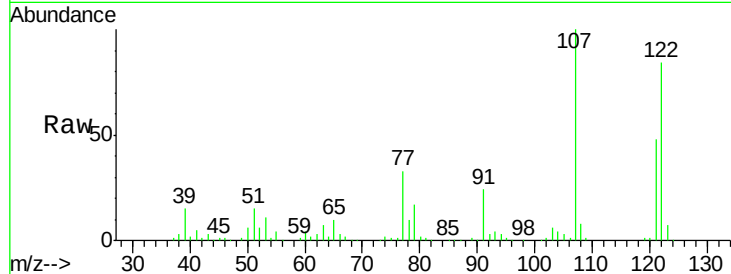
#27
 2,4-Dimethylphenol
 Concen: 43.33 ng
 RT: 7.52 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	173586		
107	119.2	103.8	155.6	
121	57.0	47.0	70.4	

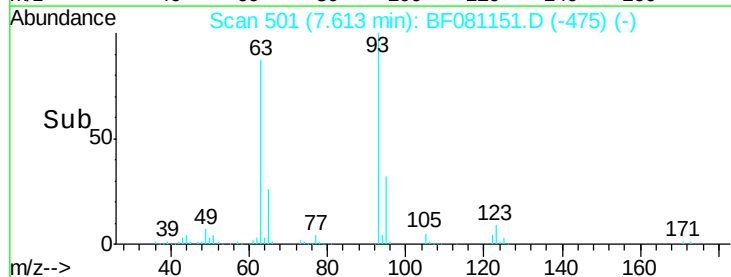
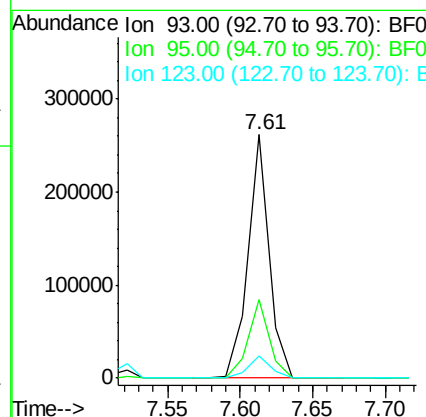
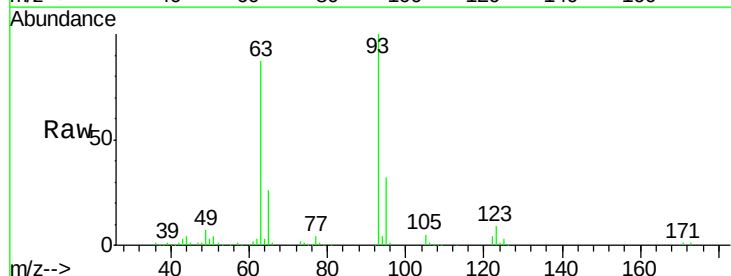
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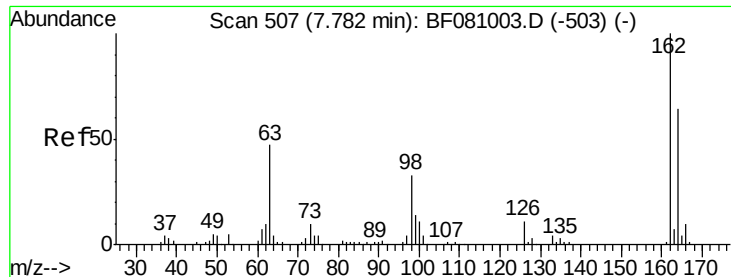
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#28
 bis(2-Chloroethoxy)methane
 Concen: 45.97 ng
 RT: 7.61 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	263710		
95	32.4	25.8	38.8	
123	9.1	7.4	11.0	





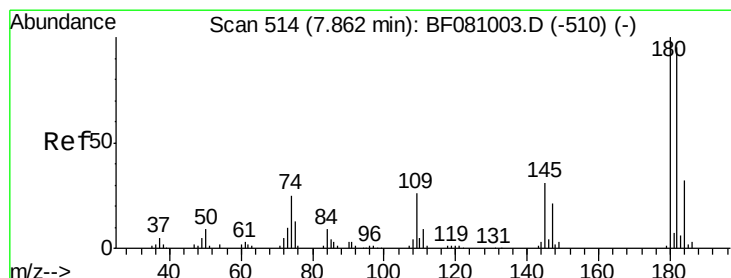
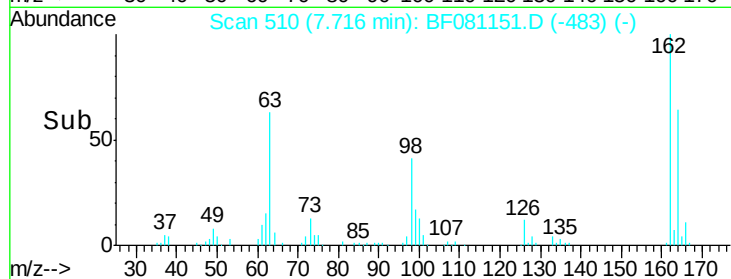
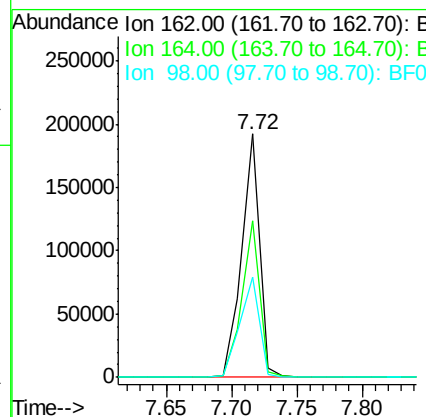
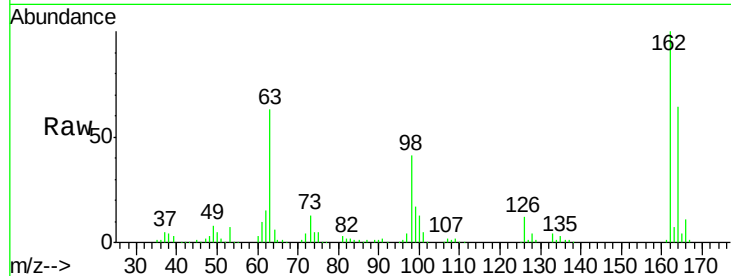
#29
 2,4-Dichlorophenol
 Concen: 53.88 ng
 RT: 7.72 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.3	43.2	83.2
98	41.2	12.3	52.3

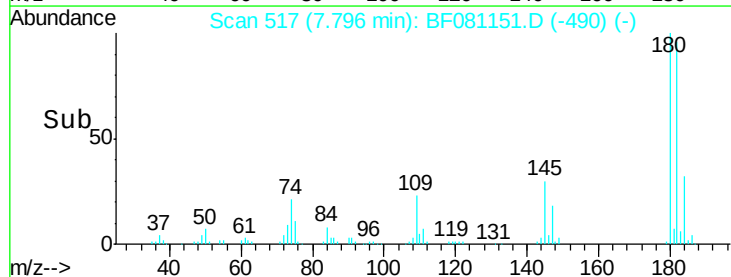
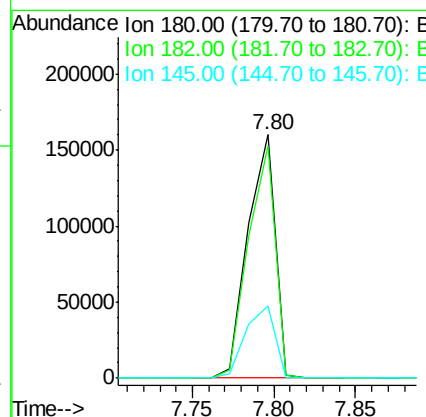
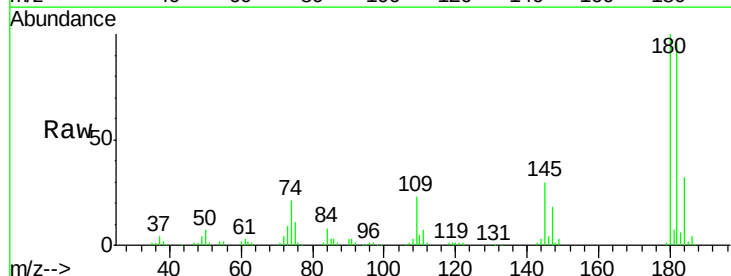
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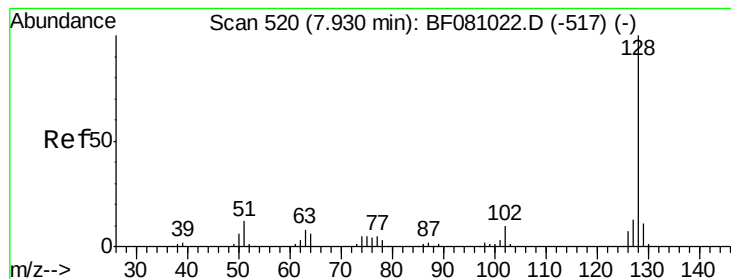
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#30
 1,2,4-Trichlorobenzene
 Concen: 49.48 ng
 RT: 7.80 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.5	76.4	114.6
145	29.7	25.4	38.2





#31

Naphthalene

Concen: 43.65 ng

RT: 7.86 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

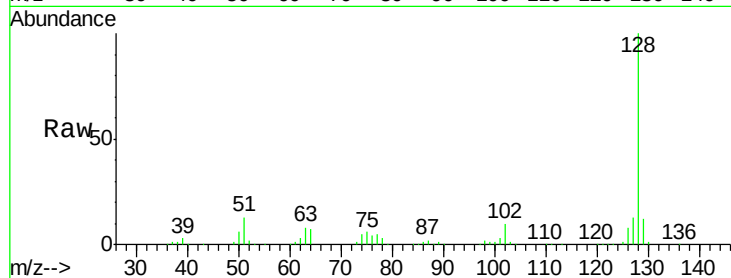
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

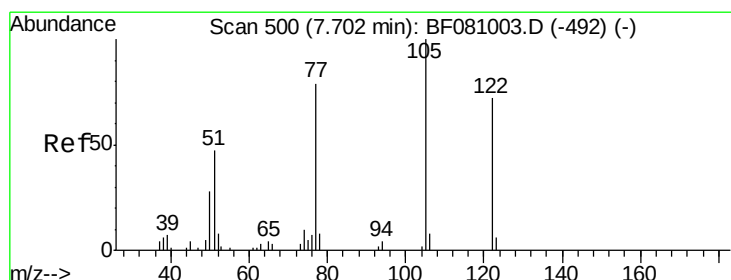
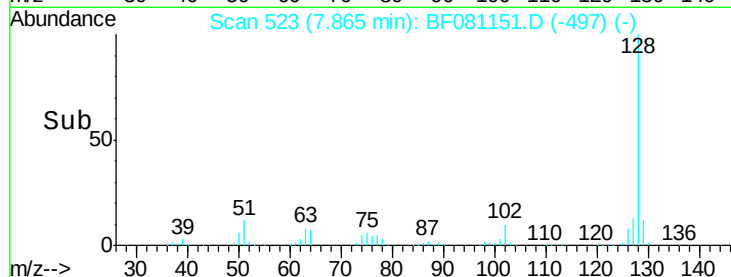
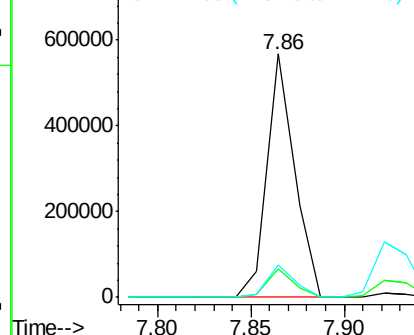
Tgt Ion:	128	Resp:	578840
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.4	12.6
127	13.4	10.6	16.0

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



#32

Benzoic acid

Concen: 8.56 ng

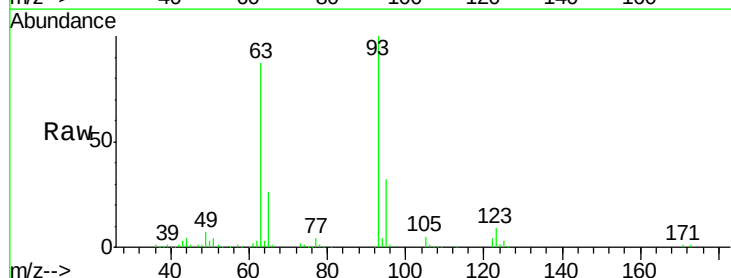
RT: 7.61 min Scan# 501

Delta R.T. -0.03 min

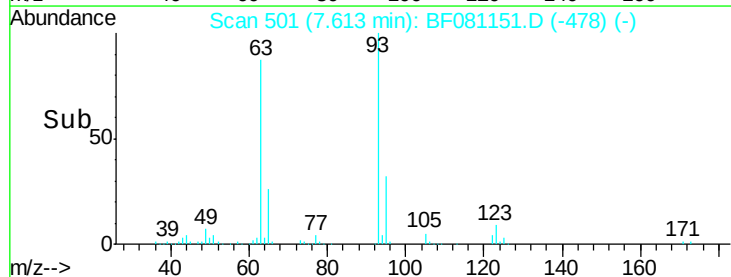
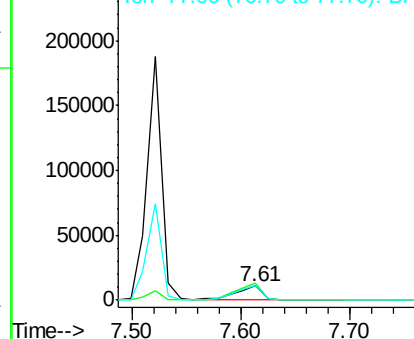
Lab File: BF081151.D

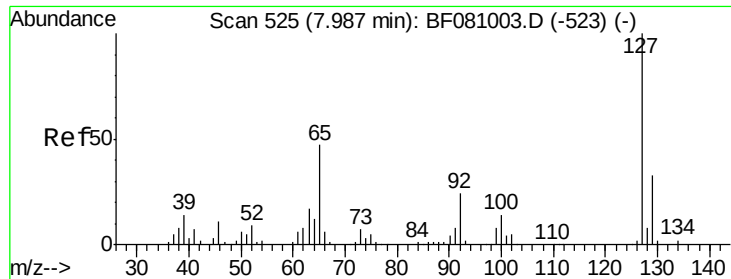
Acq: 21 Aug 2015 18:11

Tgt Ion:	122	Resp:	19283
Ion Ratio	Lower	Upper	
122	100		
105	123.5	113.8	153.8
77	103.6	93.8	133.8



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





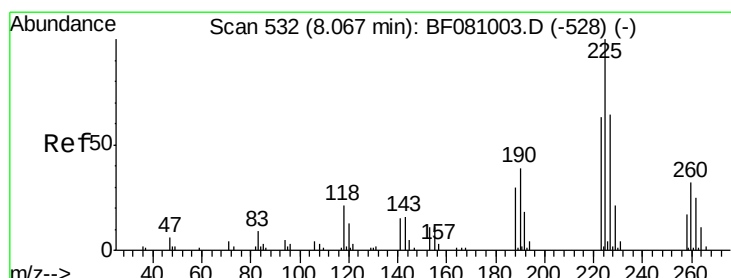
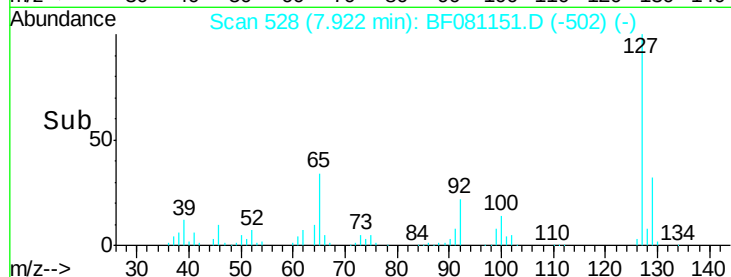
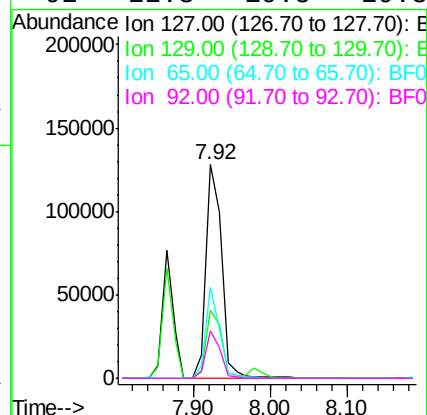
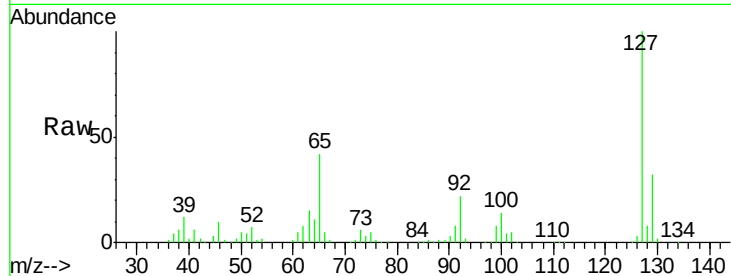
#33
4-Chloroaniline
Concen: 32.01 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	179100		
129	31.7	25.2	37.8	
65	42.4	37.8	56.6	
92	22.3	19.5	29.3	

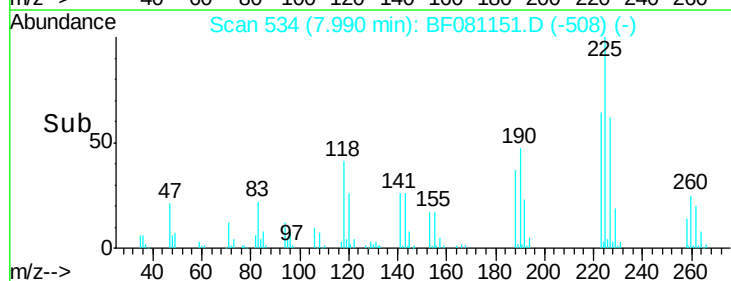
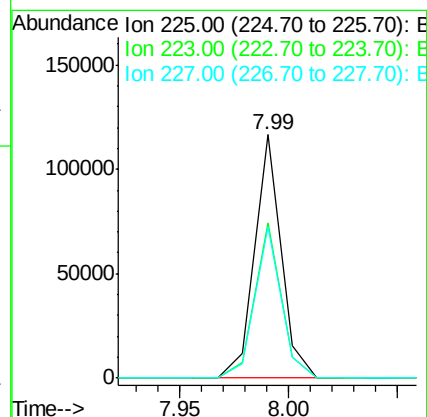
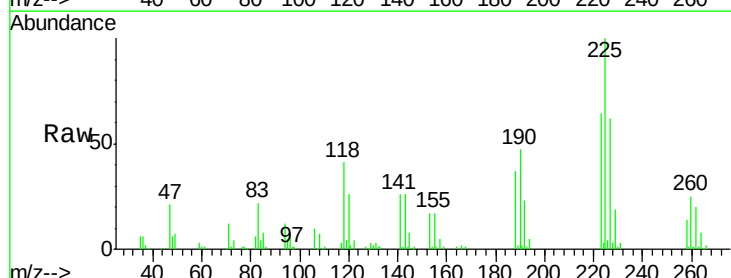
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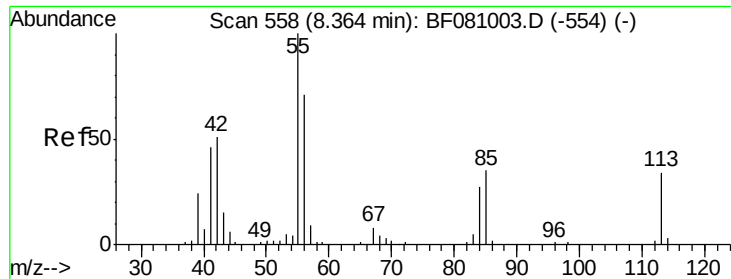
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#34
Hexachlorobutadiene
Concen: 46.57 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98717		
223	63.7	52.6	79.0	
227	62.1	51.1	76.7	





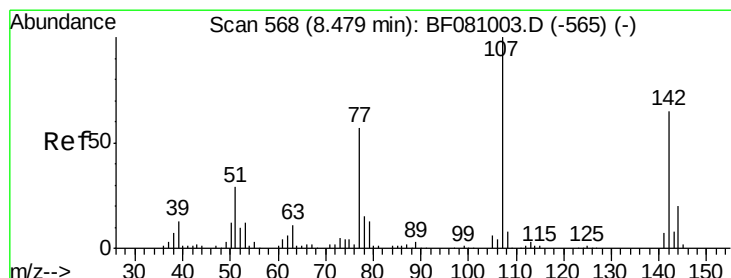
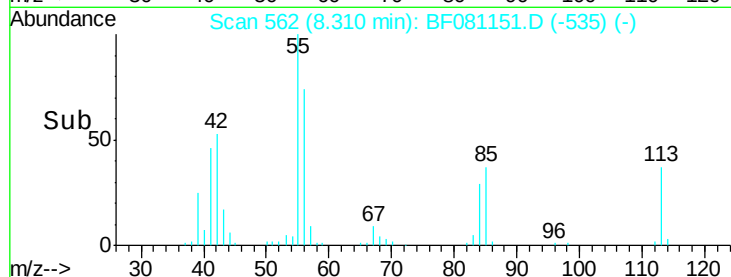
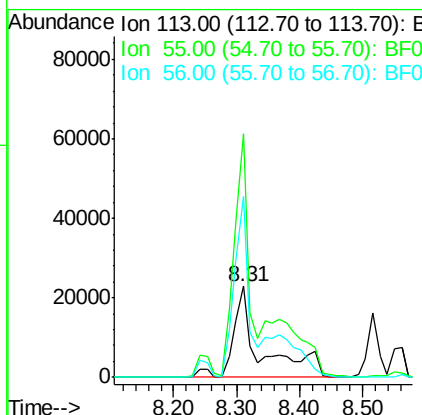
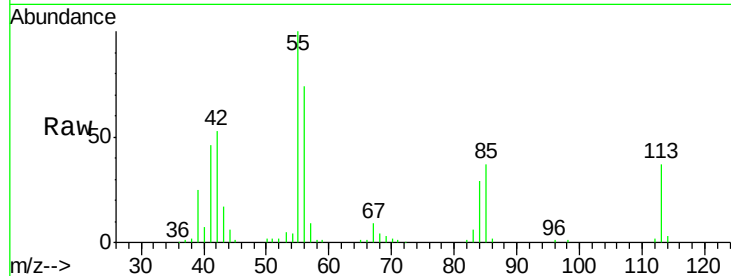
#35
 Caprolactam
 Concen: 57.50 ng m
 RT: 8.31 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion:113 Resp: 67779
 Ion Ratio Lower Upper
 113 100
 55 267.6 280.4 320.4#
 56 199.1 205.9 245.9#

