

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122415\
 Data File : BF084118.D
 Acq On : 25 Dec 2015 9:46
 Operator : UM/SJ
 Sample : G4951-11MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Manual Integrations
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Sohil
 12/28/2015 1:10:19 PM

Quant Time: Dec 26 02:31:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	51806	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	197417	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	89436	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	159192	20.00	ng	0.00
75) Chrysene-d12	13.96	240	108880	20.00	ng	0.00
86) Perylene-d12	15.38	264	95321	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	191733	62.75	ng	0.01
7) Phenol-d6	6.45	99	151943	40.19	ng	0.00
23) Nitrobenzene-d5	7.37	82	294902	87.44	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	142995	149.93	ng	0.01
44) 2-Fluorobiphenyl	9.16	172	561851	85.96	ng	0.00
78) Terphenyl-d14	12.90	244	387671	64.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	20514	16.38	ng	# 90
3) Pyridine	3.14	79	47620	15.57	ng	96
4) n-Nitrosodimethylamine	3.05	42	24307	18.04	ng	89
6) Aniline	6.46	93	116083	24.29	ng	97
8) 2-Chlorophenol	6.59	128	135764	35.78	ng	98
9) Benzaldehyde	6.35	77	46569	23.03	ng	88
10) Phenol	6.46	94	65049	15.04	ng	# 1
11) bis(2-Chloroethyl)ether	6.53	93	131844	42.28	ng	96
12) 1,3-Dichlorobenzene	6.74	146	163099	39.37	ng	99
13) 1,4-Dichlorobenzene	6.82	146	160114m	38.41	ng	
14) 1,2-Dichlorobenzene	6.97	146	150640	39.21	ng	98
15) Benzyl Alcohol	6.96	79	87035	30.40	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.08	45	122872	40.33	ng	# 31
17) 2-Methylphenol	7.08	107	84741	29.08	ng	# 81
18) Hexachloroethane	7.31	117	59515	39.12	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	95408	40.97	ng	# 85
20) 3+4-Methylphenols	7.23	107	105823	28.47	ng	# 51
22) Acetophenone	7.22	105	217438	44.08	ng	# 85
24) Nitrobenzene	7.39	77	165158	46.12	ng	91
25) Isophorone	7.63	82	283339	45.42	ng	97
26) 2-Nitrophenol	7.71	139	83067	45.33	ng	93
27) 2,4-Dimethylphenol	7.76	122	126805	41.69	ng	98
28) bis(2-Chloroethoxy)methane	7.84	93	159032	43.72	ng	99
29) 2,4-Dichlorophenol	7.96	162	118170	41.83	ng	94
30) 1,2,4-Trichlorobenzene	8.03	180	130908	42.28	ng	98
31) Naphthalene	8.11	128	460640	43.86	ng	99
32) Benzoic acid	7.88	122	20949	14.36	ng	96
33) 4-Chloroaniline	8.17	127	124091	29.69	ng	# 90
34) Hexachlorobutadiene	8.22	225	71472	40.48	ng	98
35) Caprolactam	8.66	113	12144	15.50	ng	# 24
36) 4-Chloro-3-methylphenol	8.66	107	130118	40.96	ng	98
37) 2-Methylnaphthalene	8.80	142	296706	45.13	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	128012	45.40	ng	99
40) Hexachlorocyclopentadiene	8.96	237	54454	69.94	ng	96

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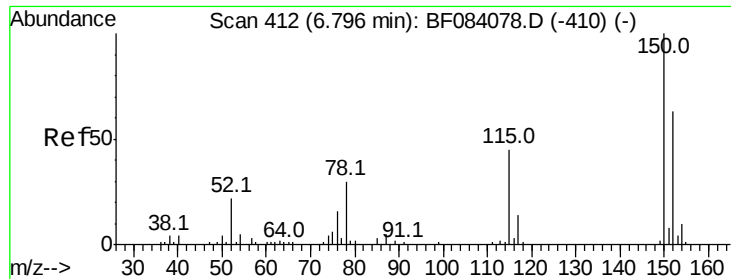
Manual Integrations
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 12/28/2015 1:10:19 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	77609	42.22	nq	99
43) 2,4,5-Trichlorophenol	9.14	196	86322	46.91	nq	94
45) 1,1'-Biphenyl	9.26	154	385276	47.68	nq	98
46) 2-Chloronaphthalene	9.29	162	275632	44.87	nq	98
47) 2-Nitroaniline	9.39	65	86468	52.98	nq	# 85
48) Acenaphthylene	9.70	152	410587	40.70	nq	99
49) Dimethylphthalate	9.57	163	365431	49.34	nq	# 91
50) 2,6-Dinitrotoluene	9.63	165	70083	44.57	nq	# 65
51) Acenaphthene	9.87	154	249581	42.54	nq	100
52) 3-Nitroaniline	9.80	138	44638	26.45	nq	87
53) 2,4-Dinitrophenol	9.92	184	56235	88.31	nq	91
54) Dibenzofuran	10.04	168	362645	44.95	nq	# 89
55) 4-Nitrophenol	10.00	139	28747	33.38	nq	# 79
56) 2,4-Dinitrotoluene	10.04	165	104300	50.25	nq	93
57) Fluorene	10.38	166	290781	42.40	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.18	232	68036	51.87	nq	# 93
59) Diethylphthalate	10.27	149	351141	46.67	nq	99
60) 4-Chlorophenyl-phenylether	10.37	204	129698	41.01	nq	# 75
61) 4-Nitroaniline	10.42	138	68104	43.67	nq	96
62) Azobenzene	10.53	77	303491	48.96	nq	88
64) 4,6-Dinitro-2-methylphenol	10.45	198	42705	48.33	nq	98
65) n-Nitrosodiphenylamine	10.50	169	258332	45.52	nq	99
66) 4-Bromophenyl-phenylether	10.86	248	82517	44.74	nq	# 70
67) Hexachlorobenzene	10.94	284	94883	46.99	nq	# 87
68) Atrazine	11.05	200	70125	41.03	nq	99
69) Pentachlorophenol	11.14	266	81445	118.52	nq	98
70) Phenanthrene	11.34	178	406359	43.06	nq	98
71) Anthracene	11.40	178	452945	45.90	nq	100
72) Carbazole	11.56	167	406079	48.37	nq	98
73) Di-n-butylphthalate	11.88	149	481093	44.48	nq	# 97
74) Fluoranthene	12.53	202	408915	40.75	nq	98
77) Pyrene	12.76	202	419613	44.67	nq	100
79) Butylbenzylphthalate	13.38	149	187987	48.34	nq	87
80) Benzo(a)anthracene	13.95	228	311633	46.53	nq	99
81) 3,3'-Dichlorobenzidine	13.91	252	24121	11.89	nq	# 94
82) Chrysene	13.99	228	269365	43.61	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	240893	47.94	nq	# 97
84) Di-n-octyl phthalate	14.55	149	359839	50.90	nq	# 99
85) Indeno(1,2,3-cd)pyrene	16.77	276	327374	52.93	nq	99
87) Benzo(b)fluoranthene	14.98	252	294991m	41.67	nq	
88) Benzo(k)fluoranthene	15.00	252	257964m	53.77	nq	
89) Benzo(a)pyrene	15.32	252	270443	46.37	nq	# 98
90) Dibenzo(a,h)anthracene	16.77	278	271932	47.78	nq	98
91) Benzo(g,h,i)perylene	17.19	276	276754	47.64	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

ClientSampleId :

PZ-1-122315MSD

Tot Ion:152 Resp: 51806

Ion Ratio Lower Upper

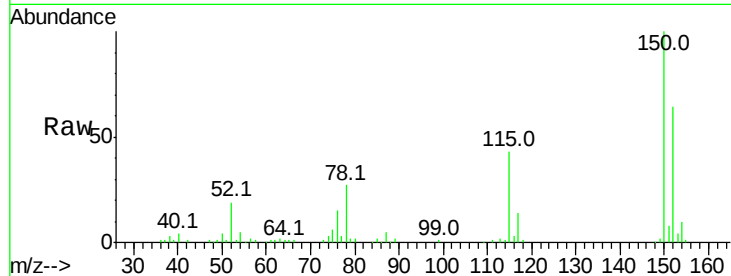
152 100

150 157.1 123.0 184.4

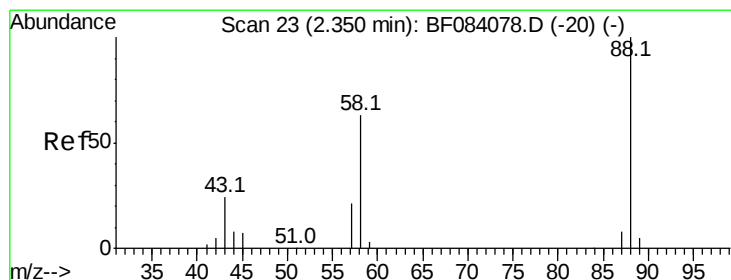
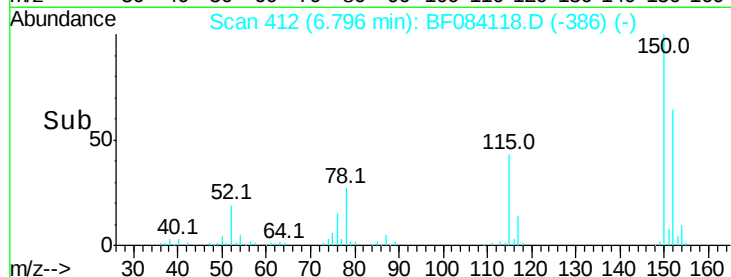
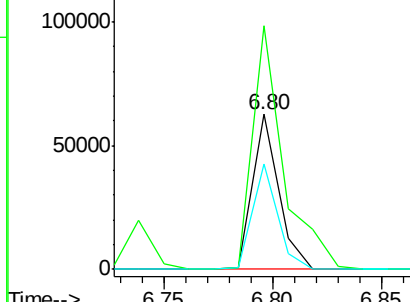
115 68.3 51.4 77.2

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



#2

1,4-Dioxane

Concen: 16.38 ng

RT: 2.40 min Scan# 27

Delta R.T. 0.05 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

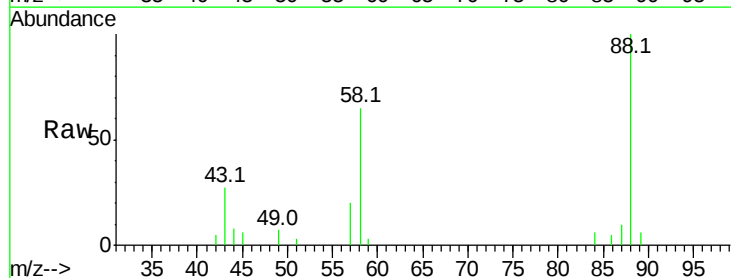
Tgt Ion: 88 Resp: 20514

Ion Ratio Lower Upper

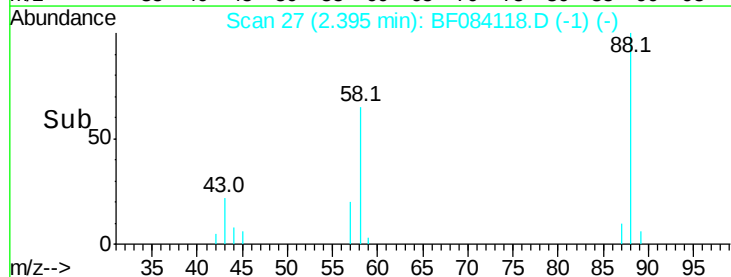
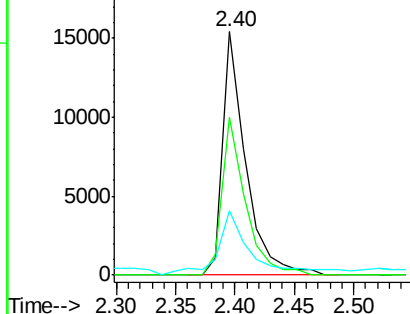
88 100

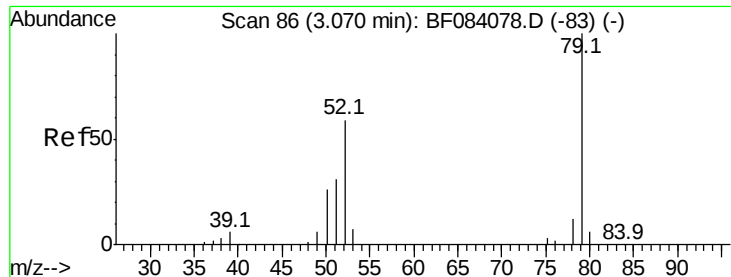
58 65.9 51.2 76.8

43 39.9 19.5 29.3#



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





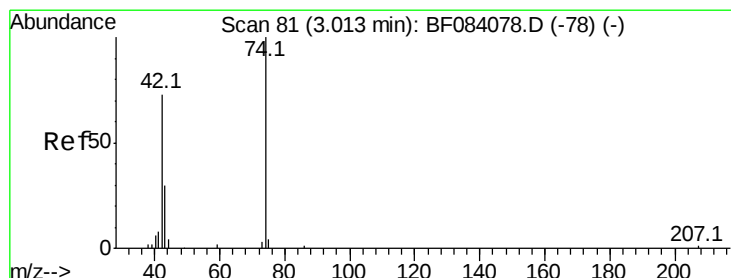
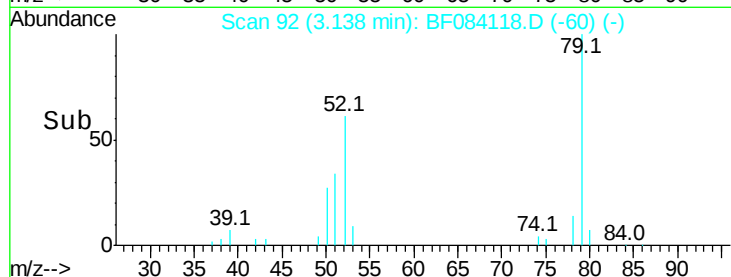
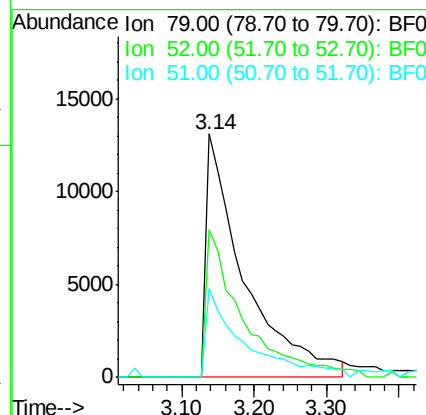
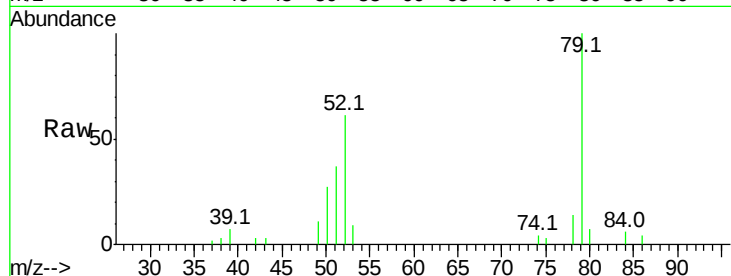
#3
 Pvridine
 Concen: 15.57 ng
 RT: 3.14 min Scan# 92
 Delta R.T. 0.07 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	47620		
52	52	60.7		49.0	73.4
51	51	36.6		25.2	37.8

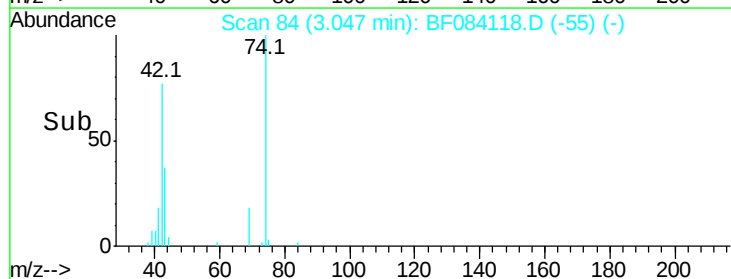
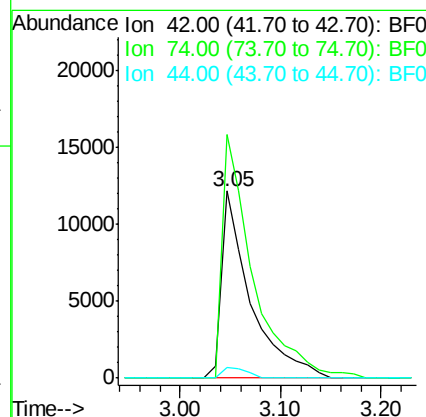
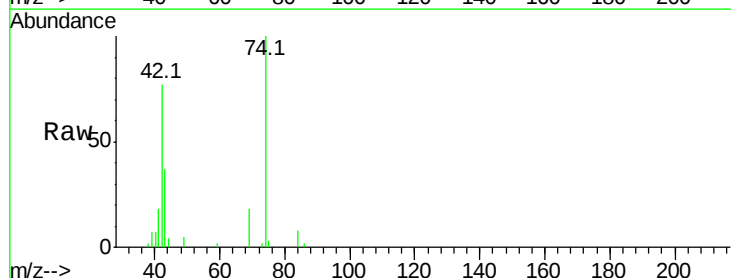
Manual Integrations
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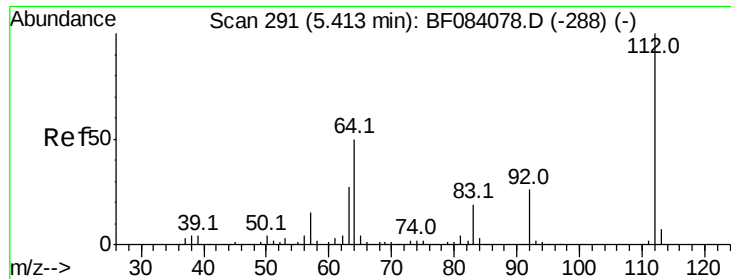
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#4
 n-Nitrosodimethylamine
 Concen: 18.04 ng
 RT: 3.05 min Scan# 84
 Delta R.T. 0.03 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	24307		
74	74	130.1		115.7	173.5
44	44	5.7		5.1	7.7





#5

2-Fluorophenol

Concen: 62.75 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

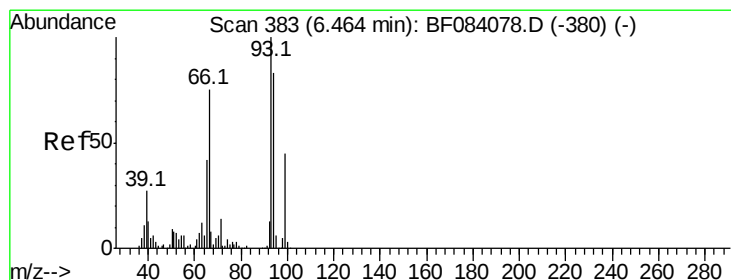
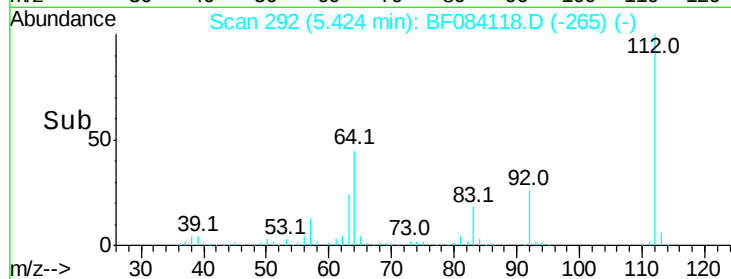
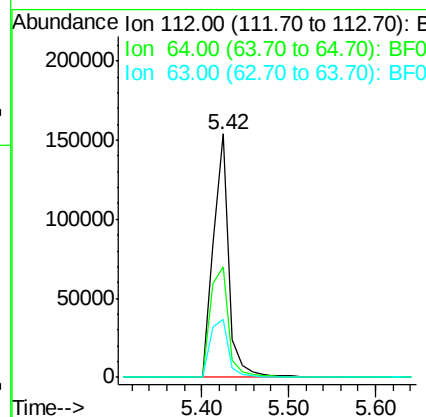
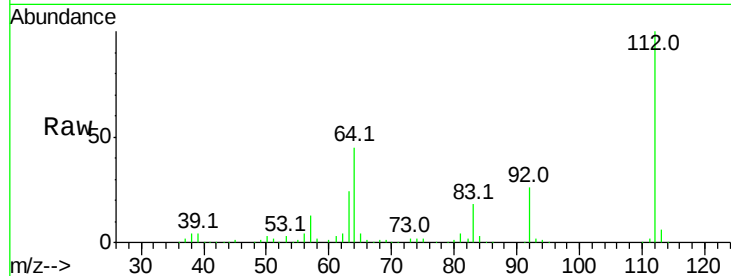
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	112	Resp:	191733
Ion Ratio	Lower	Upper	
112	100		
64	45.4	36.6	55.0
63	24.1	19.4	29.0

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#6

Aniline

Concen: 24.29 ng

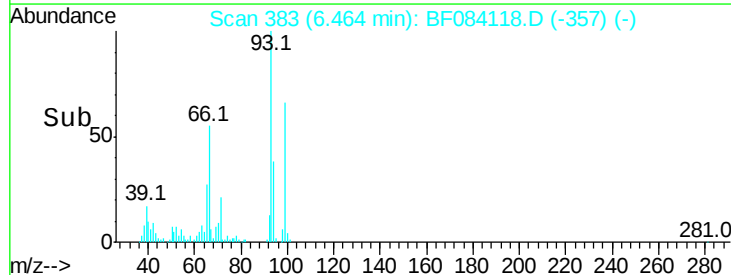
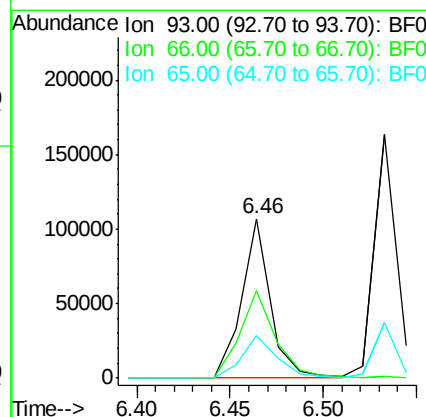
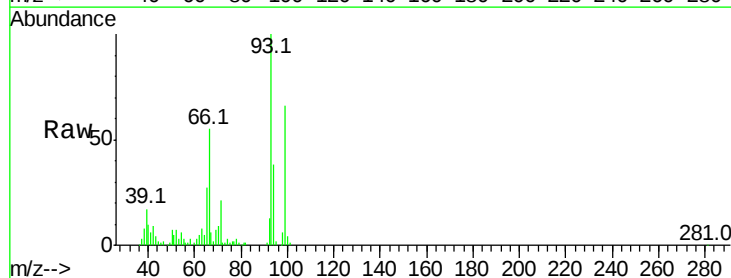
RT: 6.46 min Scan# 383

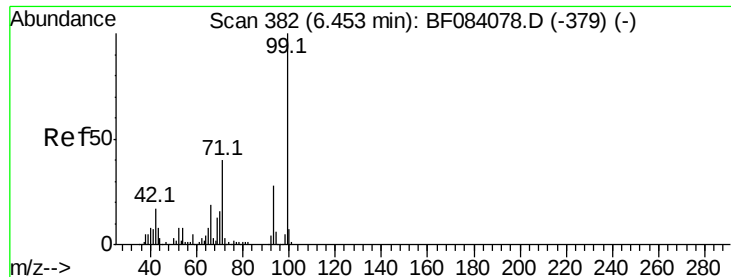
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	93	Resp:	116083
Ion Ratio	Lower	Upper	
93	100		
66	54.7	44.9	67.3
65	27.1	23.7	35.5





#7

Phenol-d6

Concen: 40.19 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

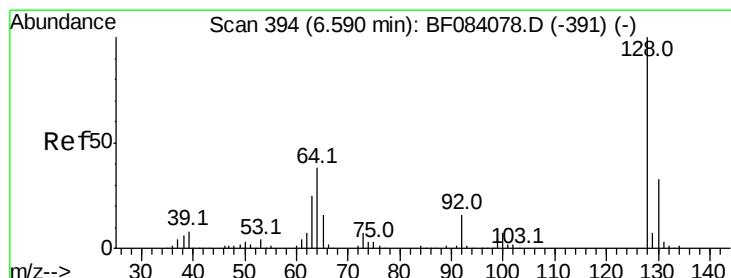
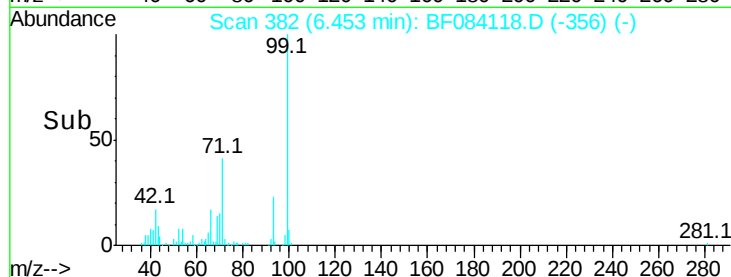
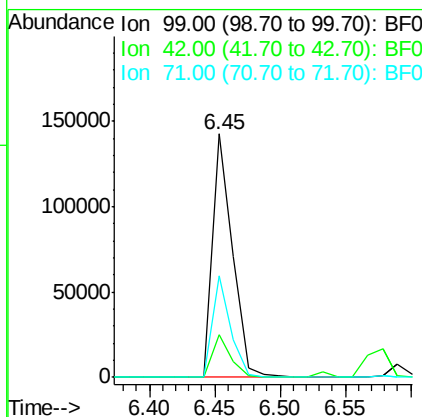
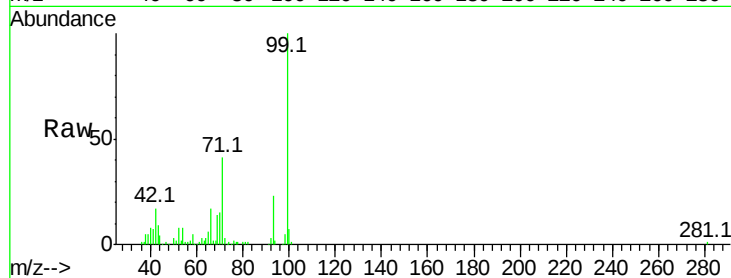
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	99	Resp:	151943
Ion Ratio	Lower	Upper	
99	100		
42	17.5	12.8	19.2
71	41.5	30.9	46.3

Manual Integrations
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#8

2-Chlorophenol

Concen: 35.78 ng

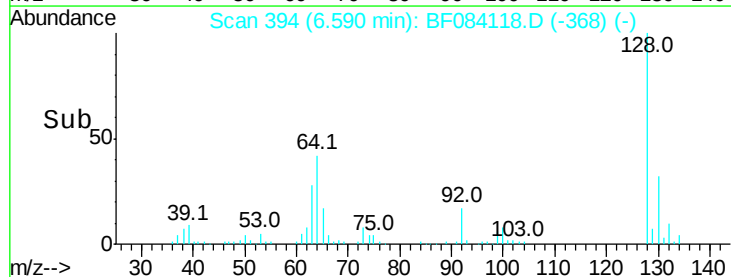
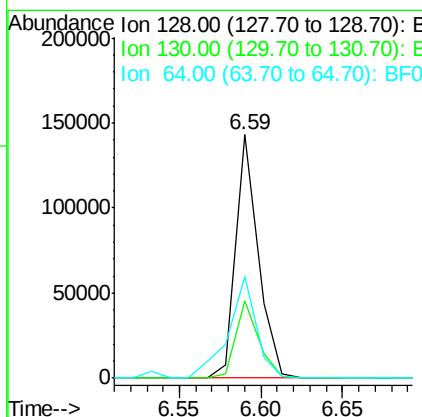
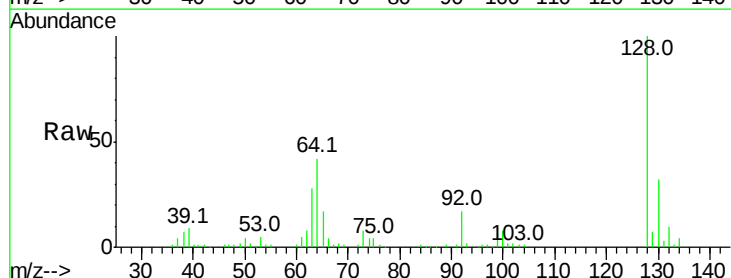
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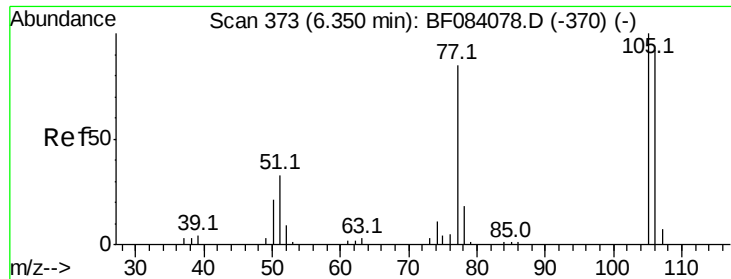
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	128	Resp:	135764
Ion Ratio	Lower	Upper	
128	100		
130	31.7	11.6	51.6
64	41.9	23.8	63.8





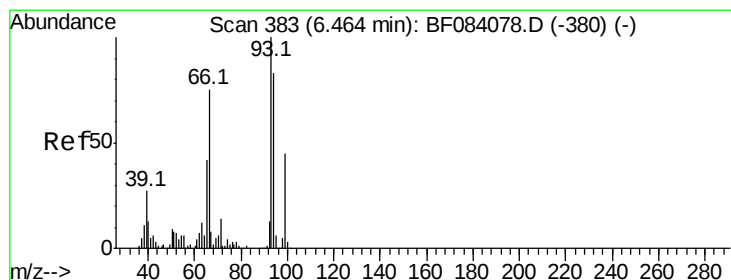
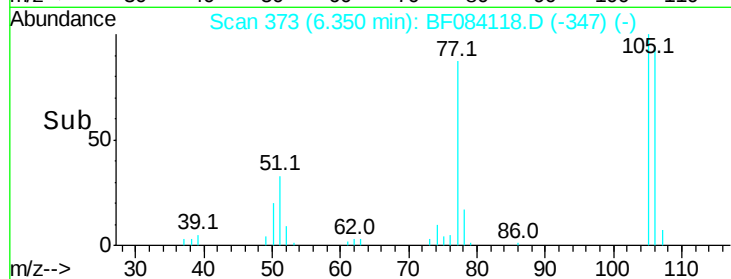
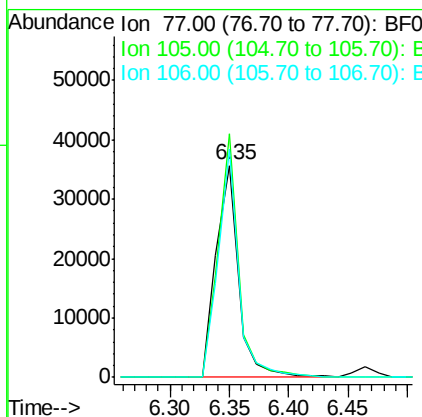
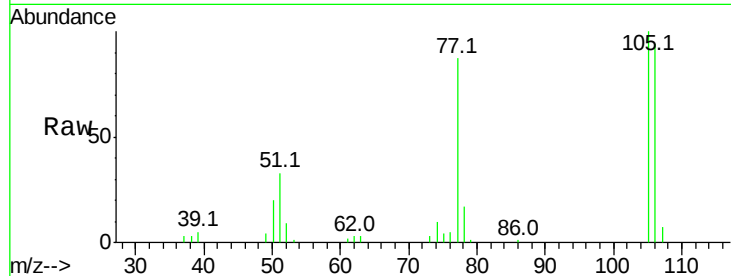
#9
Benzaldehyde
Concen: 23.03 ng
RT: 6.35 min Scan# 373
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	114.9	83.0	123.0
106	107.5	74.6	114.6

