

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082597.D
 Acq On : 31 Oct 2015 3:28
 Operator : UM/IZ
 Sample : PB86326BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Manual Integrations
 APPROVED

Mmdadoda
 11/2/2015 4:32:14 PM

Quant Time: Oct 31 04:15:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	199024	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	778938	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	428137	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	786897	20.00	ng	0.00
75) Chrysene-d12	14.08	240	603358	20.00	ng	0.00
86) Perylene-d12	15.53	264	452384	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1118811	84.67	ng	0.01
7) Phenol-d6	6.53	99	1413135	80.50	ng	0.00
23) Nitrobenzene-d5	7.47	82	1546768	81.09	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	363780	77.64	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2374266	78.74	ng	0.00
78) Terphenyl-d14	13.02	244	2097306	76.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.62	88	199321	32.63	ng	90
3) Pyridine	3.36	79	554684	30.97	ng	96
4) n-Nitrosodimethylamine	3.30	42	370868	36.78	ng	97
6) Aniline	6.57	93	648610	26.54	ng	98
8) 2-Chlorophenol	6.69	128	578181	40.44	ng	99
9) Benzaldehyde	6.44	77	244610	20.41	ng	97
10) Phenol	6.54	94	733949	36.90	ng	99
11) bis(2-Chloroethyl)ether	6.64	93	537564	36.63	ng	97
12) 1,3-Dichlorobenzene	6.84	146	589599	36.16	ng	99
13) 1,4-Dichlorobenzene	6.92	146	641212	39.66	ng	98
14) 1,2-Dichlorobenzene	7.08	146	588542	39.21	ng	97
15) Benzyl Alcohol	7.05	79	682820	41.71	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.18	45	957585	41.06	ng	98
17) 2-Methylphenol	7.16	107	509531	41.91	ng	96
18) Hexachloroethane	7.42	117	252002	39.94	ng	93
19) n-Nitroso-di-n-propylamine	7.32	70	490018	36.82	ng	98
20) 3+4-Methylphenols	7.31	107	590889	37.40	ng	94
22) Acetophenone	7.31	105	894012	38.98	ng	# 78
24) Nitrobenzene	7.48	77	710878	36.87	ng	# 85
25) Isophorone	7.73	82	1345256	38.33	ng	100
26) 2-Nitrophenol	7.80	139	266205	37.80	ng	96
27) 2,4-Dimethylphenol	7.85	122	546064	39.72	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	722169	37.62	ng	98
29) 2,4-Dichlorophenol	8.05	162	513148	40.95	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	517080	37.18	ng	99
31) Naphthalene	8.21	128	1517429	36.00	ng	100
32) Benzoic acid	7.97	122	389625	39.06	ng	99
33) 4-Chloroaniline	8.26	127	310785	17.27	ng	# 92
34) Hexachlorobutadiene	8.34	225	343042	38.78	ng	99
35) Caprolactam	8.64	113	165978m	43.17	ng	
36) 4-Chloro-3-methylphenol	8.75	107	618724	41.93	ng	# 83
37) 2-Methylnaphthalene	8.91	142	1156994	42.36	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.08	216	554836	38.84	ng	98
40) Hexachlorocyclopentadiene	9.07	237	755657	84.13	ng	99

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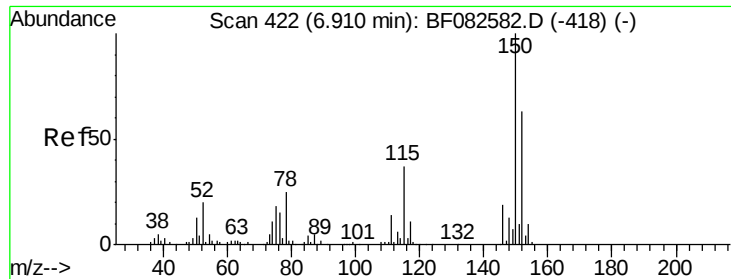
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	413858	40.12	ng	99
43) 2,4,5-Trichlorophenol	9.22	196	354336	34.47	ng	96
45) 1,1'-Biphenyl	9.38	154	1392908	38.52	ng	99
46) 2-Chloronaphthalene	9.40	162	1091543	38.65	ng	98
47) 2-Nitroaniline	9.48	65	386428	35.20	ng	96
48) Acenaphthylene	9.81	152	1710425	37.87	ng	99
49) Dimethylphthalate	9.68	163	1223725	35.00	ng	99
50) 2,6-Dinitrotoluene	9.73	165	303526	41.88	ng	99
51) Acenaphthene	9.98	154	1204093	41.99	ng	99
52) 3-Nitroaniline	9.89	138	162168	20.11	ng	96
53) 2,4-Dinitrophenol	10.01	184	316419	81.79	ng	# 10
54) Dibenzofuran	10.16	168	1400250	35.99	ng	98
55) 4-Nitrophenol	10.05	139	479545	79.05	ng	# 64
56) 2,4-Dinitrotoluene	10.13	165	358226	36.55	ng	# 86
57) Fluorene	10.50	166	1151609	36.69	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.27	232	327676	37.72	ng	97
59) Diethylphthalate	10.38	149	1416558	39.79	ng	98
60) 4-Chlorophenyl-phenylether	10.50	204	599152	39.28	ng	95
61) 4-Nitroaniline	10.51	138	254632	33.09	ng	96
62) Azobenzene	10.65	77	1614598	40.22	ng	84
64) 4,6-Dinitro-2-methylphenol	10.54	198	222995	46.99	ng	95
65) n-Nitrosodiphenylamine	10.61	169	1119582	41.39	ng	100
66) 4-Bromophenyl-phenylether	10.98	248	343663	38.54	ng	# 62
67) Hexachlorobenzene	11.05	284	385396	38.98	ng	91
68) Atrazine	11.14	200	336647	38.04	ng	99
69) Pentachlorophenol	11.24	266	529079	81.15	ng	100
70) Phenanthrene	11.46	178	1649199	37.16	ng	100
71) Anthracene	11.52	178	1927544	43.13	ng	99
72) Carbazole	11.66	167	1665753	42.79	ng	100
73) Di-n-butylphthalate	12.01	149	2128434	42.95	ng	100
74) Fluoranthene	12.65	202	1685749	37.15	ng	99
76) Benzidine	12.76	184	581923	21.39	ng	100
77) Pyrene	12.88	202	1718775	38.47	ng	100
79) Butylbenzylphthalate	13.50	149	861317	44.01	ng	97
80) Benzo(a)anthracene	14.07	228	1470536	38.37	ng	100
81) 3,3'-Dichlorobenzidine	14.03	252	278622	21.10	ng	# 97
82) Chrysene	14.10	228	1252334	36.05	ng	100
83) Bis(2-ethylhexyl)phthalate	14.08	149	1139765	44.93	ng	# 98
84) Di-n-octyl phthalate	14.68	149	1590183	40.19	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	1103982	38.51	ng	99
87) Benzo(b)fluoranthene	15.11	252	1293374	41.46	ng	# 98
88) Benzo(k)fluoranthene	15.14	252	865470m	36.42	ng	
89) Benzo(a)pyrene	15.47	252	1018124	41.44	ng	# 97
90) Dibenzo(a,h)anthracene	16.98	278	931452	40.63	ng	99
91) Benzo(g,h,i)perylene	17.39	276	914646	41.17	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

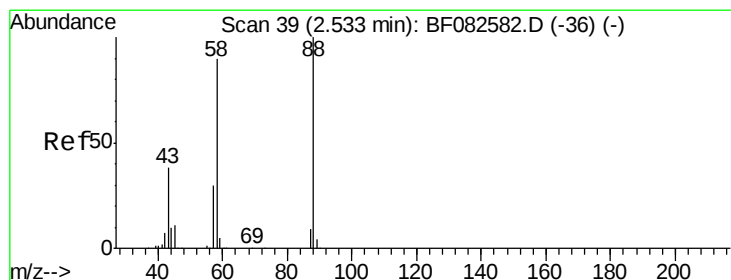
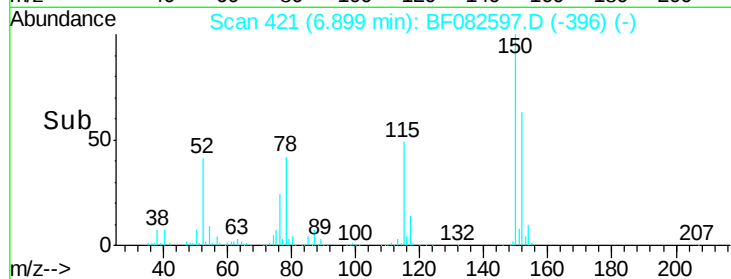
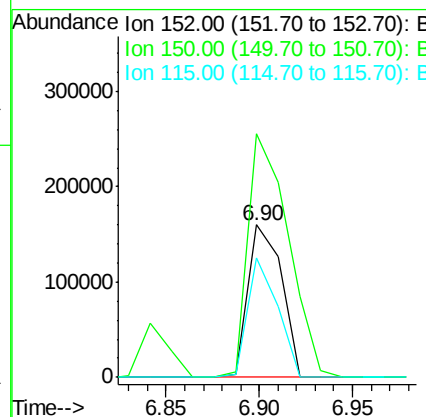
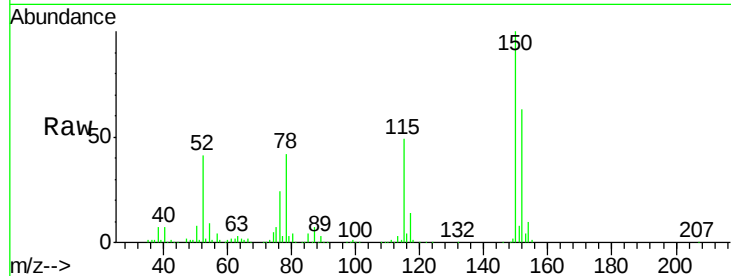
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Manual Integrations
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Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		199024		
150	159.8	127.0	190.4		
115	78.7	47.0	70.6#		



#2

1,4-Dioxane

Concen: 32.63 ng

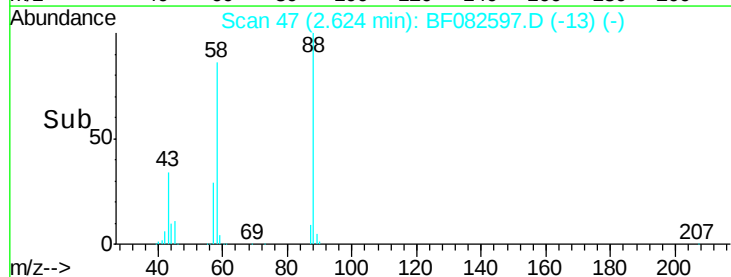
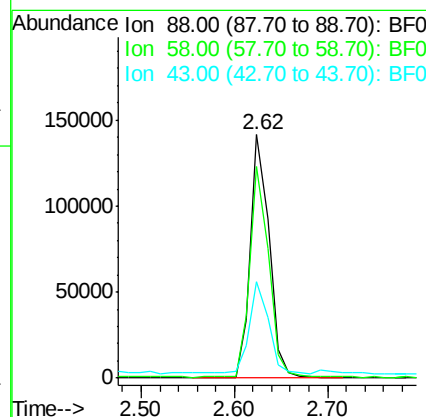
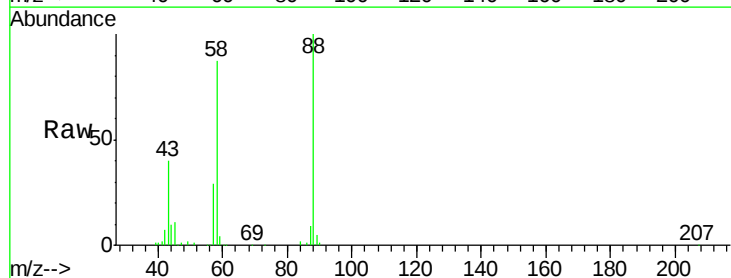
RT: 2.62 min Scan# 47

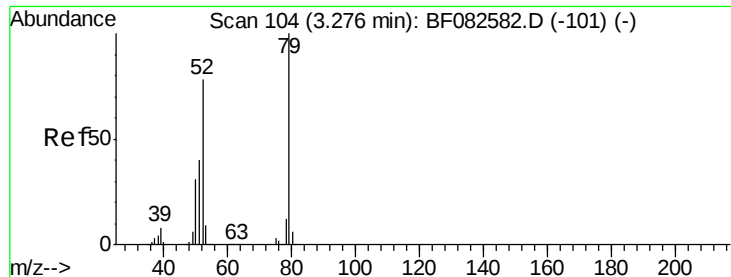
Delta R.T. 0.09 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt	Ion	Ratio	Resp	Lower	Upper
88	100		199321		
58	86.8	62.0	93.0		
43	38.6	26.6	40.0		





#3

Pyridine

Concen: 30.97 ng

RT: 3.36 min Scan# 111

Delta R.T. 0.08 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

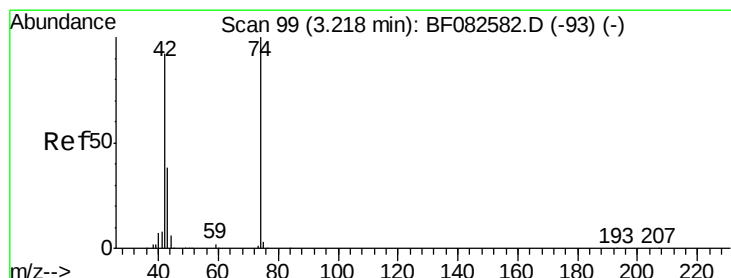
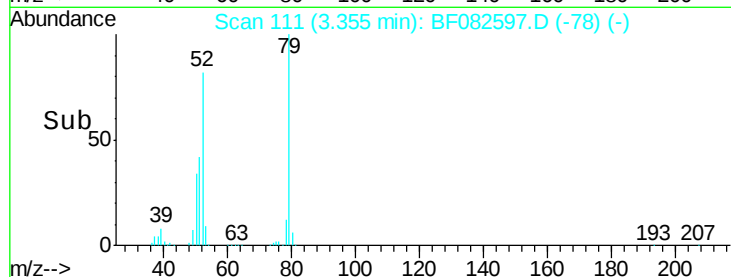
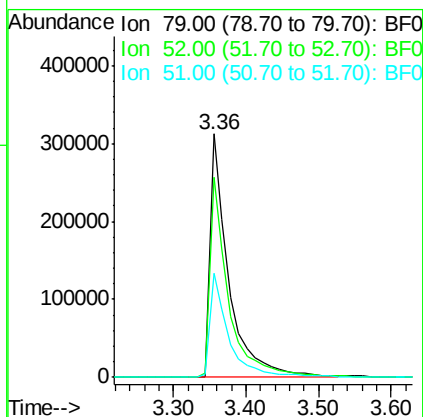
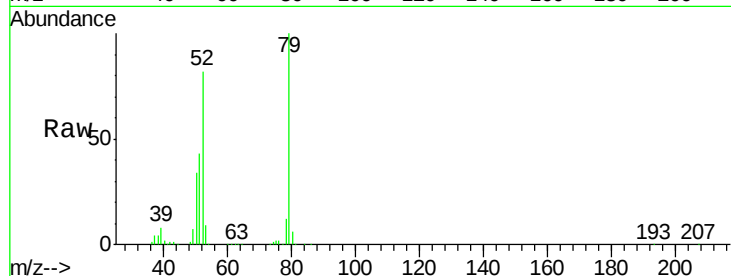
ClientSampleId :

PB86326BSD

Tgt Ion:	79	Resp:	554684
Ion	Ratio	Lower	Upper
79	100		
52	82.1	62.8	94.2
51	42.5	32.0	48.0

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#4

n-Nitrosodimethylamine

Concen: 36.78 ng

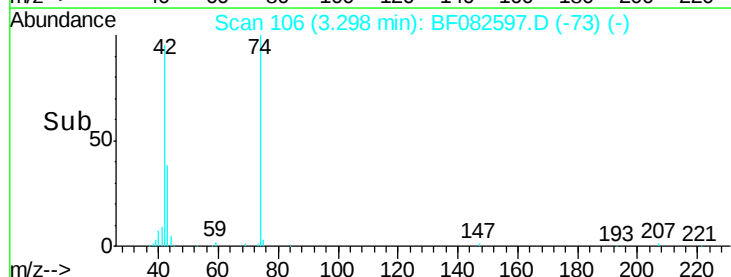
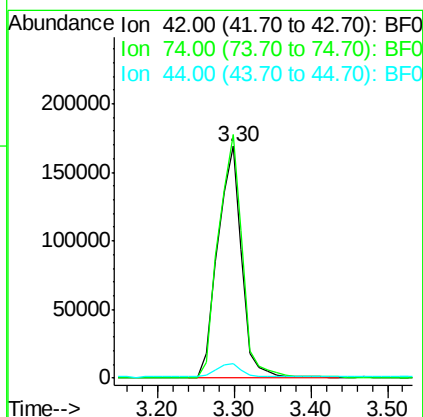
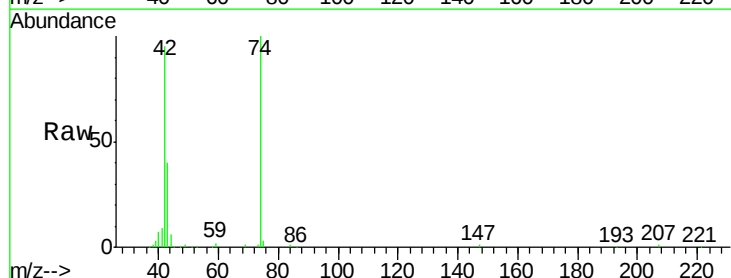
RT: 3.30 min Scan# 106

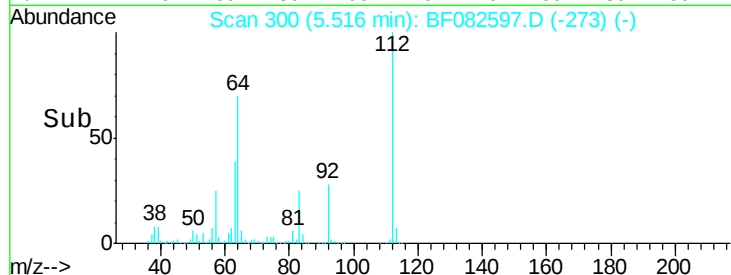
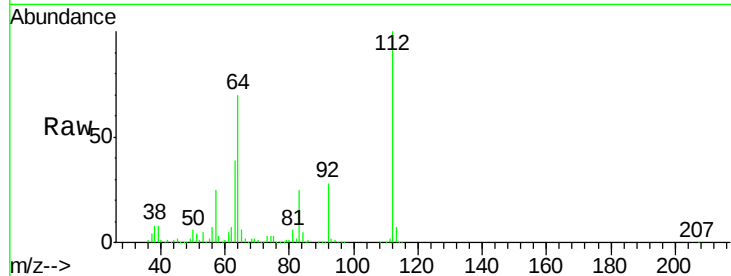
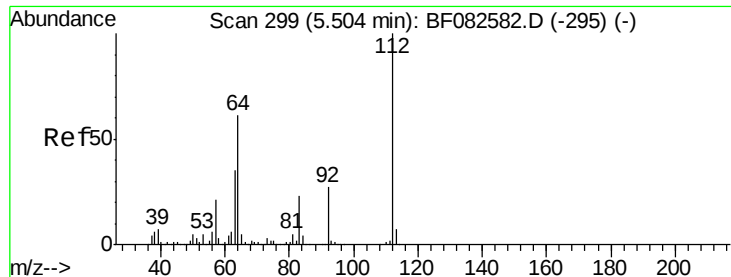
Delta R.T. 0.08 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	42	Resp:	370868
Ion	Ratio	Lower	Upper
42	100		
74	105.2	87.0	130.4
44	6.2	5.8	8.8





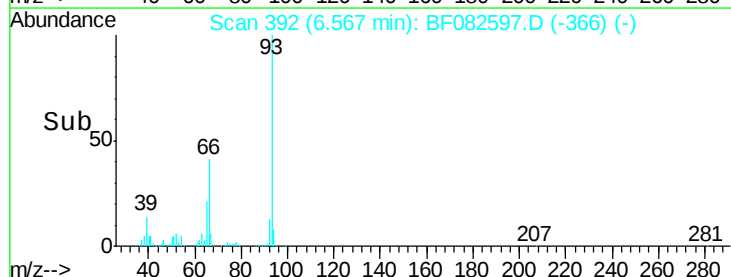
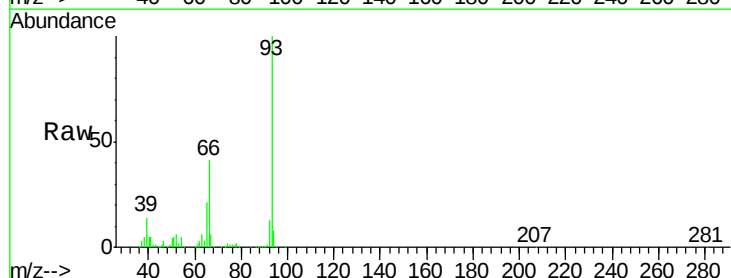
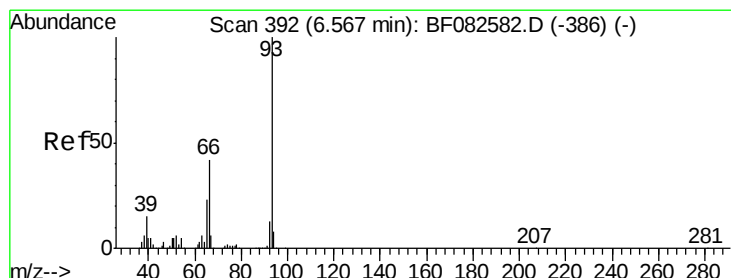
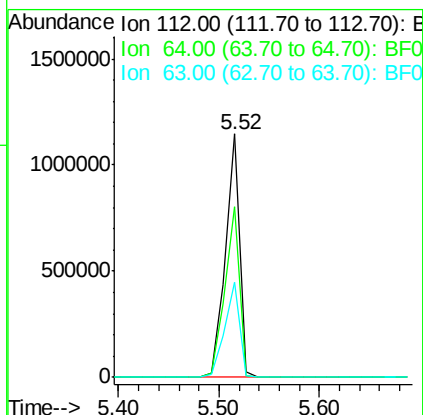
#5
2-Fluorophenol
Concen: 84.67 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.01 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1118811		
64	70.0	48.9	73.3	
63	39.2	28.1	42.1	

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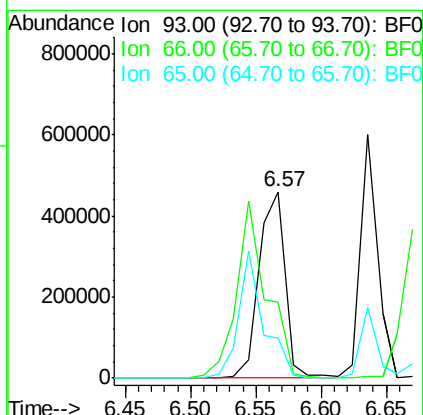
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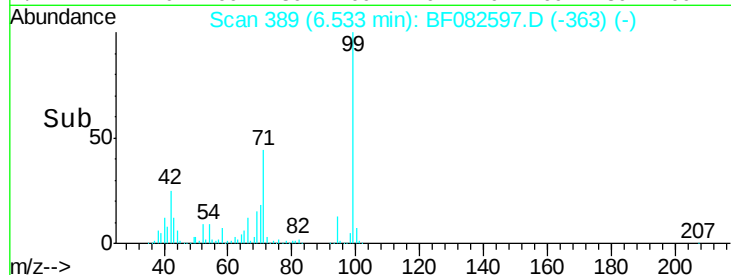
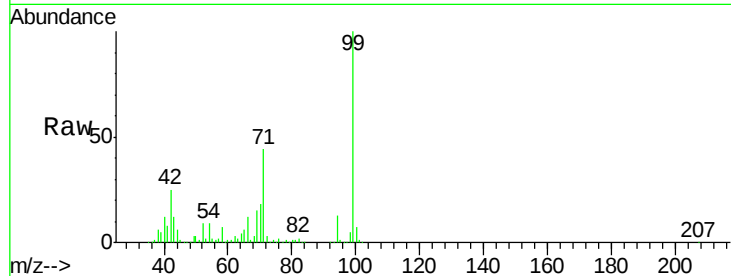
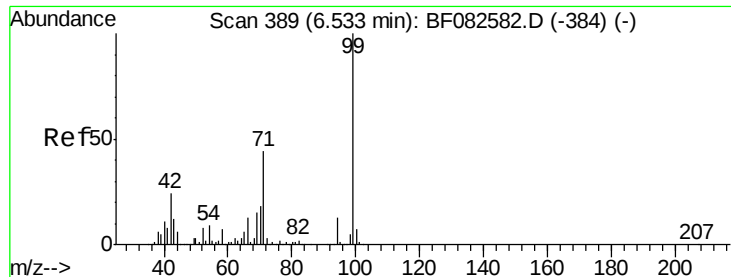
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#6
Aniline
Concen: 26.54 ng
RT: 6.57 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	648610		
66	40.9	33.6	50.4	
65	21.2	18.1	27.1	





#7

Phenol-d6

Concen: 80.50 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	99	Resp:	1413135
Ion	Ratio	Lower	Upper
99	100		
42	25.0	19.2	28.8
71	44.2	35.0	52.4

Instrument :

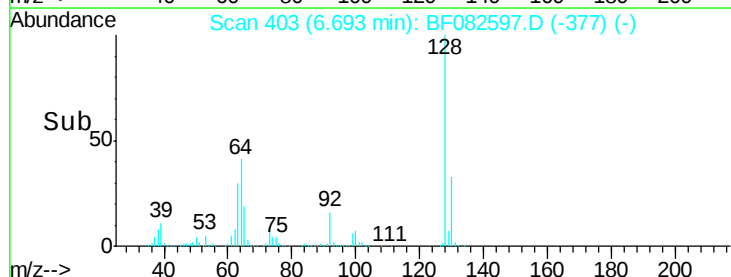
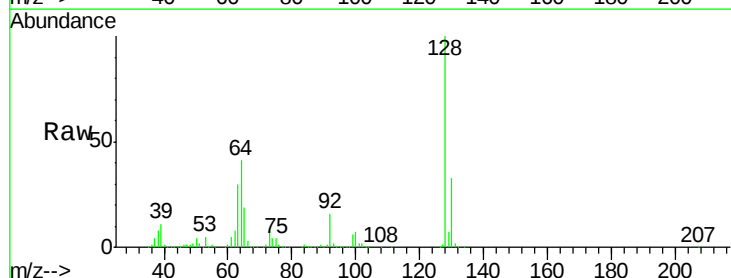
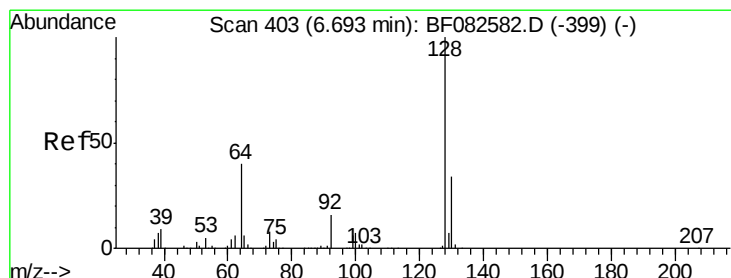
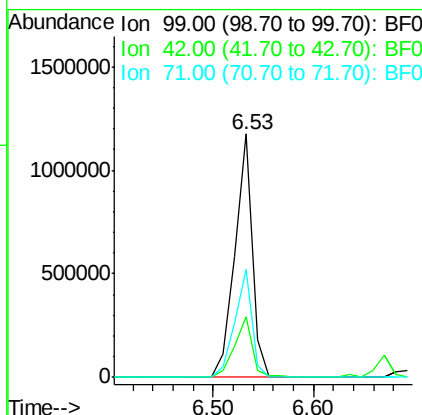
BNA_F

ClientSampleId :

PB86326BSD

Manual Integrations
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#8

2-Chlorophenol

Concen: 40.44 ng

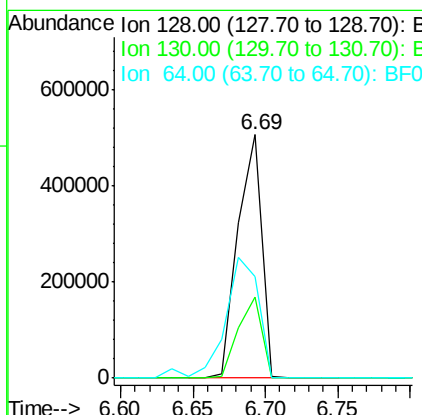
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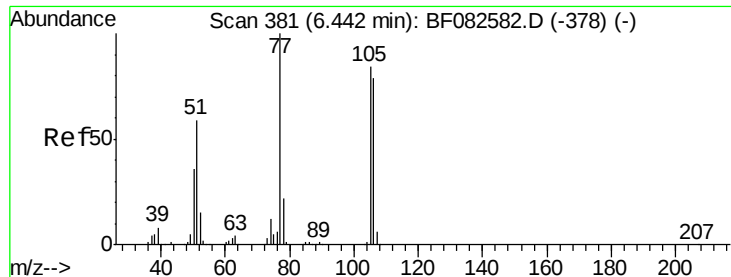
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	128	Resp:	578181
Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.5	53.5
64	41.5	21.1	61.1





#9

Benzaldehyde

Concen: 20.41 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

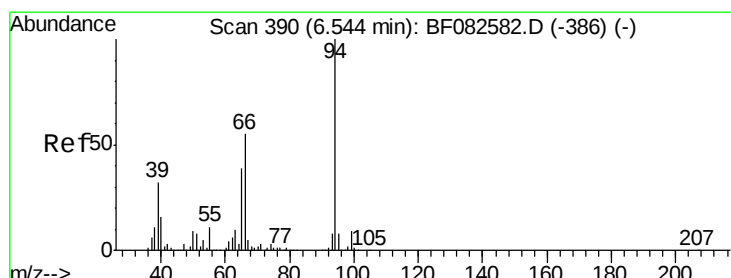
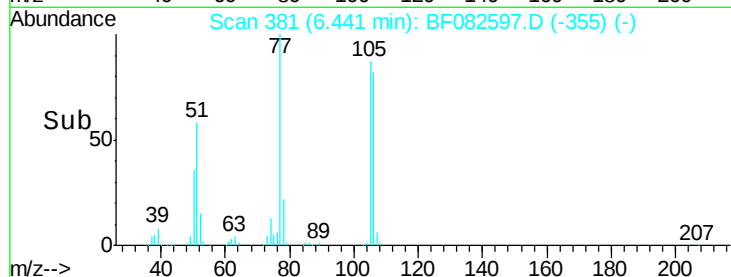
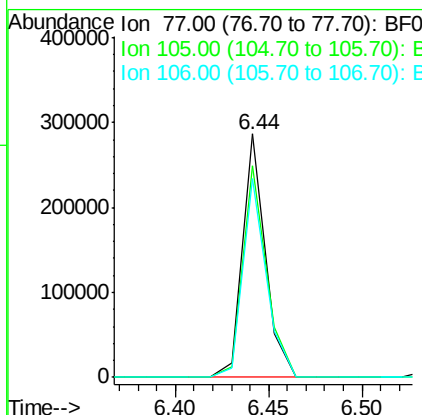
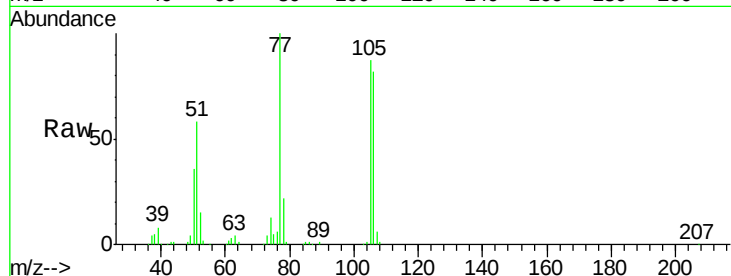
ClientSampleId :