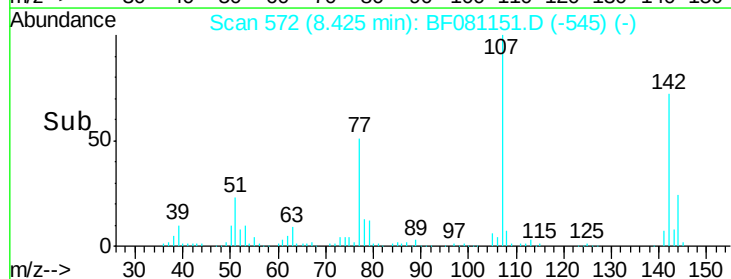
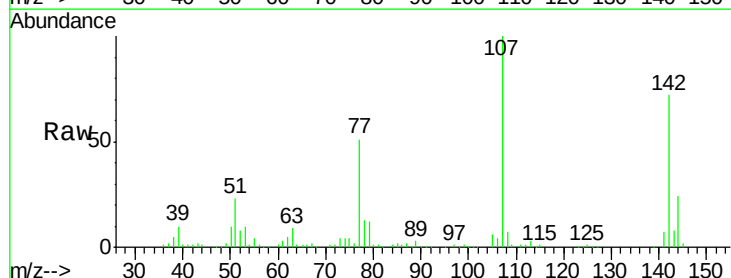
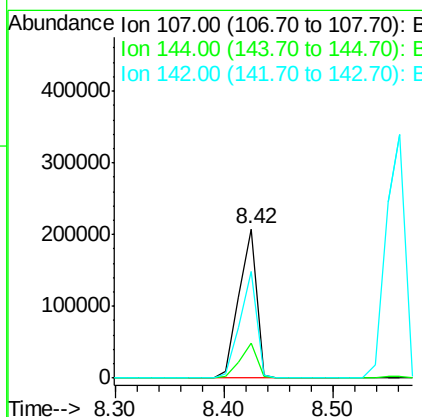
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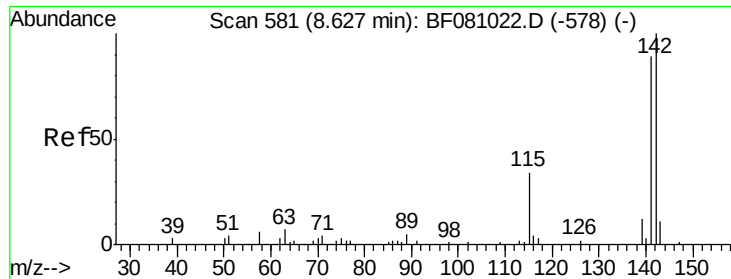
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#36
 4-Chloro-3-methylphenol
 Concen: 57.66 ng
 RT: 8.42 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion:107 Resp: 231747
 Ion Ratio Lower Upper
 107 100
 144 23.5 17.2 25.8
 142 72.0 54.9 82.3





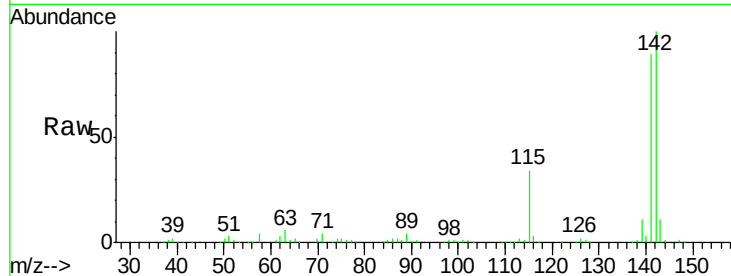
#37
 2-Methylnaphthalene
 Concen: 49.56 ng
 RT: 8.56 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

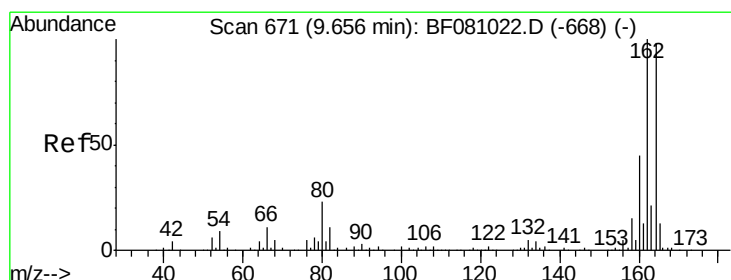
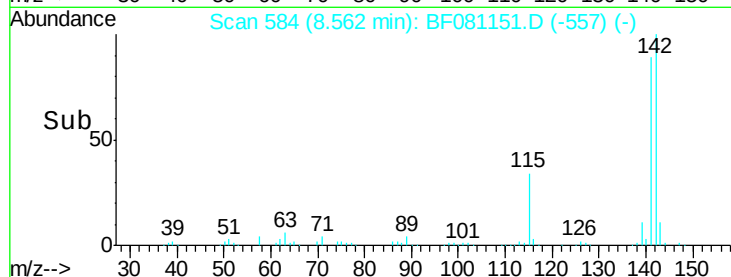
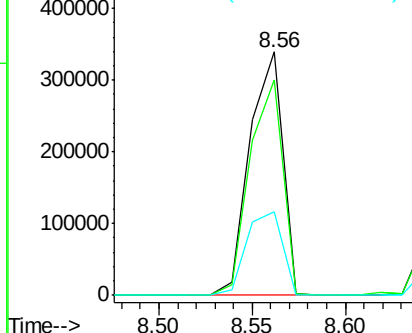
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	415110		
141	88.6	71.4	107.2	
115	34.3	33.4	50.0	

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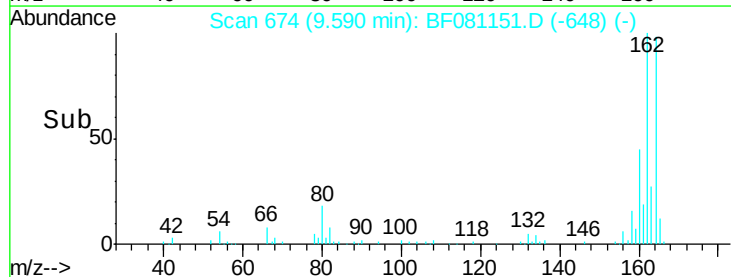
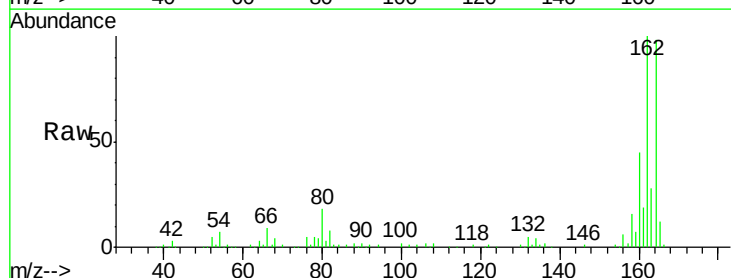
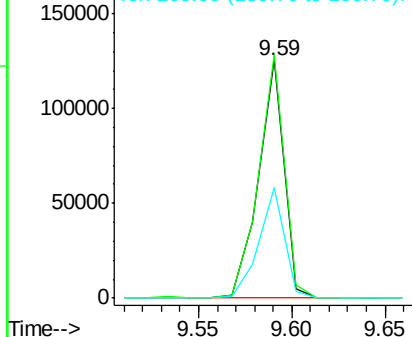
Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

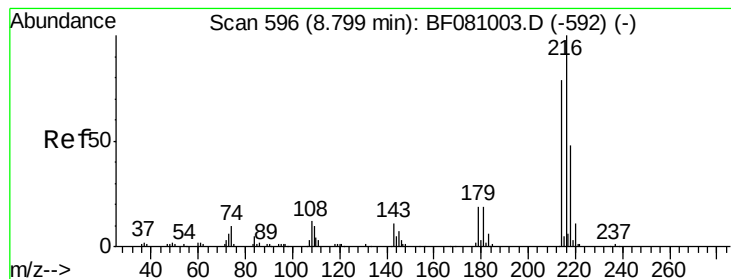


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118267		
162	102.3	83.8	125.8	
160	46.3	39.8	59.8	

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.62 ng

RT: 8.72 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

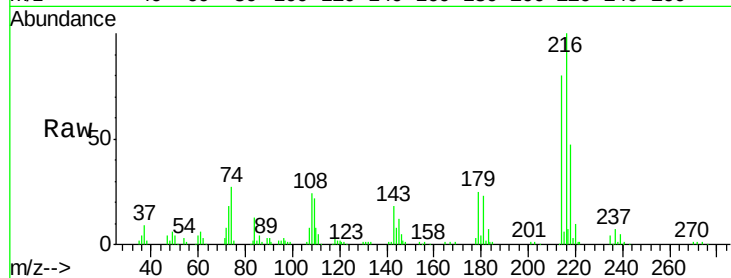
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

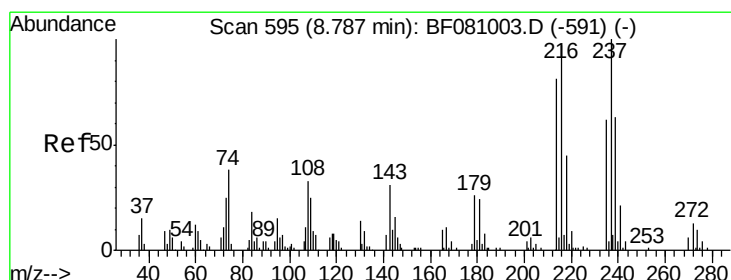
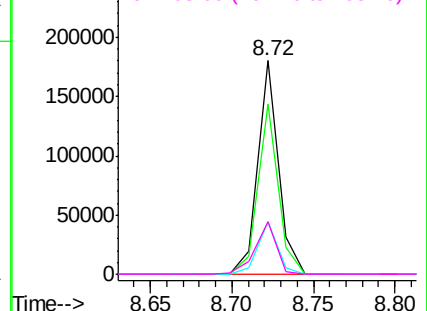
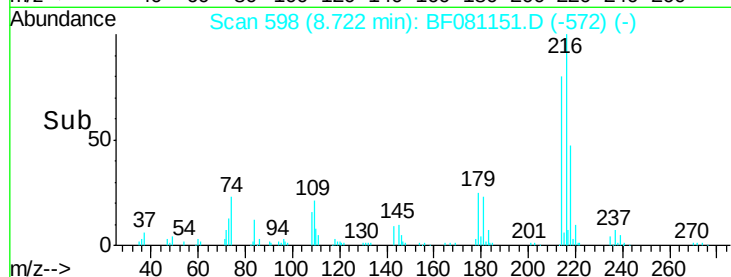
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Tgt Ion	Ratio	Resp	Lower	Upper
216	100	158806		
214	79.1	63.8	95.8	
179	23.7	17.8	26.8	
108	24.8	16.2	24.2	



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 39.26 ng

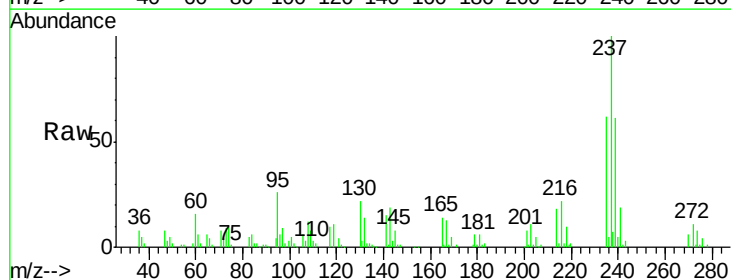
RT: 8.71 min Scan# 597

Delta R.T. -0.00 min

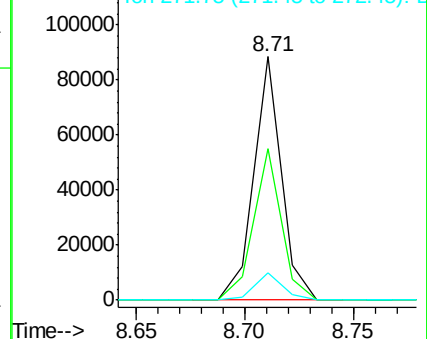
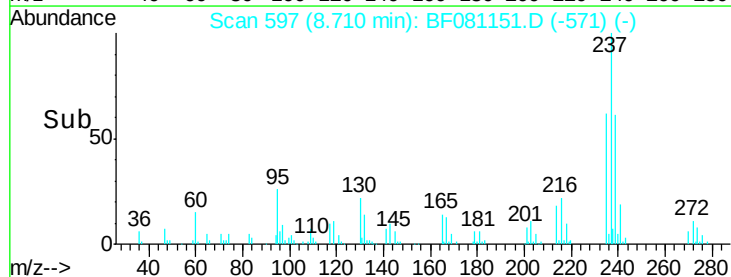
Lab File: BF081151.D

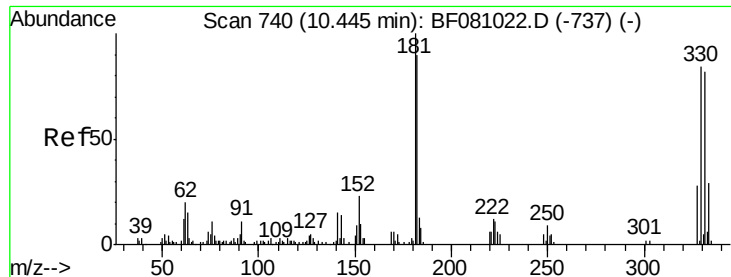
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	77539		
235	62.0	43.6	83.6	
272	11.0	0.0	32.2	



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 151.26 ng

RT: 10.38 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF081151.D

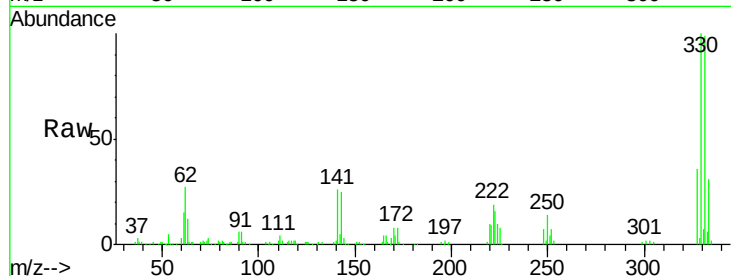
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

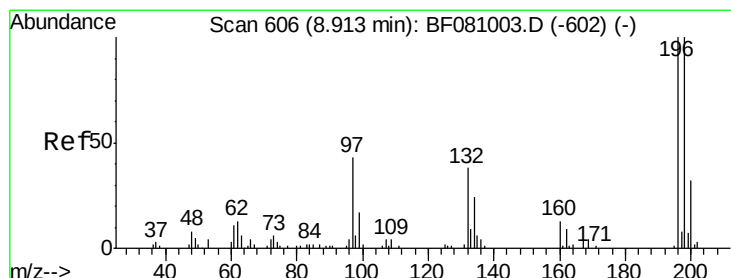
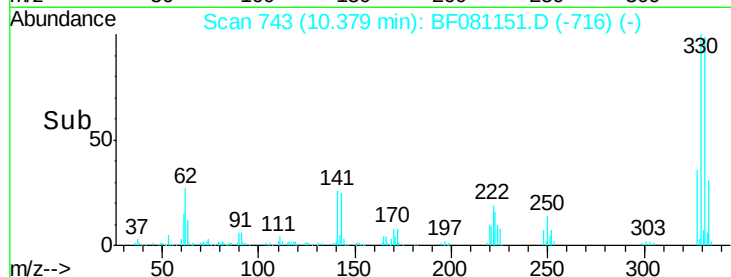
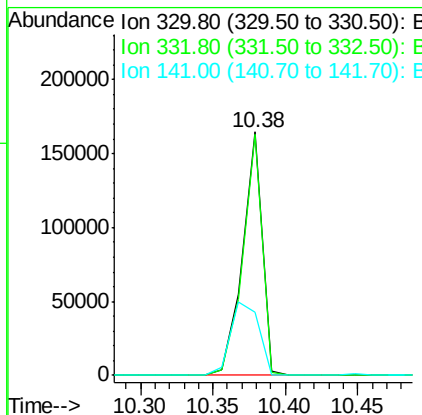
VITALE-FILL-SOURCE-1AMSD



Tgt Ion:	330	Resp:	155071
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.3	115.9
141	43.9	44.9	67.3#

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#42

2,4,6-Trichlorophenol

Concen: 43.51 ng

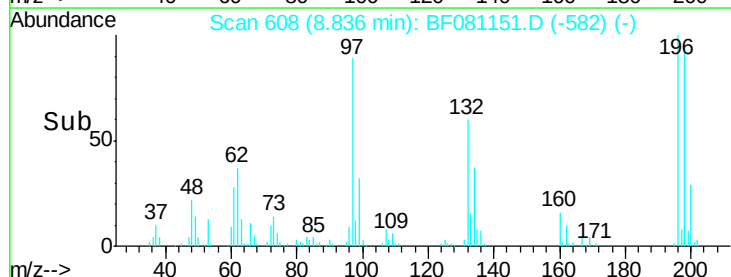
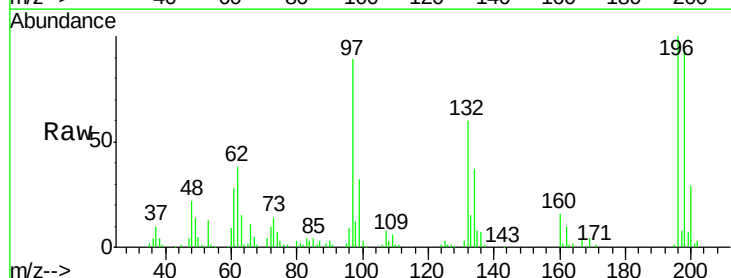
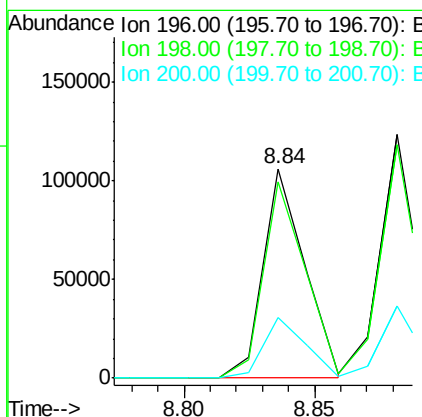
RT: 8.84 min Scan# 608

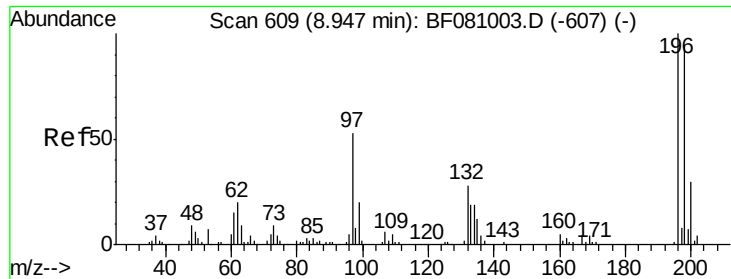
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	196	Resp:	117279
Ion Ratio	Lower	Upper	
196	100		
198	93.7	74.6	111.8
200	28.7	22.7	34.1





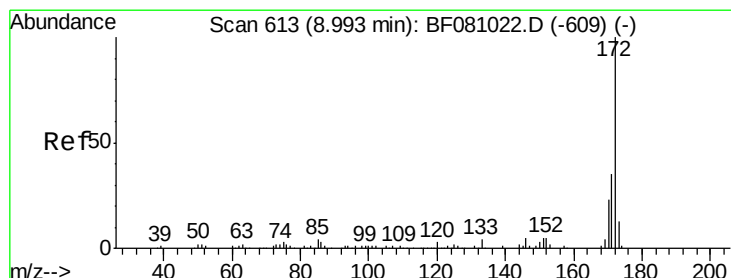
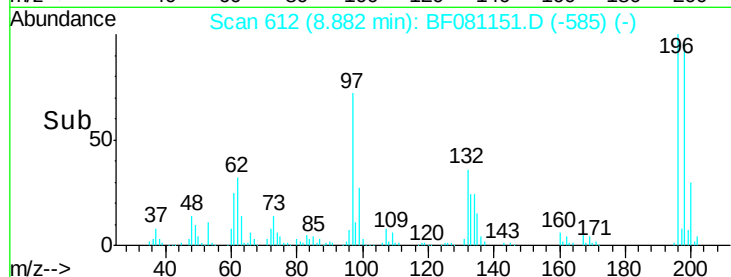
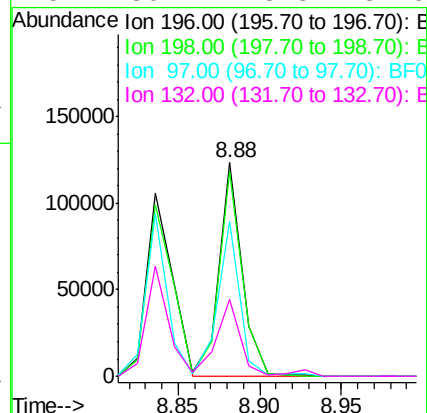
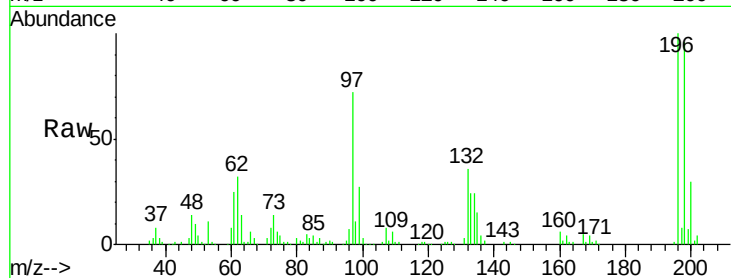
#43
 2,4,5-Trichlorophenol
 Concen: 44.77 ng
 RT: 8.88 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		120612		
198	95.9	78.3	117.5		
97	72.4	42.7	64.1#		
132	36.2	23.3	34.9#		

