

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084551.D
 Acq On : 19 Jan 2016 14:47
 Operator : SJ/UM
 Sample : PB87864BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Manual Integrations
 APPROVED

mohammad
 1/20/2016 2:22:26 PM

Quant Time: Jan 20 02:58:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	209276	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	851954	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	424941	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	798959	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	576280	20.00	ng	-0.05
86) Perylene-d12	15.36	264	468440	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1332811	103.01	ng	-0.03
7) Phenol-d6	6.44	99	1838595	113.15	ng	-0.03
23) Nitrobenzene-d5	7.37	82	1279060	83.56	ng	-0.03
41) 2,4,6-Tribromophenol	10.62	330	475842	110.92	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	2007111	82.94	ng	-0.03
78) Terphenyl-d14	12.91	244	2173296	84.18	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.44	88	214142	34.94	ng	# 71
3) Pyridine	3.14	79	492808	28.84	ng	# 71
4) n-Nitrosodimethylamine	3.09	42	284485	32.43	ng	# 75
6) Aniline	6.45	93	449672	18.92	ng	# 1
8) 2-Chlorophenol	6.58	128	600449	40.90	ng	89
9) Benzaldehyde	6.34	77	60052	5.68	ng	88
10) Phenol	6.45	94	713690	38.63	ng	91
11) bis(2-Chloroethyl)ether	6.53	93	575328	40.20	ng	# 83
12) 1,3-Dichlorobenzene	6.73	146	611790m	40.40	ng	
13) 1,4-Dichlorobenzene	6.81	146	607681	40.02	ng	97
14) 1,2-Dichlorobenzene	6.97	146	611096	42.02	ng	98
15) Benzyl Alcohol	6.94	79	510147	37.32	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.08	45	974395	37.39	ng	88
17) 2-Methylphenol	7.06	107	467391	37.99	ng	94
18) Hexachloroethane	7.31	117	250316	41.22	ng	# 87
19) n-Nitroso-di-n-propylamine	7.22	70	438116	39.83	ng	# 80
20) 3+4-Methylphenols	7.22	107	615513	42.56	ng	# 85
22) Acetophenone	7.21	105	833560	40.69	ng	# 97
24) Nitrobenzene	7.38	77	599388	38.61	ng	96
25) Isophorone	7.62	82	1144499	39.09	ng	99
26) 2-Nitrophenol	7.70	139	330259	46.74	ng	# 87
27) 2,4-Dimethylphenol	7.74	122	584842	40.89	ng	94
28) bis(2-Chloroethoxy)methane	7.84	93	726183	40.61	ng	100
29) 2,4-Dichlorophenol	7.95	162	505578	42.44	ng	92
30) 1,2,4-Trichlorobenzene	8.02	180	518991	42.20	ng	96
31) Naphthalene	8.10	128	1639072	42.40	ng	99
32) Benzoic acid	7.88	122	370806	41.30	ng	98
33) 4-Chloroaniline	8.16	127	224006	12.64	ng	95
34) Hexachlorobutadiene	8.22	225	313894	44.40	ng	98
35) Caprolactam	8.52	113	174690m	43.49	ng	
36) 4-Chloro-3-methylphenol	8.65	107	556511	41.70	ng	95
37) 2-Methylnaphthalene	8.80	142	1190574	42.91	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	470193	38.49	ng	99
40) Hexachlorocyclopentadiene	8.96	237	549889	74.56	ng	100

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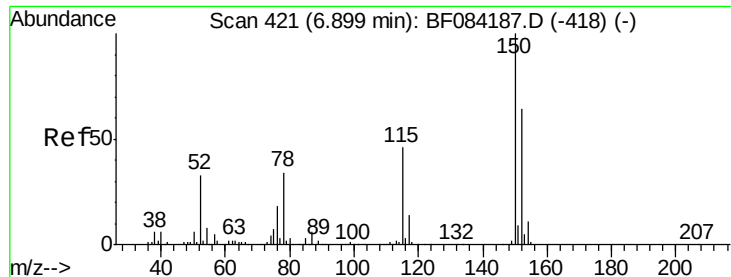
Manual Integrations
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Quant Time: Jan 20 02:58:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	352153	38.53	nq	94
43) 2,4,5-Trichlorophenol	9.13	196	374644	42.76	nq	97
45) 1,1'-Biphenyl	9.26	154	1446700	42.84	nq	97
46) 2-Chloronaphthalene	9.29	162	1086336	40.95	nq	# 89
47) 2-Nitroaniline	9.38	65	322233	36.80	nq	97
48) Acenaphthylene	9.70	152	1609461	41.07	nq	97
49) Dimethylphthalate	9.57	163	1298363	42.74	nq	# 91
50) 2,6-Dinitrotoluene	9.63	165	308074	46.24	nq	# 89
51) Acenaphthene	9.87	154	1031733m	39.24	nq	
52) 3-Nitroaniline	9.79	138	139098	16.85	nq	# 95
53) 2,4-Dinitrophenol	9.90	184	336697	116.91	nq	# 89
54) Dibenzofuran	10.04	168	1354622	39.42	nq	92
55) 4-Nitrophenol	9.97	139	451352	75.31	nq	# 83
56) 2,4-Dinitrotoluene	10.03	165	359793	42.67	nq	# 91
57) Fluorene	10.38	166	1108981	41.96	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.17	232	307531	41.11	nq	88
59) Diethylphthalate	10.27	149	1304221	43.54	nq	97
60) 4-Chlorophenyl-phenylether	10.37	204	503515	45.39	nq	# 88
61) 4-Nitroaniline	10.41	138	271774	36.93	nq	92
62) Azobenzene	10.53	77	1299219	39.55	nq	86
64) 4,6-Dinitro-2-methylphenol	10.44	198	234908	48.60	nq	79
65) n-Nitrosodiphenylamine	10.50	169	976124	38.21	nq	99
66) 4-Bromophenyl-phenylether	10.86	248	330037	38.38	nq	# 78
67) Hexachlorobenzene	10.93	284	392718	40.57	nq	95
68) Atrazine	11.04	200	333435	39.89	nq	90
69) Pentachlorophenol	11.13	266	368892	73.50	nq	98
70) Phenanthrene	11.34	178	1757545	42.05	nq	96
71) Anthracene	11.39	178	1687986	41.20	nq	99
72) Carbazole	11.55	167	1441058	35.98	nq	98
73) Di-n-butylphthalate	11.89	149	1956151	46.29	nq	99
74) Fluoranthene	12.53	202	1832180	41.97	nq	93
76) Benzidine	12.65	184	446941	21.63	nq	99
77) Pyrene	12.76	202	1857431	41.07	nq	99
79) Butylbenzylphthalate	13.38	149	773700	39.54	nq	88
80) Benzo(a)anthracene	13.94	228	1420099	41.97	nq	98
81) 3,3'-Dichlorobenzidine	13.91	252	345558	29.26	nq	# 94
82) Chrysene	13.99	228	1473942	45.33	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	982870	39.76	nq	# 100
84) Di-n-octyl phthalate	14.56	149	1708359	40.93	nq	# 90
85) Indeno(1,2,3-cd)pyrene	16.72	276	1047485	40.64	nq	100
87) Benzo(b)fluoranthene	14.97	252	1432894m	46.76	nq	
88) Benzo(k)fluoranthene	14.99	252	976645m	38.97	nq	
89) Benzo(a)pyrene	15.30	252	1093676	42.08	nq	# 94
90) Dibenzo(a,h)anthracene	16.74	278	864477	38.65	nq	# 95
91) Benzo(g,h,i)perylene	17.13	276	891127	38.48	nq	99

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



#1

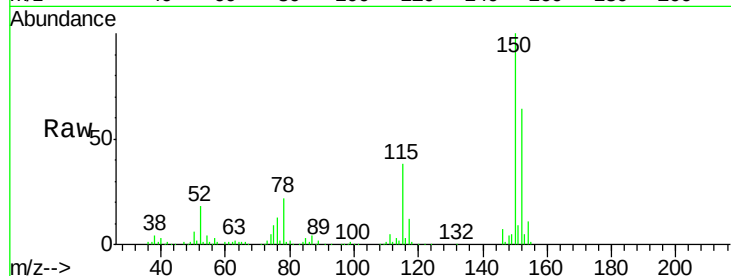
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
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ClientSampleId :
PB87864BS

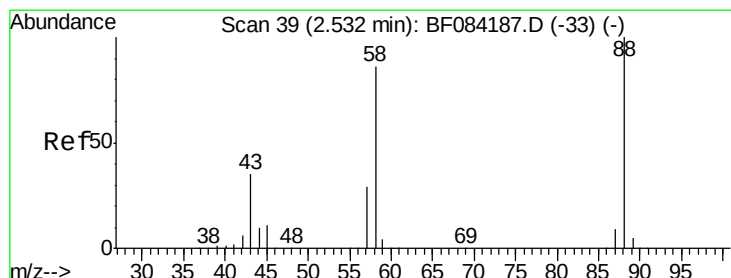
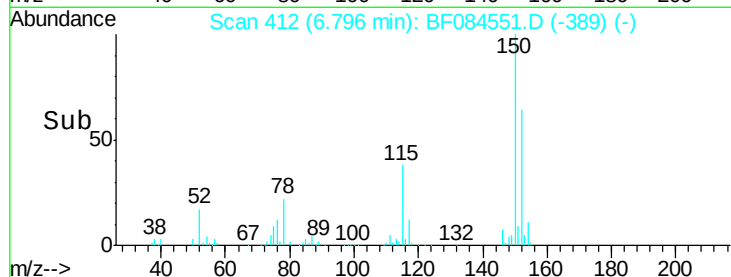
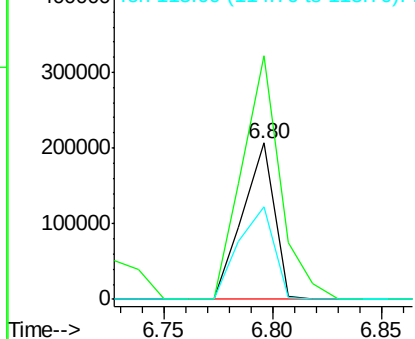
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.0	184.4
115	59.0	51.4	77.2

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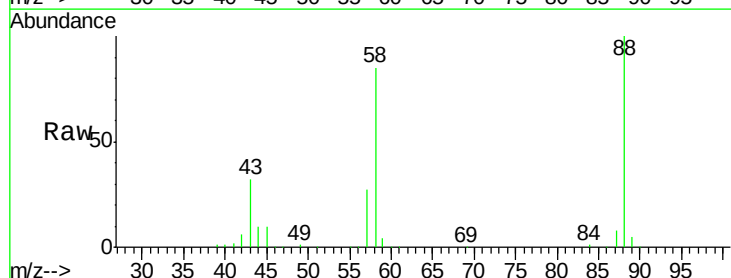
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



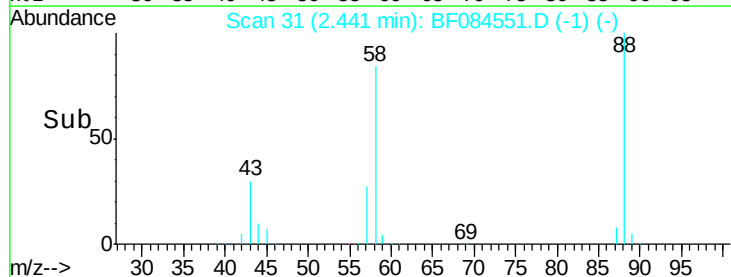
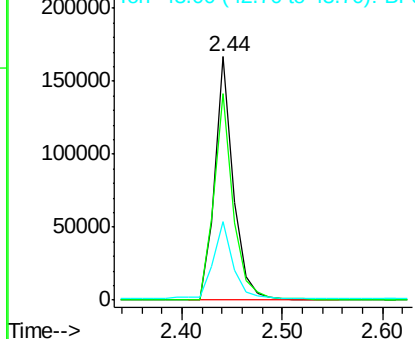
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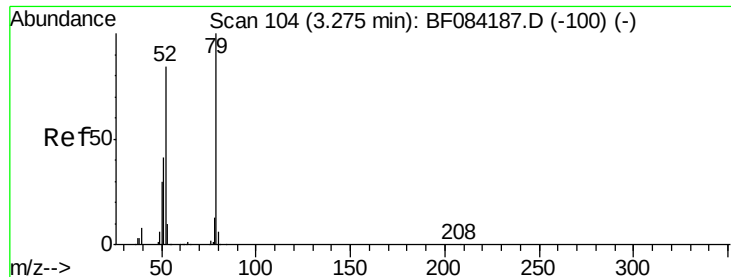
1,4-Dioxane
Concen: 34.94 ng
RT: 2.44 min Scan# 31
Delta R.T. 0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.4	51.2	76.8#
43	35.6	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: 28.84 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.01 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

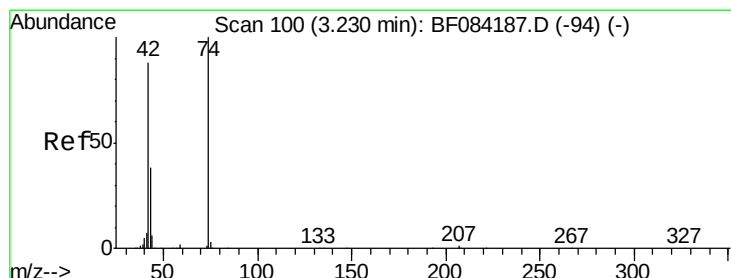
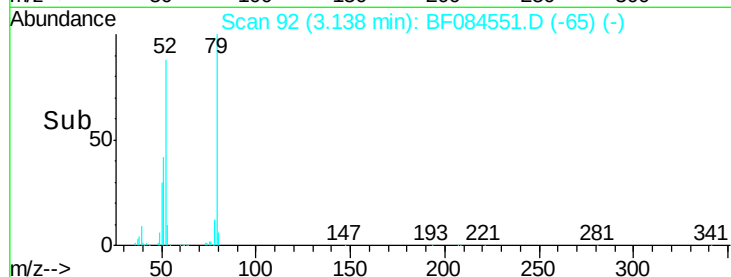
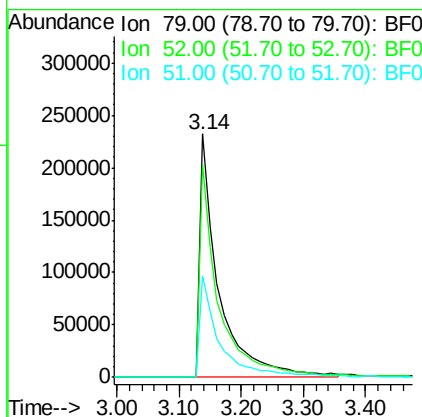
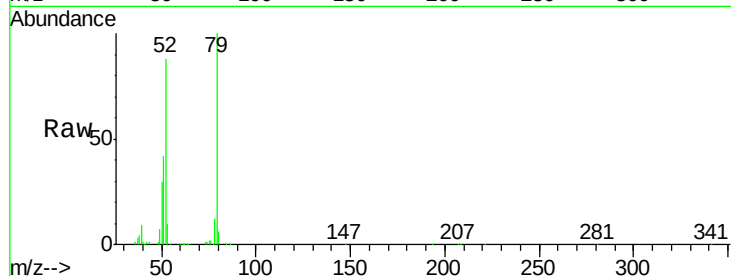
ClientSampleId :

PB87864BS

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	87.5	49.0	73.4#		
51	41.8	25.2	37.8#		



#4

n-Nitrosodimethylamine

Concen: 32.43 ng

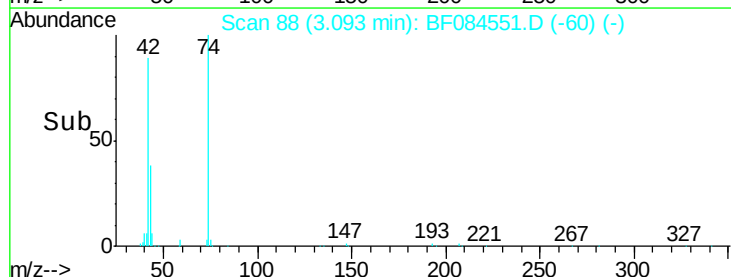
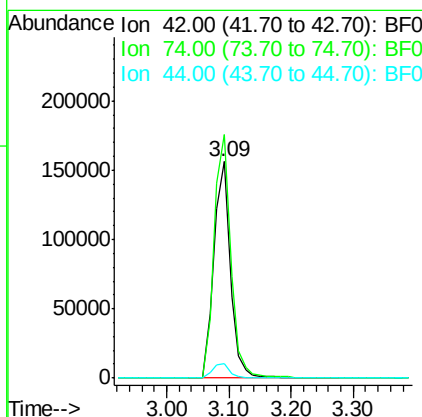
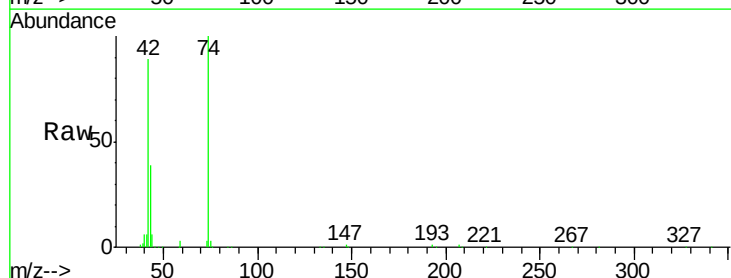
RT: 3.09 min Scan# 88

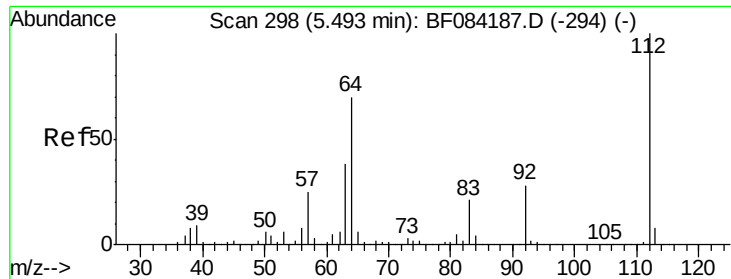
Delta R.T. 0.02 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	112.5	115.7	173.5#		
44	6.8	5.1	7.7		





#5

2-Fluorophenol

Concen: 103.01 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampled :

PB87864BS

Tot Ion: 112 Resp: 1332811

Ion Ratio Lower Upper

112 100

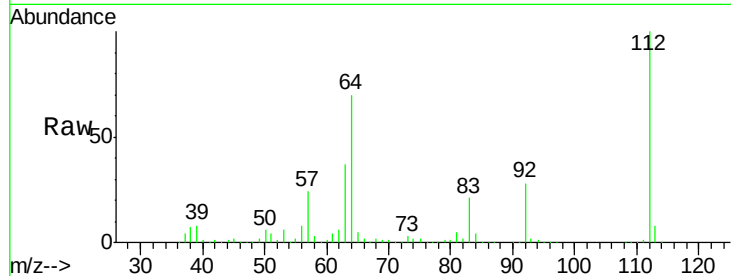
64 69.5 36.6 55.0#

63 36.8 19.4 29.0#

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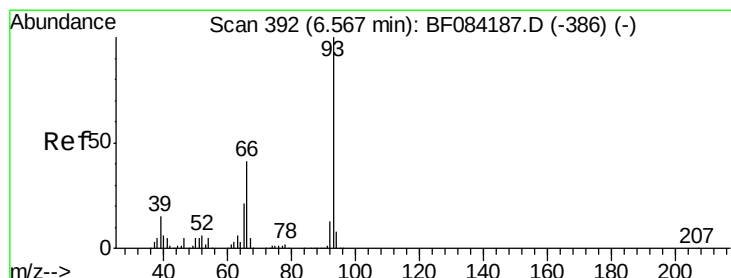
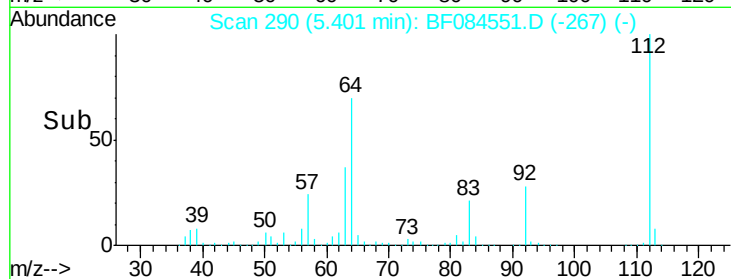
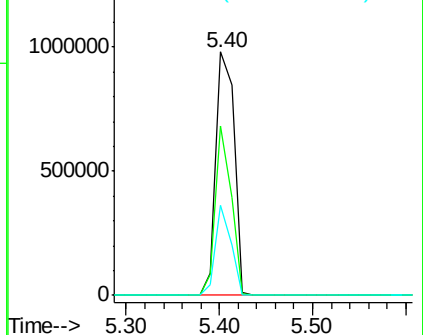
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.92 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

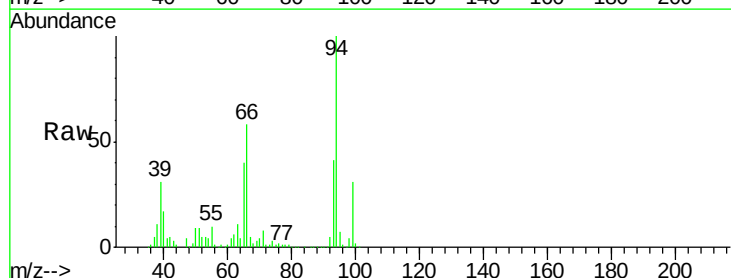
Tgt Ion: 93 Resp: 449672

Ion Ratio Lower Upper

93 100

66 141.0 44.9 67.3#

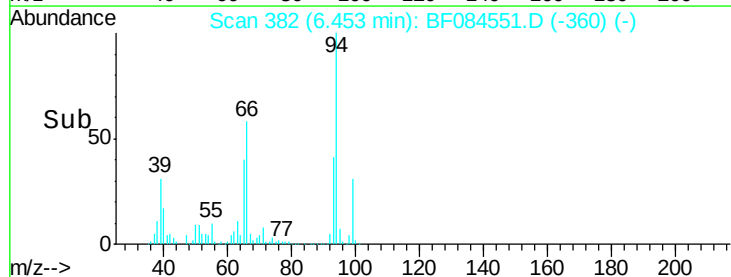
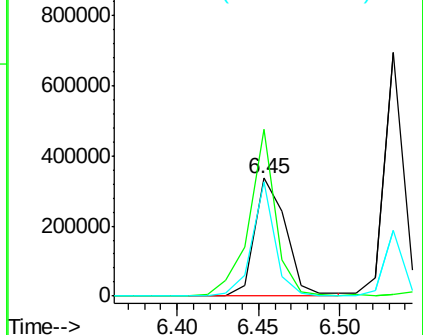
65 97.1 23.7 35.5#

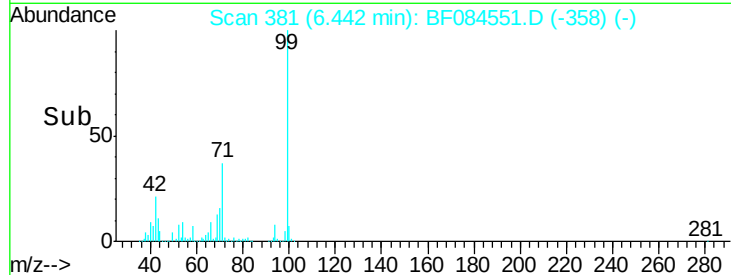
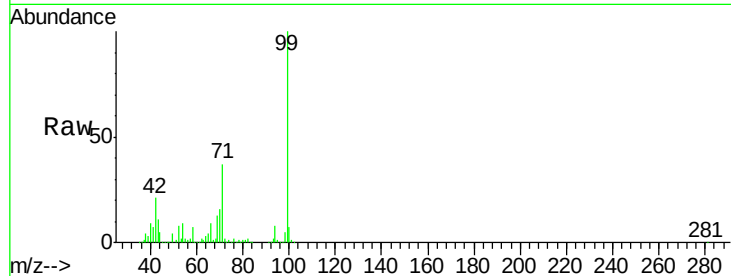
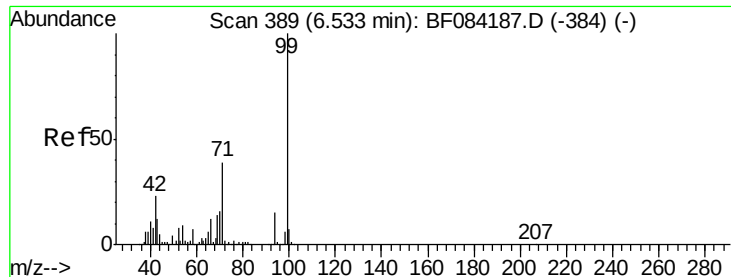


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 113.15 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tot Ion: 99 Resp: 1838595

Ion Ratio Lower Upper

99 100

42 20.6 12.8 19.2#

71 37.3 30.9 46.3

Instrument :

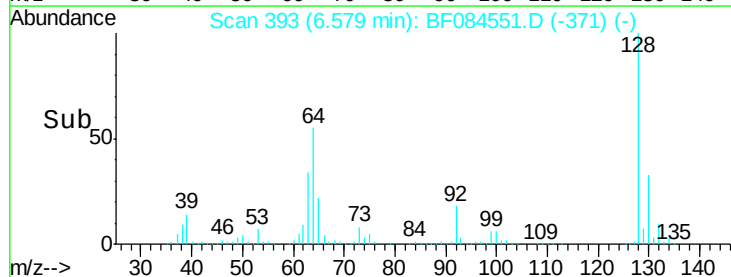
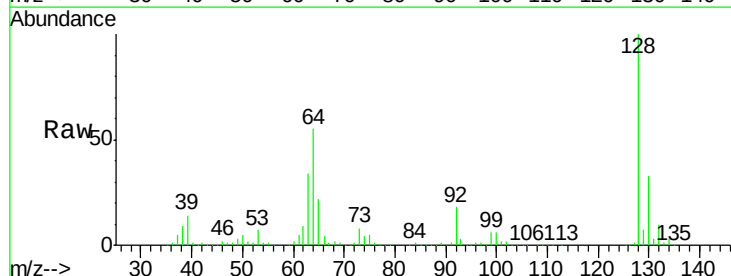
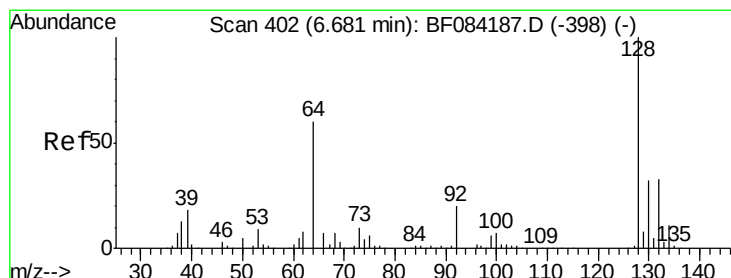
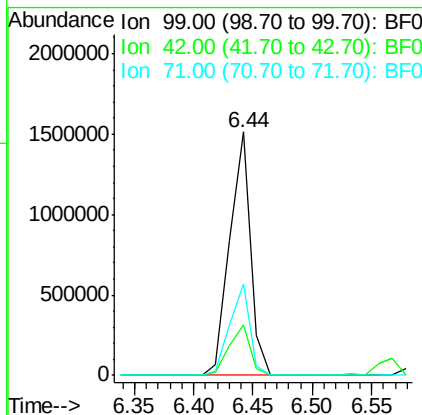
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#8

2-Chlorophenol

Concen: 40.90 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

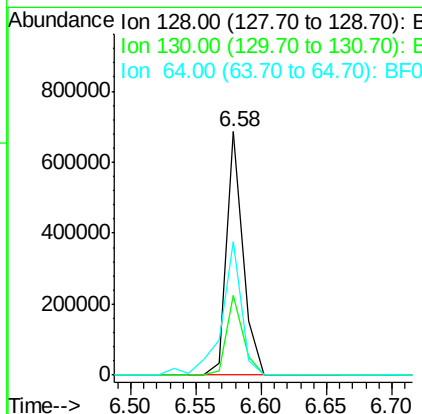
Tgt Ion: 128 Resp: 600449

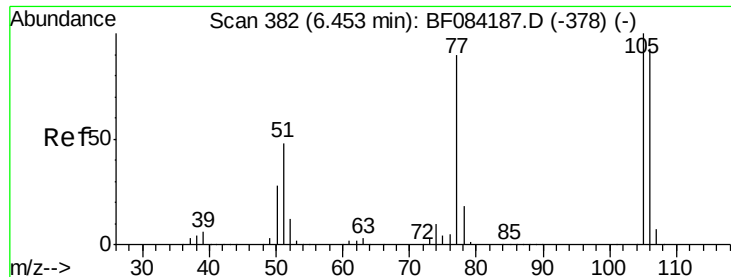
Ion Ratio Lower Upper

128 100

130 32.5 11.6 51.6

64 54.9 23.8 63.8





#9

Benzaldehyde

Concen: 5.68 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

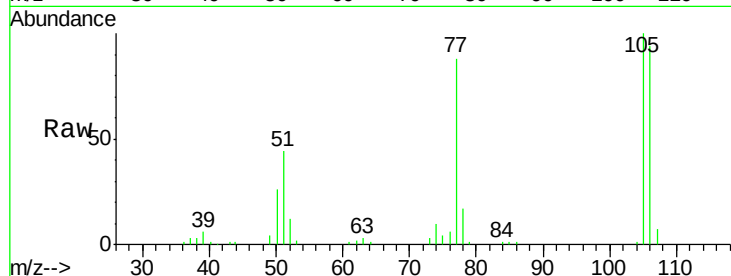
ClientSampleID :

PB87864BS

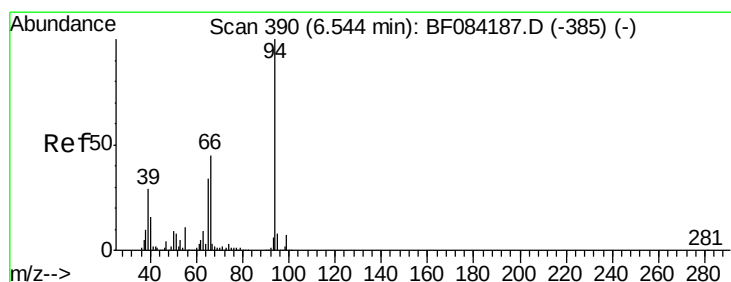
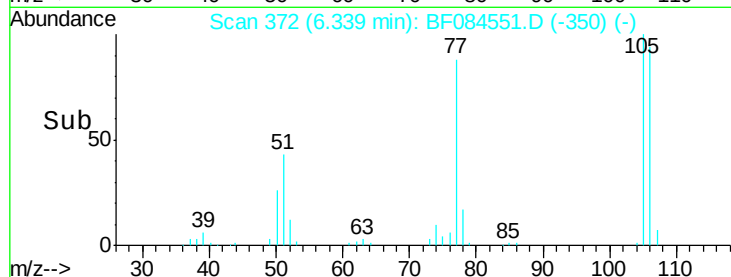
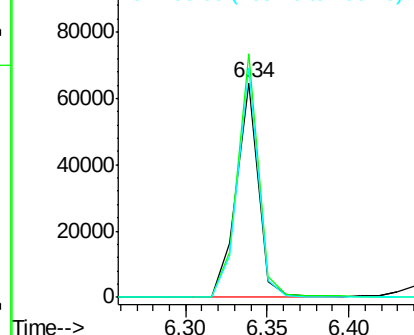
Manual Integrations
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	113.4	83.0	123.0		
106	107.1	74.6	114.6		



