

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF082016.D
 Acq On : 3 Oct 2015 11:00
 Operator : UM/IZ
 Sample : G3897-03MSD
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Manual Integrations
 APPROVED

MMDADODA
 10/5/2015 6:29:10 PM

Quant Time: Oct 05 16:27:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	87658	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	333162	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	175809	20.00	ng	-0.03
63) Phenanthrene-d10	11.43	188	357948	20.00	ng	-0.03
75) Chrysene-d12	14.08	240	330311	20.00	ng	-0.03
86) Perylene-d12	15.53	264	258698	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	738438	152.92	ng	-0.03
7) Phenol-d6	6.53	99	977803	160.92	ng	-0.03
23) Nitrobenzene-d5	7.46	82	579333	115.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	271354	152.40	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	988377	96.62	ng	-0.05
78) Terphenyl-d14	13.02	244	1126981	126.98	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.51	88	91368	43.51	ng	89
3) Pyridine	3.25	79	190606	34.86	ng	# 84
4) n-Nitrosodimethylamine	3.20	42	89262	35.95	ng	95
6) Aniline	6.55	93	263033	32.22	ng	# 86
8) 2-Chlorophenol	6.67	128	243449	45.65	ng	99
9) Benzaldehyde	6.43	77	17496	4.40	ng	# 78
10) Phenol	6.54	94	278000	40.79	ng	77
11) bis(2-Chloroethyl)ether	6.63	93	247705	46.86	ng	94
12) 1,3-Dichlorobenzene	6.82	146	250421	39.76	ng	# 92
13) 1,4-Dichlorobenzene	6.90	146	256658	39.02	ng	# 92
14) 1,2-Dichlorobenzene	7.06	146	254100	43.36	ng	98
15) Benzyl Alcohol	7.03	79	173425	39.54	ng	# 74
16) 2,2'-oxybis(1-Chloropropan	7.17	45	311040	41.62	ng	80
17) 2-Methylphenol	7.14	107	190696	44.11	ng	# 86
18) Hexachloroethane	7.41	117	119312	57.95	ng	# 61
19) n-Nitroso-di-n-propylamine	7.30	70	168236	45.56	ng	# 77
20) 3+4-Methylphenols	7.30	107	232418	42.56	ng	# 39
22) Acetophenone	7.30	105	386790	56.78	ng	# 80
24) Nitrobenzene	7.47	77	236689	43.61	ng	# 66
25) Isophorone	7.71	82	492551	49.72	ng	# 88
26) 2-Nitrophenol	7.79	139	129637	49.76	ng	# 65
27) 2,4-Dimethylphenol	7.83	122	216754	47.30	ng	# 80
28) bis(2-Chloroethoxy)methane	7.93	93	277976	47.25	ng	# 94
29) 2,4-Dichlorophenol	8.03	162	223945	50.40	ng	98
30) 1,2,4-Trichlorobenzene	8.11	180	216234	43.59	ng	97
31) Naphthalene	8.21	128	675548	45.76	ng	97
32) Benzoic acid	7.95	122	150796	53.94	ng	# 63
33) 4-Chloroaniline	8.25	127	170390	26.69	ng	# 90
34) Hexachlorobutadiene	8.32	225	130986	44.64	ng	99
35) Caprolactam	8.59	113	113131m	91.96	ng	
36) 4-Chloro-3-methylphenol	8.73	107	200091	46.05	ng	# 80
37) 2-Methylnaphthalene	8.89	142	679008	67.38	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	282367	52.32	ng	98
40) Hexachlorocyclopentadiene	9.04	237	265015	95.35	ng	95

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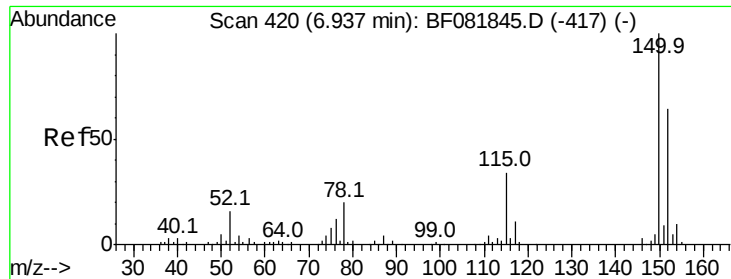
Manual Integrations
 APPROVED

MMDADODA
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	146845	39.69	nq	99
43) 2,4,5-Trichlorophenol	9.22	196	162265	42.64	nq #	93
45) 1,1'-Biphenyl	9.36	154	677129	49.92	nq	94
46) 2-Chloronaphthalene	9.38	162	432202	40.58	nq #	92
47) 2-Nitroaniline	9.49	65	134865	43.14	nq #	80
48) Acenaphthylene	9.81	152	753285	44.19	nq	96
49) Dimethylphthalate	9.67	163	763387	62.91	nq #	98
50) 2,6-Dinitrotoluene	9.73	165	108509	41.18	nq #	58
51) Acenaphthene	9.98	154	523801	51.75	nq	89
52) 3-Nitroaniline	9.90	138	91382	29.98	nq #	72
53) 2,4-Dinitrophenol	10.00	184	117632	86.62	nq #	36
54) Dibenzofuran	10.15	168	676787	47.31	nq #	90
55) 4-Nitrophenol	10.07	139	213232	96.82	nq #	78
56) 2,4-Dinitrotoluene	10.14	165	163552	48.69	nq	95
57) Fluorene	10.49	166	552591	54.46	nq	92
58) 2,3,4,6-Tetrachlorophenol	10.26	232	150582	49.89	nq #	97
59) Diethylphthalate	10.37	149	514584	45.40	nq	99
60) 4-Chlorophenyl-phenylether	10.48	204	247934	47.34	nq #	86
61) 4-Nitroaniline	10.53	138	125474	41.06	nq #	61
62) Azobenzene	10.64	77	524310	47.39	nq	92
64) 4,6-Dinitro-2-methylphenol	10.54	198	78000	48.02	nq	95
65) n-Nitrosodiphenylamine	10.61	169	488620	45.12	nq	93
66) 4-Bromophenyl-phenylether	10.97	248	167925	46.53	nq	99
67) Hexachlorobenzene	11.03	284	162619	39.92	nq #	82
68) Atrazine	11.13	200	177481	52.82	nq	83
69) Pentachlorophenol	11.23	266	226008	97.38	nq	98
70) Phenanthrene	11.45	178	770655	44.73	nq	95
71) Anthracene	11.51	178	867416	47.68	nq	99
72) Carbazole	11.66	167	749723	45.53	nq	94
73) Di-n-butylphthalate	11.99	149	835182	49.95	nq #	98
74) Fluoranthene	12.64	202	858211	44.76	nq	90
76) Benzidine	12.78	184	422610	42.46	nq	97
77) Pyrene	12.87	202	845653	42.86	nq	95
79) Butylbenzylphthalate	13.50	149	394656	53.15	nq	98
80) Benzo(a)anthracene	14.07	228	750540	42.20	nq	96
81) 3,3'-Dichlorobenzidine	14.04	252	269915	44.93	nq #	94
82) Chrysene	14.10	228	798044m	Below Cal		
83) Bis(2-ethylhexyl)phthalate	14.06	149	503210	54.03	nq #	95
84) Di-n-octyl phthalate	14.68	149	882165	58.20	nq #	91
85) Indeno(1,2,3-cd)pyrene	16.98	276	619040	44.49	nq #	87
87) Benzo(b)fluoranthene	15.11	252	621824m	42.10	nq	
88) Benzo(k)fluoranthene	15.14	252	734855m	54.28	nq	
89) Benzo(a)pyrene	15.48	252	625672	48.84	nq #	86
90) Dibenzo(a,h)anthracene	17.01	278	514605	47.87	nq #	82
91) Benzo(g,h,i)perylene	17.43	276	500091	45.40	nq #	76

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

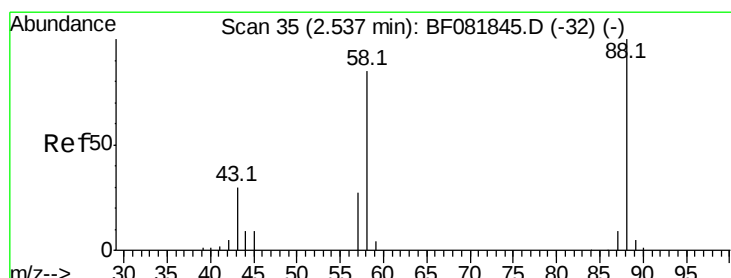
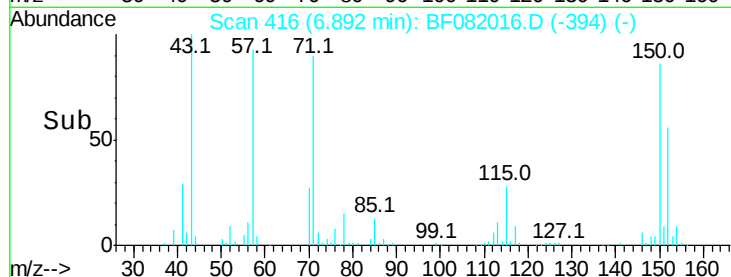
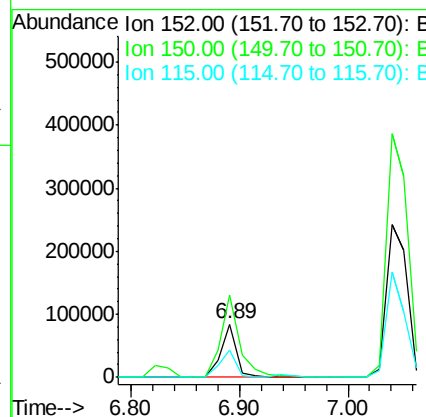
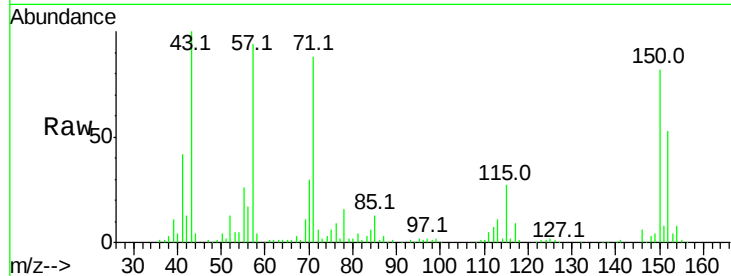
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	152	Resp:	87658
Ion Ratio	Lower	Upper	
152	100		
150	154.2	124.7	187.1
115	50.7	39.0	58.4

Manual Integrations
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#2

1,4-Dioxane

Concen: 43.51 ng

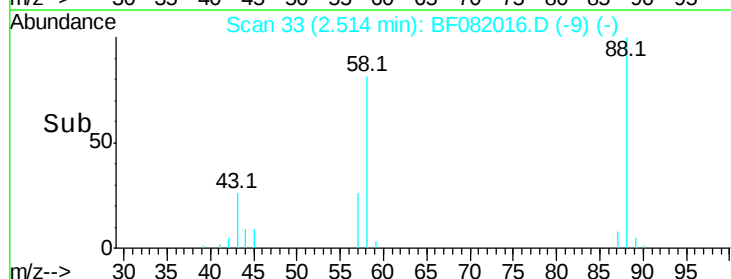
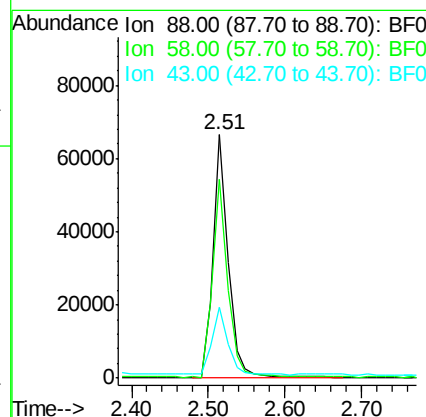
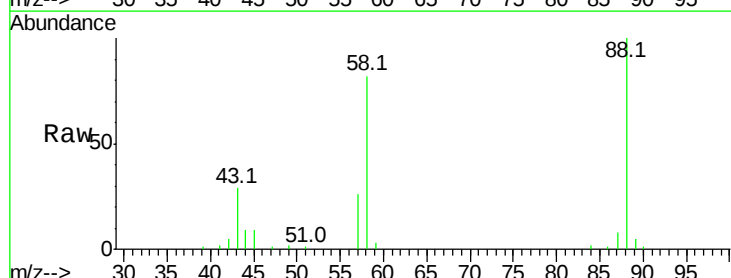
RT: 2.51 min Scan# 33

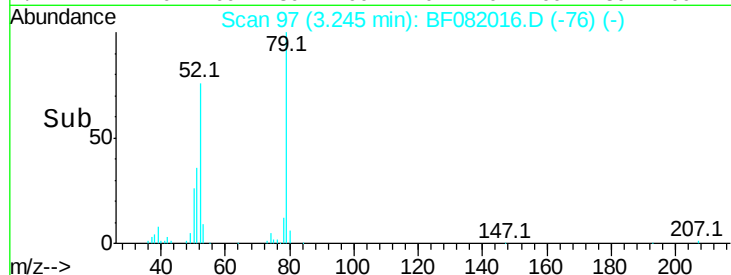
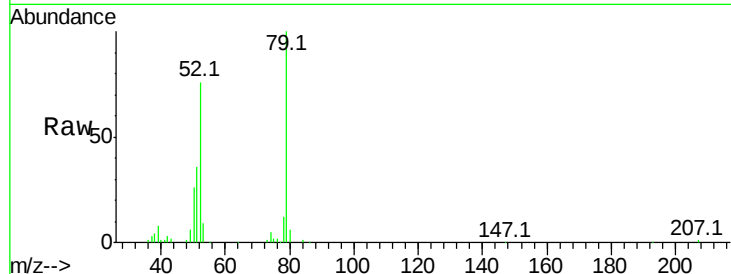
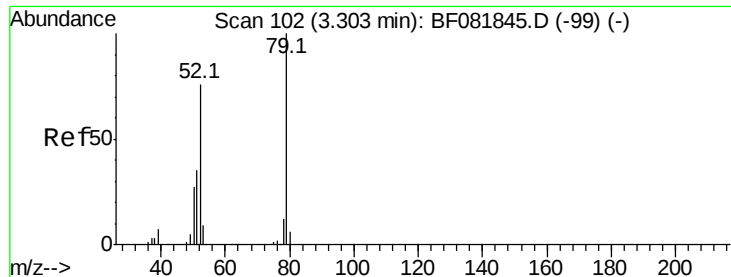
Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	88	Resp:	91368
Ion Ratio	Lower	Upper	
88	100		
58	85.0	77.7	116.5
43	29.1	26.6	40.0





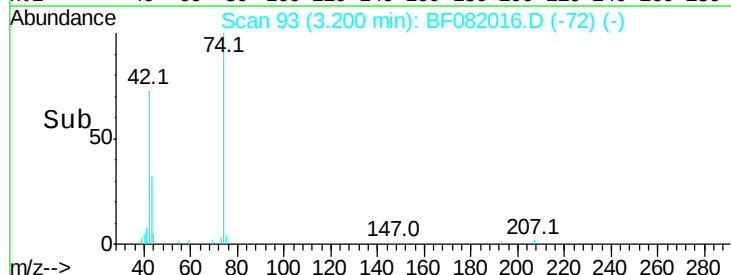
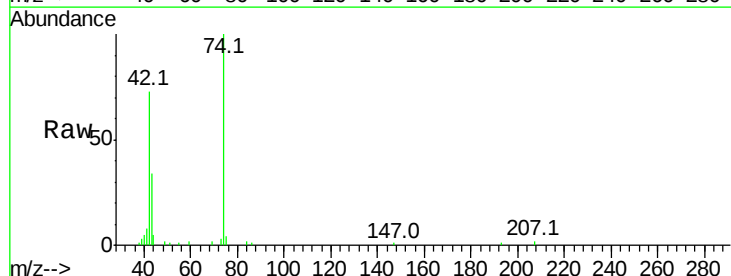
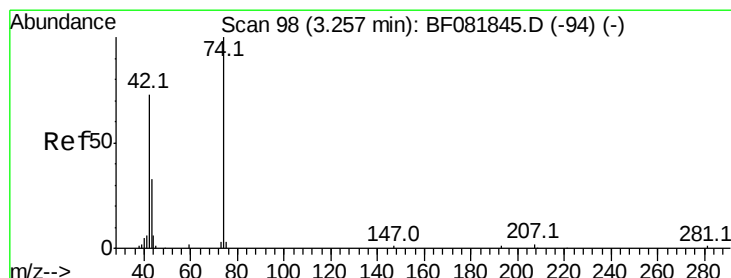
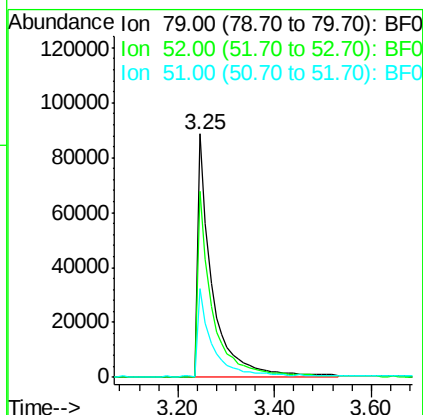
#3
 Pvridine
 Concen: 34.86 ng
 RT: 3.25 min Scan# 97
 Delta R.T. -0.06 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tot Ion	Ratio	Lower	Upper
79	100		
52	76.2	76.8	115.2#
51	36.4	32.2	48.4

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

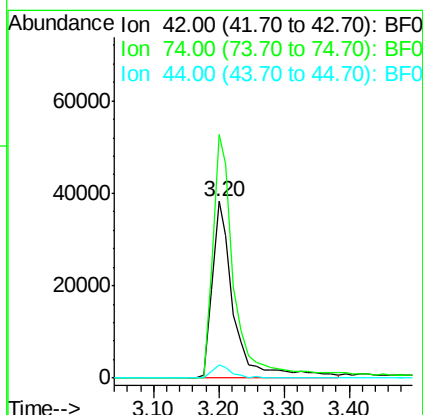
Manual Integrations
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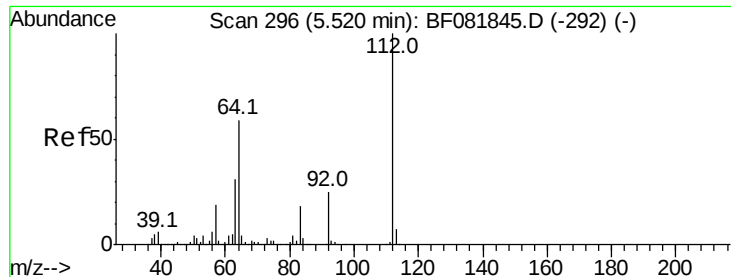
MMDADODA
 10/5/2015 6:29:10 PM



#4
 n-Nitrosodimethylamine
 Concen: 35.95 ng
 RT: 3.20 min Scan# 93
 Delta R.T. -0.06 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
42	100		
74	137.7	105.0	157.6
44	7.2	6.6	10.0





#5

2-Fluorophenol

Concen: 152.92 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

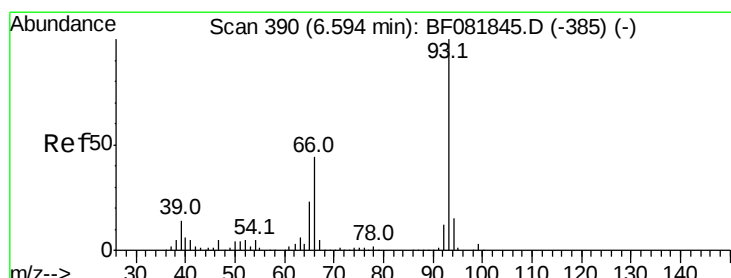
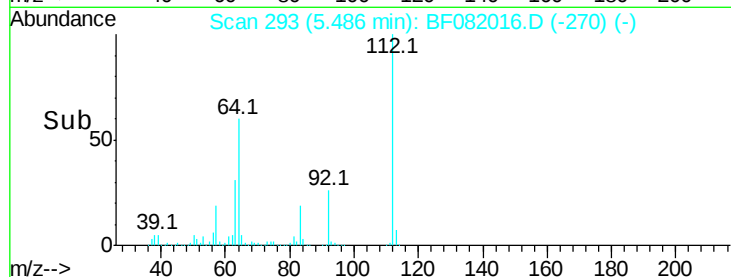
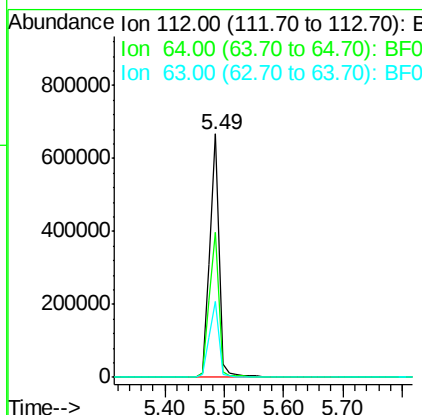
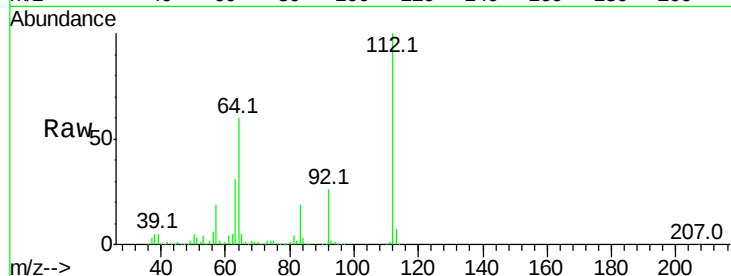
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	738438		
64	59.5	39.7	59.5	
63	31.3	17.4	26.0	

Manual Integrations
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#6

Aniline

Concen: 32.22 ng

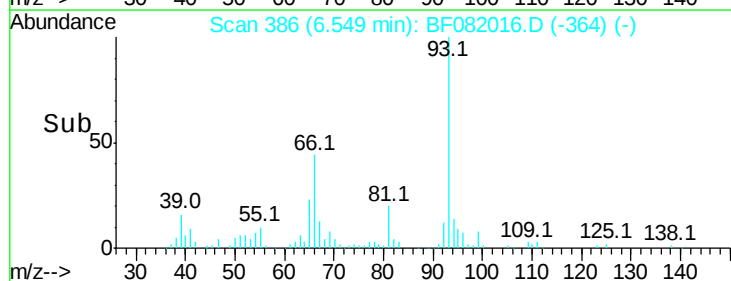
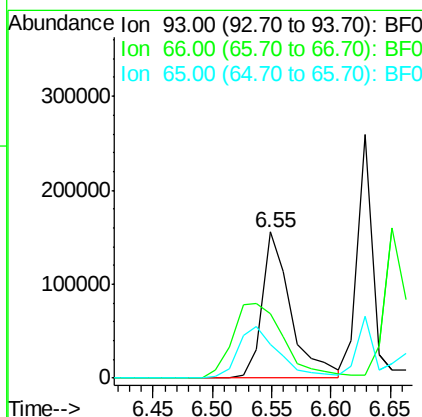
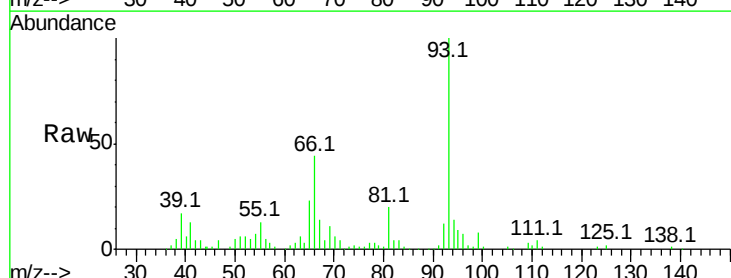
RT: 6.55 min Scan# 386

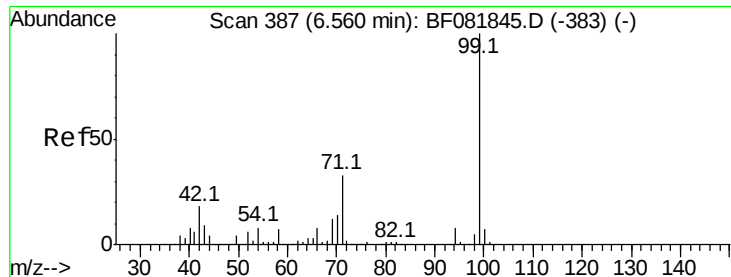
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	263033		
66	43.7	27.2	40.8	#
65	22.8	14.7	22.1	#





#7

Phenol-d6

Concen: 160.92 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

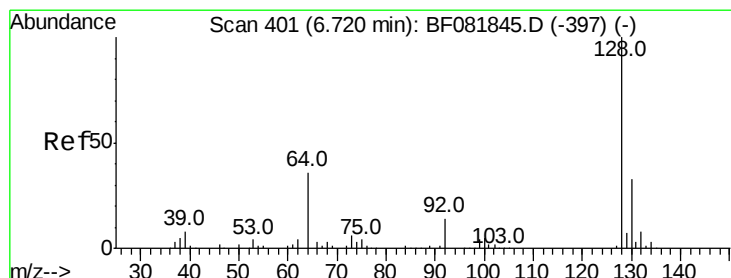
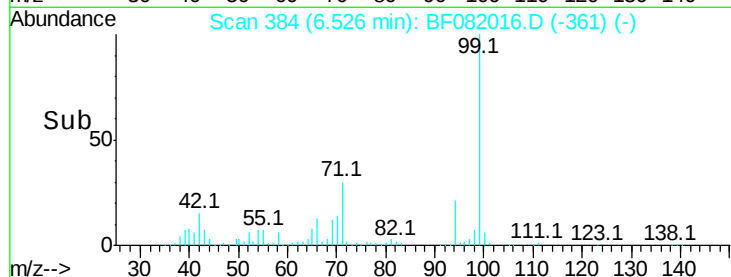
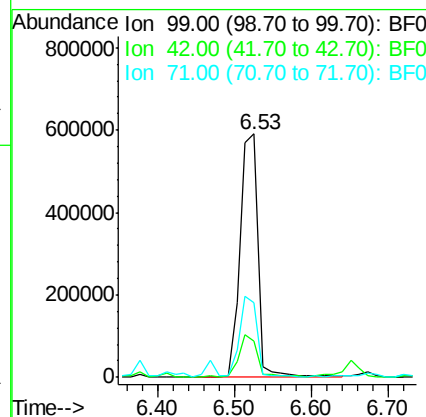
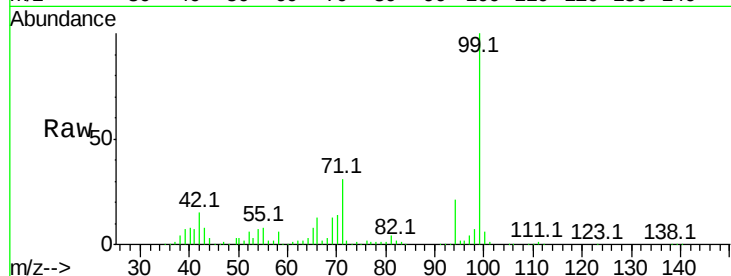
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	99	Resp:	977803
Ion Ratio	Lower	Upper	
99	100		
42	14.7	13.7	20.5
71	30.5	14.2	21.2#

Manual Integrations
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#8

2-Chlorophenol

Concen: 45.65 ng

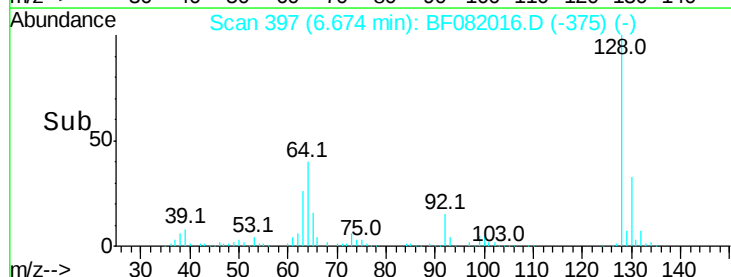
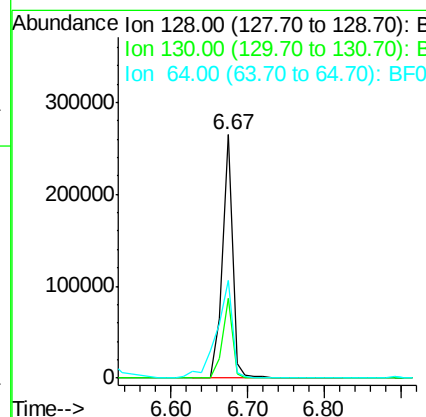
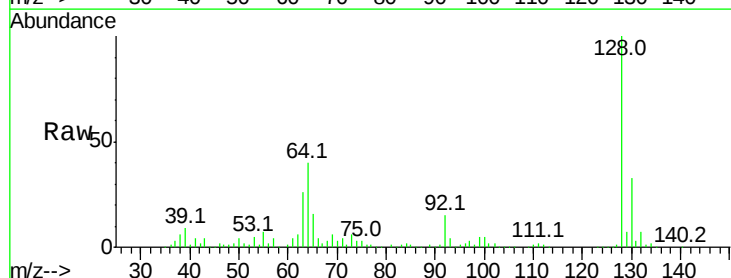
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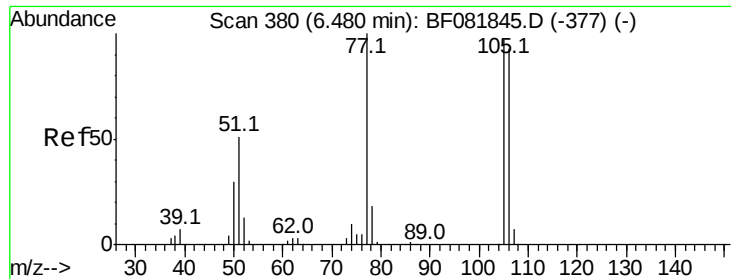
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	128	Resp:	243449
Ion Ratio	Lower	Upper	
128	100		
130	32.8	12.2	52.2
64	39.9	20.5	60.5





#9

Benzaldehyde

Concen: 4.40 ng

RT: 6.43 min Scan# 376

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion: 77 Resp: 17496

Ion Ratio Lower Upper

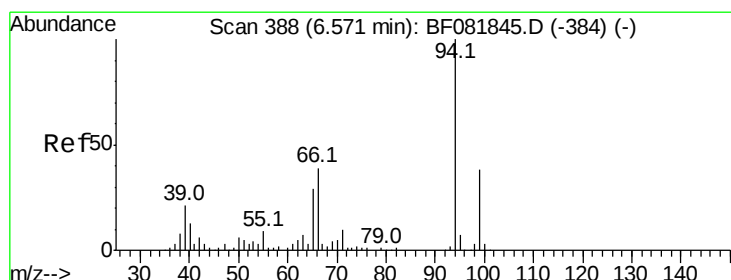
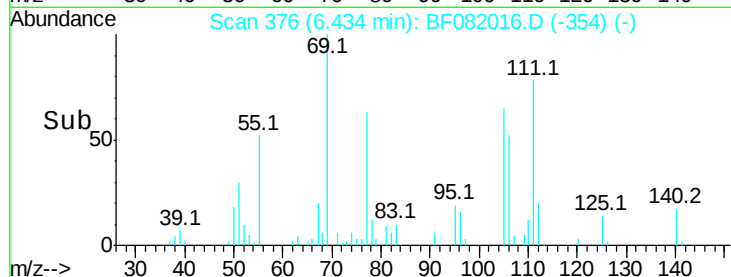
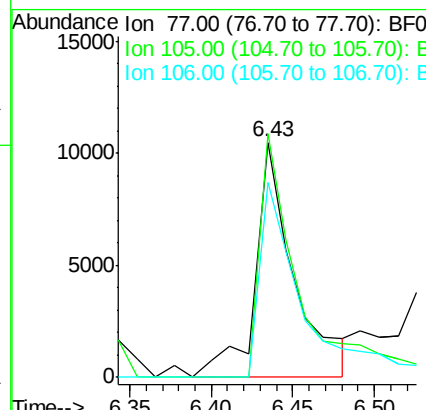
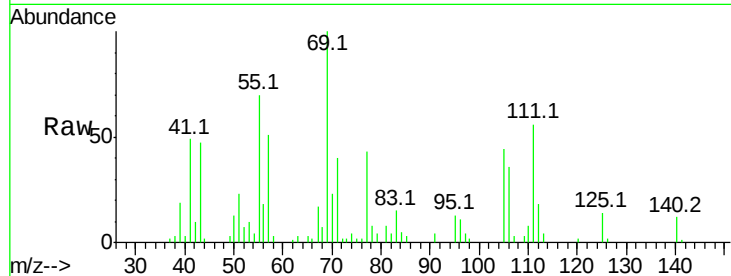
77 100

