

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121615\
 Data File : BF083863.D
 Acq On : 16 Dec 2015 22:12
 Operator : UM/SJ
 Sample : G4775-24MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Manual Integrations
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MMdadoda
 12/17/2015 5:38:05 PM

Quant Time: Dec 17 12:57:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	89725	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	369096	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	166868	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	306808	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	177140	20.00	ng	-0.02
86) Perylene-d12	15.48	264	172956	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	791982	142.40	ng	-0.01
7) Phenol-d6	6.53	99	1017831	144.51	ng	-0.01
23) Nitrobenzene-d5	7.46	82	612739	92.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	289704	170.38	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	1028809	93.05	ng	-0.03
78) Terphenyl-d14	13.00	244	981936	119.24	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.57	88	95472	35.50	ng	# 82
3) Pyridine	3.30	79	294066	43.46	ng	85
4) n-Nitrosodimethylamine	3.25	42	115521	45.13	ng	# 64
6) Aniline	6.56	93	221965	23.20	ng	# 55
8) 2-Chlorophenol	6.68	128	300849	46.03	ng	90
9) Benzaldehyde	6.44	77	149515m	39.53	ng	
10) Phenol	6.56	94	329794	40.68	ng	87
11) bis(2-Chloroethyl)ether	6.64	93	299009	50.93	ng	# 83
12) 1,3-Dichlorobenzene	6.84	146	326068m	47.01	ng	
13) 1,4-Dichlorobenzene	6.91	146	326385	46.57	ng	99
14) 1,2-Dichlorobenzene	7.07	146	319446	50.72	ng	98
15) Benzyl Alcohol	7.04	79	255579	49.39	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	307575	40.35	ng	71
17) 2-Methylphenol	7.15	107	263109	50.07	ng	# 87
18) Hexachloroethane	7.41	117	125122	50.27	ng	99
19) n-Nitroso-di-n-propylamine	7.31	70	203135	47.10	ng	91
20) 3+4-Methylphenols	7.31	107	306815	49.46	ng	# 68
22) Acetophenone	7.31	105	412194	45.52	ng	# 98
24) Nitrobenzene	7.48	77	346586	50.47	ng	# 79
25) Isophorone	7.72	82	586490	45.31	ng	# 90
26) 2-Nitrophenol	7.79	139	158408	48.02	ng	89
27) 2,4-Dimethylphenol	7.84	122	288313	44.48	ng	97
28) bis(2-Chloroethoxy)methane	7.93	93	347076	46.99	ng	# 98
29) 2,4-Dichlorophenol	8.04	162	276965	52.05	ng	95
30) 1,2,4-Trichlorobenzene	8.12	180	263499	47.75	ng	96
31) Naphthalene	8.20	128	910084	47.30	ng	99
32) Benzoic acid	7.93	122	42968	10.64	ng	91
33) 4-Chloroaniline	8.25	127	78922m	10.04	ng	
34) Hexachlorobutadiene	8.33	225	151558	50.05	ng	98
35) Caprolactam	8.61	113	83815m	49.05	ng	
36) 4-Chloro-3-methylphenol	8.74	107	295292	47.44	ng	90
37) 2-Methylnaphthalene	8.89	142	579384	47.97	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	232773	47.29	ng	# 100
40) Hexachlorocyclopentadiene	9.05	237	171959	68.94	ng	99

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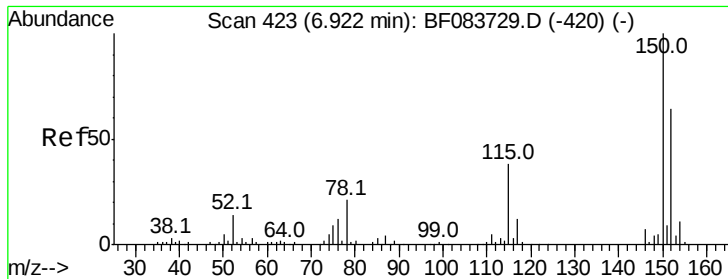
Manual Integrations
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 12/17/2015 5:38:05 PM

Quant Time: Dec 17 12:57:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	189243	52.52	nq	97
43) 2,4,5-Trichlorophenol	9.22	196	178916	52.35	nq	# 90
45) 1,1'-Biphenyl	9.36	154	689747	46.64	nq	96
46) 2-Chloronaphthalene	9.38	162	513076	47.00	nq	# 92
47) 2-Nitroaniline	9.47	65	148506	47.97	nq	# 79
48) Acenaphthylene	9.79	152	848893	46.22	nq	100
49) Dimethylphthalate	9.66	163	949782	73.01	nq	99
50) 2,6-Dinitrotoluene	9.72	165	155426	56.29	nq	# 54
51) Acenaphthene	9.96	154	533399	48.04	nq	100
52) 3-Nitroaniline	9.88	138	96071	30.18	nq	# 75
53) 2,4-Dinitrophenol	9.98	184	67027	54.15	nq	# 80
54) Dibenzofuran	10.13	168	733862	49.88	nq	# 87
55) 4-Nitrophenol	10.05	139	212471	90.14	nq	83
56) 2,4-Dinitrotoluene	10.12	165	198522	55.04	nq	# 75
57) Fluorene	10.48	166	549606	47.44	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	152794	59.60	nq	# 100
59) Diethylphthalate	10.36	149	672844	51.09	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	272858	51.65	nq	95
61) 4-Nitroaniline	10.50	138	141759	50.52	nq	93
62) Azobenzene	10.64	77	639066	53.23	nq	87
64) 4,6-Dinitro-2-methylphenol	10.53	198	93813	53.74	nq	# 56
65) n-Nitrosodiphenylamine	10.59	169	490616	46.76	nq	98
66) 4-Bromophenyl-phenylether	10.96	248	165821	48.34	nq	# 74
67) Hexachlorobenzene	11.04	284	196187	52.85	nq	# 81
68) Atrazine	11.12	200	156150	52.30	nq	97
69) Pentachlorophenol	11.22	266	174259	83.23	nq	100
70) Phenanthrene	11.44	178	781741	47.96	nq	99
71) Anthracene	11.49	178	839027	49.56	nq	99
72) Carbazole	11.64	167	725100	45.97	nq	# 96
73) Di-n-butylphthalate	11.97	149	937653	48.95	nq	99
74) Fluoranthene	12.62	202	809541	48.07	nq	99
76) Benzidine	12.74	184	281203	52.09	nq	96
77) Pyrene	12.85	202	809002	57.78	nq	99
79) Butylbenzylphthalate	13.47	149	372526	62.00	nq	93
80) Benzo(a)anthracene	14.04	228	539694	53.58	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	129747	35.71	nq	98
82) Chrysene	14.08	228	547975	55.78	nq	99
83) Bis(2-ethylhexyl)phthalate	14.03	149	426252	62.33	nq	# 97
84) Di-n-octyl phthalate	14.64	149	689745	63.47	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.92	276	621136	64.37	nq	# 100
87) Benzo(b)fluoranthene	15.07	252	488528	44.27	nq	98
88) Benzo(k)fluoranthene	15.11	252	494454m	49.46	nq	
89) Benzo(a)pyrene	15.43	252	481536	48.91	nq	100
90) Dibenzo(a,h)anthracene	16.93	278	513509	52.45	nq	99
91) Benzo(g,h,i)perylene	17.35	276	537463	53.40	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083863.D

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BNA_F

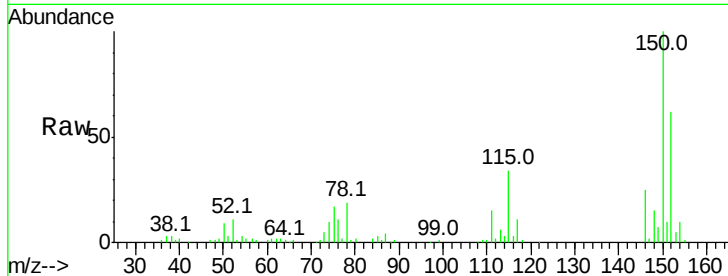
ClientSampleId :

COMPOSITE-C-20150874MSD

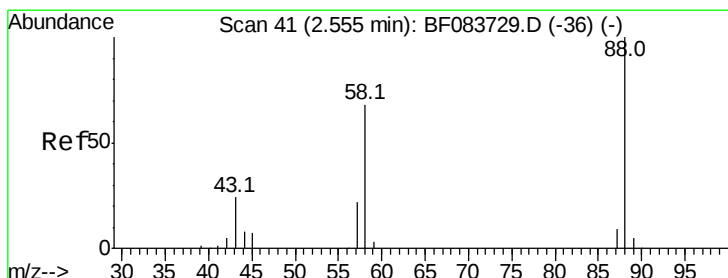
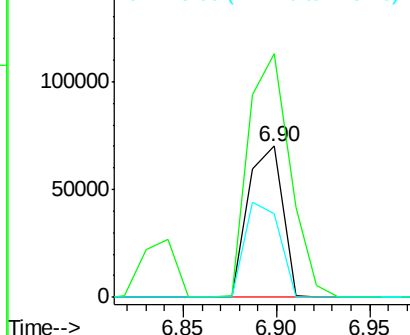
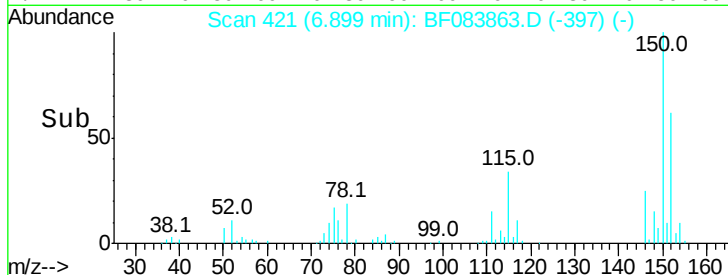
Tot Ion:	152	Resp:	89725
Ion Ratio	Lower	Upper	
152	100		
150	160.9	126.5	189.7
115	55.5	52.3	78.5

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



#2

1,4-Dioxane

Concen: 35.50 ng

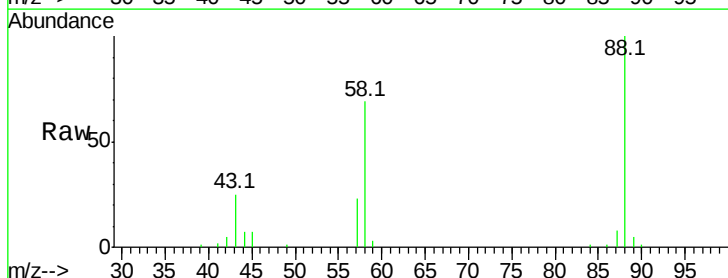
RT: 2.57 min Scan# 42

Delta R.T. 0.00 min

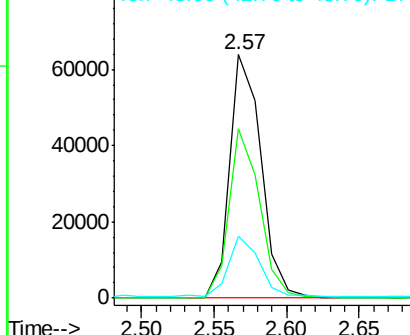
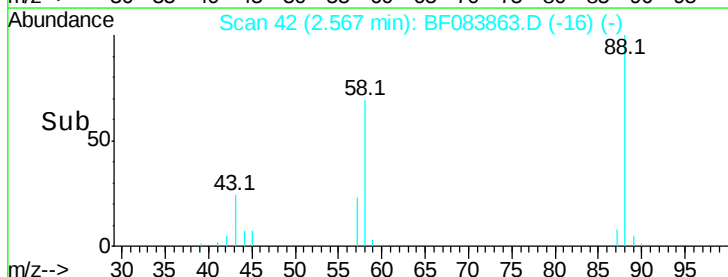
Lab File: BF083863.D

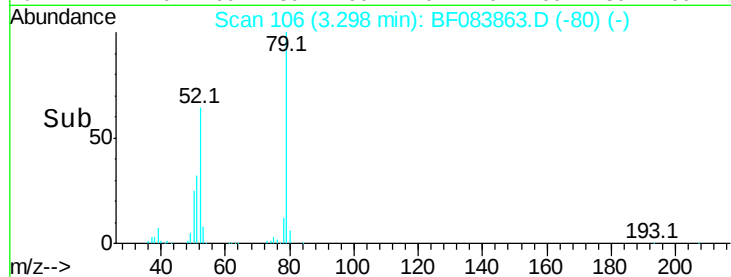
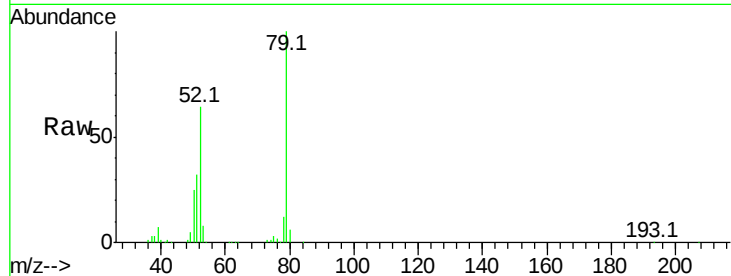
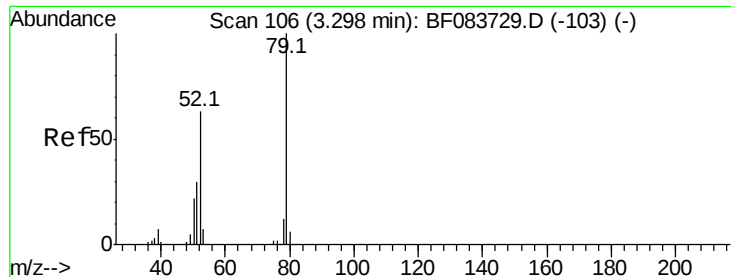
Acq: 16 Dec 2015 22:12

Tgt Ion:	88	Resp:	95472
Ion Ratio	Lower	Upper	
88	100		
58	68.0	68.0	102.0#
43	25.1	27.9	41.9#



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





#3

Pvridine

Concen: 43.46 ng

RT: 3.30 min Scan# 106

Delta R.T. 0.00 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tot Ion:	79	Resp:	294066
Ion Ratio	Lower	Upper	
79	100		
52	64.4	63.7	95.5
51	32.0	30.6	45.8

Instrument :

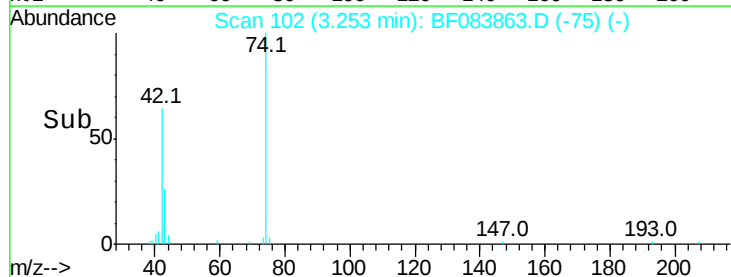
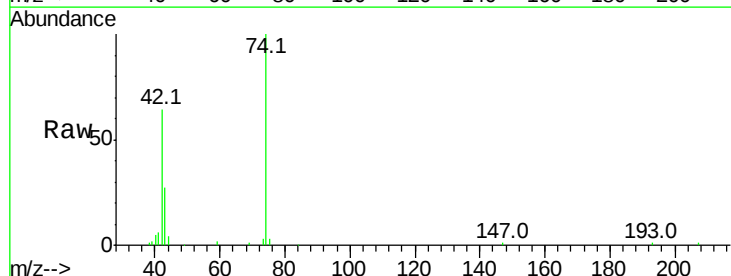
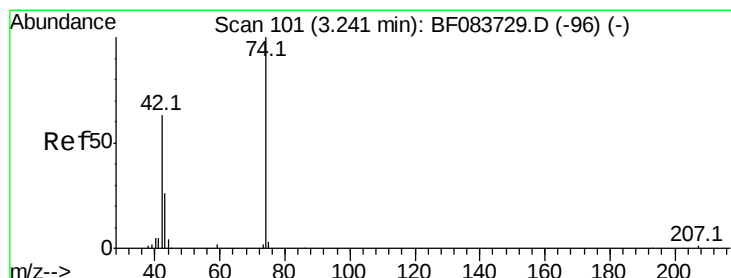
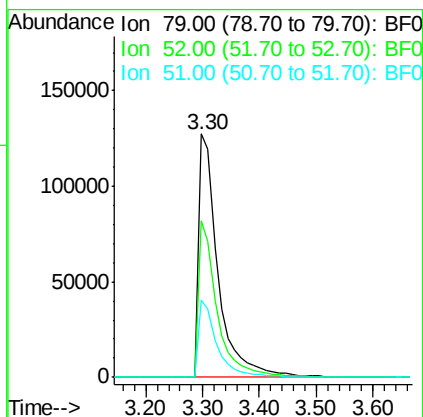
BNA_F

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#4

n-Nitrosodimethylamine

Concen: 45.13 ng

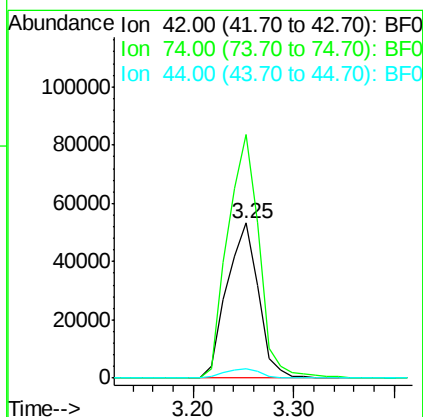
RT: 3.25 min Scan# 102

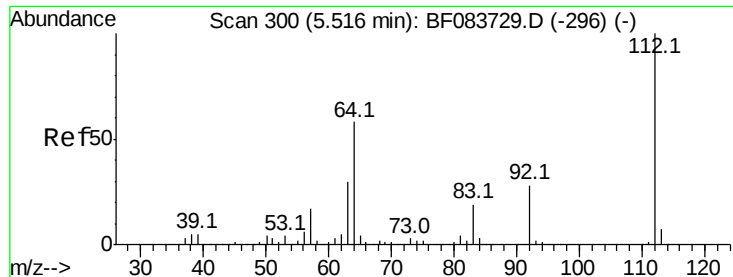
Delta R.T. 0.01 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	42	Resp:	115521
Ion Ratio	Lower	Upper	
42	100		
74	157.2	92.9	139.3#
44	6.4	5.7	8.5





#5

2-Fluorophenol

Concen: 142.40 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

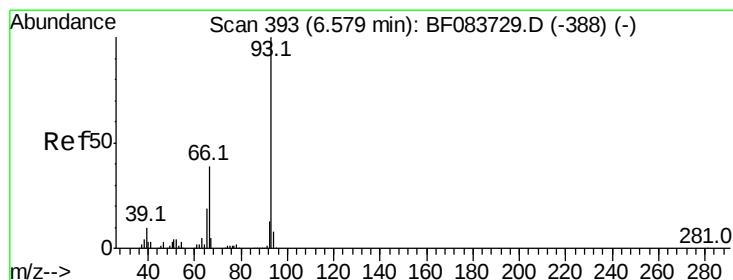
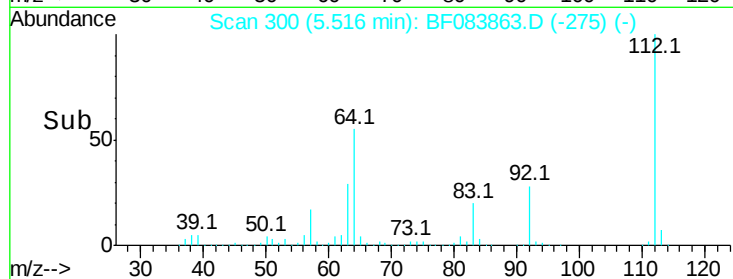
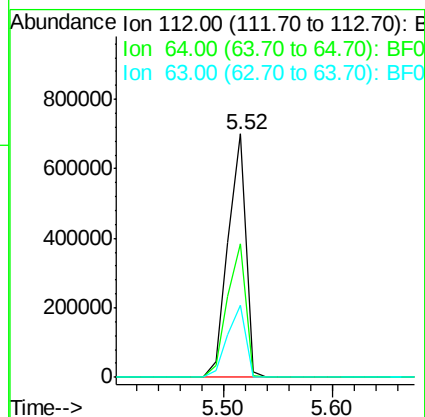
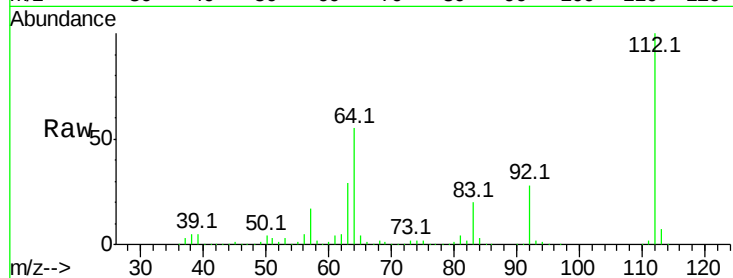
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		791982		
64	54.8		50.5	75.7	
63	29.4		25.8	38.6	

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#6

Aniline

Concen: 23.20 ng

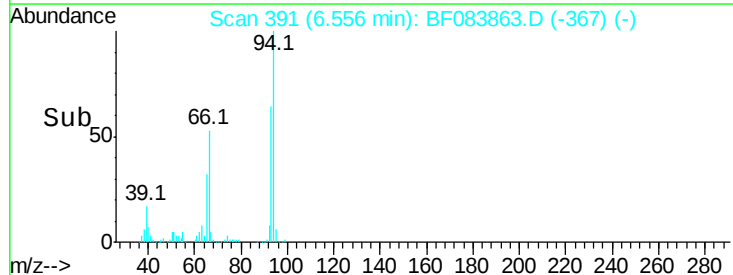
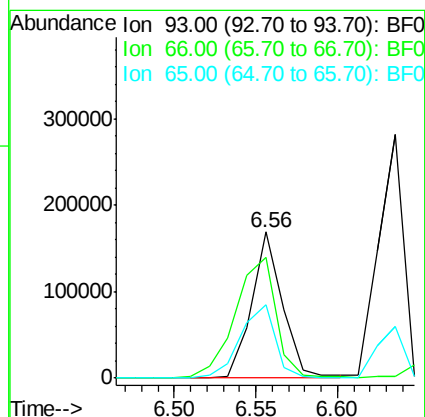
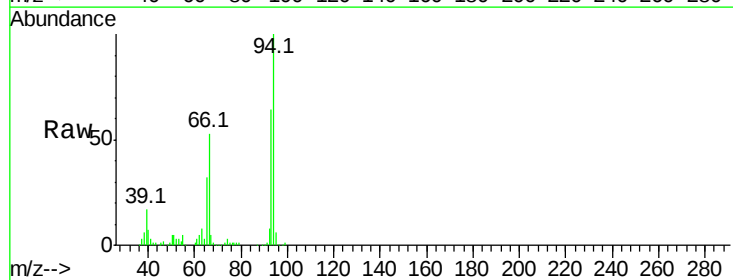
RT: 6.56 min Scan# 391

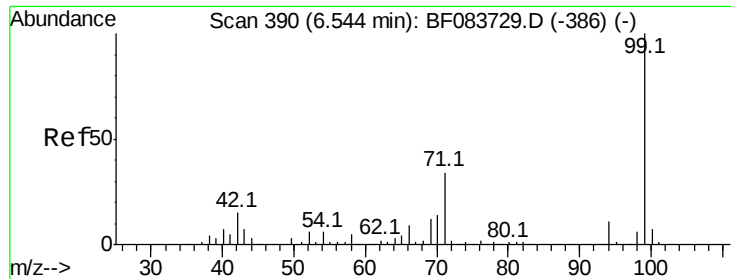
Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		221965		
66	82.5		41.3	61.9#	
65	50.2		20.8	31.2#	





#7

Phenol-d6

Concen: 144.51 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion: 99 Resp: 1017831

Ion Ratio Lower Upper

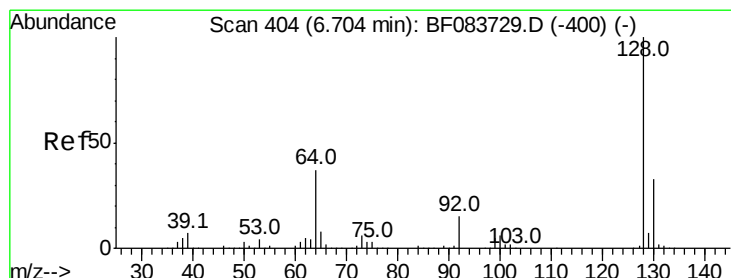
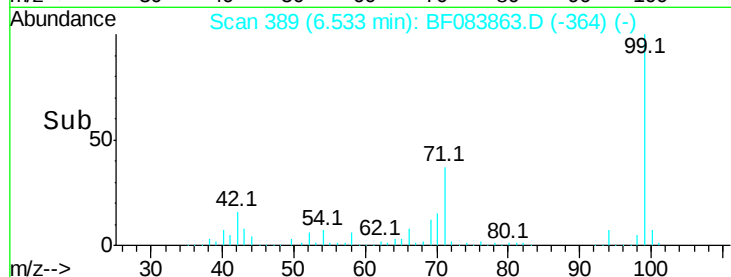
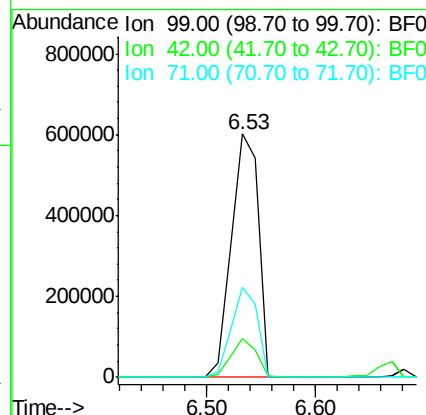
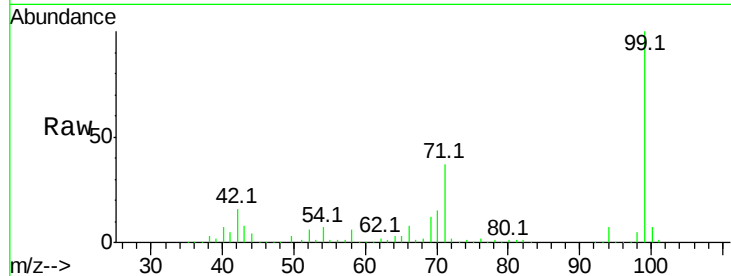
99 100

42 16.1 17.3 25.9#

71 36.9 26.6 40.0

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#8

2-Chlorophenol

Concen: 46.03 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

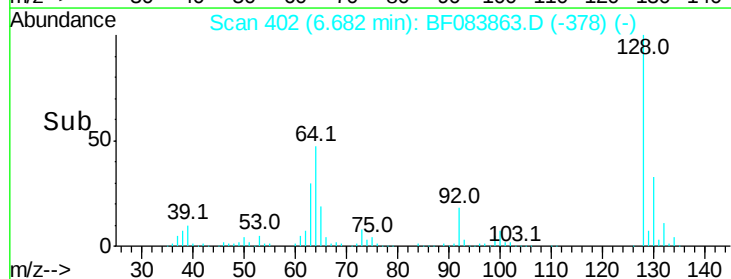
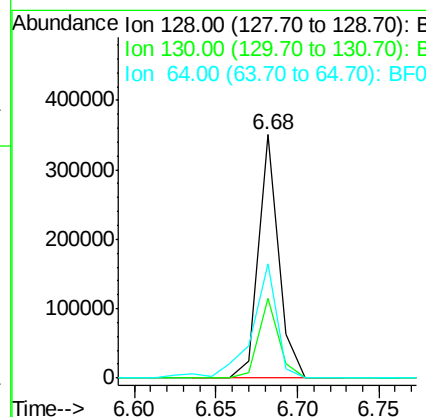
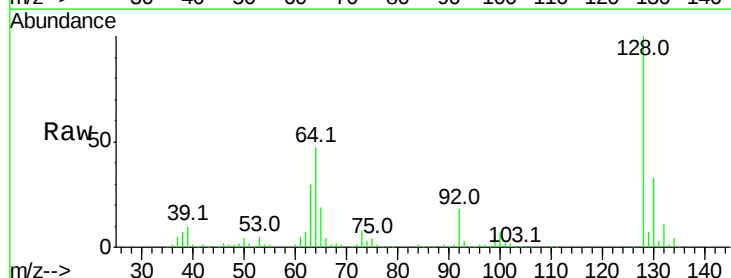
Tgt Ion: 128 Resp: 300849

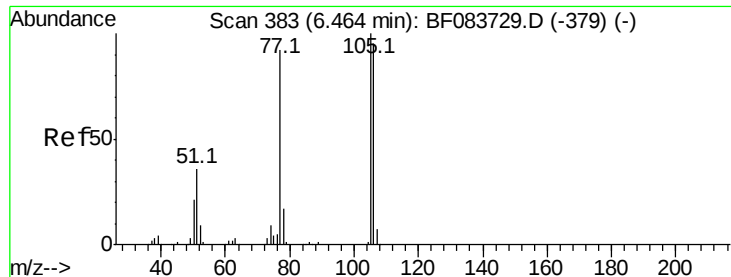
Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

64 46.8 38.6 78.6





#9

Benzaldehyde

Concen: 39.53 ng/mL

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF083863.D

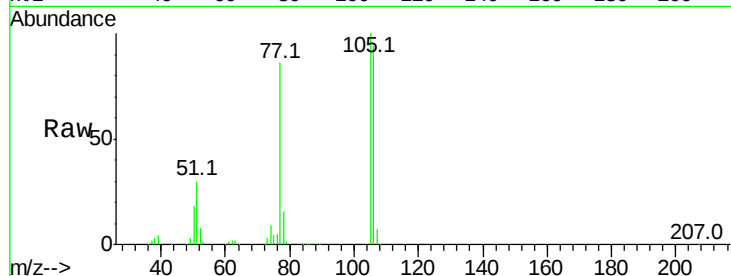
Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

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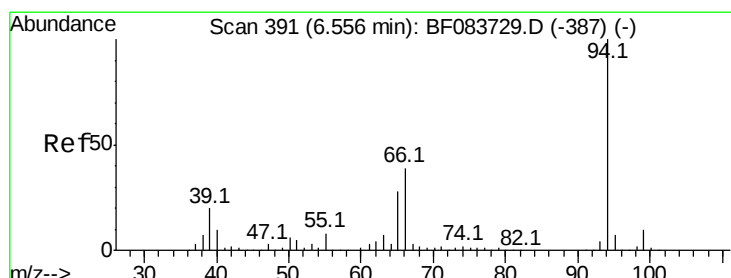
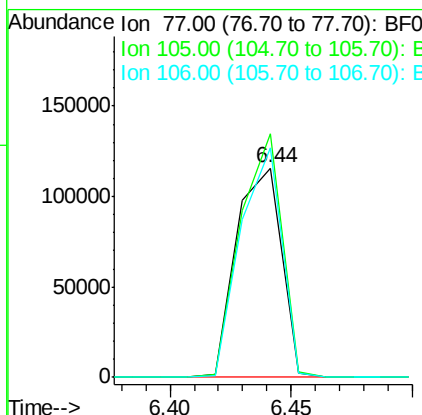
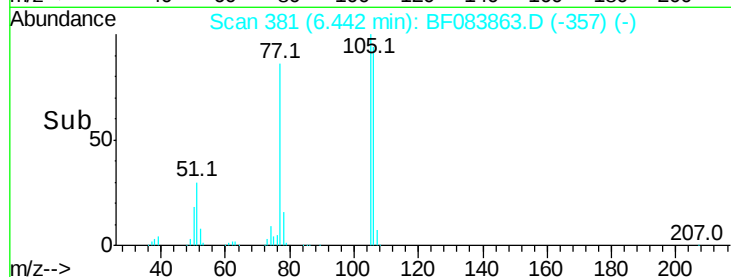
COMPOSITE-C-20150874MSD