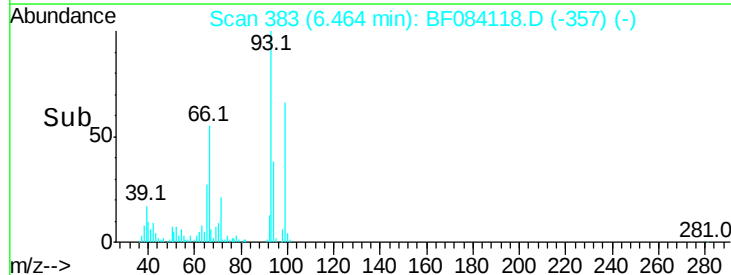
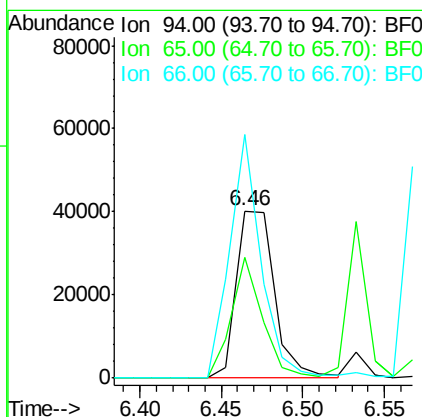
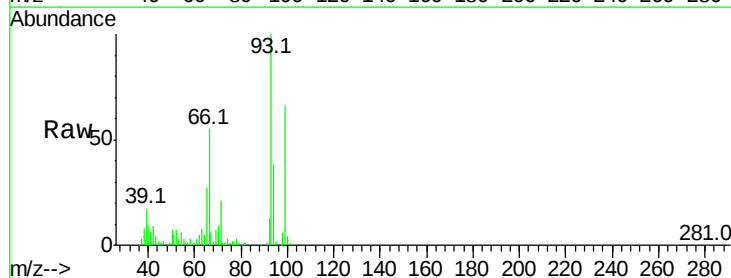
Manual Integrations
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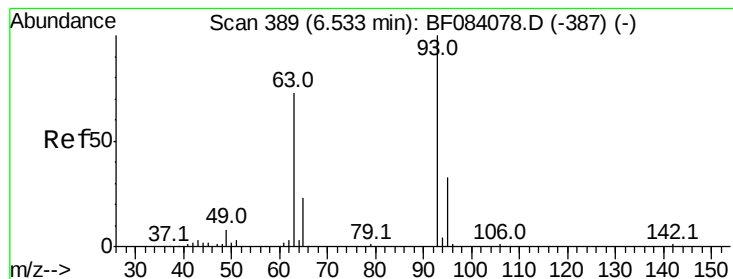
Sohil
12/28/2015 1:10:19 PM



#10
Phenol
Concen: 15.04 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
94	100		
65	72.0	12.9	52.9#
66	145.5	32.7	72.7#





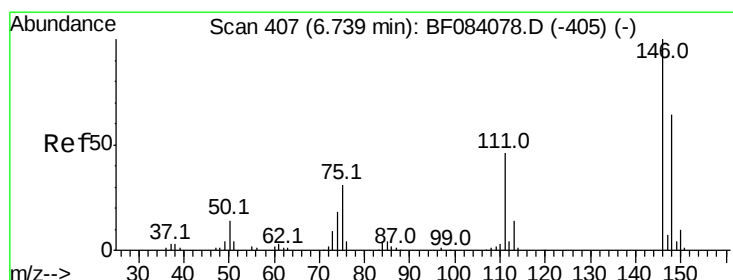
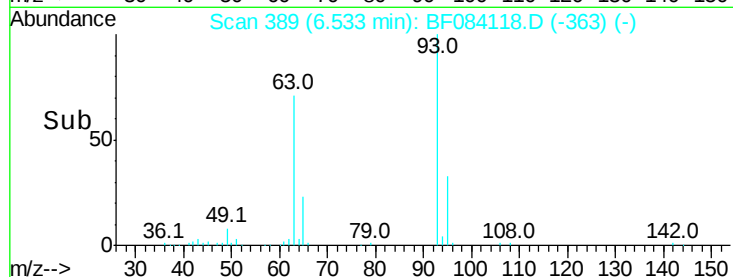
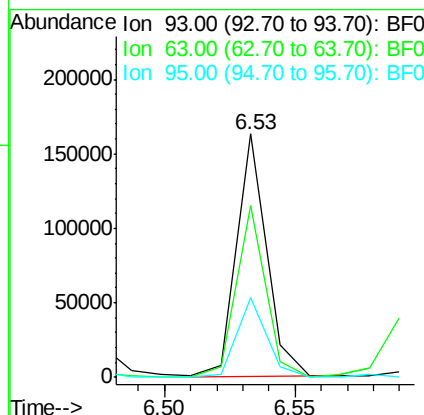
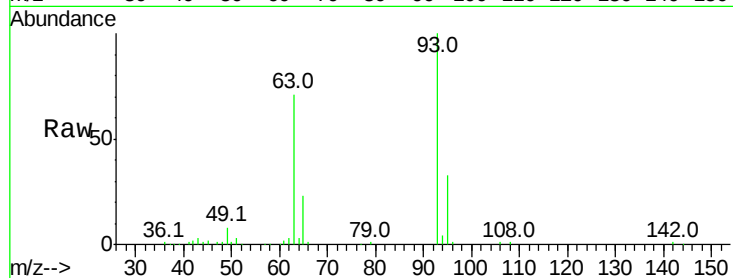
#11
bis(2-Chloroethyl)ether
Concen: 42.28 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	70.8	45.9	85.9	
95	32.8	12.3	52.3	

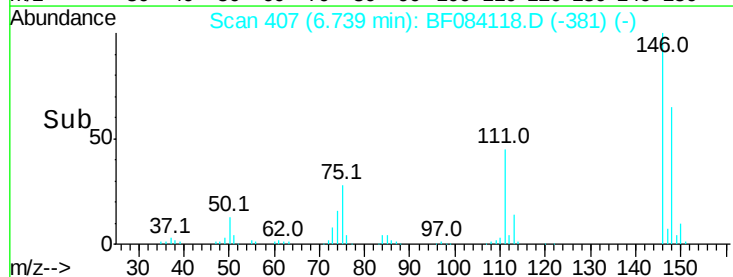
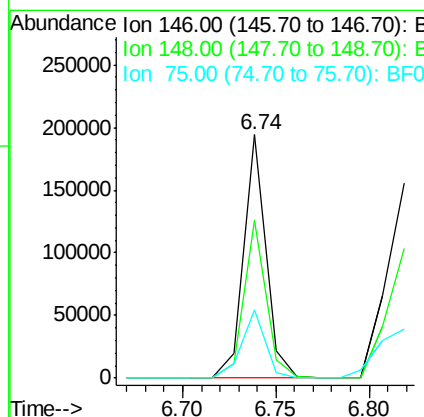
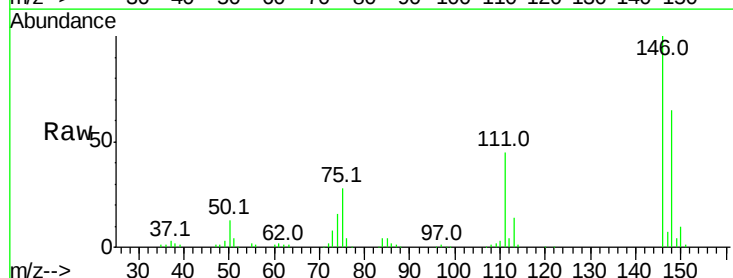
Manual Integrations
APPROVED

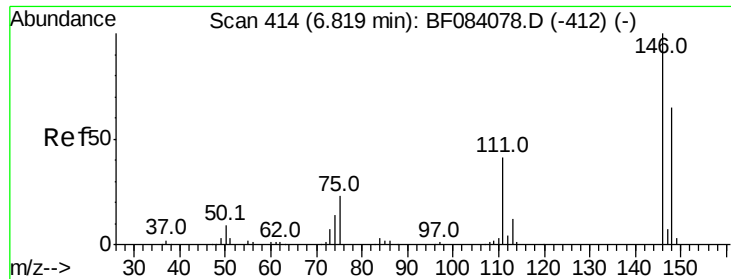
Sohil
12/28/2015 1:10:19 PM



#12
1,3-Dichlorobenzene
Concen: 39.37 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.8	51.9	77.9	
75	28.1	20.5	30.7	





#13

1,4-Dichlorobenzene

Concen: 38.41 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

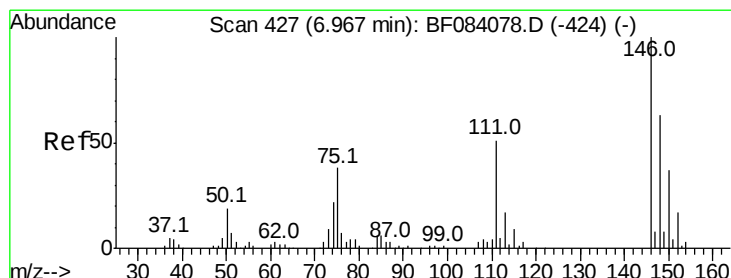
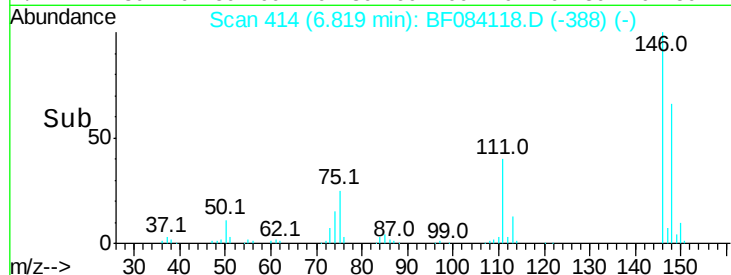
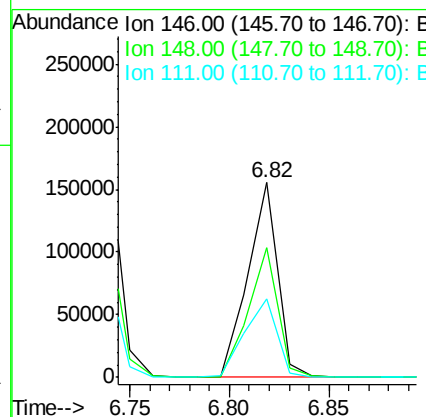
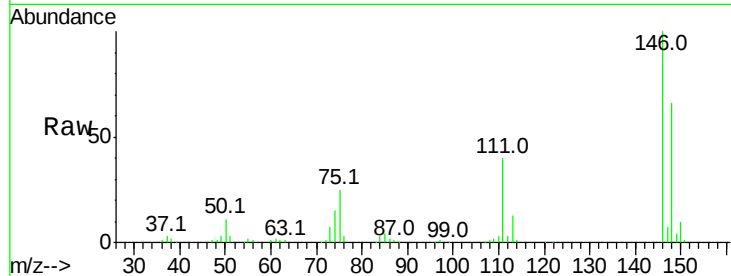
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	146	Resp:	160114
Ion Ratio	Lower	Upper	
146	100		
148	66.3	51.9	77.9
111	40.1	41.6	62.4#

Manual Integrations
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Sohil
12/28/2015 1:10:19 PM



#14

1,2-Dichlorobenzene

Concen: 39.21 ng

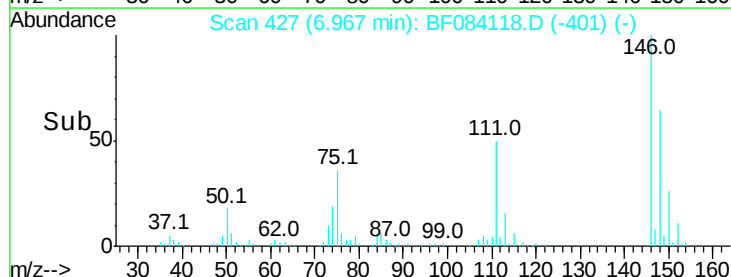
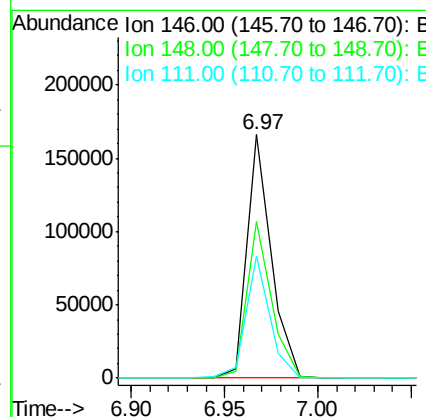
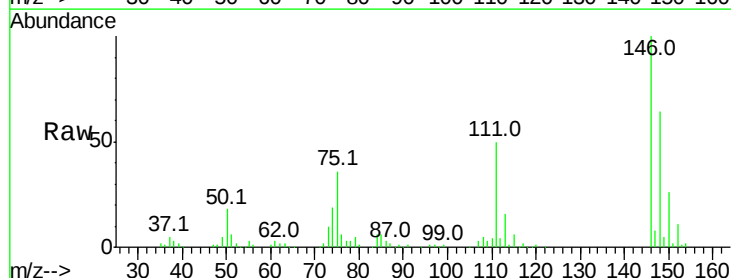
RT: 6.97 min Scan# 427

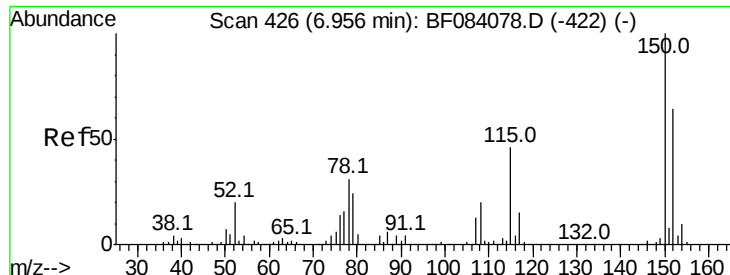
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	146	Resp:	150640
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.6	77.4
111	49.9	38.0	57.0





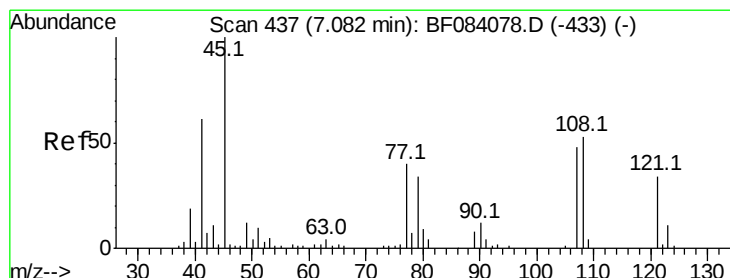
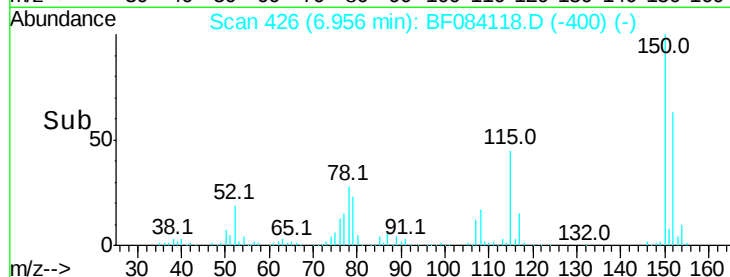
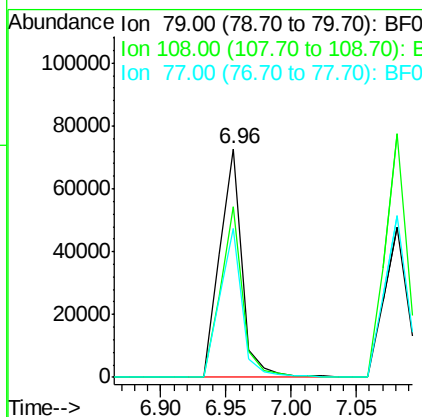
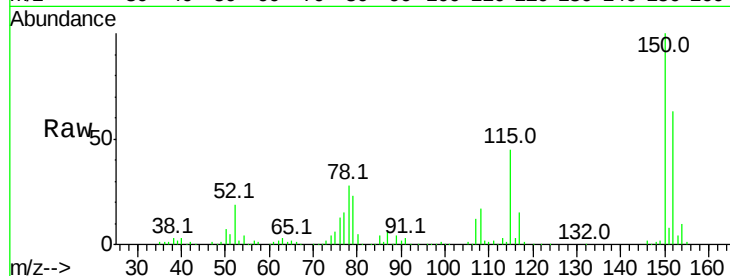
#15
Benzyl Alcohol
Concen: 30.40 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.7	69.0	103.4
77	65.1	50.0	75.0

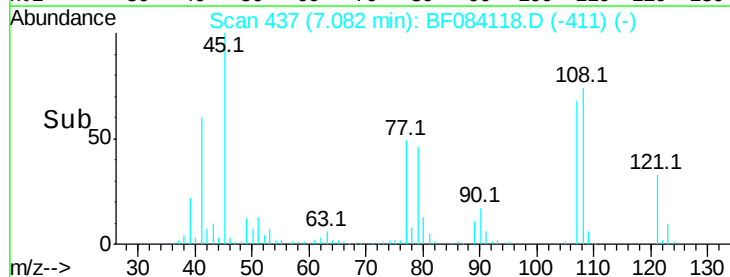
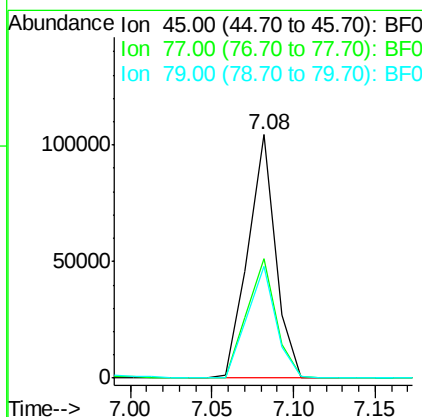
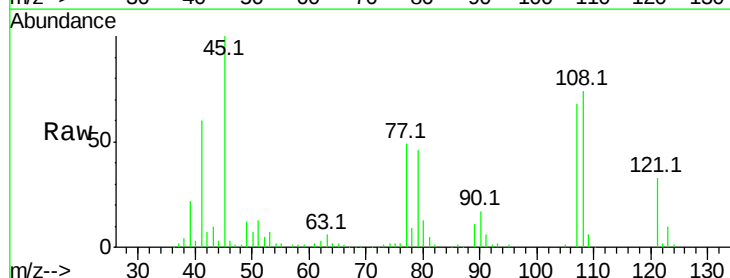
Manual Integrations
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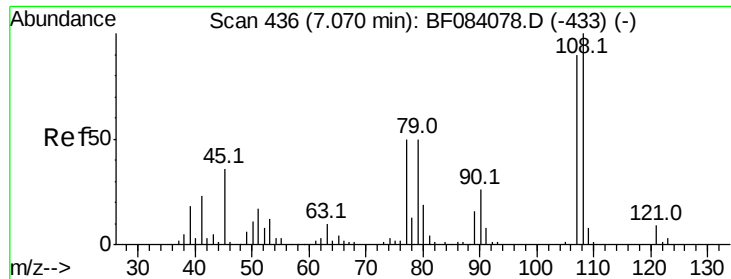
Sohil
12/28/2015 1:10:19 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.33 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	49.2	0.0	39.6#
79	45.9	0.0	35.0#





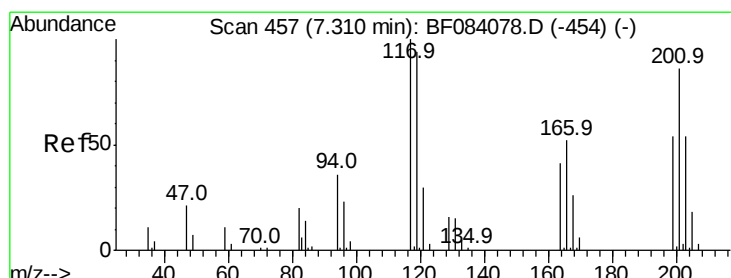
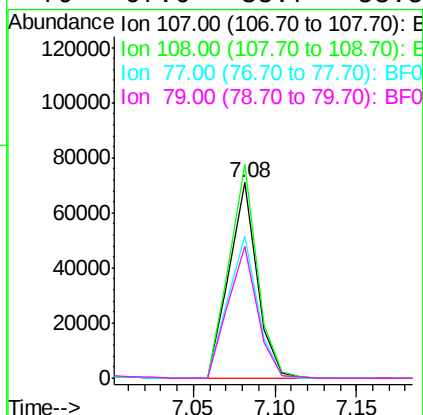
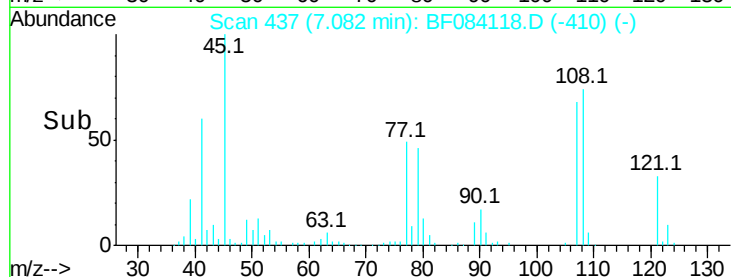
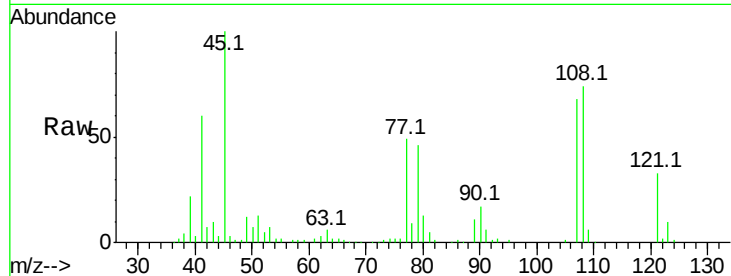
#17
2-Methylphenol
Concen: 29.08 ng
RT: 7.08 min Scan# 437
Delta R.T. 0.01 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.8	134.6
77	72.3	35.7	53.5#
79	67.6	35.7	53.5#

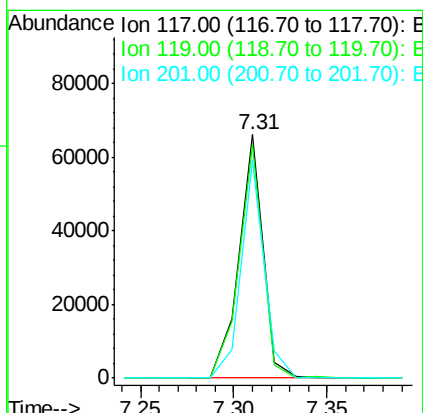
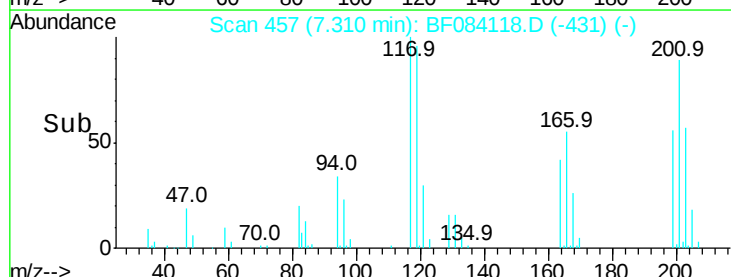
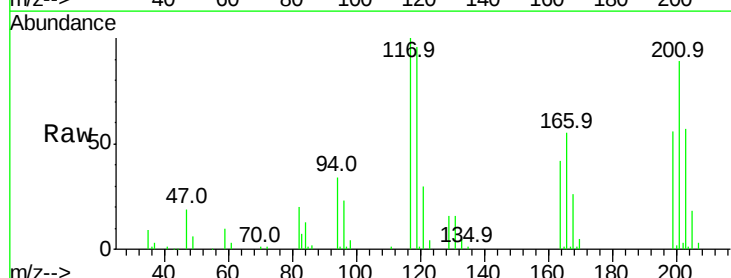
Manual Integrations
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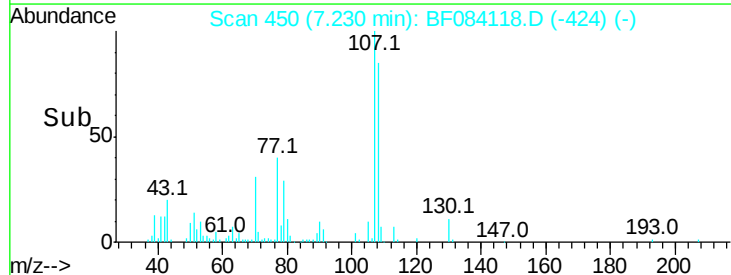
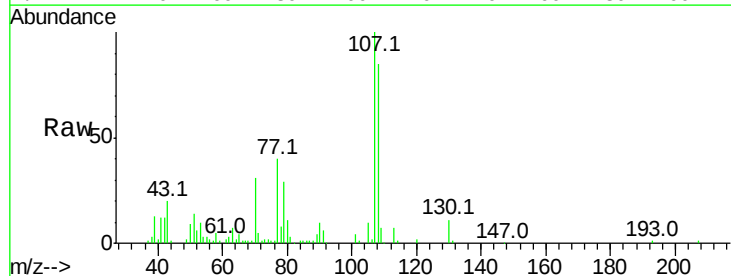
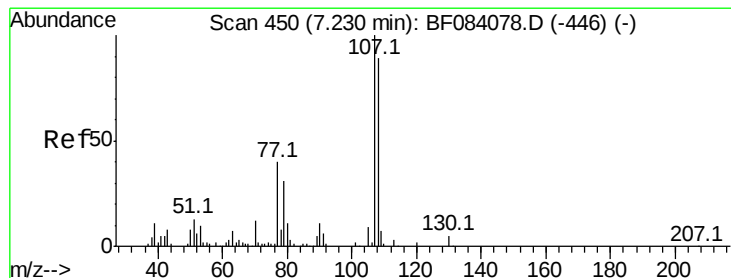
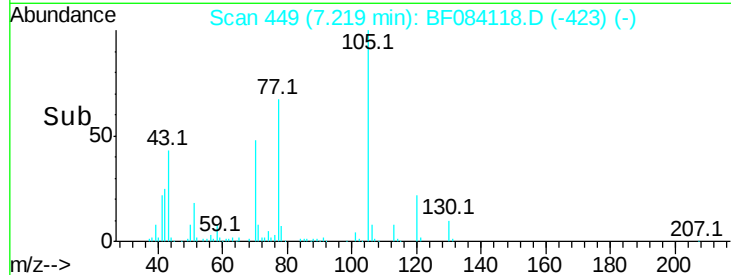
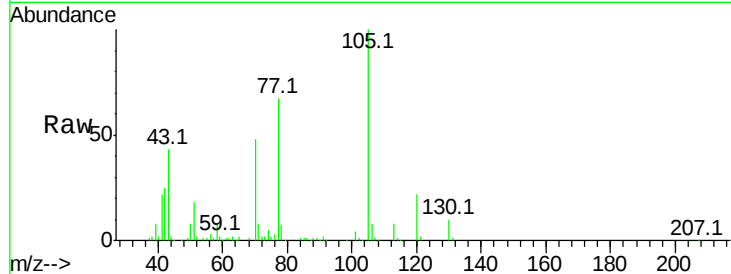
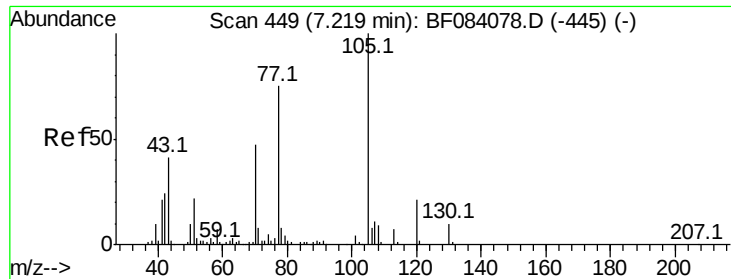
Sohil
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#18
Hexachloroethane
Concen: 39.12 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
201	89.3	68.6	103.0





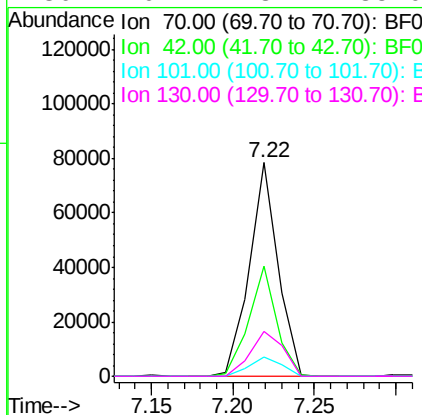
#19
n-Nitroso-di-n-propylamine
Concen: 40.97 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.8	33.3	49.9#
101	9.3	9.3	13.9#
130	20.7	23.4	35.0#

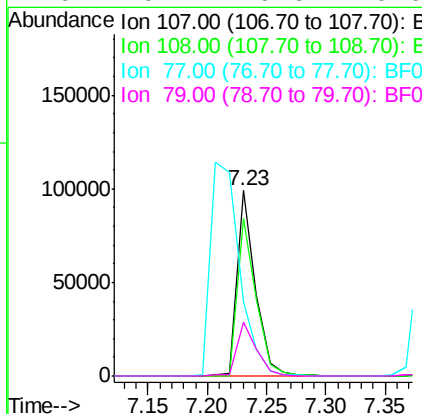
Manual Integrations
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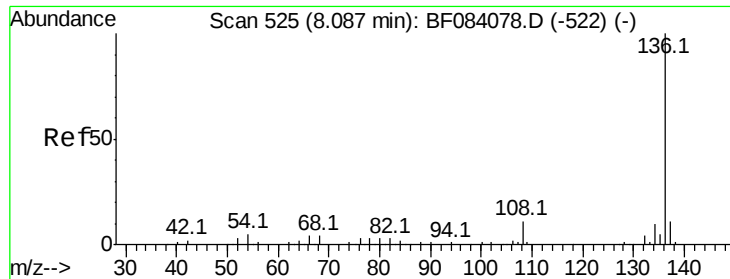
Sohil
12/28/2015 1:10:19 PM



#20
3+4-Methylphenols
Concen: 28.47 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.7	64.1	104.1
77	39.8	128.9	168.9#
79	29.1	9.6	49.6