105 103.7 91.6 131.6

106 82.9 102.6 142.6#

Manual Integrations
APPROVED

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10/5/2015 6:29:10 PM



#10

Phenol

Concen: 40.79 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

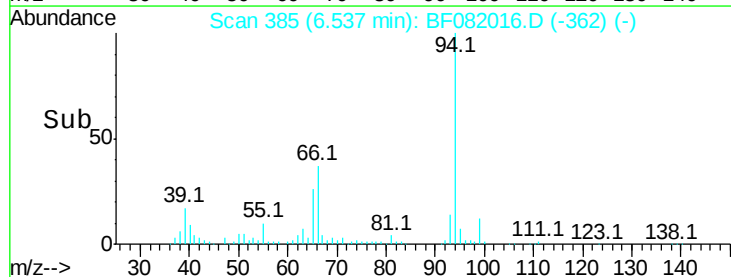
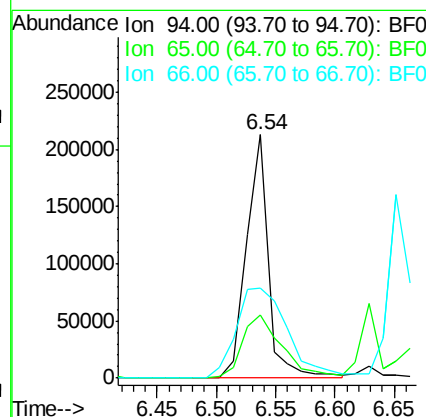
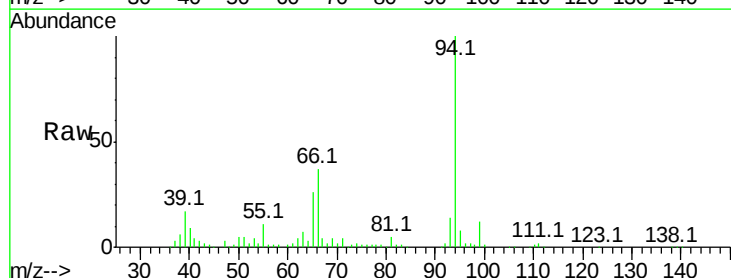
Tgt Ion: 94 Resp: 278000

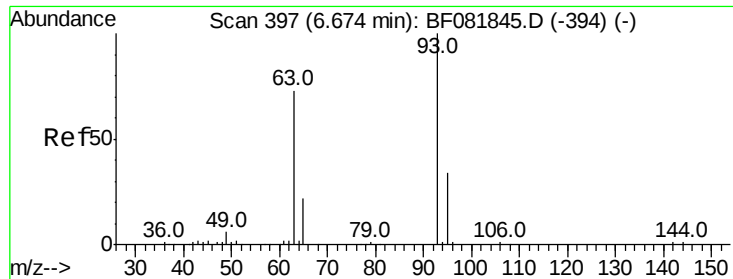
Ion Ratio Lower Upper

94 100

65 25.9 0.7 40.7

66 37.2 0.8 40.8





#11

bis(2-Chloroethyl)ether

Concen: 46.86 ng

RT: 6.63 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

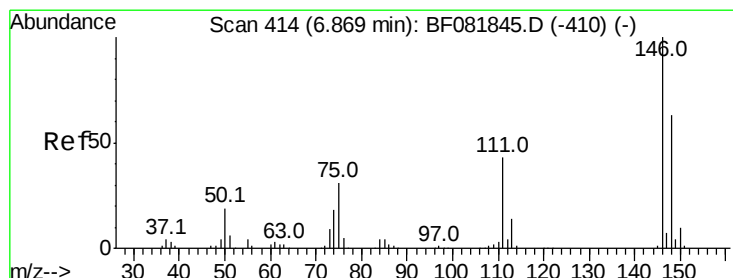
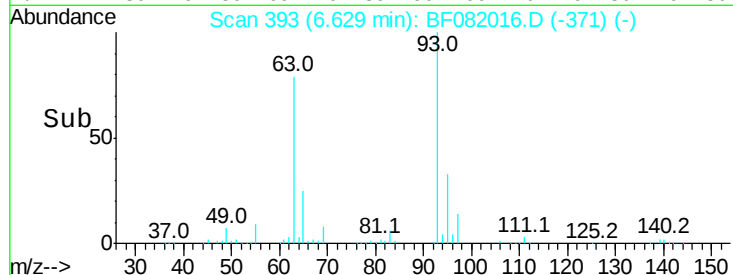
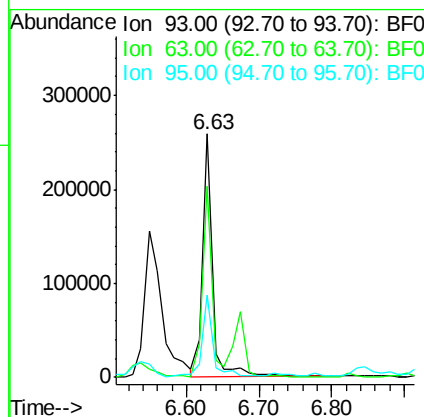
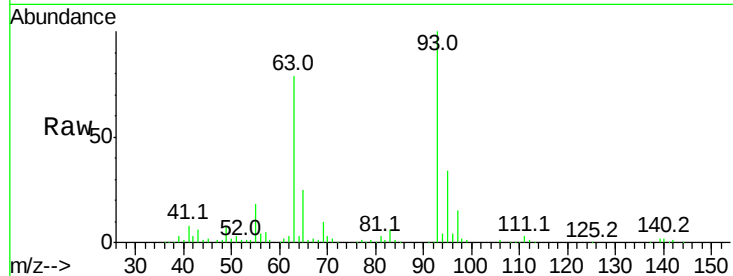
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	93	Resp:	247705
Ion Ratio	Lower	Upper	
93	100		
63	78.7	65.6	105.6
95	33.9	13.6	53.6

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 39.76 ng

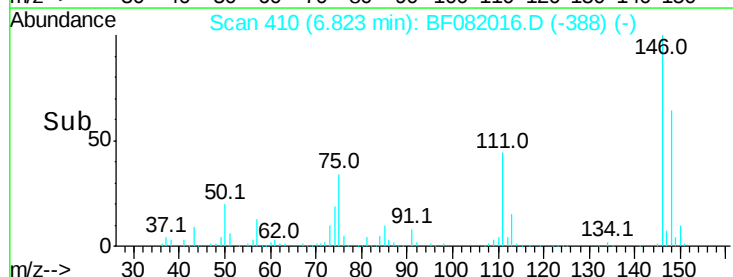
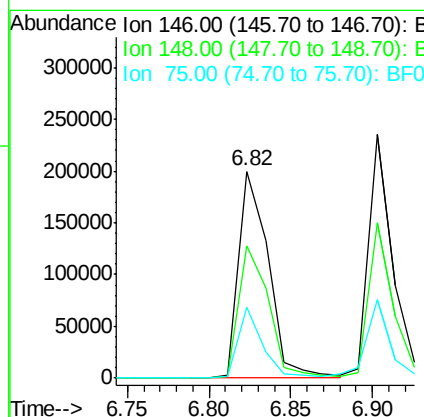
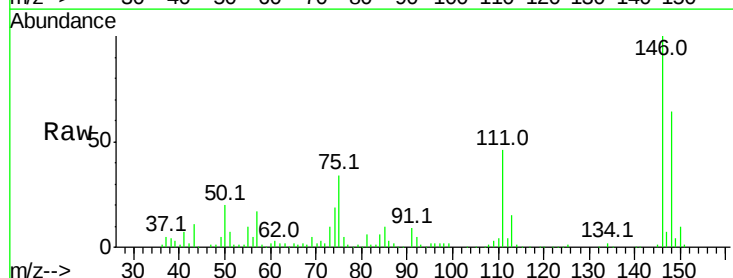
RT: 6.82 min Scan# 410

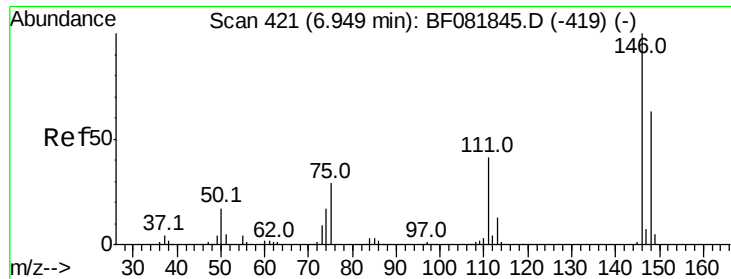
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	146	Resp:	250421
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.0	76.4
75	34.0	15.0	22.6#





#13

1,4-Dichlorobenzene

Concen: 39.02 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

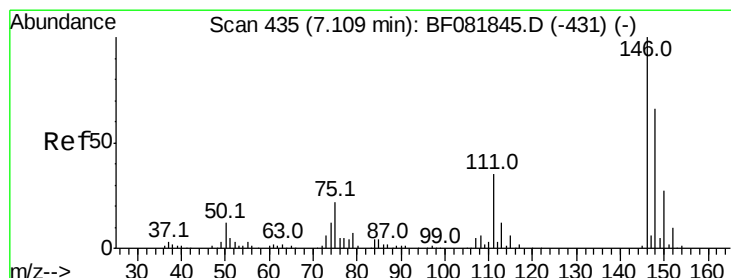
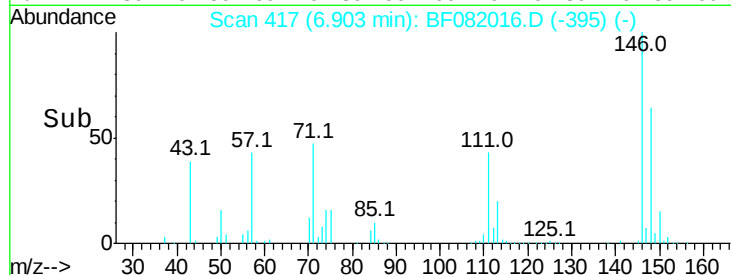
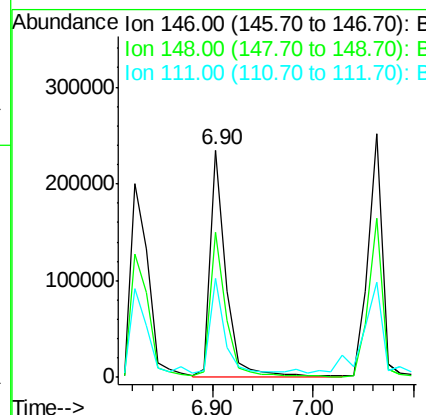
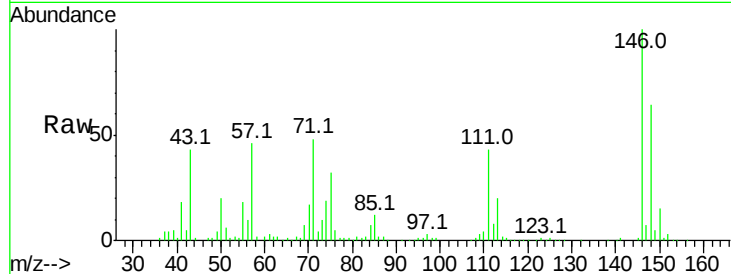
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	146	Resp:	256658
Ion Ratio	Lower	Upper	
146	100		
148	63.7	51.8	77.6
111	43.2	24.9	37.3#

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 43.36 ng

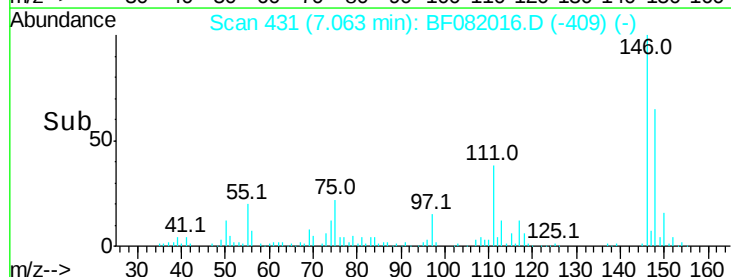
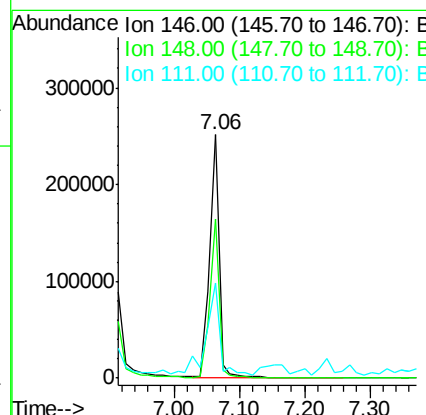
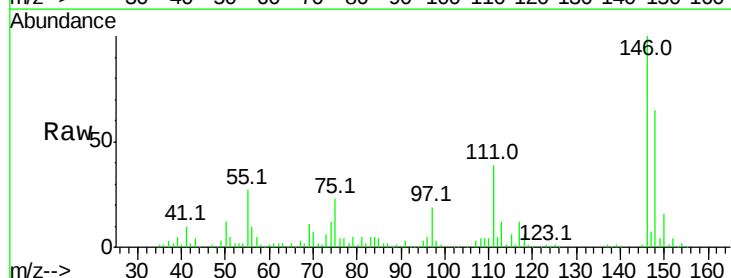
RT: 7.06 min Scan# 431

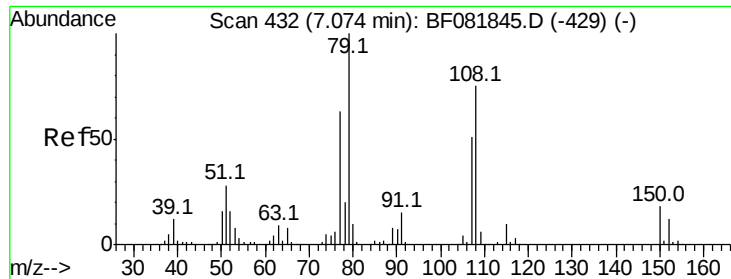
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	146	Resp:	254100
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.7	79.1
111	39.0	28.8	43.2





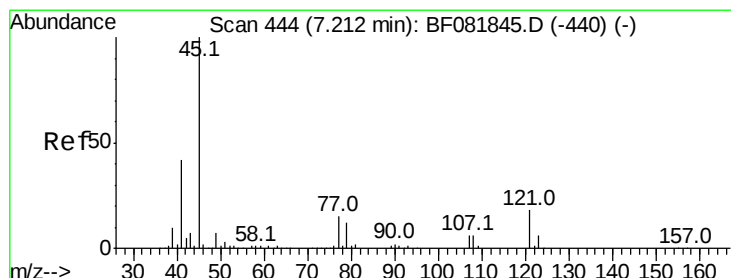
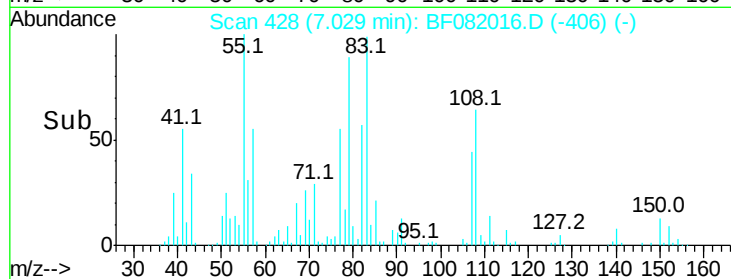
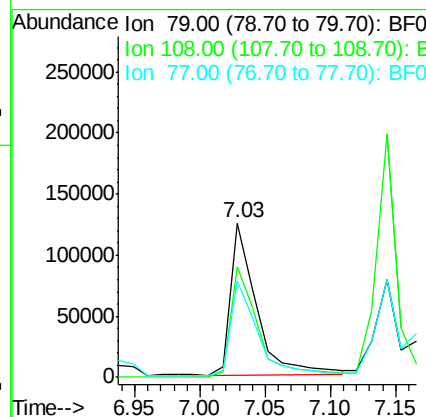
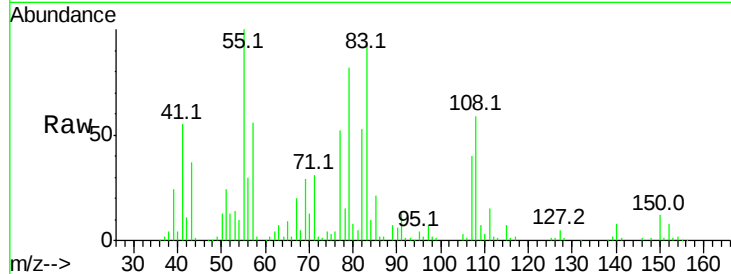
#15
Benzyl Alcohol
Concen: 39.54 ng
RT: 7.03 min Scan# 428
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.9	88.6	132.8#
77	62.7	47.0	70.4

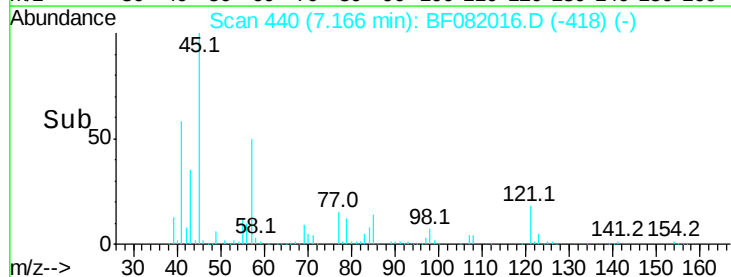
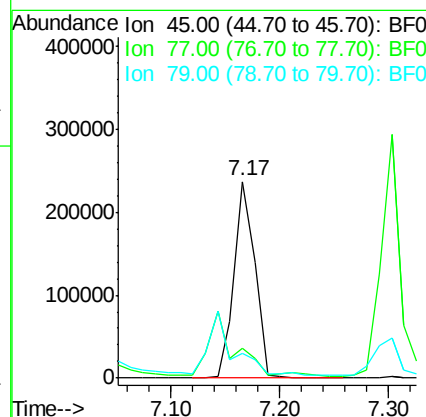
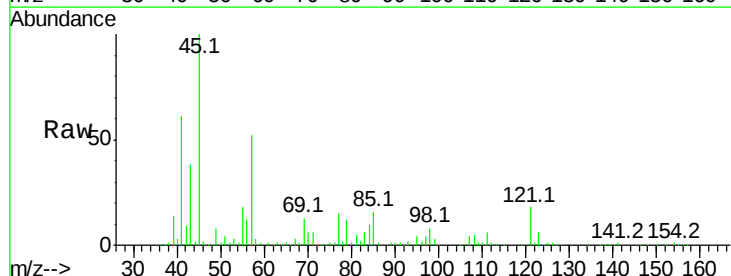
Manual Integrations
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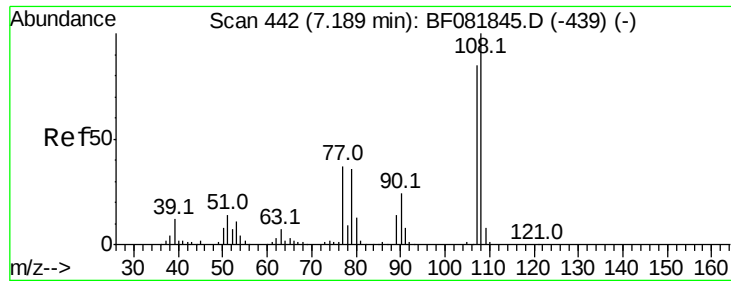
MMDADODA
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#16
2,2'-oxybis(1-chloropropane)
Concen: 41.62 ng
RT: 7.17 min Scan# 440
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	28.1
79	12.3	0.0	26.0





#17

2-Methylphenol

Concen: 44.11 ng

RT: 7.14 min Scan# 438

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

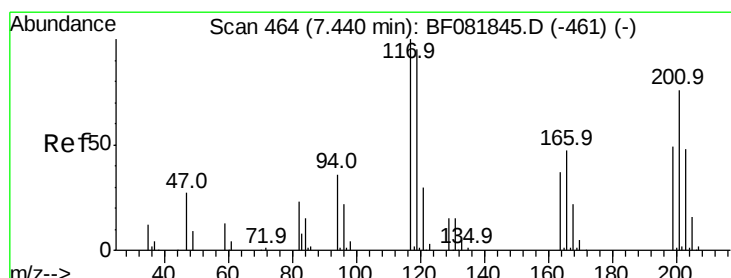
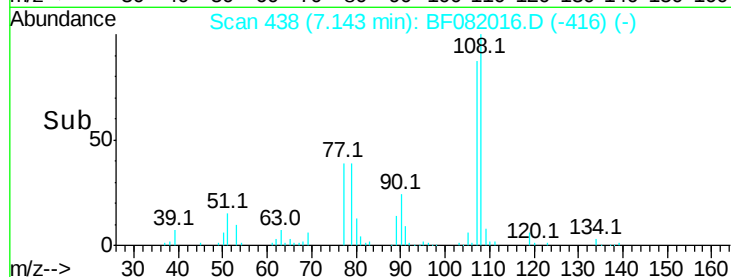
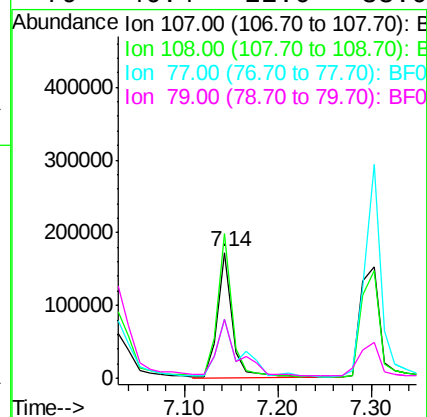
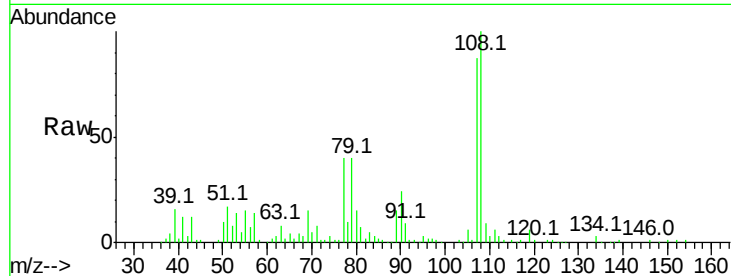
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	190696		
108	115.4	96.6	145.0	
77	46.5	23.3	34.9#	
79	46.4	22.0	33.0#	

Manual Integrations
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#18

Hexachloroethane

Concen: 57.95 ng

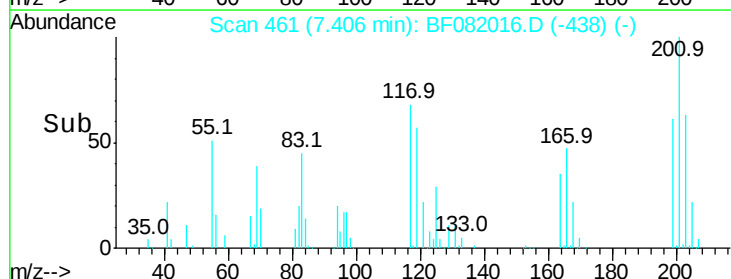
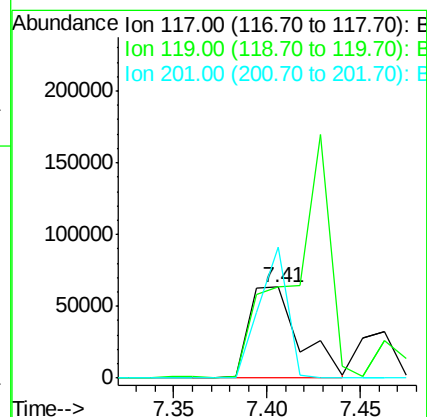
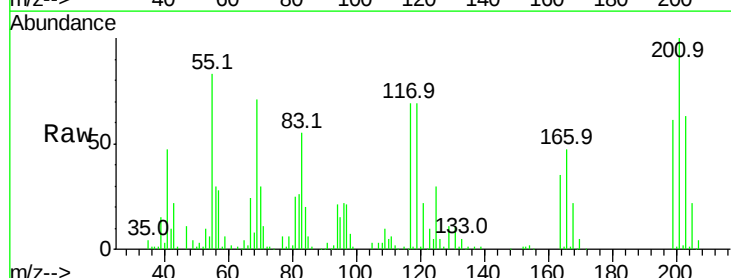
RT: 7.41 min Scan# 461

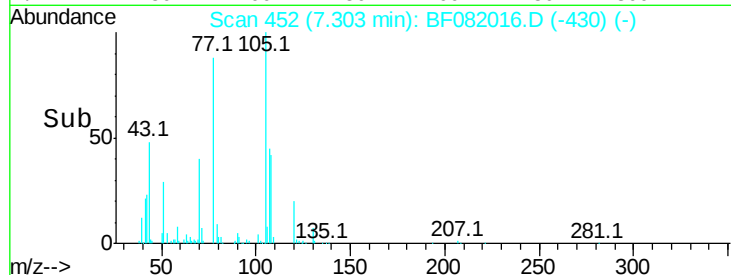
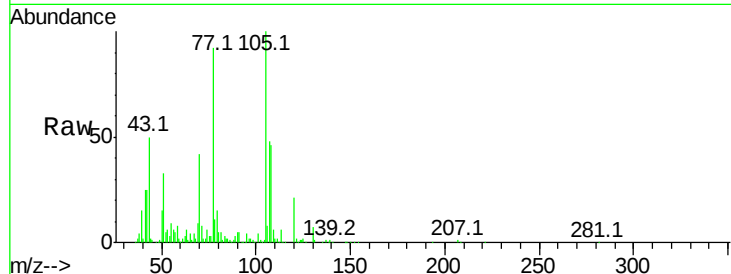
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	119312		
119	100.3	83.8	125.6	
201	144.4	55.1	82.7#	





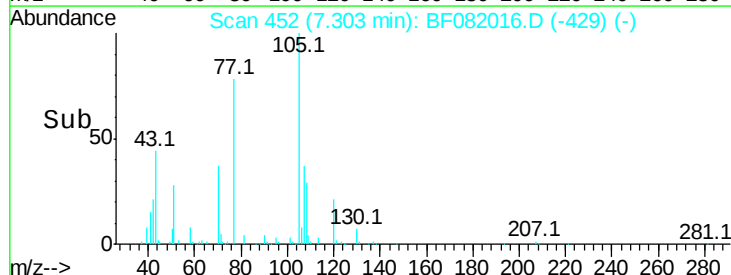
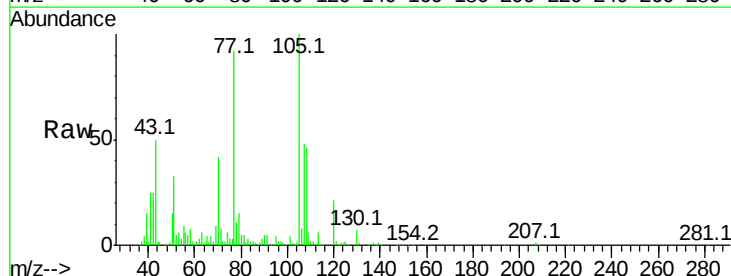
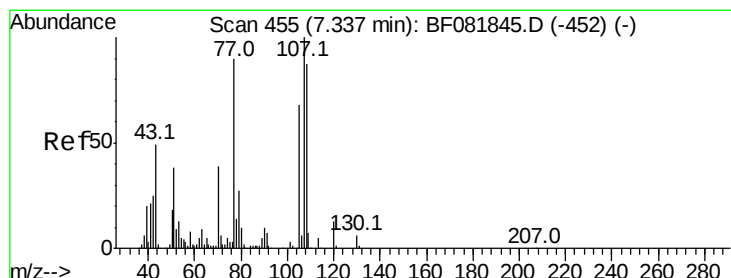
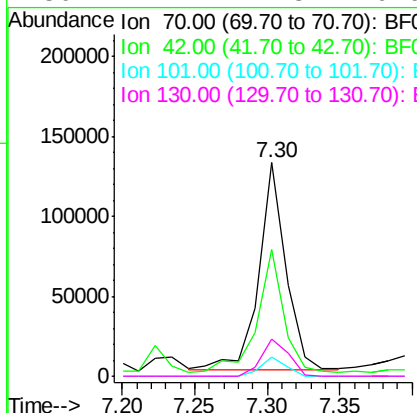
#19
n-Nitroso-di-n-propylamine
Concen: 45.56 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.2	63.8	95.6#
101	8.8	9.2	13.8#
130	17.4	27.3	40.9#

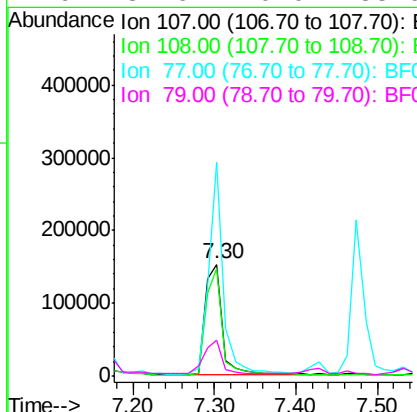
Manual Integrations
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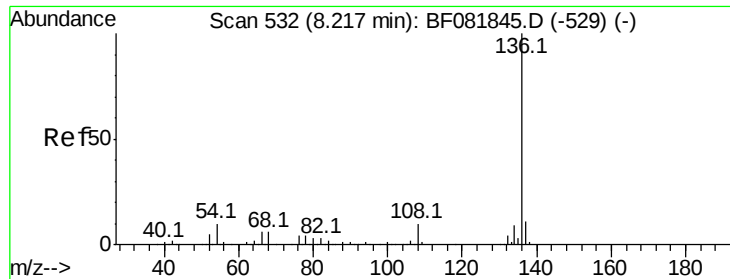
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#20
3+4-Methylphenols
Concen: 42.56 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.0	74.6	114.6
77	191.2	0.7	40.7#
79	31.6	0.0	38.9