Tot Ion:	77	Resp:	149515
Ion Ratio	Lower	Upper	
77	100		
105	116.4	71.8	111.8#
106	110.0	66.8	106.8#

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#10

Phenol

Concen: 40.68 ng/mL

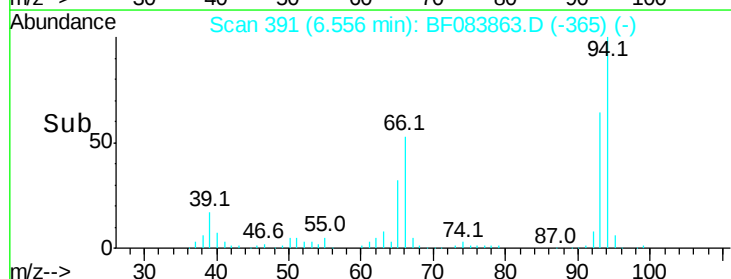
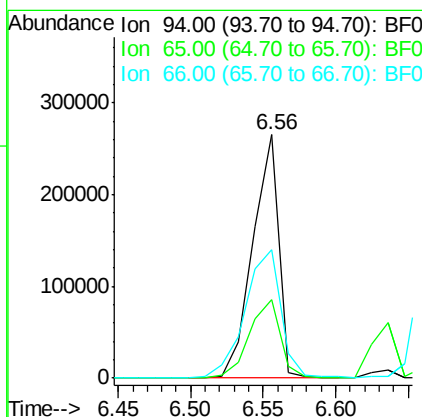
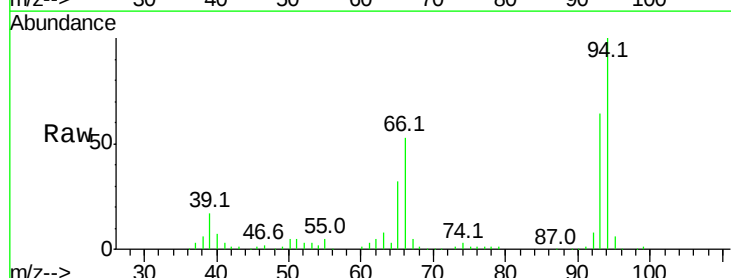
RT: 6.56 min Scan# 391

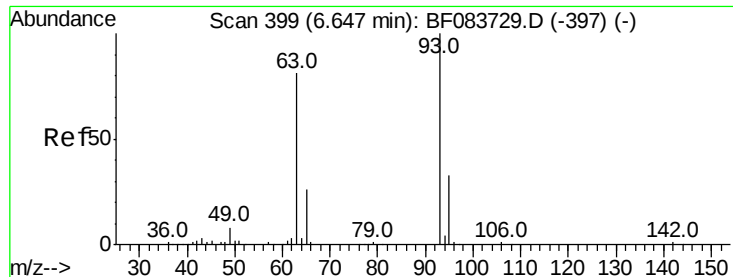
Delta R.T. 0.00 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	94	Resp:	329794
Ion Ratio	Lower	Upper	
94	100		
65	32.0	20.9	60.9
66	52.5	41.6	81.6





#11

bis(2-Chloroethyl)ether

Concen: 50.93 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion: 93 Resp: 299009

Ion Ratio Lower Upper

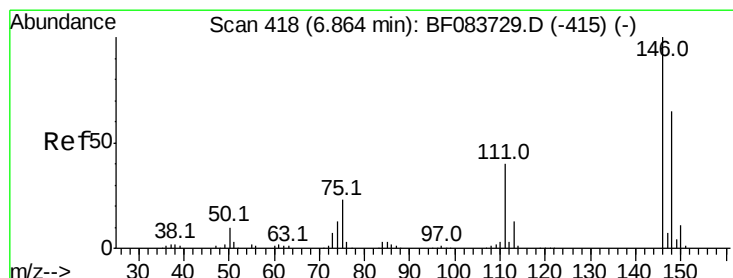
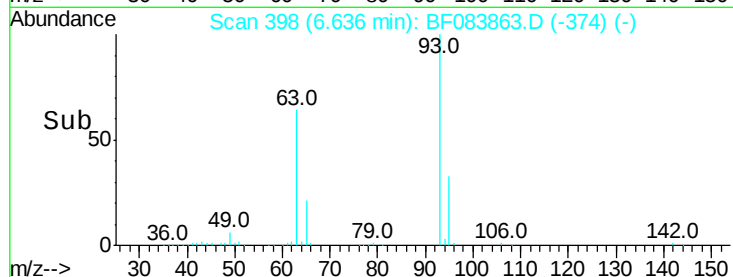
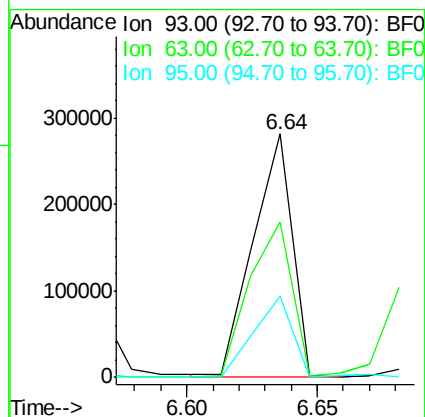
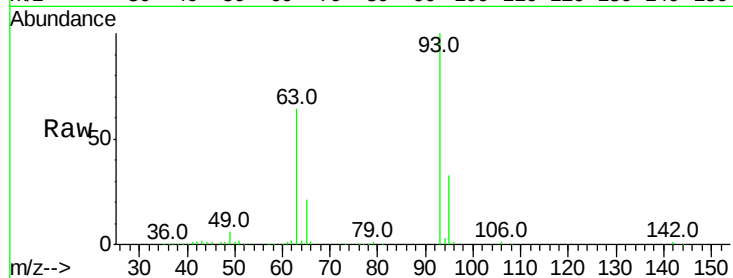
93 100

63 63.9 64.7 104.7#

95 33.2 12.7 52.7

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 47.01 ng m

RT: 6.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

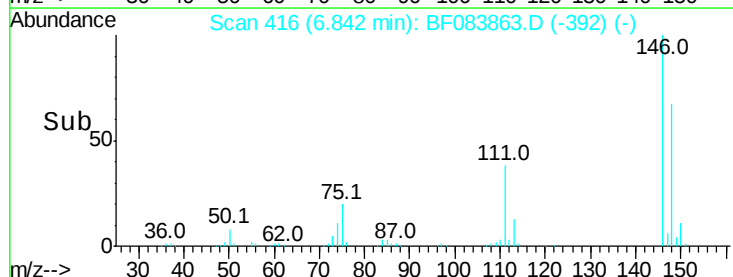
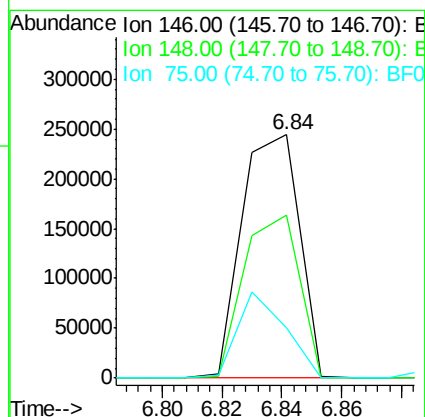
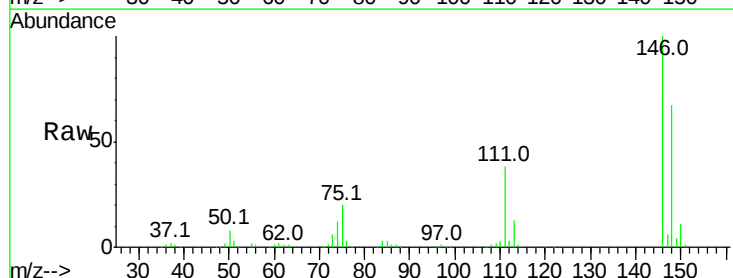
Tgt Ion: 146 Resp: 326068

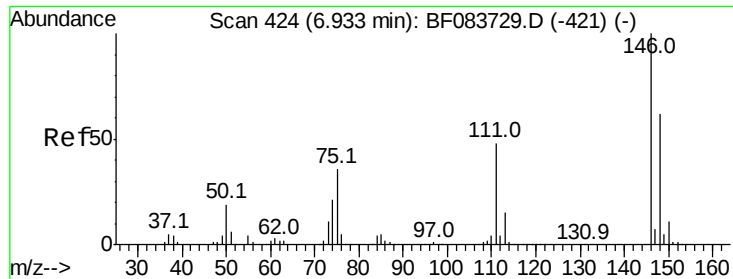
Ion Ratio Lower Upper

146 100

148 66.9 51.3 76.9

75 20.5 24.1 36.1#





#13

1,4-Dichlorobenzene

Concen: 46.57 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

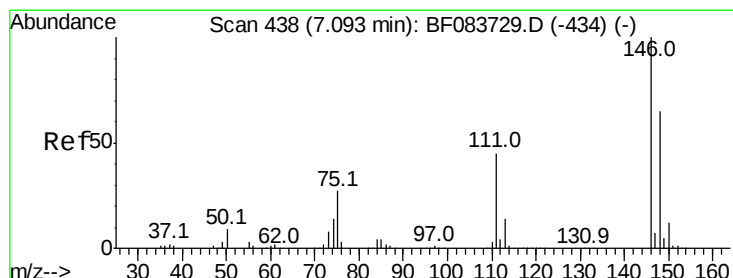
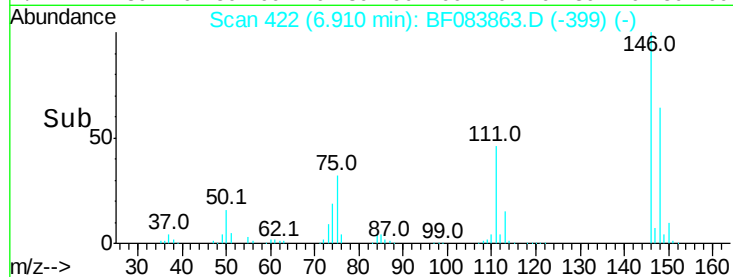
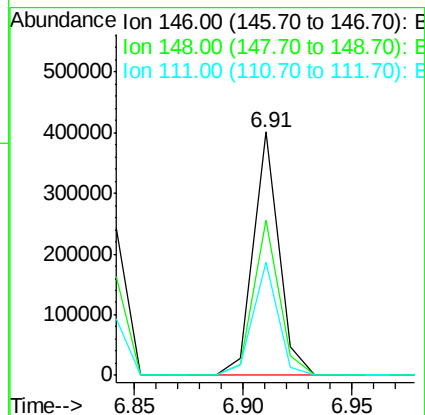
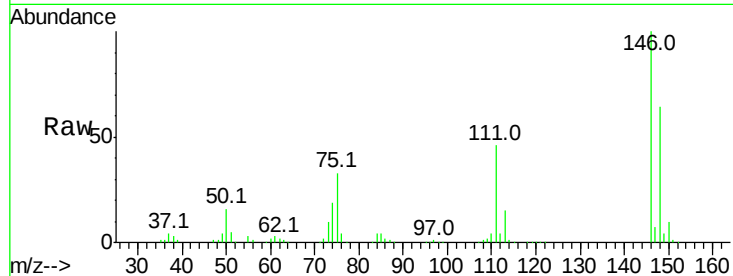
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	146	Resp:	326385
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.6	76.0
111	46.4	36.1	54.1

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 50.72 ng

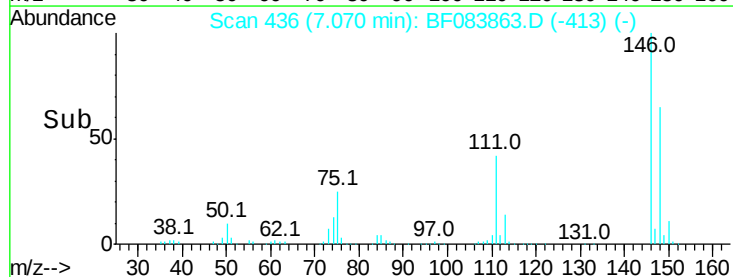
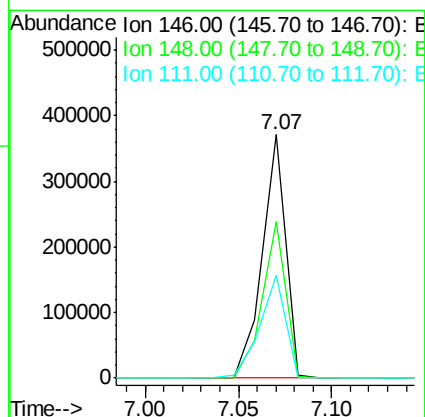
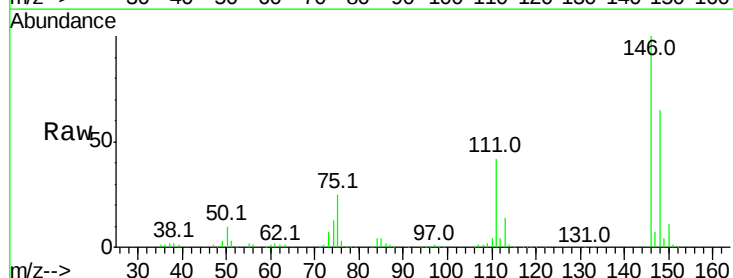
RT: 7.07 min Scan# 436

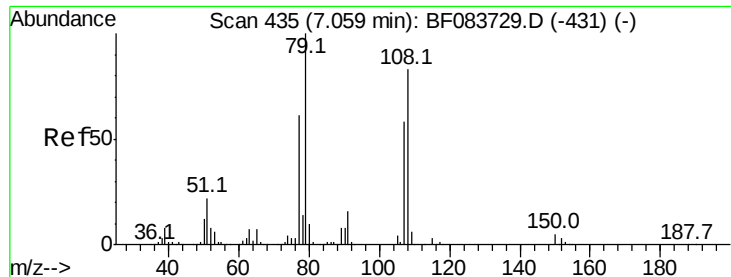
Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	146	Resp:	319446
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.4	77.0
111	42.5	36.7	55.1





#15

Benzyl Alcohol

Concen: 49.39 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

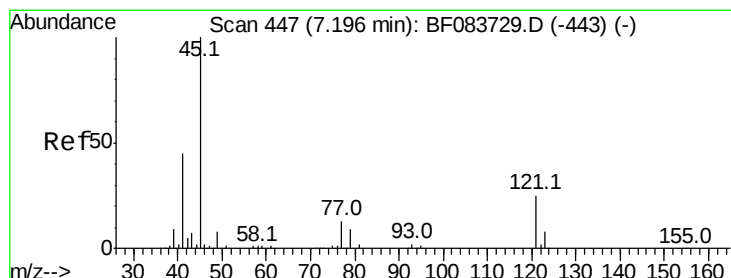
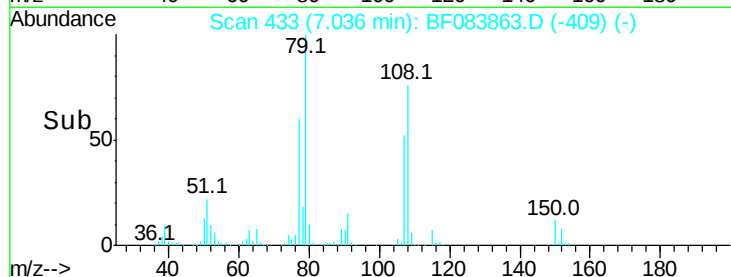
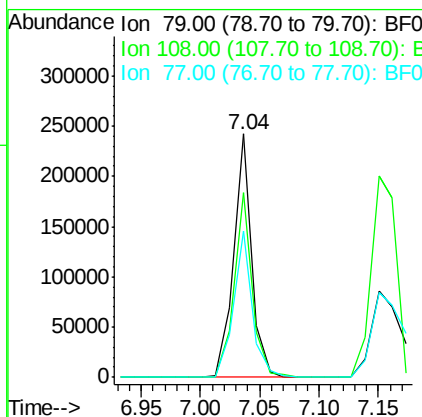
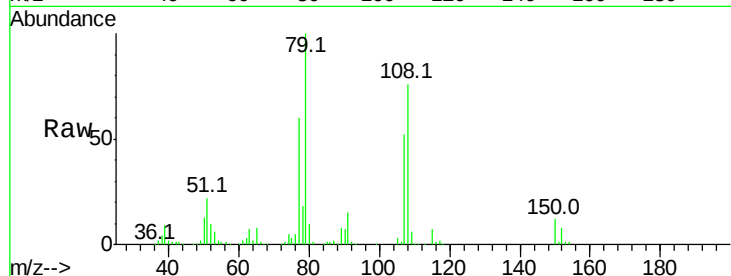
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	79	Resp:	255579
Ion Ratio	Lower	Upper	
79	100		
108	75.6	59.6	89.4
77	60.0	49.8	74.6

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.35 ng

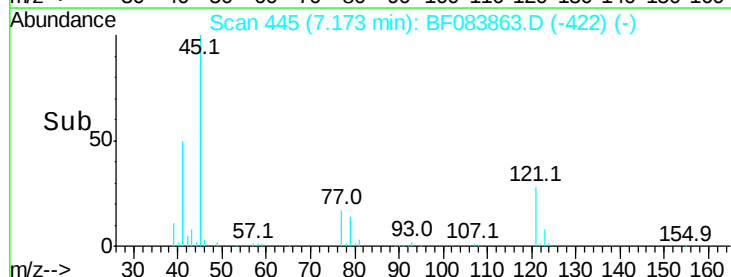
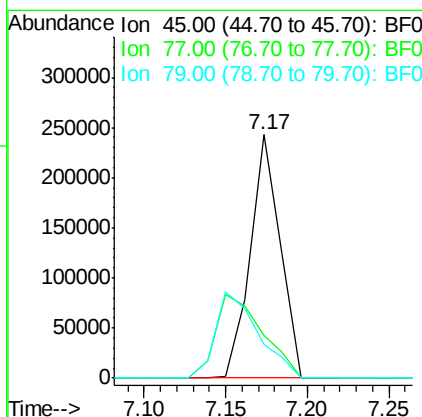
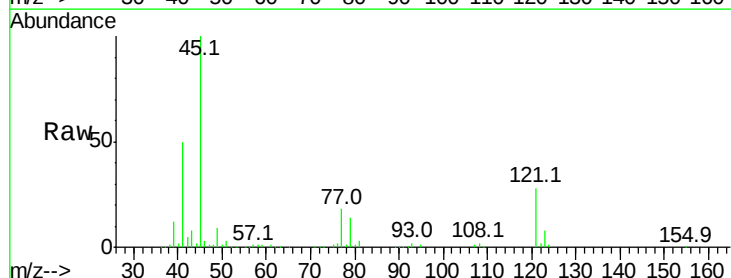
RT: 7.17 min Scan# 445

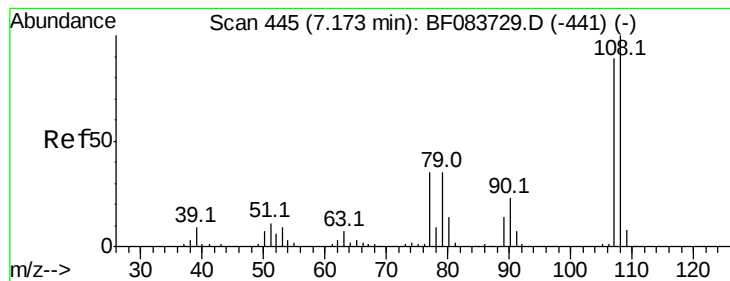
Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	45	Resp:	307575
Ion Ratio	Lower	Upper	
45	100		
77	17.7	12.8	52.8
79	13.7	10.7	50.7





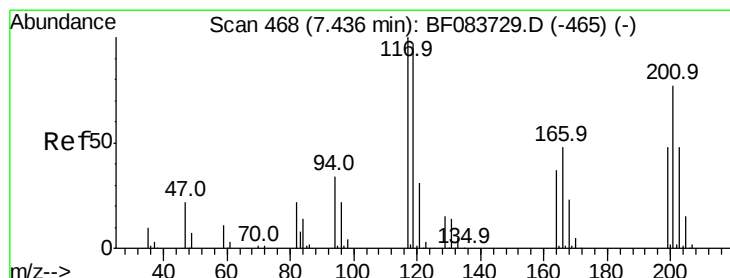
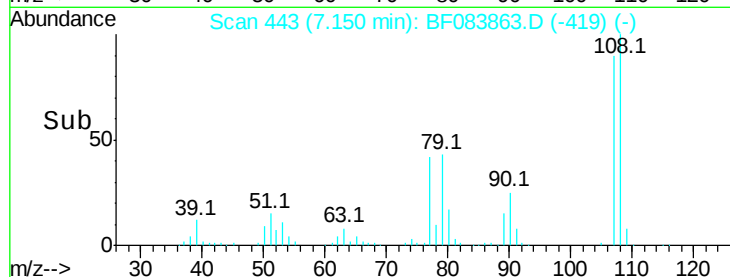
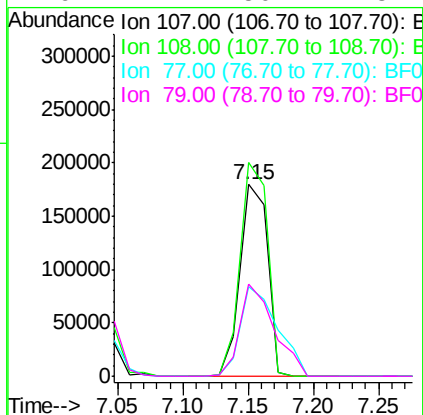
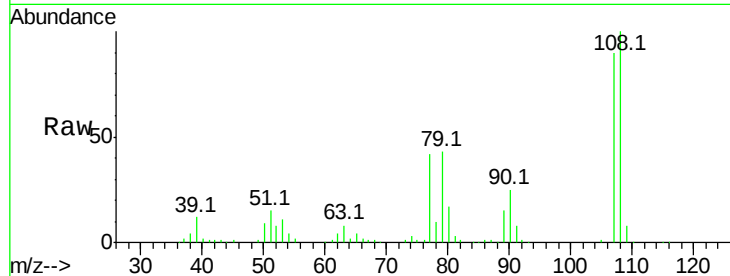
#17
2-Methylphenol
Concen: 50.07 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	263109		
108	111.3	91.6	137.4	
77	46.6	53.7	80.5#	
79	47.7	50.2	75.4#	

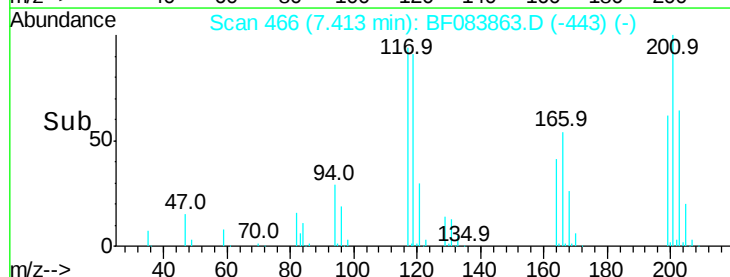
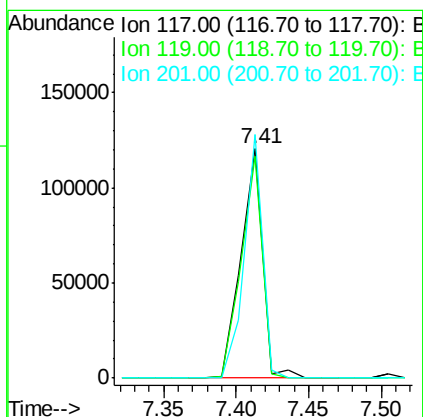
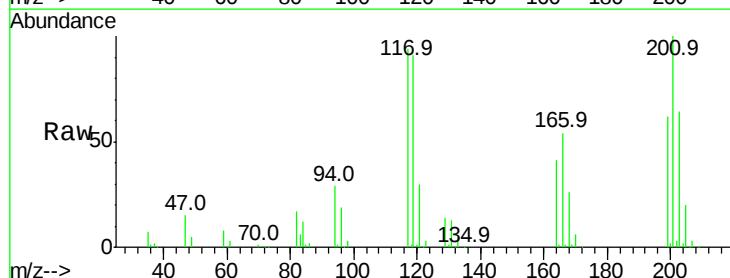
Manual Integrations
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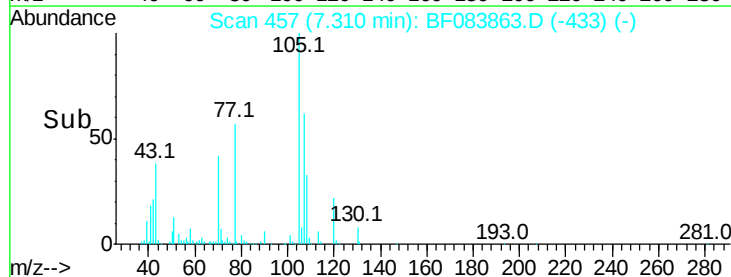
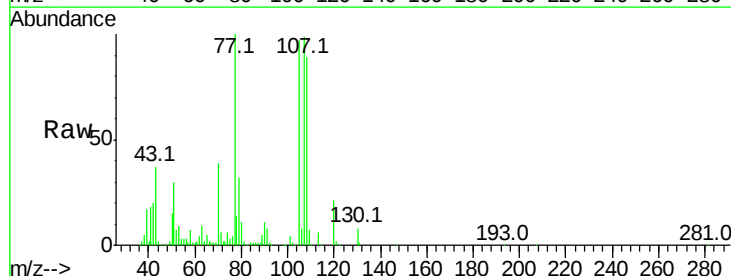
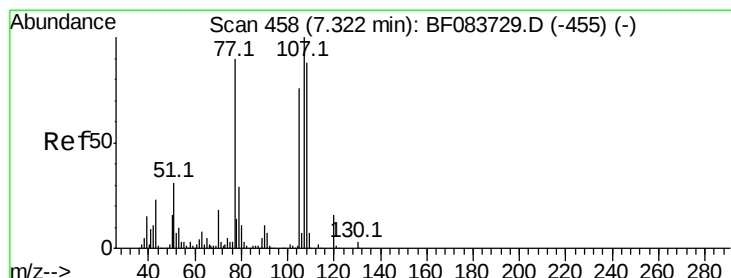
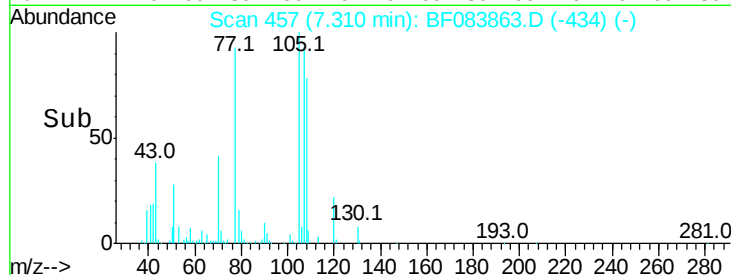
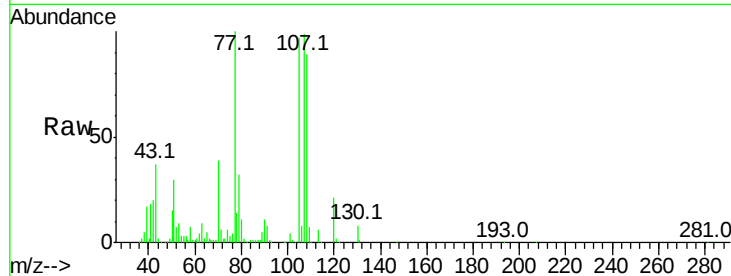
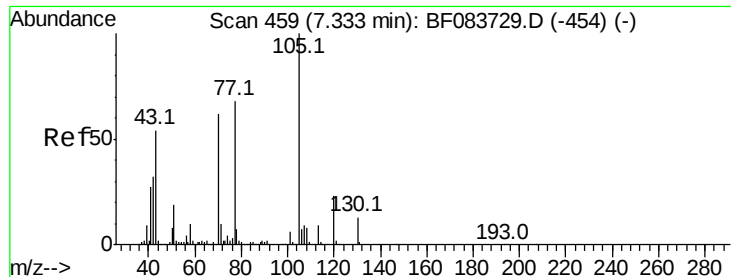
MMdadoda
12/17/2015 5:38:05 PM



#18
Hexachloroethane
Concen: 50.27 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

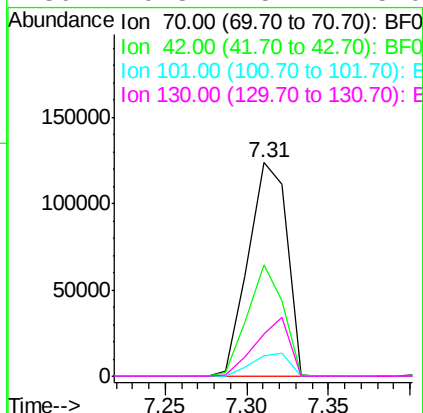
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125122		
119	96.8	77.2	115.8	
201	106.1	86.8	130.2	





#19
n-Nitroso-di-n-propylamine
Concen: 47.10 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.9	49.2	73.8
101	9.7	7.1	10.7
130	19.8	15.4	23.0



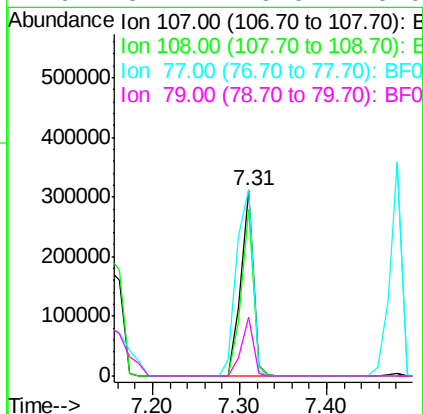
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

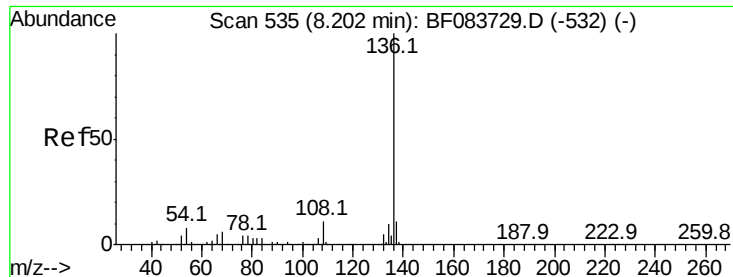
Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:38:05 PM

#20
3+4-Methylphenols
Concen: 49.46 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.9	65.2	105.2
77	100.8	15.2	55.2#
79	31.7	6.0	46.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

