

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
 Data File : BF084426.D
 Acq On : 12 Jan 2016 23:11
 Operator : SJ/UM
 Sample : PB87777BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

Manual Integrations
 APPROVED

MMdadoda
 1/13/2016 3:29:48 PM

Quant Time: Jan 13 01:37:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	272420	20.00	ng	-0.06
21) Naphthalene-d8	8.13	136	1118309	20.00	ng	-0.06
38) Acenaphthene-d10	9.88	164	478934	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	895528	20.00	ng	-0.06
75) Chrysene-d12	14.01	240	641205	20.00	ng	-0.06
86) Perylene-d12	15.43	264	483980	20.00	ng	-0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1911986	113.52	ng	-0.03
7) Phenol-d6	6.49	99	2478554	117.17	ng	-0.05
23) Nitrobenzene-d5	7.41	82	1598549	79.56	ng	-0.06
41) 2,4,6-Tribromophenol	10.68	330	630737	130.45	ng	-0.06
44) 2-Fluorobiphenyl	9.21	172	2290494	84.06	ng	-0.06
78) Terphenyl-d14	12.96	244	2157360	75.10	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	274671	34.43	ng	# 79
3) Pyridine	3.21	79	840172	37.77	ng	# 83
4) n-Nitrosodimethylamine	3.15	42	387769	33.96	ng	# 94
6) Aniline	6.51	93	766620	24.77	ng	94
8) 2-Chlorophenol	6.64	128	761789	39.87	ng	92
9) Benzaldehyde	6.38	77	133262	9.68	ng	97
10) Phenol	6.51	94	810949	33.72	ng	83
11) bis(2-Chloroethyl)ether	6.58	93	712301	38.23	ng	# 82
12) 1,3-Dichlorobenzene	6.78	146	800195	40.59	ng	99
13) 1,4-Dichlorobenzene	6.86	146	795995m	40.27	ng	
14) 1,2-Dichlorobenzene	7.01	146	721086	38.09	ng	98
15) Benzyl Alcohol	6.99	79	633674	35.61	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1227411	36.18	ng	86
17) 2-Methylphenol	7.10	107	629607	39.31	ng	97
18) Hexachloroethane	7.36	117	309541	39.16	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	546024	38.13	ng	# 80
20) 3+4-Methylphenols	7.26	107	741300	39.38	ng	# 81
22) Acetophenone	7.25	105	1004492	37.35	ng	97
24) Nitrobenzene	7.42	77	741686	36.39	ng	94
25) Isophorone	7.66	82	1483017	38.59	ng	97
26) 2-Nitrophenol	7.74	139	390357	42.09	ng	# 85
27) 2,4-Dimethylphenol	7.79	122	712578	37.95	ng	92
28) bis(2-Chloroethoxy)methane	7.88	93	906599	38.62	ng	98
29) 2,4-Dichlorophenol	8.00	162	660196	42.22	ng	96
30) 1,2,4-Trichlorobenzene	8.08	180	653436	40.47	ng	# 92
31) Naphthalene	8.16	128	2171922	42.81	ng	99
32) Benzoic acid	7.92	122	391412	34.44	ng	96
33) 4-Chloroaniline	8.20	127	350312	15.06	ng	95
34) Hexachlorobutadiene	8.27	225	356887	38.45	ng	98
35) Caprolactam	8.57	113	213193m	40.44	ng	
36) 4-Chloro-3-methylphenol	8.69	107	695337	39.69	ng	95
37) 2-Methylnaphthalene	8.84	142	1367525	37.55	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	604170	43.88	ng	98
40) Hexachlorocyclopentadiene	9.00	237	691472	83.19	ng	99

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Quant Time: Jan 13 01:37:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	444567	43.16	nq	95
43) 2,4,5-Trichlorophenol	9.17	196	453811	45.96	nq	95
45) 1,1'-Biphenyl	9.31	154	1782264	46.82	nq	99
46) 2-Chloronaphthalene	9.33	162	1315915	44.01	nq	93
47) 2-Nitroaniline	9.44	65	443996	44.99	nq	# 58
48) Acenaphthylene	9.74	152	1860744	42.12	nq	97
49) Dimethylphthalate	9.62	163	1563710	45.67	nq	# 91
50) 2,6-Dinitrotoluene	9.68	165	373001	49.67	nq	# 84
51) Acenaphthene	9.92	154	1399220	47.22	nq	98
52) 3-Nitroaniline	9.84	138	202634	21.78	nq	95
53) 2,4-Dinitrophenol	9.95	184	373609	115.16	nq	# 87
54) Dibenzofuran	10.09	168	1684860	43.83	nq	92
55) 4-Nitrophenol	10.02	139	488047	72.26	nq	# 79
56) 2,4-Dinitrotoluene	10.08	165	414993	43.66	nq	# 89
57) Fluorene	10.43	166	1233194	41.36	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	370774	43.98	nq	91
59) Diethylphthalate	10.32	149	1514465	44.86	nq	97
60) 4-Chlorophenyl-phenylether	10.43	204	650862	53.47	nq	89
61) 4-Nitroaniline	10.46	138	384377	46.34	nq	# 73
62) Azobenzene	10.59	77	1685553	45.52	nq	96
64) 4,6-Dinitro-2-methylphenol	10.49	198	264240	48.79	nq	86
65) n-Nitrosodiphenylamine	10.54	169	1156816	40.40	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	417289	43.29	nq	94
67) Hexachlorobenzene	10.98	284	427116	39.37	nq	# 88
68) Atrazine	11.08	200	417900	44.60	nq	94
69) Pentachlorophenol	11.17	266	423343	75.26	nq	97
70) Phenanthrene	11.39	178	1926072	41.12	nq	97
71) Anthracene	11.45	178	2085452	45.42	nq	97
72) Carbazole	11.61	167	1860939	41.45	nq	97
73) Di-n-butylphthalate	11.94	149	2242997	47.74	nq	# 97
74) Fluoranthene	12.58	202	1879821	38.42	nq	97
76) Benzidine	12.71	184	549361	23.90	nq	99
77) Pyrene	12.81	202	1912698	38.01	nq	97
79) Butylbenzylphthalate	13.44	149	889823	40.87	nq	# 89
80) Benzo(a)anthracene	14.00	228	1498250	39.79	nq	98
81) 3,3'-Dichlorobenzidine	13.96	252	382469	29.11	nq	# 96
82) Chrysene	14.03	228	1235561	34.15	nq	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	1008261	36.65	nq	# 95
84) Di-n-octyl phthalate	14.60	149	1602070	34.50	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.82	276	1394111	48.61	nq	96
87) Benzo(b)fluoranthene	15.03	252	1335303m	42.18	nq	
88) Benzo(k)fluoranthene	15.05	252	1107856m	42.79	nq	
89) Benzo(a)pyrene	15.37	252	1165949	43.42	nq	# 94
90) Dibenzo(a,h)anthracene	16.84	278	1144984	49.55	nq	98
91) Benzo(g,h,i)perylene	17.24	276	1211787	50.64	nq	96

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

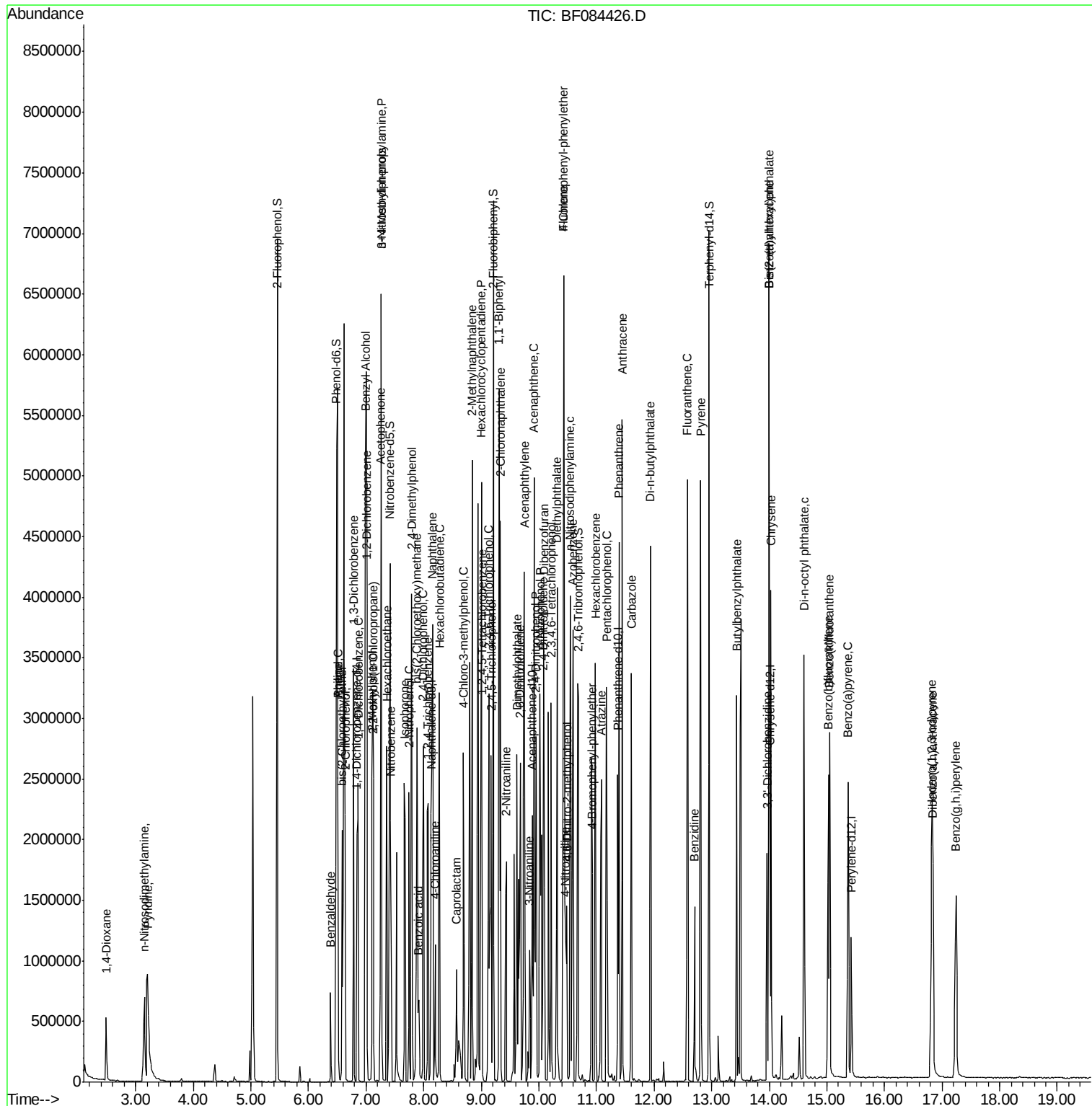
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Data File : BF084426.D  
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Operator  : SJ/UM  
Sample    : PB87777BS  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
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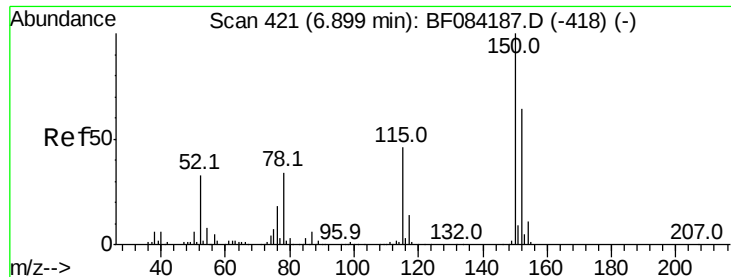
Instrument :
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Manual Integrations APPROVED

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#1

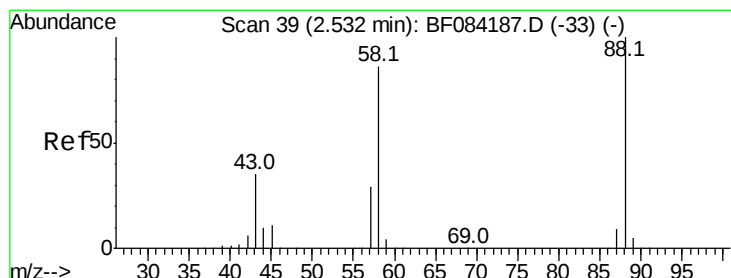
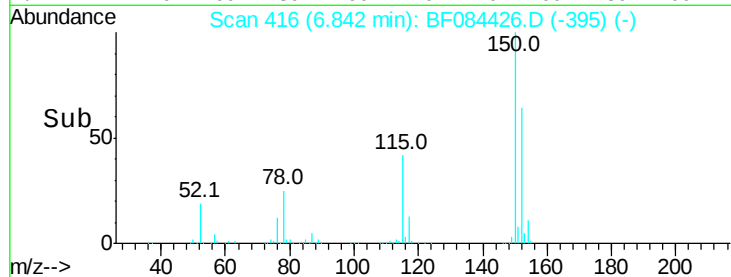
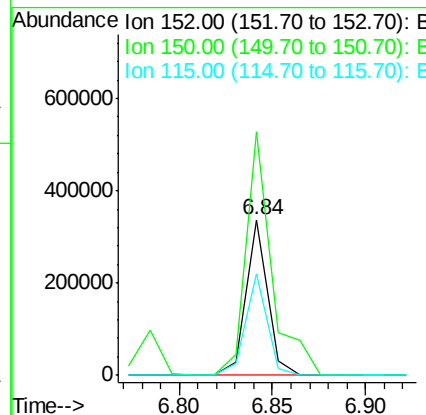
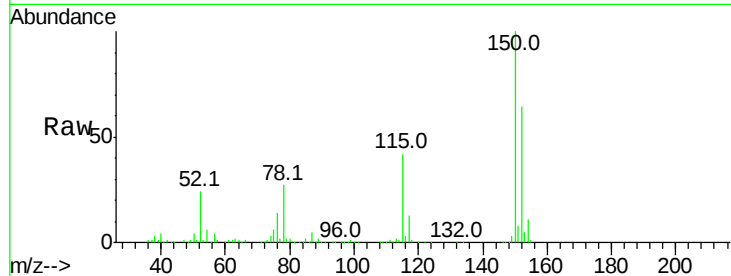
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.0	184.4
115	65.2	51.4	77.2

Manual Integrations
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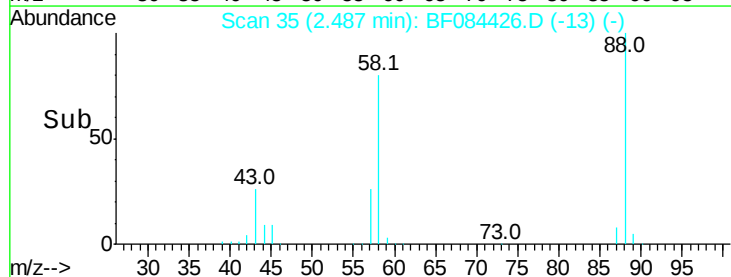
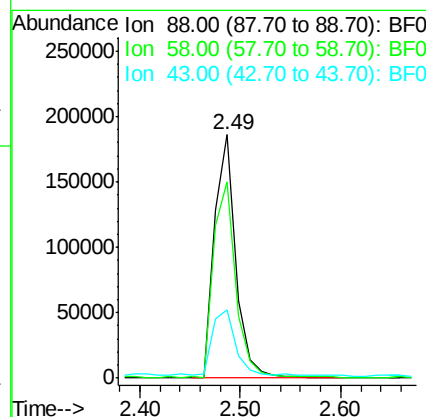
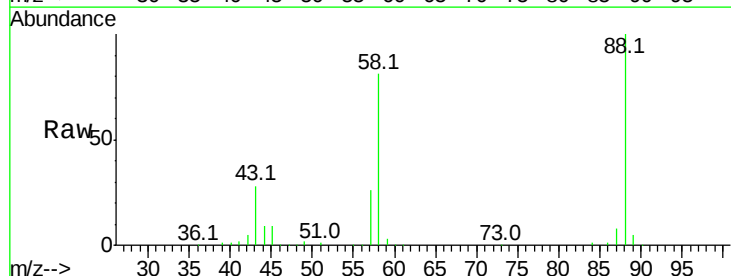
MMdadoda
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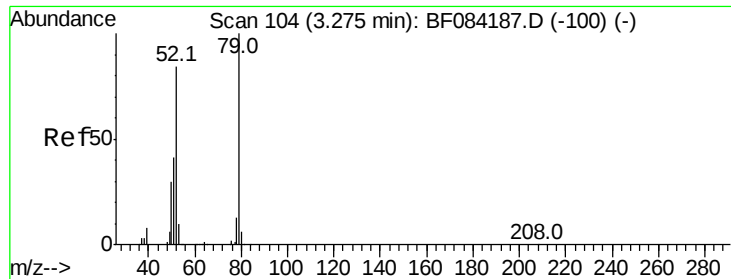


#2

1,4-Dioxane
Concen: 34.43 ng
RT: 2.49 min Scan# 35
Delta R.T. -0.05 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.5	51.2	76.8#
43	29.1	19.5	29.3





#3

Pvridine

Concen: 37.77 ng

RT: 3.21 min Scan# 98

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

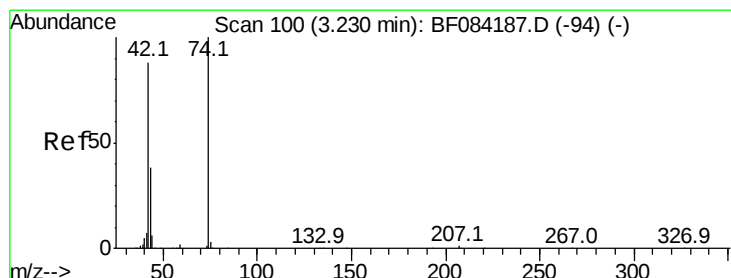
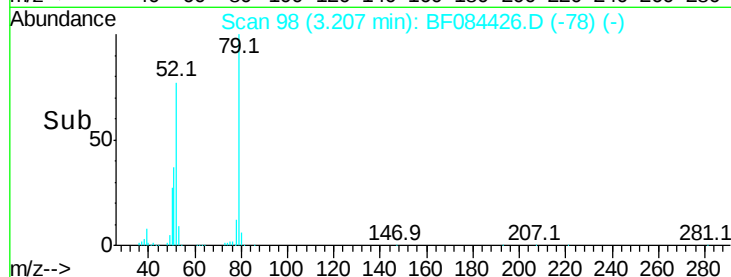
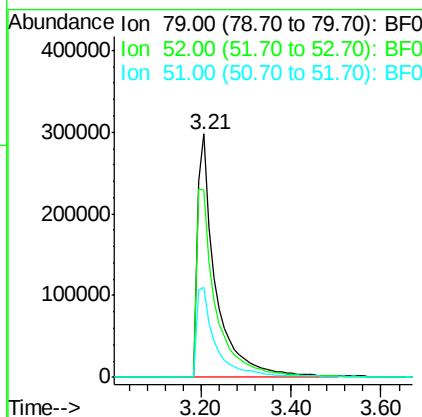
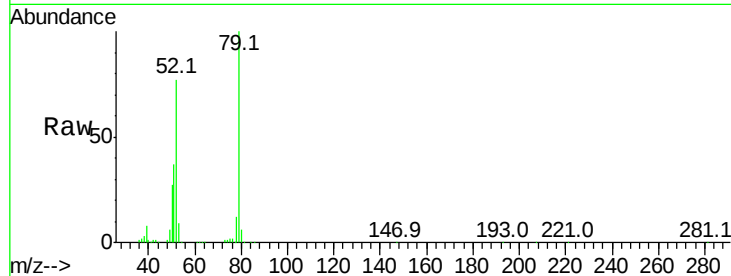
ClientSampleId :

PB87777BS

Tot Ion:	79	Resp:	840172
Ion Ratio	Lower	Upper	
79	100		
52	76.9	49.0	73.4#
51	37.0	25.2	37.8

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 33.96 ng

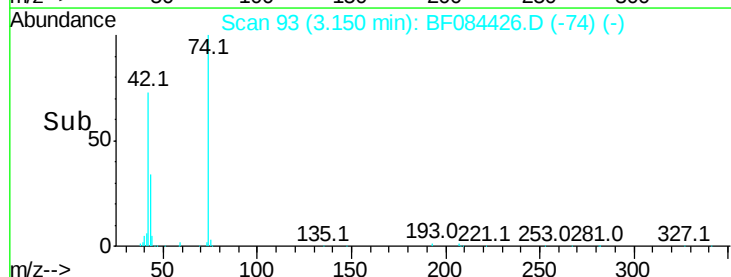
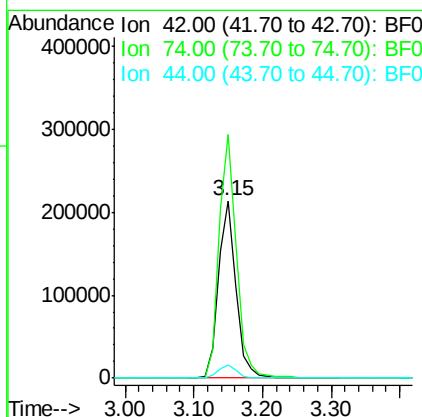
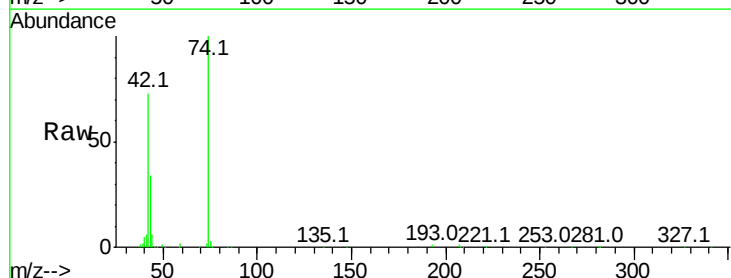
RT: 3.15 min Scan# 93

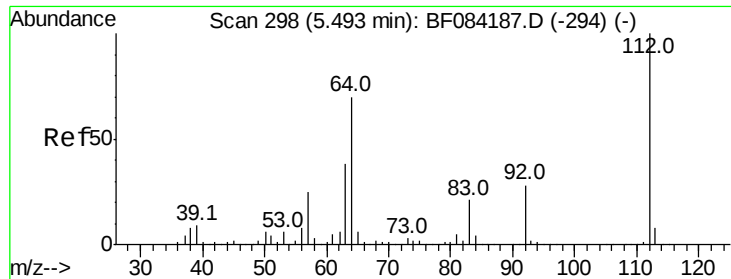
Delta R.T. -0.08 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:	42	Resp:	387769
Ion Ratio	Lower	Upper	
42	100		
74	137.2	115.7	173.5
44	7.7	5.1	7.7#





#5

2-Fluorophenol

Concen: 113.52 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampled :

PB8777BS

Tot Ion:112 Resp: 1911986

Ion Ratio Lower Upper

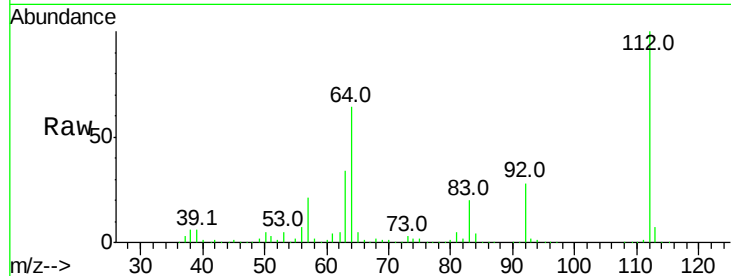
112 100

64 63.9 36.6 55.0#

63 33.6 19.4 29.0#

Manual Integrations
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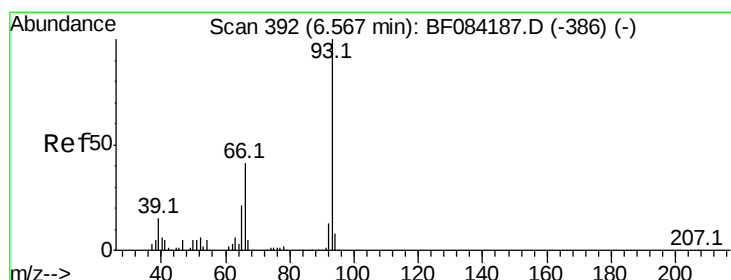
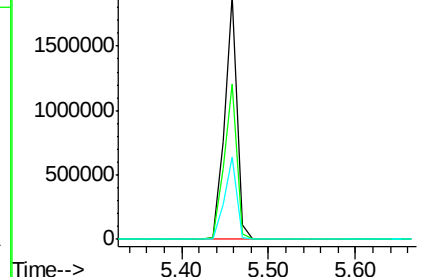
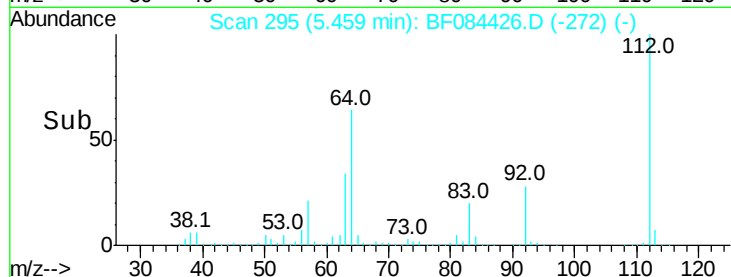
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.77 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

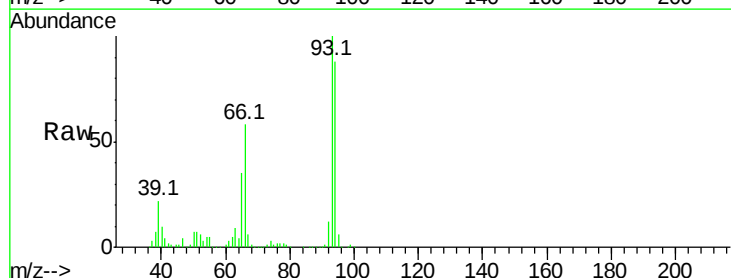
Tgt Ion: 93 Resp: 766620

Ion Ratio Lower Upper

93 100

66 58.3 44.9 67.3

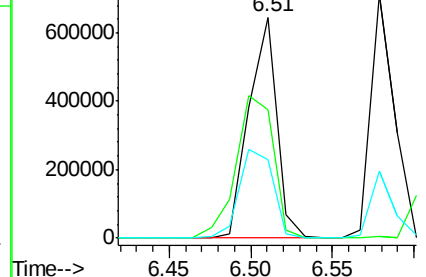
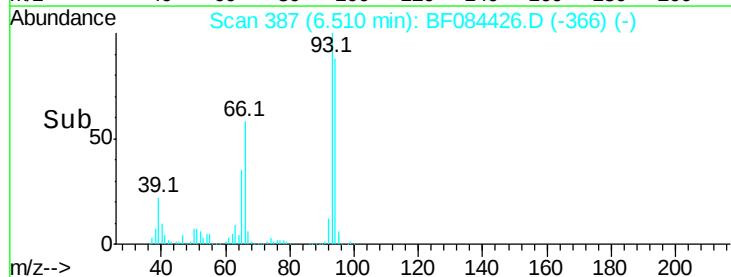
65 35.5 23.7 35.5

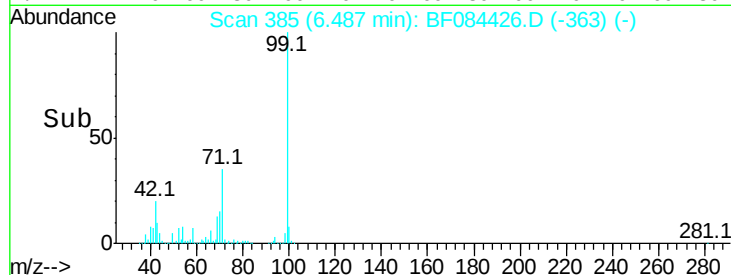
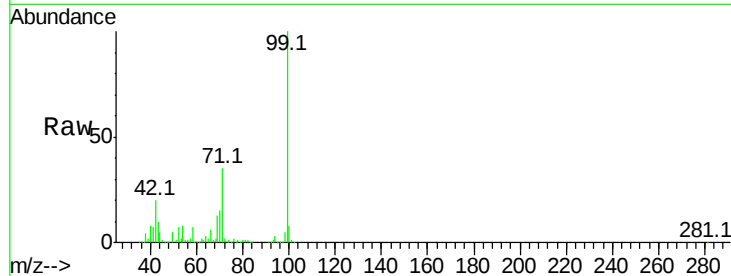
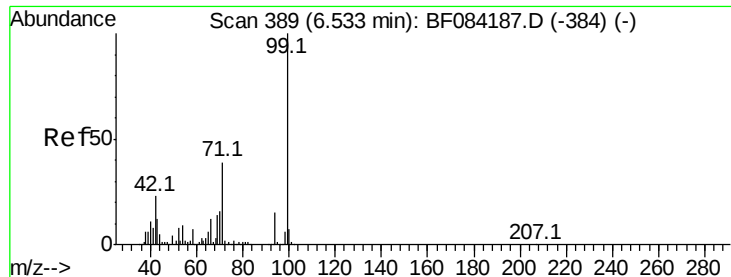


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 117.17 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tot Ion: 99 Resp: 2478554

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

71 35.0 30.9 46.3

Instrument :

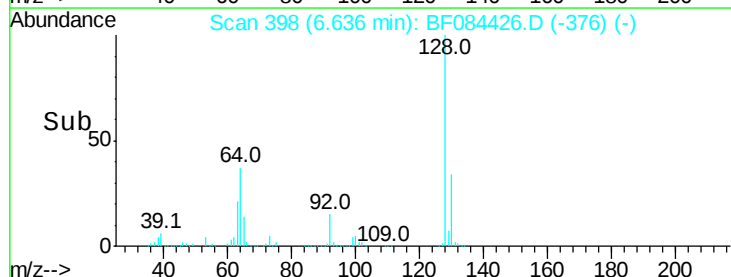
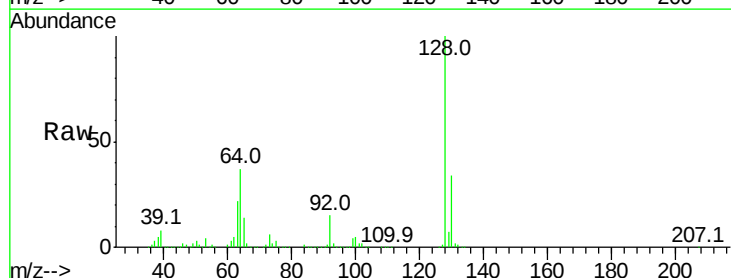
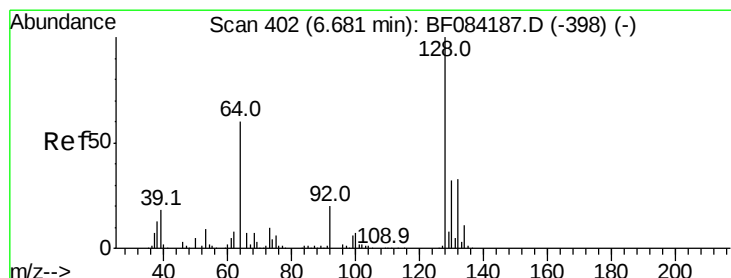
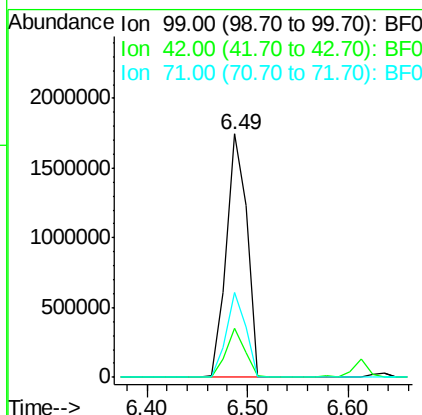
BNA_F