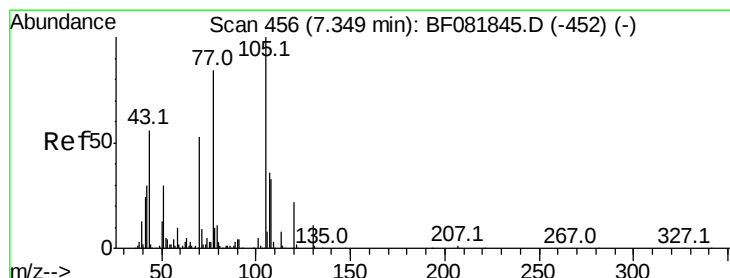
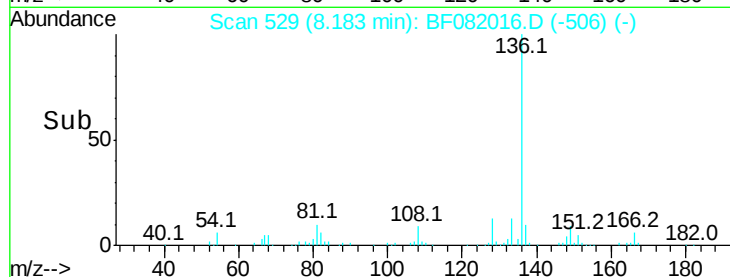
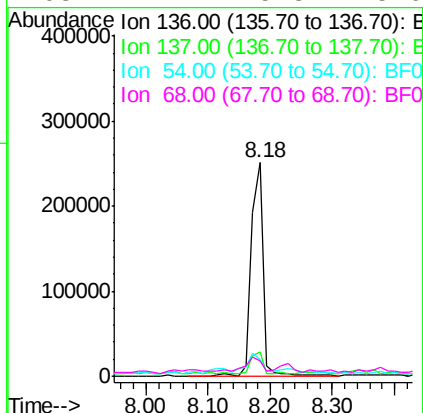
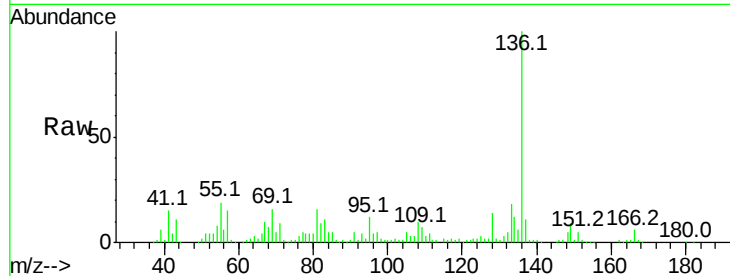
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.0	13.6	
54	8.1	8.2	12.2#	
68	7.2	5.8	8.6	

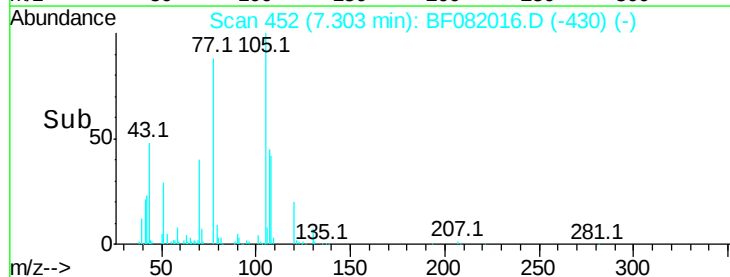
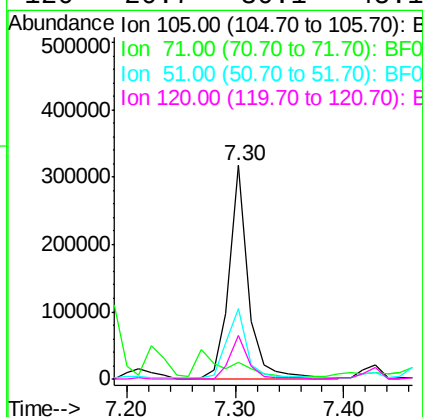
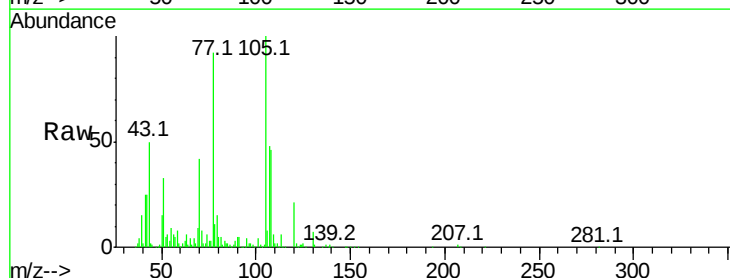
Manual Integrations
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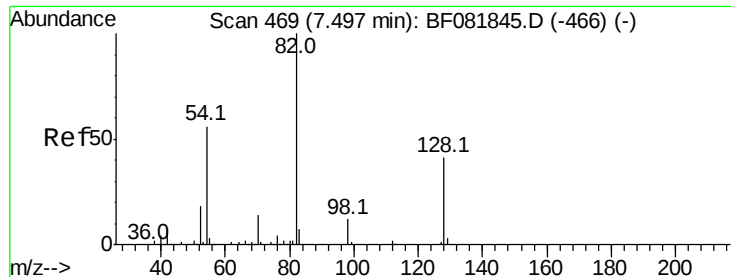
MMDADODA
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#22
Acetophenone
Concen: 56.78 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.7	4.7	7.1#	
51	33.3	22.0	33.0#	
120	20.7	30.1	45.1#	





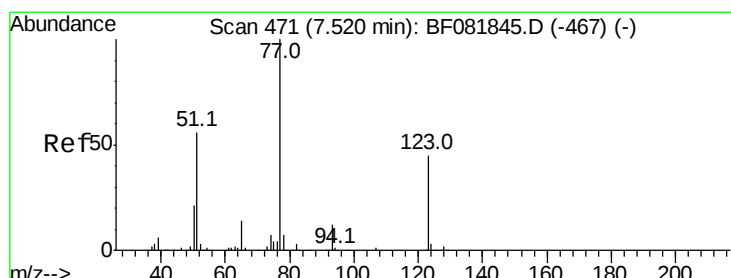
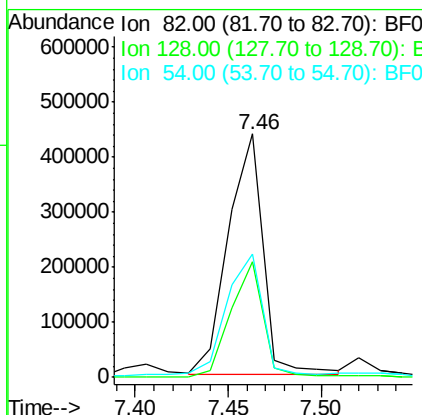
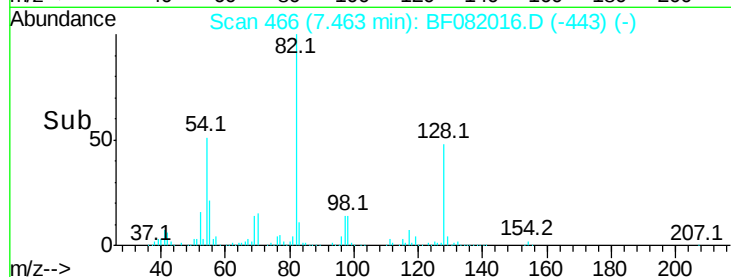
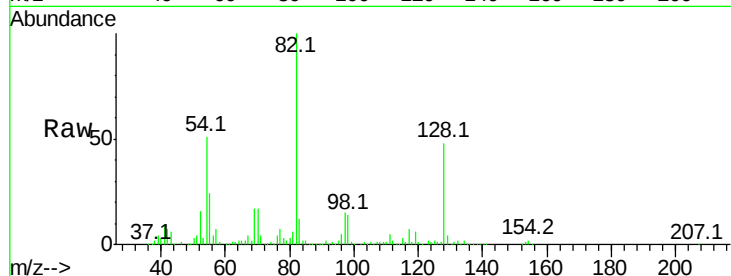
#23
Nitrobenzene-d5
Concen: 115.91 ng
RT: 7.46 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	51.0	76.6#
54	50.5	47.5	71.3

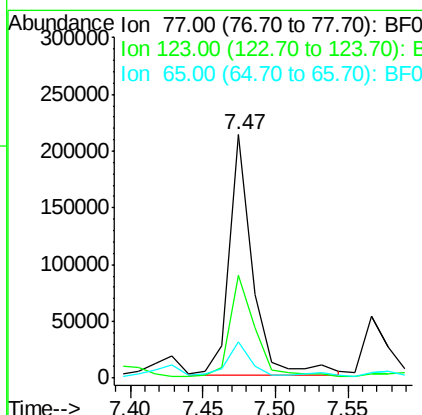
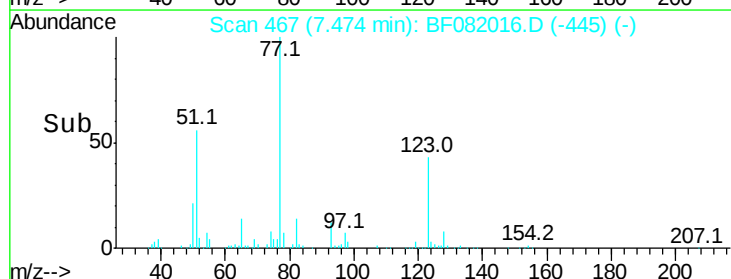
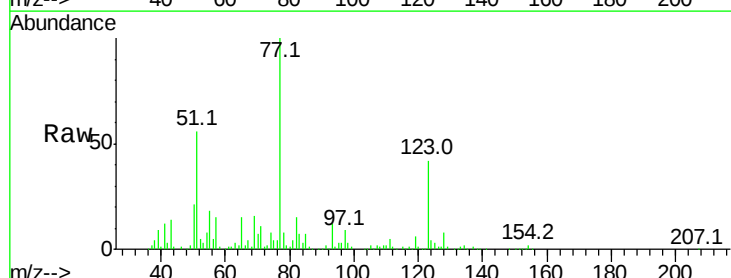
Manual Integrations
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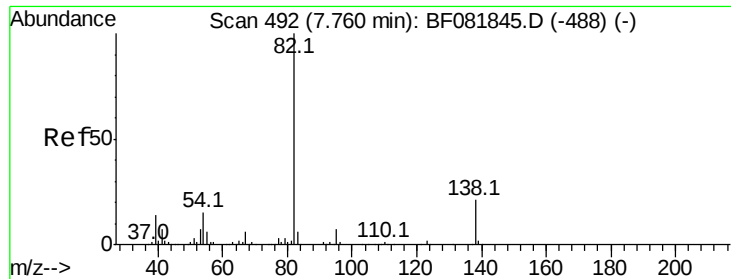
MMDADODA
10/5/2015 6:29:10 PM



#24
Nitrobenzene
Concen: 43.61 ng
RT: 7.47 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.0	59.8	89.8#
65	14.6	10.2	15.4





#25

Isophorone

Concen: 49.72 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

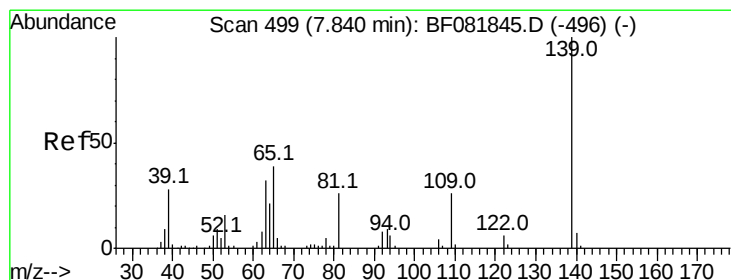
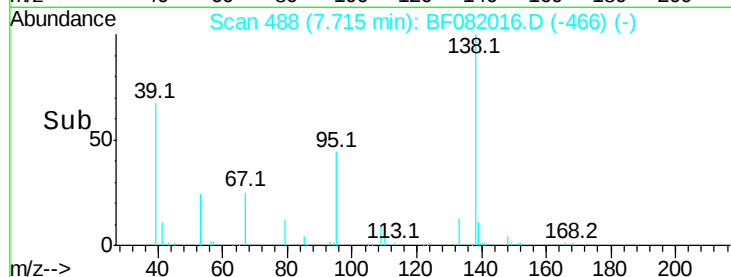
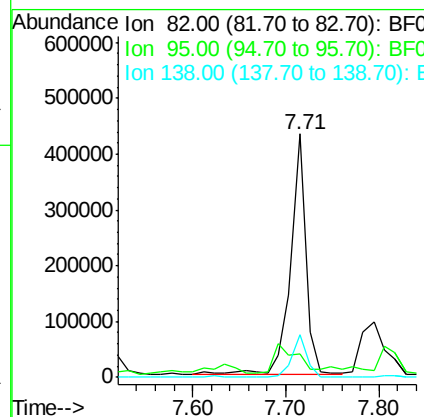
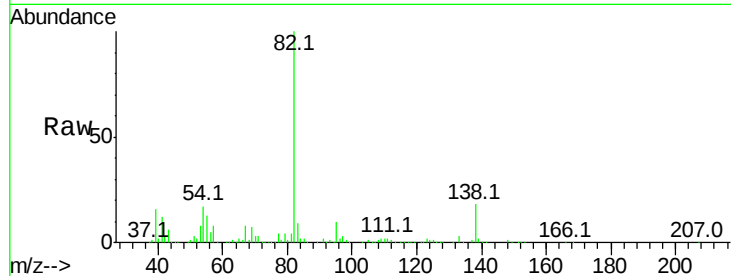
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	9.7	4.0	6.0#	
138	17.6	18.3	27.5#	

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.76 ng

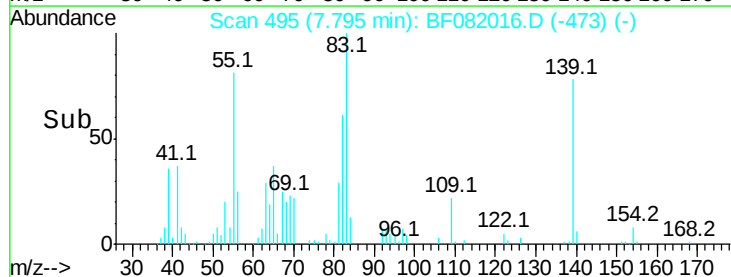
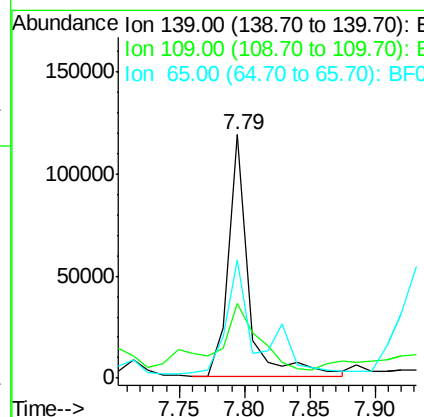
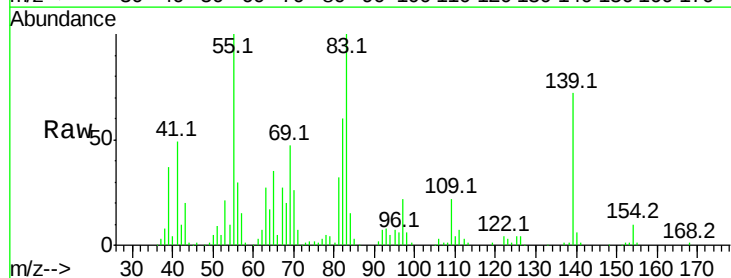
RT: 7.79 min Scan# 495

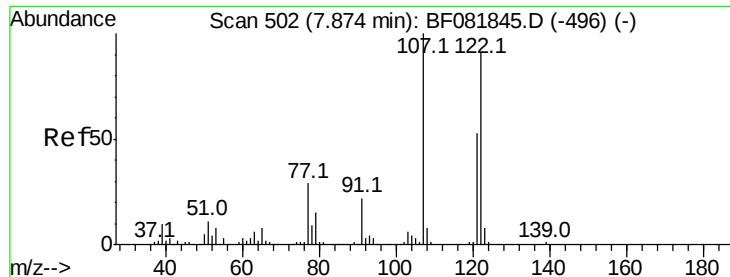
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	30.4	11.0	16.4#	
65	48.4	24.7	37.1#	





#27

2,4-Dimethylphenol

Concen: 47.30 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

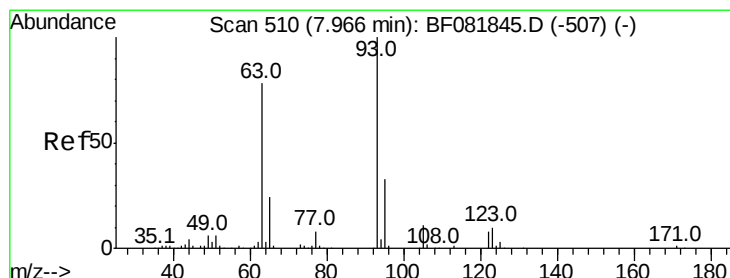
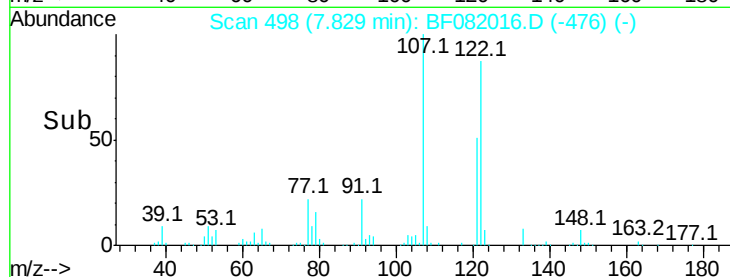
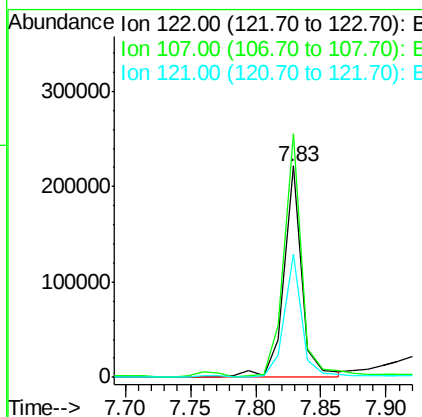
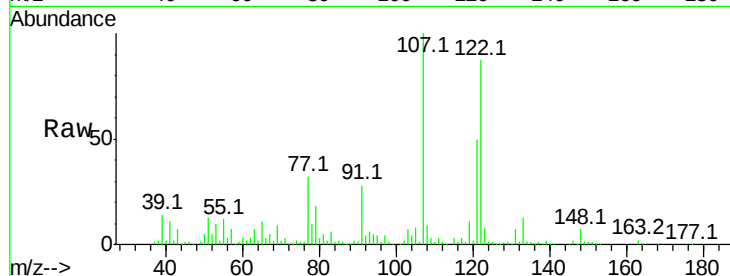
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	122	Resp:	216754
Ion Ratio	Lower	Upper	
122	100		
107	115.4	71.8	107.6#
121	58.2	42.3	63.5

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#28

bis(2-Chloroethoxy)methane

Concen: 47.25 ng

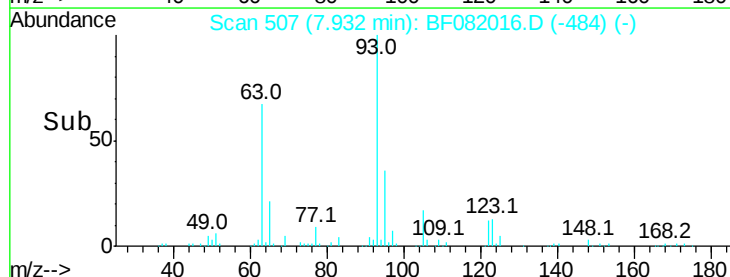
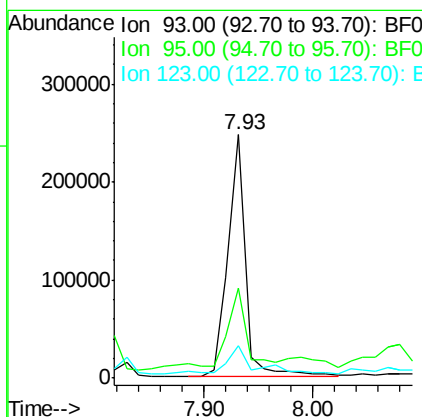
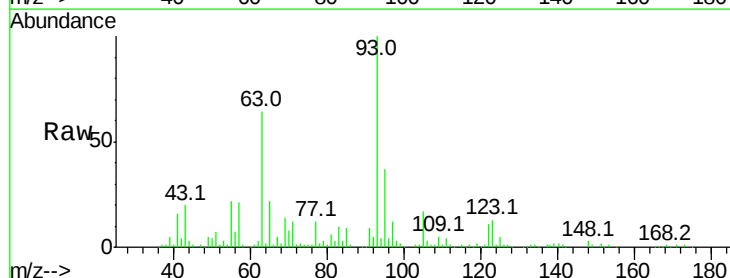
RT: 7.93 min Scan# 507

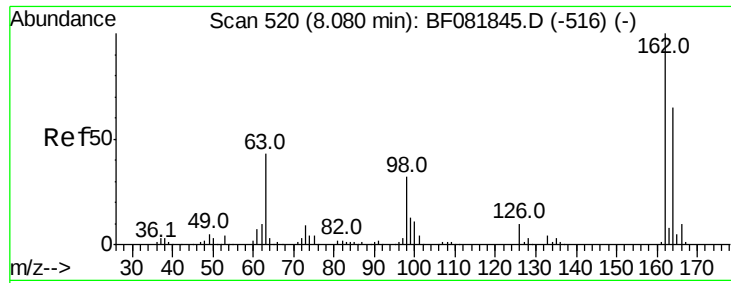
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	93	Resp:	277976
Ion Ratio	Lower	Upper	
93	100		
95	36.8	27.5	41.3
123	13.4	13.7	20.5#





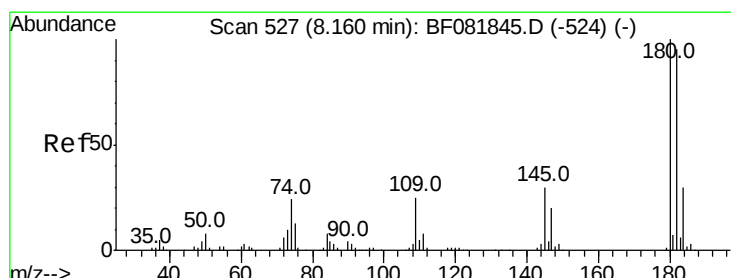
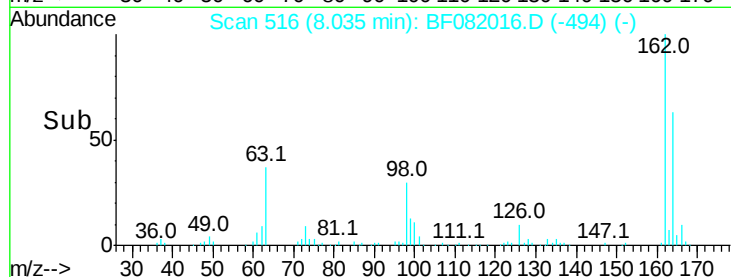
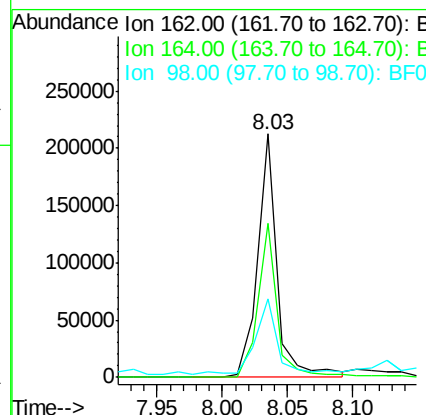
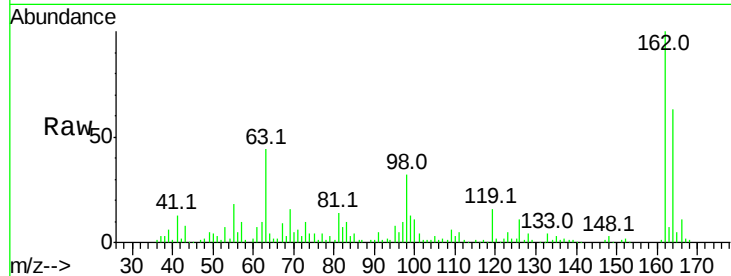
#29
 2,4-Dichlorophenol
 Concen: 50.40 ng
 RT: 8.03 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	223945		
164	63.2	44.9	84.9	
98	32.3	13.0	53.0	

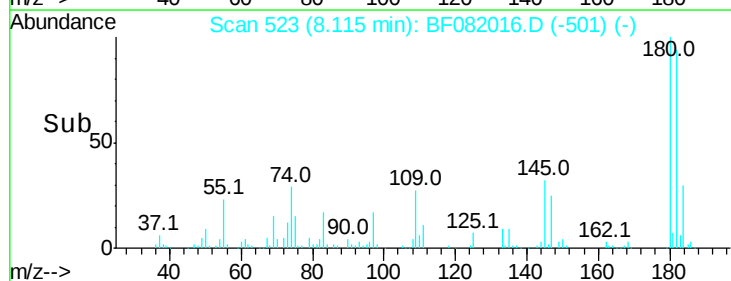
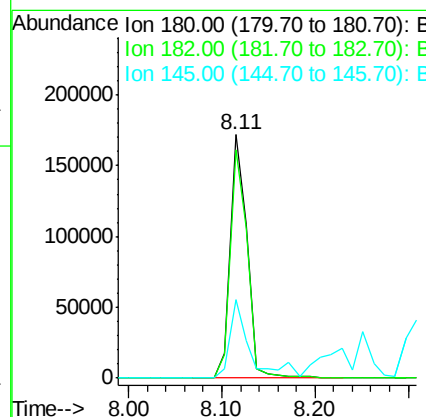
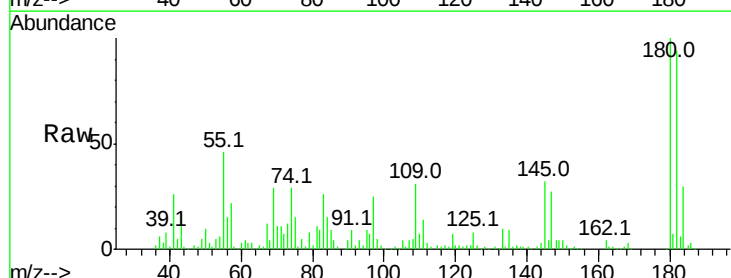
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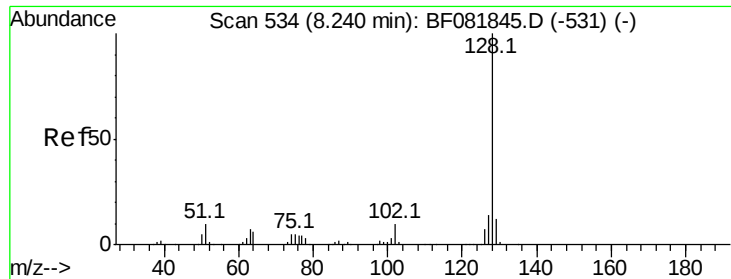
MMDADODA
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#30
 1,2,4-Trichlorobenzene
 Concen: 43.59 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	216234		
182	94.0	77.1	115.7	
145	32.4	23.3	34.9	





#31

Naphthalene

Concen: 45.76 ng

RT: 8.21 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

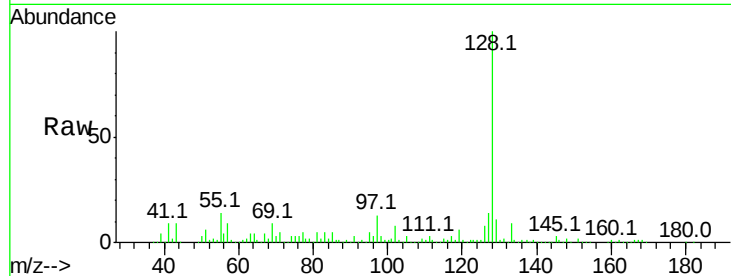
ClientSampleId :

B-2D(3.5-4)MSD

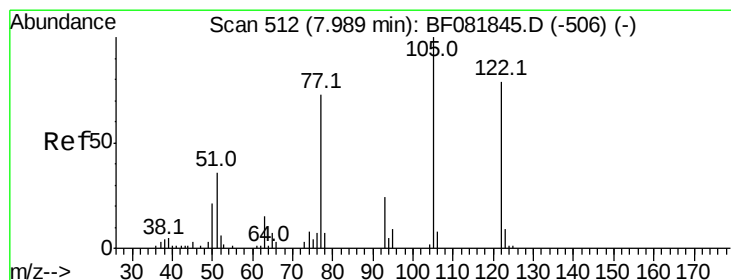
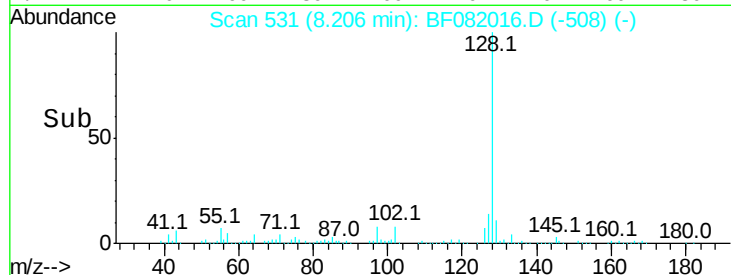
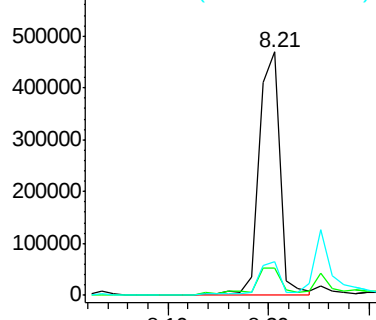
Tot Ion:	128	Resp:	675548
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.4	12.6
127	13.7	9.9	14.9

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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: 53.94 ng

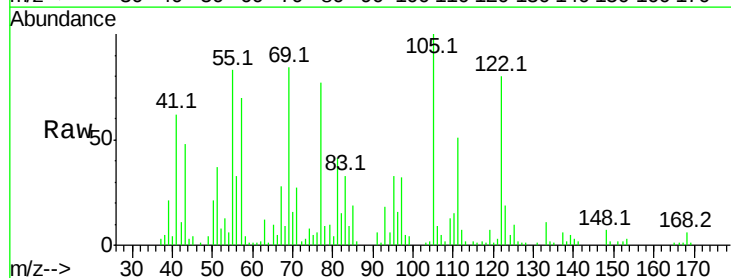
RT: 7.95 min Scan# 509

Delta R.T. -0.03 min

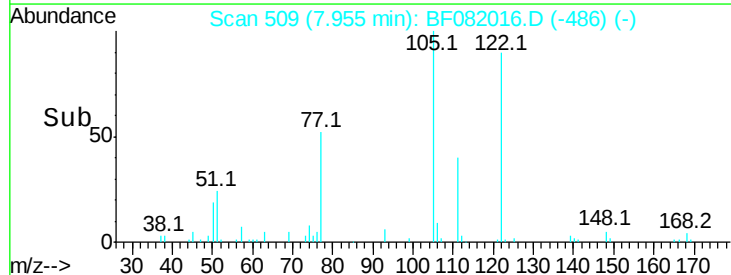
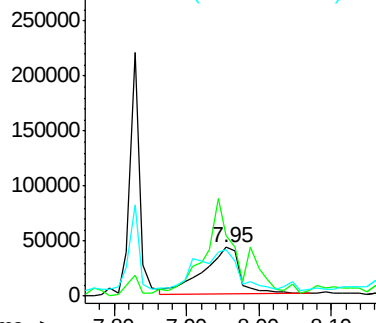
Lab File: BF082016.D

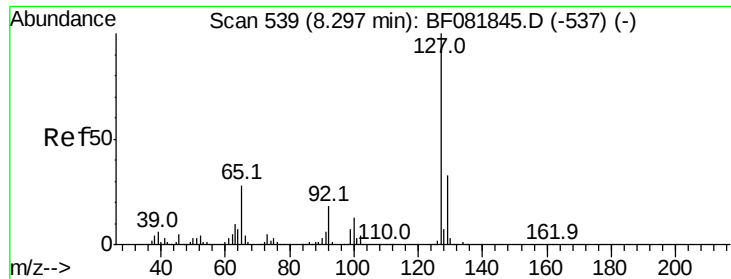
Acq: 3 Oct 2015 11:00

Tgt Ion:	122	Resp:	150796
Ion Ratio	Lower	Upper	
122	100		
105	125.4	76.1	116.1#
77	96.3	40.5	80.5#



