

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083452.D
 Acq On : 3 Dec 2015 9:26
 Operator : UM/IZ
 Sample : G4583-10MS
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Manual Integrations
 APPROVED

Mmdadoda
 12/3/2015 7:10:13 PM

Quant Time: Dec 03 12:36:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	131976	20.00	ng	0.00
21) Naphthalene-d8	7.85	136	378938	20.00	ng	0.01
38) Acenaphthene-d10	9.58	164	227601	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	351381	20.00	ng	0.00
75) Chrysene-d12	14.75	240	279881	20.00	ng	-0.01
86) Perylene-d12	16.81	264	256947	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	1383062	157.25	ng	0.01
7) Phenol-d6	6.22	99	1816207	150.87	ng	0.00
23) Nitrobenzene-d5	7.12	82	1142730	132.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	304445	133.25	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1622444	101.58	ng	-0.01
78) Terphenyl-d14	13.21	244	1249041	106.43	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.00	88	167377	35.14	ng	# 87
3) Pyridine	2.60	79	538946	45.24	ng	97
4) n-Nitrosodimethylamine	2.57	42	277361	47.30	ng	93
6) Aniline	6.21	93	534591	32.46	ng	89
8) 2-Chlorophenol	6.34	128	482282	49.71	ng	92
9) Benzaldehyde	6.08	77	307563	59.16	ng	# 82
10) Phenol	6.24	94	770814	53.22	ng	100
11) bis(2-Chloroethyl)ether	6.29	93	549762	52.18	ng	94
12) 1,3-Dichlorobenzene	6.48	146	498770	46.25	ng	97
13) 1,4-Dichlorobenzene	6.56	146	522332	46.86	ng	97
14) 1,2-Dichlorobenzene	6.72	146	454846	44.48	ng	# 94
15) Benzyl Alcohol	6.70	79	451197	48.49	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.84	45	907288	49.07	ng	58
17) 2-Methylphenol	6.84	107	418113	51.70	ng	97
18) Hexachloroethane	7.05	117	198383	51.25	ng	# 84
19) n-Nitroso-di-n-propylamine	6.98	70	394448	45.84	ng	91
20) 3+4-Methylphenols	7.00	107	565210	51.60	ng	99
22) Acetophenone	6.97	105	734233	64.76	ng	96
24) Nitrobenzene	7.14	77	634241	68.90	ng	92
25) Isophorone	7.39	82	1125219	67.39	ng	97
26) 2-Nitrophenol	7.46	139	249752	66.46	ng	# 86
27) 2,4-Dimethylphenol	7.54	122	451405	71.66	ng	98
28) bis(2-Chloroethoxy)methane	7.63	93	632069	66.47	ng	# 98
29) 2,4-Dichlorophenol	7.73	162	411717	67.96	ng	94
30) 1,2,4-Trichlorobenzene	7.81	180	430290	65.25	ng	98
31) Naphthalene	7.89	128	17065958	830.04	ng	# 84
32) Benzoic acid	7.66	122	160784	37.01	ng	89
33) 4-Chloroaniline	7.93	127	169377m	19.11	ng	
34) Hexachlorobutadiene	7.98	225	241650	64.54	ng	98
35) Caprolactam	8.29	113	143883	75.16	ng	# 92
36) 4-Chloro-3-methylphenol	8.43	107	451996	66.52	ng	91
37) 2-Methylnaphthalene	8.56	142	3426462	249.36	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	393120	54.49	ng	97
40) Hexachlorocyclopentadiene	8.70	237	31468	9.18	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	265583	52.48	nq	99
43) 2,4,5-Trichlorophenol	8.89	196	273917	52.24	nq	95
45) 1,1'-Biphenyl	9.01	154	1840263	92.20	nq	94
46) 2-Chloronaphthalene	9.04	162	807007	53.06	nq	95
47) 2-Nitroaniline	9.14	65	318483	52.87	nq	# 78
48) Acenaphthylene	9.45	152	2585180	106.56	nq	96
49) Dimethylphthalate	9.32	163	1144636	61.88	nq	99
50) 2,6-Dinitrotoluene	9.39	165	200803	50.84	nq	97
51) Acenaphthene	9.63	154	3118363	218.52	nq	98
52) 3-Nitroaniline	9.56	138	147414	31.84	nq	82
53) 2,4-Dinitrophenol	9.68	184	37650	19.56	nq	# 87
54) Dibenzofuran	9.79	168	1358618	64.97	nq	92
55) 4-Nitrophenol	9.76	139	281575m	97.23	nq	
56) 2,4-Dinitrotoluene	9.79	165	257565	51.39	nq	98
57) Fluorene	10.13	166	2297399	139.13	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	205690	48.62	nq	# 75
59) Diethylphthalate	10.02	149	835017	47.36	nq	98
60) 4-Chlorophenyl-phenylether	10.12	204	323739	42.67	nq	# 87
61) 4-Nitroaniline	10.17	138	212096	45.79	nq	96
62) Azobenzene	10.28	77	1075458	50.50	nq	95
64) 4,6-Dinitro-2-methylphenol	10.20	198	34411	14.59	nq	# 48
65) n-Nitrosodiphenylamine	10.25	169	813947	65.92	nq	99
66) 4-Bromophenyl-phenylether	10.62	248	230376	59.94	nq	99
67) Hexachlorobenzene	10.69	284	234066	55.07	nq	# 74
68) Atrazine	10.83	200	230416	67.47	nq	95
69) Pentachlorophenol	10.93	266	237461	106.66	nq	99
70) Phenanthrene	11.17	178	7292701m	350.70	nq	
71) Anthracene	11.22	178	3088550	147.54	nq	98
72) Carbazole	11.40	167	1022802	54.38	nq	99
73) Di-n-butylphthalate	11.85	149	1336310	59.95	nq	99
74) Fluoranthene	12.67	202	4430601	205.55	nq	99
76) Benzidine	12.87	184	543310	65.17	nq	97
77) Pyrene	12.99	202	5472787	279.99	nq	93
79) Butylbenzylphthalate	13.95	149	475147	57.30	nq	85
80) Benzo(a)anthracene	14.74	228	2690202	156.89	nq	94
81) 3,3'-Dichlorobenzidine	14.72	252	279929	52.27	nq	96
82) Chrysene	14.80	228	2251068	135.88	nq	98
83) Bis(2-ethylhexyl)phthalate	14.85	149	673299	60.53	nq	98
84) Di-n-octyl phthalate	15.83	149	1110337	67.04	nq	97
85) Indeno(1,2,3-cd)pyrene	18.20	276	1350115	111.90	nq	98
87) Benzo(b)fluoranthene	16.32	252	2416805m	146.59	nq	
88) Benzo(k)fluoranthene	16.34	252	1168364m	75.05	nq	
89) Benzo(a)pyrene	16.75	252	2274374	160.61	nq	# 96
90) Dibenzo(a,h)anthracene	18.21	278	717947	58.18	nq	99
91) Benzo(g,h,i)perylene	18.58	276	1270906	104.94	nq	98

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

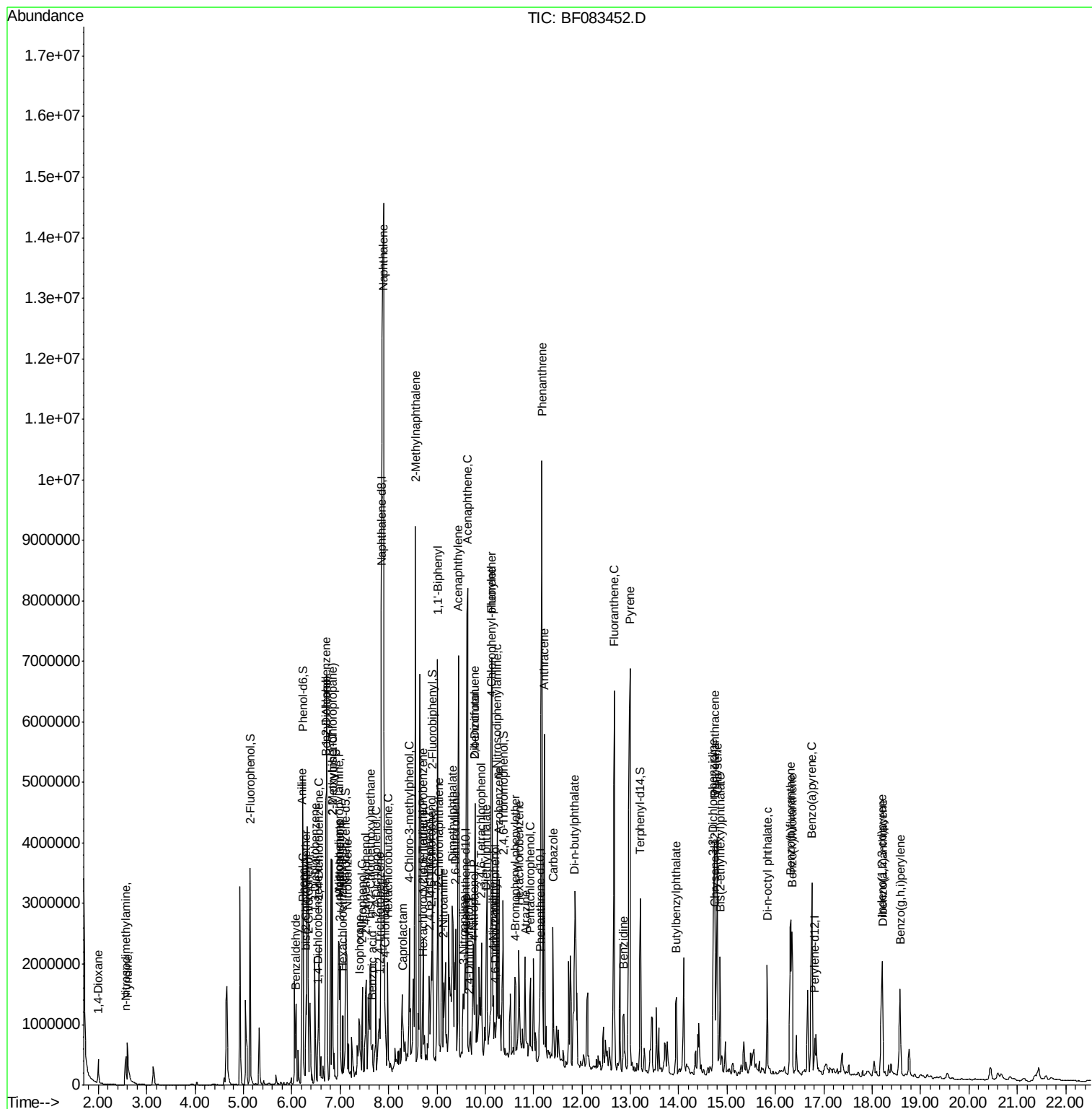
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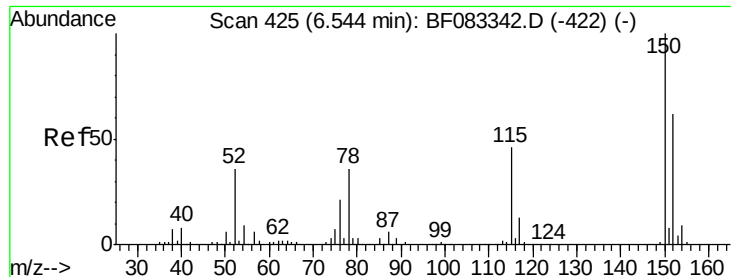
Instrument :
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ClientSampleId :
SB-P3WC-09(0-8)MS