PB86326BSD

Manual Integrations
APPROVED

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11/2/2015 4:32:14 PM

Tgt Ion:	77	Resp:	244610
Ion Ratio	Lower	Upper	
77	100		
105	87.0	63.5	103.5
106	81.8	59.3	99.3



#10

Phenol

Concen: 36.90 ng

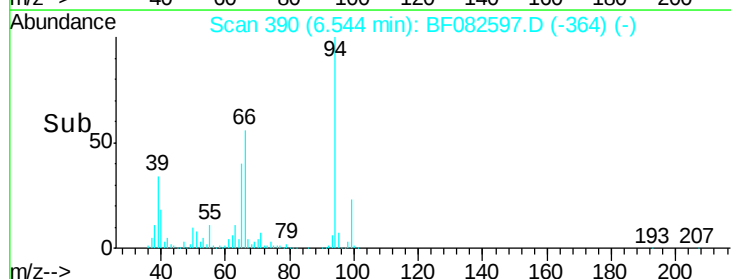
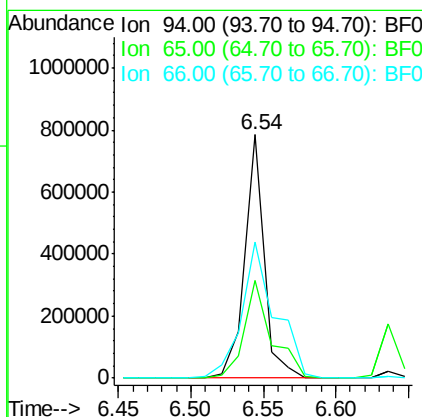
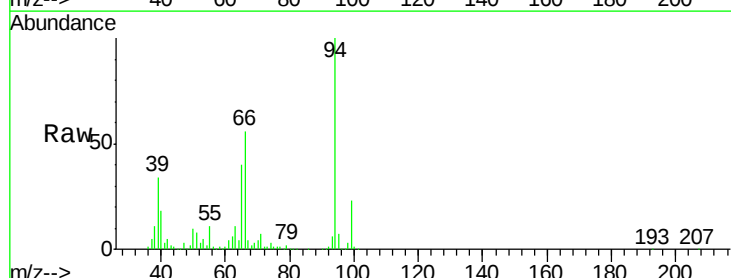
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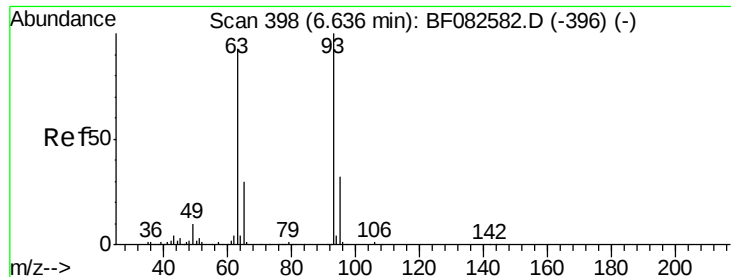
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	94	Resp:	733949
Ion Ratio	Lower	Upper	
94	100		
65	40.0	18.9	58.9
66	55.8	34.9	74.9





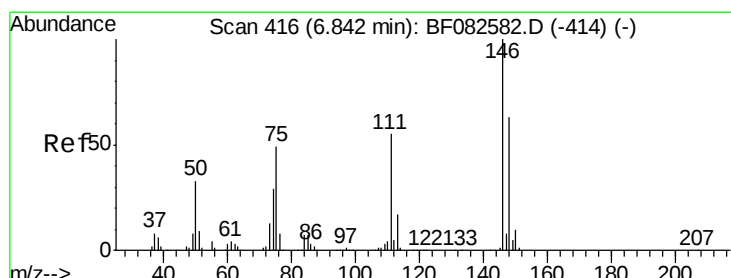
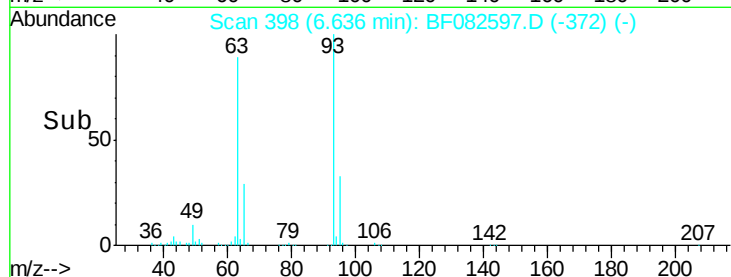
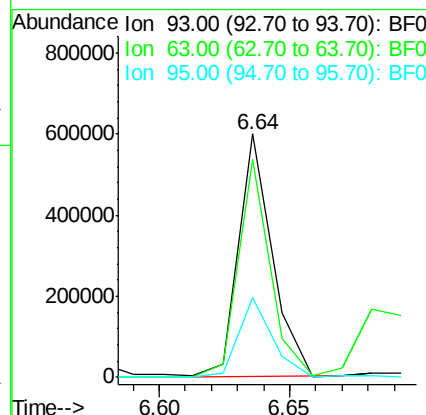
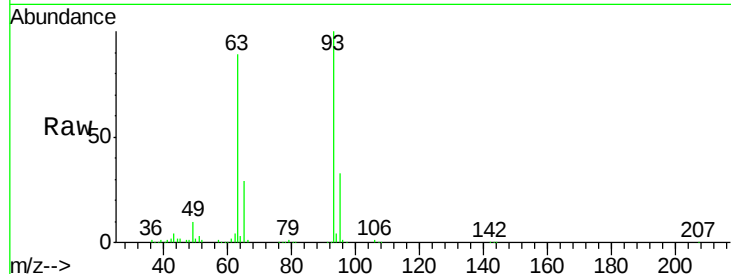
#11
bis(2-Chloroethyl)ether
Concen: 36.63 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	537564		
63	89.3	72.7	112.7	
95	33.0	12.0	52.0	

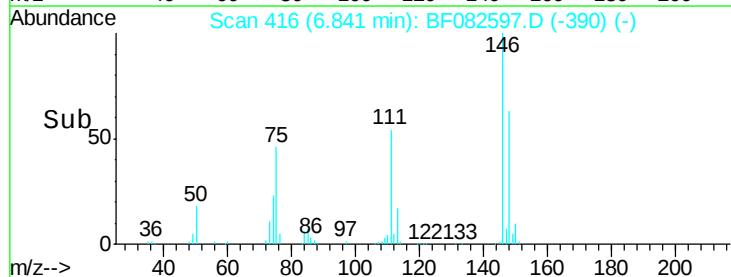
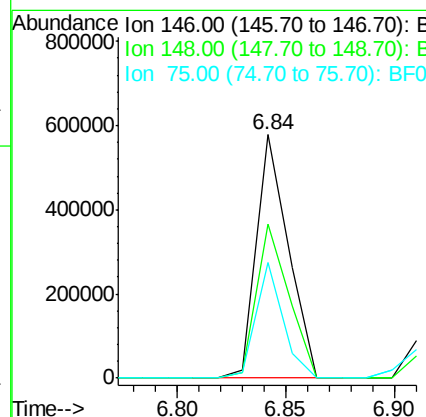
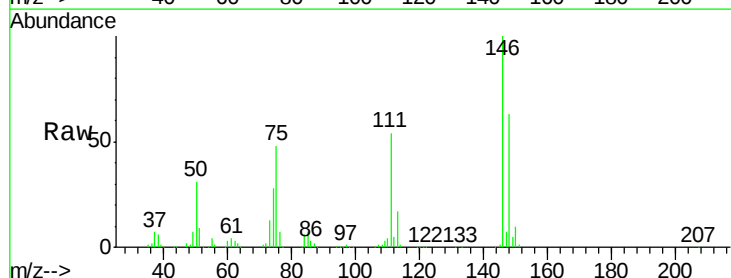
Manual Integrations
APPROVED

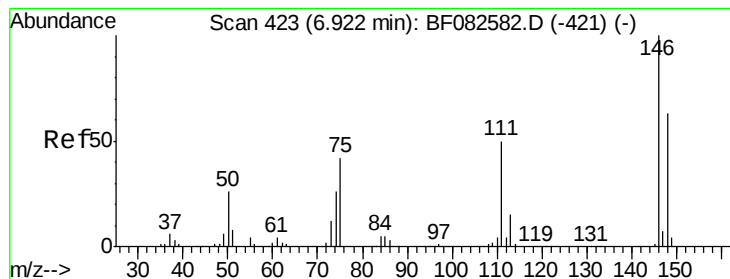
Mmdadoda
11/2/2015 4:32:14 PM



#12
1,3-Dichlorobenzene
Concen: 36.16 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	589599		
148	63.4	50.5	75.7	
75	47.5	39.5	59.3	





#13

1,4-Dichlorobenzene

Concen: 39.66 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

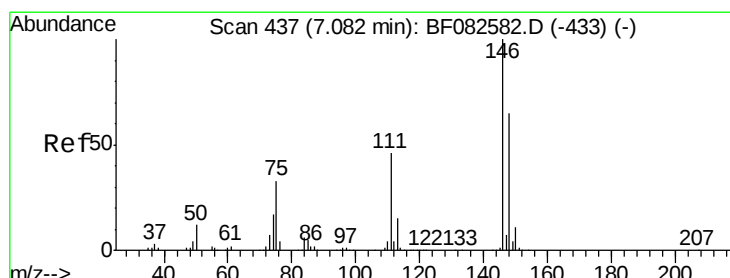
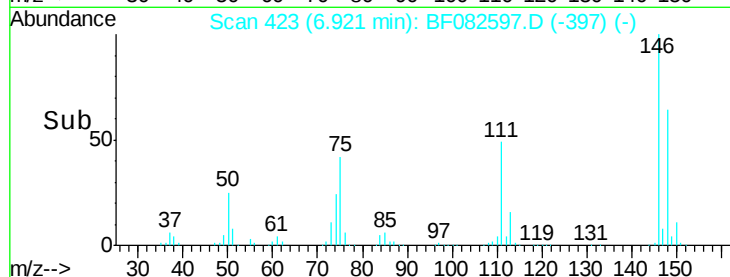
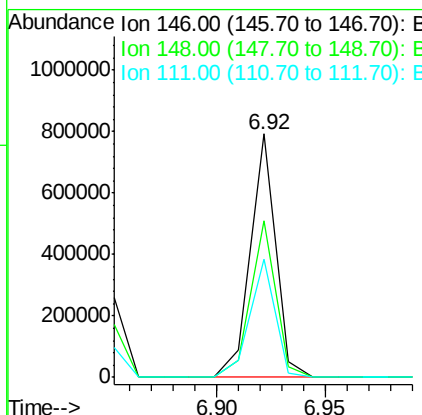
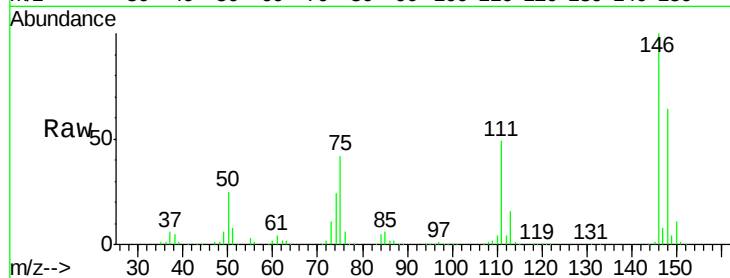
ClientSampleId :

PB86326BSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	641212		
148	64.4	50.8	76.2	
111	48.7	40.6	60.8	

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 39.21 ng

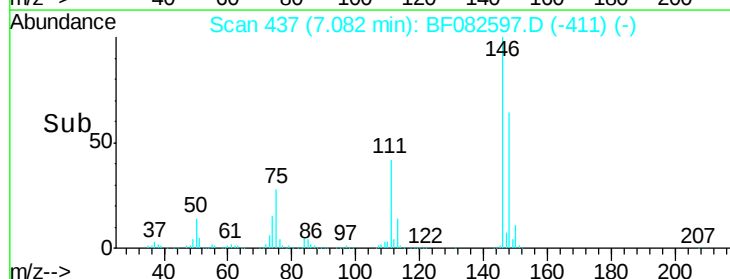
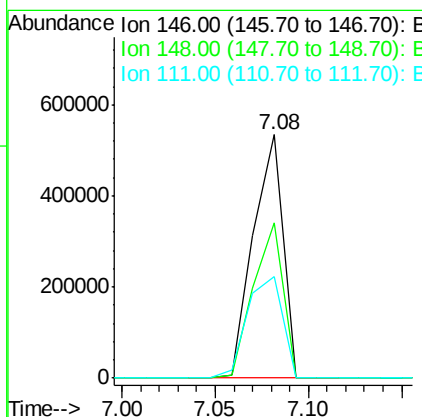
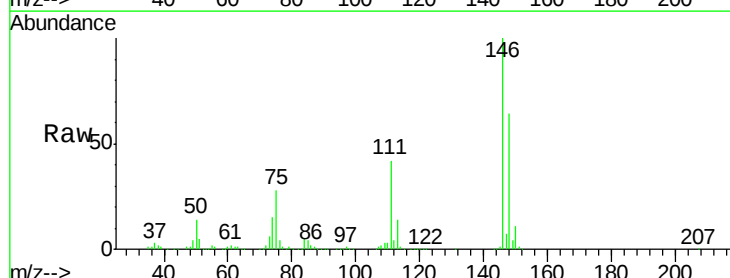
RT: 7.08 min Scan# 437

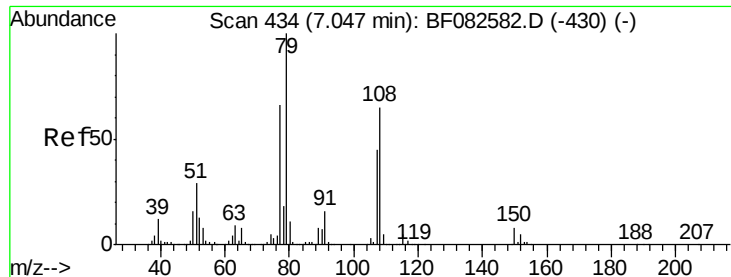
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	588542		
148	63.9	52.2	78.4	
111	41.9	36.6	55.0	





#15

Benzyl Alcohol

Concen: 41.71 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

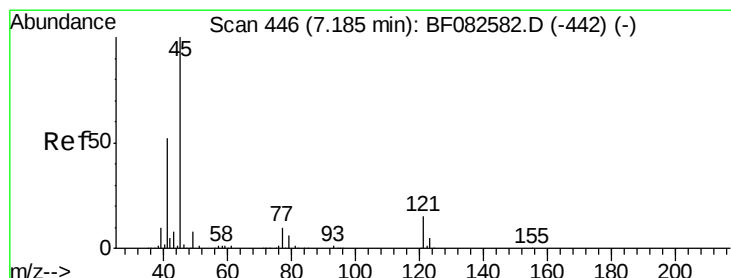
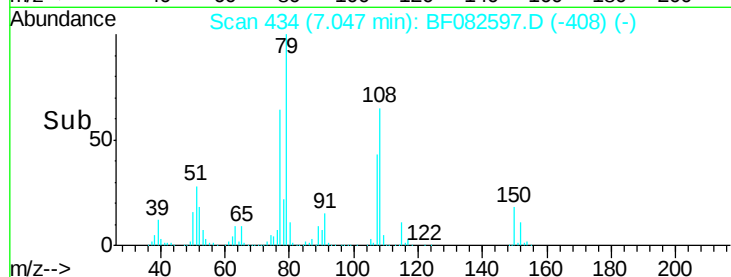
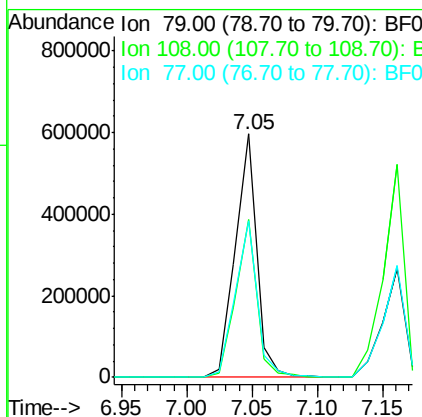
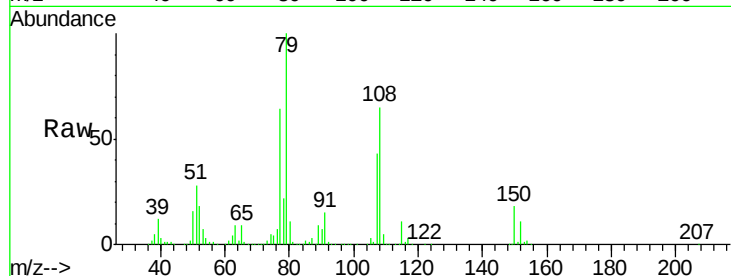
ClientSampleId :

PB86326BSD

Manual Integrations
APPROVED

Mmdadoda
11/2/2015 4:32:14 PM

Tgt Ion:	79	Resp:	682820
Ion Ratio	Lower	Upper	
79	100		
108	64.8	52.2	78.4
77	64.1	52.7	79.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.06 ng

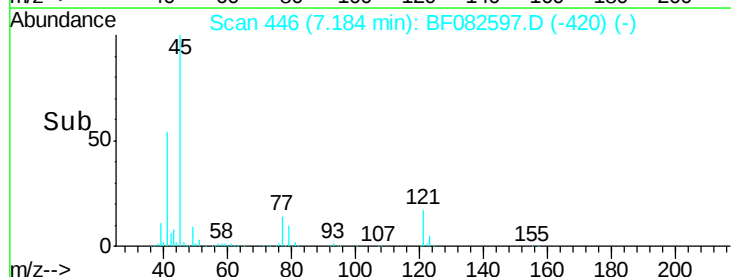
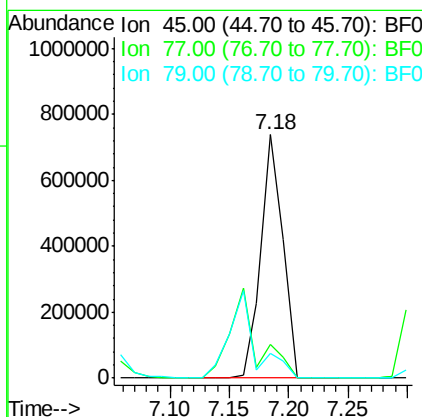
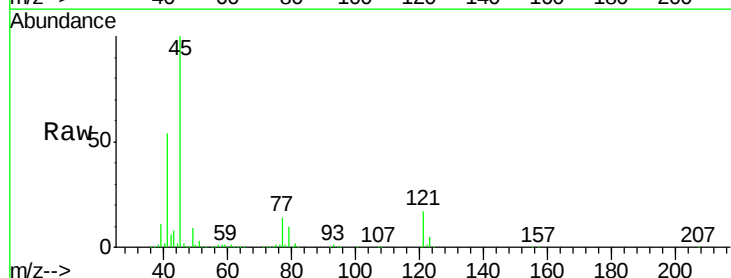
RT: 7.18 min Scan# 446

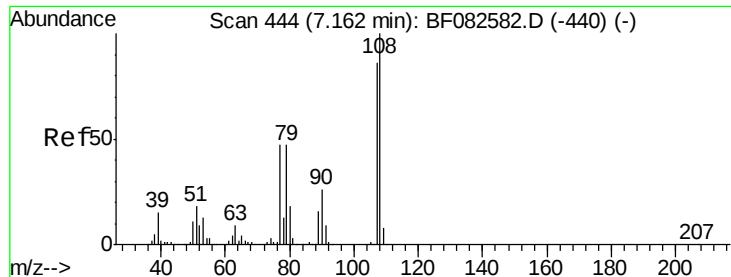
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	45	Resp:	957585
Ion Ratio	Lower	Upper	
45	100		
77	13.7	0.0	32.6
79	10.0	0.0	29.2





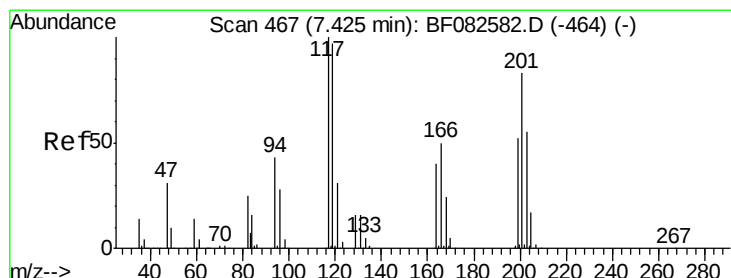
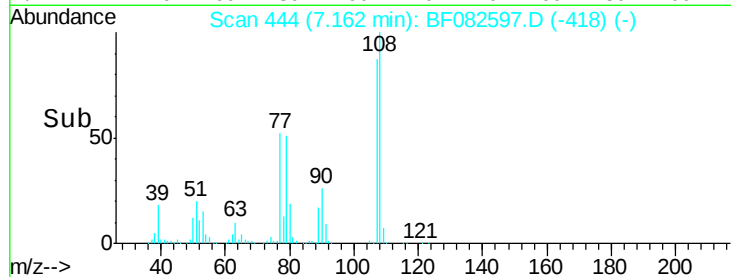
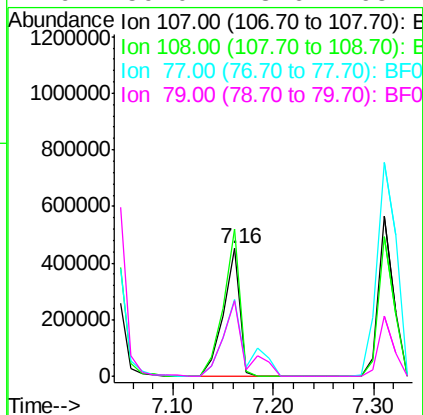
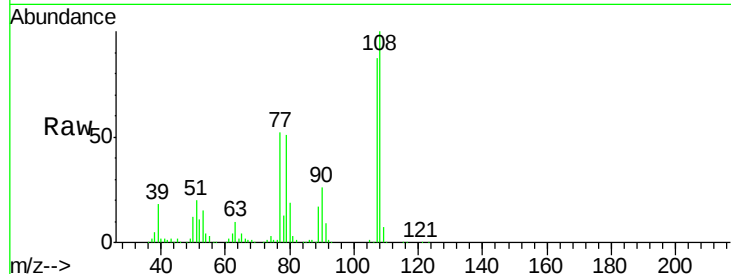
#17
2-Methylphenol
Concen: 41.91 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	509531		
108	115.3	93.0	139.4	
77	60.5	44.1	66.1	
79	59.0	43.6	65.4	

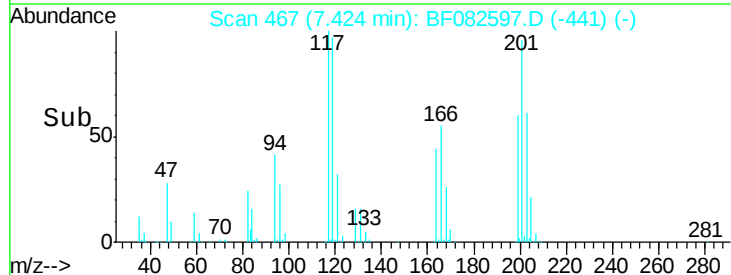
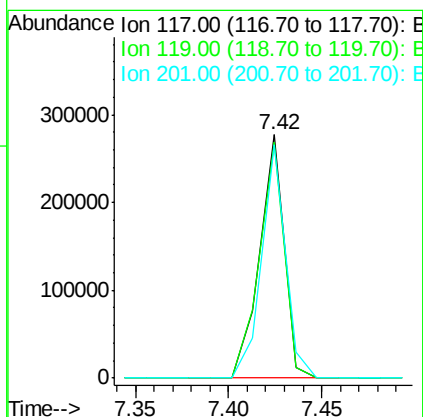
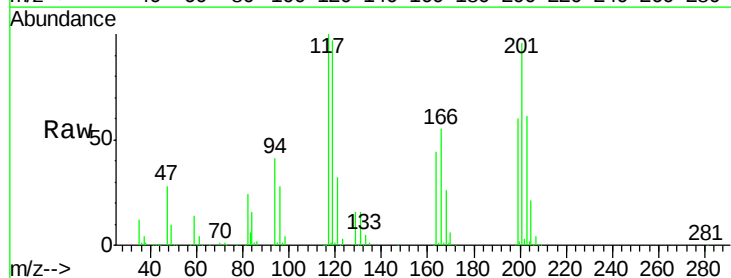
Manual Integrations
APPROVED

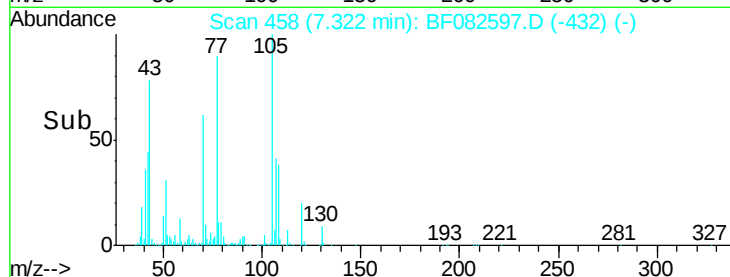
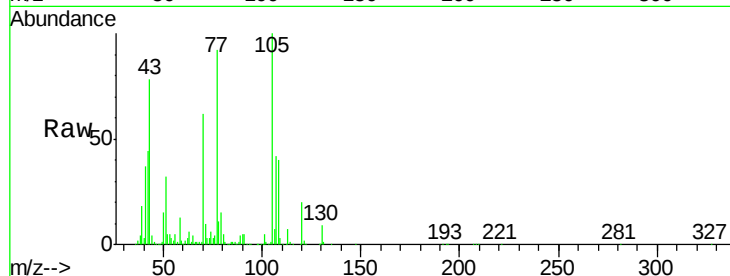
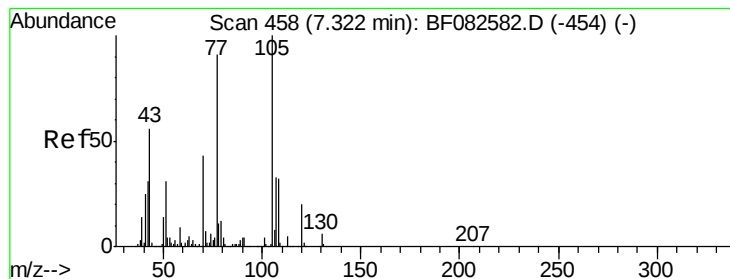
Mmdadoda
11/2/2015 4:32:14 PM



#18
Hexachloroethane
Concen: 39.94 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	252002		
119	96.7	77.7	116.5	
201	96.0	66.7	100.1	





#19

n-Nitroso-di-n-propylamine

Concen: 36.82 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

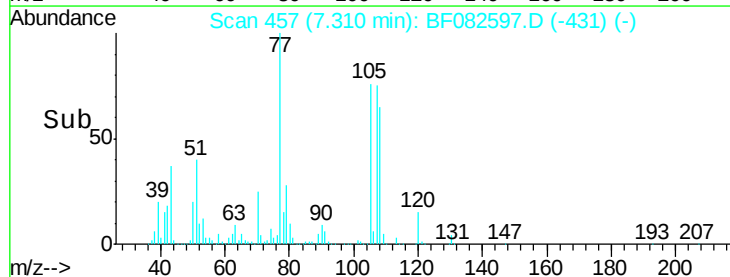
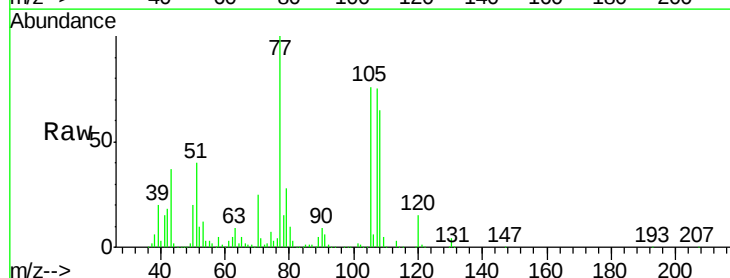
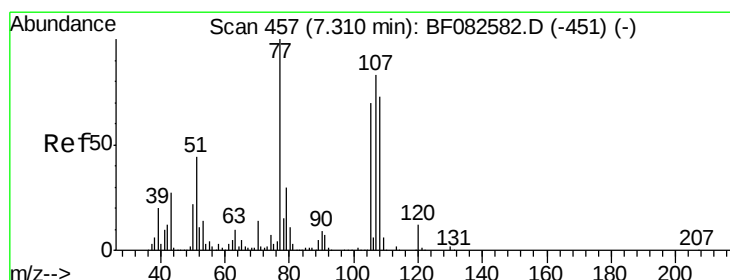
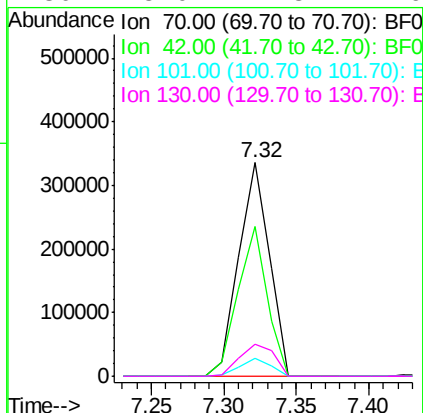
ClientSampleId :

PB86326BSD

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Tgt Ion	Ratio	Lower	Upper
70	100		
42	70.0	57.7	86.5
101	8.4	7.0	10.6
130	15.0	11.8	17.6



#20

3+4-Methylphenols

Concen: 37.40 ng

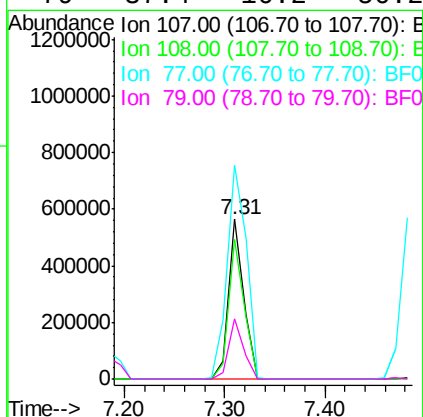
RT: 7.31 min Scan# 457

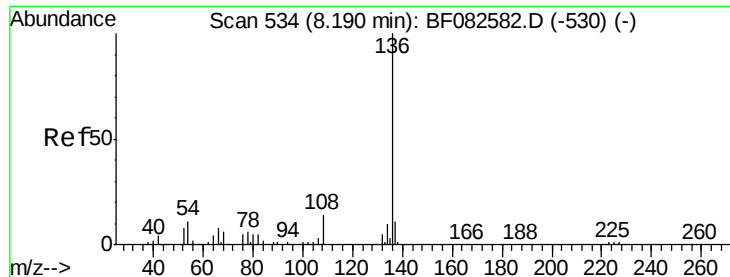
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.3	107.3
77	133.9	100.3	140.3
79	37.4	16.2	56.2