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 38.63 ng

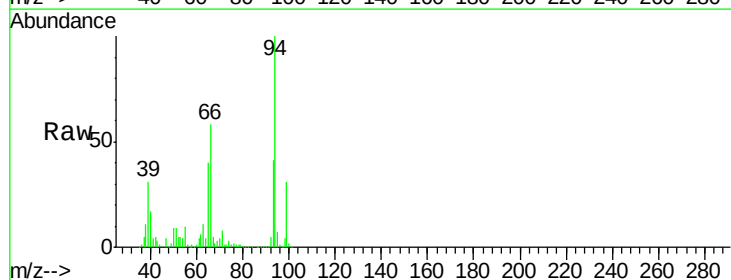
RT: 6.45 min Scan# 382

Delta R.T. -0.05 min

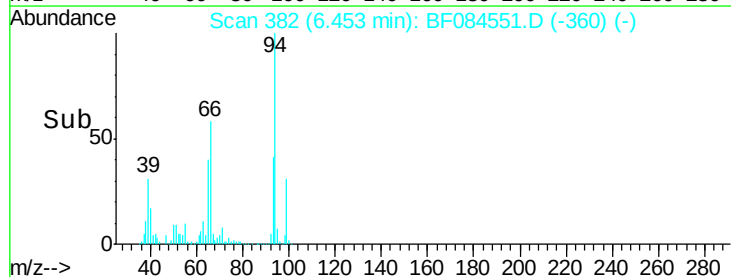
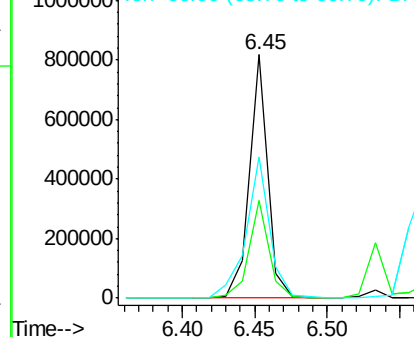
Lab File: BF084551.D

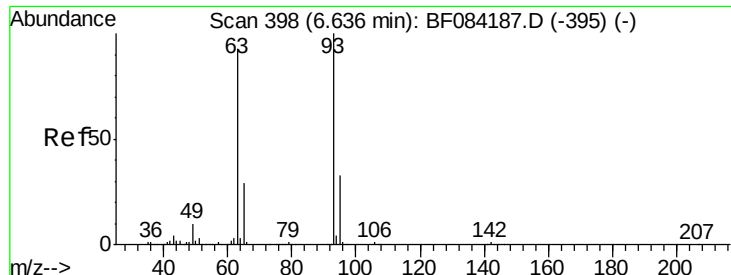
Acq: 19 Jan 2016 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	39.9	12.9	52.9		
66	58.0	32.7	72.7		



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 40.20 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

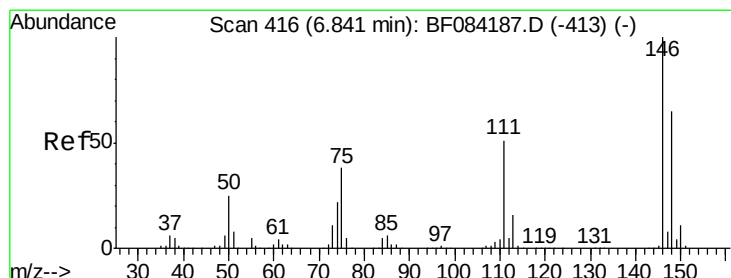
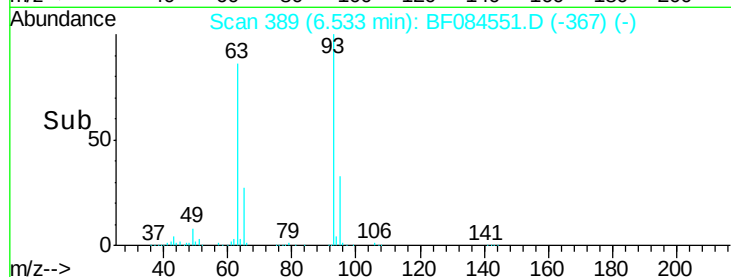
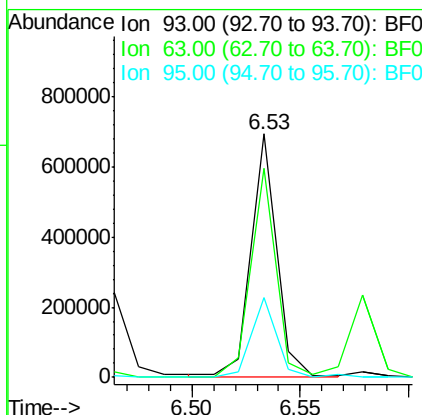
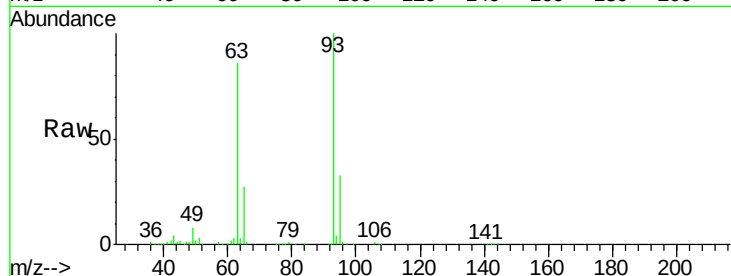
ClientSampleId :

PB87864BS

Tot Ion	93	Resp	575328
Ion Ratio	Lower	Upper	
93	100		
63	86.1	45.9	85.9#
95	33.0	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 40.40 ng m

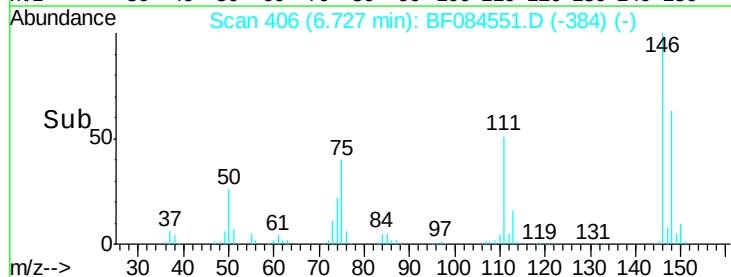
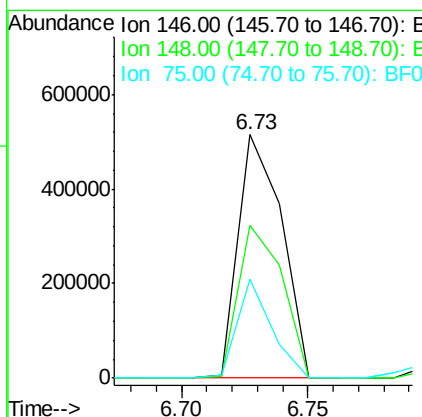
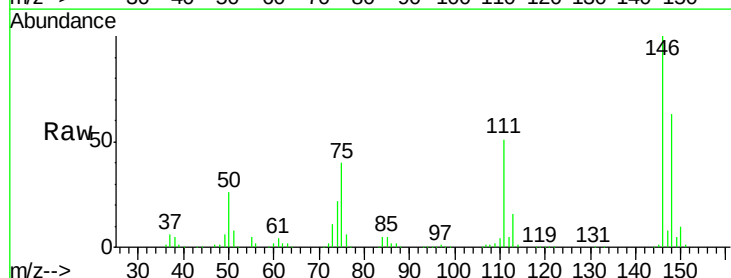
RT: 6.73 min Scan# 406

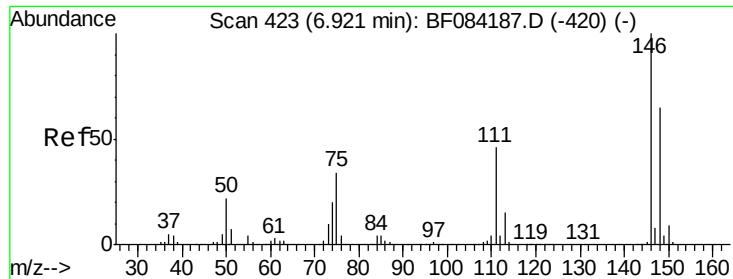
Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion	146	Resp	611790
Ion Ratio	Lower	Upper	
146	100		
148	62.6	51.9	77.9
75	40.4	20.5	30.7#





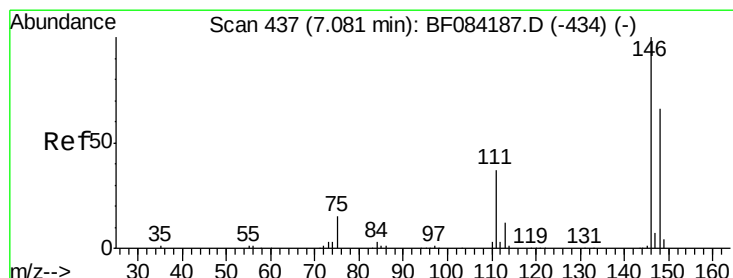
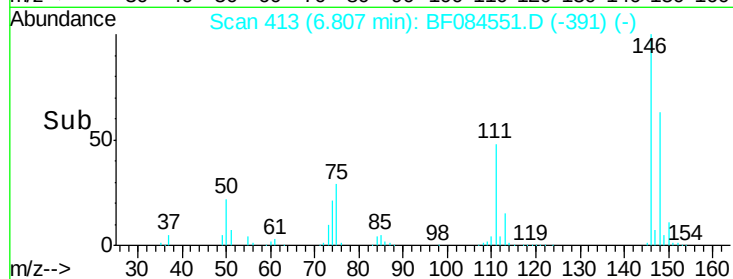
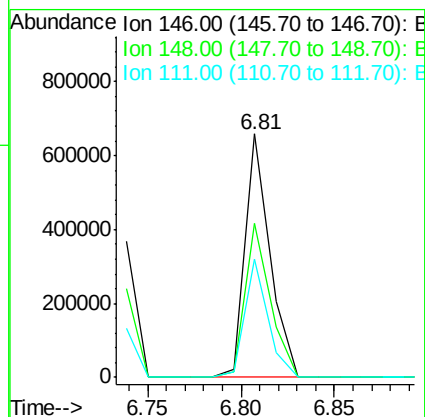
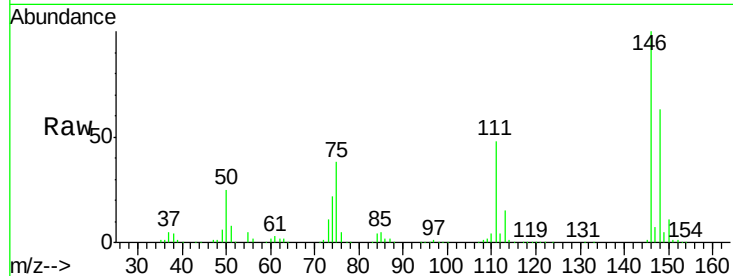
#13
 1,4-Dichlorobenzene
 Concen: 40.02 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	48.4	41.6	62.4

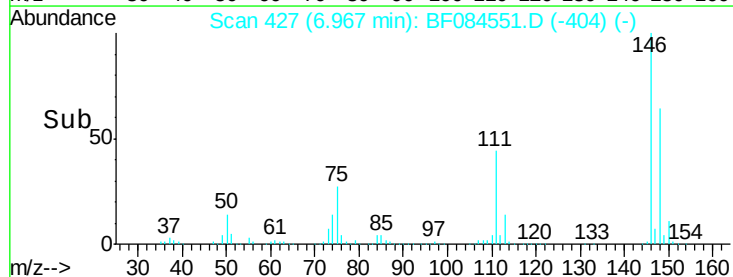
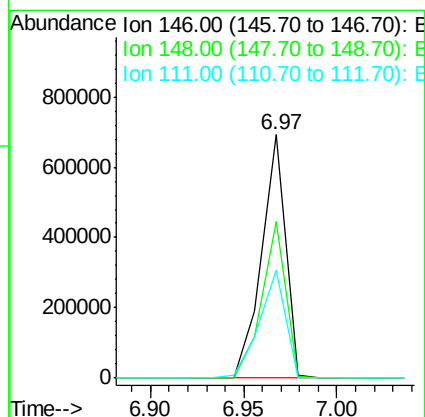
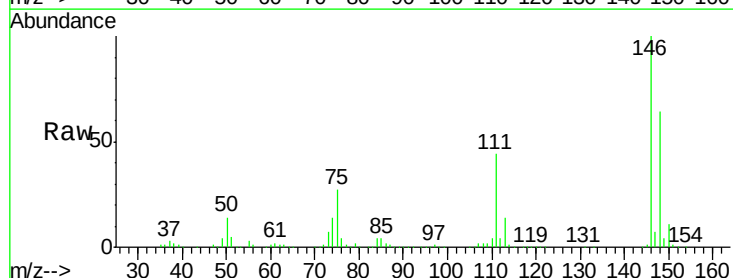
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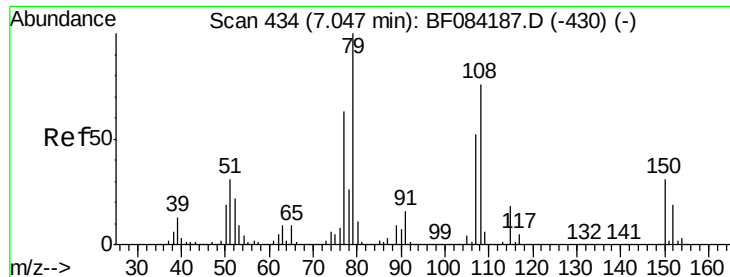
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#14
 1,2-Dichlorobenzene
 Concen: 42.02 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.6	77.4
111	44.2	38.0	57.0





#15

Benzyl Alcohol

Concen: 37.32 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

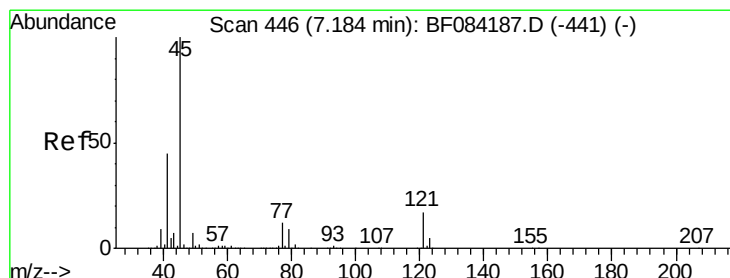
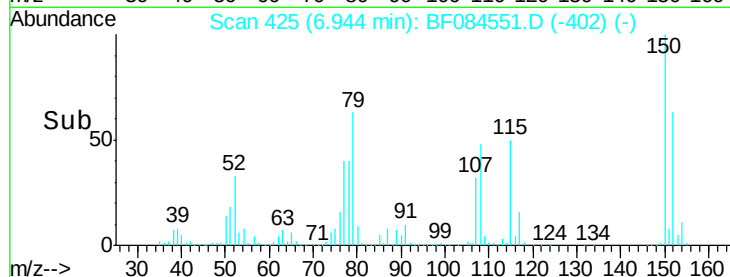
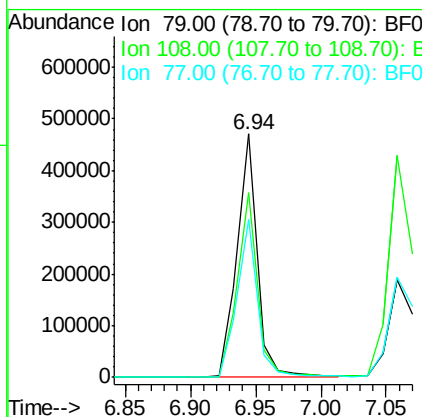
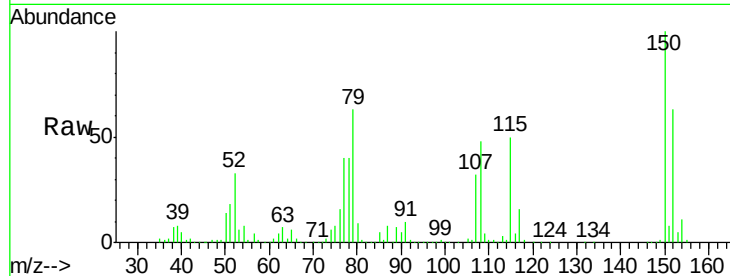
ClientSampleId :

PB87864BS

Tot Ion:	79	Resp:	510147
Ion Ratio	Lower	Upper	
79	100		
108	76.1	69.0	103.4
77	64.8	50.0	75.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.39 ng

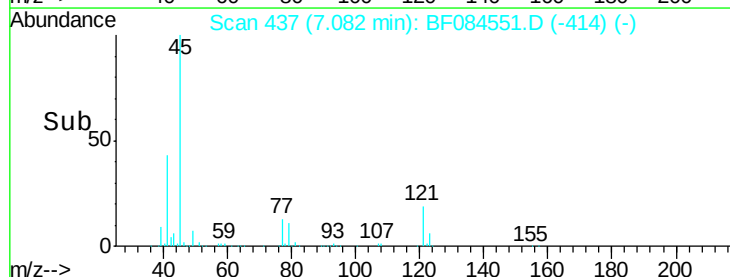
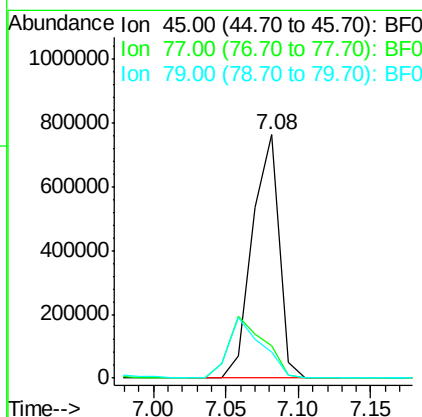
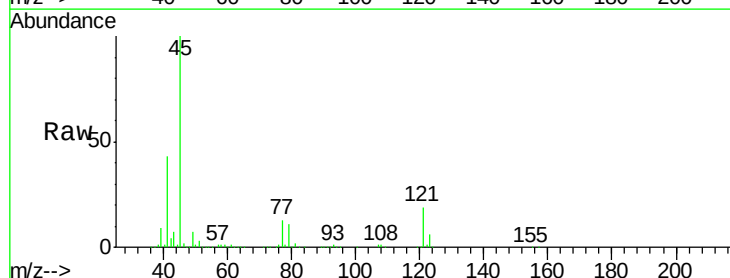
RT: 7.08 min Scan# 437

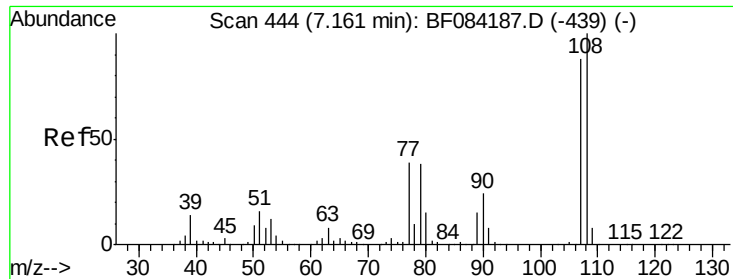
Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:	45	Resp:	974395
Ion Ratio	Lower	Upper	
45	100		
77	13.3	0.0	39.6
79	10.6	0.0	35.0





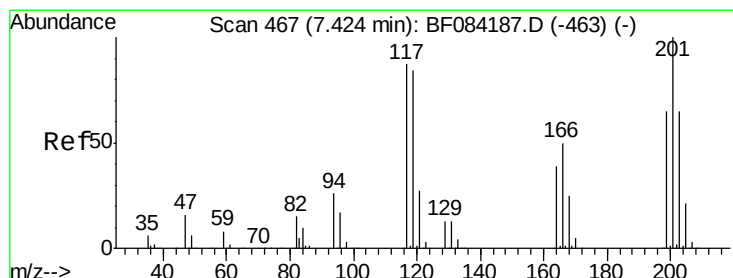
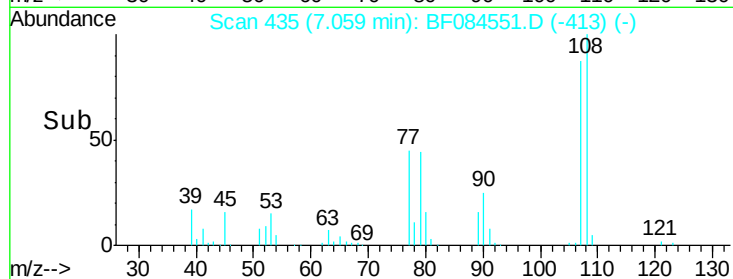
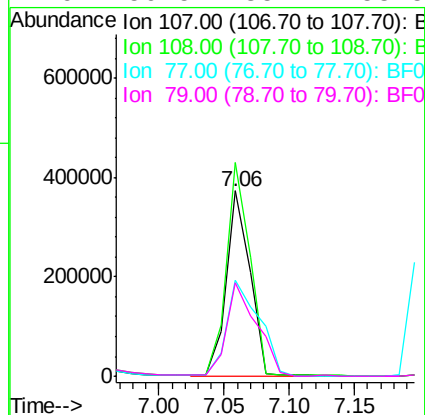
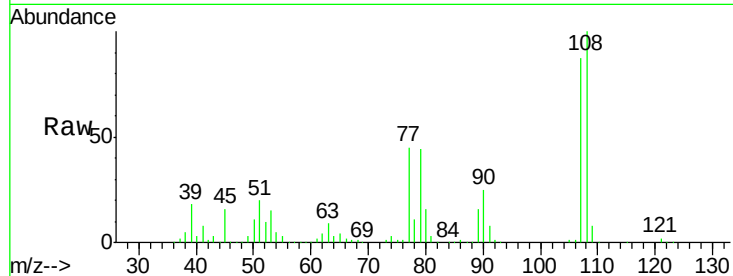
#17
2-Methylphenol
Concen: 37.99 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	467391		
108	108	115.4	89.8	134.6	
77	77	52.2	35.7	53.5	
79	79	50.5	35.7	53.5	

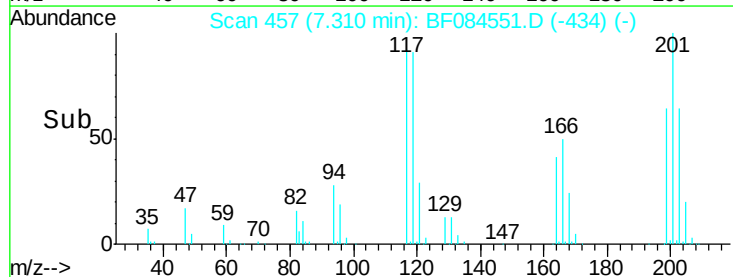
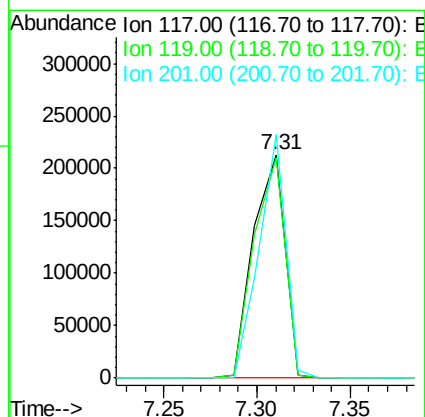
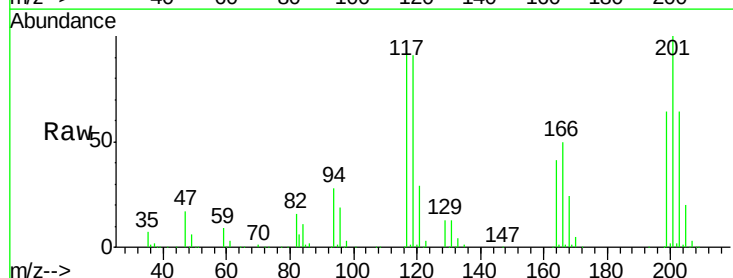
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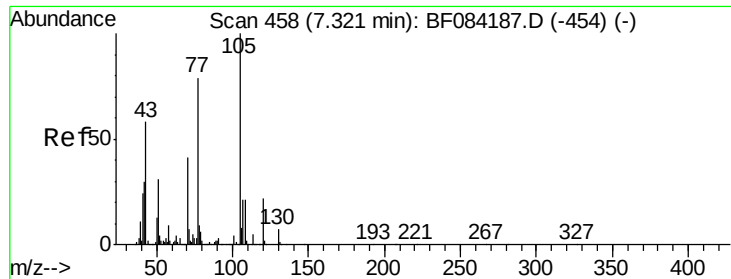
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#18
Hexachloroethane
Concen: 41.22 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	250316		
119	119	98.7	77.4	116.0	
201	201	108.9	68.6	103.0	





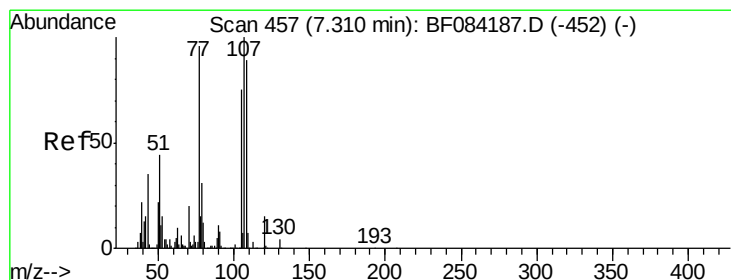
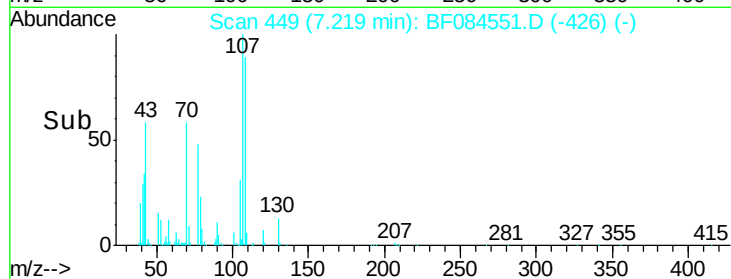
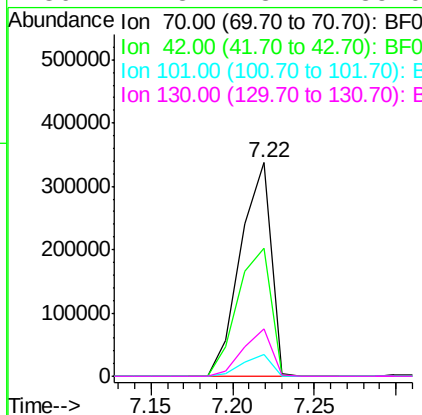
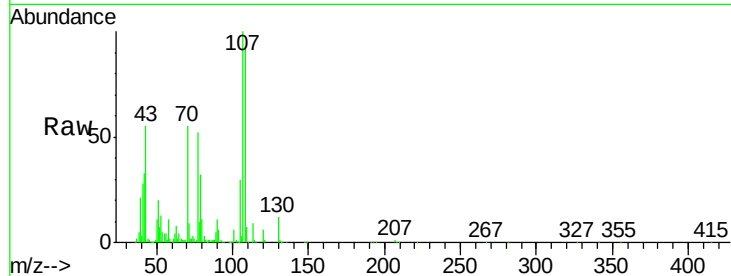
#19
n-Nitroso-di-n-propylamine
Concen: 39.83 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.0	33.3	49.9#
101	10.2	9.3	13.9
130	22.3	23.4	35.0#

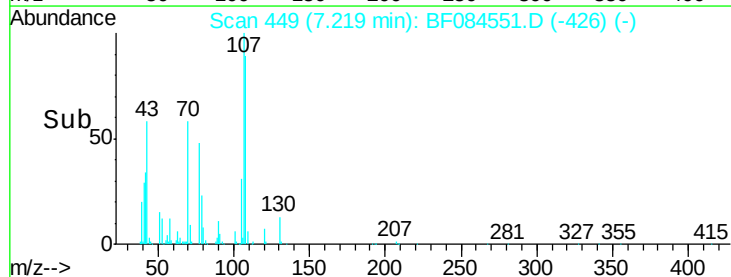
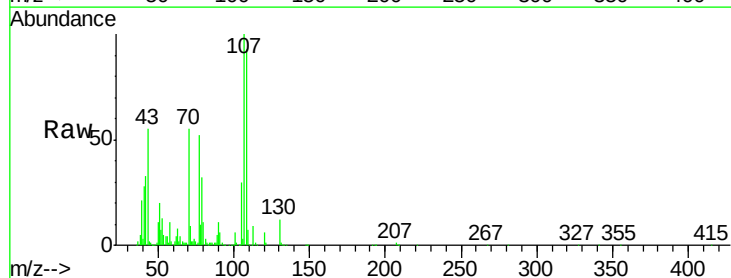
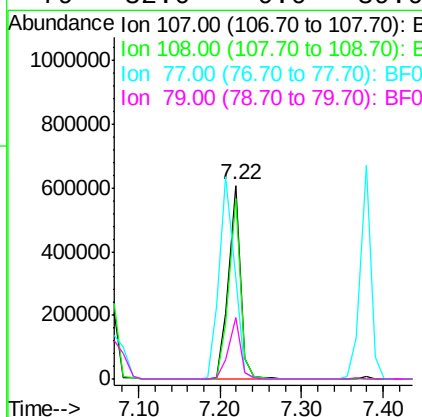
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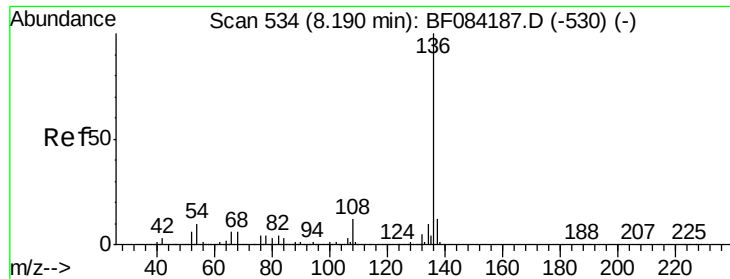
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#20
3+4-Methylphenols
Concen: 42.56 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.3	74.6	114.6
77	52.3	0.7	40.7#
79	32.0	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084551.D

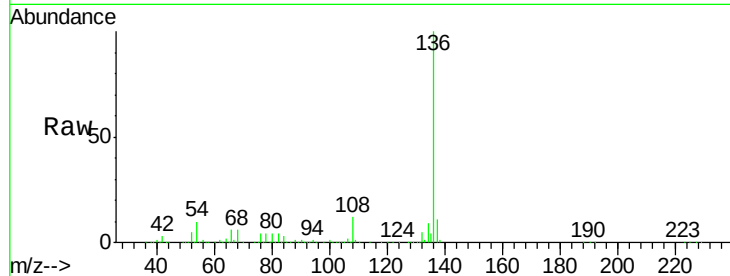
Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