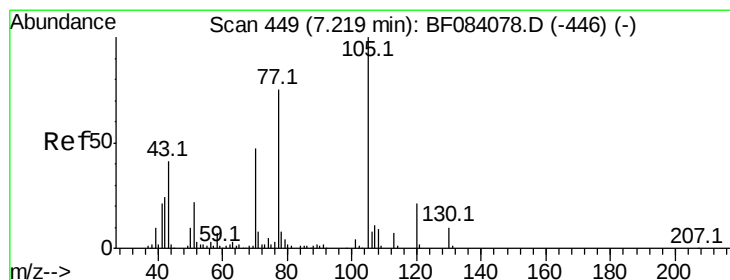
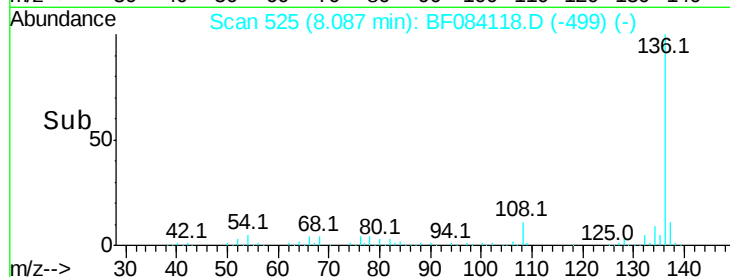
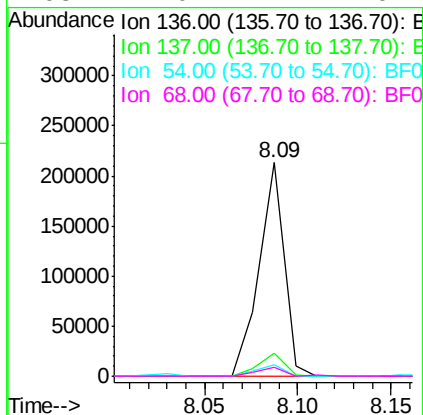
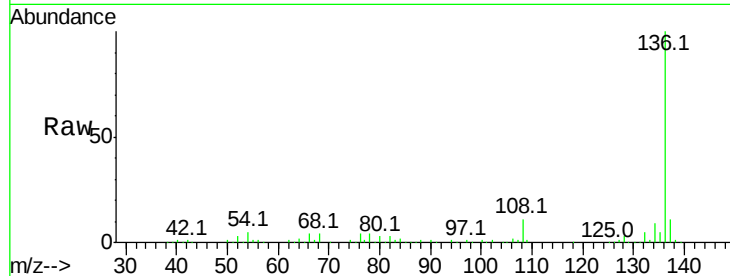
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	197417		
137	10.8	8.7	13.1	
54	5.4	5.8	8.8#	
68	4.0	4.2	6.2#	

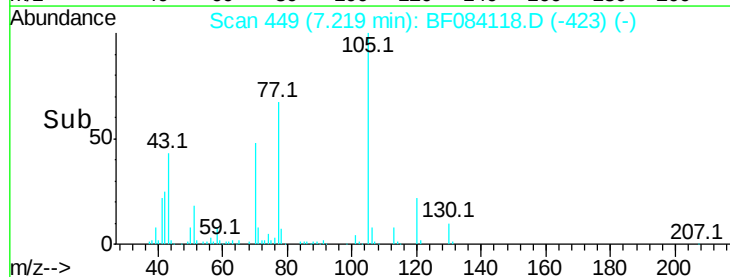
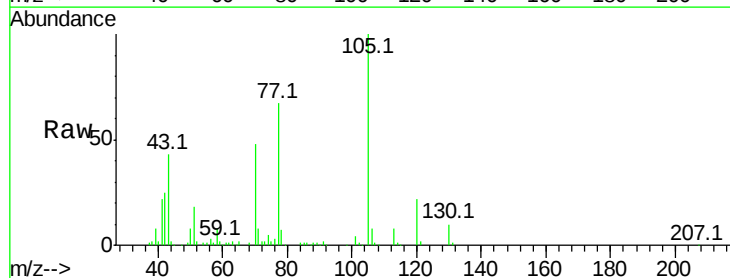
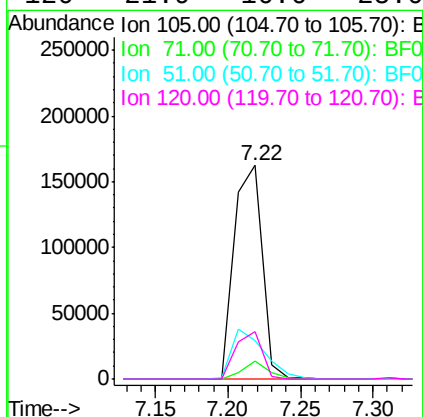
Manual Integrations
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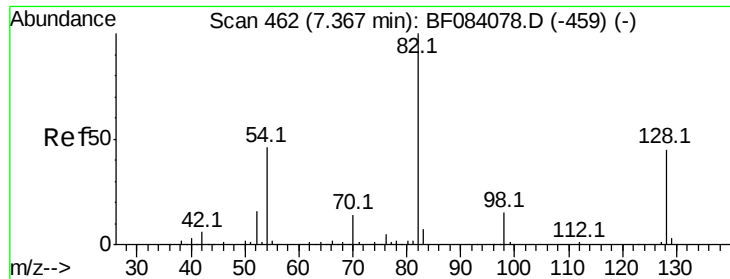
Sohil
12/28/2015 1:10:19 PM



#22
Acetophenone
Concen: 44.08 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217438		
71	8.1	3.7	5.5#	
51	18.2	25.1	37.7#	
120	21.9	16.6	25.0	





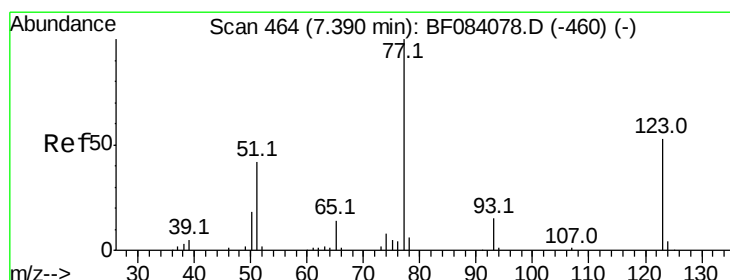
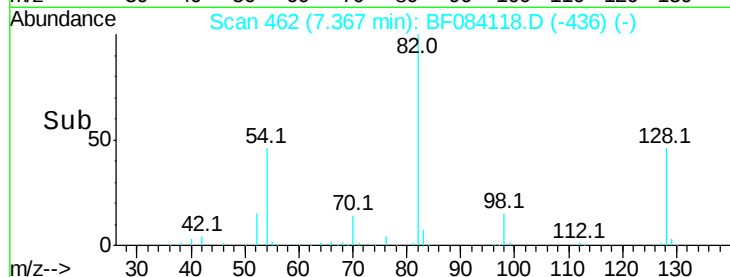
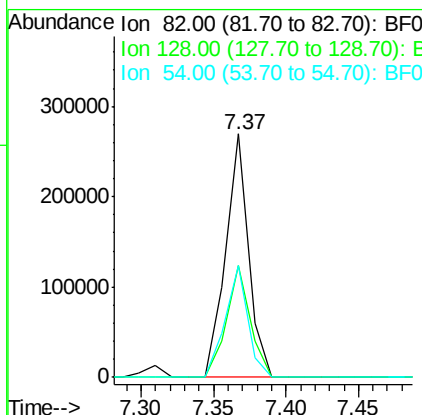
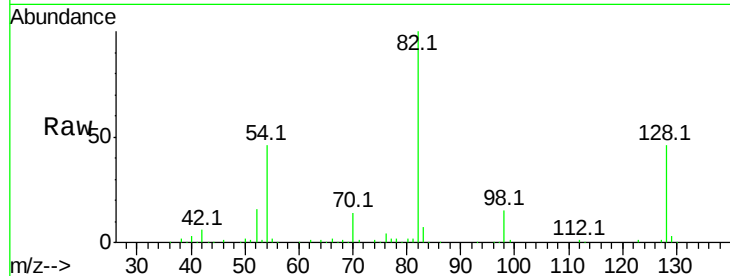
#23
 Nitrobenzene-d5
 Concen: 87.44 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	34.6	51.8	
54	46.2	38.4	57.6	

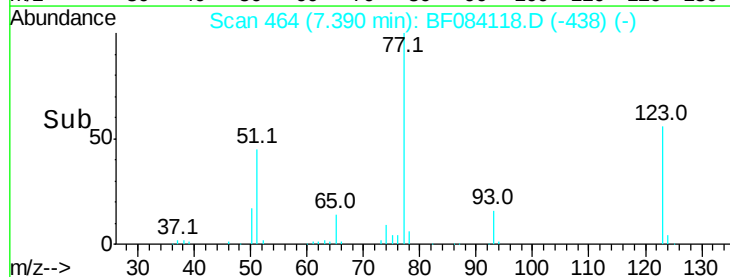
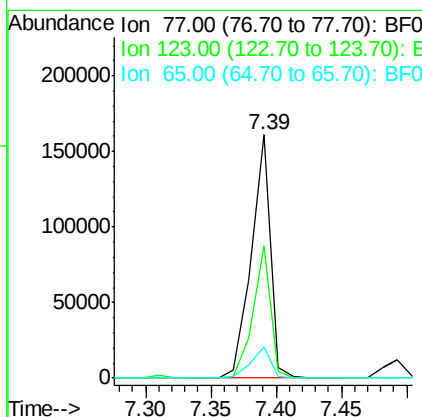
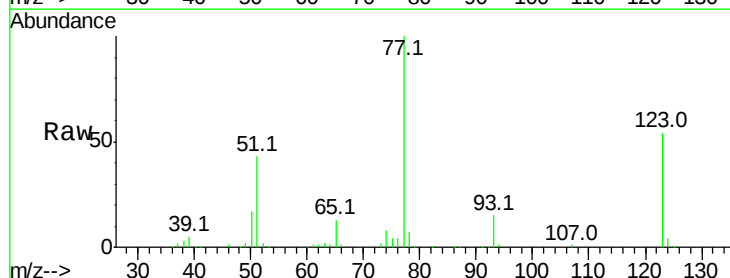
Manual Integrations
 APPROVED

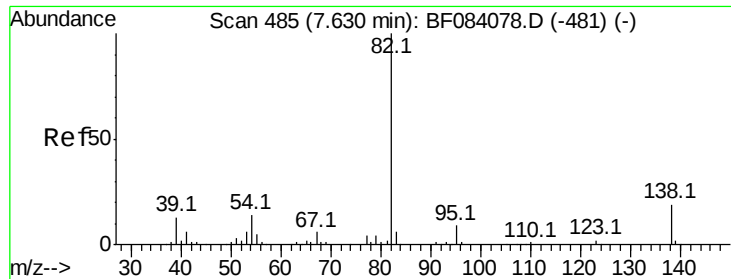
Sohil
 12/28/2015 1:10:19 PM



#24
 Nitrobenzene
 Concen: 46.12 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	54.2	37.4	56.2	
65	13.0	10.9	16.3	





#25

Isophorone

Concen: 45.42 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

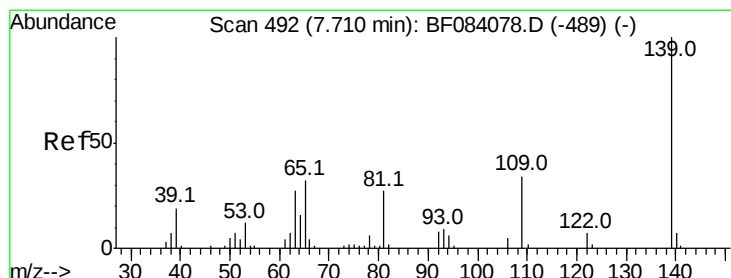
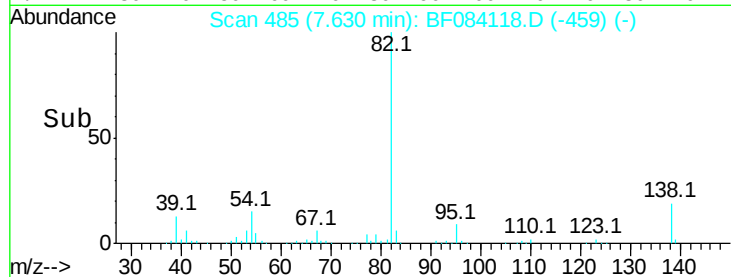
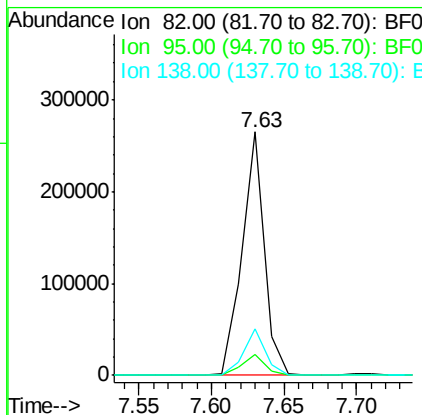
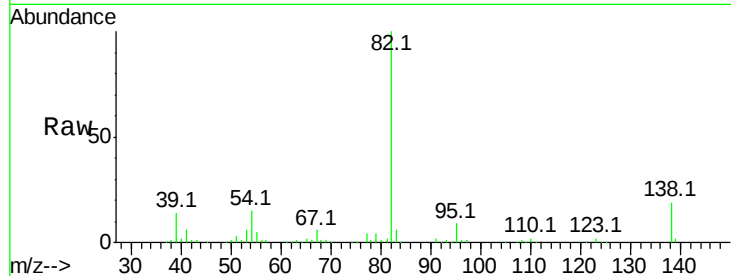
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	82	Resp:	283339
Ion Ratio	Lower	Upper	
82	100		
95	8.5	6.6	10.0
138	18.9	13.6	20.4

Manual Integrations
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12/28/2015 1:10:19 PM



#26

2-Nitrophenol

Concen: 45.33 ng

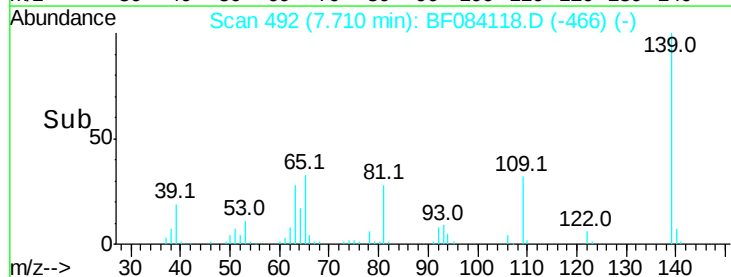
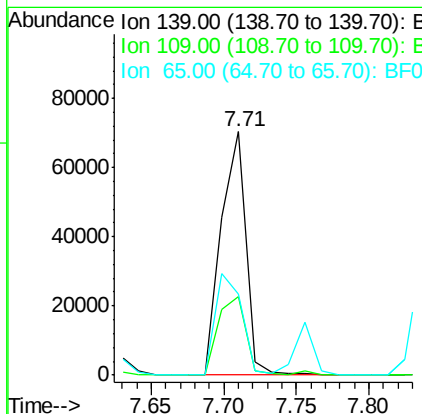
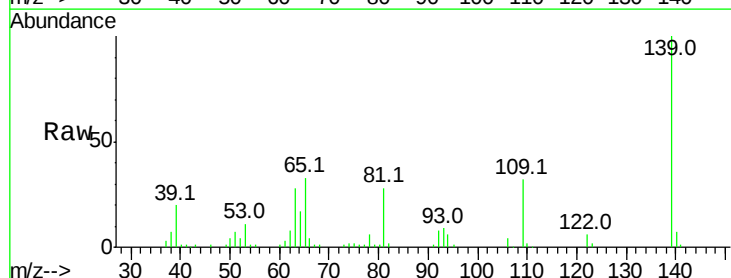
RT: 7.71 min Scan# 492

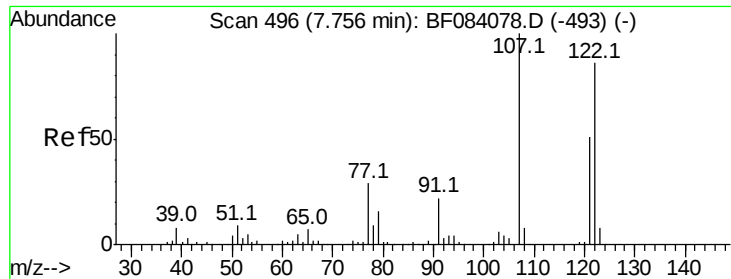
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	139	Resp:	83067
Ion Ratio	Lower	Upper	
139	100		
109	32.1	25.4	38.2
65	33.4	32.3	48.5





#27

2,4-Dimethylphenol

Concen: 41.69 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

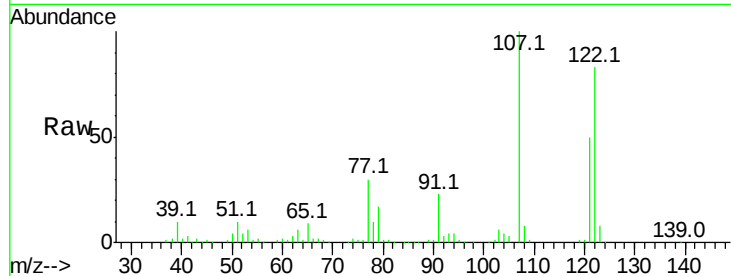
ClientSampleId :

PZ-1-122315MSD

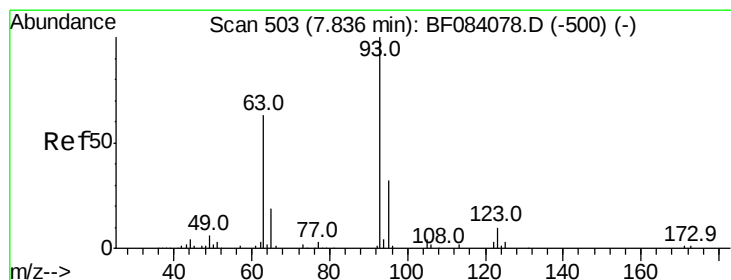
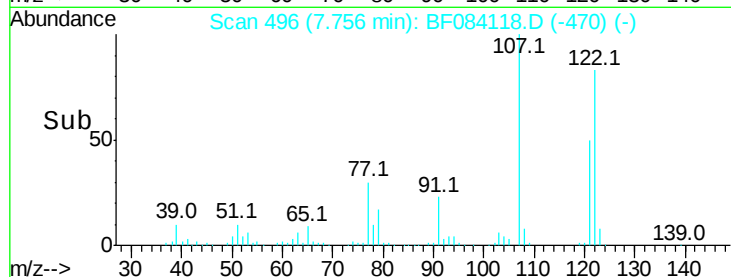
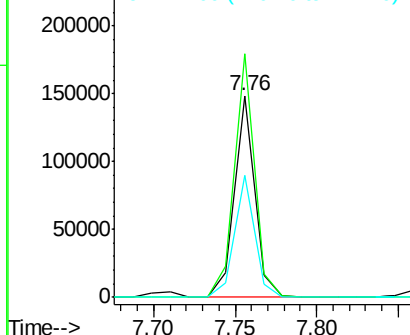
Tot Ion:	122	Resp:	126805
Ion Ratio	Lower	Upper	
122	100		
107	120.5	99.1	148.7
121	60.1	47.9	71.9

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



#28

bis(2-Chloroethoxy)methane

Concen: 43.72 ng

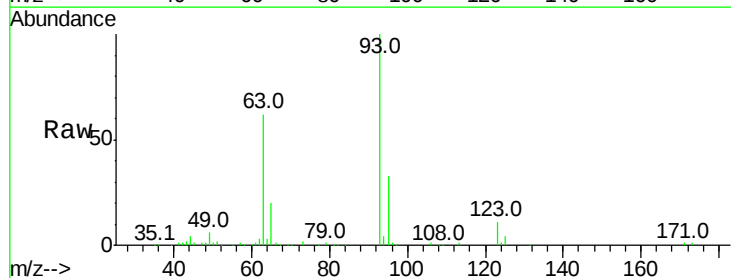
RT: 7.84 min Scan# 503

Delta R.T. -0.00 min

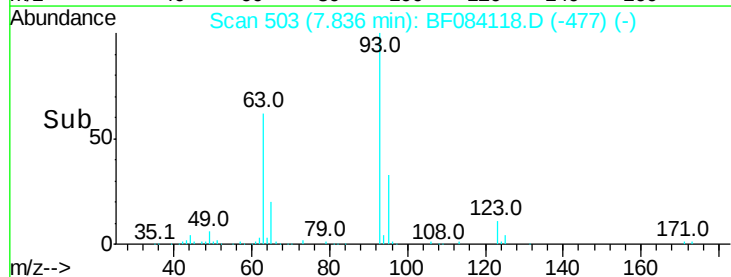
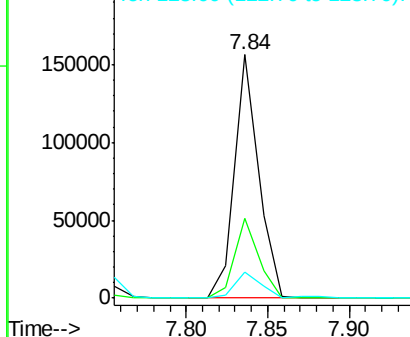
Lab File: BF084118.D

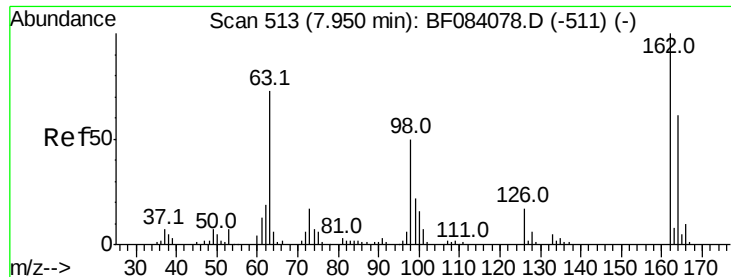
Acq: 25 Dec 2015 9:46

Tgt Ion:	93	Resp:	159032
Ion Ratio	Lower	Upper	
93	100		
95	32.7	25.8	38.6
123	10.8	8.6	12.8



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





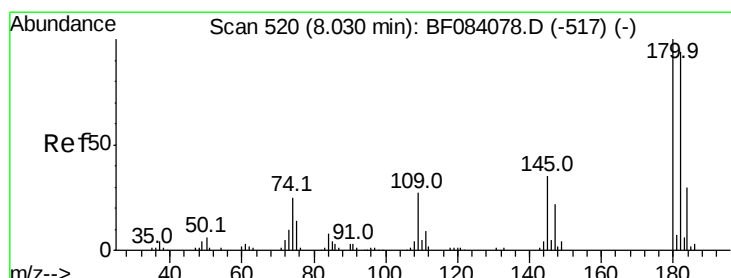
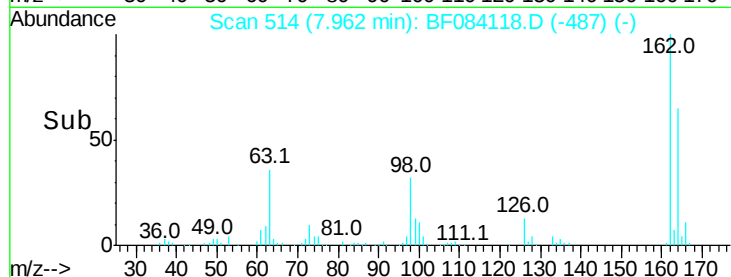
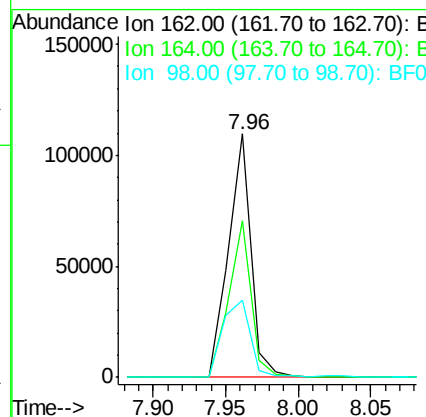
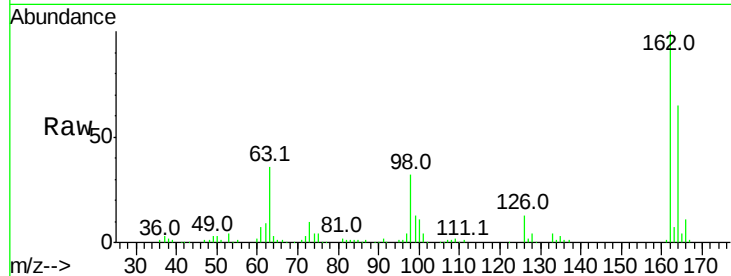
#29
 2,4-Dichlorophenol
 Concen: 41.83 ng
 RT: 7.96 min Scan# 514
 Delta R.T. 0.01 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.5	44.1	84.1
98	31.9	20.2	60.2

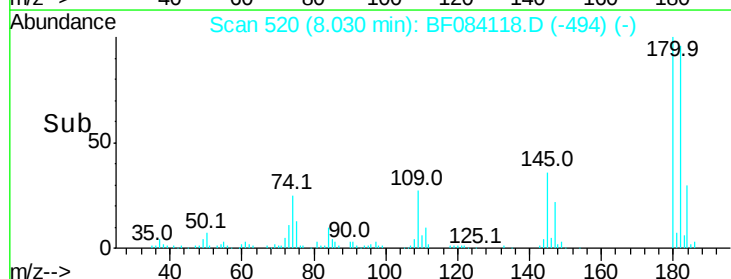
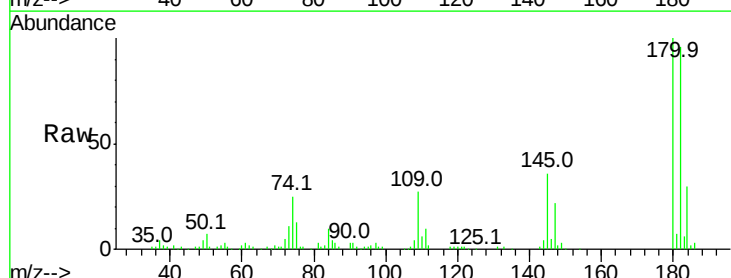
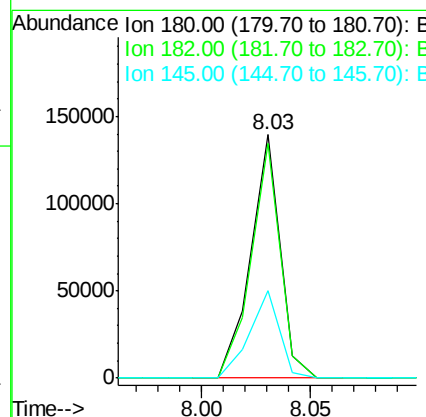
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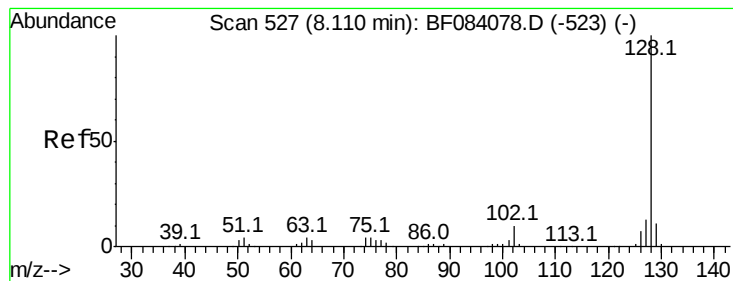
Sohil
 12/28/2015 1:10:19 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.28 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.3	76.4	114.6
145	35.8	31.6	47.4





#31

Naphthalene

Concen: 43.86 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

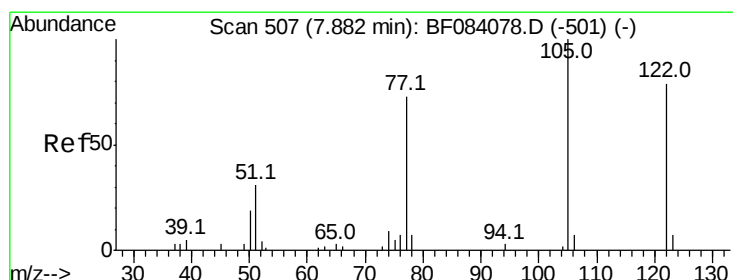
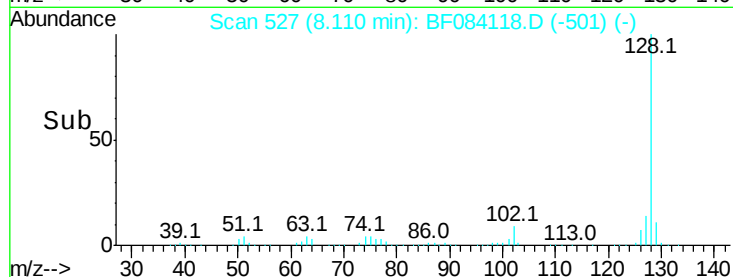
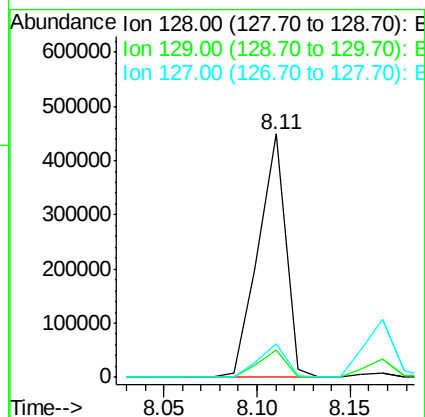
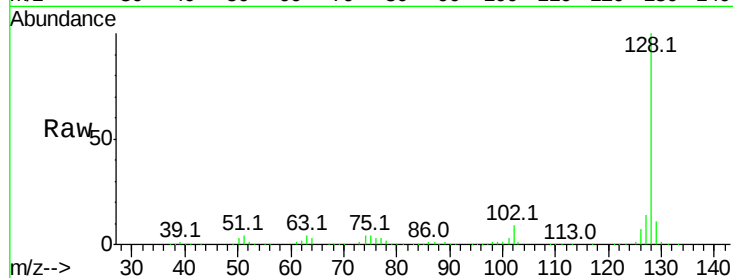
ClientSampleId :

PZ-1-122315MSD

Tot Ion:128	Resp:	460640
Ion Ratio	Lower	Upper
128	100	
129	11.2	9.1 13.7
127	13.7	11.1 16.7

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#32

Benzoic acid

Concen: 14.36 ng

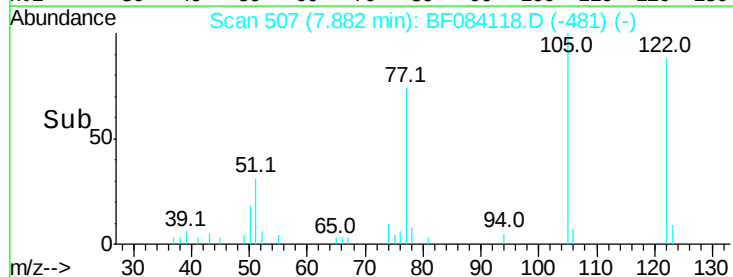
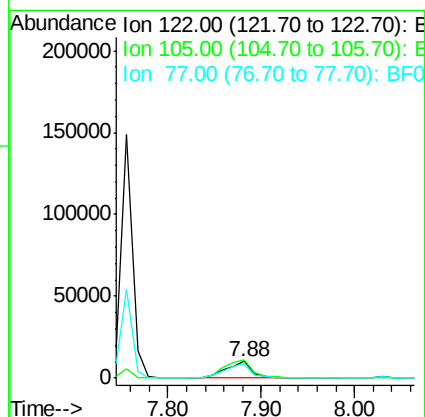
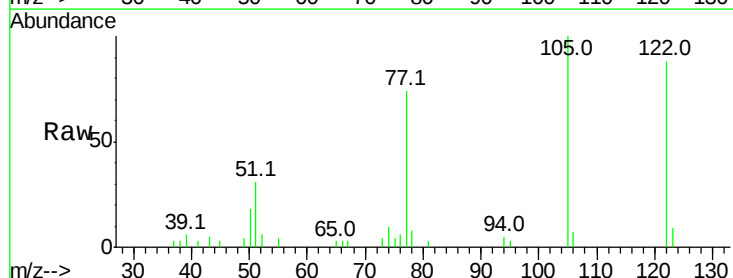
RT: 7.88 min Scan# 507