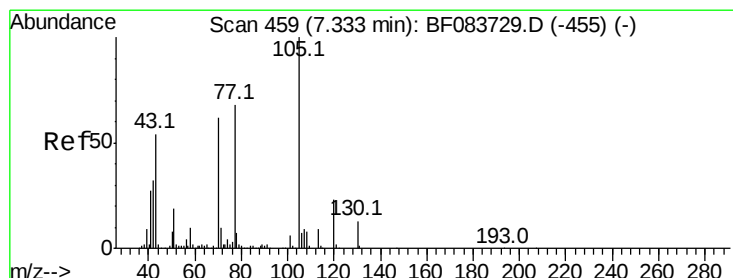
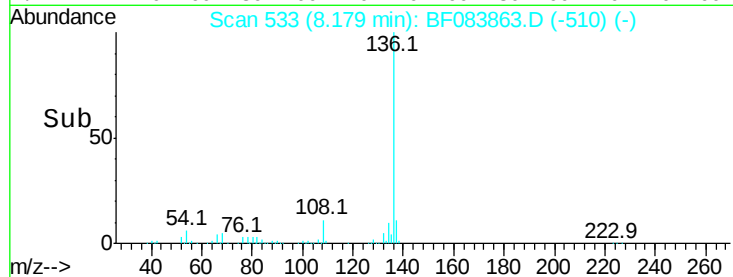
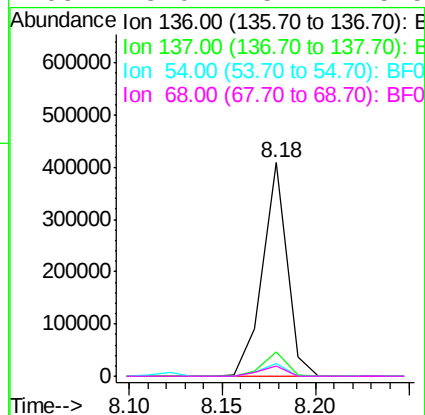
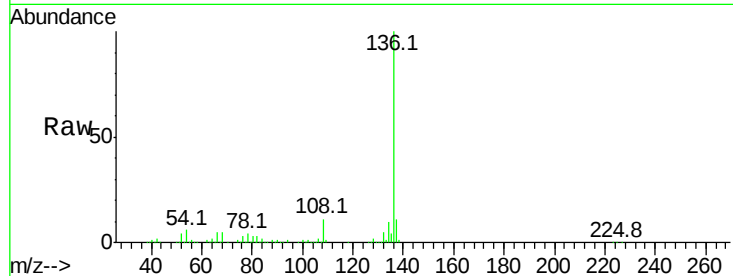
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	369096		
137	11.1	8.7	13.1	
54	6.1	7.8	11.6	
68	5.0	5.7	8.5	

Manual Integrations
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#22

Acetophenone

Concen: 45.52 ng

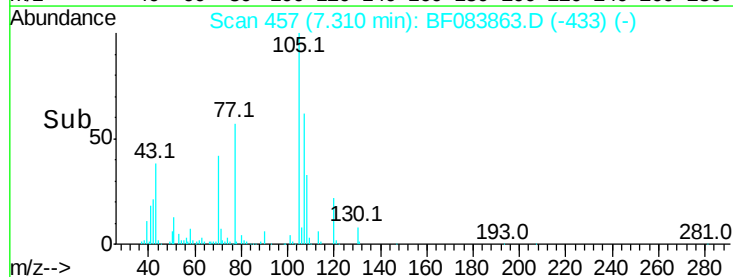
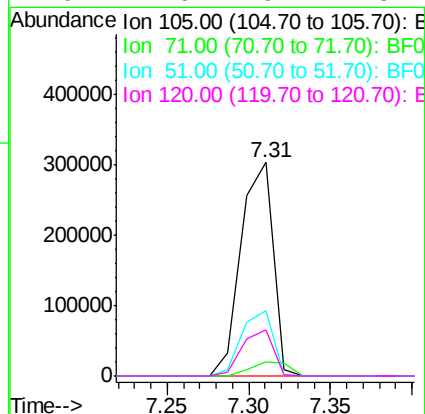
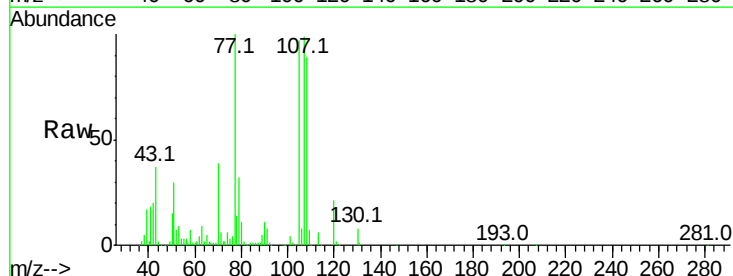
RT: 7.31 min Scan# 457

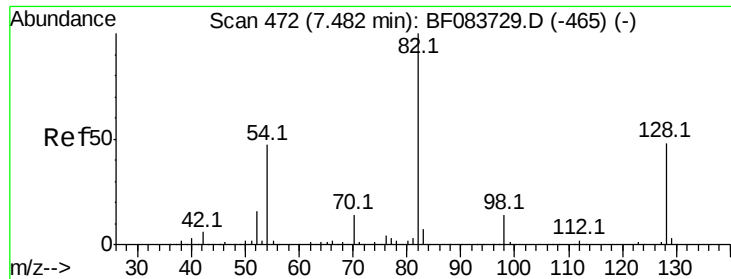
Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	412194		
71	6.5	1.3	1.9	
51	30.9	23.8	35.8	
120	21.6	16.7	25.1	





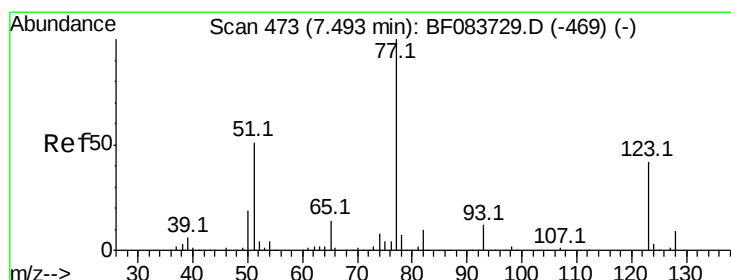
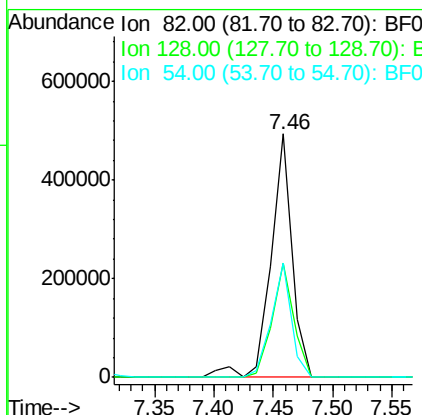
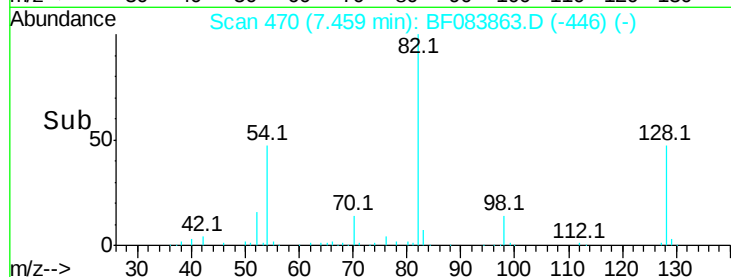
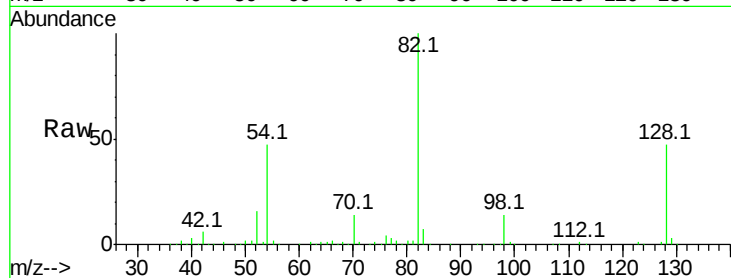
#23
Nitrobenzene-d5
Concen: 92.88 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	30.7	46.1#
54	46.9	42.5	63.7

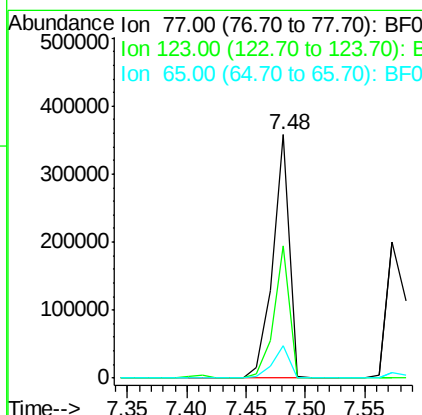
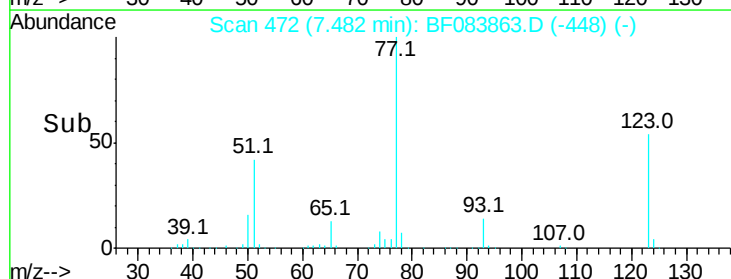
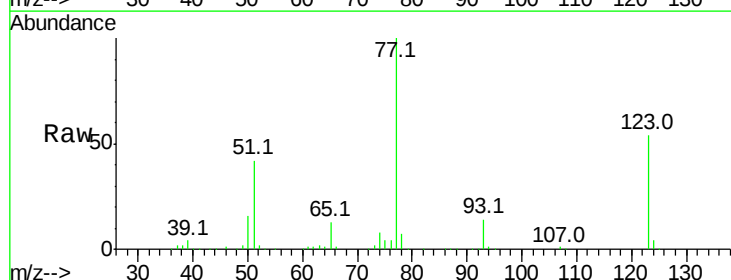
Manual Integrations
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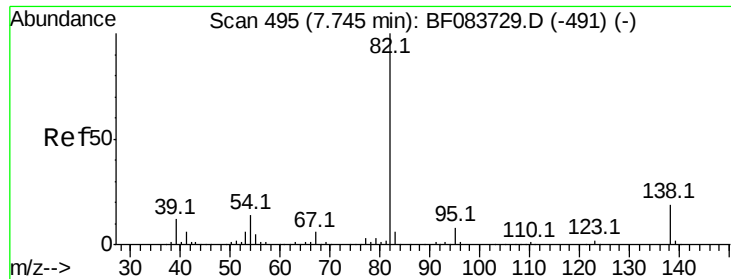
MMdadoda
12/17/2015 5:38:05 PM



#24
Nitrobenzene
Concen: 50.47 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	54.1	29.8	44.6#
65	13.3	11.1	16.7





#25

Isophorone

Concen: 45.31 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion: 82 Resp: 586490

Ion Ratio Lower Upper

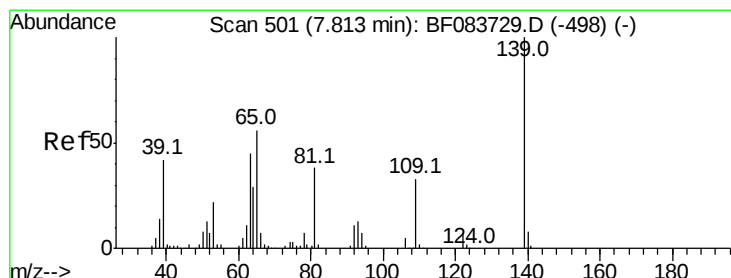
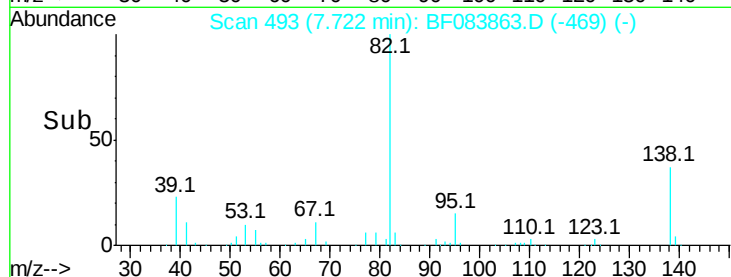
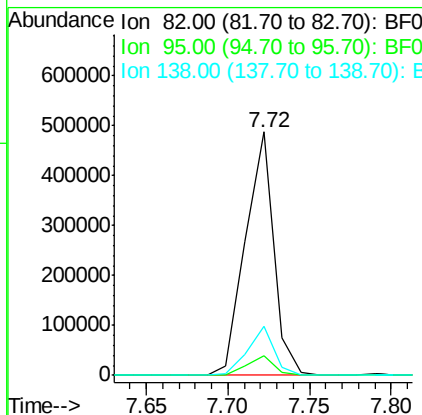
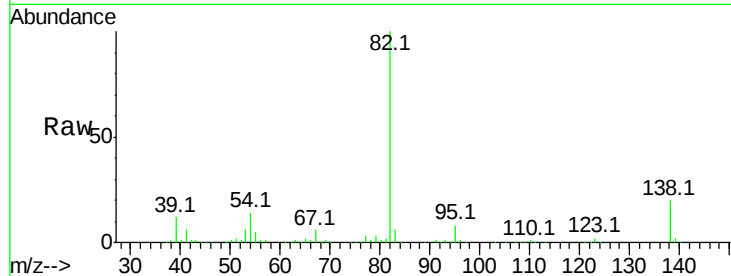
82 100

95 8.1 5.0 7.4#

138 20.1 12.1 18.1#

Manual Integrations
APPROVED

MMdadoda
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#26

2-Nitrophenol

Concen: 48.02 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

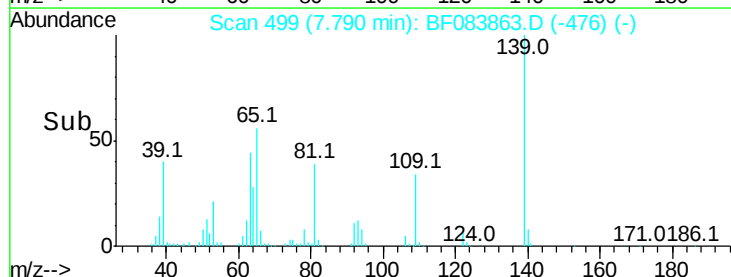
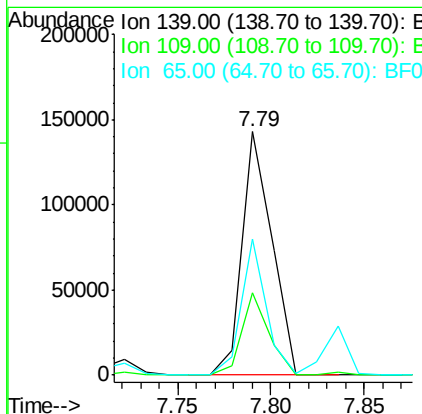
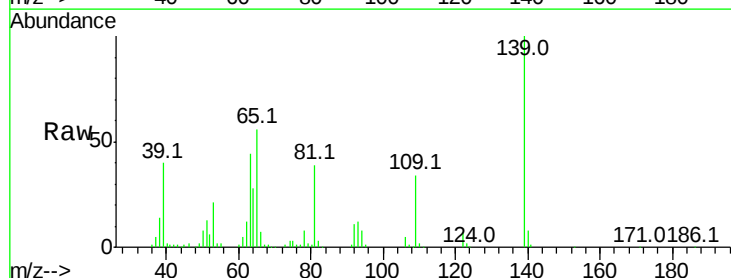
Tgt Ion: 139 Resp: 158408

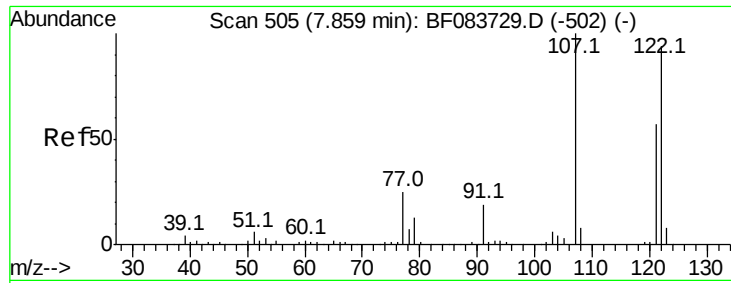
Ion Ratio Lower Upper

139 100

109 33.8 22.7 34.1

65 55.8 51.8 77.8





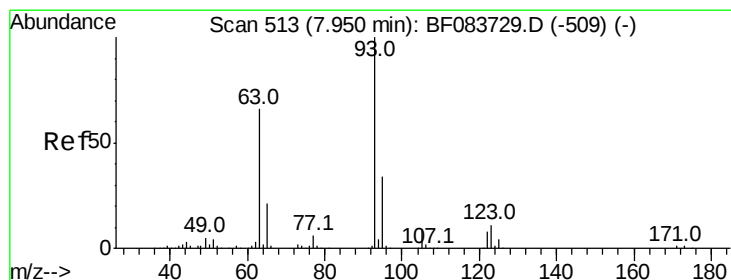
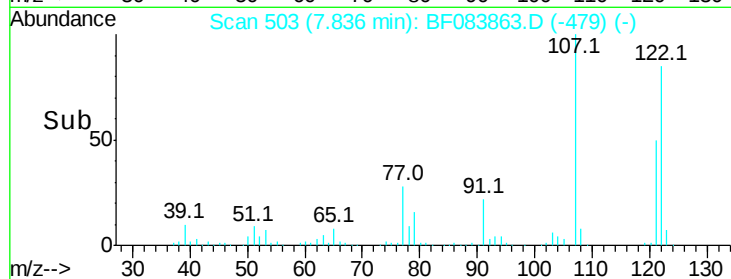
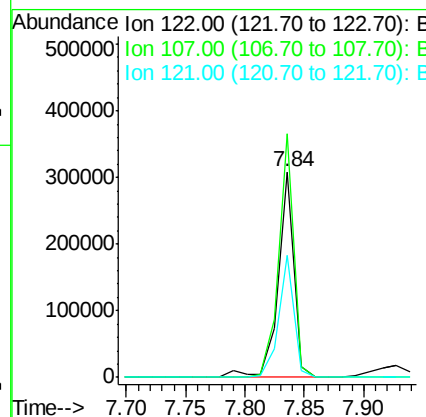
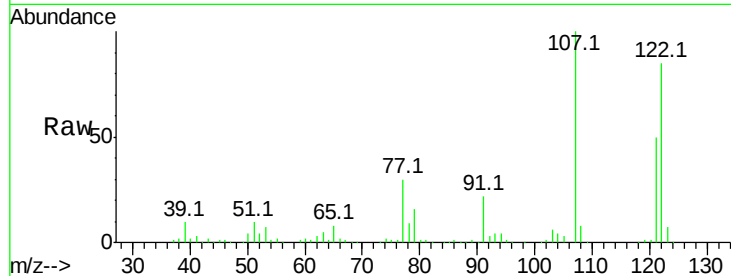
#27
 2,4-Dimethylphenol
 Concen: 44.48 ng
 RT: 7.84 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	288313		
107	118.3	92.4	138.6	
121	59.6	45.8	68.6	

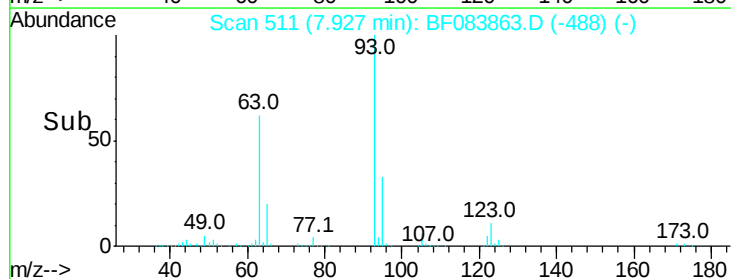
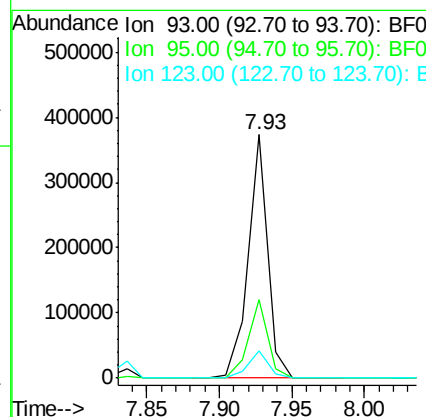
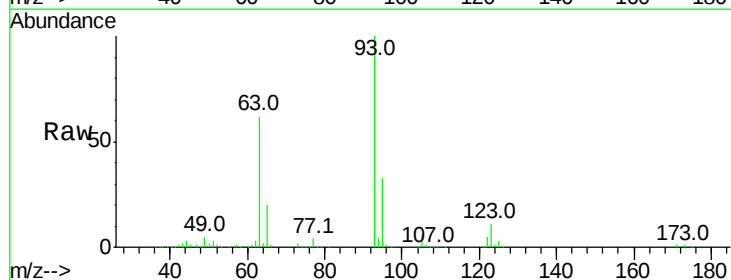
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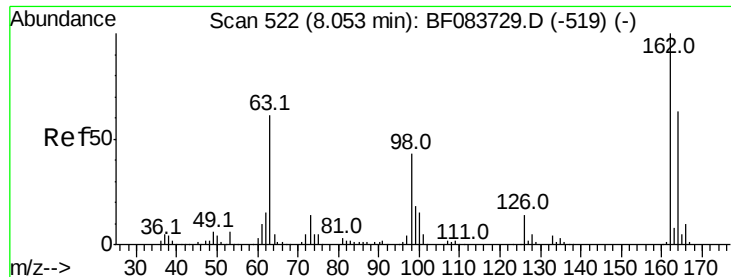
MMdadoda
 12/17/2015 5:38:05 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.99 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	347076		
95	32.5	25.6	38.4	
123	11.1	7.3	10.9#	





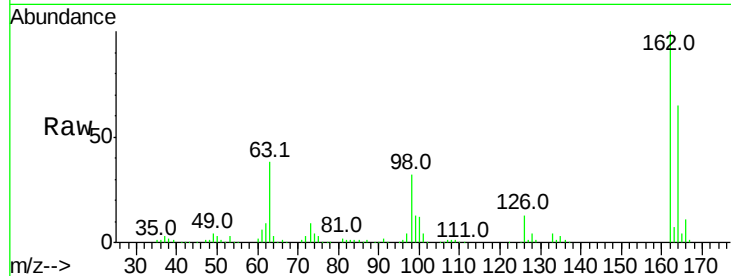
#29
 2,4-Dichlorophenol
 Concen: 52.05 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

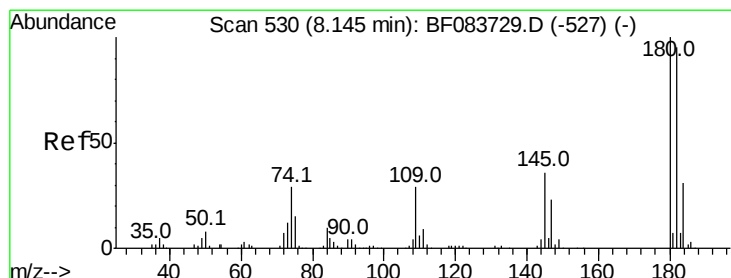
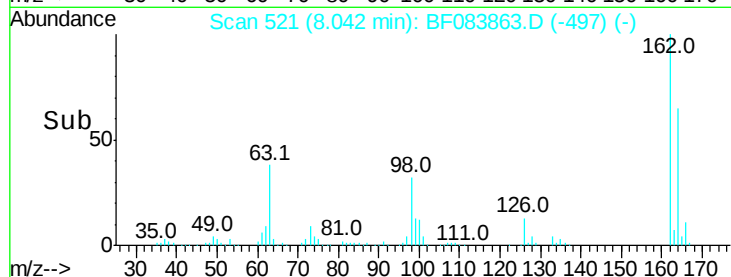
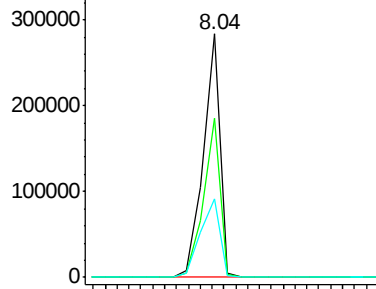
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.2	43.4	83.4
98	32.5	17.5	57.5

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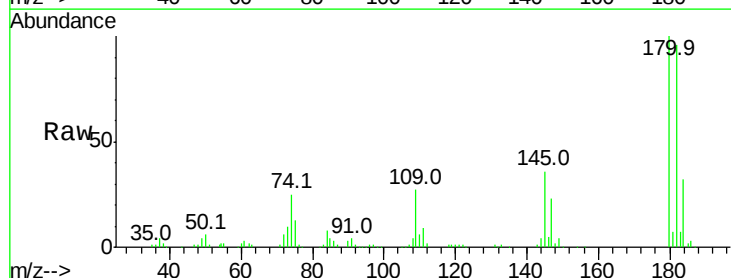


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

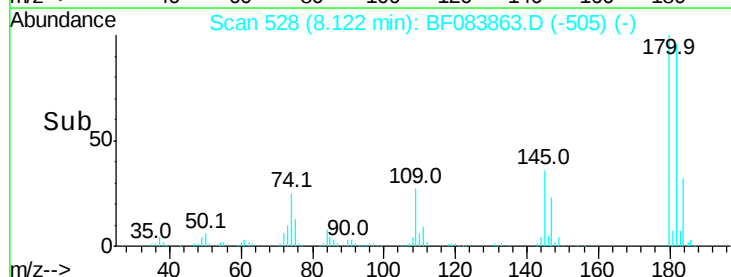
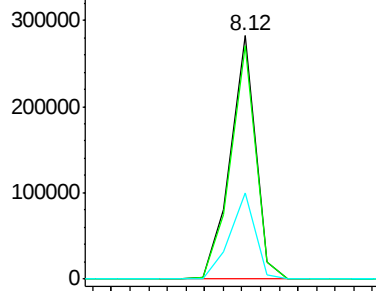


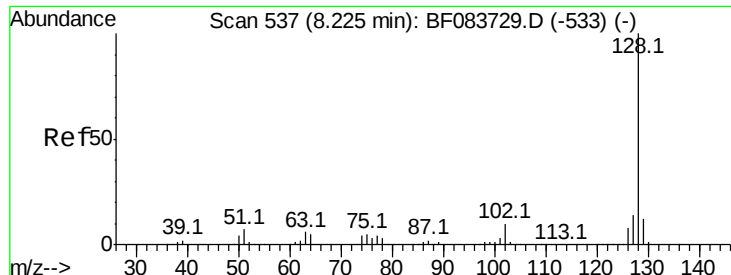
#30
 1,2,4-Trichlorobenzene
 Concen: 47.75 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	74.9	112.3
145	35.5	24.7	37.1



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





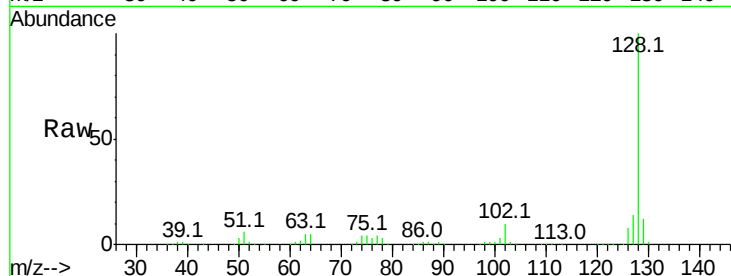
#31
Naphthalene
Concen: 47.30 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

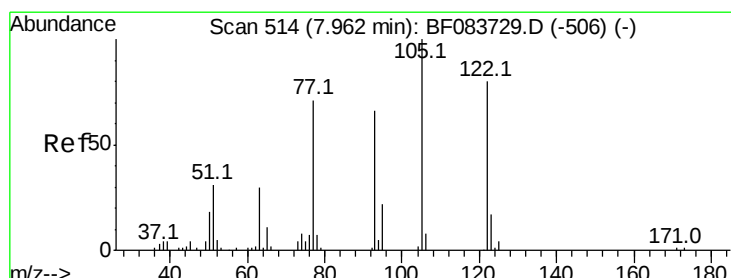
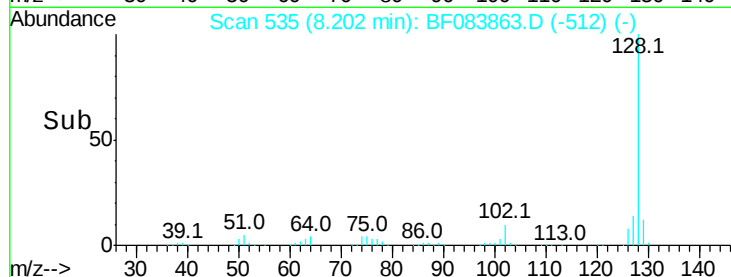
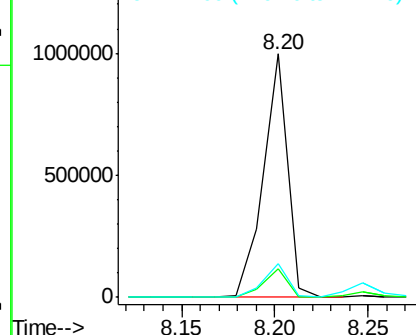
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	8.6	13.0	
127	13.7	10.6	16.0	

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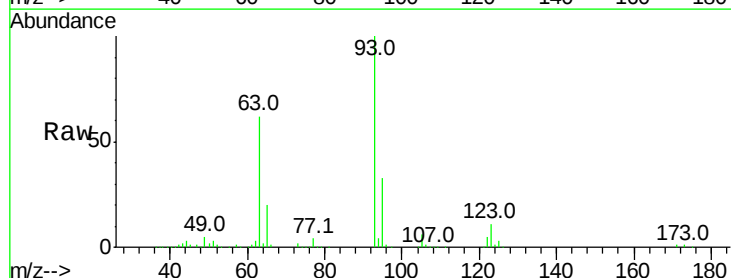


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

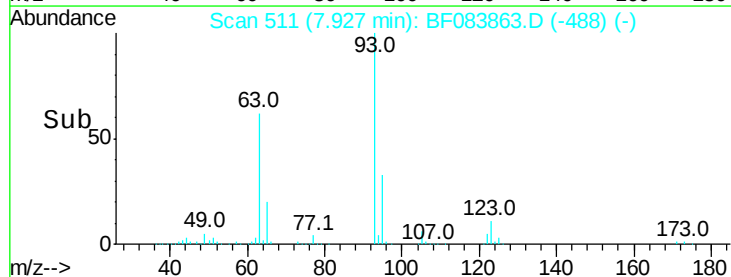
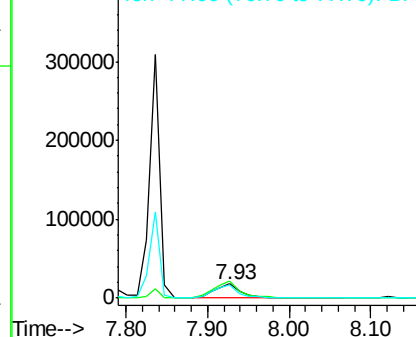


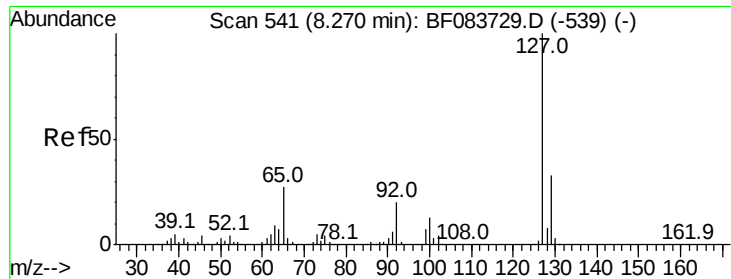
#32
Benzoic acid
Concen: 10.64 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	123.3	105.6	145.6	
77	89.5	86.8	126.8	