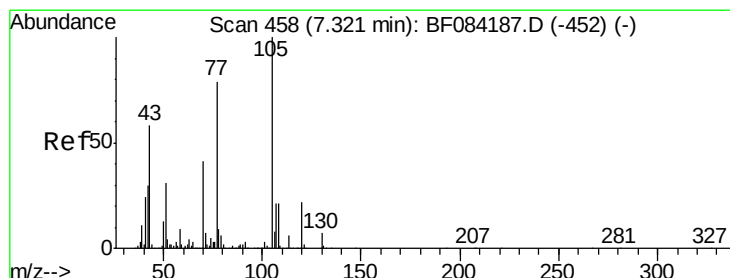
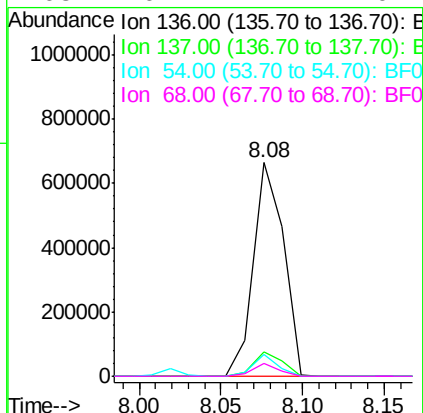
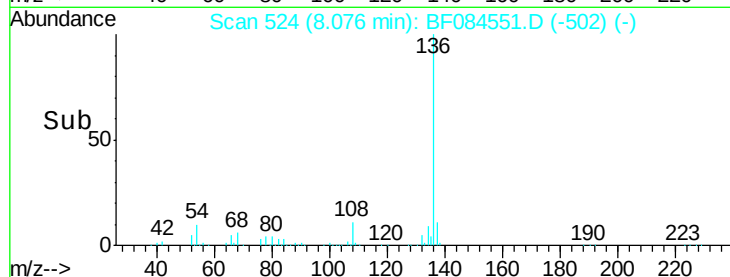
PB87864BS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		851954		
137	11.3	8.7	13.1		
54	10.4	5.8	8.8#		
68	6.1	4.2	6.2		

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#22

Acetophenone

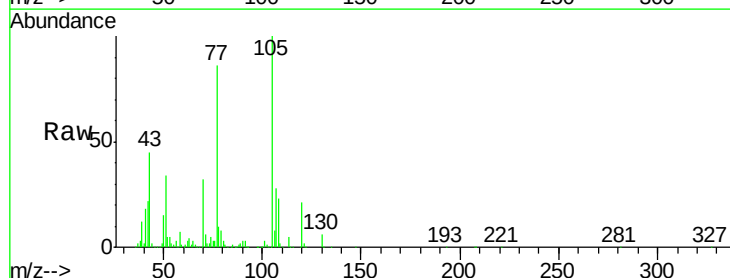
Concen: 40.69 ng

RT: 7.21 min Scan# 448

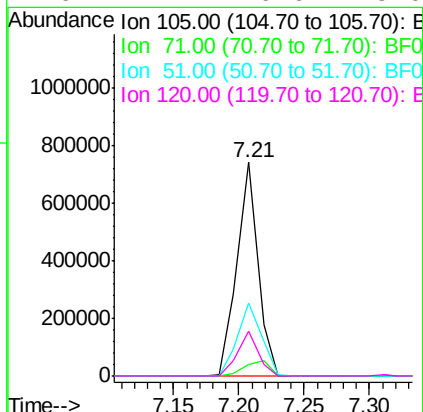
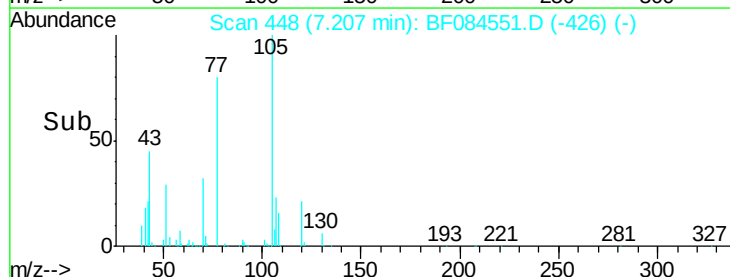
Delta R.T. -0.05 min

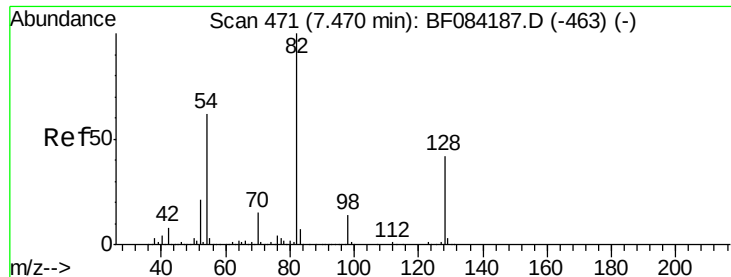
Lab File: BF084551.D

Acq: 19 Jan 2016 14:47



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		833560		
71	5.6	3.7	5.5#		
51	34.2	25.1	37.7		
120	21.1	16.6	25.0		





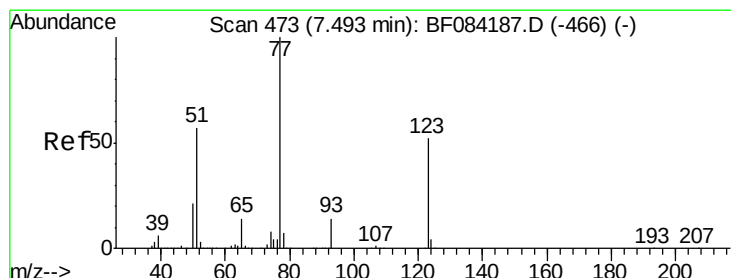
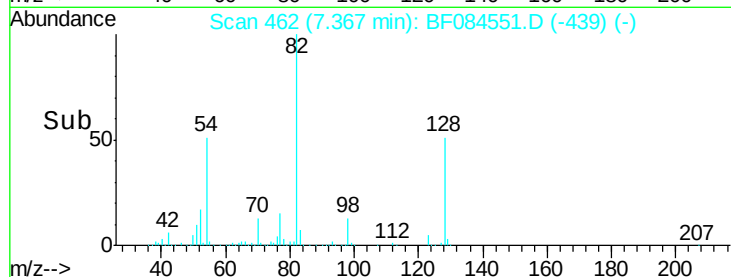
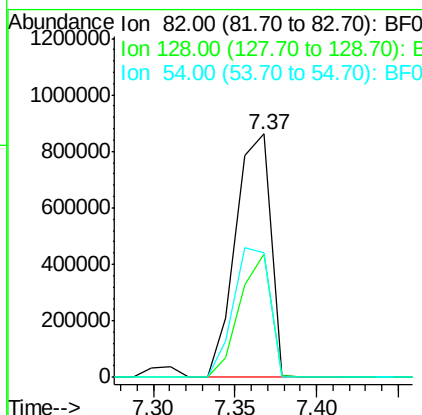
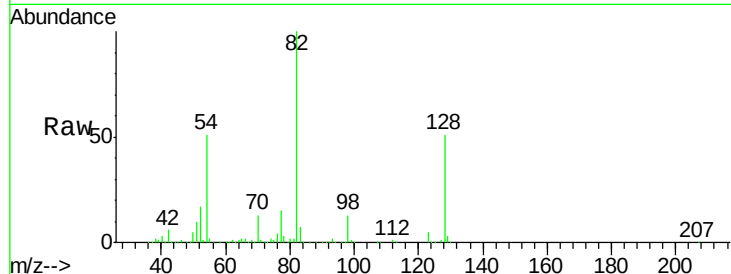
#23
 Nitrobenzene-d5
 Concen: 83.56 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.6	51.8
54	51.4	38.4	57.6

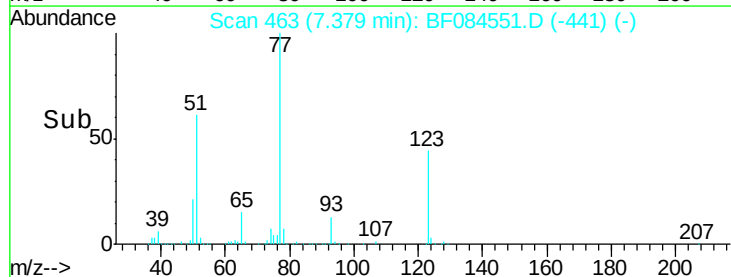
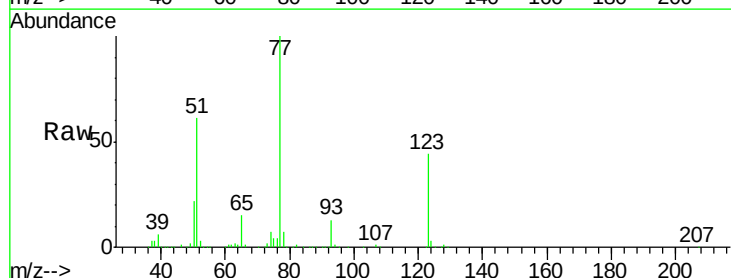
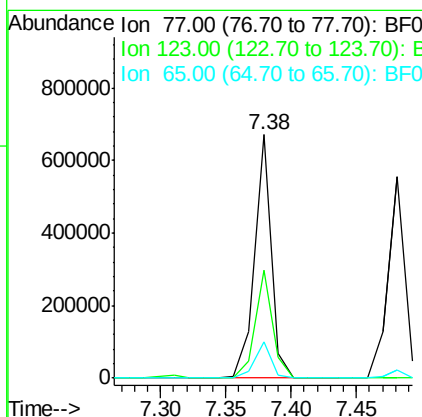
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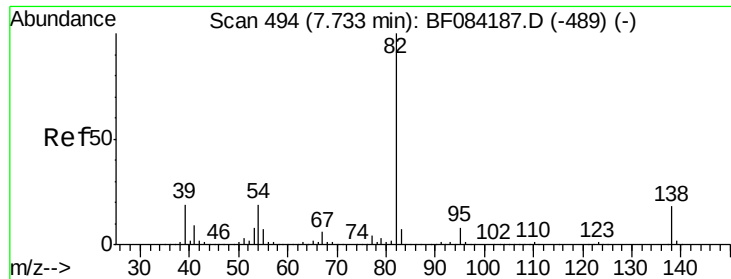
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#24
 Nitrobenzene
 Concen: 38.61 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.3	37.4	56.2
65	14.8	10.9	16.3





#25

Isophorone

Concen: 39.09 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion: 82 Resp: 1144499

Ion Ratio Lower Upper

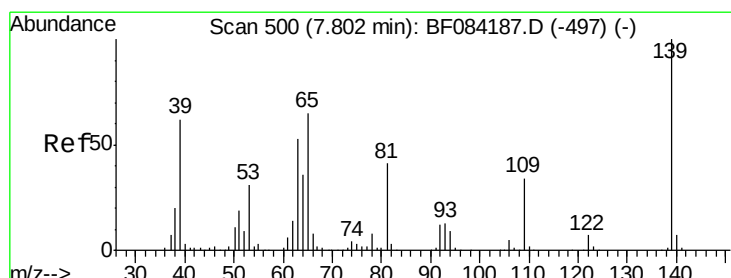
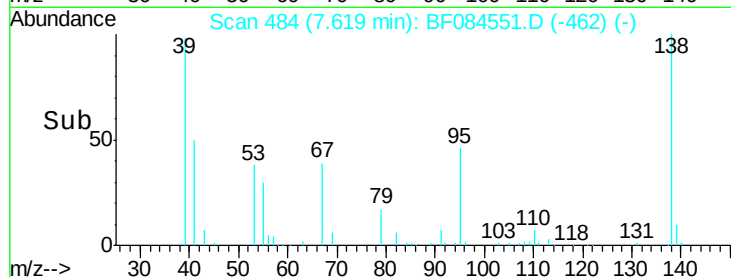
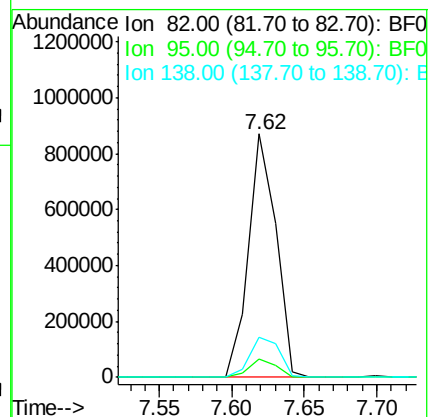
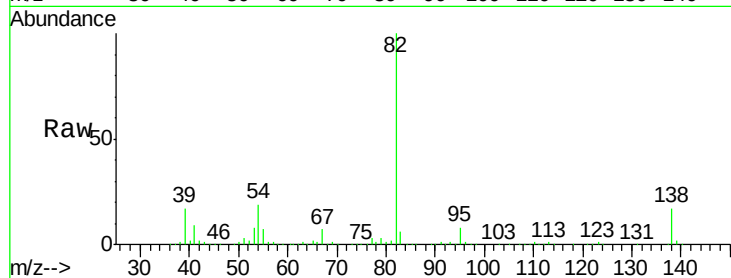
82 100

95 7.6 6.6 10.0

138 16.5 13.6 20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 46.74 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

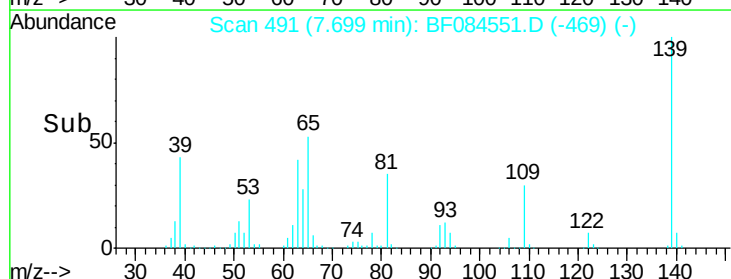
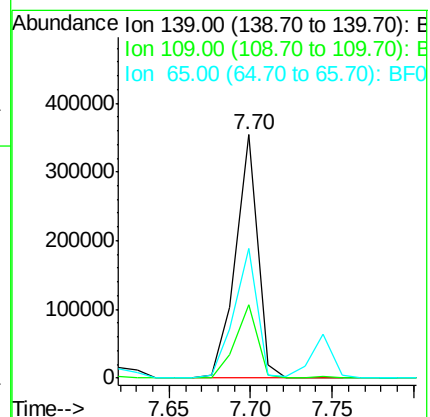
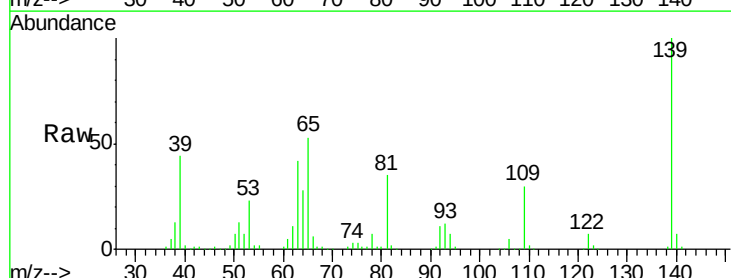
Tgt Ion: 139 Resp: 330259

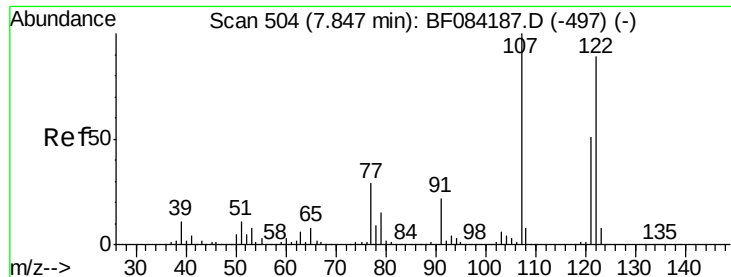
Ion Ratio Lower Upper

139 100

109 30.1 25.4 38.2

65 53.1 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 40.89 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

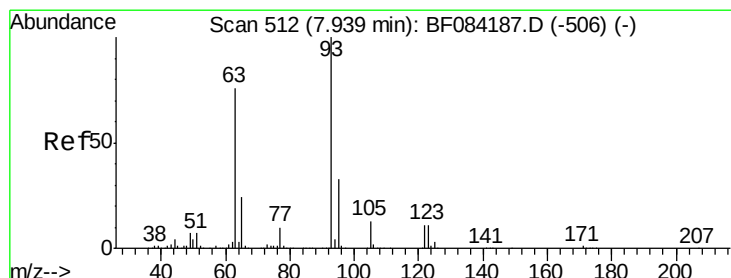
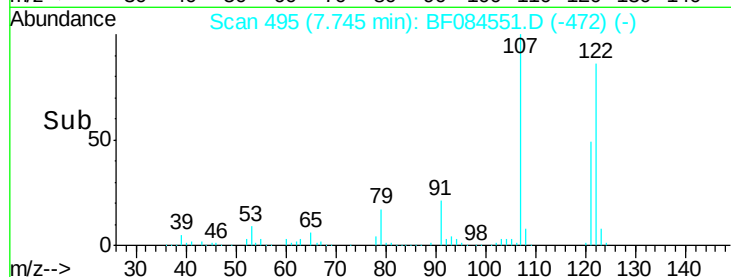
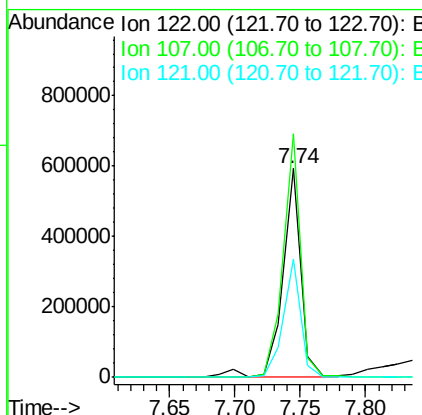
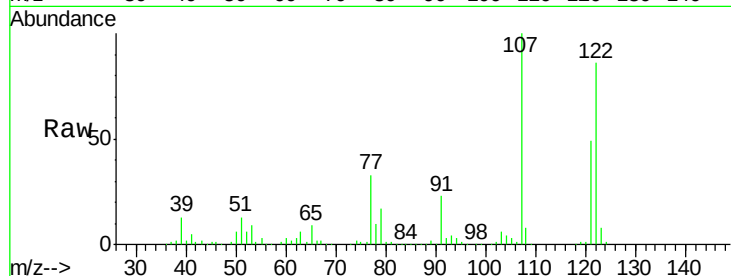
ClientSampleId :

PB87864BS

Tot Ion:	122	Resp:	584842
Ion Ratio	Lower	Upper	
122	100		
107	116.7	99.1	148.7
121	56.9	47.9	71.9

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 40.61 ng

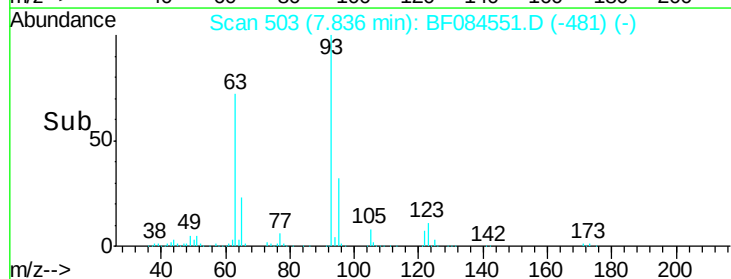
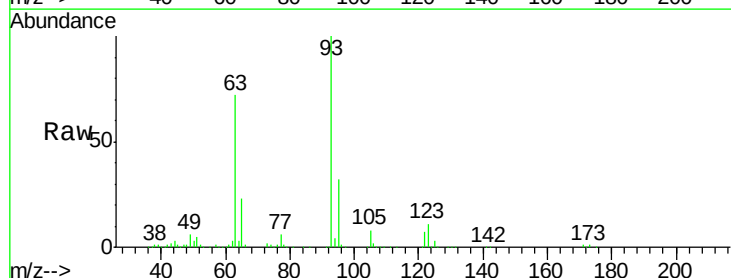
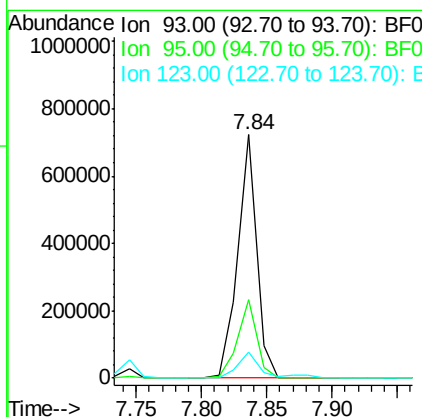
RT: 7.84 min Scan# 503

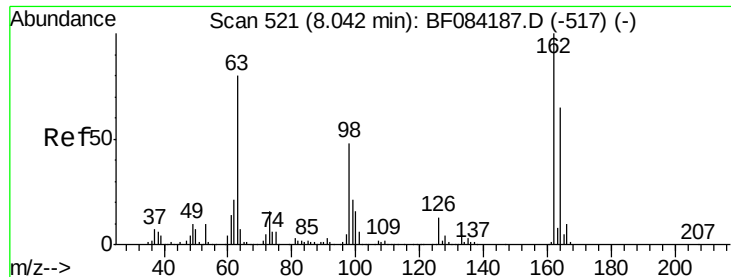
Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:	93	Resp:	726183
Ion Ratio	Lower	Upper	
93	100		
95	32.1	25.8	38.6
123	10.8	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 42.44 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

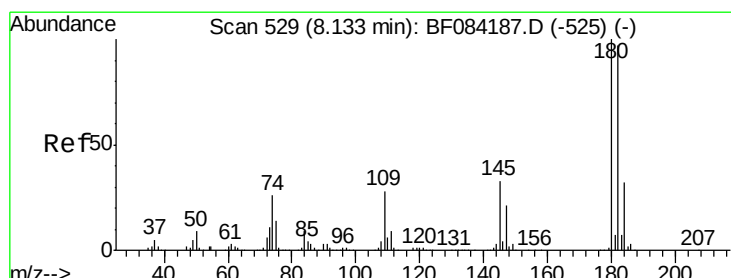
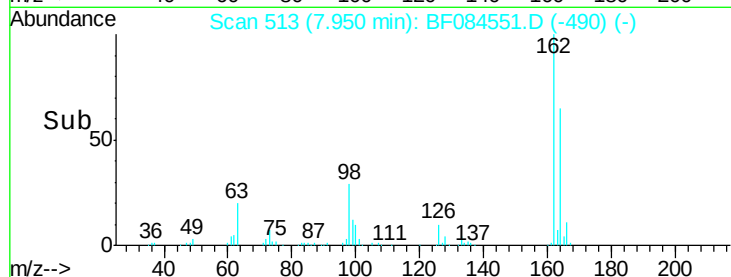
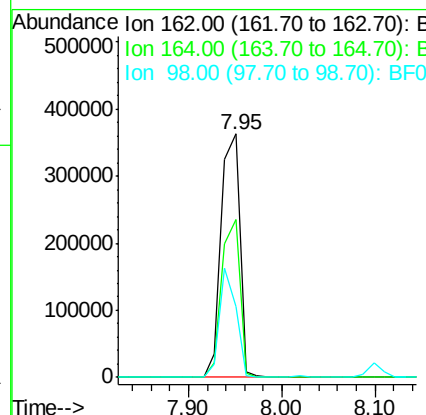
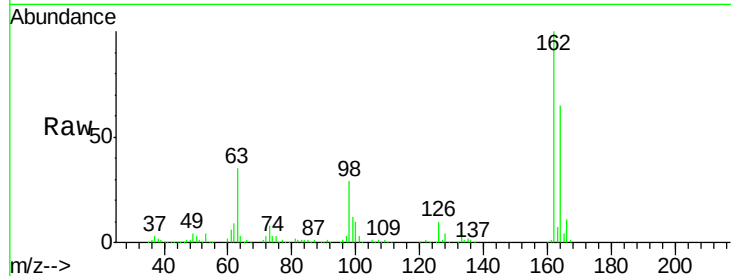
ClientSampleId :

PB87864BS

Tot Ion:	162	Resp:	505578
Ion Ratio	Lower	Upper	
162	100		
164	65.0	44.1	84.1
98	29.2	20.2	60.2

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 42.20 ng

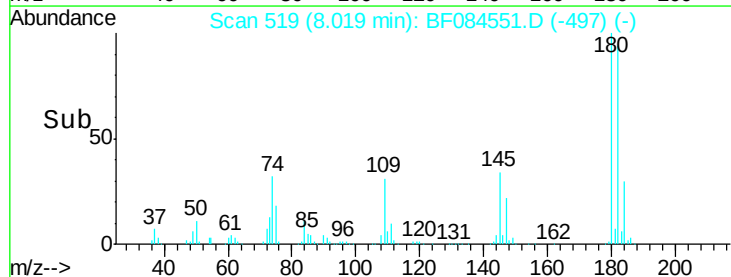
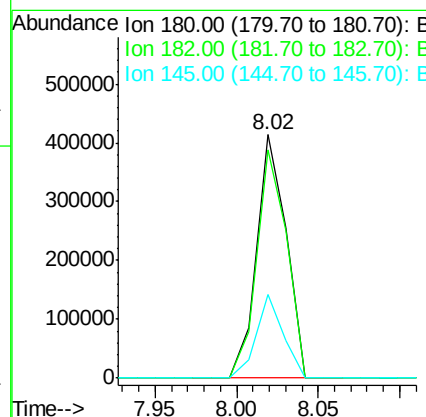
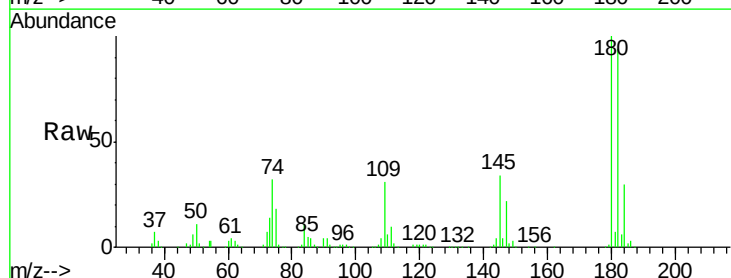
RT: 8.02 min Scan# 519

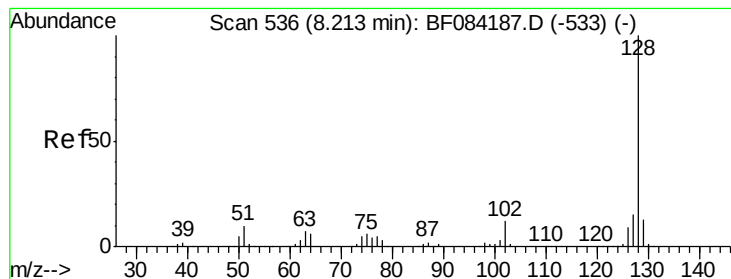
Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:	180	Resp:	518991
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.4	114.6
145	34.2	31.6	47.4





#31

Naphthalene

Concen: 42.40 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:128 Resp: 1639072

Ion Ratio Lower Upper

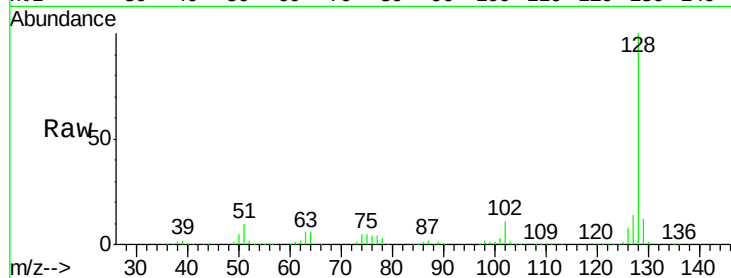
128 100

129 11.8 9.1 13.7

127 13.7 11.1 16.7

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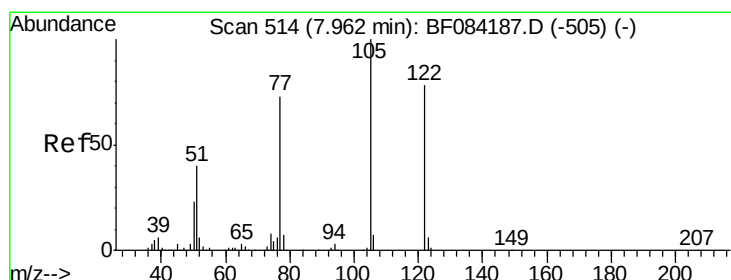
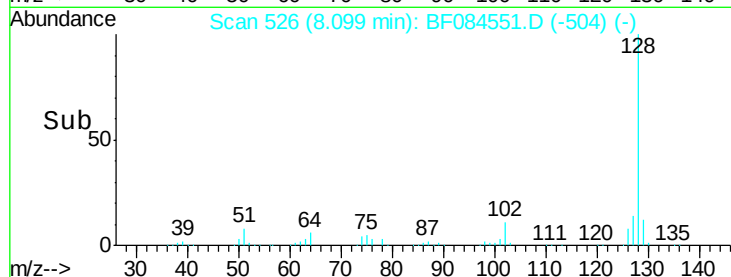
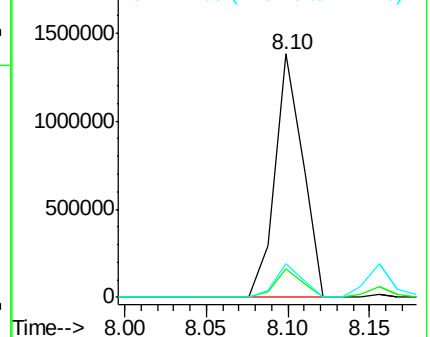
mohammad
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 41.30 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

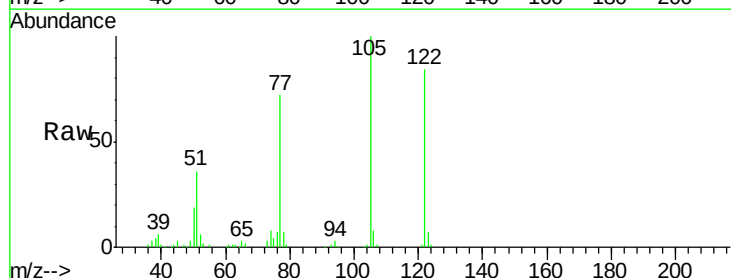
Tgt Ion:122 Resp: 370806

Ion Ratio Lower Upper

122 100

105 118.4 100.3 140.3

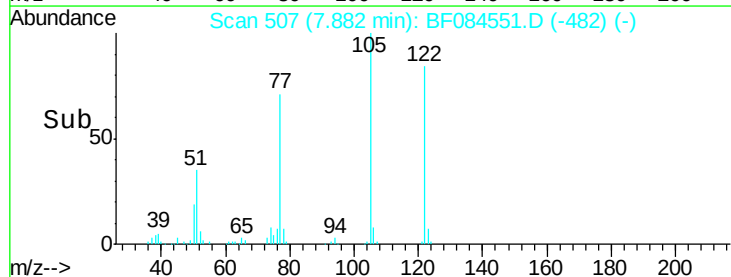
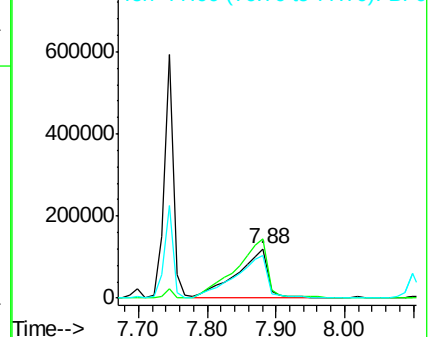
77 84.8 63.5 103.5