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





#33

4-Chloroaniline

Concen: 26.69 ng

RT: 8.25 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

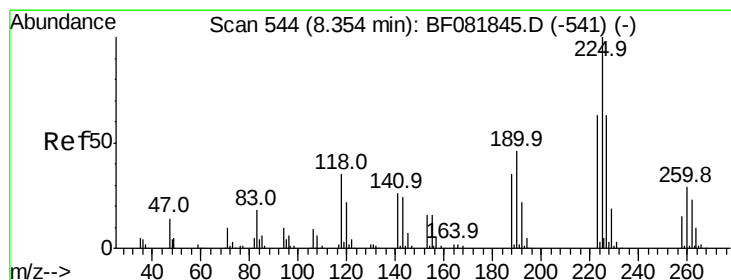
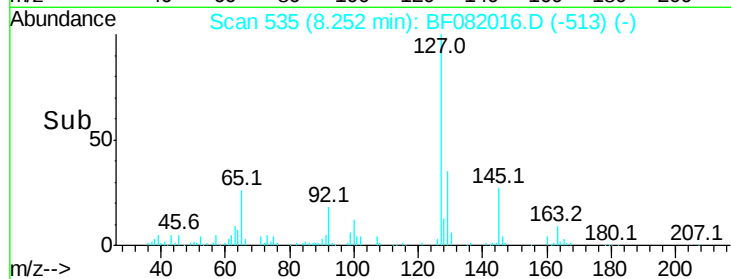
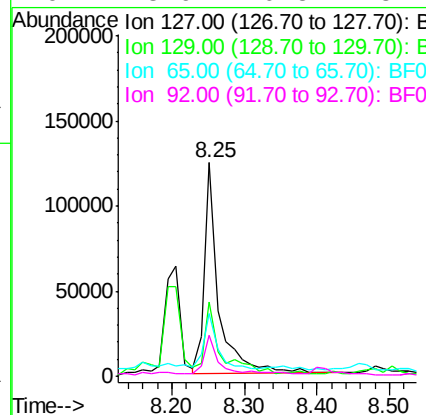
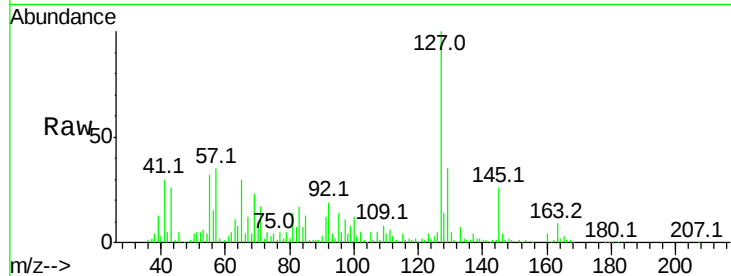
ClientSampleId :

B-2D(3.5-4)MSD

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Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.8	25.8	38.6	
65	29.5	17.9	26.9	
92	18.9	10.5	15.7	



#34

Hexachlorobutadiene

Concen: 44.64 ng

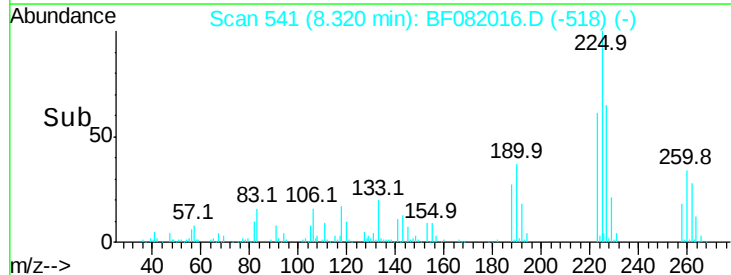
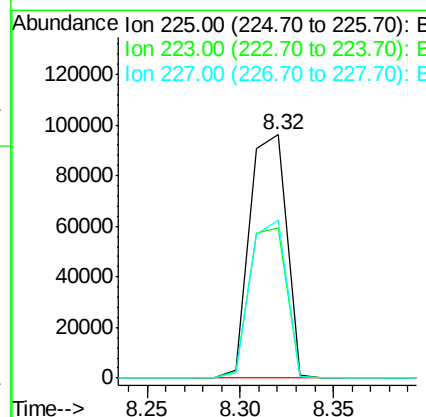
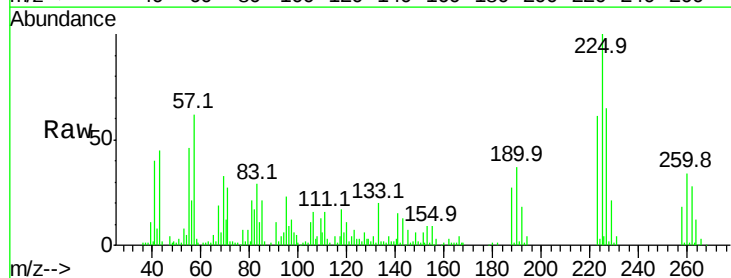
RT: 8.32 min Scan# 541

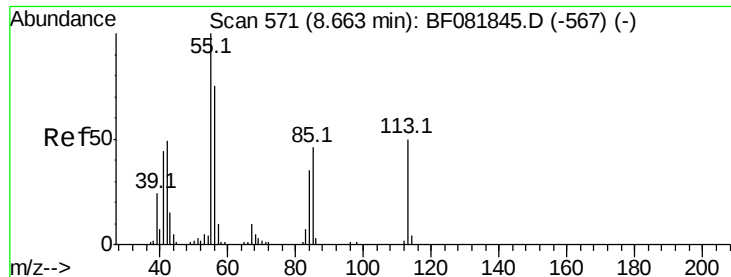
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	50.2	75.2	
227	65.1	52.2	78.2	





#35

Caprolactam

Concen: 91.96 ng/ml

RT: 8.59 min Scan# 565

Delta R.T. -0.07 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

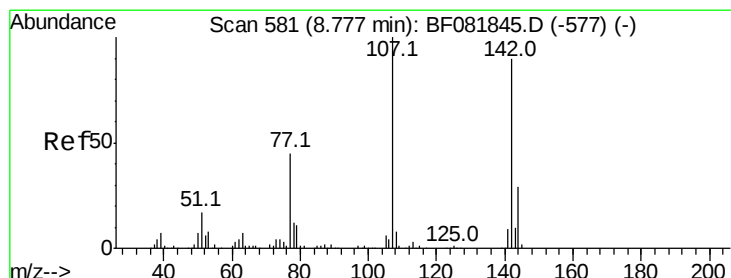
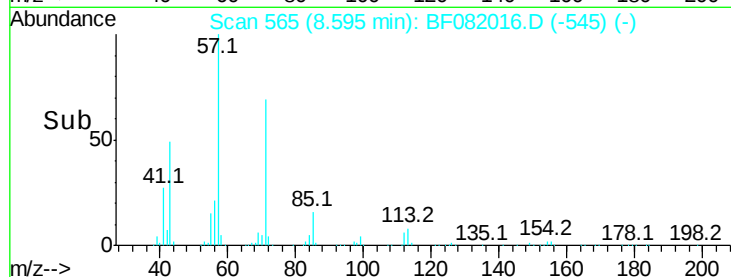
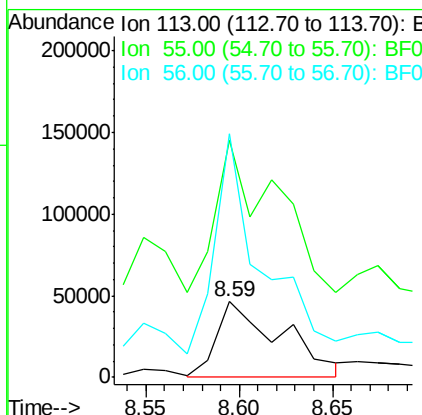
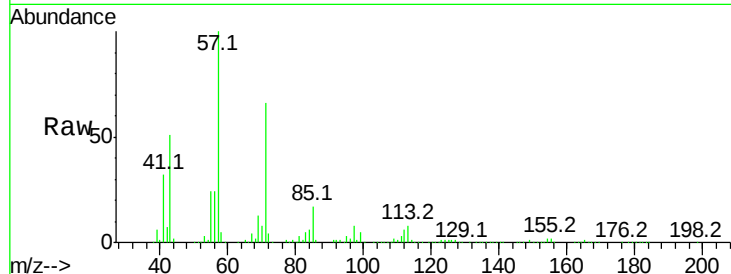
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	113	Resp:	113131
Ion Ratio	Lower	Upper	
113	100		
55	313.4	152.4	192.4#
56	321.9	104.6	144.6#

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#36

4-Chloro-3-methylphenol

Concen: 46.05 ng/ml

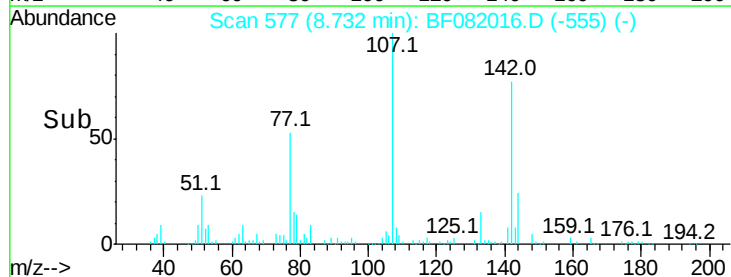
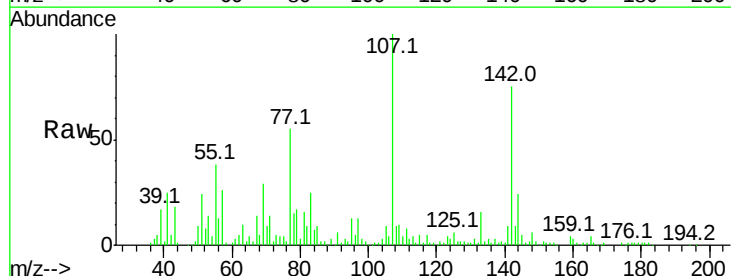
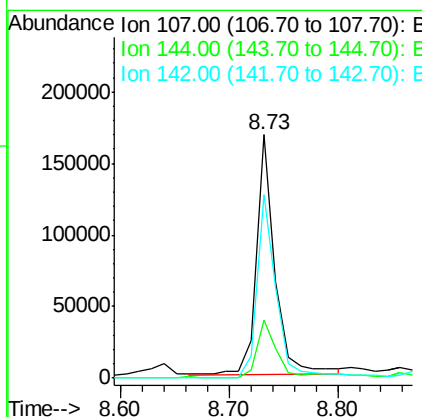
RT: 8.73 min Scan# 577

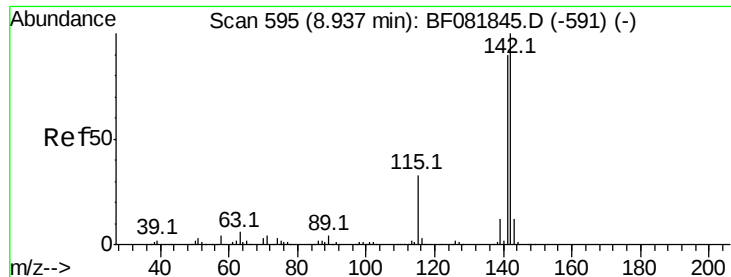
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	107	Resp:	200091
Ion Ratio	Lower	Upper	
107	100		
144	23.7	25.4	38.0#
142	75.3	77.3	115.9#





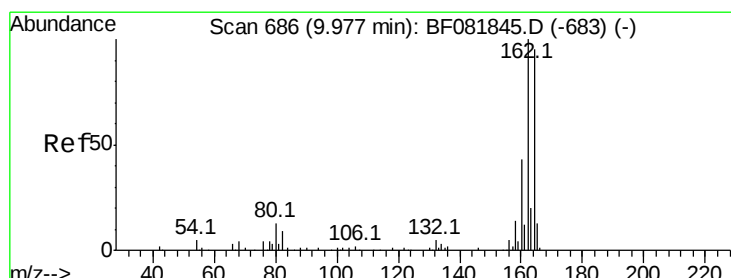
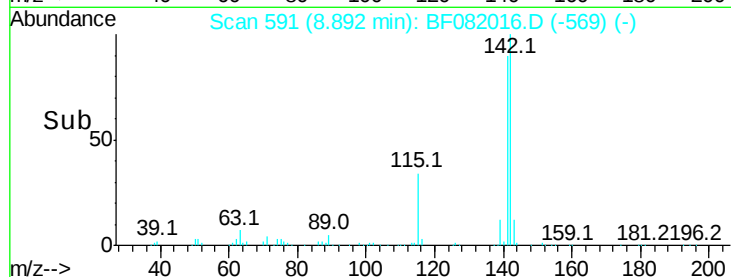
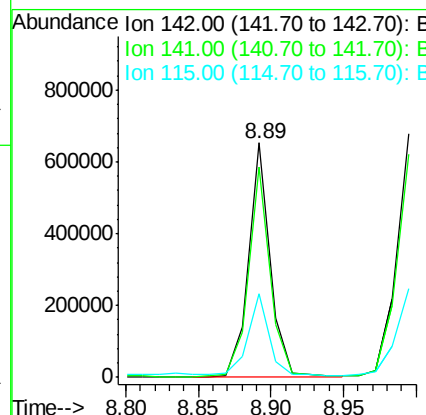
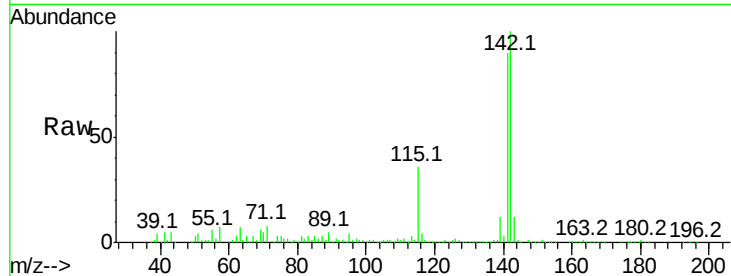
#37
2-Methylnaphthalene
Concen: 67.38 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	67.5	101.3
115	35.8	18.2	27.2

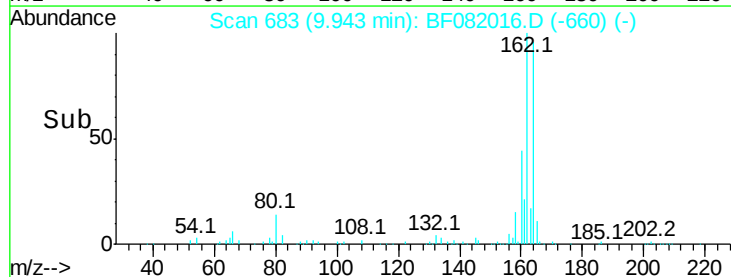
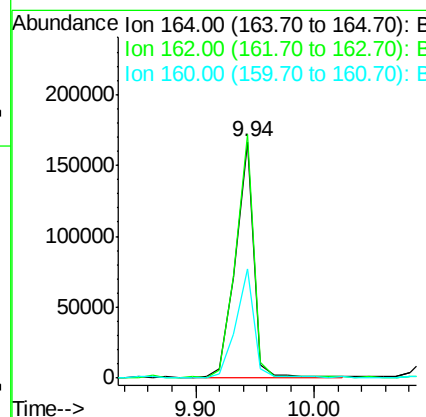
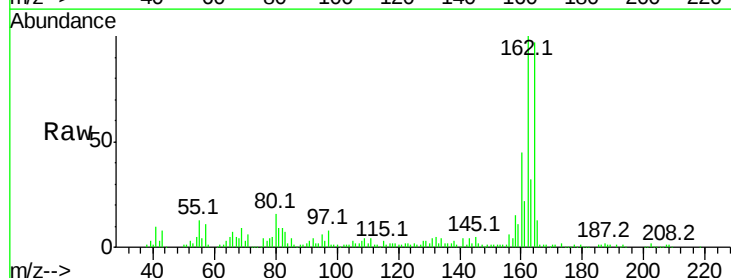
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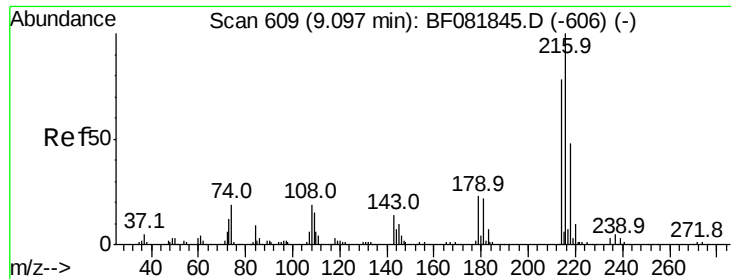
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	75.2	112.8
160	46.4	31.5	47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 52.32 ng

RT: 9.06 min Scan# 606

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

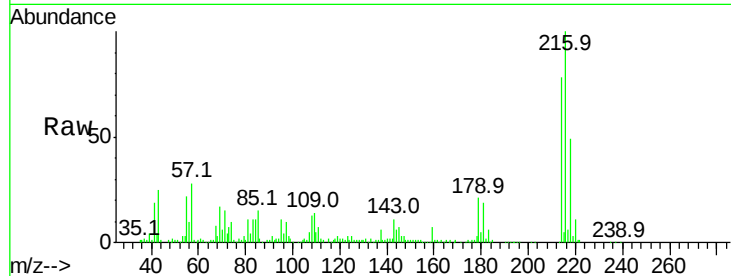
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	282367		
214	78.5	63.5	95.3	
179	20.6	16.6	24.8	
108	17.9	16.3	24.5	

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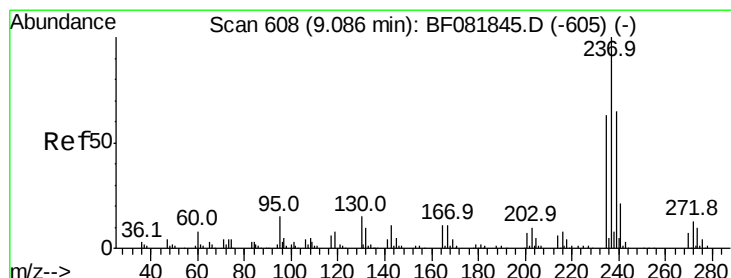
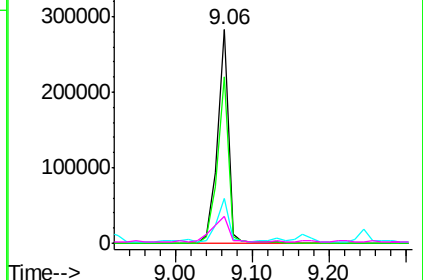
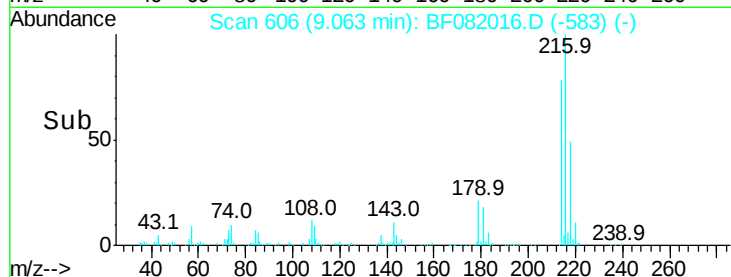


Abundance Ion 216.00 (215.70 to 216.70): E

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: 95.35 ng

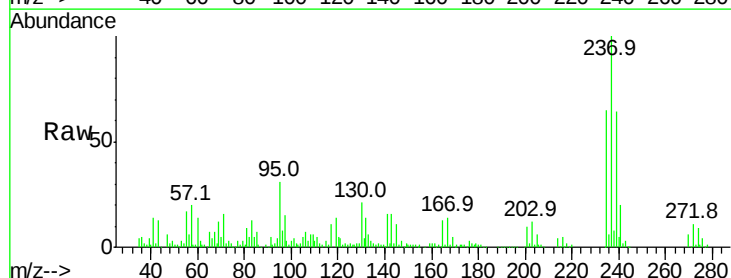
RT: 9.04 min Scan# 604

Delta R.T. -0.04 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

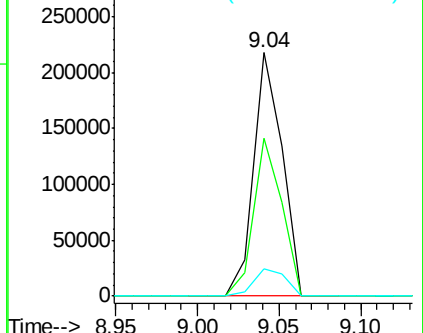
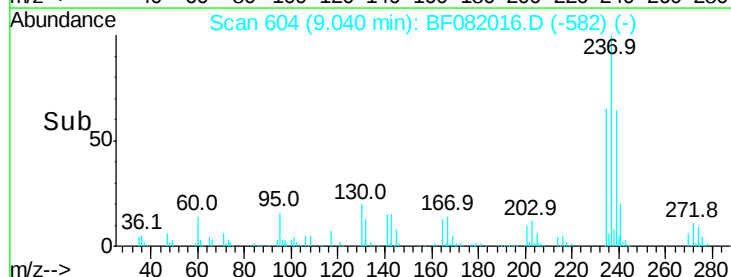
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	265015		
235	64.7	42.0	82.0	
272	11.1	0.0	36.1	

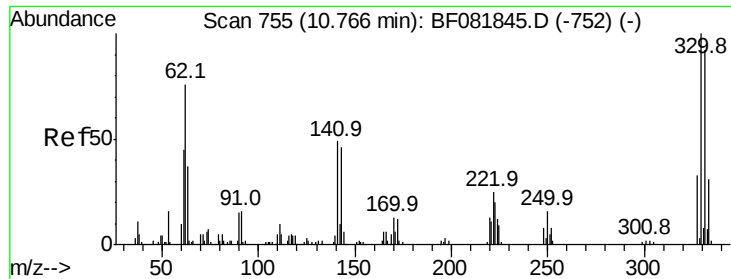


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





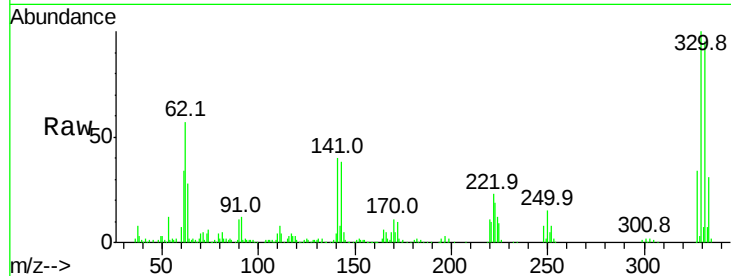
#41
 2,4,6-Tribromophenol
 Concen: 152.40 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

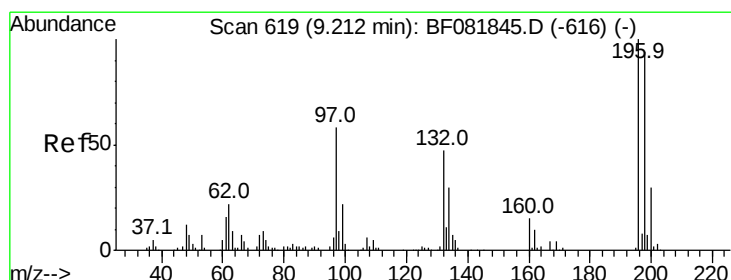
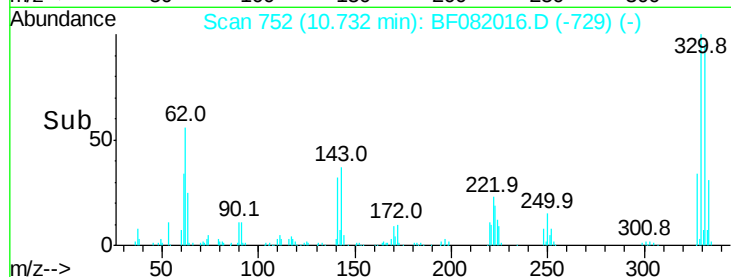
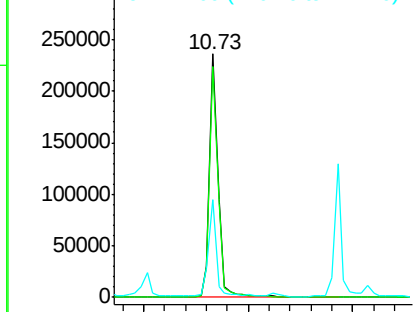
Tot Ion	Ratio	Resp	Lower	Upper
330	100	271354		
332	95.1	76.6	114.8	
141	34.7	29.7	44.5	

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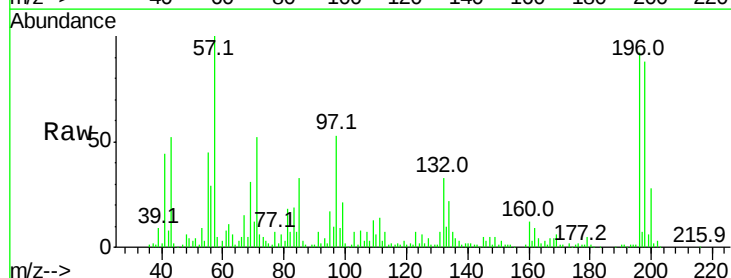


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

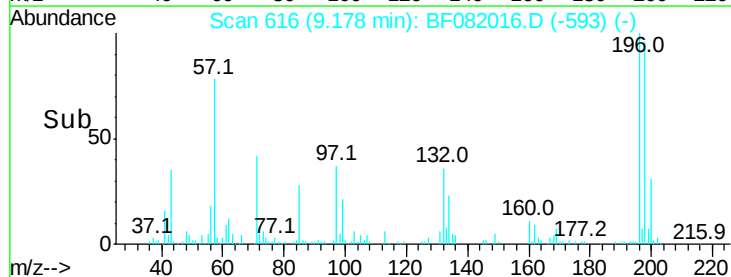
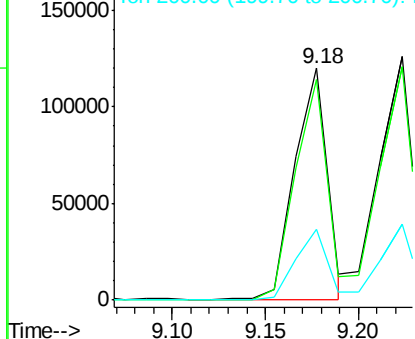


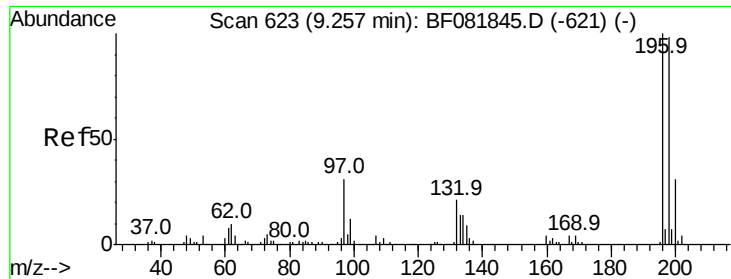
#42
 2,4,6-Trichlorophenol
 Concen: 39.69 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	146845		
198	95.2	75.7	113.5	
200	30.7	23.9	35.9	



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





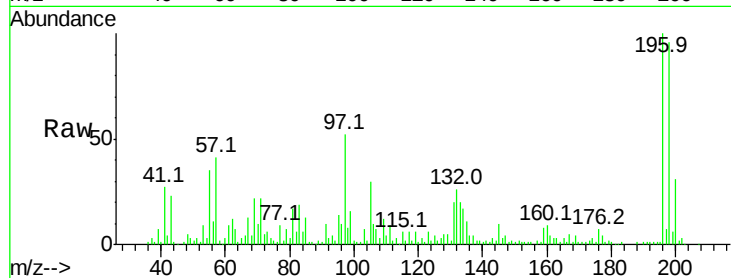
#43
 2,4,5-Trichlorophenol
 Concen: 42.64 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

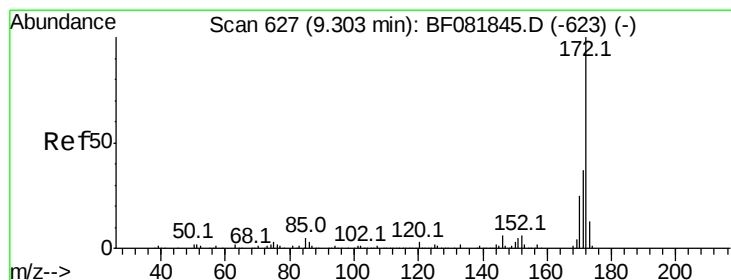
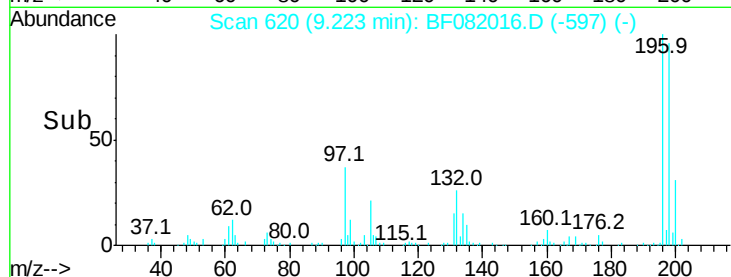
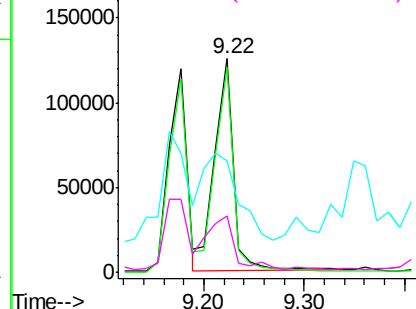
Manual Integrations
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Tot Ion	Ratio	Resp	Lower	Upper
196	100	162265		
198	95.8	75.4	113.0	
97	52.0	33.3	49.9	
132	26.5	24.6	37.0	

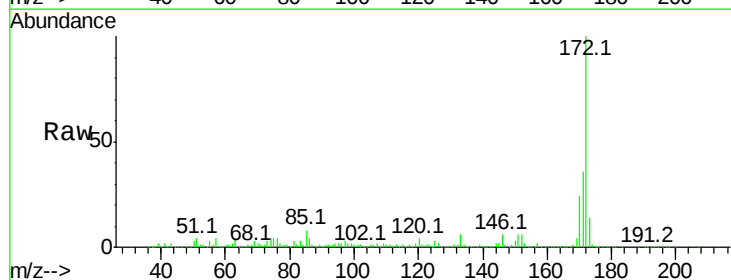


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

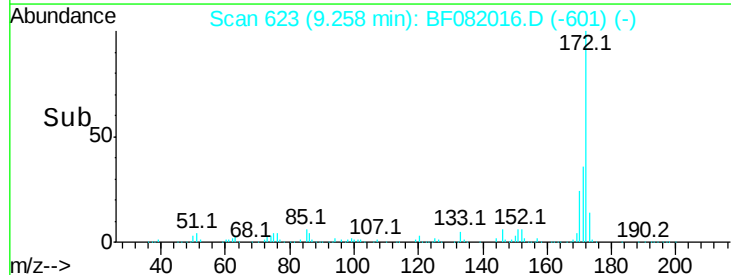
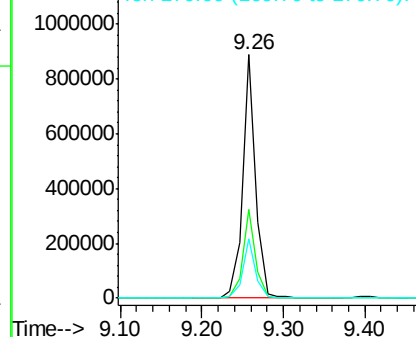