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PB87777BS

Manual Integrations
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#8

2-Chlorophenol

Concen: 39.87 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

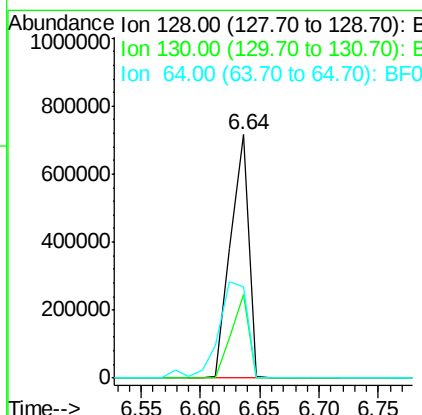
Tgt Ion:128 Resp: 761789

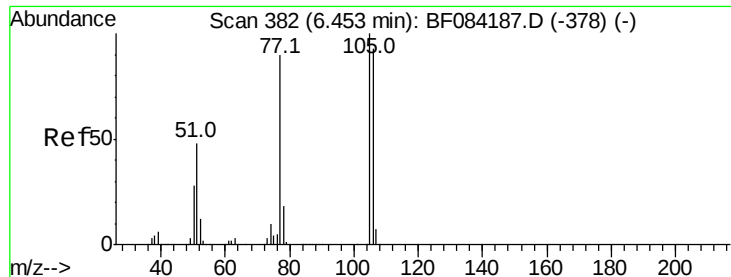
Ion Ratio Lower Upper

128 100

130 34.3 11.6 51.6

64 37.4 23.8 63.8





#9

Benzaldehyde

Concen: 9.68 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

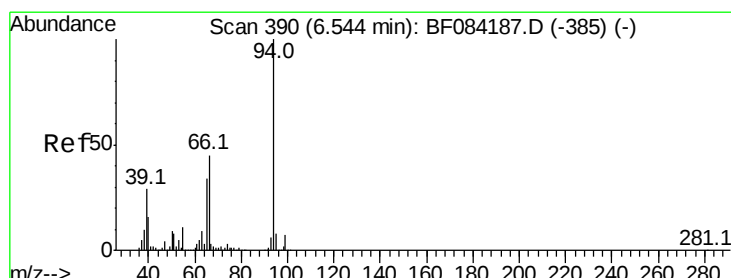
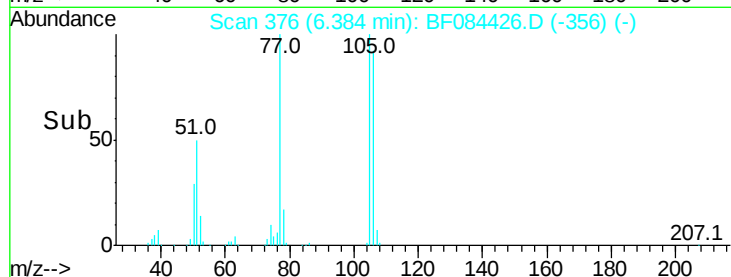
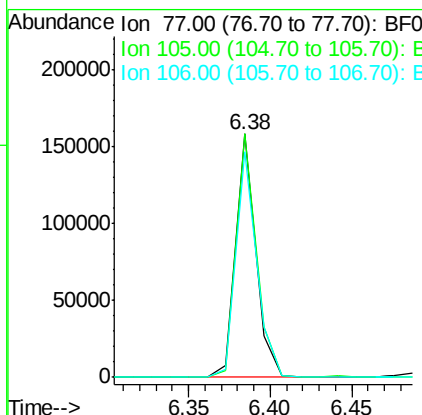
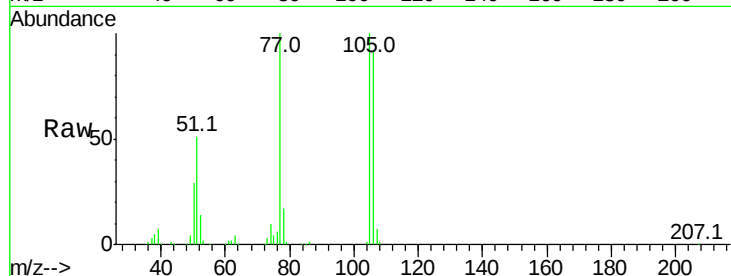
ClientSampleId :

PB8777BS

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Tot Ion	Ratio	Lower	Upper
77	100		
105	99.9	83.0	123.0
106	92.5	74.6	114.6



#10

Phenol

Concen: 33.72 ng

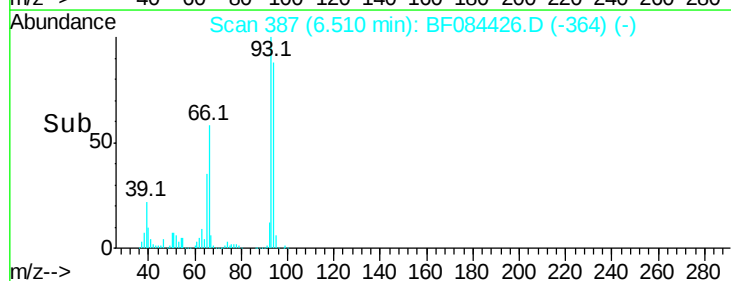
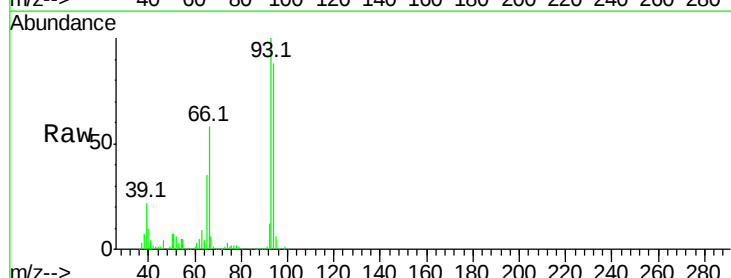
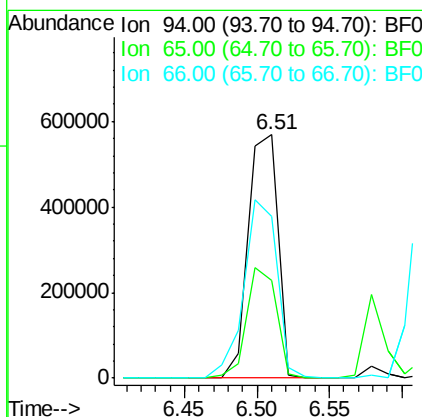
RT: 6.51 min Scan# 387

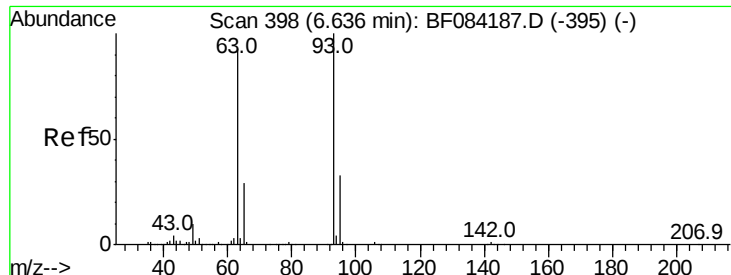
Delta R.T. -0.03 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
94	100		
65	40.3	12.9	52.9
66	66.2	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 38.23 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

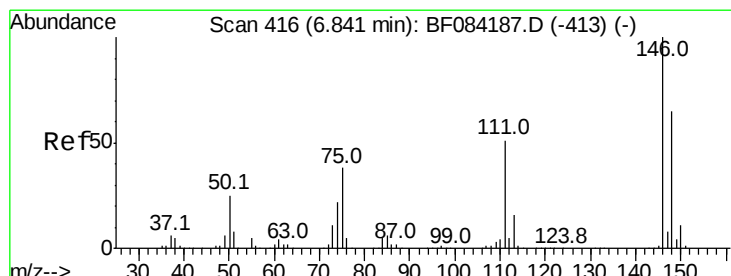
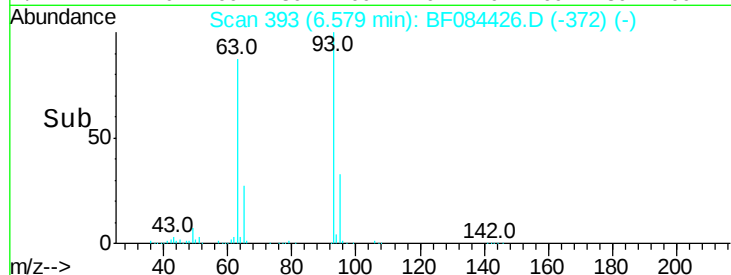
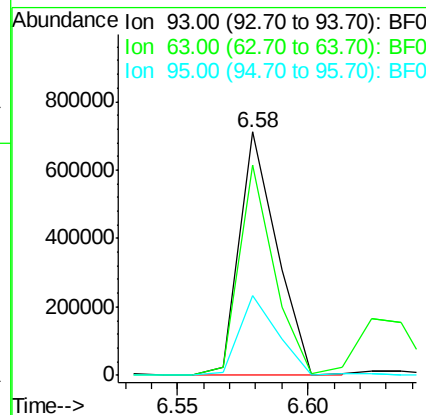
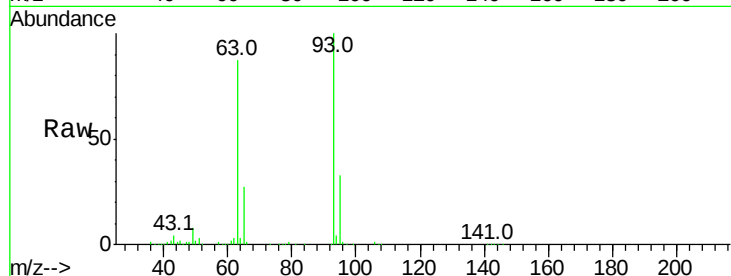
ClientSampleId :

PB8777BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	86.5	45.9	85.9#
95	33.0	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 40.59 ng

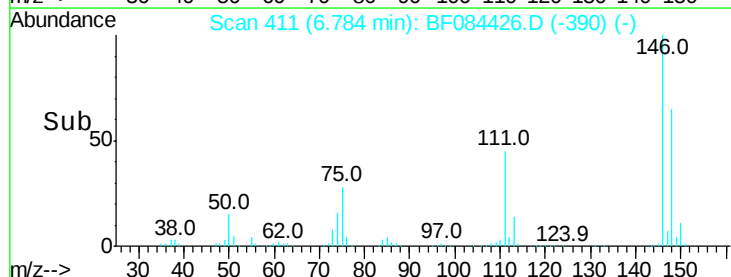
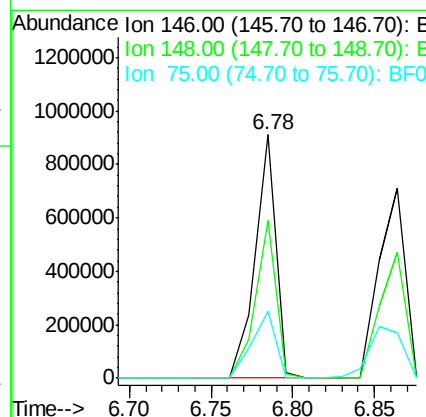
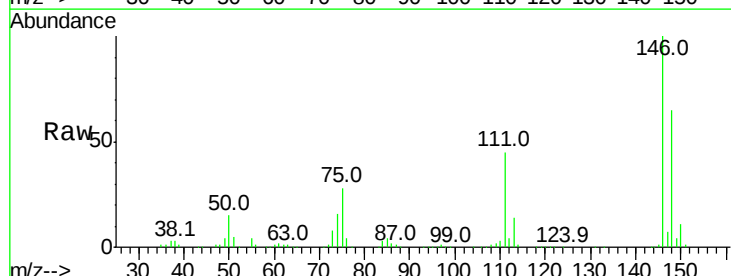
RT: 6.78 min Scan# 411

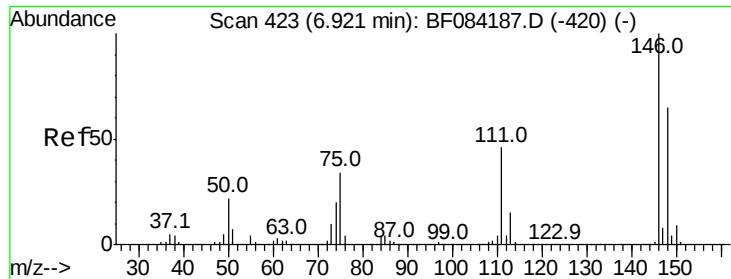
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
75	27.7	20.5	30.7





#13

1,4-Dichlorobenzene

Concen: 40.27 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

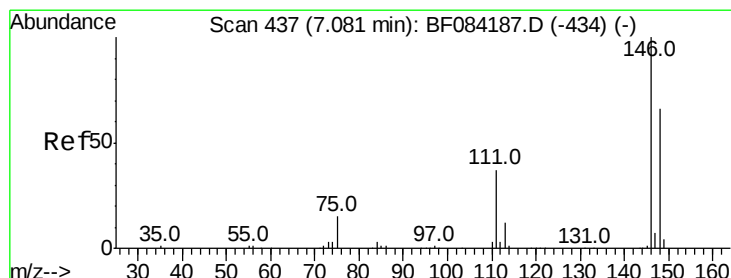
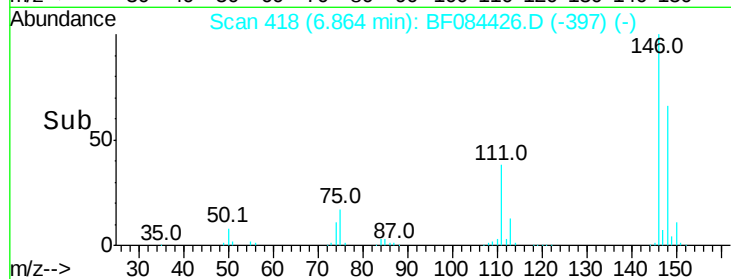
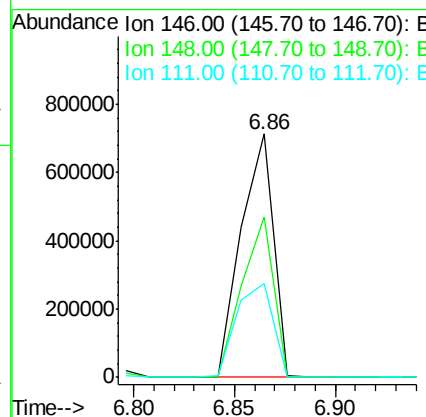
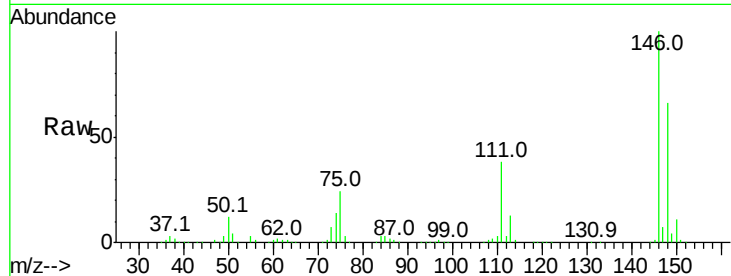
ClientSampleId :

PB8777BS

Tot Ion:	146	Resp:	795995
Ion Ratio	Lower	Upper	
146	100		
148	65.8	51.9	77.9
111	38.4	41.6	62.4#

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 38.09 ng

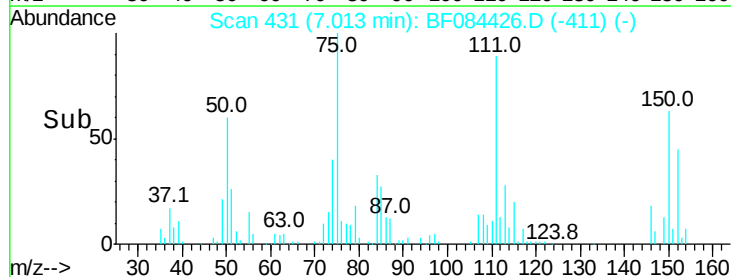
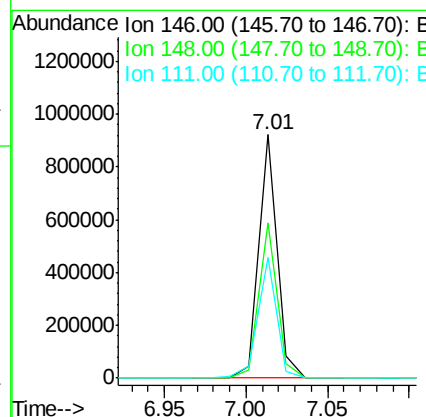
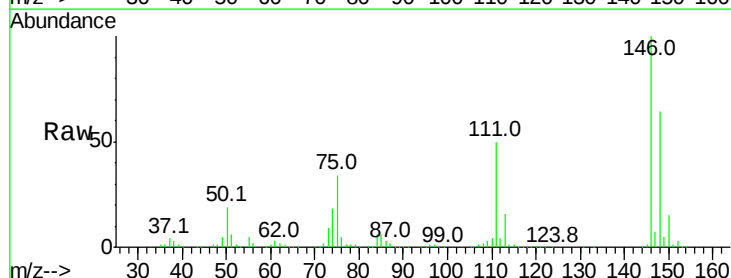
RT: 7.01 min Scan# 431

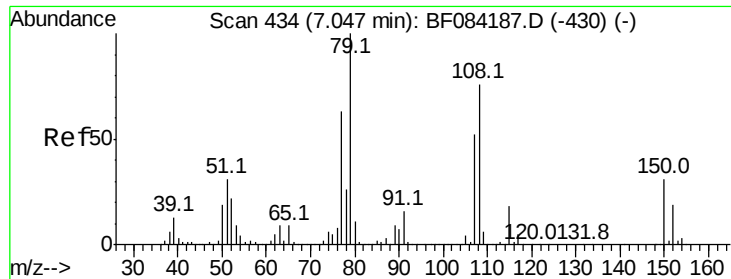
Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:	146	Resp:	721086
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.6	77.4
111	49.8	38.0	57.0





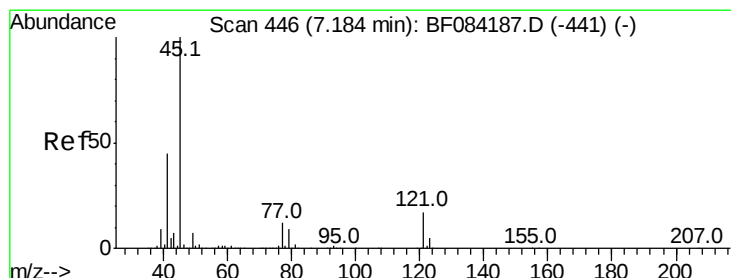
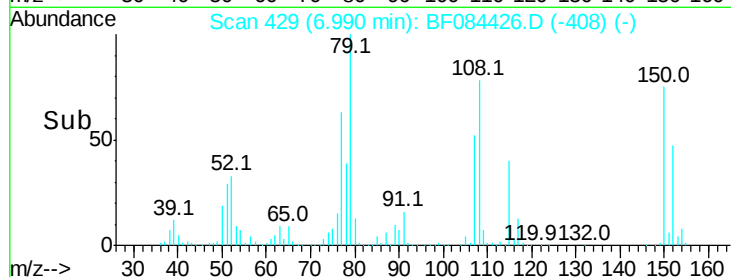
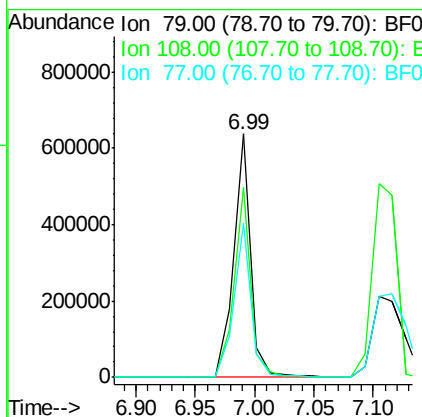
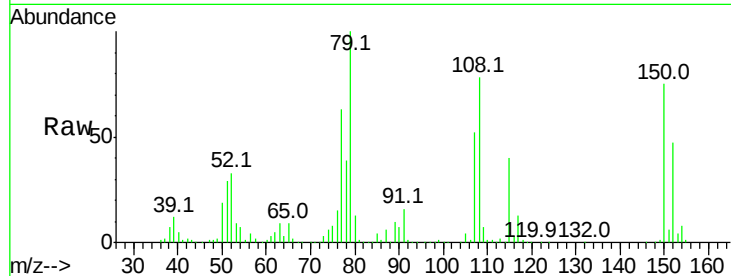
#15
Benzyl Alcohol
Concen: 35.61 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion: 79 Resp: 633674
Ion Ratio Lower Upper
79 100
108 77.9 69.0 103.4
77 63.2 50.0 75.0

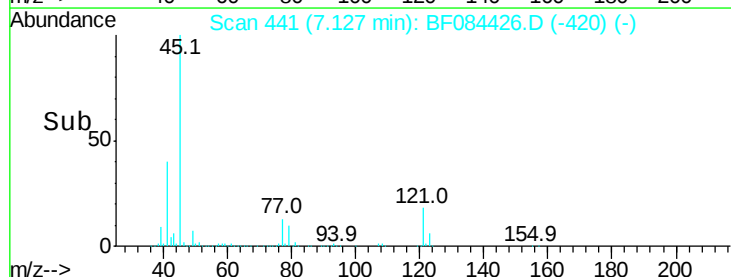
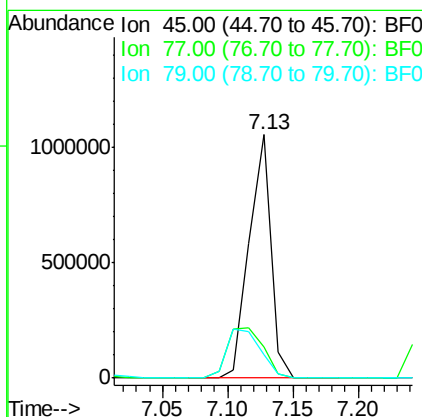
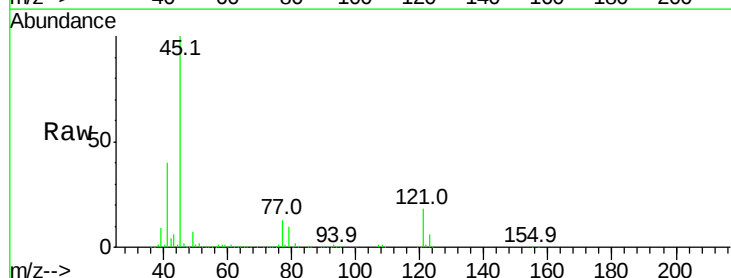
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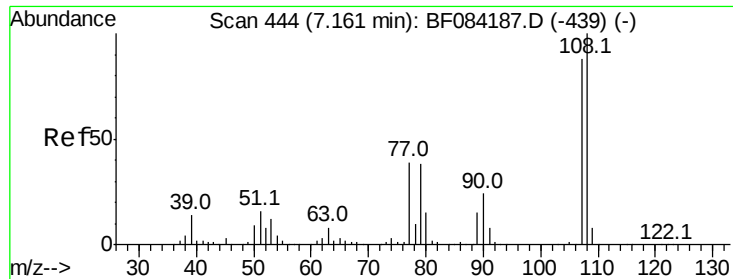
MMdadoda
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.18 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion: 45 Resp: 1227411
Ion Ratio Lower Upper
45 100
77 12.7 0.0 39.6
79 9.8 0.0 35.0





#17

2-Methylphenol

Concen: 39.31 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

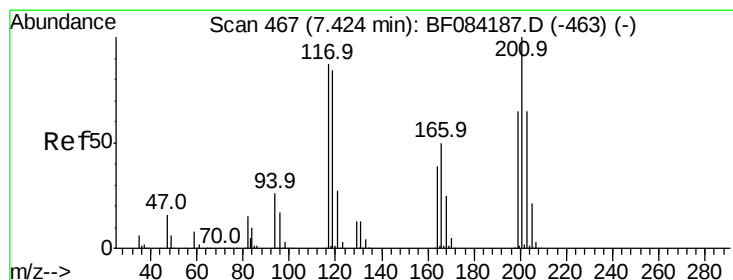
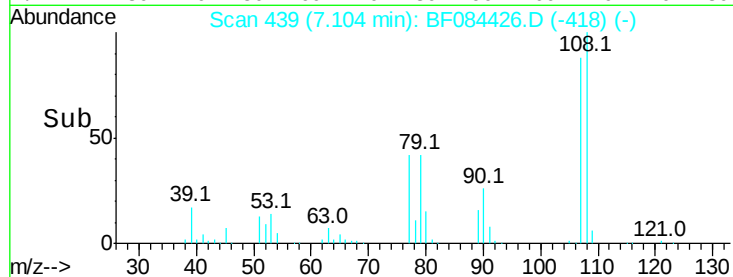
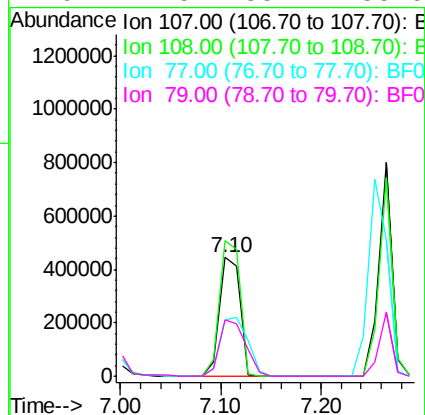
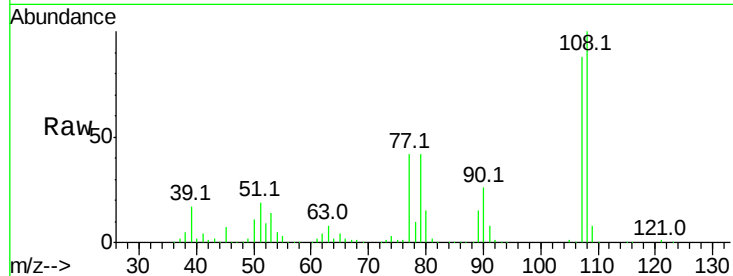
ClientSampleId :

PB8777BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	629607		
108	114.2		89.8	134.6
77	47.8		35.7	53.5
79	47.5		35.7	53.5

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#18

Hexachloroethane

Concen: 39.16 ng

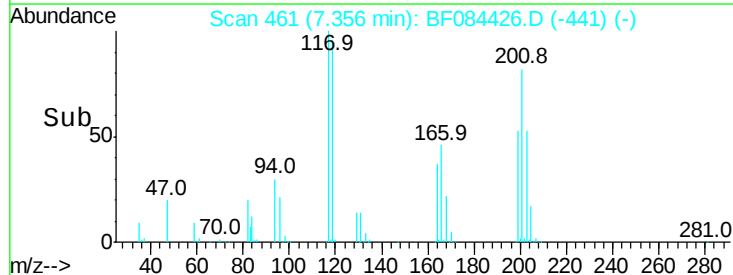
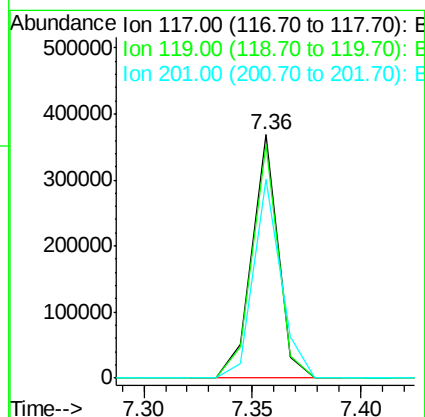
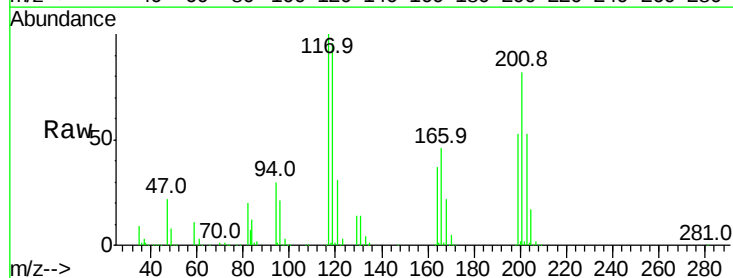
RT: 7.36 min Scan# 461

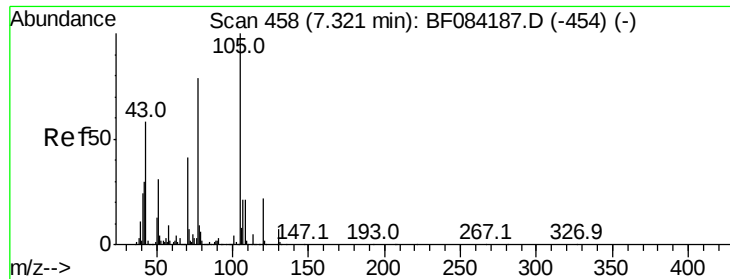
Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	309541		
119	95.7		77.4	116.0
201	81.7		68.6	103.0





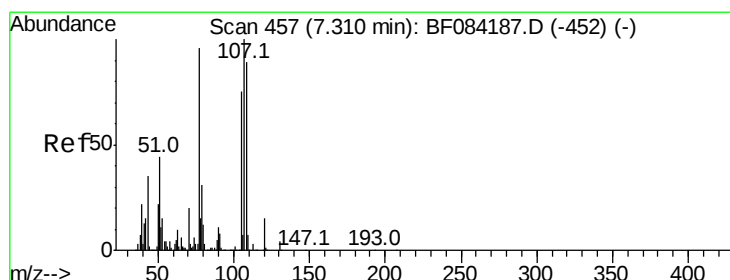
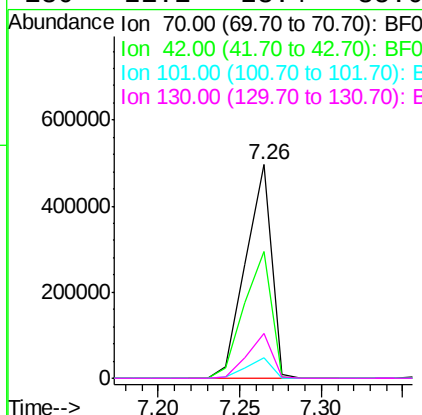
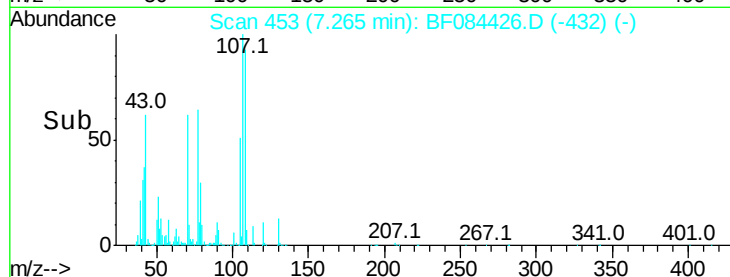
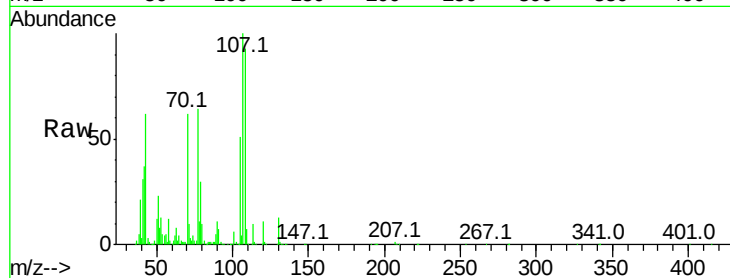
#19
n-Nitroso-di-n-propylamine
Concen: 38.13 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.6	33.3	49.9#
101	9.9	9.3	13.9
130	21.1	23.4	35.0#