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#1

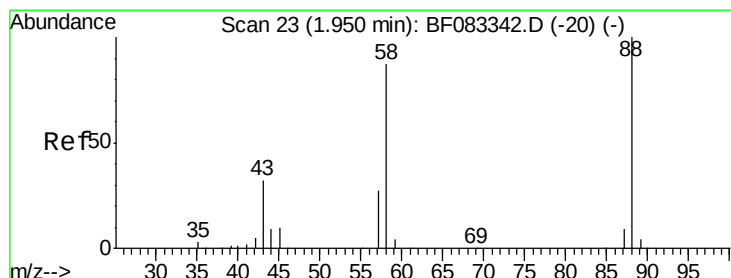
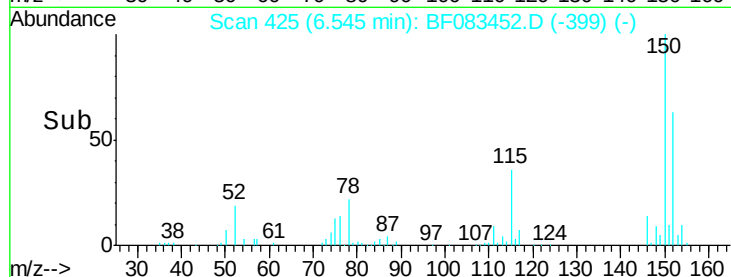
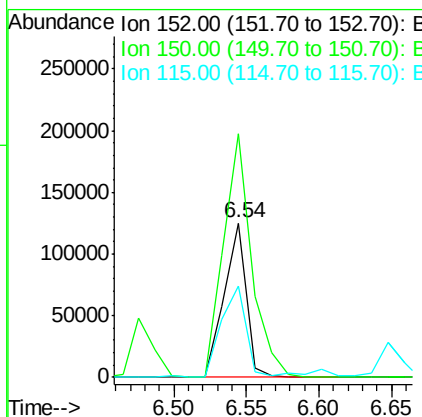
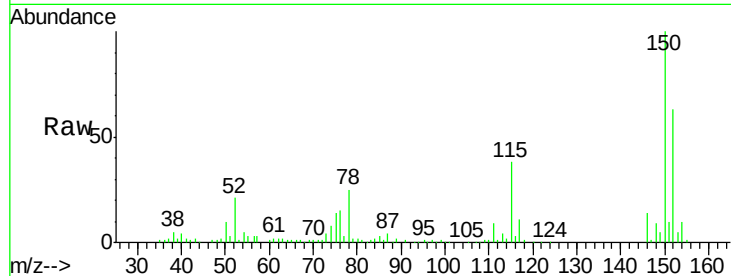
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	129.8	194.8
115	59.3	59.2	88.8

Manual Integrations
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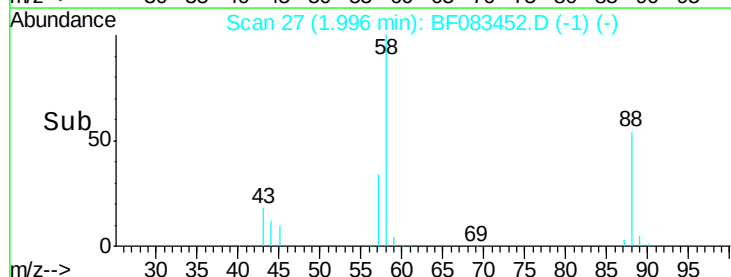
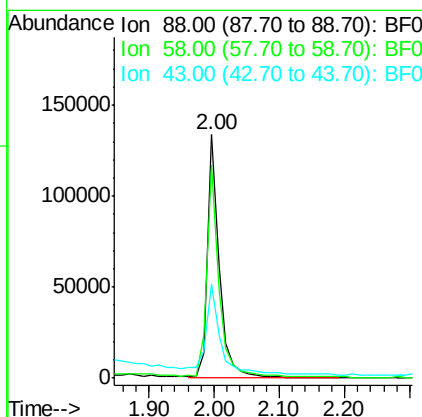
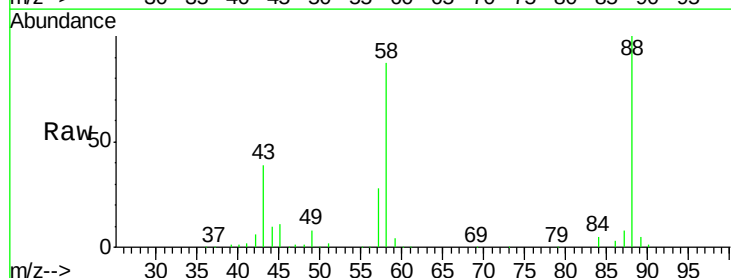
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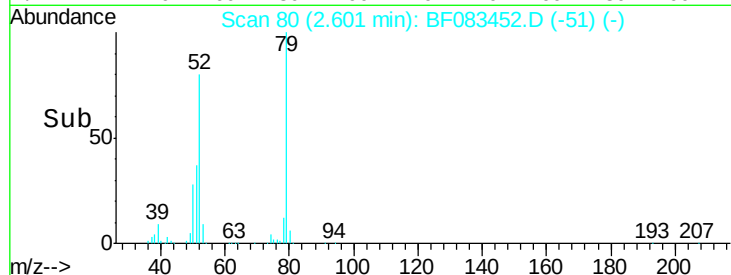
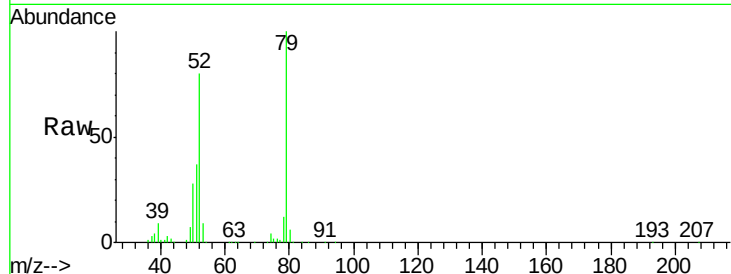
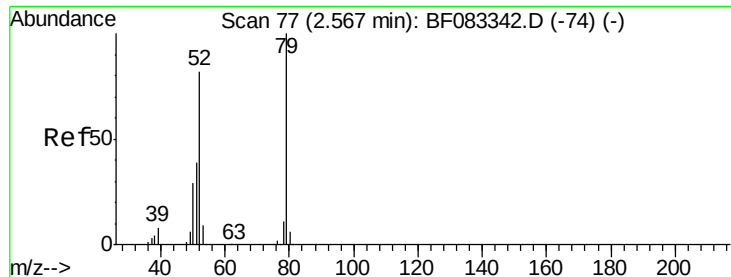


#2

1,4-Dioxane
Concen: 35.14 ng
RT: 2.00 min Scan# 27
Delta R.T. 0.05 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.2	66.6	100.0
43	48.8	27.1	40.7#