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





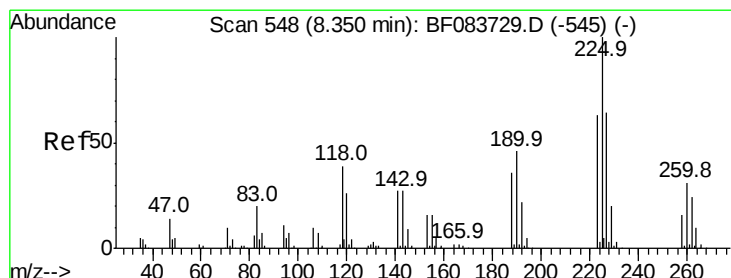
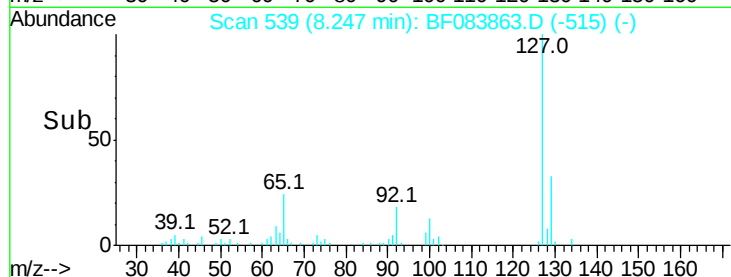
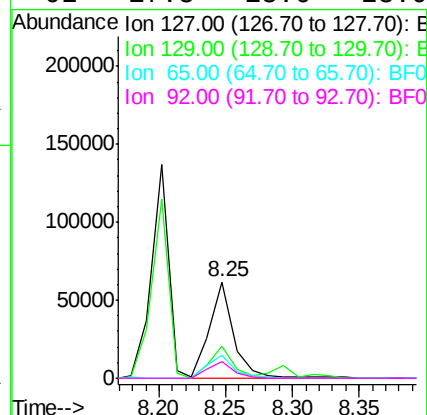
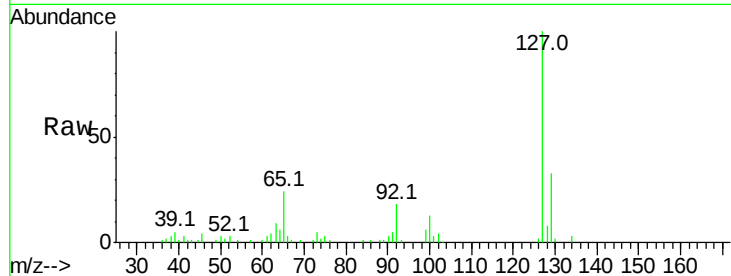
#33
 4-Chloroaniline
 Concen: 10.04 ng/mL
 RT: 8.25 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	26.1	39.1		
65	24.4	33.5	50.3		
92	17.8	18.6	28.0		

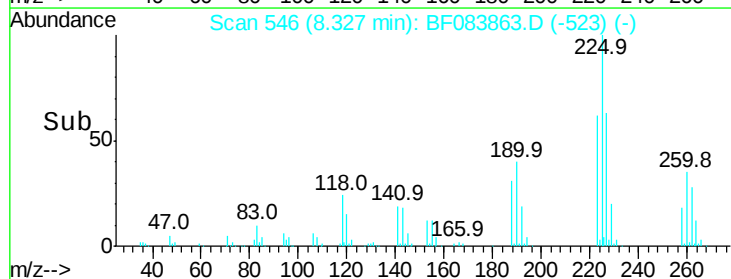
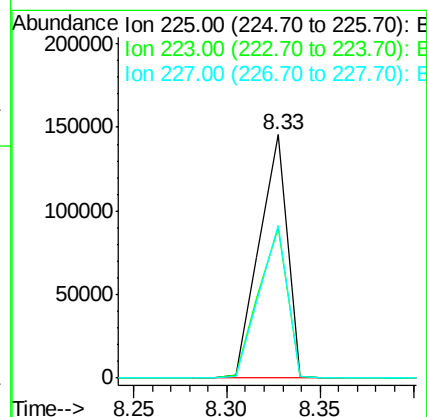
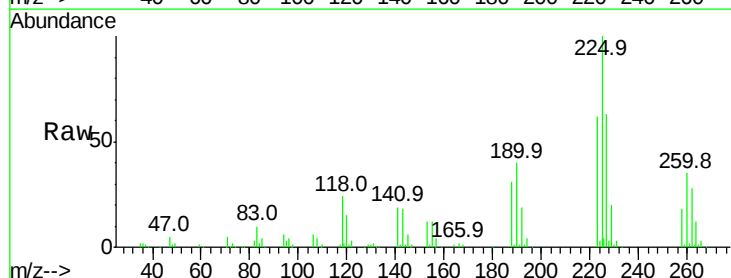
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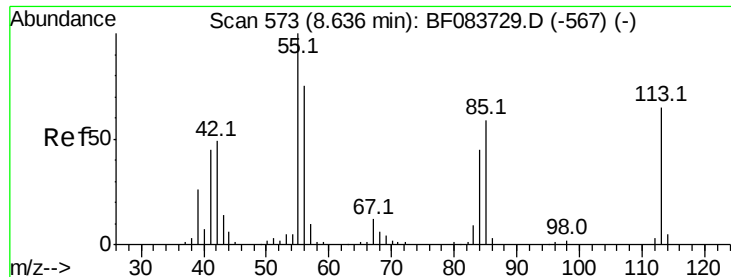
MMdadoda
 12/17/2015 5:38:05 PM



#34
 Hexachlorobutadiene
 Concen: 50.05 ng/mL
 RT: 8.33 min Scan# 546
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.7	52.3	78.5		
227	63.0	50.4	75.6		





#35

Caprolactam

Concen: 49.05 ng/mL

RT: 8.61 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion: 113 Resp: 83815

Ion Ratio Lower Upper

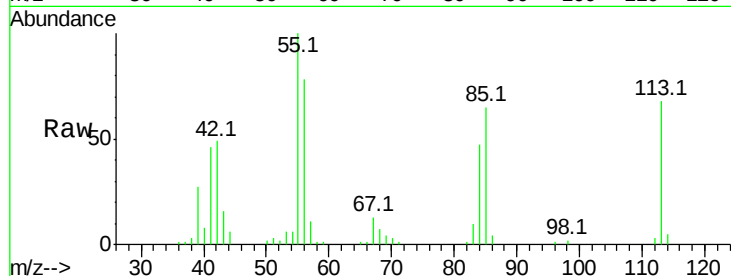
113 100

55 147.0 189.7 229.7#

56 114.2 130.7 170.7#

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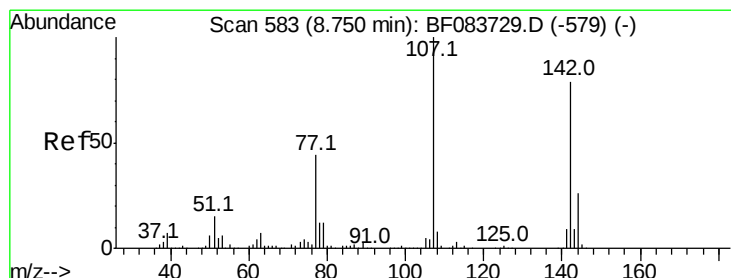
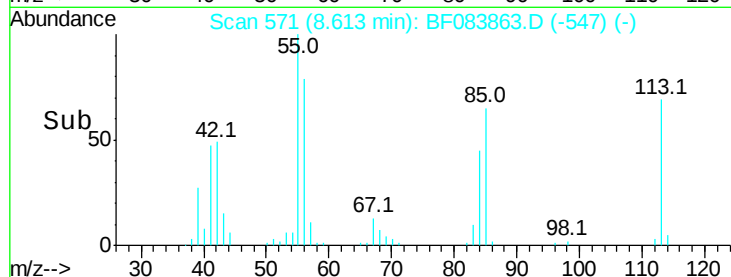
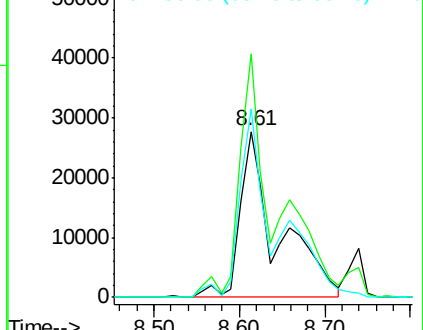
MMdadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 47.44 ng/mL

RT: 8.74 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

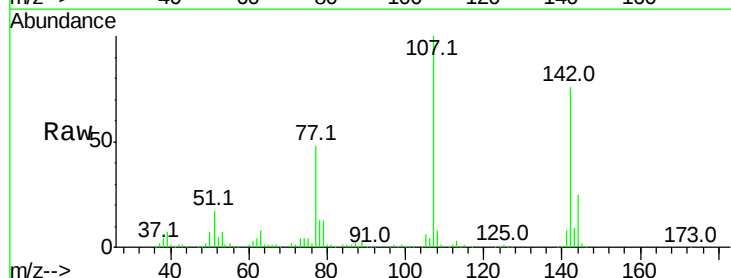
Tgt Ion: 107 Resp: 295292

Ion Ratio Lower Upper

107 100

144 24.7 17.5 26.3

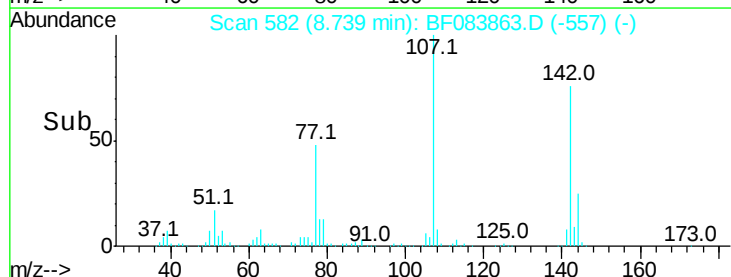
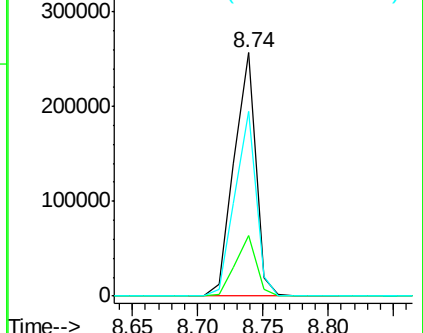
142 75.8 53.6 80.4

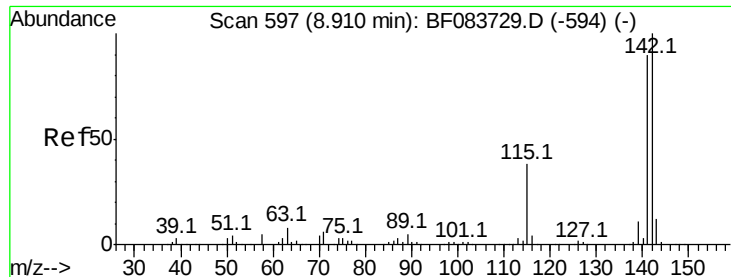


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





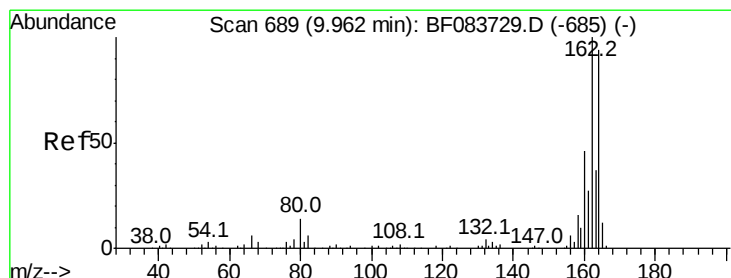
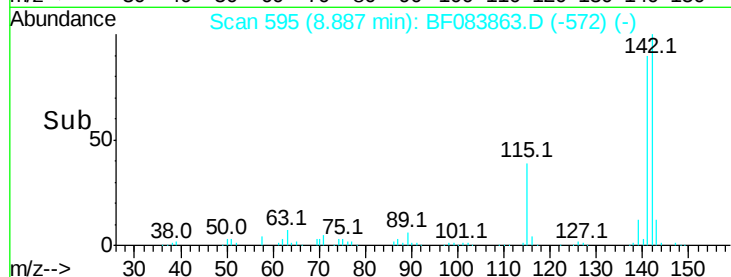
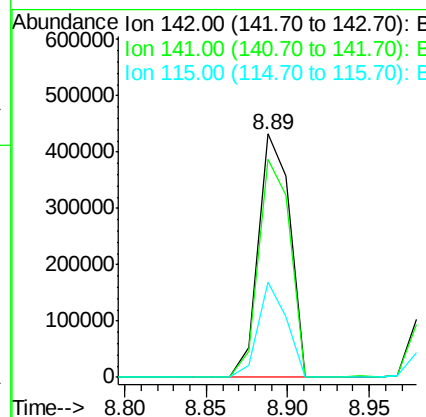
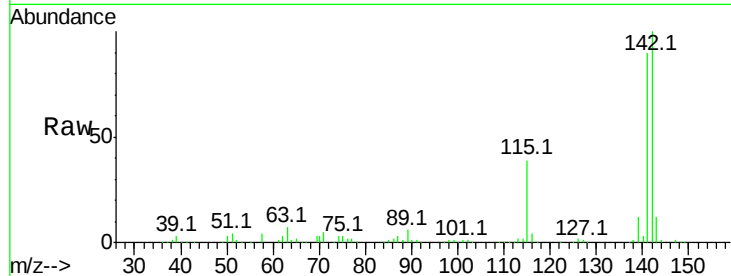
#37
2-Methylnaphthalene
Concen: 47.97 ng
RT: 8.89 min Scan# 595
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	579384		
141	89.7	70.3	105.5	
115	38.8	29.2	43.8	

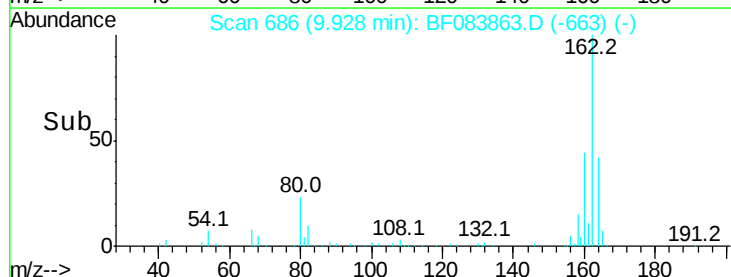
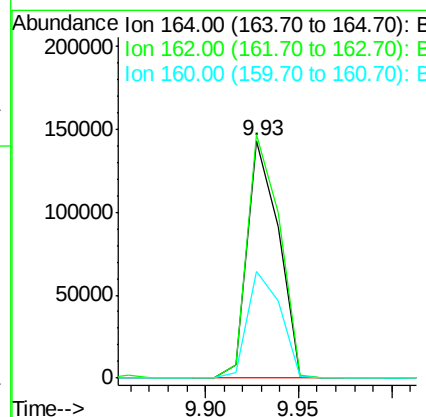
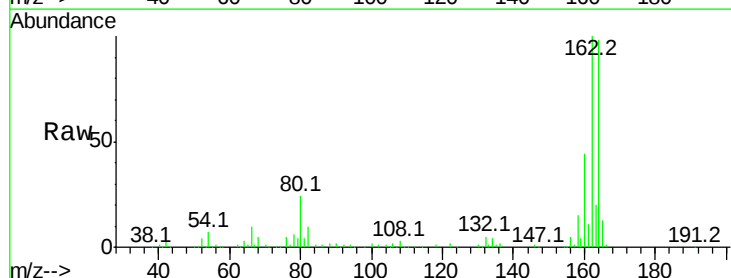
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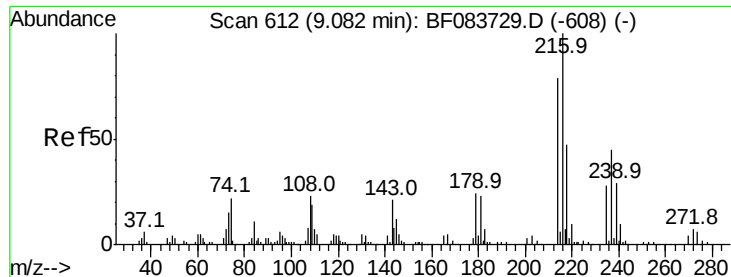
MMdadoda
12/17/2015 5:38:05 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166868		
162	102.4	78.8	118.2	
160	45.0	33.4	50.2	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.29 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:216 Resp: 232773
Ion Ratio Lower Upper

216 100

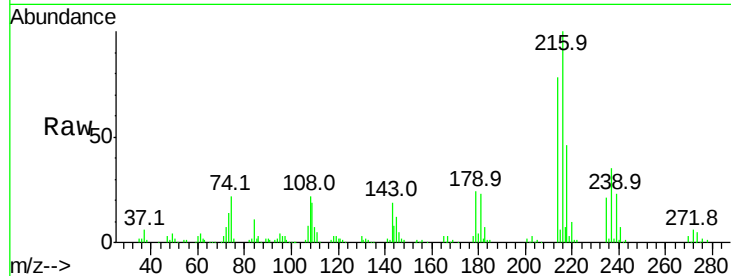
214 78.1 0.0 0.0#

179 23.0 0.0 0.0#

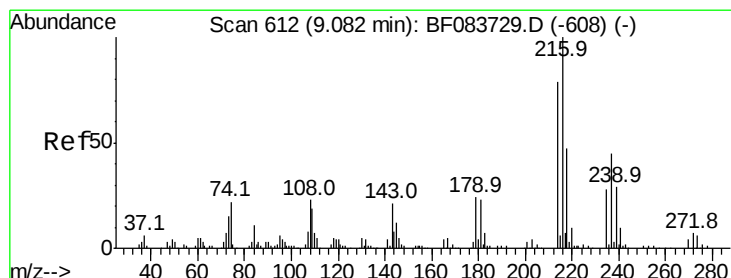
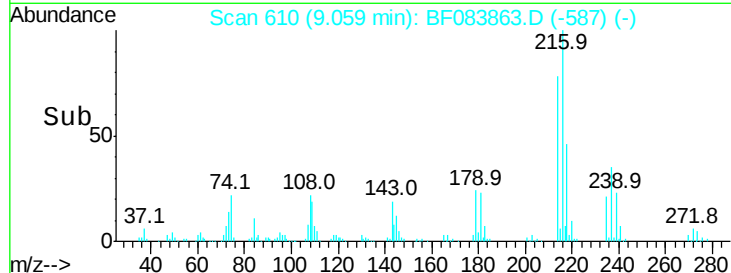
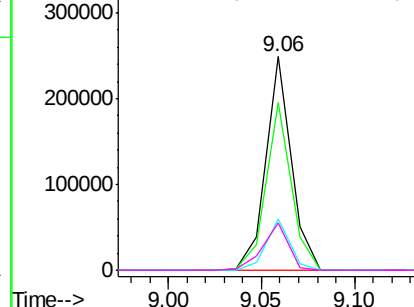
108 22.5 0.0 0.0#

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



#40

Hexachlorocyclopentadiene

Concen: 68.94 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.03 min

Lab File: BF083863.D

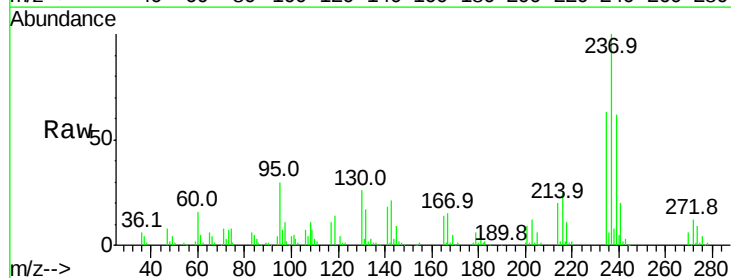
Acq: 16 Dec 2015 22:12

Tgt Ion:237 Resp: 171959
Ion Ratio Lower Upper

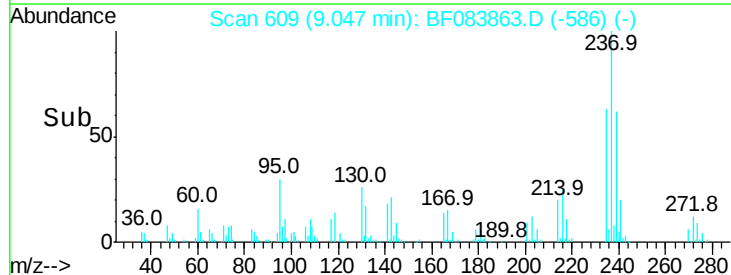
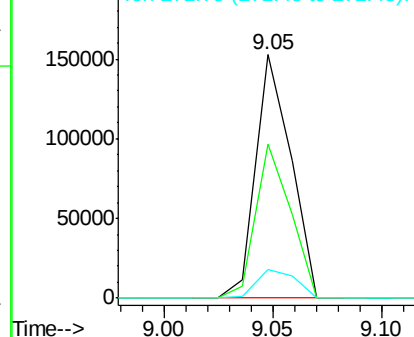
237 100

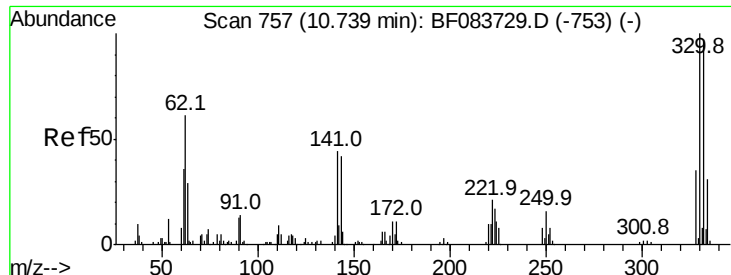
235 63.5 43.9 83.9

272 11.5 0.0 31.8



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





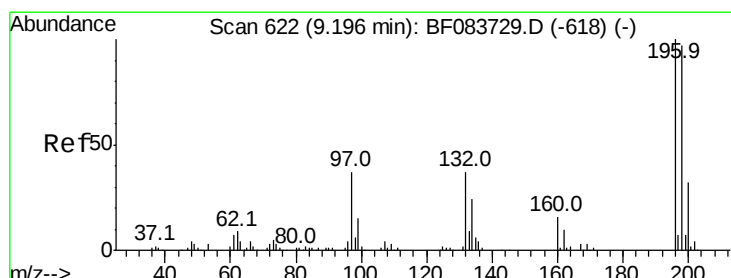
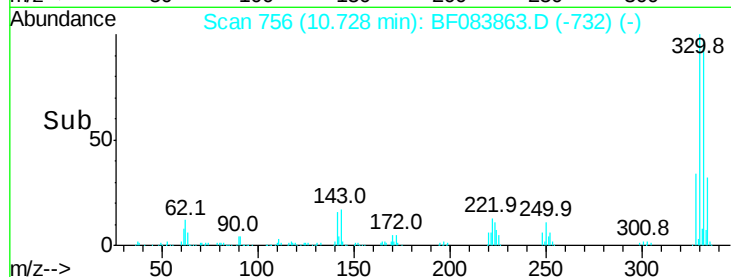
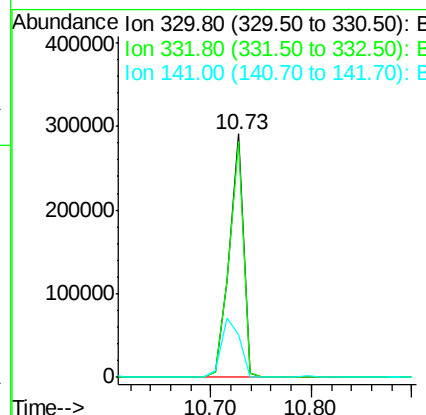
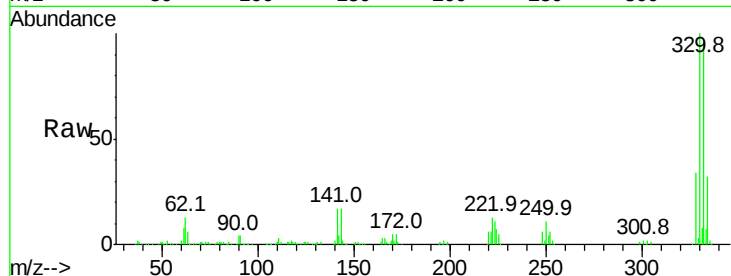
#41
 2,4,6-Tribromophenol
 Concen: 170.38 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	0.0	0.0	0.0
141	31.0	0.0	0.0	0.0

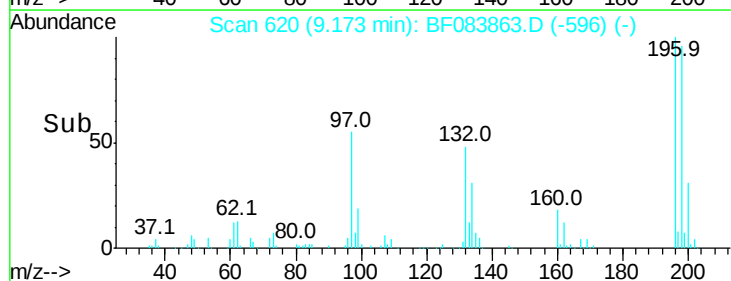
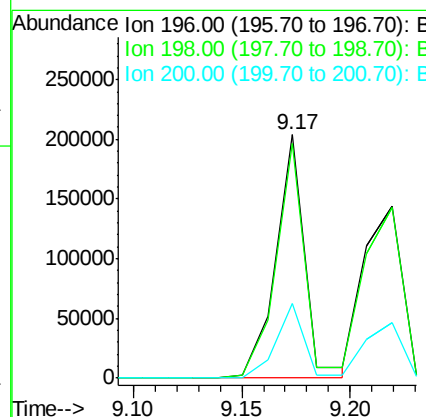
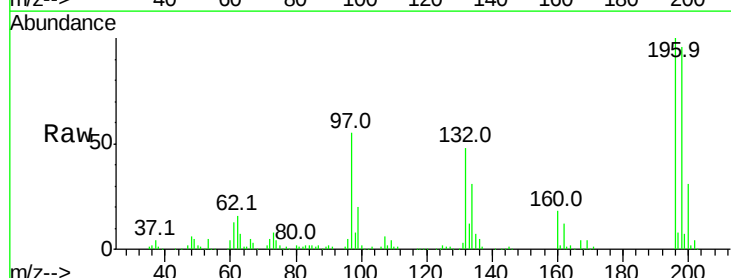
Manual Integrations
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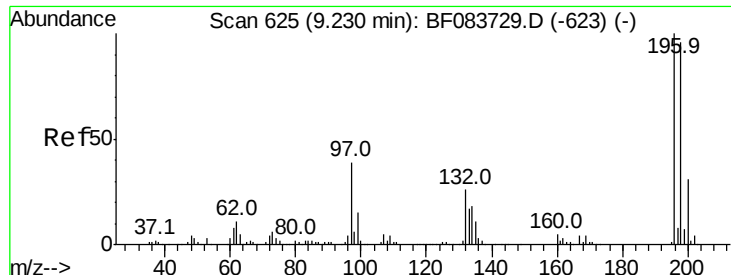
MMdadoda
 12/17/2015 5:38:05 PM



#42
 2,4,6-Trichlorophenol
 Concen: 52.52 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

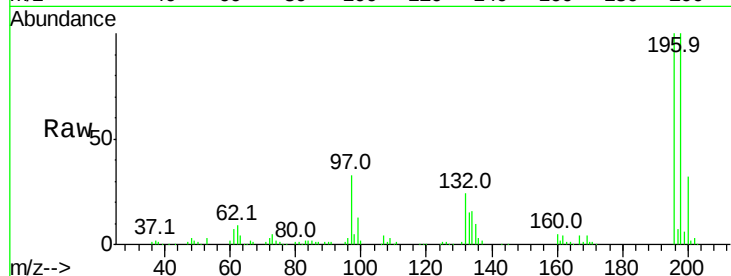
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.4	75.2	112.8	
200	30.7	23.0	34.6	





#43
 2,4,5-Trichlorophenol
 Concen: 52.35 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

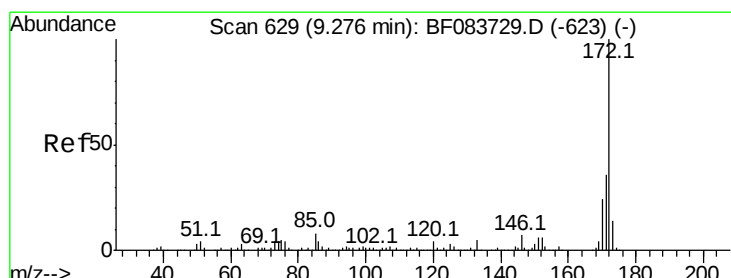
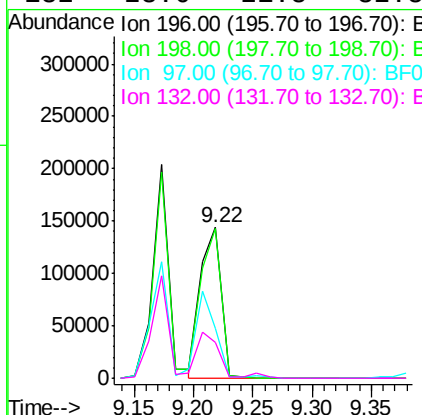
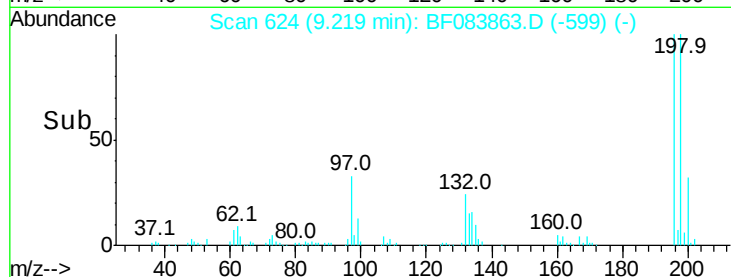
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD



Tot Ion	Ratio	Resp	Lower	Upper
196	100	178916		
198	99.5	77.7	116.5	
97	33.4	41.2	61.8	
132	23.6	21.8	32.8	

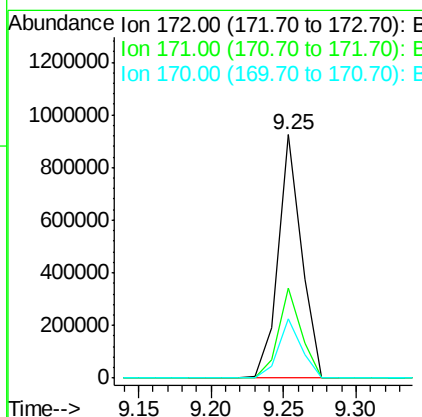
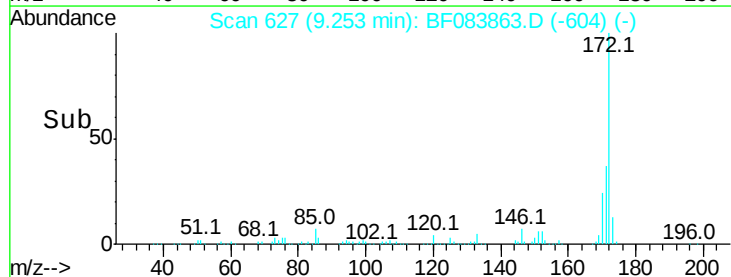
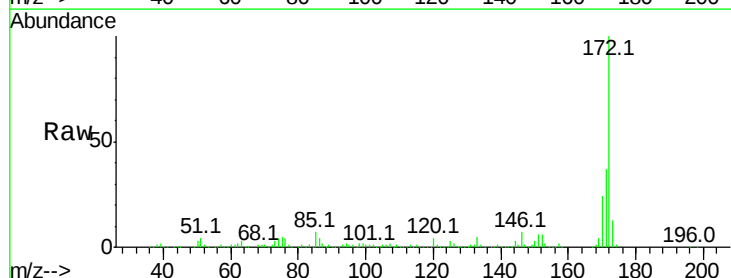
Manual Integrations
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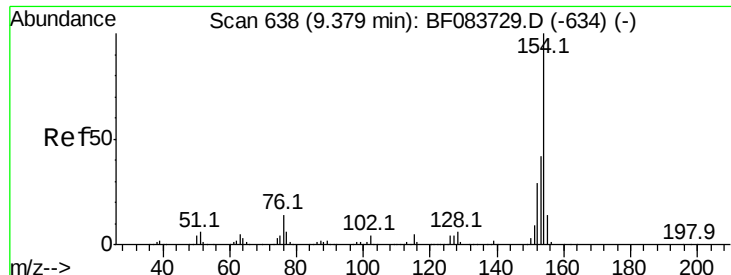
MMdadoda
 12/17/2015 5:38:05 PM