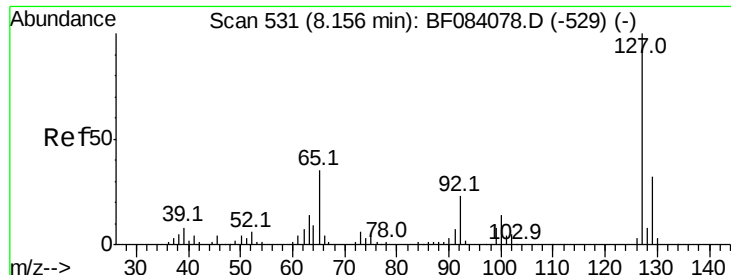
Delta R.T. 0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:122	Resp:	20949
Ion Ratio	Lower	Upper
122	100	
105	114.0	100.3 140.3
77	84.0	63.5 103.5





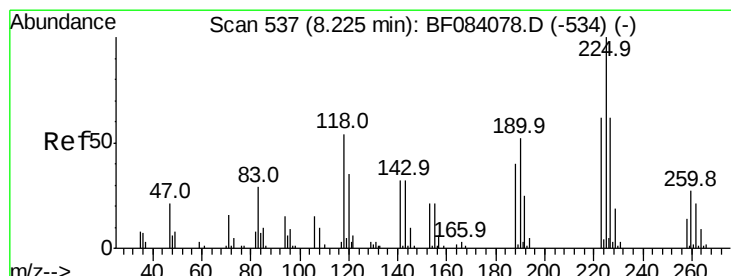
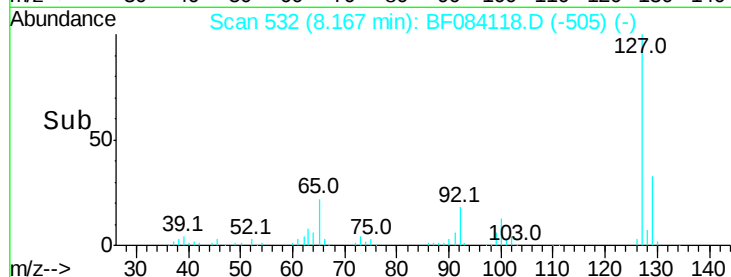
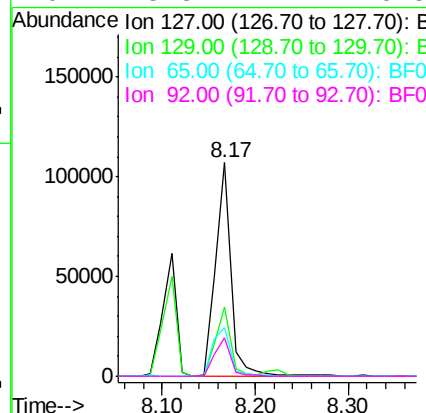
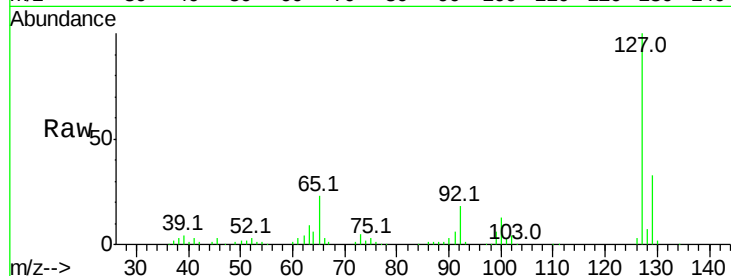
#33
4-Chloroaniline
Concen: 29.69 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	32.5	26.5	39.7
65	22.8	27.2	40.8
92	18.3	17.7	26.5

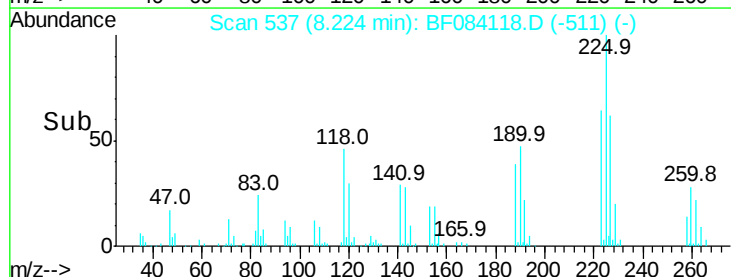
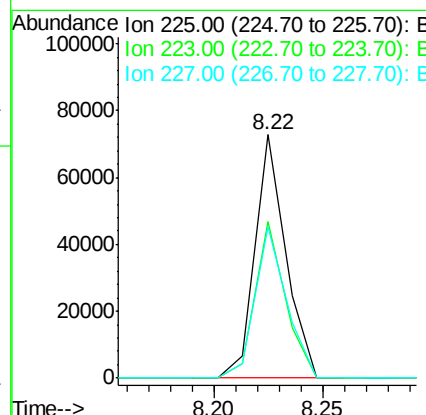
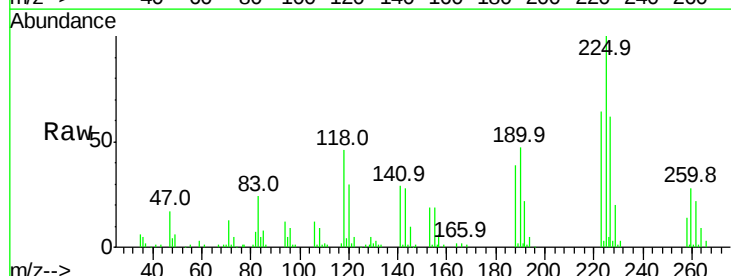
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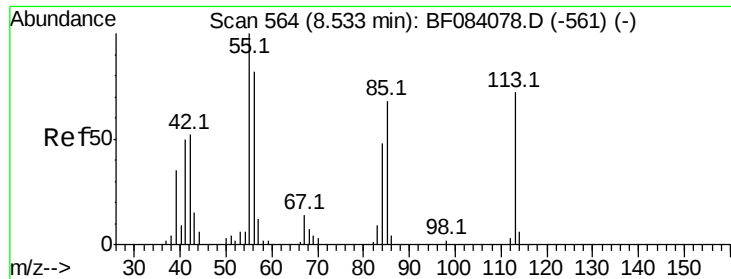
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#34
Hexachlorobutadiene
Concen: 40.48 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	64.2	49.4	74.0
227	62.4	50.8	76.2





#35

Caprolactam

Concen: 15.50 ng

RT: 8.66 min Scan# 575

Delta R.T. 0.13 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

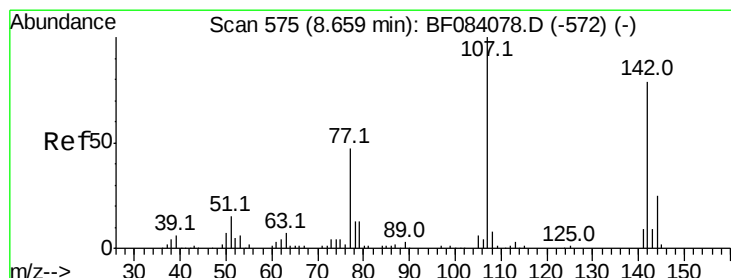
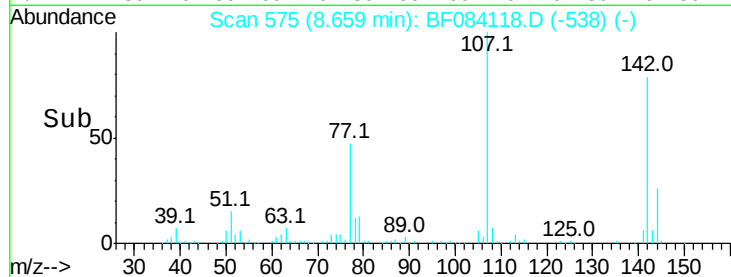
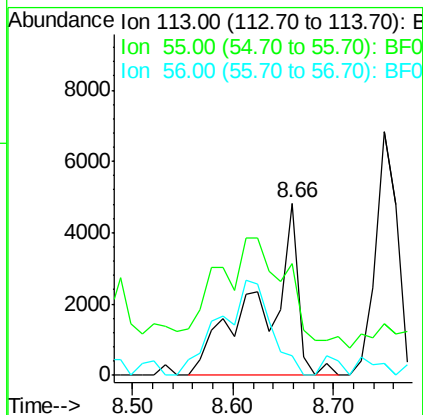
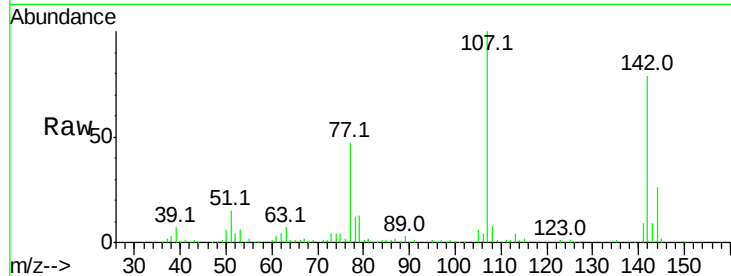
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	113	Resp:	12144
Ion Ratio	Lower	Upper	
113	100		
55	65.0	116.9	156.9#
56	11.5	93.8	133.8#

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#36

4-Chloro-3-methylphenol

Concen: 40.96 ng

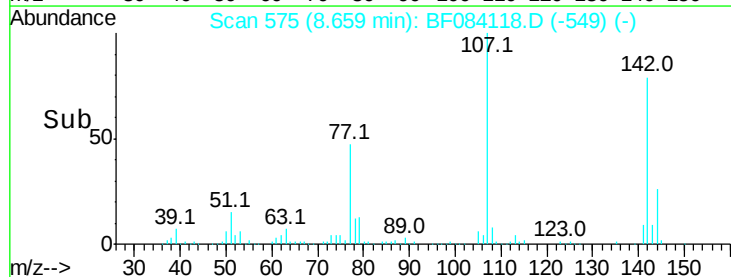
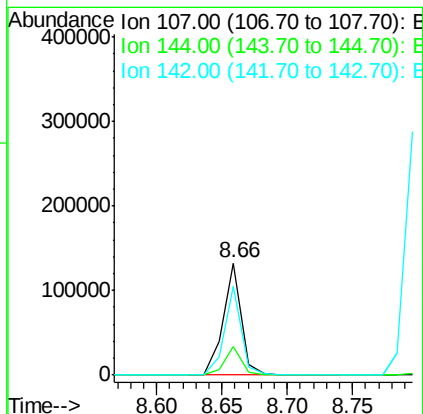
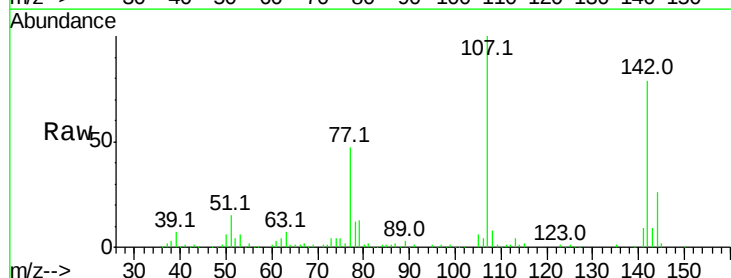
RT: 8.66 min Scan# 575

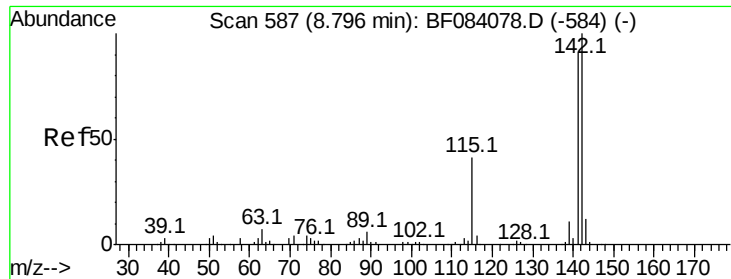
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	107	Resp:	130118
Ion Ratio	Lower	Upper	
107	100		
144	25.7	19.7	29.5
142	79.3	61.8	92.6





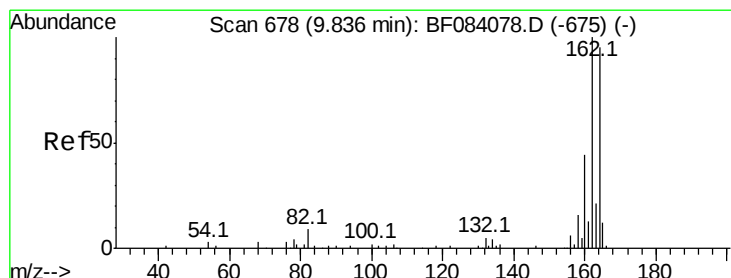
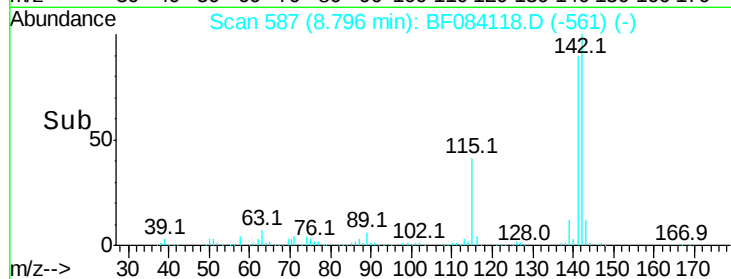
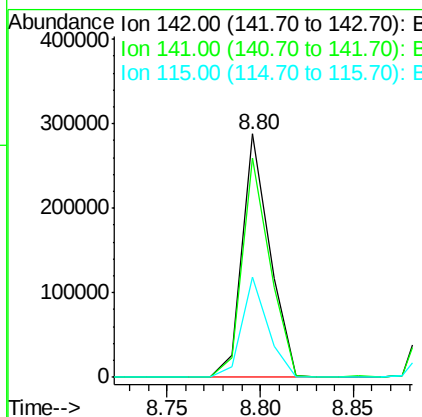
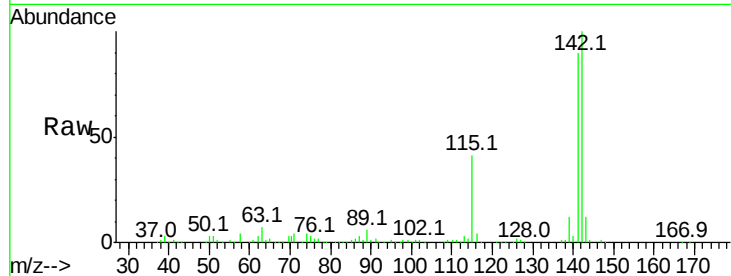
#37
2-Methylnaphthalene
Concen: 45.13 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	296706		
141	90.3	72.4	108.6	
115	41.0	27.9	41.9	

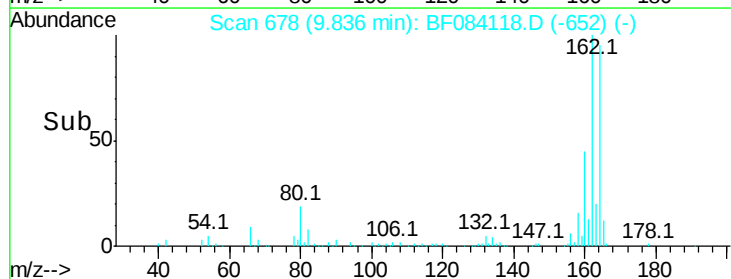
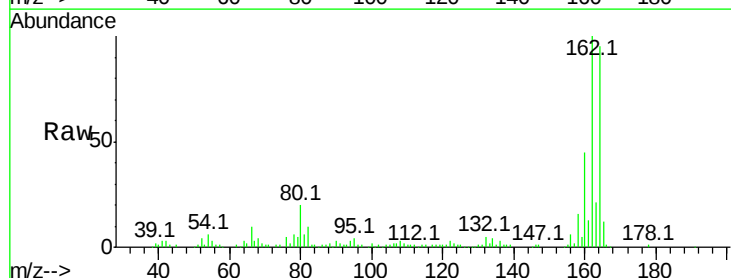
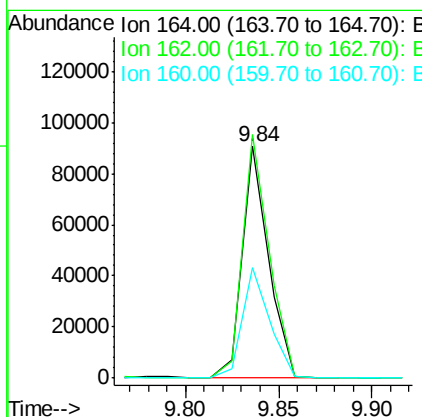
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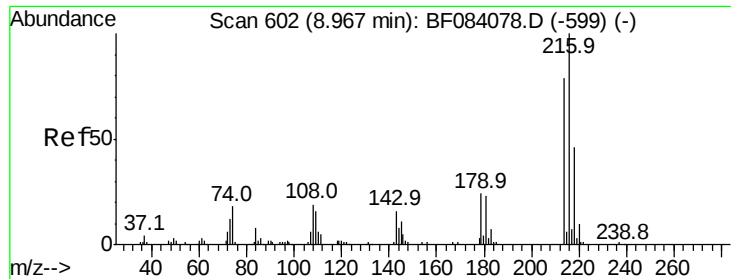
Sohil
12/28/2015 1:10:19 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89436		
162	105.0	85.1	127.7	
160	47.6	37.5	56.3	





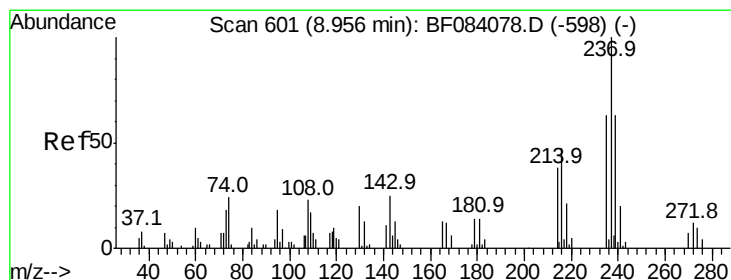
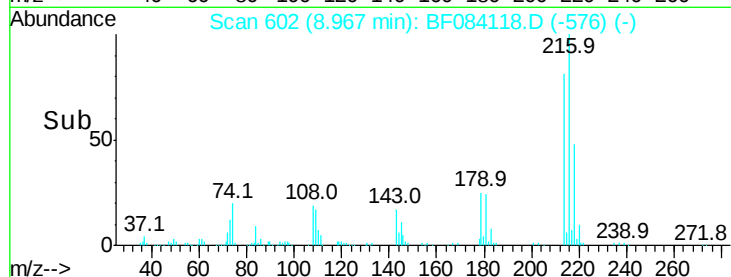
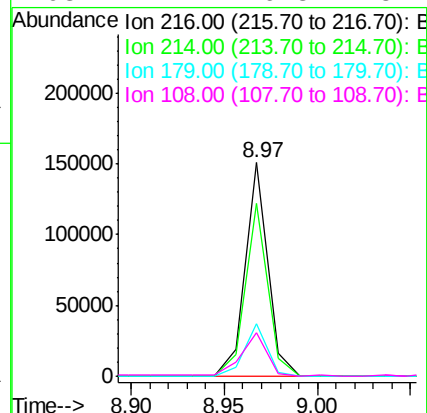
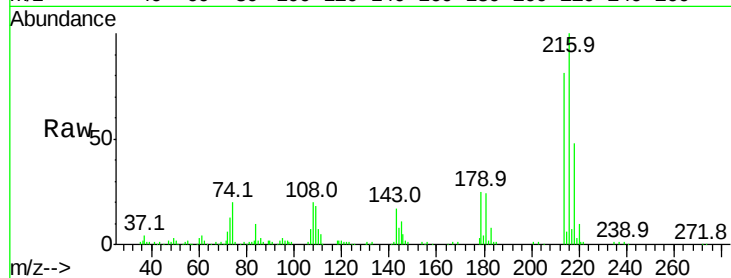
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.40 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	128012		
214	80.5	64.2	96.2	
179	24.7	18.7	28.1	
108	22.1	16.8	25.2	

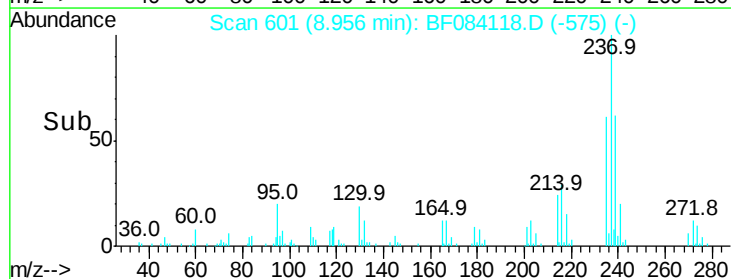
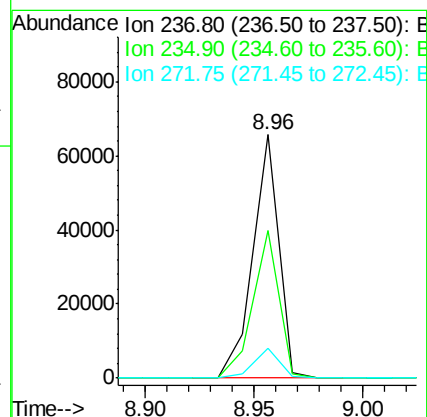
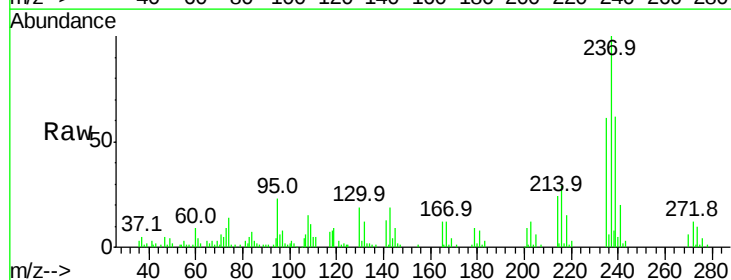
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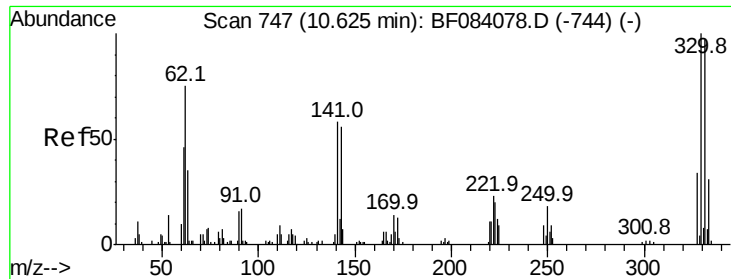
Sohil
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#40
 Hexachlorocyclopentadiene
 Concen: 69.94 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	54454		
235	60.5	43.1	83.1	
272	12.4	0.0	35.1	





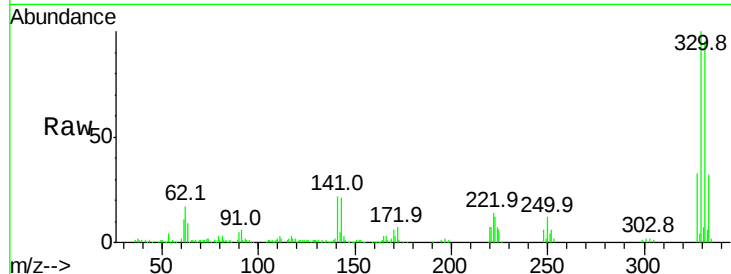
#41
 2,4,6-Tribromophenol
 Concen: 149.93 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	142995		
332	94.7	76.6	114.8	
141	36.6	27.8	41.6	

Manual Integrations
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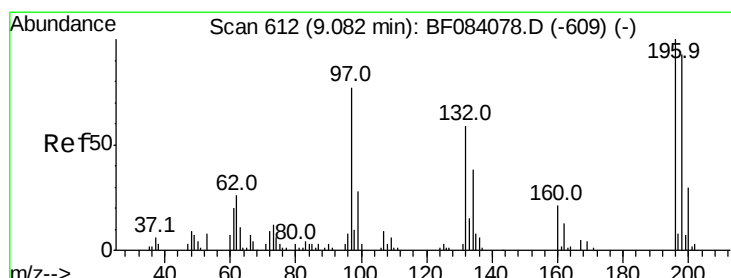
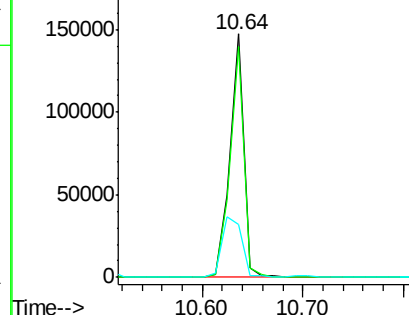
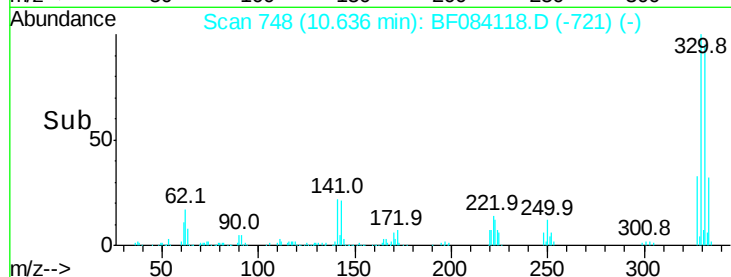
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

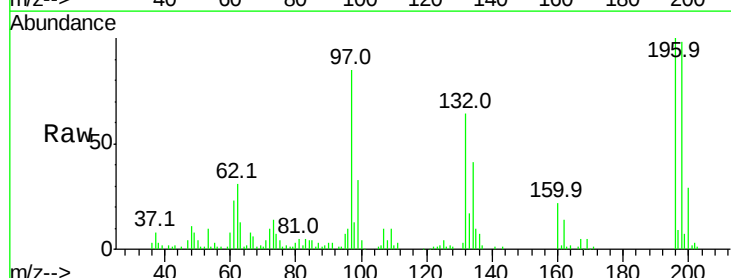
Ion 141.00 (140.70 to 141.70): E

10.64



#42
 2,4,6-Trichlorophenol
 Concen: 42.22 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	77609		
198	98.0	77.7	116.5	
200	29.2	24.6	37.0	



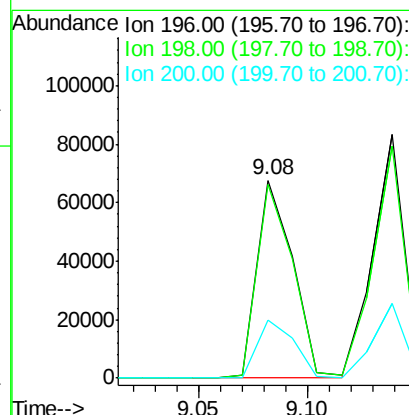
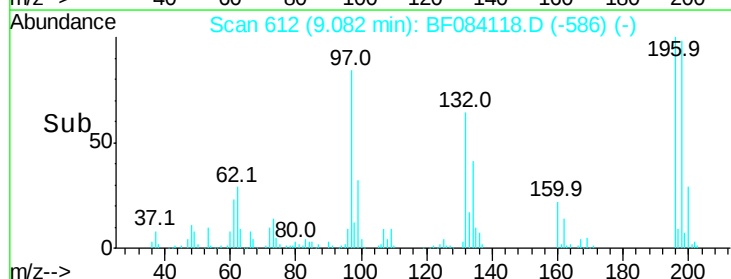
Abundance

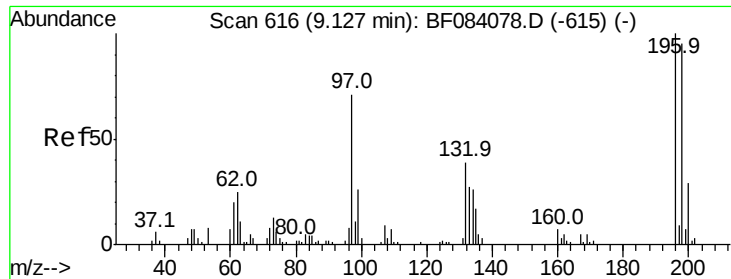
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

9.08





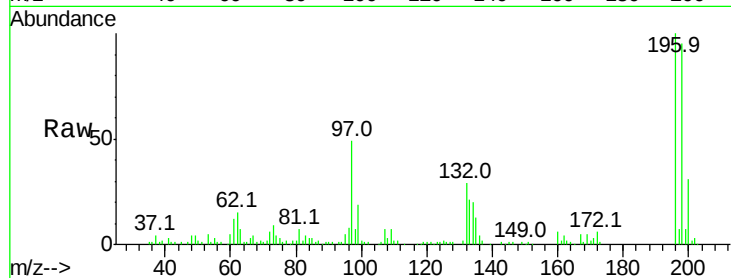
#43
 2,4,5-Trichlorophenol
 Concen: 46.91 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

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Tot Ion	196	Resp	86322
Ion Ratio	Lower	Upper	
196	100		
198	95.4	79.0	118.6
97	49.0	33.0	49.6
132	29.5	21.1	31.7



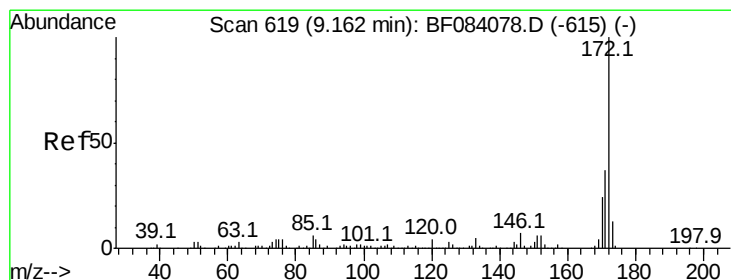
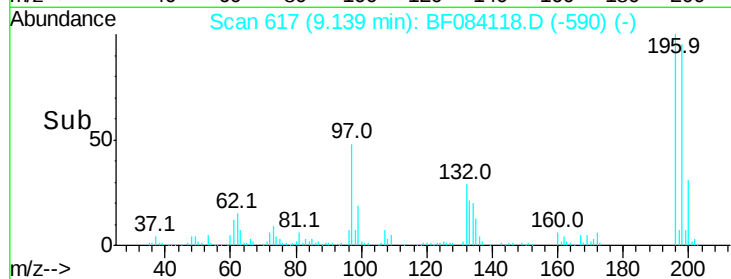
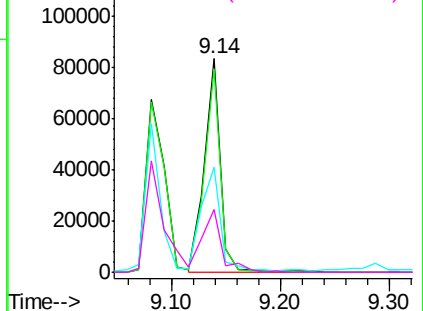
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