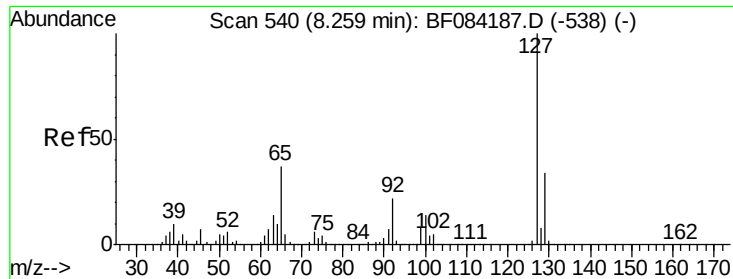


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





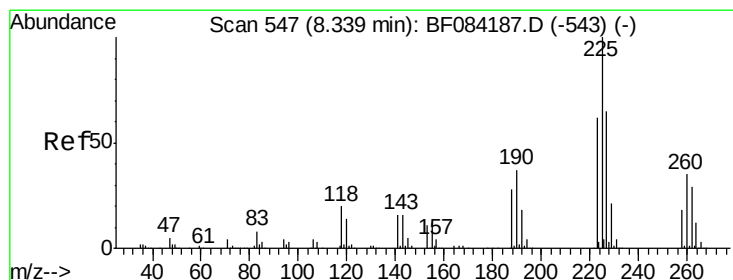
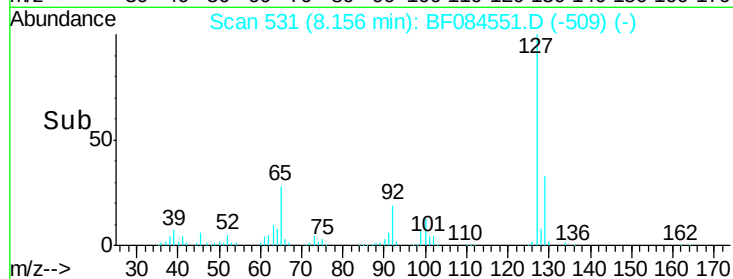
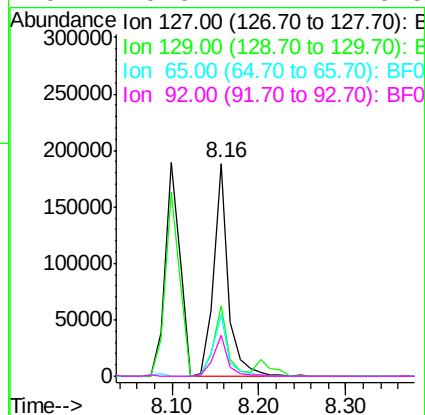
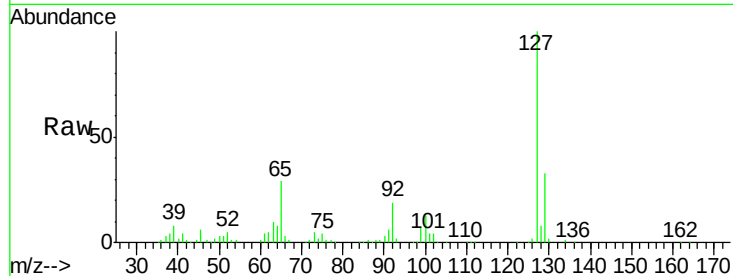
#33
4-Chloroaniline
Concen: 12.64 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	224006		
129	33.1	26.5	39.7	
65	28.6	27.2	40.8	
92	19.0	17.7	26.5	

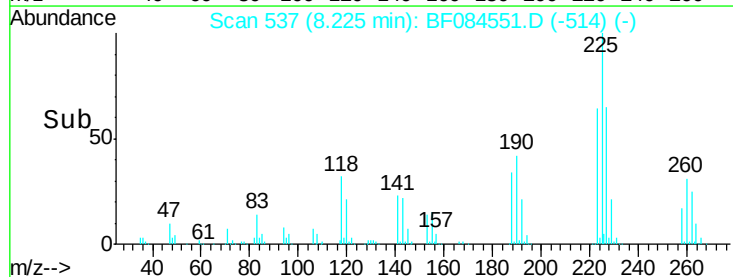
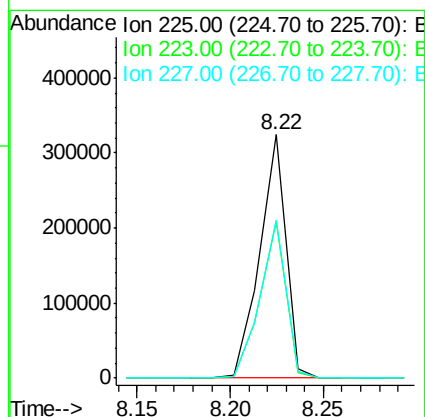
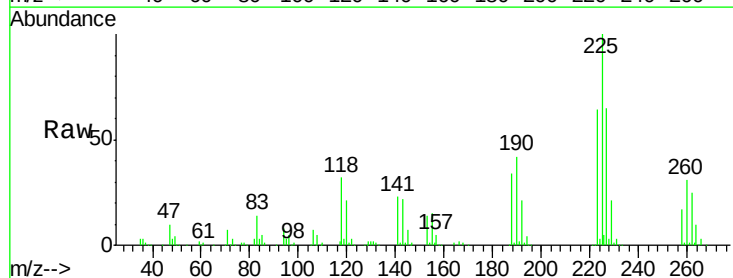
Manual Integrations
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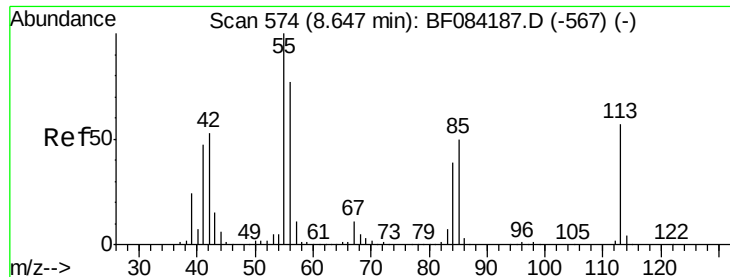
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#34
Hexachlorobutadiene
Concen: 44.40 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	313894		
223	64.2	49.4	74.0	
227	64.6	50.8	76.2	





#35

Caprolactam

Concen: 43.49 ng/ml

RT: 8.52 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleID :

PB87864BS

Tot Ion:113 Resp: 174690

Ion Ratio Lower Upper

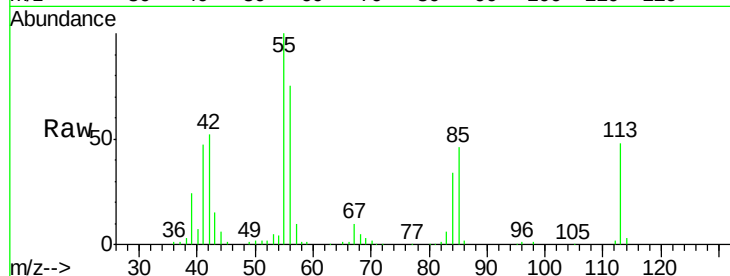
113 100

55 209.3 116.9 156.9#

56 156.0 93.8 133.8#

Manual Integrations
APPROVED

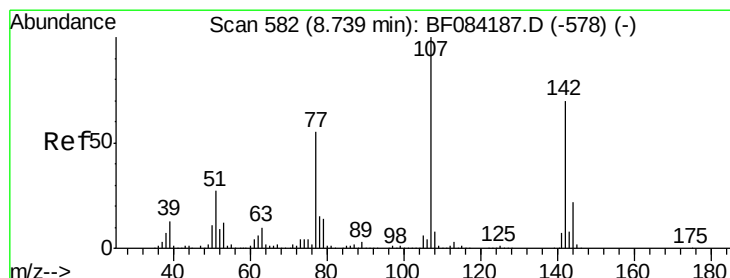
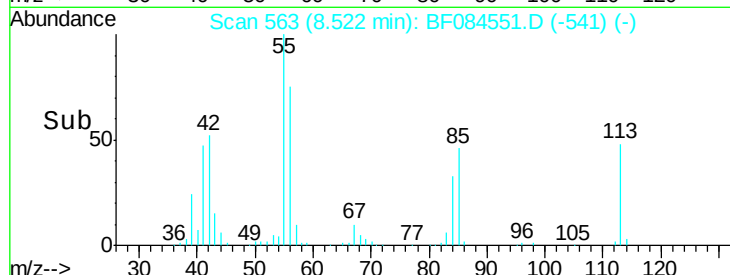
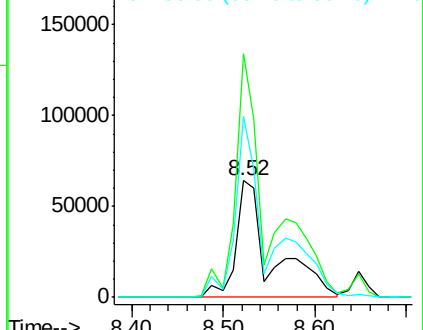
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 41.70 ng/ml

RT: 8.65 min Scan# 574

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

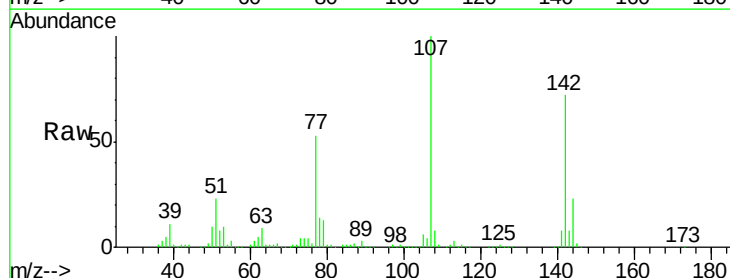
Tgt Ion:107 Resp: 556511

Ion Ratio Lower Upper

107 100

144 23.4 19.7 29.5

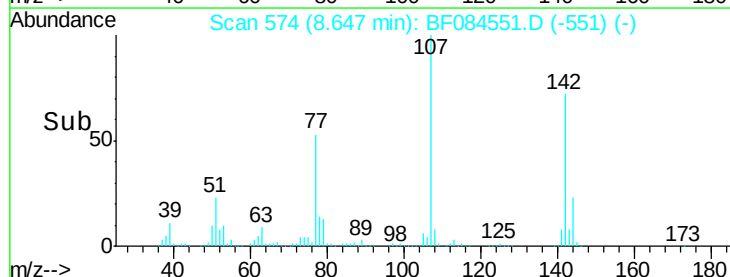
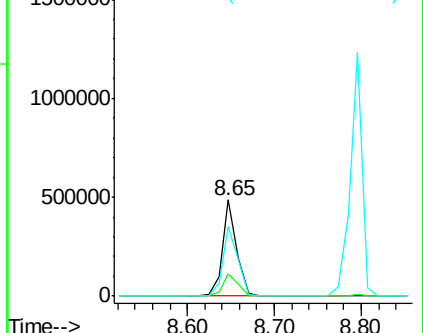
142 72.1 61.8 92.6

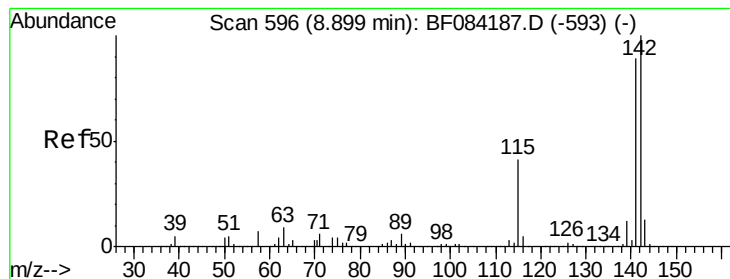


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





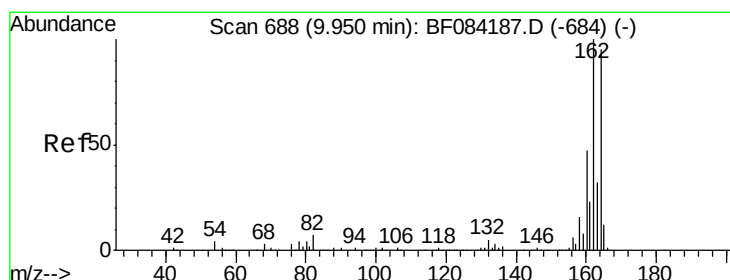
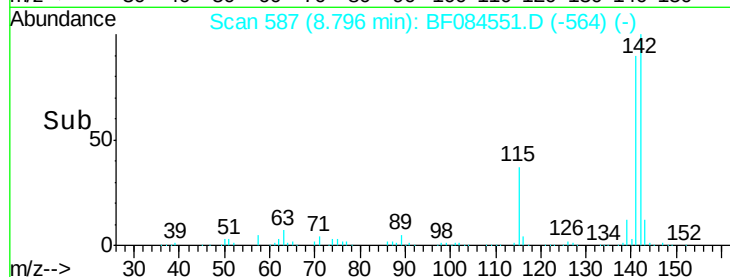
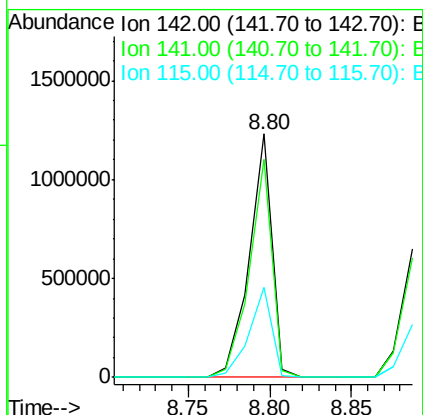
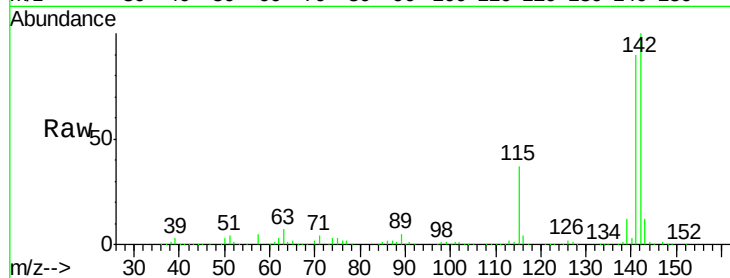
#37
2-Methylnaphthalene
Concen: 42.91 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion:142 Resp: 1190574
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6
115 36.9 27.9 41.9

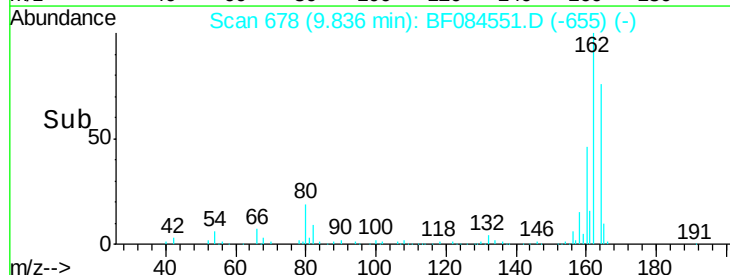
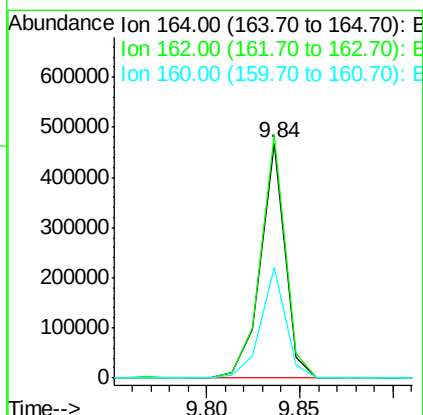
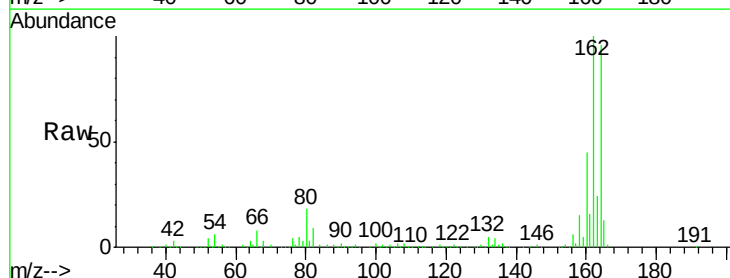
Manual Integrations
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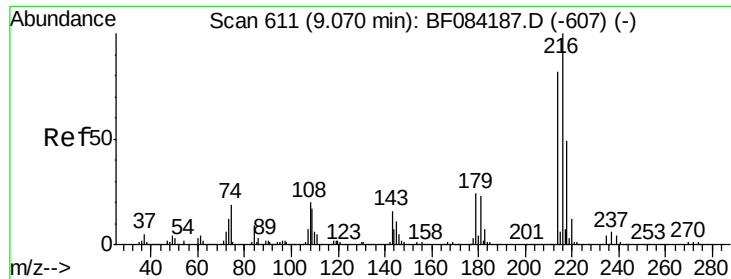
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion:164 Resp: 424941
Ion Ratio Lower Upper
164 100
162 103.7 85.1 127.7
160 46.9 37.5 56.3





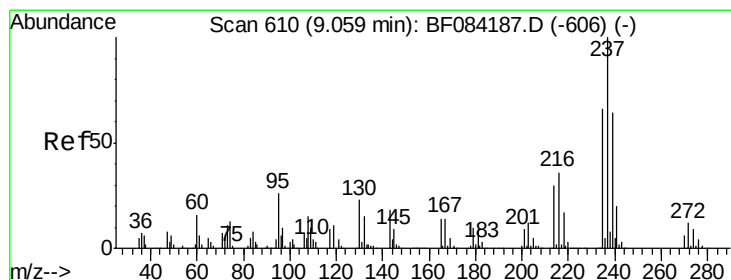
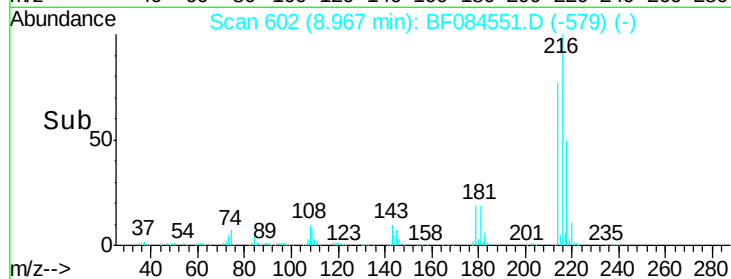
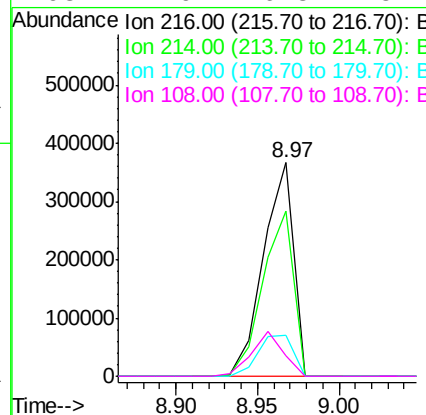
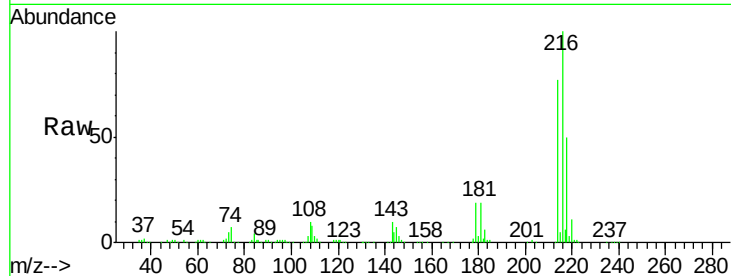
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.49 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		470193		
214	79.0		64.2	96.2	
179	22.7		18.7	28.1	
108	21.9		16.8	25.2	

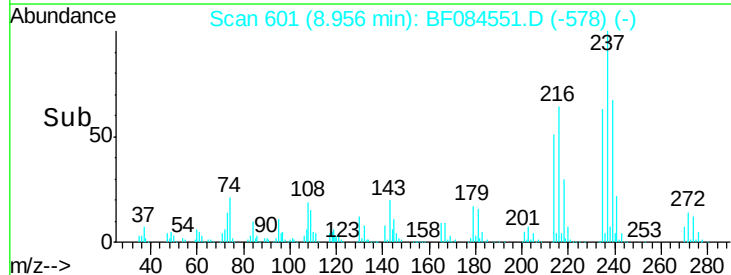
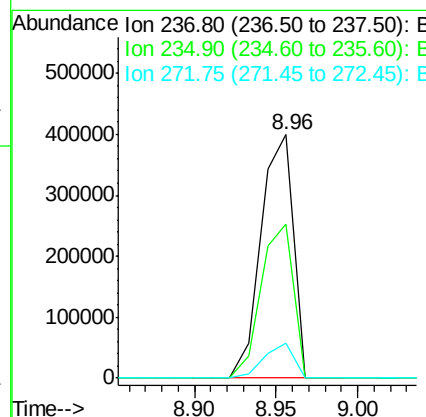
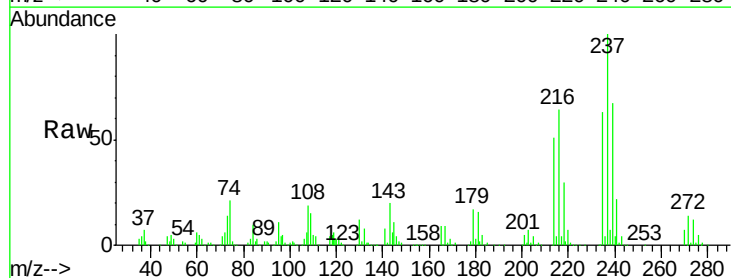
Manual Integrations
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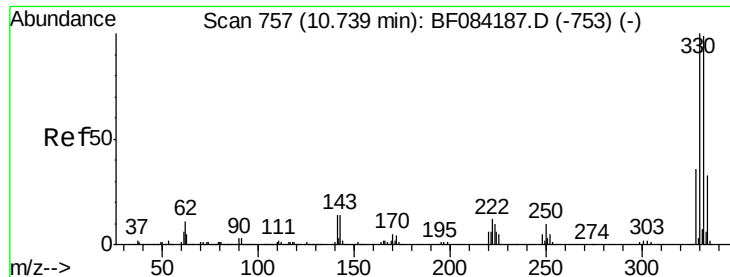
mohammad
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#40
 Hexachlorocyclopentadiene
 Concen: 74.56 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		549889		
235	63.1		43.1	83.1	
272	14.4		0.0	35.1	





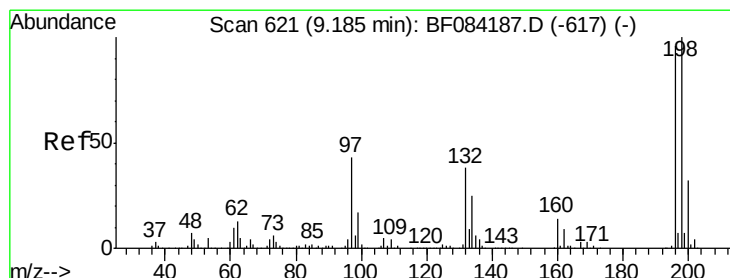
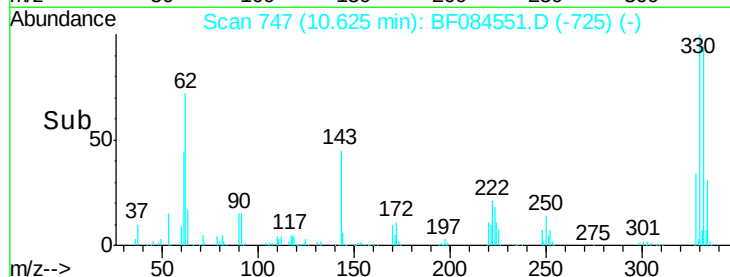
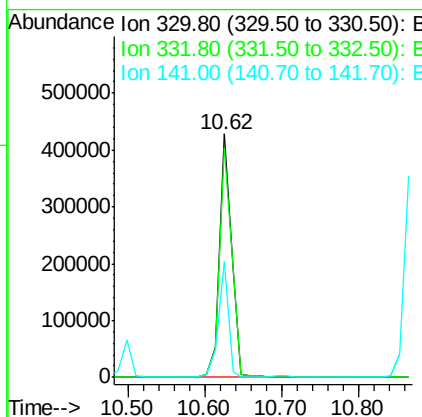
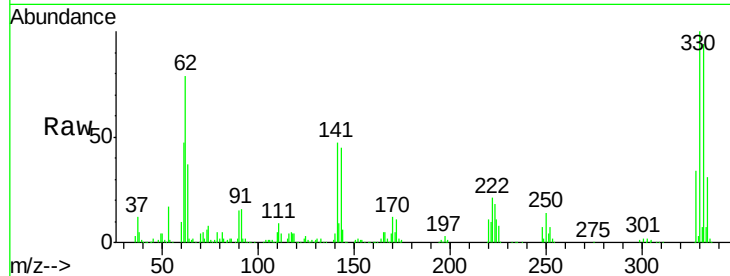
#41
 2,4,6-Tribromophenol
 Concen: 110.92 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	475842		
332	96.6		76.6	114.8
141	38.9		27.8	41.6

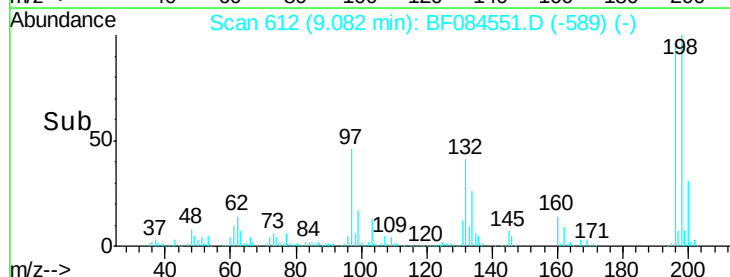
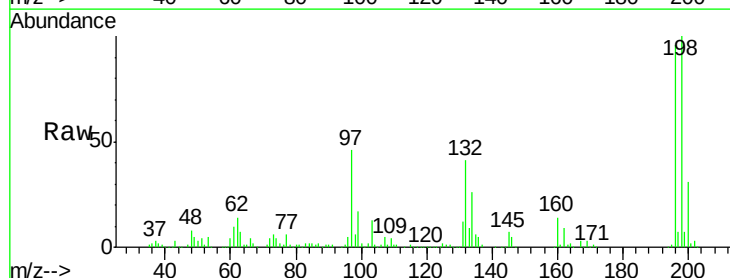
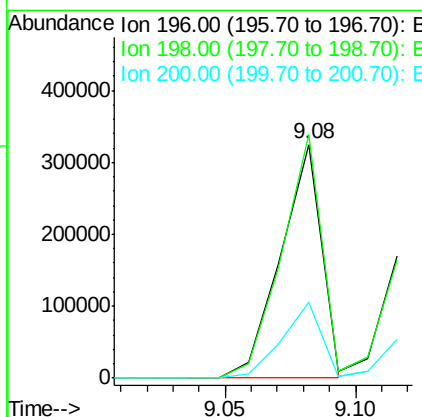
Manual Integrations
 APPROVED

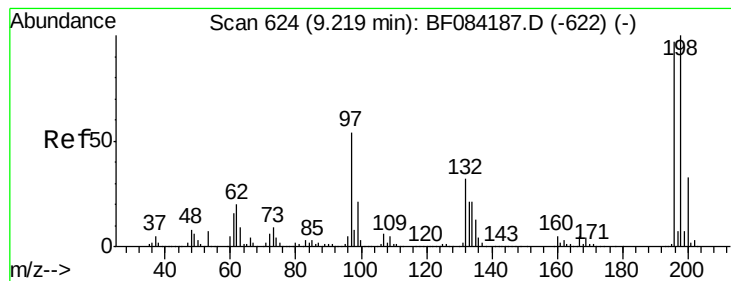
mohammad
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#42
 2,4,6-Trichlorophenol
 Concen: 38.53 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

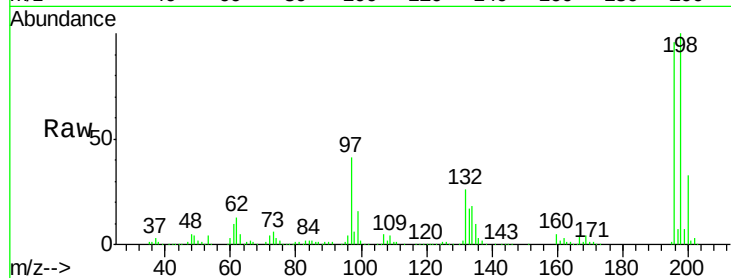
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	352153		
198	104.2		77.7	116.5
200	32.6		24.6	37.0





#43
 2,4,5-Trichlorophenol
 Concen: 42.76 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

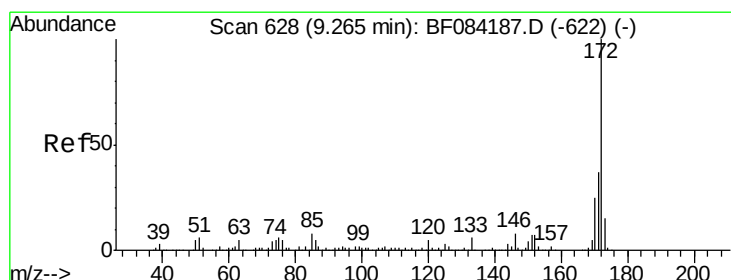
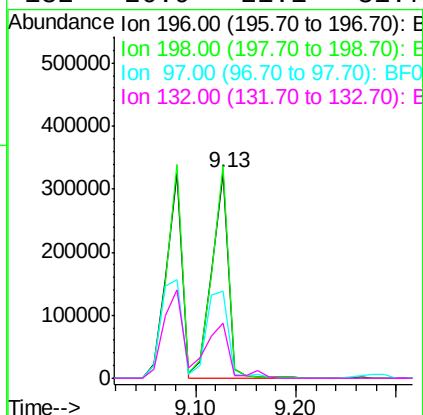
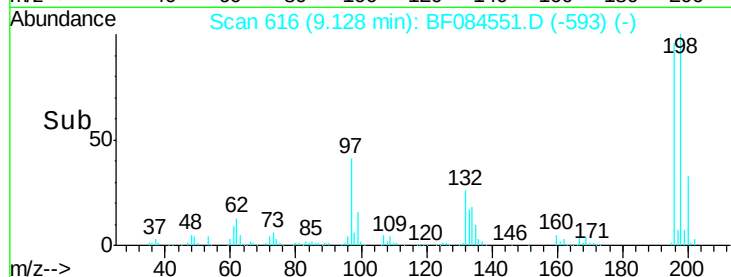
Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS



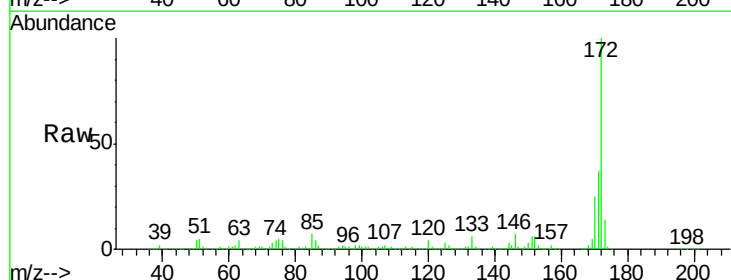
Tot Ion:	196	Resp:	374644
Ion Ratio	Lower	Upper	
196	100		
198	103.7	79.0	118.6
97	42.2	33.0	49.6
132	26.9	21.1	31.7

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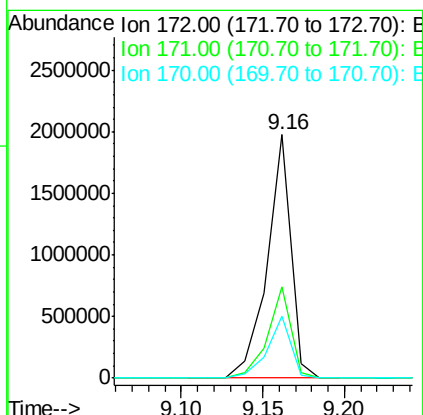
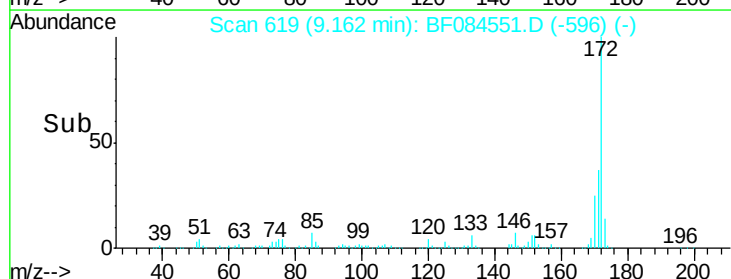
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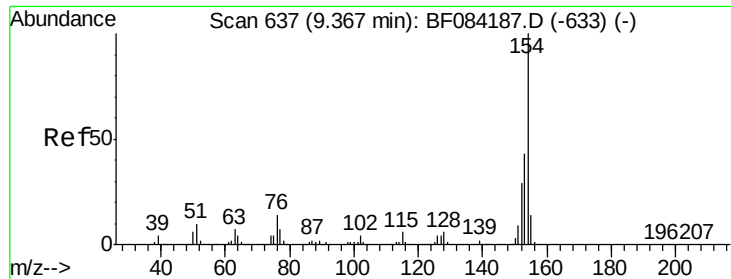