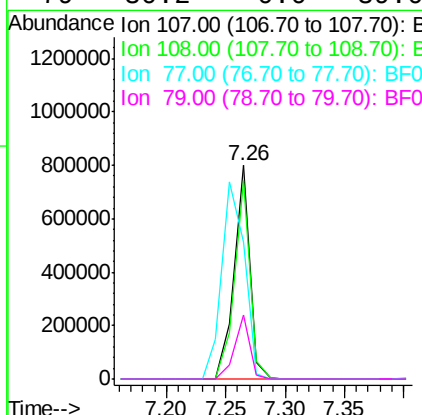
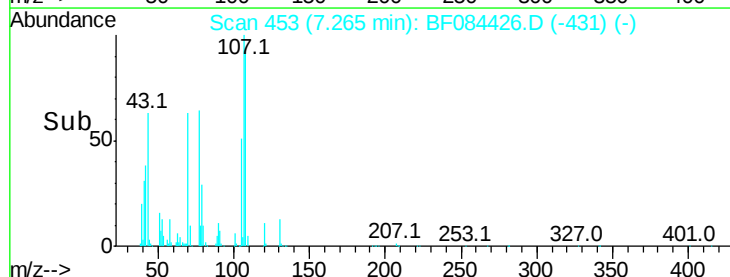
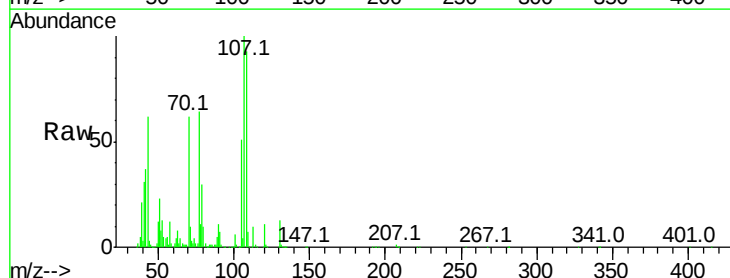
Manual Integrations
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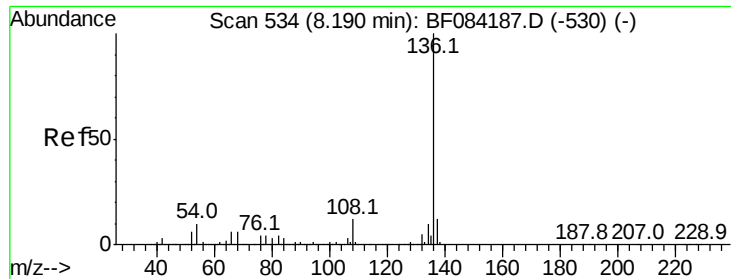
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#20
3+4-Methylphenols
Concen: 39.38 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.05 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.9	74.6	114.6
77	64.4	0.7	40.7#
79	30.2	0.0	39.0





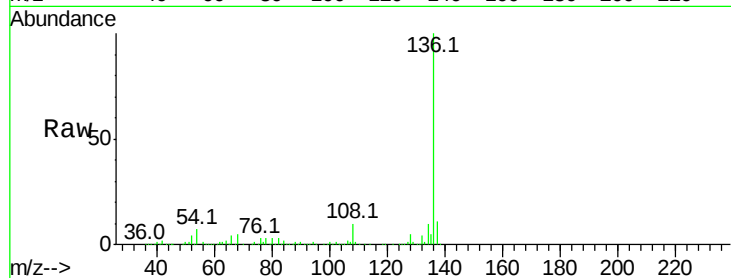
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion	136	Resp	1118309
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.4	5.8	8.8
68	5.0	4.2	6.2

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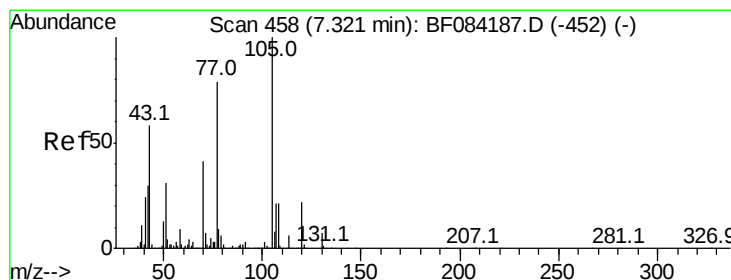
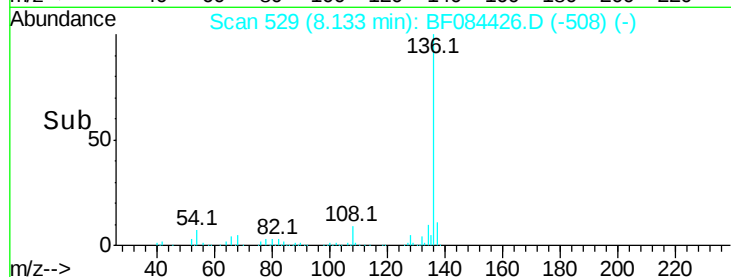
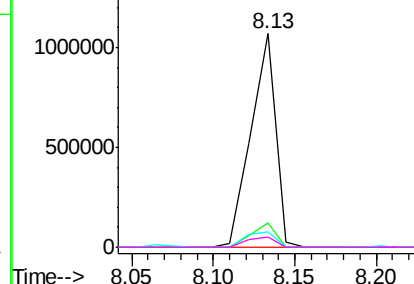
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 37.35 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	105	Resp	1004492
Ion	Ratio	Lower	Upper
105	100		
71	4.8	3.7	5.5
51	34.1	25.1	37.7
120	21.1	16.6	25.0

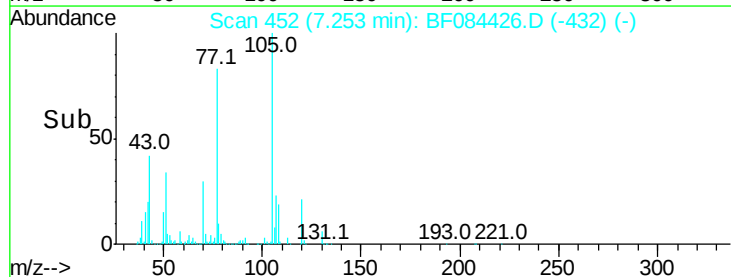
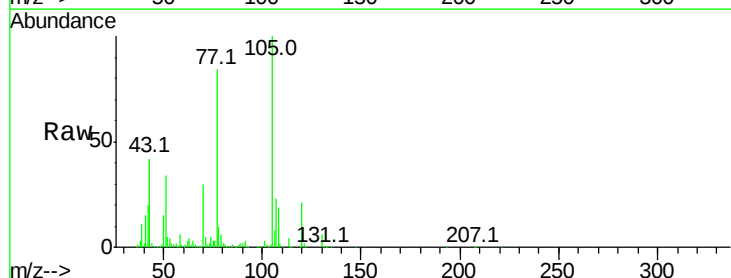
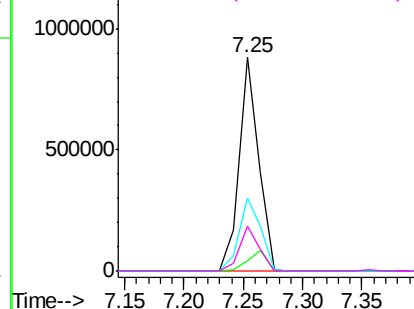
Abundance

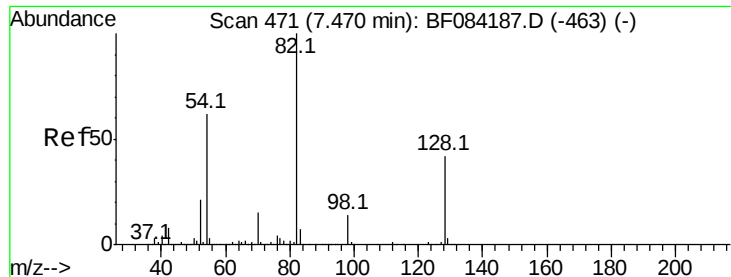
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





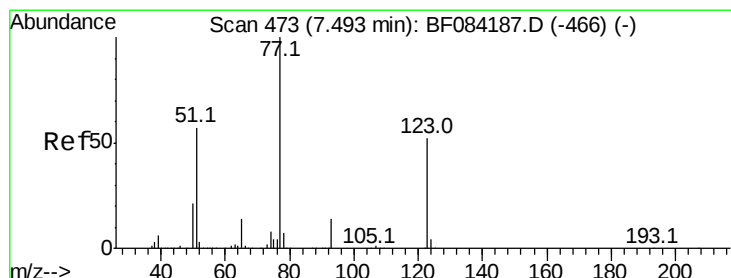
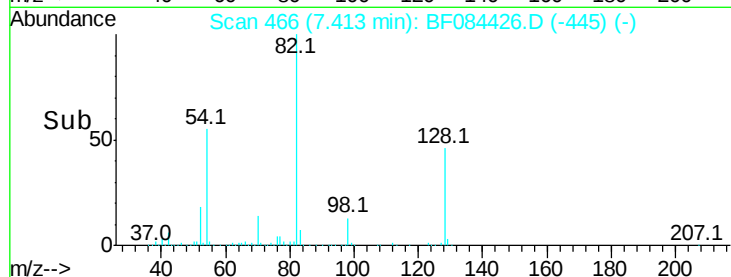
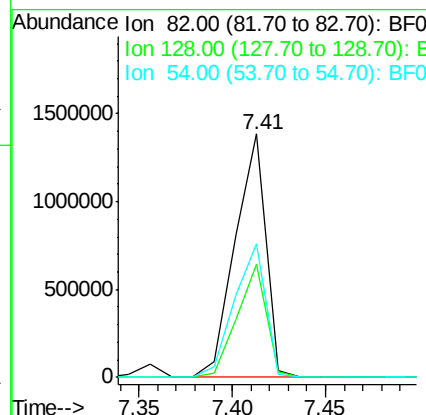
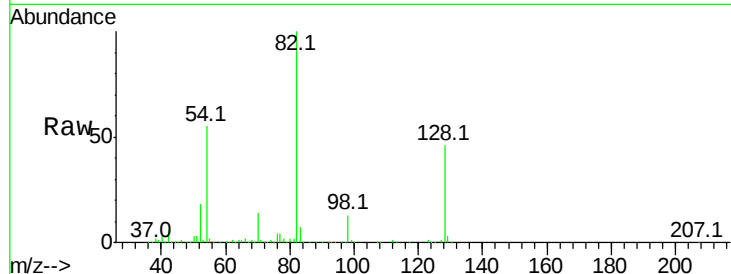
#23
 Nitrobenzene-d5
 Concen: 79.56 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

Tot Ion: 82 Resp: 1598549
 Ion Ratio Lower Upper
 82 100
 128 46.5 34.6 51.8
 54 54.9 38.4 57.6

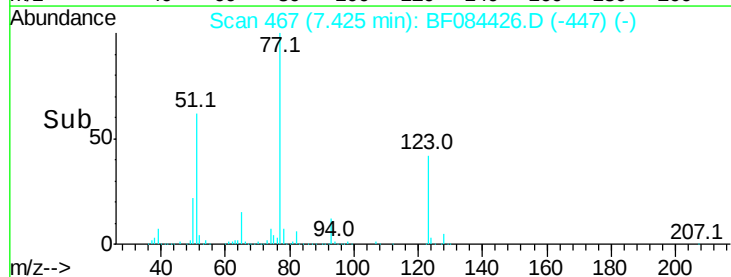
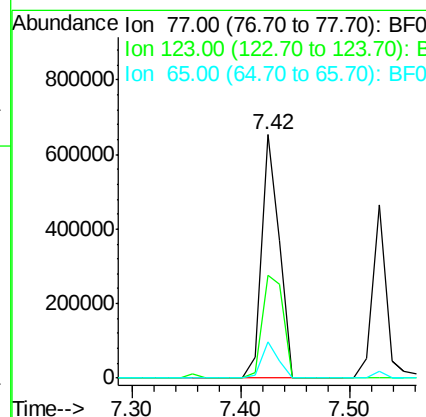
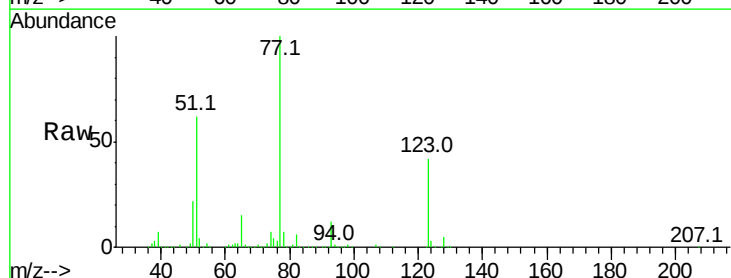
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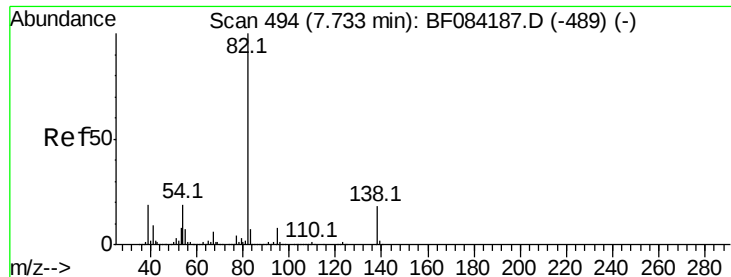
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#24
 Nitrobenzene
 Concen: 36.39 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.07 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion: 77 Resp: 741686
 Ion Ratio Lower Upper
 77 100
 123 42.2 37.4 56.2
 65 14.7 10.9 16.3





#25

Isophorone

Concen: 38.59 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB87777BS

Tot Ion: 82 Resp: 1483017

Ion Ratio Lower Upper

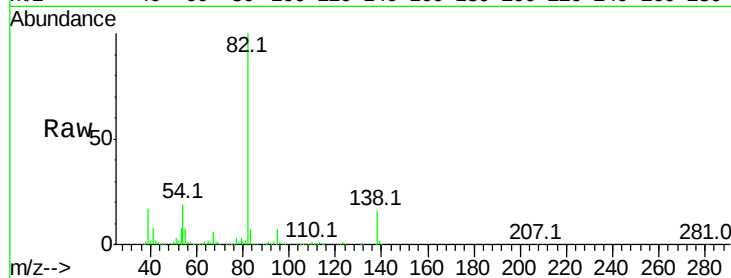
82 100

95 6.9 6.6 10.0

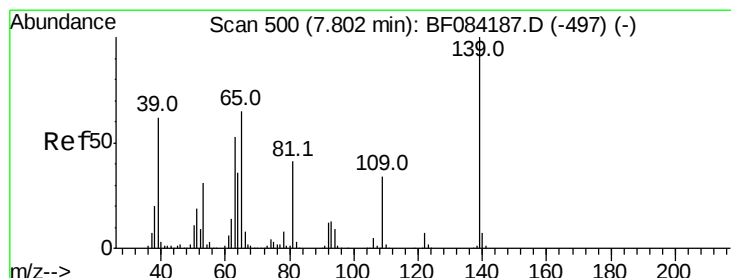
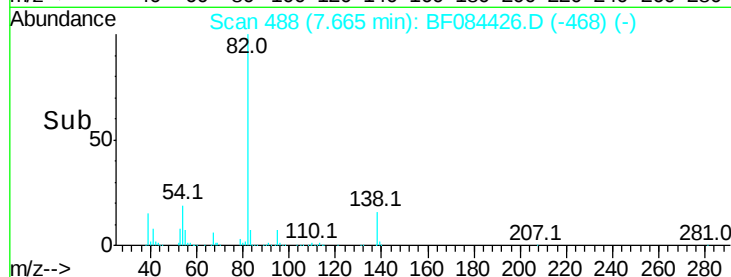
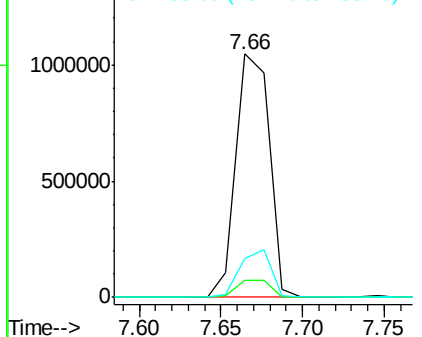
138 15.8 13.6 20.4

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



#26

2-Nitrophenol

Concen: 42.09 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

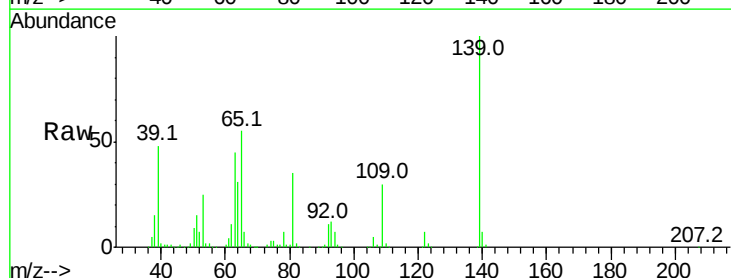
Tgt Ion: 139 Resp: 390357

Ion Ratio Lower Upper

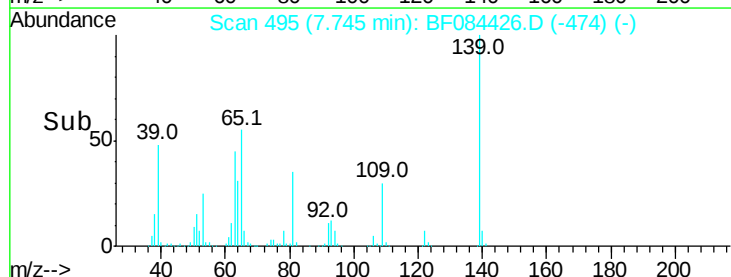
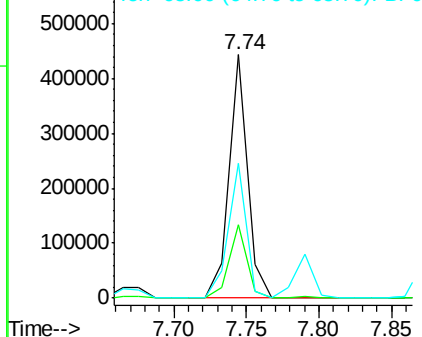
139 100

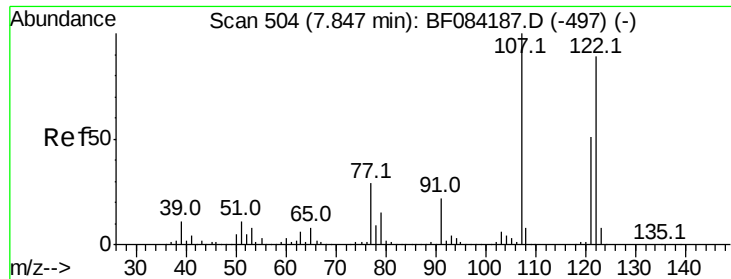
109 30.0 25.4 38.2

65 55.2 32.3 48.5#



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





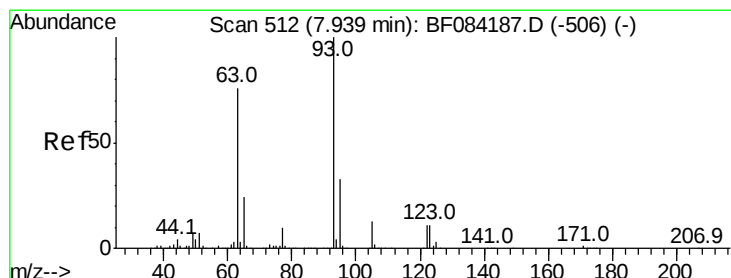
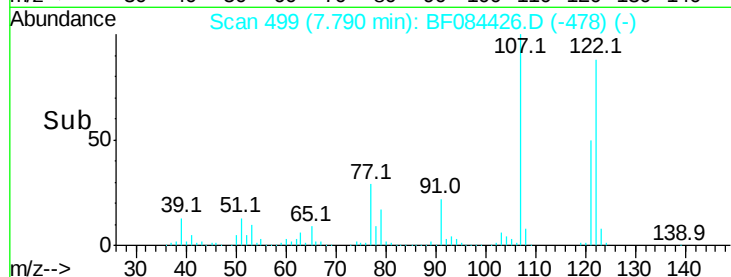
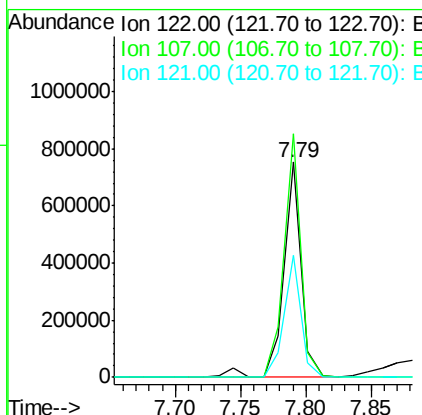
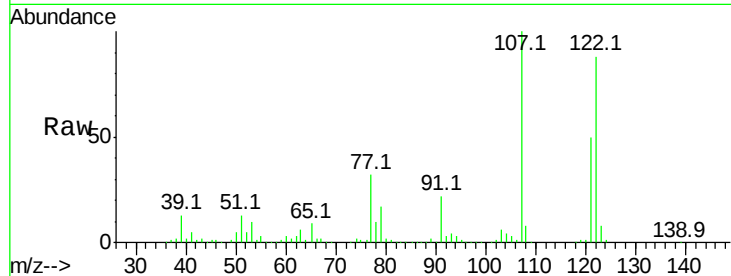
#27
2,4-Dimethylphenol
Concen: 37.95 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	712578		
107	113.2	99.1	148.7	
121	57.0	47.9	71.9	

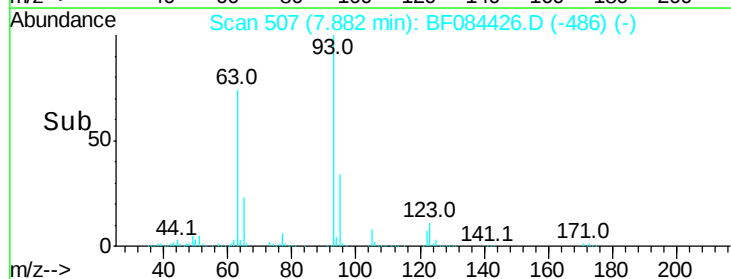
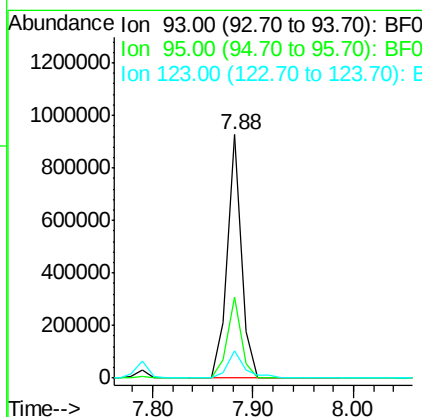
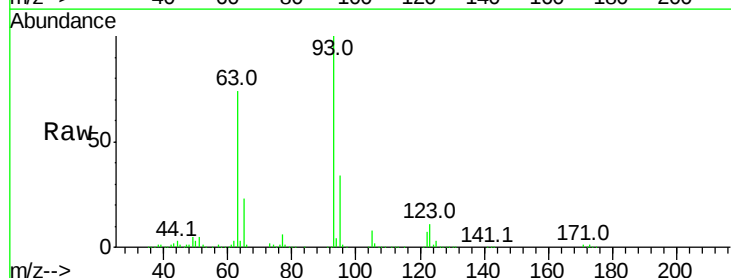
Manual Integrations
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1/13/2016 3:29:48 PM



#28
bis(2-Chloroethoxy)methane
Concen: 38.62 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	906599		
95	33.5	25.8	38.6	
123	11.1	8.6	12.8	





#29

2,4-Dichlorophenol

Concen: 42.22 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.05 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

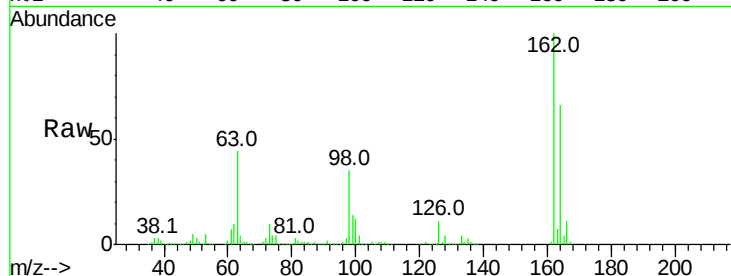
ClientSampleId :

PB87777BS

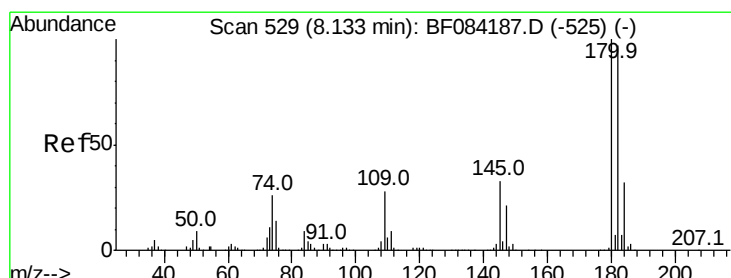
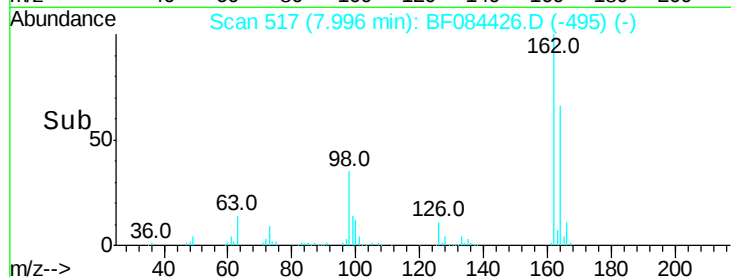
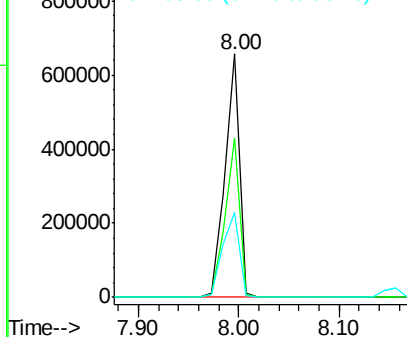
Tot Ion	Ratio	Resp	Lower	Upper
162	100	660196		
164	65.6	44.1	84.1	
98	35.0	20.2	60.2	

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 40.47 ng

RT: 8.08 min Scan# 524

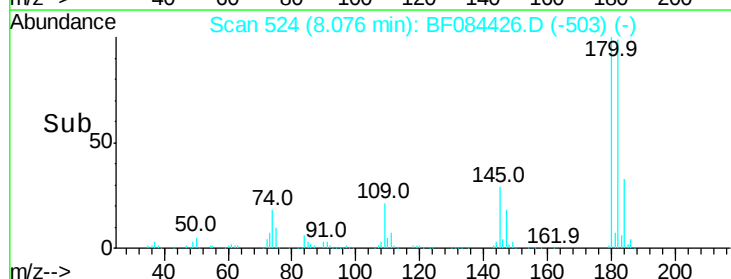
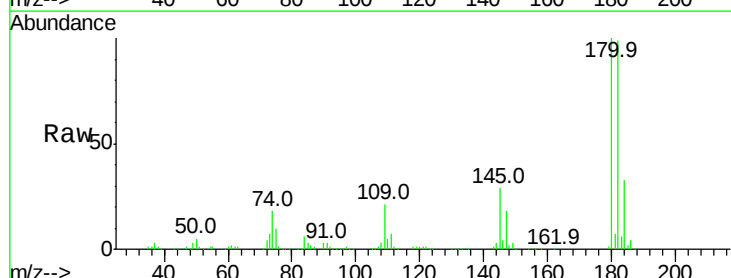
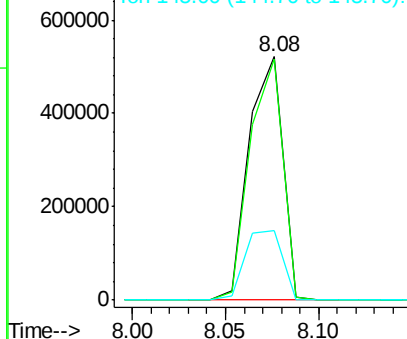
Delta R.T. -0.06 min

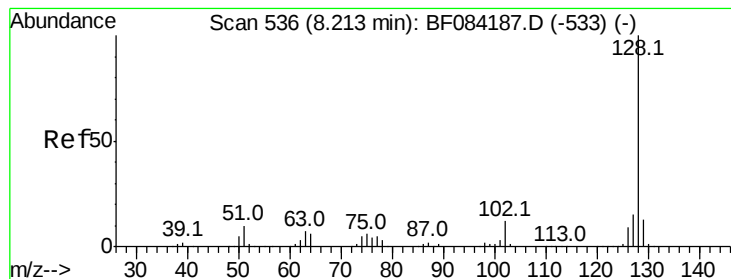
Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	653436		
182	99.2	76.4	114.6	
145	28.5	31.6	47.4#	

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.81 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB8777BS

Tot Ion:128 Resp: 2171922

Ion Ratio Lower Upper

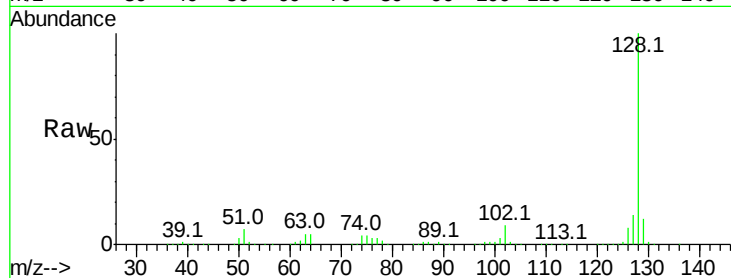
128 100

129 11.9 9.1 13.7

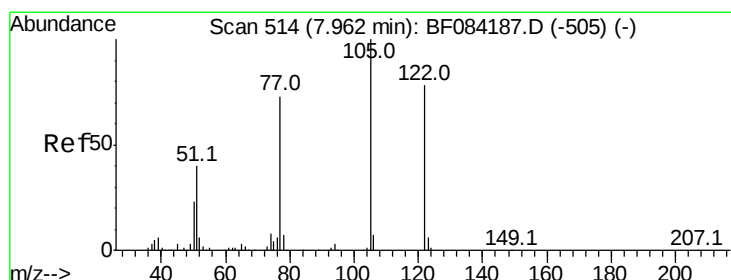
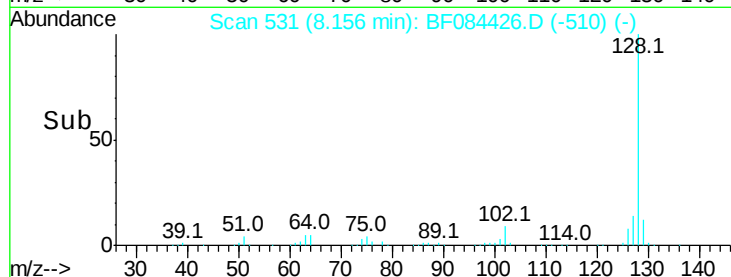
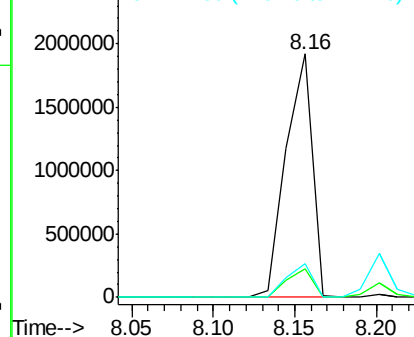
127 13.7 11.1 16.7

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



#32

Benzoic acid

Concen: 34.44 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.04 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

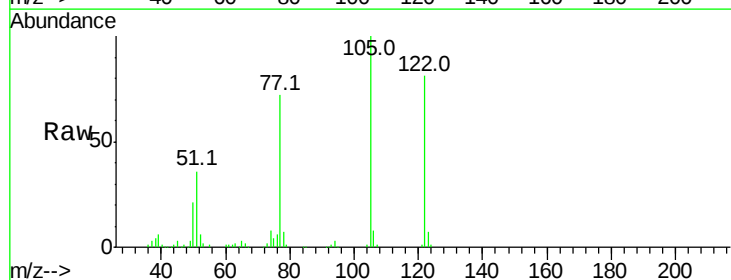
Tgt Ion:122 Resp: 391412

Ion Ratio Lower Upper

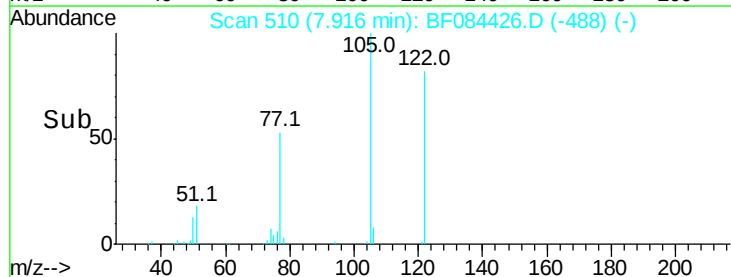
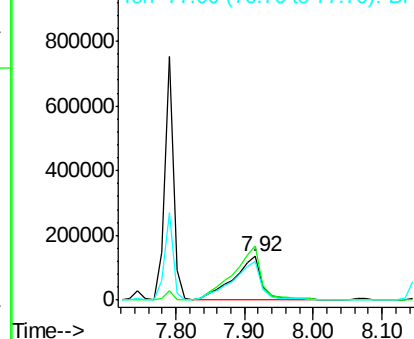
122 100