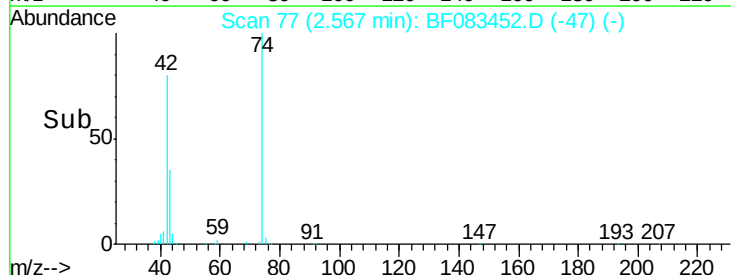
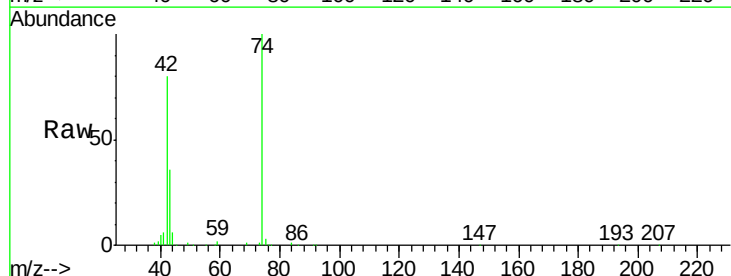
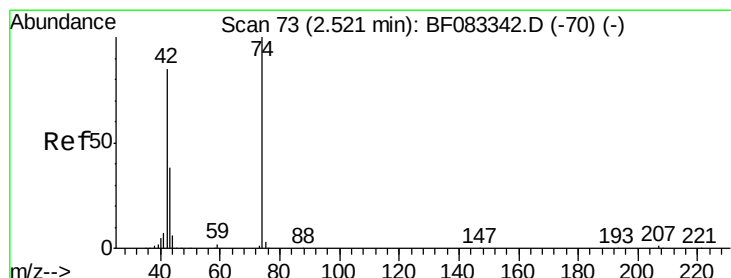
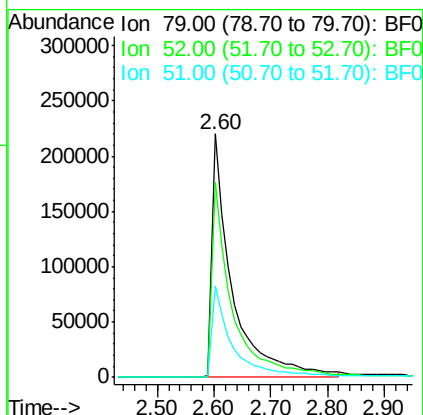
#3
 Pvridine
 Concen: 45.24 ng
 RT: 2.60 min Scan# 80
 Delta R.T. 0.04 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tot Ion:	79	Resp:	538946
Ion Ratio	Lower	Upper	
79	100		
52	80.3	65.9	98.9
51	37.3	32.3	48.5

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

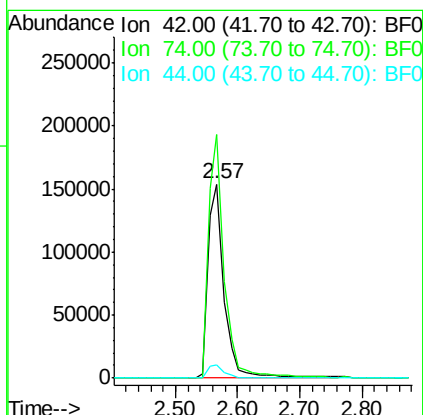
Manual Integrations
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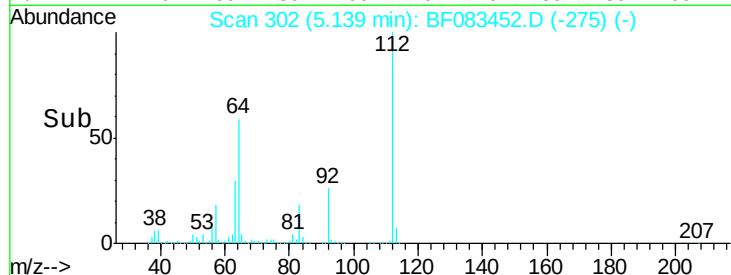
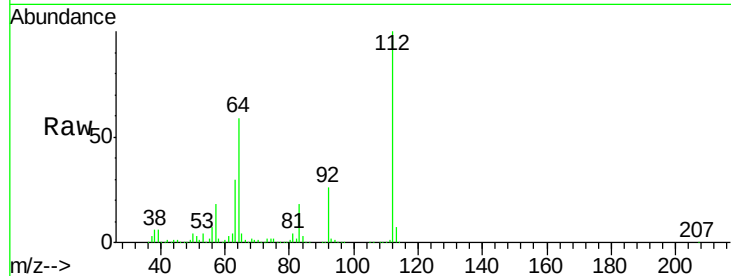
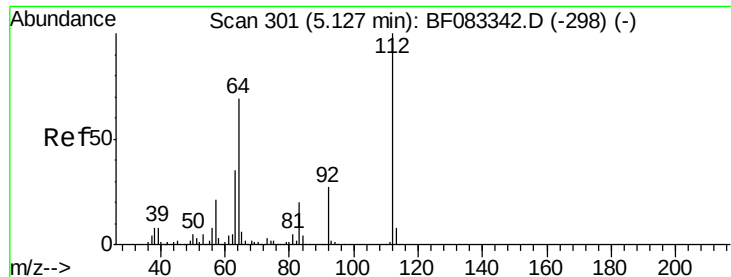
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#4
 n-Nitrosodimethylamine
 Concen: 47.30 ng
 RT: 2.57 min Scan# 77
 Delta R.T. 0.05 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion:	42	Resp:	277361
Ion Ratio	Lower	Upper	
42	100		
74	125.4	93.7	140.5
44	6.9	5.6	8.4





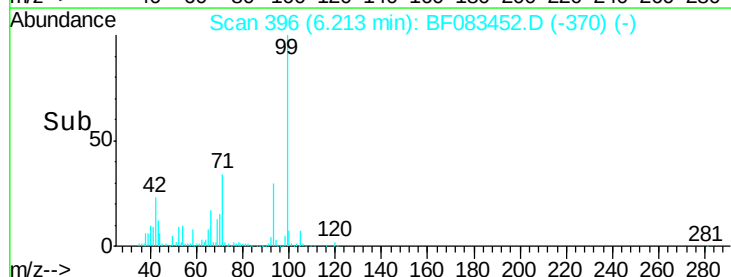
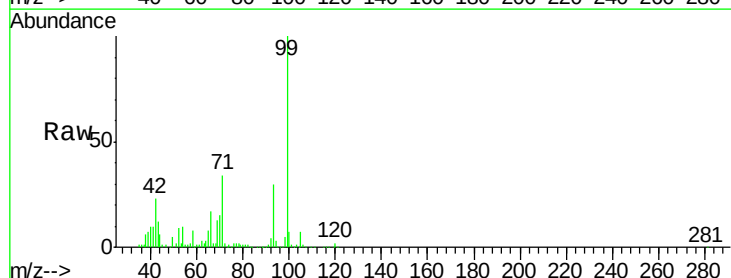
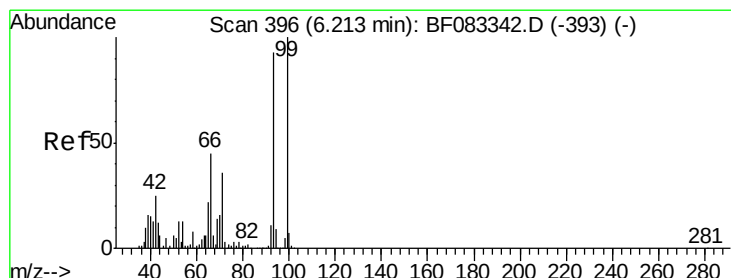
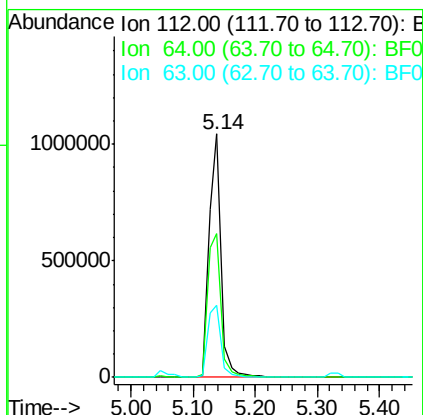
#5
2-Fluorophenol
Concen: 157.25 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tot Ion	Ratio	Lower	Upper
112	100		
64	59.0	55.6	83.4
63	29.8	28.2	42.2

Instrument :
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ClientSampleId :
SB-P3WC-09(0-8)MS