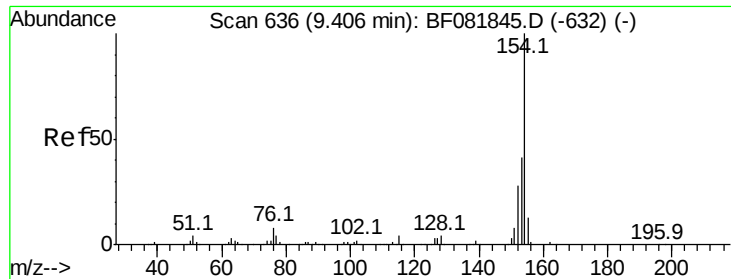
#44
 2-Fluorobiphenyl
 Concen: 96.62 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	988377		
171	36.3	26.1	39.1	
170	24.4	17.4	26.2	



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





#45

1,1'-Biphenyl

Concen: 49.92 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

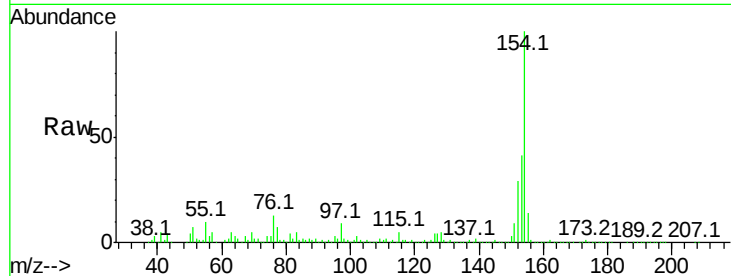
ClientSampleId :

B-2D(3.5-4)MSD

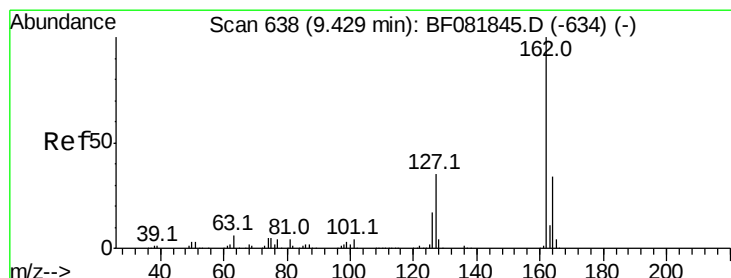
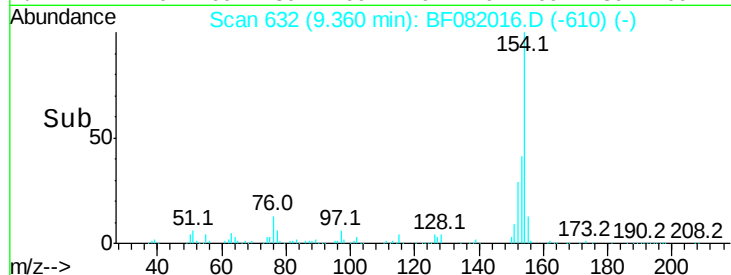
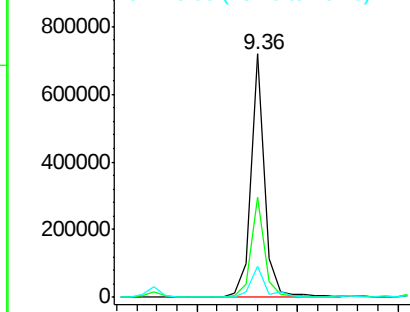
Tot Ion:	154	Resp:	677129
Ion Ratio	Lower	Upper	
154	100		
153	41.0	17.1	57.1
76	12.6	0.0	31.6

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



#46

2-Chloronaphthalene

Concen: 40.58 ng

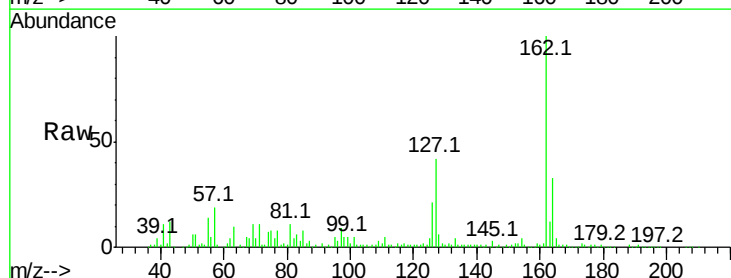
RT: 9.38 min Scan# 634

Delta R.T. -0.05 min

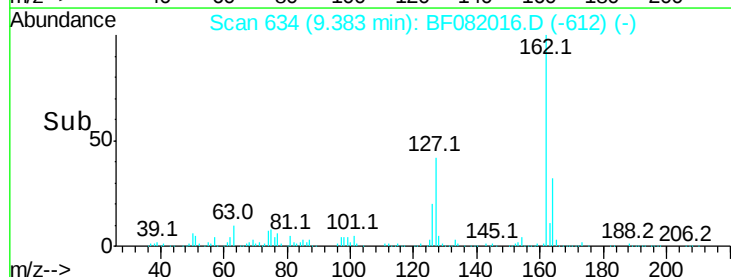
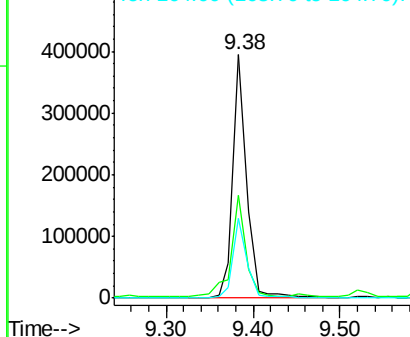
Lab File: BF082016.D

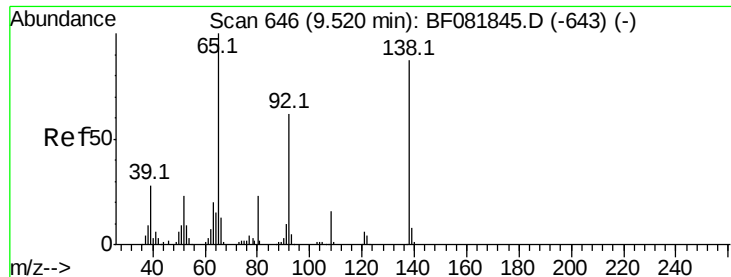
Acq: 3 Oct 2015 11:00

Tgt Ion:	162	Resp:	432202
Ion Ratio	Lower	Upper	
162	100		
127	42.5	27.6	41.4#
164	32.6	25.4	38.2



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





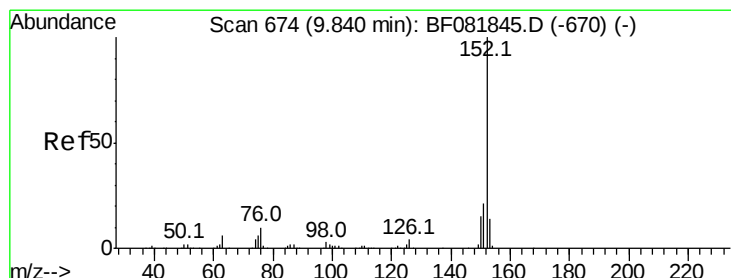
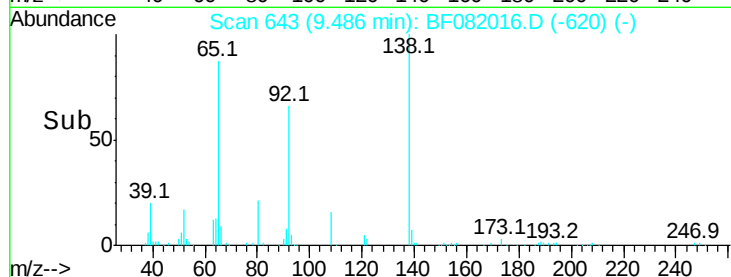
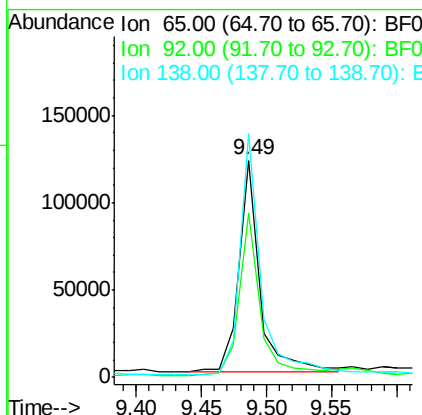
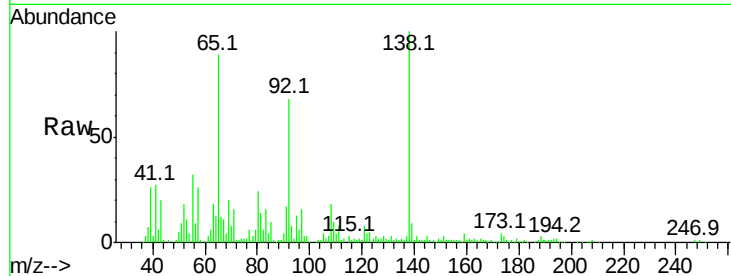
#47
2-Nitroaniline
Concen: 43.14 ng
RT: 9.49 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.9	55.4	83.0
138	112.2	115.5	173.3

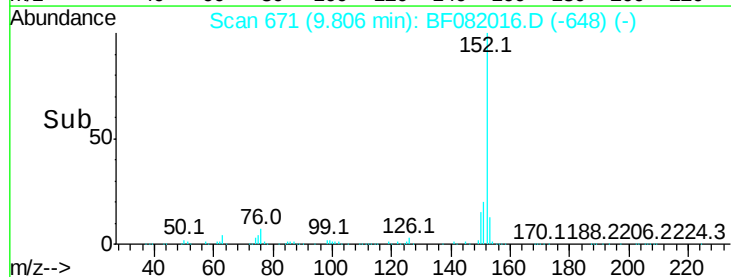
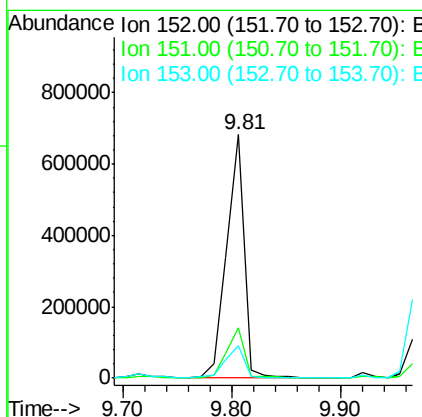
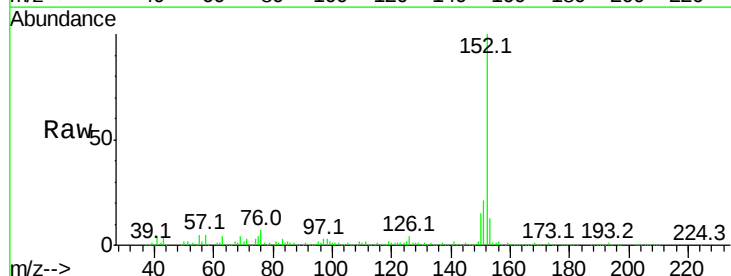
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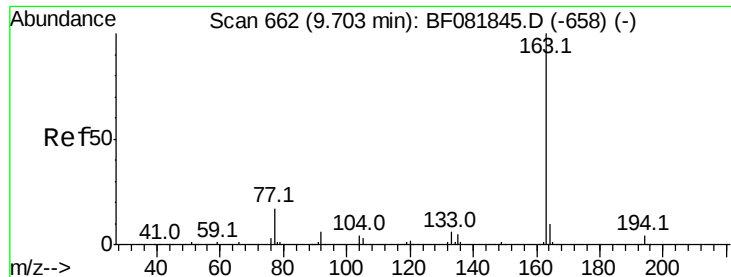
MMDADODA
10/5/2015 6:29:10 PM



#48
Acenaphthylene
Concen: 44.19 ng
RT: 9.81 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	14.6	22.0
153	13.5	10.3	15.5





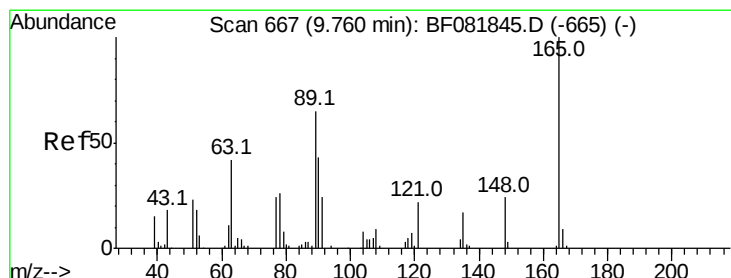
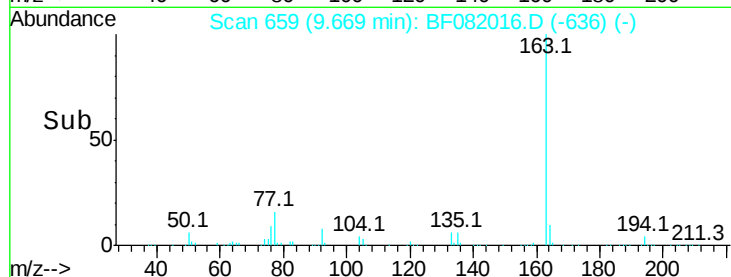
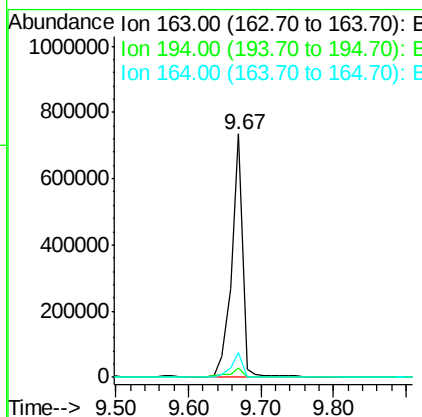
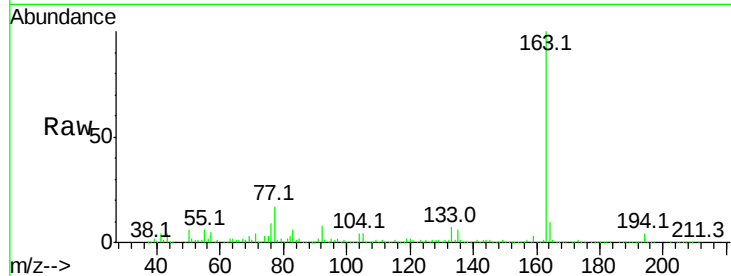
#49
Dimethylphthalate
Concen: 62.91 ng
RT: 9.67 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	763387		
194	3.8	4.4	6.6#	
164	10.3	8.3	12.5	

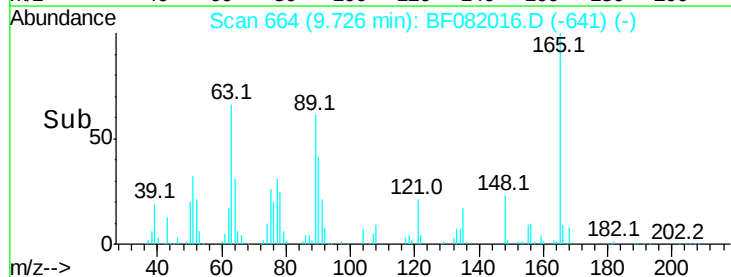
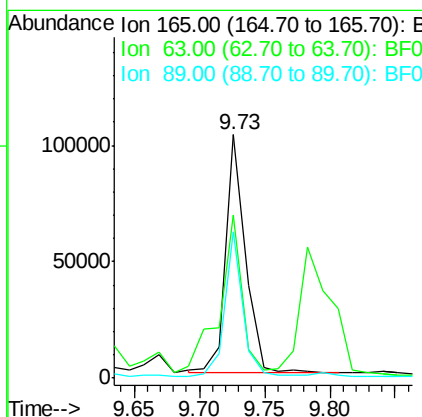
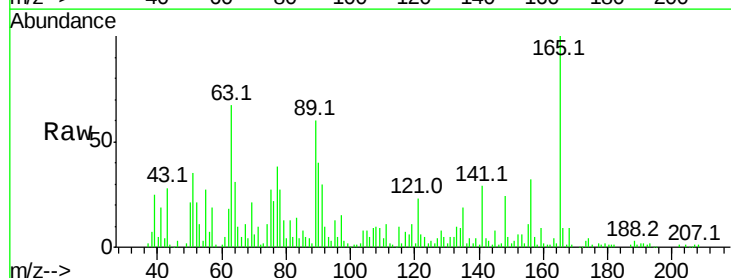
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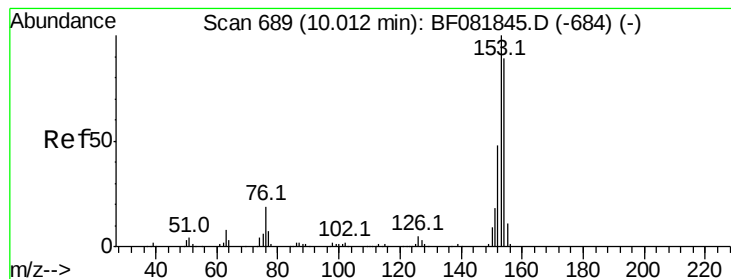
MMDADODA
10/5/2015 6:29:10 PM



#50
2,6-Dinitrotoluene
Concen: 41.18 ng
RT: 9.73 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	108509		
63	66.9	32.3	48.5#	
89	60.1	28.6	43.0#	





#51

Acenaphthene

Concen: 51.75 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

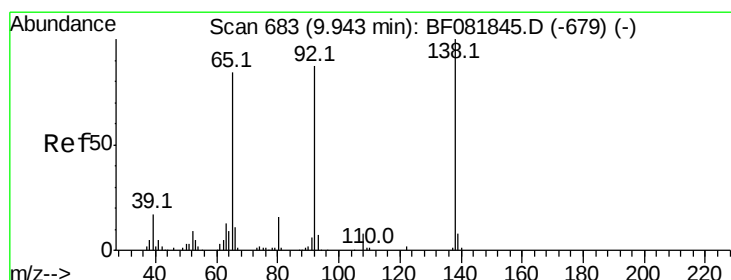
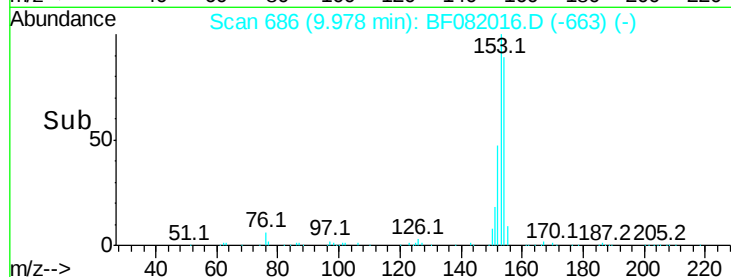
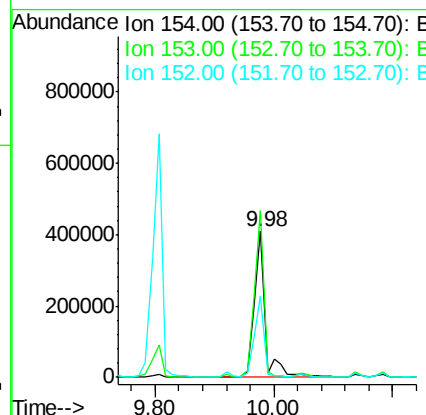
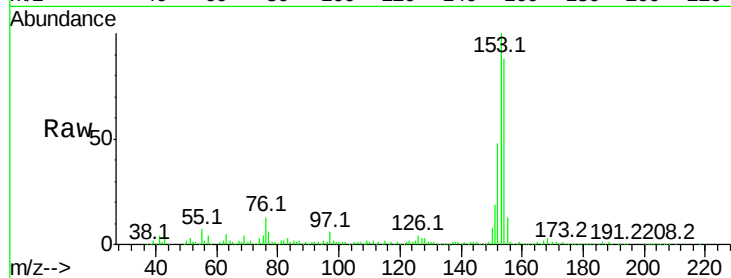
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	154	Resp:	523801
Ion Ratio	Lower	Upper	
154	100		
153	113.8	82.1	123.1
152	55.2	37.9	56.9

Manual Integrations
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#52

3-Nitroaniline

Concen: 29.98 ng

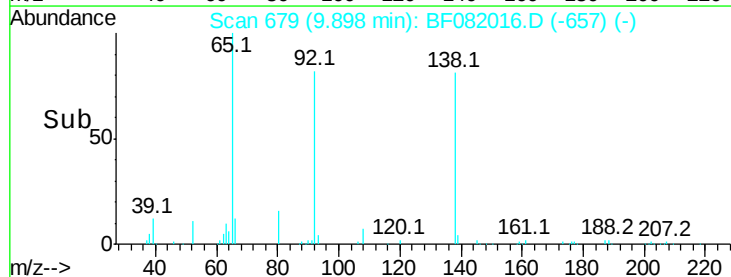
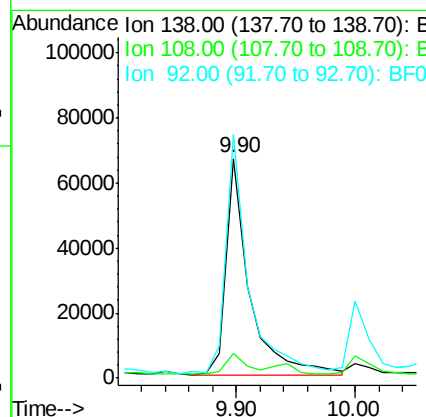
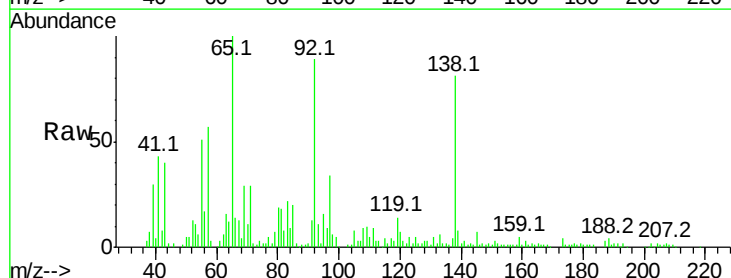
RT: 9.90 min Scan# 679

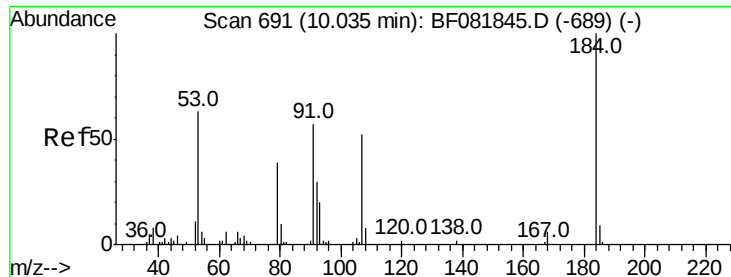
Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	138	Resp:	91382
Ion Ratio	Lower	Upper	
138	100		
108	11.4	5.7	8.5#
92	110.9	67.7	101.5#





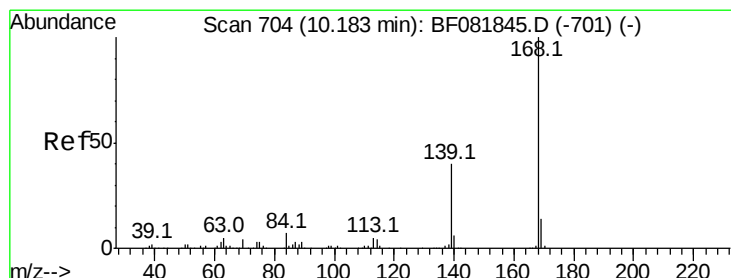
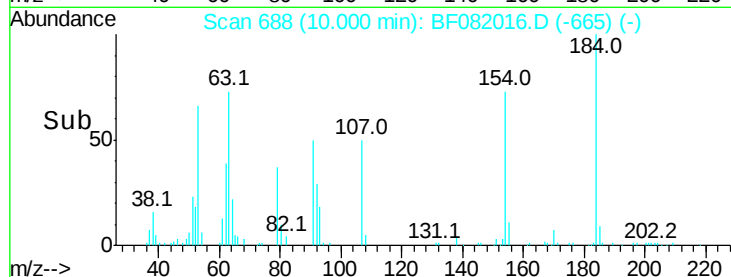
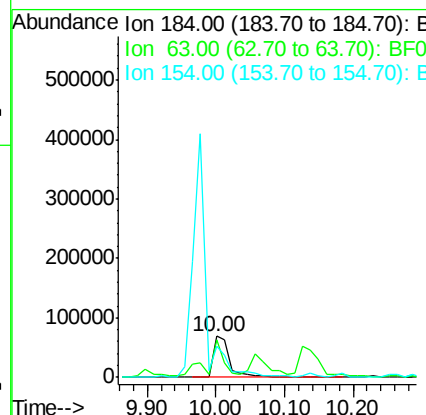
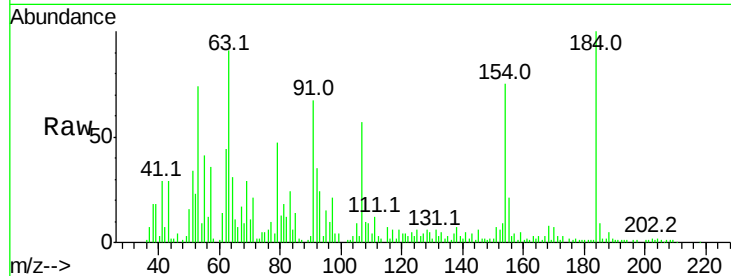
#53
2,4-Dinitrophenol
Concen: 86.62 ng
RT: 10.00 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	90.8	35.4	53.2#	
154	75.3	32.2	48.4#	

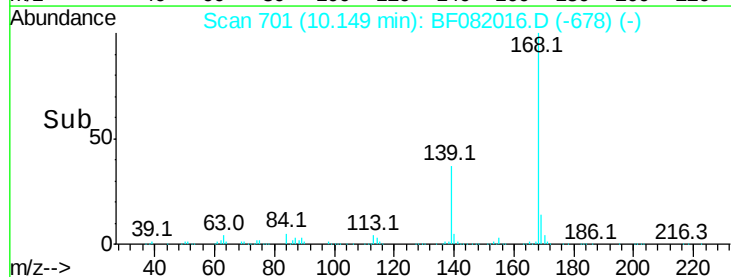
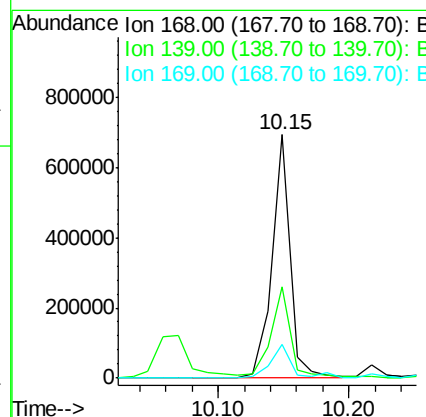
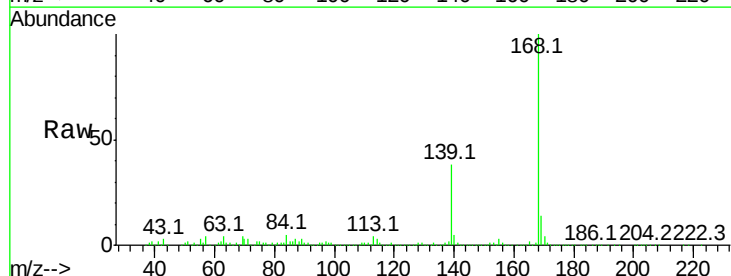
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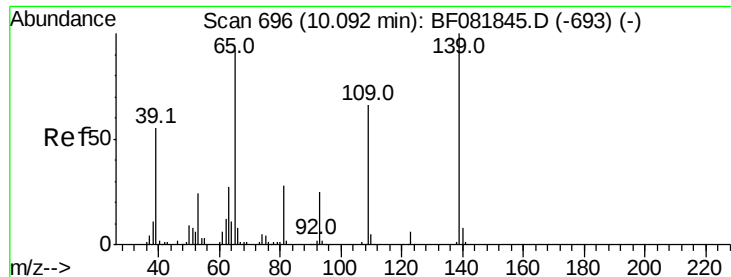
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#54
Dibenzofuran
Concen: 47.31 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	37.8	24.2	36.2#	
169	14.0	10.6	15.8	





#55

4-Nitrophenol

Concen: 96.82 ng

RT: 10.07 min Scan# 694

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

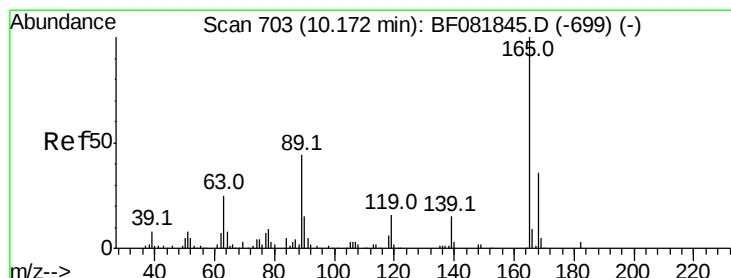
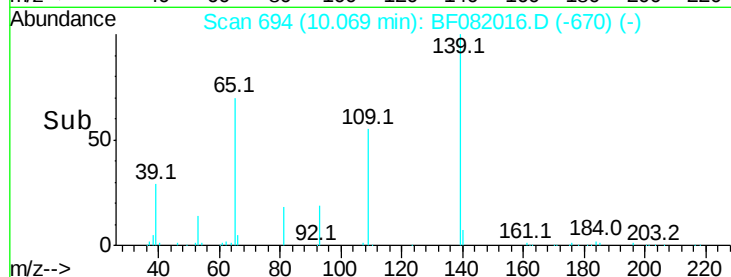
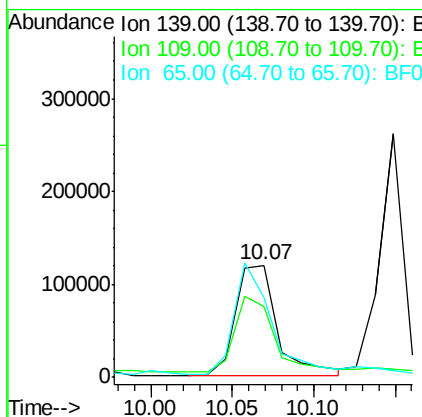
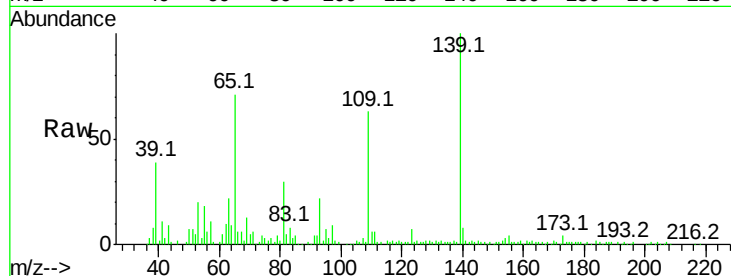
ClientSampleId :

B-2D(3.5-4)MSD

Manual Integrations
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10/5/2015 6:29:10 PM

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	63.1	12.7	52.7#	
65	71.3	45.9	85.9	