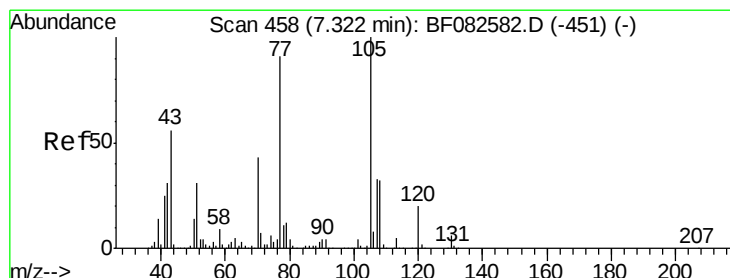
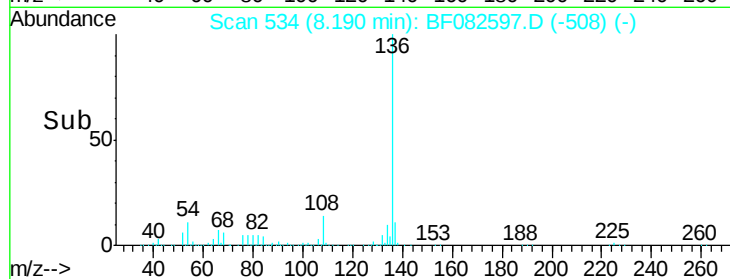
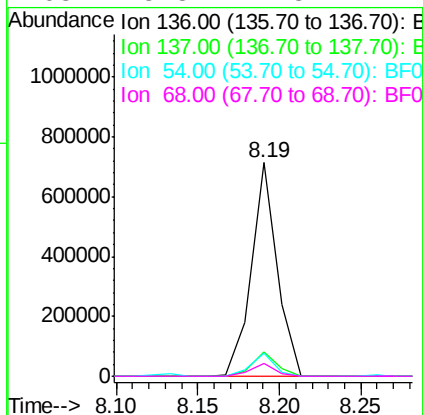
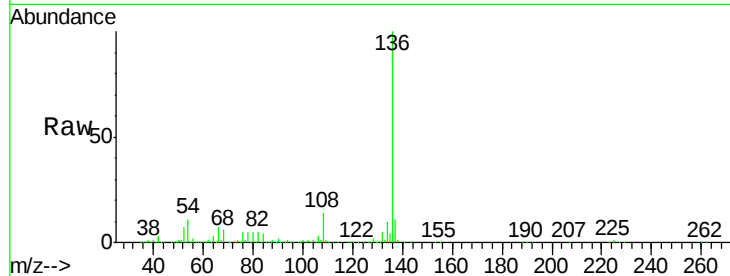
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt	Ion	Ratio	Resp	Lower	Upper
136	100		778938		
137	11.3		9.1	13.7	
54	10.6		9.1	13.7	
68	5.8		4.8	7.2	

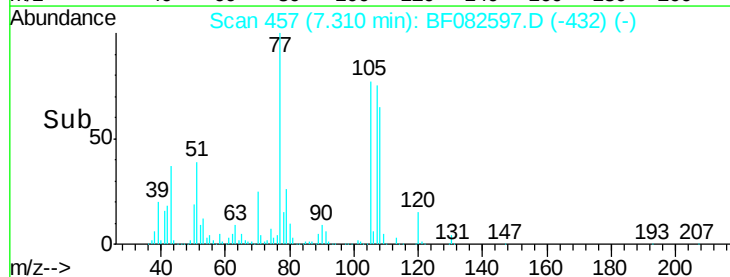
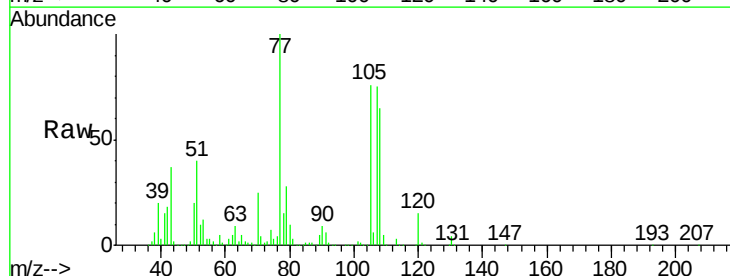
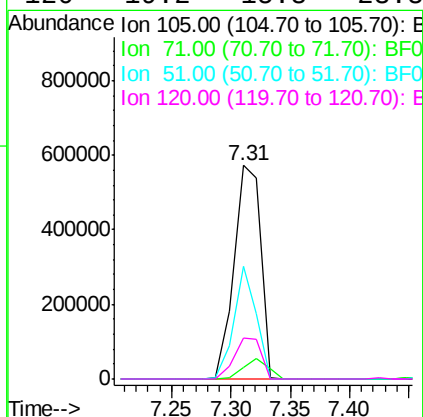
Manual Integrations
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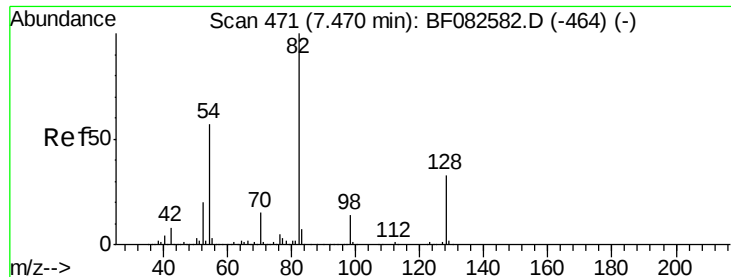
Mmdadoda
11/2/2015 4:32:14 PM



#22
Acetophenone
Concen: 38.98 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt	Ion	Ratio	Resp	Lower	Upper
105	100		894012		
71	5.6		5.6	8.4#	
51	52.6		24.9	37.3#	
120	19.2		15.8	23.8	





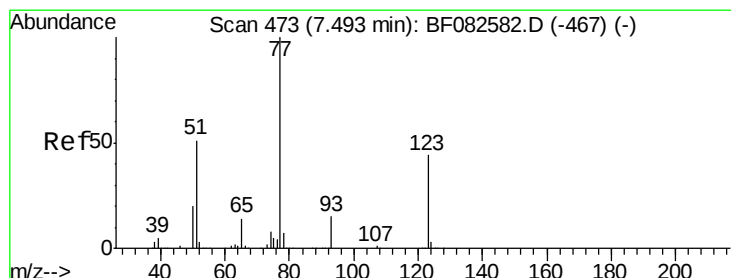
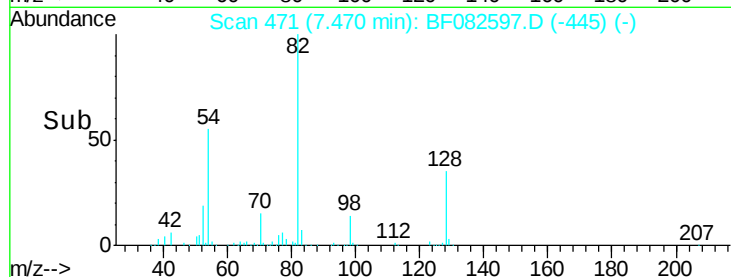
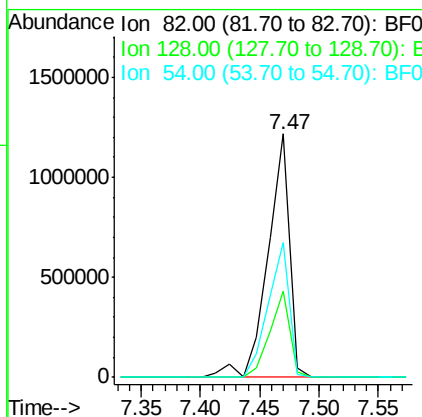
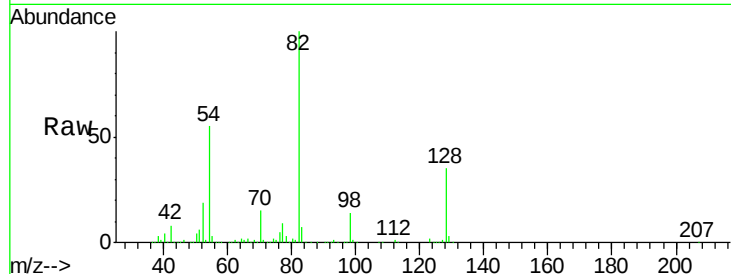
#23
 Nitrobenzene-d5
 Concen: 81.09 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Tgt Ion: 82 Resp: 1546768
 Ion Ratio Lower Upper
 82 100
 128 35.3 26.8 40.2
 54 55.3 45.7 68.5

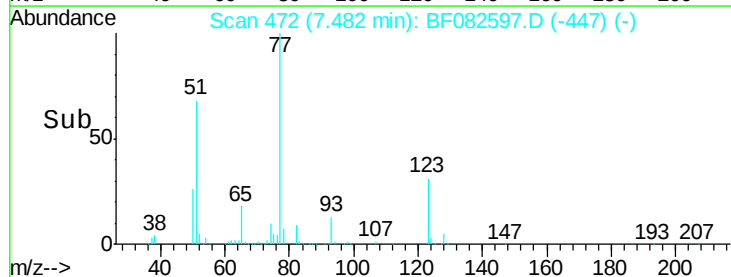
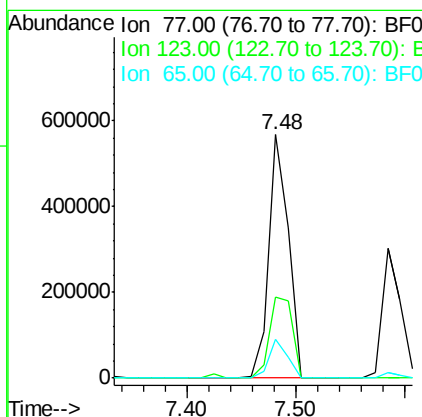
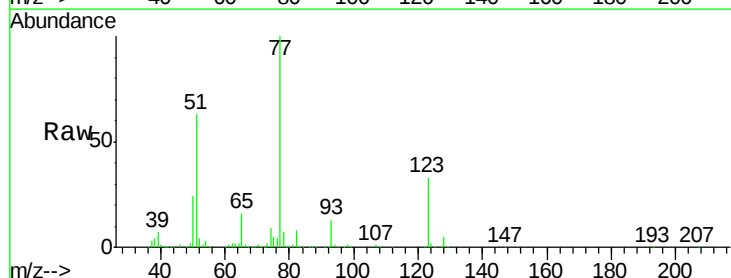
Manual Integrations
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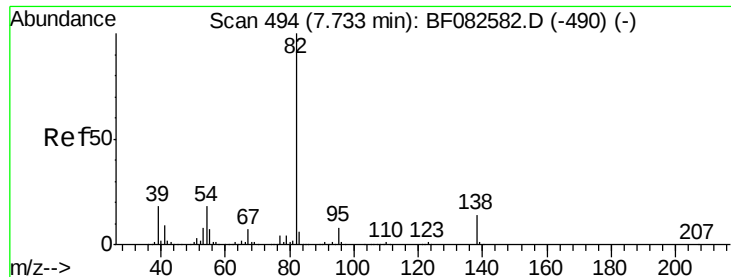
Mmdadoda
 11/2/2015 4:32:14 PM



#24
 Nitrobenzene
 Concen: 36.87 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion: 77 Resp: 710878
 Ion Ratio Lower Upper
 77 100
 123 33.1 36.4 54.6#
 65 15.9 11.5 17.3





#25

Isophorone

Concen: 38.33 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion: 82 Resp: 1345256

Ion Ratio Lower Upper

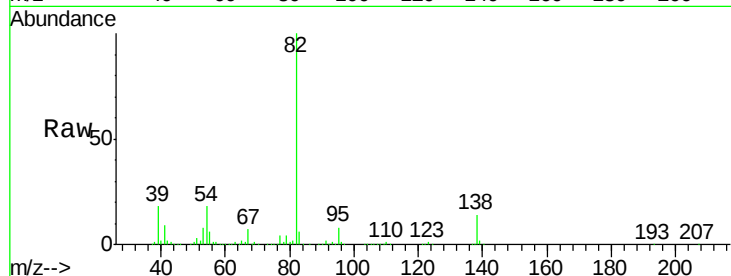
82 100

95 8.3 6.6 9.8

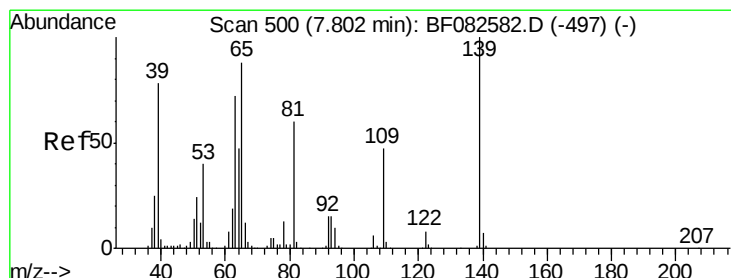
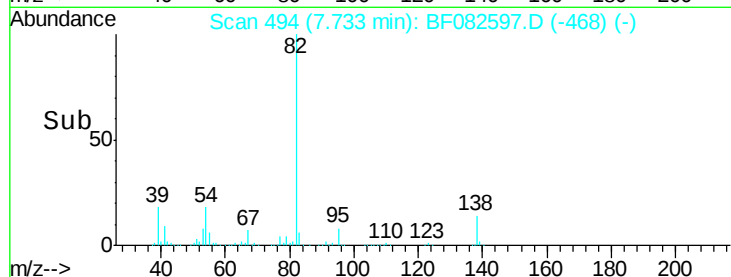
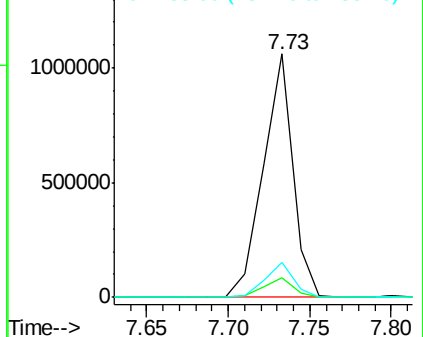
138 14.3 11.4 17.0

Manual Integrations
APPROVED

Mmdadoda
11/2/2015 4:32:14 PM



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



#26

2-Nitrophenol

Concen: 37.80 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

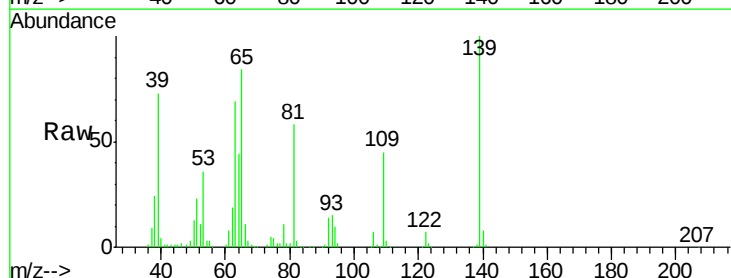
Tgt Ion: 139 Resp: 266205

Ion Ratio Lower Upper

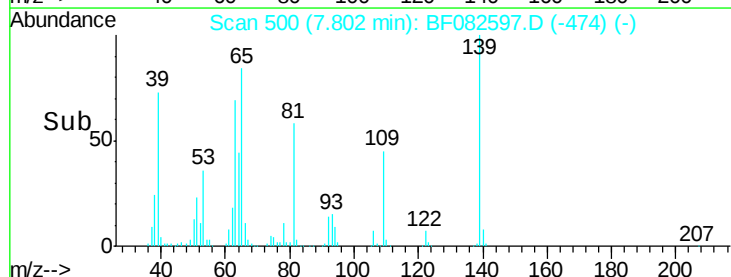
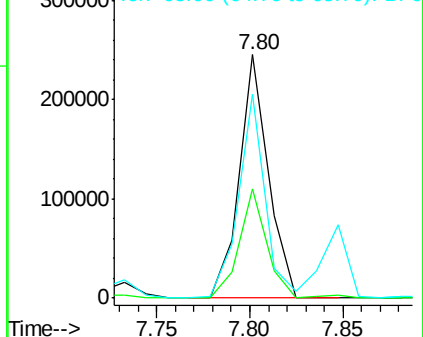
139 100

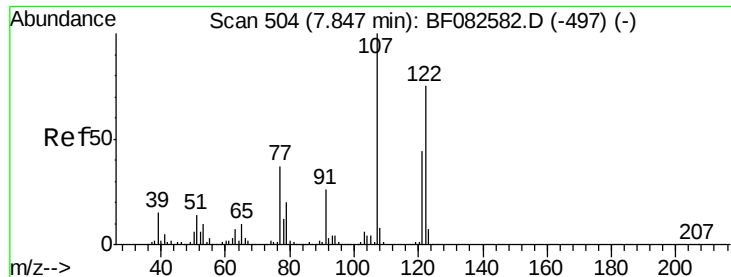
109 44.6 37.6 56.4

65 83.7 70.6 105.8



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





#27

2,4-Dimethylphenol

Concen: 39.72 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

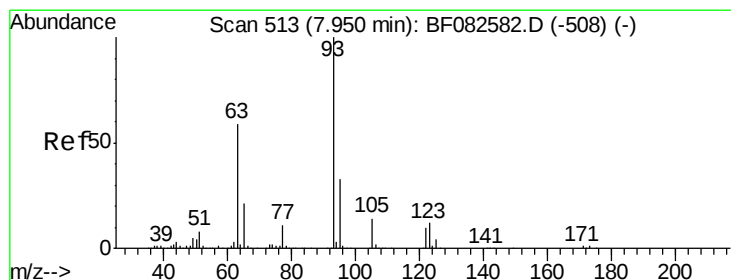
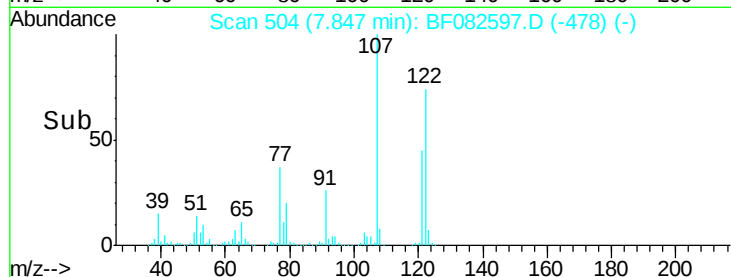
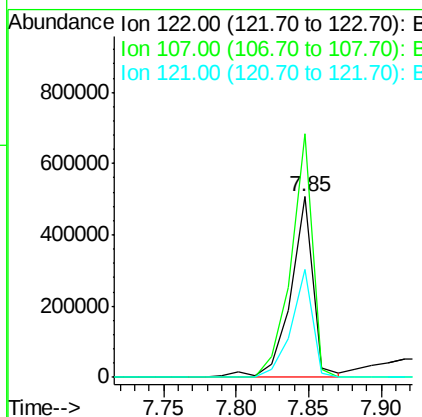
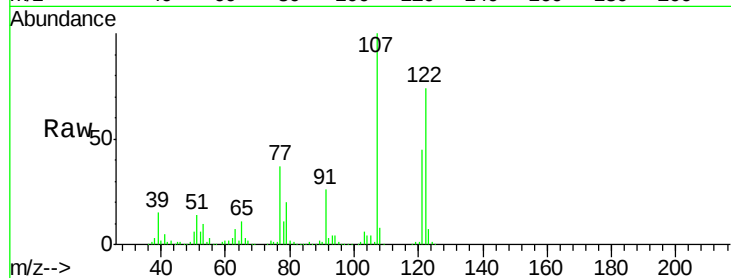
ClientSampleId :

PB86326BSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	134.8	106.0	159.0
121	60.0	46.7	70.1

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#28

bis(2-Chloroethoxy)methane

Concen: 37.62 ng

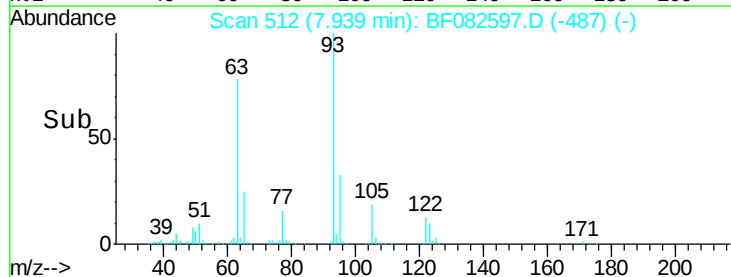
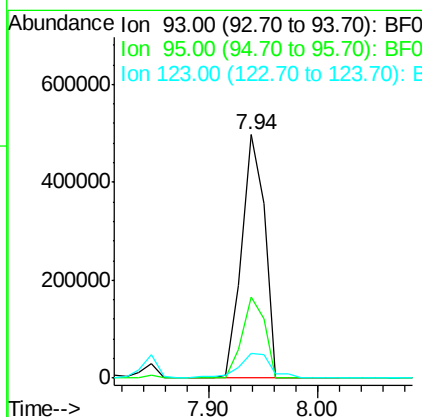
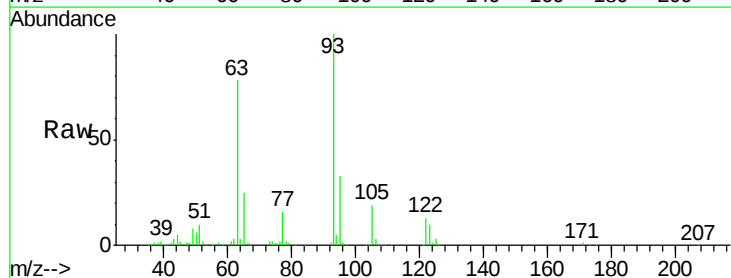
RT: 7.94 min Scan# 512

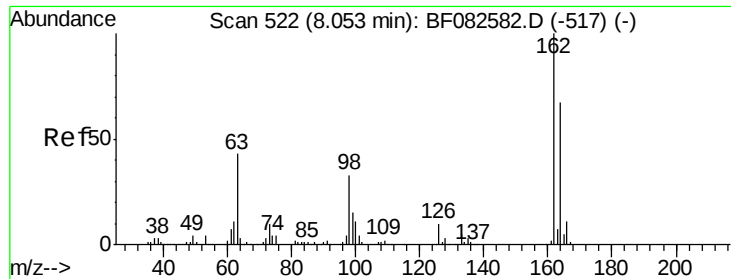
Delta R.T. -0.01 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	40.0
123	10.1	9.7	14.5





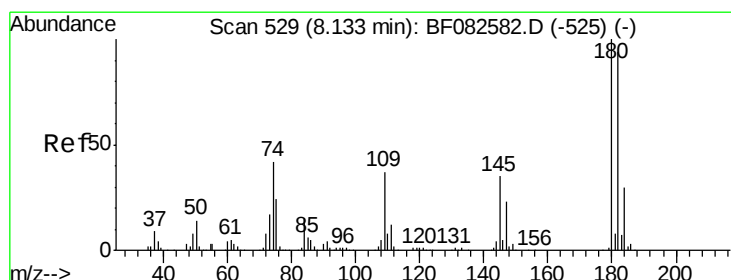
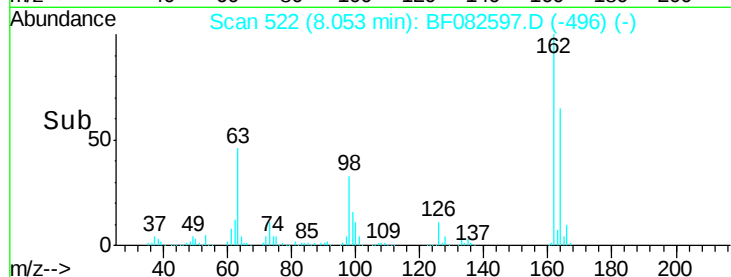
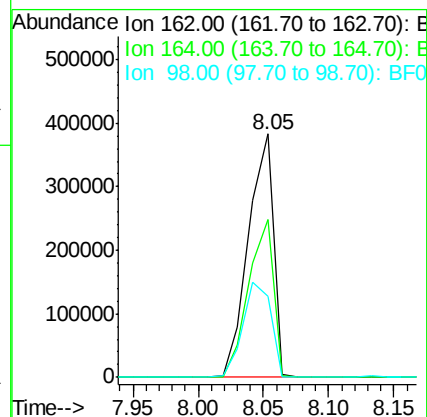
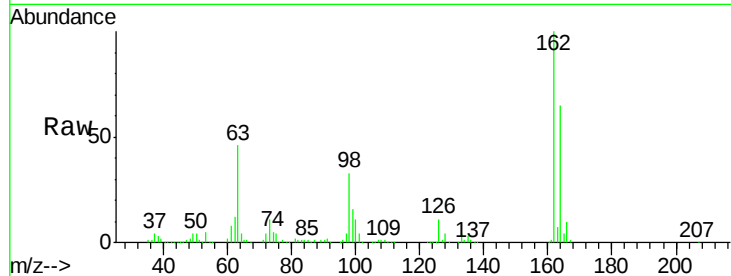
#29
2,4-Dichlorophenol
Concen: 40.95 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.1	46.8	86.8
98	33.4	12.5	52.5

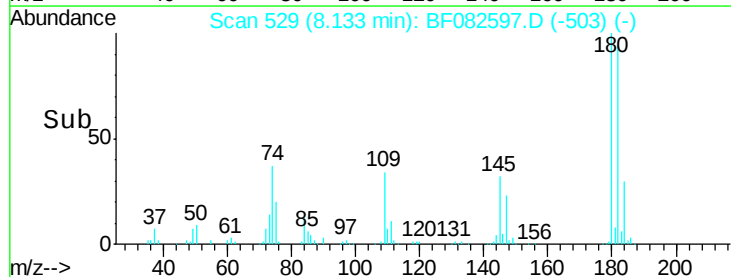
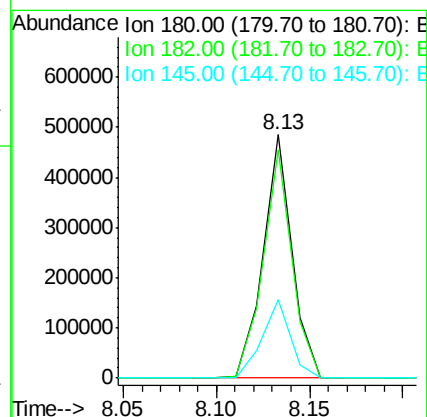
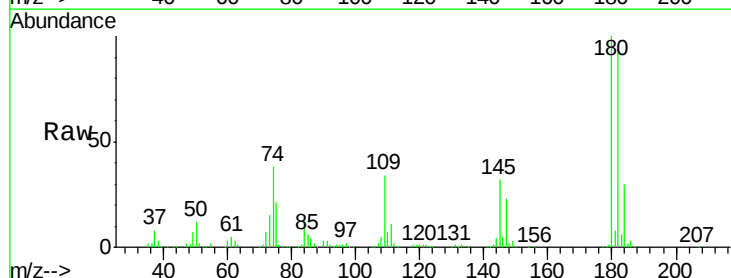
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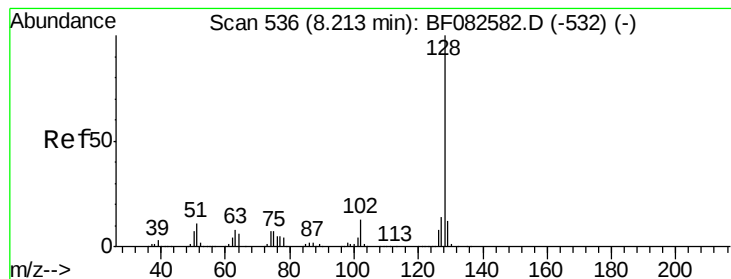
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#30
1,2,4-Trichlorobenzene
Concen: 37.18 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.7	74.9	112.3
145	32.0	27.8	41.8





#31

Naphthalene

Concen: 36.00 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF082597.D

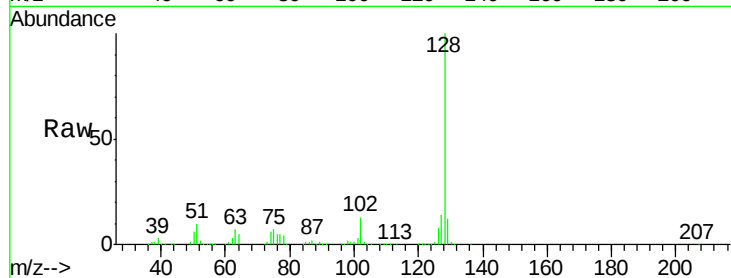
Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD



Tgt Ion:128 Resp: 1517429

Ion Ratio Lower Upper

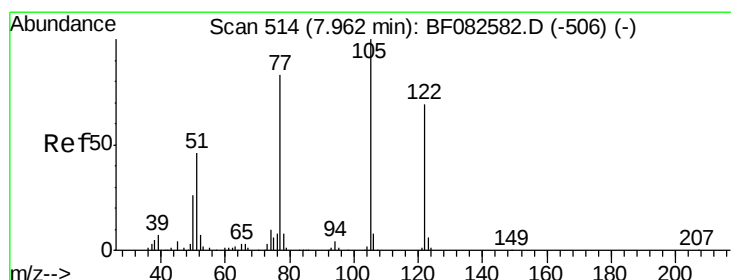
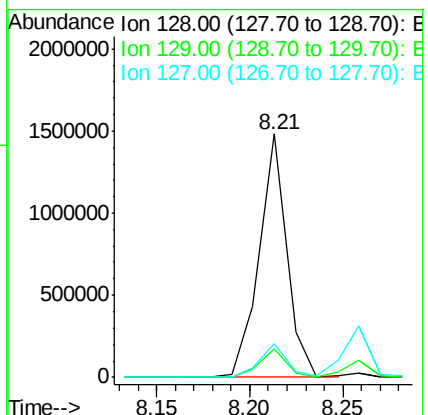
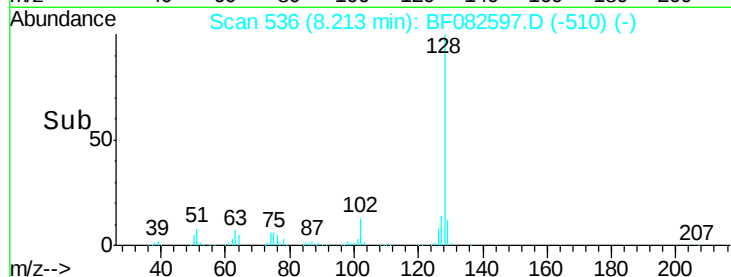
128 100

129 11.8 9.5 14.3

127 14.0 11.4 17.0

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#32

Benzoic acid

Concen: 39.06 ng

RT: 7.97 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

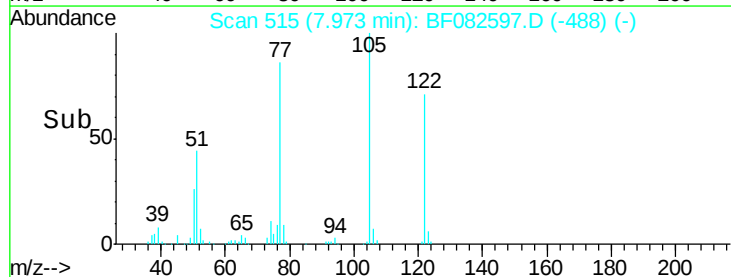
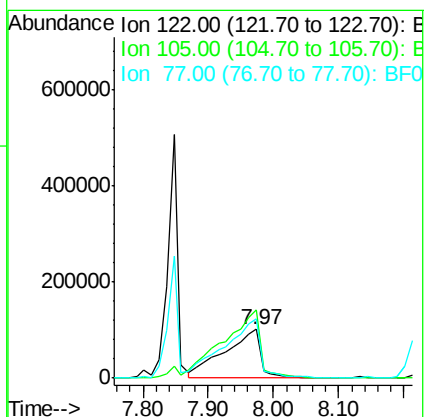
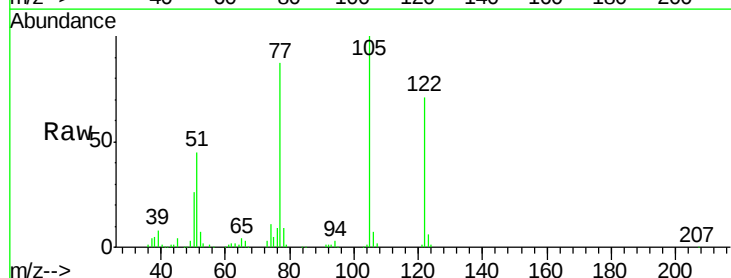
Tgt Ion:122 Resp: 389625