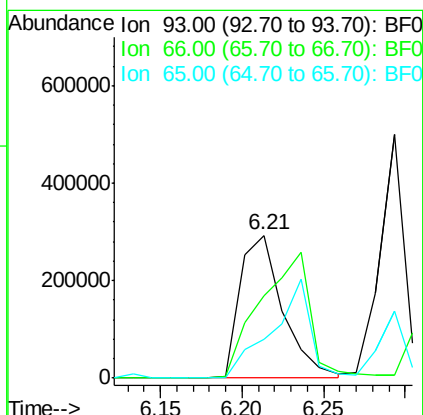
Manual Integrations
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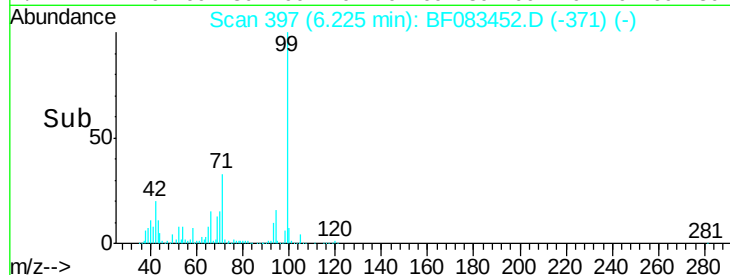
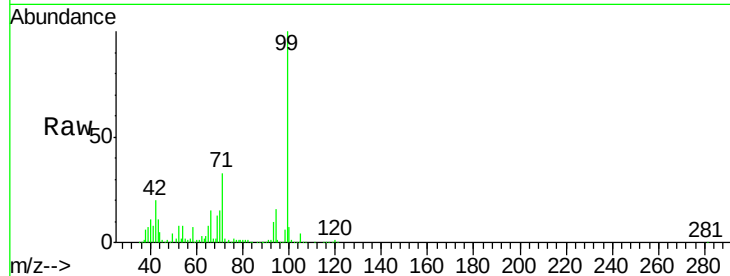
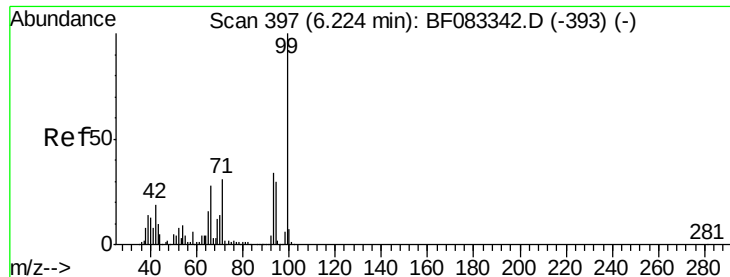
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#6
Aniline
Concen: 32.46 ng
RT: 6.21 min Scan# 396
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
93	100		
66	57.5	38.7	58.1
65	26.7	19.0	28.6





#7

Phenol-d6

Concen: 150.87 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tot Ion: 99 Resp: 1816207

Ion Ratio Lower Upper

99 100

42 19.8 14.9 22.3

71 33.1 24.7 37.1

Instrument :

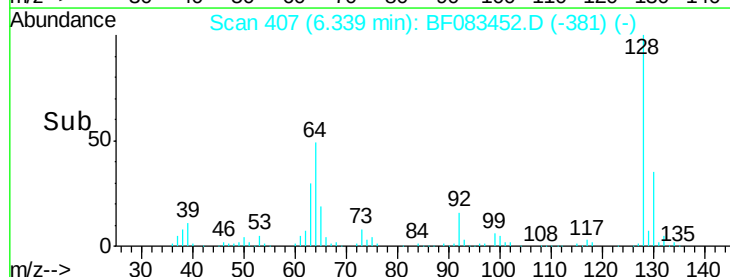
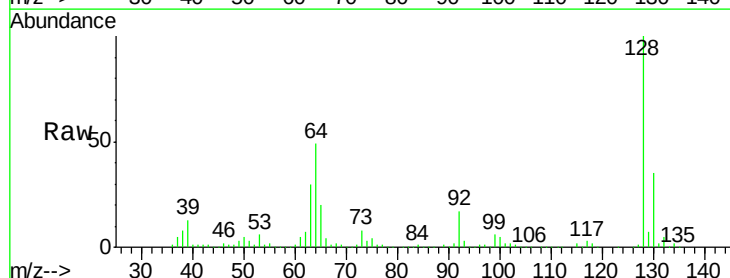
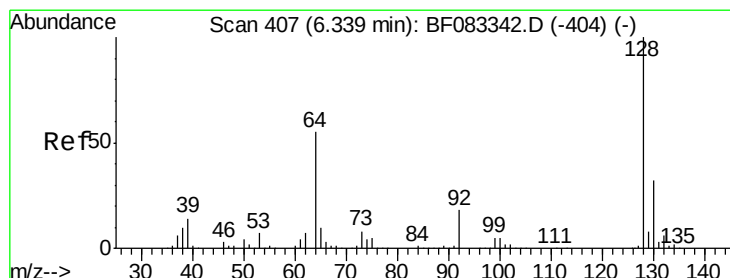
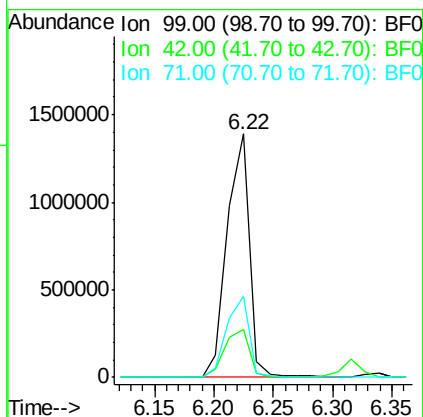
BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MS

Manual Integrations
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#8

2-Chlorophenol

Concen: 49.71 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

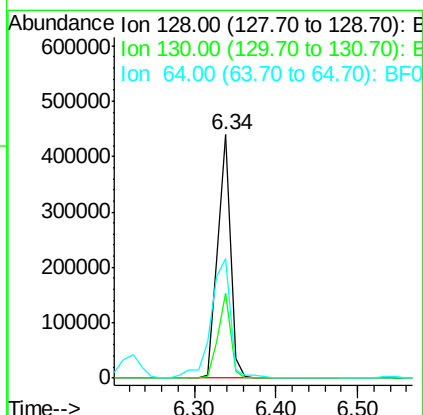
Tgt Ion:128 Resp: 482282

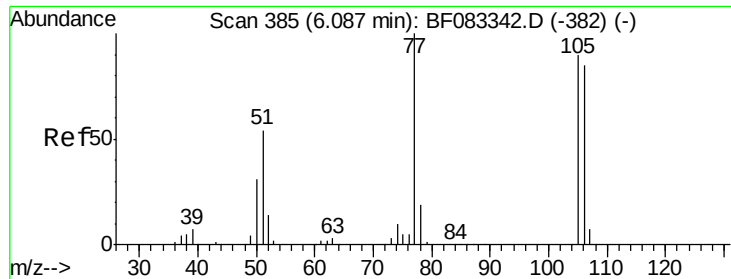
Ion Ratio Lower Upper

128 100

130 34.8 12.3 52.3

64 49.2 36.4 76.4





#9

Benzaldehyde

Concen: 59.16 ng

RT: 6.08 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

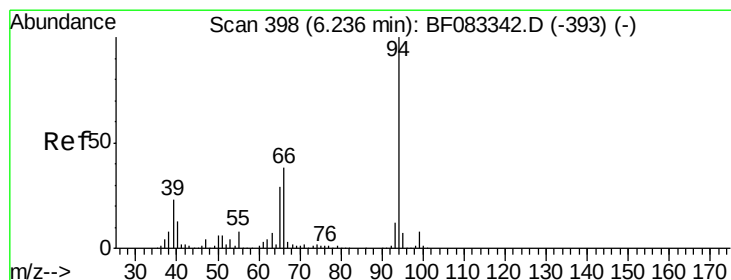
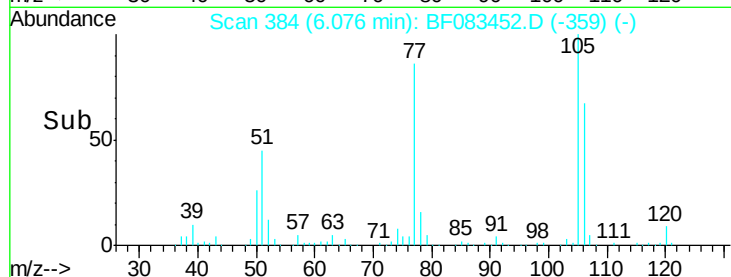
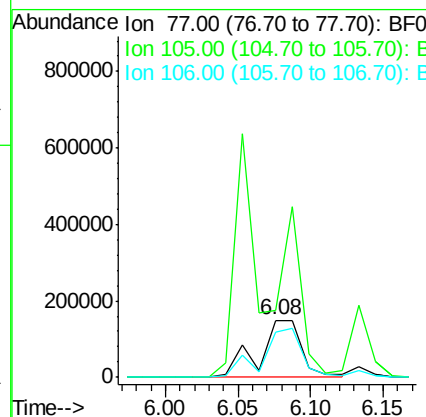
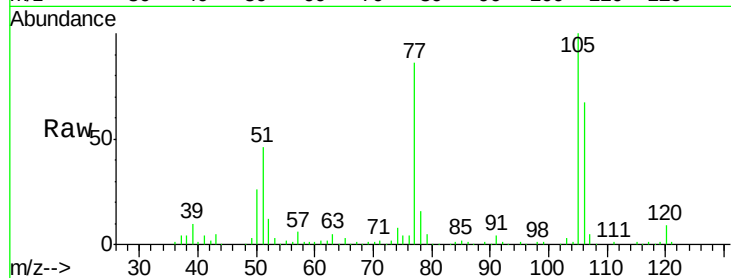
ClientSampleId :