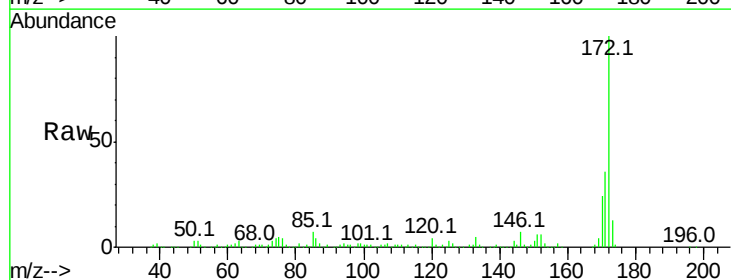
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 85.96 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	172	Resp	561851
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.9	43.3
170	24.2	18.6	27.8

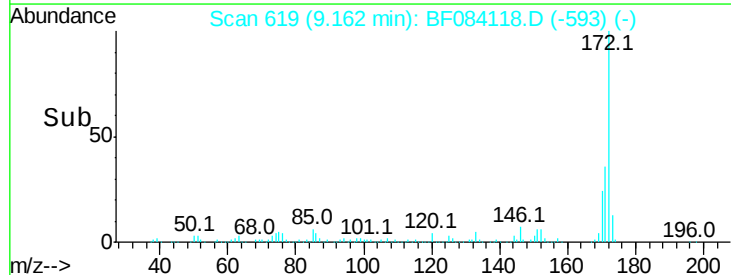
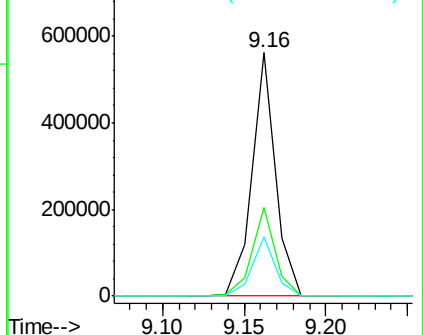


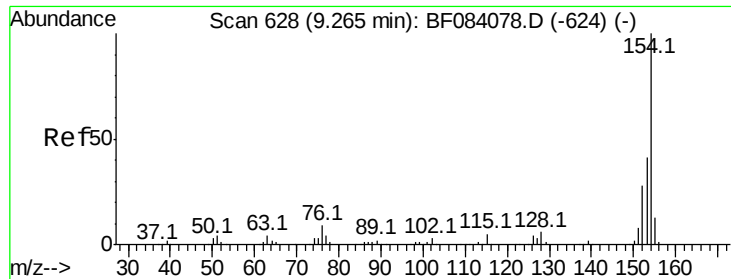
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





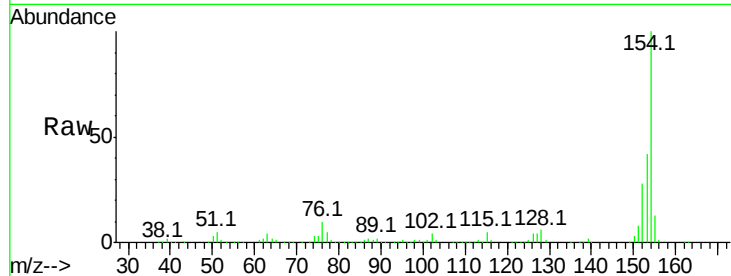
#45
 1,1'-Biphenyl
 Concen: 47.68 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

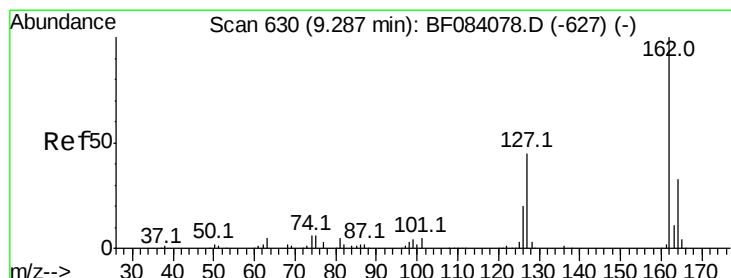
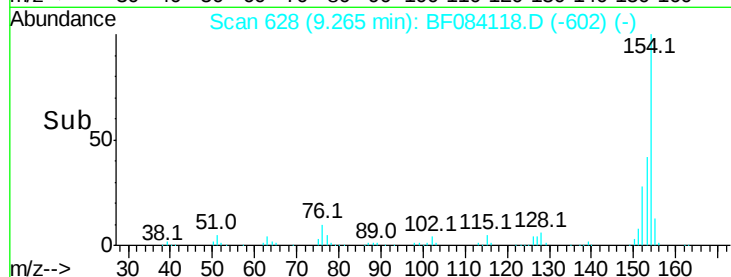
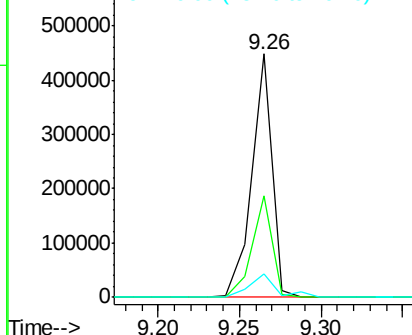
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.9	21.6	61.6
76	9.8	0.0	32.7

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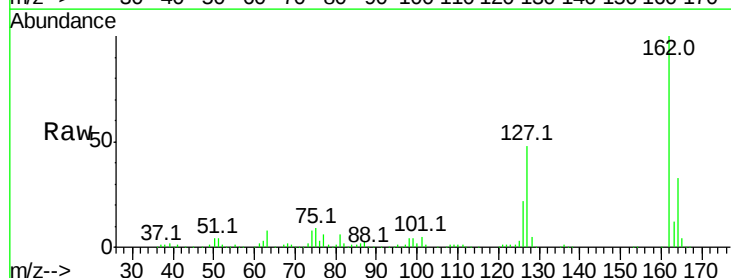


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

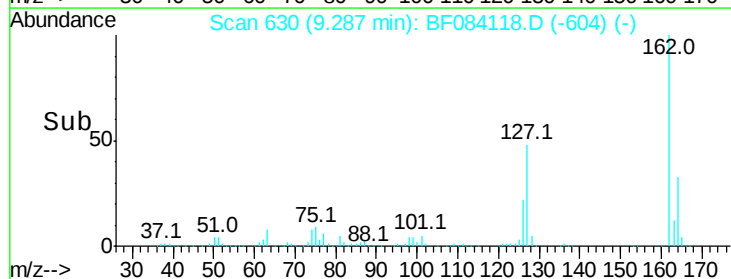
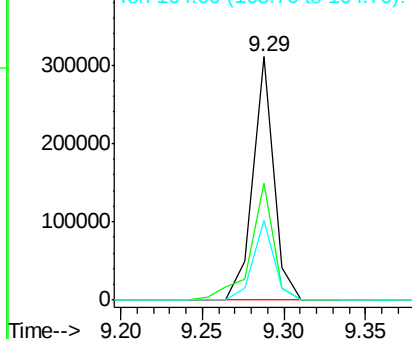


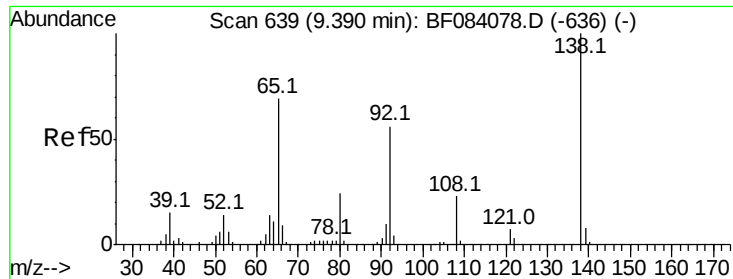
#46
 2-Chloronaphthalene
 Concen: 44.87 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
162	100		
127	47.9	40.2	60.4
164	32.5	25.7	38.5



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





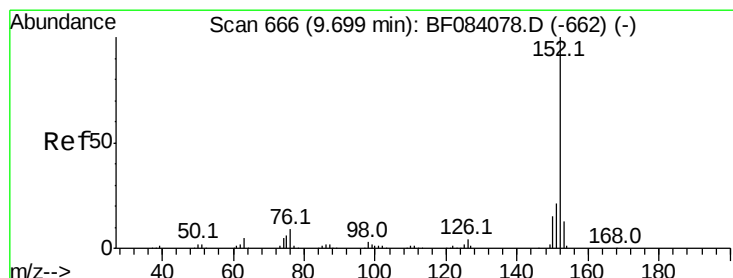
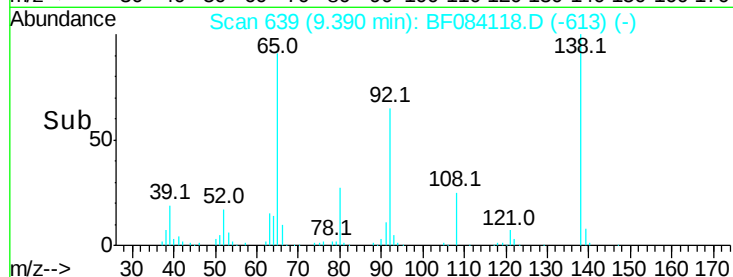
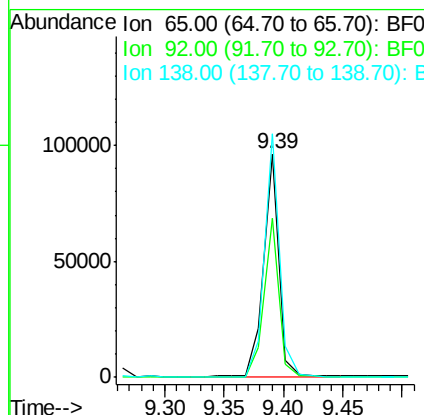
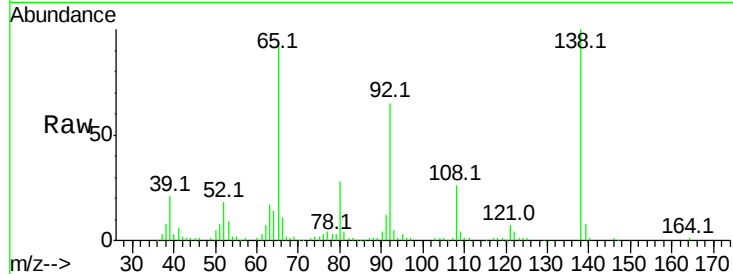
#47
 2-Nitroaniline
 Concen: 52.98 ng
 RT: 9.39 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp Lower	Upper
65	100		
92	71.1	53.4	80.2
138	108.9	71.1	106.7

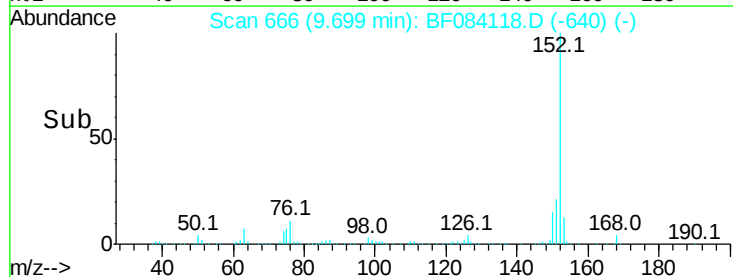
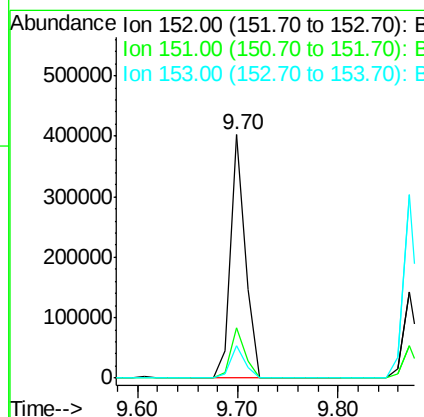
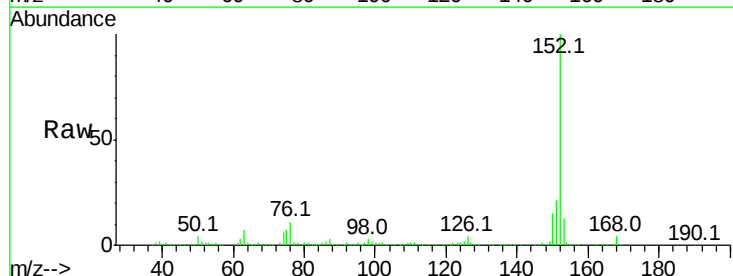
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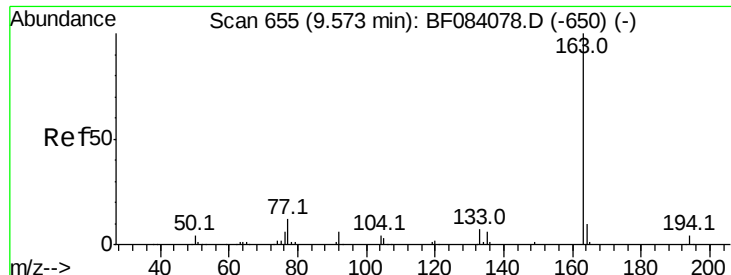
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#48
 Acenaphthylene
 Concen: 40.70 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.4	10.4	15.6





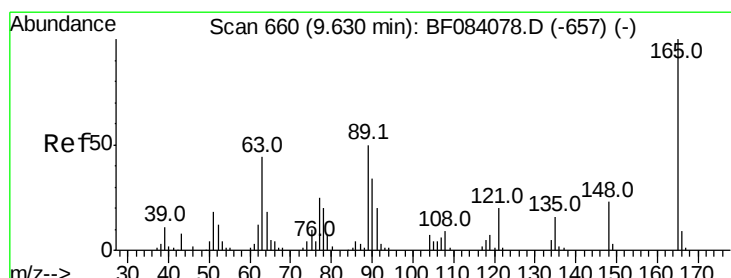
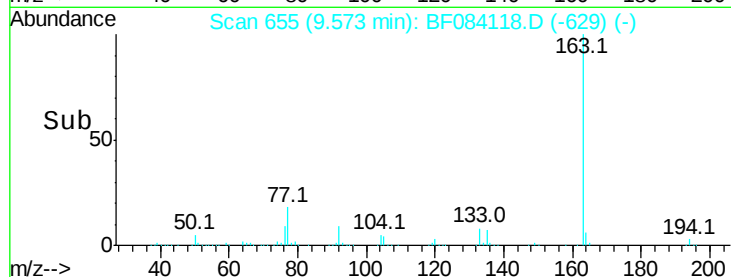
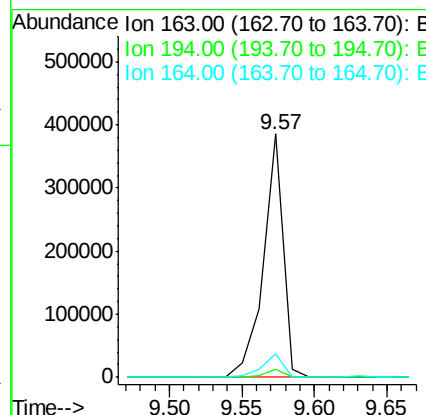
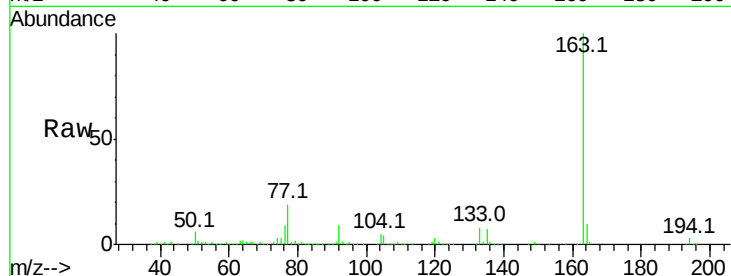
#49
Dimethylphthalate
Concen: 49.34 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	8.0	12.0#
164	9.8	8.0	12.0

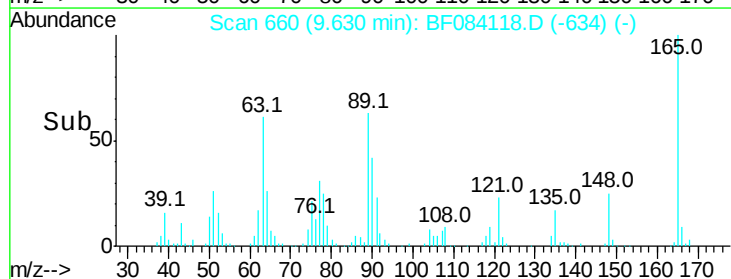
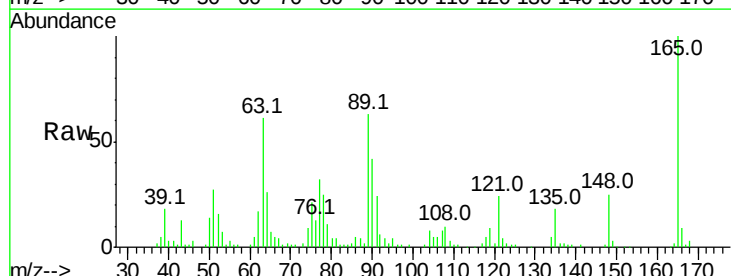
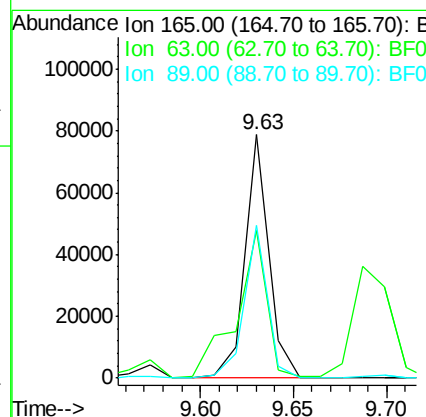
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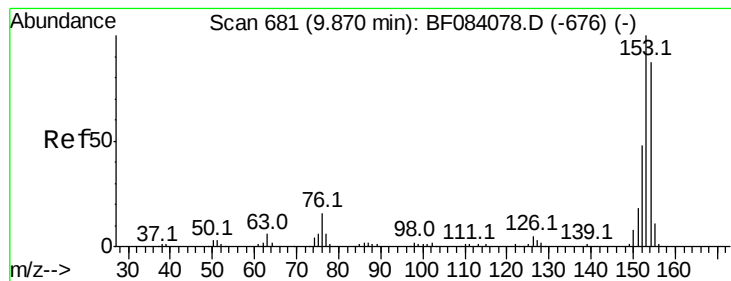
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#50
2,6-Dinitrotoluene
Concen: 44.57 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	60.7	28.8	43.2#
89	62.8	35.1	52.7#





#51

Acenaphthene

Concen: 42.54 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

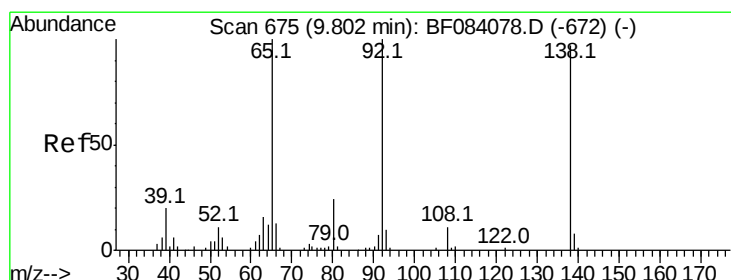
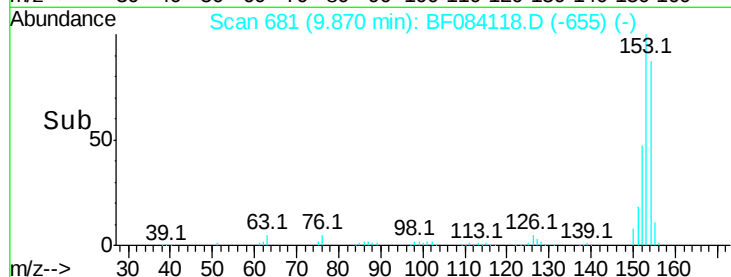
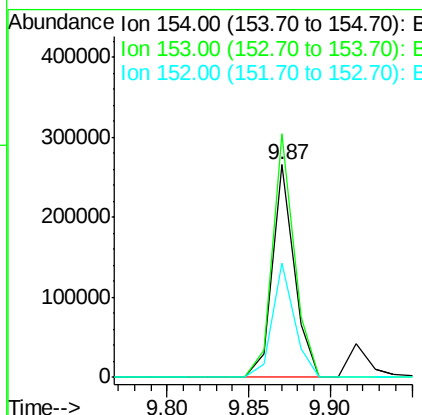
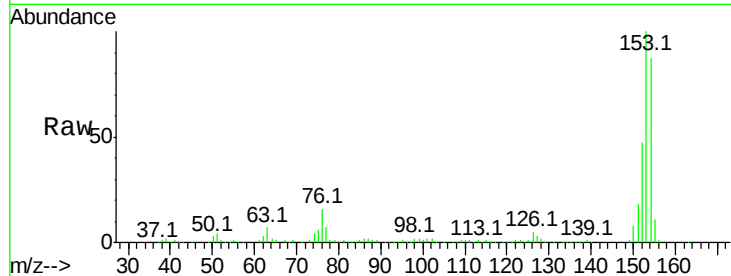
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	154	Resp:	249581
Ion Ratio	Lower	Upper	
154	100		
153	114.6	91.5	137.3
152	53.9	43.0	64.6

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#52

3-Nitroaniline

Concen: 26.45 ng

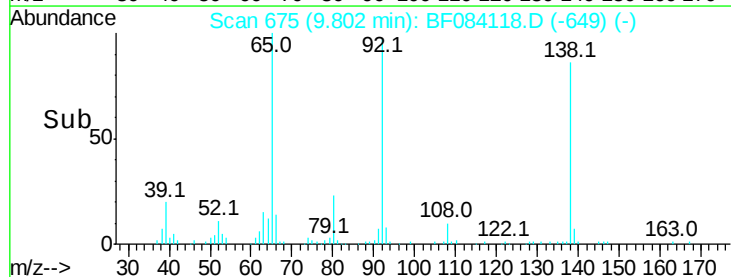
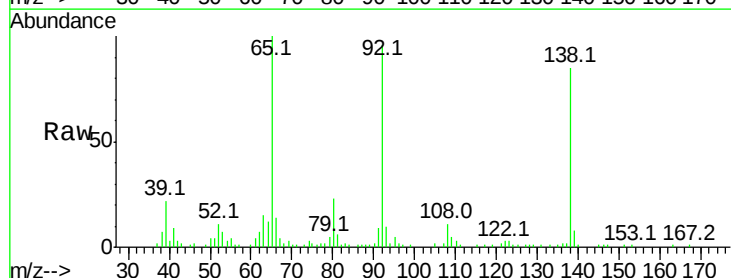
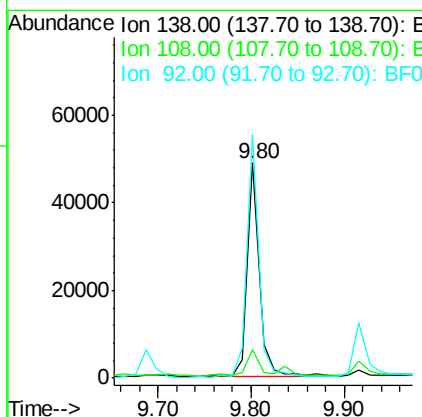
RT: 9.80 min Scan# 675

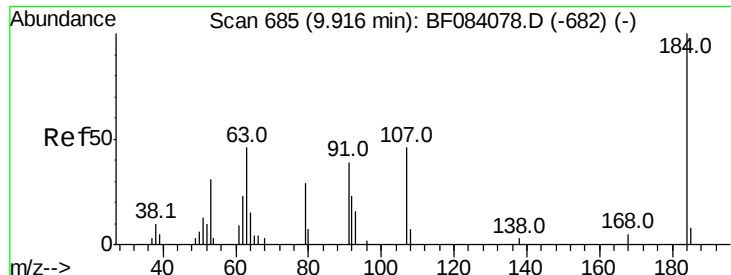
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	138	Resp:	44638
Ion Ratio	Lower	Upper	
138	100		
108	13.1	10.5	15.7
92	113.2	103.9	155.9





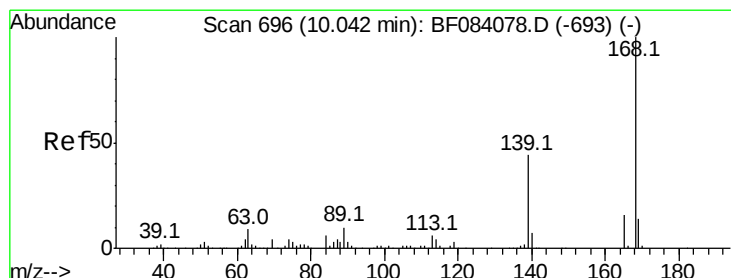
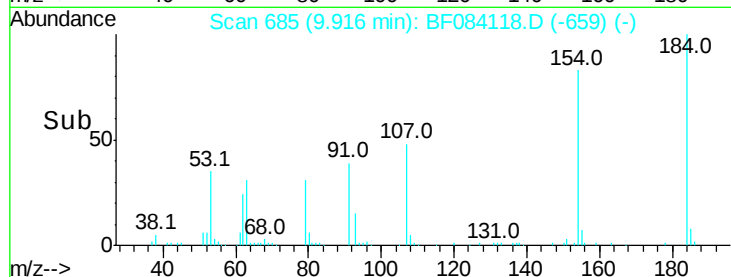
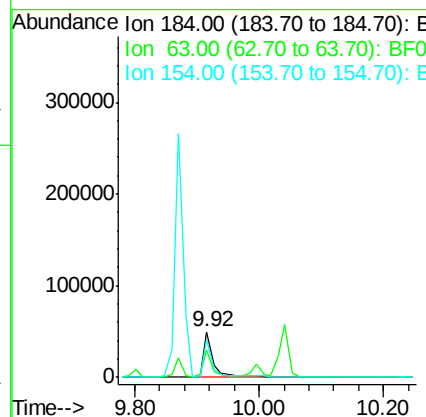
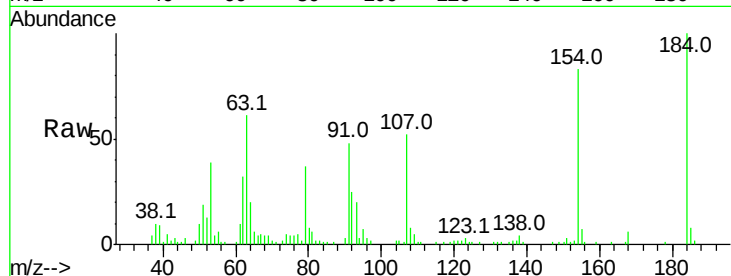
#53
 2,4-Dinitrophenol
 Concen: 88.31 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	60.9	43.1	64.7	
154	82.8	60.5	90.7	

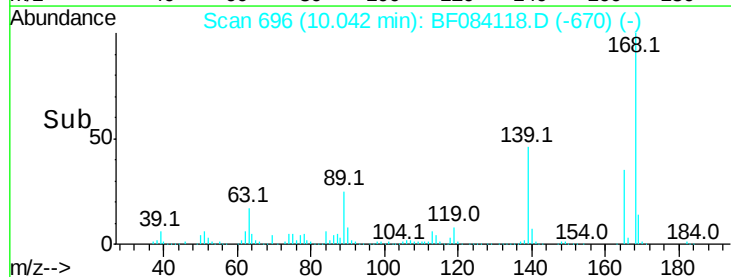
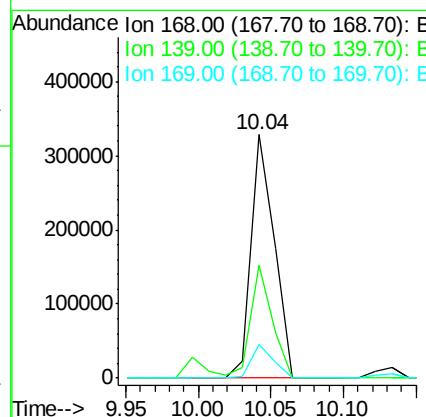
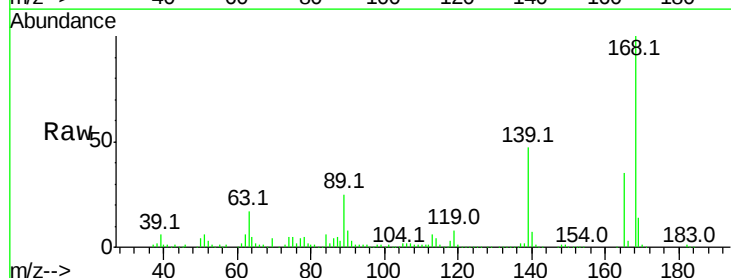
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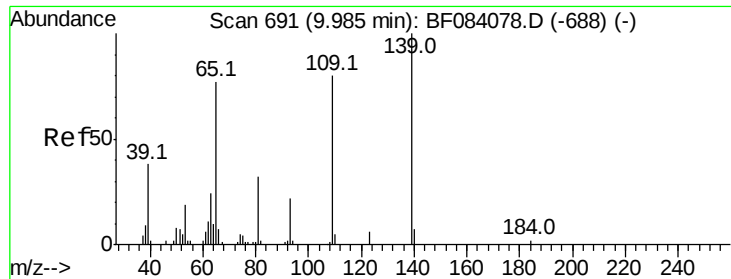
Sohil
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#54
 Dibenzofuran
 Concen: 44.95 ng
 RT: 10.04 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	46.6	30.5	45.7#	
169	13.7	10.4	15.6	





#55

4-Nitrophenol

Concen: 33.38 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

ClientSampleId :

PZ-1-122315MSD

Tot Ion:139 Resp: 28747

Ion Ratio Lower Upper

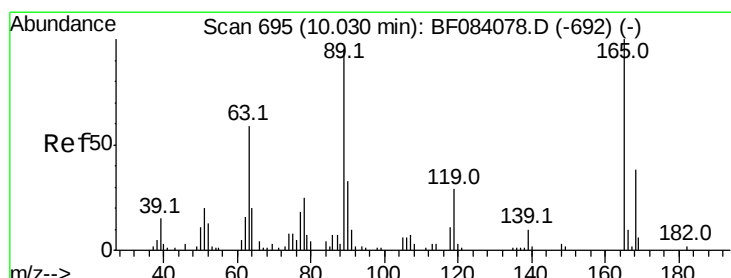
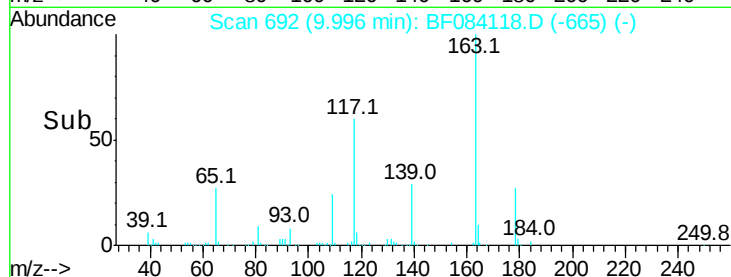
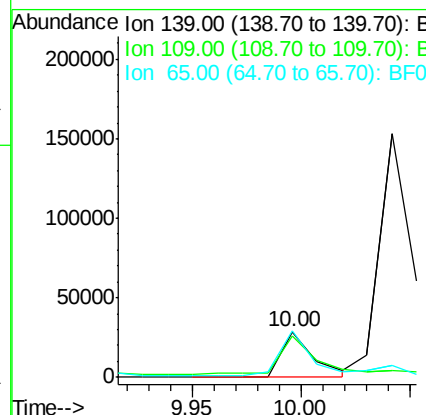
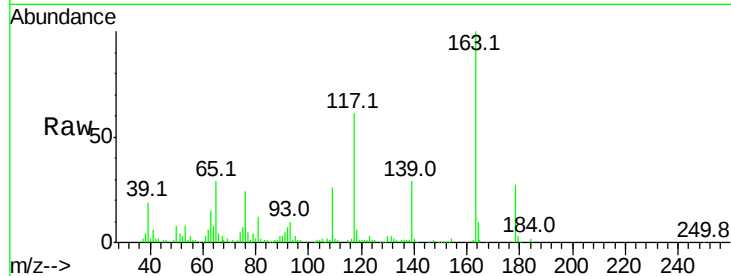
139 100