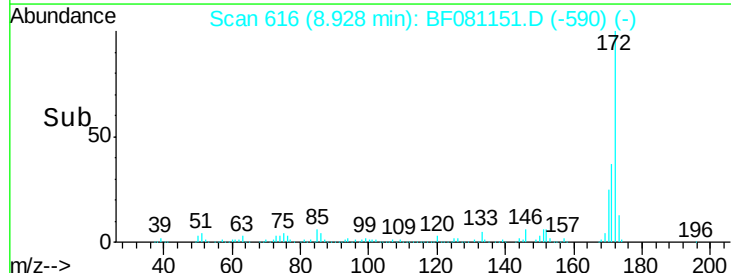
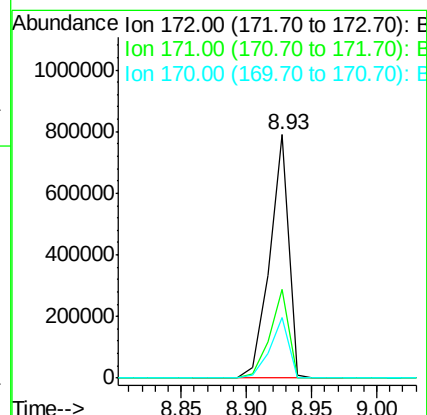
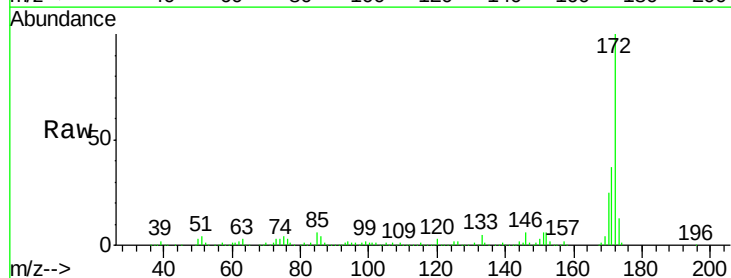
Manual Integrations
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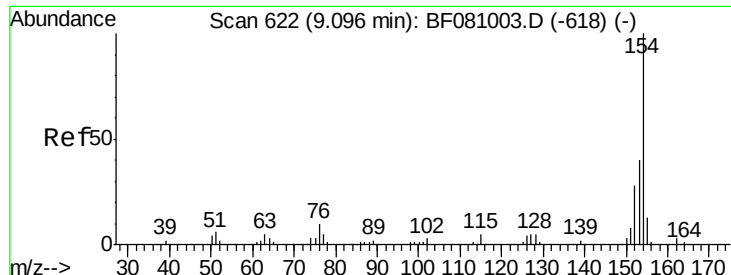
MMDadoda
 8/24/2015 11:23:47 AM



#44
 2-Fluorobiphenyl
 Concen: 88.65 ng
 RT: 8.93 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		800197		
171	36.7	28.9	43.3		
170	24.6	19.4	29.2		





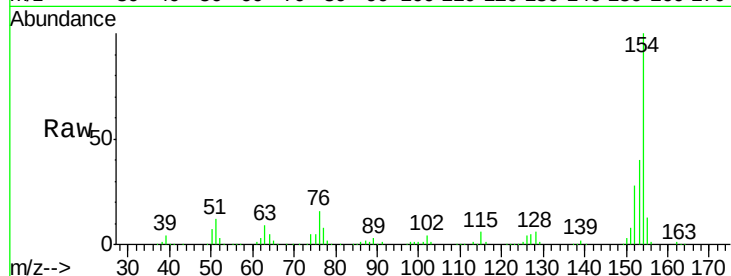
#45
 1,1'-Biphenyl
 Concen: 42.19 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

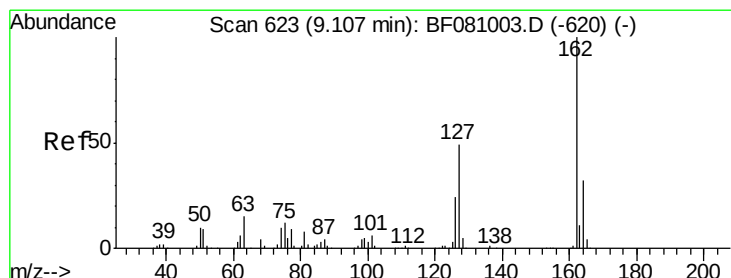
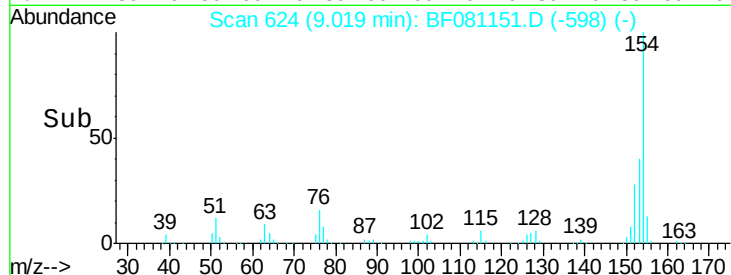
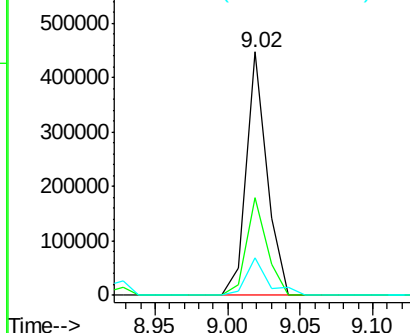
Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	40.1	19.5	59.5
76	15.6	0.0	29.3

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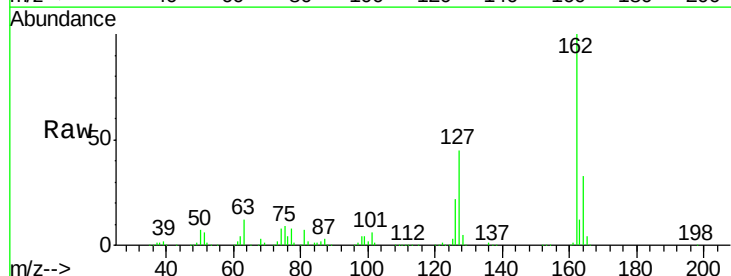


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

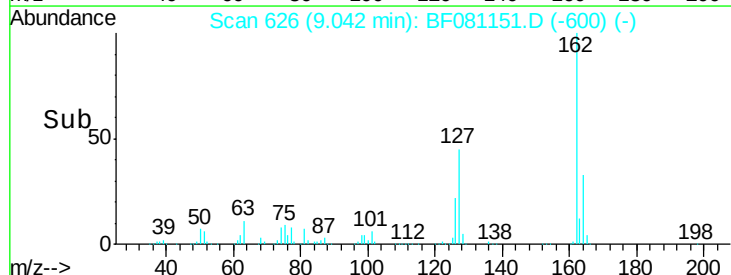
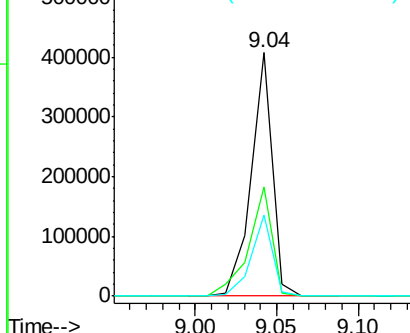


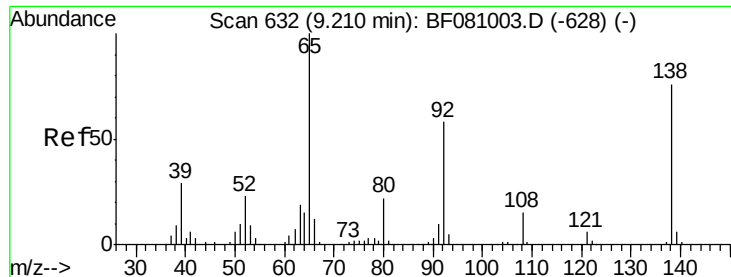
#46
 2-Chloronaphthalene
 Concen: 43.86 ng
 RT: 9.04 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	45.0	31.3	46.9
164	33.1	26.3	39.5



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: 51.48 ng

RT: 9.14 min Scan# 635

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

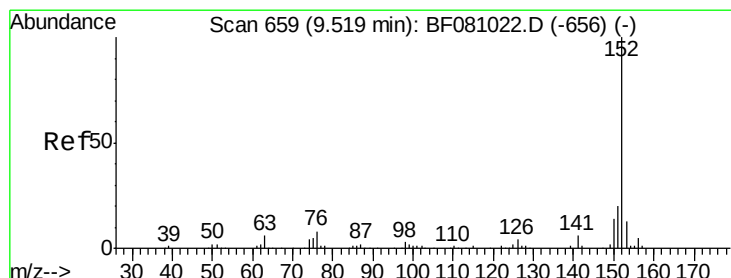
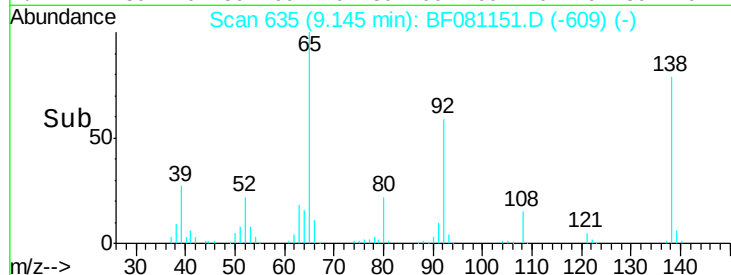
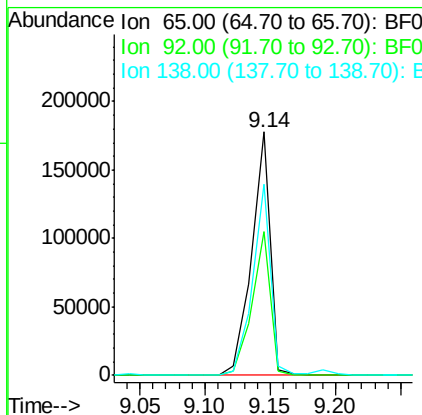
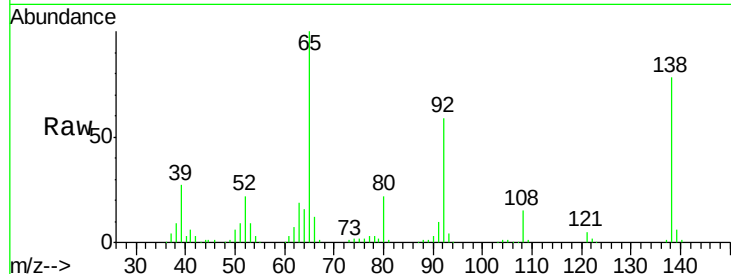
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	65	Resp:	176320
Ion Ratio	Lower	Upper	
65	100		
92	58.9	45.6	68.4
138	78.5	57.9	86.9

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#48

Acenaphthylene

Concen: 42.79 ng

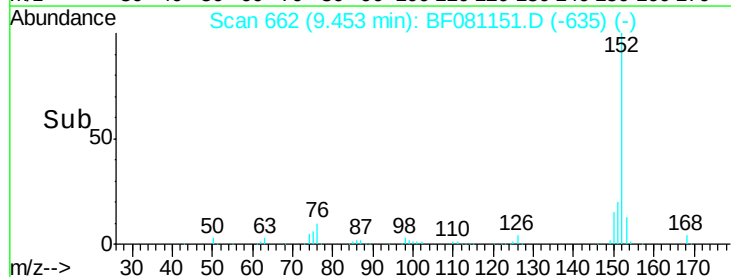
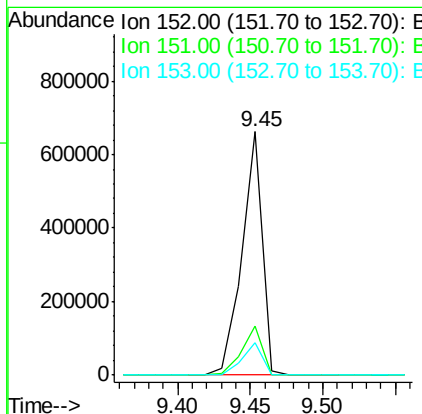
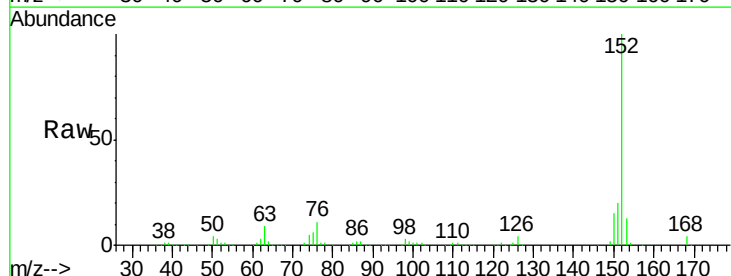
RT: 9.45 min Scan# 662

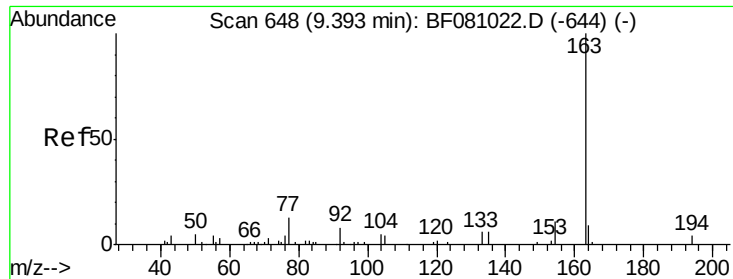
Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	152	Resp:	640567
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.1	24.1
153	13.2	9.8	14.6





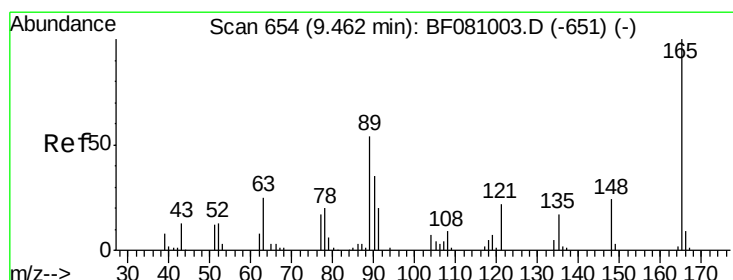
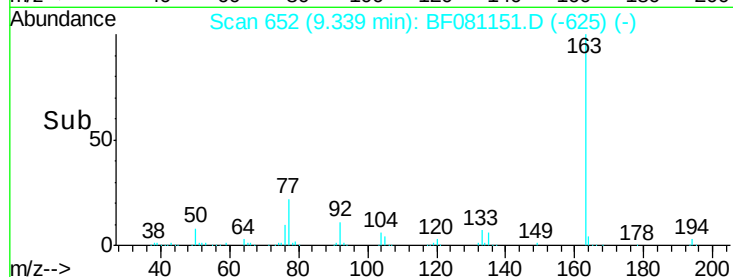
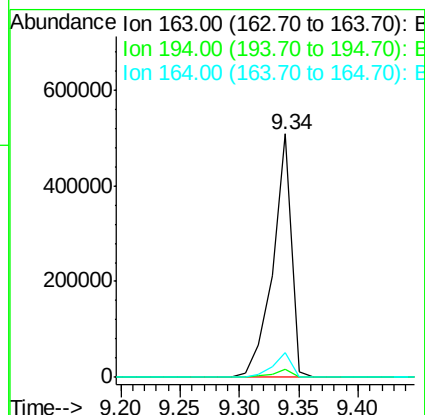
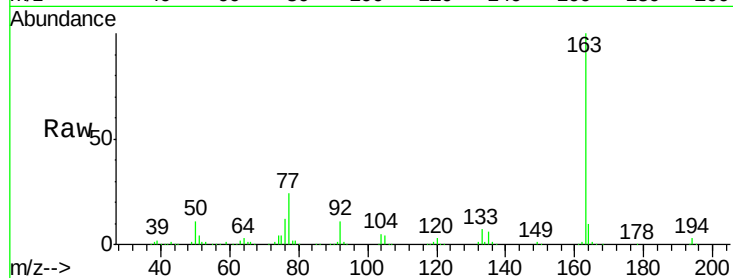
#49
Dimethylphthalate
Concen: 56.86 ng
RT: 9.34 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.5	3.7
164	10.0	8.1	12.1

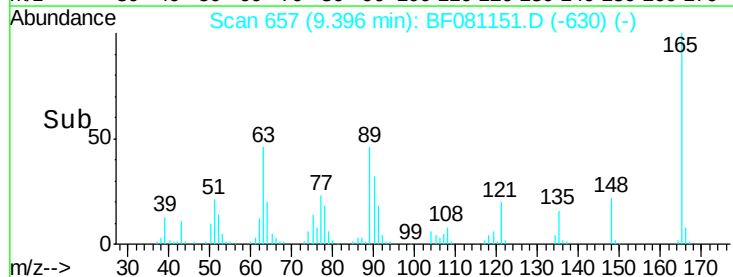
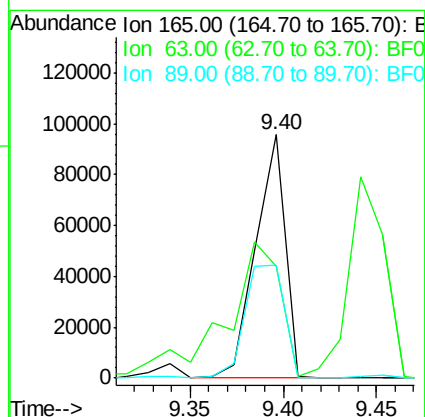
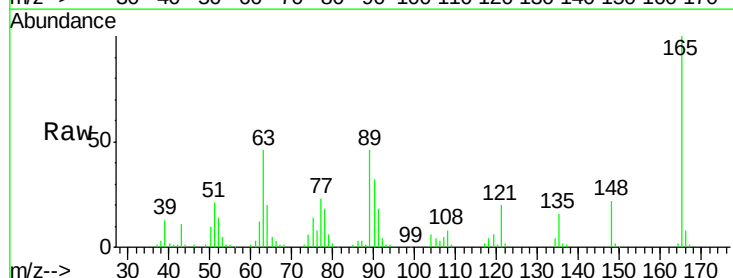
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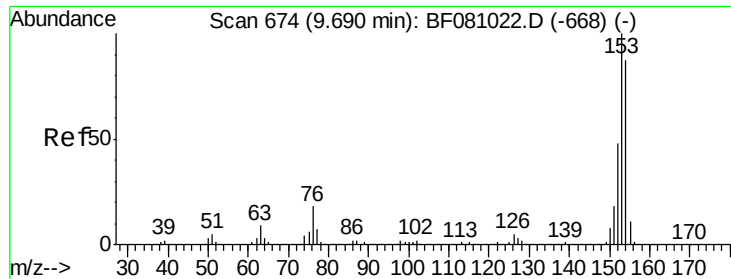
MMDadoda
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#50
2,6-Dinitrotoluene
Concen: 49.93 ng
RT: 9.40 min Scan# 657
Delta R.T. 0.01 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	45.7	49.5	74.3#
89	46.3	47.6	71.4#





#51

Acenaphthene

Concen: 42.20 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF081151.D

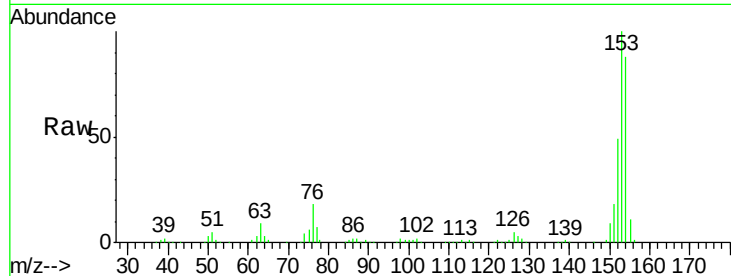
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

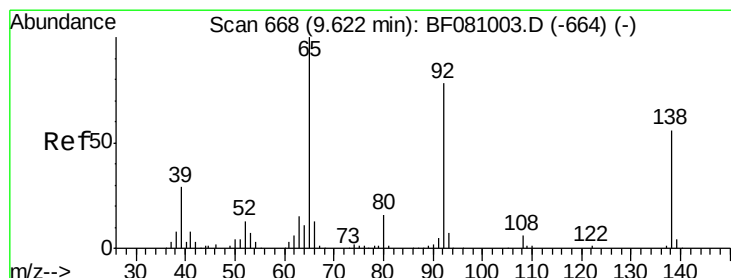
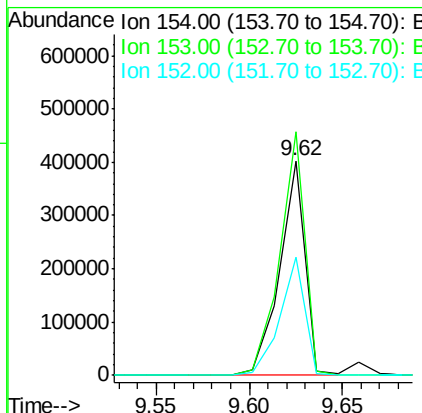
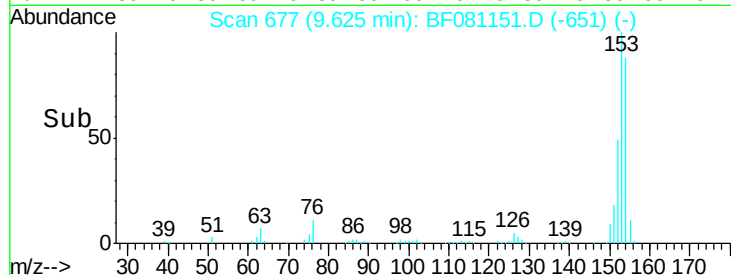
VITALE-FILL-SOURCE-1AMSD