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12/3/2015 7:10:13 PM

Tot Ion	Ratio	Lower	Upper
77	100		
105	116.3	70.0	110.0#
106	78.2	65.0	105.0



#10

Phenol

Concen: 53.22 ng

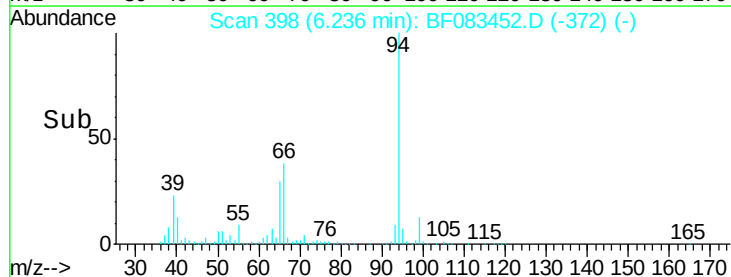
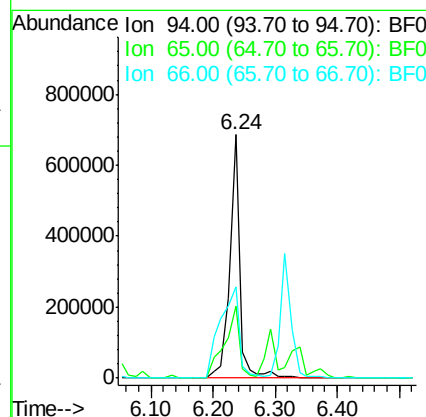
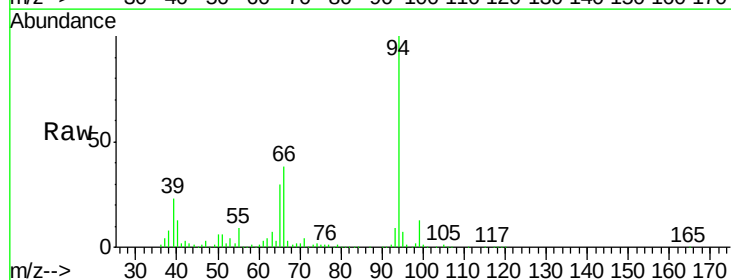
RT: 6.24 min Scan# 398

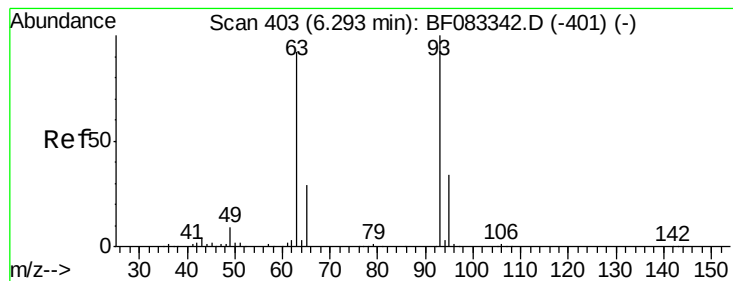
Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.5	49.5
66	37.6	17.9	57.9





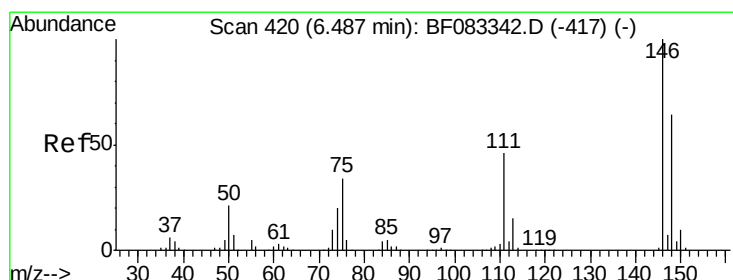
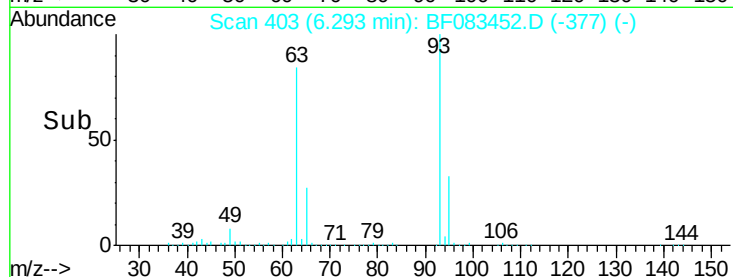
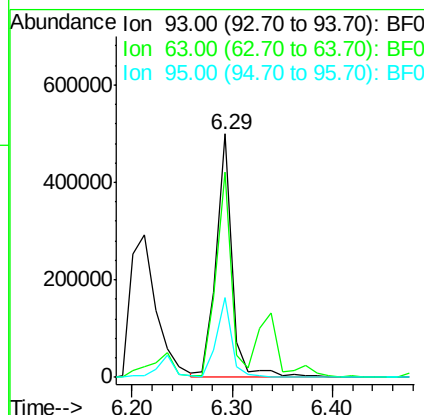
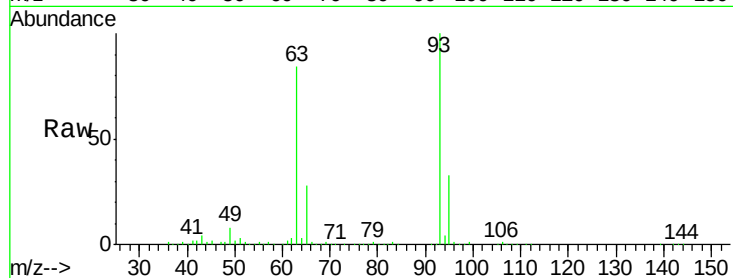
#11
bis(2-Chloroethyl)ether
Concen: 52.18 ng
RT: 6.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.4	71.4	111.4
95	32.9	13.4	53.4

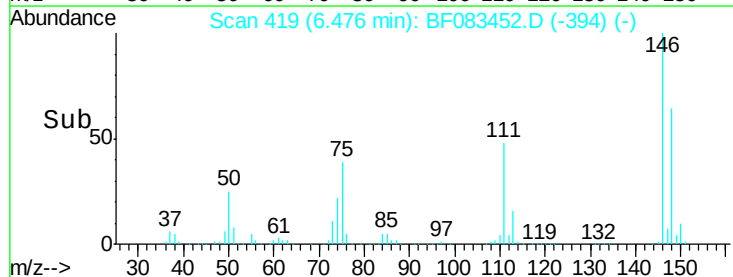
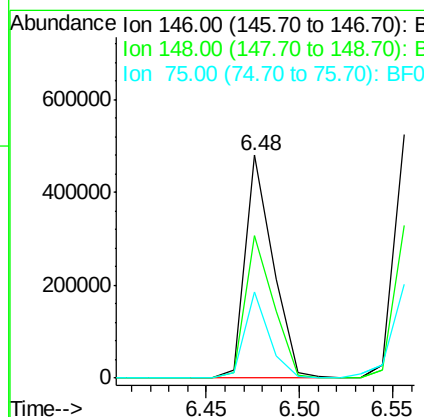
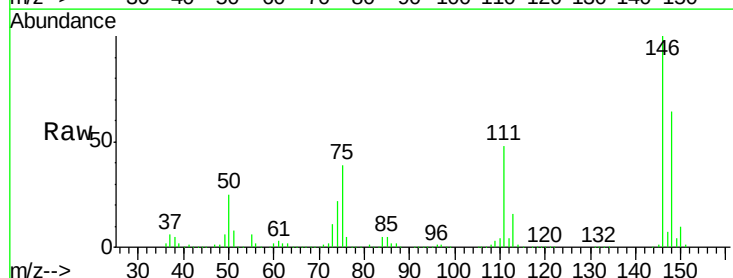
Manual Integrations
APPROVED

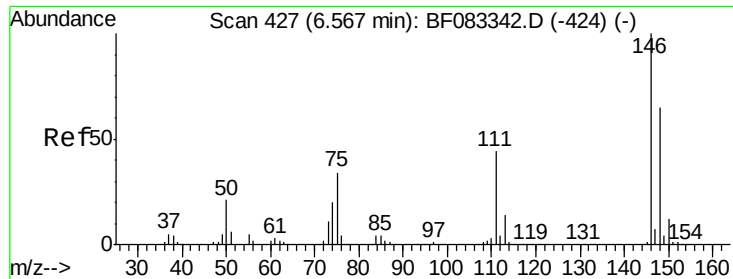
Mmdadoda
12/3/2015 7:10:13 PM



#12
1,3-Dichlorobenzene
Concen: 46.25 ng
RT: 6.48 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.1	76.7
75	38.9	27.5	41.3





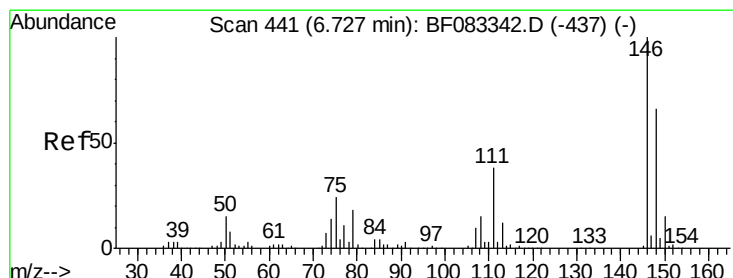
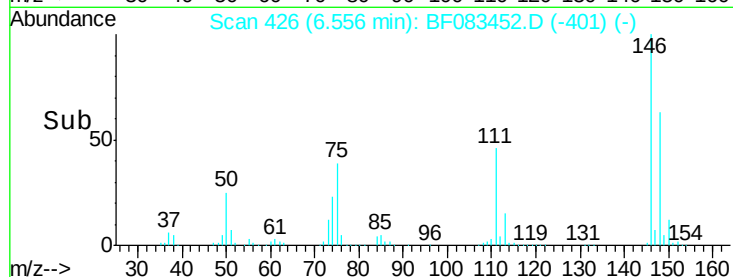
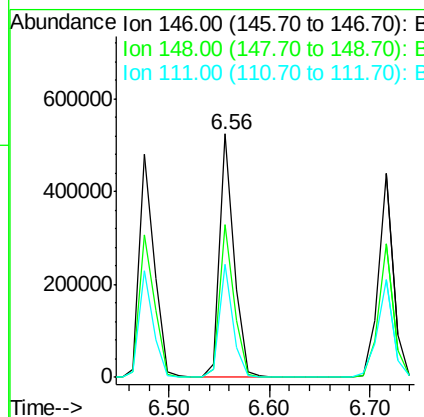
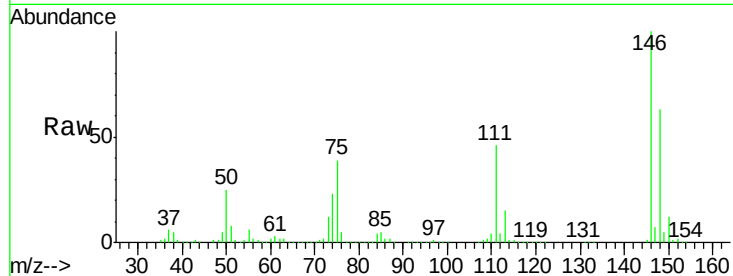
#13
 1,4-Dichlorobenzene
 Concen: 46.86 ng
 RT: 6.56 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.1	78.1
111	46.3	35.4	53.0