#44
 2-Fluorobiphenyl
 Concen: 82.94 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47



Tgt Ion:	172	Resp:	2007111
Ion Ratio	Lower	Upper	
172	100		
171	37.4	28.9	43.3
170	25.4	18.6	27.8





#45

1,1'-Biphenyl

Concen: 42.84 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:154 Resp: 1446700

Ion Ratio Lower Upper

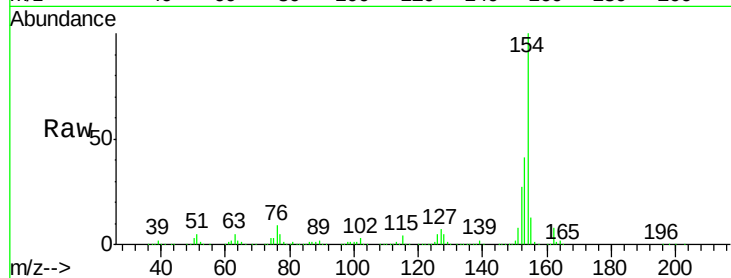
154 100

153 41.1 21.6 61.6

76 8.7 0.0 32.7

Manual Integrations
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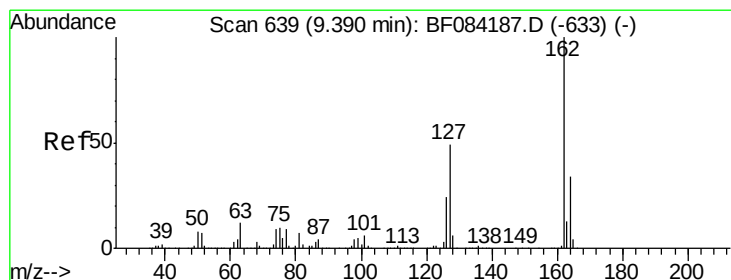
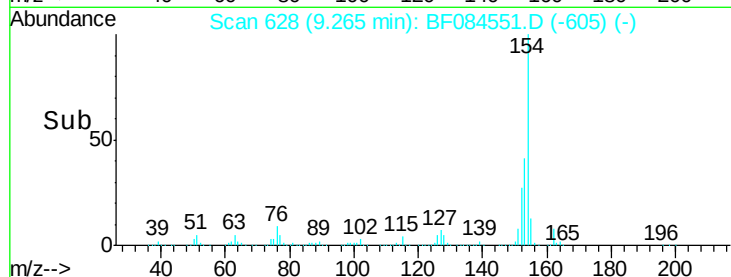
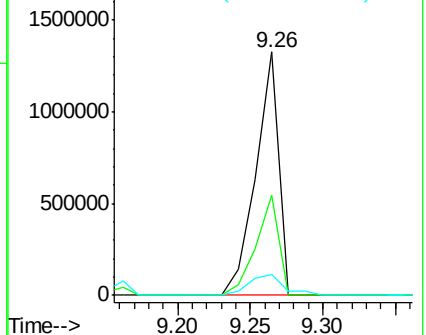
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 40.95 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

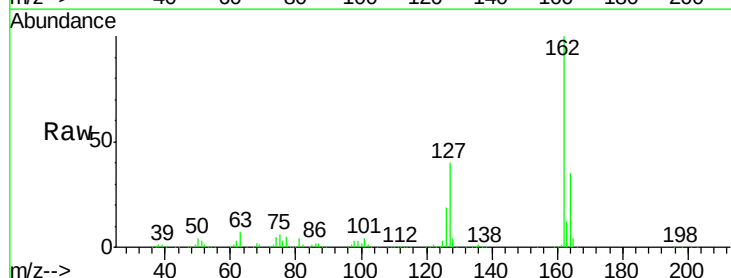
Tgt Ion:162 Resp: 1086336

Ion Ratio Lower Upper

162 100

127 40.1 40.2 60.4#

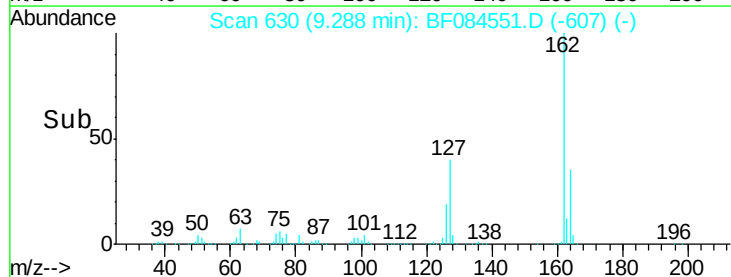
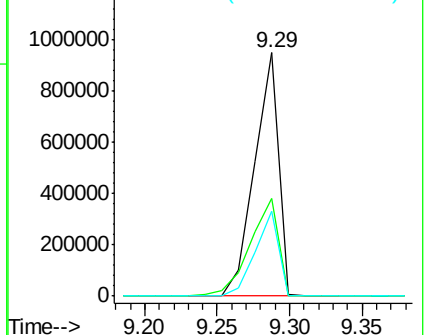
164 34.6 25.7 38.5

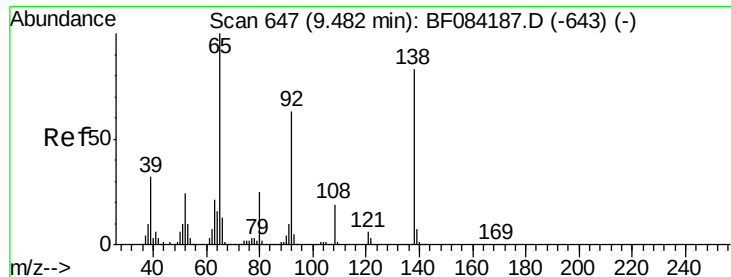


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





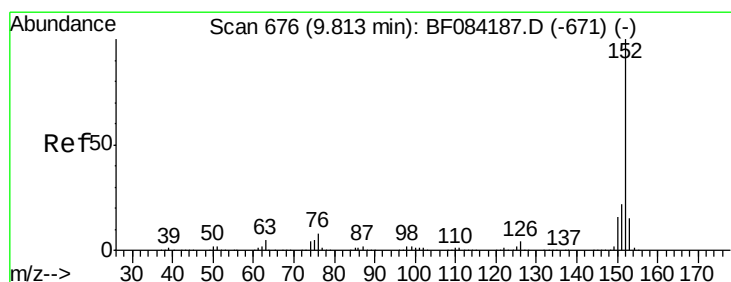
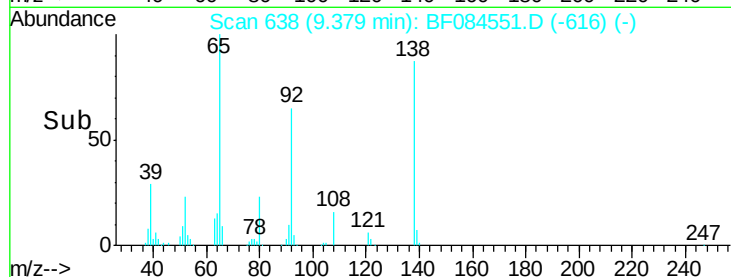
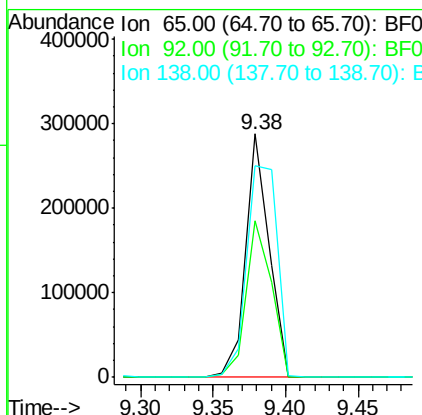
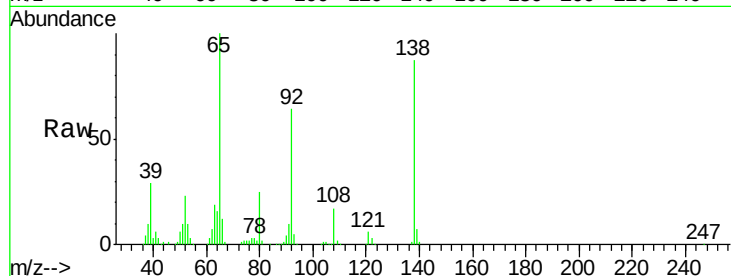
#47
2-Nitroaniline
Concen: 36.80 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322233		
92	64.4	53.4	80.2	
138	86.8	71.1	106.7	

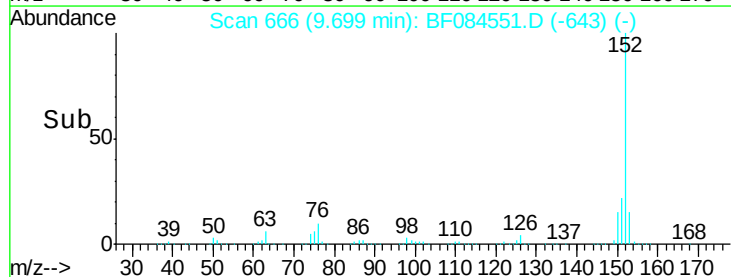
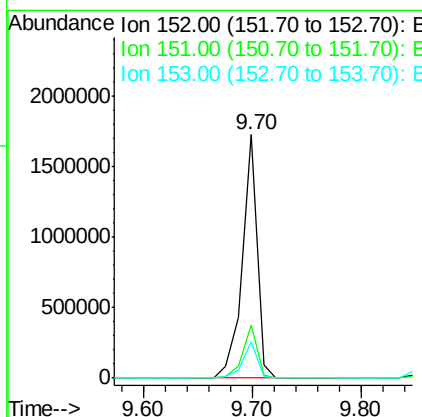
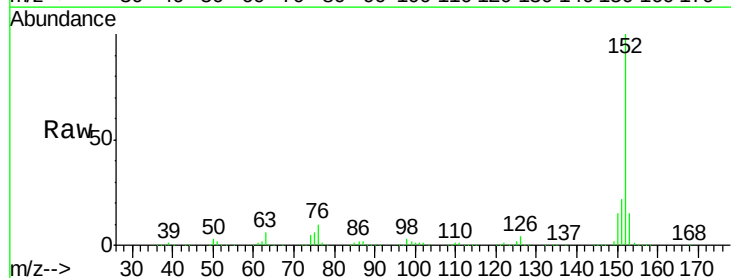
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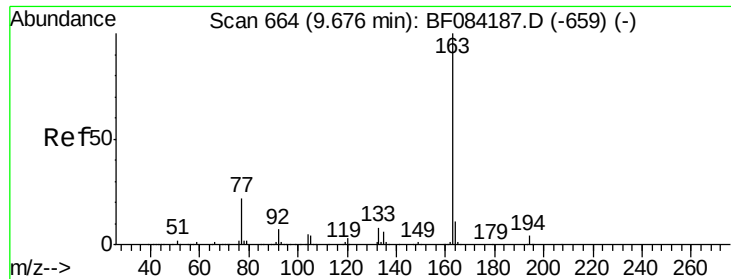
mohammad
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#48
Acenaphthylene
Concen: 41.07 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1609461		
151	21.5	16.3	24.5	
153	14.8	10.4	15.6	





#49

Dimethylphthalate

Concen: 42.74 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

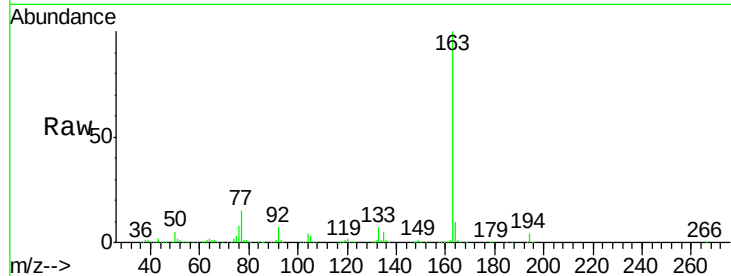
ClientSampled :

PB87864BS

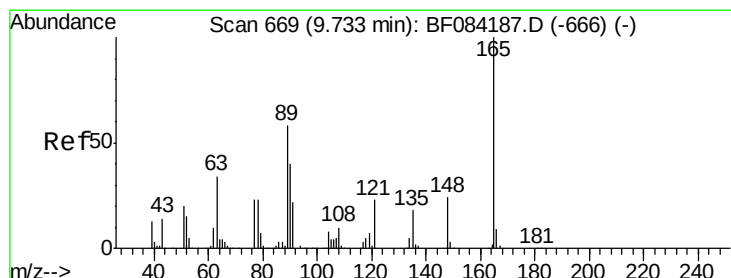
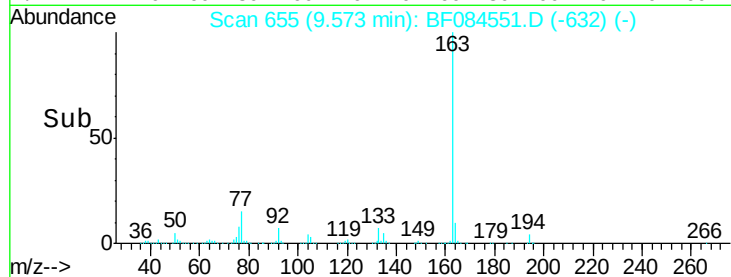
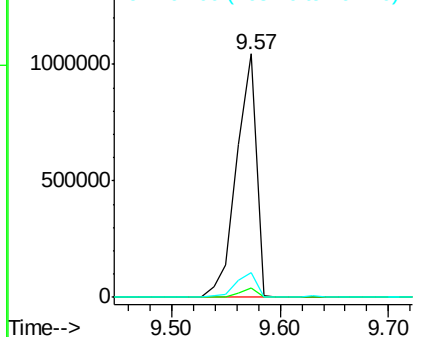
Tot Ion:	163	Resp:	1298363
Ion Ratio	Lower	Upper	
163	100		
194	3.7	8.0	12.0#
164	9.9	8.0	12.0

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 46.24 ng

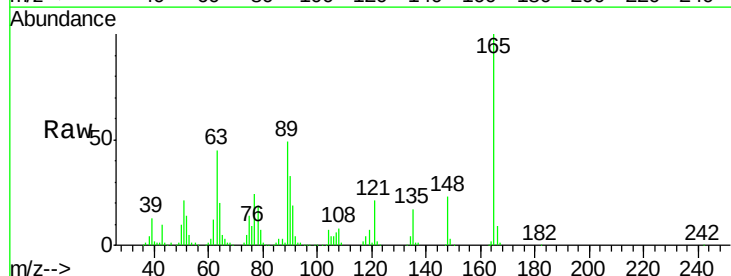
RT: 9.63 min Scan# 660

Delta R.T. -0.03 min

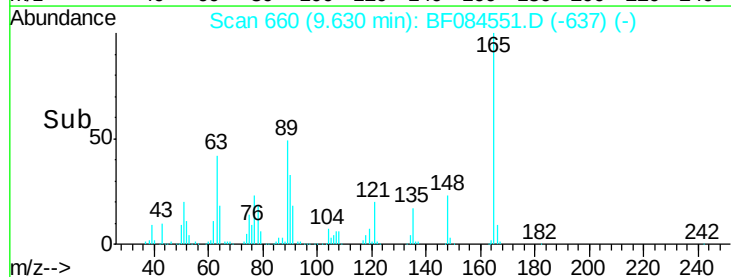
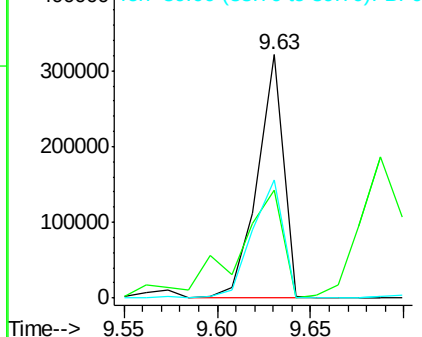
Lab File: BF084551.D

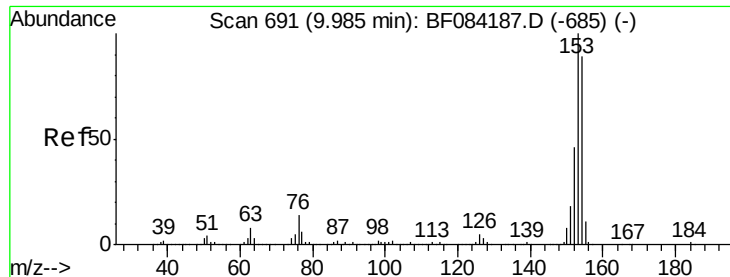
Acq: 19 Jan 2016 14:47

Tgt Ion:	165	Resp:	308074
Ion Ratio	Lower	Upper	
165	100		
63	44.5	28.8	43.2#
89	48.7	35.1	52.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 39.24 ng/mL

RT: 9.87 min Scan# 681

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleID :

PB87864BS

Tot Ion:154 Resp: 1031733

Ion Ratio Lower Upper

154 100

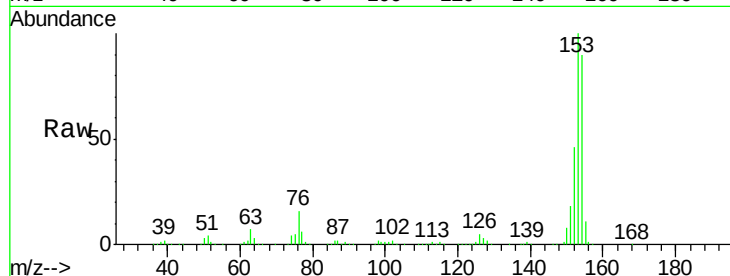
153 111.3 91.5 137.3

152 51.3 43.0 64.6

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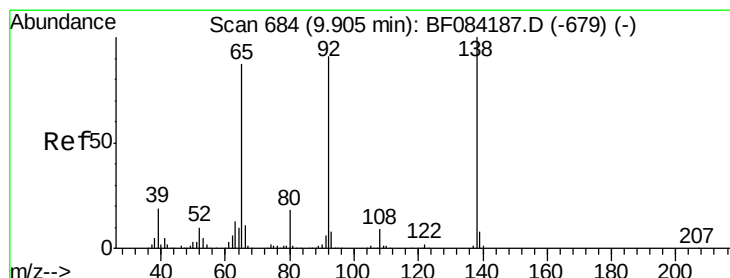
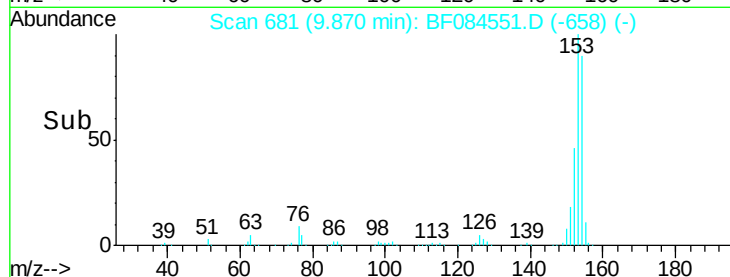
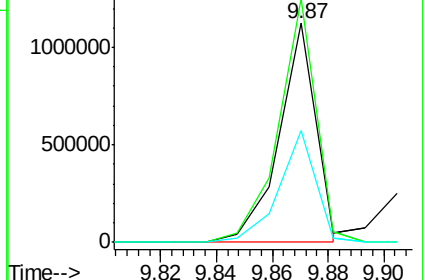
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 16.85 ng/mL

RT: 9.79 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

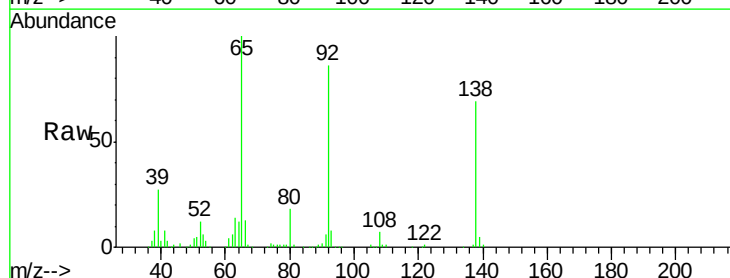
Tgt Ion:138 Resp: 139098

Ion Ratio Lower Upper

138 100

108 10.3 10.5 15.7#

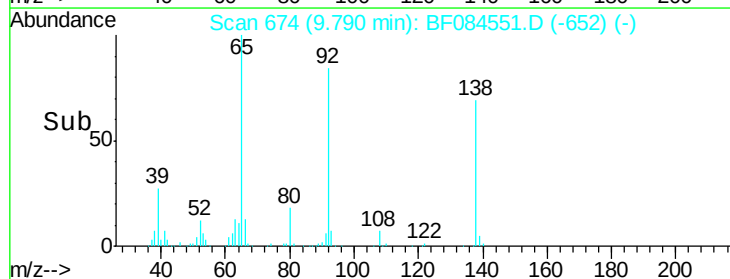
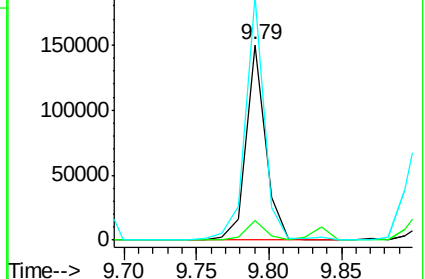
92 124.9 103.9 155.9

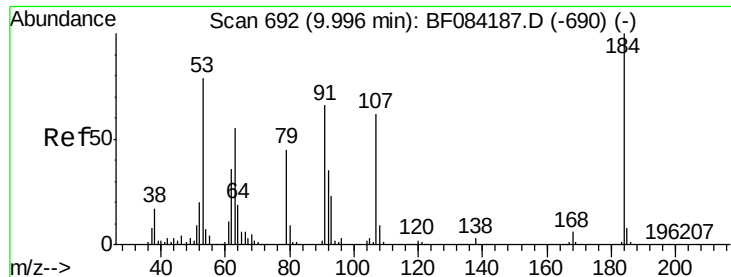


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 116.91 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

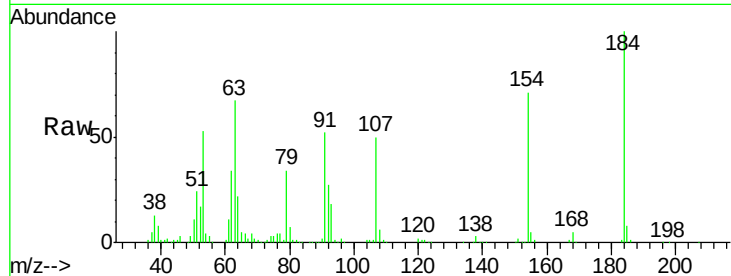
ClientSampleId :

PB87864BS

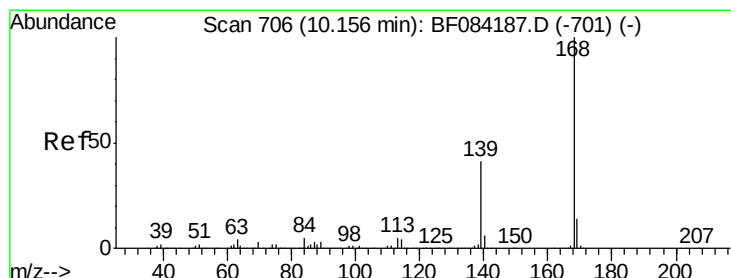
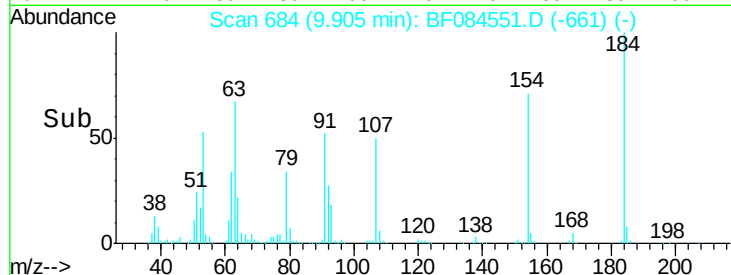
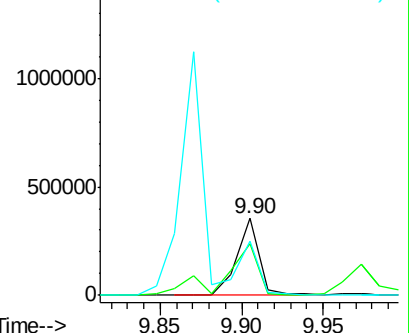
Tot Ion:	184	Resp:	336697
Ion Ratio	Lower	Upper	
184	100		
63	67.5	43.1	64.7#
154	70.8	60.5	90.7

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



#54

Dibenzofuran

Concen: 39.42 ng

RT: 10.04 min Scan# 696

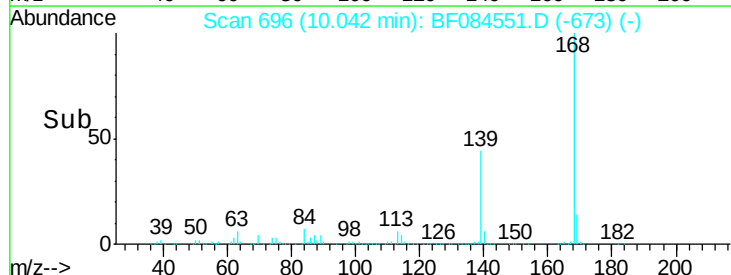
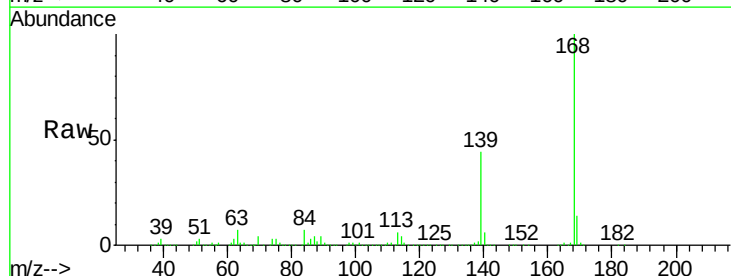
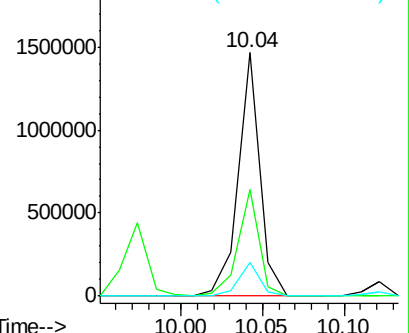
Delta R.T. -0.03 min

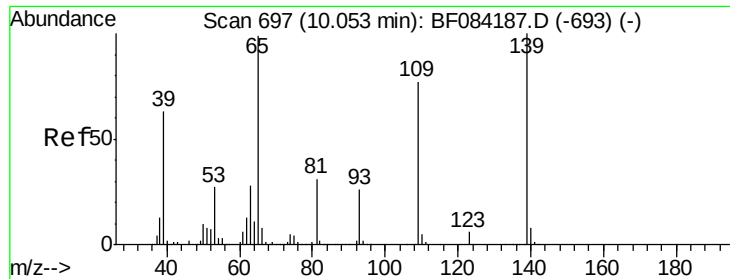
Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:	168	Resp:	1354622
Ion Ratio	Lower	Upper	
168	100		
139	43.9	30.5	45.7
169	13.9	10.4	15.6

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





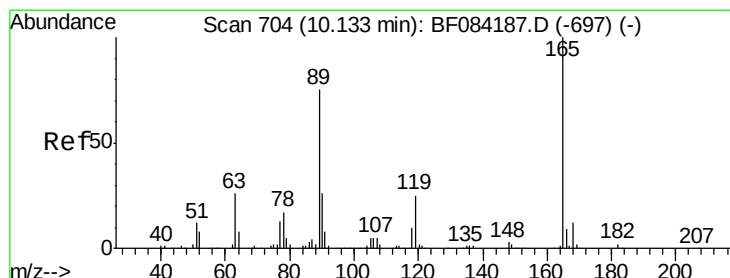
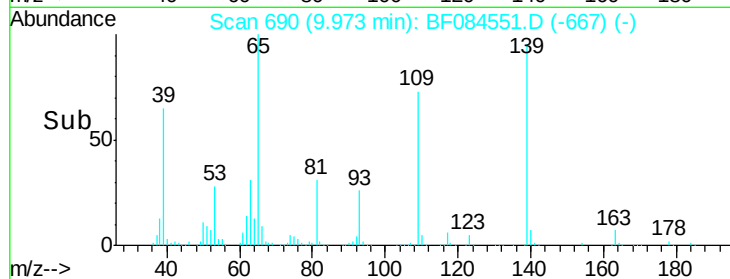
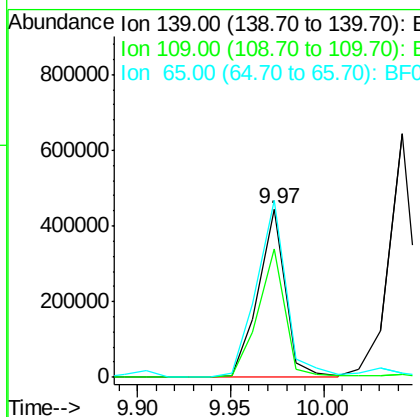
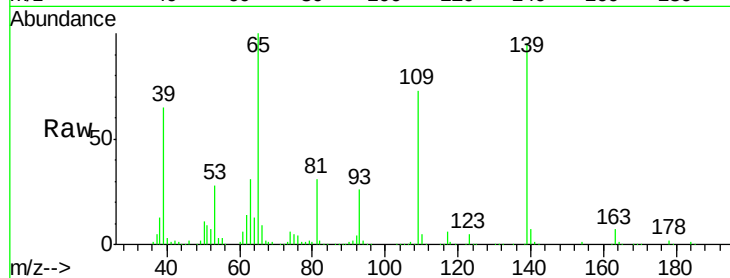
#55
4-Nitrophenol
Concen: 75.31 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	451352		
109	76.3	58.5	98.5	
65	105.1	57.6	97.6	