#44
 2-Fluorobiphenyl
 Concen: 93.05 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1028809		
171	36.8	28.6	42.8	
170	24.2	19.4	29.0	





#45

1,1'-Biphenyl

Concen: 46.64 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

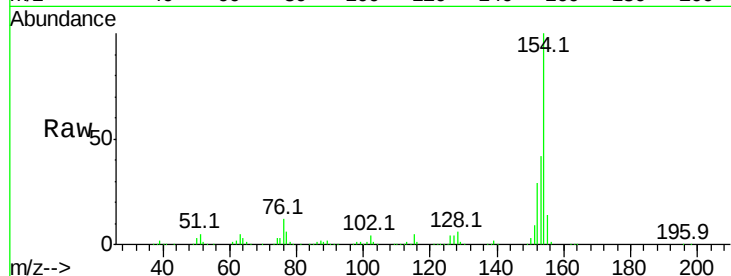
ClientSampleId :

COMPOSITE-C-20150874MSD

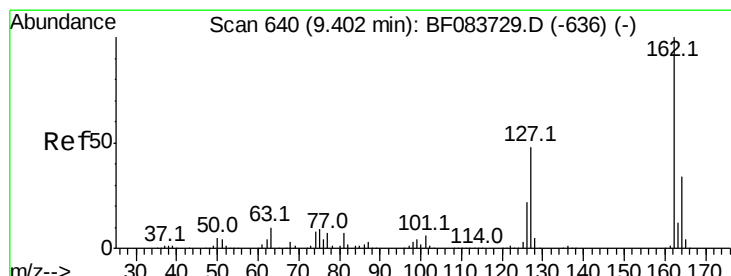
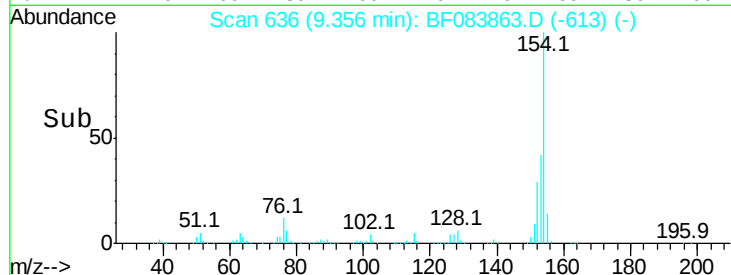
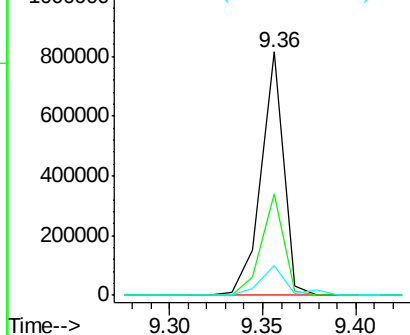
Tot Ion:	154	Resp:	689747
Ion Ratio	Lower	Upper	
154	100		
153	41.9	20.2	60.2
76	12.3	0.0	34.8

Manual Integrations
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MMdadoda
12/17/2015 5:38:05 PM



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: 47.00 ng

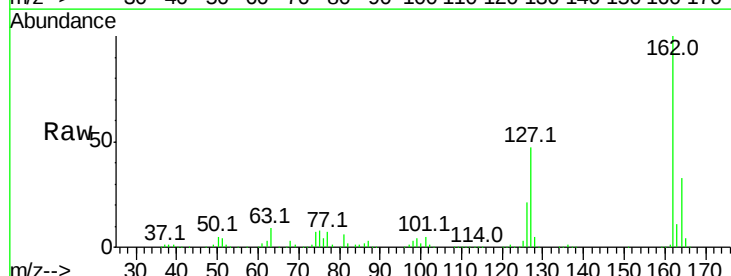
RT: 9.38 min Scan# 638

Delta R.T. -0.03 min

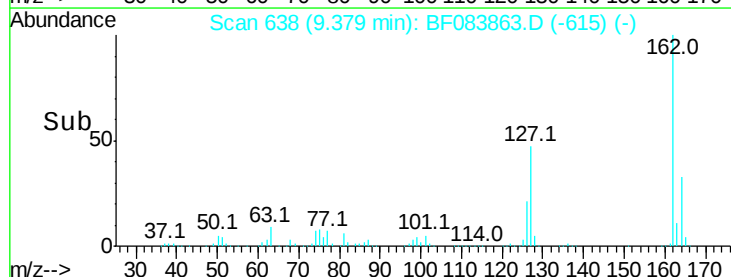
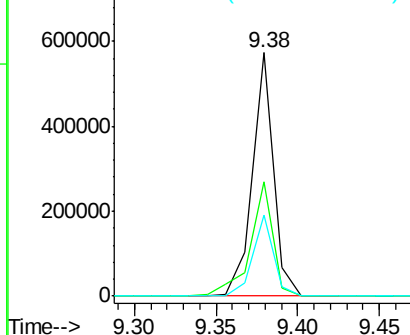
Lab File: BF083863.D

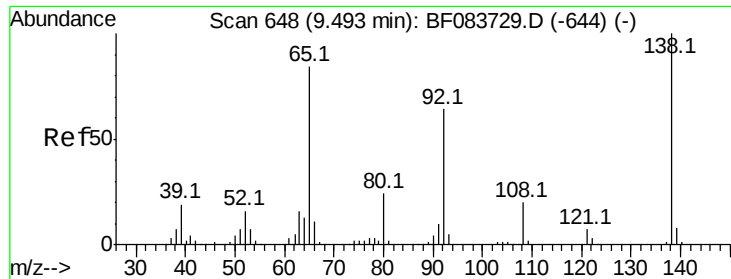
Acq: 16 Dec 2015 22:12

Tgt Ion:	162	Resp:	513076
Ion Ratio	Lower	Upper	
162	100		
127	47.1	31.0	46.4#
164	33.3	27.4	41.0



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





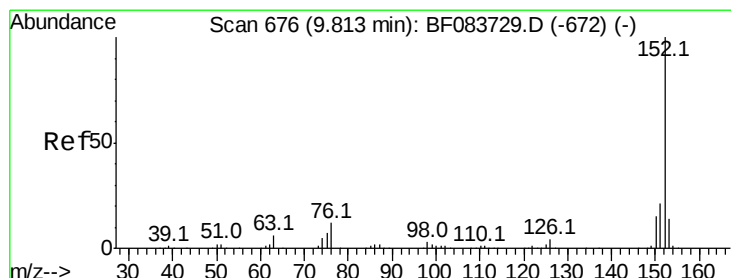
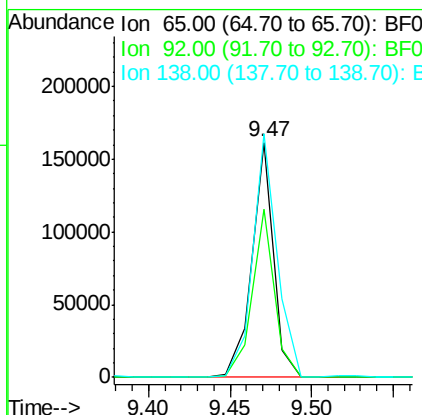
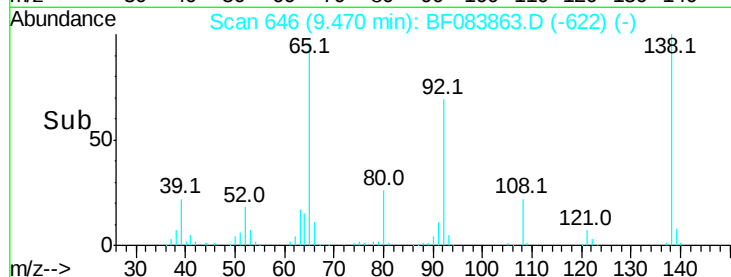
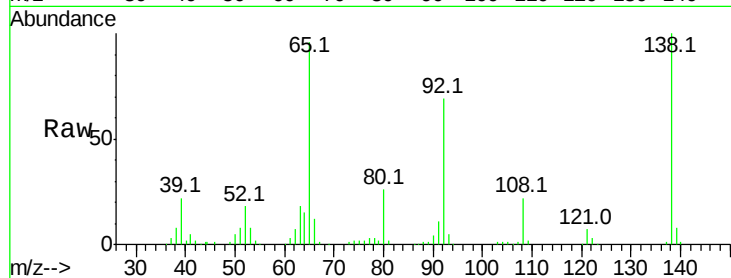
#47
 2-Nitroaniline
 Concen: 47.97 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion:	65	Resp:	148506
Ion Ratio	Lower	Upper	
65	100		
92	71.7	49.6	74.4
138	103.6	64.1	96.1

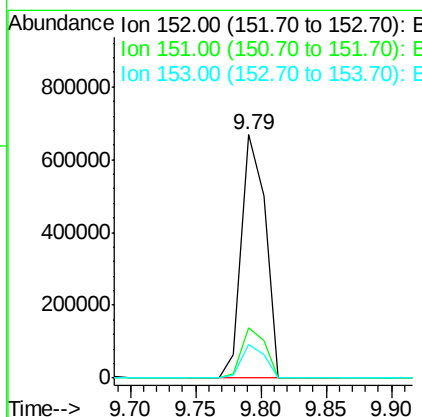
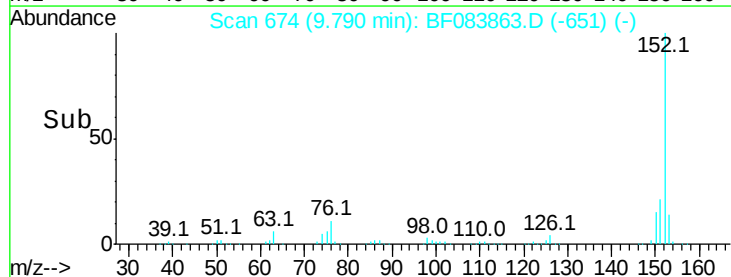
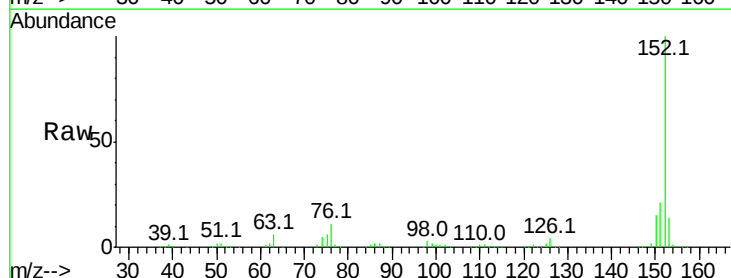
Manual Integrations
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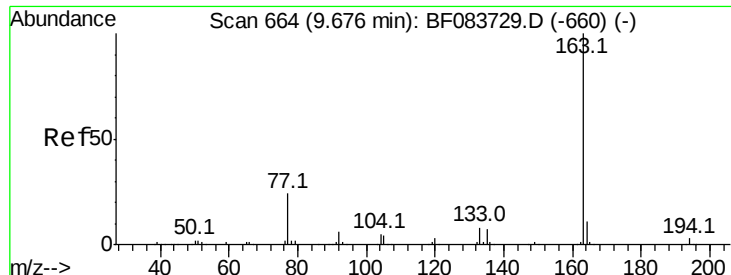
MMdadoda
 12/17/2015 5:38:05 PM



#48
 Acenaphthylene
 Concen: 46.22 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion:	152	Resp:	848893
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	13.7	10.8	16.2





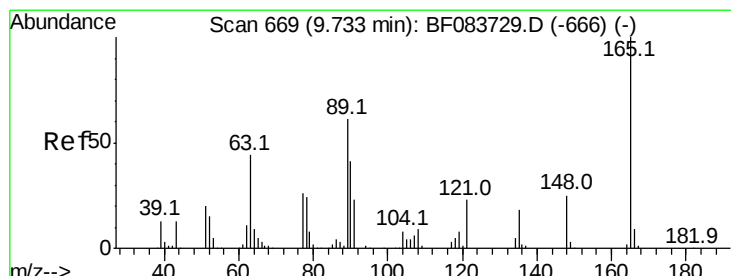
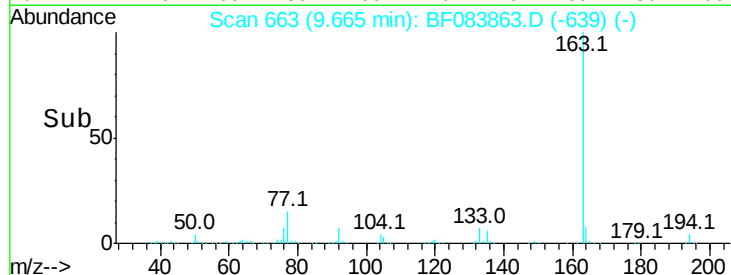
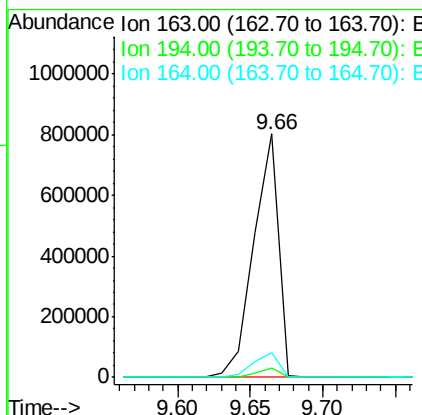
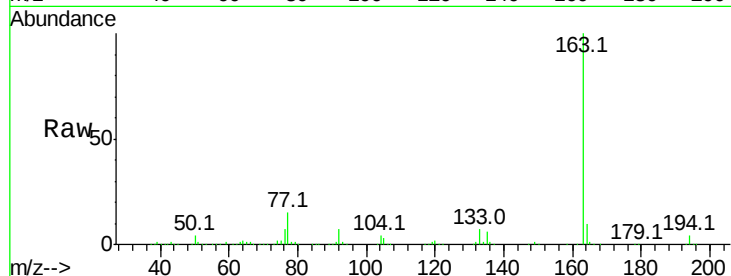
#49
Dimethylphthalate
Concen: 73.01 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.8	4.2	
164	10.3	8.6	13.0	

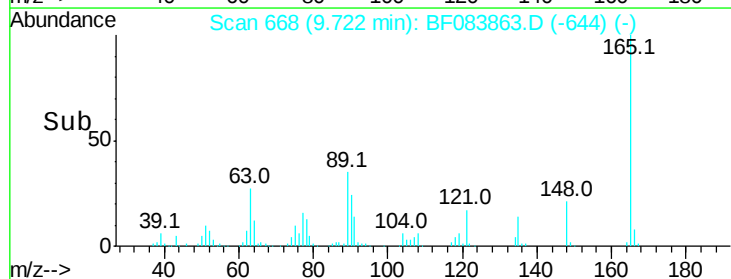
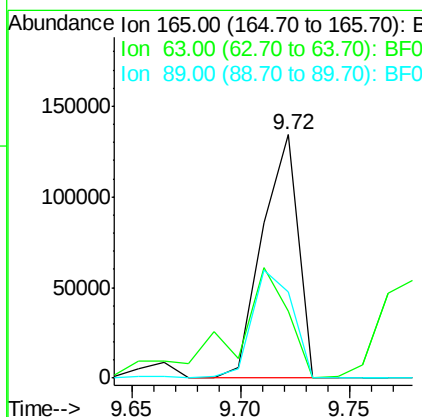
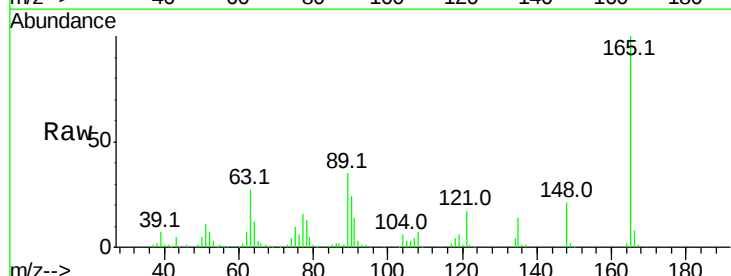
Manual Integrations
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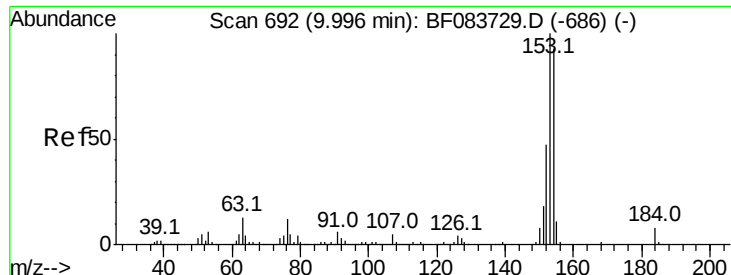
MMdadoda
12/17/2015 5:38:05 PM



#50
2,6-Dinitrotoluene
Concen: 56.29 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	27.5	56.9	85.3#	
89	35.2	52.1	78.1#	





#51

Acenaphthene

Concen: 48.04 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:154 Resp: 533399

Ion Ratio Lower Upper

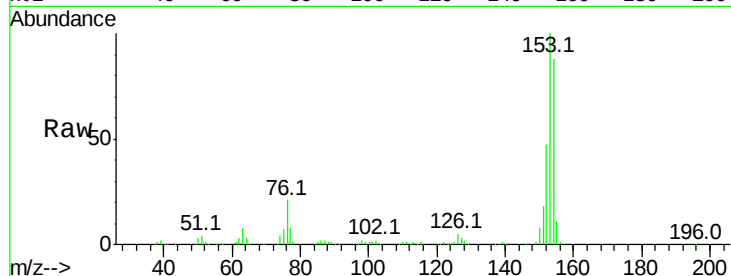
154 100

153 114.2 91.4 137.0

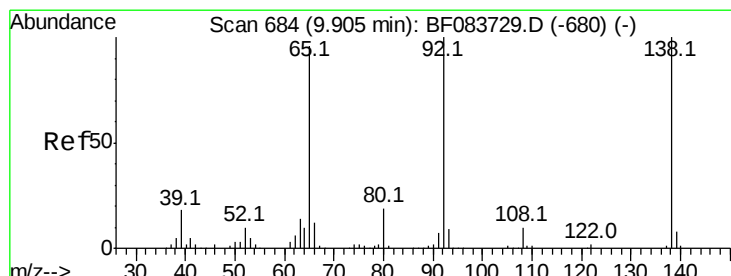
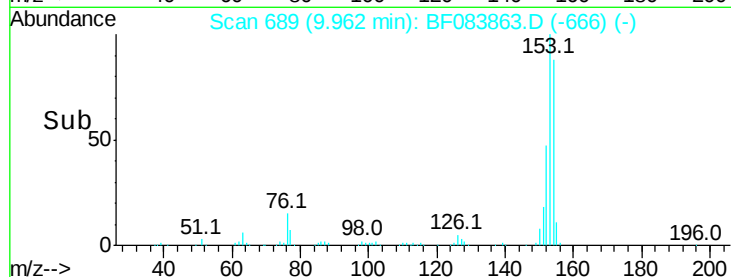
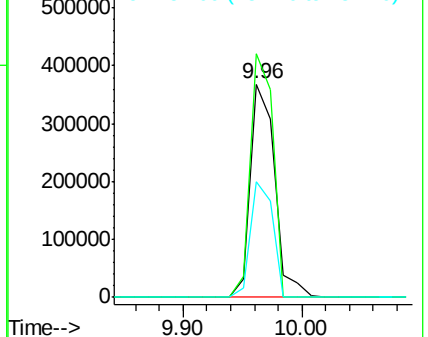
152 54.1 43.4 65.2

Manual Integrations
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MMdadoda
12/17/2015 5:38:05 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.18 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

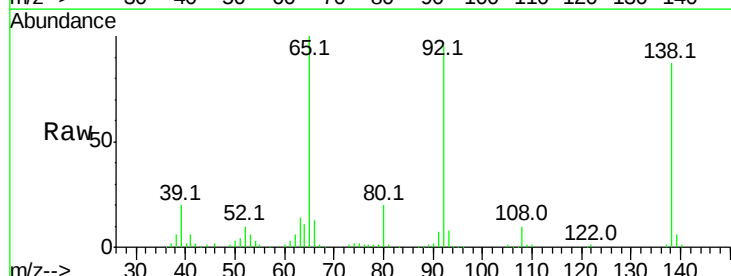
Tgt Ion:138 Resp: 96071

Ion Ratio Lower Upper

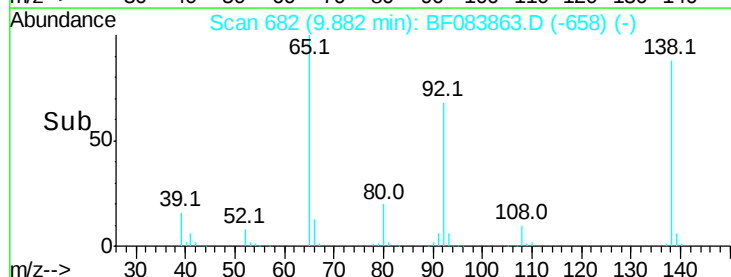
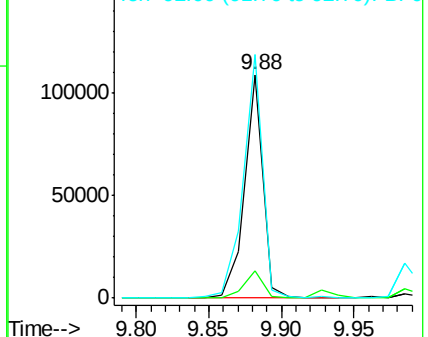
138 100

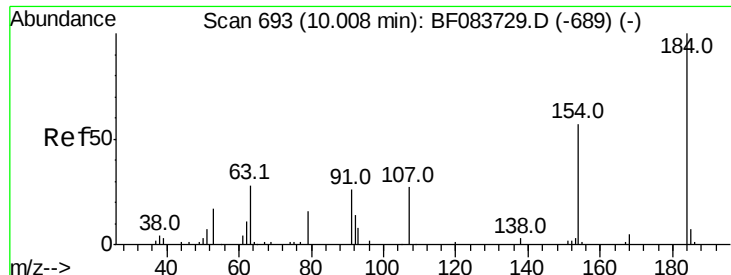
108 12.0 9.9 14.9

92 109.0 113.8 170.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





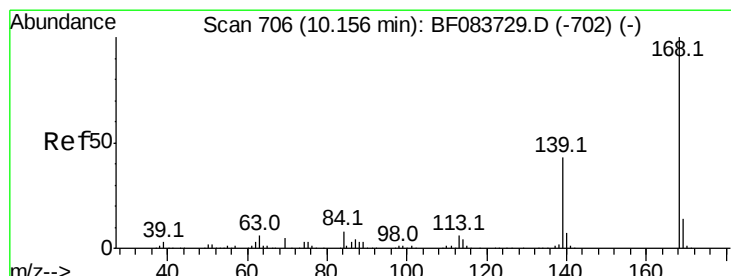
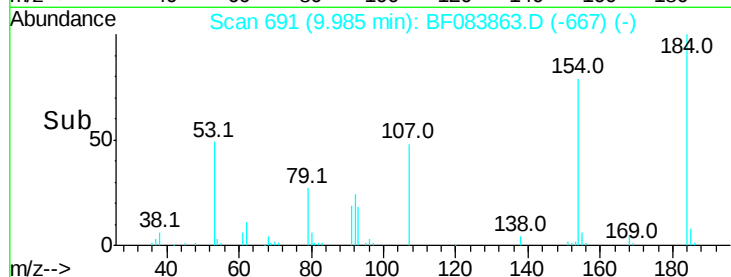
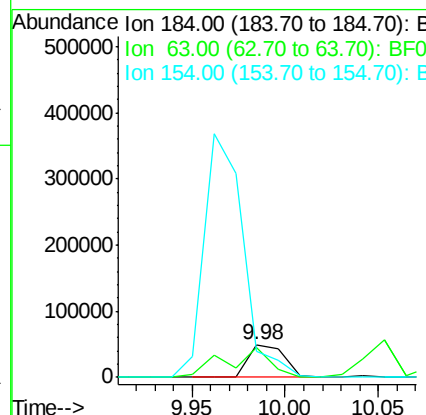
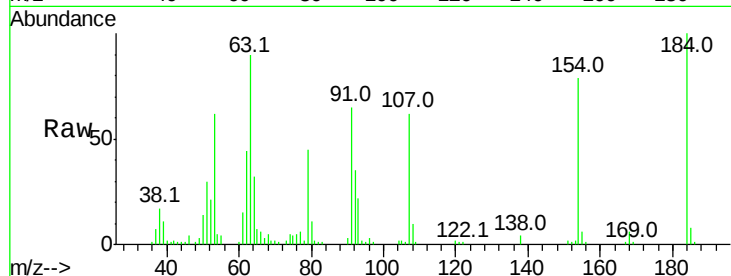
#53
 2,4-Dinitrophenol
 Concen: 54.15 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	89.8	62.4	93.6
154	79.1	46.6	69.8

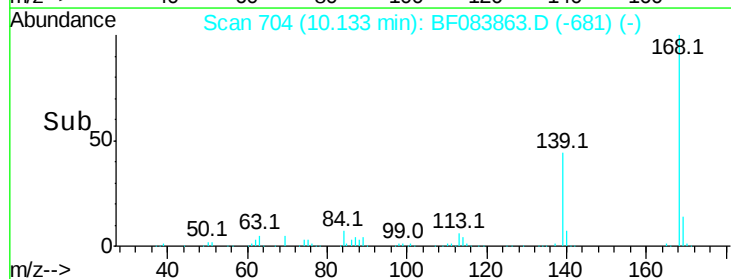
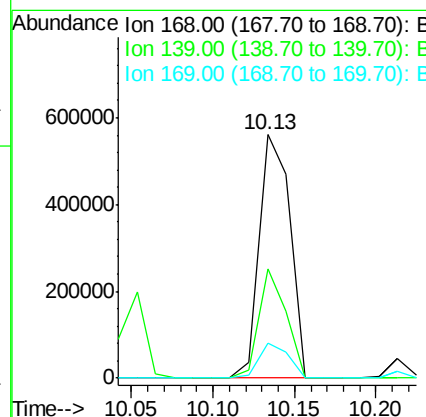
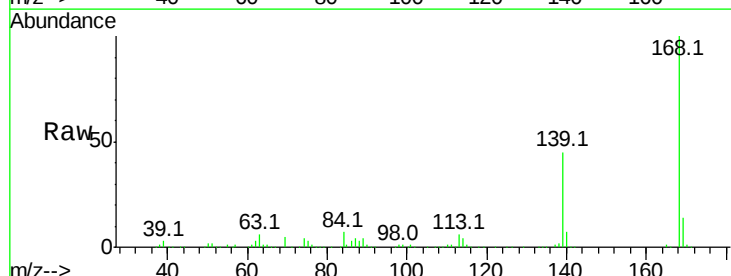
Manual Integrations
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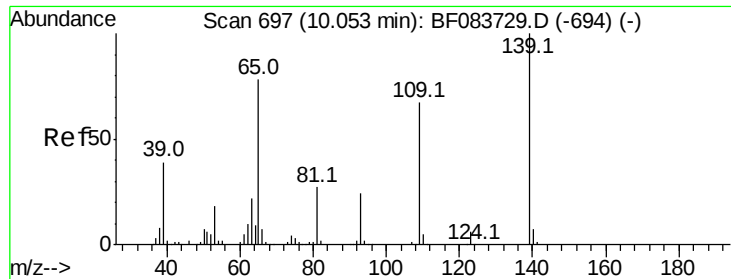
MMdadoda
 12/17/2015 5:38:05 PM



#54
 Dibenzofuran
 Concen: 49.88 ng
 RT: 10.13 min Scan# 704
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.7	28.0	42.0
169	14.2	10.8	16.2





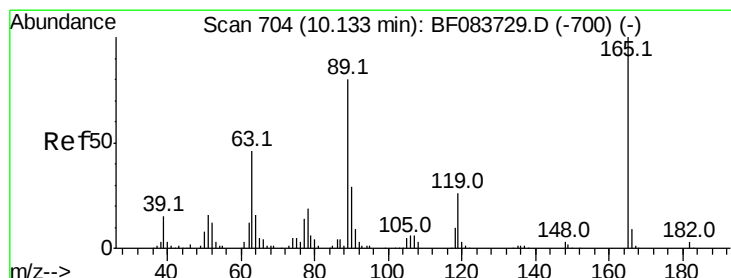
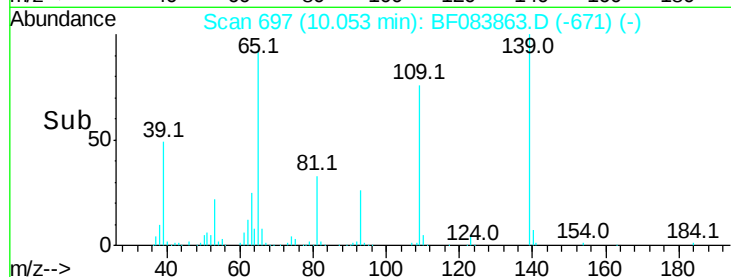
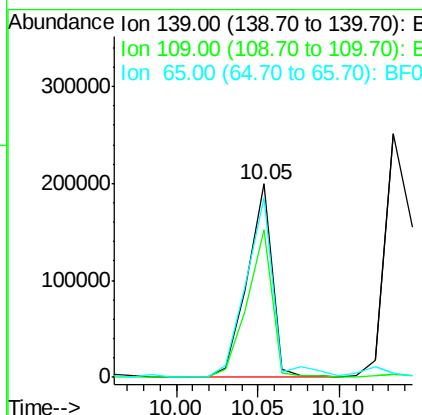
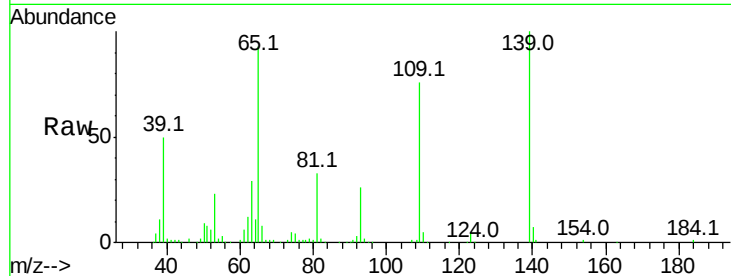
#55
4-Nitrophenol
Concen: 90.14 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	76.2	42.0	82.0
65	92.6	89.2	129.2

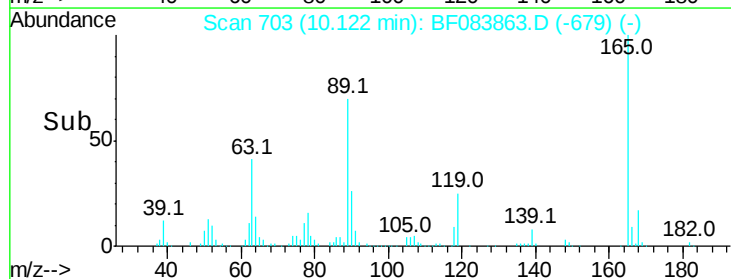
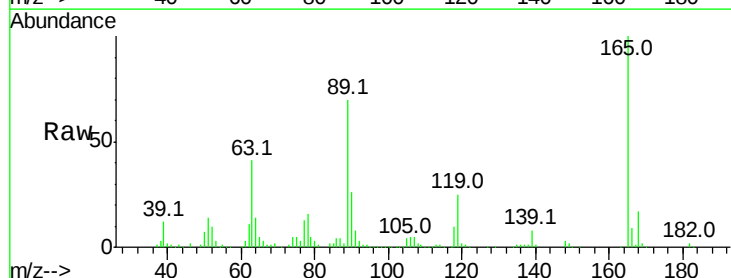
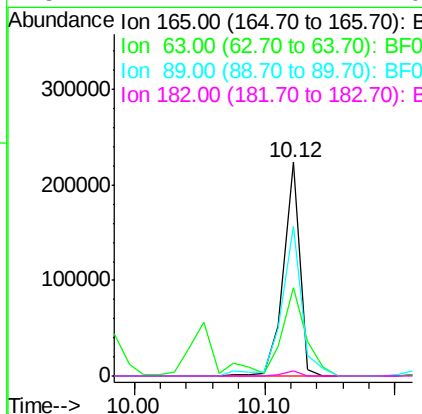
Manual Integrations
APPROVED