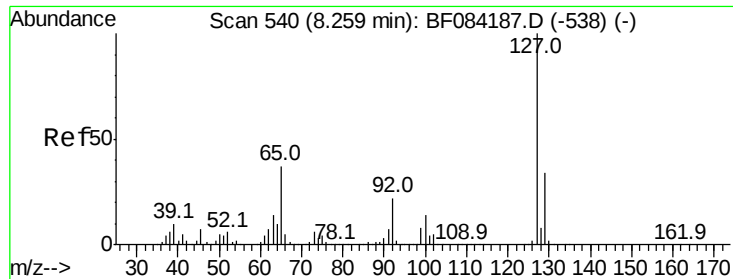
105 123.4 100.3 140.3

77 88.3 63.5 103.5



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





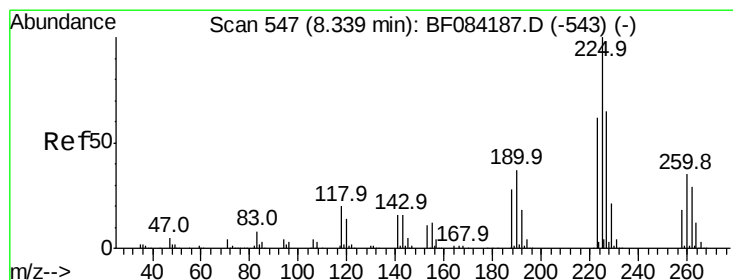
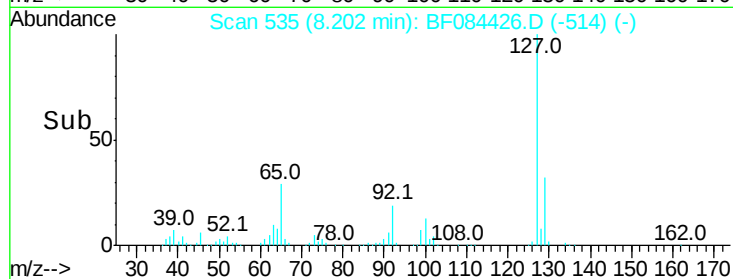
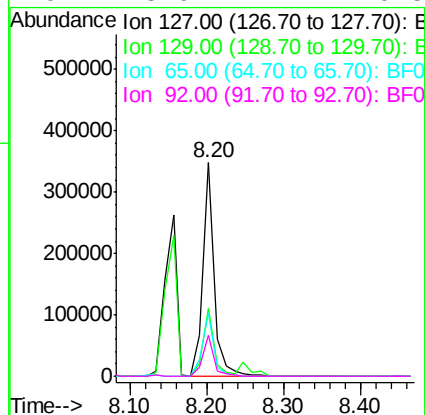
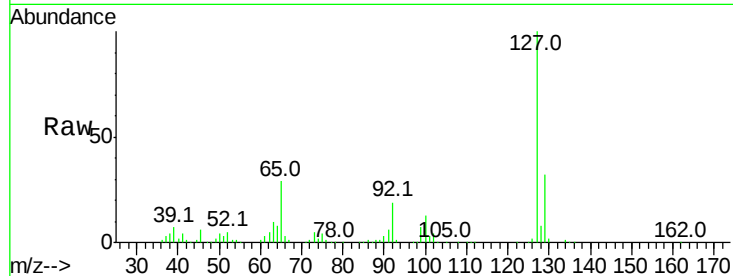
#33
4-Chloroaniline
Concen: 15.06 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1	26.5	39.7		
65	29.5	27.2	40.8		
92	18.9	17.7	26.5		

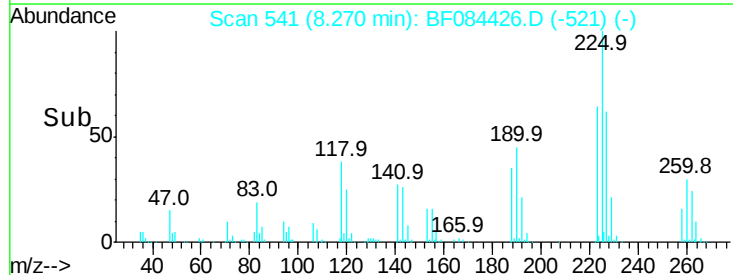
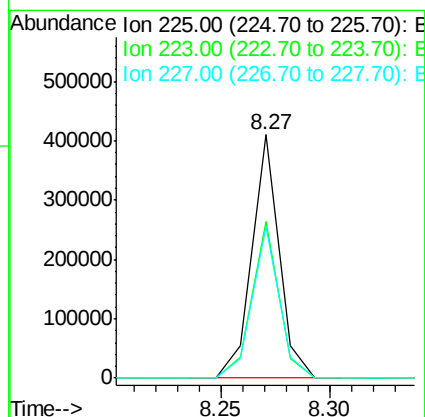
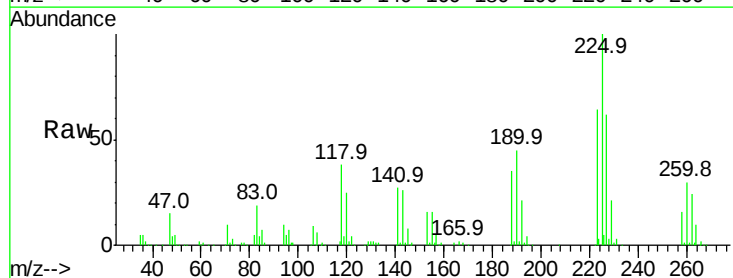
Manual Integrations
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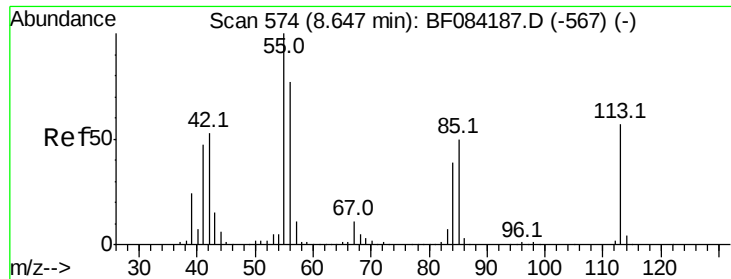
MMdadoda
1/13/2016 3:29:48 PM



#34
Hexachlorobutadiene
Concen: 38.45 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.1	49.4	74.0		
227	62.4	50.8	76.2		





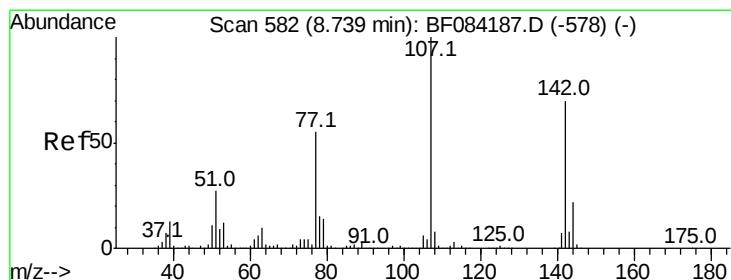
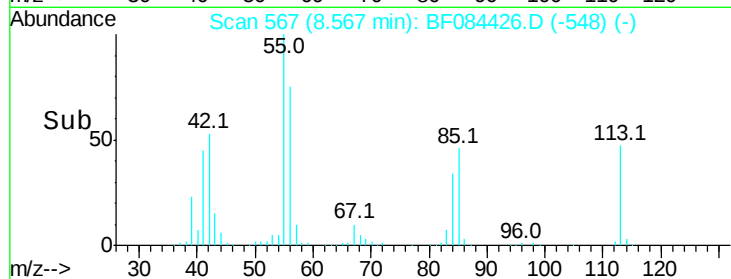
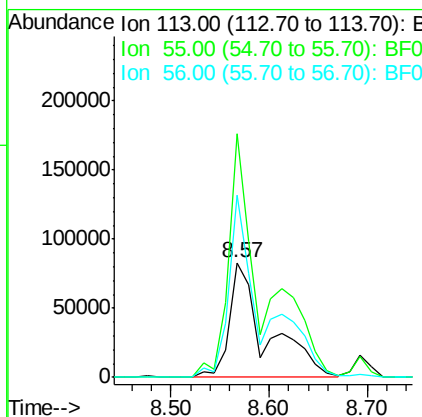
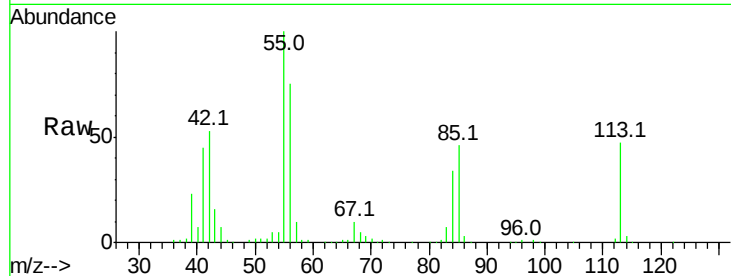
#35
 Caprolactam
 Concen: 40.44 ng/ml
 RT: 8.57 min Scan# 567
 Delta R.T. -0.08 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleID :
 PB87777BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	212.4	116.9	156.9#
56	158.9	93.8	133.8#

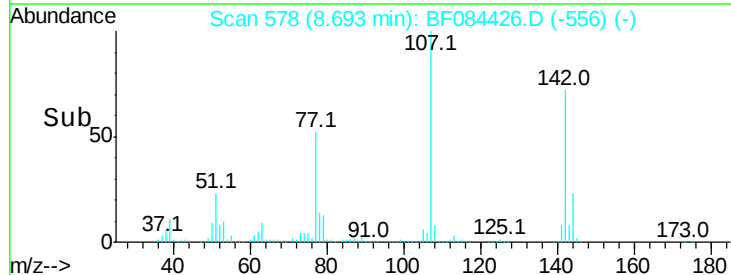
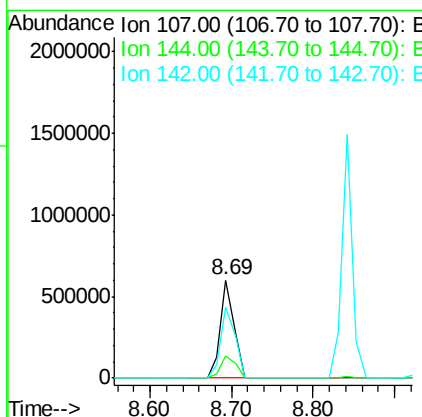
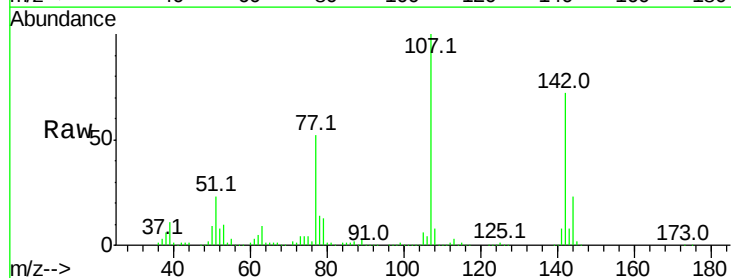
Manual Integrations
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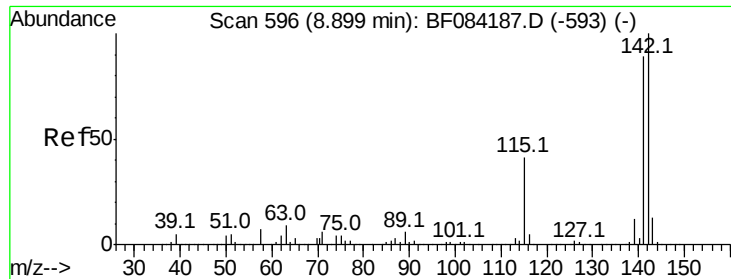
MMdadoda
 1/13/2016 3:29:48 PM



#36
 4-Chloro-3-methylphenol
 Concen: 39.69 ng
 RT: 8.69 min Scan# 578
 Delta R.T. -0.05 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.2	19.7	29.5
142	71.7	61.8	92.6





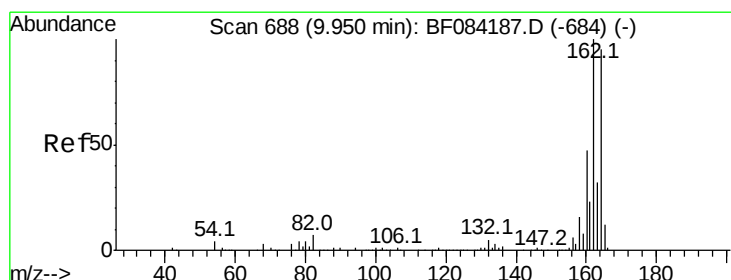
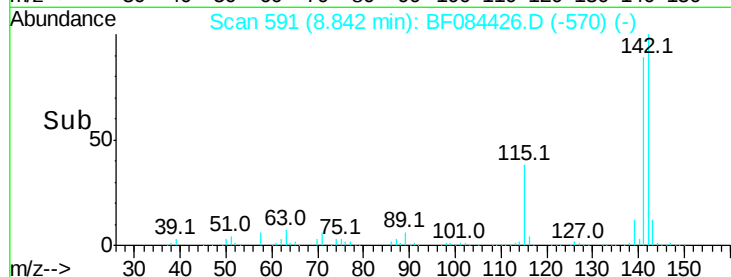
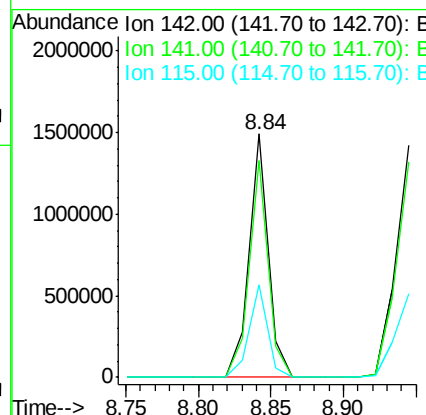
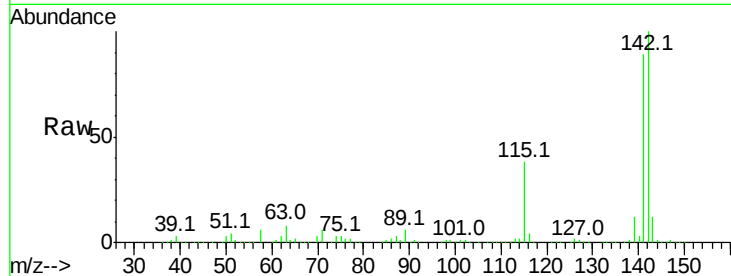
#37
2-Methylnaphthalene
Concen: 37.55 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion:142 Resp: 1367525
Ion Ratio Lower Upper
142 100
141 89.2 72.4 108.6
115 37.8 27.9 41.9

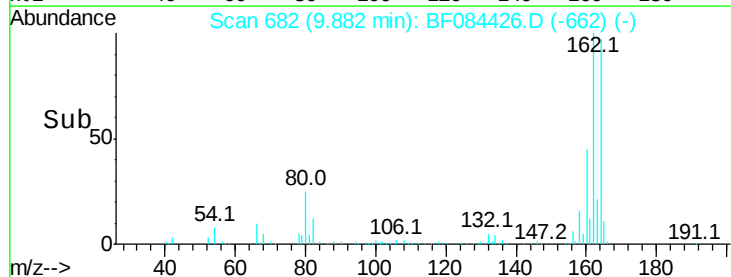
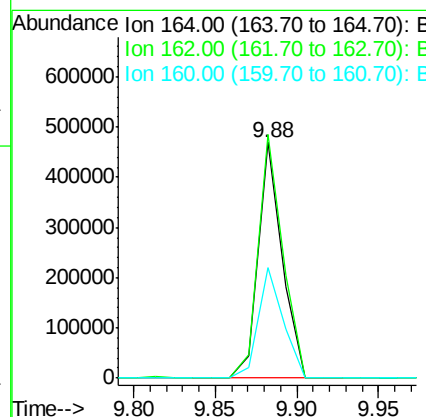
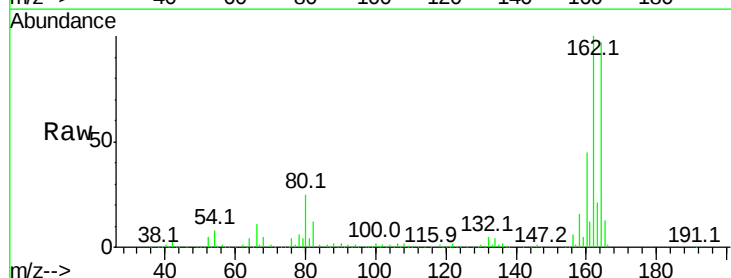
Manual Integrations
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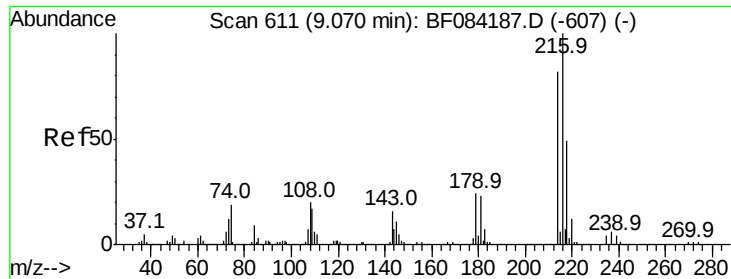
MMdadoda
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion:164 Resp: 478934
Ion Ratio Lower Upper
164 100
162 103.2 85.1 127.7
160 46.7 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.88 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.06 min

Lab File: BF084426.D

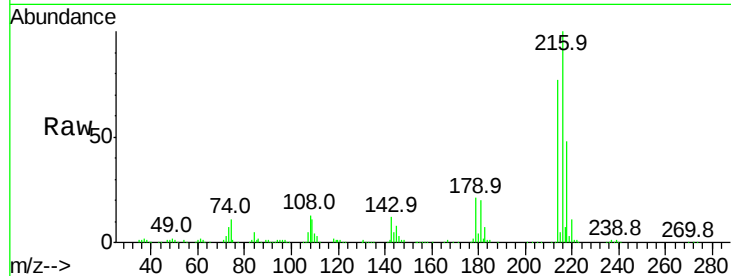
Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

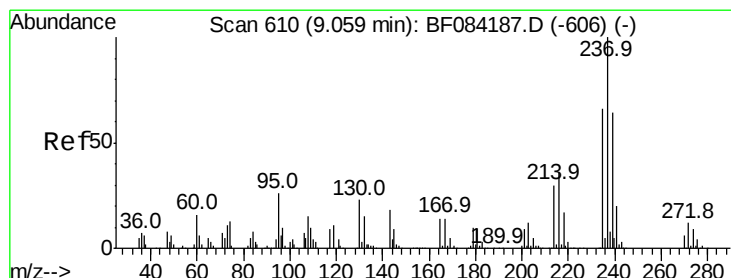
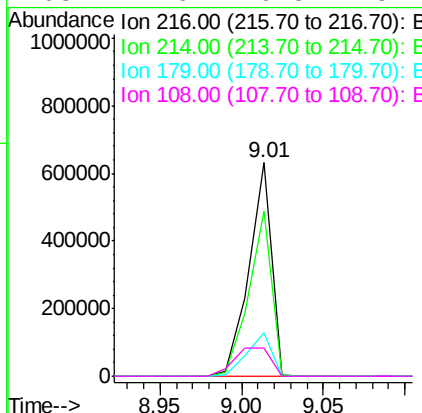
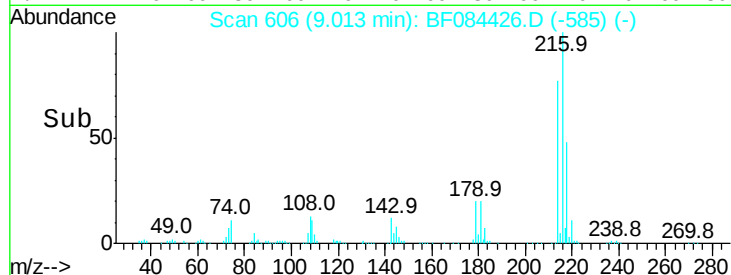
PB8777BS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		604170		
214	78.5	64.2	96.2		
179	22.4	18.7	28.1		
108	21.6	16.8	25.2		

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 83.19 ng

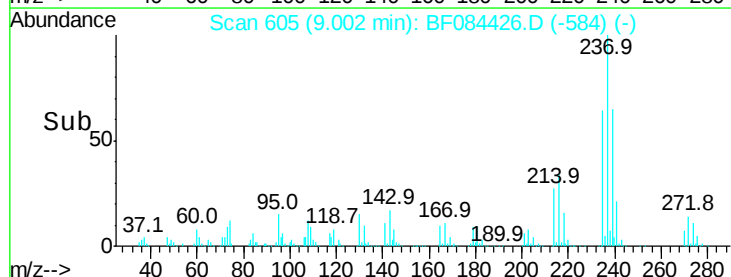
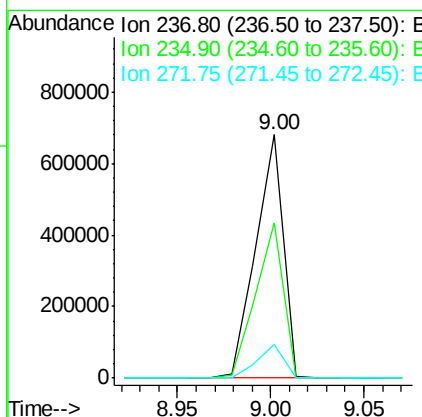
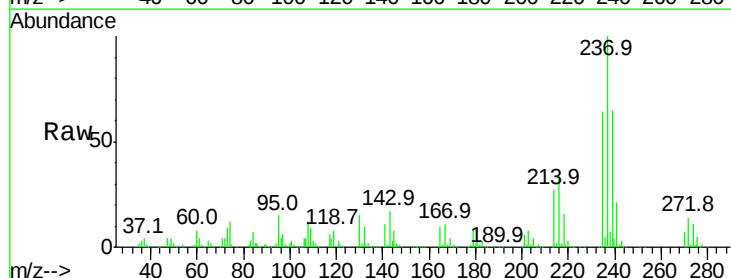
RT: 9.00 min Scan# 605

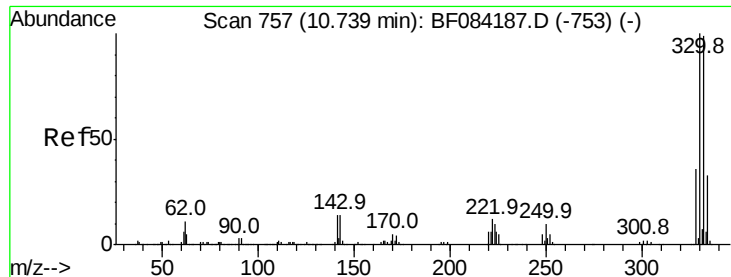
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		691472		
235	63.6	43.1	83.1		
272	14.0	0.0	35.1		





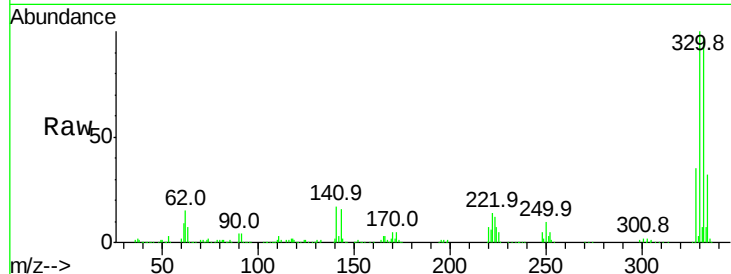
#41
 2,4,6-Tribromophenol
 Concen: 130.45 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

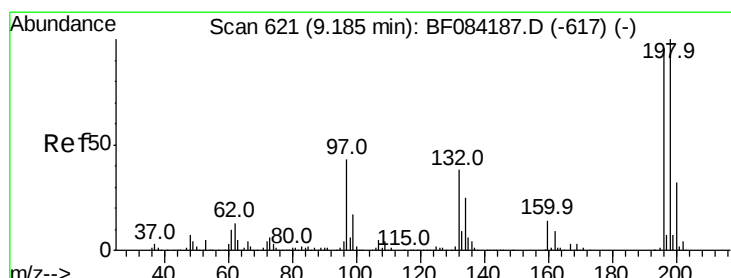
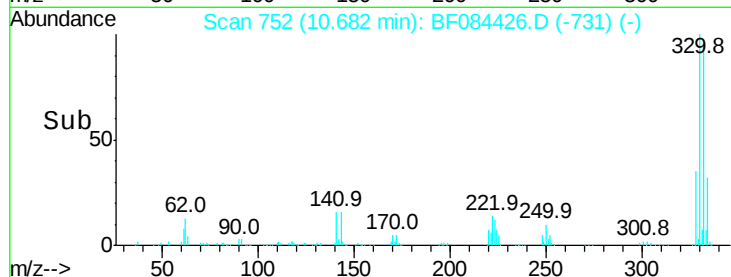
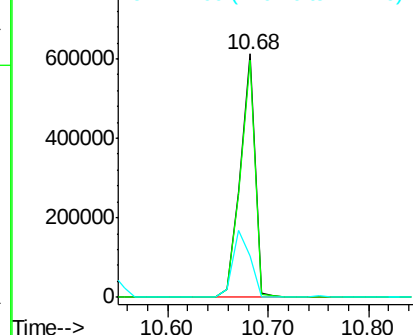
Tot Ion	Ratio	Resp	Lower	Upper
330	100	630737		
332	97.6	76.6	114.8	
141	32.1	27.8	41.6	

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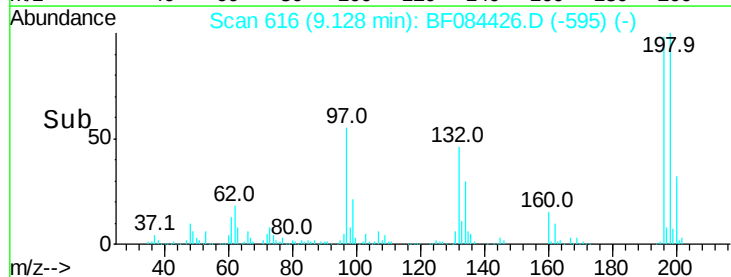
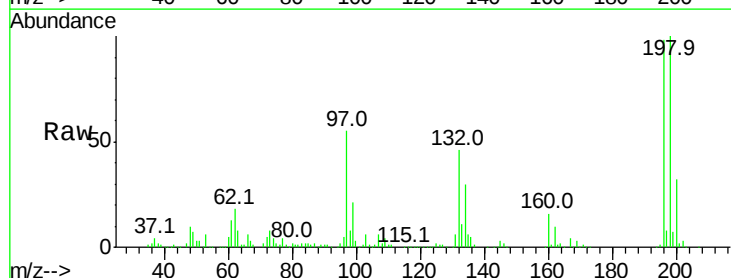
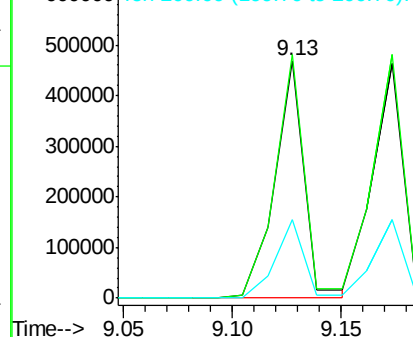
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

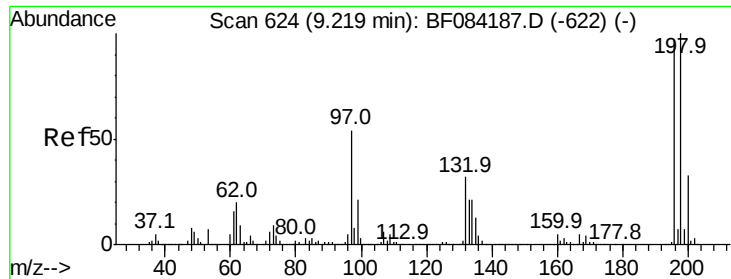


#42
 2,4,6-Trichlorophenol
 Concen: 43.16 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	444567		
198	102.5	77.7	116.5	
200	33.0	24.6	37.0	

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





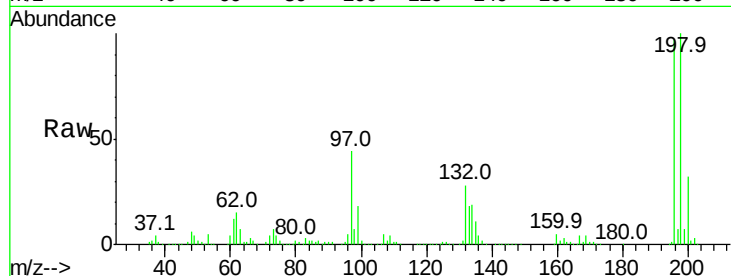
#43
 2,4,5-Trichlorophenol
 Concen: 45.96 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

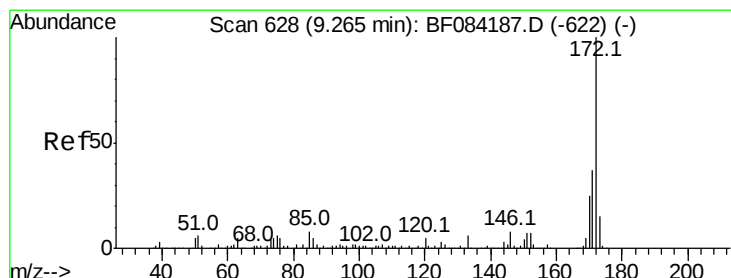
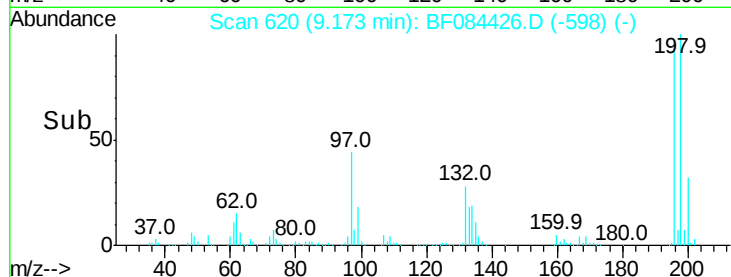
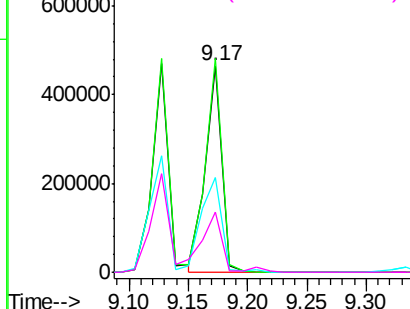
Tot Ion	196	Resp	453811
Ion Ratio	Lower	Upper	
196	100		
198	103.5	79.0	118.6
97	46.0	33.0	49.6
132	29.2	21.1	31.7