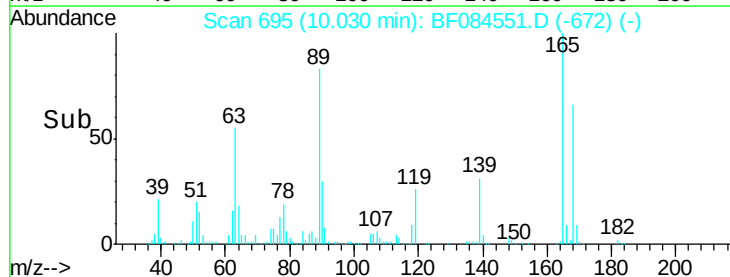
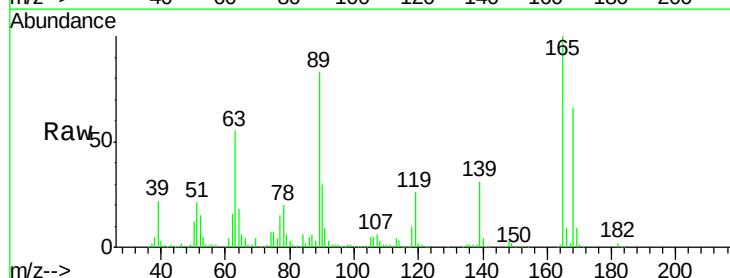
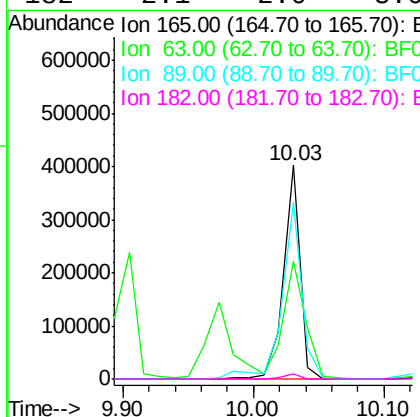
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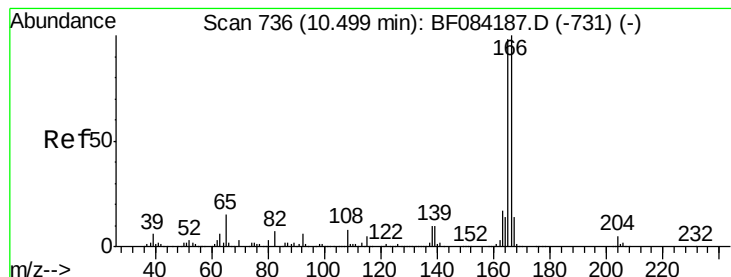
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#56
2,4-Dinitrotoluene
Concen: 42.67 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	359793		
63	55.1	36.7	55.1	
89	82.7	61.9	92.9	
182	2.1	2.0	3.0	





#57

Fluorene

Concen: 41.96 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:166 Resp: 1108981

Ion Ratio Lower Upper

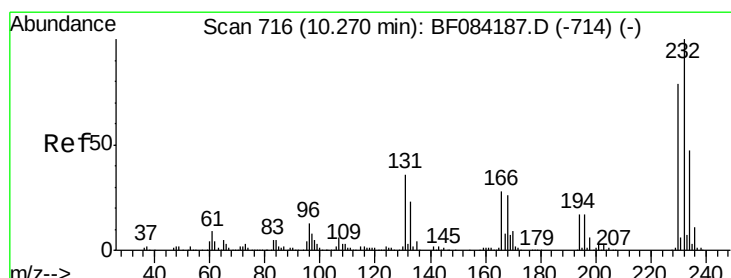
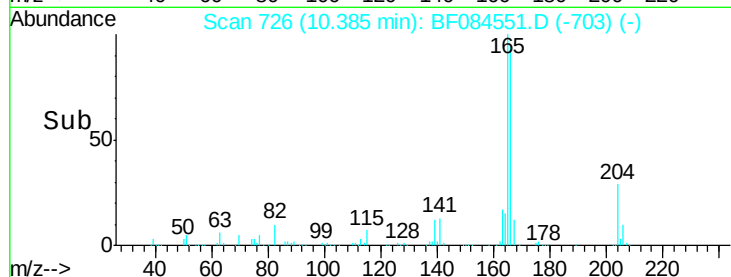
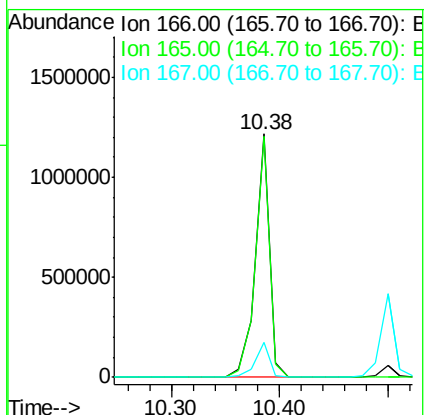
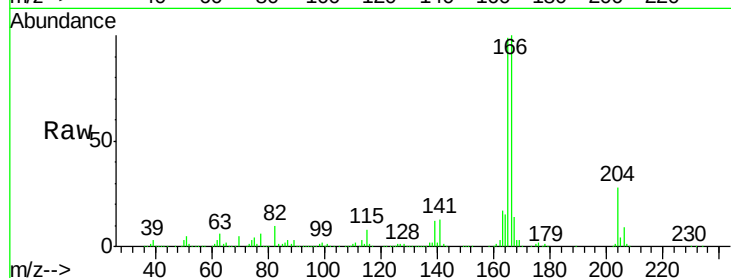
166 100

165 98.9 79.1 118.7

167 14.2 10.4 15.6

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 41.11 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:232 Resp: 307531

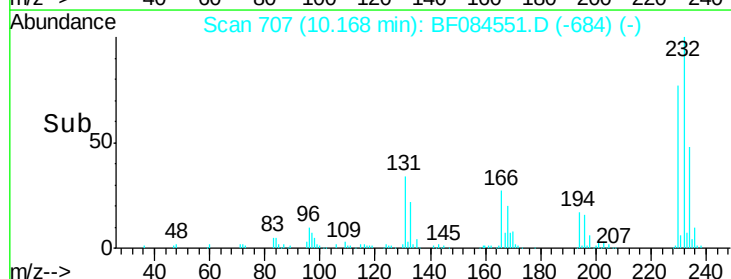
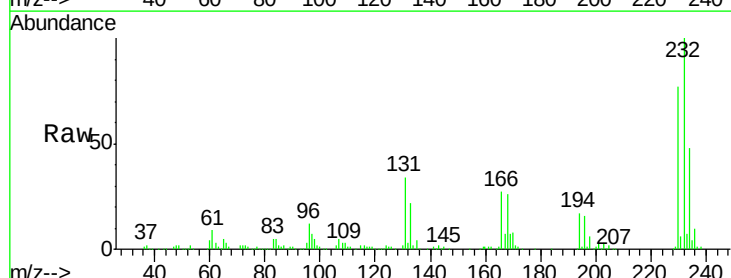
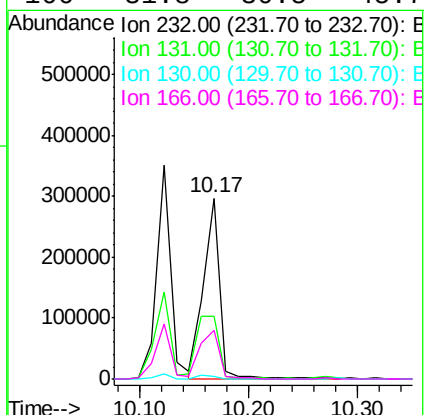
Ion Ratio Lower Upper

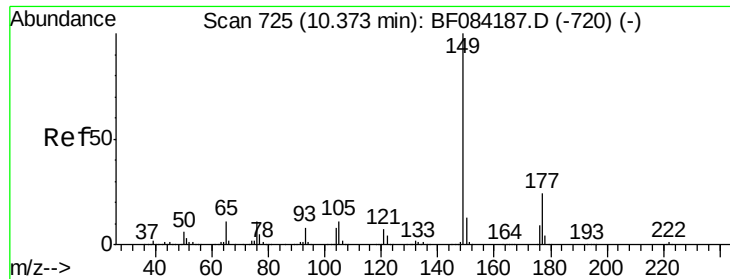
232 100

131 48.3 47.0 70.6

130 2.3 2.0 3.0

166 31.8 30.5 45.7





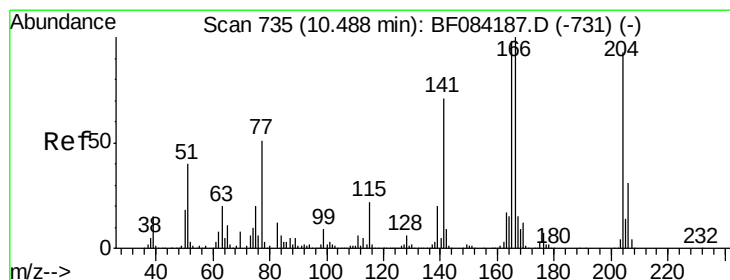
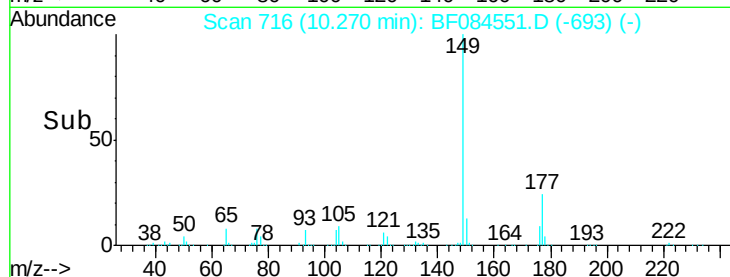
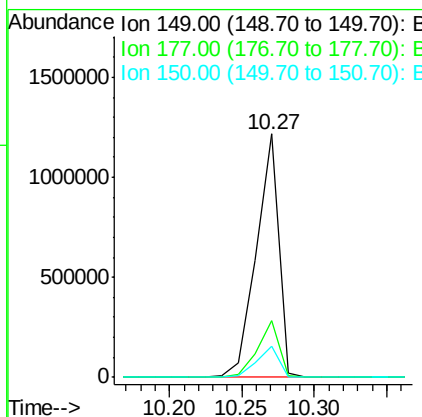
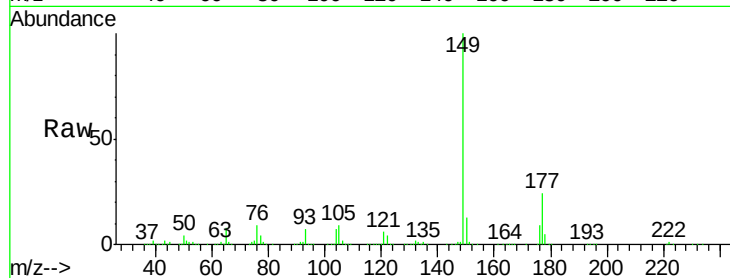
#59
Diethylphthalate
Concen: 43.54 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion:149 Resp: 1304221
Ion Ratio Lower Upper
149 100
177 23.5 17.3 25.9
150 12.7 9.8 14.8

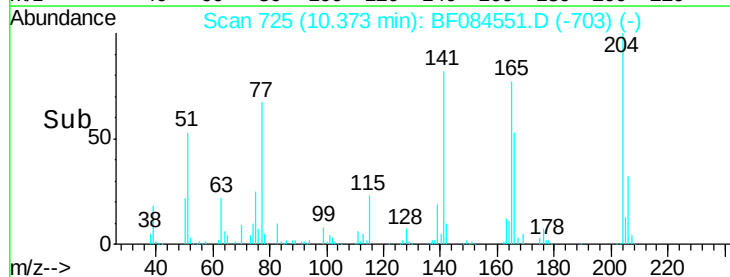
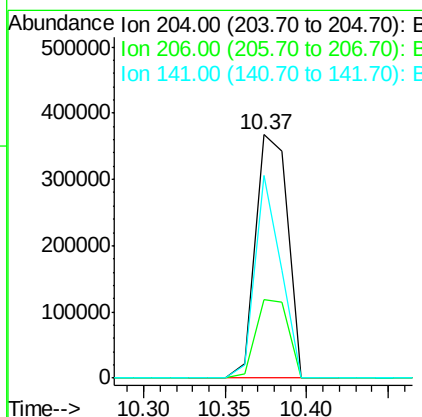
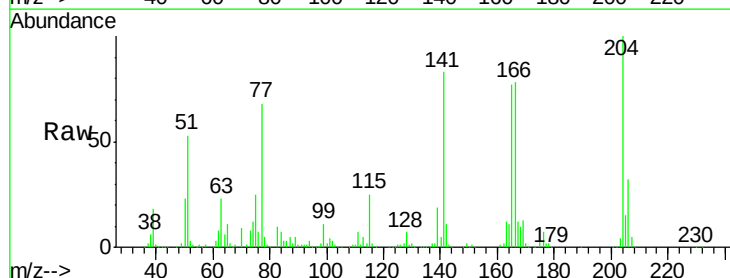
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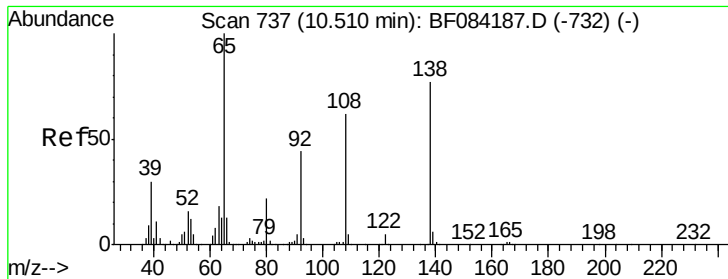
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 45.39 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion:204 Resp: 503515
Ion Ratio Lower Upper
204 100
206 32.3 25.7 38.5
141 83.4 55.1 82.7#





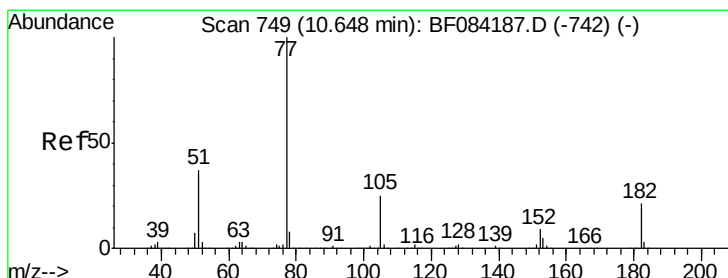
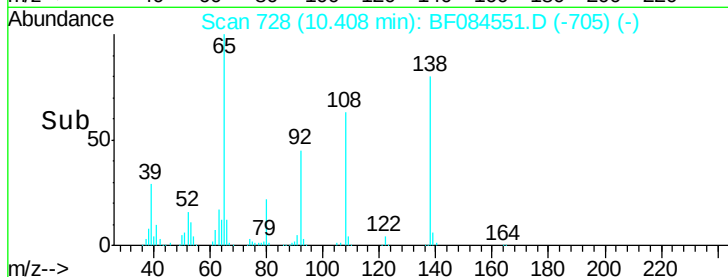
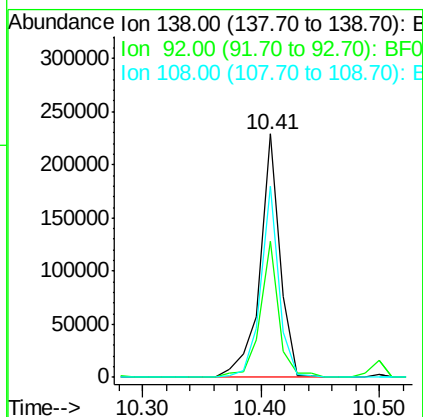
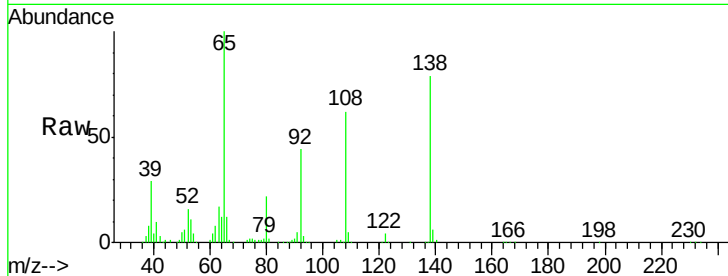
#61
4-Nitroaniline
Concen: 36.93 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	55.8	32.6	72.6
108	78.6	68.6	108.6

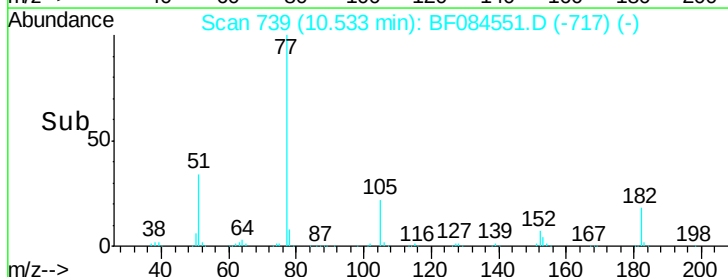
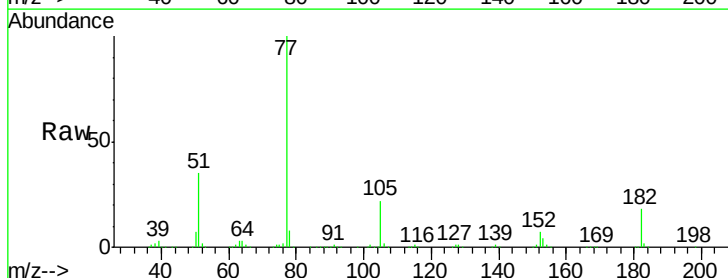
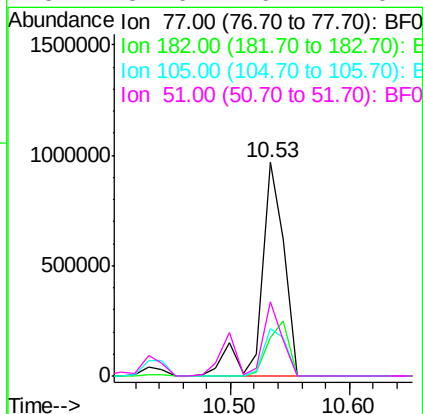
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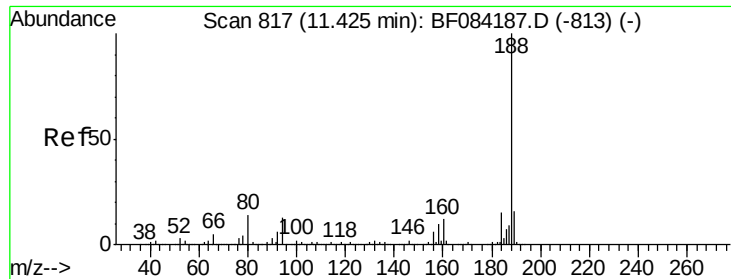
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#62
Azobenzene
Concen: 39.55 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.0	8.3	48.3
105	22.3	4.6	44.6
51	34.6	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

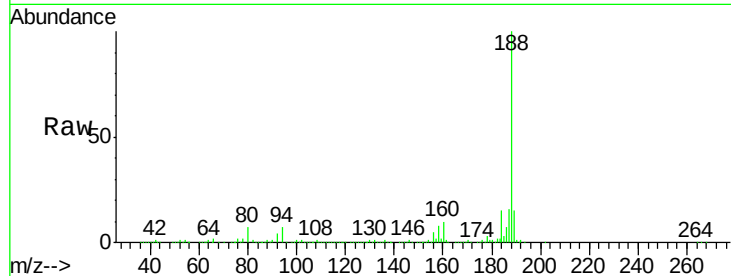
ClientSampleId :

PB87864BS

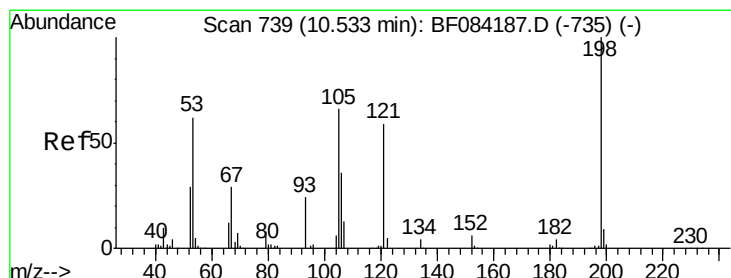
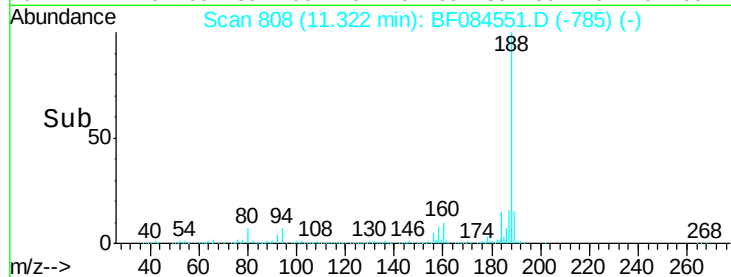
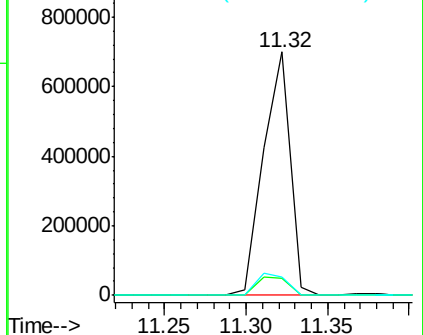
Tot Ion	Ratio	Resp	Lower	Upper
188	100	798959		
94	7.2	9.0	13.4#	
80	7.3	9.6	14.4#	

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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 48.60 ng

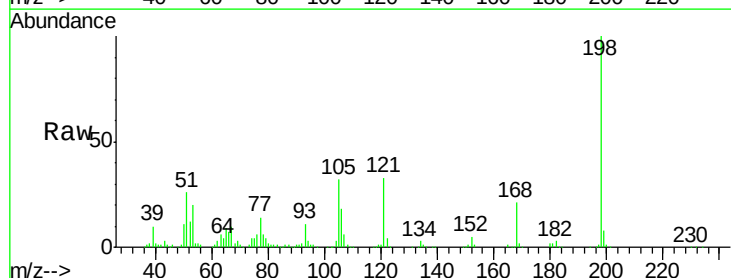
RT: 10.44 min Scan# 731

Delta R.T. -0.03 min

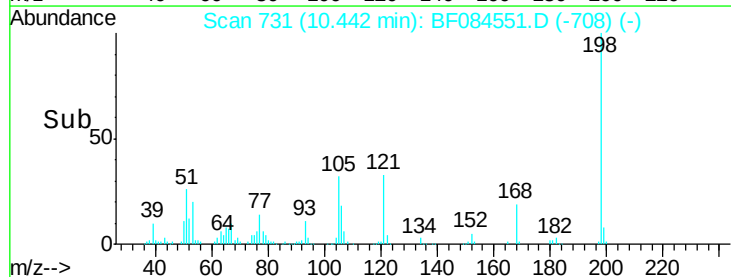
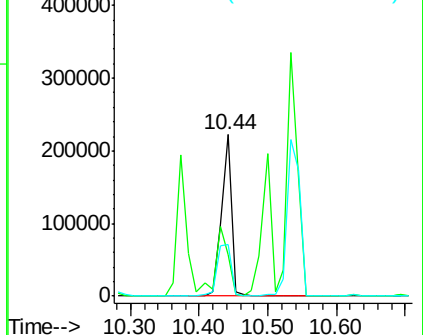
Lab File: BF084551.D

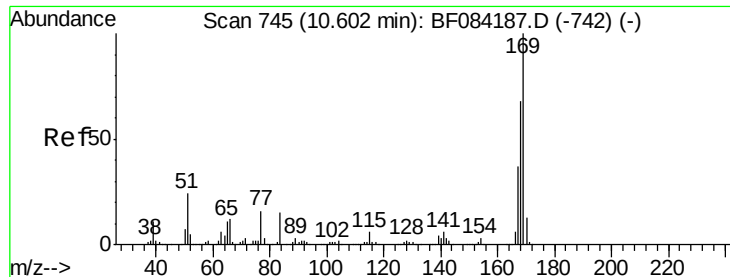
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	234908		
51	25.7	18.9	58.9	
105	32.3	26.4	66.4	



Abundance Ion 198.00 (197.70 to 198.70): E





#65

n-Nitrosodiphenylamine

Concen: 38.21 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

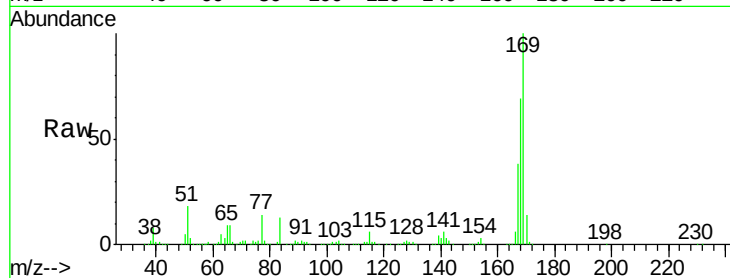
ClientSampleId :

PB87864BS

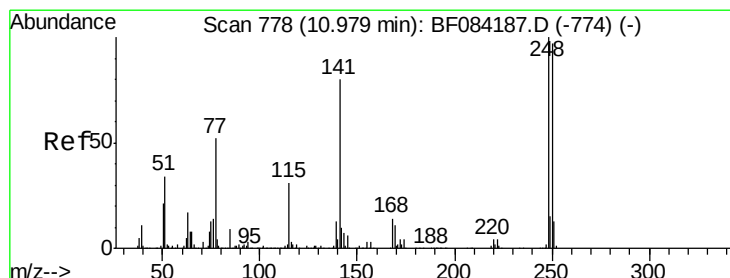
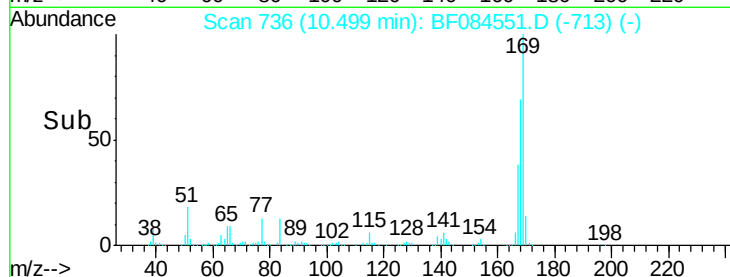
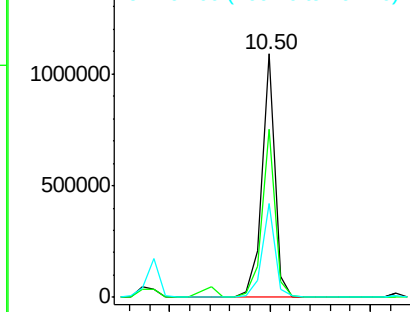
Tot Ion:	169	Resp:	976124
Ion Ratio	Lower	Upper	
169	100		
168	69.3	55.1	82.7
167	38.4	30.0	45.0

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.38 ng

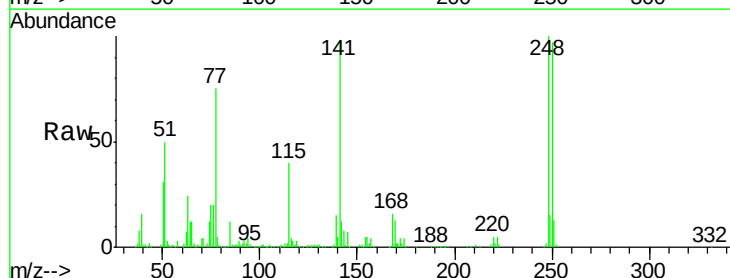
RT: 10.86 min Scan# 768

Delta R.T. -0.05 min

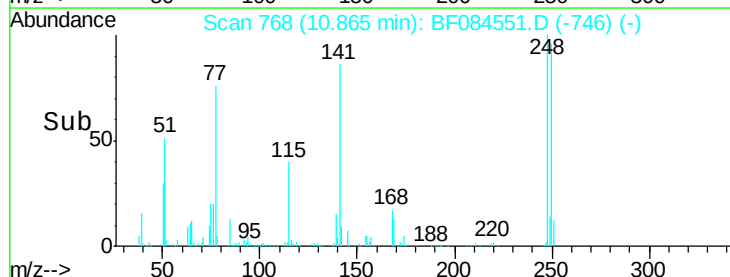
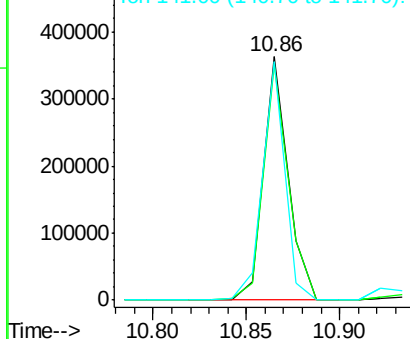
Lab File: BF084551.D

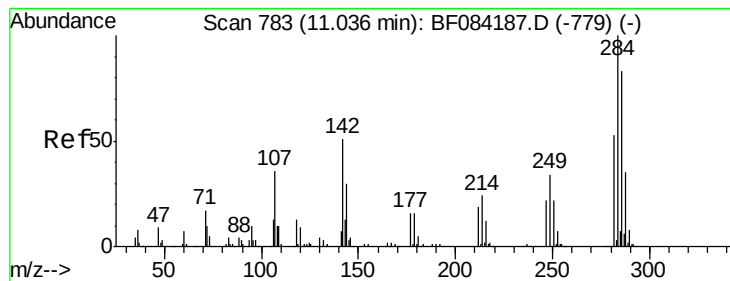
Acq: 19 Jan 2016 14:47

Tgt Ion:	248	Resp:	330037
Ion Ratio	Lower	Upper	
248	100		
250	96.9	78.4	117.6
141	97.8	44.0	66.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 40.57 ng

RT: 10.93 min Scan# 774

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

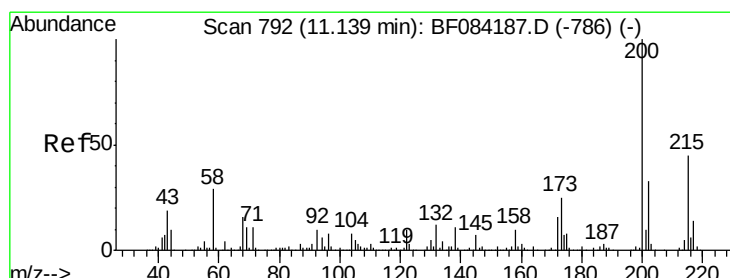
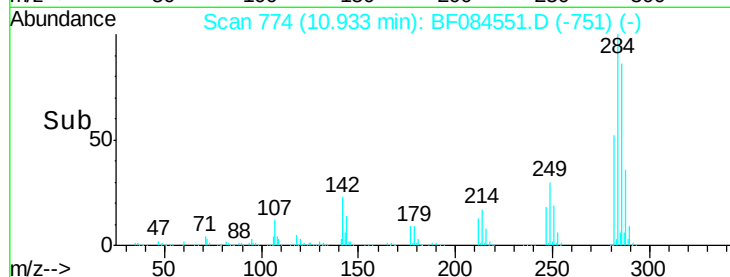
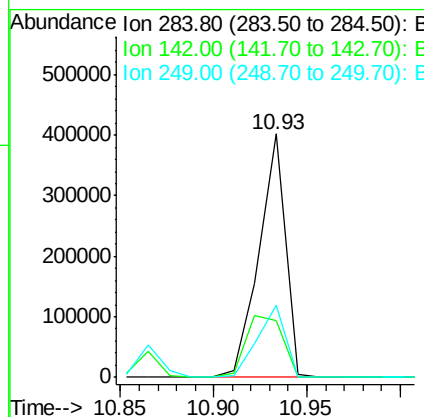
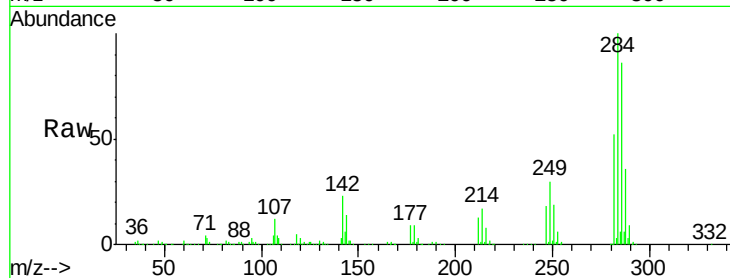
ClientSampleID :

PB87864BS

Tot Ion:	284	Resp:	392718
Ion Ratio	Lower	Upper	
284	100		
142	23.2	22.2	33.4
249	29.7	24.6	37.0