#56

2,4-Dinitrotoluene

Concen: 48.69 ng

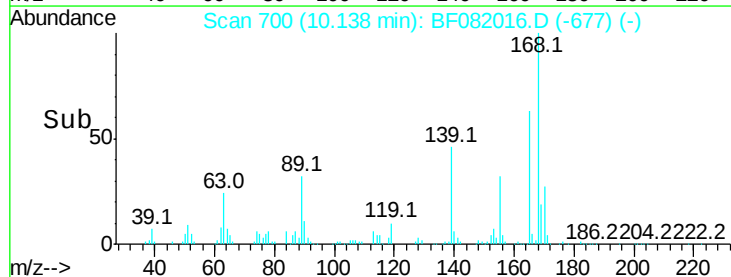
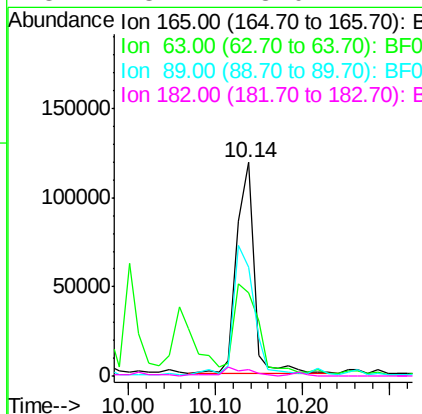
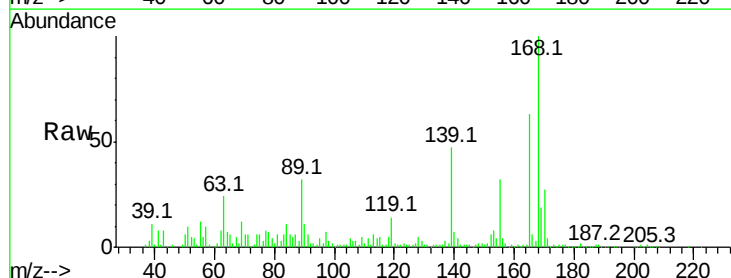
RT: 10.14 min Scan# 700

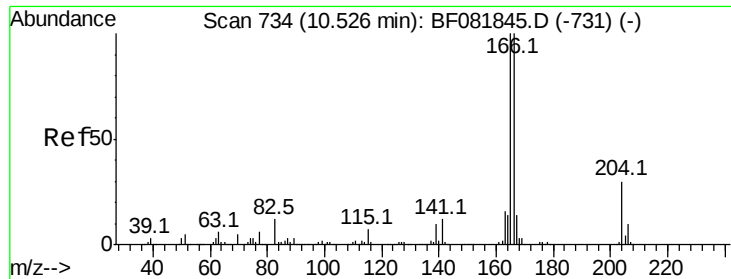
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	38.7	29.8	44.6	
89	51.0	44.5	66.7	
182	3.1	3.0	4.4	





#57

Fluorene

Concen: 54.46 ng

RT: 10.49 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

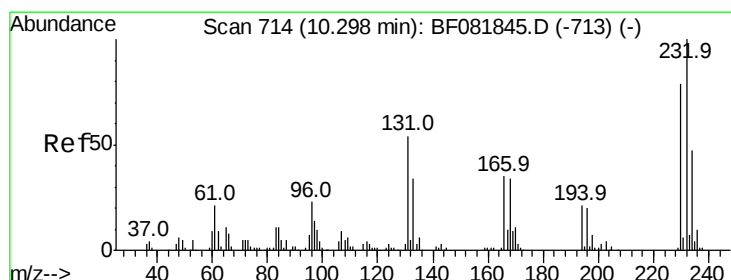
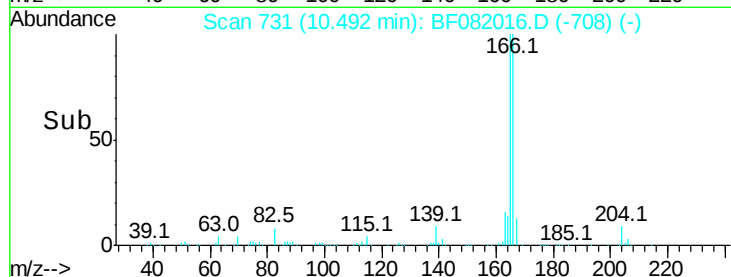
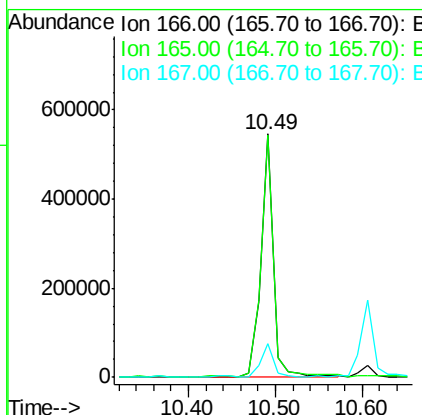
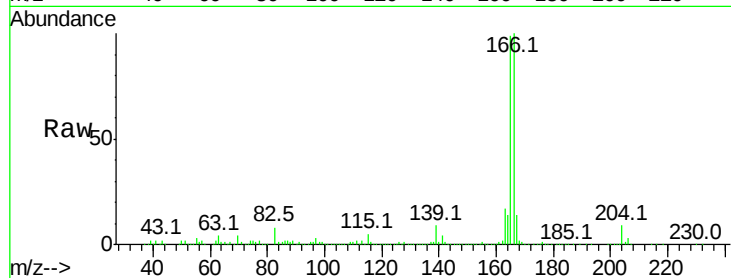
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	166	Resp:	552591
Ion Ratio	Lower	Upper	
166	100		
165	99.3	72.6	109.0
167	13.7	10.6	16.0

Manual Integrations
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MMDADODA
10/5/2015 6:29:10 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.89 ng

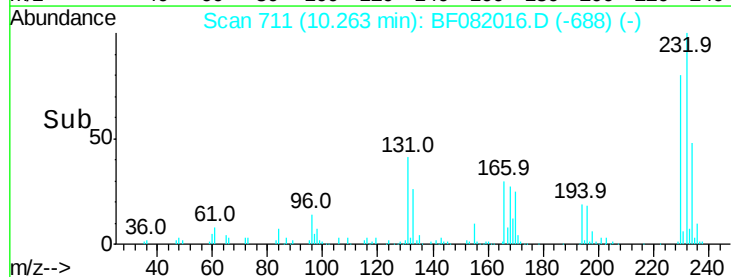
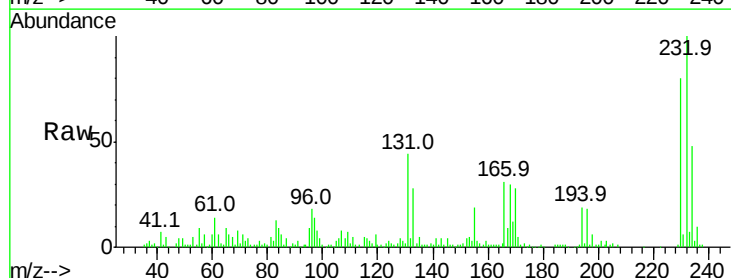
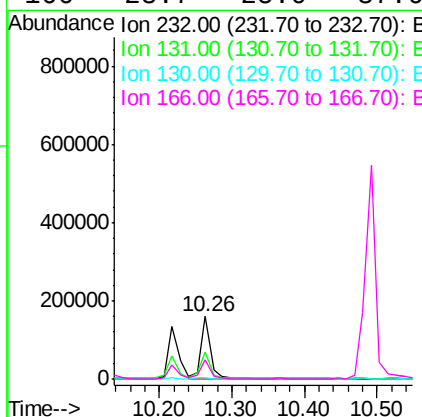
RT: 10.26 min Scan# 711

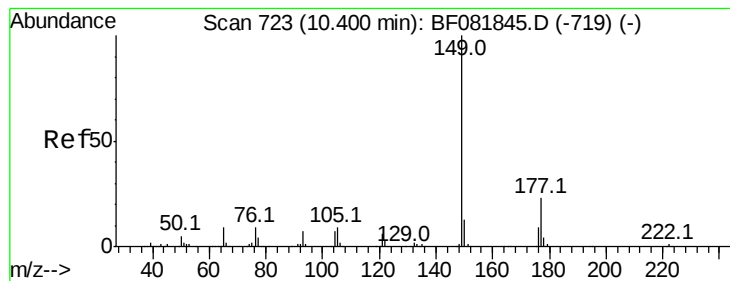
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	232	Resp:	150582
Ion Ratio	Lower	Upper	
232	100		
131	46.4	38.5	57.7
130	3.3	1.8	2.6#
166	28.7	25.0	37.6





#59

Diethylphthalate

Concen: 45.40 ng

RT: 10.37 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

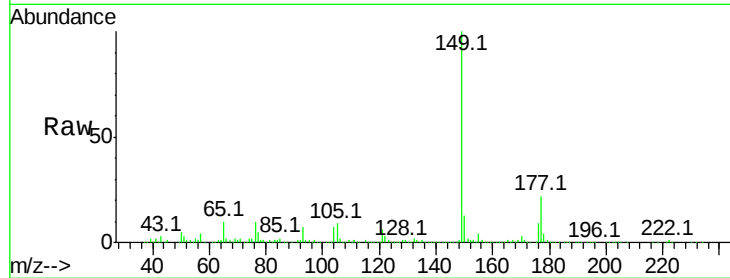
ClientSampleId :

B-2D(3.5-4)MSD

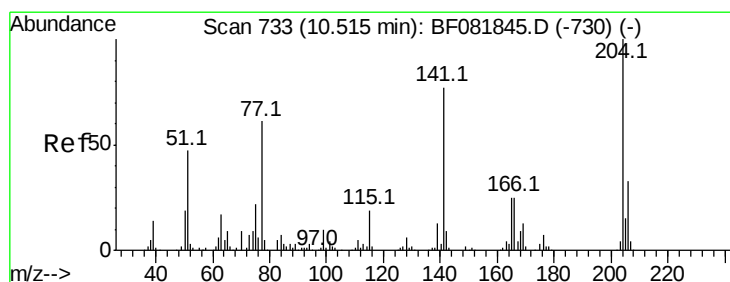
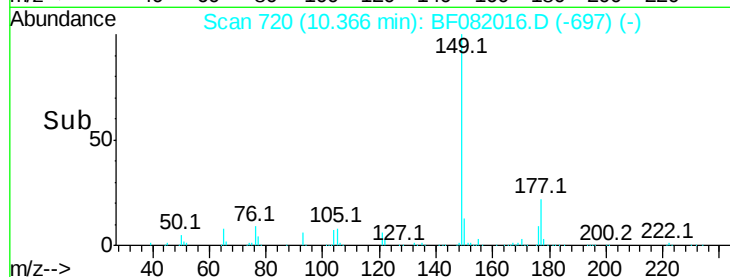
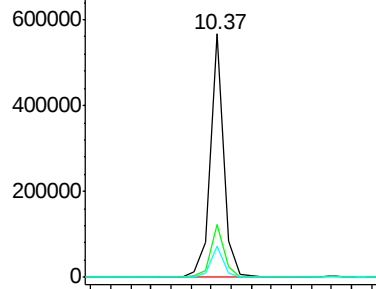
Tot Ion:	149	Resp:	514584
Ion Ratio	Lower	Upper	
149	100		
177	21.9	17.5	26.3
150	12.8	9.4	14.2

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



#60

4-Chlorophenyl-phenylether

Concen: 47.34 ng

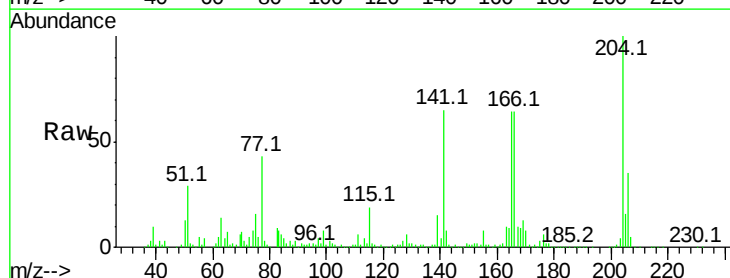
RT: 10.48 min Scan# 730

Delta R.T. -0.03 min

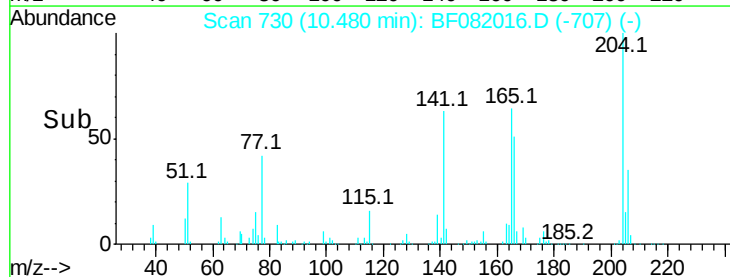
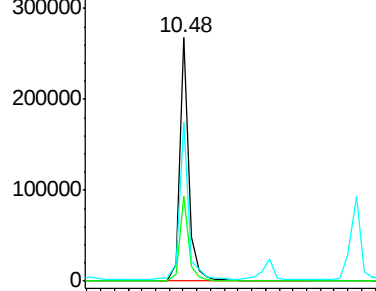
Lab File: BF082016.D

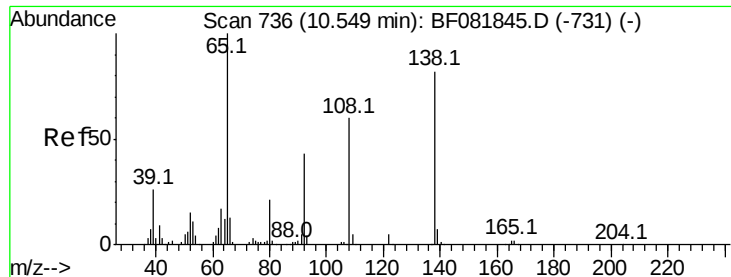
Acq: 3 Oct 2015 11:00

Tgt Ion:	204	Resp:	247934
Ion Ratio	Lower	Upper	
204	100		
206	34.7	24.8	37.2
141	65.4	42.2	63.4#



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





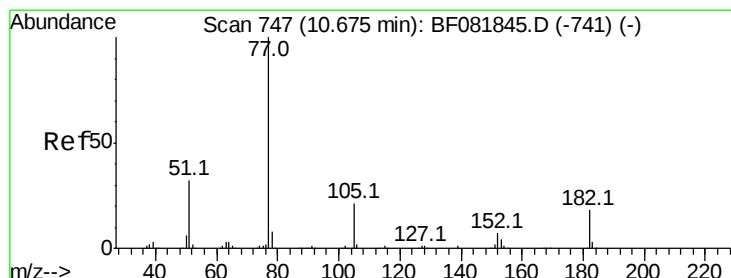
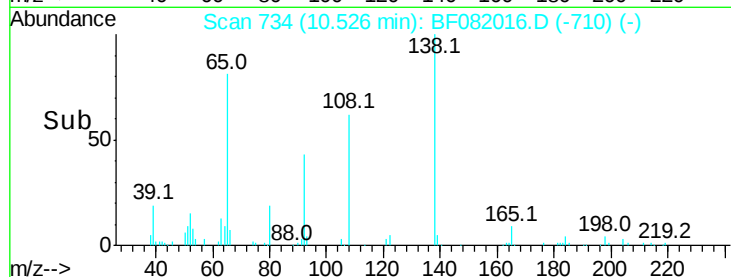
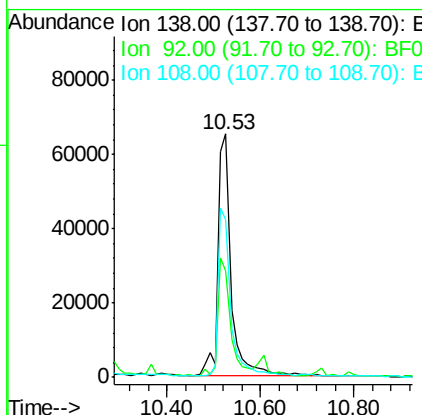
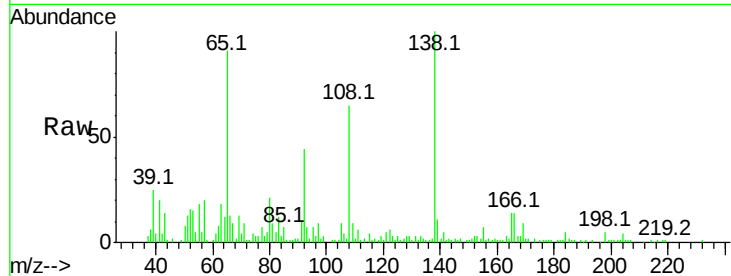
#61
4-Nitroaniline
Concen: 41.06 ng
RT: 10.53 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	43.8	12.6	52.6
108	64.6	12.4	52.4

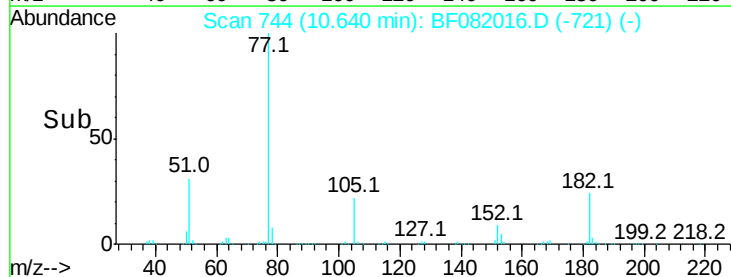
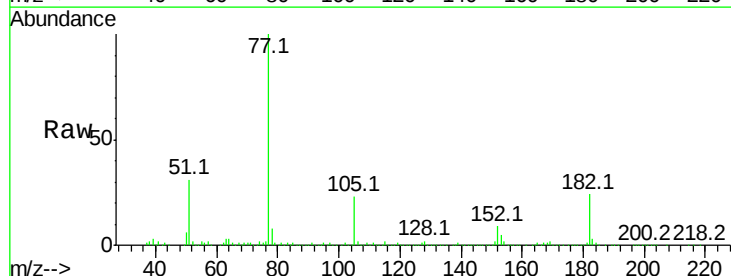
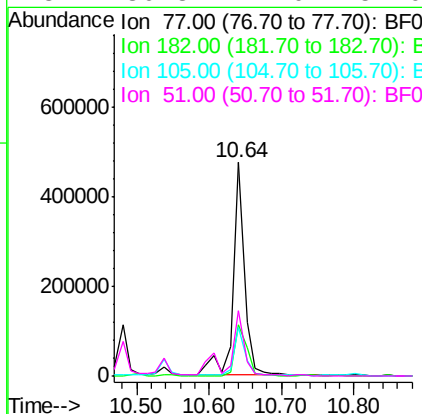
Manual Integrations
APPROVED

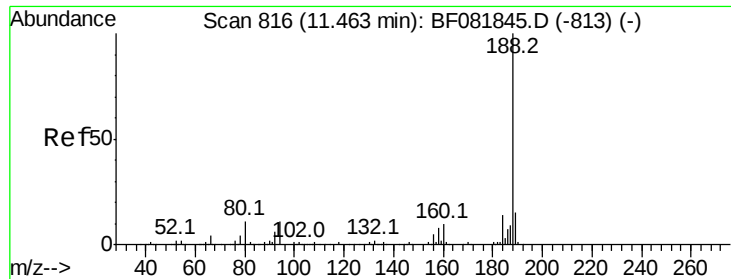
MMDADODA
10/5/2015 6:29:10 PM



#62
Azobenzene
Concen: 47.39 ng
RT: 10.64 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.2	15.1	55.1
105	23.0	3.4	43.4
51	30.8	12.0	52.0





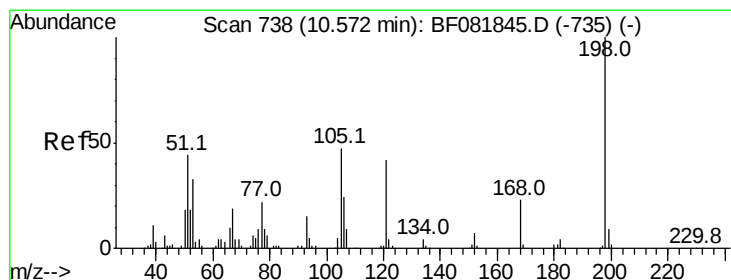
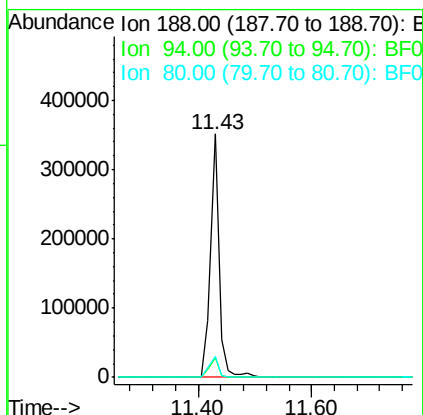
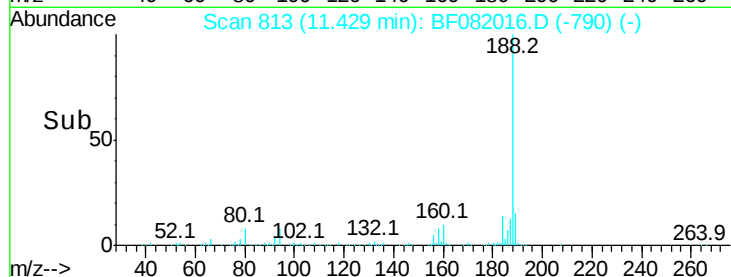
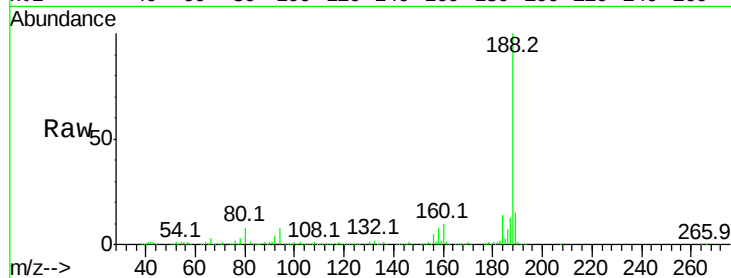
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.8	11.1	16.7#	
80	8.5	11.0	16.4#	

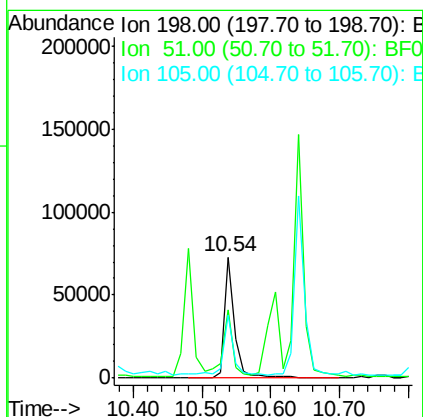
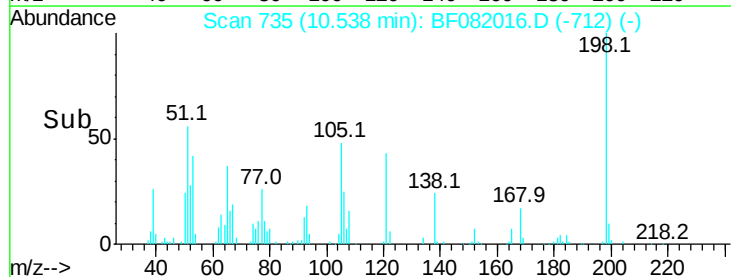
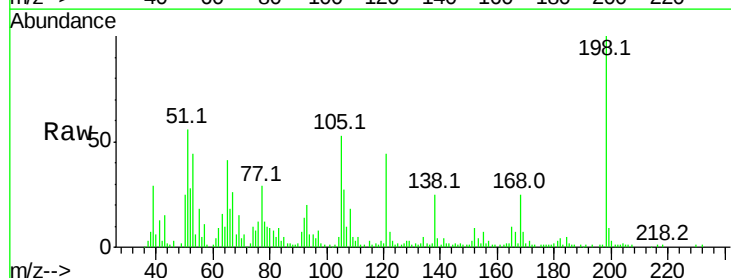
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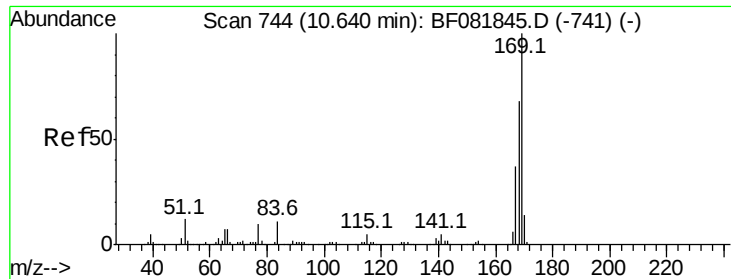
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#64
4,6-Dinitro-2-methylphenol
Concen: 48.02 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	56.4	39.6	79.6	
105	52.6	28.5	68.5	





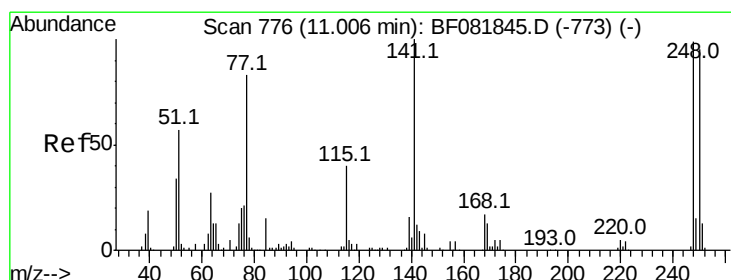
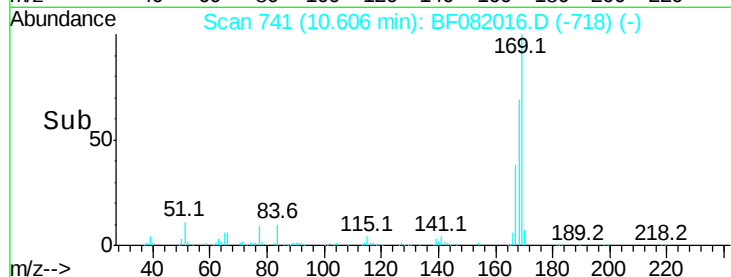
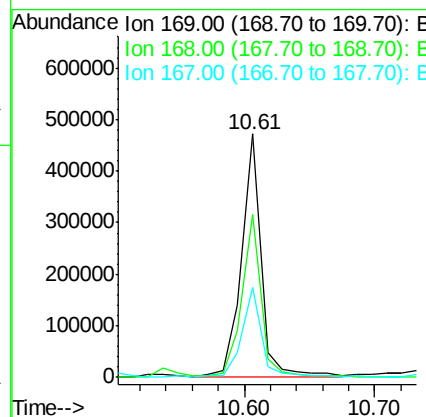
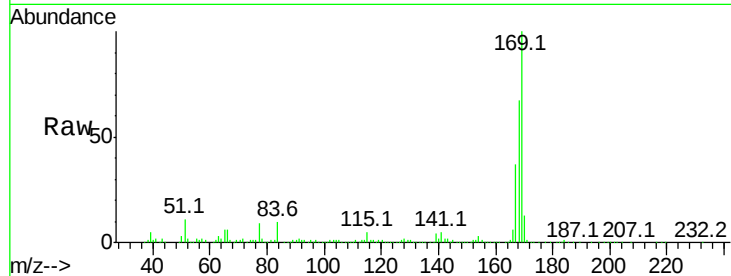
#65
n-Nitrosodiphenylamine
Concen: 45.12 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	66.7	48.9	73.3	
167	36.9	26.2	39.4	

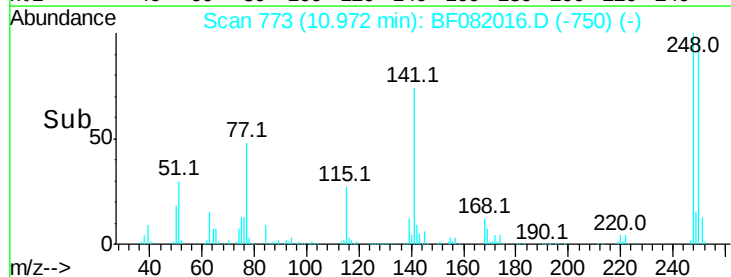
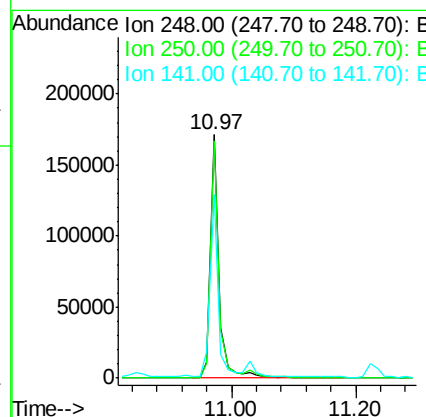
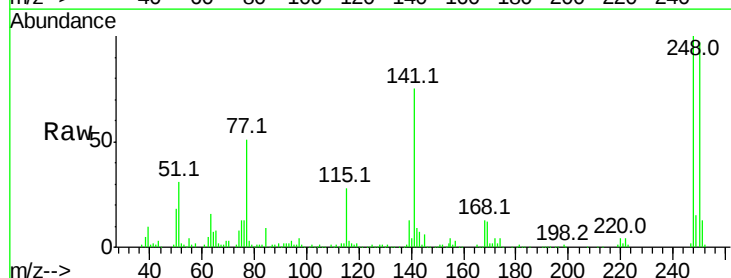
Manual Integrations
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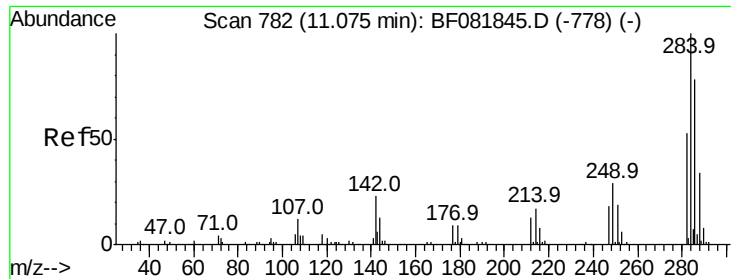
MMDADODA
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#66
4-Bromophenyl-phenylether
Concen: 46.53 ng
RT: 10.97 min Scan# 773
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	97.3	78.5	117.7	
141	75.5	59.0	88.6	





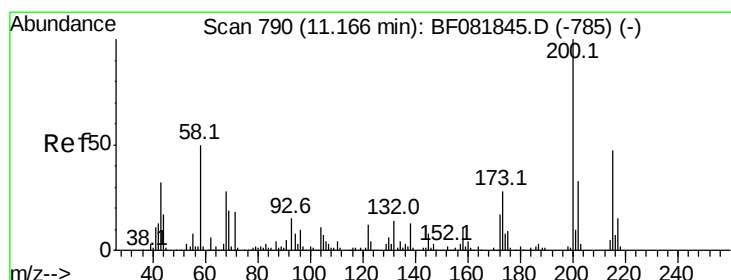
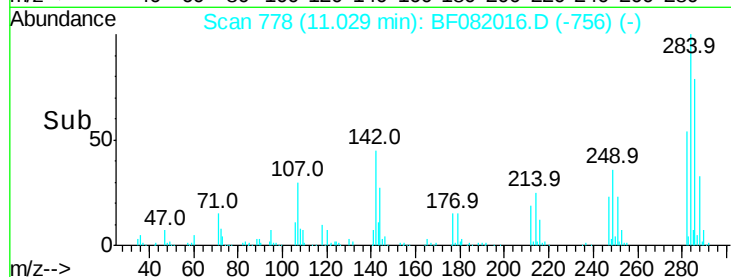
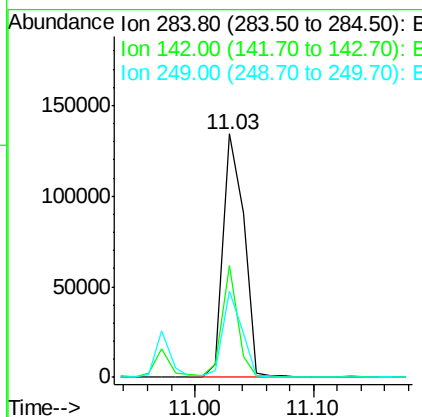
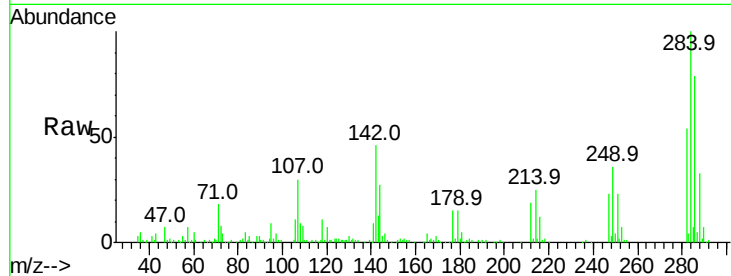
#67
Hexachlorobenzene
Concen: 39.92 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	45.9	29.5	44.3#
249	35.6	19.5	29.3#