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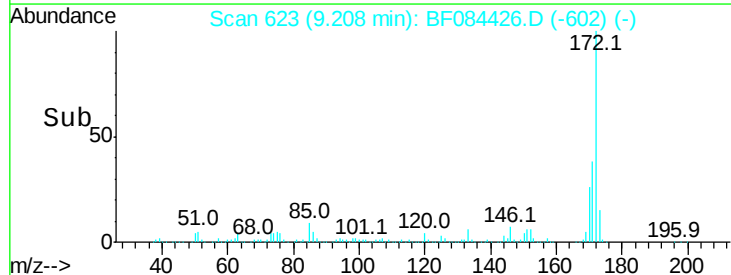
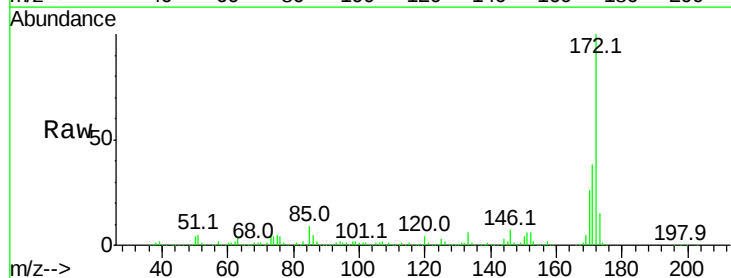
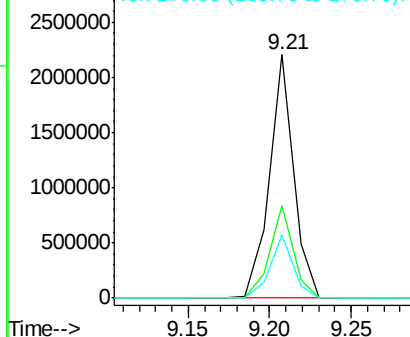
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

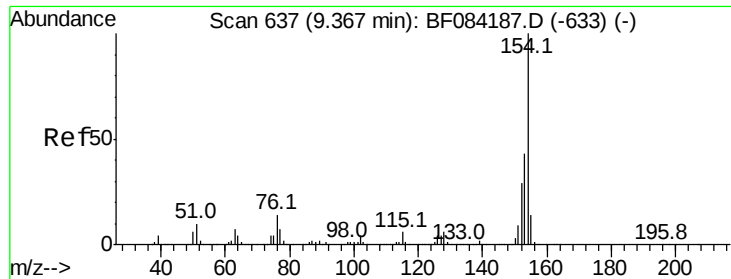


#44
 2-Fluorobiphenyl
 Concen: 84.06 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	172	Resp	2290494
Ion Ratio	Lower	Upper	
172	100		
171	38.3	28.9	43.3
170	26.0	18.6	27.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.82 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

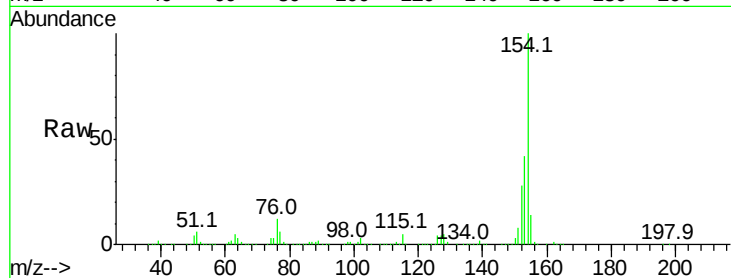
PB8777BS

Tot Ion:154 Resp: 1782264

Ion	Ratio	Lower	Upper
154	100		
153	41.9	21.6	61.6
76	11.8	0.0	32.7

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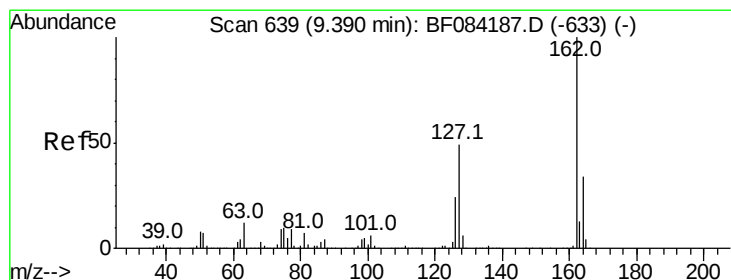
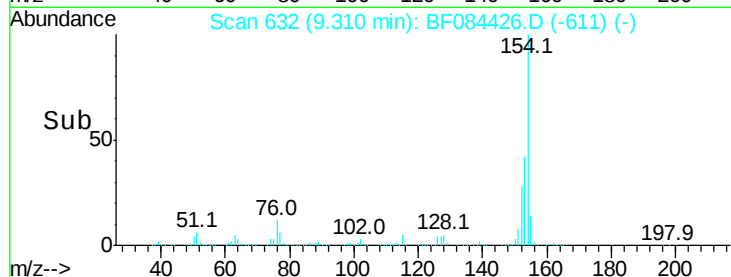
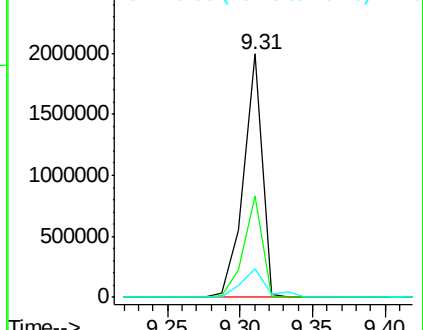


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 44.01 ng

RT: 9.33 min Scan# 634

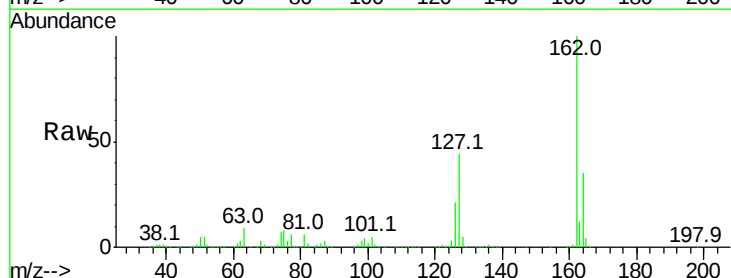
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:162 Resp: 1315915

Ion	Ratio	Lower	Upper
162	100		
127	44.5	40.2	60.4
164	34.5	25.7	38.5

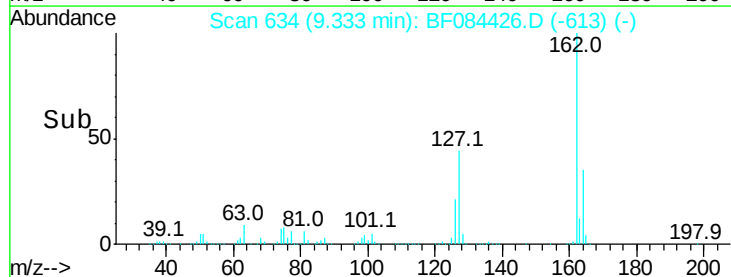
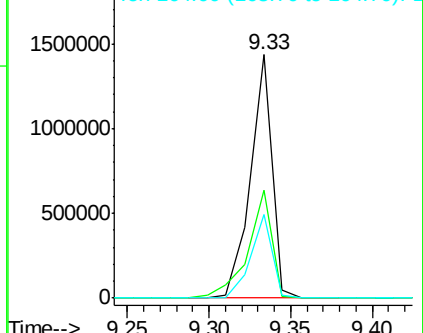


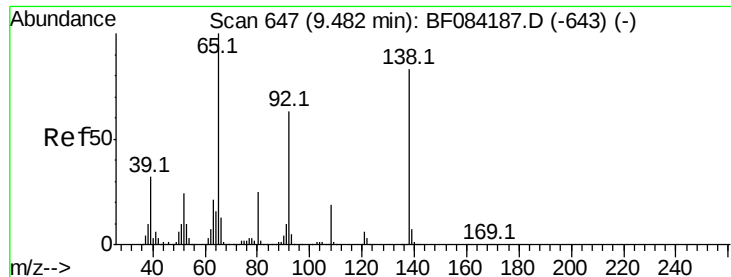
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 44.99 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

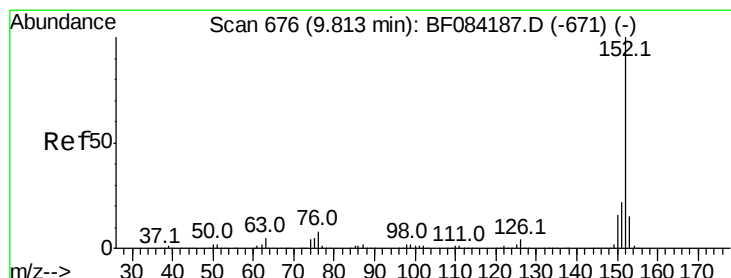
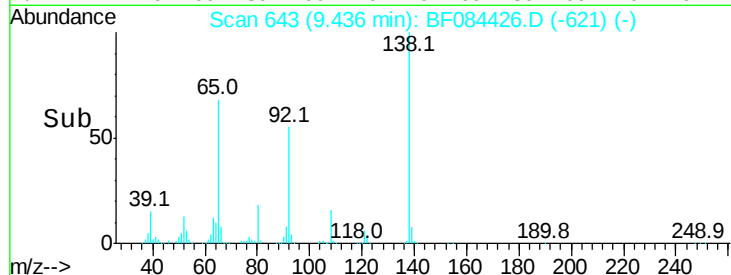
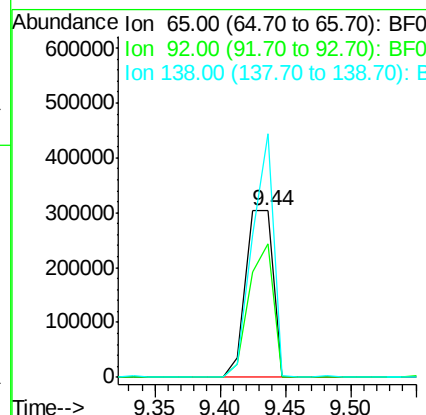
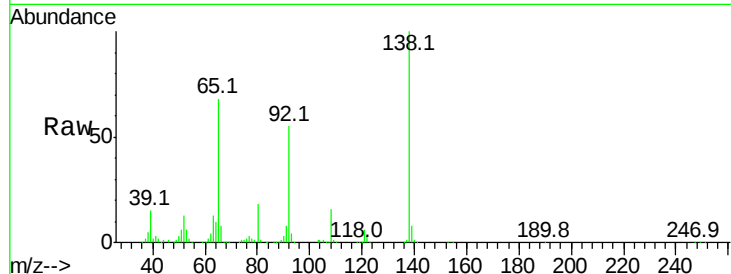
ClientSampleId :

PB87777BS

Tot Ion:	65	Resp:	443996
Ion Ratio	Lower	Upper	
65	100		
92	80.1	53.4	80.2
138	146.2	71.1	106.7#

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#48

Acenaphthylene

Concen: 42.12 ng

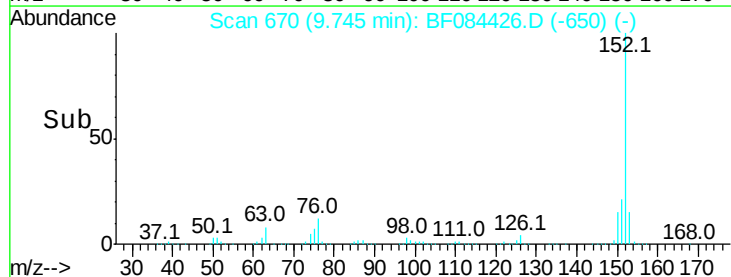
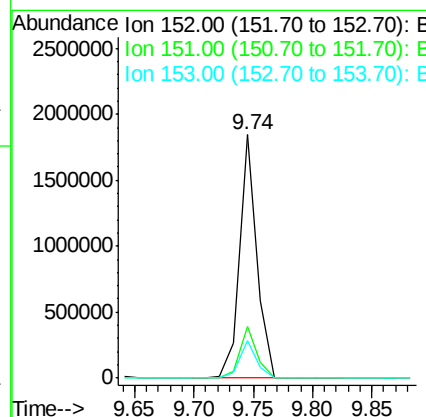
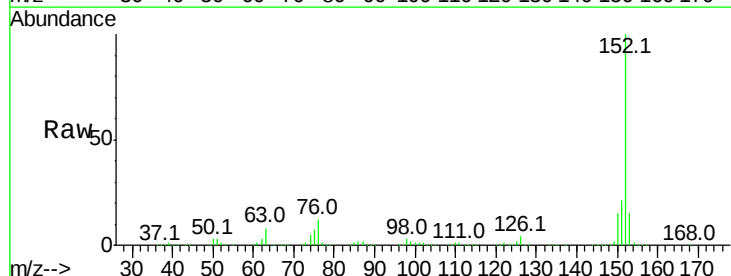
RT: 9.74 min Scan# 670

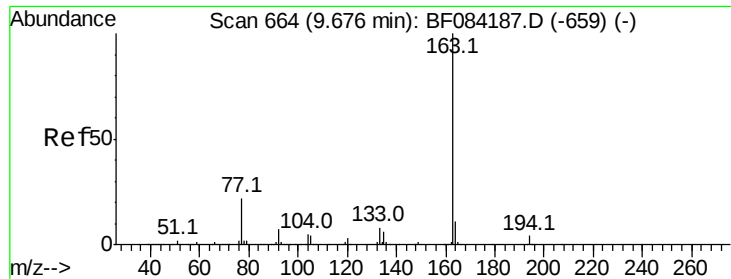
Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:	152	Resp:	1860744
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	15.4	10.4	15.6





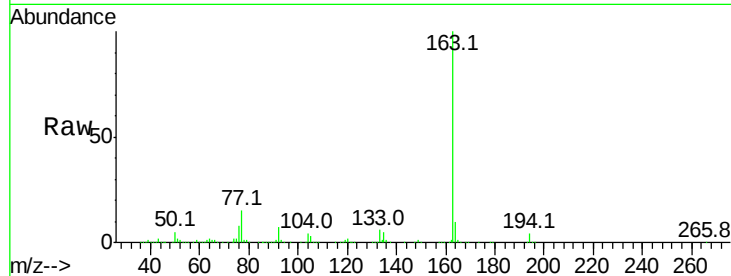
#49
Dimethylphthalate
Concen: 45.67 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

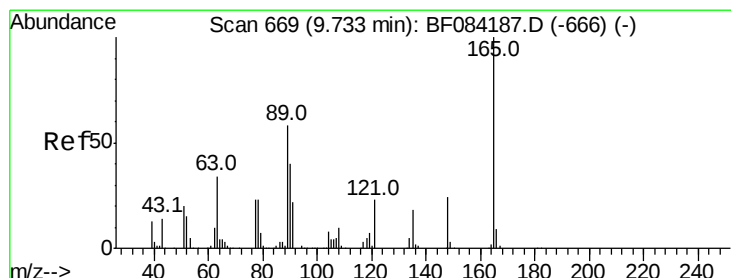
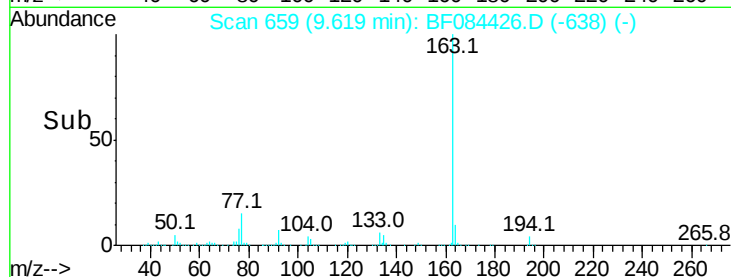
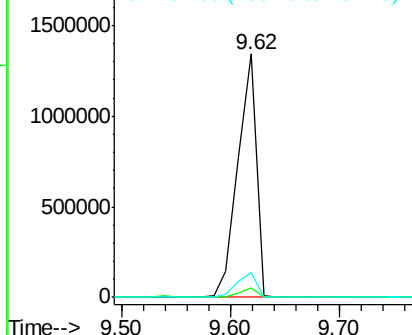
Tot Ion:163 Resp: 1563710
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 10.4 8.0 12.0

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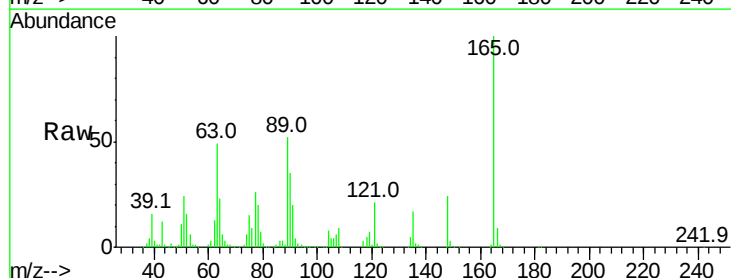


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

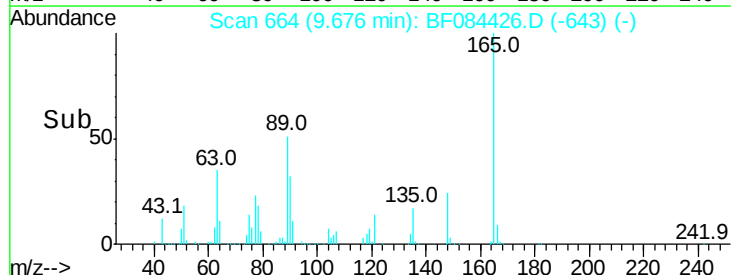
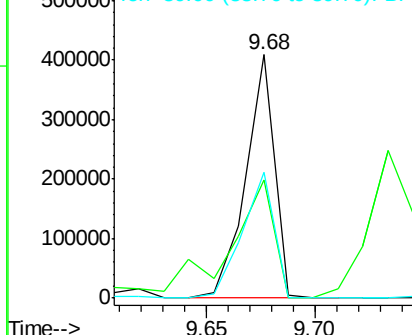


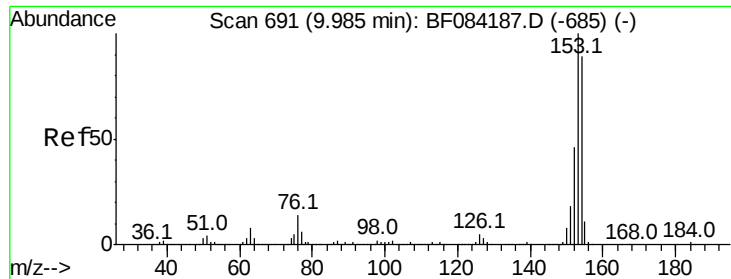
#50
2,6-Dinitrotoluene
Concen: 49.67 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion:165 Resp: 373001
Ion Ratio Lower Upper
165 100
63 48.7 28.8 43.2#
89 51.7 35.1 52.7



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





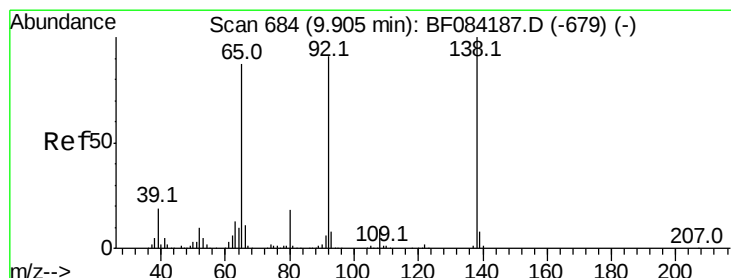
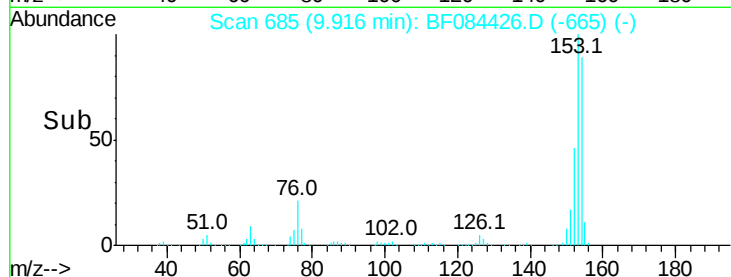
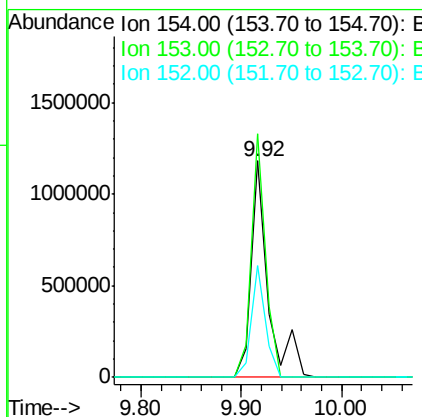
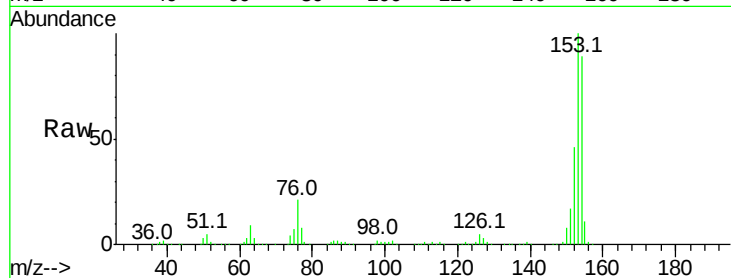
#51
Acenaphthene
Concen: 47.22 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion:154 Resp: 1399220
Ion Ratio Lower Upper
154 100
153 112.6 91.5 137.3
152 51.8 43.0 64.6

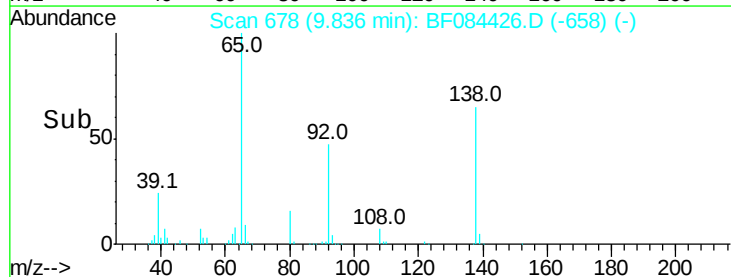
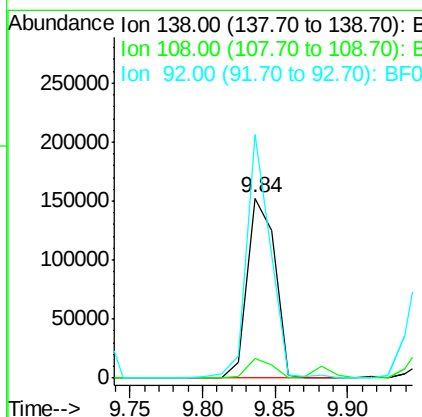
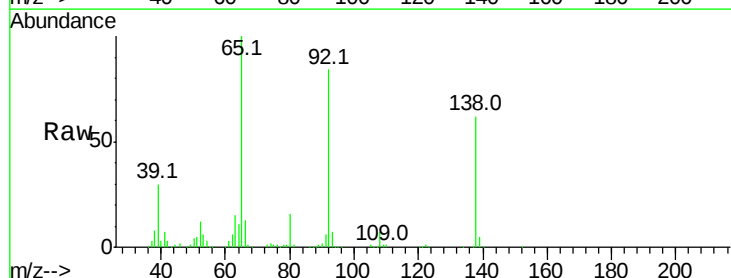
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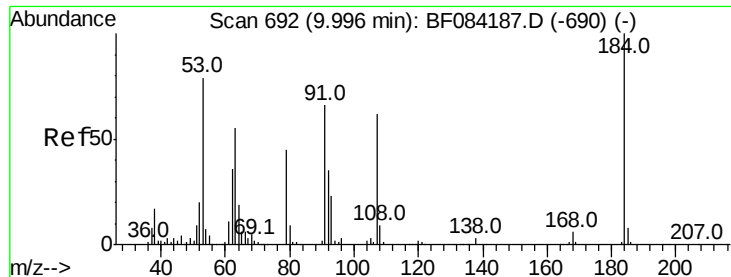
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#52
3-Nitroaniline
Concen: 21.78 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion:138 Resp: 202634
Ion Ratio Lower Upper
138 100
108 11.1 10.5 15.7
92 135.3 103.9 155.9





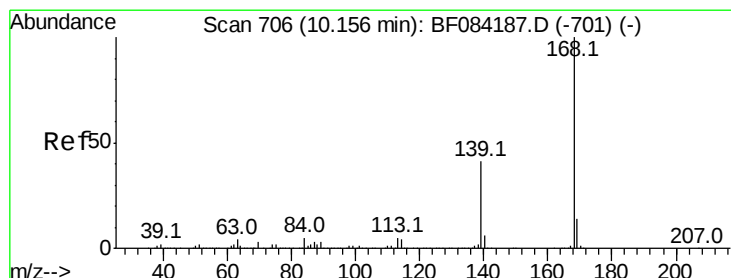
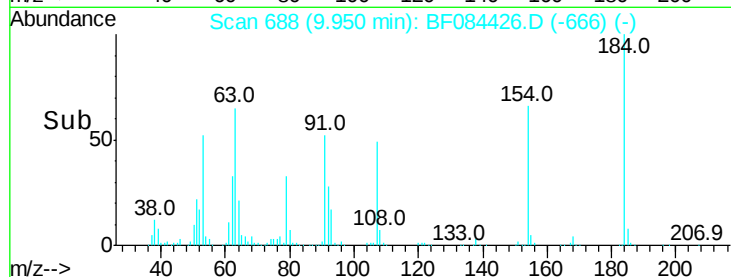
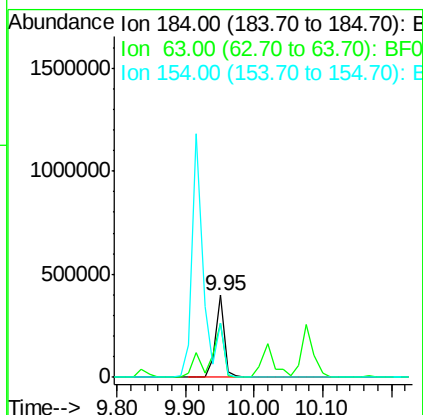
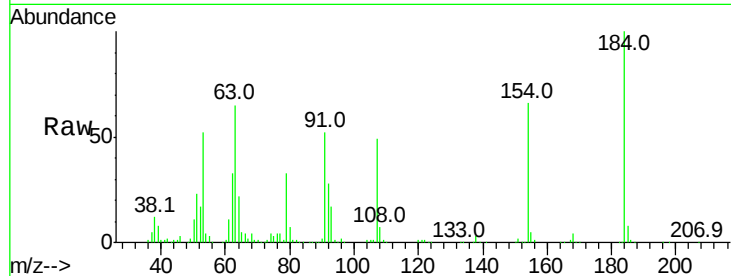
#53
2,4-Dinitrophenol
Concen: 115.16 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	373609		
63	65.4	43.1	64.7#	
154	65.7	60.5	90.7	

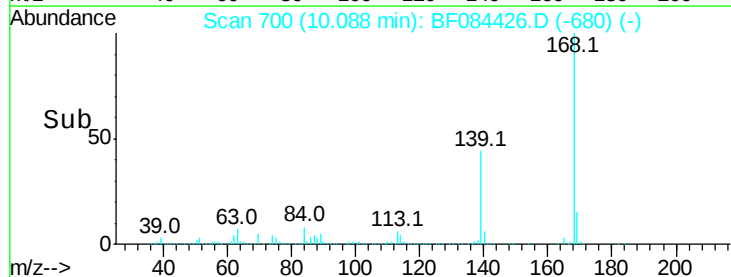
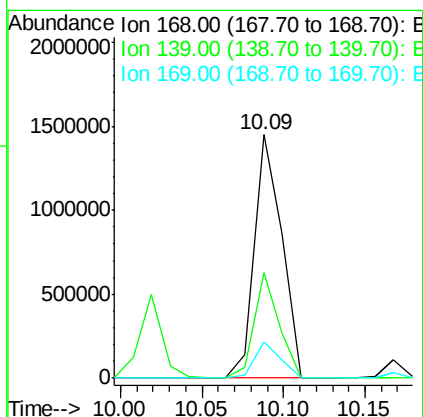
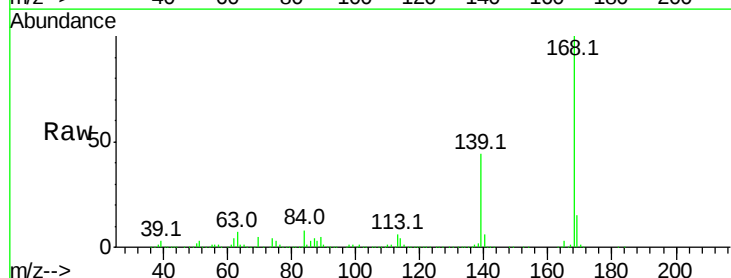
Manual Integrations
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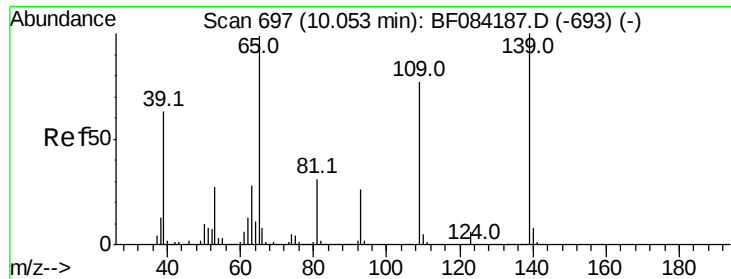
MMdadoda
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#54
Dibenzofuran
Concen: 43.83 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1684860		
139	43.5	30.5	45.7	
169	14.7	10.4	15.6	





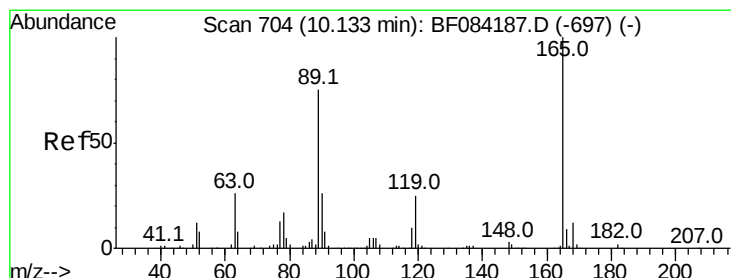
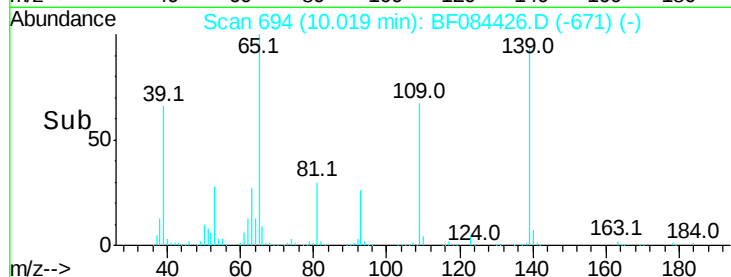
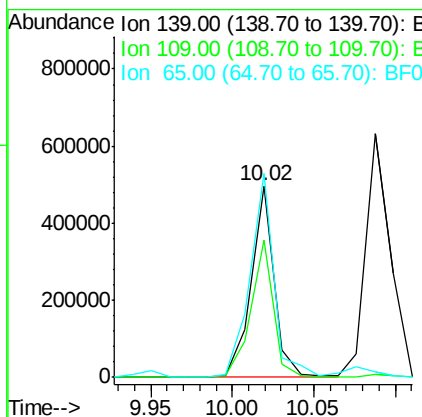
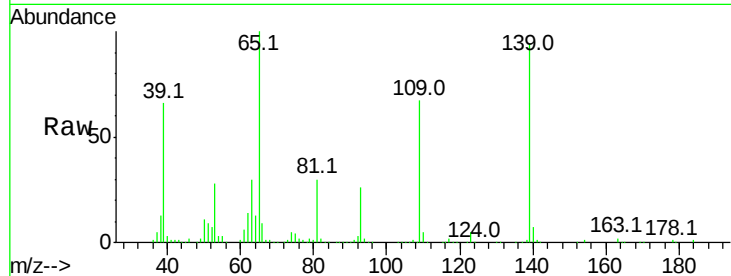
#55
4-Nitrophenol
Concen: 72.26 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	71.6	58.5	98.5	
65	106.6	57.6	97.6	