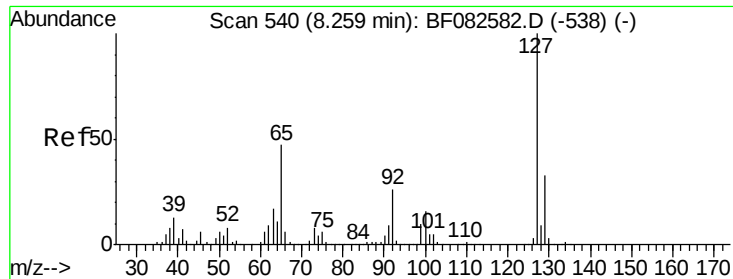
Ion Ratio Lower Upper

122 100

105 141.0 122.6 162.6

77 122.2 100.9 140.9





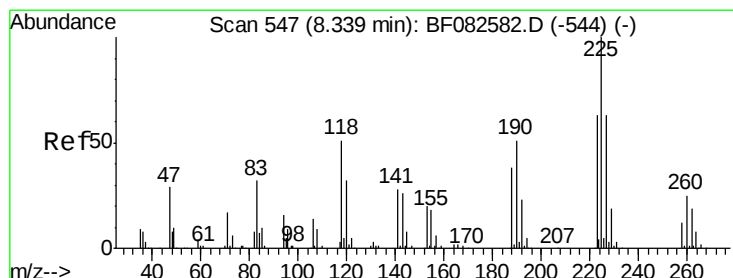
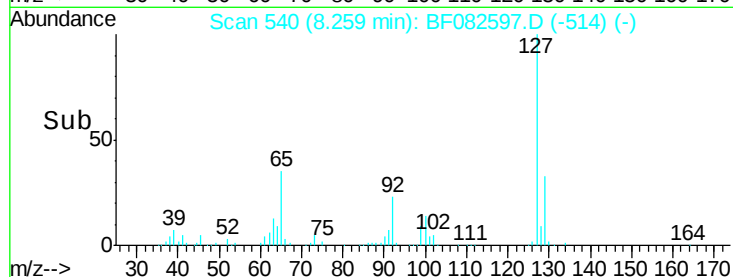
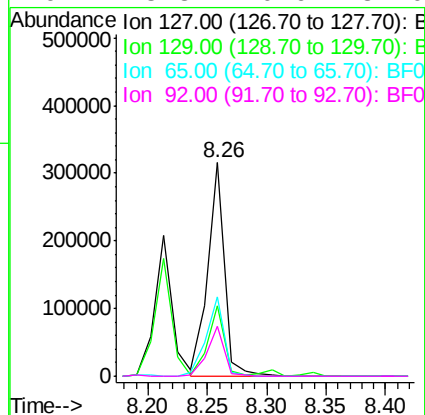
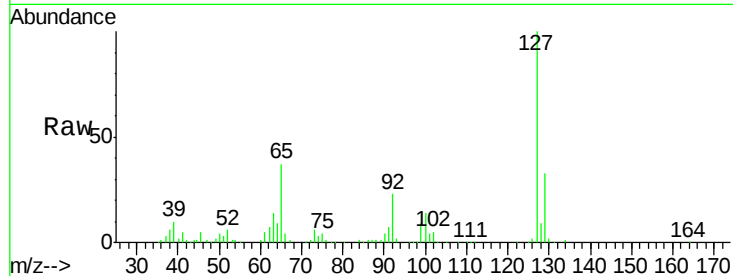
#33
4-Chloroaniline
Concen: 17.27 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	32.8	26.3	39.5
65	36.9	37.8	56.8
92	23.3	20.6	31.0

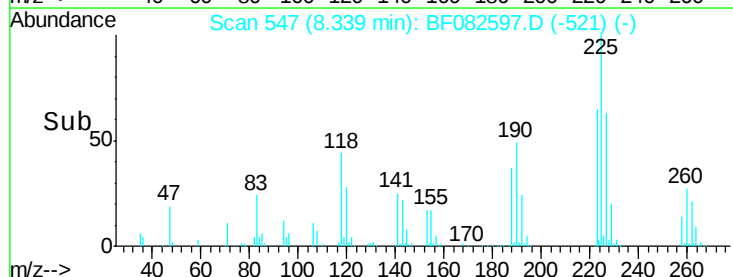
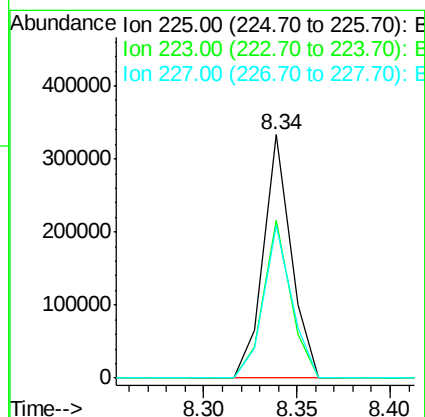
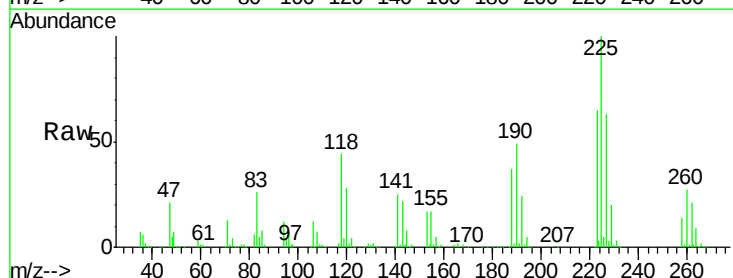
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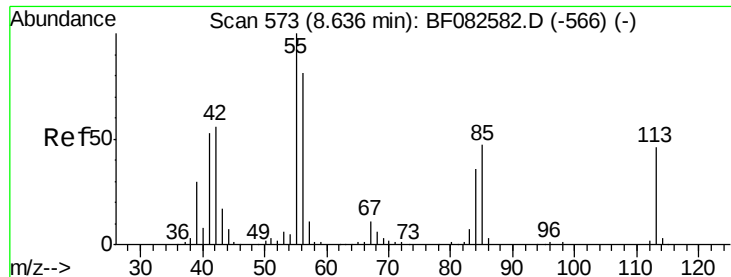
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#34
Hexachlorobutadiene
Concen: 38.78 ng
RT: 8.34 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	65.1	50.5	75.7
227	62.6	50.2	75.2





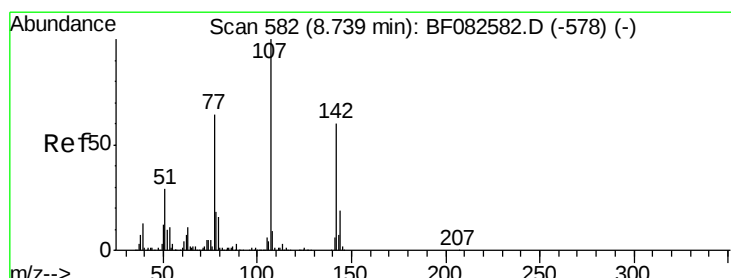
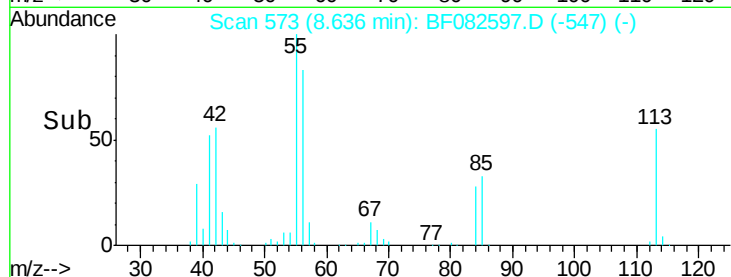
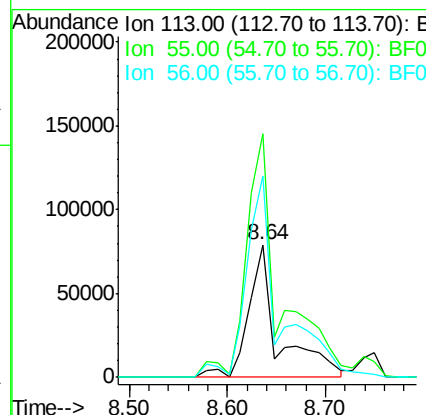
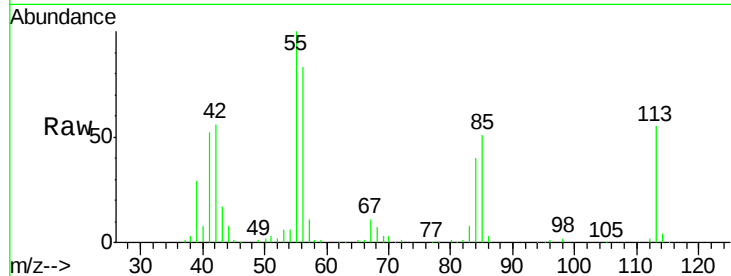
#35
 Caprolactam
 Concen: 43.17 ng m
 RT: 8.64 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	183.2	195.5	235.5#	
56	151.2	153.5	193.5#	

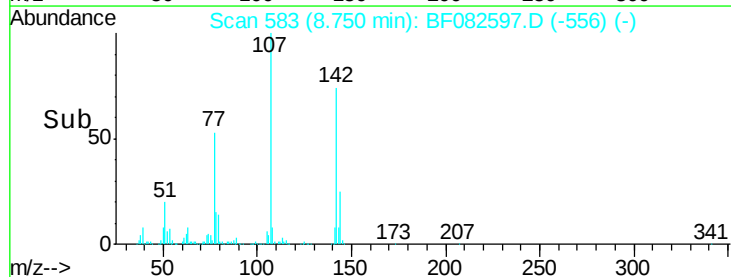
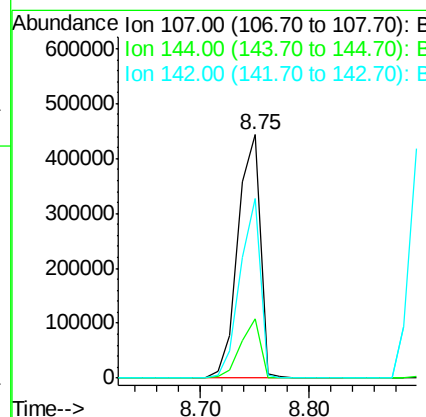
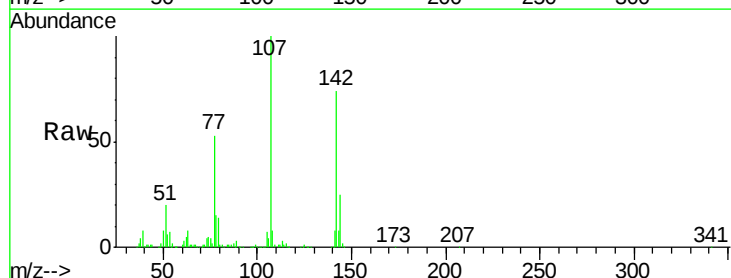
Manual Integrations
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#36
 4-Chloro-3-methylphenol
 Concen: 41.93 ng
 RT: 8.75 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	24.5	15.4	23.0#	
142	73.7	47.8	71.8#	





#37

2-Methylnaphthalene

Concen: 42.36 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:142 Resp: 1156994

Ion Ratio Lower Upper

142 100

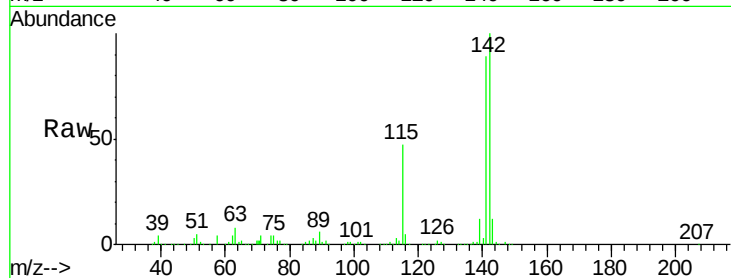
141 88.9 72.3 108.5

115 46.9 38.1 57.1

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

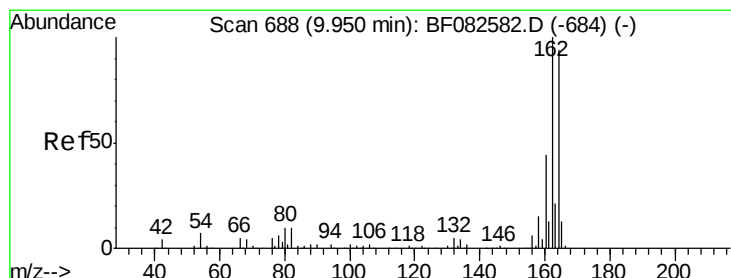
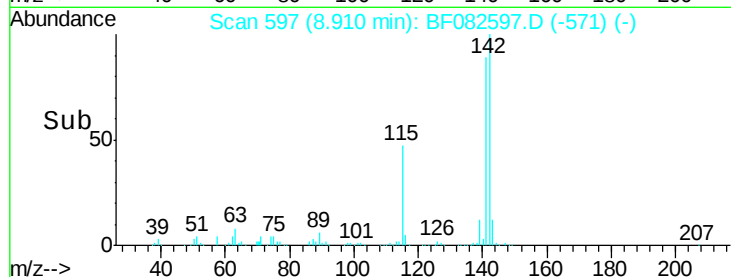
8.91

1000000

500000

0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

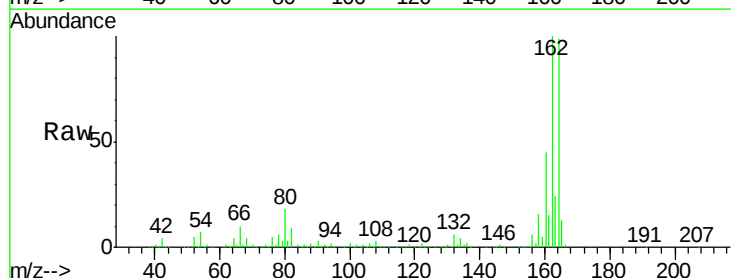
Tgt Ion:164 Resp: 428137

Ion Ratio Lower Upper

164 100

162 100.5 84.9 127.3

160 45.7 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.95

600000

500000

400000

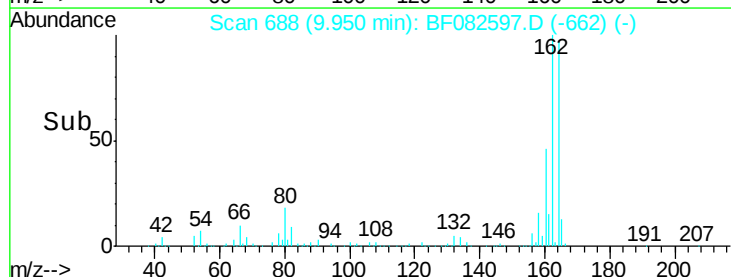
300000

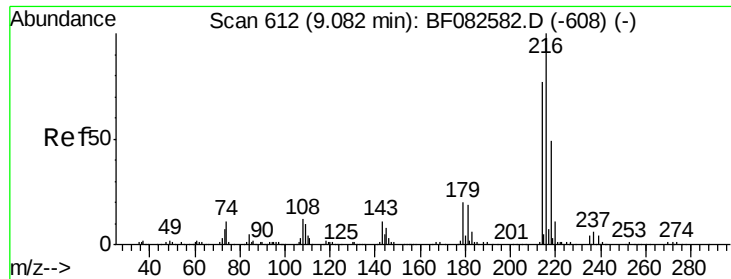
200000

100000

0

Time-->





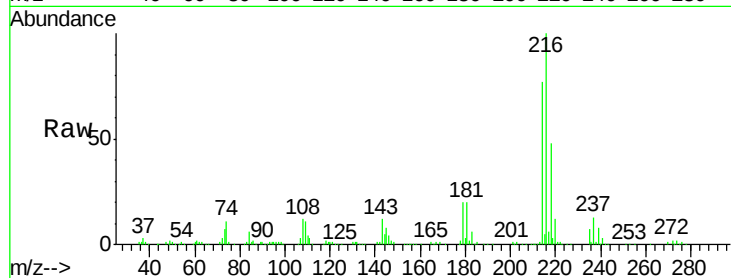
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.84 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

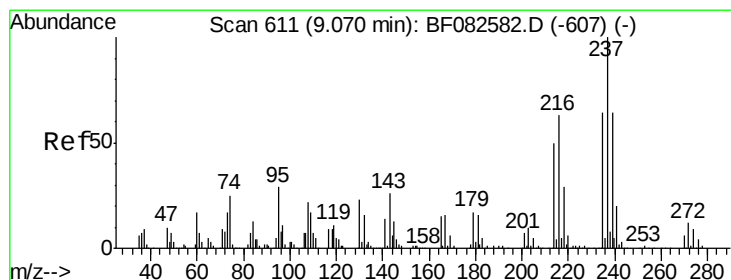
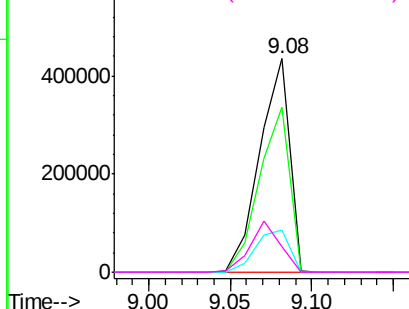
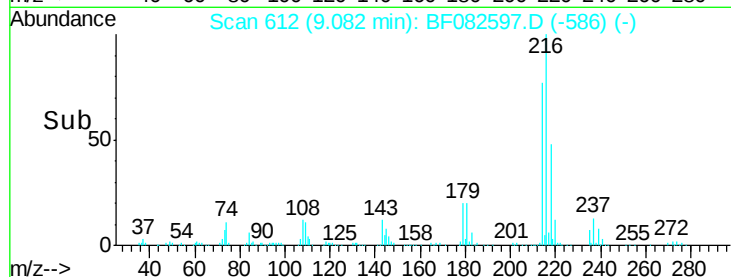
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Tgt Ion	Ratio	Resp	Lower	Upper
216	100	554836		
214	78.1	62.2	93.2	
179	22.2	18.1	27.1	
108	23.8	16.6	25.0	

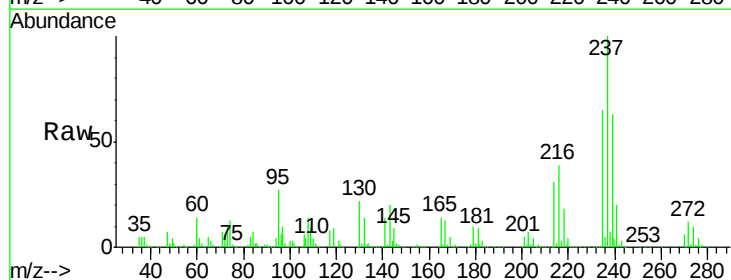


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

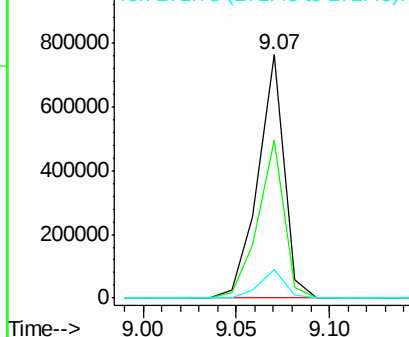
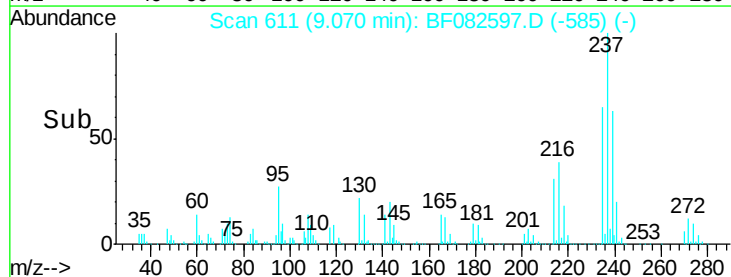


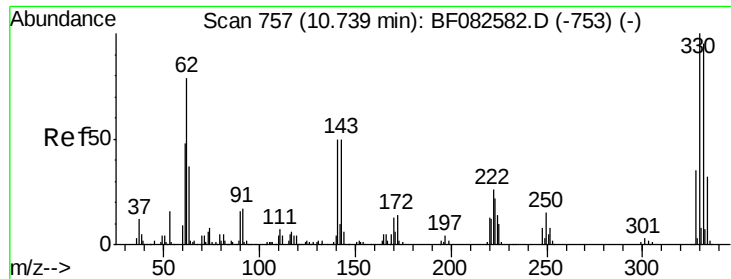
#40
 Hexachlorocyclopentadiene
 Concen: 84.13 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	755657		
235	65.0	44.3	84.3	
272	11.8	0.0	31.9	



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





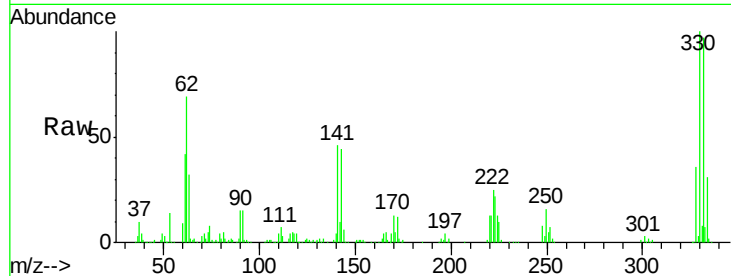
#41
 2,4,6-Tribromophenol
 Concen: 77.64 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

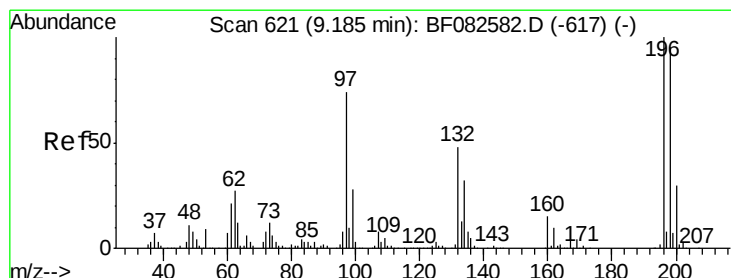
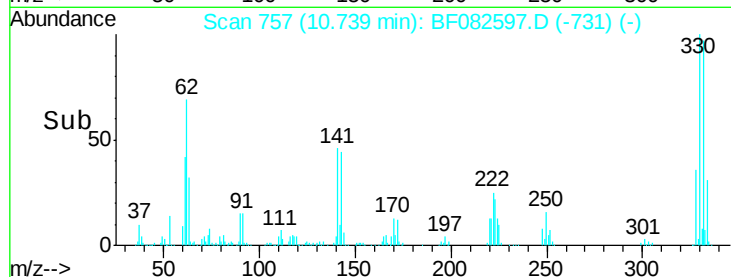
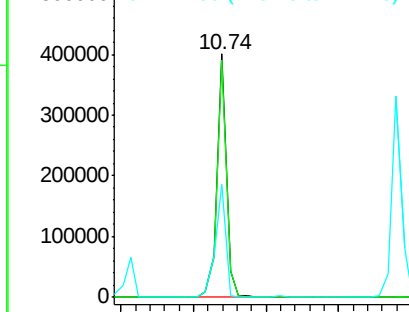
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	363780		
332	97.8	76.6	114.8	
141	50.9	41.2	61.8	

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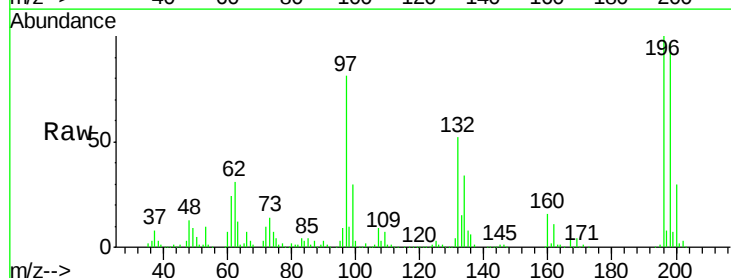


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

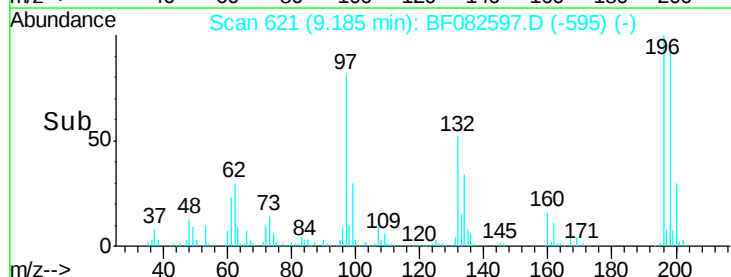
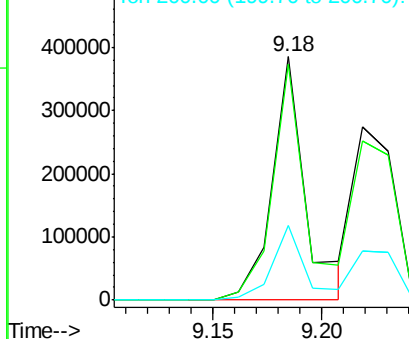


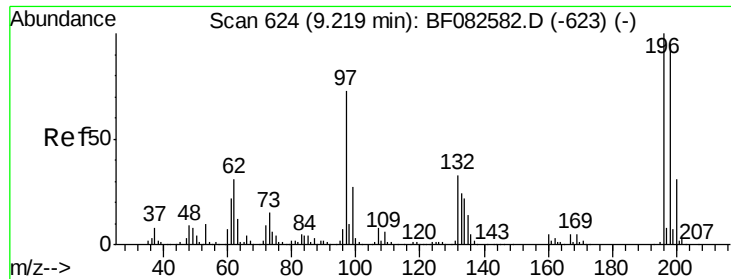
#42
 2,4,6-Trichlorophenol
 Concen: 40.12 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	413858		
198	96.7	76.3	114.5	
200	30.5	23.9	35.9	



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





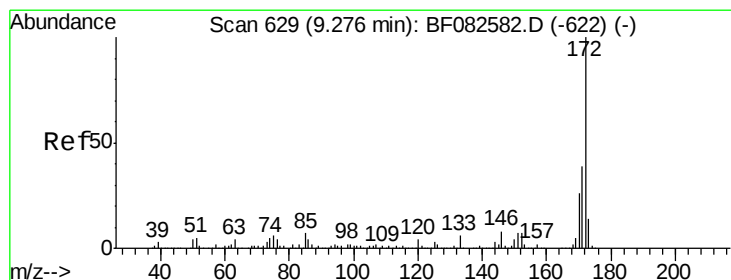
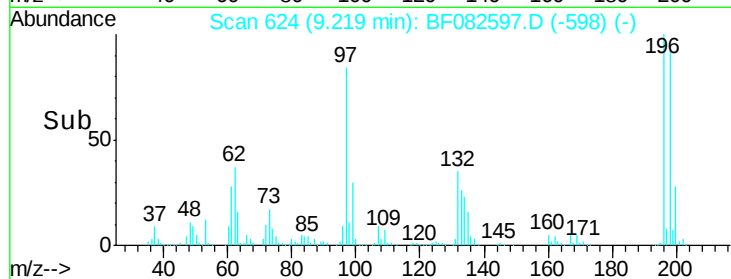
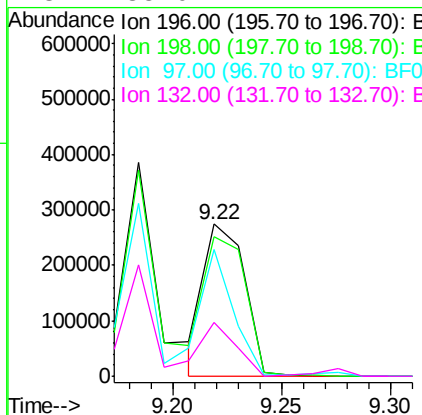
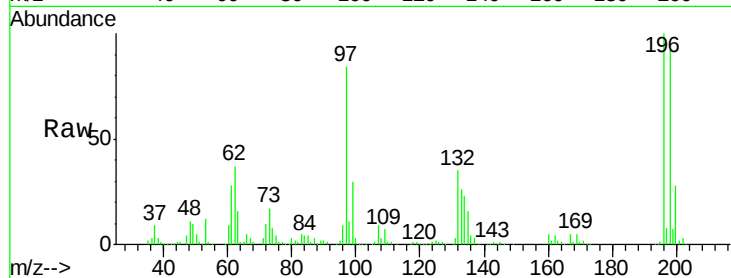
#43
 2,4,5-Trichlorophenol
 Concen: 34.47 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

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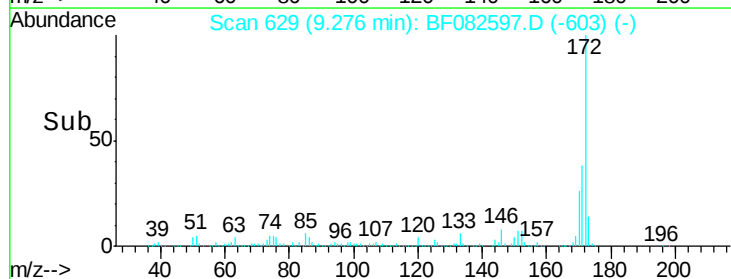
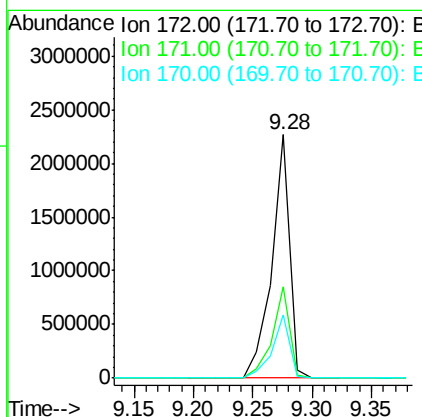
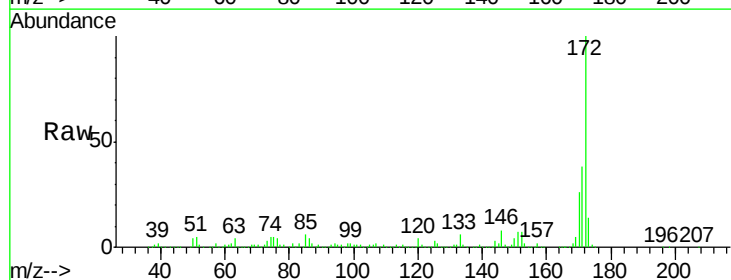
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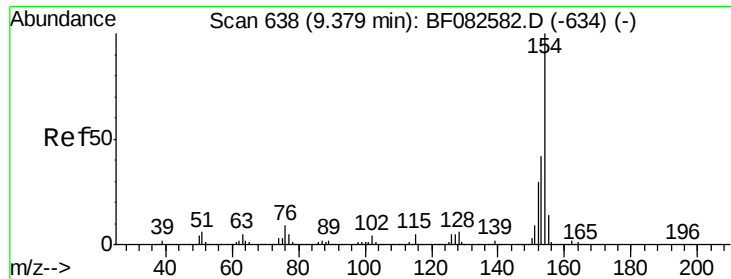
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	354336		
198	92.0	75.8	113.8	
97	83.8	62.3	93.5	
132	35.0	27.4	41.2	



#44
 2-Fluorobiphenyl
 Concen: 78.74 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2374266		
171	37.6	30.8	46.2	
170	26.0	21.2	31.8	