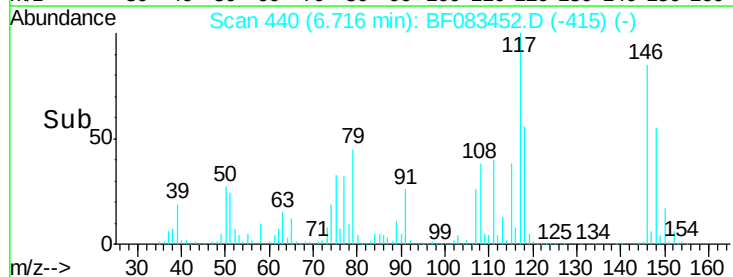
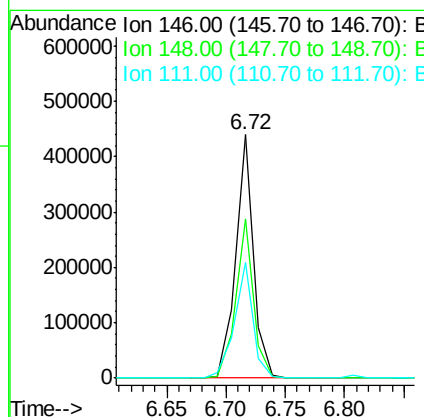
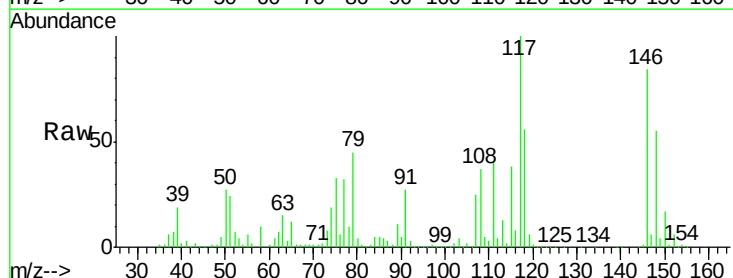
Manual Integrations
 APPROVED

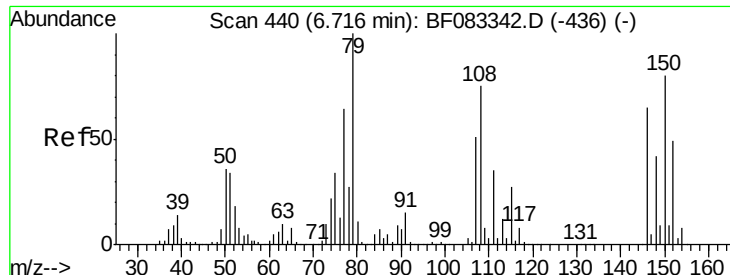
Mmdadoda
 12/3/2015 7:10:13 PM



#14
 1,2-Dichlorobenzene
 Concen: 44.48 ng
 RT: 6.72 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.5	78.7
111	47.7	30.6	46.0





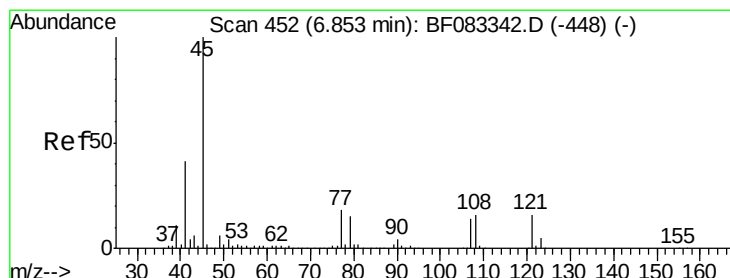
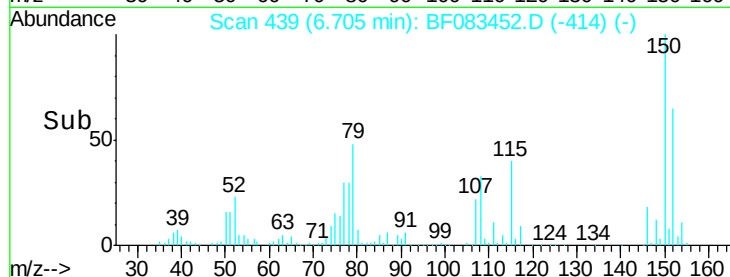
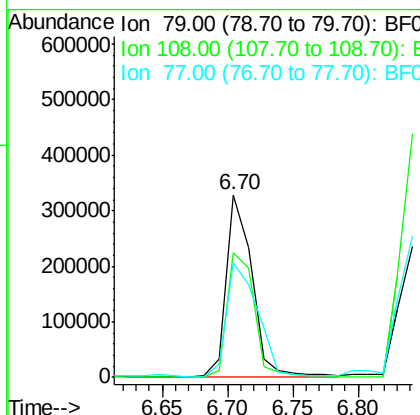
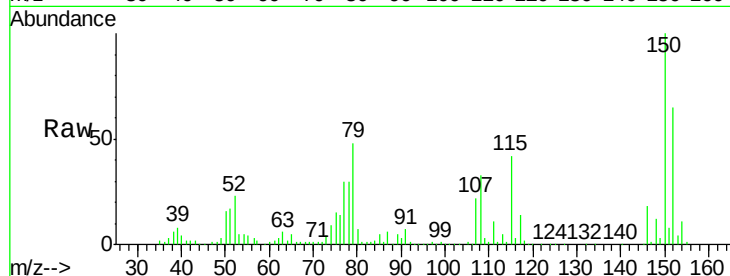
#15
Benzyl Alcohol
Concen: 48.49 ng
RT: 6.70 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	68.0	59.9	89.9
77	62.7	51.0	76.6

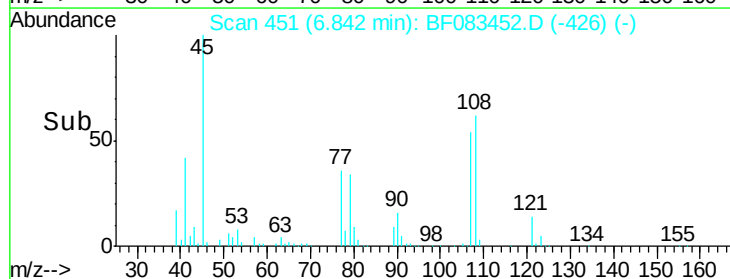
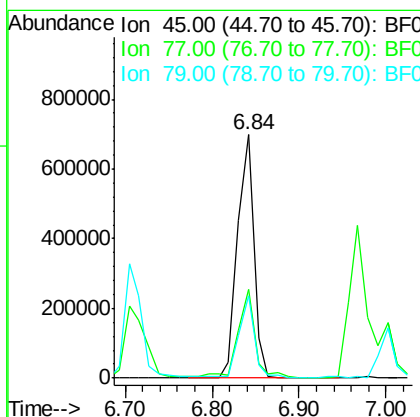
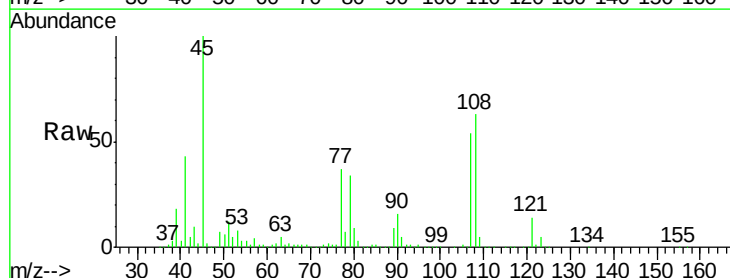
Manual Integrations
APPROVED