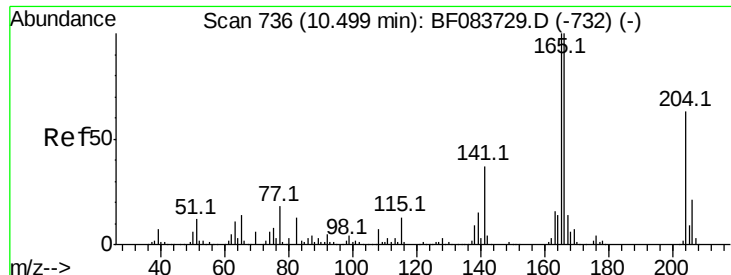
MMdadoda
12/17/2015 5:38:05 PM



#56
2,4-Dinitrotoluene
Concen: 55.04 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	41.1	51.4	77.2#
89	70.0	72.6	108.8#
182	2.4	1.4	2.0#





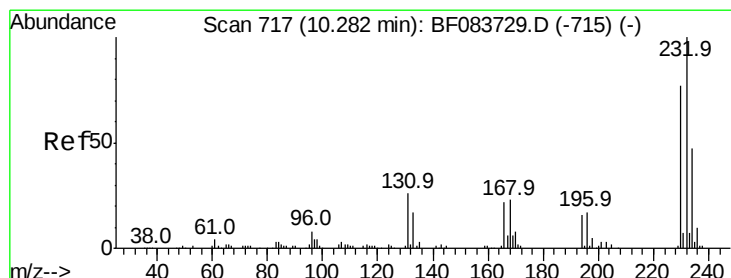
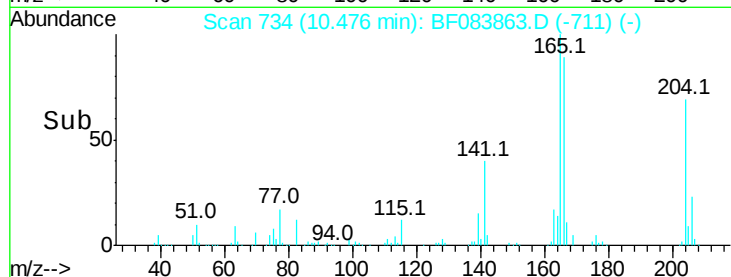
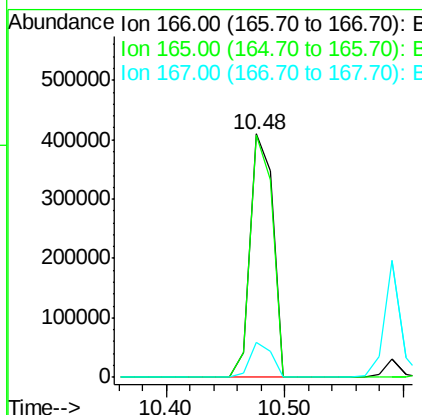
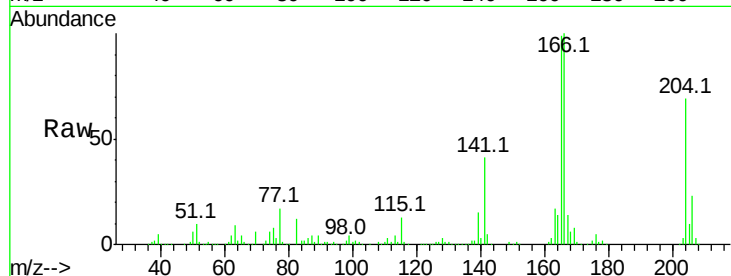
#57
Fluorene
 Concen: 47.44 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	549606		
165	99.5	80.0	120.0	
167	14.3	10.6	16.0	

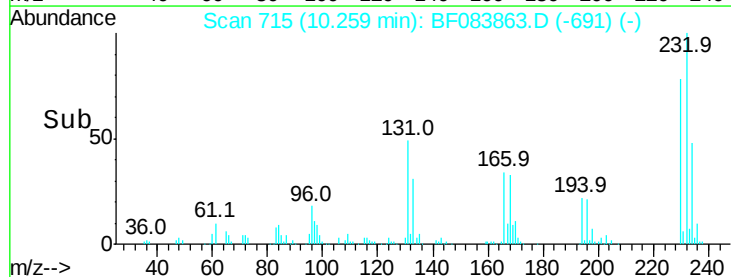
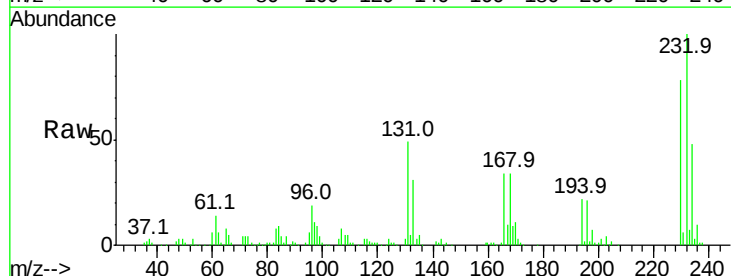
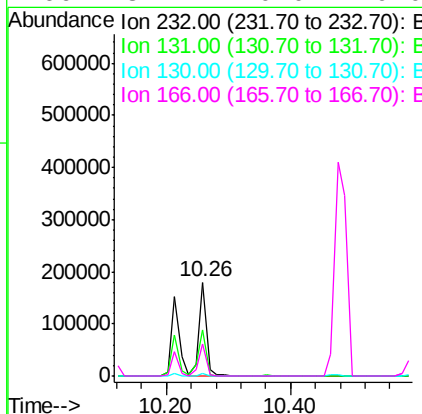
Manual Integrations
APPROVED

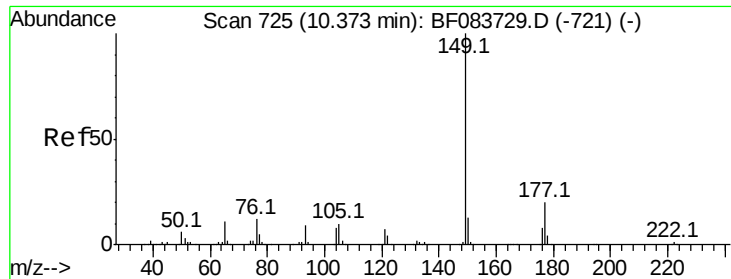
MMdadoda
 12/17/2015 5:38:05 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 59.60 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	152794		
131	52.3	0.0	0.0#	
130	2.6	0.0	0.0#	
166	34.1	0.0	0.0#	





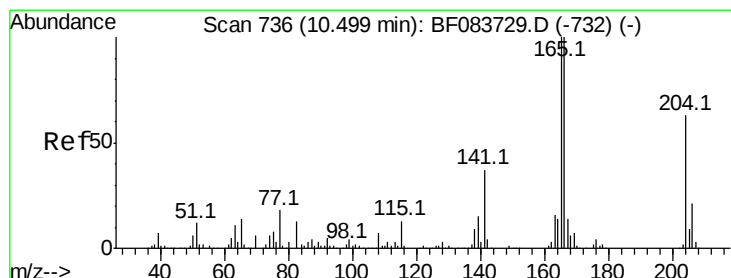
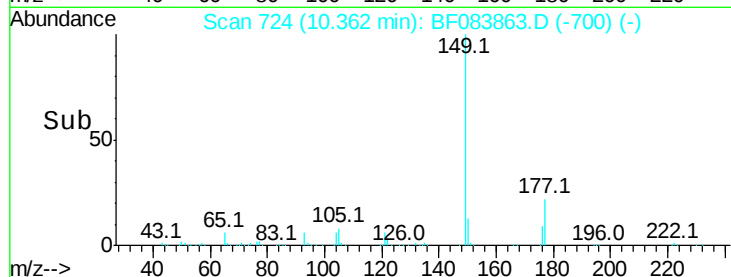
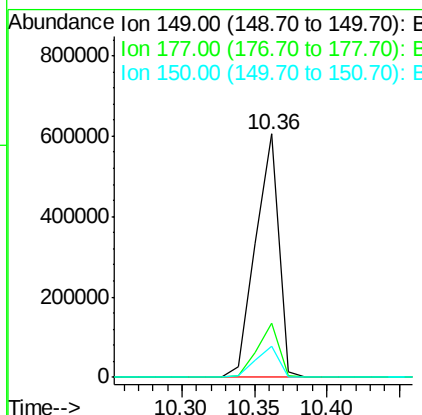
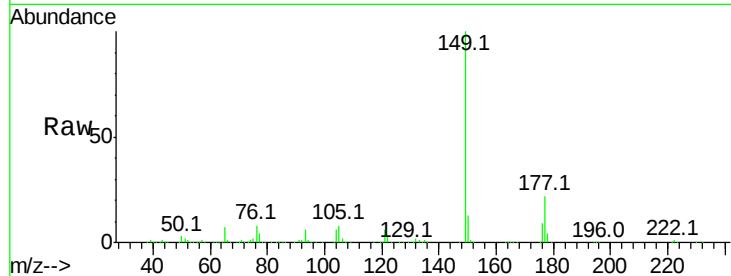
#59
Diethylphthalate
Concen: 51.09 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	672844		
177	22.2	16.9	25.3	
150	12.9	10.2	15.4	

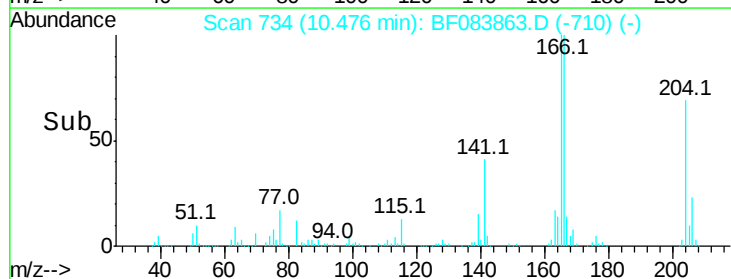
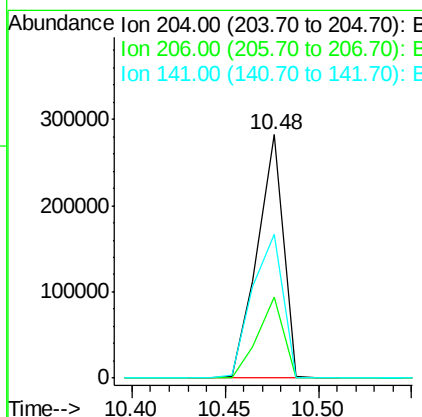
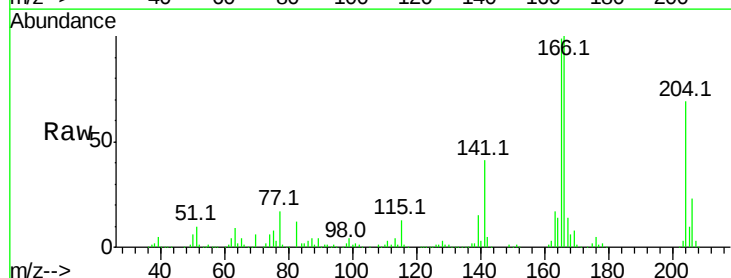
Manual Integrations
APPROVED

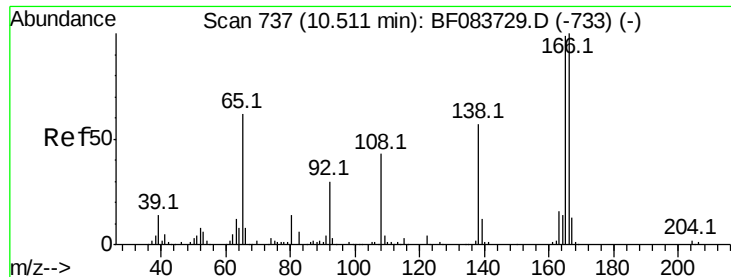
MMdadoda
12/17/2015 5:38:05 PM



#60
4-Chlorophenyl-phenylether
Concen: 51.65 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	272858		
206	33.1	27.3	40.9	
141	59.2	51.9	77.9	





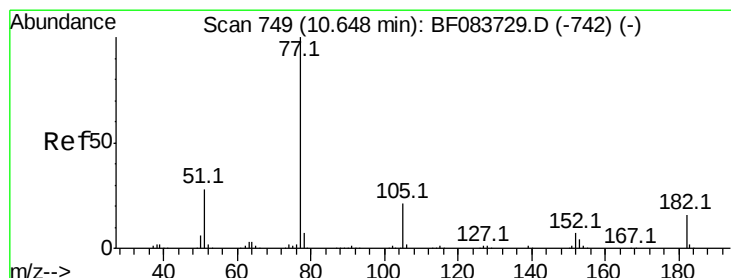
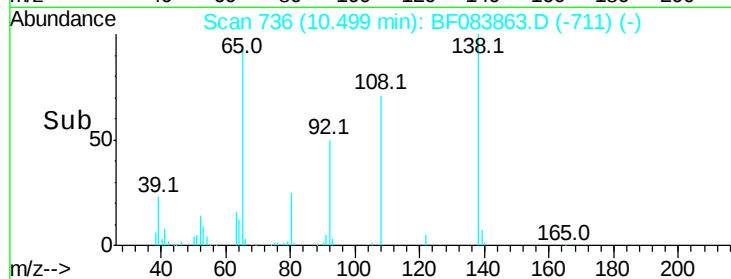
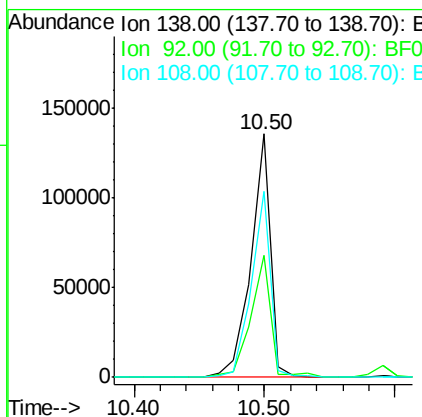
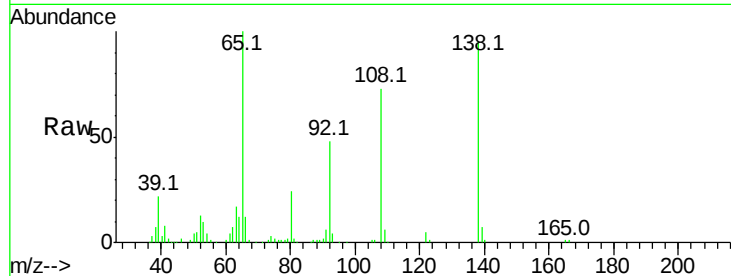
#61
 4-Nitroaniline
 Concen: 50.52 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion:	138	Resp:	141759
Ion Ratio	Lower	Upper	
138	100		
92	50.2	29.0	69.0
108	76.6	47.4	87.4

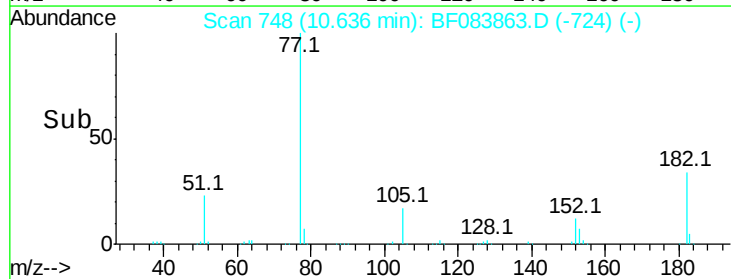
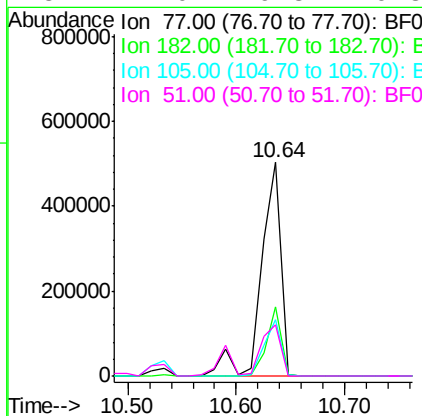
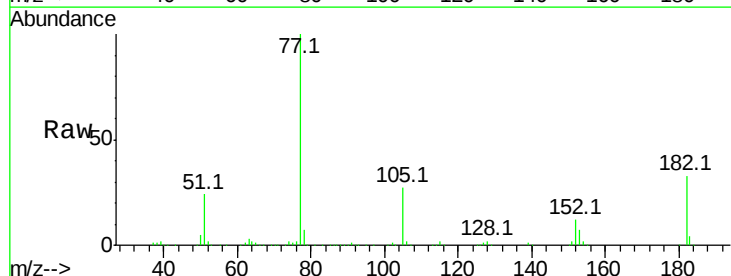
Manual Integrations
 APPROVED

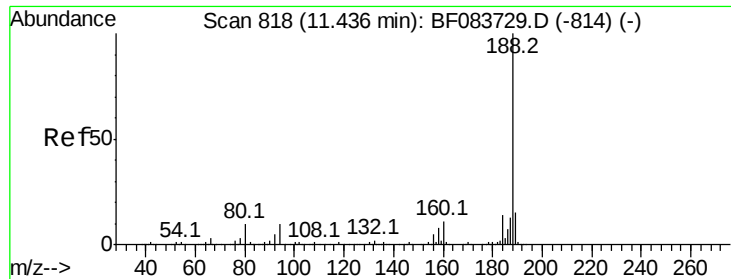
MMdadoda
 12/17/2015 5:38:05 PM



#62
 Azobenzene
 Concen: 53.23 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion:	77	Resp:	639066
Ion Ratio	Lower	Upper	
77	100		
182	32.6	2.5	42.5
105	26.6	2.1	42.1
51	24.0	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

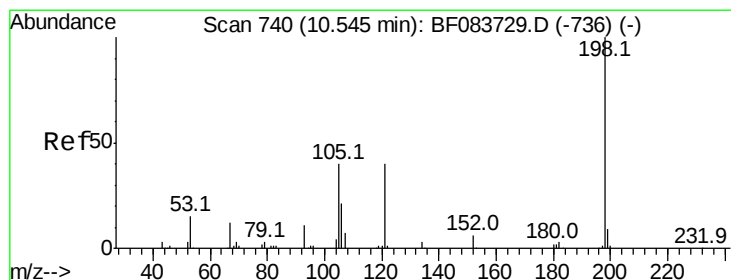
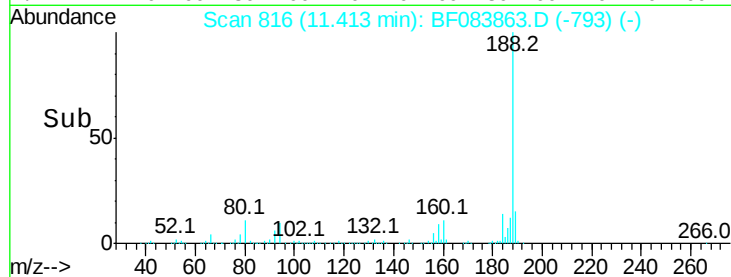
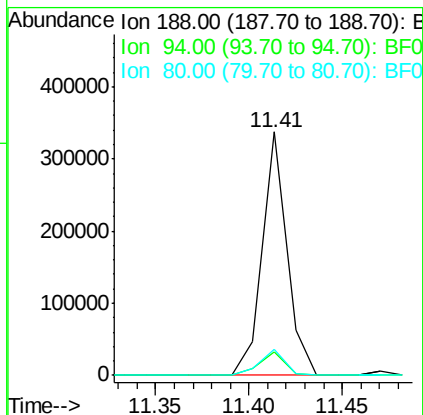
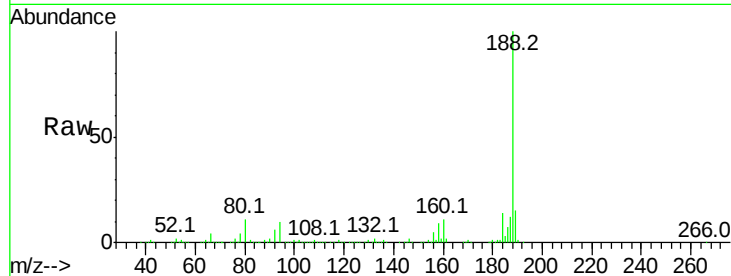
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	188	Resp:	306808
Ion Ratio	Lower	Upper	
188	100		
94	9.8	9.4	14.2
80	10.8	10.6	16.0

Manual Integrations
APPROVED

MMdadoda
12/17/2015 5:38:05 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 53.74 ng

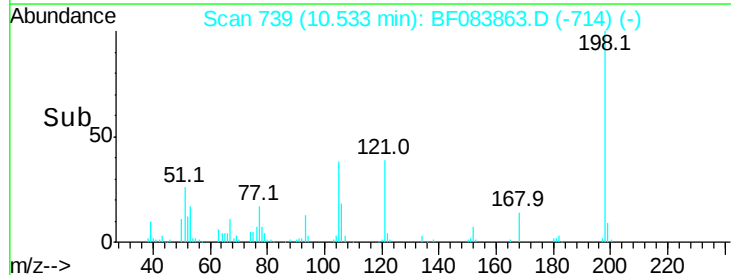
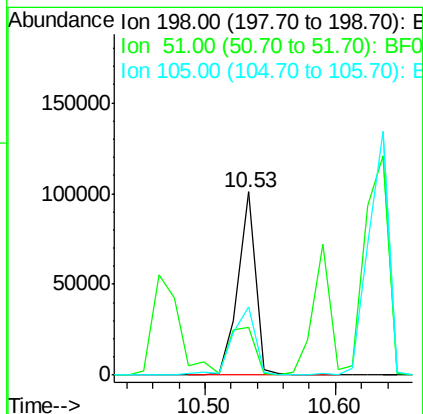
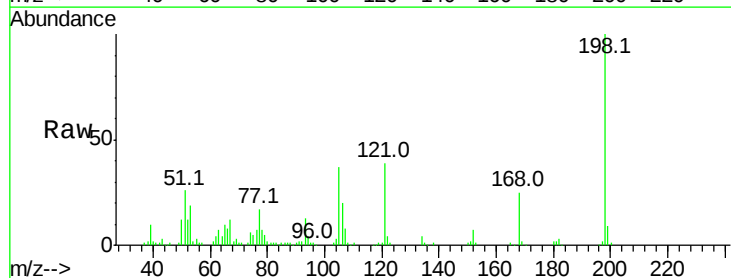
RT: 10.53 min Scan# 739

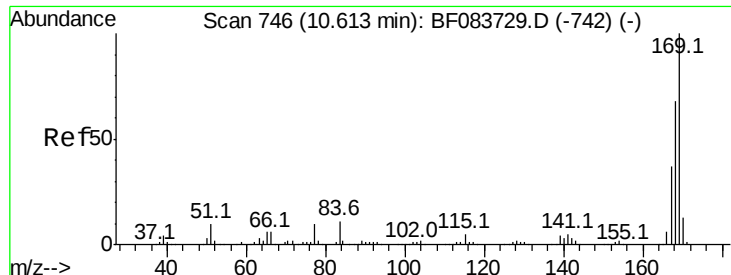
Delta R.T. -0.01 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	198	Resp:	93813
Ion Ratio	Lower	Upper	
198	100		
51	25.8	53.8	93.8#
105	37.1	38.6	78.6#





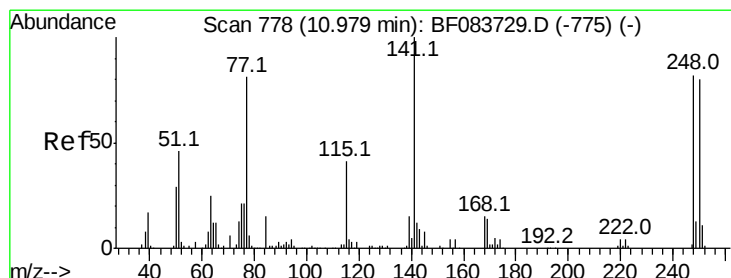
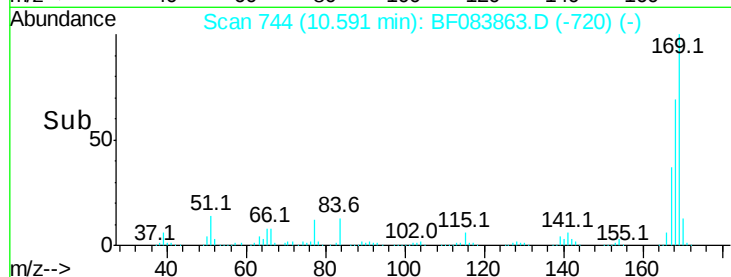
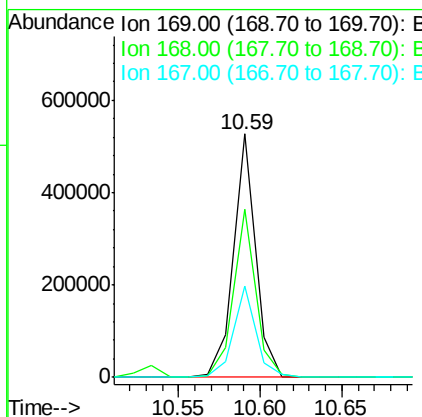
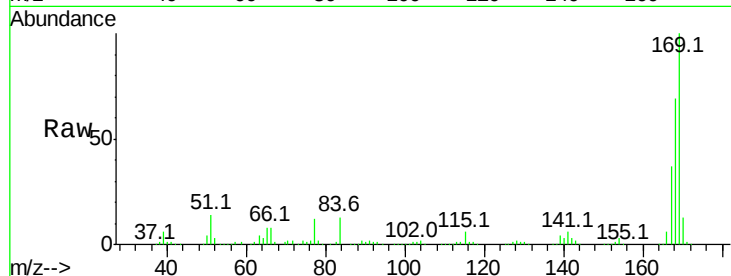
#65
n-Nitrosodiphenylamine
Concen: 46.76 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	68.8	53.0	79.6	
167	37.4	29.3	43.9	

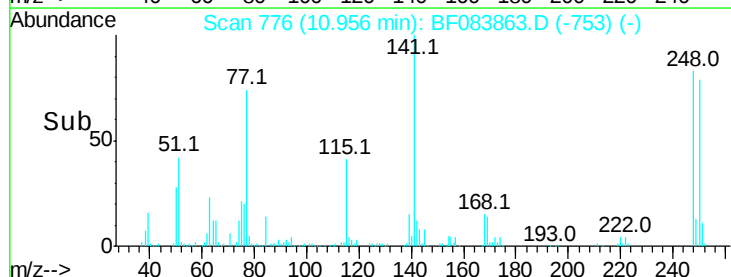
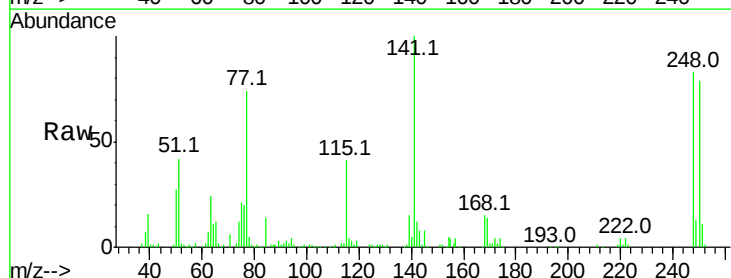
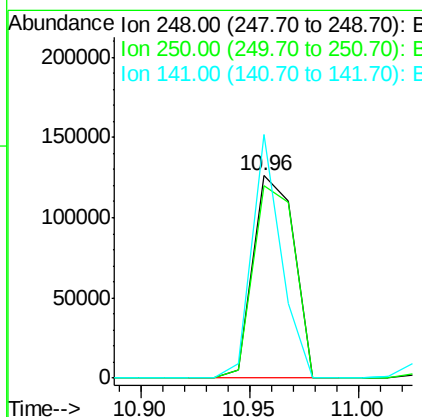
Manual Integrations
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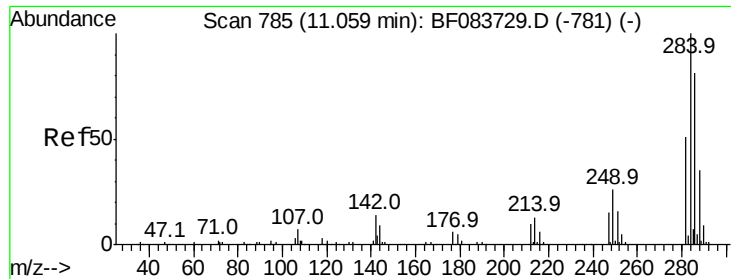
MMdadoda
12/17/2015 5:38:05 PM



#66
4-Bromophenyl-phenylether
Concen: 48.34 ng
RT: 10.96 min Scan# 776
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	95.3	79.2	118.8	
141	120.3	58.2	87.4	





#67

Hexachlorobenzene

Concen: 52.85 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

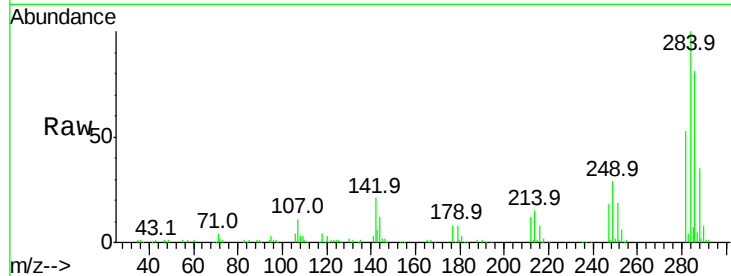
ClientSampleId :

COMPOSITE-C-20150874MSD

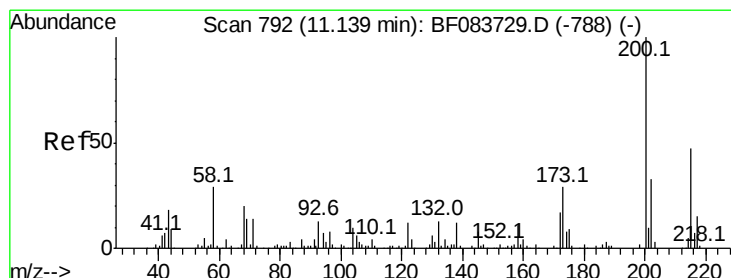
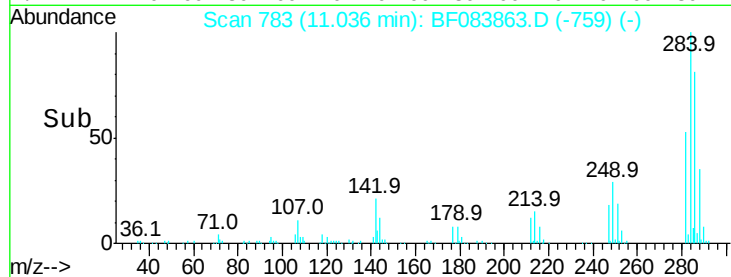
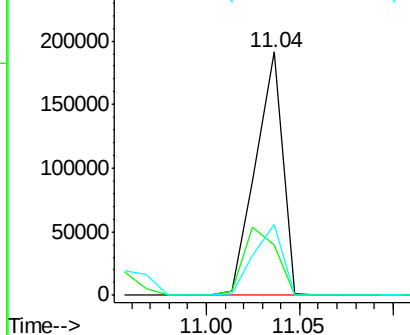
Tot Ion	Ratio	Resp	Lower	Upper
284	100	196187		
142	20.8	31.0	46.4#	
249	29.2	26.9	40.3	