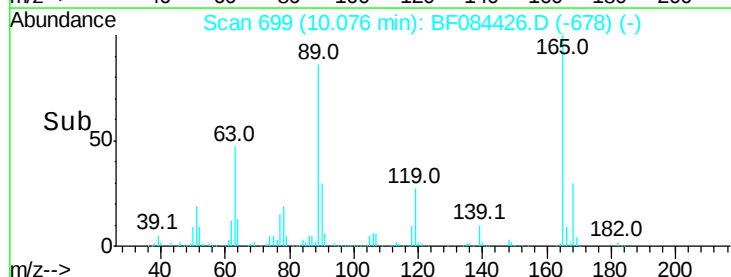
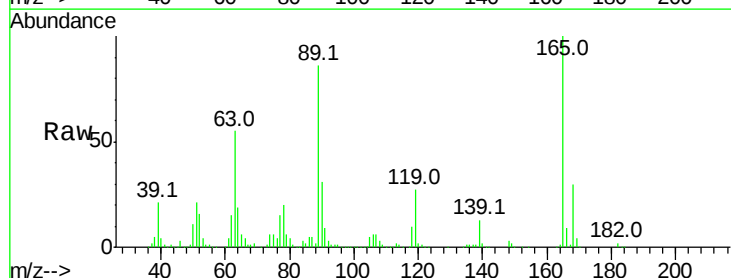
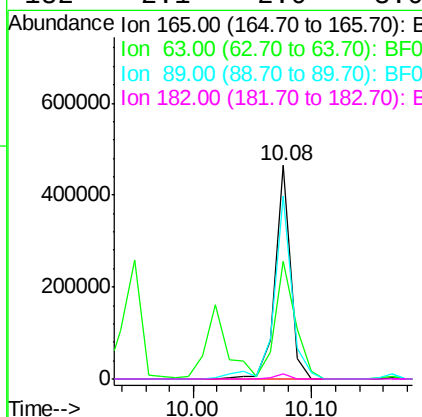
Manual Integrations
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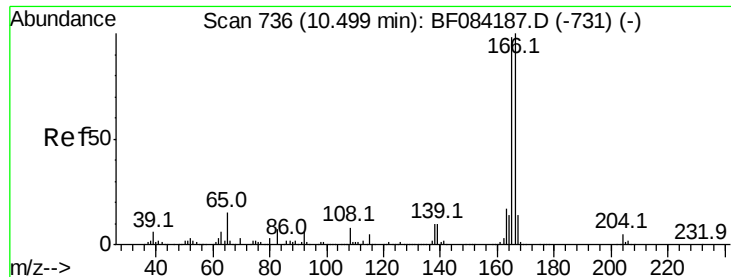
MMdadoda
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#56
2,4-Dinitrotoluene
Concen: 43.66 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	55.2	36.7	55.1	
89	85.9	61.9	92.9	
182	2.1	2.0	3.0	





#57

Fluorene

Concen: 41.36 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB8777BS

Tot Ion:166 Resp: 1233194

Ion Ratio Lower Upper

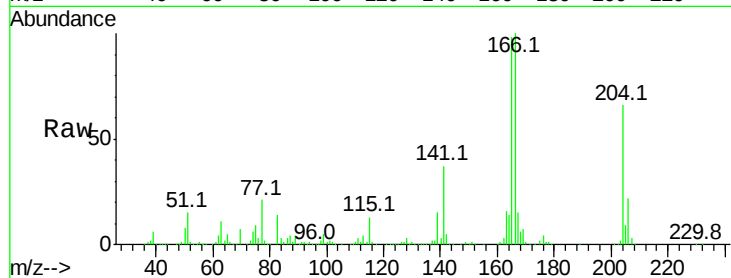
166 100

165 98.3 79.1 118.7

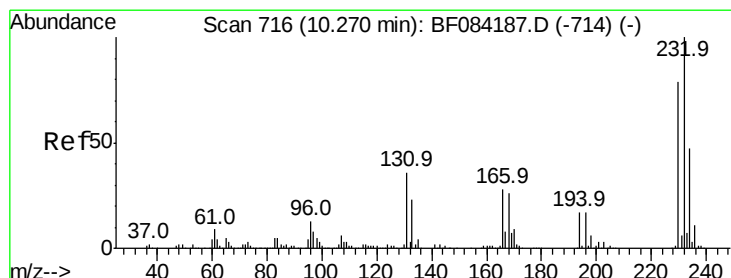
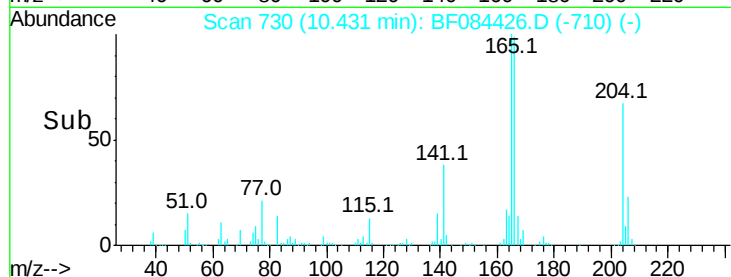
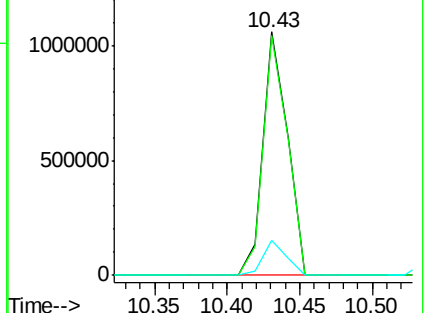
167 14.6 10.4 15.6

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.98 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:232 Resp: 370774

Ion Ratio Lower Upper

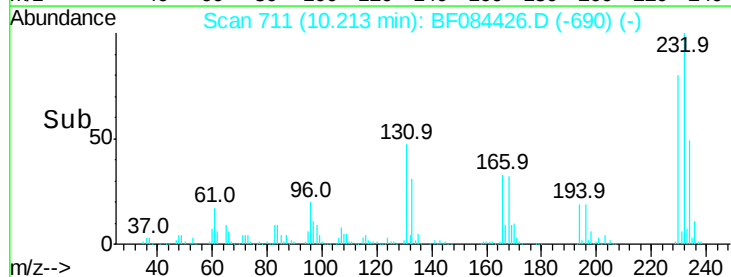
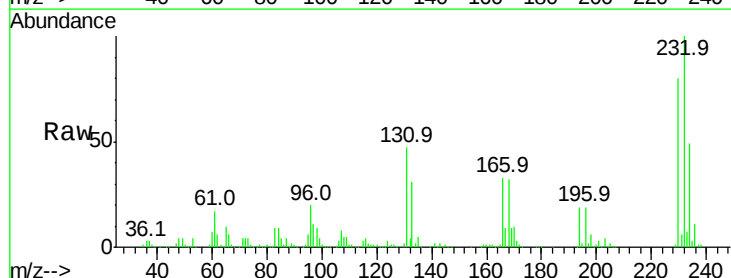
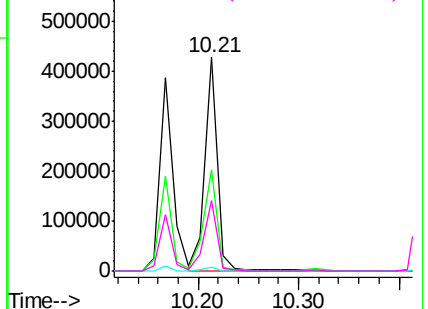
232 100

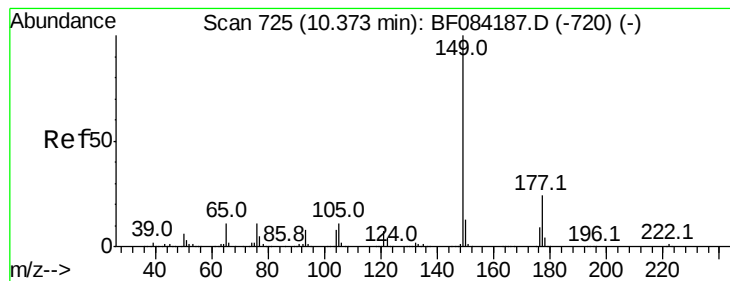
131 50.8 47.0 70.6

130 2.3 2.0 3.0

166 33.4 30.5 45.7

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





#59

Diethylphthalate

Concen: 44.86 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB87777BS

Tot Ion:149 Resp: 1514465

Ion Ratio Lower Upper

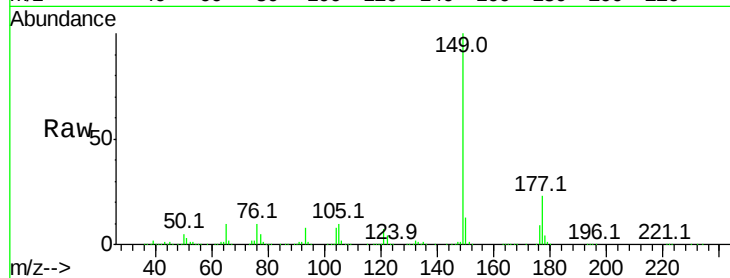
149 100

177 23.1 17.3 25.9

150 13.0 9.8 14.8

Manual Integrations
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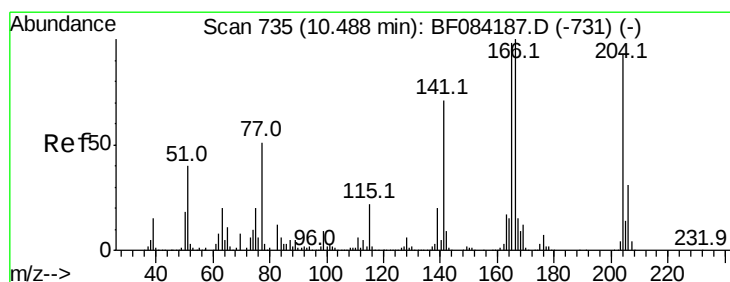
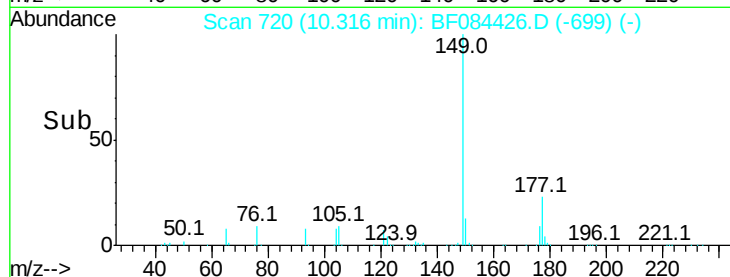
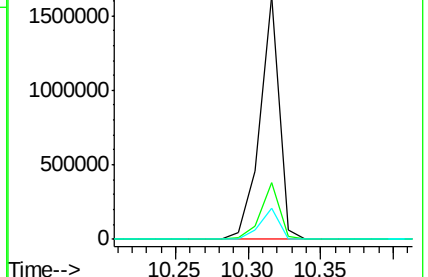
MMdadoda
1/13/2016 3:29:48 PM



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: 53.47 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

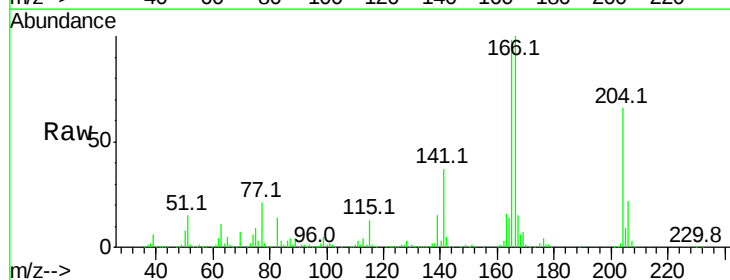
Tgt Ion:204 Resp: 650862

Ion Ratio Lower Upper

204 100

206 33.5 25.7 38.5

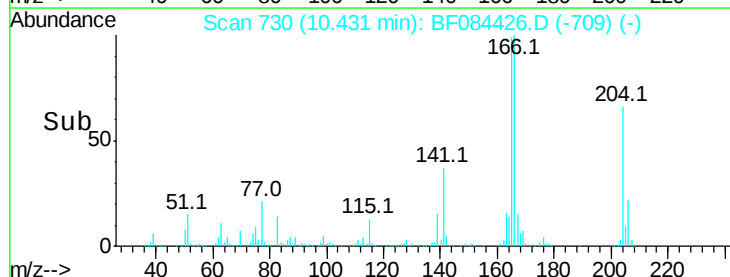
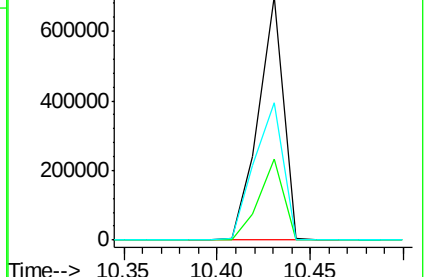
141 56.6 55.1 82.7

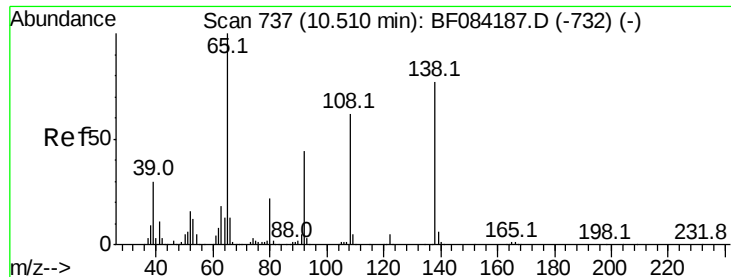


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





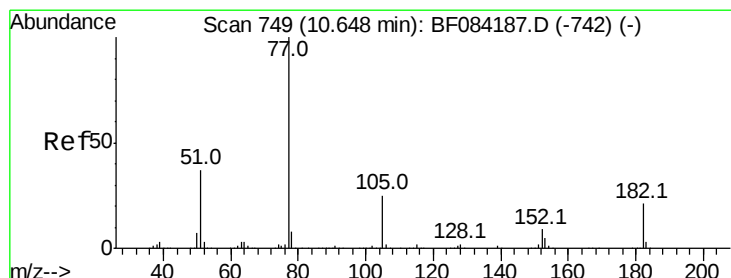
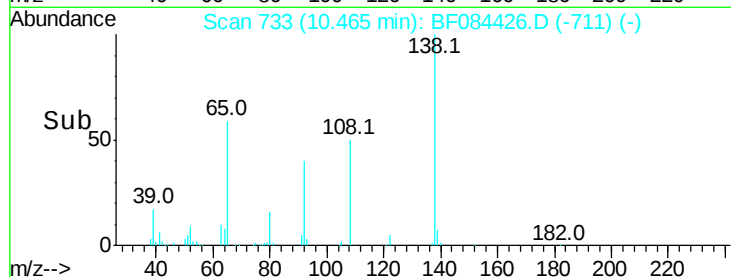
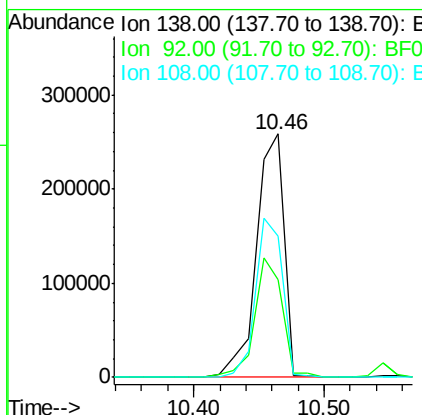
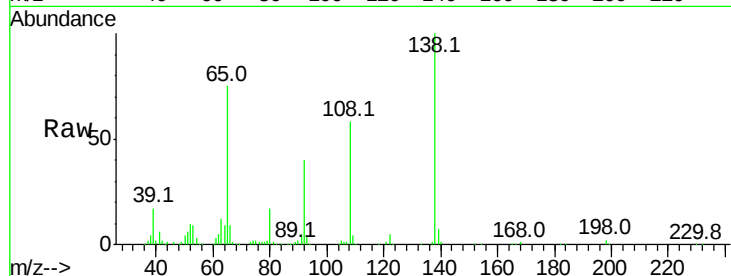
#61
4-Nitroaniline
Concen: 46.34 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	40.2	32.6	72.6
108	58.2	68.6	108.6#

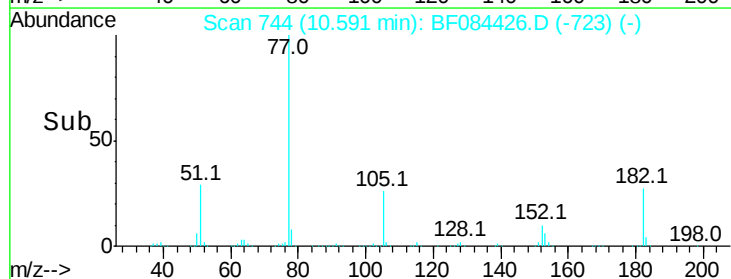
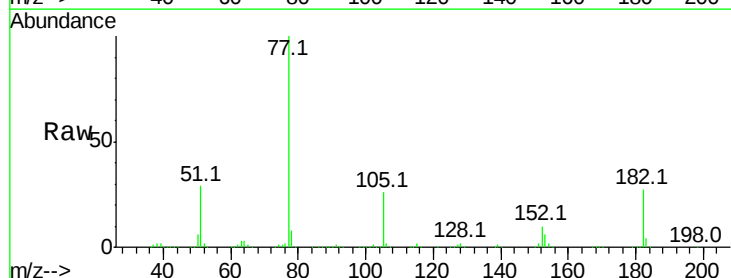
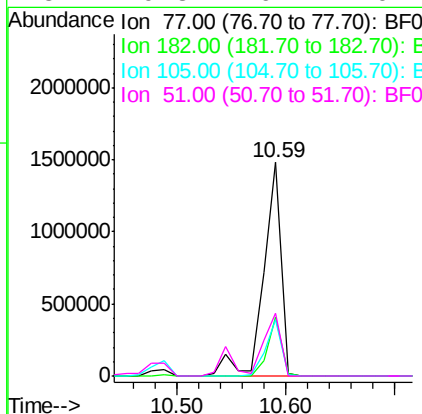
Manual Integrations
APPROVED

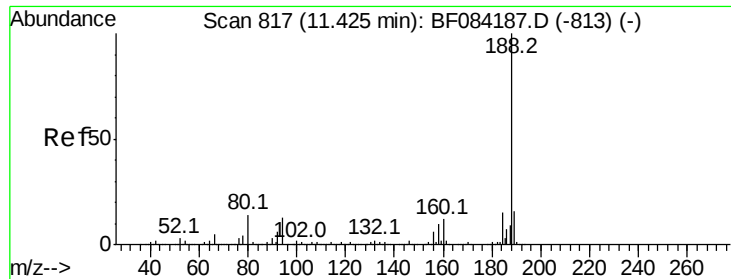
MMdadoda
1/13/2016 3:29:48 PM



#62
Azobenzene
Concen: 45.52 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.5	8.3	48.3
105	26.2	4.6	44.6
51	29.3	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

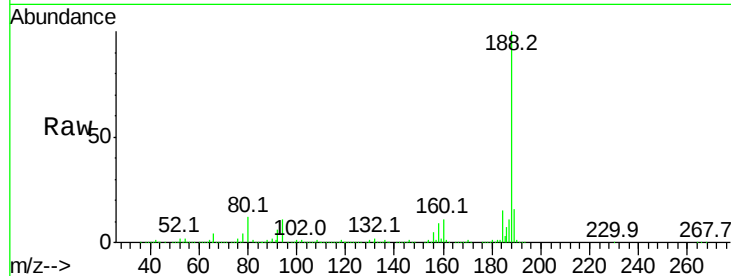
ClientSampled :

PB8777BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.4	9.0	13.4	
80	11.8	9.6	14.4	

Manual Integrations
APPROVED

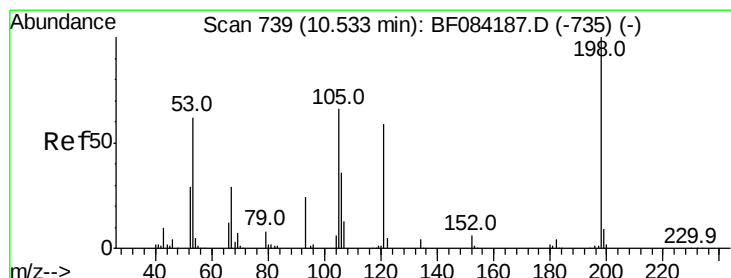
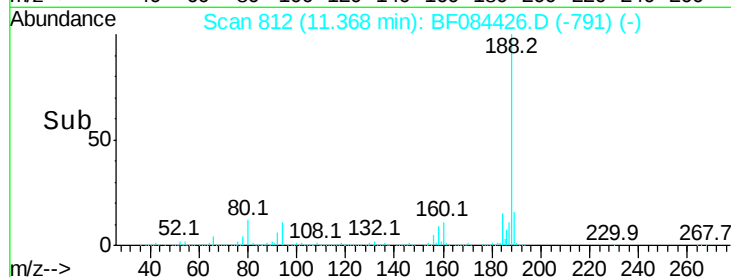
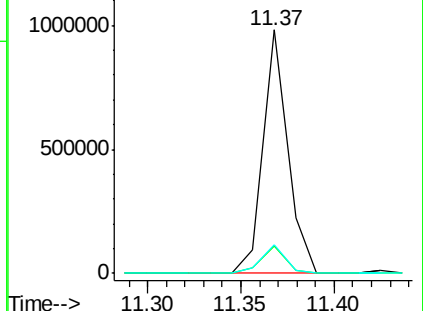
MMdadoda
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 48.79 ng

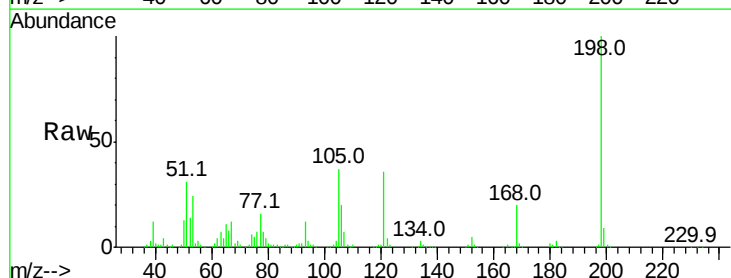
RT: 10.49 min Scan# 735

Delta R.T. -0.05 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

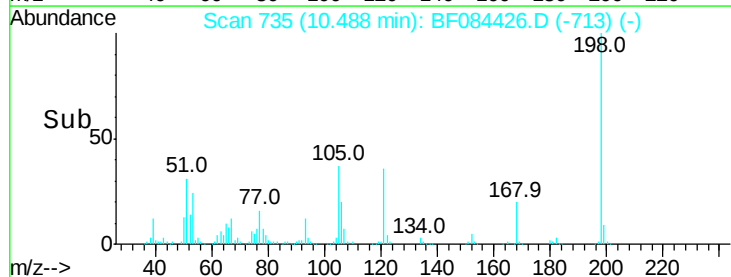
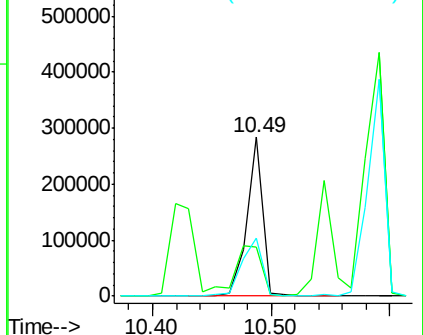
Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	30.7	18.9	58.9	
105	36.9	26.4	66.4	

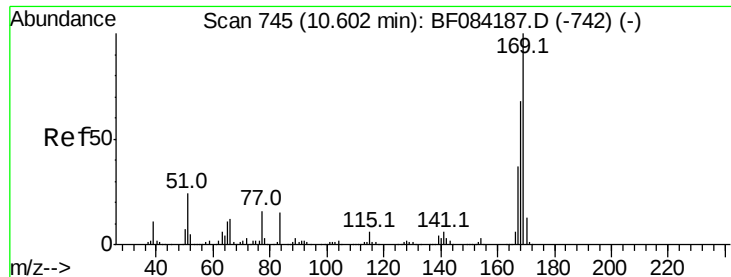


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 40.40 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB8777BS

Tot Ion:169 Resp: 1156816

Ion Ratio Lower Upper

169 100

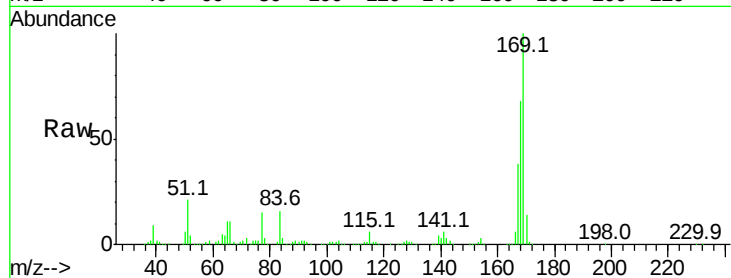
168 68.1 55.1 82.7

167 37.6 30.0 45.0

Manual Integrations
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MMdadoda

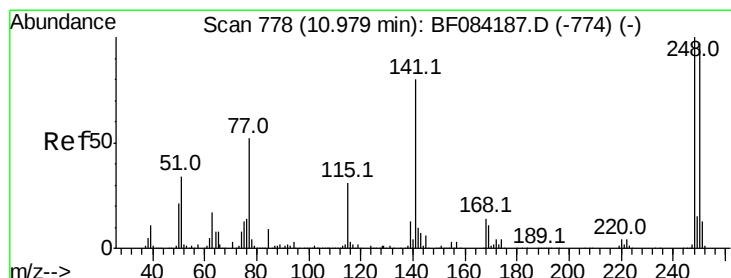
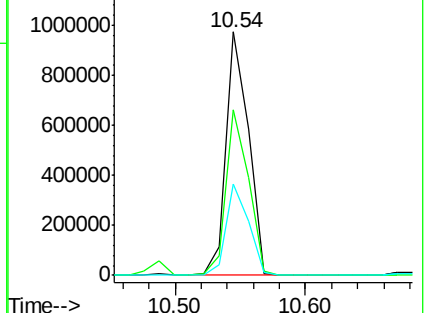
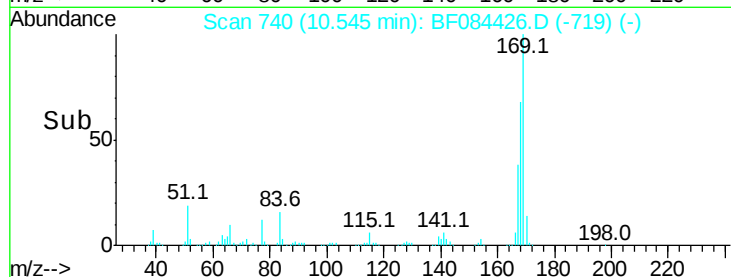
1/13/2016 3:29:48 PM



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: 43.29 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

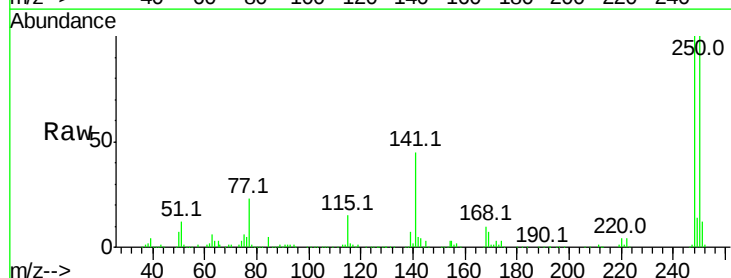
Tgt Ion:248 Resp: 417289

Ion Ratio Lower Upper

248 100

250 100.1 78.4 117.6

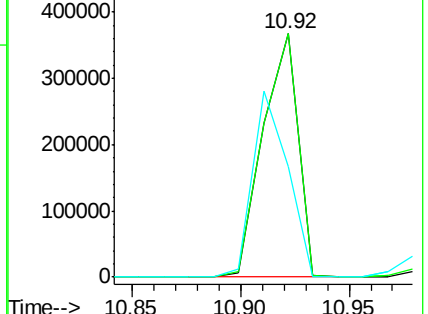
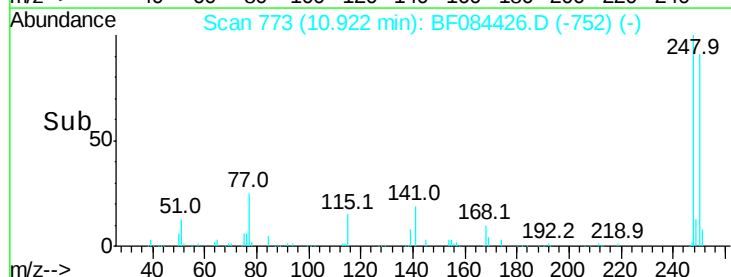
141 45.4 44.0 66.0

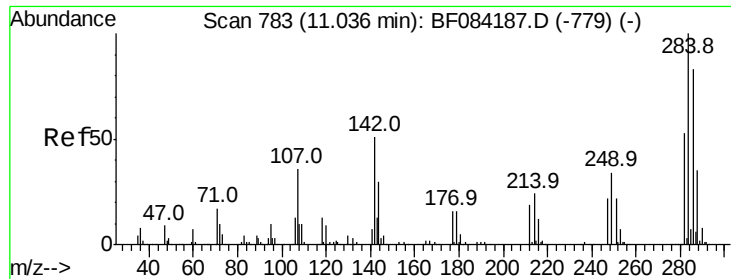


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





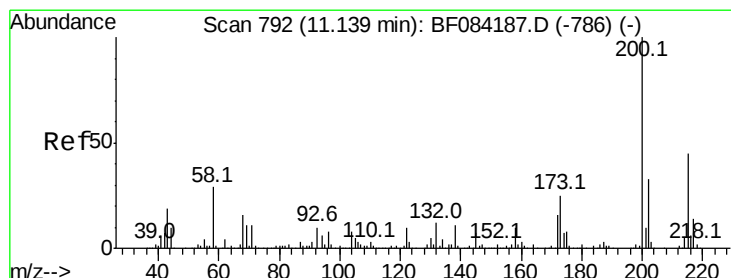
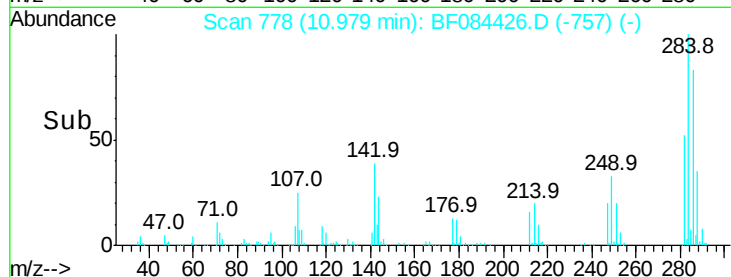
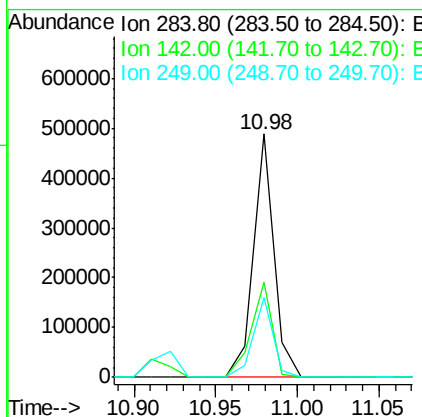
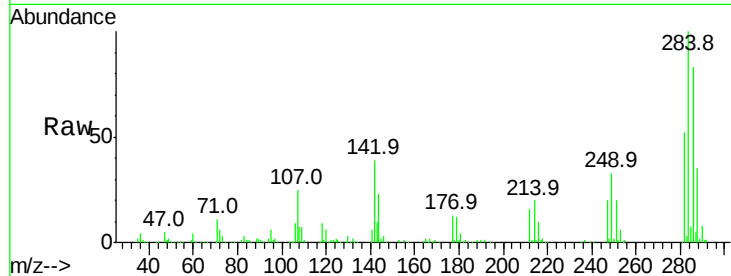
#67
Hexachlorobenzene
Concen: 39.37 ng
RT: 10.98 min Scan# 778
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	427116		
142	39.3	22.2	33.4#	
249	33.0	24.6	37.0	