Tgt Ion:	154	Resp:	378219
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.4	137.2
152	55.1	43.7	65.5

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#52

3-Nitroaniline

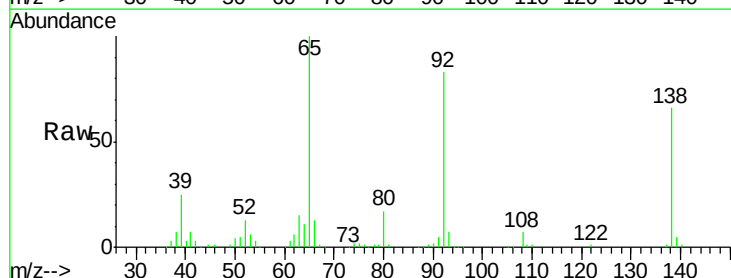
Concen: 36.43 ng

RT: 9.56 min Scan# 671

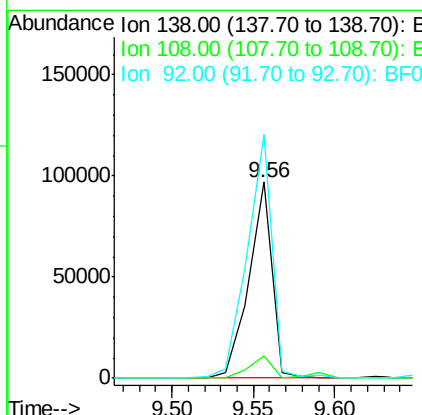
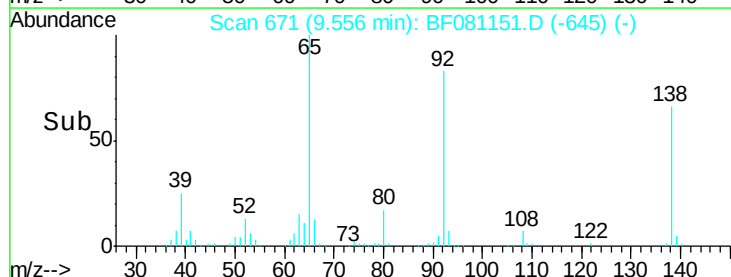
Delta R.T. -0.00 min

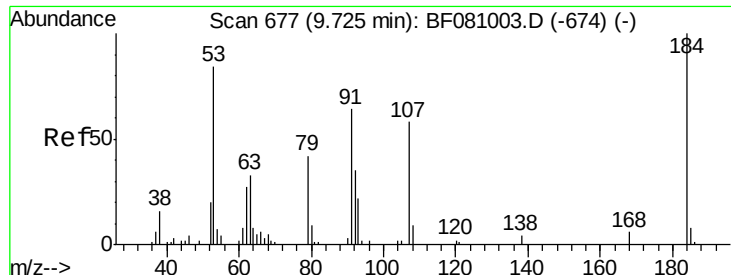
Lab File: BF081151.D

Acq: 21 Aug 2015 18:11



Tgt Ion:	138	Resp:	95337
Ion Ratio	Lower	Upper	
138	100		
108	11.0	9.4	14.2
92	124.4	113.2	169.8





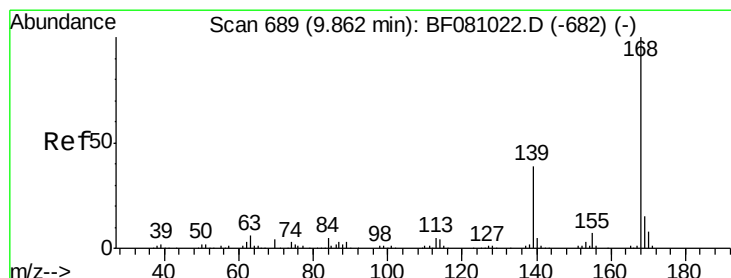
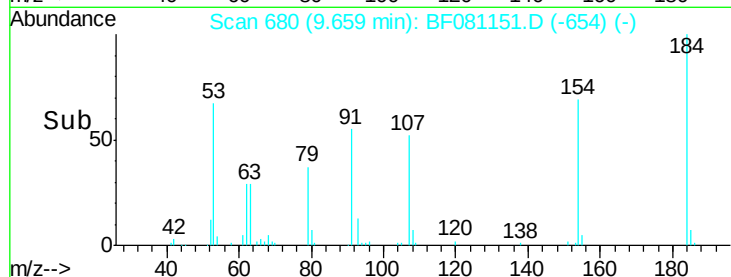
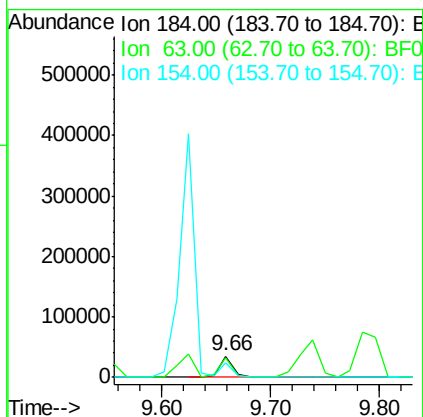
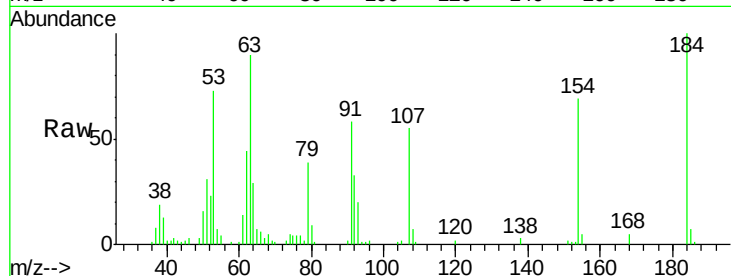
#53
2,4-Dinitrophenol
Concen: 33.05 ng
RT: 9.66 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion:184 Resp: 32368
Ion Ratio Lower Upper
184 100
63 90.3 101.7 152.5#
154 69.2 67.4 101.0

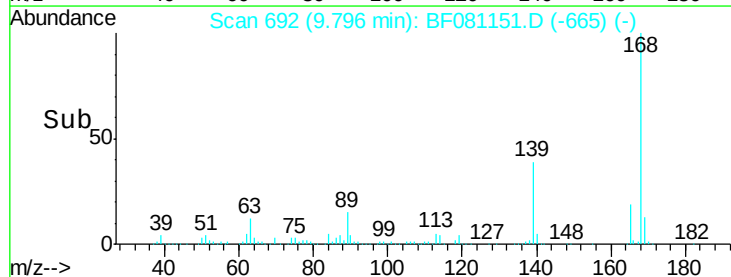
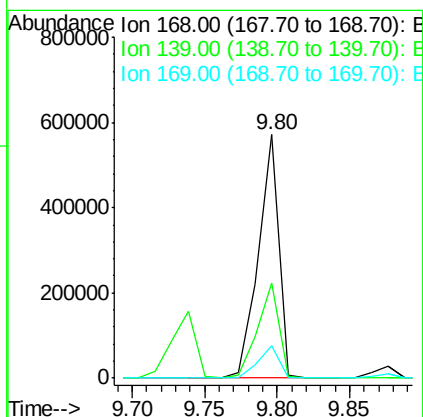
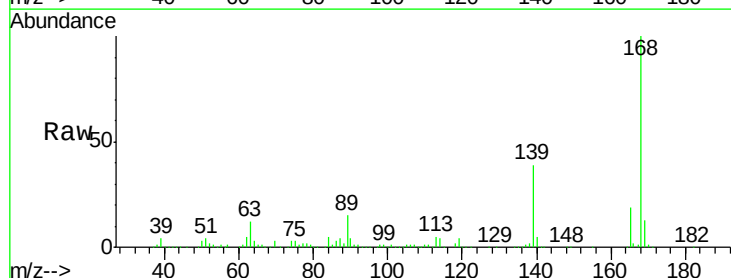
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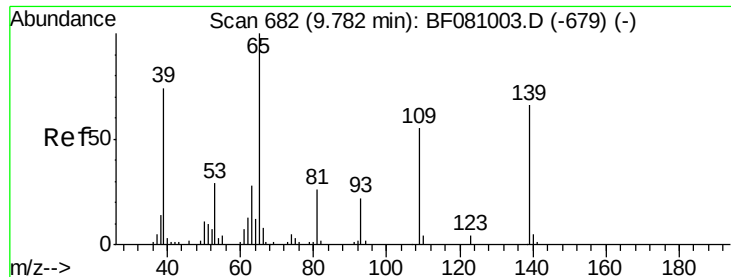
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#54
Dibenzofuran
Concen: 46.48 ng
RT: 9.80 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion:168 Resp: 558208
Ion Ratio Lower Upper
168 100
139 39.1 29.3 43.9
169 13.3 10.3 15.5





#55

4-Nitrophenol

Concen: 99.93 ng

RT: 9.74 min Scan# 687

Delta R.T. 0.02 min

Lab File: BF081151.D

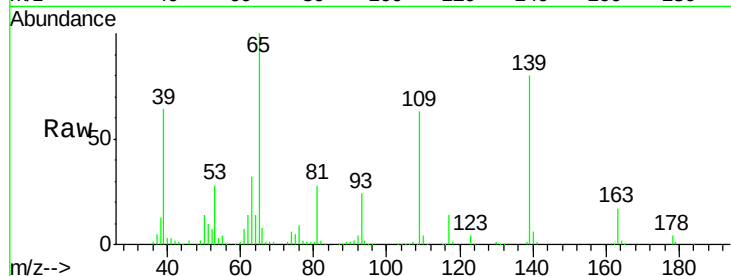
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMSD



Tgt Ion:139 Resp: 183670

Ion Ratio Lower Upper

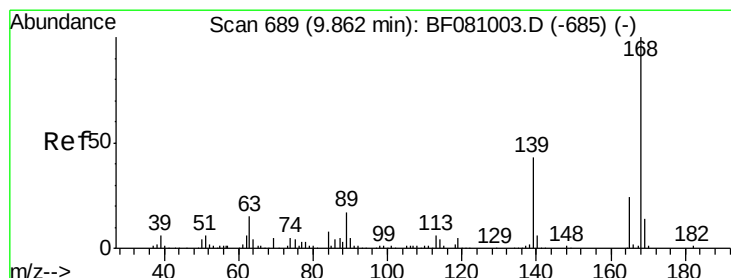
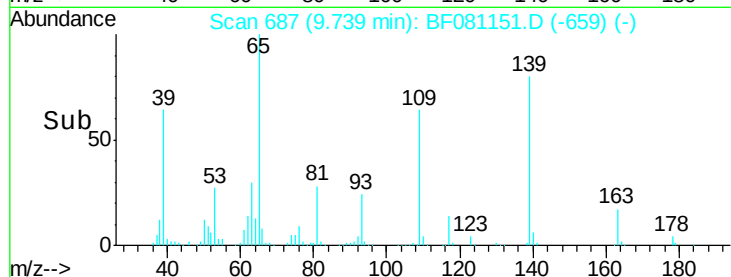
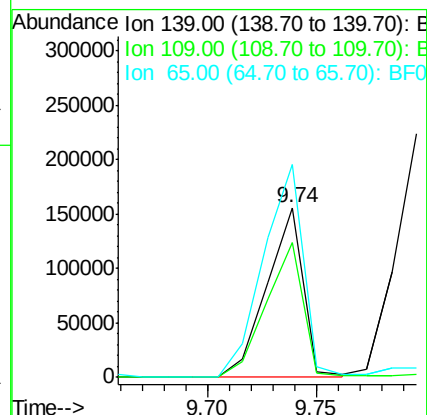
139 100

109 79.7 80.0 120.0#

65 125.7 138.3 178.3#

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#56

2,4-Dinitrotoluene

Concen: 47.63 ng

RT: 9.80 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:165 Resp: 132012

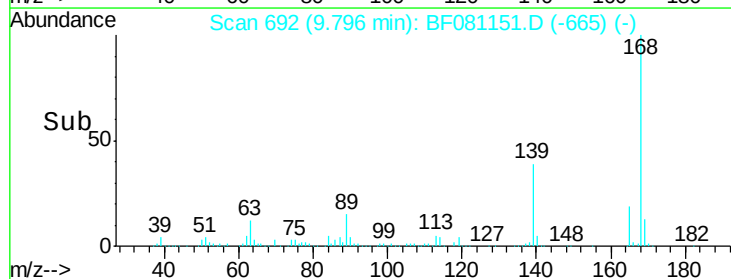
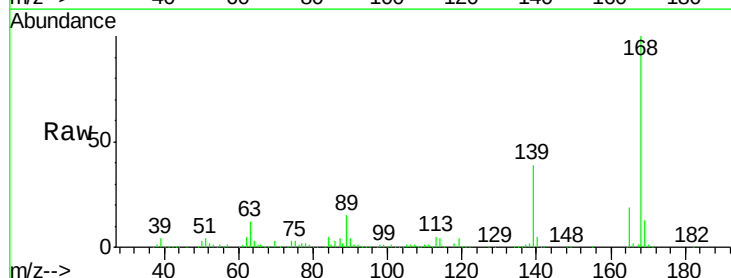
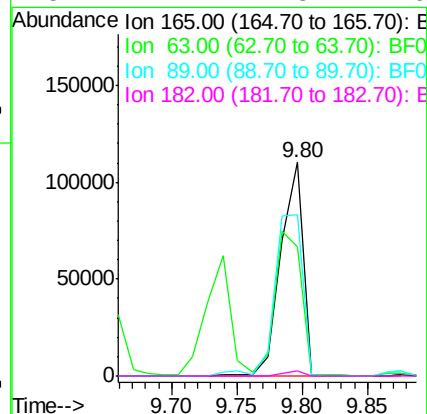
Ion Ratio Lower Upper

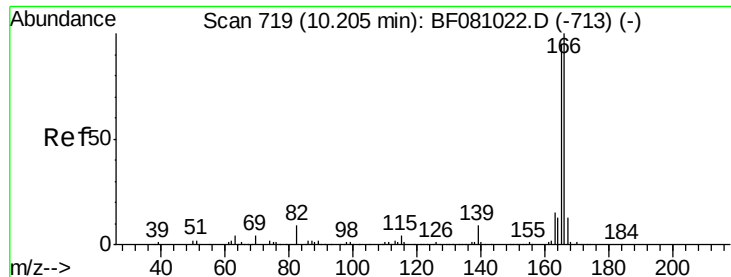
165 100

63 60.5 52.2 78.4

89 75.3 60.1 90.1

182 2.1 1.8 2.6





#57

Fluorene

Concen: 44.59 ng

RT: 10.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

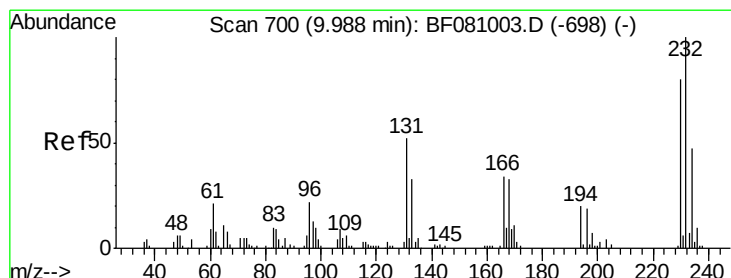
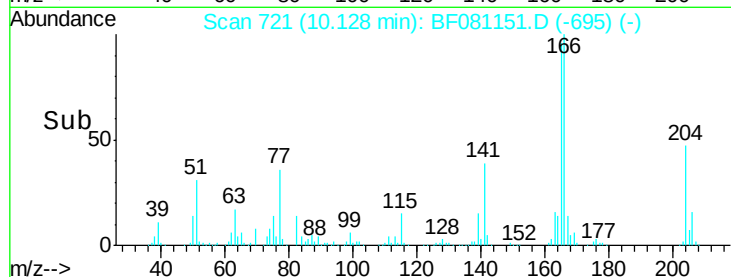
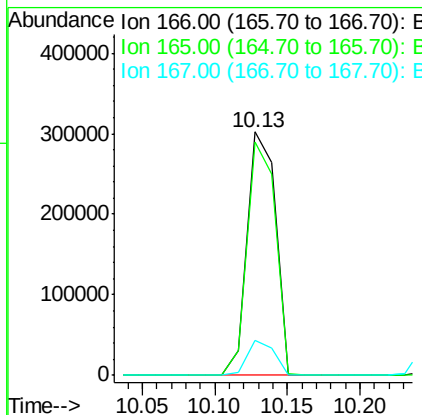
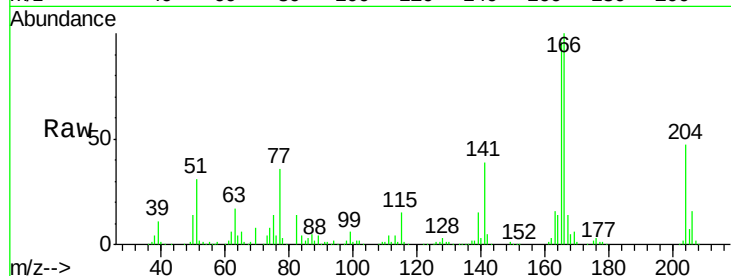
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

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Tgt Ion:	166	Resp:	411946
Ion Ratio	Lower	Upper	
166	100		
165	95.7	75.8	113.8
167	14.5	11.3	16.9



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.13 ng

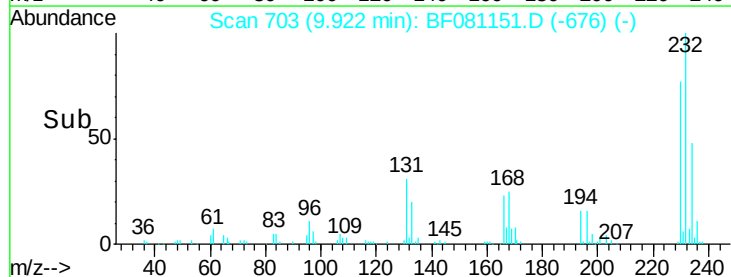
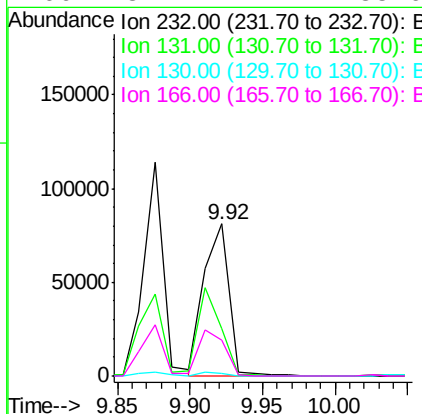
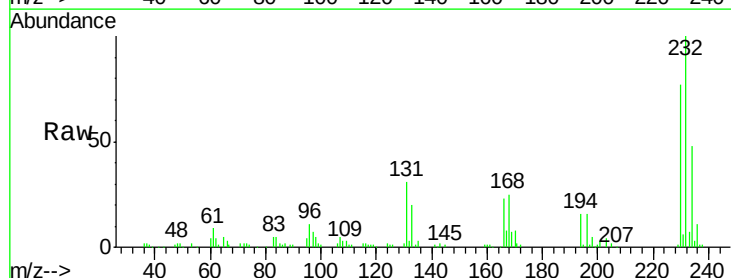
RT: 9.92 min Scan# 703

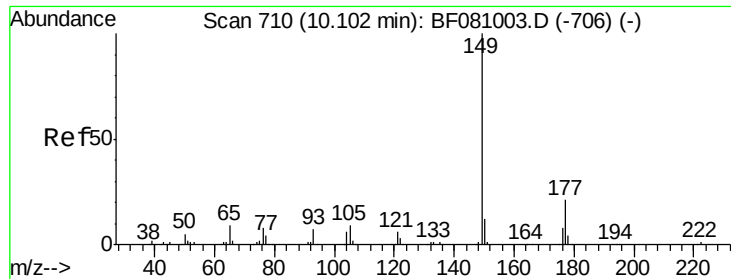
Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	232	Resp:	98277
Ion Ratio	Lower	Upper	
232	100		
131	54.0	42.2	63.4
130	2.5	2.1	3.1
166	31.7	22.4	33.6





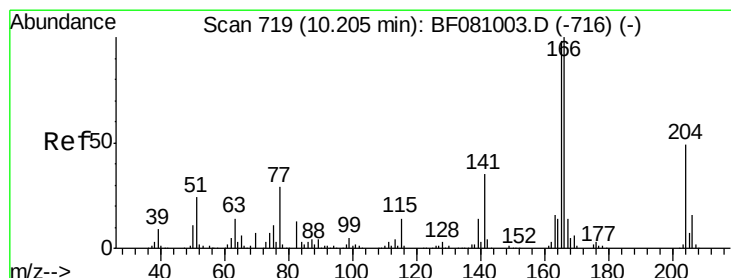
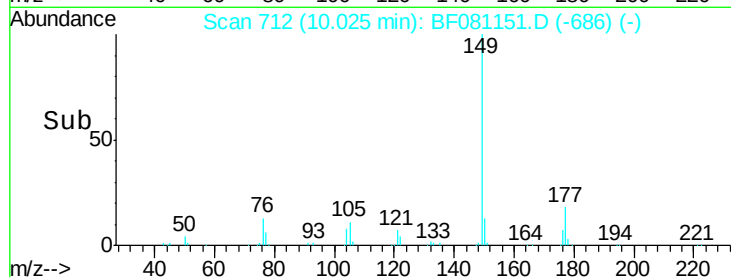
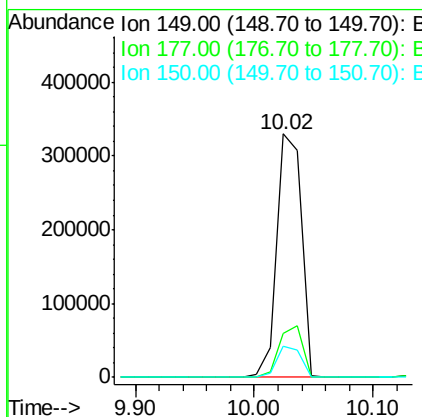
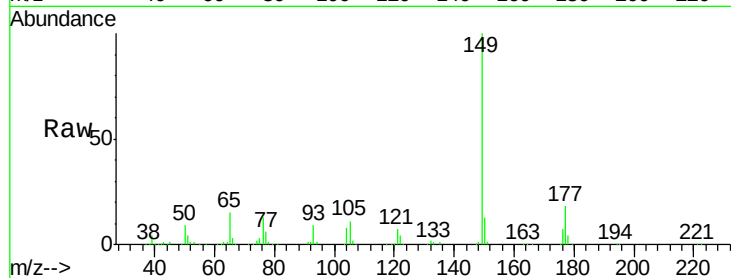
#59
Diethylphthalate
Concen: 45.57 ng
RT: 10.02 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	469753		
177	18.2	14.1	21.1	
150	12.8	10.3	15.5	