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



#68

Atrazine

Concen: 52.30 ng

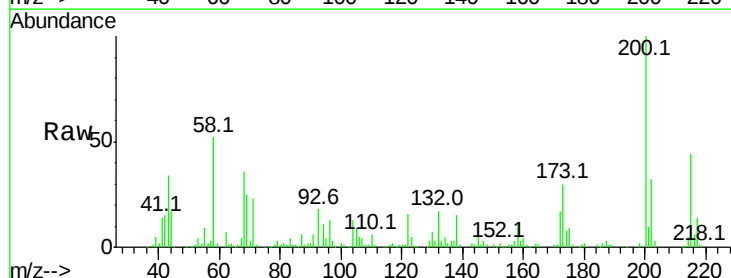
RT: 11.12 min Scan# 790

Delta R.T. -0.02 min

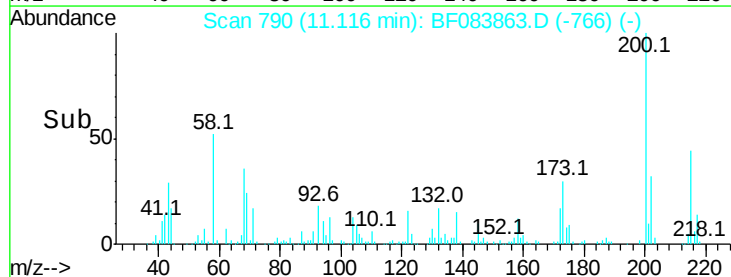
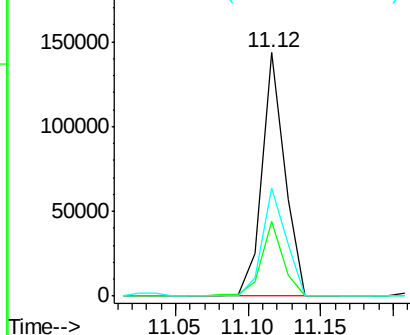
Lab File: BF083863.D

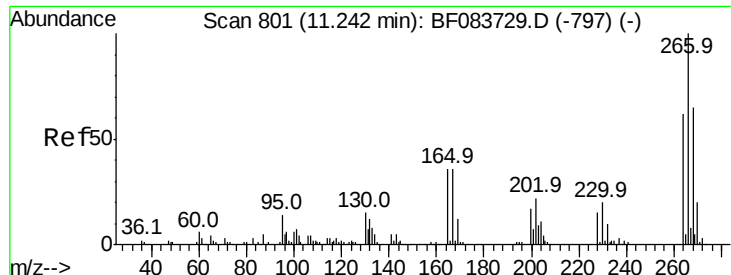
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	156150		
173	30.5	7.8	47.8	
215	44.3	25.7	65.7	



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





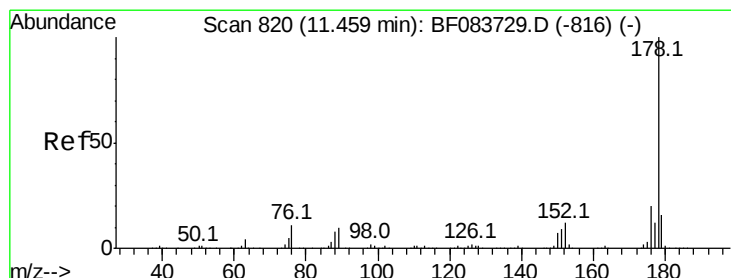
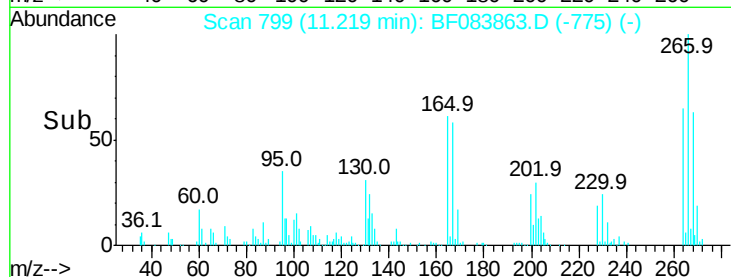
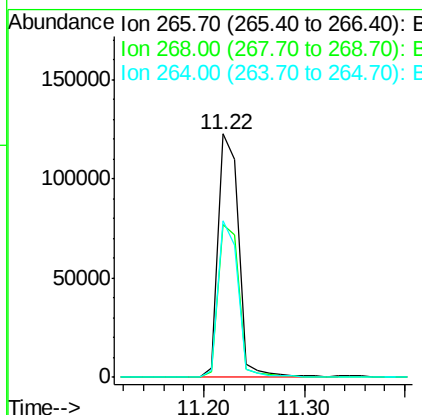
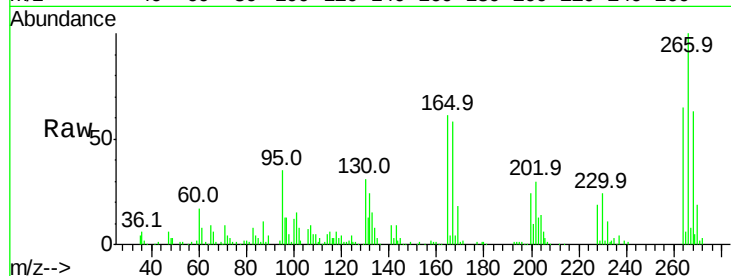
#69
 Pentachlorophenol
 Concen: 83.23 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	174259		
268	62.6	50.2	75.2	
264	64.5	51.4	77.2	

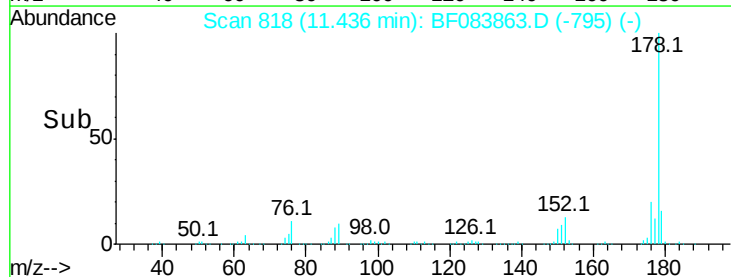
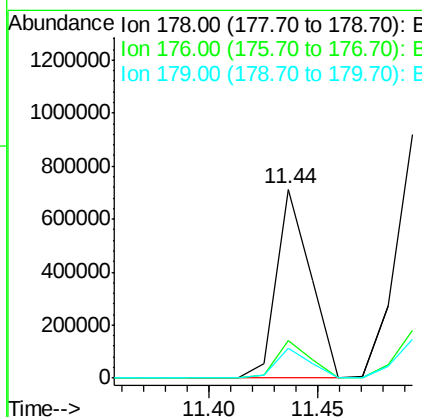
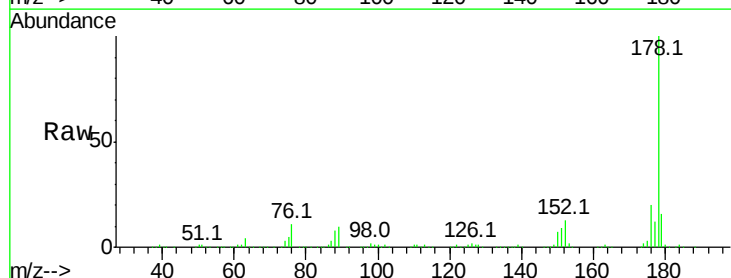
Manual Integrations
 APPROVED

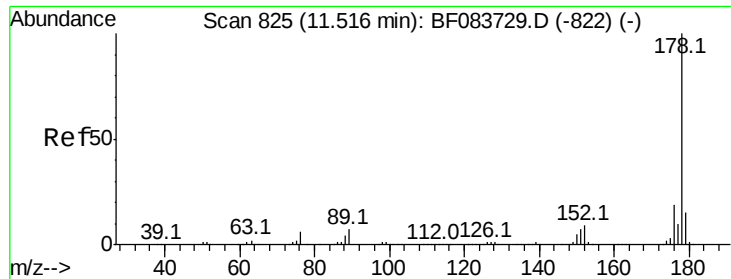
MMdadoda
 12/17/2015 5:38:05 PM



#70
 Phenanthrene
 Concen: 47.96 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	781741		
176	19.9	15.7	23.5	
179	16.1	12.2	18.4	





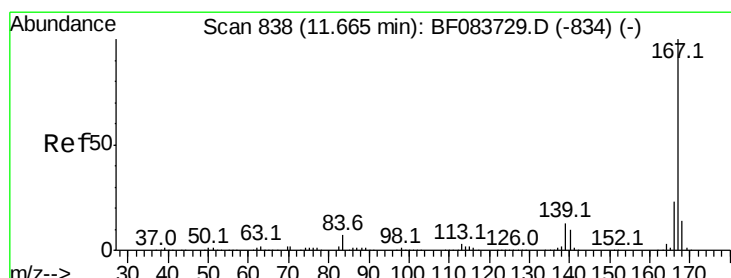
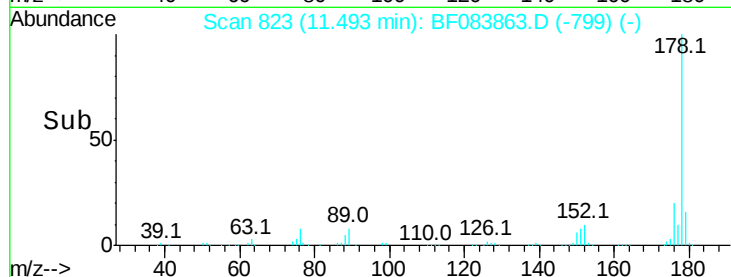
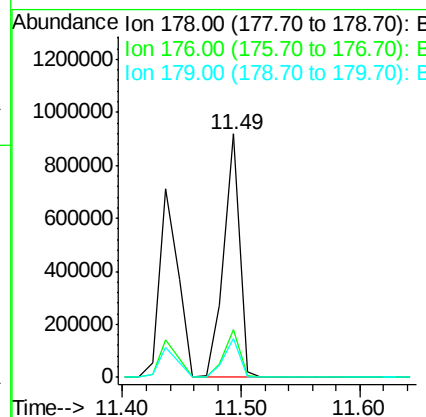
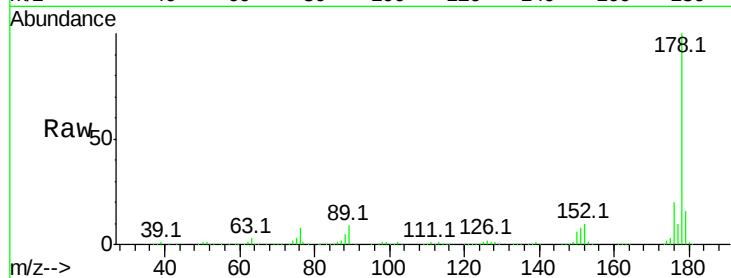
#71
 Anthracene
 Concen: 49.56 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	16.0	12.6	18.8

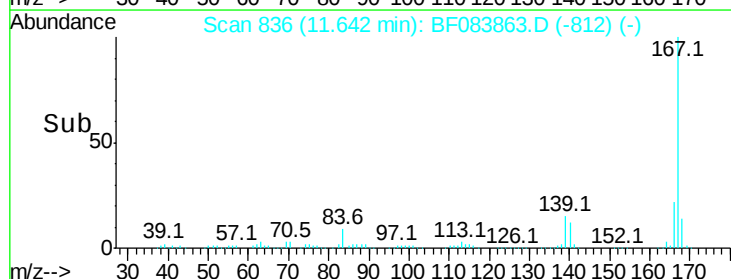
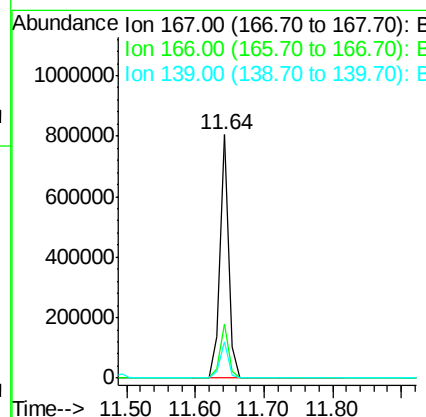
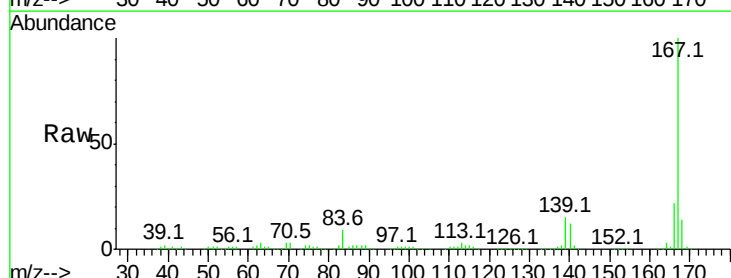
Manual Integrations
 APPROVED

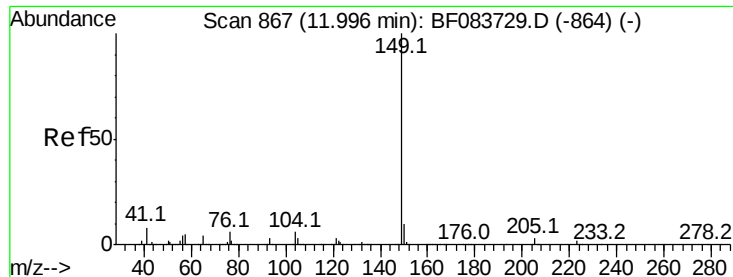
MMdadoda
 12/17/2015 5:38:05 PM



#72
 Carbazole
 Concen: 45.97 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.2	25.8
139	14.8	9.3	13.9





#73

Di-n-butylphthalate

Concen: 48.95 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

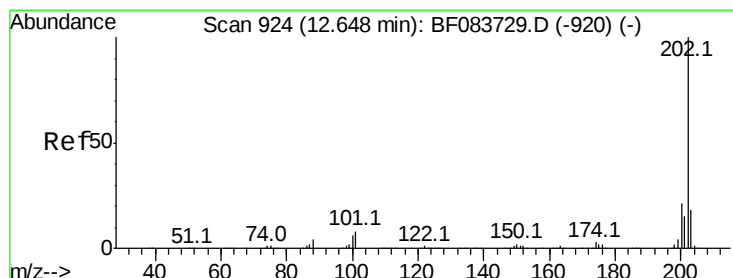
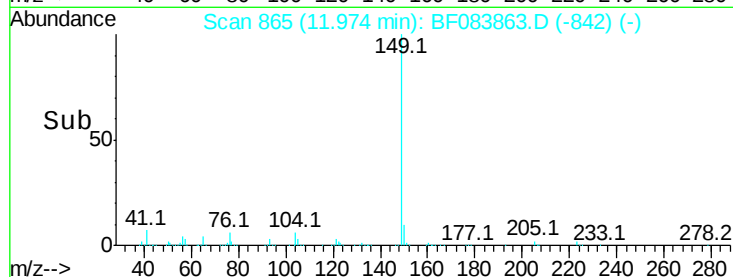
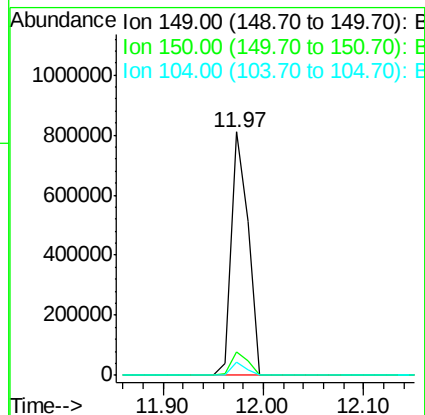
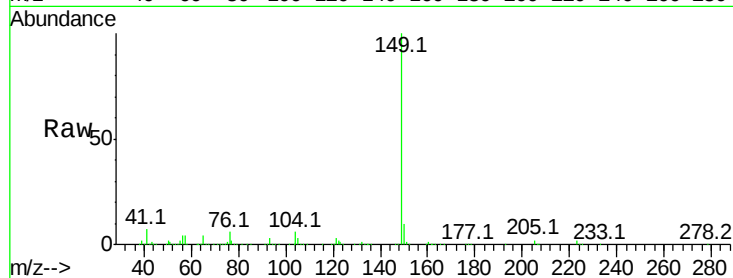
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	149	Resp:	937653
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.8	11.6
104	5.6	3.9	5.9

Manual Integrations
APPROVED

MMdadoda
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#74

Fluoranthene

Concen: 48.07 ng

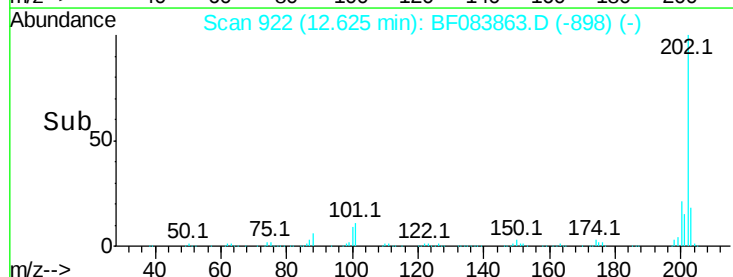
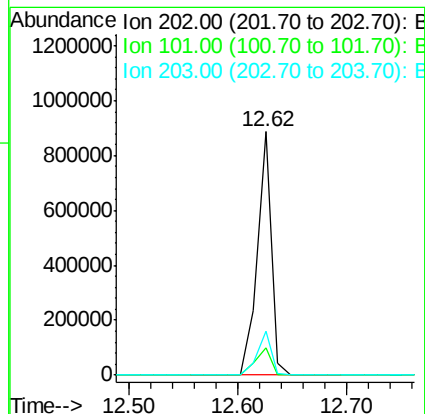
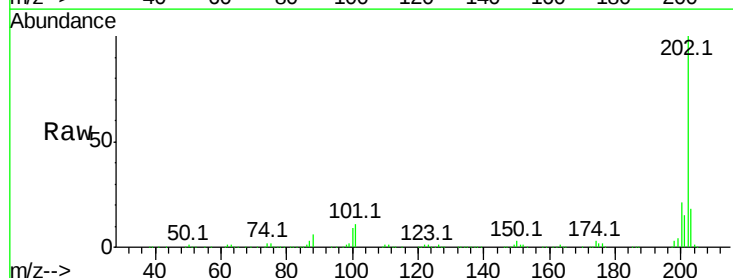
RT: 12.62 min Scan# 922

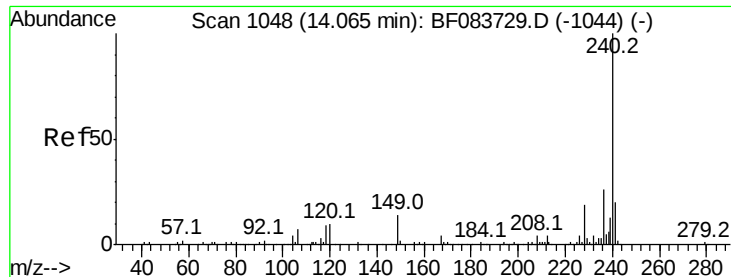
Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	202	Resp:	809541
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.5
203	18.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

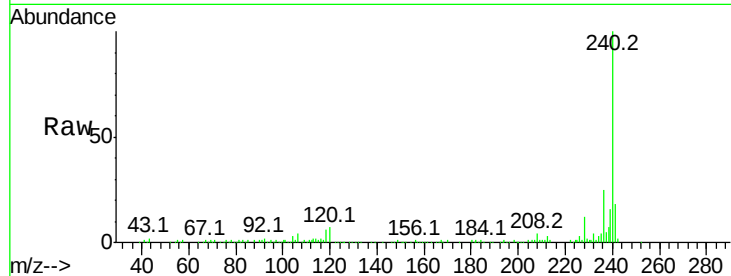
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	6.5	8.1	12.1	
236	24.9	20.8	31.2	

Manual Integrations
APPROVED

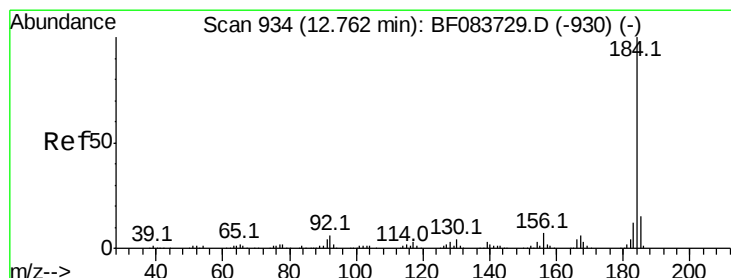
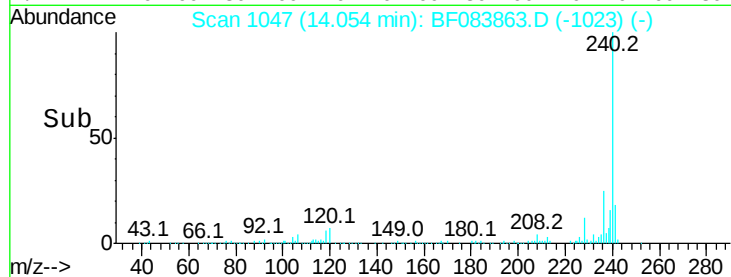
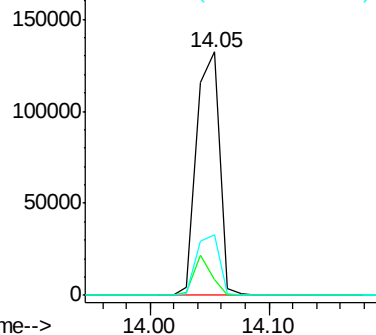
MMdadoda
12/17/2015 5:38:05 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 52.09 ng

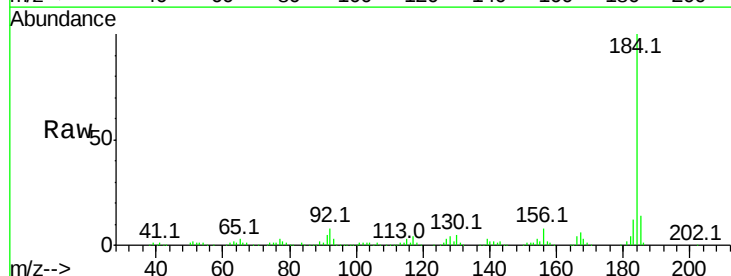
RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

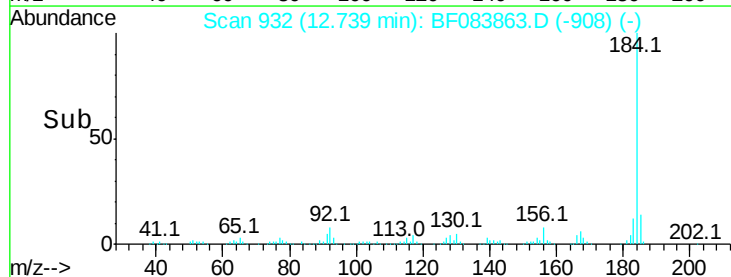
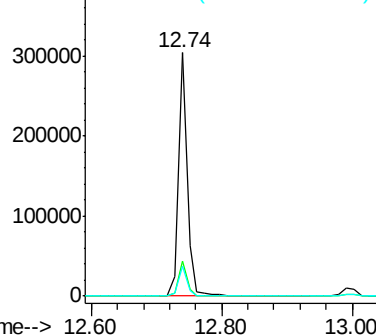
Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.2	13.0	19.6	
183	12.0	9.0	13.4	

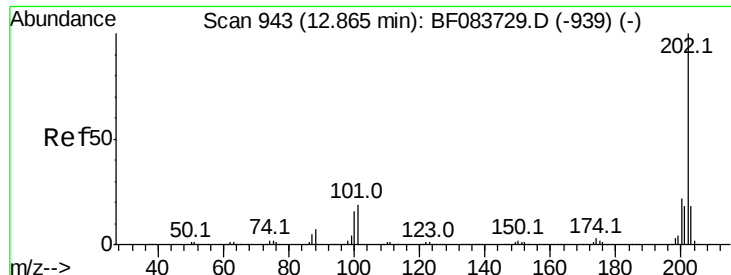


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





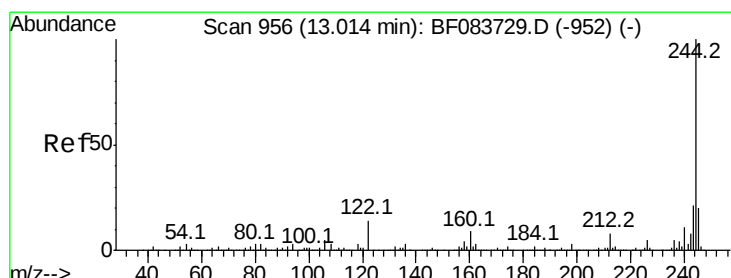
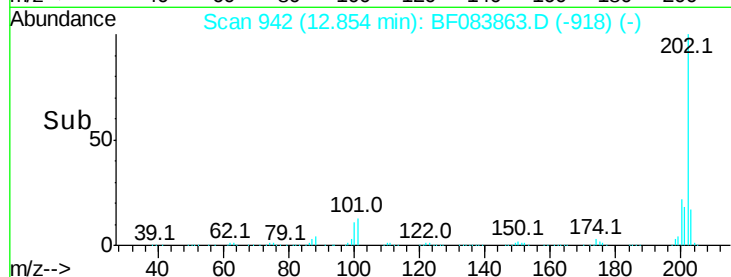
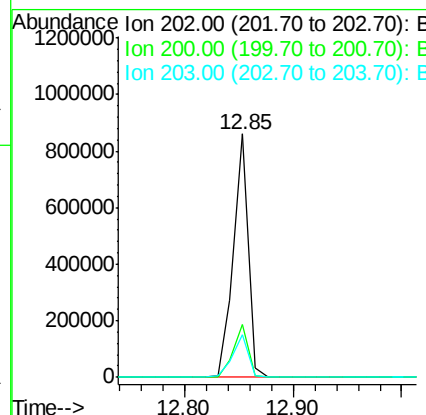
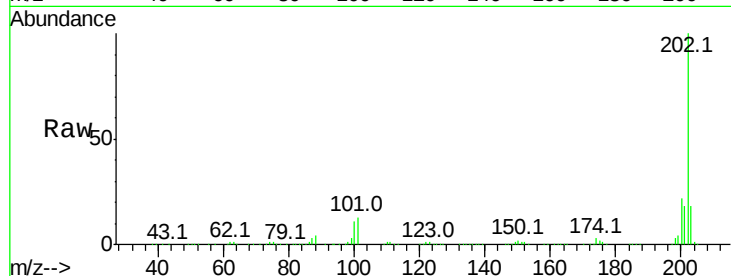
#77
Pvrene
Concen: 57.78 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	809002		
200	21.8		16.7	25.1
203	17.7		14.3	21.5

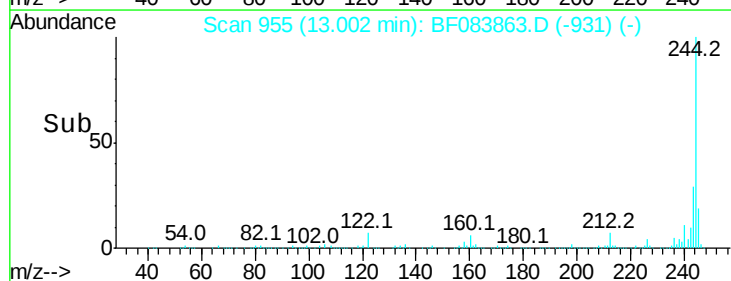
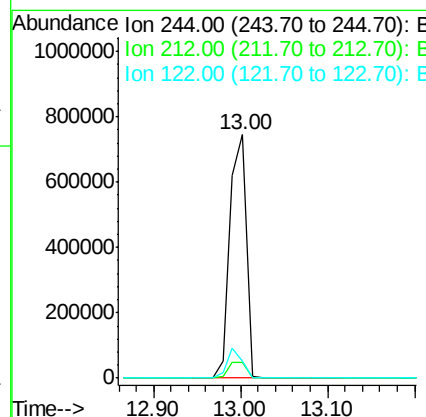
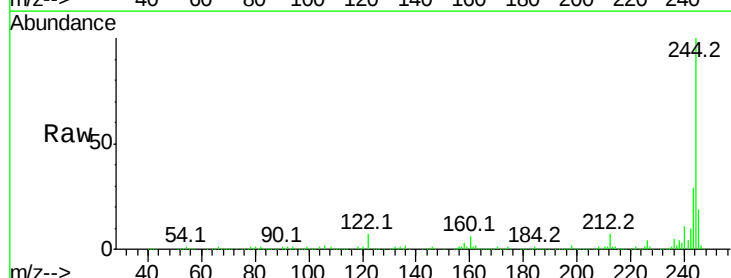
Manual Integrations
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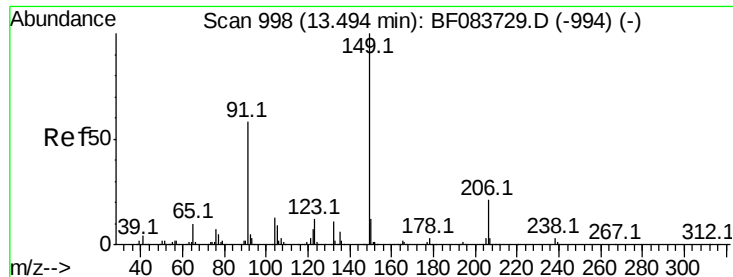
MMdadoda
12/17/2015 5:38:05 PM



#78
Terphenyl-d14
Concen: 119.24 ng
RT: 13.00 min Scan# 955
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	981936		
212	6.6		6.1	9.1
122	6.9		11.0	16.6#





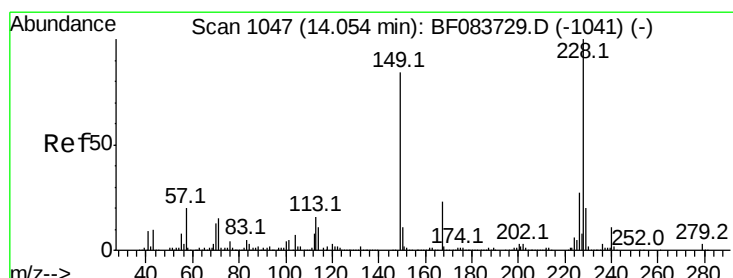
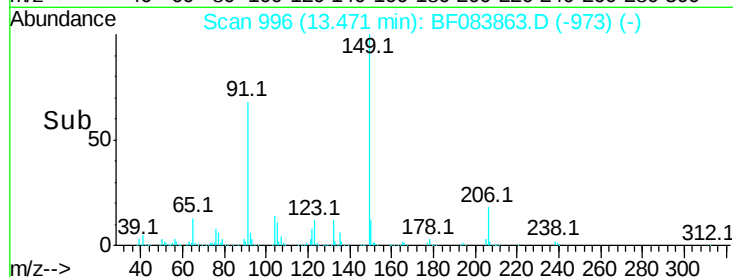
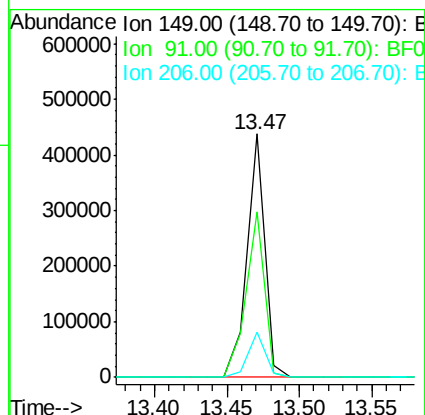
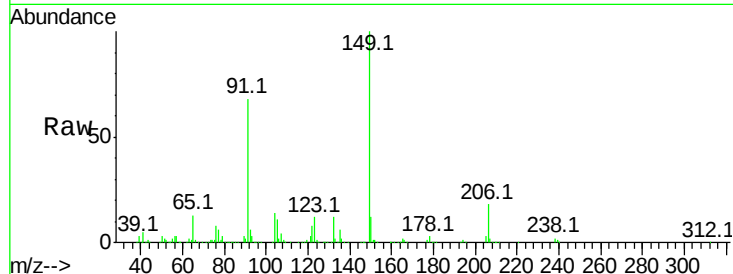
#79
Butylbenzylphthalate
Concen: 62.00 ng
RT: 13.47 min Scan# 996
Delta R.T. -0.03 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	372526		
91	68.1	60.0	90.0	
206	18.4	16.2	24.4	