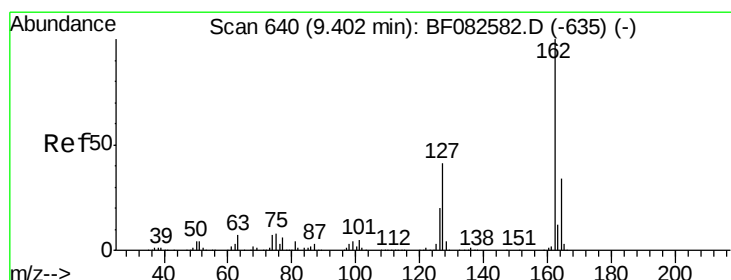
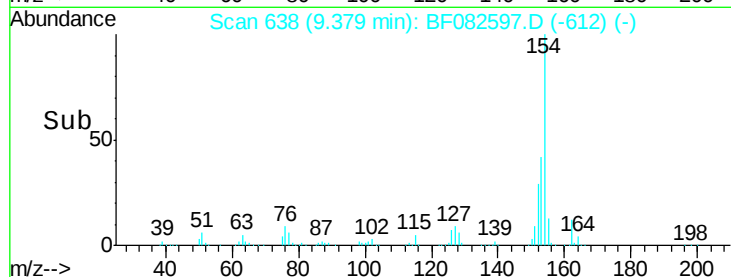
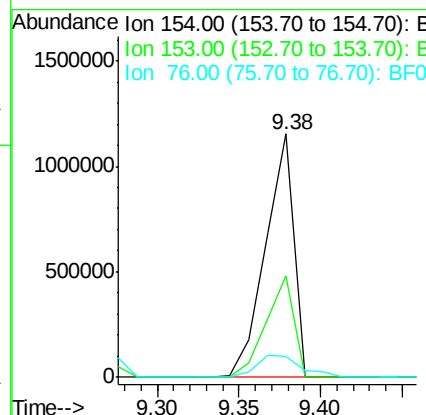
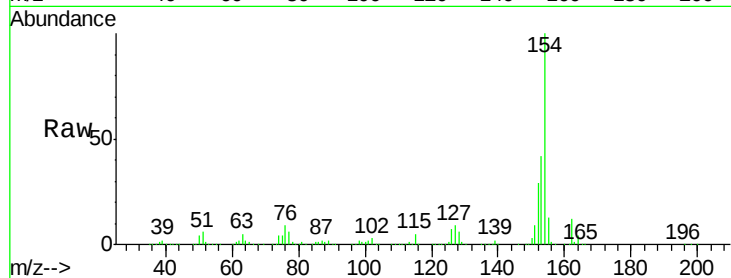
#45
 1,1'-Biphenyl
 Concen: 38.52 ng
 RT: 9.38 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	22.0	62.0
76	8.8	0.0	29.0

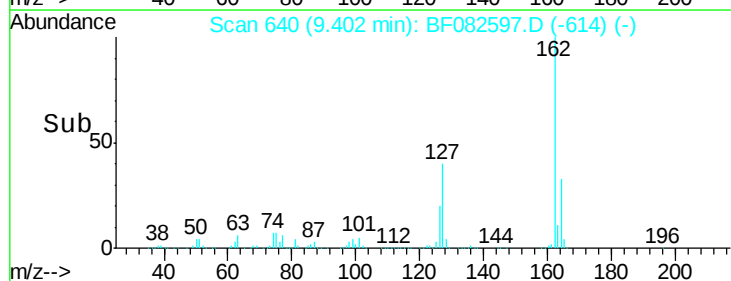
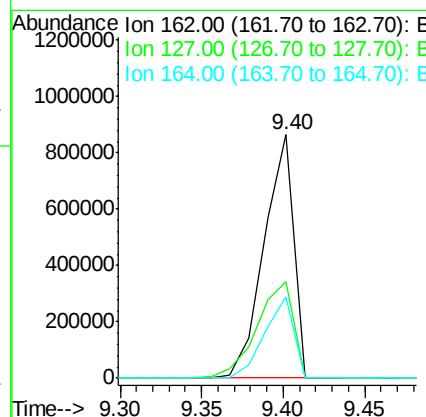
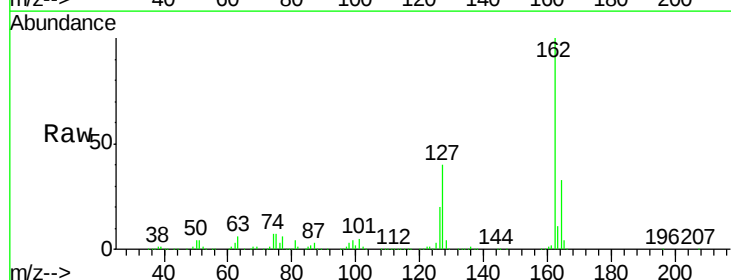
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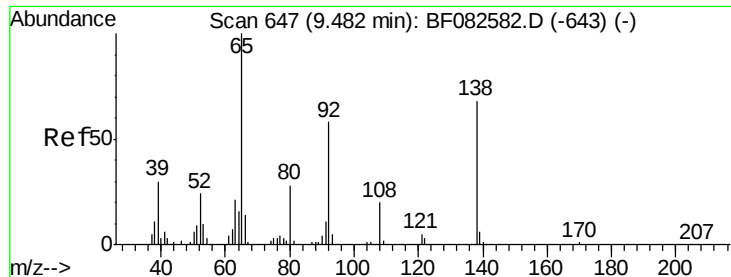
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#46
 2-Chloronaphthalene
 Concen: 38.65 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.7	32.7	49.1
164	33.3	27.4	41.0





#47

2-Nitroaniline

Concen: 35.20 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

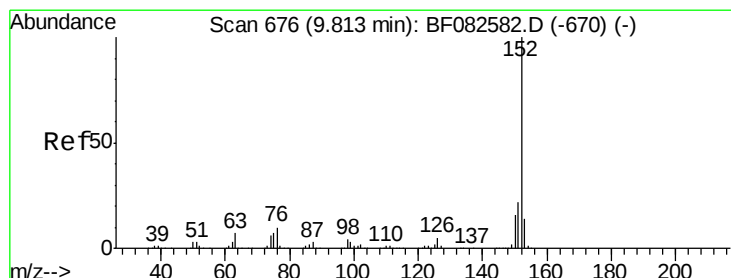
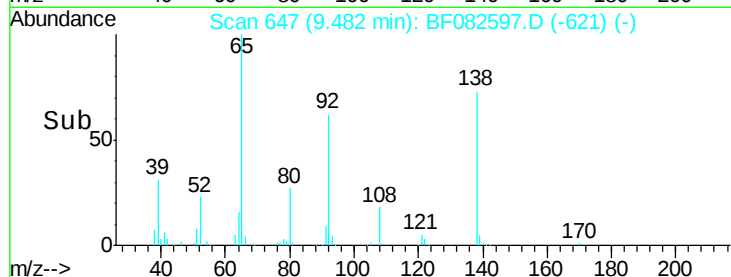
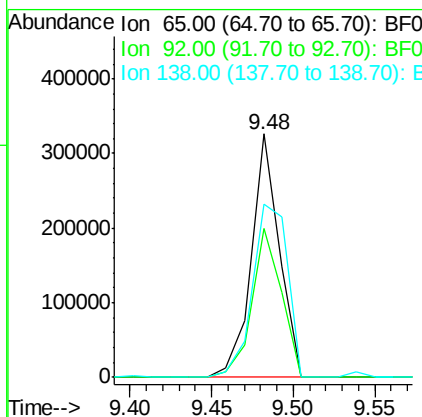
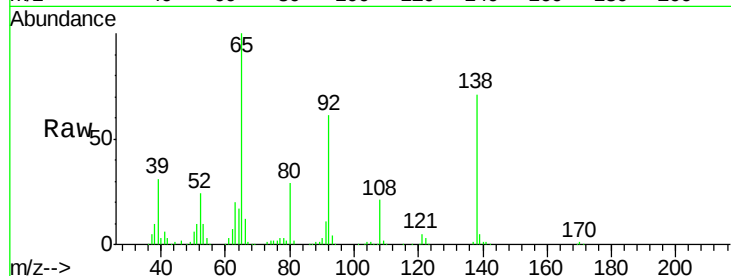
ClientSampleId :

PB86326BSD

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Tgt Ion:	65	Resp:	386428
Ion Ratio	Lower	Upper	
65	100		
92	61.0	46.6	70.0
138	71.2	54.6	81.8



#48

Acenaphthylene

Concen: 37.87 ng

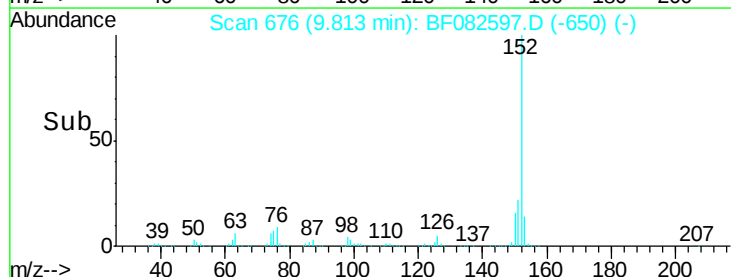
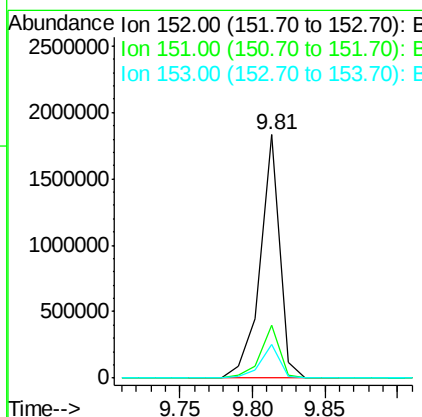
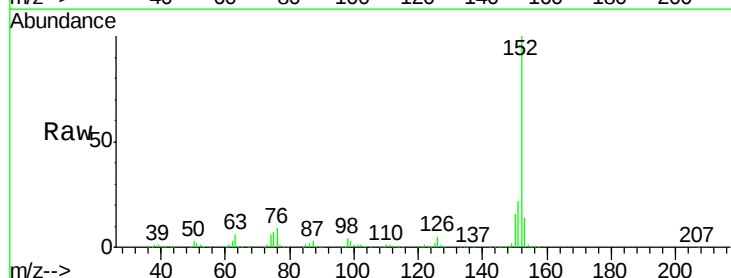
RT: 9.81 min Scan# 676

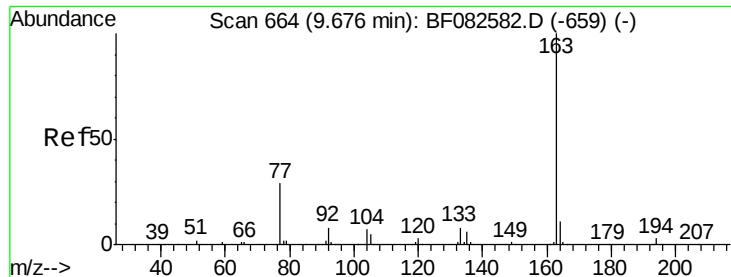
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	152	Resp:	1710425
Ion Ratio	Lower	Upper	
152	100		
151	21.8	17.3	25.9
153	13.7	11.3	16.9





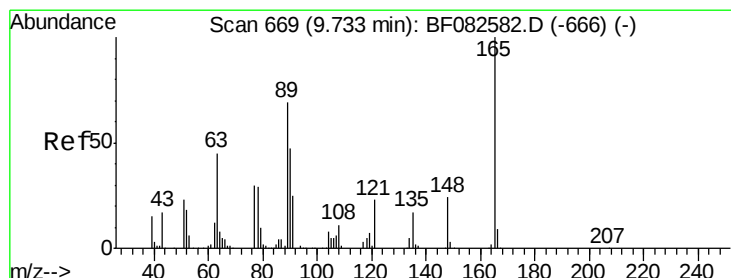
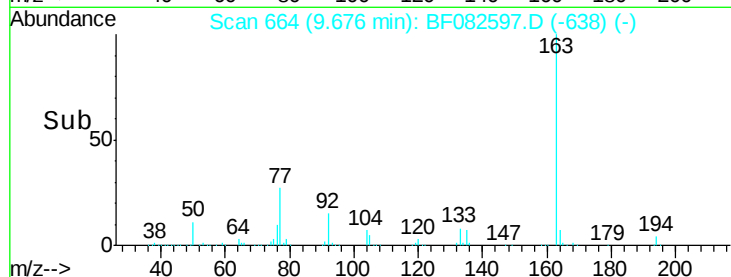
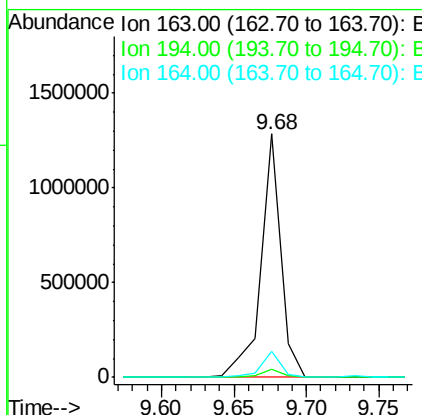
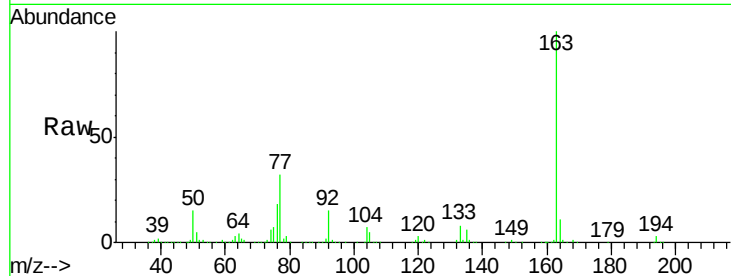
#49
Dimethylphthalate
Concen: 35.00 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion:163 Resp: 1223725
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.6 8.7 13.1

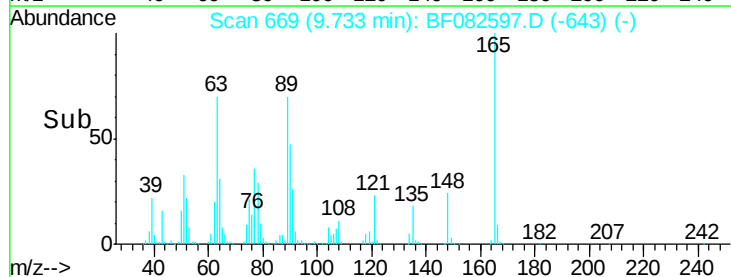
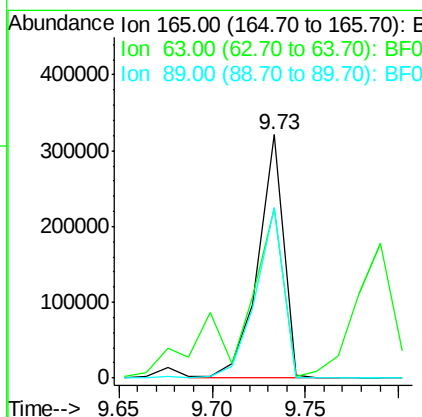
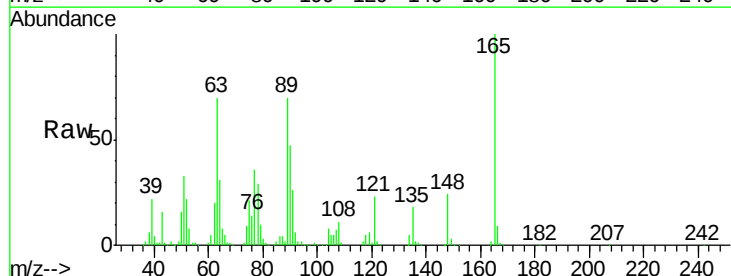
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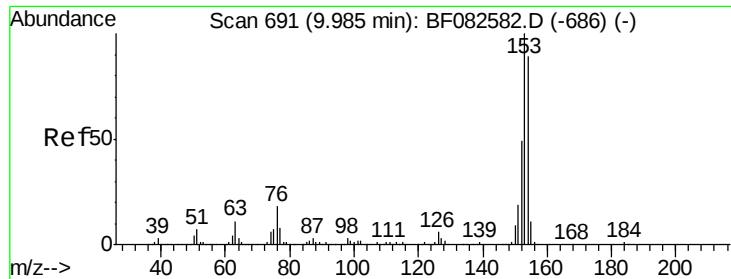
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#50
2,6-Dinitrotoluene
Concen: 41.88 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion:165 Resp: 303526
Ion Ratio Lower Upper
165 100
63 69.7 55.5 83.3
89 70.1 55.0 82.6





#51

Acenaphthene

Concen: 41.99 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:154 Resp: 1204093

Ion Ratio Lower Upper

154 100

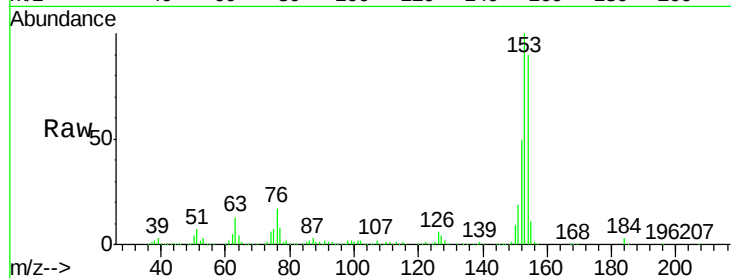
153 111.0 90.1 135.1

152 55.5 44.3 66.5

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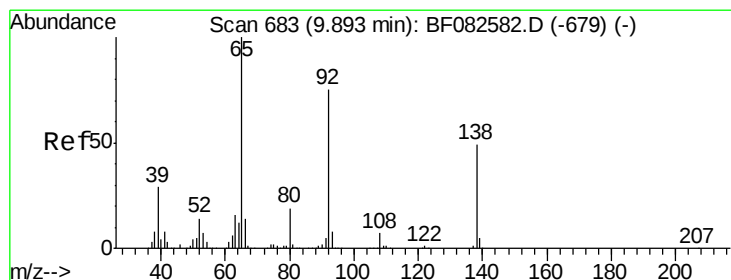
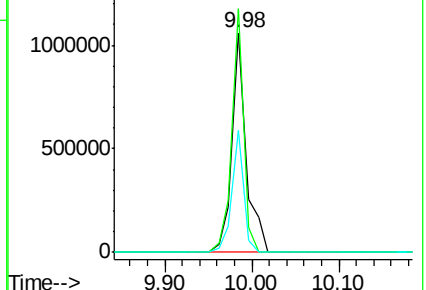
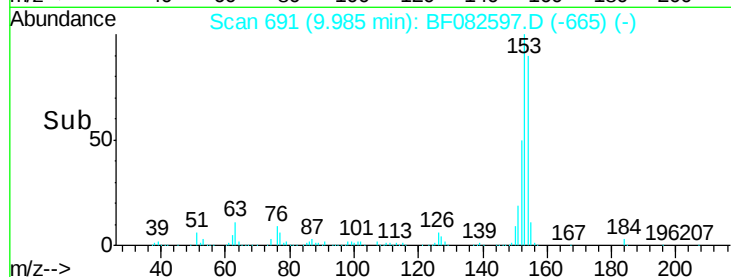
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.11 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

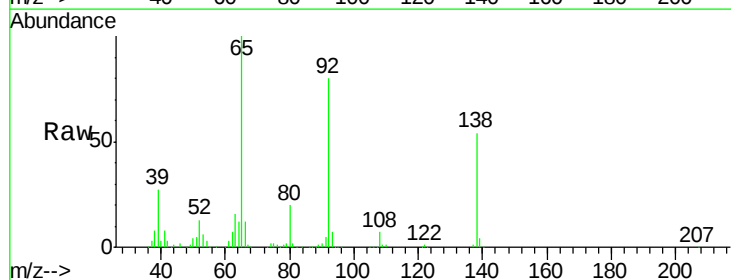
Tgt Ion:138 Resp: 162168

Ion Ratio Lower Upper

138 100

108 12.1 11.3 16.9

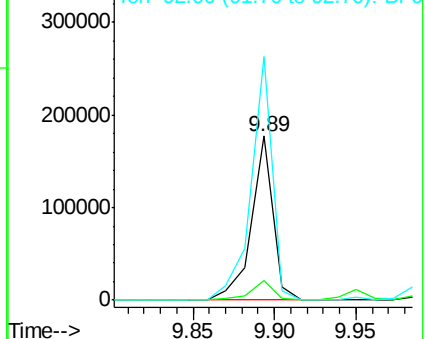
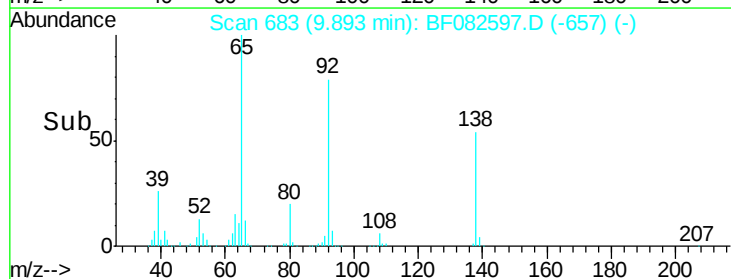
92 148.4 122.4 183.6

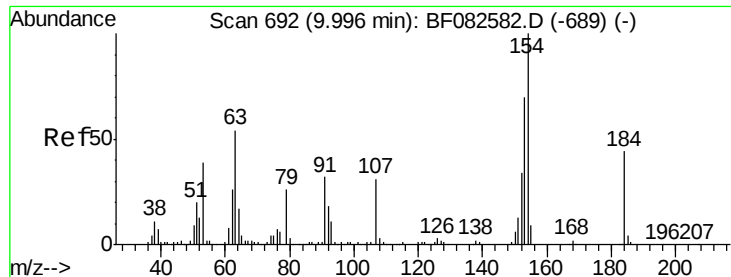


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





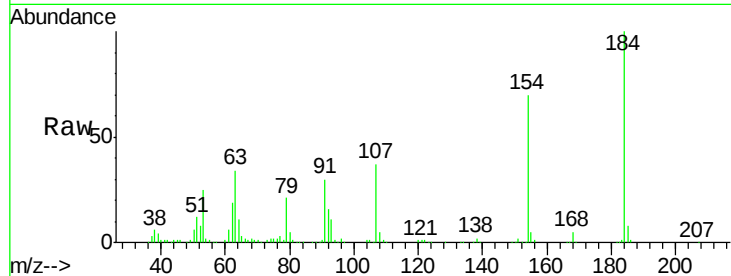
#53
2,4-Dinitrophenol
Concen: 81.79 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

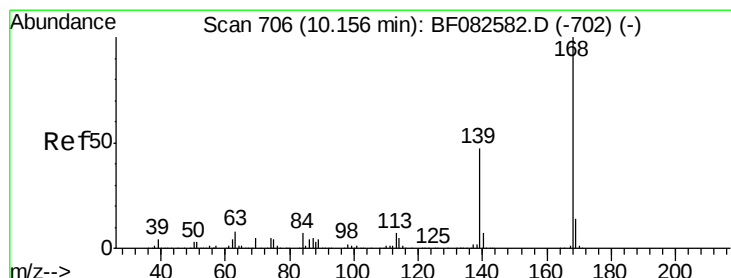
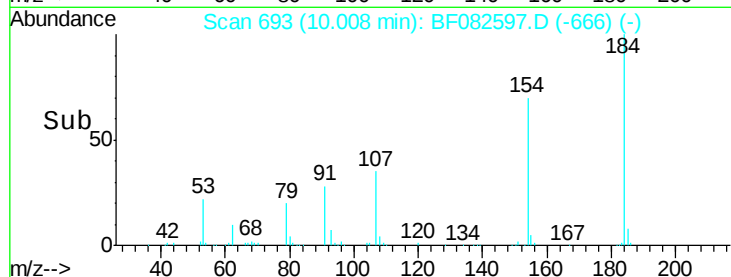
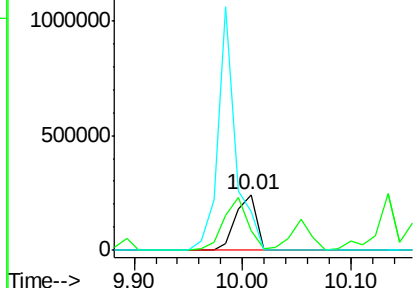
Tgt Ion:184 Resp: 316419
Ion Ratio Lower Upper
184 100
63 34.5 98.6 148.0#
154 69.8 183.9 275.9#

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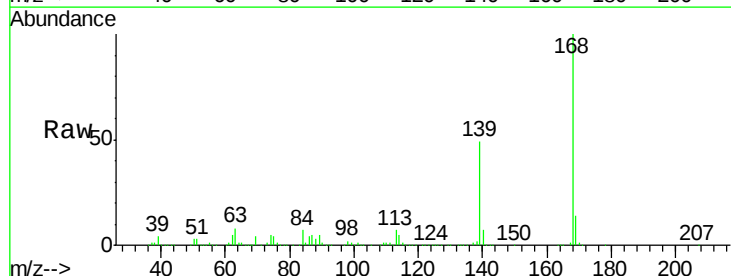


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

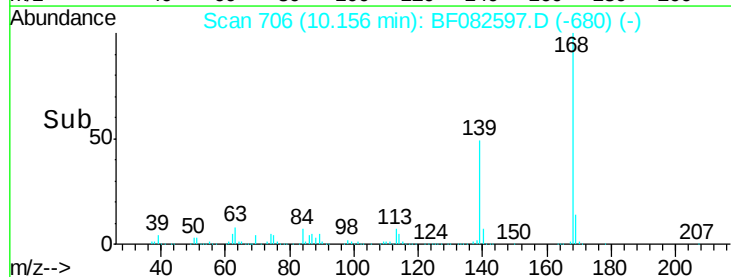
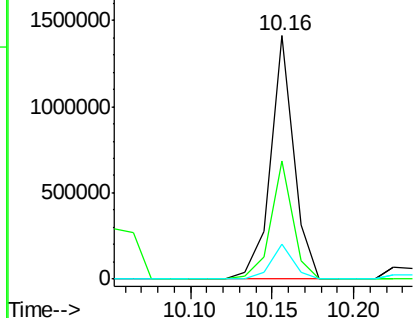


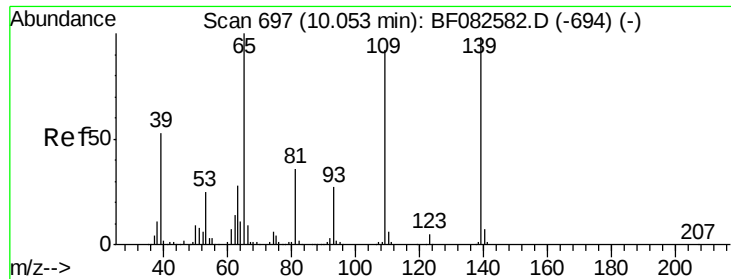
#54
Dibenzofuran
Concen: 35.99 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion:168 Resp: 1400250
Ion Ratio Lower Upper
168 100
139 48.8 37.8 56.6
169 14.4 11.3 16.9



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





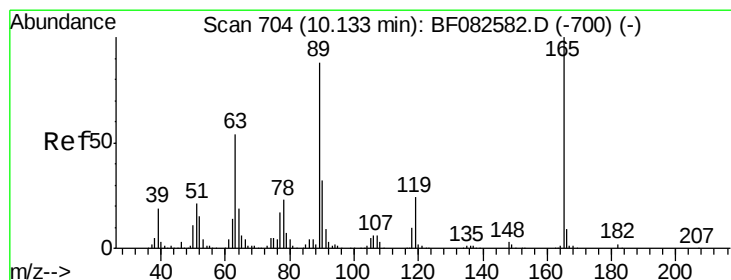
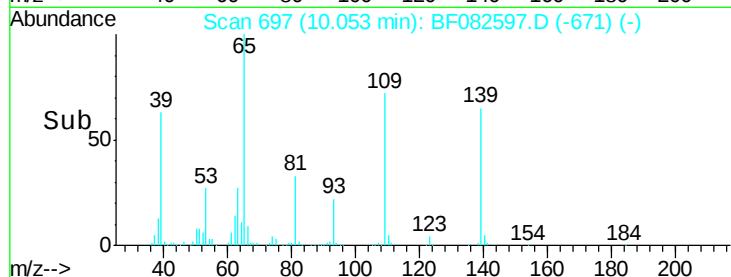
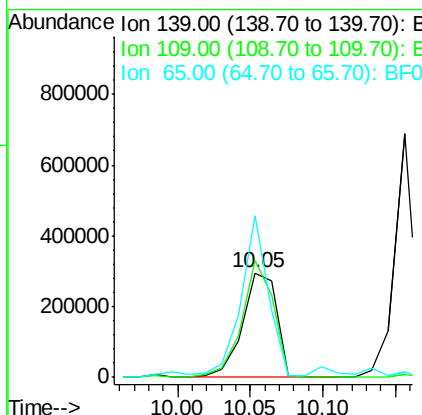
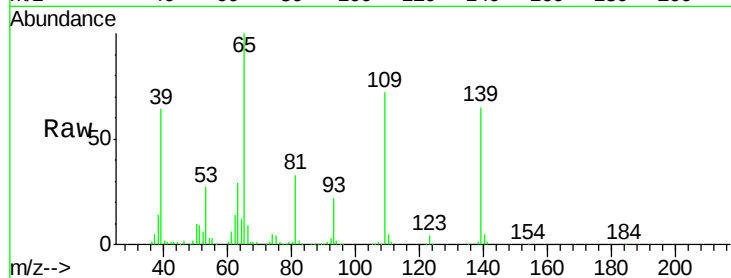
#55
4-Nitrophenol
Concen: 79.05 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	479545		
109	111.9	73.7	113.7	
65	154.8	82.9	122.9#	

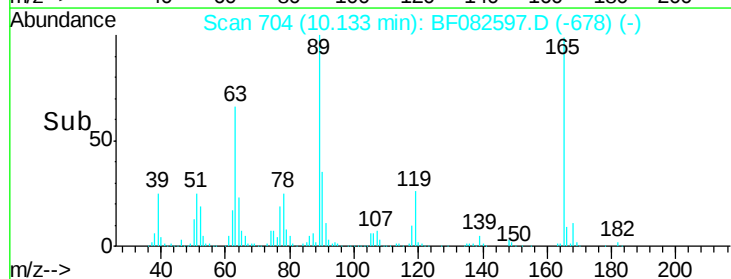
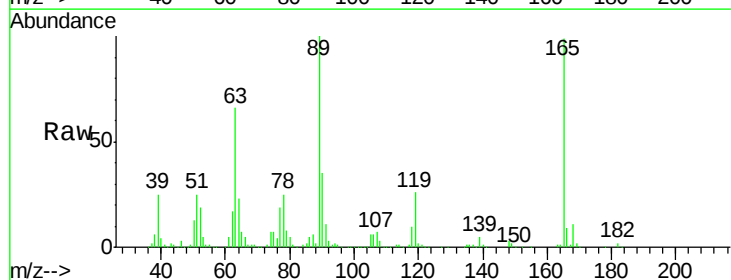
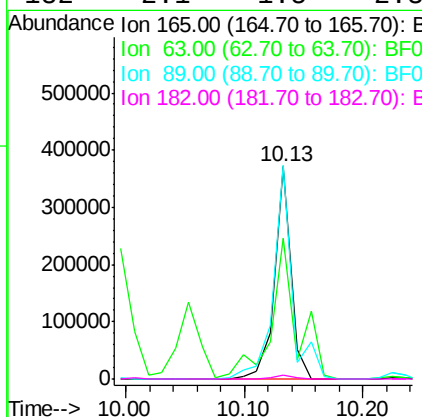
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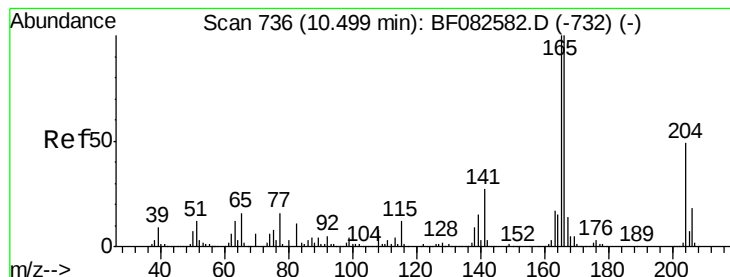
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#56
2,4-Dinitrotoluene
Concen: 36.55 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	358226		
63	66.2	43.4	65.0#	
89	100.8	70.6	106.0	
182	2.1	1.5	2.3	