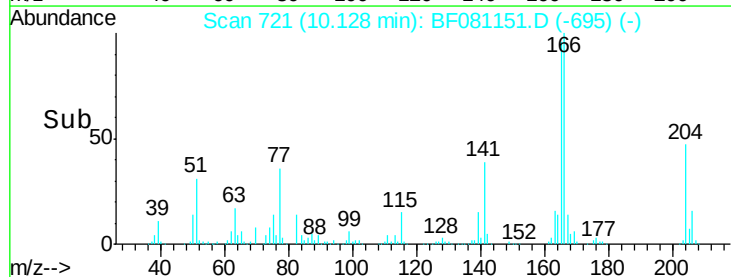
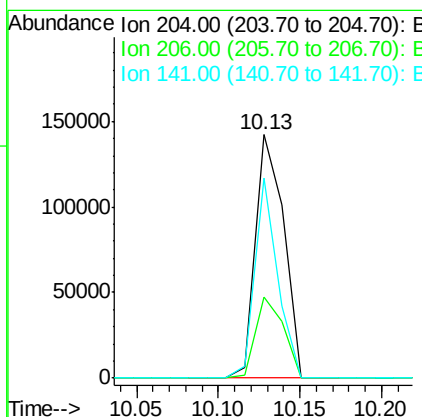
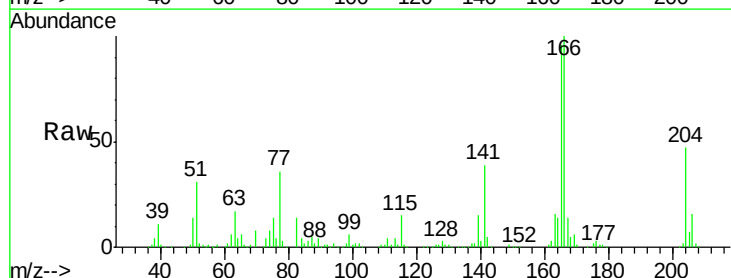
Manual Integrations
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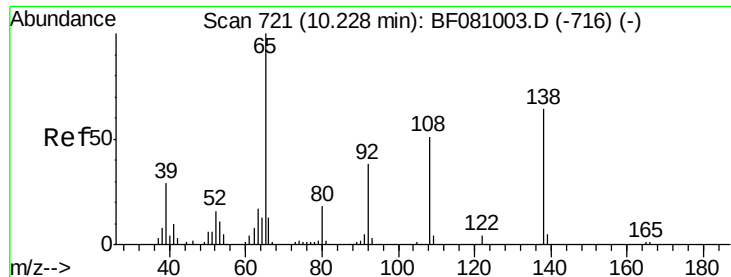
MMDadoda
8/24/2015 11:23:47 AM



#60
4-Chlorophenyl-phenylether
Concen: 44.05 ng
RT: 10.13 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	172221		
206	33.5	26.2	39.2	
141	81.9	59.6	89.4	





#61

4-Nitroaniline

Concen: 40.66 ng

RT: 10.16 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF081151.D

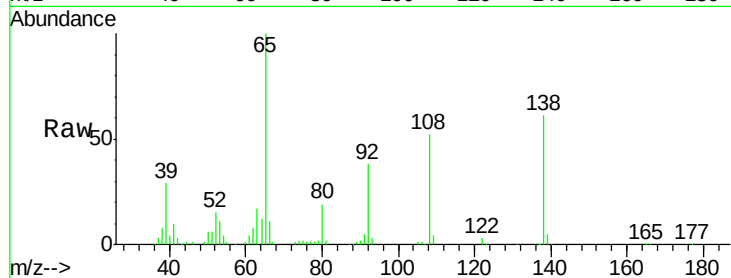
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

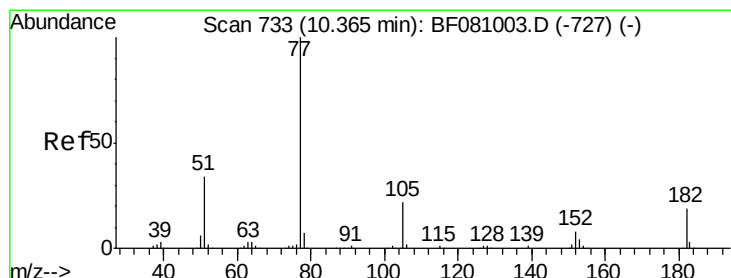
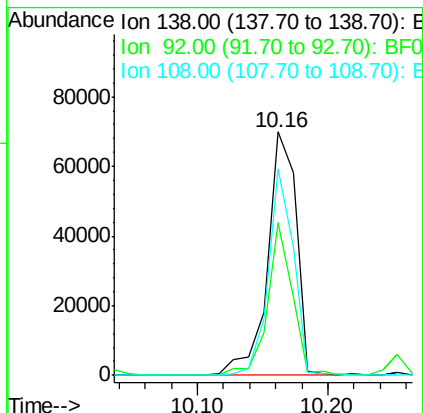
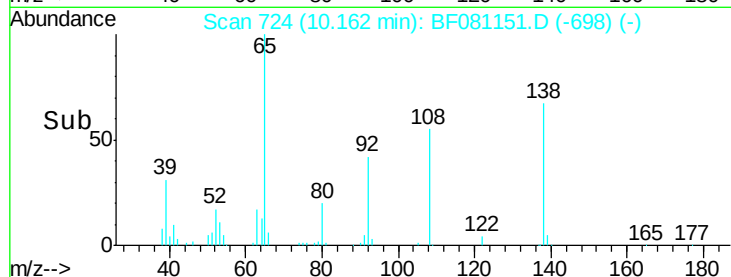
VITALE-FILL-SOURCE-1AMSD



Tgt Ion:	138	Resp:	108756
Ion Ratio	Lower	Upper	
138	100		
92	62.6	34.7	74.7
108	84.8	68.9	108.9

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8/24/2015 11:23:47 AM



#62

Azobenzene

Concen: 43.99 ng

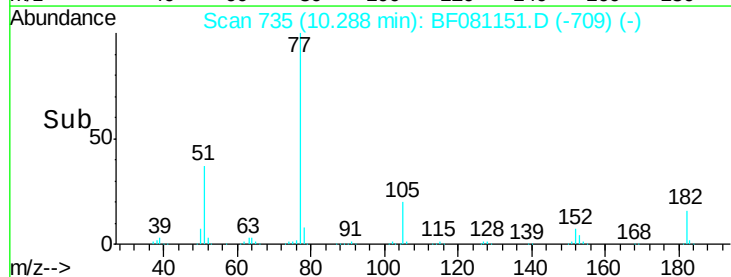
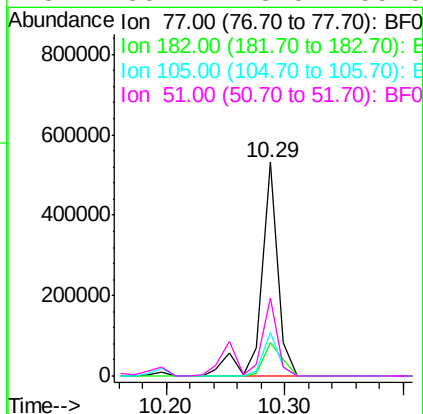
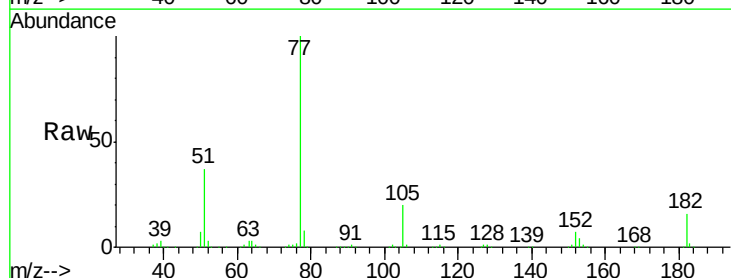
RT: 10.29 min Scan# 735

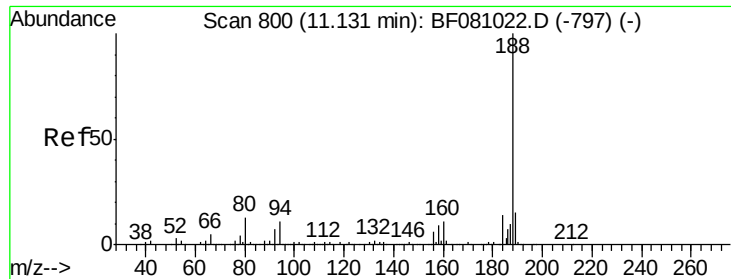
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	77	Resp:	522550
Ion Ratio	Lower	Upper	
77	100		
182	15.7	0.0	39.0
105	20.1	0.2	40.2
51	36.7	18.0	58.0





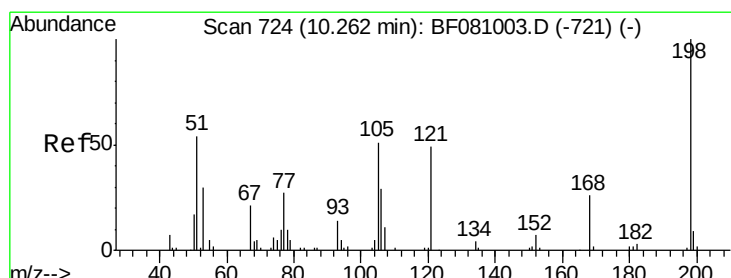
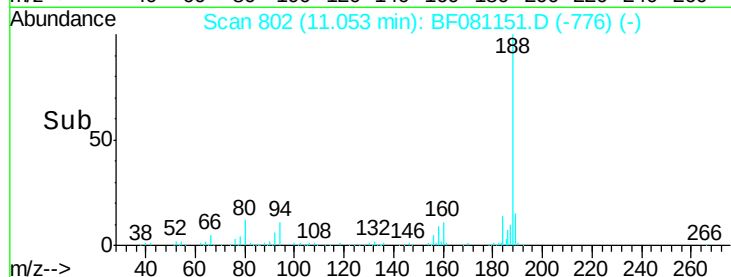
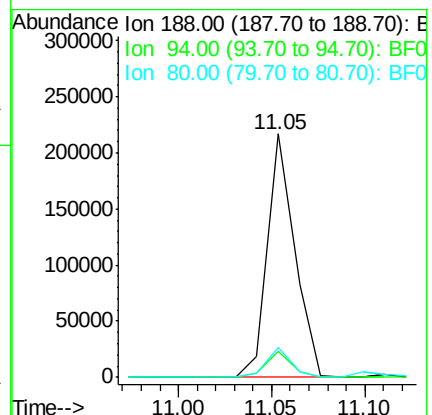
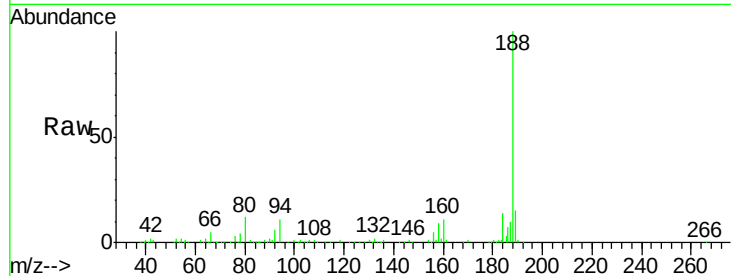
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	8.2	12.2
80	12.4	9.5	14.3

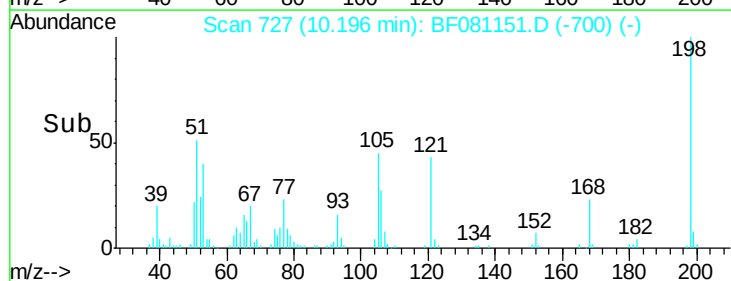
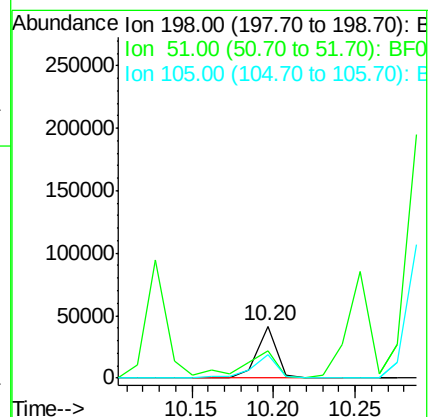
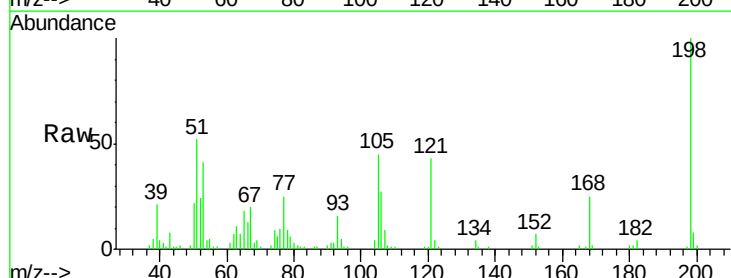
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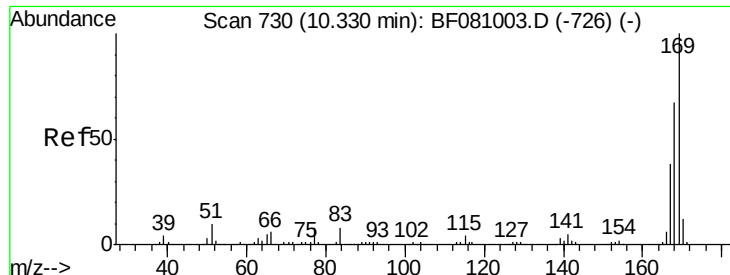
MMDadoda
8/24/2015 11:23:47 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 26.83 ng
RT: 10.20 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	52.4	79.7	119.7#
105	45.4	47.0	87.0#





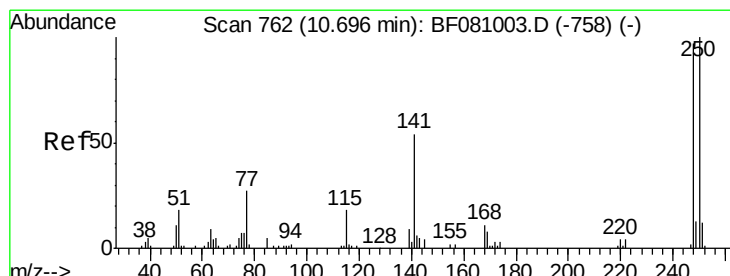
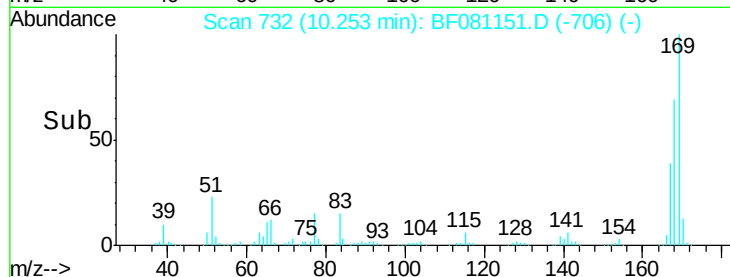
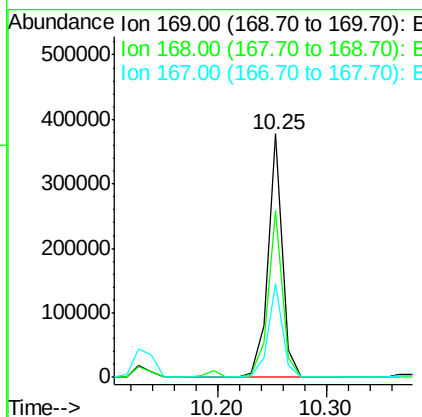
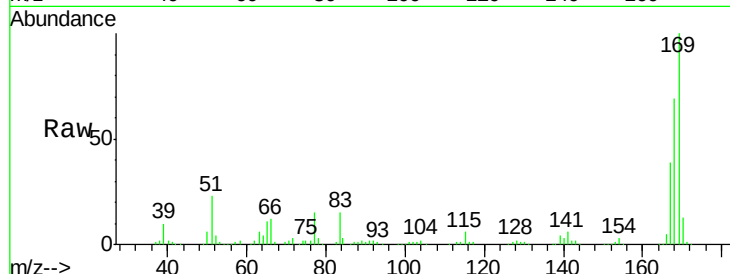
#65
 n-Nitrosodiphenylamine
 Concen: 44.65 ng
 RT: 10.25 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	68.6	55.3	82.9
167	38.5	30.8	46.2

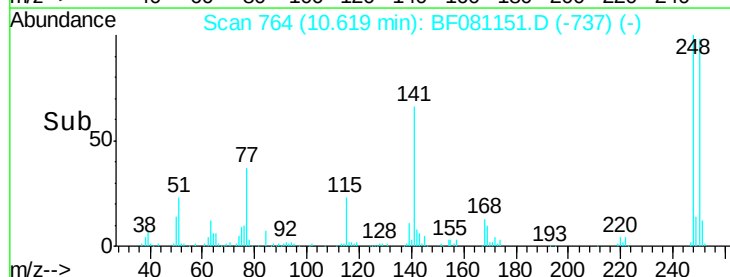
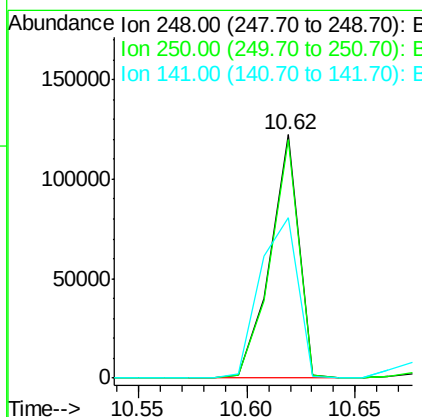
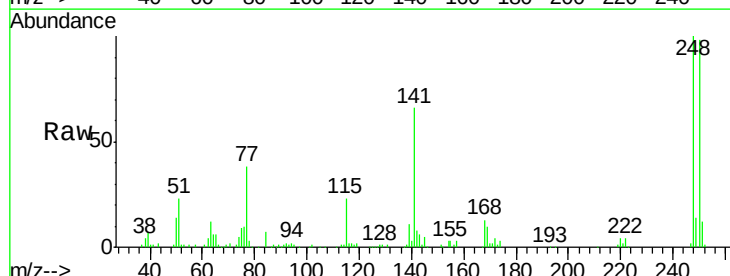
Manual Integrations
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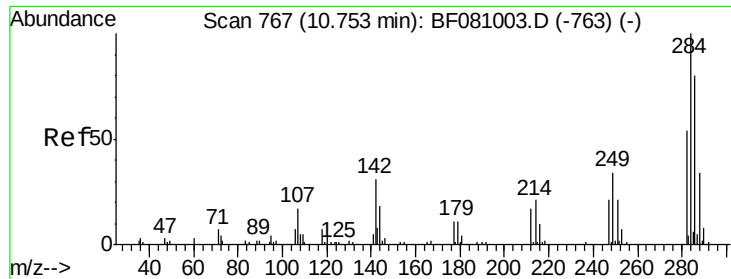
MMDadoda
 8/24/2015 11:23:47 AM



#66
 4-Bromophenyl-phenylether
 Concen: 52.50 ng
 RT: 10.62 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	97.7	77.8	116.6
141	66.1	39.8	59.6





#67

Hexachlorobenzene

Concen: 50.59 ng

RT: 10.68 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF081151.D

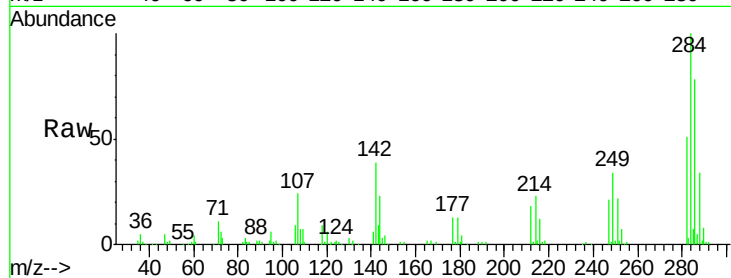
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