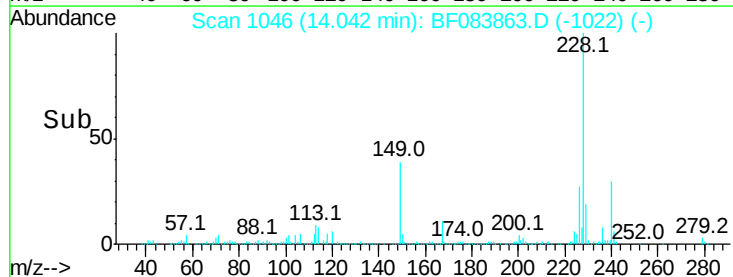
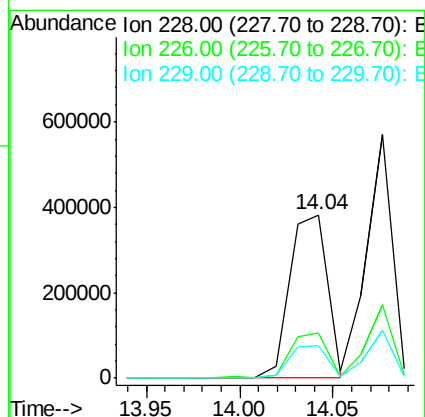
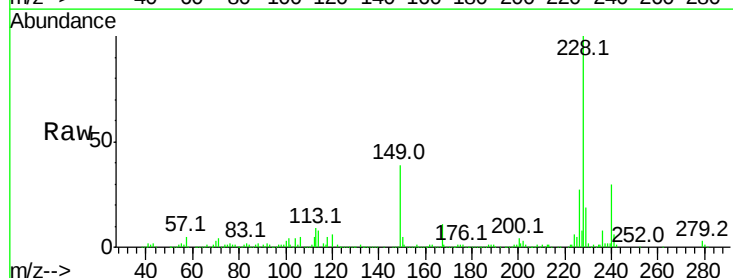
Manual Integrations
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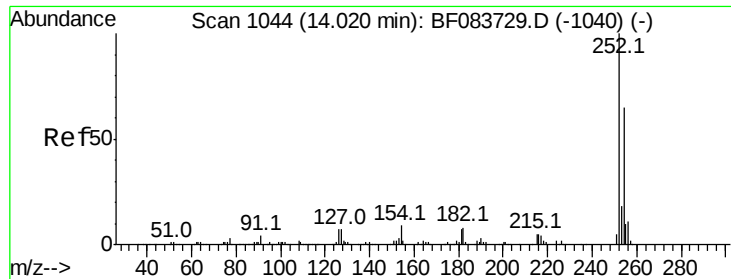
MMdadoda
12/17/2015 5:38:05 PM



#80
Benzo(a)anthracene
Concen: 53.58 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	539694		
226	27.3	22.3	33.5	
229	19.5	15.7	23.5	





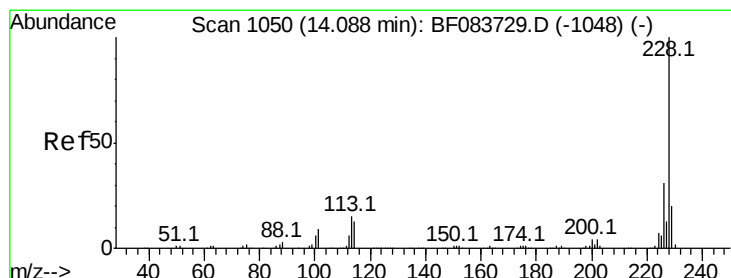
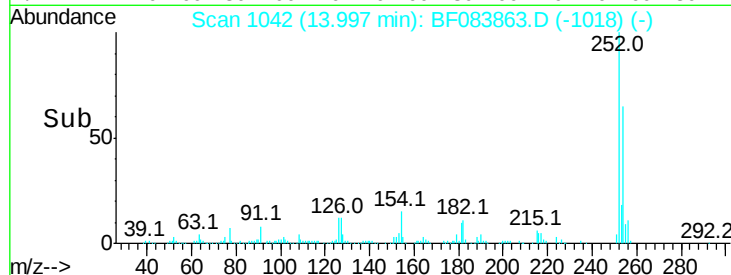
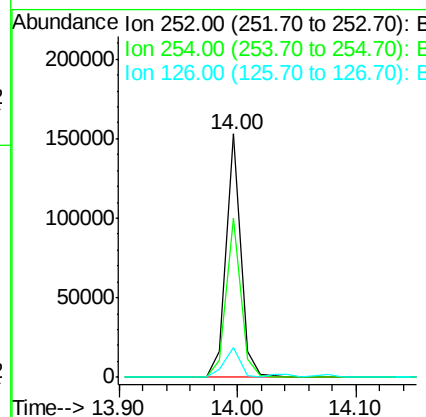
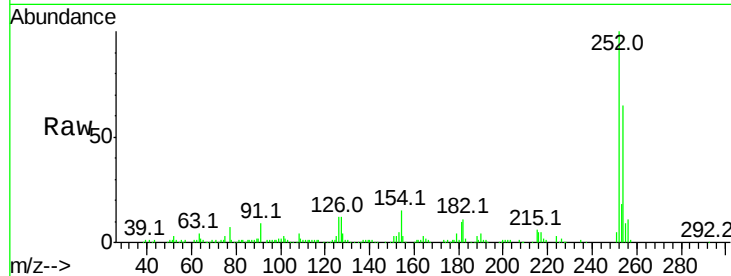
#81
 3,3'-Dichlorobenzidine
 Concen: 35.71 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	129747		
254	65.1	50.6	76.0	
126	12.5	11.0	16.4	

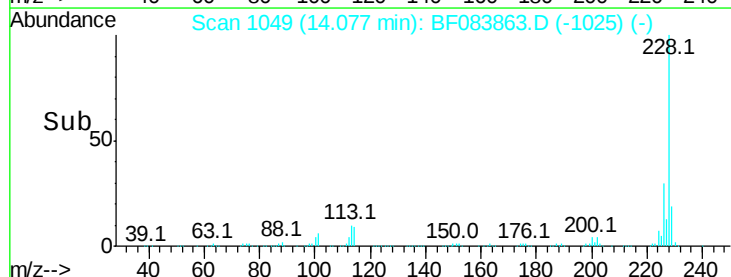
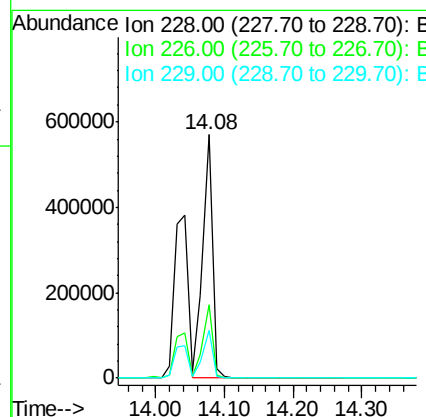
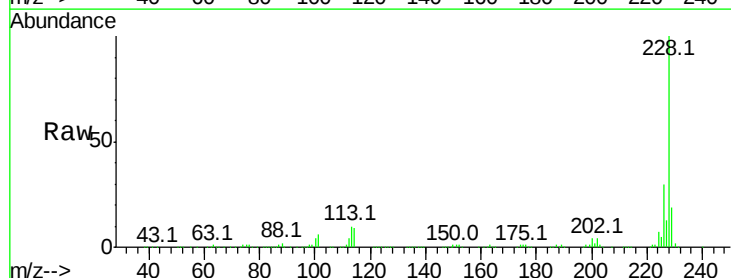
Manual Integrations
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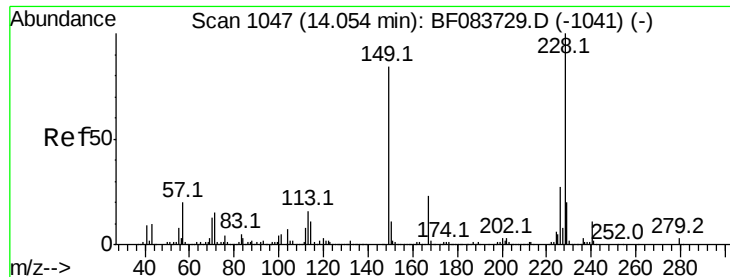
MMdadoda
 12/17/2015 5:38:05 PM



#82
 Chrysene
 Concen: 55.78 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	547975		
226	30.4	24.7	37.1	
229	19.5	16.3	24.5	





#83

Bis(2-ethylhexyl)phthalate

Concen: 62.33 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

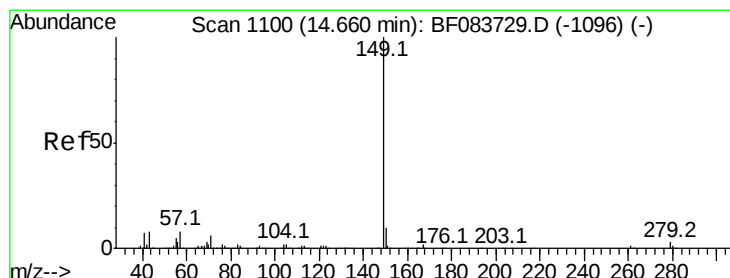
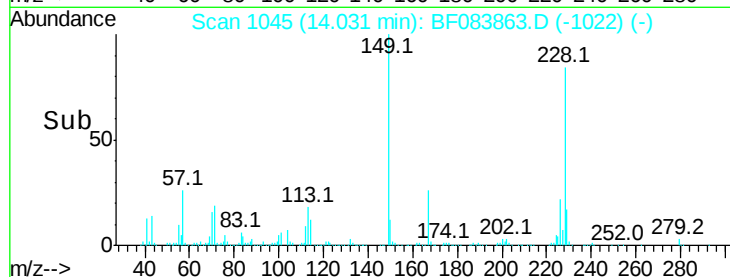
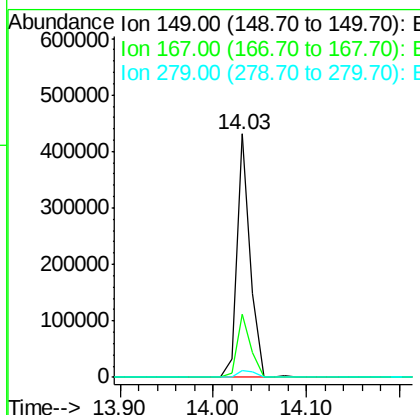
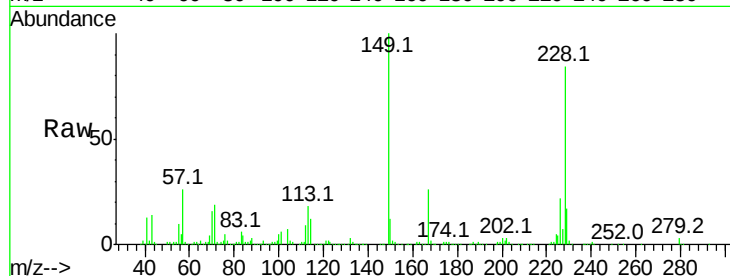
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	149	Resp:	426252
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.8	32.8
279	2.6	3.0	4.4#

Manual Integrations
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MMdadoda
12/17/2015 5:38:05 PM



#84

Di-n-octyl phthalate

Concen: 63.47 ng

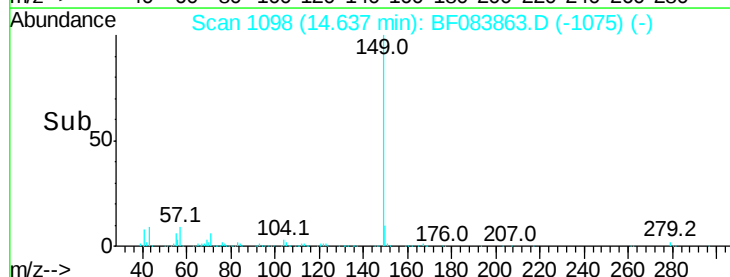
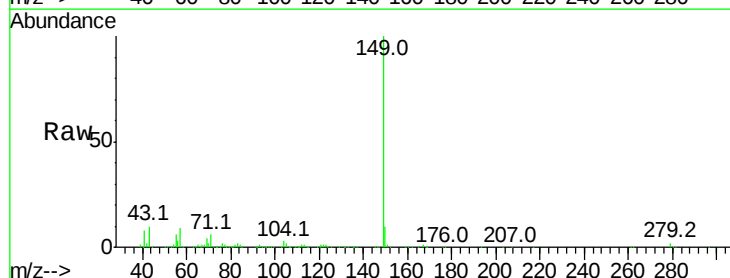
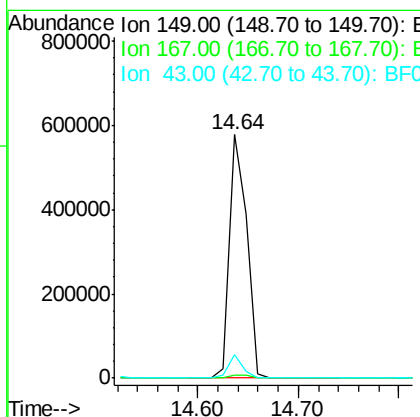
RT: 14.64 min Scan# 1098

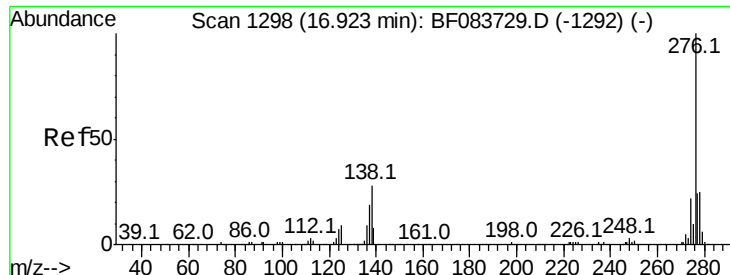
Delta R.T. -0.03 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	149	Resp:	689745
Ion Ratio	Lower	Upper	
149	100		
167	1.6	0.0	0.0#
43	7.7	0.0	0.0#





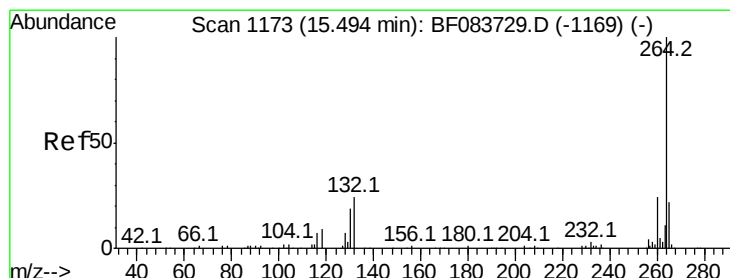
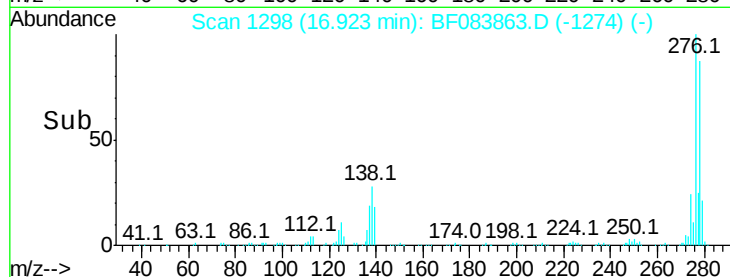
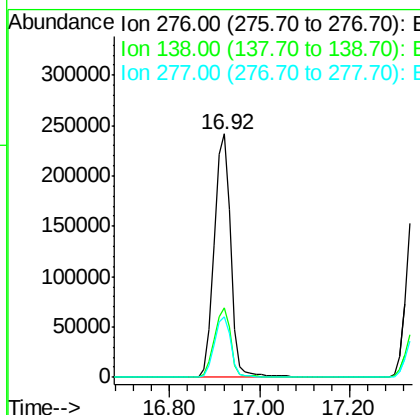
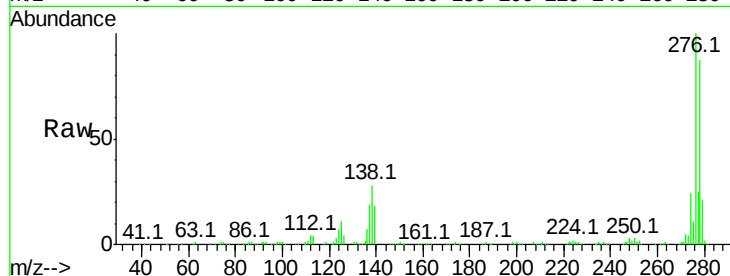
#85
Indeno(1,2,3-cd)pyrene
Concen: 64.37 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	621136		
138	28.5	0.0	0.0	0.0
277	25.1	0.0	0.0	0.0

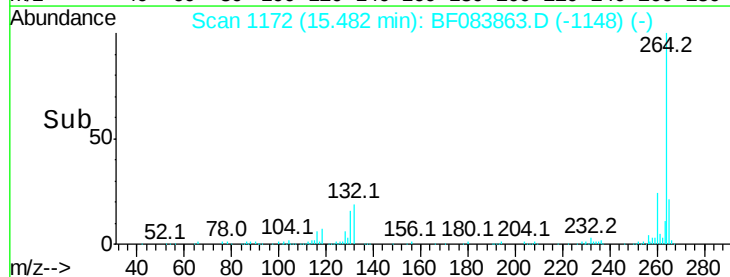
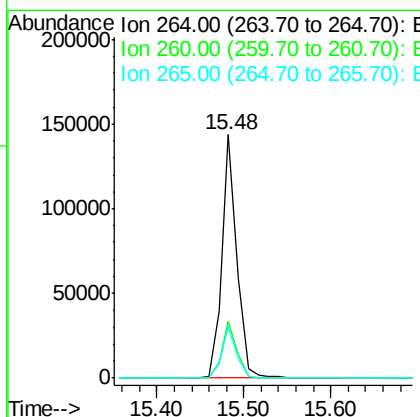
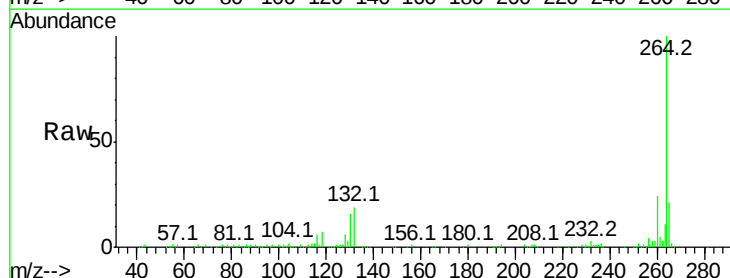
Manual Integrations
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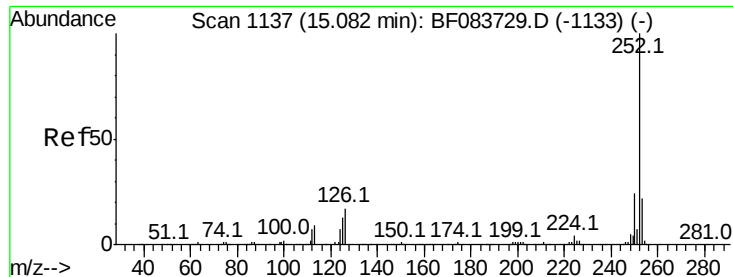
MMdadoda
12/17/2015 5:38:05 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	172956		
260	23.5	19.4	29.0	
265	21.2	17.8	26.6	





#87

Benzo(b)fluoranthene

Concen: 44.27 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Instrument :

BNA_F

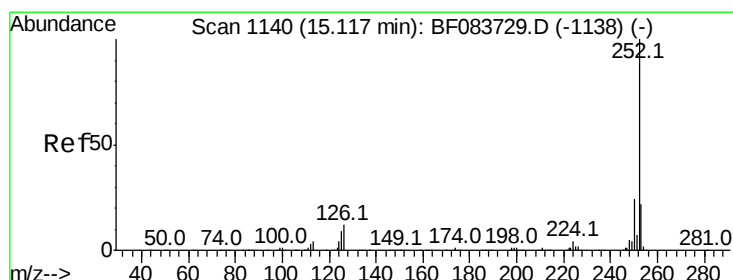
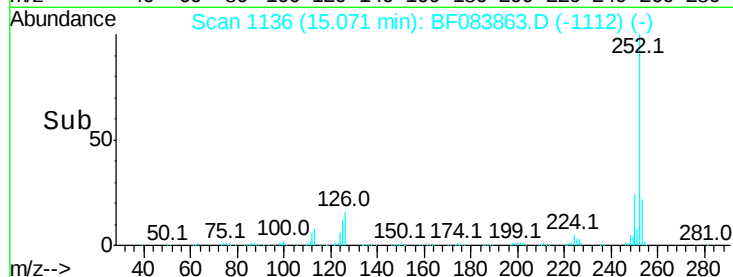
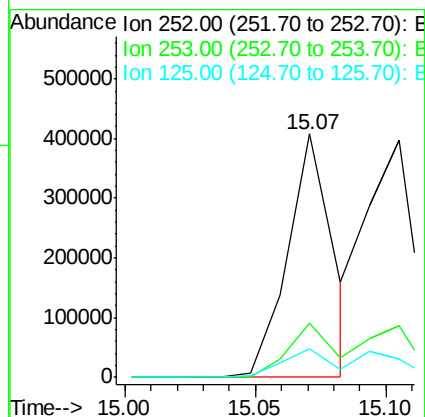
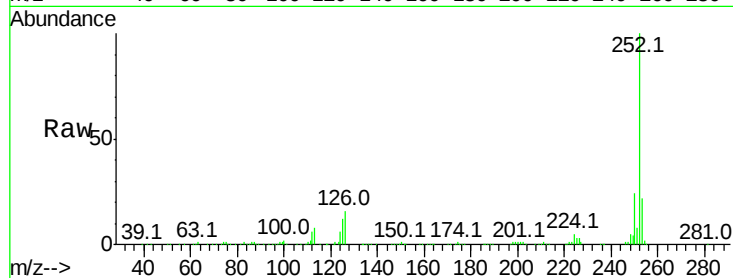
ClientSampleId :

COMPOSITE-C-20150874MSD

Tot Ion:	252	Resp:	488528
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.4
125	11.8	8.2	12.4

Manual Integrations
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MMdadoda
12/17/2015 5:38:05 PM



#88

Benzo(k)fluoranthene

Concen: 49.46 ng m

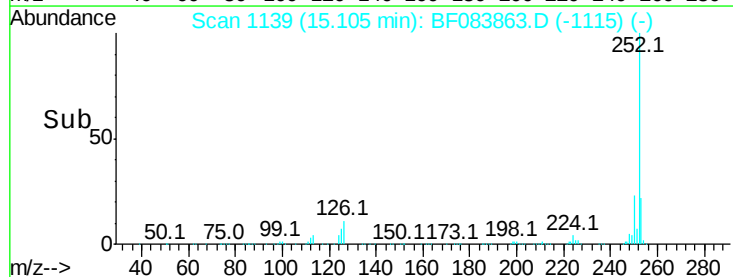
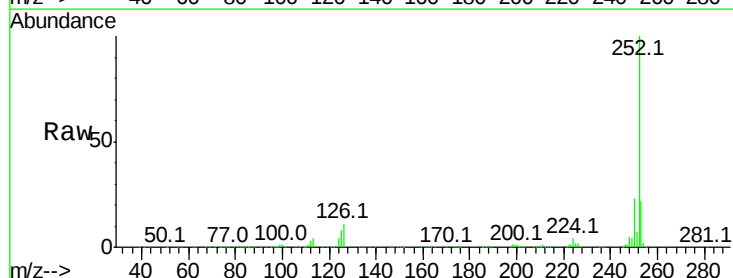
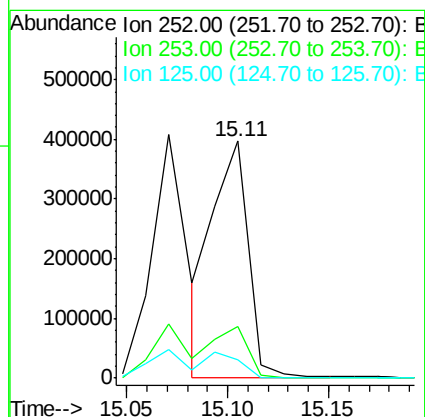
RT: 15.11 min Scan# 1139

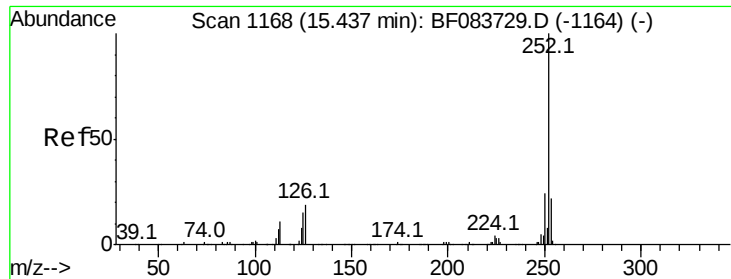
Delta R.T. -0.02 min

Lab File: BF083863.D

Acq: 16 Dec 2015 22:12

Tgt Ion:	252	Resp:	494454
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.6	27.8
125	7.5	11.5	17.3#





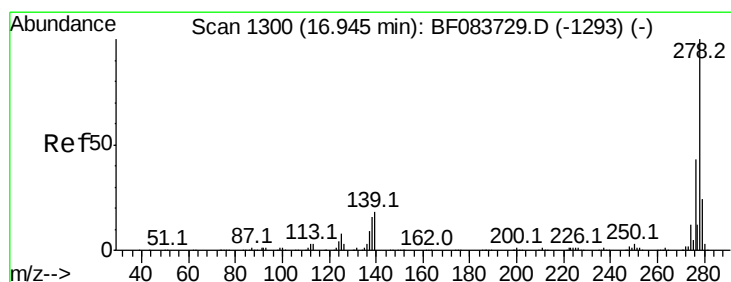
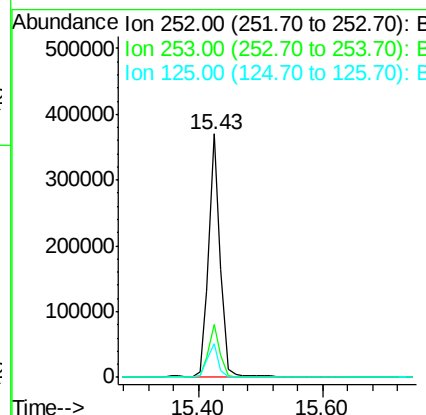
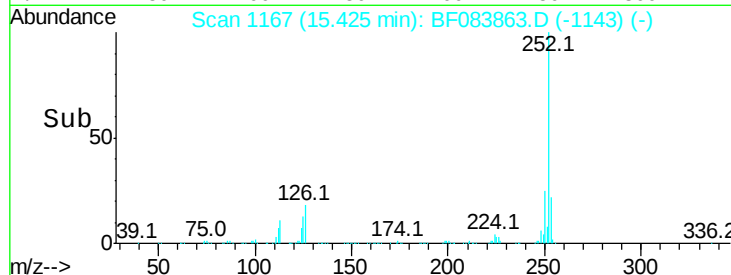
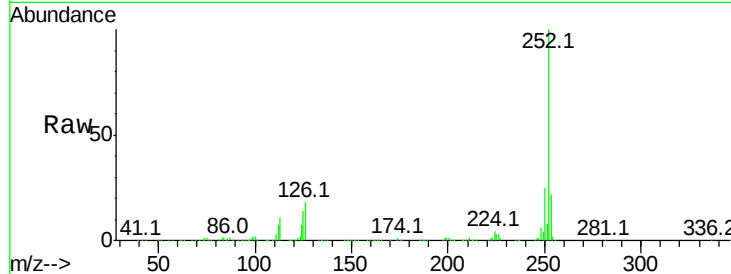
#89
Benzo(a)pyrene
Concen: 48.91 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	13.6	11.0	16.6

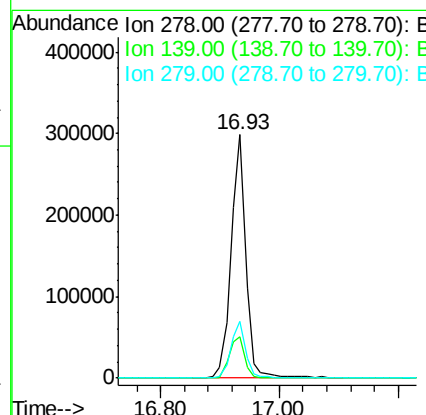
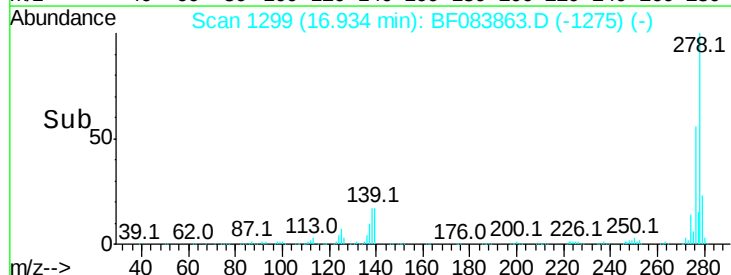
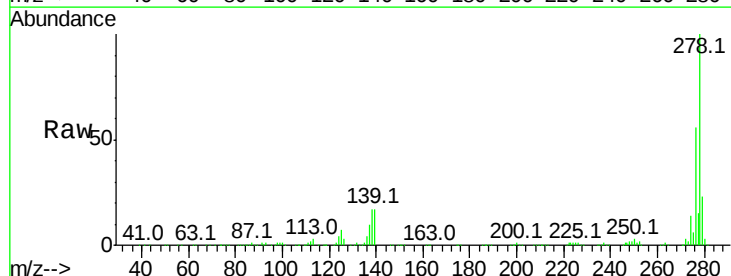
Manual Integrations
APPROVED

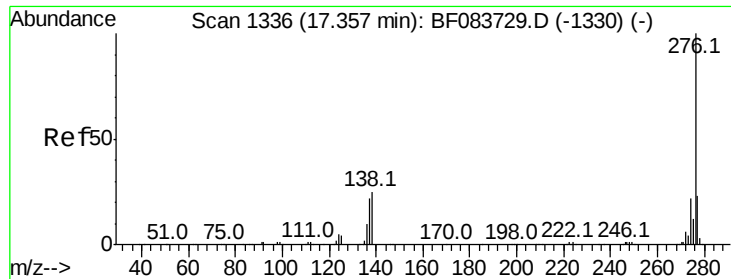
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#90
Dibenzo(a,h)anthracene
Concen: 52.45 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF083863.D
Acq: 16 Dec 2015 22:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.8	19.2
279	23.1	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 53.40 ng
 RT: 17.35 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: BF083863.D
 Acq: 16 Dec 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-C-20150874MSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.8	19.2	28.8
138	25.7	19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
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