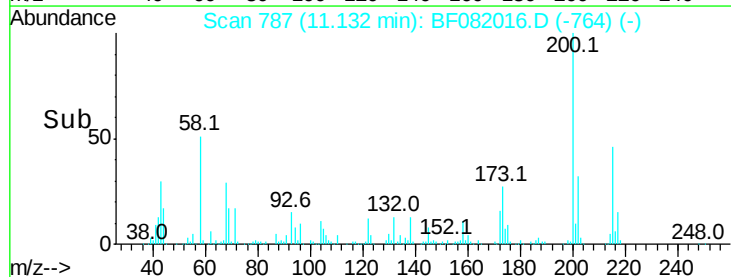
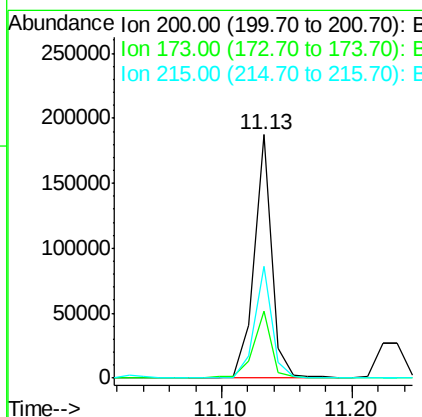
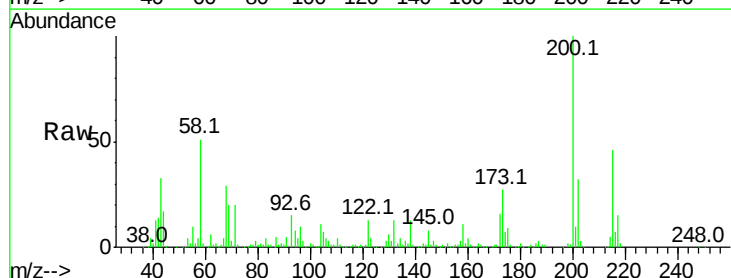
Manual Integrations
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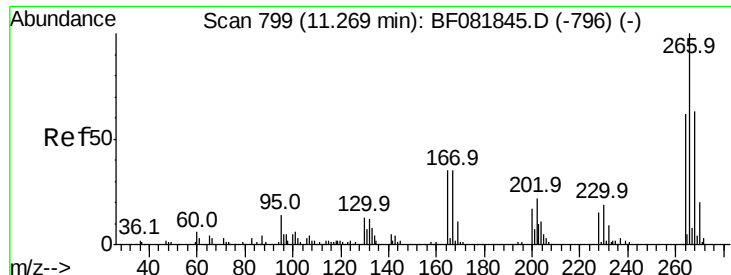
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#68
Atrazine
Concen: 52.82 ng
RT: 11.13 min Scan# 787
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	27.4	13.2	53.2
215	45.9	41.8	81.8





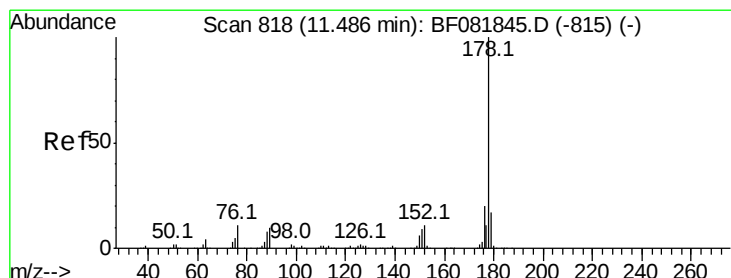
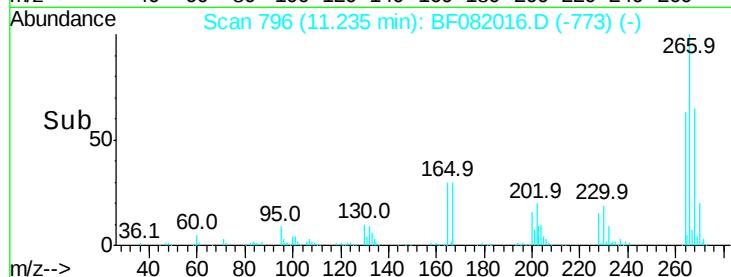
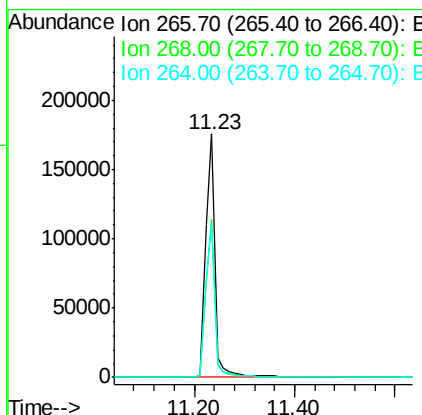
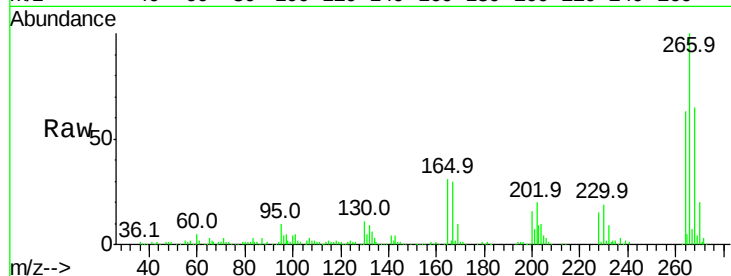
#69
 Pentachlorophenol
 Concen: 97.38 ng
 RT: 11.23 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	226008		
268	64.8	49.8	74.6	
264	63.2	50.2	75.2	

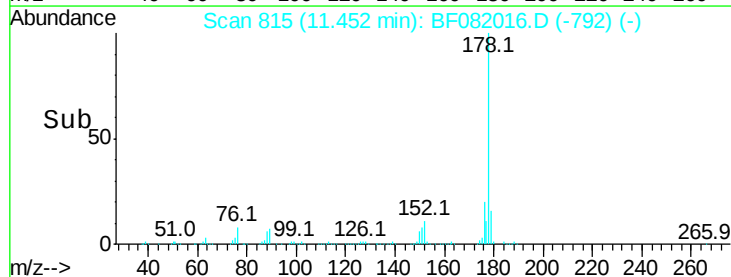
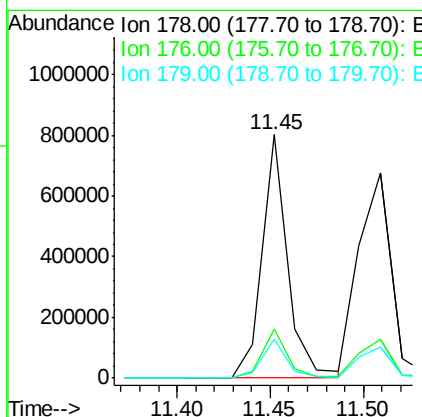
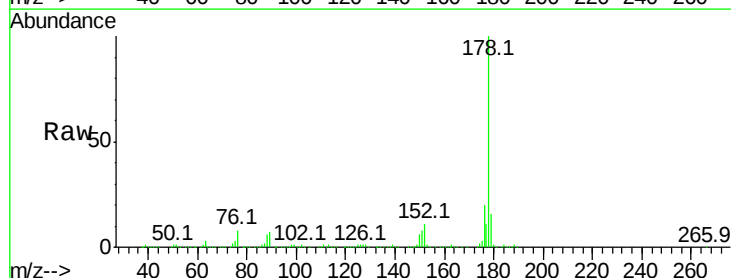
Manual Integrations
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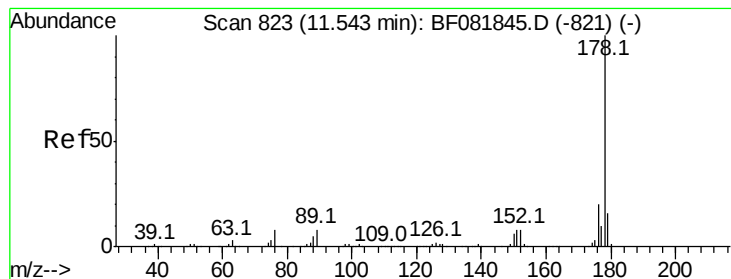
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#70
 Phenanthrene
 Concen: 44.73 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	770655		
176	20.3	13.8	20.8	
179	16.2	12.2	18.2	





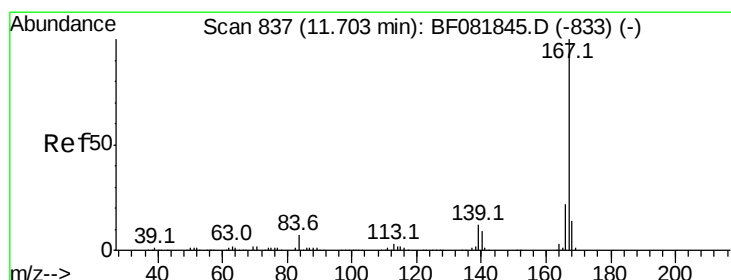
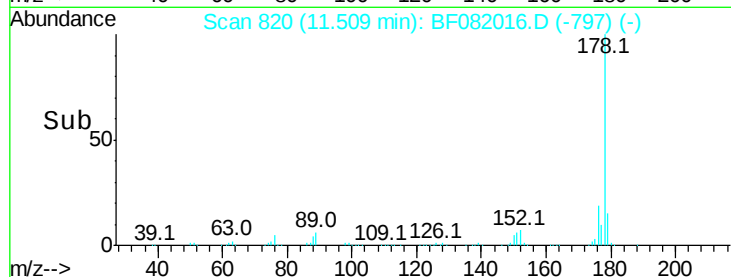
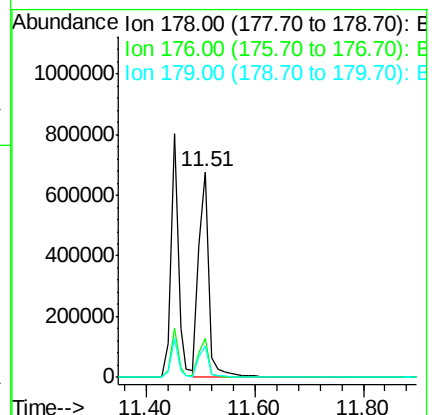
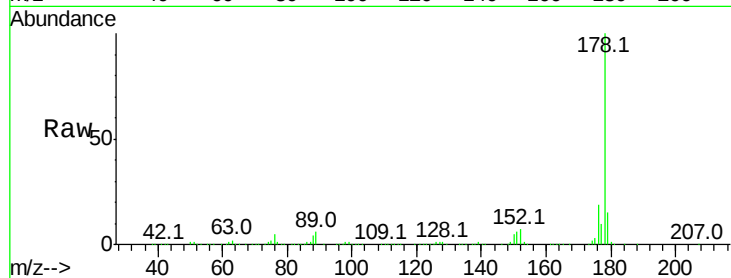
#71
 Anthracene
 Concen: 47.68 ng
 RT: 11.51 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.1	21.1
179	15.2	12.2	18.2

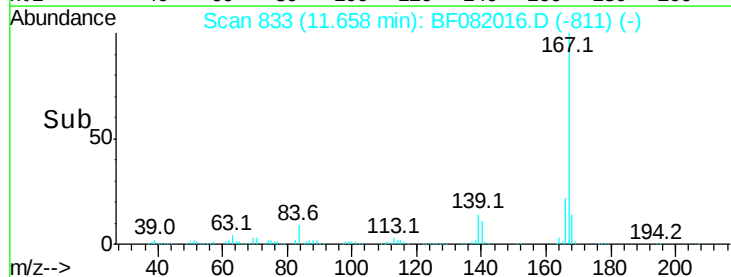
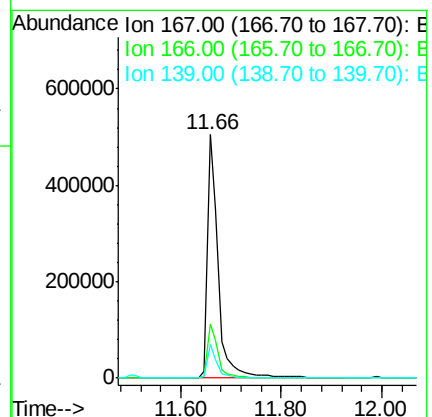
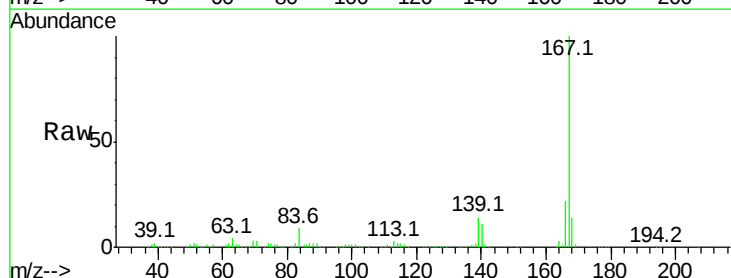
Manual Integrations
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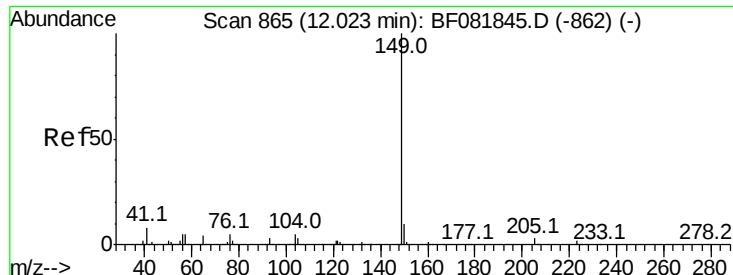
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 10/5/2015 6:29:10 PM



#72
 Carbazole
 Concen: 45.53 ng
 RT: 11.66 min Scan# 833
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	15.7	23.5
139	13.9	9.5	14.3





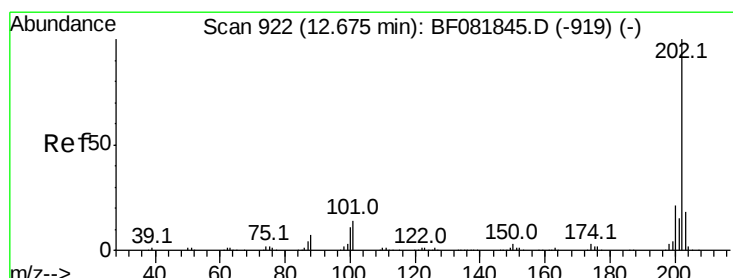
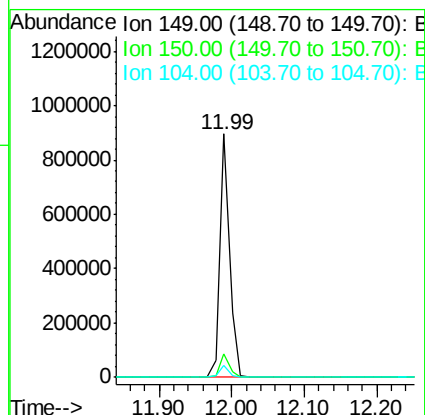
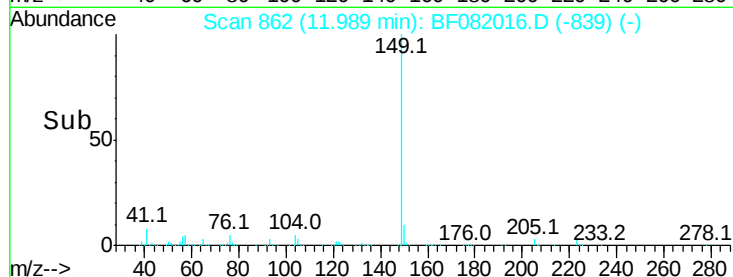
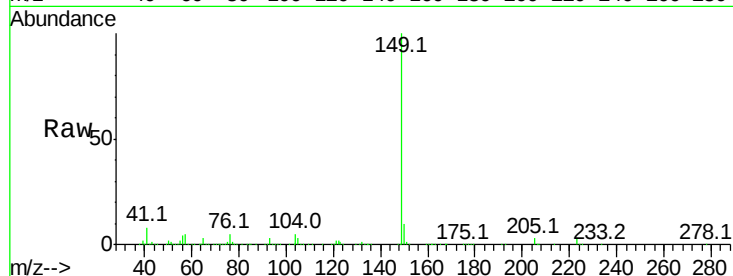
#73
Di-n-butylphthalate
Concen: 49.95 ng
RT: 11.99 min Scan# 862
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Manual Integrations
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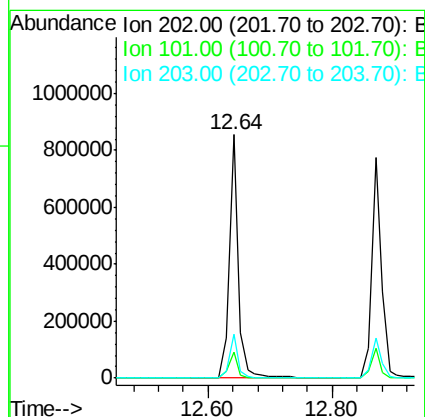
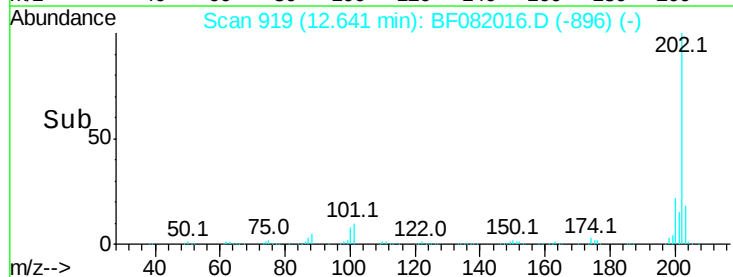
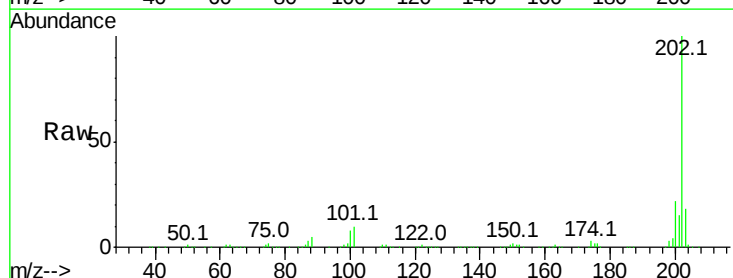
MMDADODA
10/5/2015 6:29:10 PM

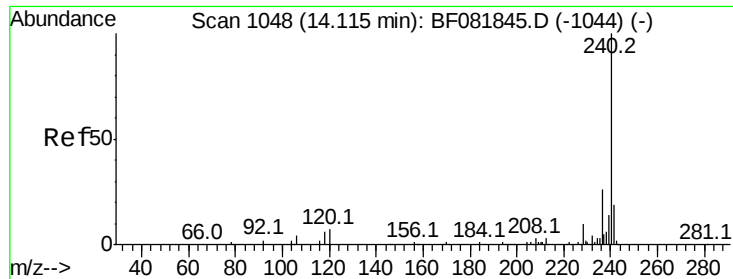
Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.5	7.4	11.2
104	4.9	2.4	3.6



#74
Fluoranthene
Concen: 44.76 ng
RT: 12.64 min Scan# 919
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	0.0	38.3
203	18.0	0.0	37.3





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

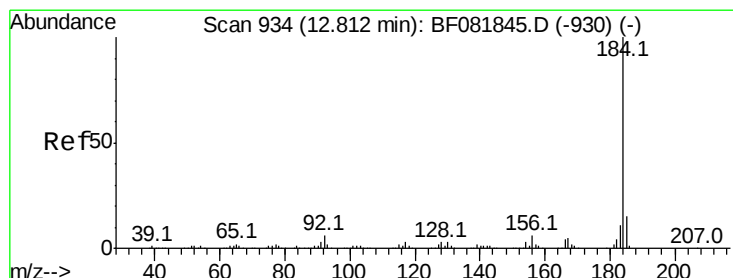
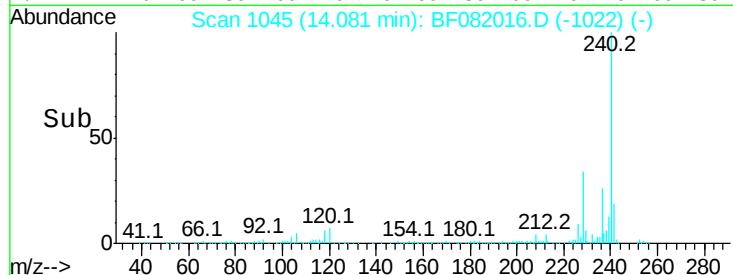
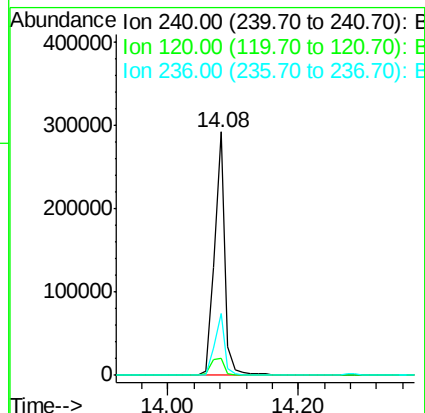
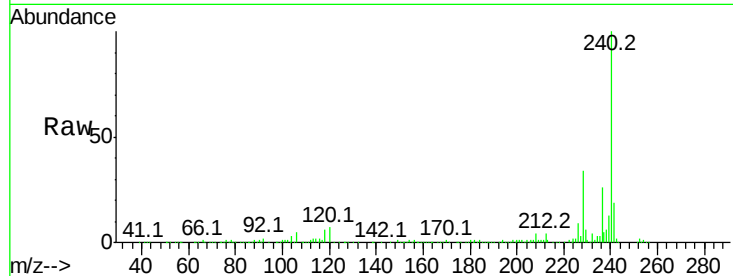
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	240	Resp:	330311
Ion Ratio	Lower	Upper	
240	100		
120	7.0	16.2	24.2#
236	25.5	18.4	27.6

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#76

Benzidine

Concen: 42.46 ng

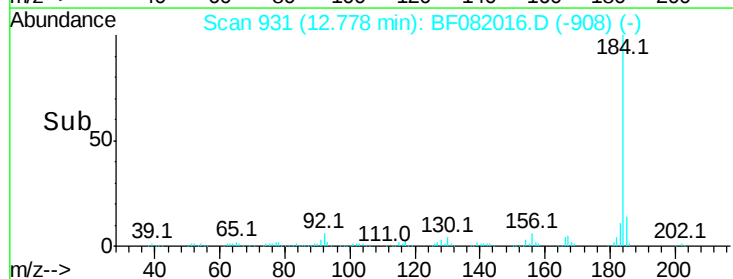
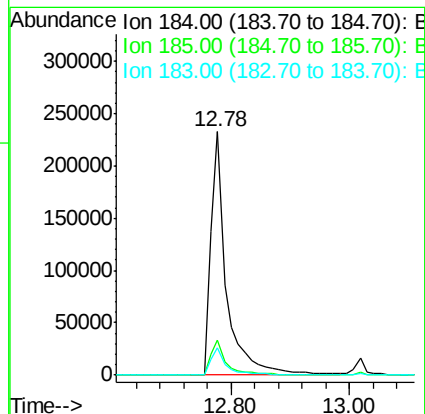
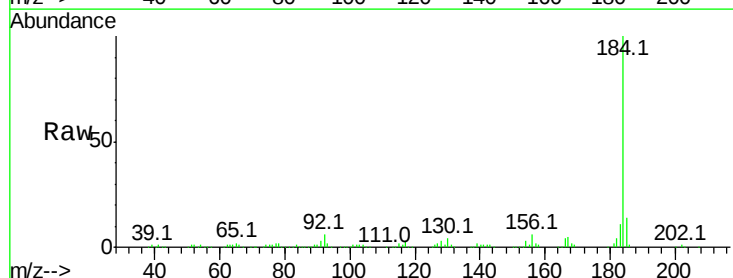
RT: 12.78 min Scan# 931

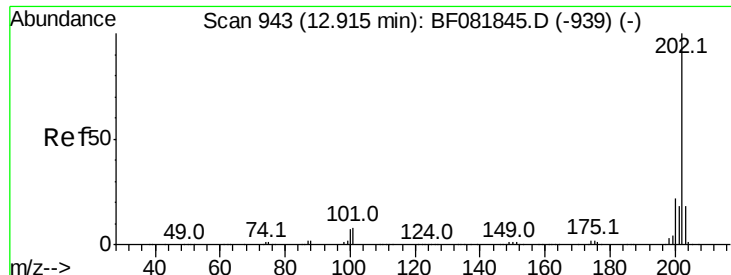
Delta R.T. -0.03 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	184	Resp:	422610
Ion Ratio	Lower	Upper	
184	100		
185	14.1	11.8	17.6
183	11.1	7.6	11.4





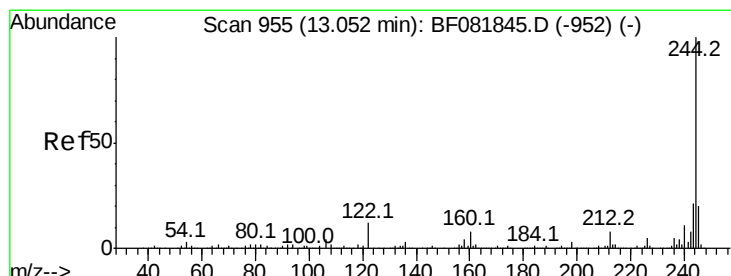
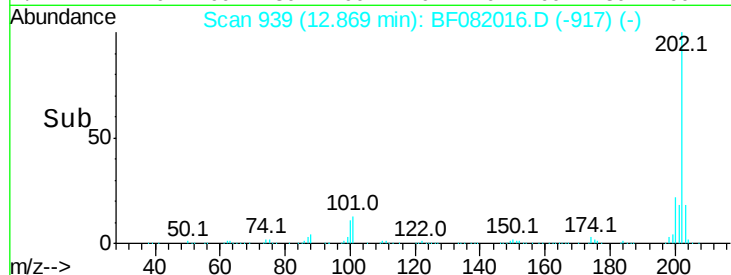
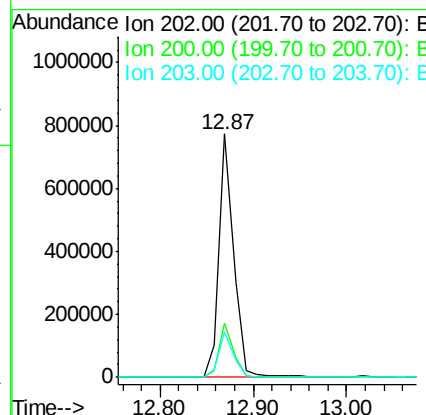
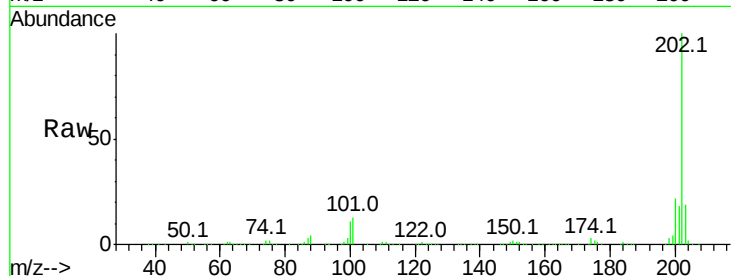
#77
Pvrene
Concen: 42.86 ng
RT: 12.87 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	15.0	22.4
203	18.5	14.1	21.1

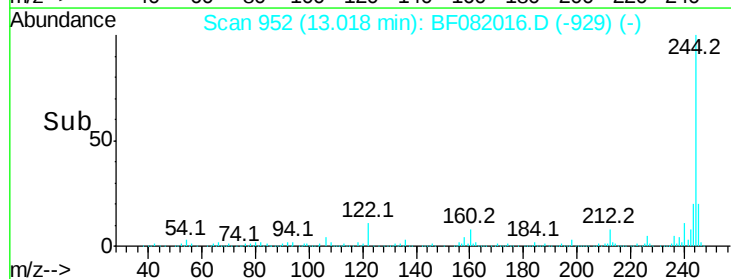
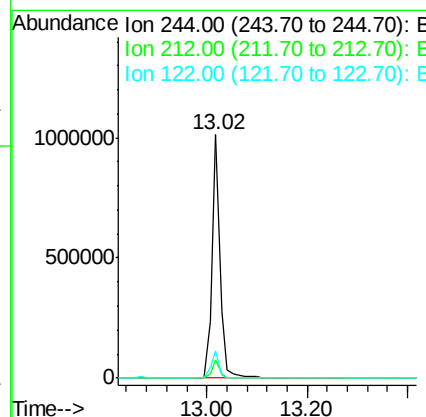
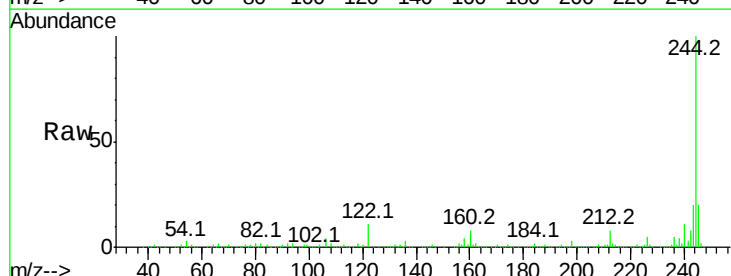
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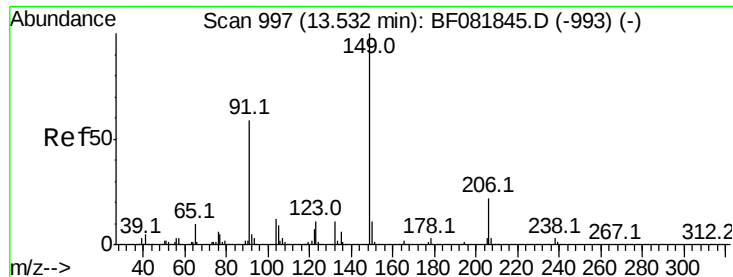
MMDADODA
10/5/2015 6:29:10 PM



#78
Terphenyl-d14
Concen: 126.98 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	11.3	17.4	26.2#