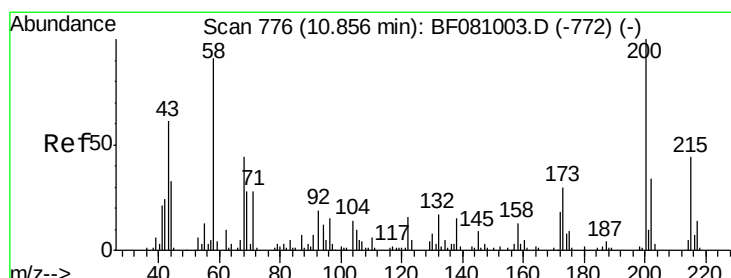
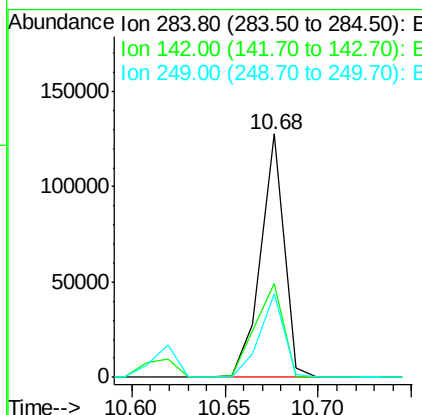
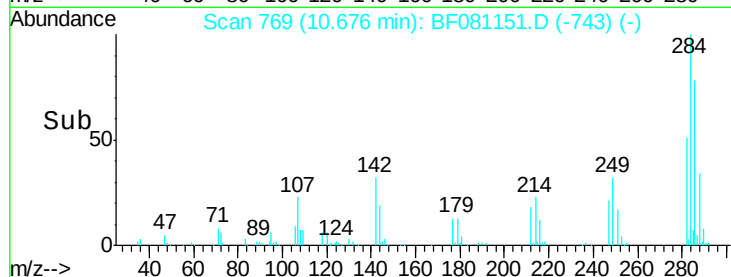
VITALE-FILL-SOURCE-1AMSD



Tgt Ion:	284	Resp:	110610
Ion Ratio	Lower	Upper	
284	100		
142	38.6	25.4	38.0#
249	34.5	28.5	42.7

Manual Integrations
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#68

Atrazine

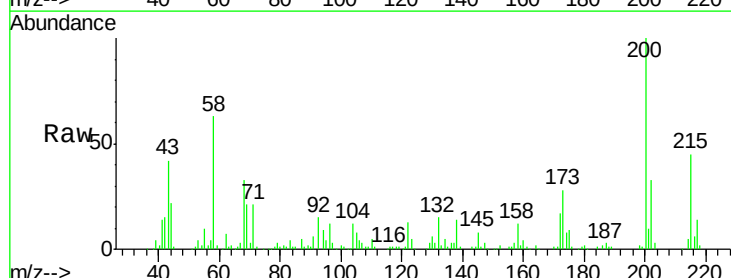
Concen: 56.43 ng

RT: 10.79 min Scan# 779

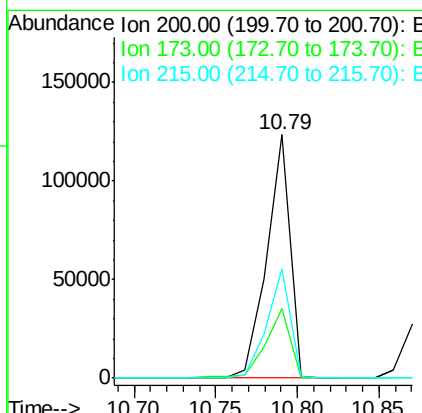
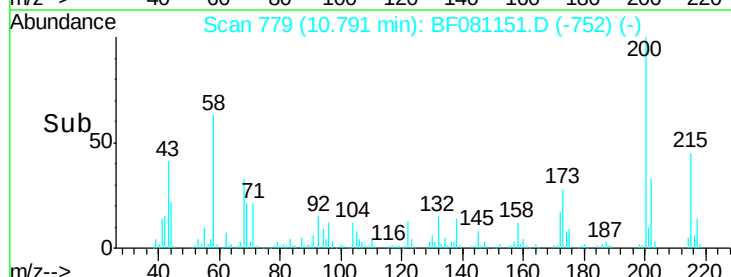
Delta R.T. 0.01 min

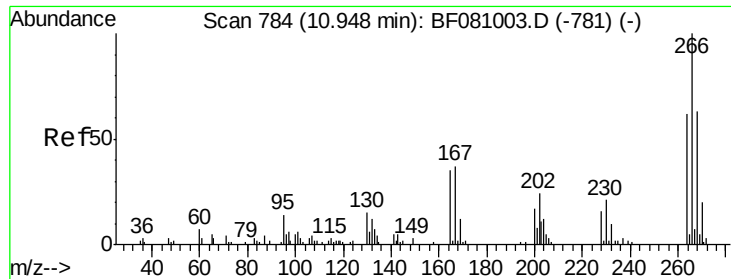
Lab File: BF081151.D

Acq: 21 Aug 2015 18:11



Tgt Ion:	200	Resp:	123329
Ion Ratio	Lower	Upper	
200	100		
173	28.4	8.1	48.1
215	44.6	23.3	63.3





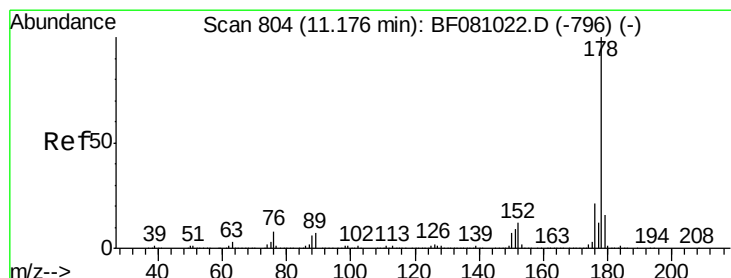
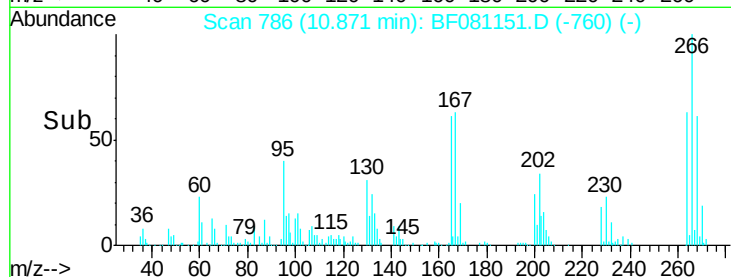
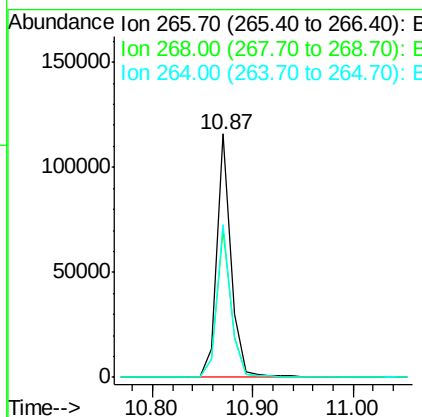
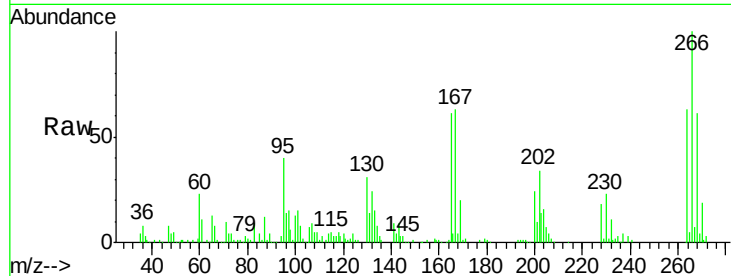
#69
 Pentachlorophenol
 Concen: 87.42 ng
 RT: 10.87 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	114682		
268	60.6	51.2	76.8	
264	62.9	50.6	75.8	

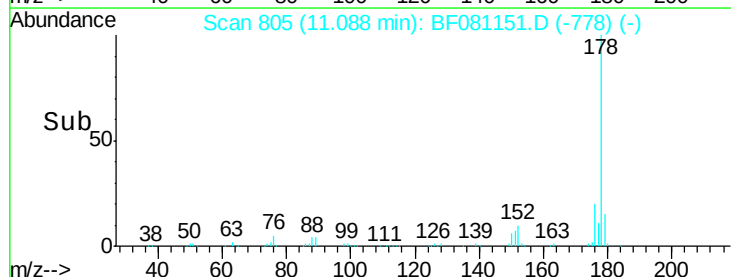
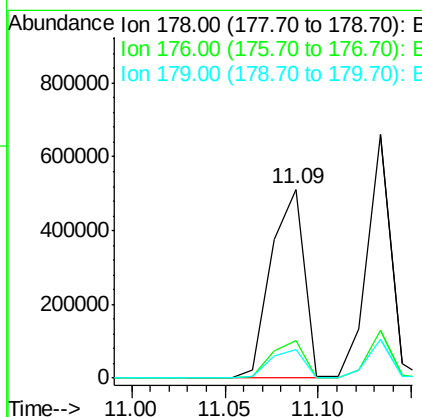
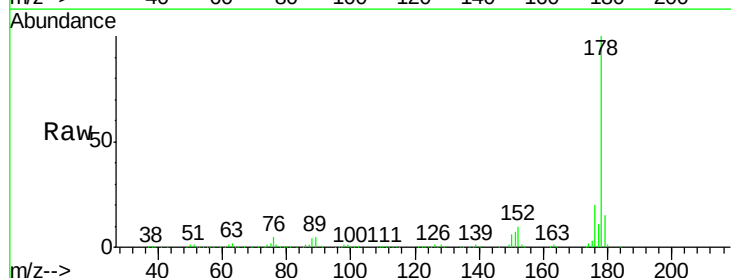
Manual Integrations
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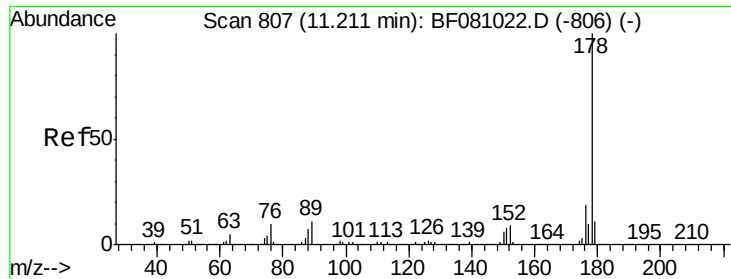
MMDadoda
 8/24/2015 11:23:47 AM



#70
 Phenanthrene
 Concen: 48.33 ng
 RT: 11.09 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	629515		
176	19.9	15.7	23.5	
179	15.3	12.2	18.2	





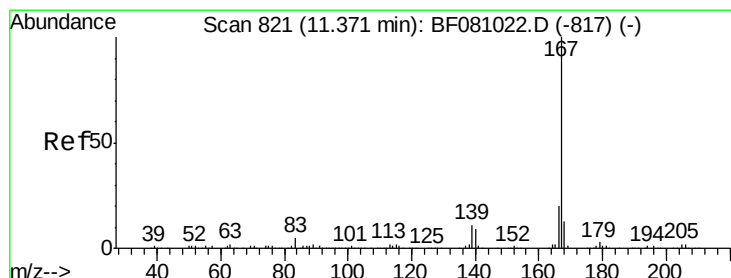
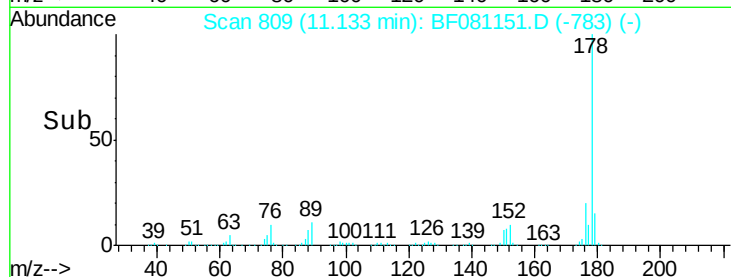
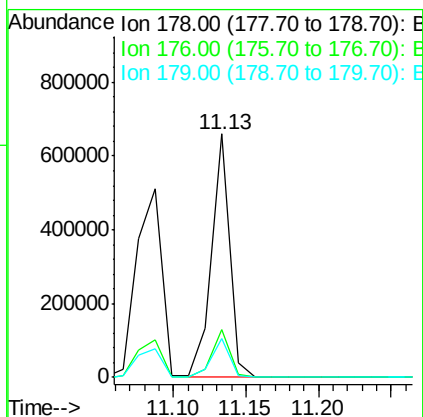
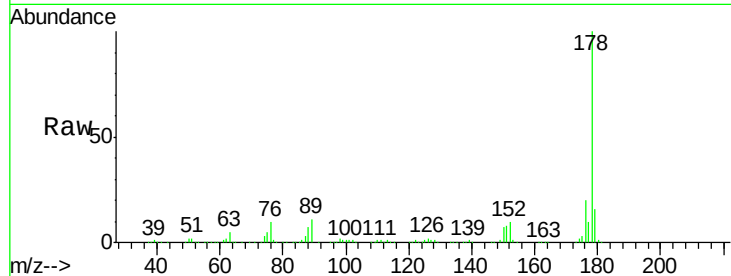
#71
 Anthracene
 Concen: 45.20 ng
 RT: 11.13 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.8	12.7	19.1

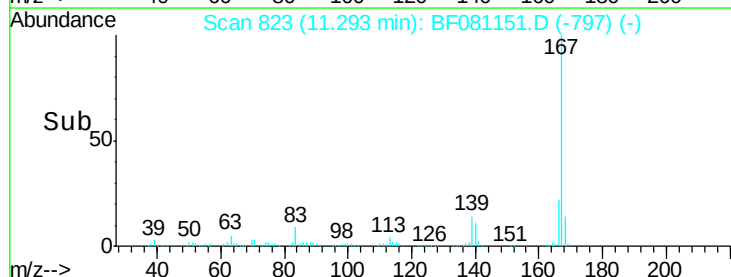
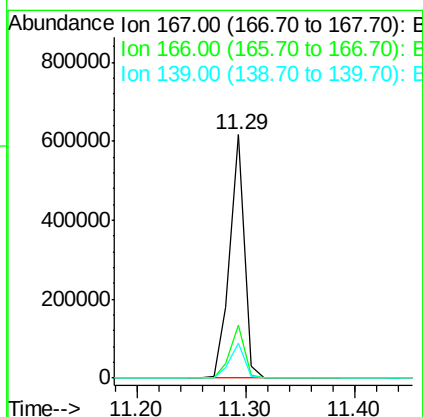
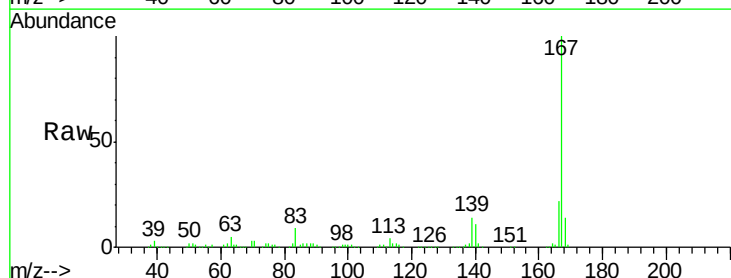
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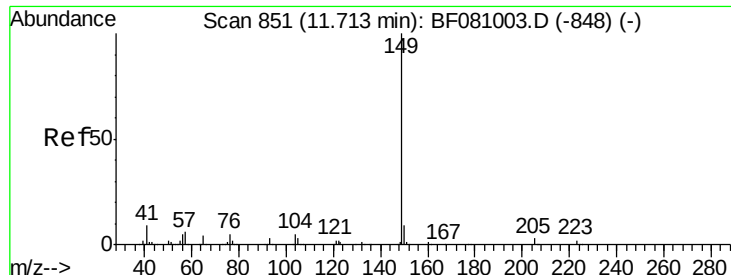
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 8/24/2015 11:23:47 AM



#72
 Carbazole
 Concen: 47.08 ng
 RT: 11.29 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	14.3	10.6	16.0





#73

Di-n-butylphthalate

Concen: 46.23 ng

RT: 11.64 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF081151.D

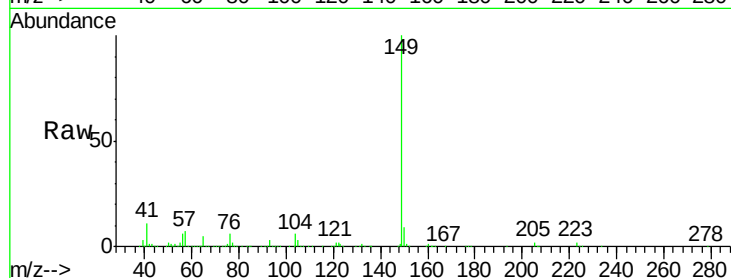
Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

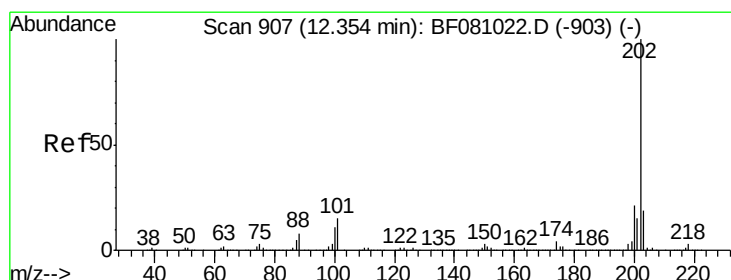
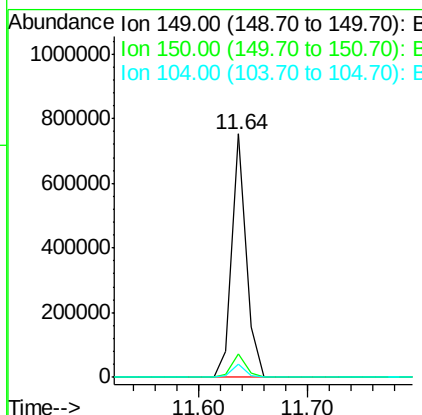
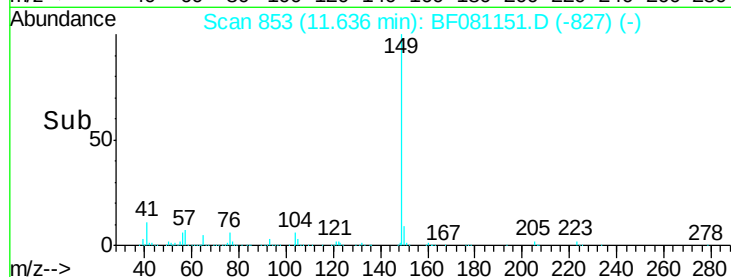
VITALE-FILL-SOURCE-1AMSD



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	682586		
150	9.5	7.1	10.7	
104	5.6	3.9	5.9	

Manual Integrations
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#74

Fluoranthene

Concen: 44.08 ng

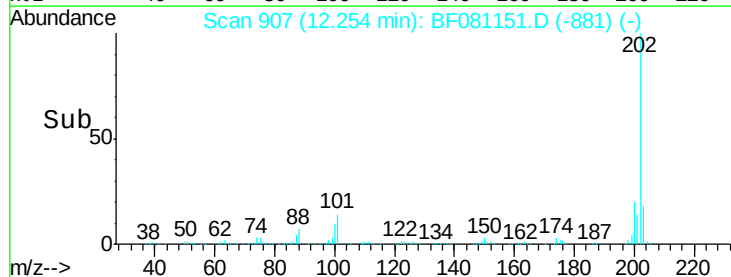
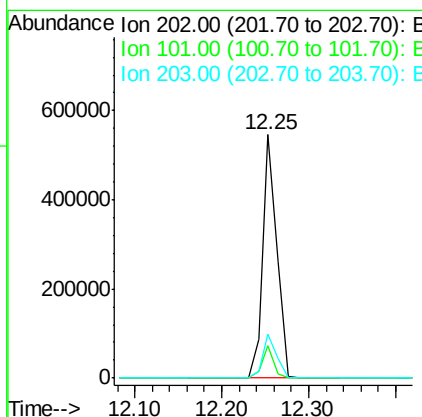
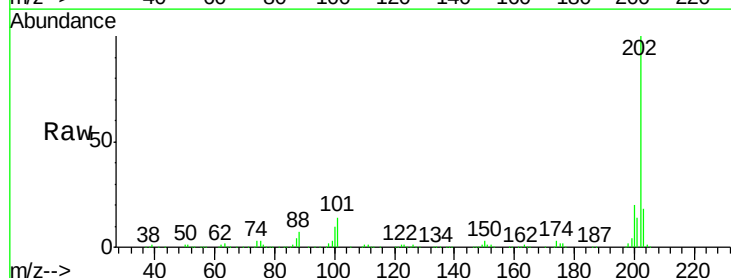
RT: 12.25 min Scan# 907

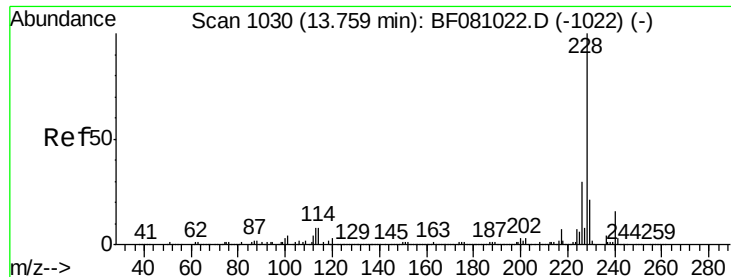
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	619585		
101	13.5	0.0	24.8	
203	17.9	0.0	36.9	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion: 240 Resp: 151608