#57

Fluorene

Concen: 36.69 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF082597.D

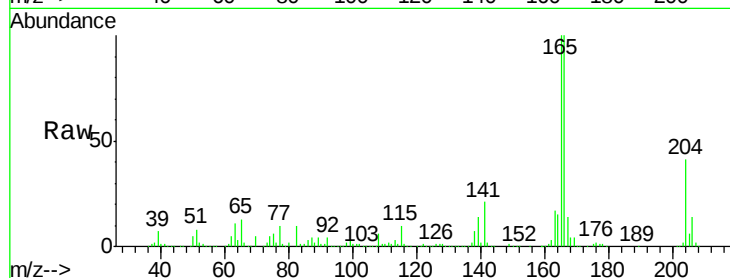
Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD



Tgt Ion:166 Resp: 1151609

Ion Ratio Lower Upper

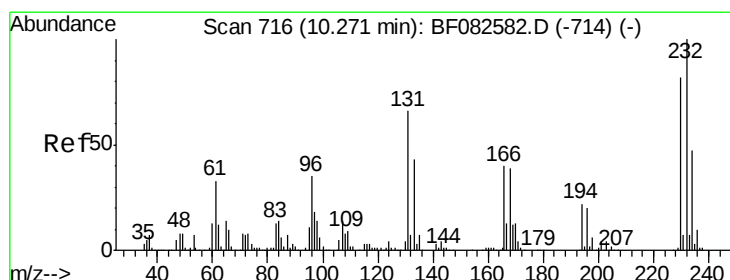
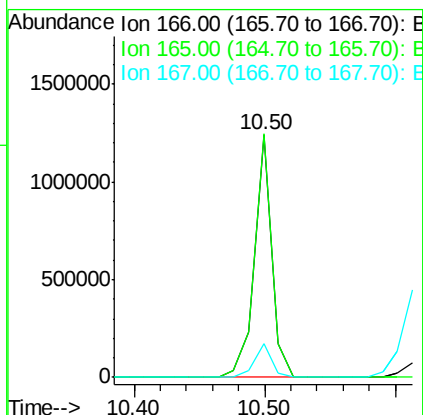
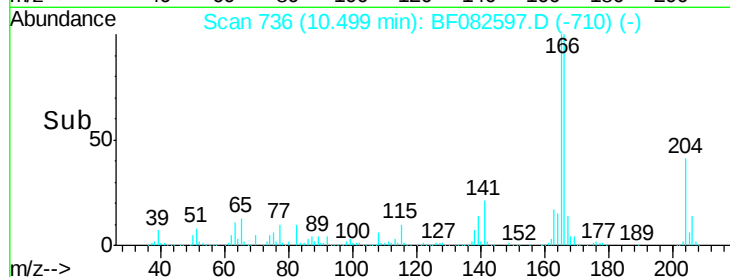
166 100

165 100.5 80.2 120.4

167 14.1 11.2 16.8

Manual Integrations
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11/2/2015 4:32:14 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.72 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:232 Resp: 327676

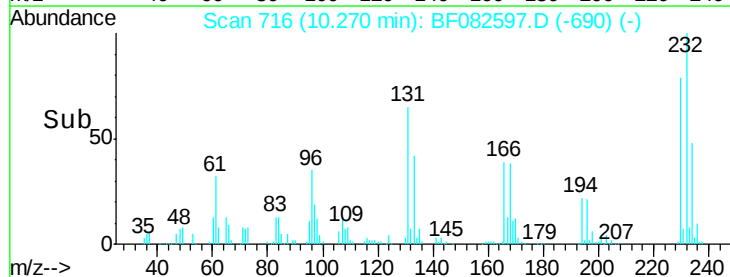
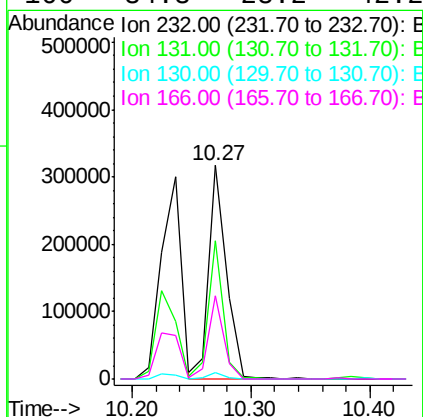
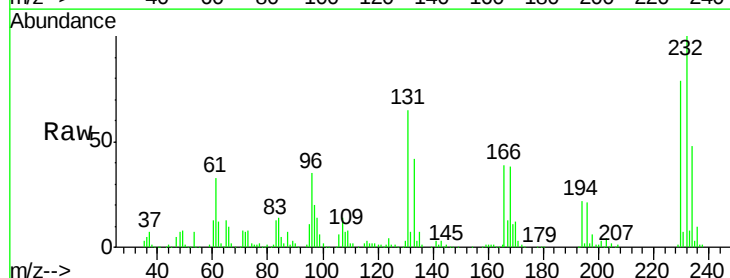
Ion Ratio Lower Upper

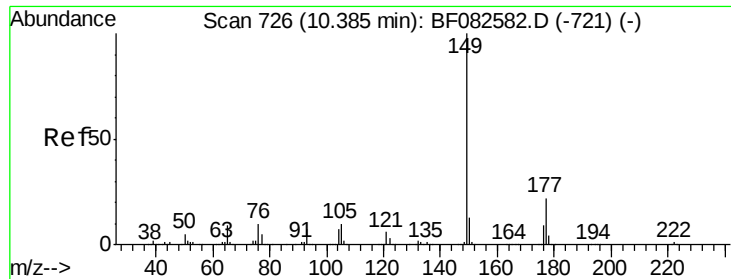
232 100

131 54.4 46.2 69.2

130 2.8 2.4 3.6

166 34.3 28.2 42.2





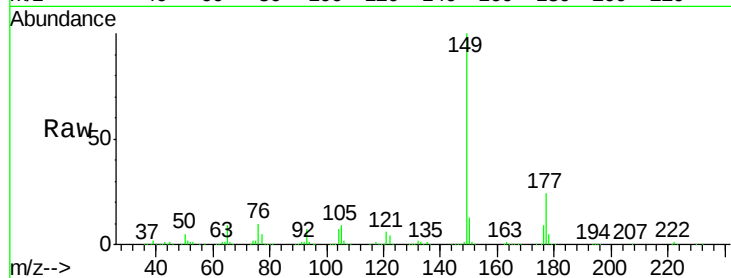
#59
Diethylphthalate
Concen: 39.79 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

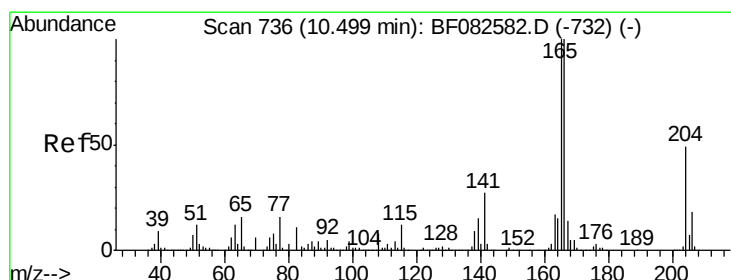
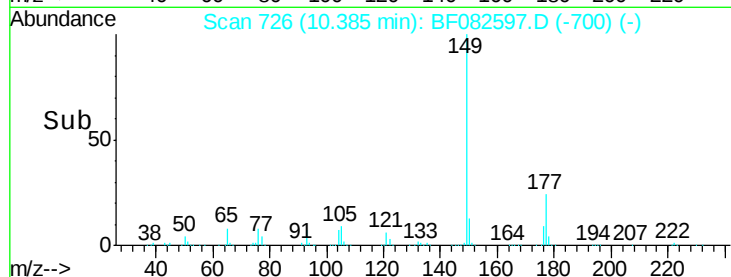
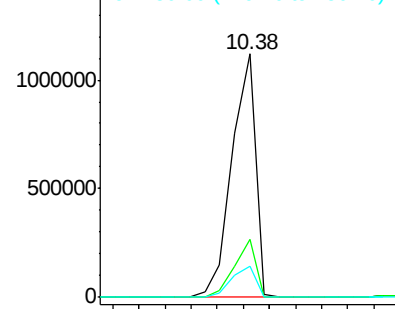
Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.7	17.9	26.9
150	12.8	10.1	15.1

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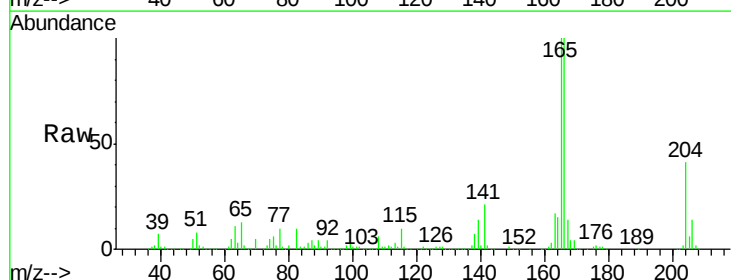


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

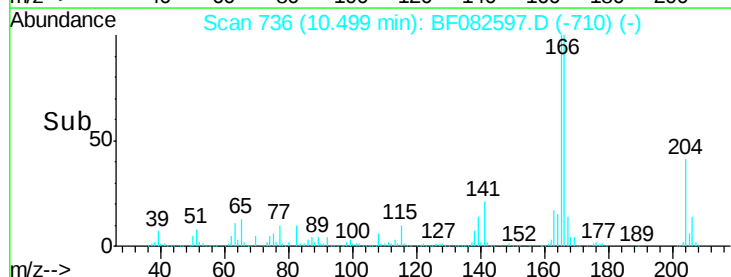
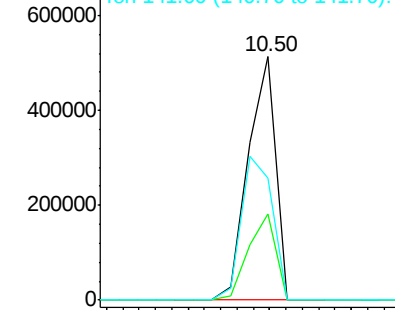


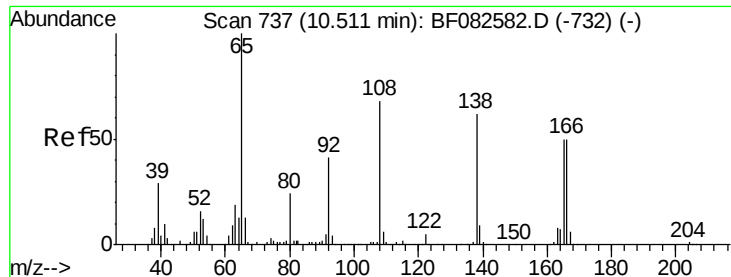
#60
4-Chlorophenyl-phenylether
Concen: 39.28 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.2	28.5	42.7
141	50.1	44.6	66.8



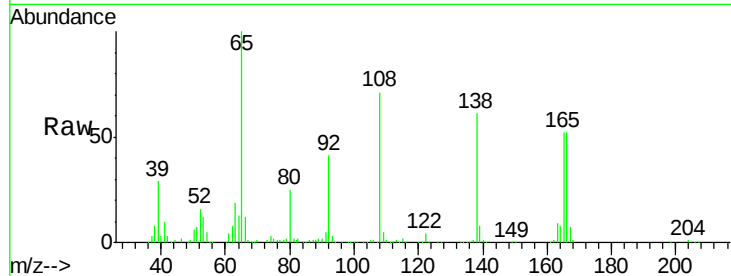
Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61
4-Nitroaniline
Concen: 33.09 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

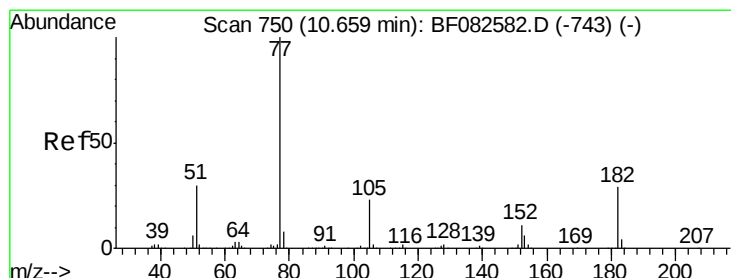
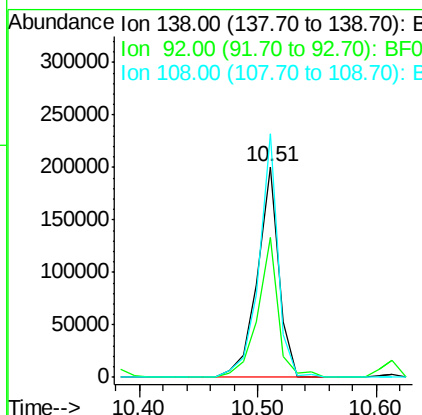
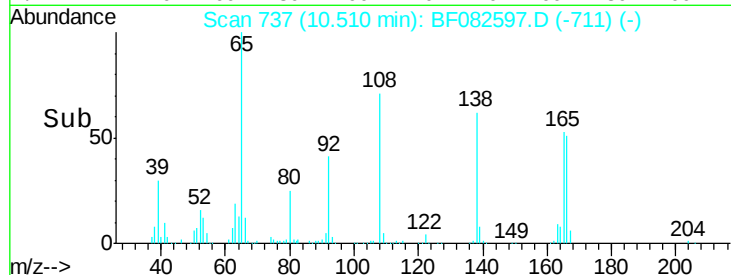
Instrument :
BNA_F
ClientSampleId :
PB86326BSD



Tgt Ion	Ratio	Resp	Lower	Upper
138	100	254632		
92	66.4	45.8	85.8	
108	115.7	89.4	129.4	

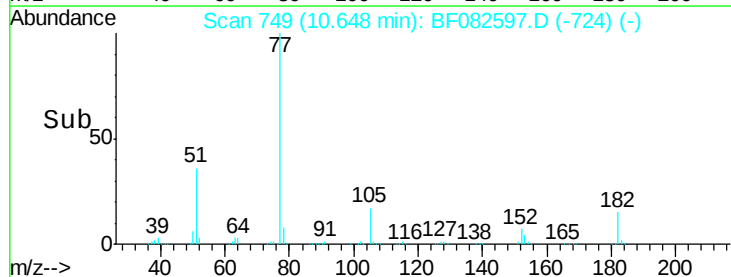
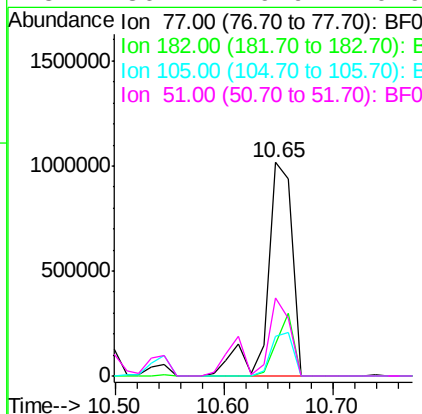
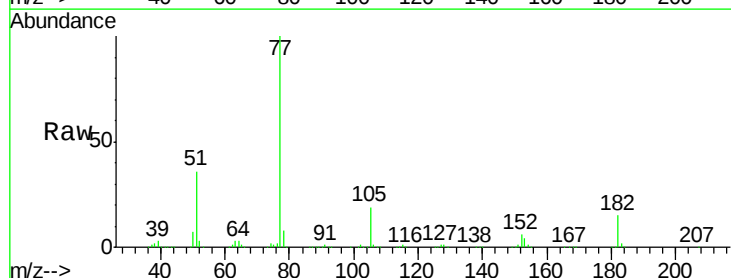
Manual Integrations
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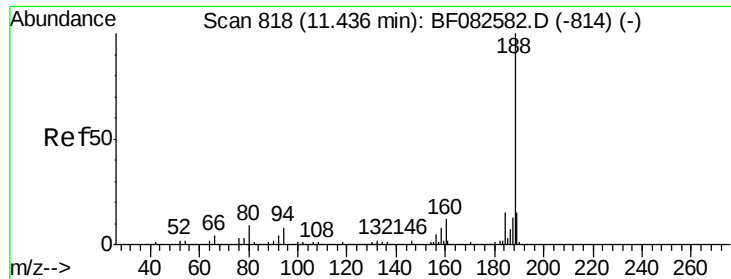
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11/2/2015 4:32:14 PM



#62
Azobenzene
Concen: 40.22 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1614598		
182	15.3	9.3	49.3	
105	18.6	2.6	42.6	
51	36.4	9.9	49.9	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082597.D

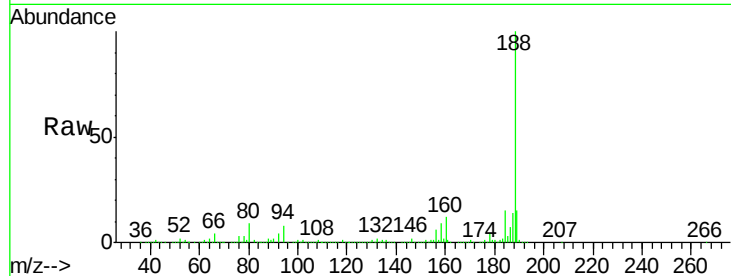
Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

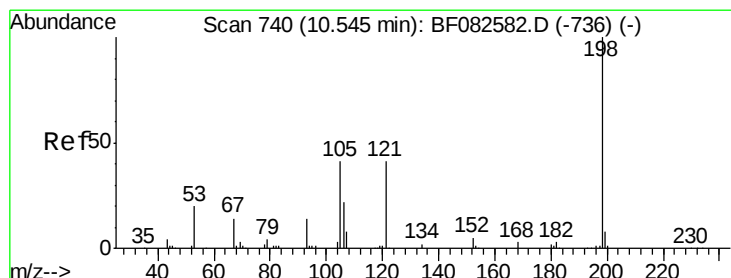
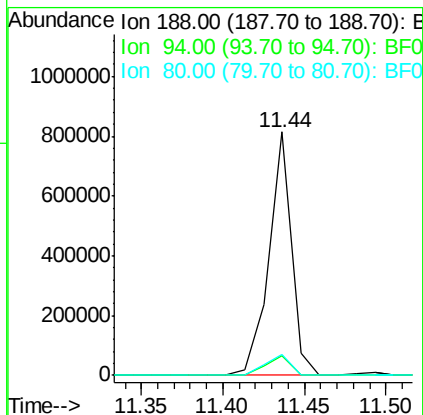
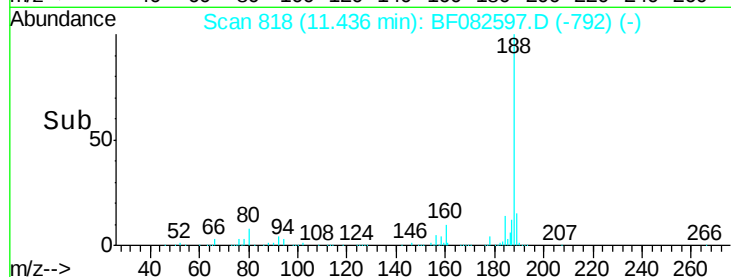
PB86326BSD



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	786897		
94	8.0	6.1	9.1	
80	8.8	7.0	10.6	

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 46.99 ng

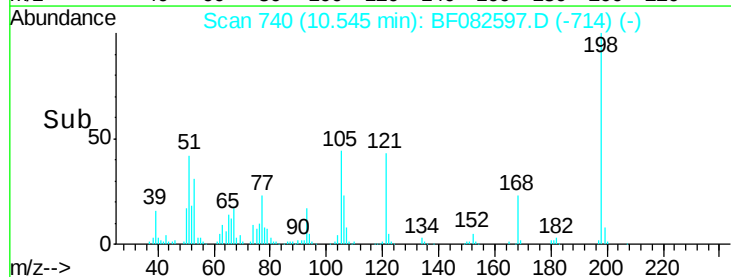
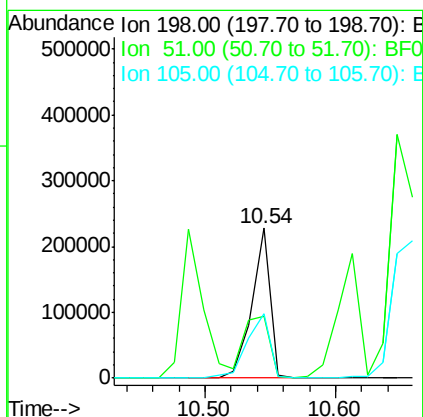
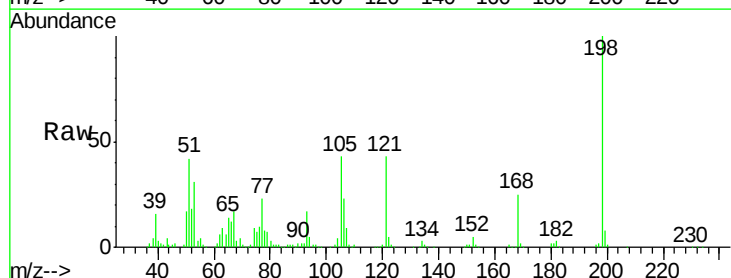
RT: 10.54 min Scan# 740

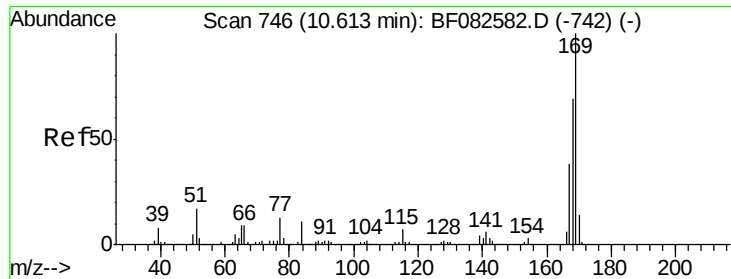
Delta R.T. 0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	222995		
51	41.7	17.3	57.3	
105	43.4	21.7	61.7	





#65

n-Nitrosodiphenylamine

Concen: 41.39 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:169 Resp: 1119582

Ion Ratio Lower Upper

169 100

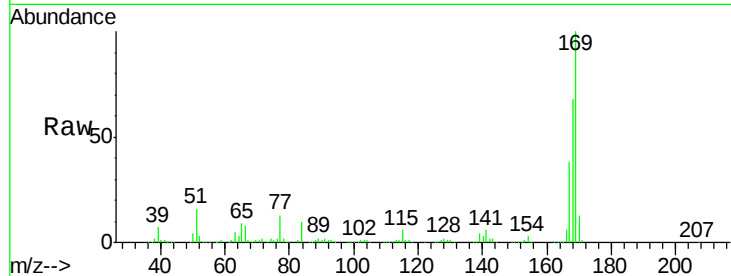
168 68.2 55.0 82.6

167 38.1 30.5 45.7

Manual Integrations
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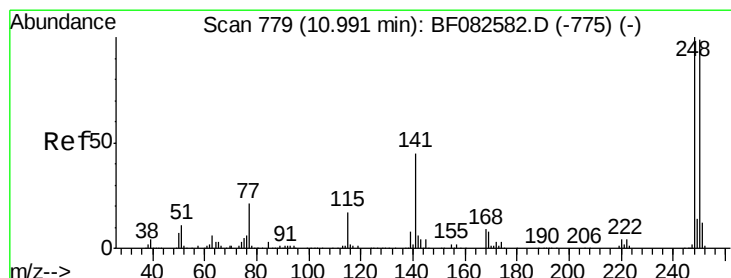
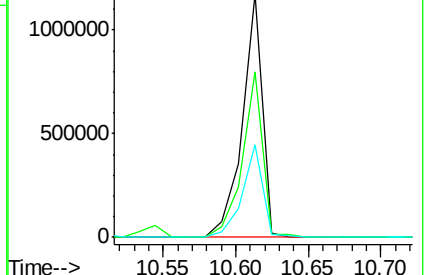
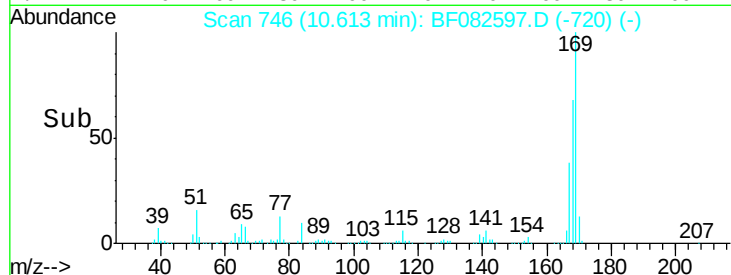
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.54 ng

RT: 10.98 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

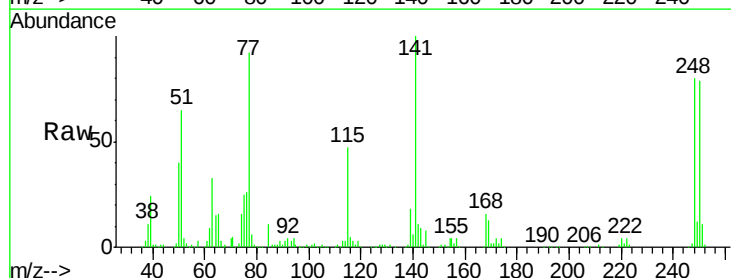
Tgt Ion:248 Resp: 343663

Ion Ratio Lower Upper

248 100

250 98.5 79.4 119.2

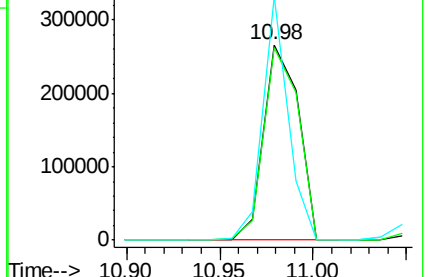
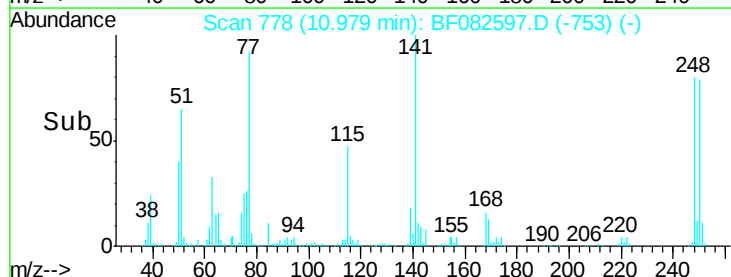
141 124.5 36.3 54.5#

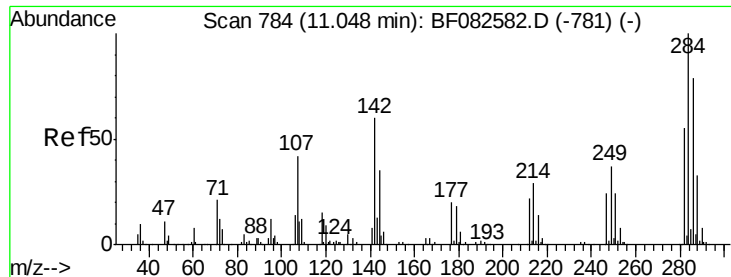


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 38.98 ng

RT: 11.05 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF082597.D

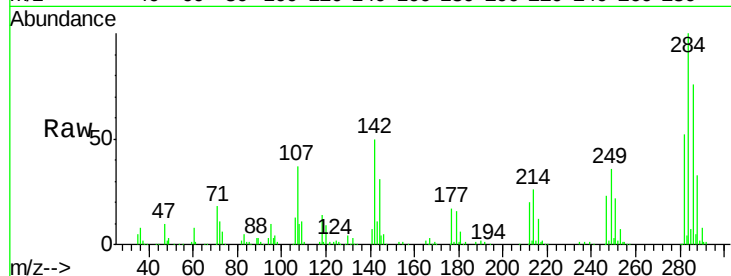
Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

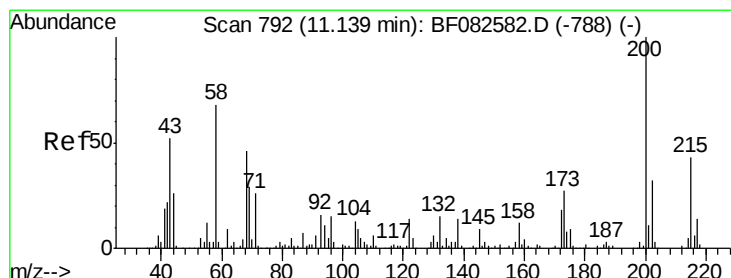
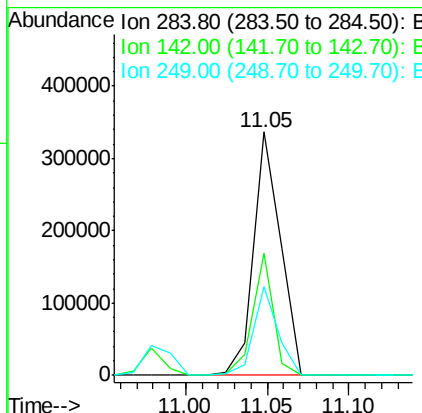
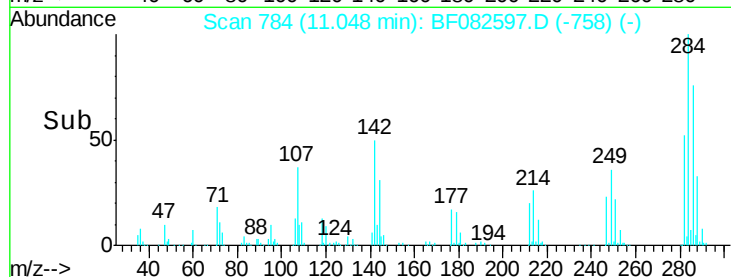
PB86326BSD



Tgt Ion:	284	Resp:	385396
Ion Ratio	Lower	Upper	
284	100		
142	50.0	47.9	71.9
249	36.4	29.7	44.5

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#68

Atrazine

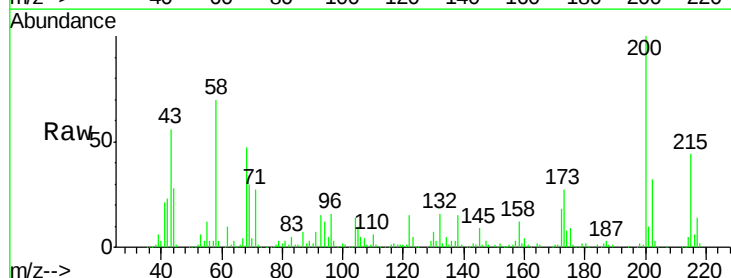
Concen: 38.04 ng

RT: 11.14 min Scan# 792

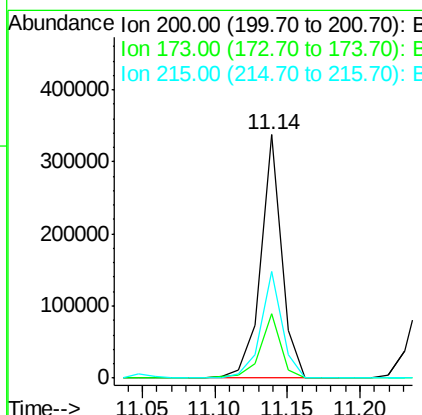
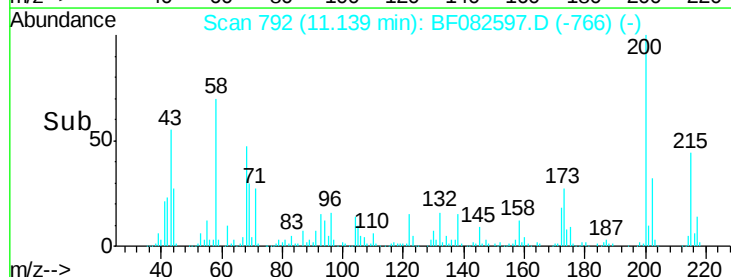
Delta R.T. -0.00 min