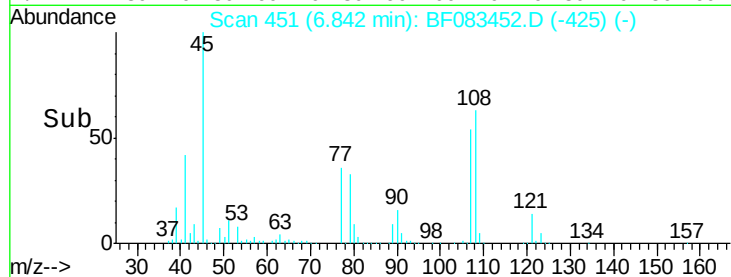
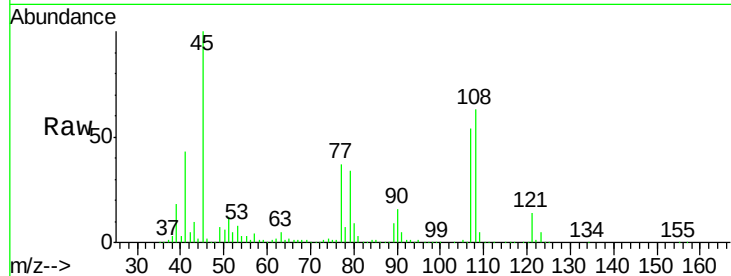
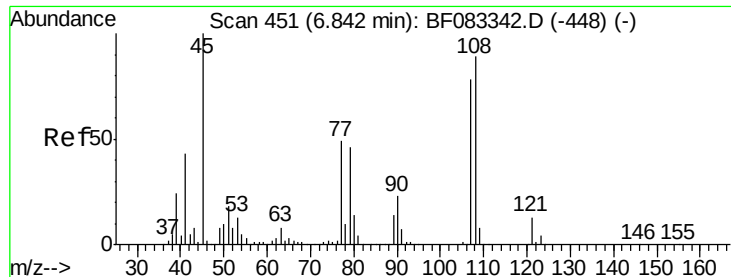
Mmdadoda
12/3/2015 7:10:13 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.07 ng
RT: 6.84 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

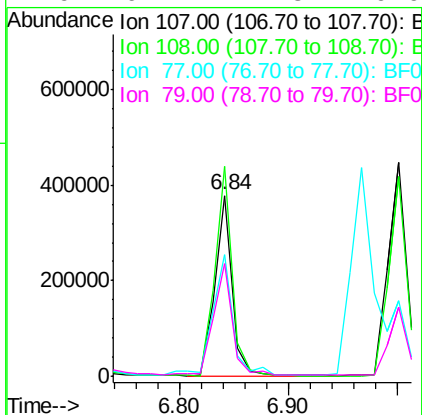
Tgt Ion	Ratio	Lower	Upper
45	100		
77	36.6	0.0	38.3
79	33.7	0.0	35.4





#17
2-Methylphenol
Concen: 51.70 ng
RT: 6.84 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

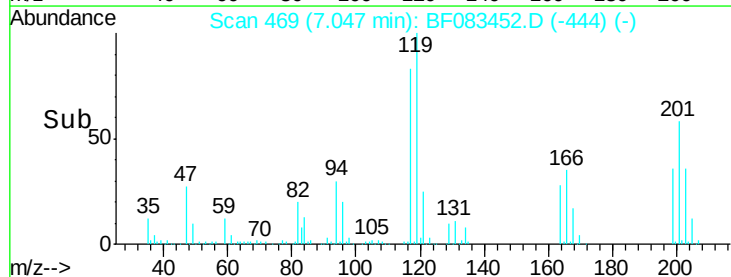
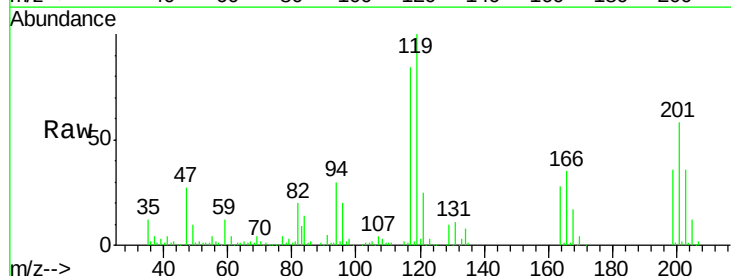
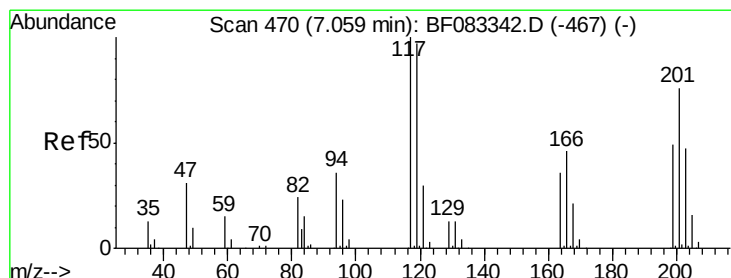
Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	418113		
108	108	115.8	91.6	137.4	
77	77	67.4	49.9	74.9	
79	79	62.2	47.3	70.9	



Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

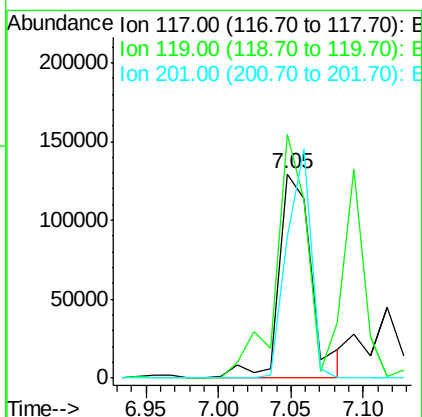
Manual Integrations
APPROVED

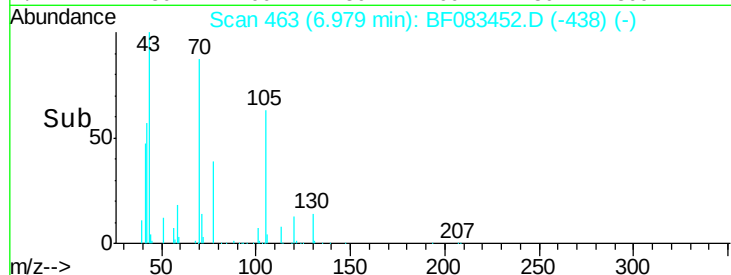
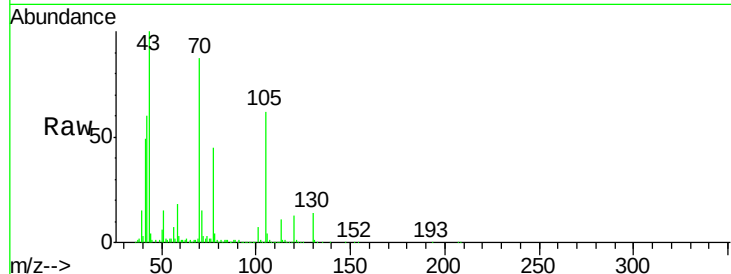
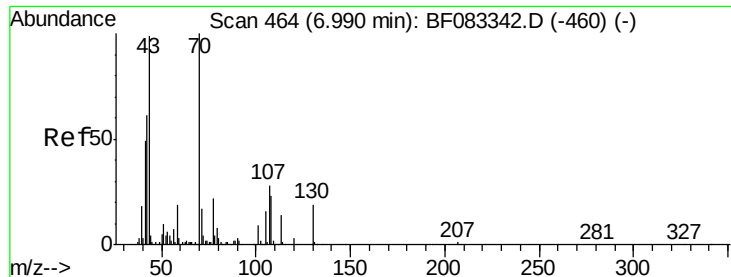
Mmdadoda
12/3/2015 7:10:13 PM



#18
Hexachloroethane
Concen: 51.25 ng
RT: 7.05 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	198383		
119	119	119.0	77.3	115.9#	
201	201	69.3	60.6	90.8	





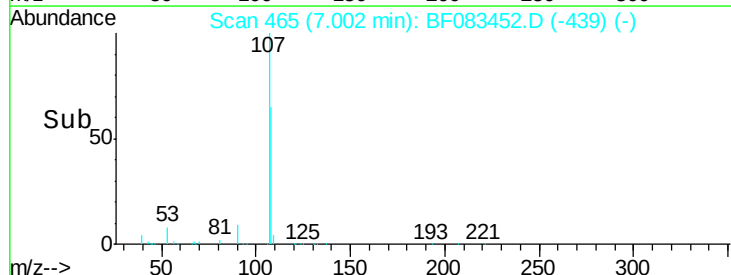
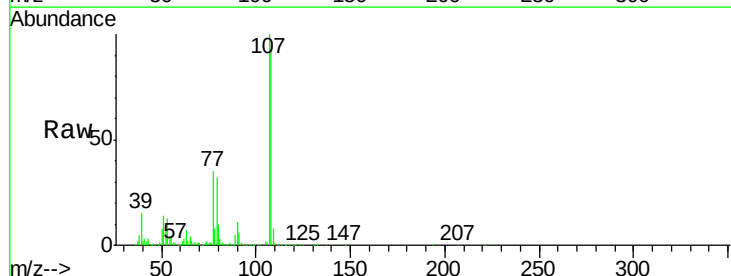
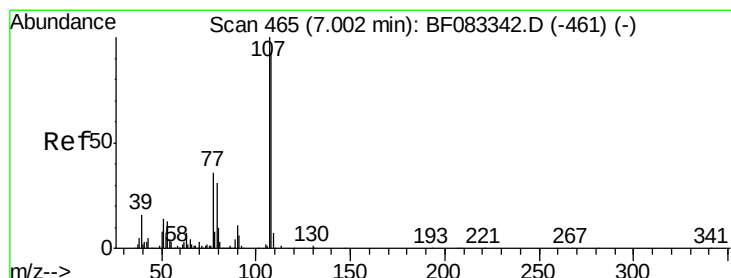
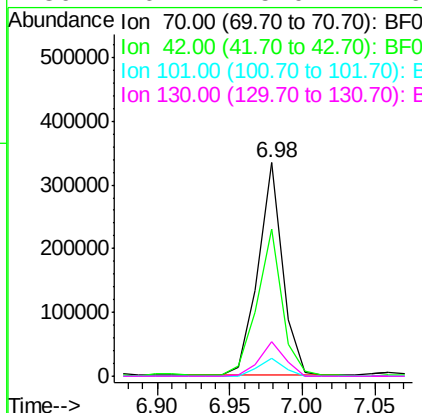
#19
n-Nitroso-di-n-propylamine
Concen: 45.84 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Manual Integrations
APPROVED