Ion Ratio Lower Upper

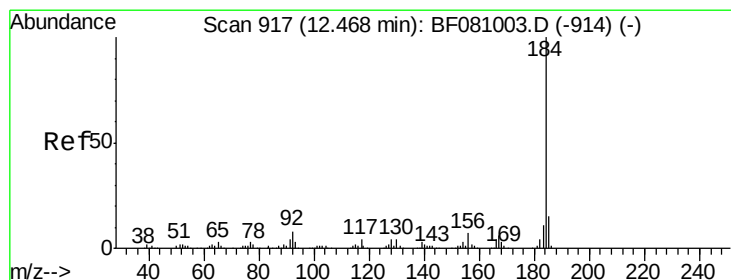
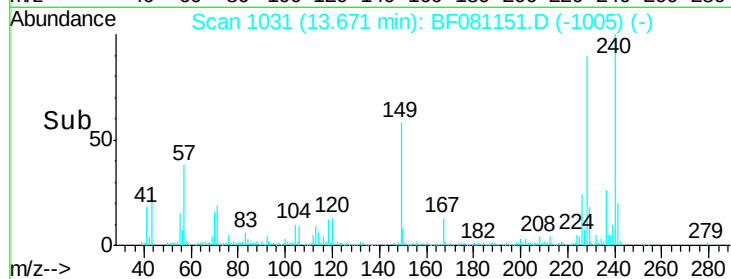
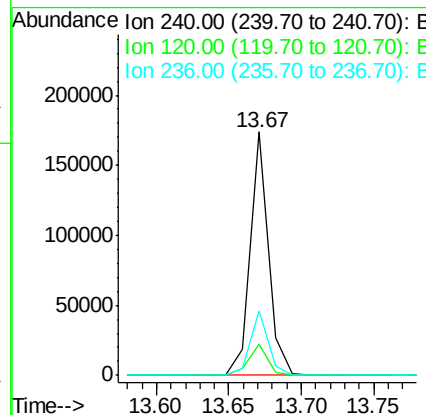
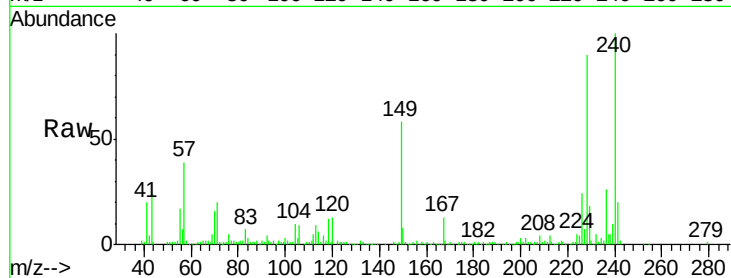
240 100

120 12.9 5.6 8.4#

236 26.3 20.6 30.8

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#76

Benzidine

Concen: 36.98 ng

RT: 12.39 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

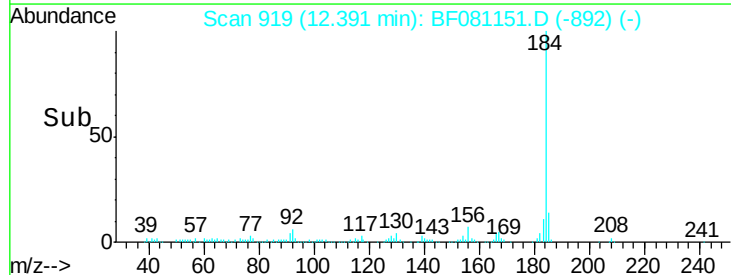
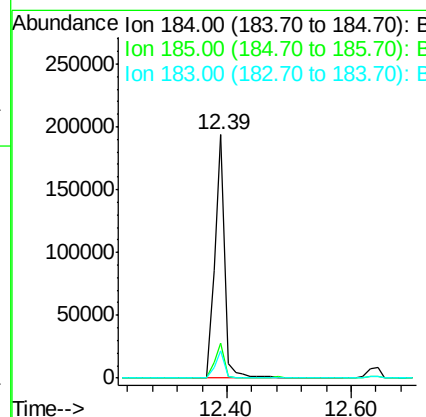
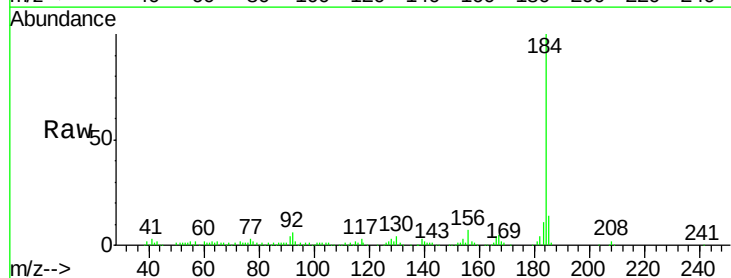
Tgt Ion: 184 Resp: 211801

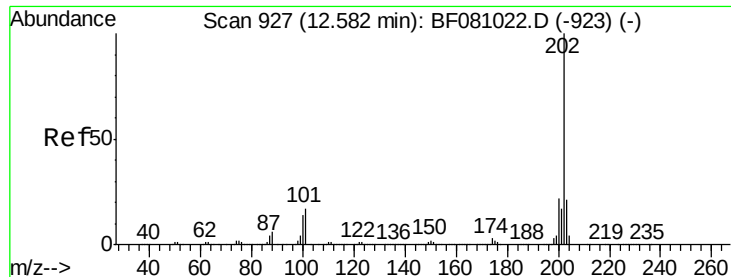
Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

183 11.2 8.9 13.3





#77

Pyrene

Concen: 54.49 ng

RT: 12.48 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

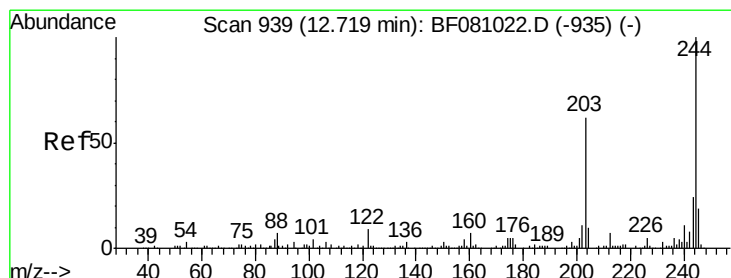
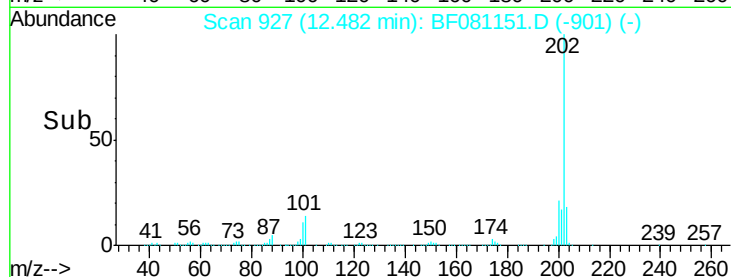
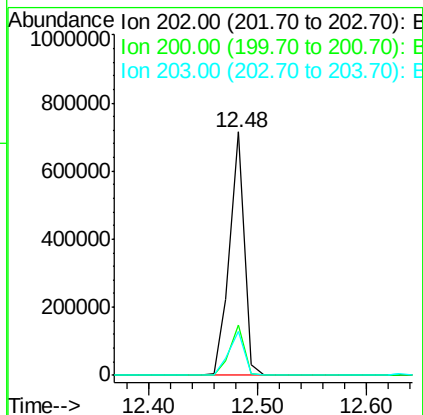
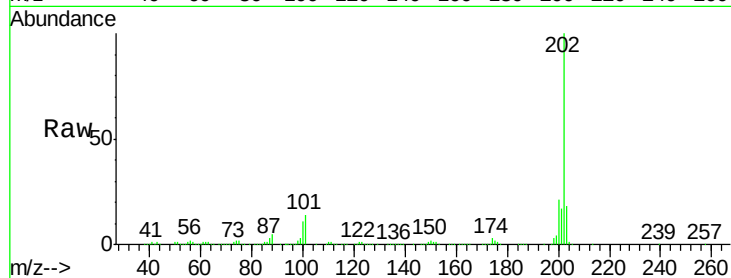
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt	Ion:202	Resp:	671531
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.0	14.1	21.1

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#78

Terphenyl-d14

Concen: 99.05 ng

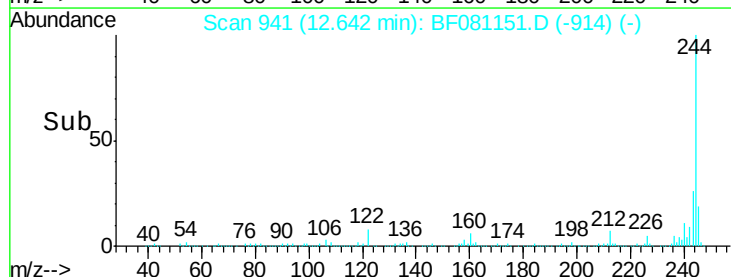
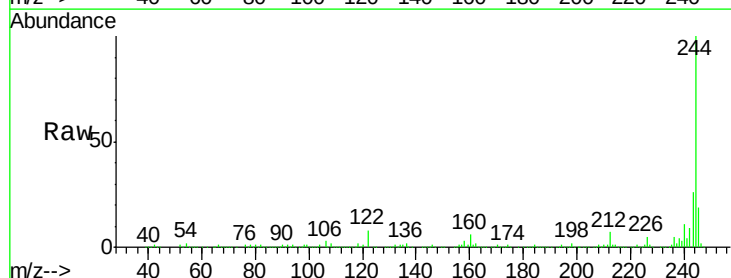
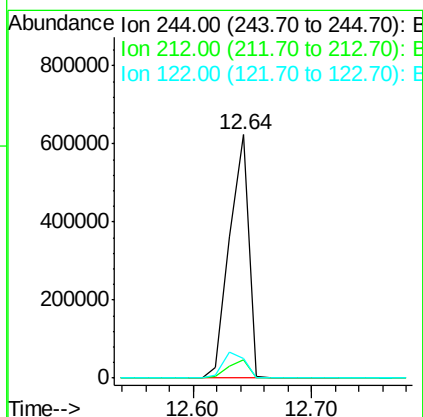
RT: 12.64 min Scan# 941

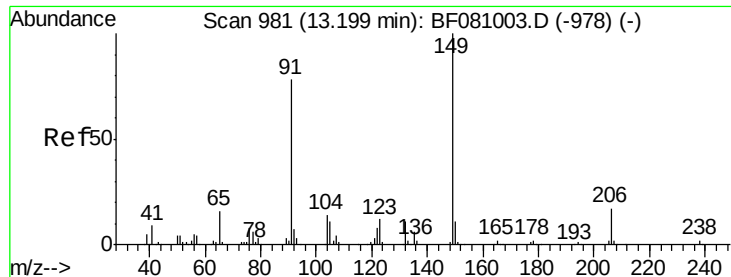
Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt	Ion:244	Resp:	700441
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	7.9	8.2	12.4#





#79

Butylbenzylphthalate

Concen: 59.98 ng

RT: 13.12 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

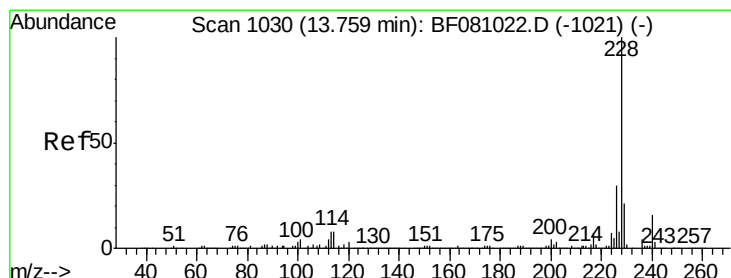
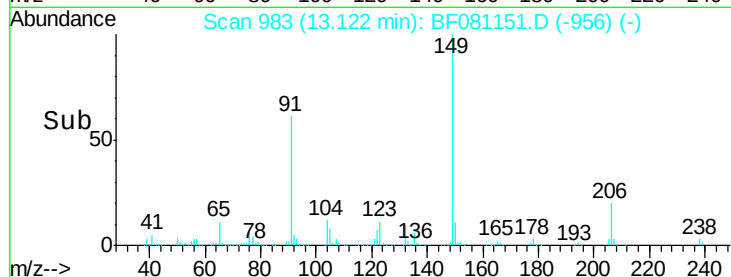
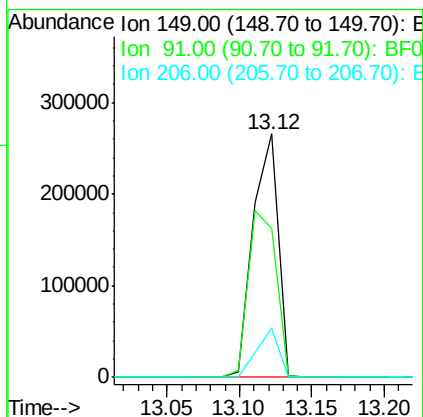
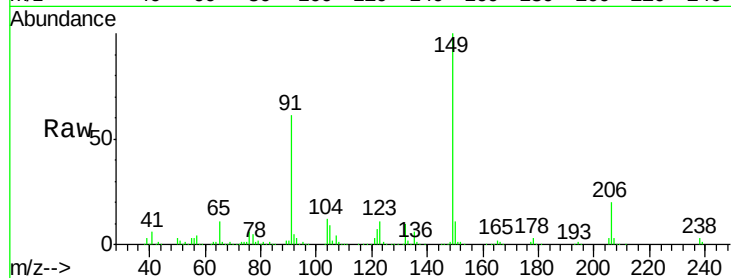
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

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Tgt Ion:	149	Resp:	317769
Ion Ratio	Lower	Upper	
149	100		
91	61.2	46.9	70.3
206	20.2	17.0	25.4



#80

Benzo(a)anthracene

Concen: 47.91 ng

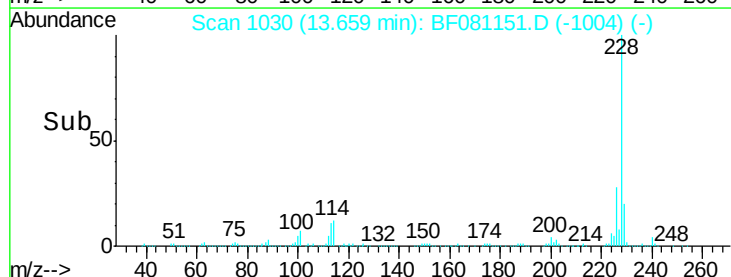
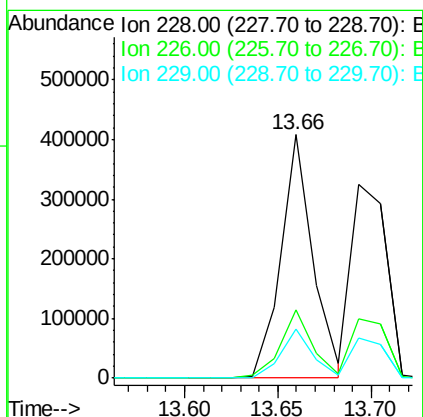
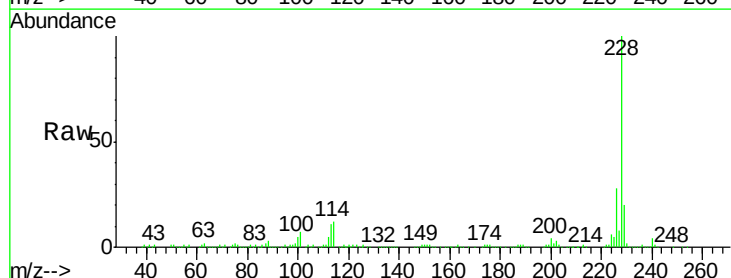
RT: 13.66 min Scan# 1030

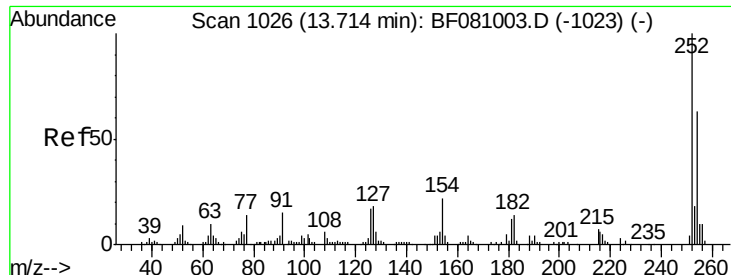
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	228	Resp:	487110
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.3	33.5
229	20.0	15.9	23.9





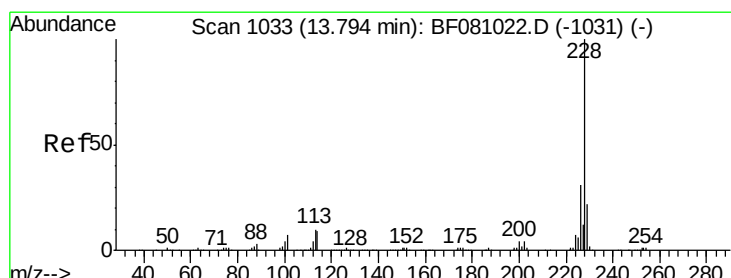
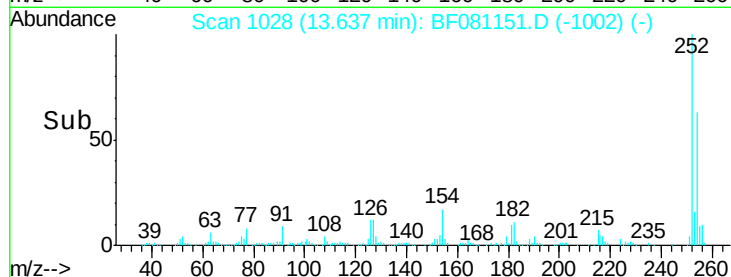
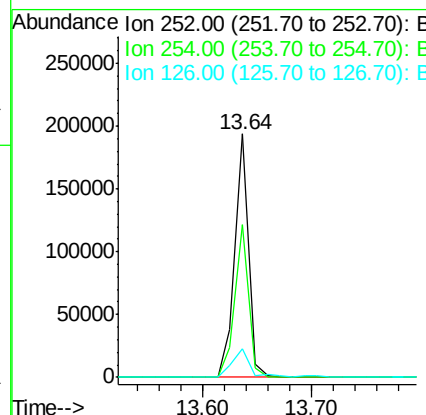
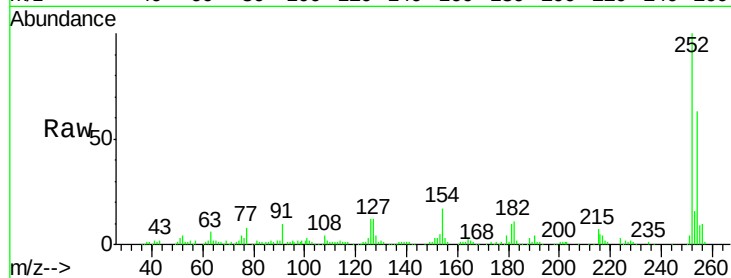
#81
 3,3'-Dichlorobenzidine
 Concen: 51.24 ng
 RT: 13.64 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	62.7	51.5	77.3
126	12.0	12.5	18.7

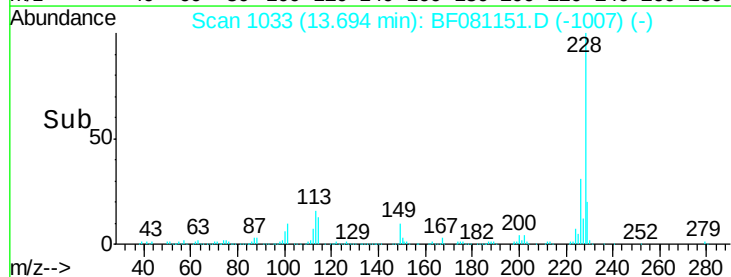
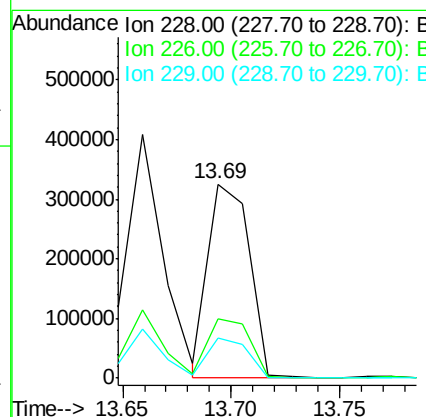
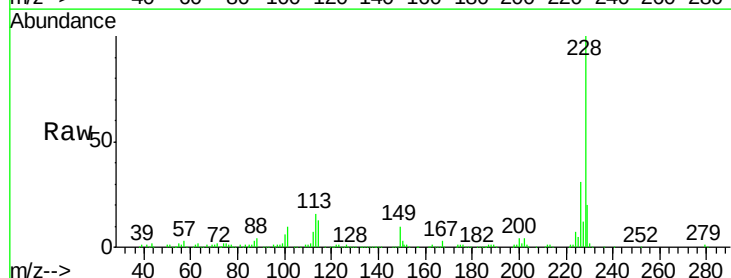
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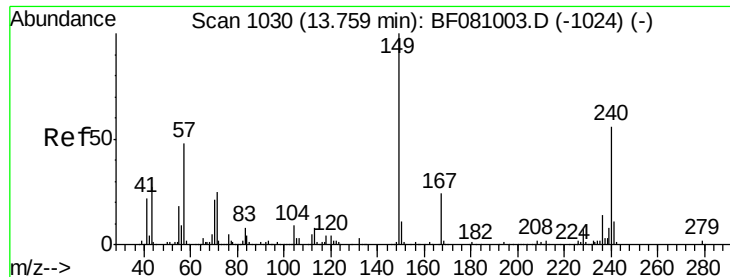
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#82
 Chrysene
 Concen: 46.67 ng
 RT: 13.69 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.7	24.4	36.6
229	20.4	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 61.56 ng

RT: 13.68 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion:149 Resp: 417729