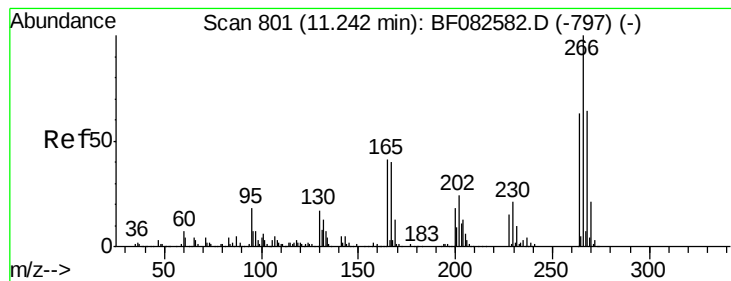
Lab File: BF082597.D

Acq: 31 Oct 2015 3:28



Tgt Ion:	200	Resp:	336647
Ion Ratio	Lower	Upper	
200	100		
173	26.6	6.9	46.9
215	43.7	22.9	62.9





#69

Pentachlorophenol

Concen: 81.15 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:266 Resp: 529079

Ion Ratio Lower Upper

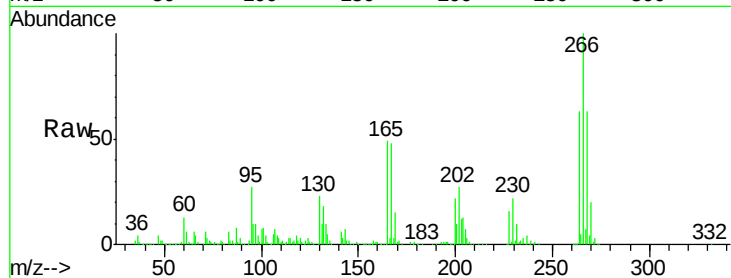
266 100

268 63.3 51.0 76.6

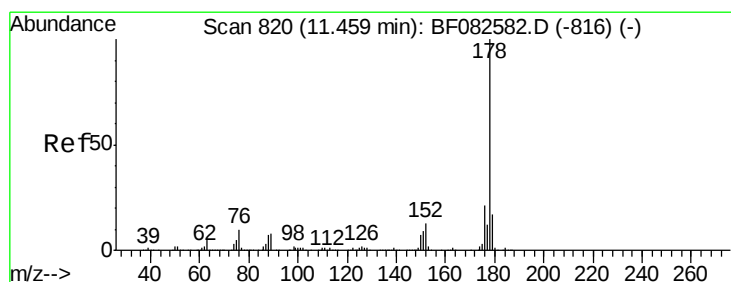
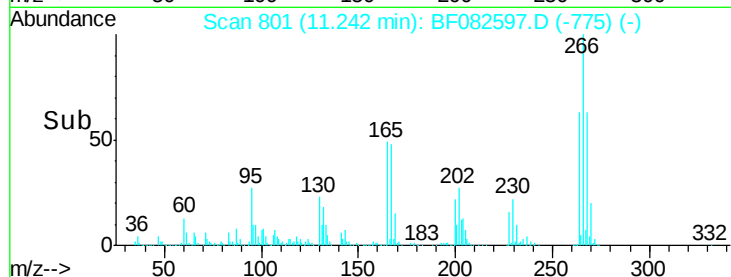
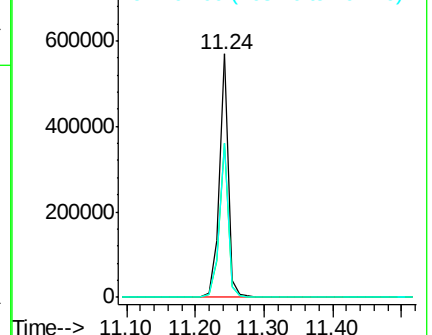
264 63.4 50.6 75.8

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



#70

Phenanthrene

Concen: 37.16 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

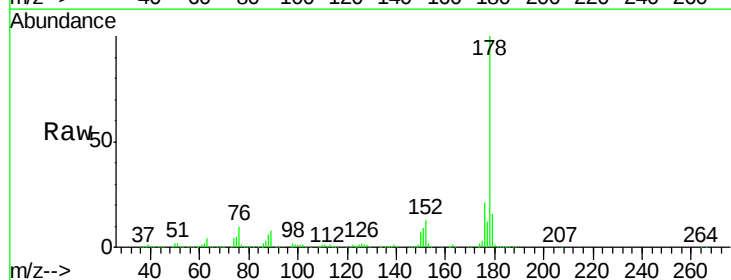
Tgt Ion:178 Resp: 1649199

Ion Ratio Lower Upper

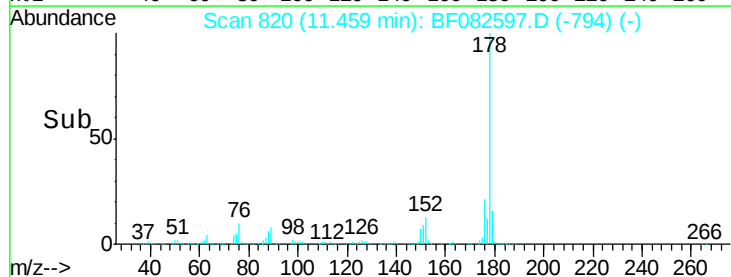
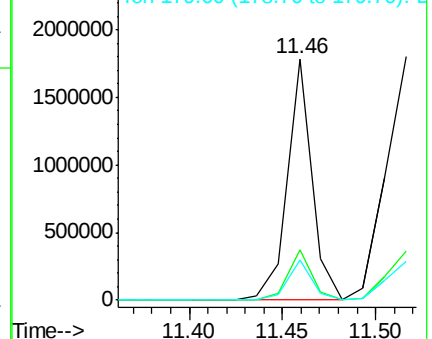
178 100

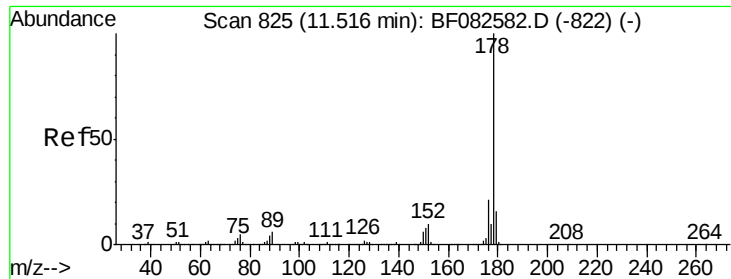
176 21.0 17.0 25.4

179 16.5 13.4 20.0



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





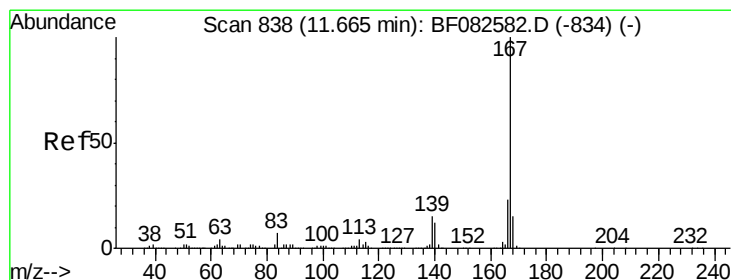
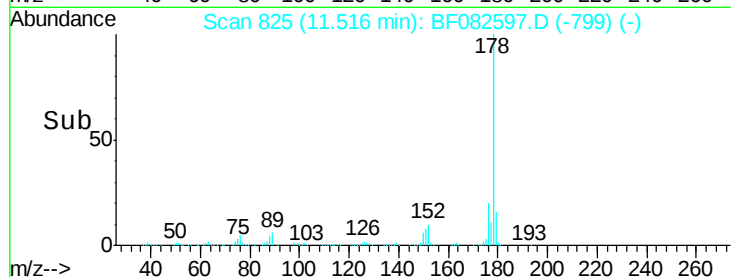
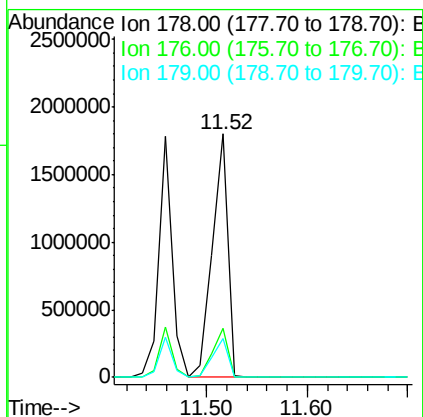
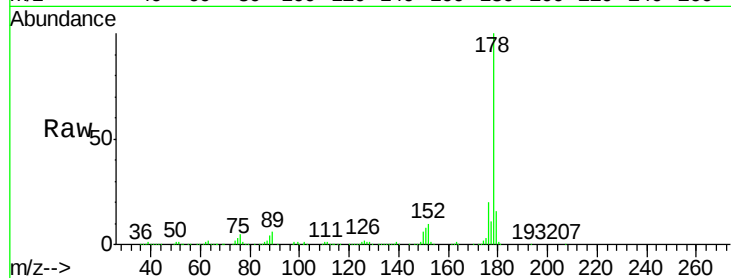
#71
 Anthracene
 Concen: 43.13 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Tgt Ion:178 Resp: 1927544
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.5 24.7
 179 16.0 13.2 19.8

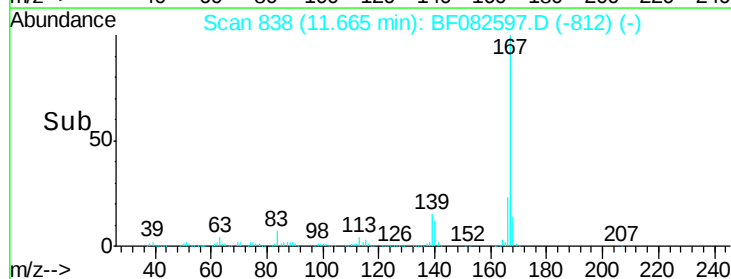
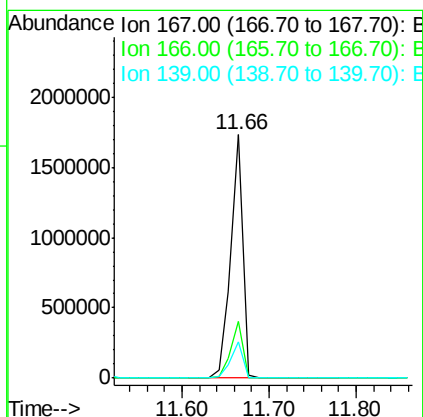
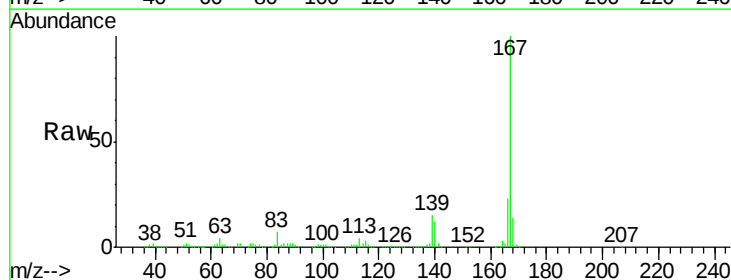
Manual Integrations
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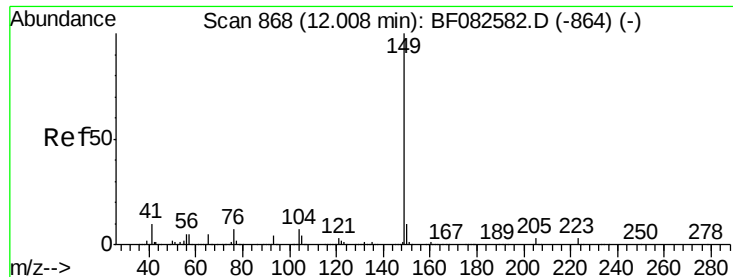
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#72
 Carbazole
 Concen: 42.79 ng
 RT: 11.66 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion:167 Resp: 1665753
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.7 28.1
 139 14.9 11.8 17.6





#73

Di-n-butylphthalate

Concen: 42.95 ng

RT: 12.01 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

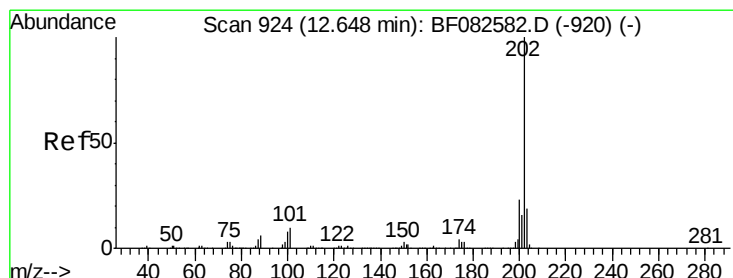
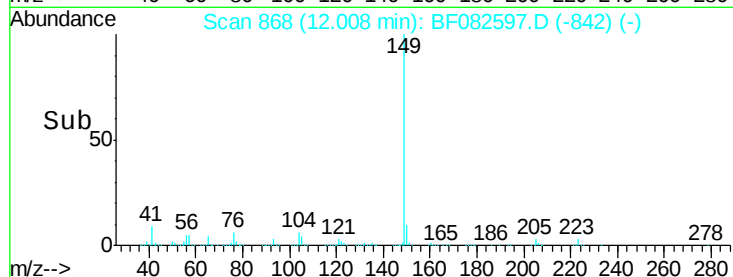
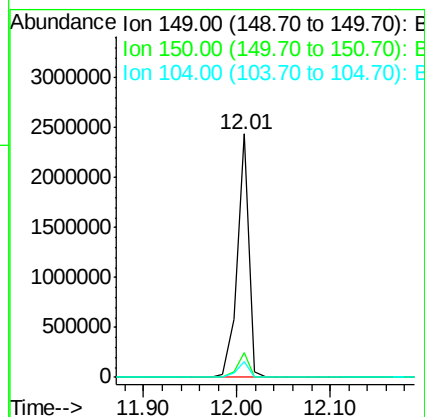
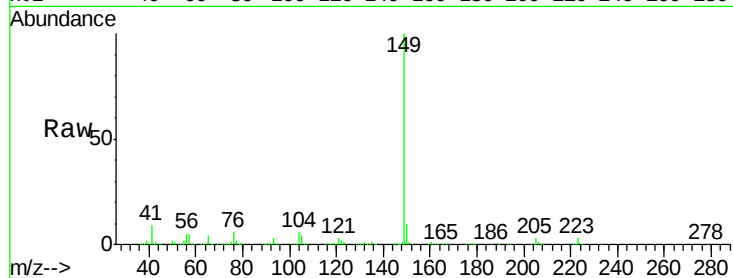
ClientSampleId :

PB86326BSD

Manual Integrations
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Tgt Ion:	149	Resp:	2128434
Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1
104	6.4	5.2	7.8



#74

Fluoranthene

Concen: 37.15 ng

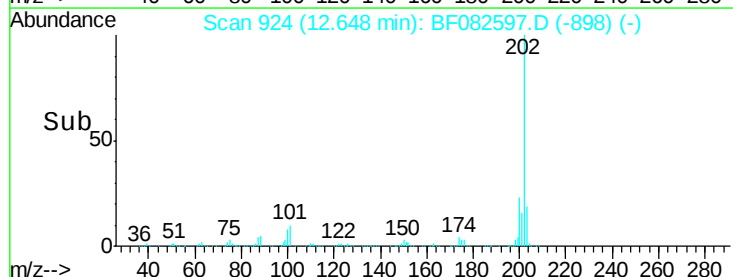
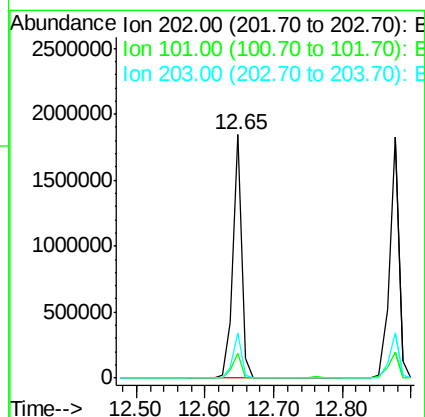
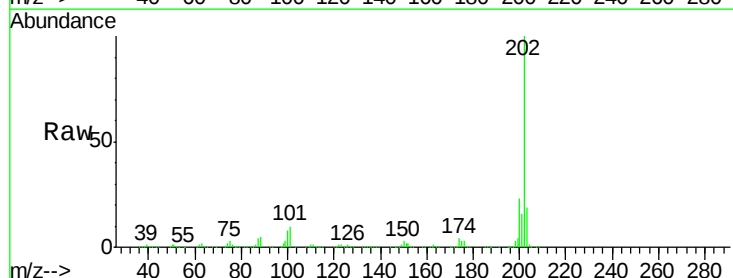
RT: 12.65 min Scan# 924

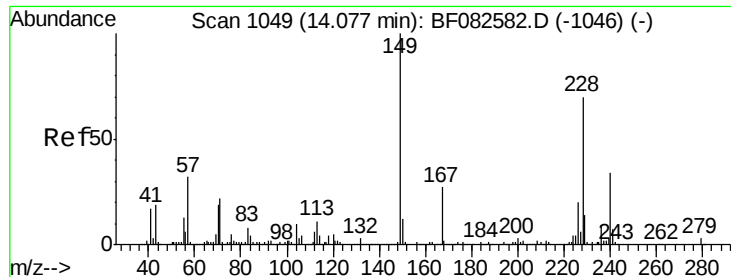
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	202	Resp:	1685749
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.5
203	18.6	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

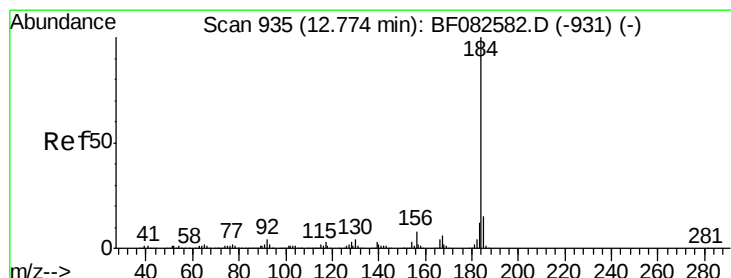
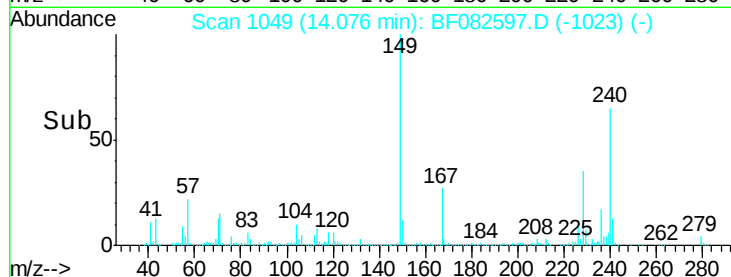
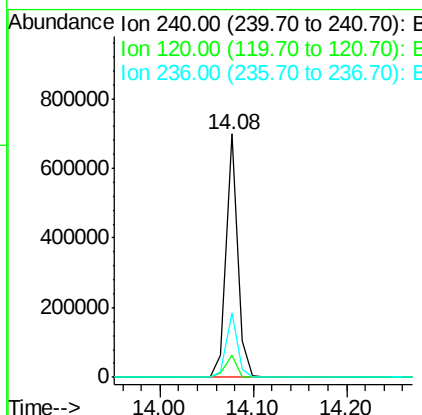
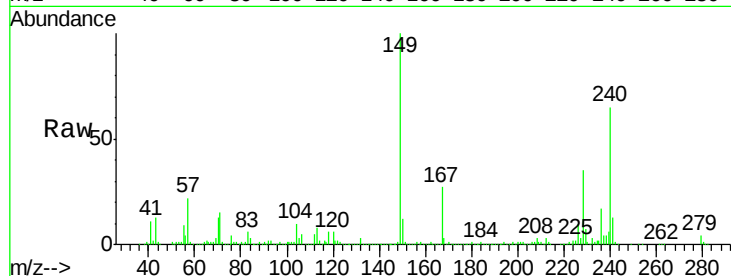
ClientSampleId :

PB86326BSD

Tgt Ion:	240	Resp:	603358
Ion Ratio	Lower	Upper	
240	100		
120	9.3	10.9	16.3#
236	26.7	21.6	32.4

Manual Integrations
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#76

Benzidine

Concen: 21.39 ng

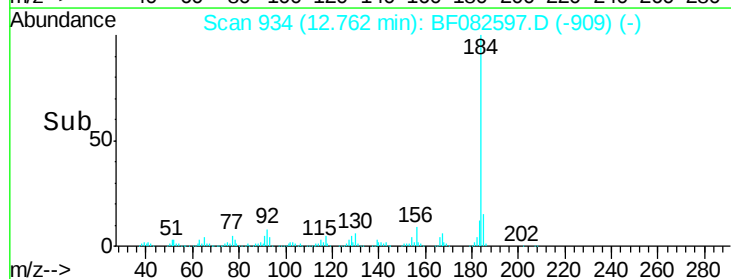
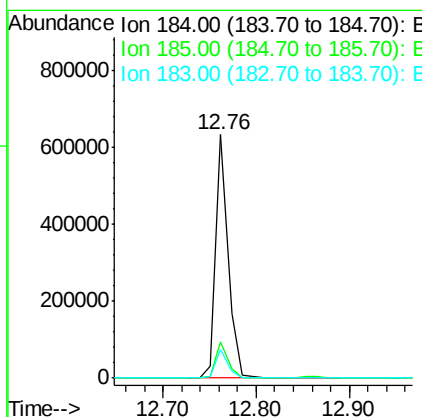
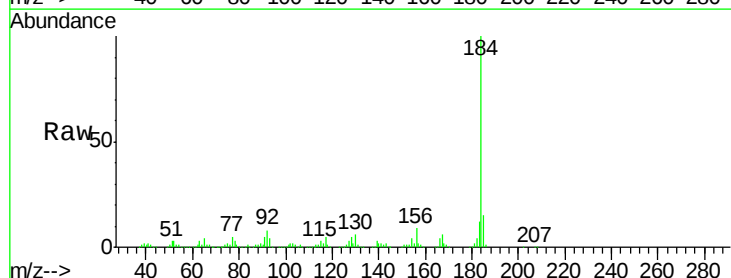
RT: 12.76 min Scan# 934

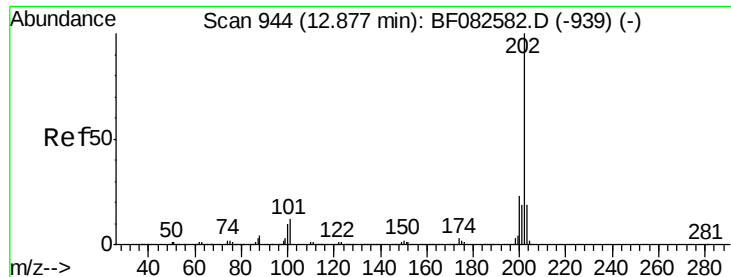
Delta R.T. -0.01 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	184	Resp:	581923
Ion Ratio	Lower	Upper	
184	100		
185	14.9	12.0	18.0
183	11.7	9.6	14.4





#77

Pyrene

Concen: 38.47 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:202 Resp: 1718775

Ion Ratio Lower Upper

202 100

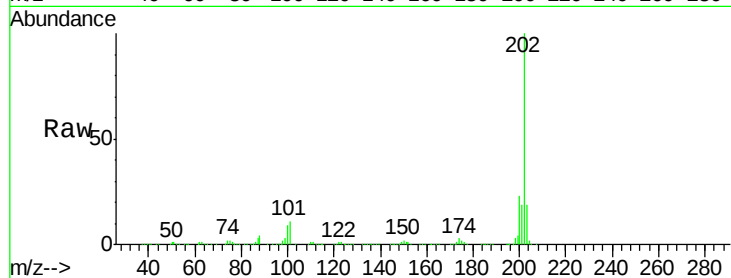
200 23.5 18.7 28.1

203 18.6 14.8 22.2

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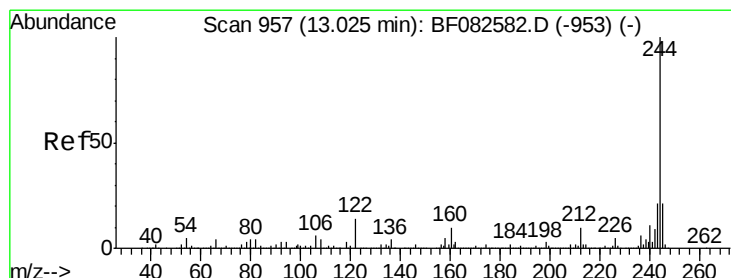
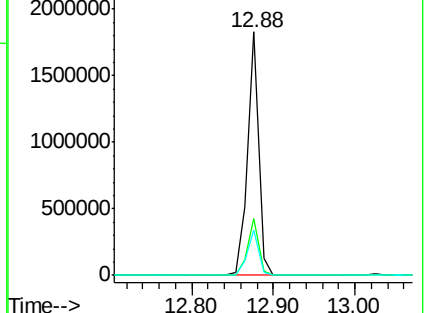
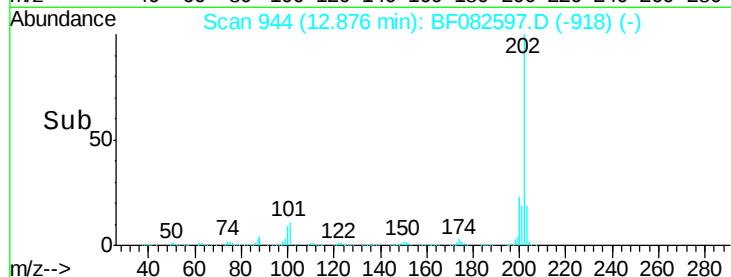
11/2/2015 4:32:14 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.07 ng

RT: 13.02 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

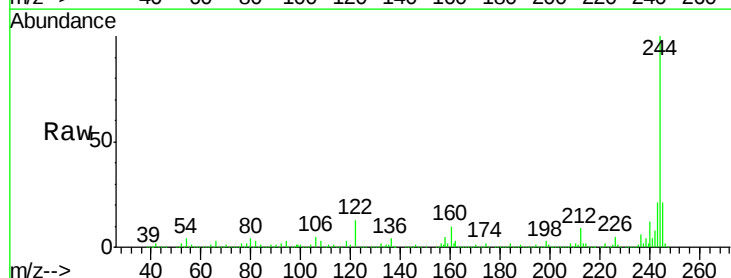
Tgt Ion:244 Resp: 2097306

Ion Ratio Lower Upper

244 100

212 9.3 7.6 11.4

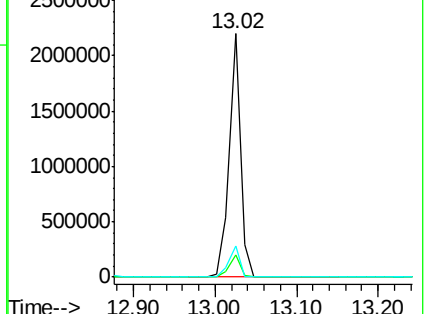
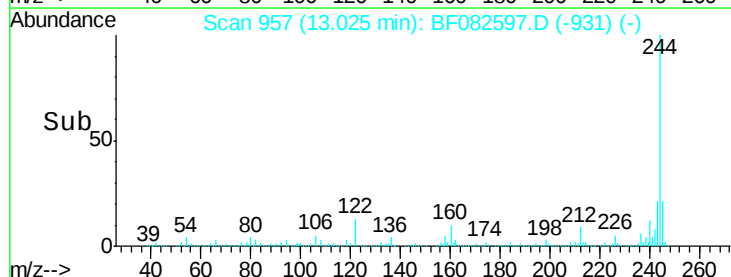
122 12.8 11.3 16.9

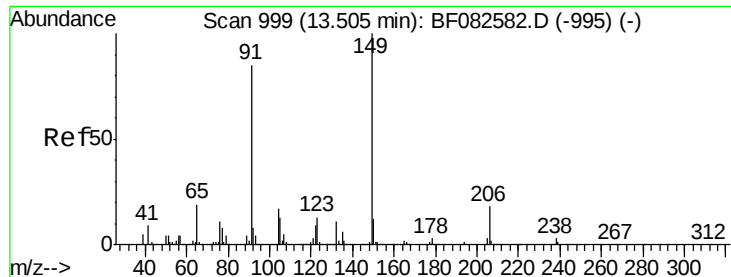


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 44.01 ng

RT: 13.50 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF082597.D

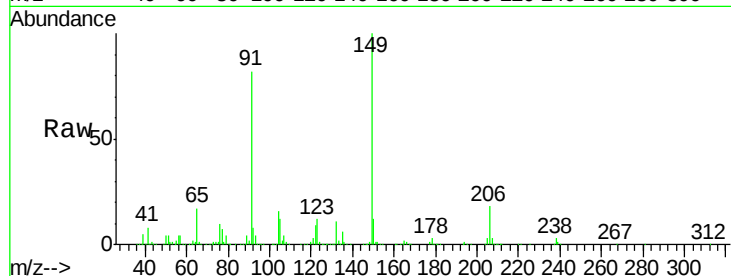
Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

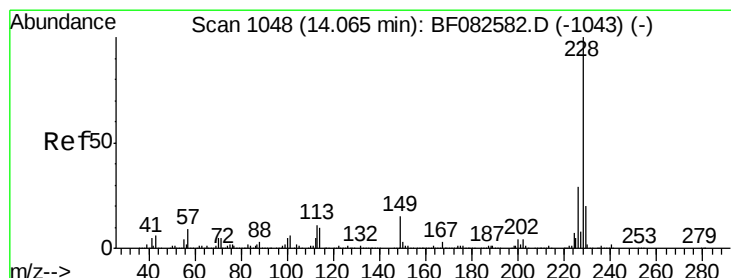
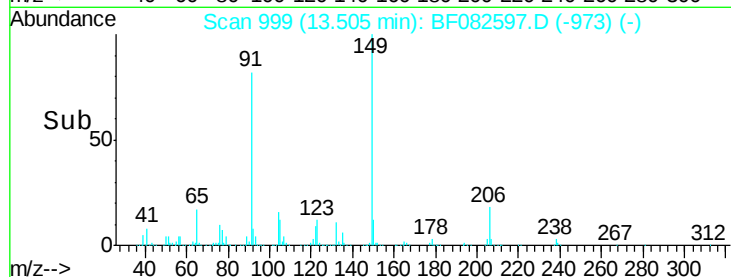
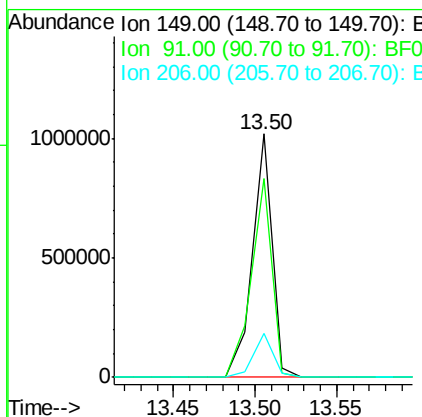
PB86326BSD