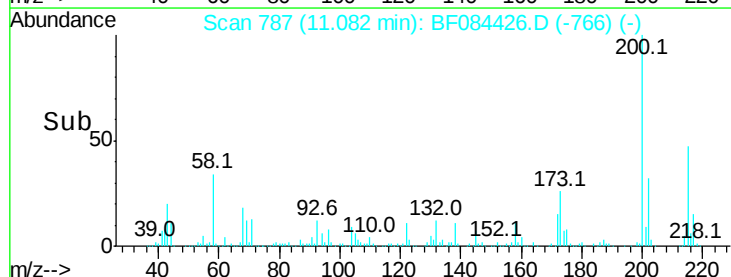
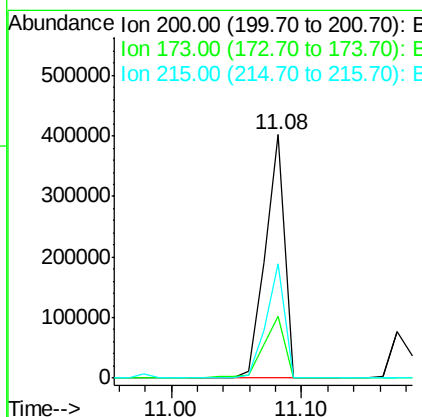
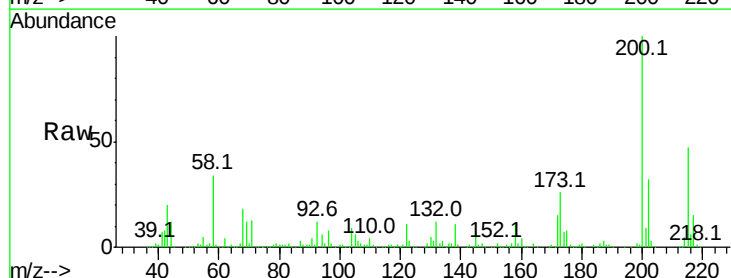
Manual Integrations
APPROVED

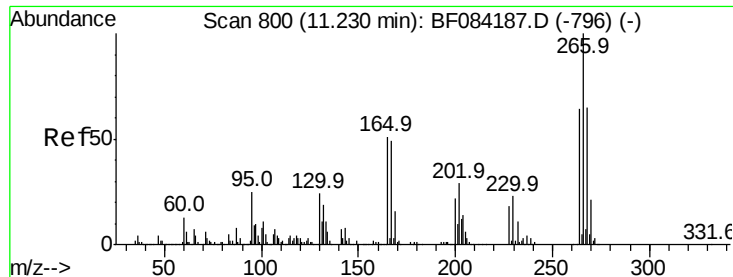
MMdadoda
1/13/2016 3:29:48 PM



#68
Atrazine
Concen: 44.60 ng
RT: 11.08 min Scan# 787
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	417900		
173	25.5	9.5	49.5	
215	46.9	23.8	63.8	





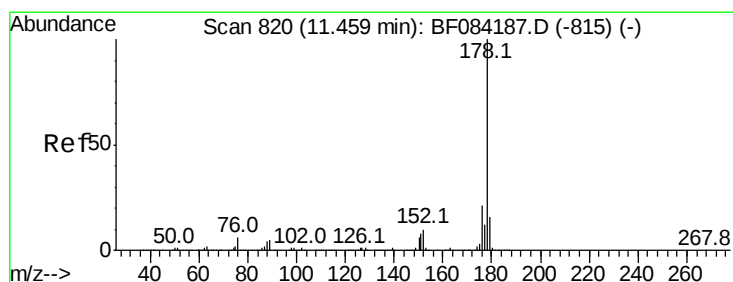
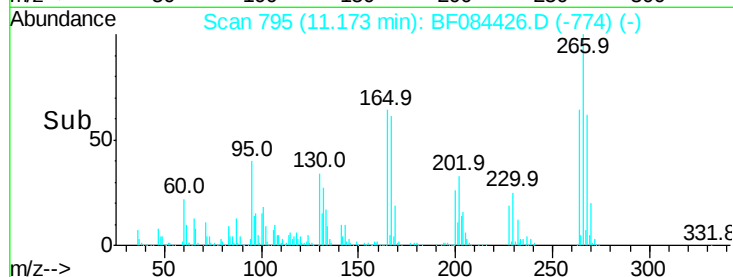
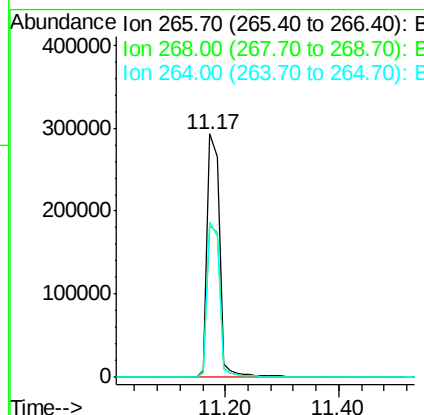
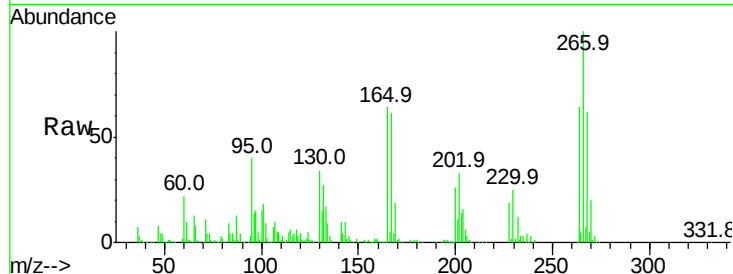
#69
 Pentachlorophenol
 Concen: 75.26 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	423343		
268	62.3		52.4	78.6
264	63.7		50.2	75.2

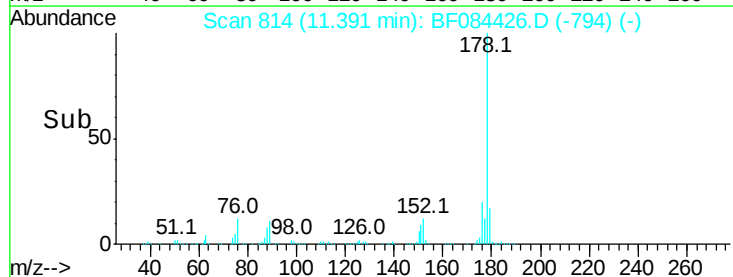
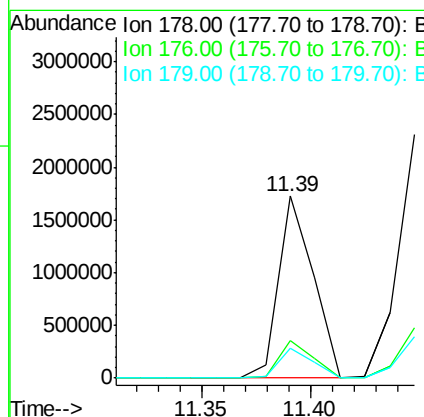
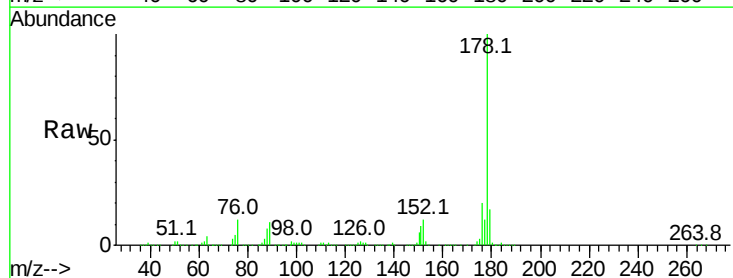
Manual Integrations
 APPROVED

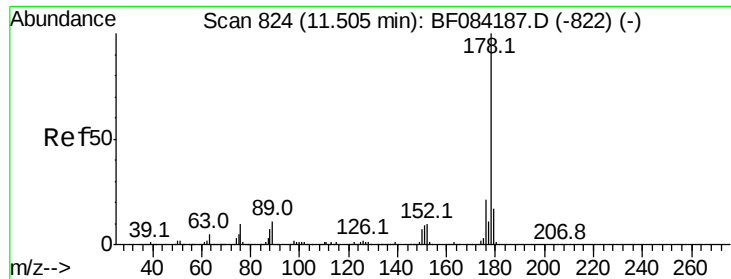
MMdadoda
 1/13/2016 3:29:48 PM



#70
 Phenanthrene
 Concen: 41.12 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.07 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1926072		
176	20.3		15.3	22.9
179	16.7		12.0	18.0





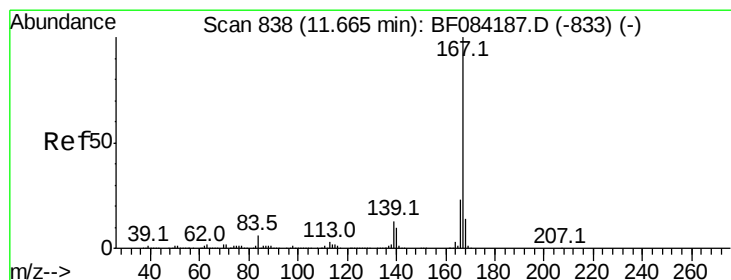
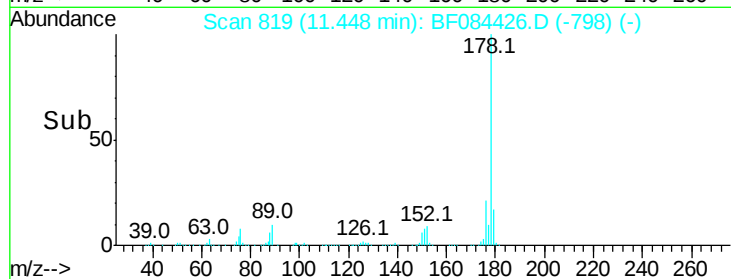
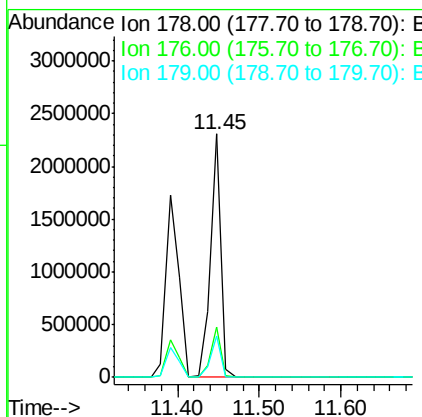
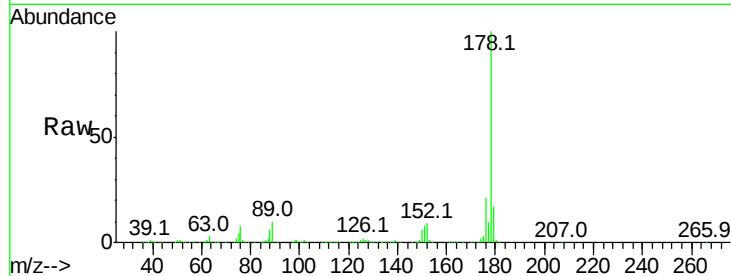
#71
 Anthracene
 Concen: 45.42 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87777BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.0
179	16.8	12.5	18.7

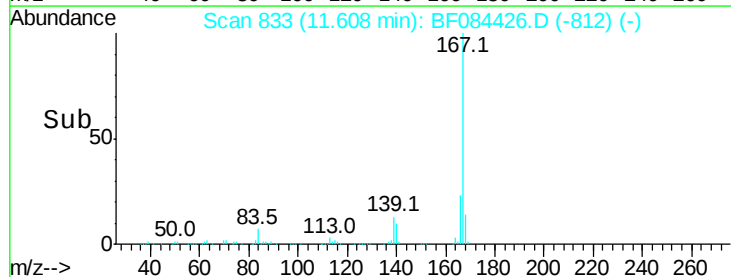
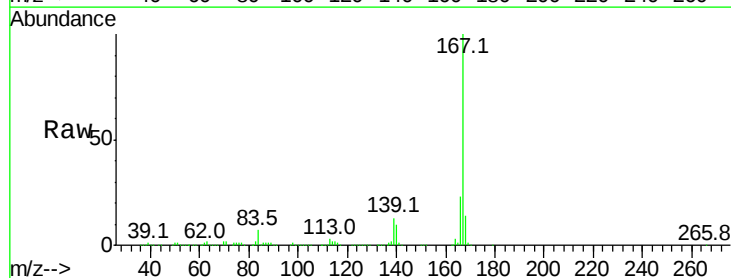
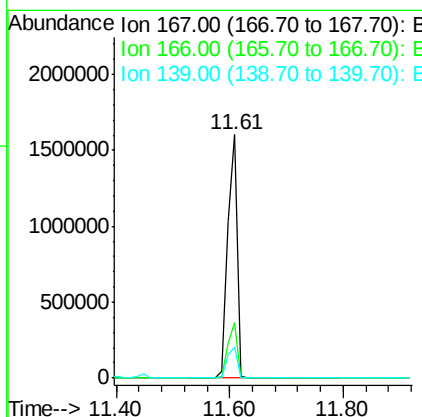
Manual Integrations
 APPROVED

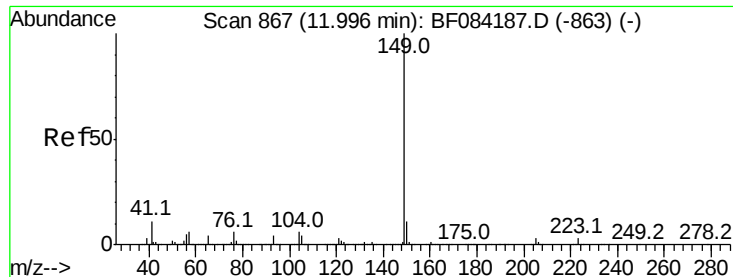
MMdadoda
 1/13/2016 3:29:48 PM



#72
 Carbazole
 Concen: 41.45 ng
 RT: 11.61 min Scan# 833
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.6	26.4
139	12.6	11.8	17.8





#73

Di-n-butylphthalate

Concen: 47.74 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

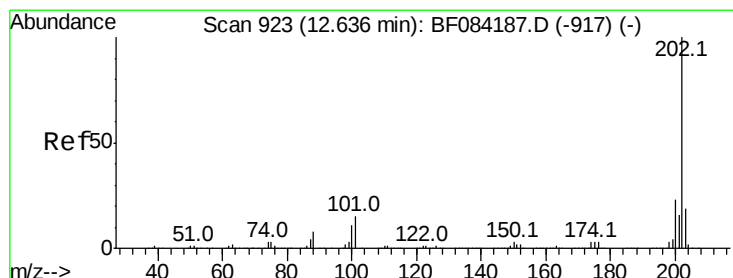
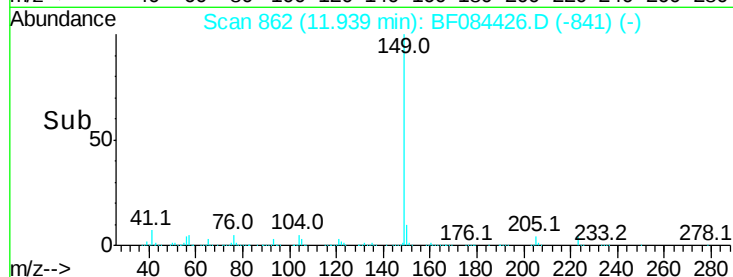
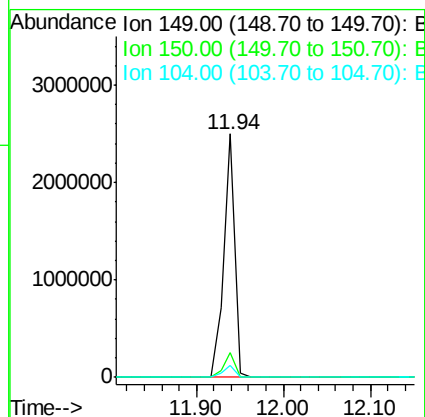
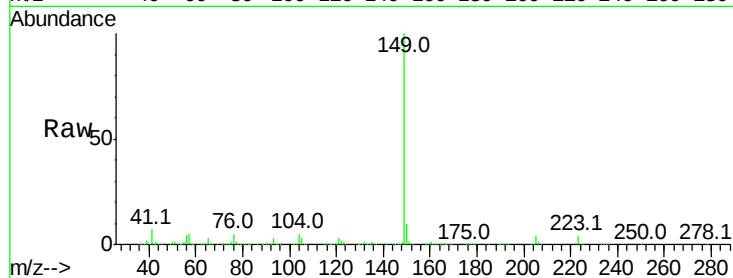
ClientSampleId :

PB87777BS

Manual Integrations
APPROVED

MMdadoda
1/13/2016 3:29:48 PM

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.1	10.7
104	5.1	3.2	4.8



#74

Fluoranthene

Concen: 38.42 ng

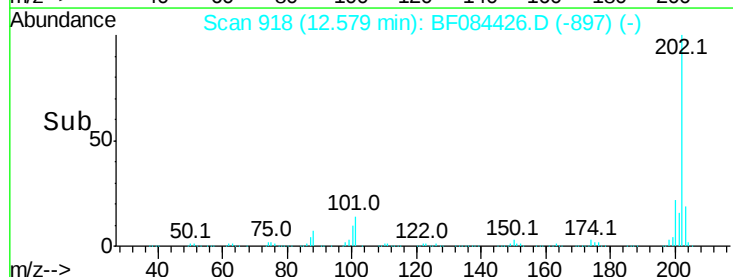
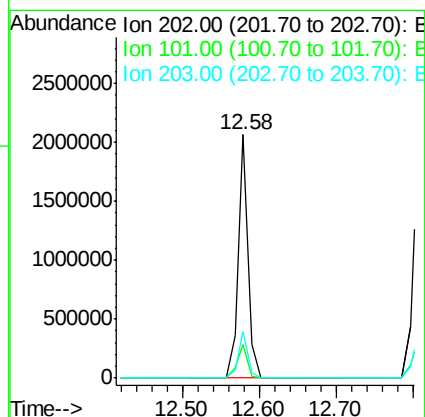
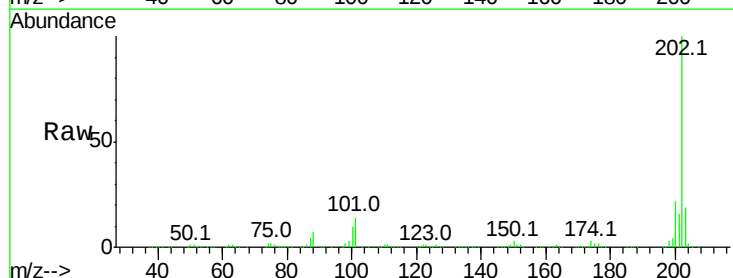
RT: 12.58 min Scan# 918

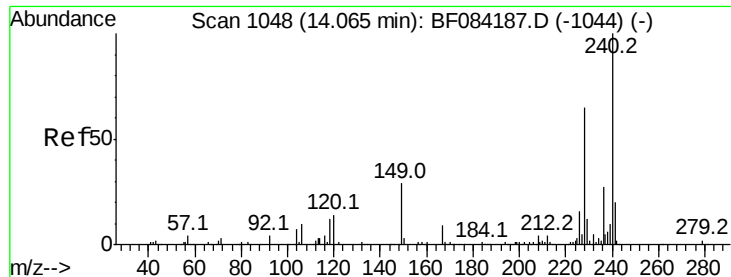
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	32.8
203	19.1	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

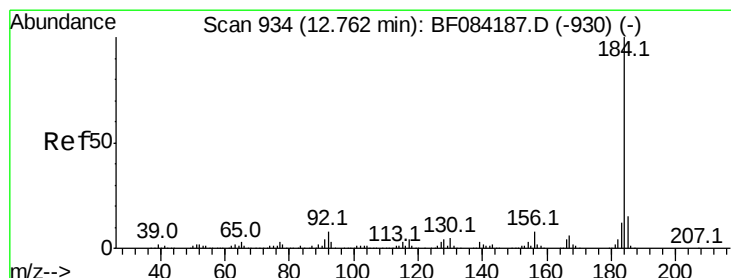
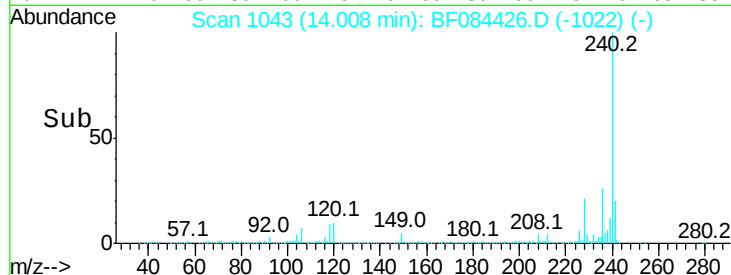
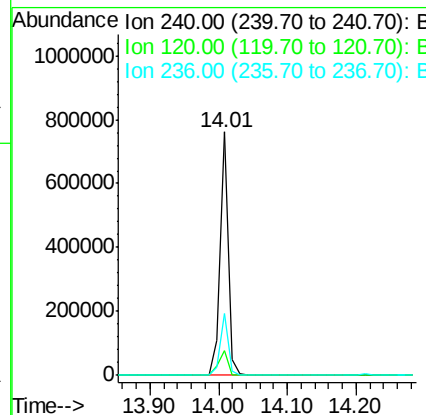
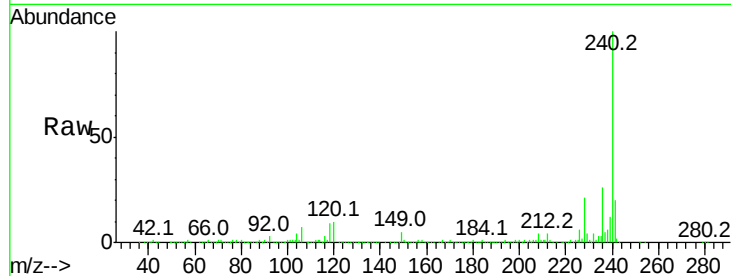
ClientSampleId :

PB8777BS

Tot Ion:	240	Resp:	641205
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	25.6	20.6	31.0

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#76

Benzidine

Concen: 23.90 ng

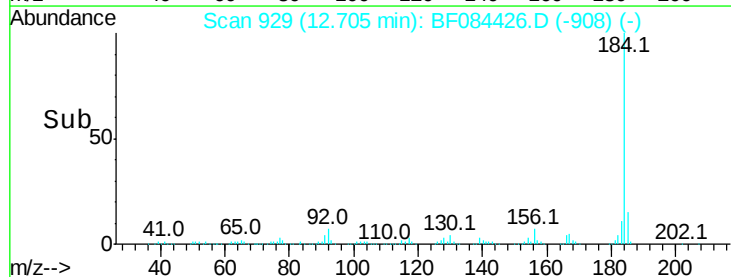
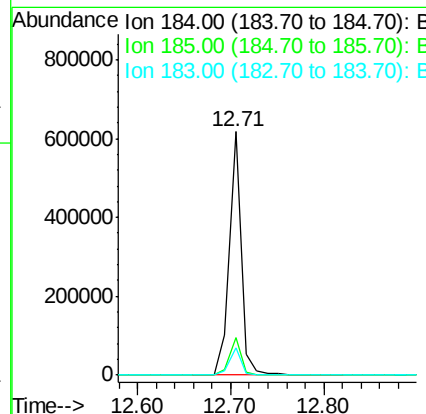
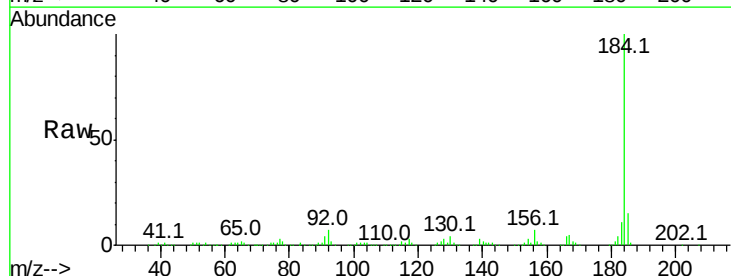
RT: 12.71 min Scan# 929

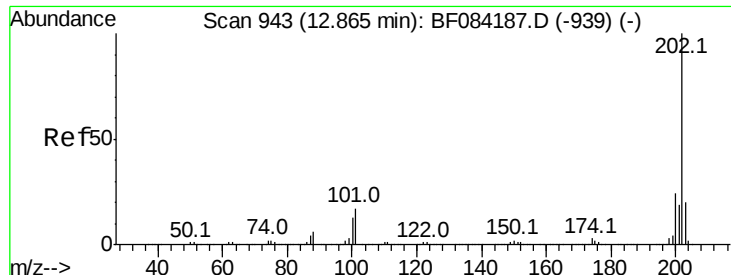
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:	184	Resp:	549361
Ion Ratio	Lower	Upper	
184	100		
185	15.2	12.2	18.2
183	11.1	9.8	14.8





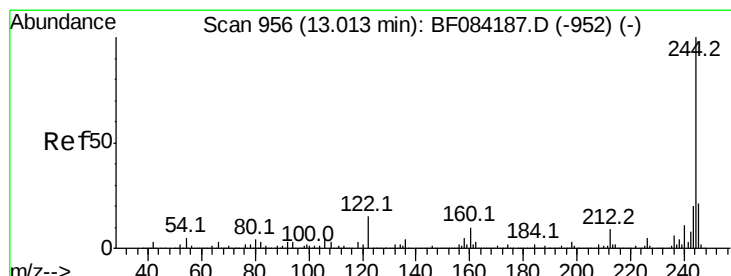
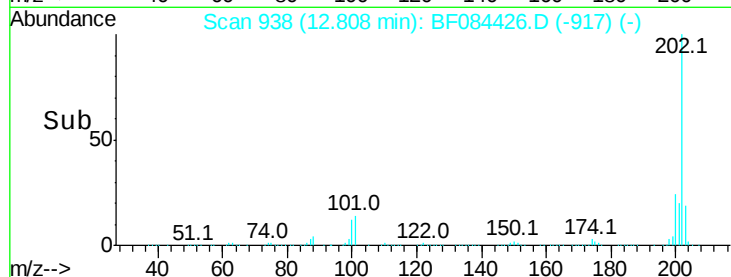
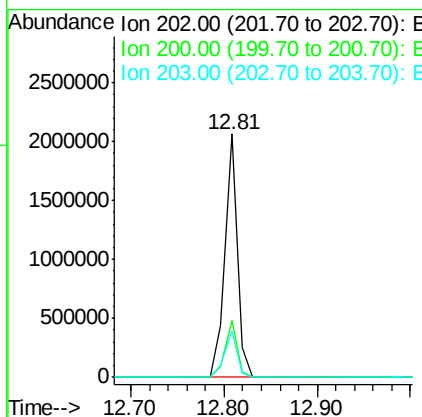
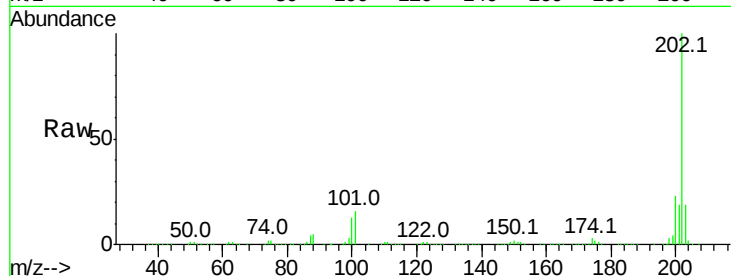
#77
Pvrene
Concen: 38.01 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion:202 Resp: 1912698
Ion Ratio Lower Upper
202 100
200 23.2 17.2 25.8
203 19.0 14.3 21.5

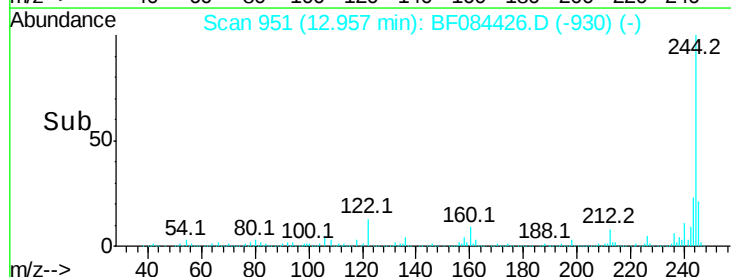
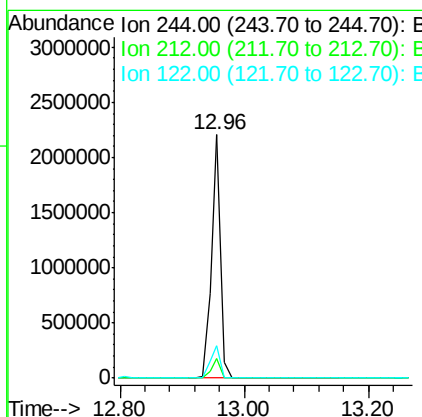
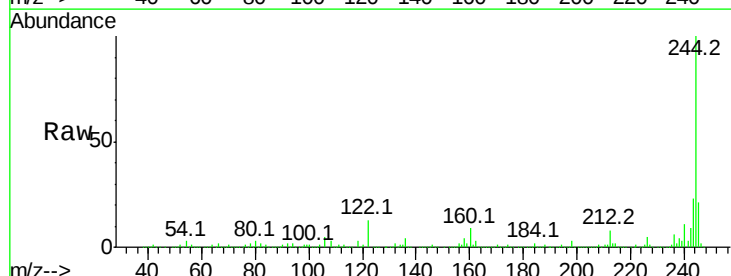
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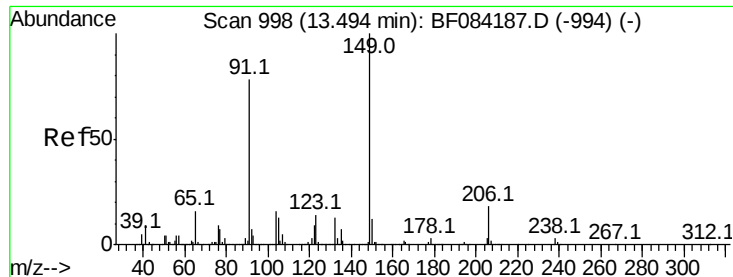
MMdadoda
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#78
Terphenyl-d14
Concen: 75.10 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.06 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion:244 Resp: 2157360
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 13.2 7.4 11.0#





#79

Butylbenzylphthalate

Concen: 40.87 ng

RT: 13.44 min Scan# 993

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

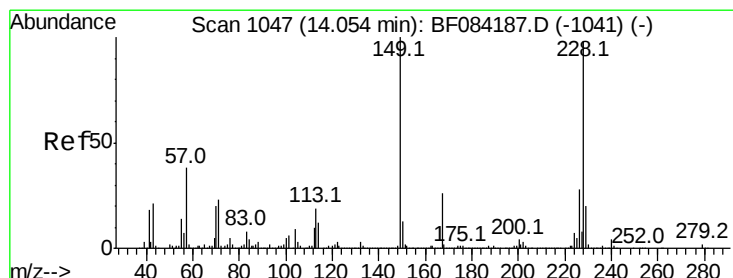
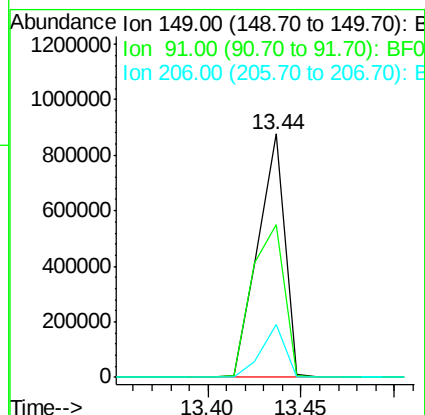
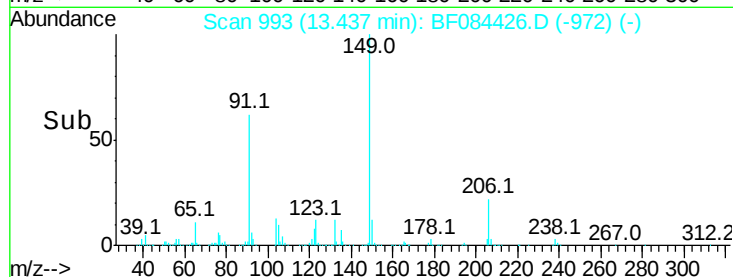
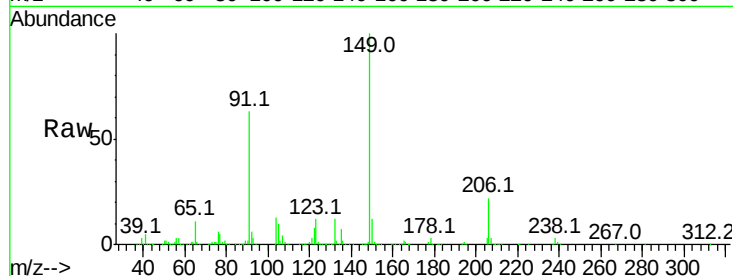
ClientSampleId :