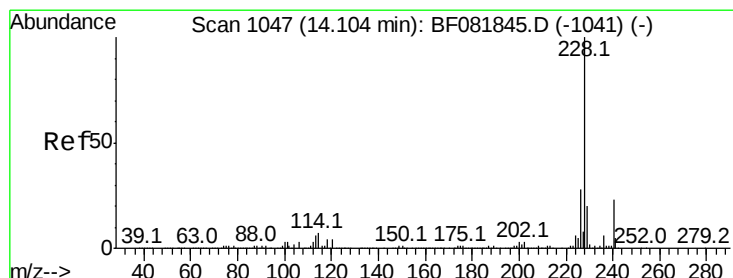
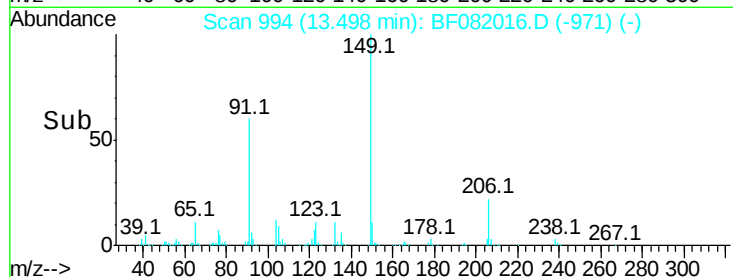
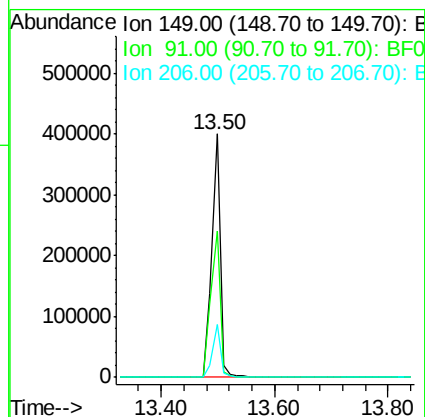
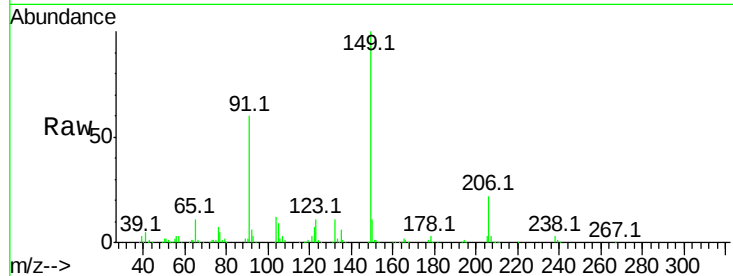
#79
Butylbenzylphthalate
Concen: 53.15 ng
RT: 13.50 min Scan# 994
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	394656		
91	60.3	48.6	72.8	
206	21.9	14.9	22.3	

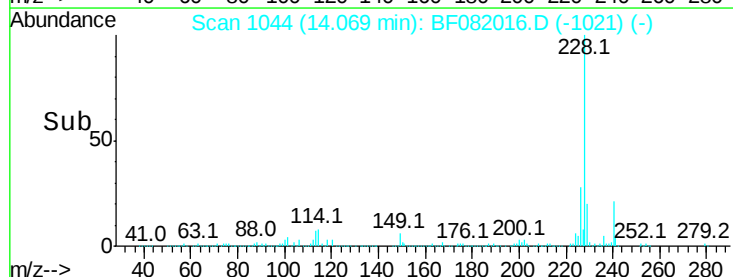
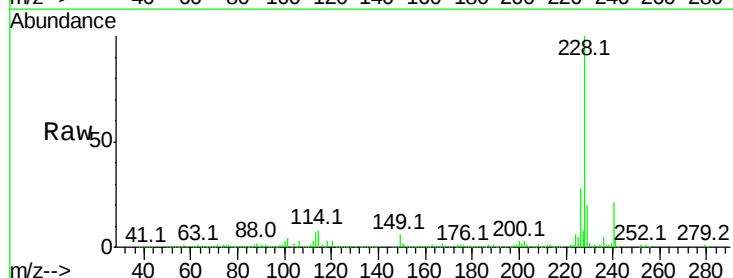
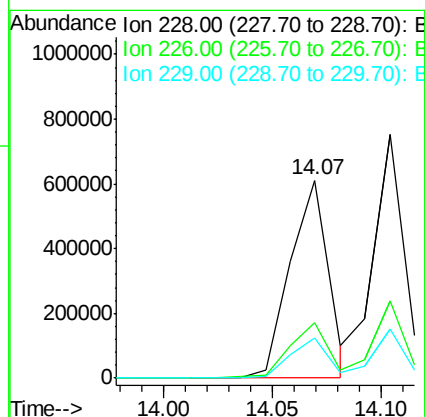
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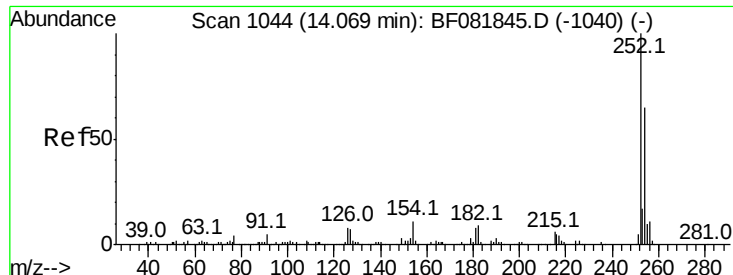
MMDADODA
10/5/2015 6:29:10 PM



#80
Benzo(a)anthracene
Concen: 42.20 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	750540		
226	28.0	20.0	30.0	
229	20.1	15.4	23.2	





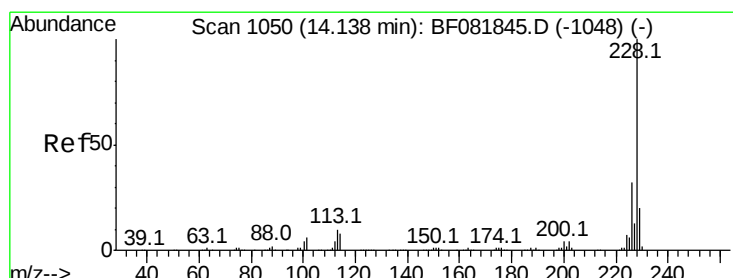
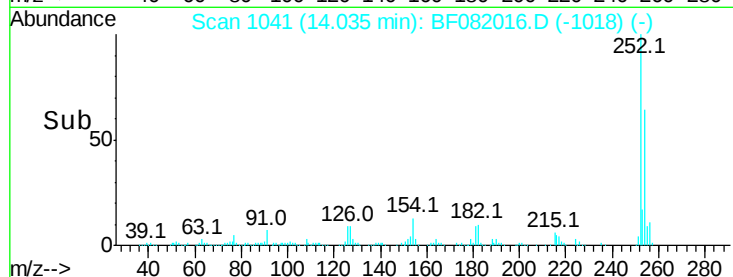
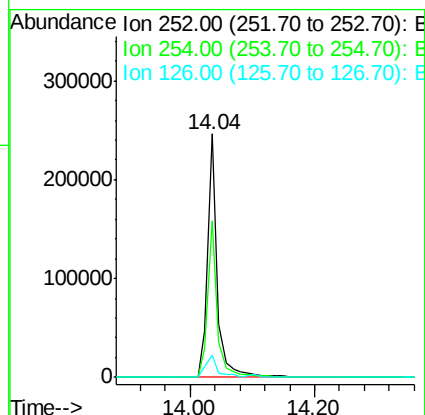
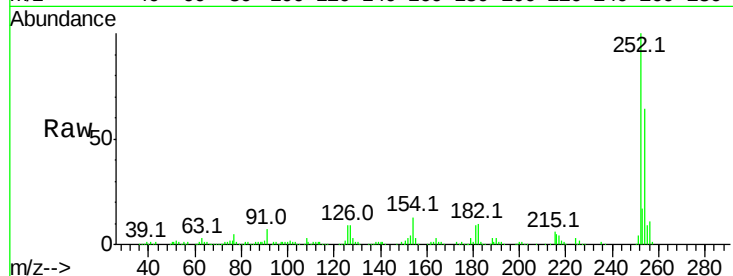
#81
 3,3'-Dichlorobenzidine
 Concen: 44.93 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.3	51.4	77.2
126	9.1	16.4	24.6#

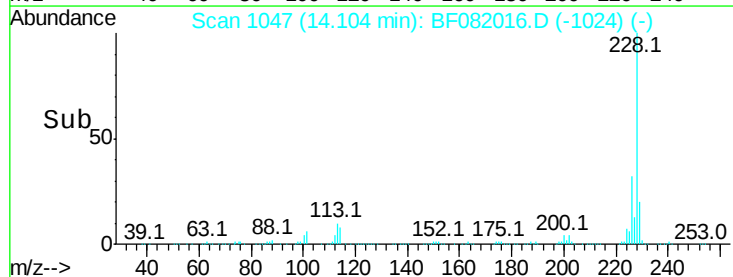
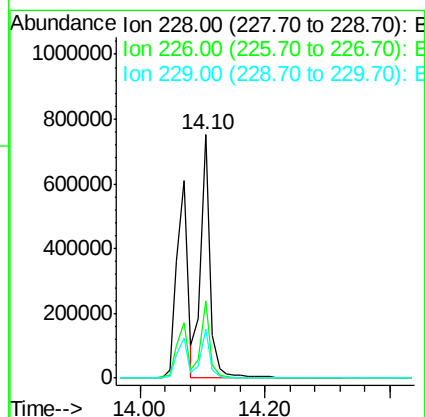
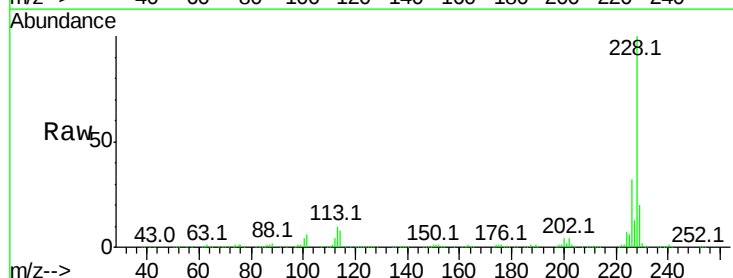
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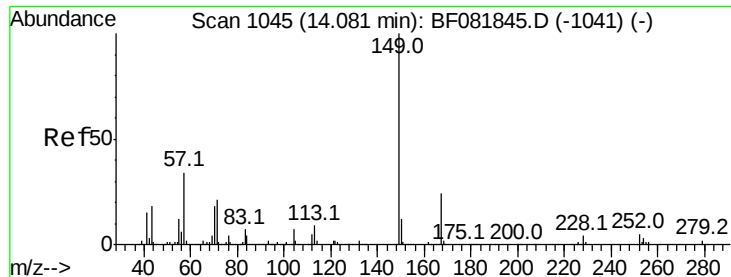
MMDADODA
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#82
 Chrysene
 Concen: Below Cal m
 RT: 14.10 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.6	21.0	31.4#
229	20.4	15.6	23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 54.03 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

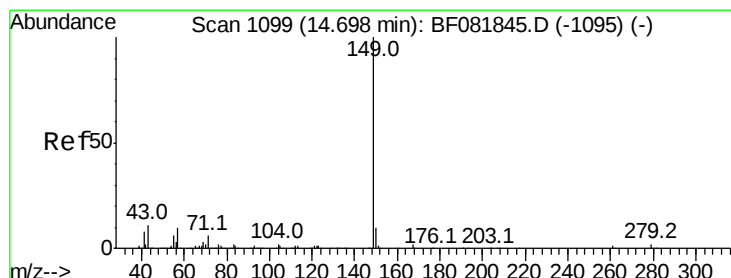
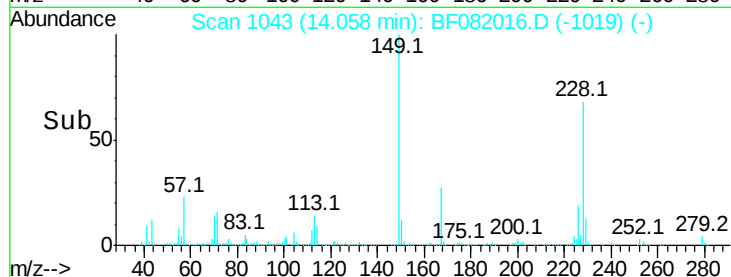
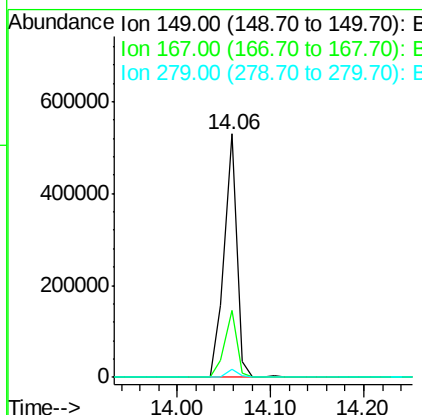
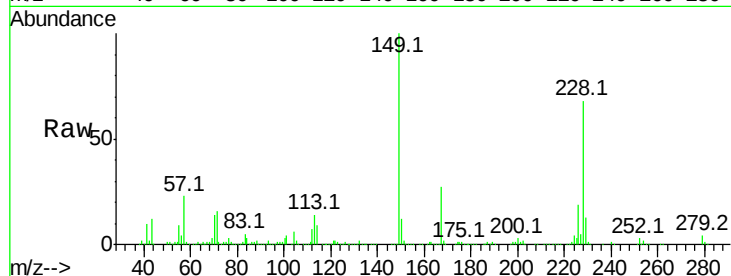
ClientSampleId :

B-2D(3.5-4)MSD

Tot Ion:	149	Resp:	503210
Ion Ratio	Lower	Upper	
149	100		
167	27.4	24.2	36.2
279	3.5	3.8	5.6#

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 58.20 ng

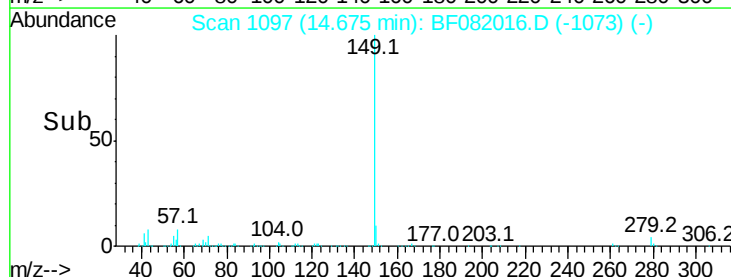
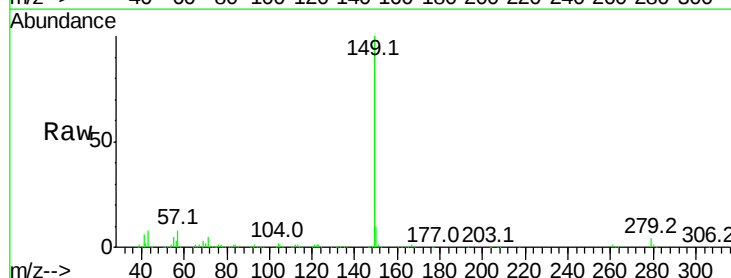
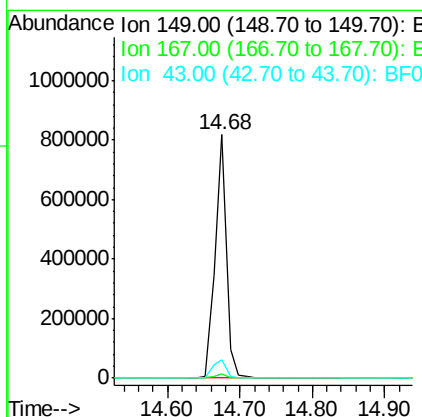
RT: 14.68 min Scan# 1097

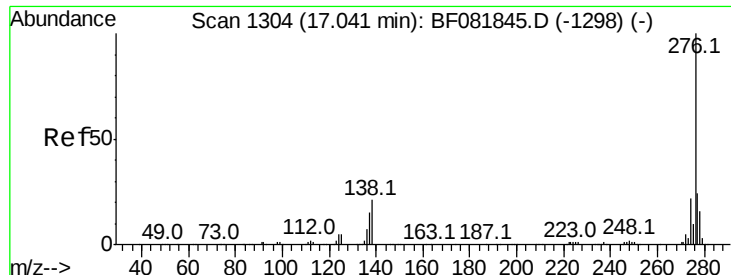
Delta R.T. -0.02 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	149	Resp:	882165
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.0	1.6
43	9.0	10.2	15.2#





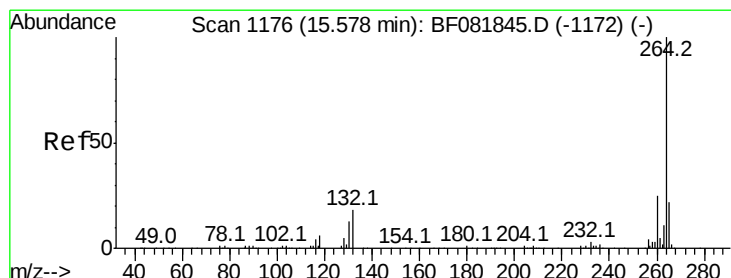
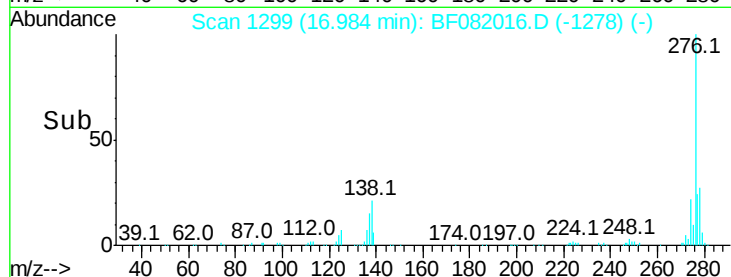
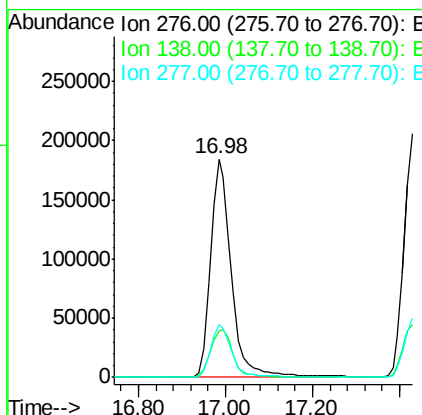
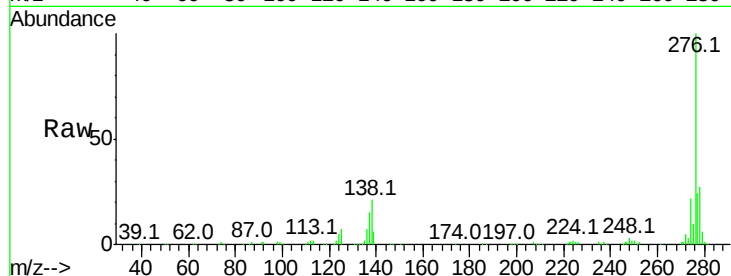
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.49 ng
 RT: 16.98 min Scan# 1299
 Delta R.T. -0.06 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.7	38.5#
277	24.8	15.6	23.4#

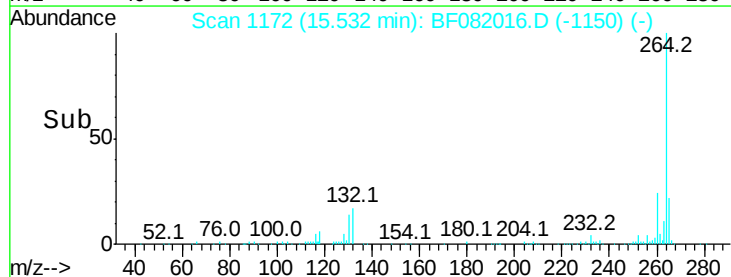
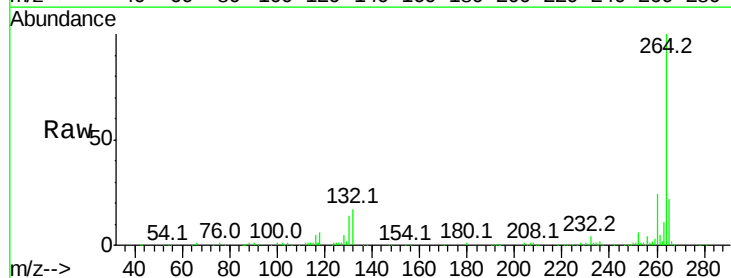
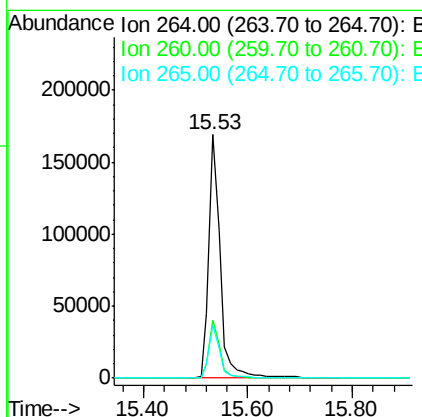
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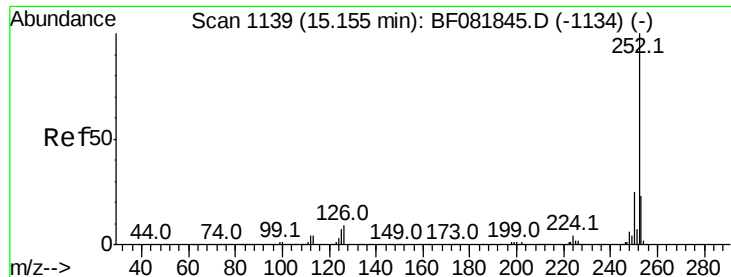
MMDADODA
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 42.10 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Instrument :

BNA_F

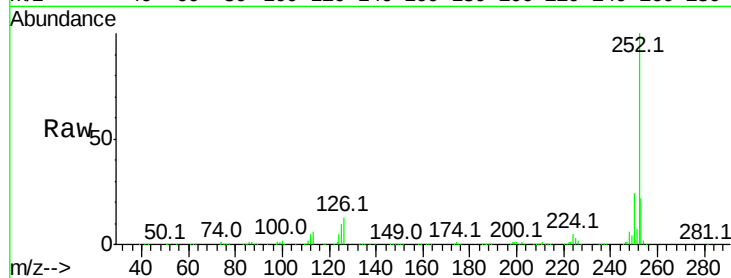
ClientSampleId :

B-2D(3.5-4)MSD

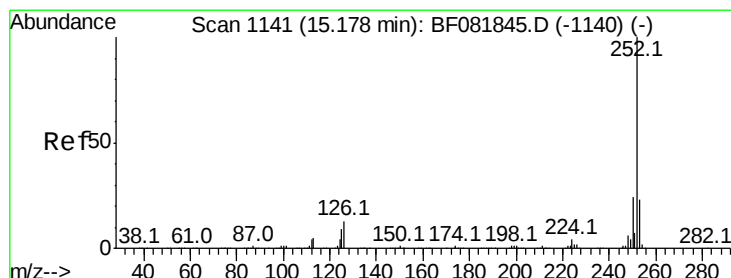
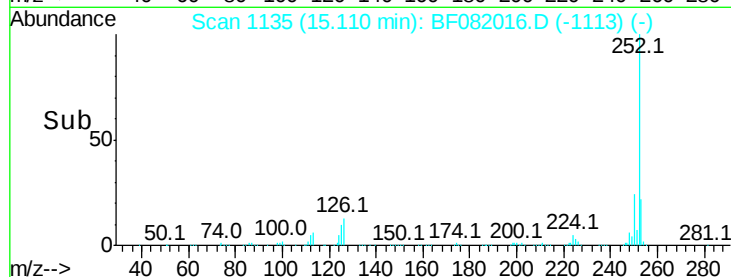
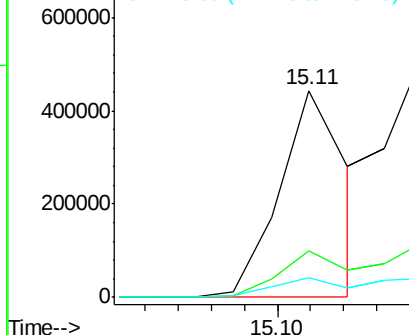
Tot Ion:	252	Resp:	621824
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	9.6	17.1	25.7#

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



#88

Benzo(k)fluoranthene

Concen: 54.28 ng m

RT: 15.14 min Scan# 1138

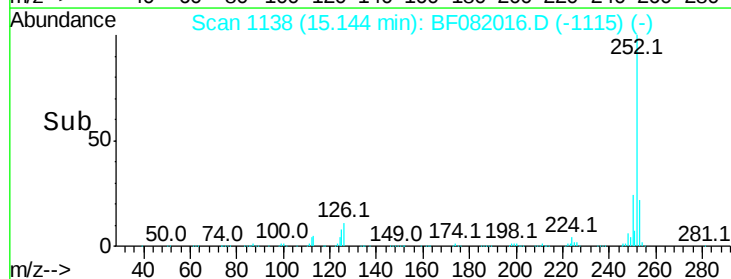
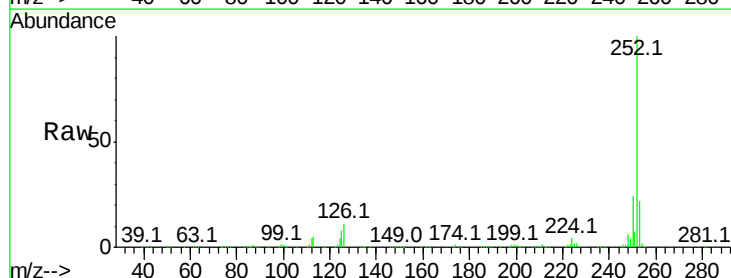
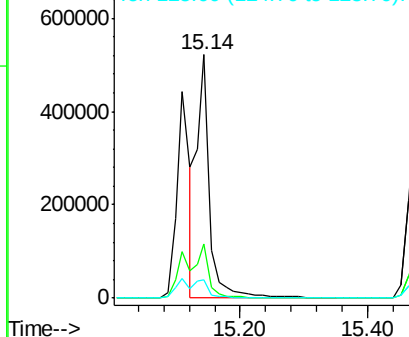
Delta R.T. -0.03 min

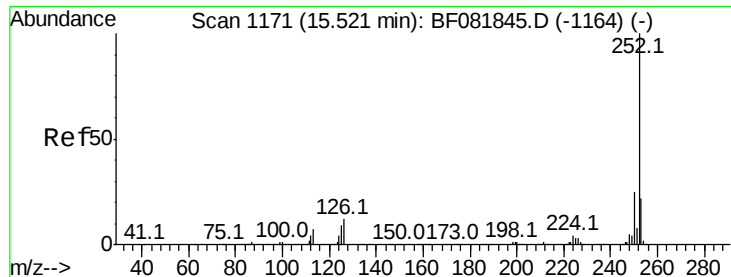
Lab File: BF082016.D

Acq: 3 Oct 2015 11:00

Tgt Ion:	252	Resp:	734855
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.4
125	7.5	16.0	24.0#

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





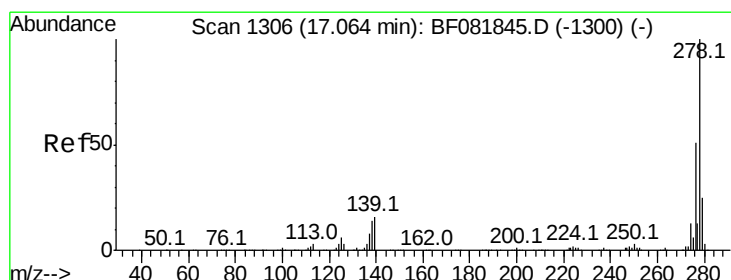
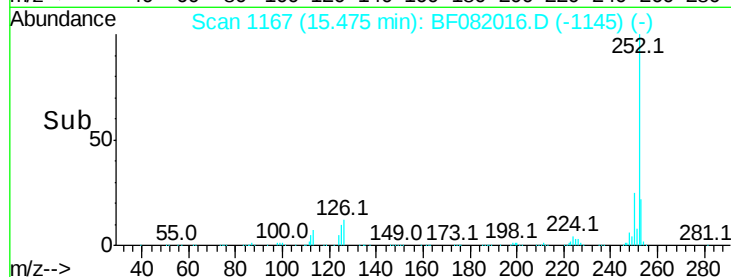
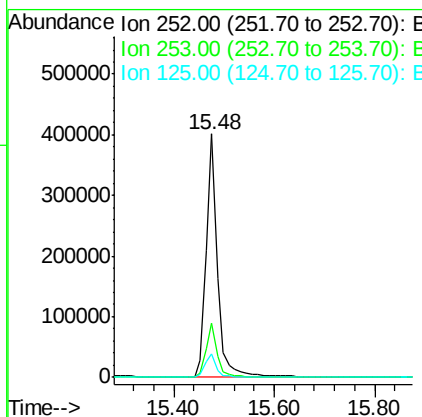
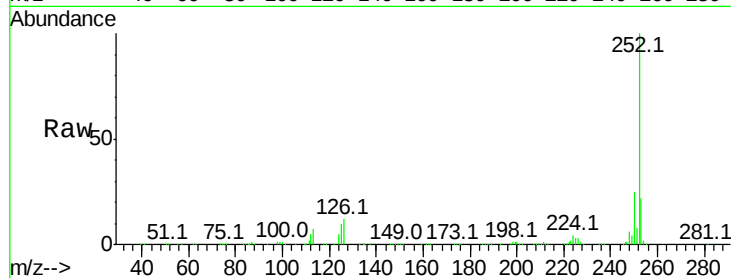
#89
Benzo(a)pyrene
Concen: 48.84 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.8	18.0	27.0

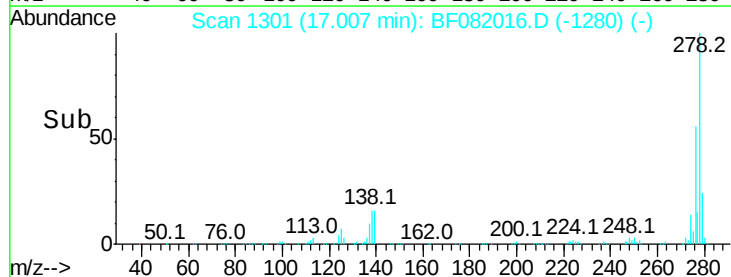
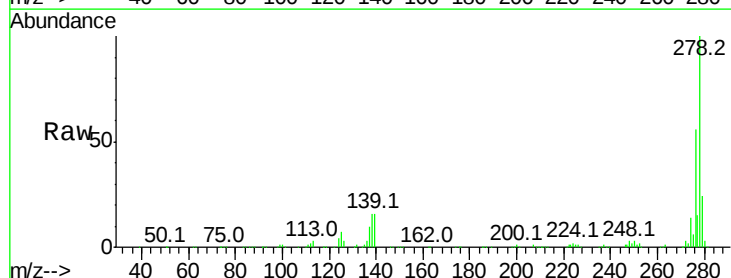
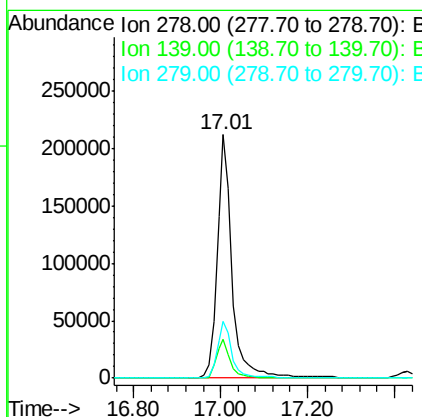
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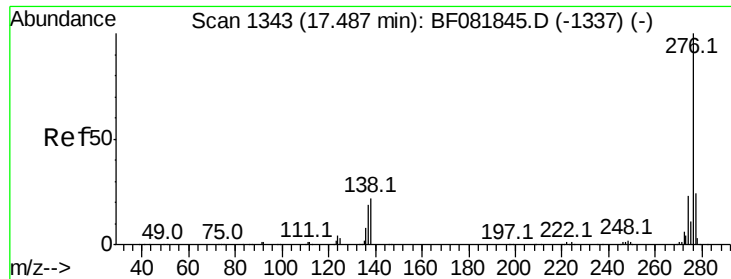
MMDADODA
10/5/2015 6:29:10 PM



#90
Dibenzo(a,h)anthracene
Concen: 47.87 ng
RT: 17.01 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF082016.D
Acq: 3 Oct 2015 11:00

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	15.9	26.3	39.5
279	23.5	18.2	27.4





#91
 Benzo(a,h,i)perylene
 Concen: 45.40 ng
 RT: 17.43 min Scan# 1338
 Delta R.T. -0.06 min
 Lab File: BF082016.D
 Acq: 3 Oct 2015 11:00

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	17.8	26.6
138	21.6	34.6	51.8#

Manual Integrations
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 10/5/2015 6:29:10 PM