Tgt Ion:	149	Resp:	861317
Ion Ratio	Lower	Upper	
149	100		
91	81.5	67.7	101.5
206	18.2	14.6	22.0

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 38.37 ng

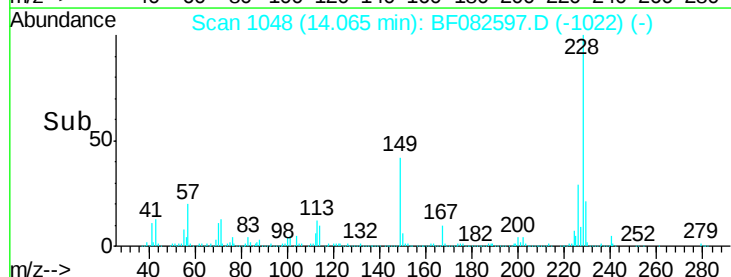
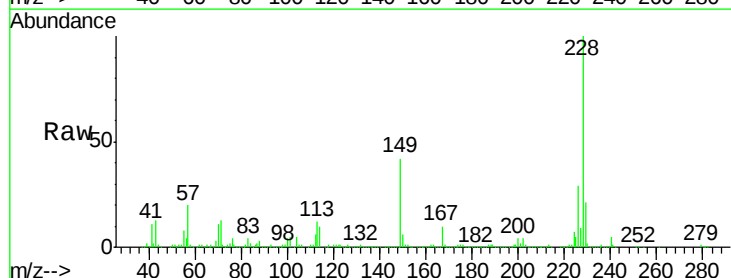
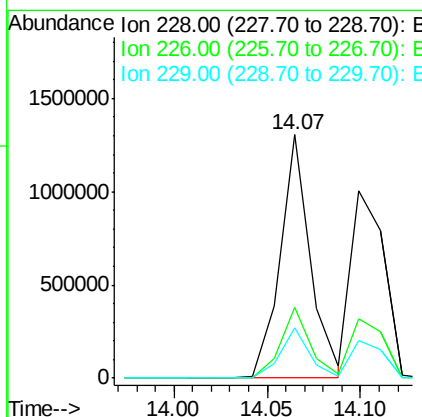
RT: 14.07 min Scan# 1048

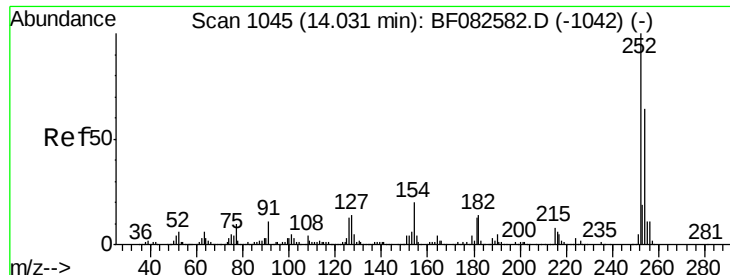
Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt Ion:	228	Resp:	1470536
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	20.5	16.3	24.5





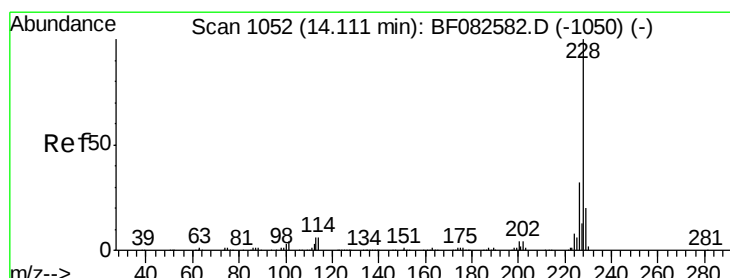
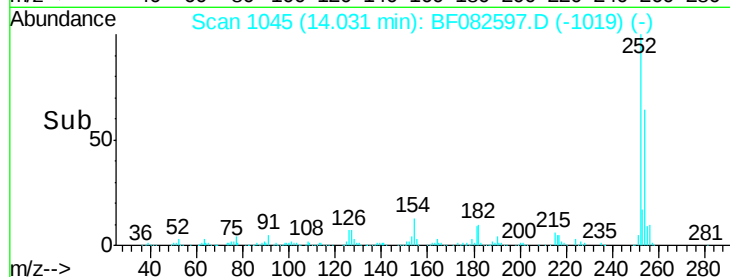
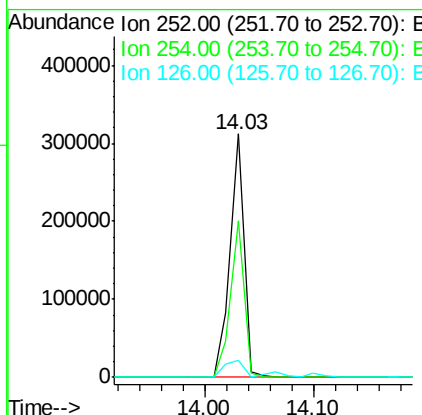
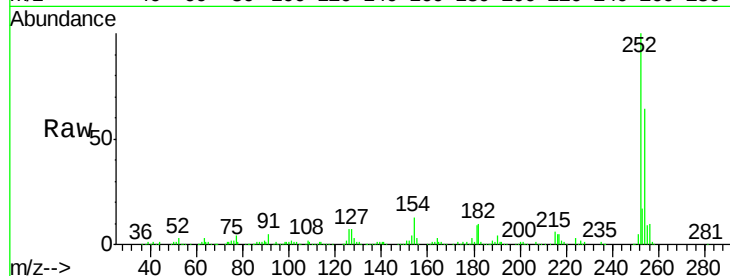
#81
 3,3'-Dichlorobenzidine
 Concen: 21.10 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 PB86326BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.2	51.4	77.0
126	7.1	10.7	16.1

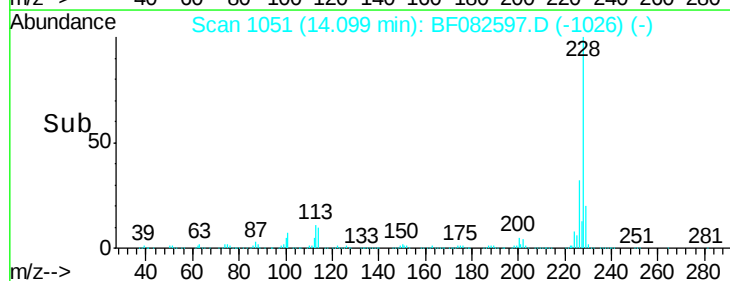
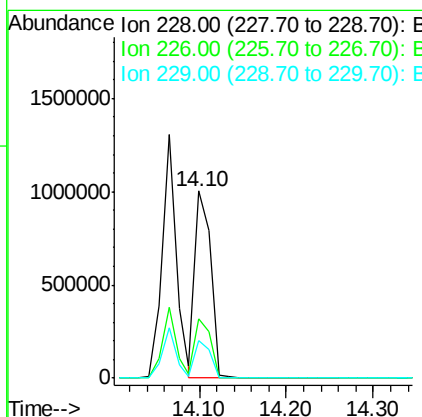
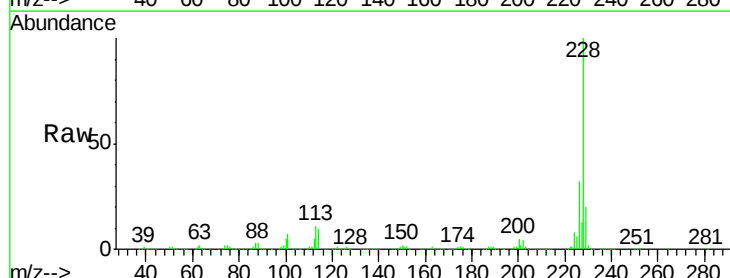
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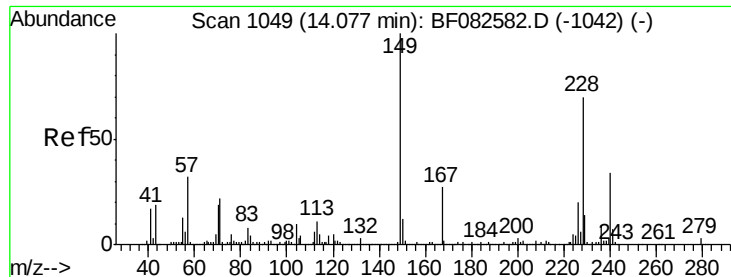
Mmdadoda
 11/2/2015 4:32:14 PM



#82
 Chrysene
 Concen: 36.05 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.9	25.5	38.3
229	20.2	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.93 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:149 Resp: 1139765

Ion Ratio Lower Upper

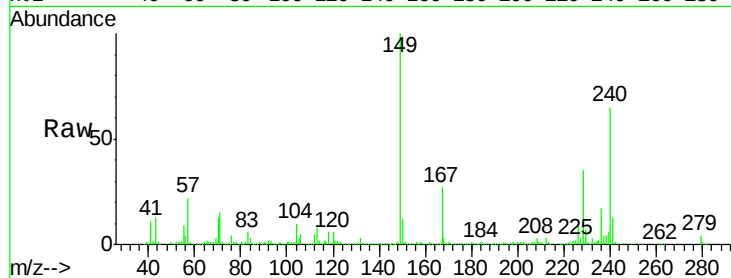
149 100

167 27.3 21.2 31.8

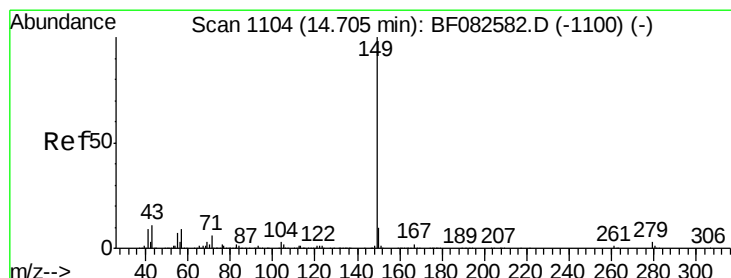
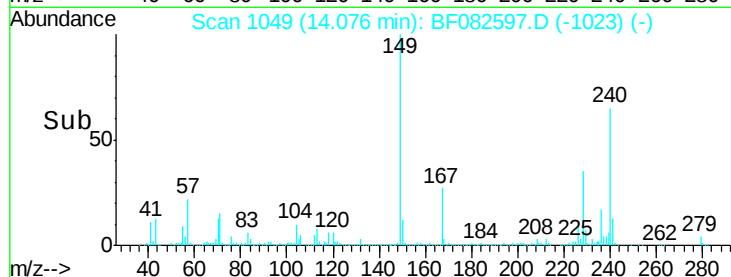
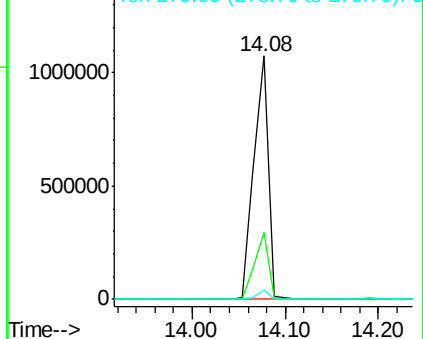
279 4.1 2.2 3.2#

Manual Integrations
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Mmdadoda
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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: 40.19 ng

RT: 14.68 min Scan# 1102

Delta R.T. -0.02 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

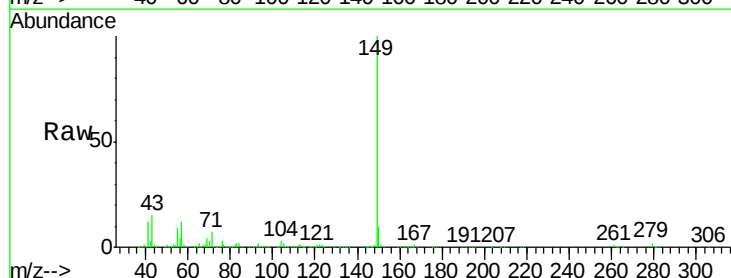
Tgt Ion:149 Resp: 1590183

Ion Ratio Lower Upper

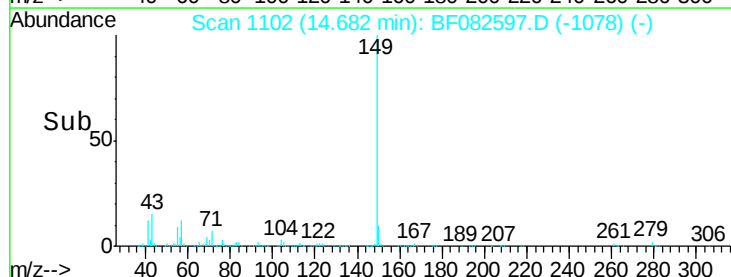
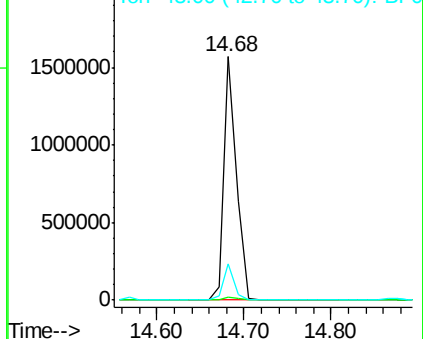
149 100

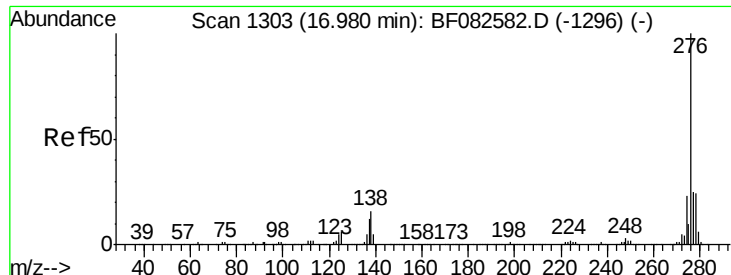
167 1.5 1.3 1.9

43 12.9 10.1 15.1



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





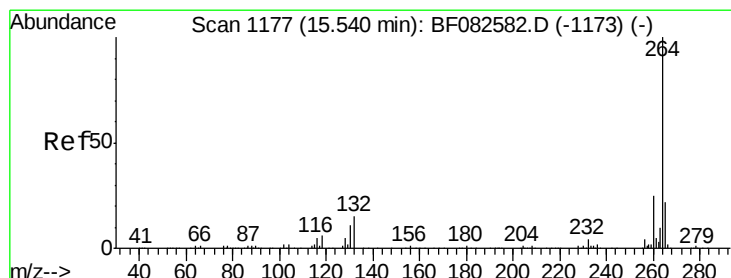
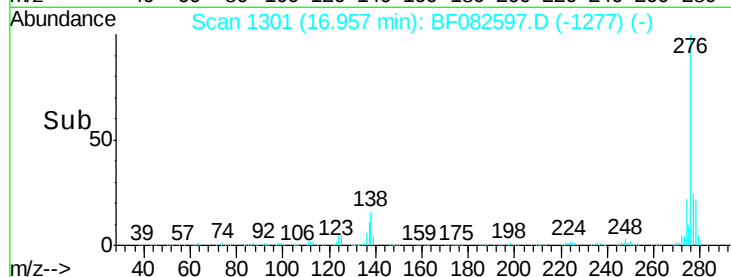
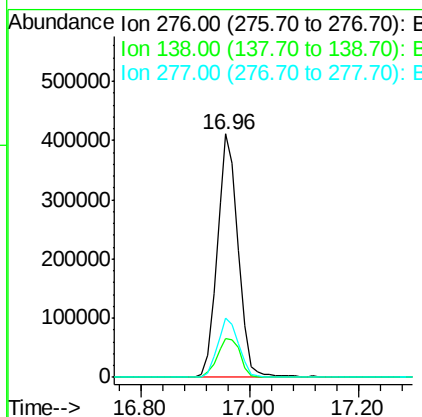
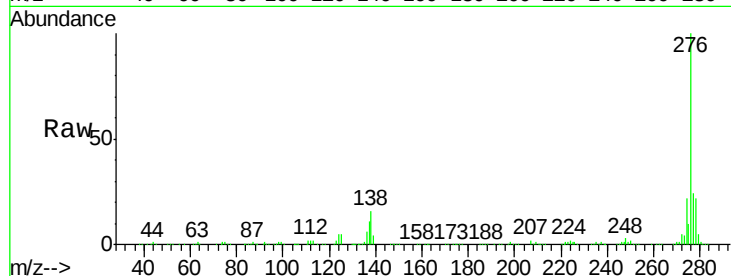
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.51 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampled :
 PB86326BSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	15.3	22.9
277	25.0	20.2	30.4

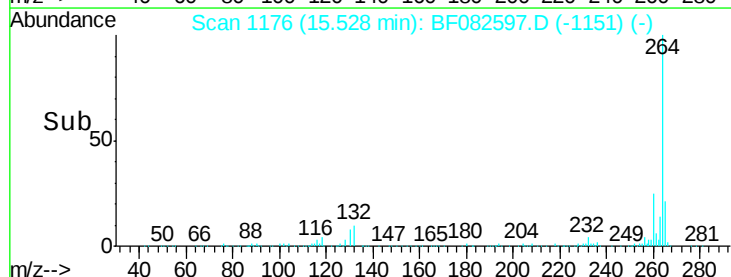
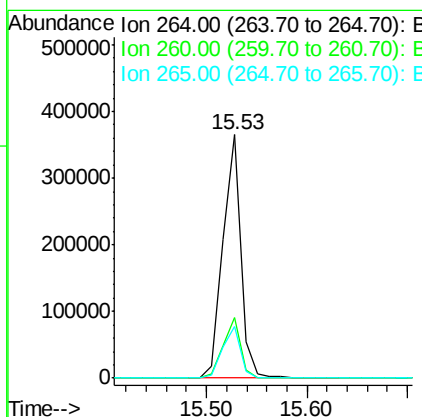
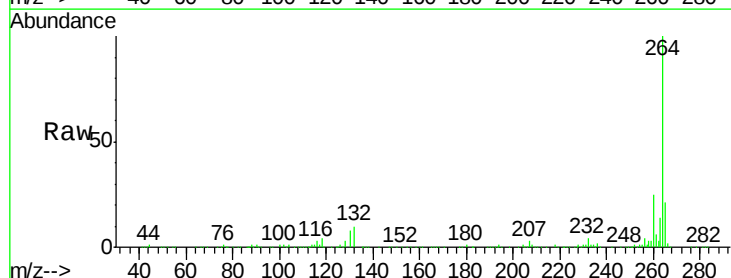
Manual Integrations
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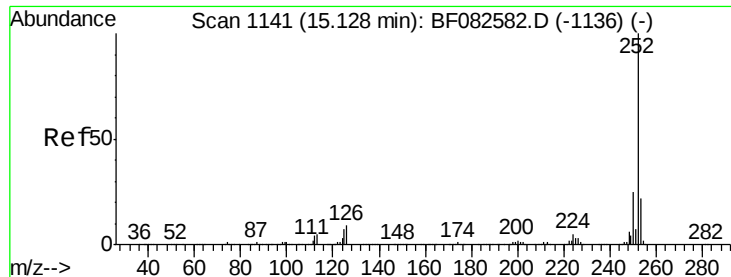
Mmdadoda
 11/2/2015 4:32:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF082597.D
 Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.6
265	21.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 41.46 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

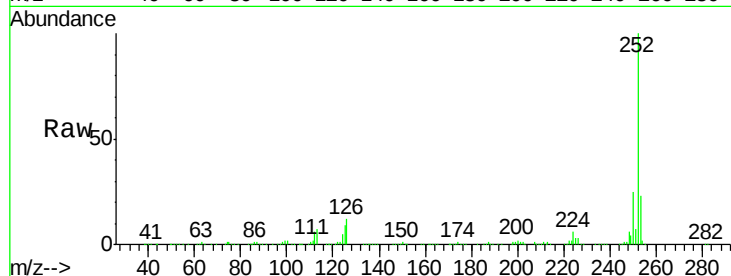
ClientSampleId :

PB86326BSD

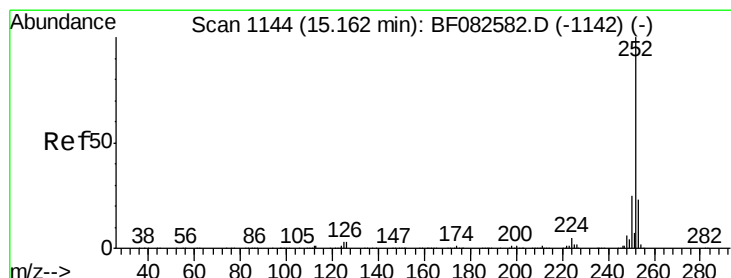
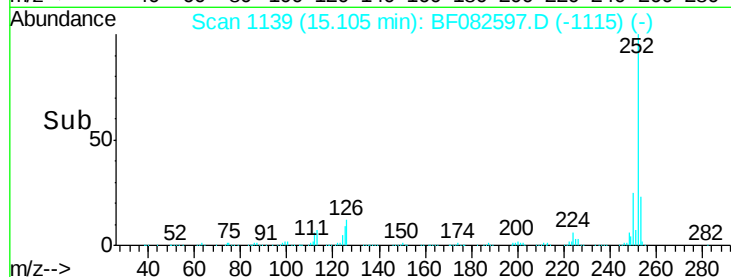
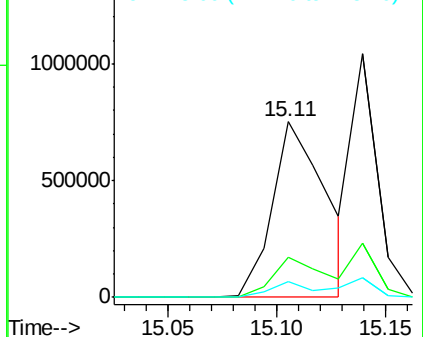
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.5	17.8	26.8	
125	9.3	5.4	8.2#	

Manual Integrations
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11/2/2015 4:32:14 PM



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



#88

Benzo(k)fluoranthene

Concen: 36.42 ng m

RT: 15.14 min Scan# 1142

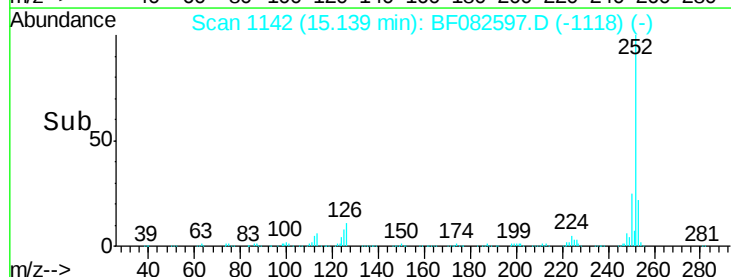
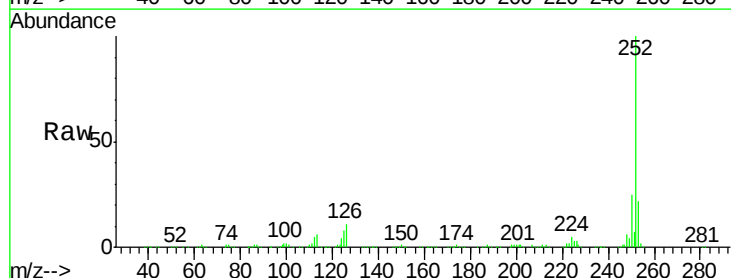
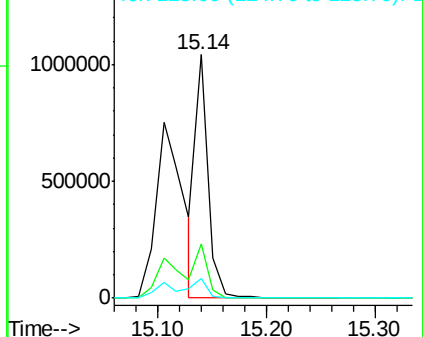
Delta R.T. -0.02 min

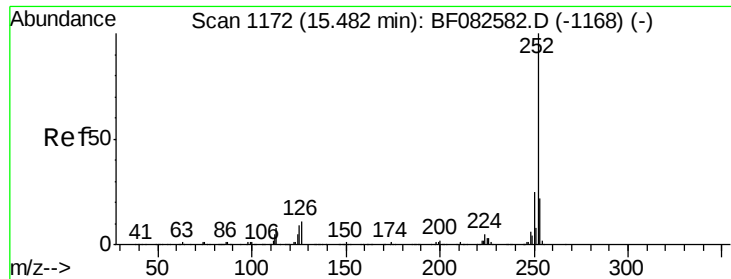
Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	17.9	26.9	
125	7.9	3.5	5.3#	

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





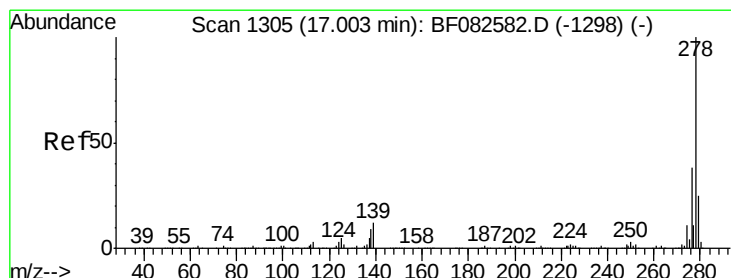
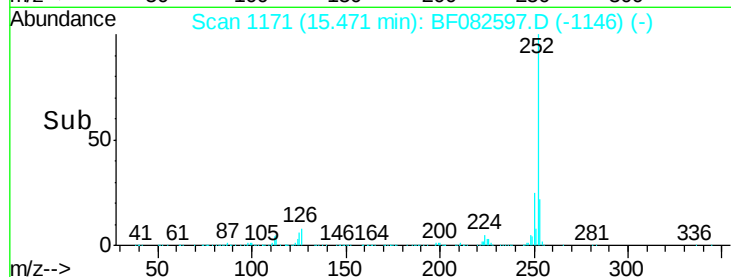
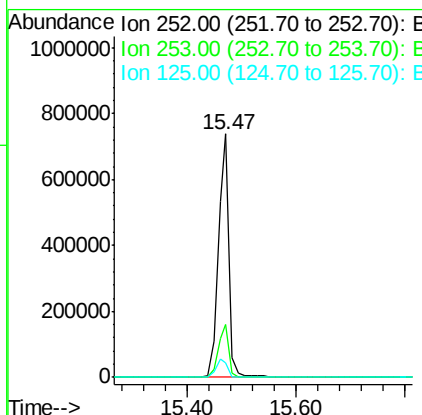
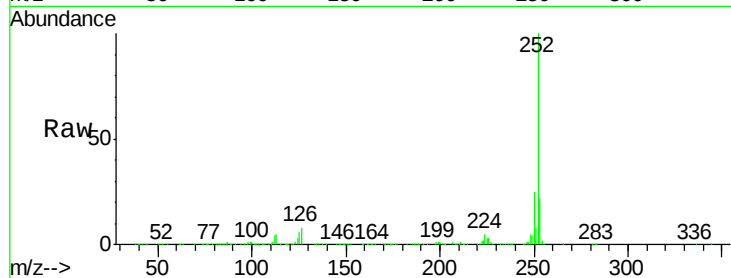
#89
Benzo(a)pyrene
Concen: 41.44 ng
RT: 15.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
PB86326BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	6.0	7.1	10.7

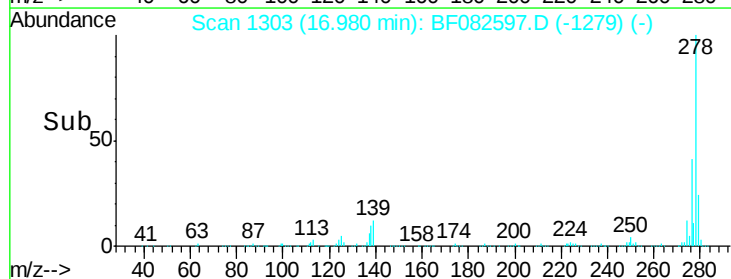
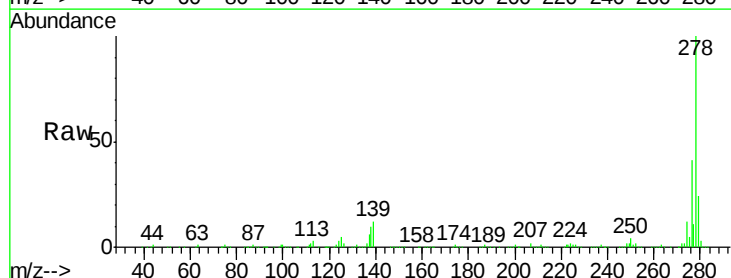
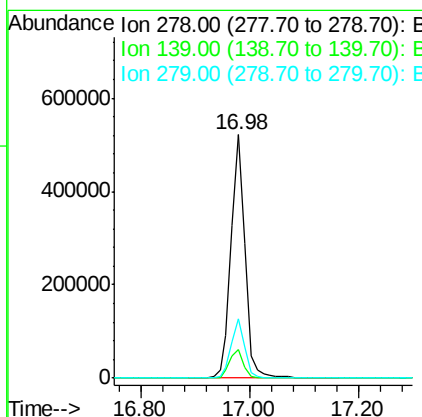
Manual Integrations
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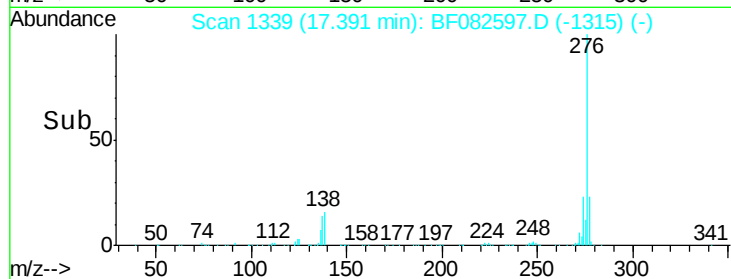
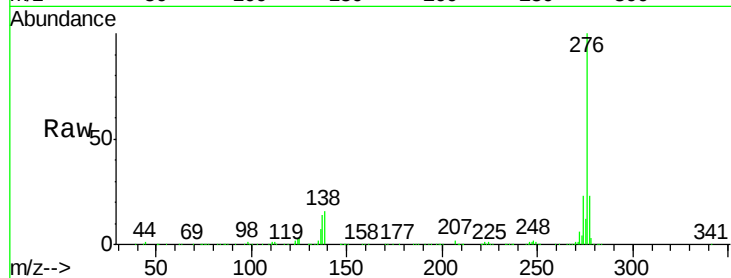
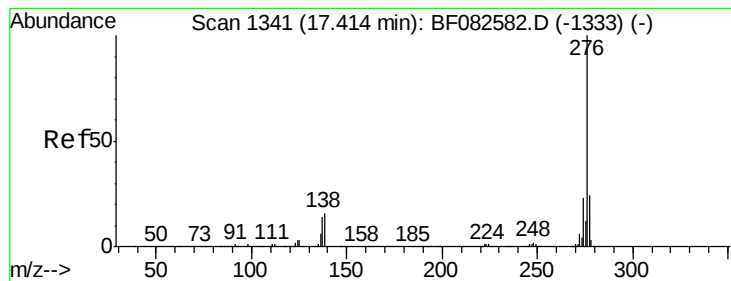
Mmdadoda
11/2/2015 4:32:14 PM



#90
Dibenzo(a,h)anthracene
Concen: 40.63 ng
RT: 16.98 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF082597.D
Acq: 31 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.9	14.9
279	24.3	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 41.17 ng

RT: 17.39 min Scan# 1339

Delta R.T. -0.02 min

Lab File: BF082597.D

Acq: 31 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

PB86326BSD

Tgt Ion:	276	Resp:	914646
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.2	28.8
138	16.0	13.1	19.7

Manual Integrations
APPROVED

Mmdadoda
11/2/2015 4:32:14 PM