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#68

Atrazine

Concen: 39.89 ng

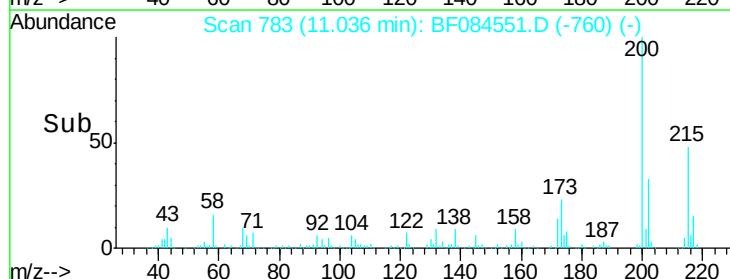
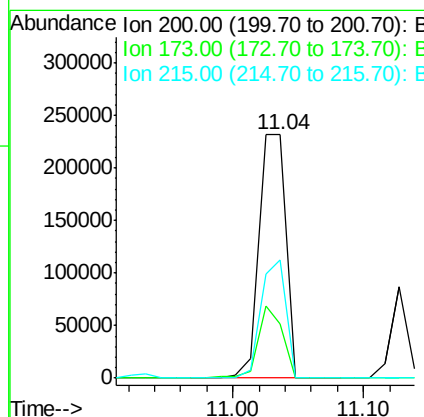
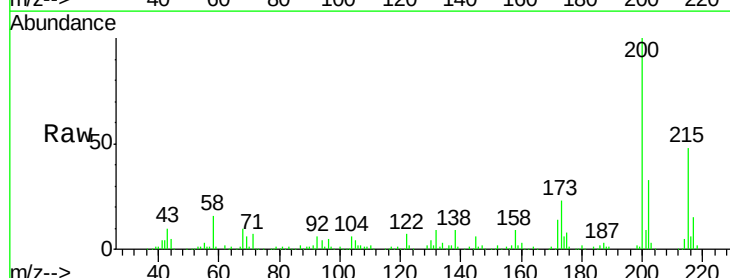
RT: 11.04 min Scan# 783

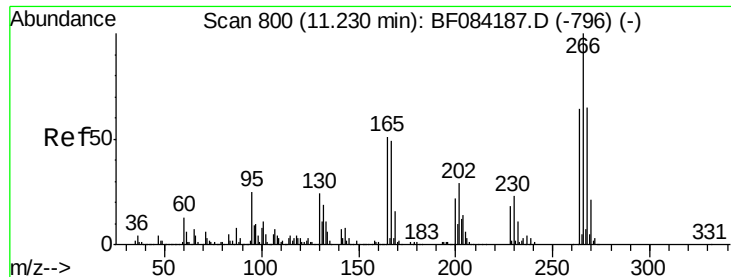
Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:	200	Resp:	333435
Ion Ratio	Lower	Upper	
200	100		
173	22.5	9.5	49.5
215	48.4	23.8	63.8





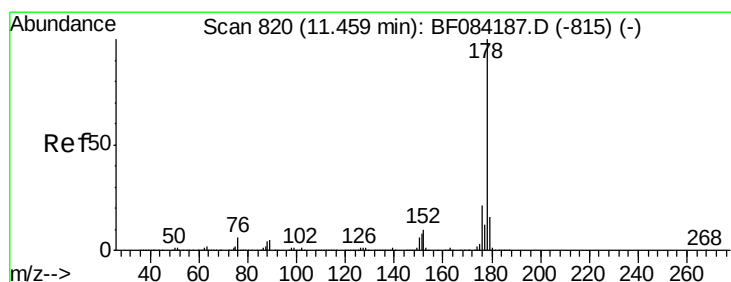
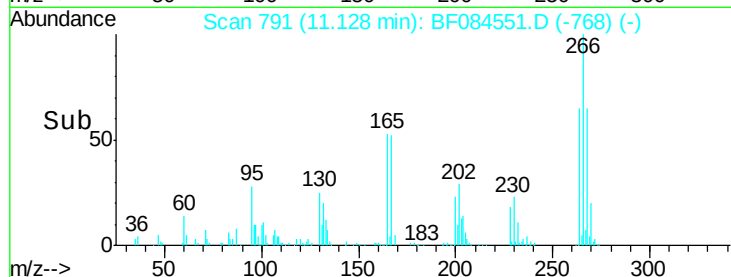
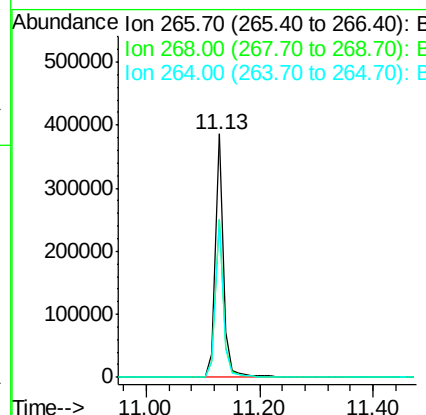
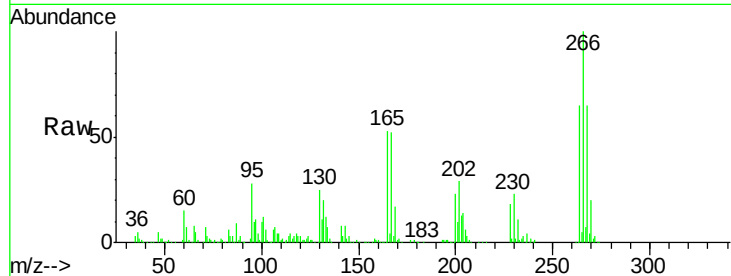
#69
 Pentachlorophenol
 Concen: 73.50 ng
 RT: 11.13 min Scan# 791
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	368892		
268	64.9	52.4	78.6	
264	65.0	50.2	75.2	

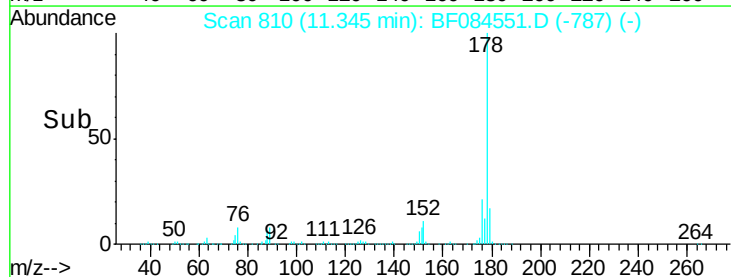
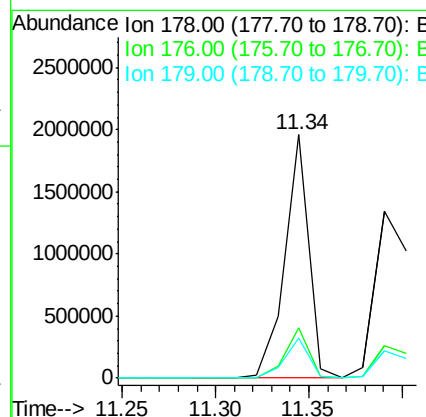
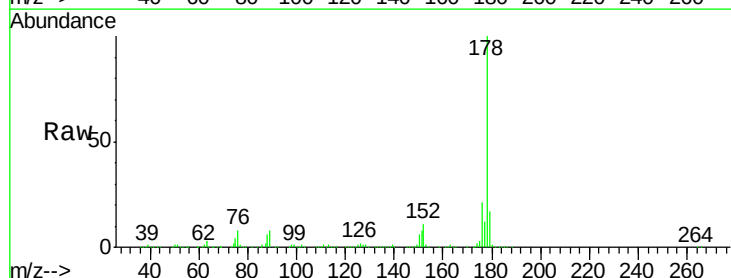
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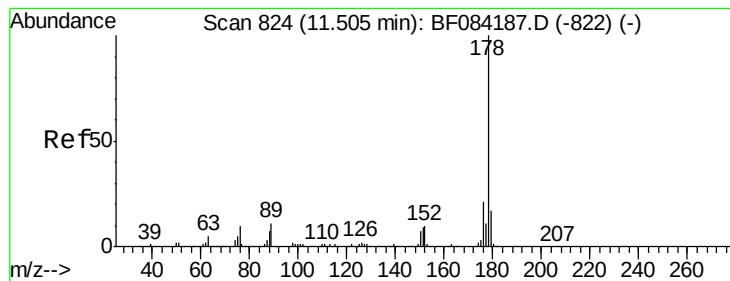
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#70
 Phenanthrene
 Concen: 42.05 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1757545		
176	20.9	15.3	22.9	
179	16.6	12.0	18.0	





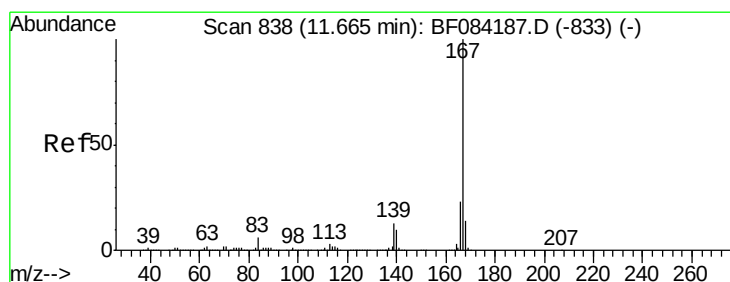
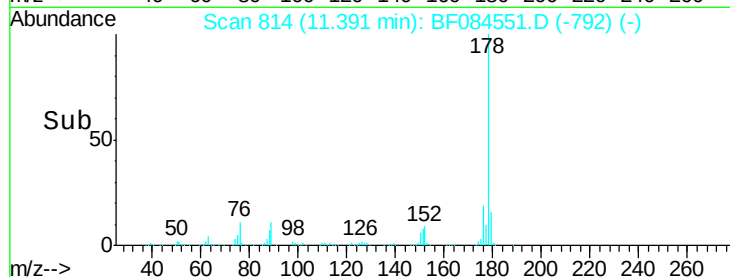
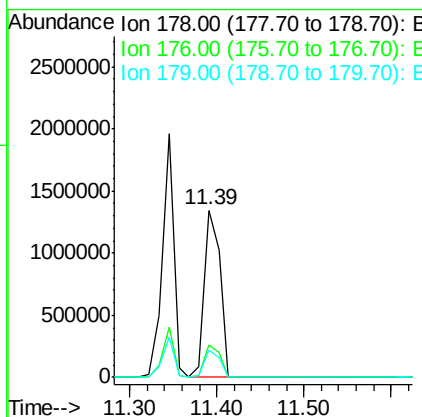
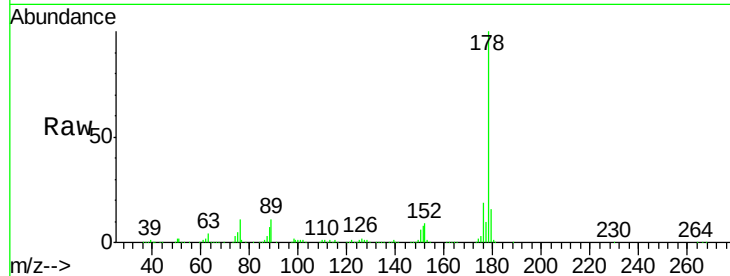
#71
 Anthracene
 Concen: 41.20 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

Tot Ion:178 Resp: 1687986
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 16.4 12.5 18.7

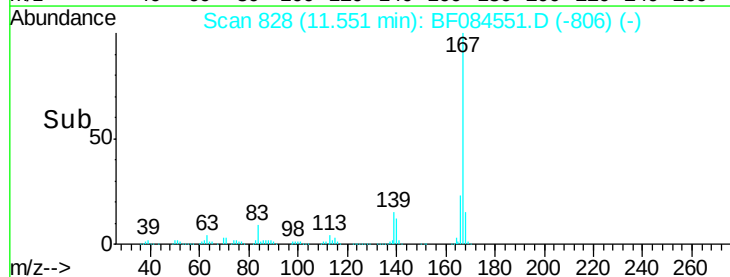
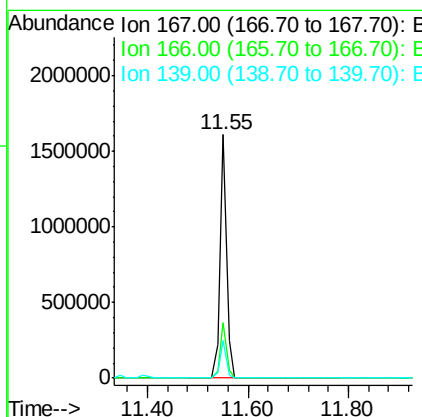
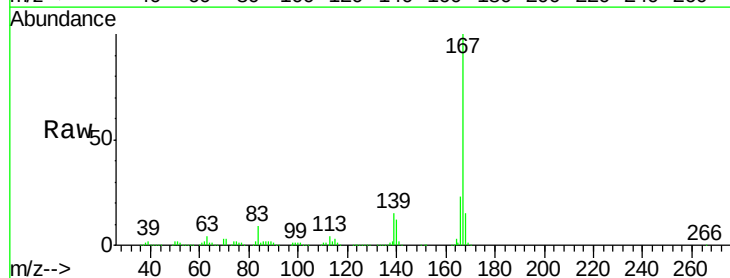
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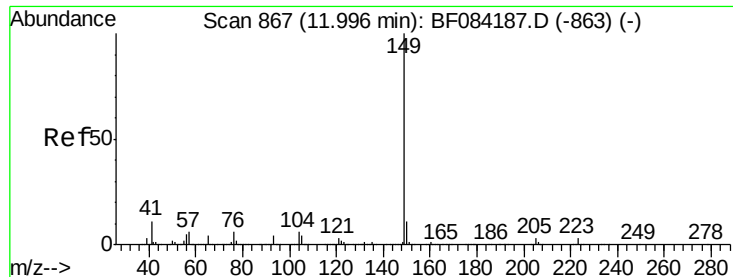
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#72
 Carbazole
 Concen: 35.98 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion:167 Resp: 1441058
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.6 26.4
 139 15.3 11.8 17.8





#73

Di-n-butylphthalate

Concen: 46.29 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:149 Resp: 1956151

Ion Ratio Lower Upper

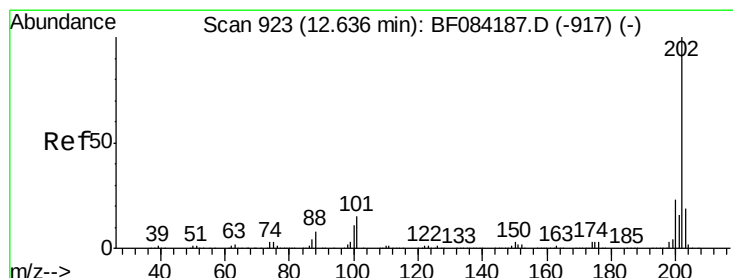
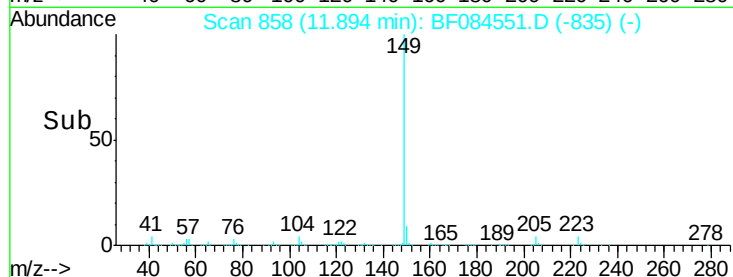
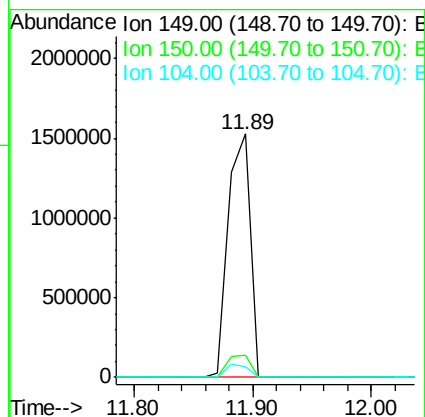
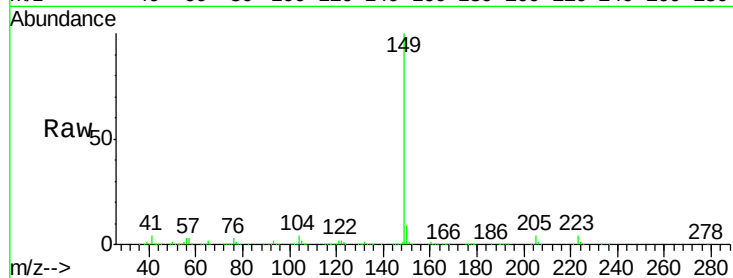
149 100

150 9.1 7.1 10.7

104 4.2 3.2 4.8

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#74

Fluoranthene

Concen: 41.97 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

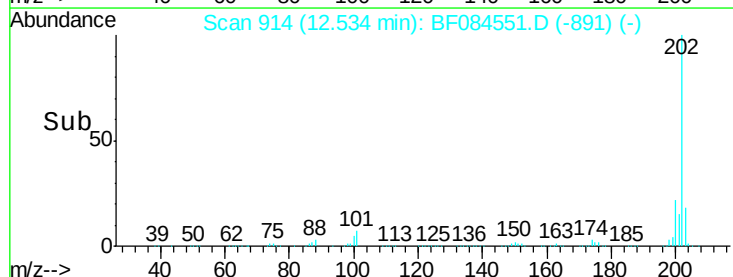
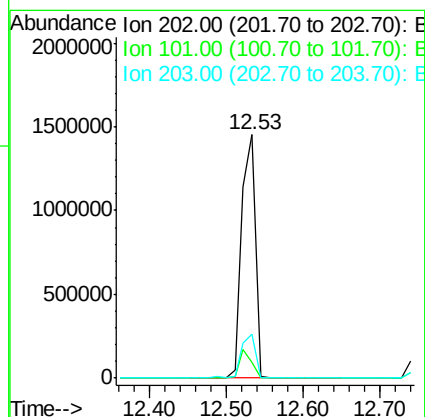
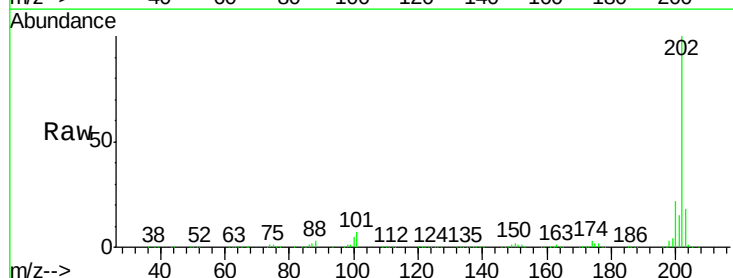
Tgt Ion:202 Resp: 1832180

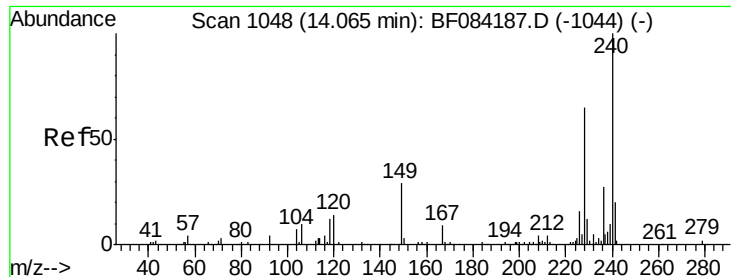
Ion Ratio Lower Upper

202 100

101 6.7 0.0 32.8

203 18.2 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

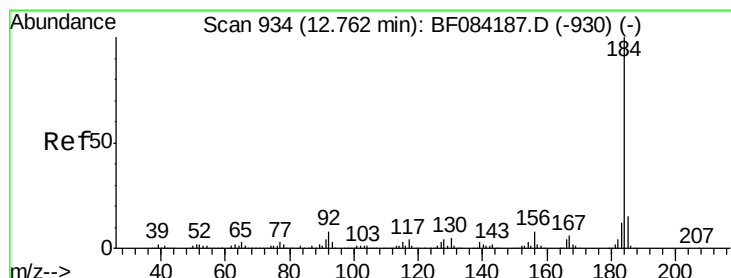
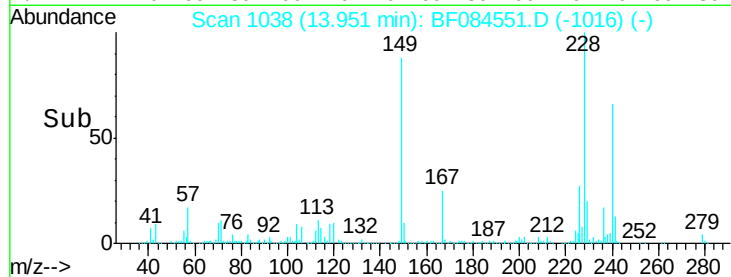
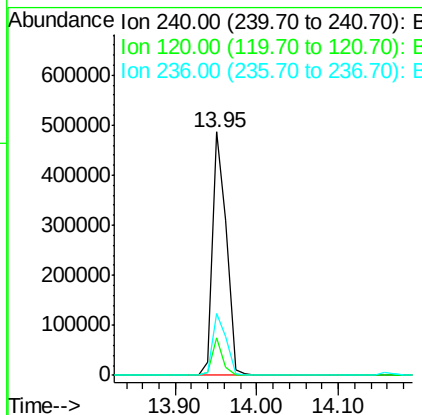
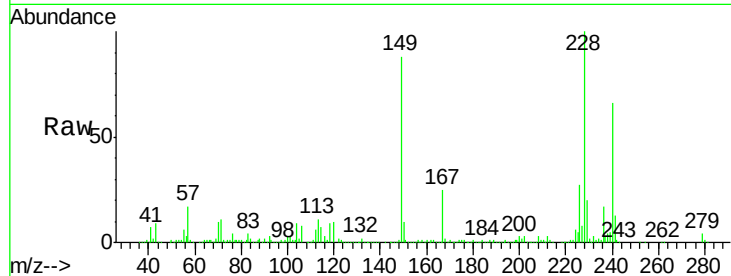
ClientSampleId :

PB87864BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	25.4	20.6	31.0

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#76

Benzidine

Concen: 21.63 ng

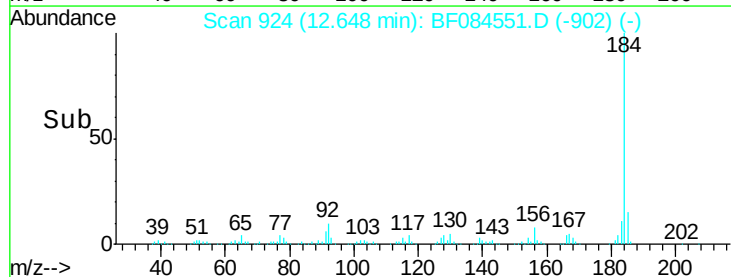
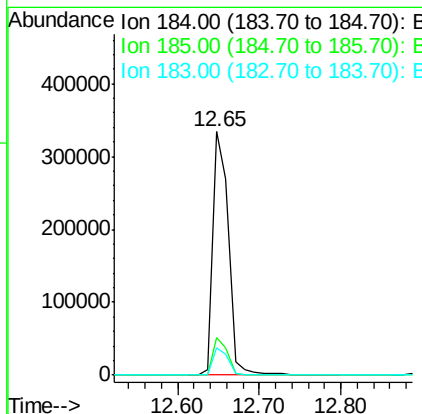
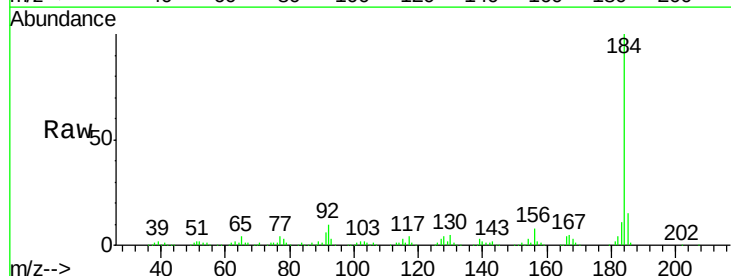
RT: 12.65 min Scan# 924

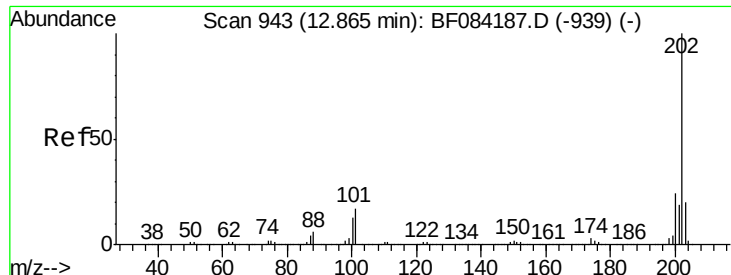
Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	11.0	9.8	14.8





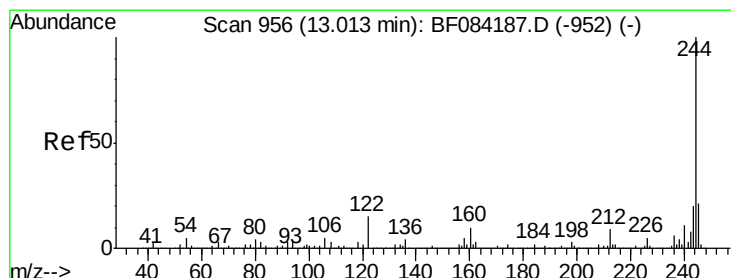
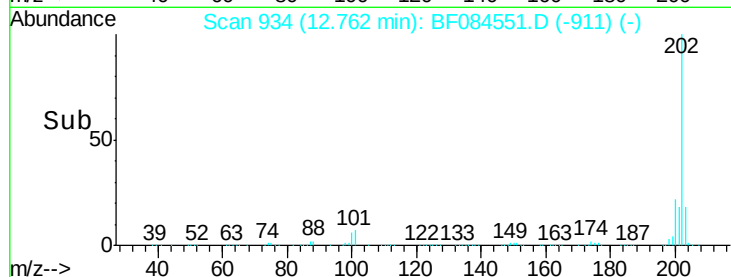
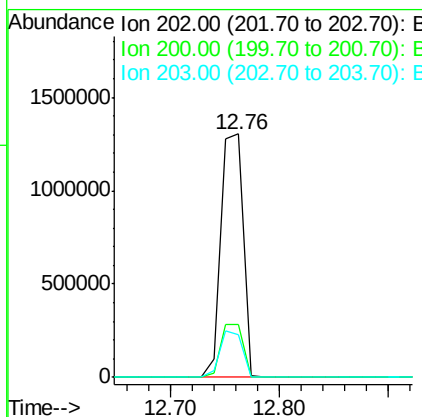
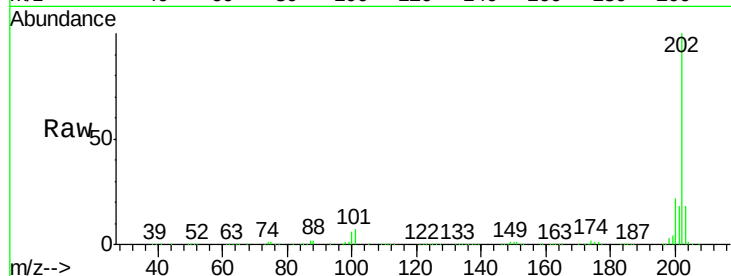
#77
Pvrene
Concen: 41.07 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.6	14.3	21.5

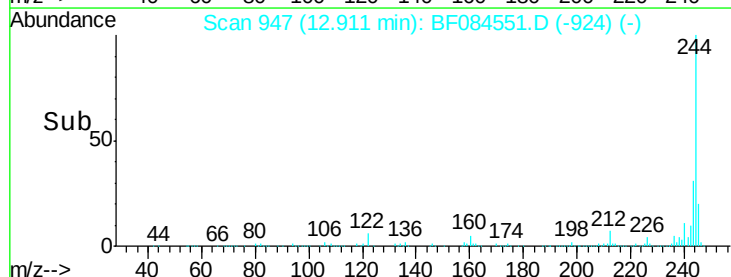
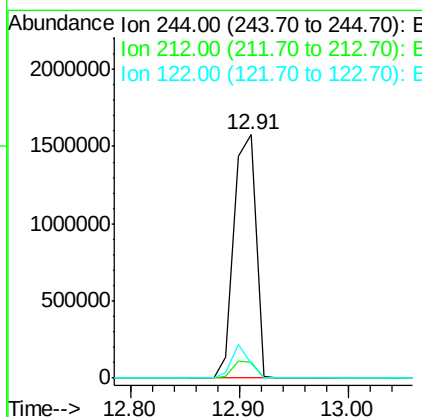
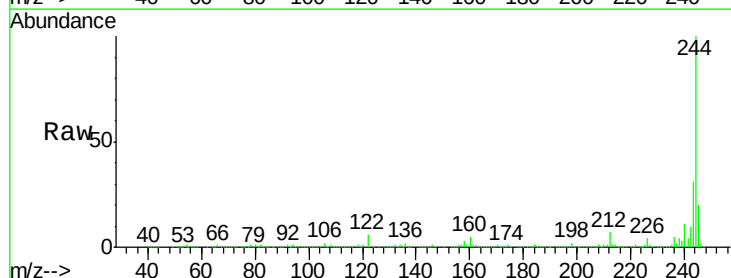
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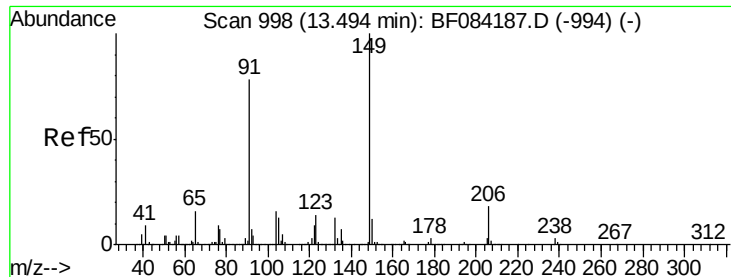
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#78
Terphenyl-d14
Concen: 84.18 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.03 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	5.7	7.4	11.0





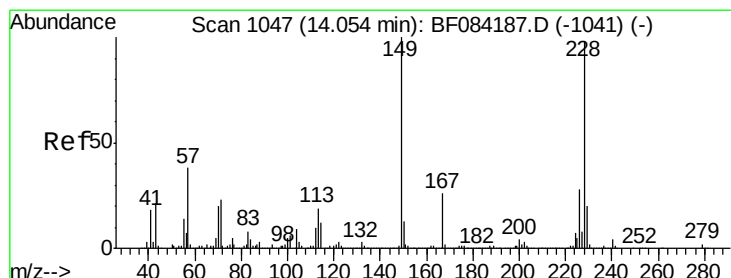
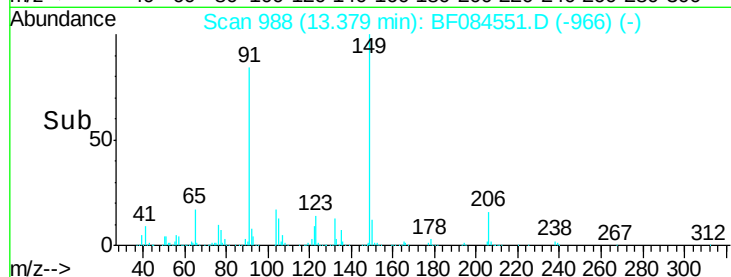
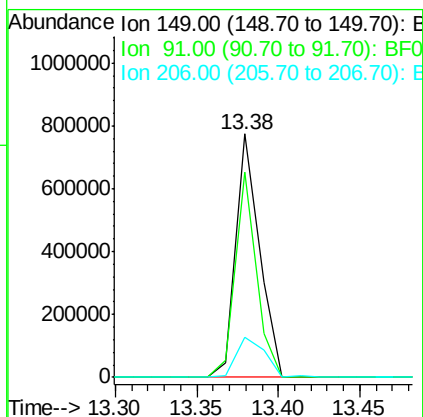
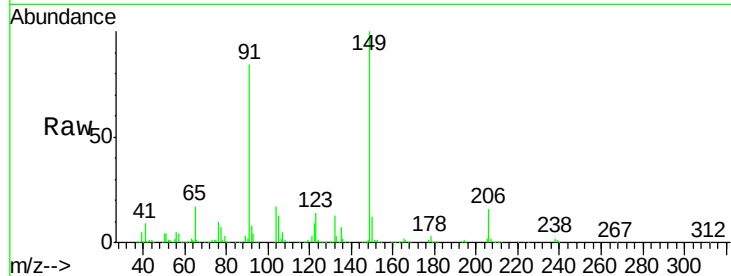
#79
Butylbenzylphthalate
Concen: 39.54 ng
RT: 13.38 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampled :
PB87864BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	84.3	57.6	86.4
206	16.5	13.2	19.8