109 91.2 58.5 98.5

65 100.9 57.6 97.6#

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#56

2,4-Dinitrotoluene

Concen: 50.25 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:165 Resp: 104300

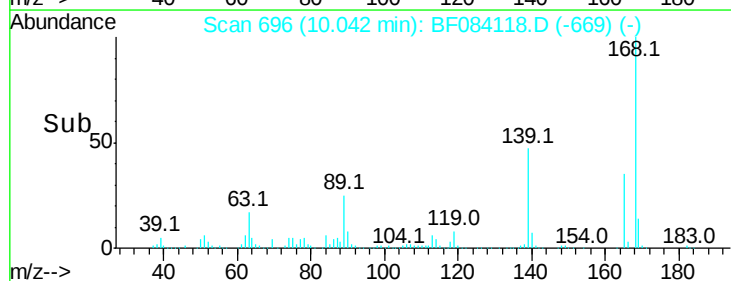
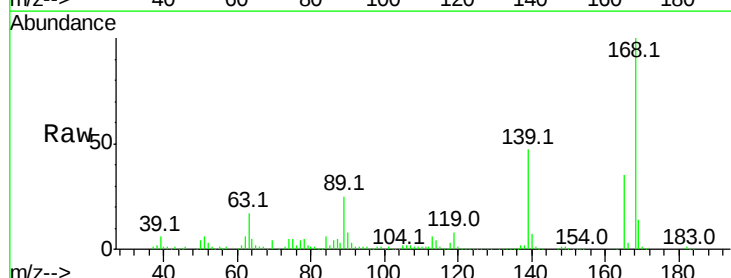
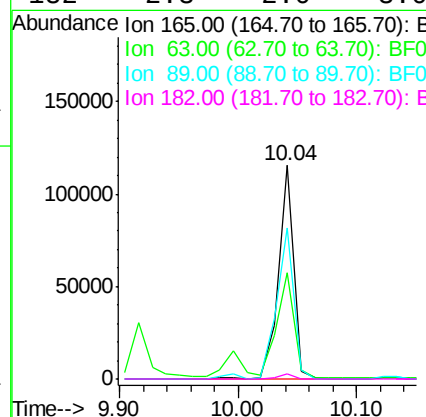
Ion Ratio Lower Upper

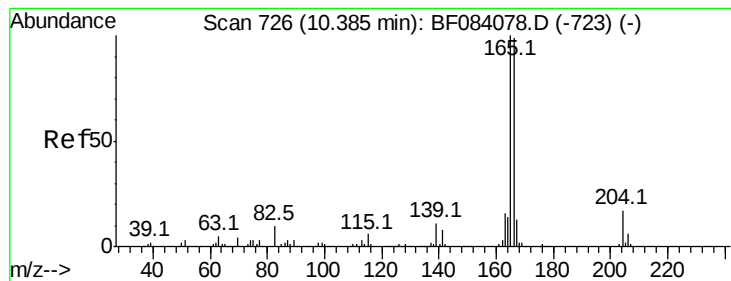
165 100

63 49.7 36.7 55.1

89 70.9 61.9 92.9

182 2.3 2.0 3.0





#57

Fluorene

Concen: 42.40 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

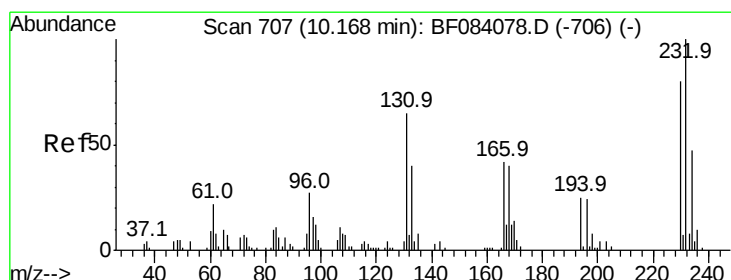
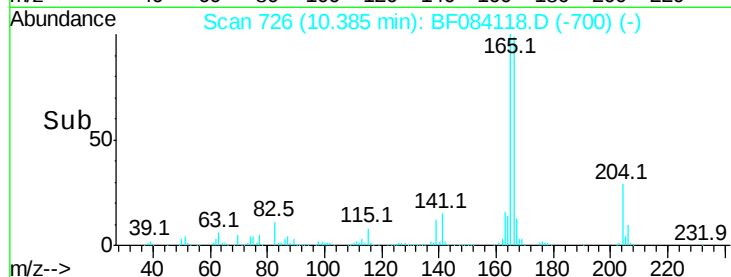
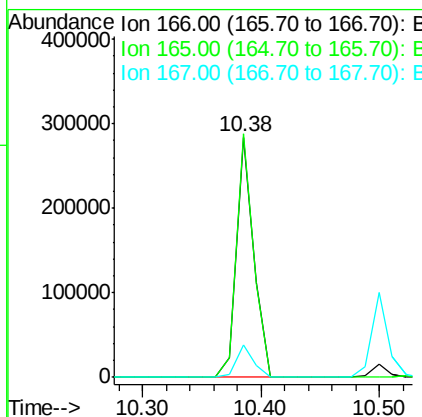
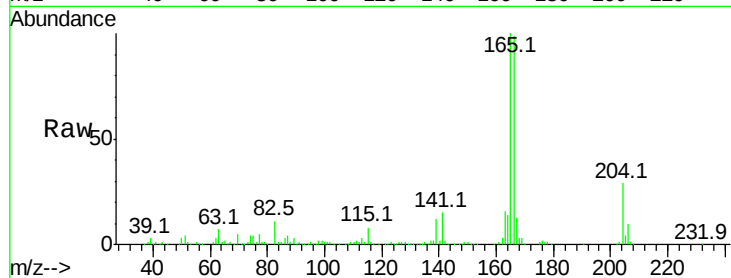
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	166	Resp:	290781
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.1	118.7
167	13.6	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 51.87 ng

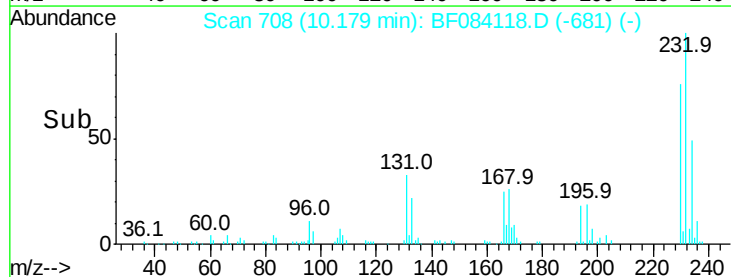
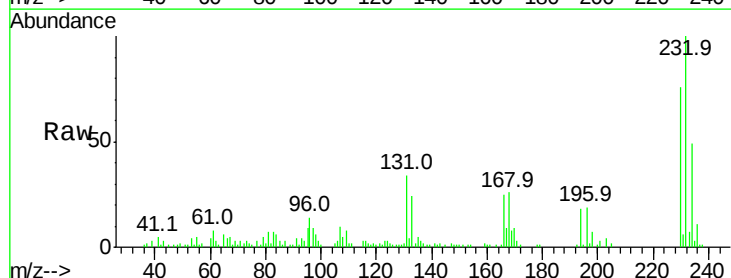
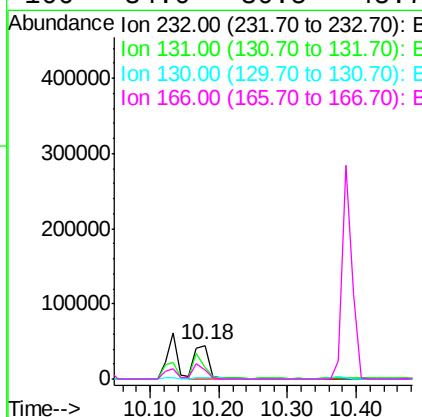
RT: 10.18 min Scan# 708

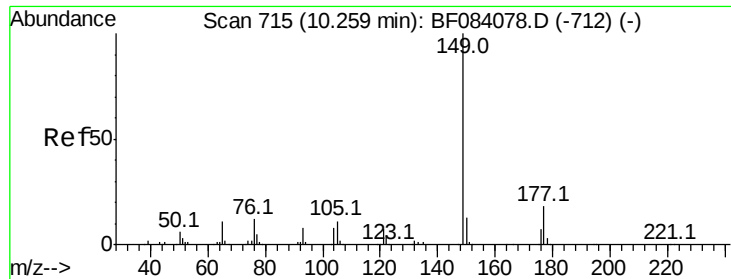
Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	232	Resp:	68036
Ion Ratio	Lower	Upper	
232	100		
131	53.6	47.0	70.6
130	7.3	2.0	3.0#
166	34.0	30.5	45.7





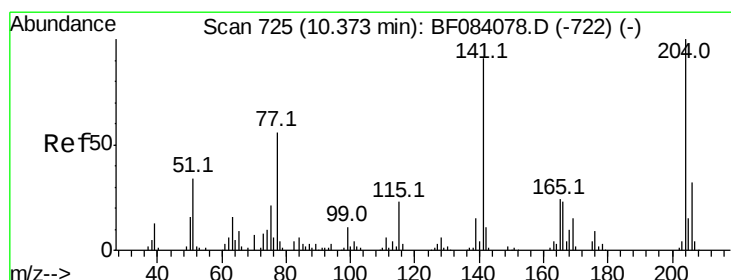
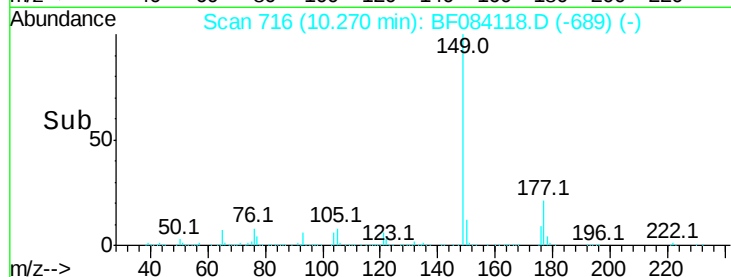
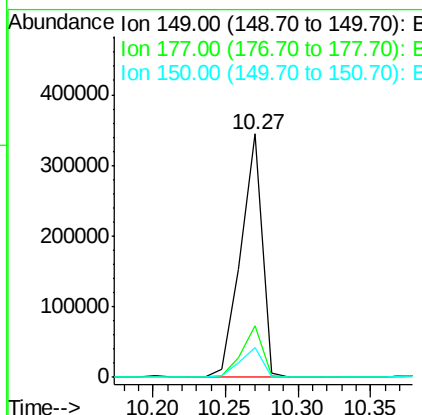
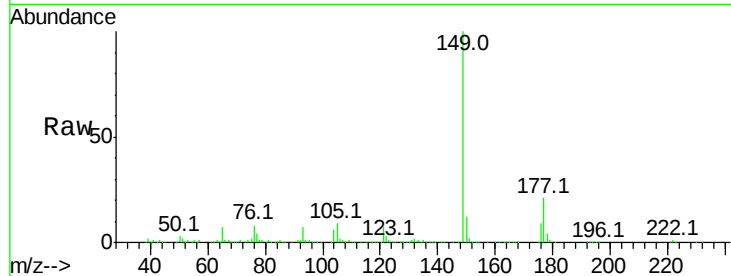
#59
Diethylphthalate
Concen: 46.67 ng
RT: 10.27 min Scan# 716
Delta R.T. 0.01 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	351141		
177	21.1	17.3	25.9	
150	12.5	9.8	14.8	

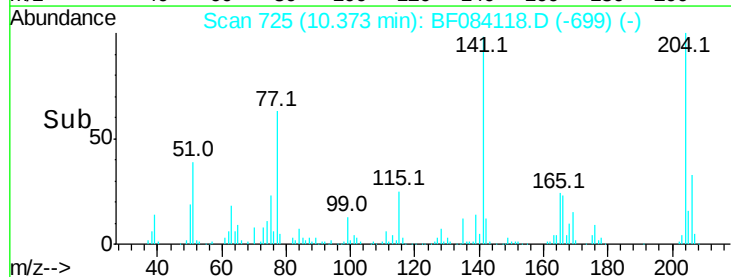
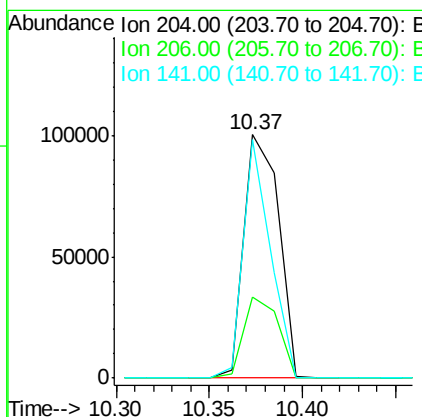
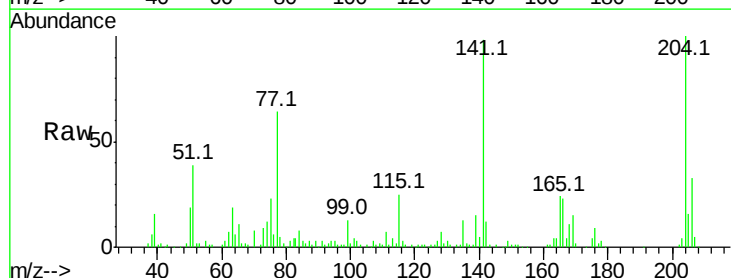
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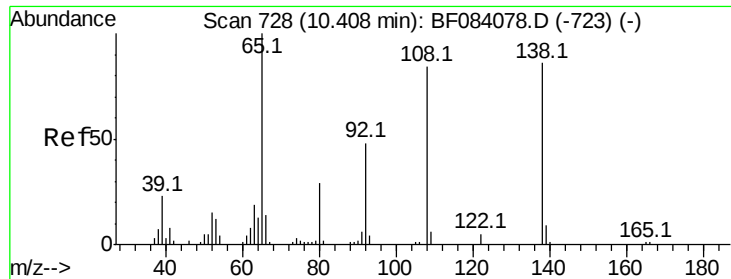
Sohil
12/28/2015 1:10:19 PM



#60
4-Chlorophenyl-phenylether
Concen: 41.01 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	129698		
206	33.1	25.7	38.5	
141	97.8	55.1	82.7#	





#61

4-Nitroaniline

Concen: 43.67 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

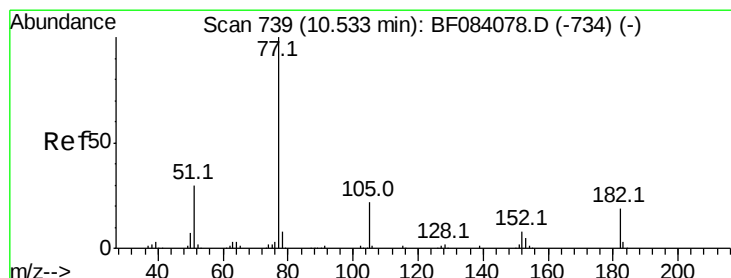
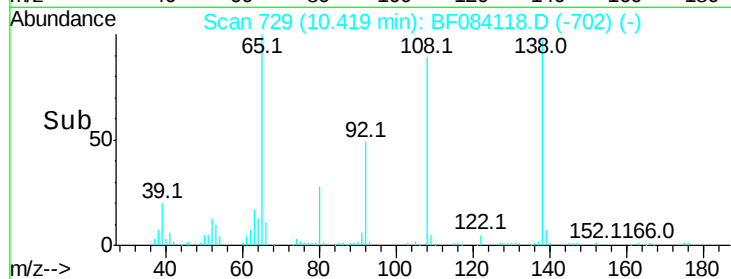
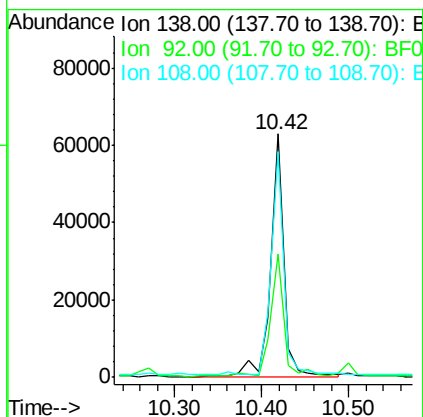
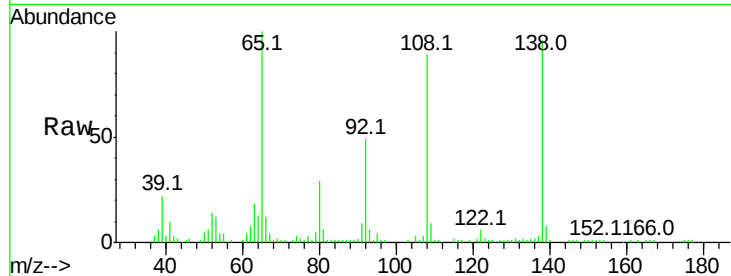
ClientSampleId :

PZ-1-122315MSD

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Tot Ion	Ratio	Lower	Upper
138	100		
92	50.7	32.6	72.6
108	92.5	68.6	108.6



#62

Azobenzene

Concen: 48.96 ng

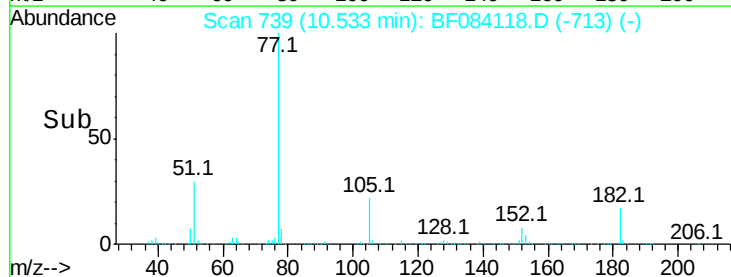
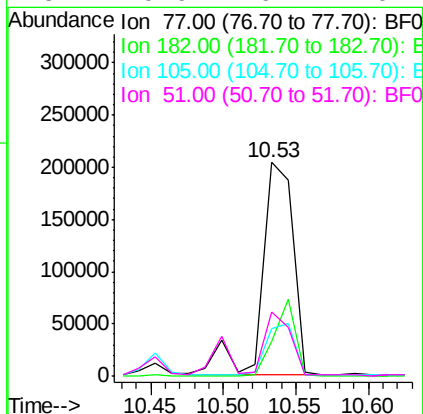
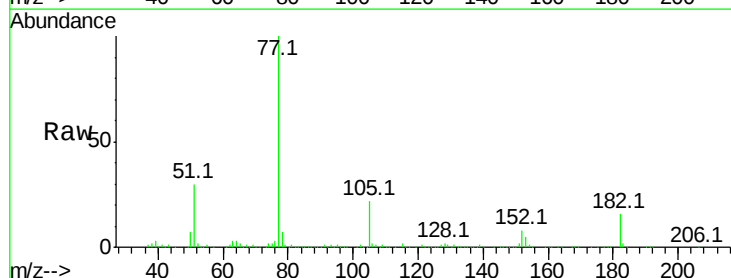
RT: 10.53 min Scan# 739

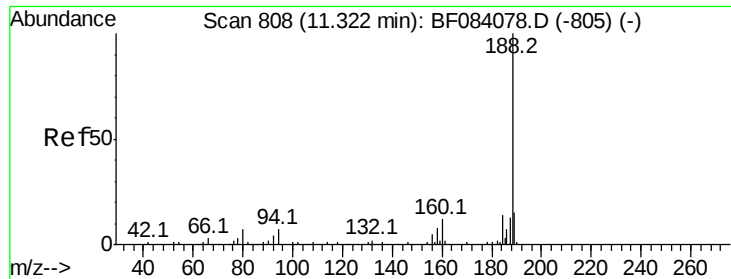
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
77	100		
182	16.5	8.3	48.3
105	22.3	4.6	44.6
51	29.9	6.2	46.2





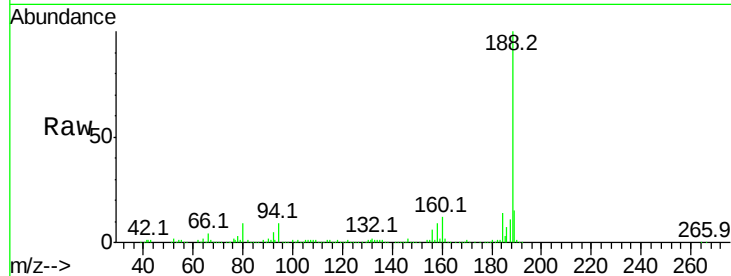
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

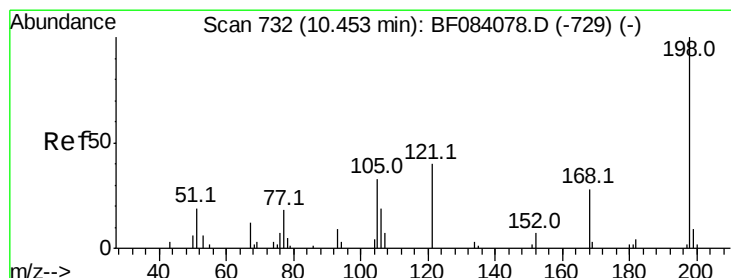
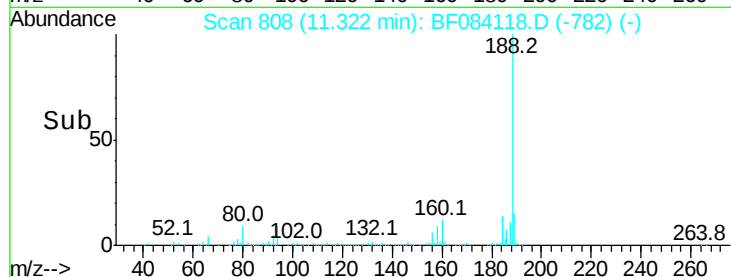
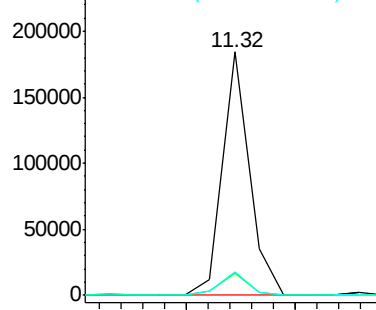
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	9.0	13.4#
80	9.5	9.6	14.4#

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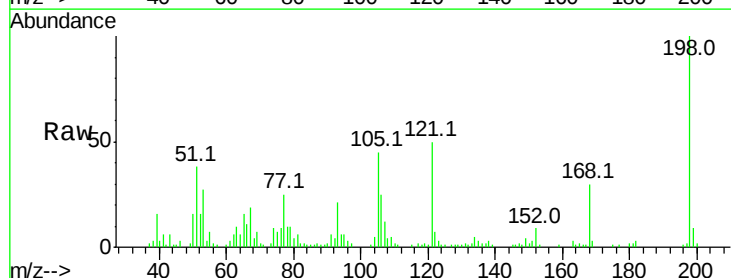


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

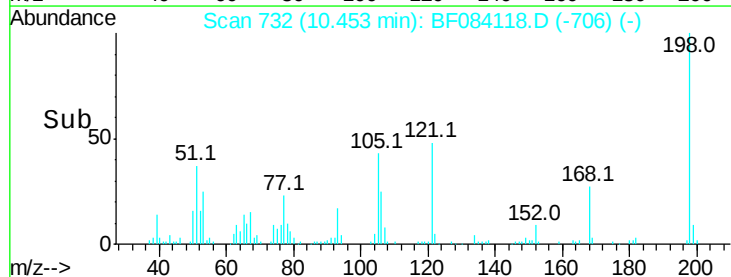
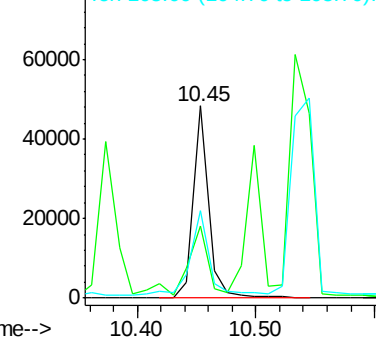


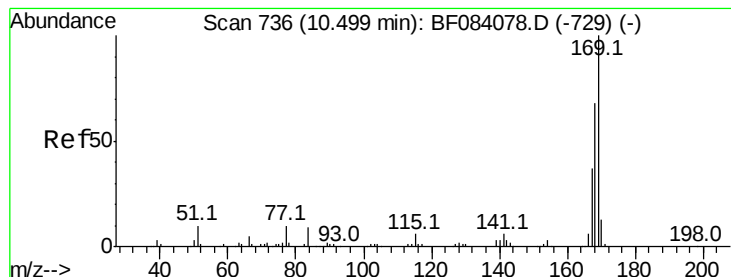
#64
4,6-Dinitro-2-methylphenol
Concen: 48.33 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	37.6	18.9	58.9
105	45.3	26.4	66.4



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





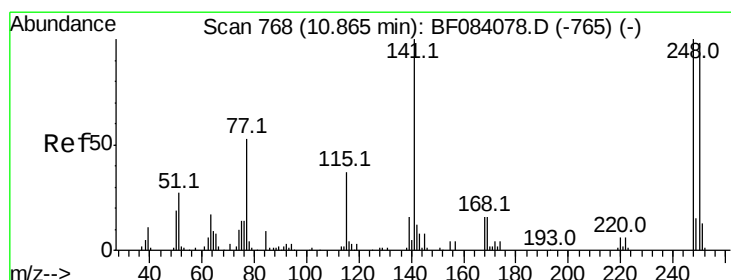
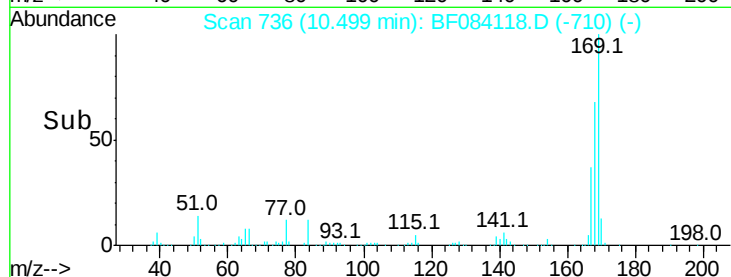
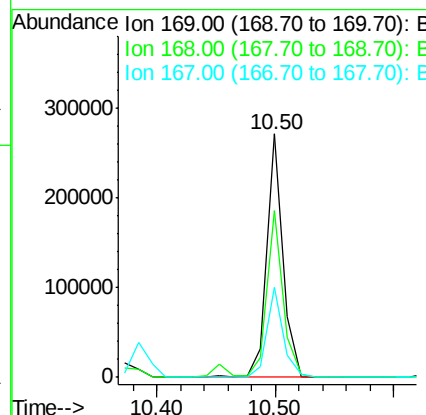
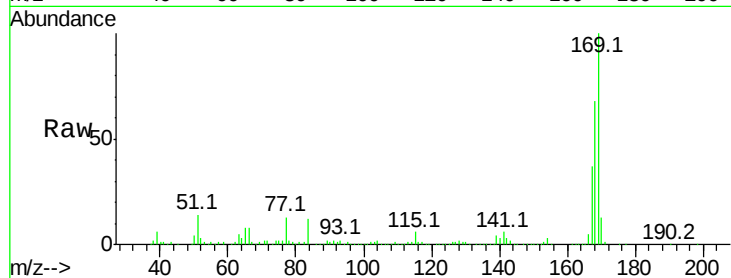
#65
n-Nitrosodiphenylamine
Concen: 45.52 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	258332		
168	68.5		55.1	82.7
167	36.7		30.0	45.0

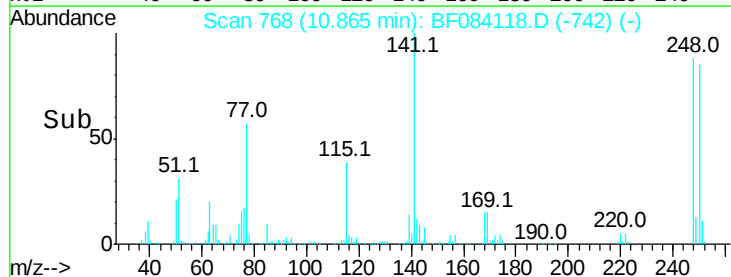
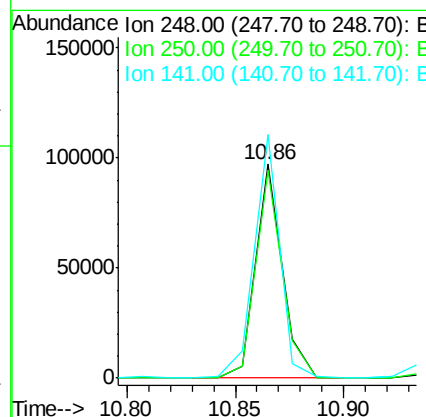
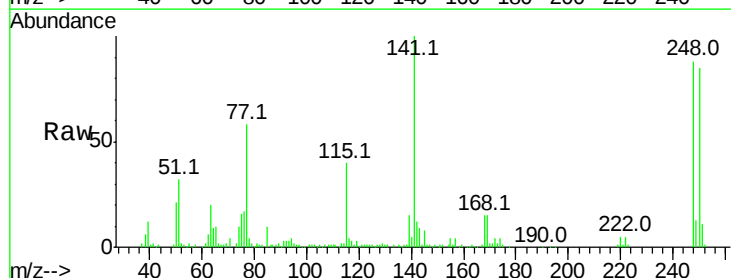
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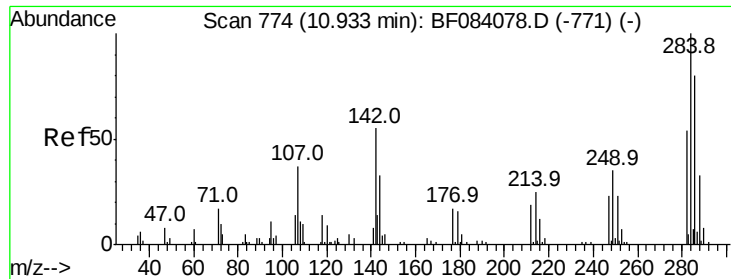
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#66
4-Bromophenyl-phenylether
Concen: 44.74 ng
RT: 10.86 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	82517		
250	97.2		78.4	117.6
141	114.0		44.0	66.0





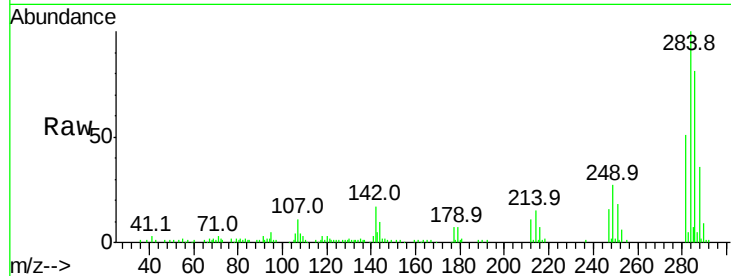
#67
Hexachlorobenzene
Concen: 46.99 ng
RT: 10.94 min Scan# 775
Delta R.T. 0.01 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