Ion Ratio Lower Upper

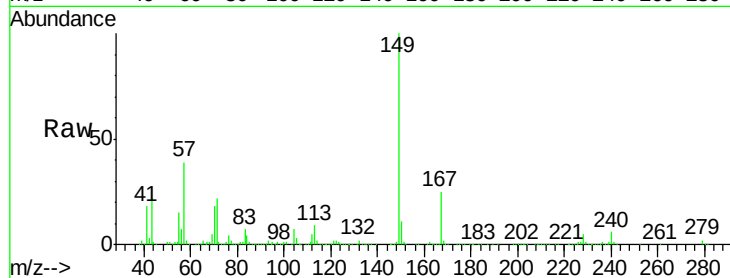
149 100

167 25.0 20.7 31.1

279 2.2 2.2 3.4#

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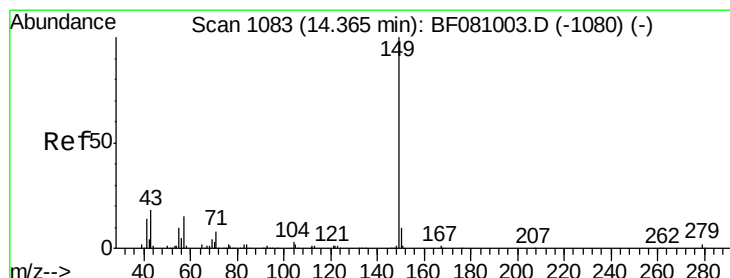
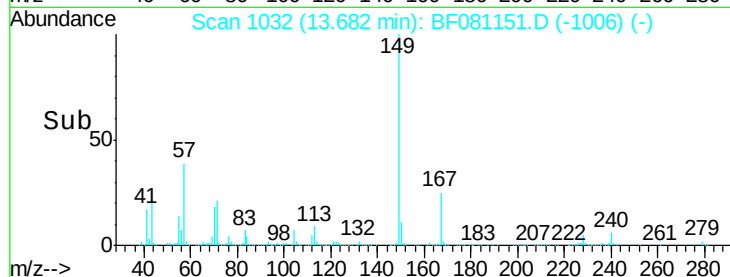
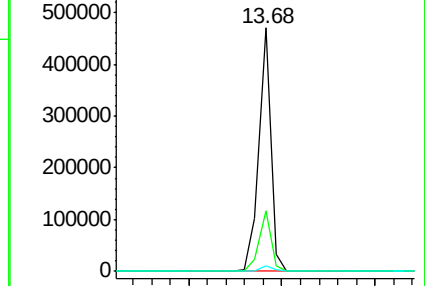
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 62.24 ng

RT: 14.29 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:149 Resp: 641877

Ion Ratio Lower Upper

149 100

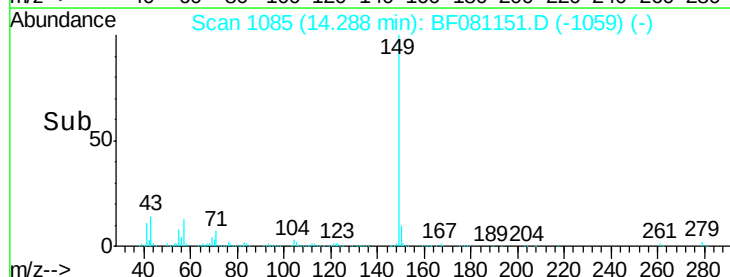
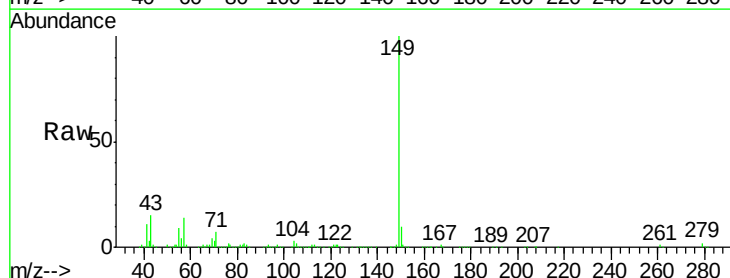
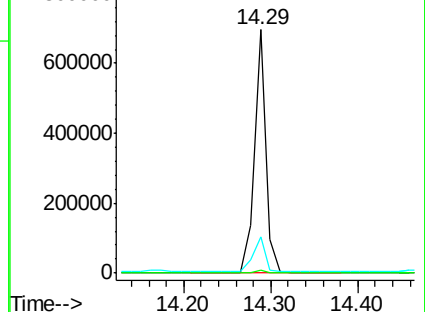
167 1.7 1.1 1.7

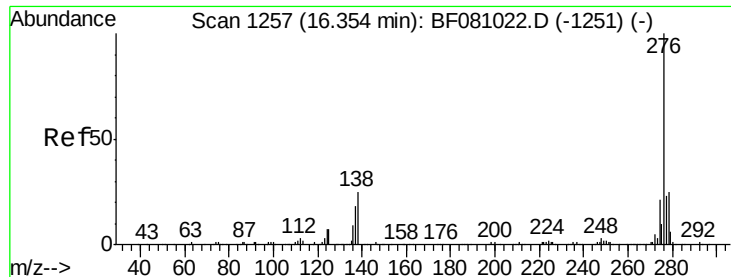
43 15.4 11.6 17.4

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





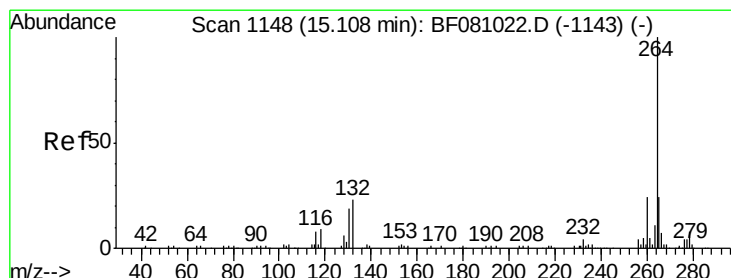
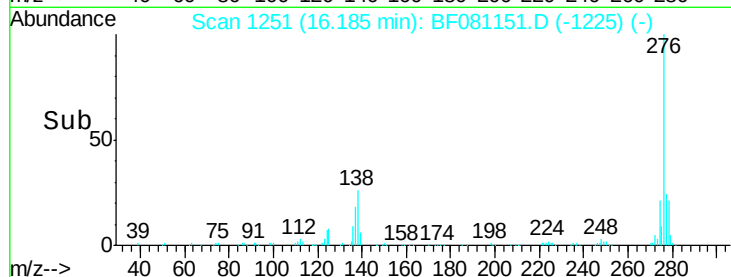
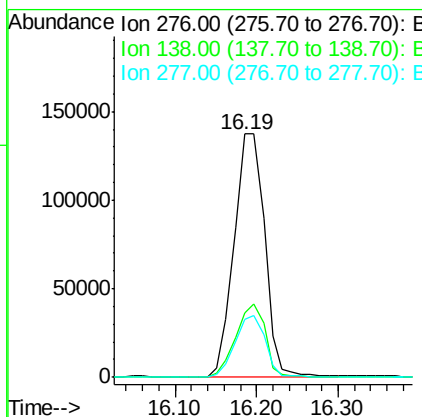
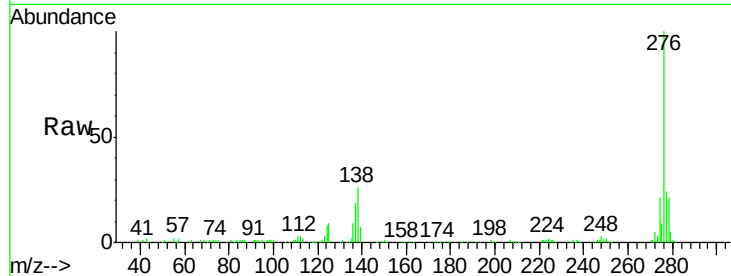
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 56.00 ng
 RT: 16.19 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	360290		
138	29.3	18.6	28.0	
277	25.2	19.8	29.8	

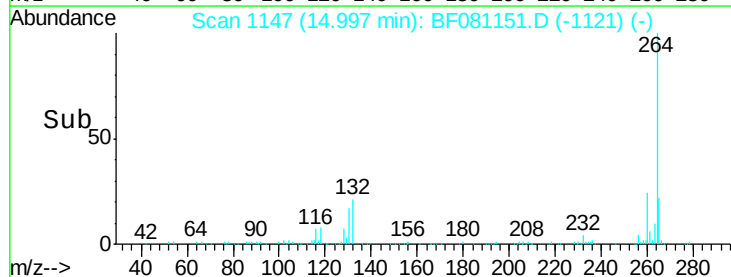
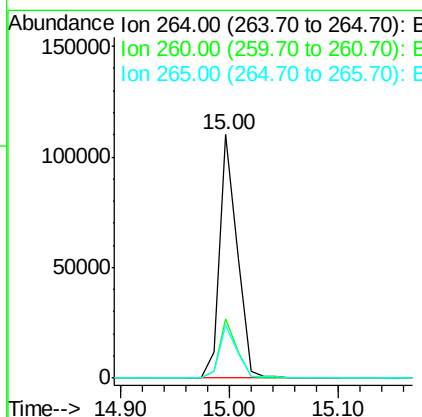
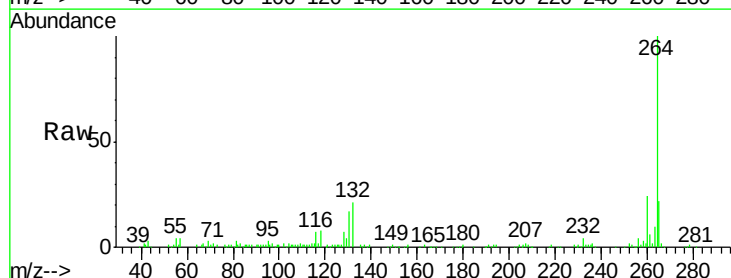
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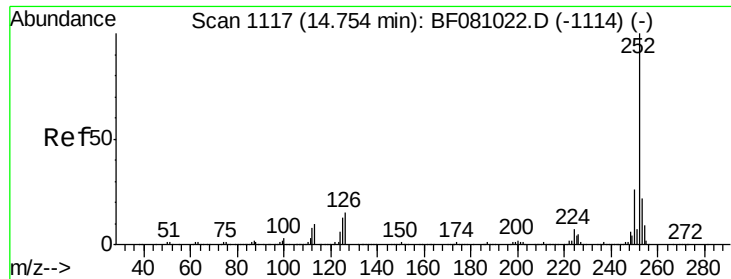
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	124039		
260	24.5	19.6	29.4	
265	21.9	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 48.86 ng m

RT: 14.65 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Instrument :

BNA_F

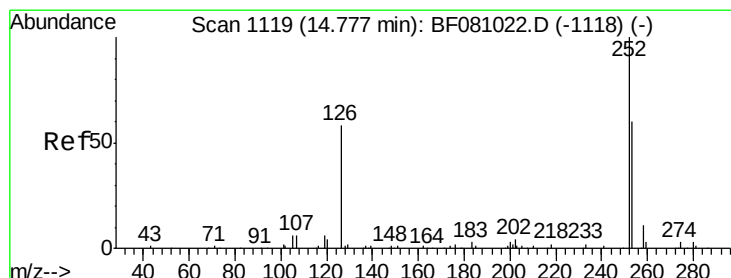
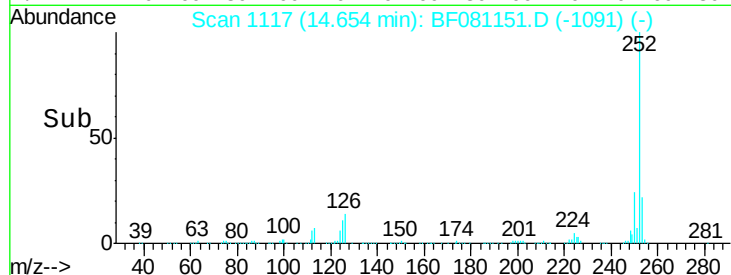
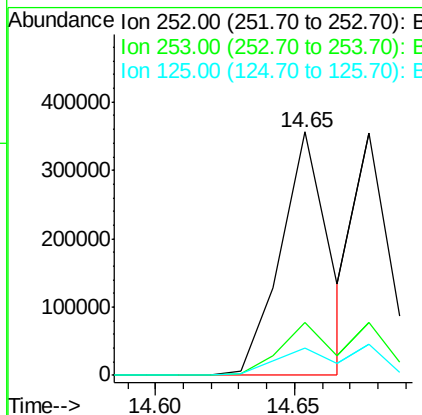
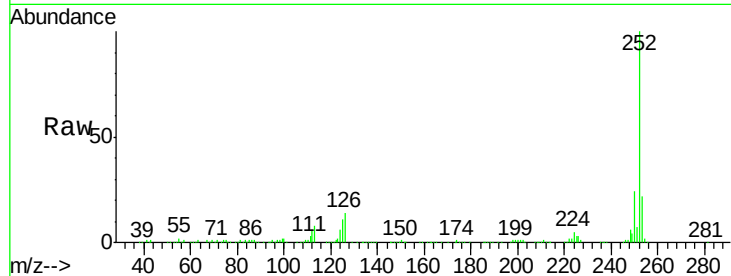
ClientSampleId :

VITALE-FILL-SOURCE-1AMSD

Tgt Ion:	252	Resp:	428699
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.1	25.7
125	11.1	8.0	12.0

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#88

Benzo(k)fluoranthene

Concen: 37.90 ng m

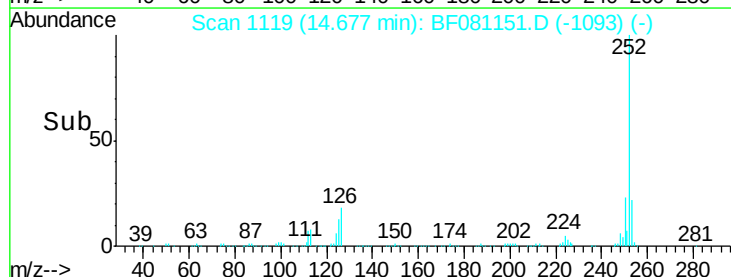
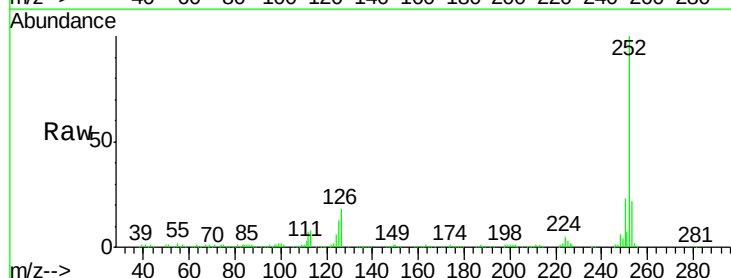
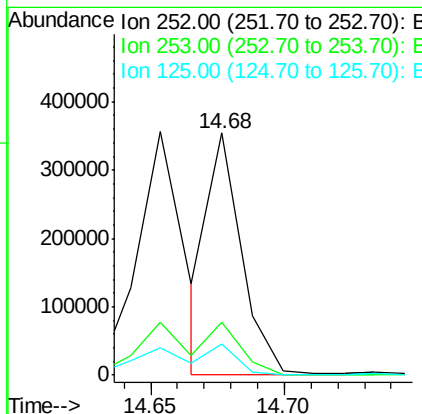
RT: 14.68 min Scan# 1119

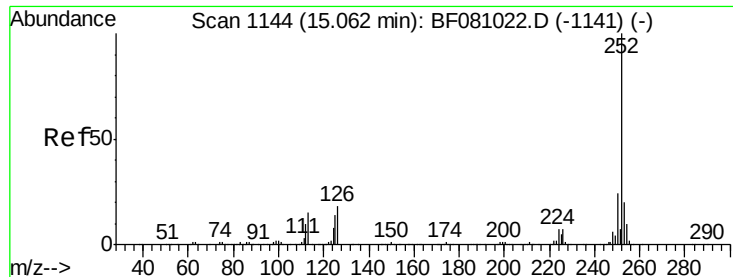
Delta R.T. -0.00 min

Lab File: BF081151.D

Acq: 21 Aug 2015 18:11

Tgt Ion:	252	Resp:	309836
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.6	26.4
125	12.9	10.3	15.5





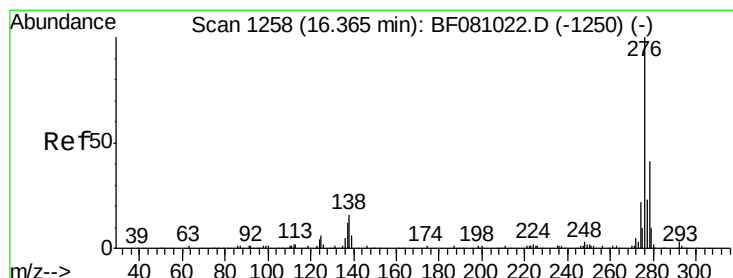
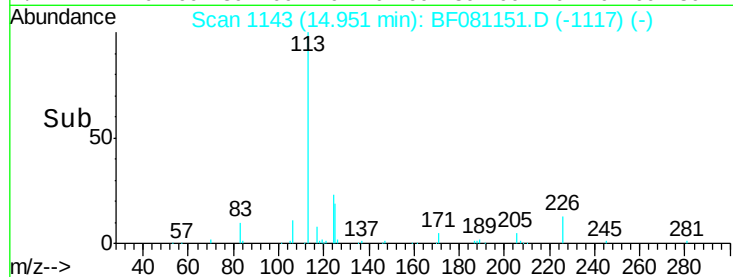
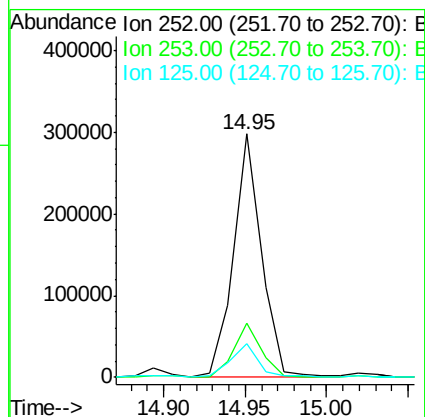
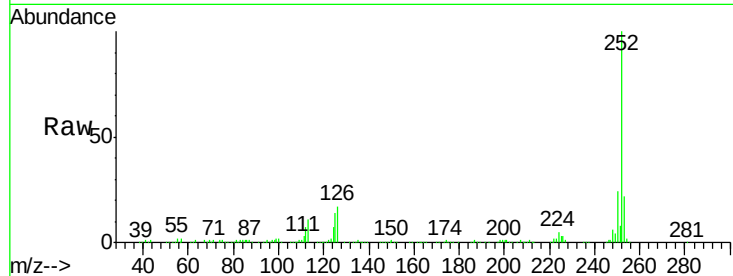
#89
Benzo(a)pyrene
Concen: 45.80 ng
RT: 14.95 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.0	16.6	25.0
125	13.7	7.8	11.8

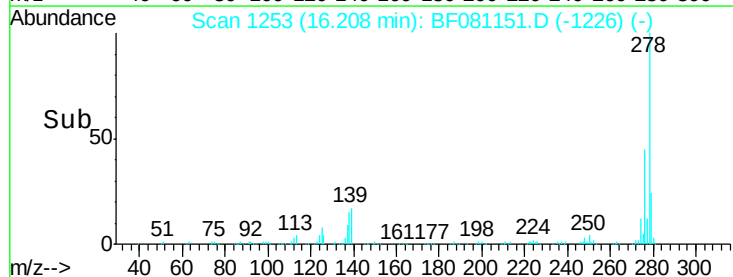
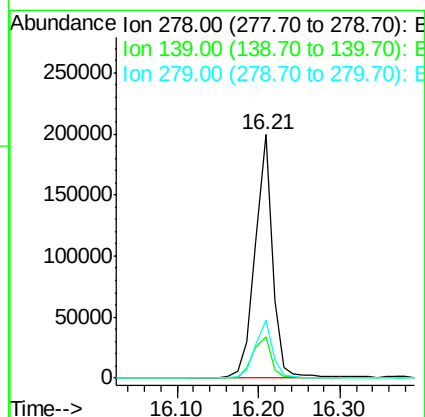
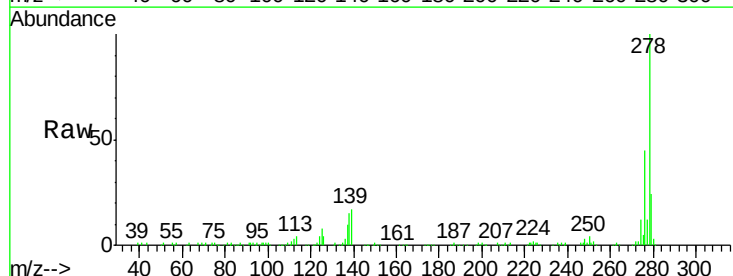
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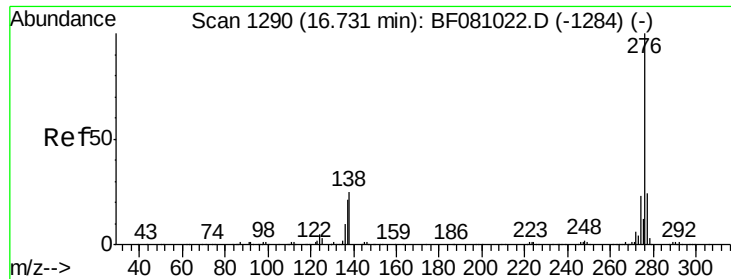
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#90
Dibenzo(a,h)anthracene
Concen: 49.87 ng
RT: 16.21 min Scan# 1253
Delta R.T. 0.01 min
Lab File: BF081151.D
Acq: 21 Aug 2015 18:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.3	10.8	16.2
279	23.8	19.0	28.6





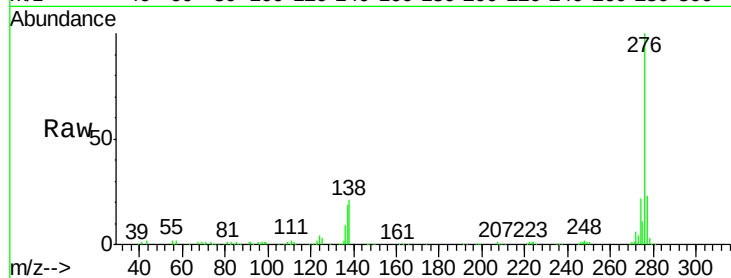
#91
 Benzo(g,h,i)perylene
 Concen: 48.41 ng
 RT: 16.55 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: BF081151.D
 Acq: 21 Aug 2015 18:11

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMSD

Tgt	Ion	276	Resp:	292563
Ion	Ratio	Lower	Upper	
276	100			
277	22.9	18.2	27.2	
138	21.2	13.7	20.5	

Manual Integrations
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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