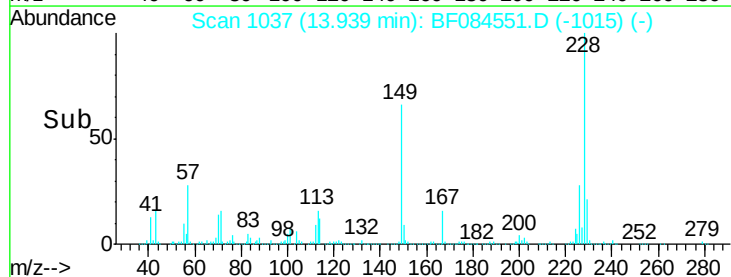
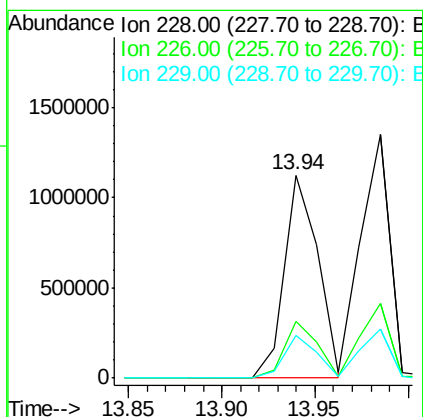
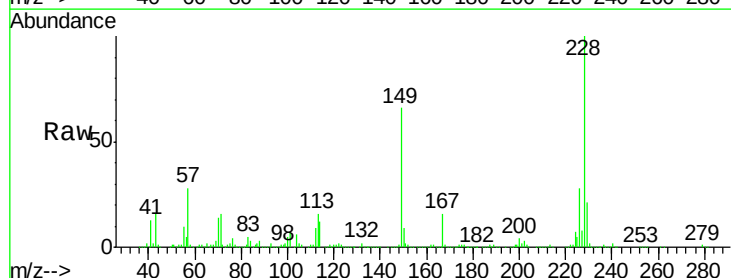
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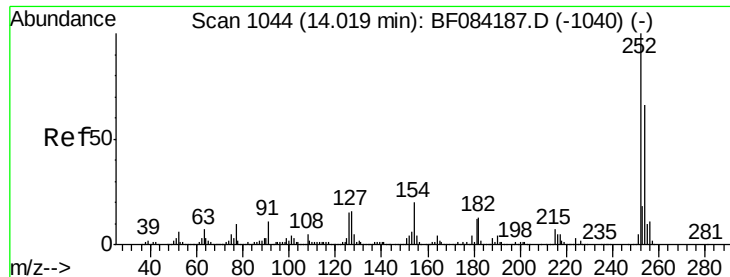
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#80
Benzo(a)anthracene
Concen: 41.97 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.6
229	21.1	15.8	23.8





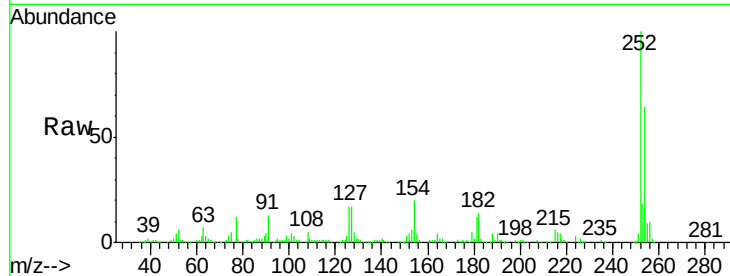
#81
 3,3'-Dichlorobenzidine
 Concen: 29.26 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BS

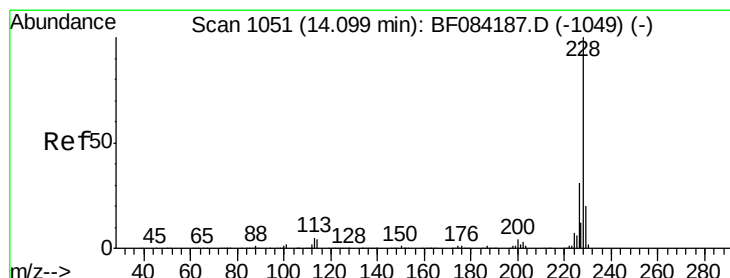
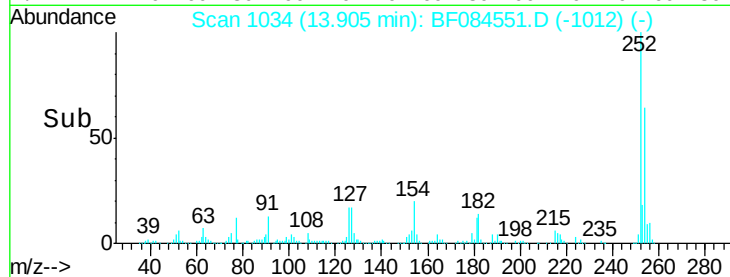
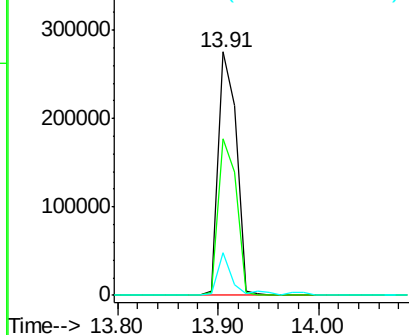
Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.3	53.5	80.3
126	17.3	4.9	7.3

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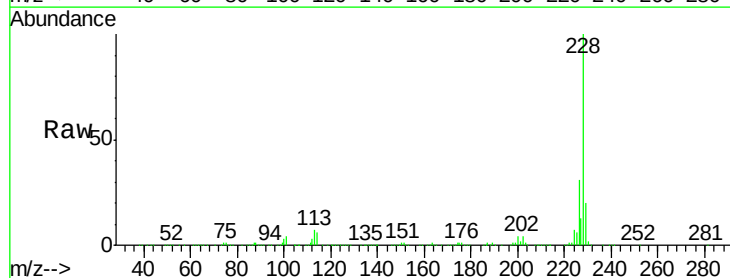


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

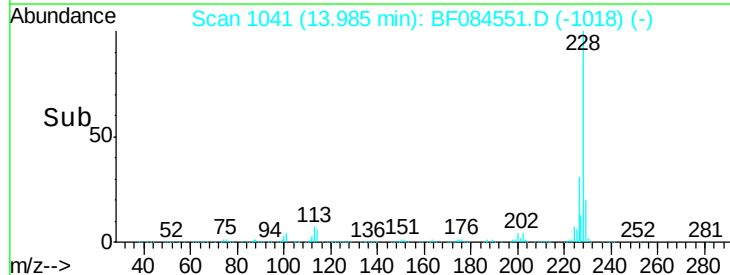
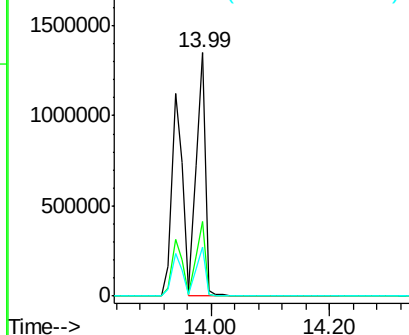


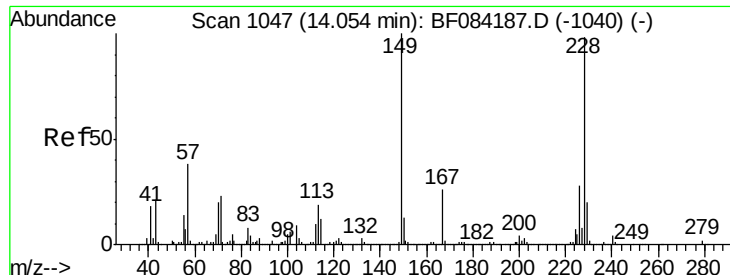
#82
 Chrysene
 Concen: 45.33 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF084551.D
 Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.8	24.3	36.5
229	20.0	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.76 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:149 Resp: 982870

Ion Ratio Lower Upper

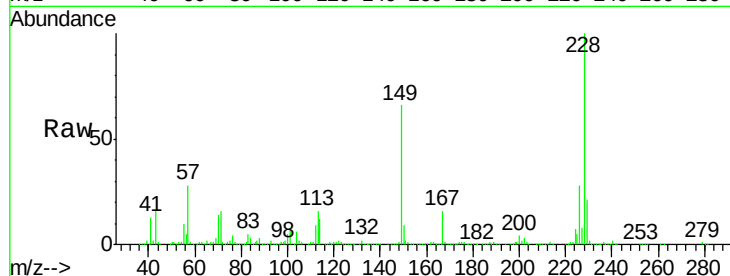
149 100

167 24.5 19.7 29.5

279 1.7 1.8 2.6#

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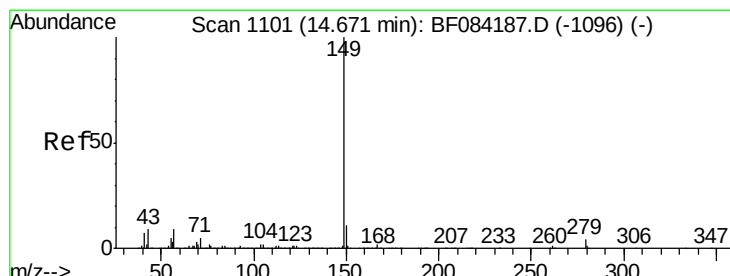
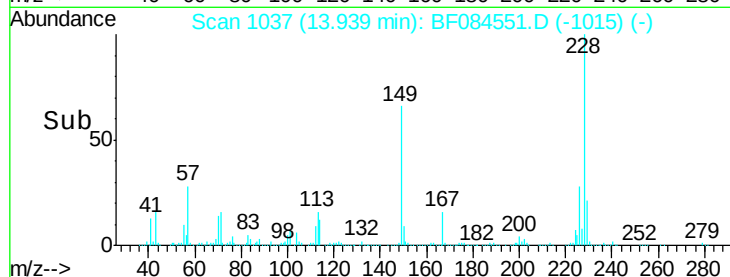
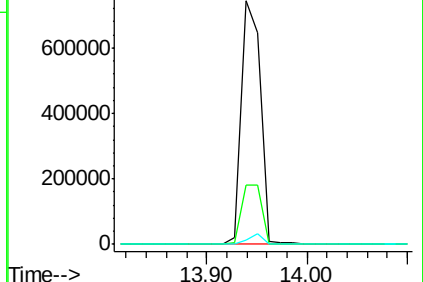
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 40.93 ng

RT: 14.56 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:149 Resp: 1708359

Ion Ratio Lower Upper

149 100

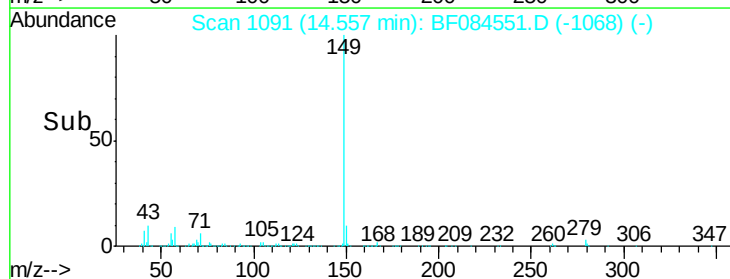
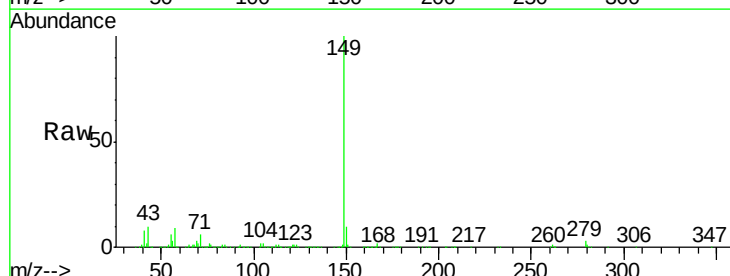
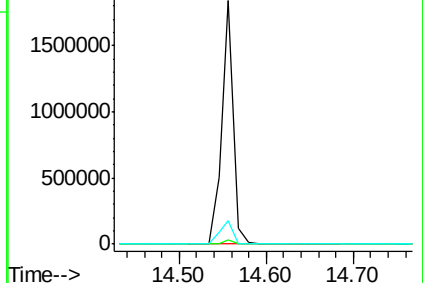
167 1.6 1.2 1.8

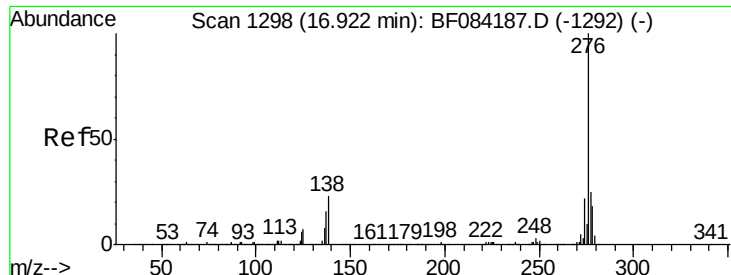
43 11.3 5.6 8.4#

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 40.64 ng

RT: 16.72 min Scan# 1280

Delta R.T. -0.08 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:276 Resp: 1047485

Ion Ratio Lower Upper

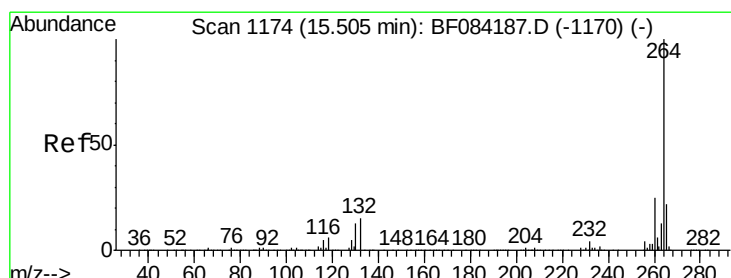
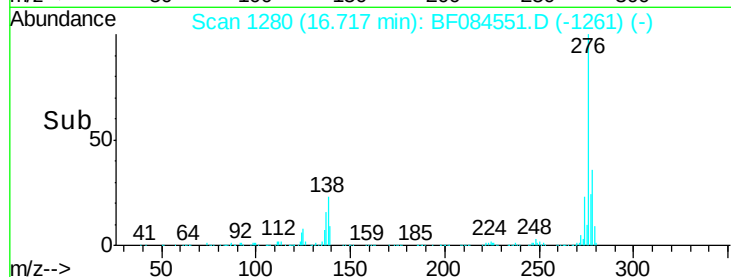
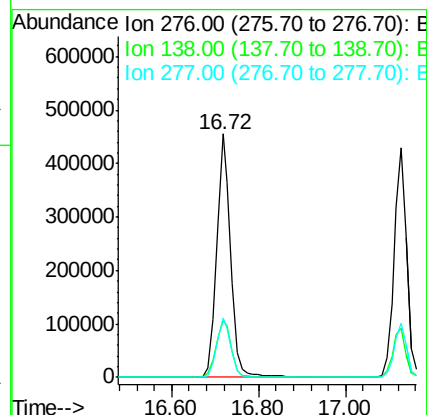
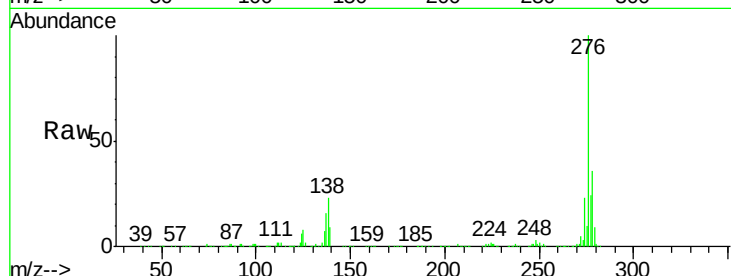
276 100

138 25.7 20.6 30.8

277 24.8 20.1 30.1

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

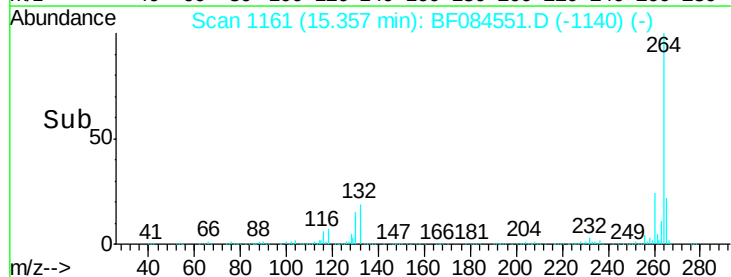
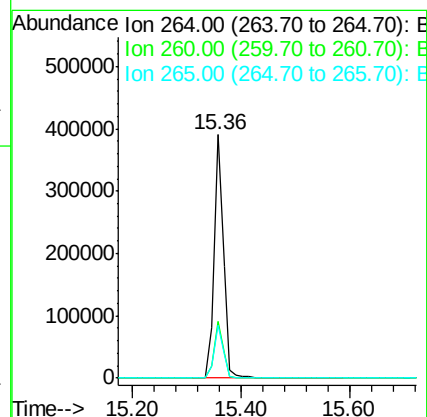
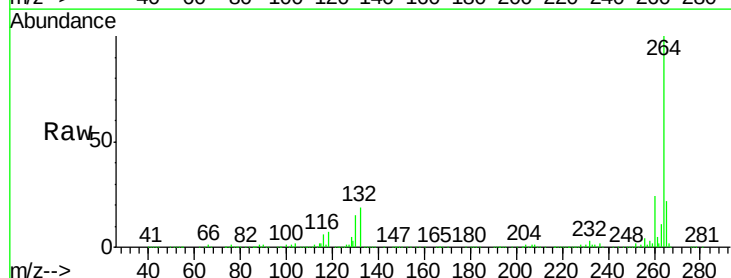
Tgt Ion:264 Resp: 468440

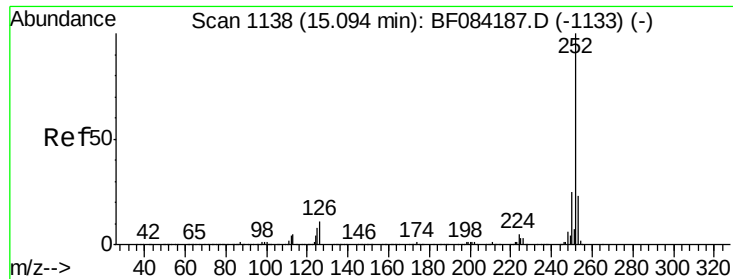
Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.7 17.8 26.6





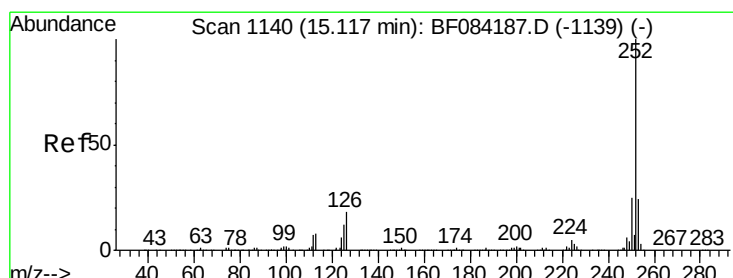
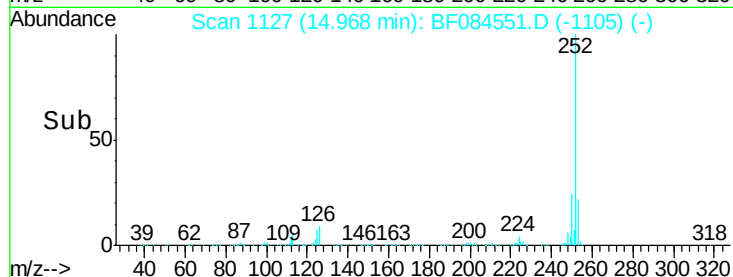
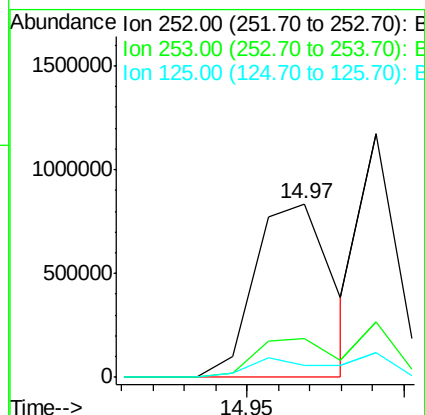
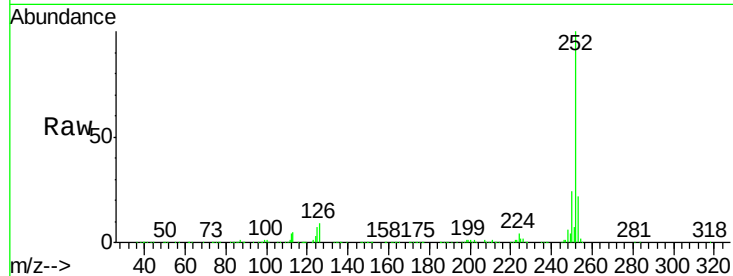
#87
Benzo(b)fluoranthene
Concen: 46.76 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	7.1	6.5	9.7

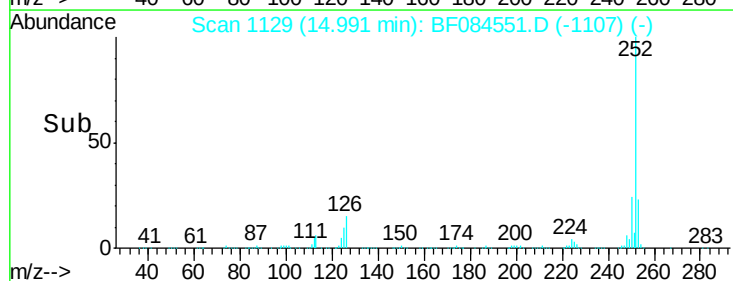
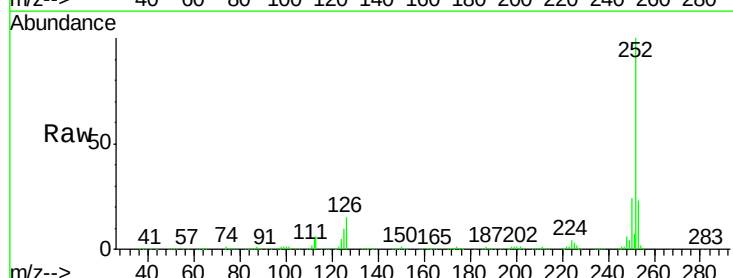
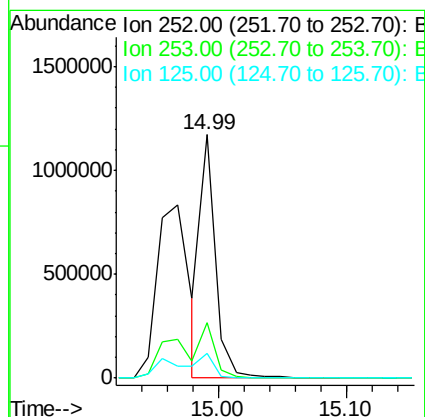
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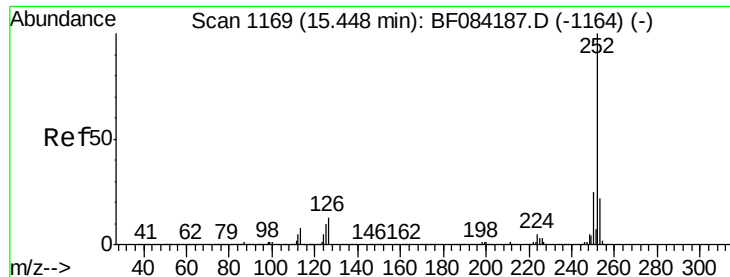
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#88
Benzo(k)fluoranthene
Concen: 38.97 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF084551.D
Acq: 19 Jan 2016 14:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.1	9.0	13.6





#89

Benzo(a)pyrene

Concen: 42.08 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Tot Ion:252 Resp: 1093676

Ion Ratio Lower Upper

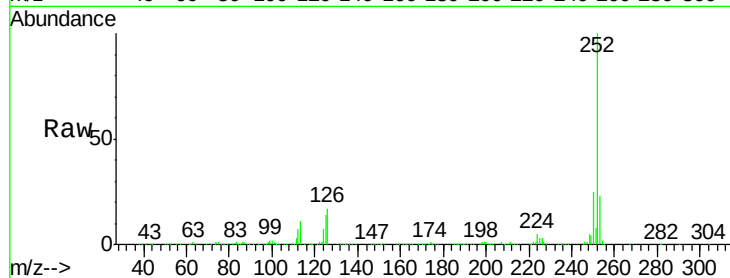
252 100

253 23.2 17.3 25.9

125 13.5 7.0 10.4#

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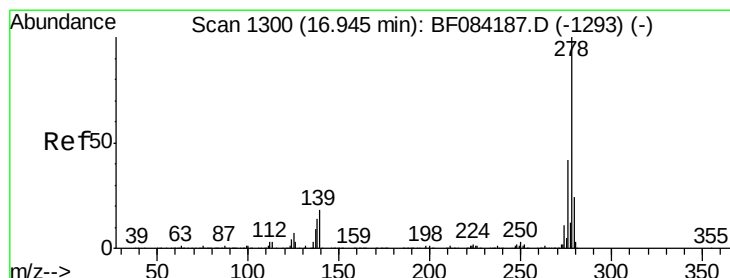
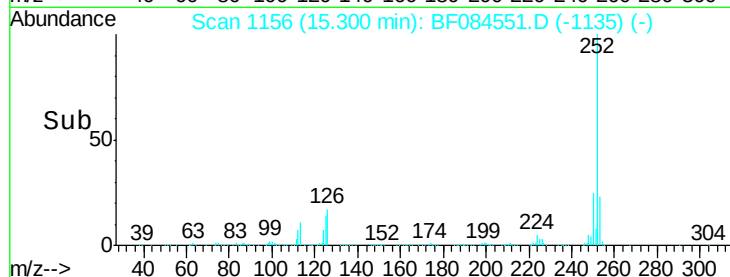
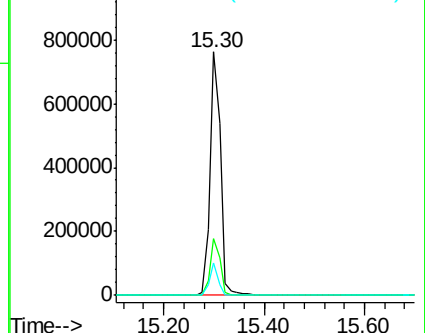
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 38.65 ng

RT: 16.74 min Scan# 1282

Delta R.T. -0.07 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tgt Ion:278 Resp: 864477

Ion Ratio Lower Upper

278 100

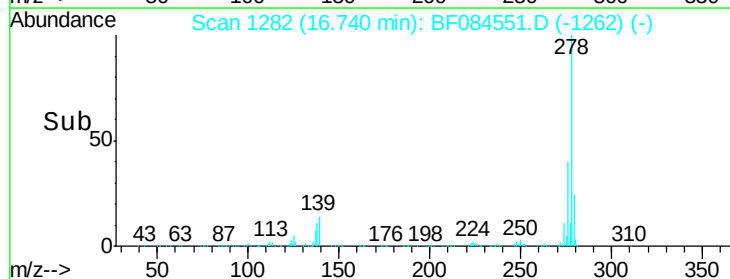
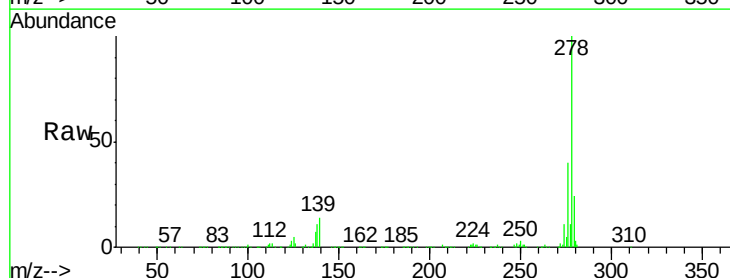
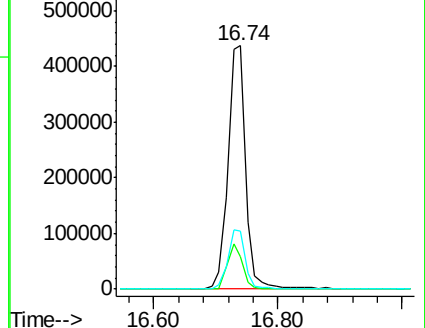
139 13.5 15.0 22.4#

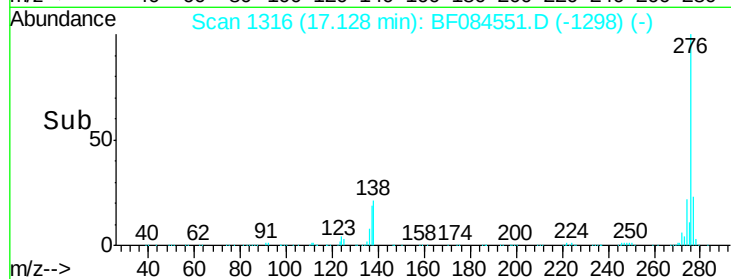
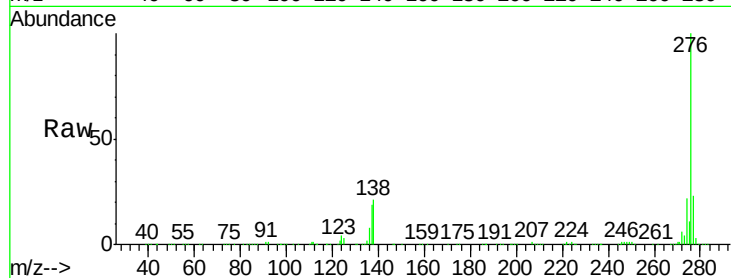
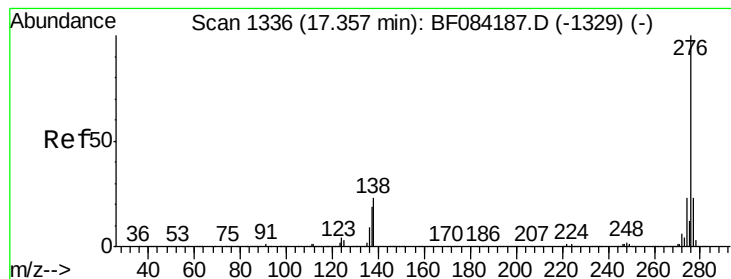
279 23.9 18.9 28.3

Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.48 ng

RT: 17.13 min Scan# 1316

Delta R.T. -0.09 min

Lab File: BF084551.D

Acq: 19 Jan 2016 14:47

Tot Ion:	276	Resp:	891127
Ion Ratio		Lower	Upper
276	100		
277	23.3	18.8	28.2
138	21.4	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

PB87864BS

Manual Integrations
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