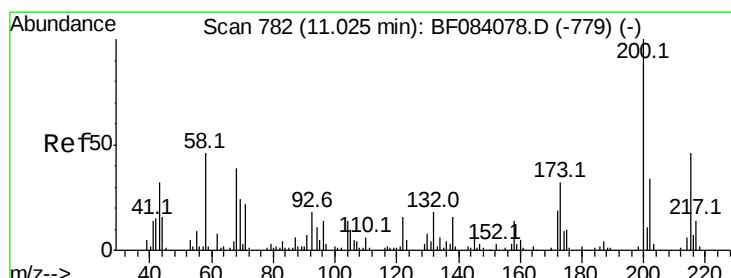
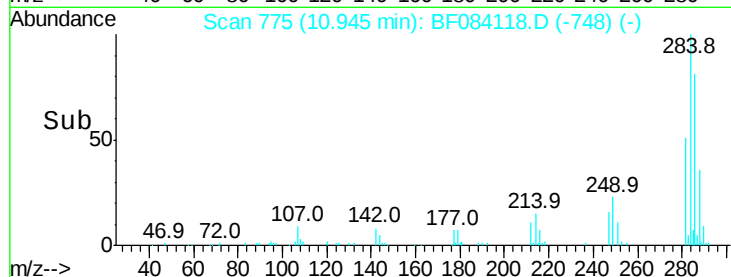
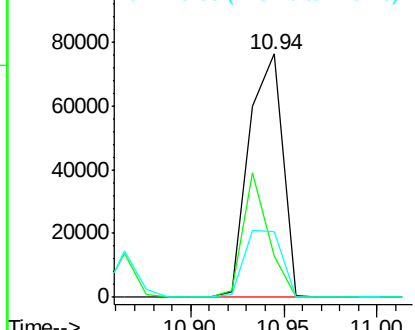
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	17.2	22.2	33.4	#
249	27.0	24.6	37.0	

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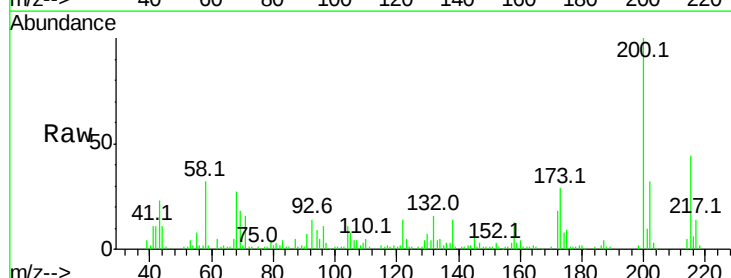


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

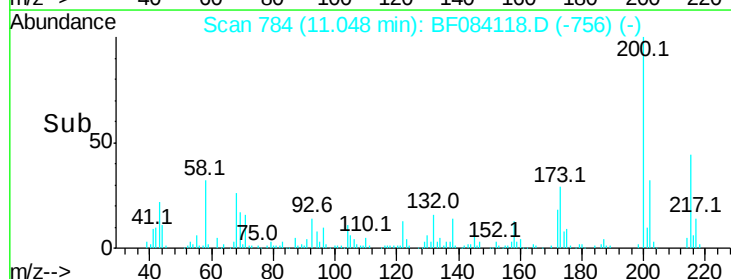
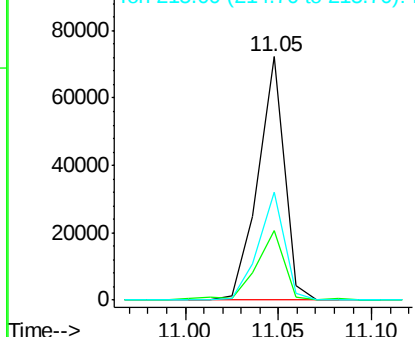


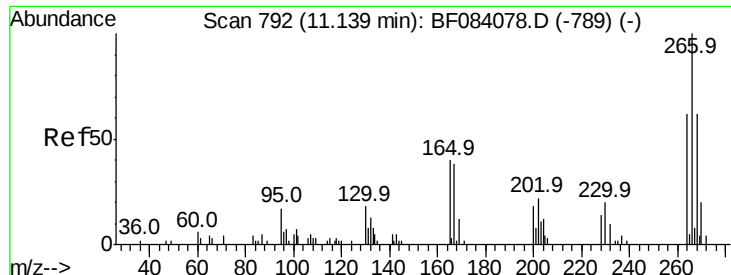
#68
Atrazine
Concen: 41.03 ng
RT: 11.05 min Scan# 784
Delta R.T. 0.02 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.7	9.5	49.5	
215	44.2	23.8	63.8	



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





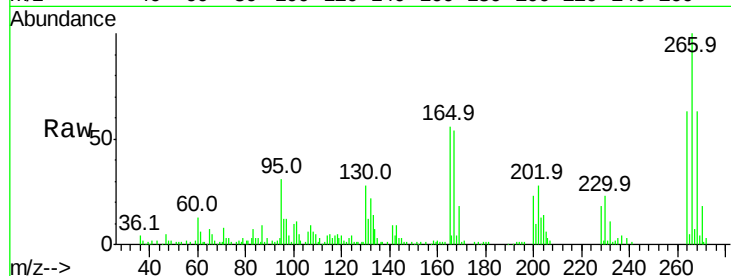
#69
 Pentachlorophenol
 Concen: 118.52 ng
 RT: 11.14 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Instrument :
 BNA_F
 ClientSampleId :
 PZ-1-122315MSD

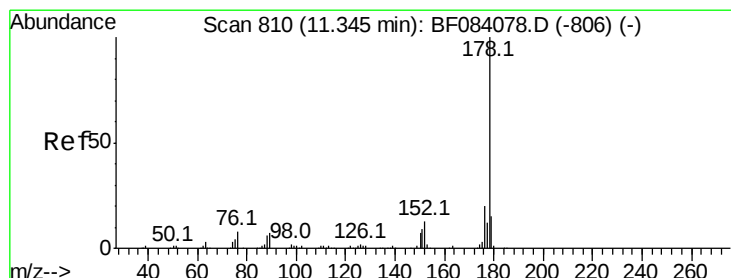
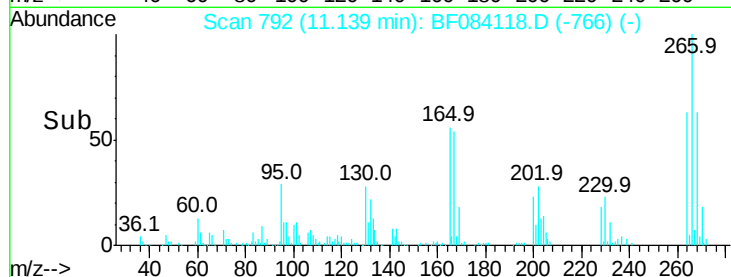
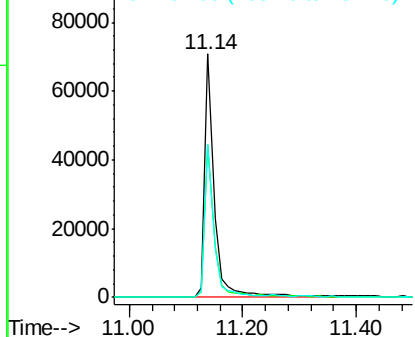
Tot Ion	Ratio	Resp	Lower	Upper
266	100	81445		
268	62.9		52.4	78.6
264	62.7		50.2	75.2

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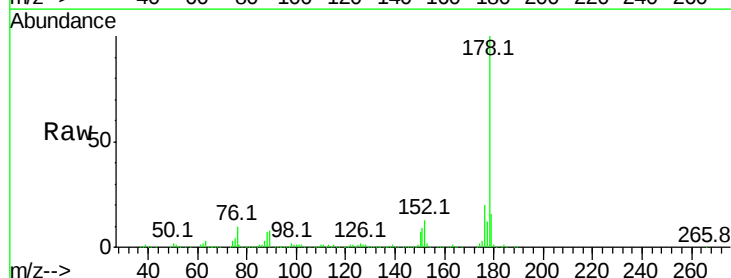


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

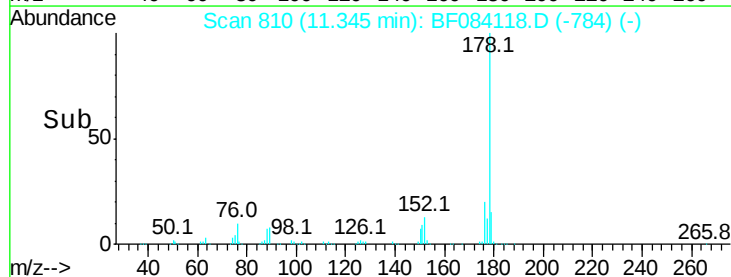
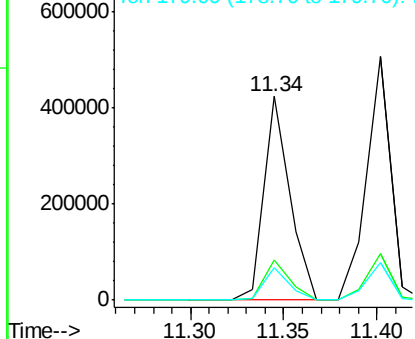


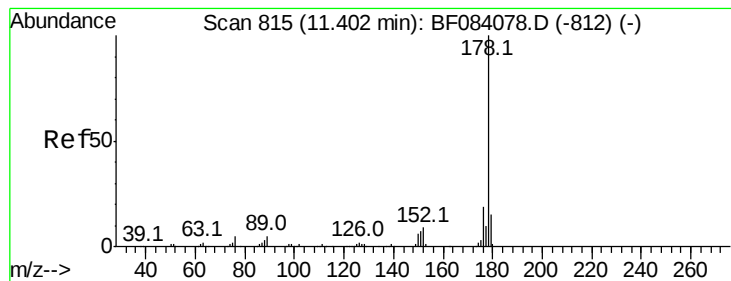
#70
 Phenanthrene
 Concen: 43.06 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF084118.D
 Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	406359		
176	19.8		15.3	22.9
179	15.6		12.0	18.0



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





#71

Anthracene

Concen: 45.90 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

ClientSampleId :

PZ-1-122315MSD

Tot Ion:178 Resp: 452945

Ion Ratio Lower Upper

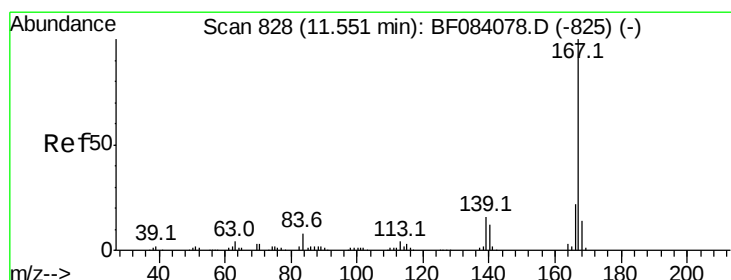
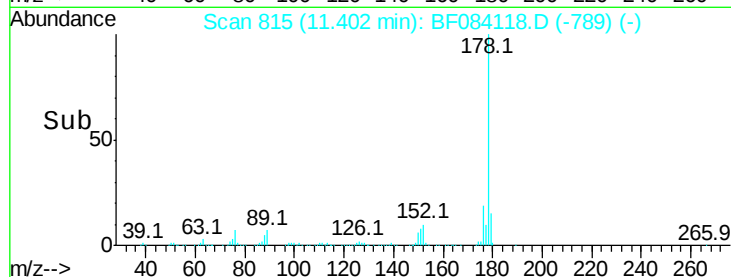
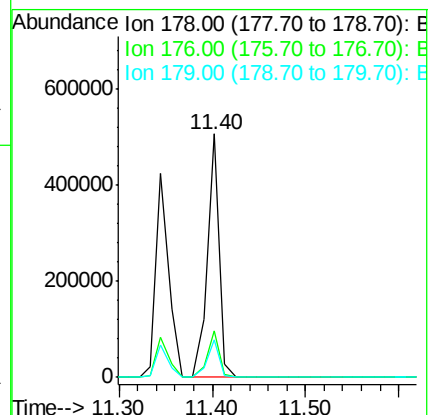
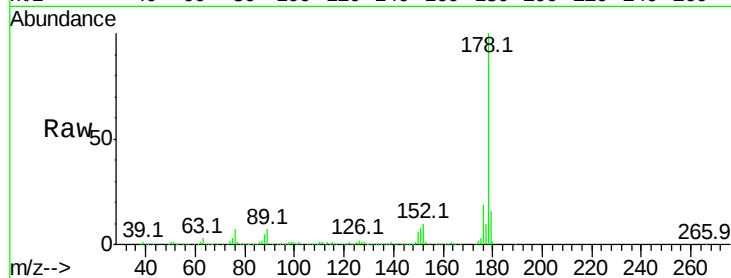
178 100

176 19.0 15.4 23.0

179 15.5 12.5 18.7

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#72

Carbazole

Concen: 48.37 ng

RT: 11.56 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

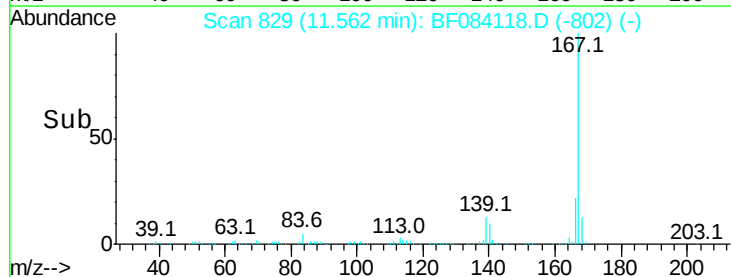
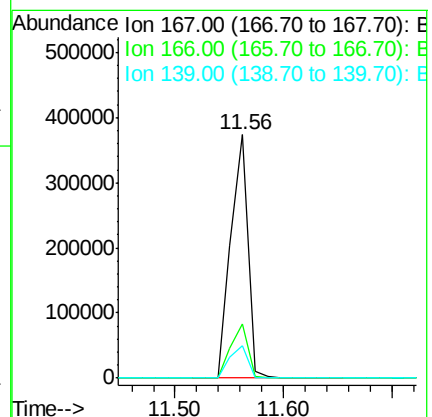
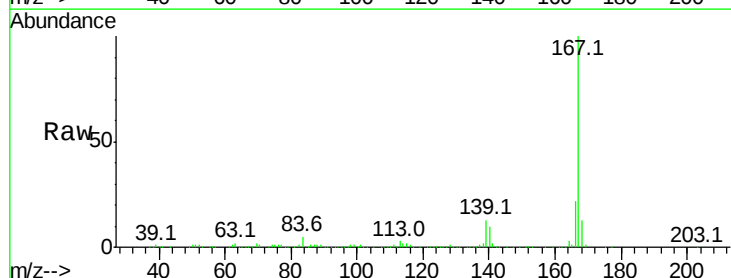
Tgt Ion:167 Resp: 406079

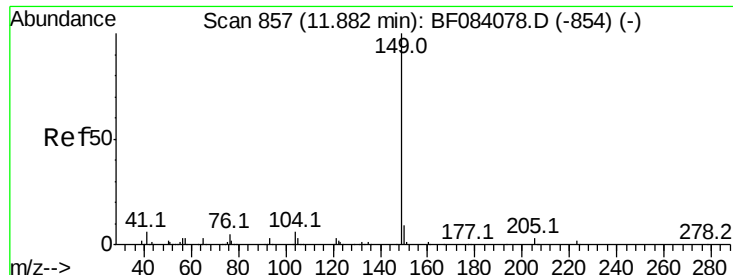
Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

139 13.1 11.8 17.8





#73

Di-n-butylphthalate

Concen: 44.48 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

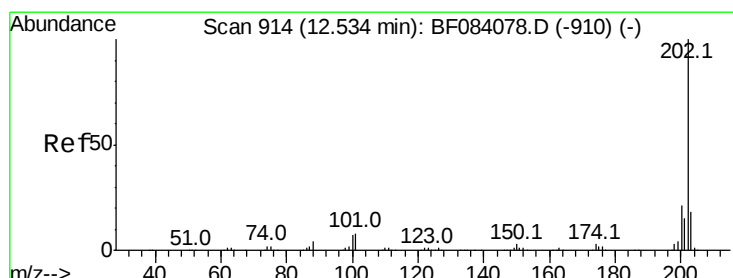
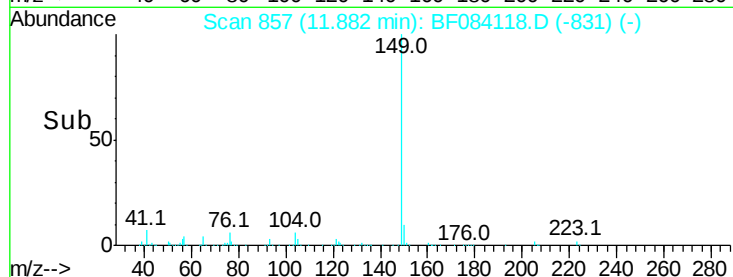
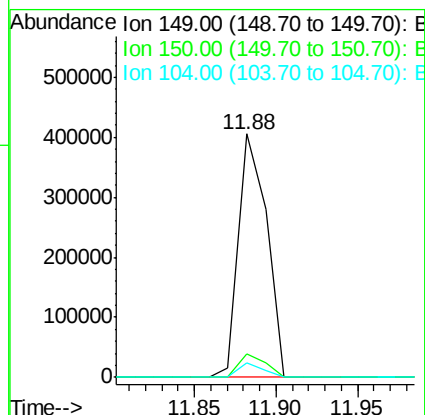
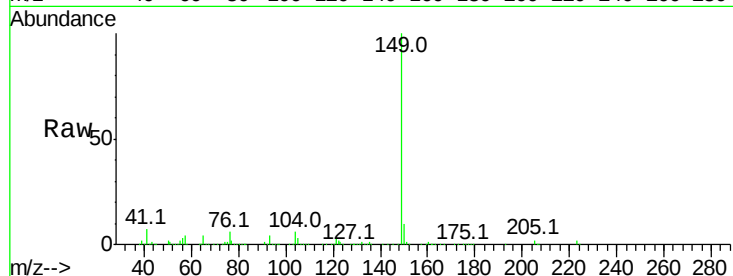
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	149	Resp:	481093
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.1	10.7
104	5.7	3.2	4.8#

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#74

Fluoranthene

Concen: 40.75 ng

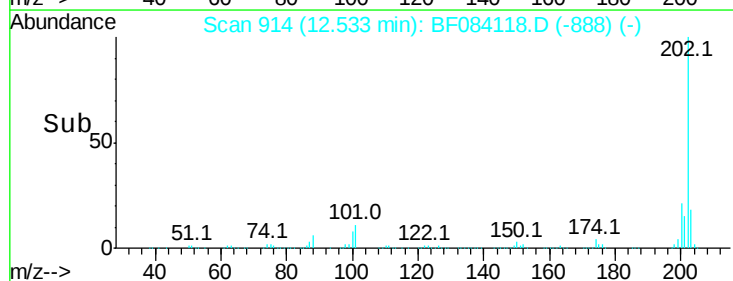
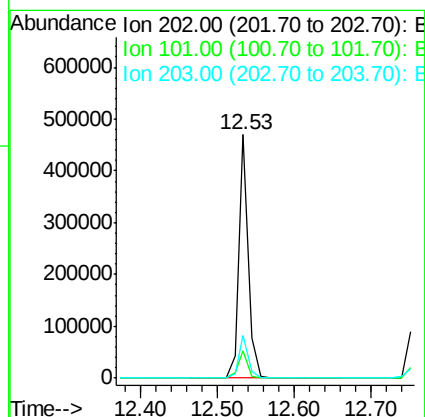
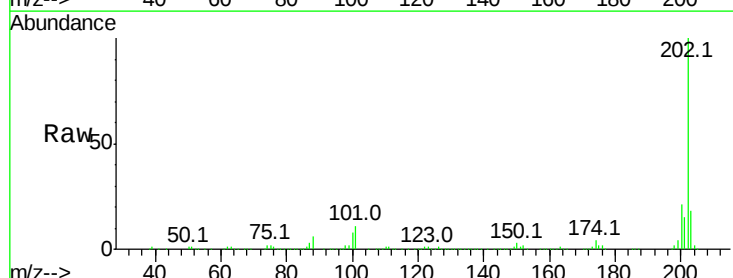
RT: 12.53 min Scan# 914

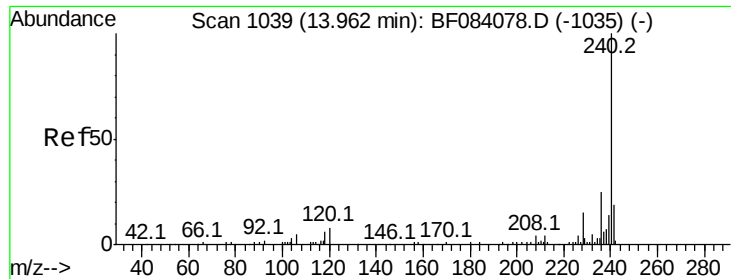
Delta R.T. 0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	202	Resp:	408915
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.8
203	17.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

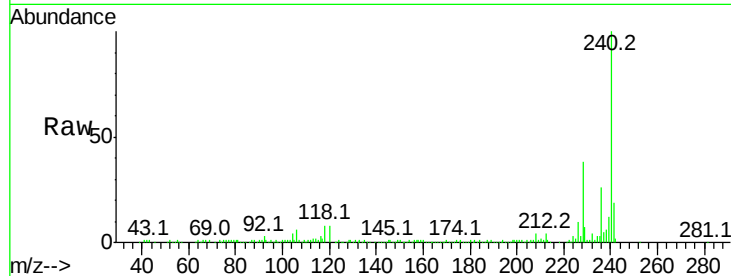
ClientSampleId :

PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.3	9.5	14.3	#
236	25.7	20.6	31.0	

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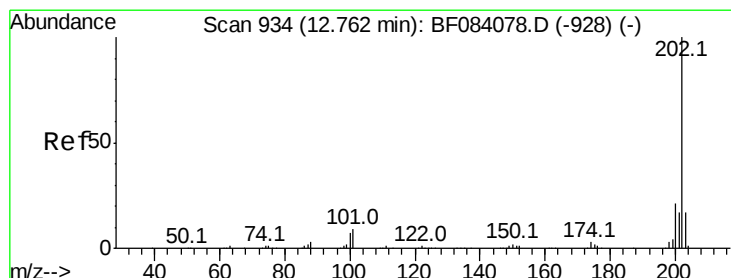
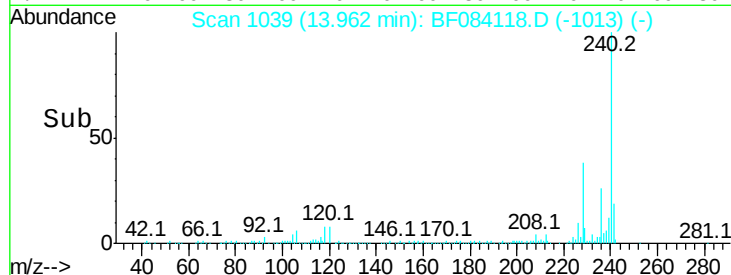
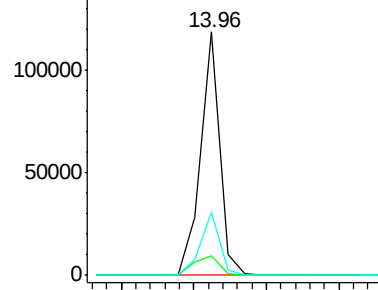
Sohil
12/28/2015 1:10:19 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 44.67 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF084118.D

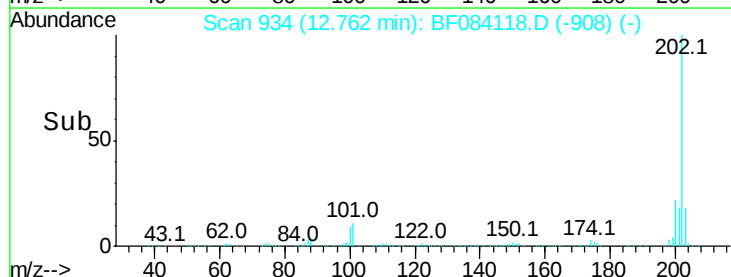
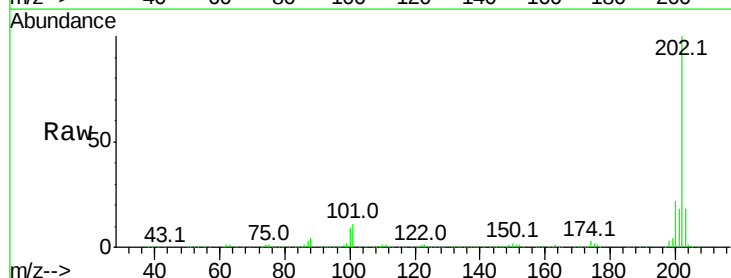
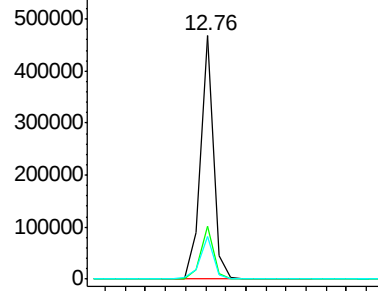
Acq: 25 Dec 2015 9:46

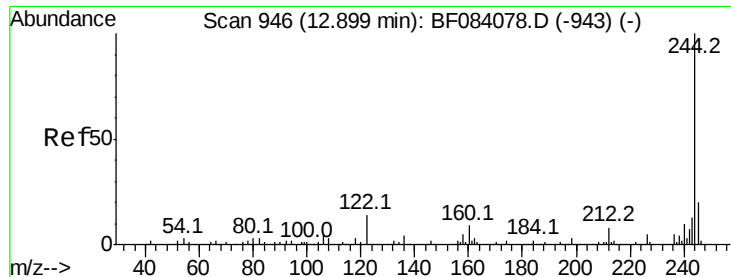
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.2	25.8	
203	17.6	14.3	21.5	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.43 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

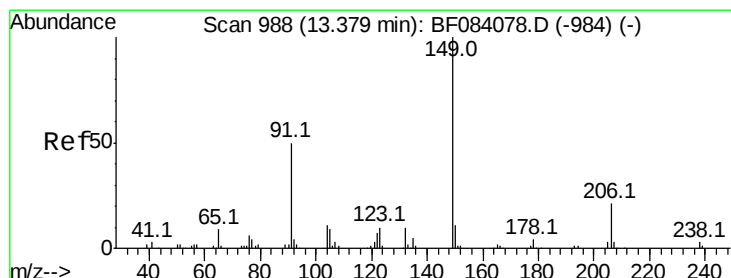
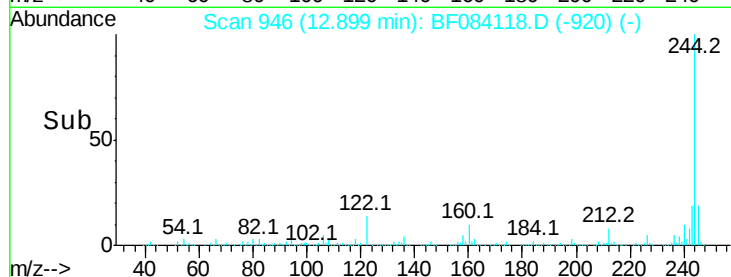
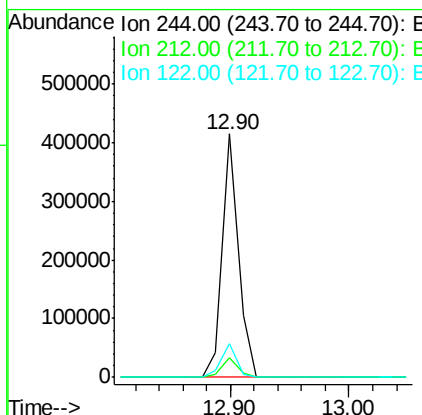
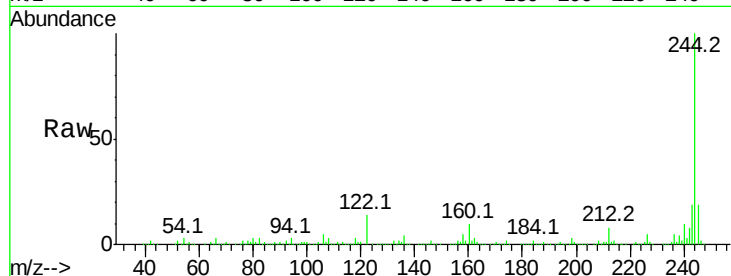
ClientSampleId :

PZ-1-122315MSD

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	5.7	8.5
122	13.8	7.4	11.0

Manual Integrations
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#79

Butylbenzylphthalate

Concen: 48.34 ng

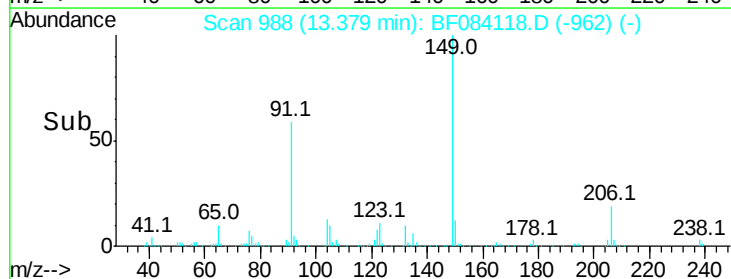
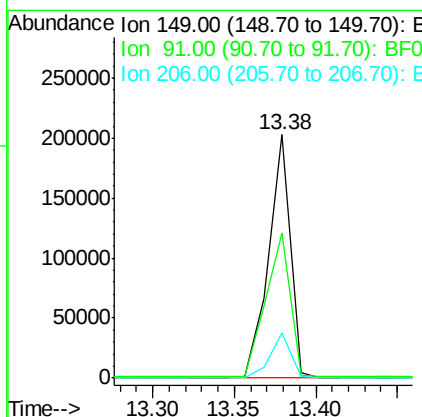
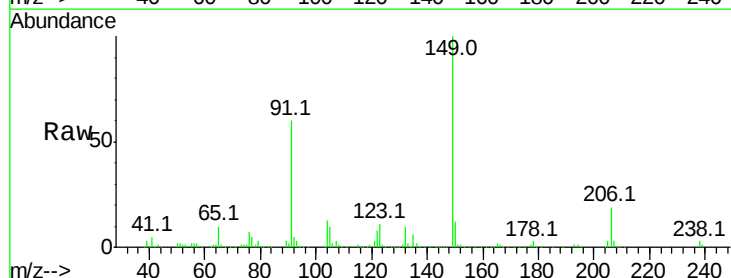
RT: 13.38 min Scan# 988