PB8777BS

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Tot Ion	Ratio	Lower	Upper
149	100		
91	62.5	57.6	86.4
206	21.6	13.2	19.8



#80

Benzo(a)anthracene

Concen: 39.79 ng

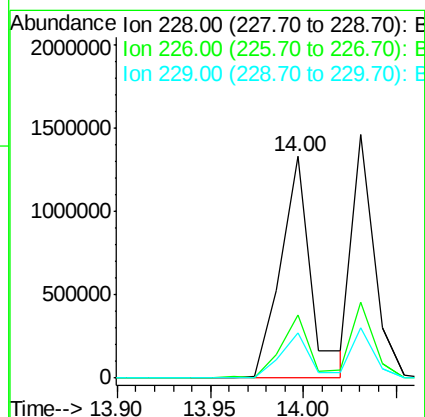
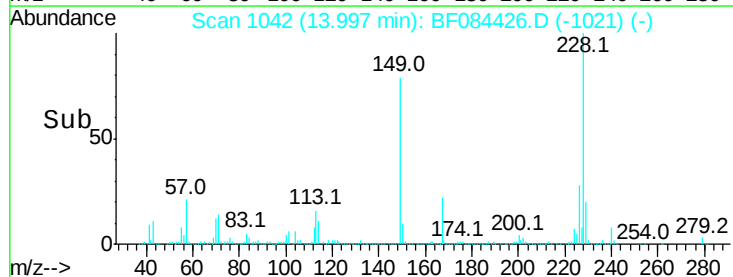
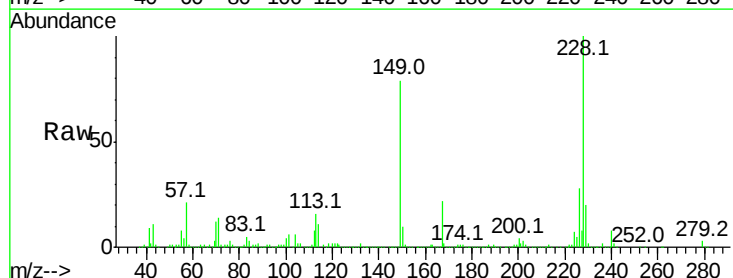
RT: 14.00 min Scan# 1042

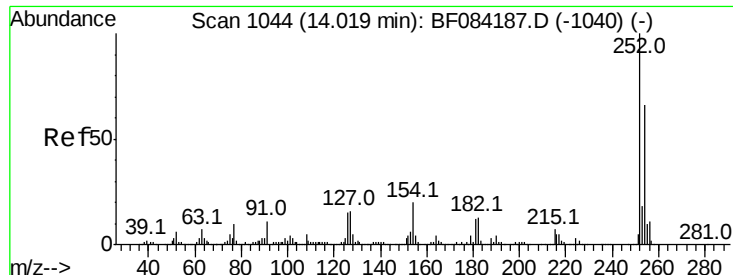
Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.6
229	20.3	15.8	23.8





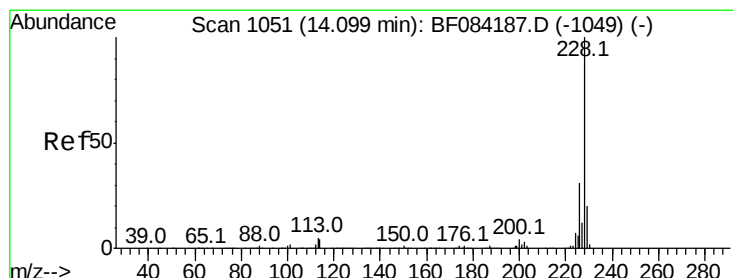
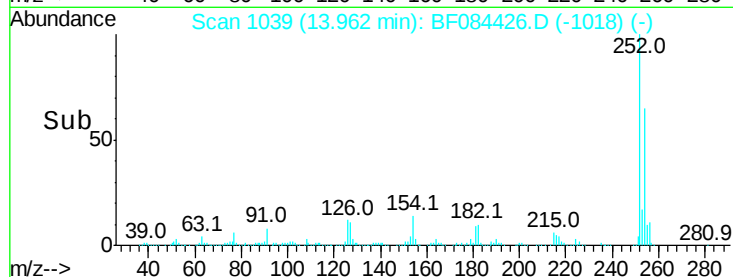
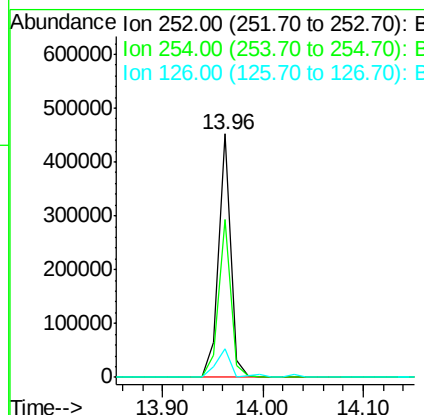
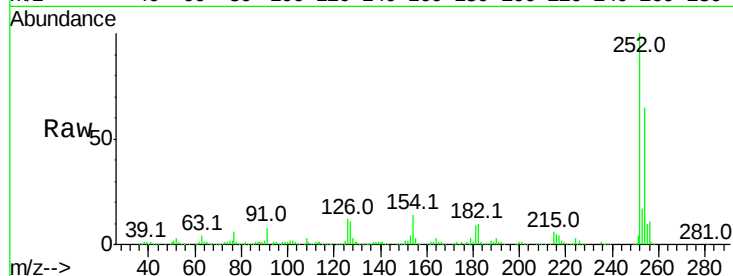
#81
 3,3'-Dichlorobenzidine
 Concen: 29.11 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.06 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PB8777BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.9	53.5	80.3
126	11.6	4.9	7.3

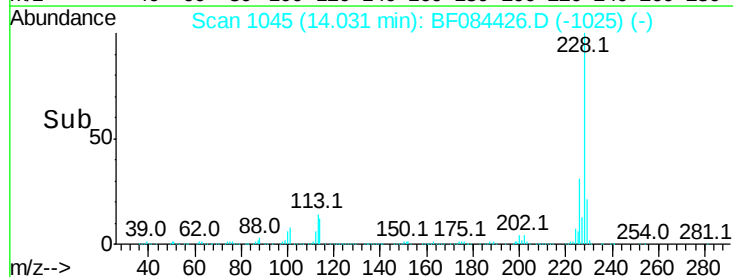
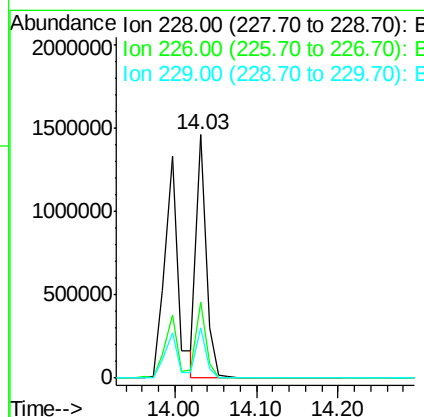
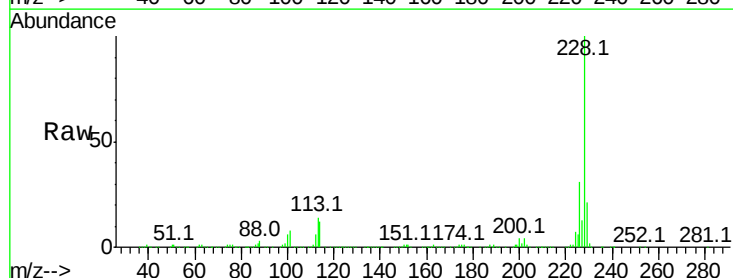
Manual Integrations
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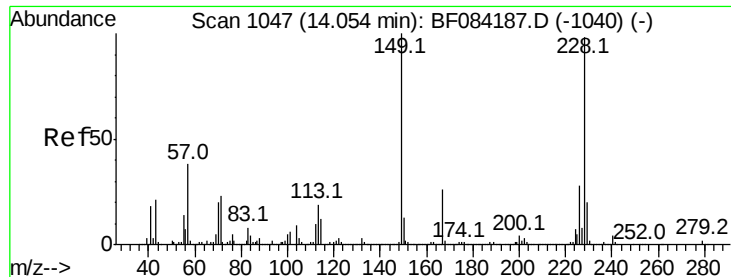
MMdadoda
 1/13/2016 3:29:48 PM



#82
 Chrysene
 Concen: 34.15 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.07 min
 Lab File: BF084426.D
 Acq: 12 Jan 2016 23:11

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.4	24.3	36.5
229	20.9	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 36.65 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.06 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB8777BS

Tot Ion:149 Resp: 1008261

Ion Ratio Lower Upper

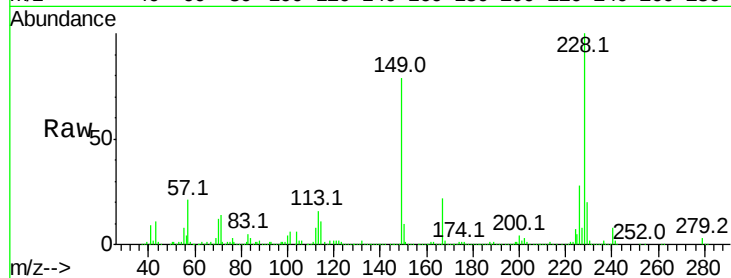
149 100

167 27.4 19.7 29.5

279 3.6 1.8 2.6#

Manual Integrations
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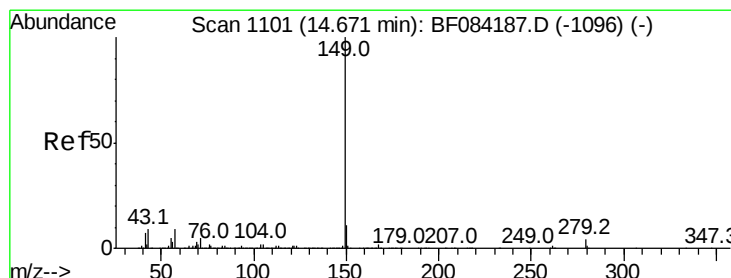
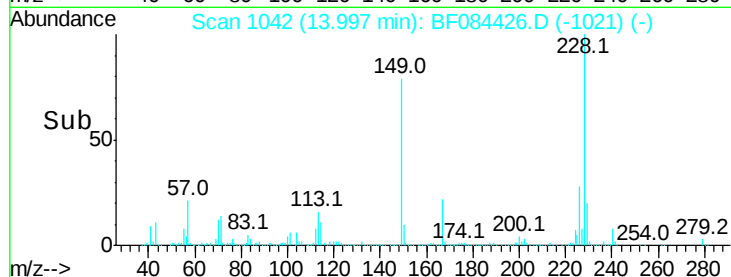
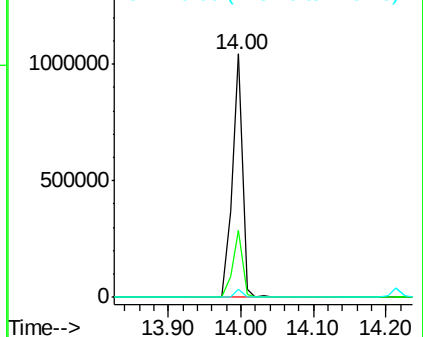
MMdadoda
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 34.50 ng

RT: 14.60 min Scan# 1095

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:149 Resp: 1602070

Ion Ratio Lower Upper

149 100

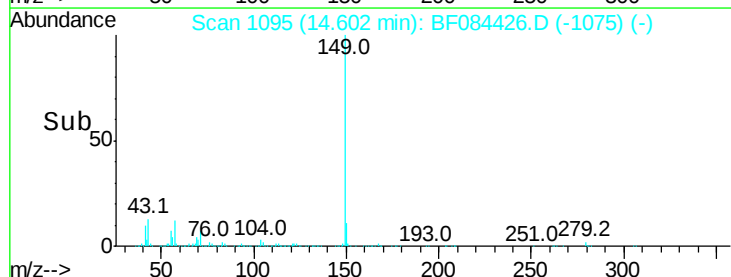
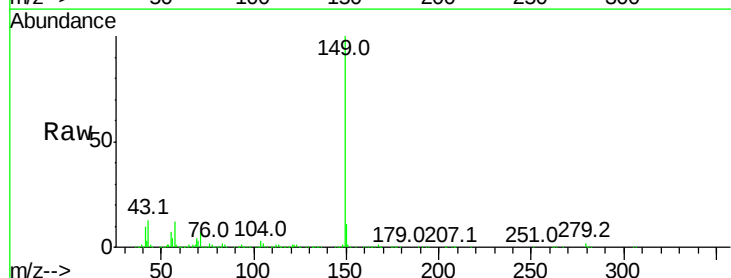
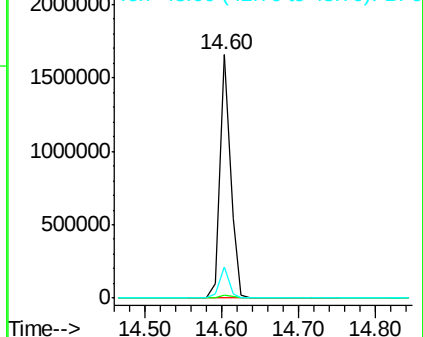
167 1.6 1.2 1.8

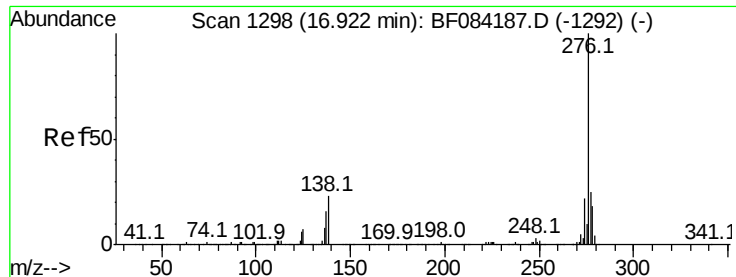
43 11.6 5.6 8.4#

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 48.61 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.10 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

ClientSampleId :

PB8777BS

Tot Ion:276 Resp: 1394111

Ion Ratio Lower Upper

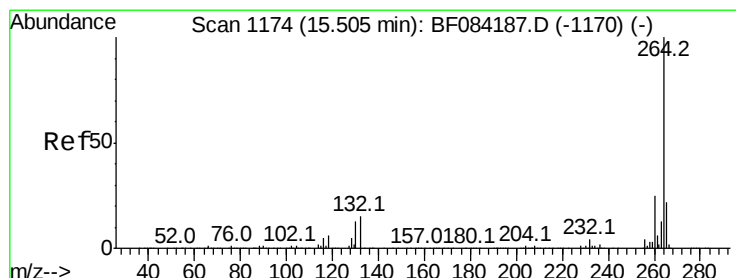
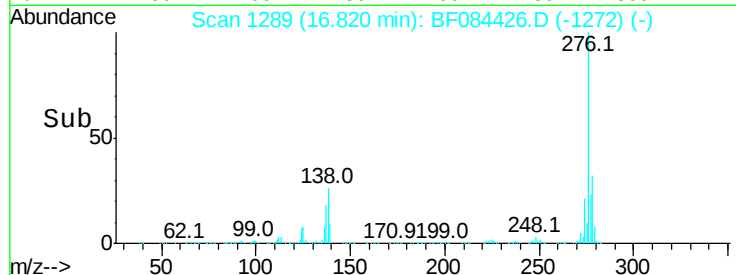
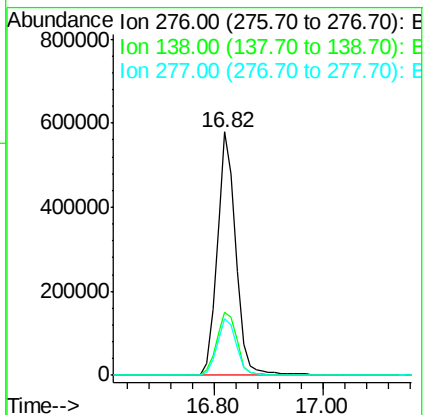
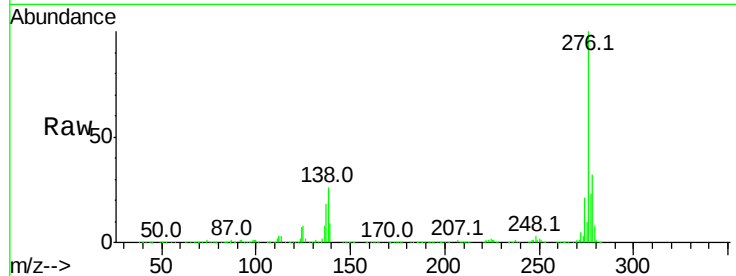
276 100

138 28.8 20.6 30.8

277 24.6 20.1 30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

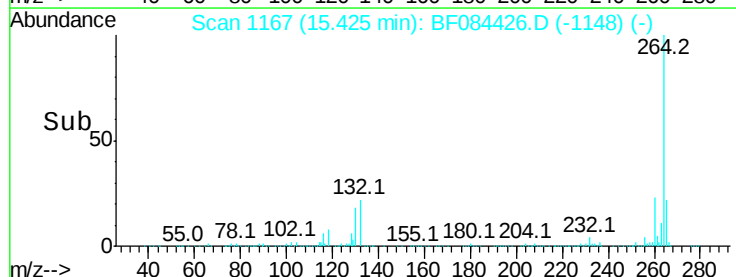
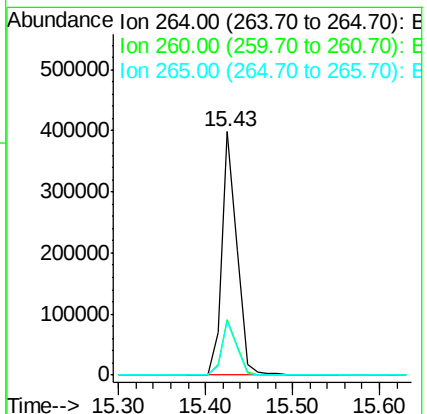
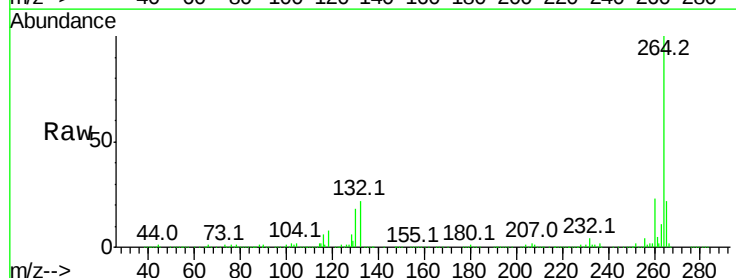
Tgt Ion:264 Resp: 483980

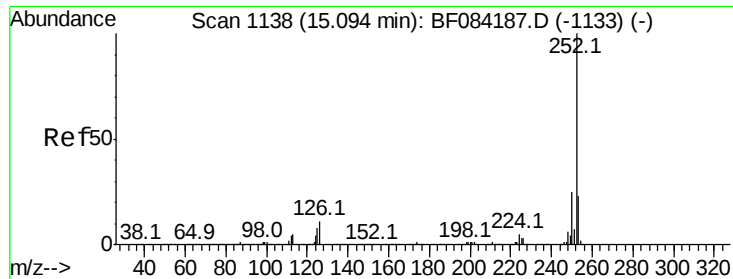
Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 22.3 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 42.18 ng m

RT: 15.03 min Scan# 1132

Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Instrument :

BNA_F

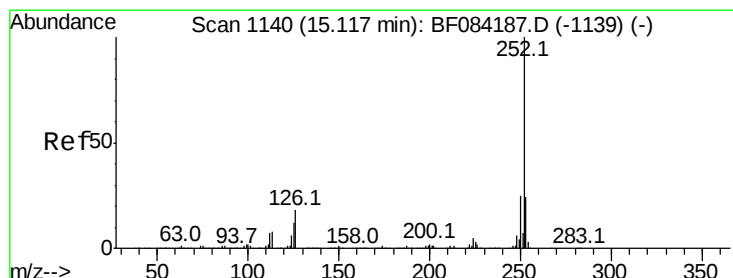
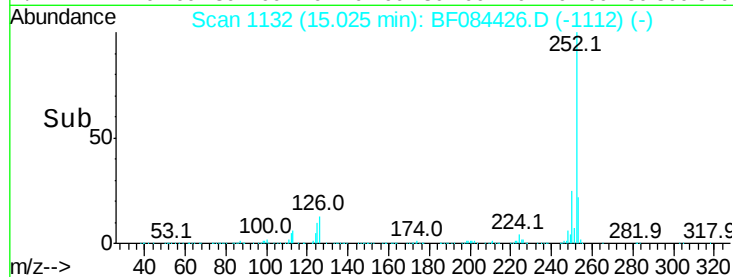
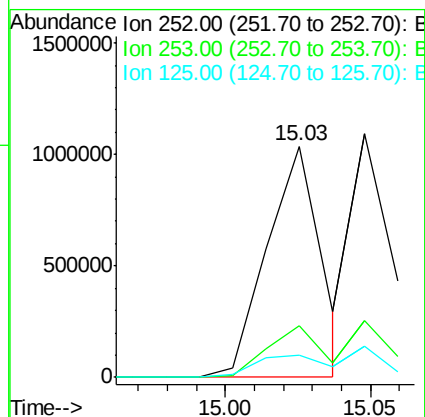
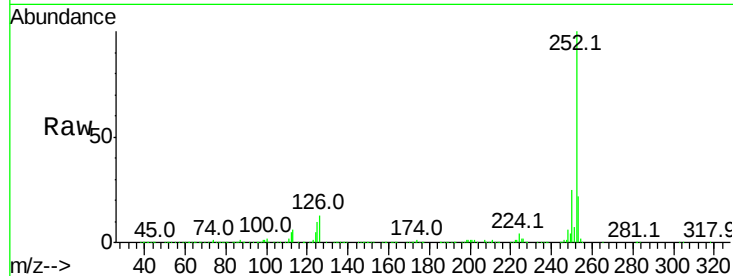
ClientSampleId :

PB87777BS

Tot Ion:	252	Resp:	1335303
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	9.6	6.5	9.7

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 42.79 ng m

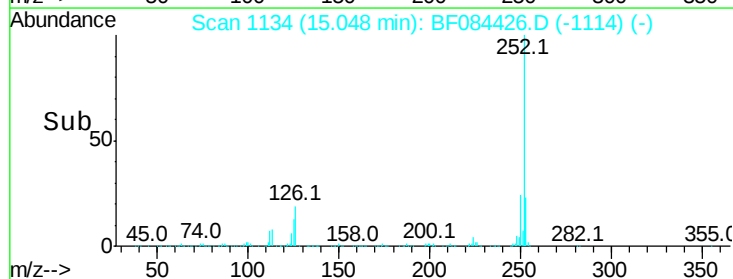
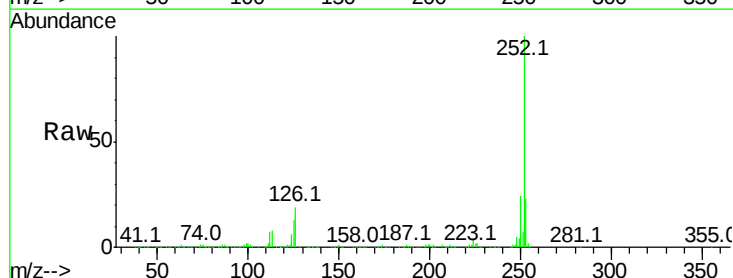
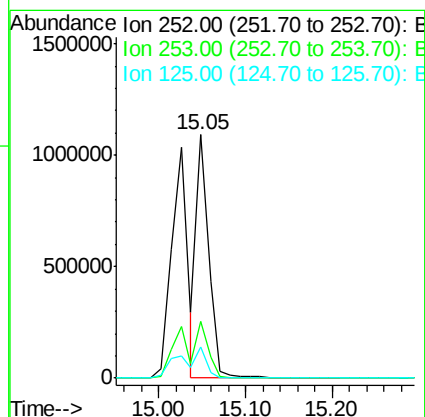
RT: 15.05 min Scan# 1134

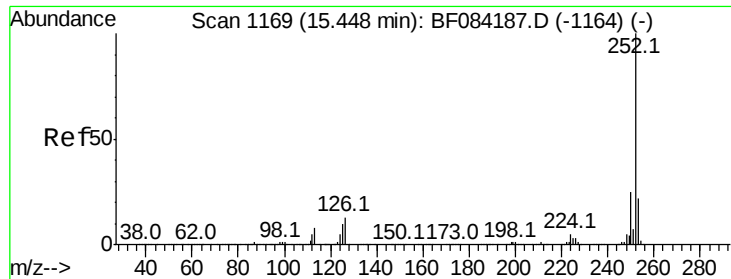
Delta R.T. -0.07 min

Lab File: BF084426.D

Acq: 12 Jan 2016 23:11

Tgt Ion:	252	Resp:	1107856
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	12.9	9.0	13.6





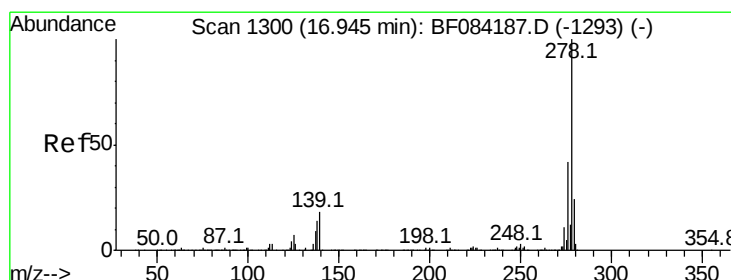
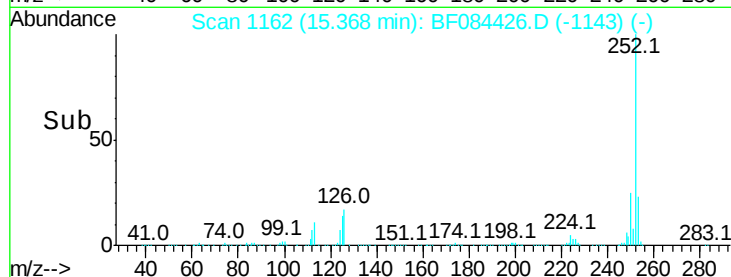
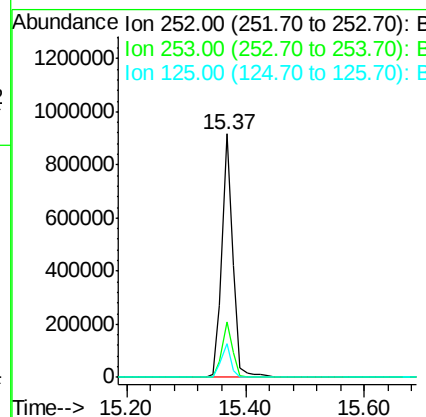
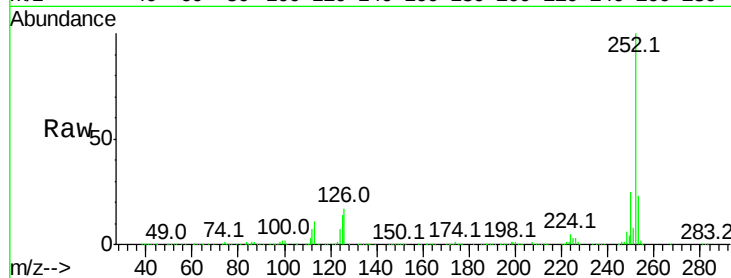
#89
Benzo(a)pyrene
Concen: 43.42 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.08 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB8777BS

Tot Ion:252 Resp: 1165949
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 13.7 7.0 10.4#

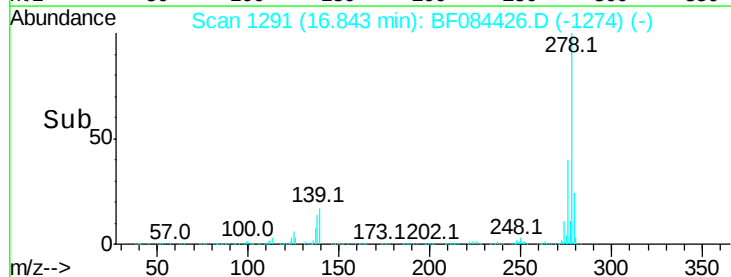
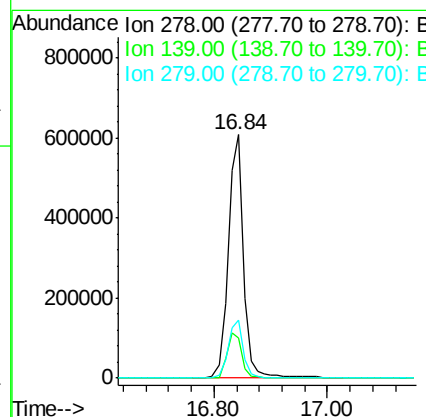
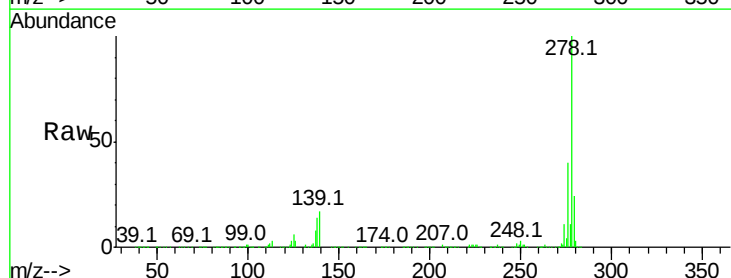
Manual Integrations
APPROVED

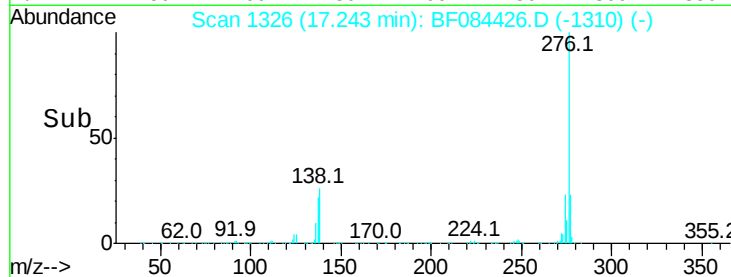
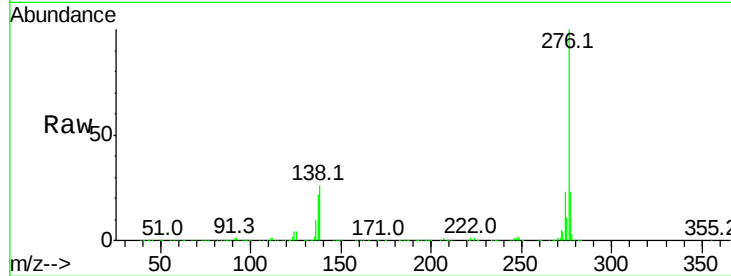
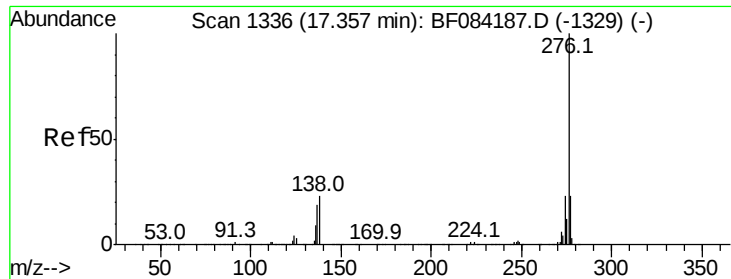
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#90
Dibenzo(a,h)anthracene
Concen: 49.55 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.10 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Tgt Ion:278 Resp: 1144984
Ion Ratio Lower Upper
278 100
139 16.7 15.0 22.4
279 24.1 18.9 28.3





#91
Benzo(a,h,i)perylene
Concen: 50.64 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.11 min
Lab File: BF084426.D
Acq: 12 Jan 2016 23:11

Instrument :
BNA_F
ClientSampleId :
PB87777BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	25.6	17.8	26.6

Manual Integrations
APPROVED

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