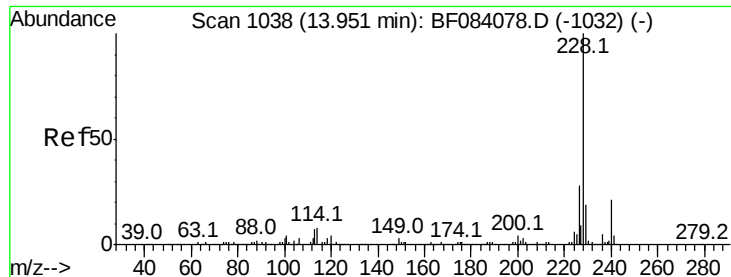
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	59.7	57.6	86.4
206	18.7	13.2	19.8





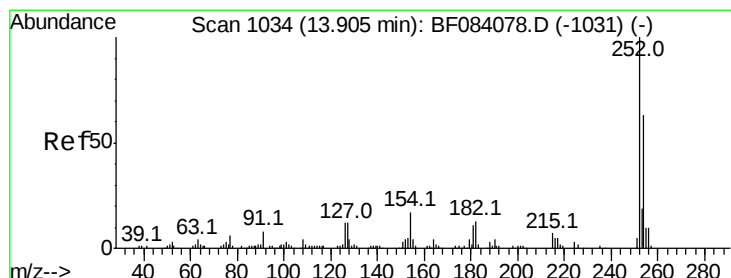
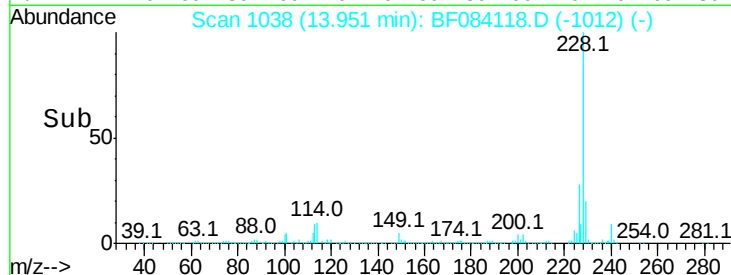
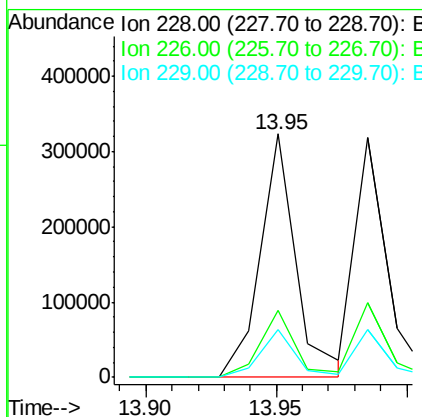
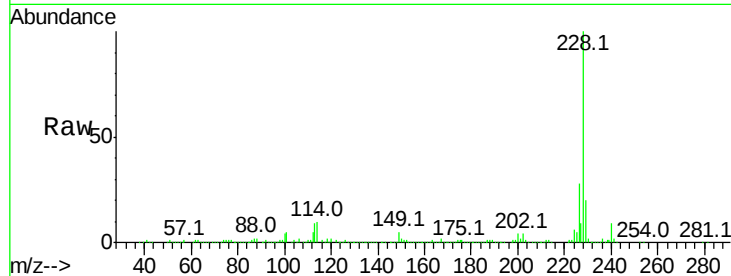
#80
Benzo(a)anthracene
Concen: 46.53 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.7	21.8	32.6	
229	19.9	15.8	23.8	

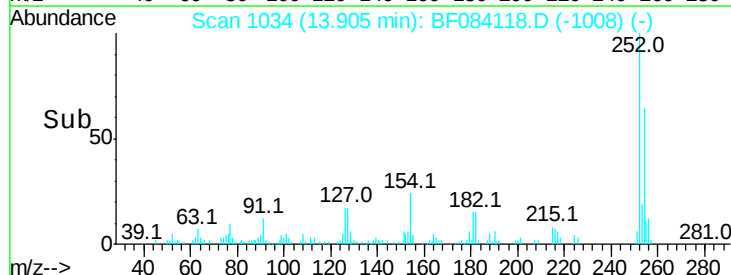
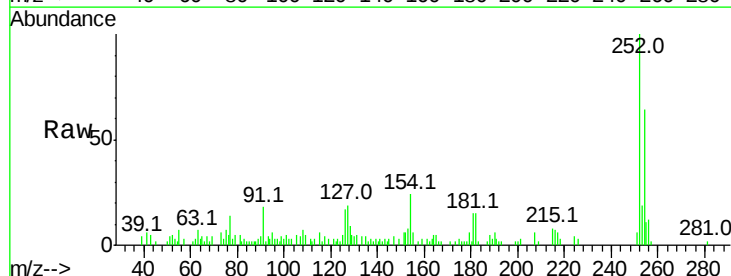
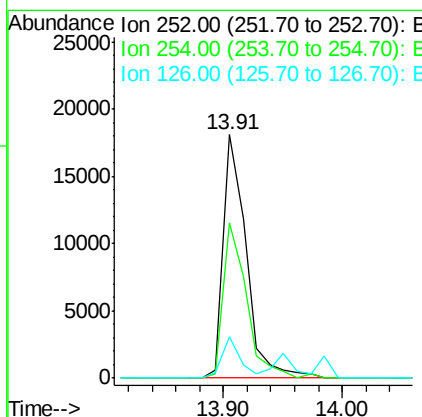
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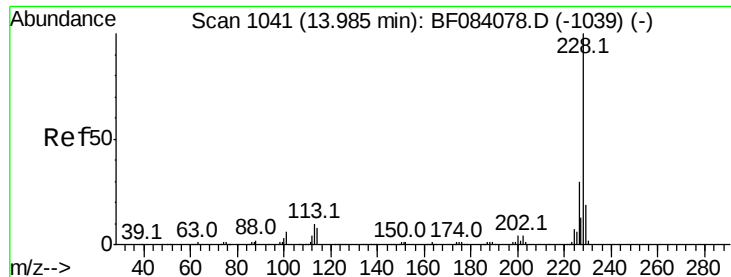
Sohil
12/28/2015 1:10:19 PM



#81
3,3'-Dichlorobenzidine
Concen: 11.89 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
254	63.9	53.5	80.3	
126	17.1	4.9	7.3#	





#82

Chrvsene

Concen: 43.61 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

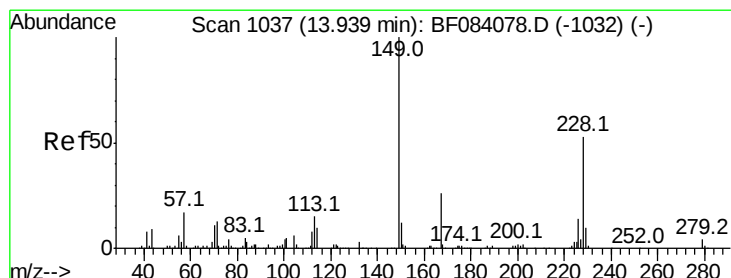
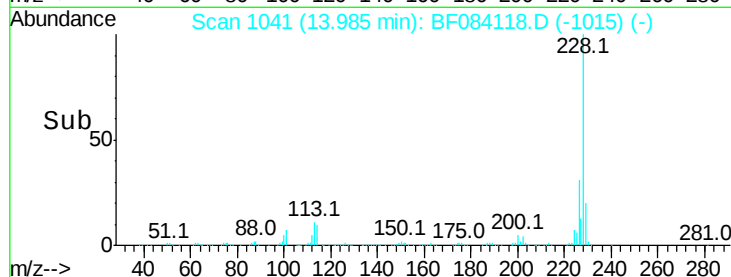
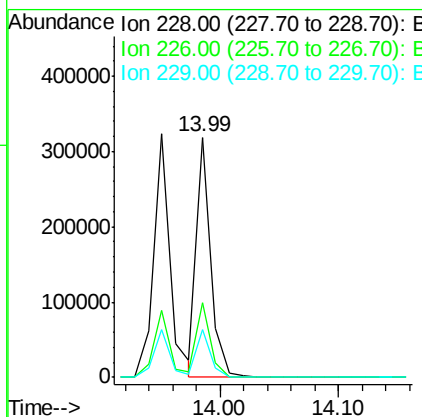
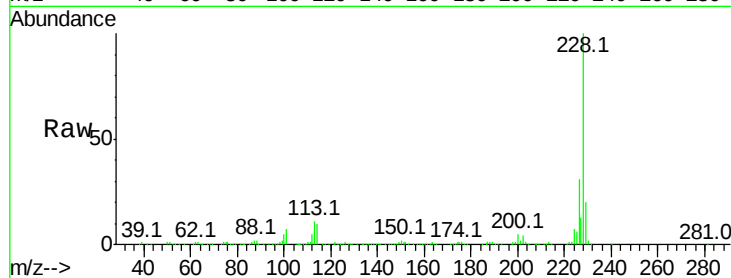
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	228	Resp:	269365
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.3	36.5
229	19.7	16.1	24.1

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 47.94 ng

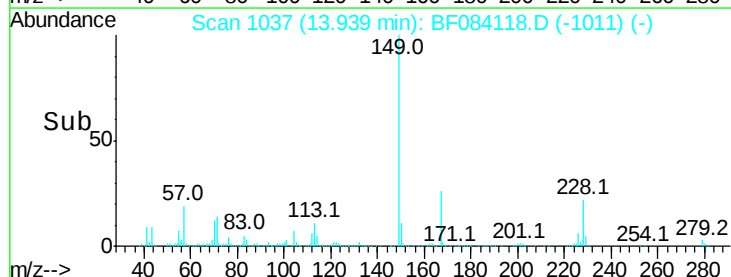
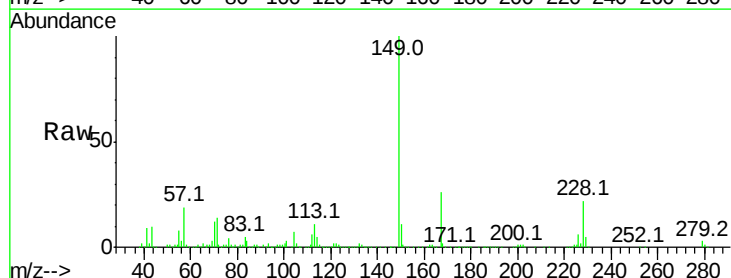
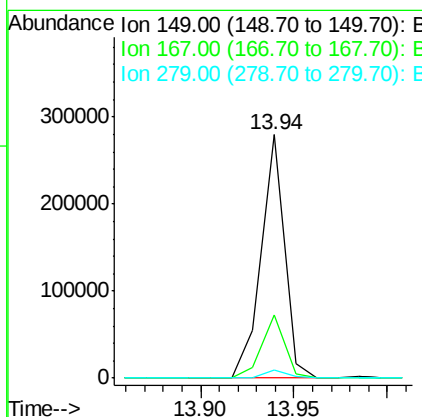
RT: 13.94 min Scan# 1037

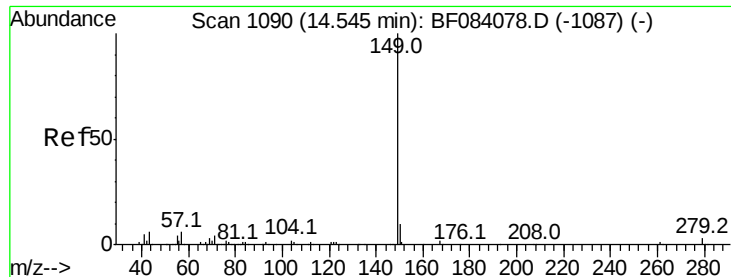
Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	149	Resp:	240893
Ion Ratio	Lower	Upper	
149	100		
167	25.9	19.7	29.5
279	3.3	1.8	2.6#





#84

Di-n-octyl phthalate

Concen: 50.90 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Instrument :

BNA_F

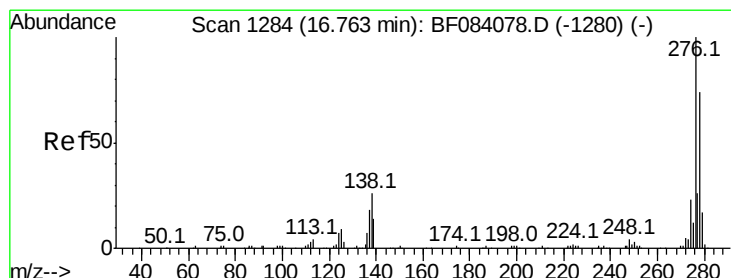
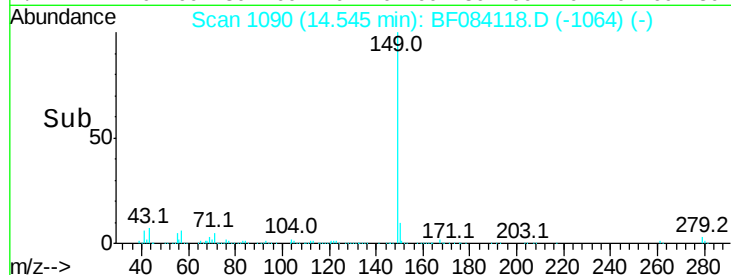
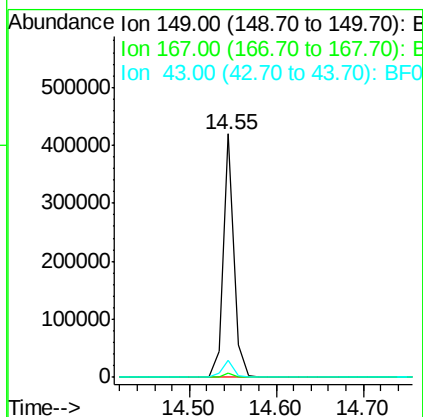
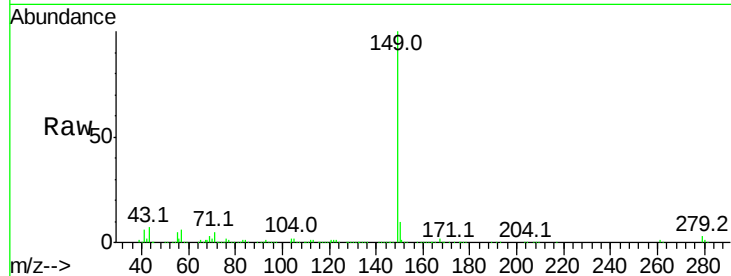
ClientSampleId :

PZ-1-122315MSD

Tot Ion:	149	Resp:	359839
Ion Ratio	Lower	Upper	
149	100		
167	2.0	1.2	1.8#
43	7.4	5.6	8.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 52.93 ng

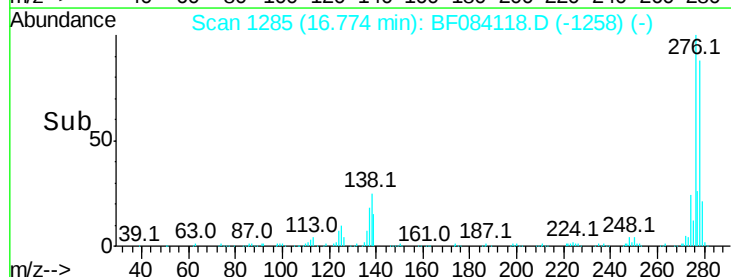
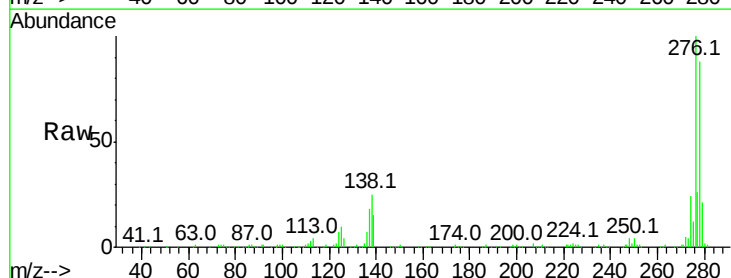
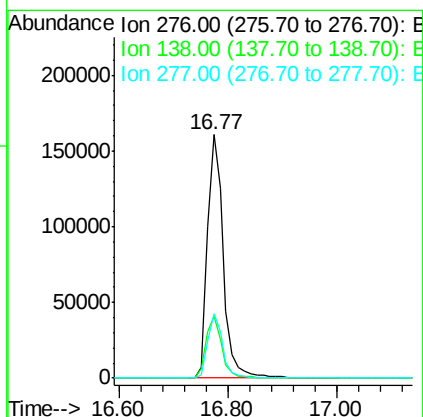
RT: 16.77 min Scan# 1285

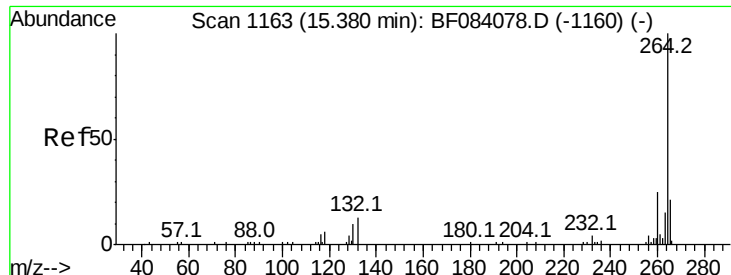
Delta R.T. 0.01 min

Lab File: BF084118.D

Acq: 25 Dec 2015 9:46

Tgt Ion:	276	Resp:	327374
Ion Ratio	Lower	Upper	
276	100		
138	24.9	20.6	30.8
277	25.1	20.1	30.1





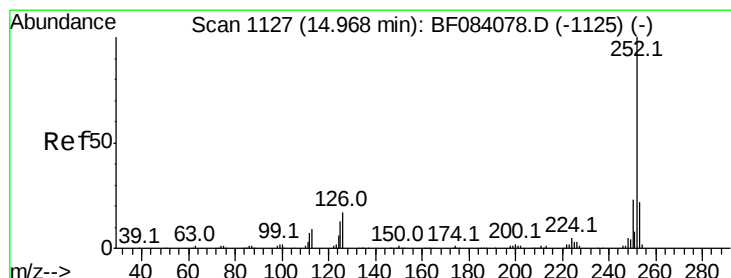
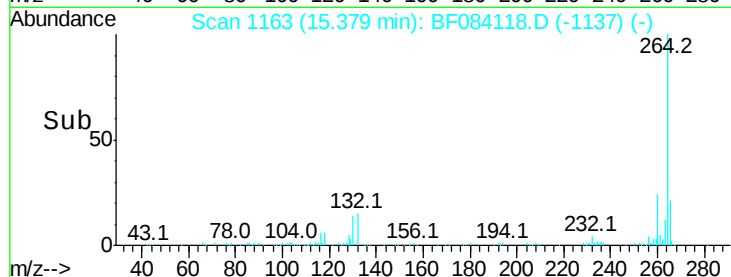
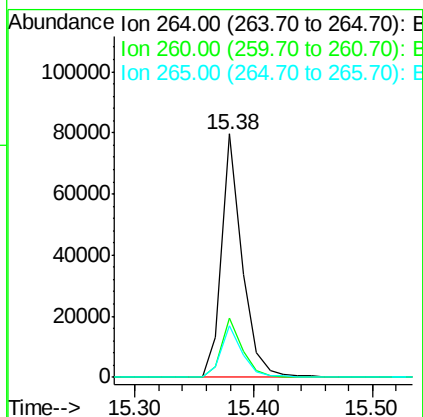
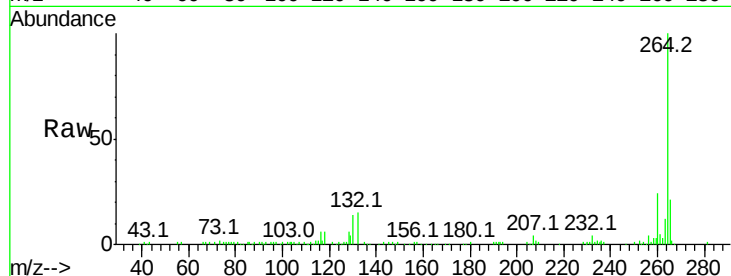
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.4	17.8	26.6

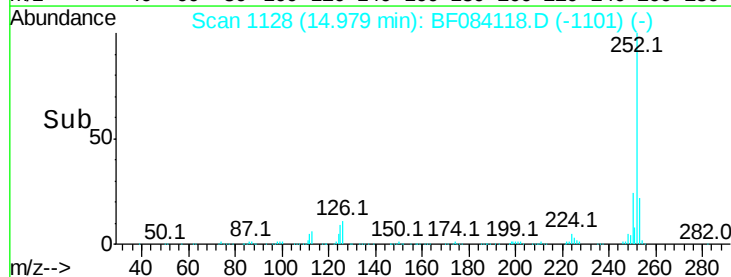
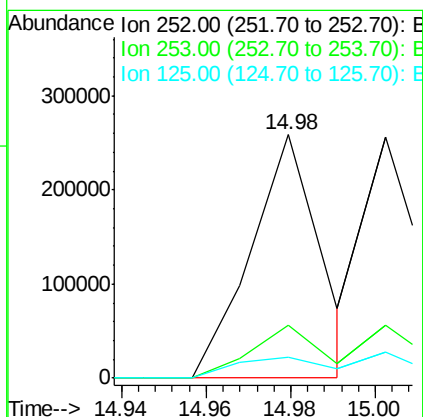
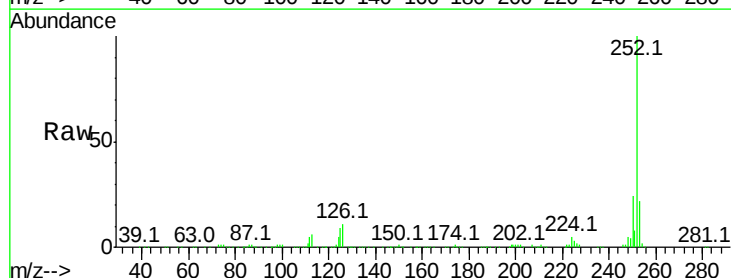
Manual Integrations
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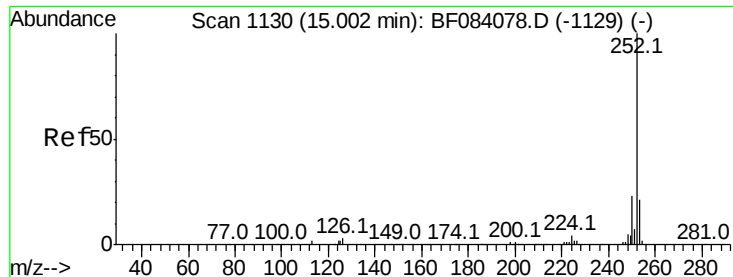
Sohil
12/28/2015 1:10:19 PM



#87
Benzo(b)fluoranthene
Concen: 41.67 ng m
RT: 14.98 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	8.7	6.5	9.7





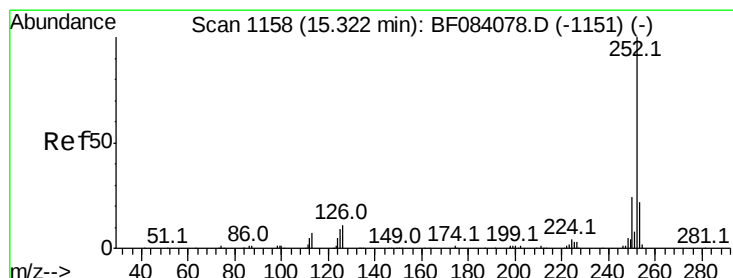
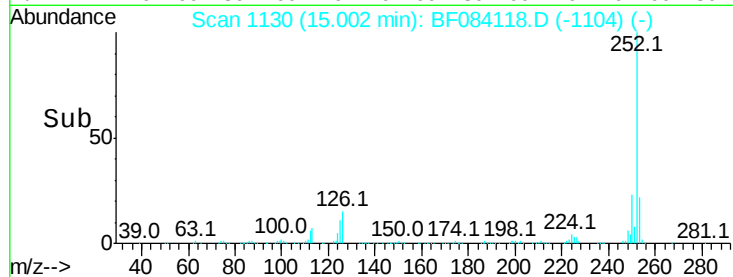
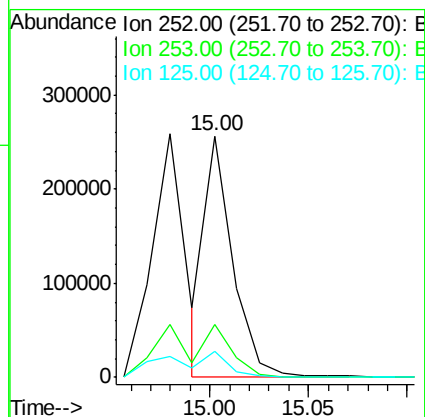
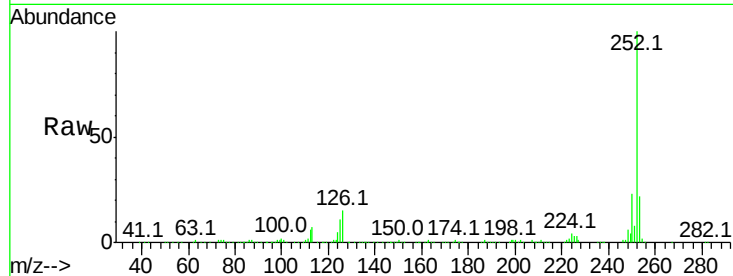
#88
Benzo(k)fluoranthene
Concen: 53.77 ng m
RT: 15.00 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	257964		
253	21.8	18.1	27.1	
125	10.8	9.0	13.6	

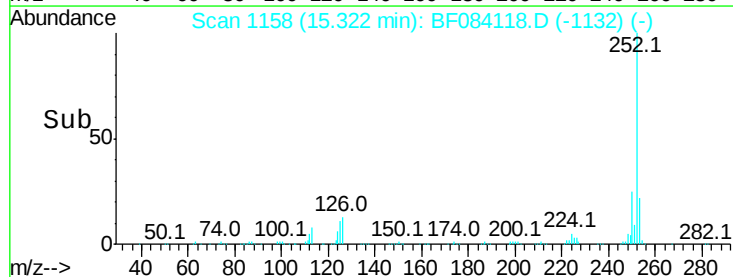
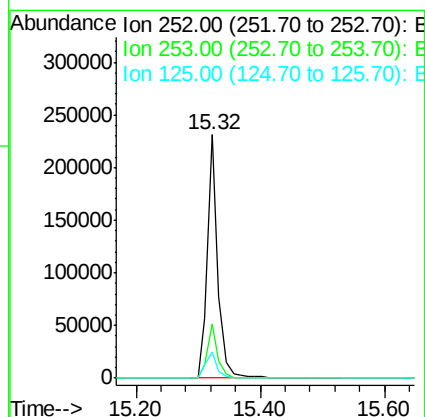
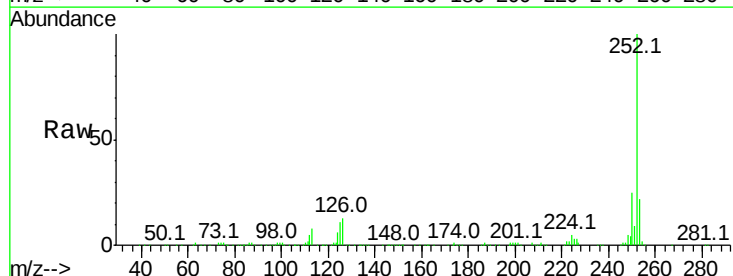
Manual Integrations
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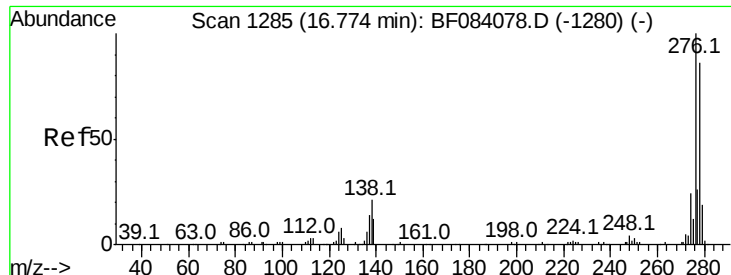
Sohil
12/28/2015 1:10:19 PM



#89
Benzo(a)pyrene
Concen: 46.37 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	270443		
253	22.3	17.3	25.9	
125	10.5	7.0	10.4	





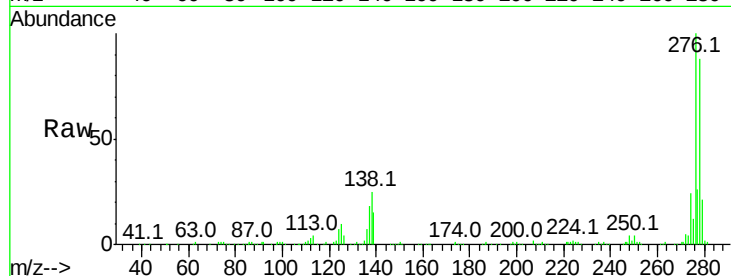
#90
Dibenzo(a,h)anthracene
Concen: 47.78 ng
RT: 16.77 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Instrument :
BNA_F
ClientSampleId :
PZ-1-122315MSD

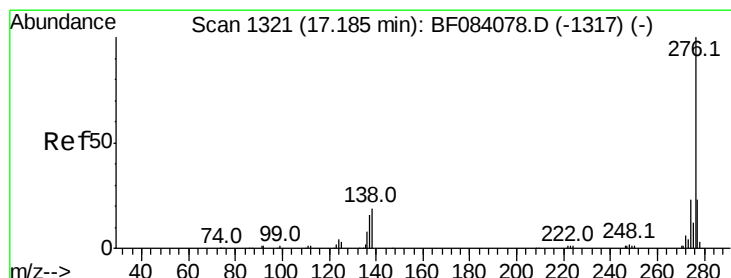
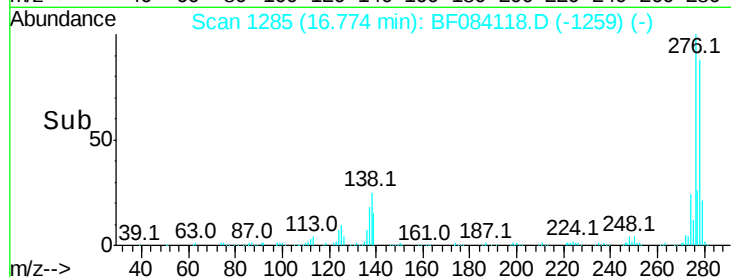
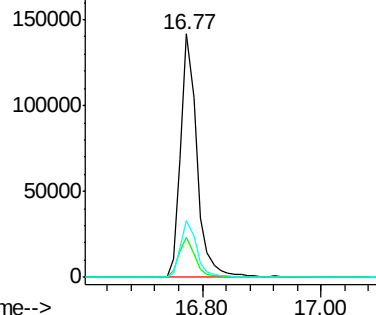
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.0	22.4
279	23.5	18.9	28.3

Manual Integrations
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12/28/2015 1:10:19 PM

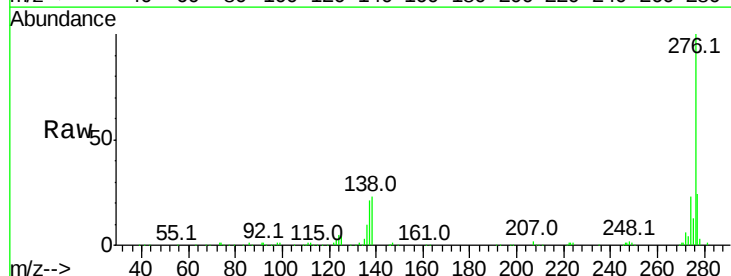


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 47.64 ng
RT: 17.19 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF084118.D
Acq: 25 Dec 2015 9:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	23.4	17.8	26.6



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