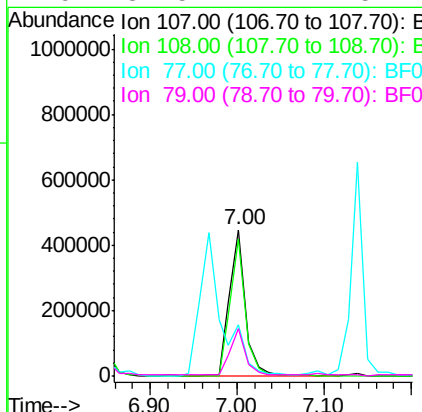
Mmdadoda
12/3/2015 7:10:13 PM

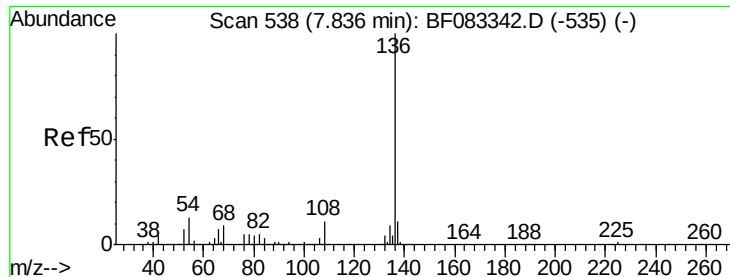
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	69.1	48.8	73.2	
101	8.4	7.1	10.7	
130	16.4	15.0	22.6	



#20
3+4-Methylphenols
Concen: 51.60 ng
RT: 7.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.4	73.0	113.0	
77	35.5	16.8	56.8	
79	32.5	11.4	51.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

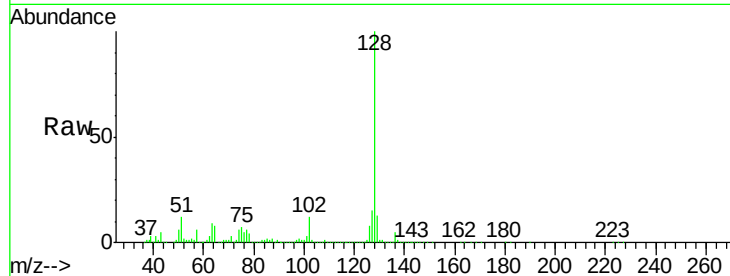
ClientSampleId :

SB-P3WC-09(0-8)MS

Manual Integrations
APPROVED

Mmdadoda
12/3/2015 7:10:13 PM

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.0	13.4	
54	13.4	10.1	15.1	
68	10.1	7.1	10.7	



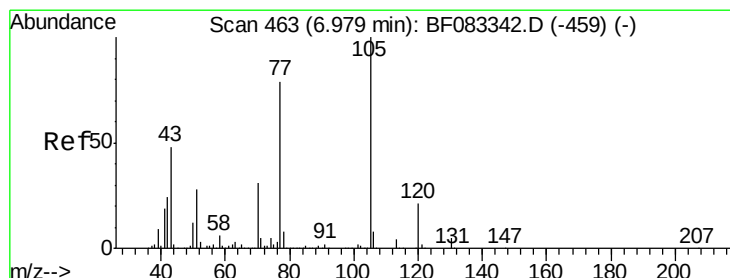
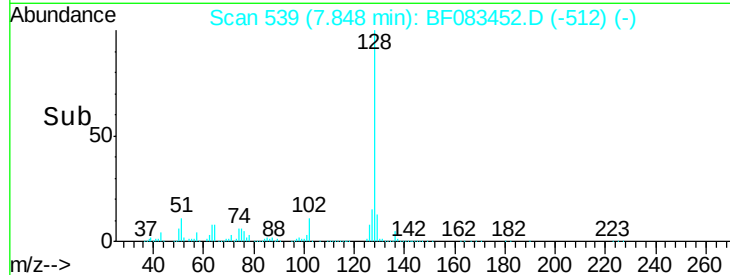
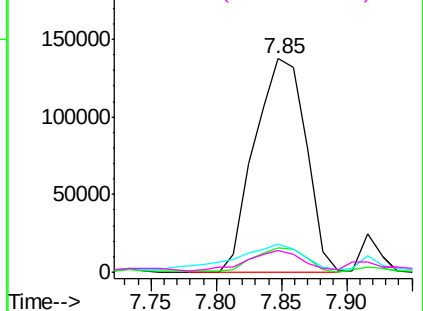
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 64.76 ng

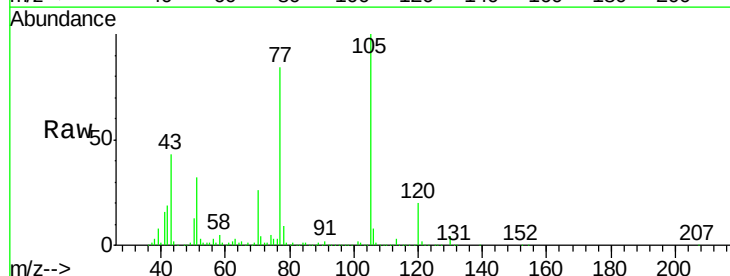
RT: 6.97 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.4	4.3	6.5	
51	31.8	22.9	34.3	
120	20.1	16.7	25.1	



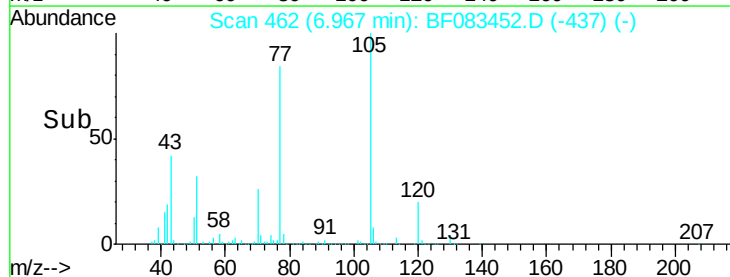
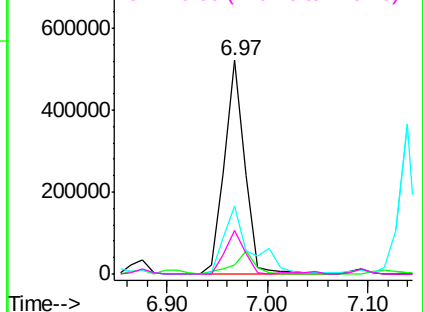
Abundance

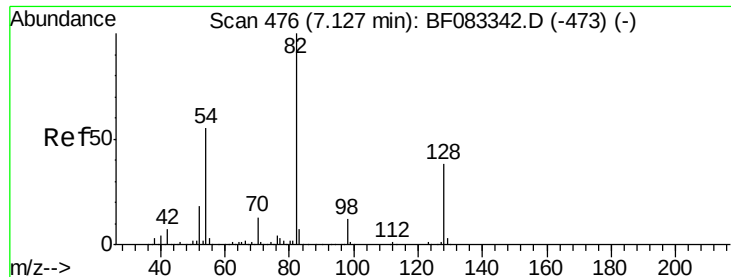
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





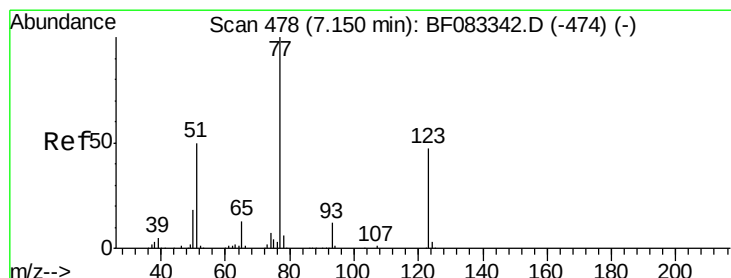
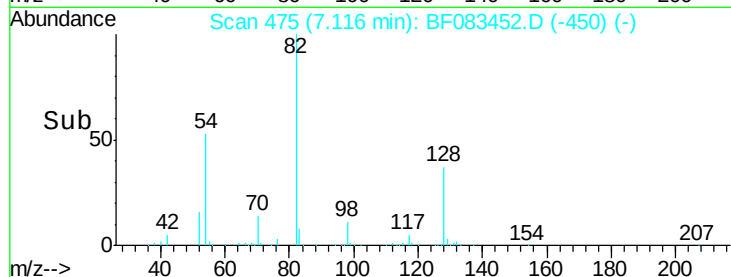
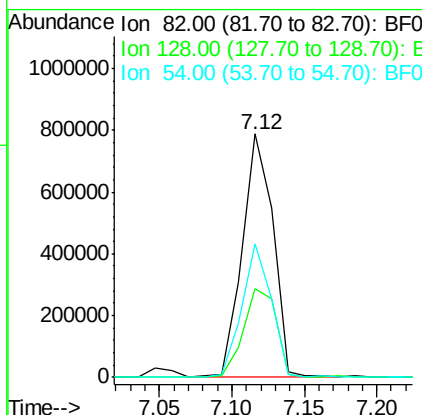
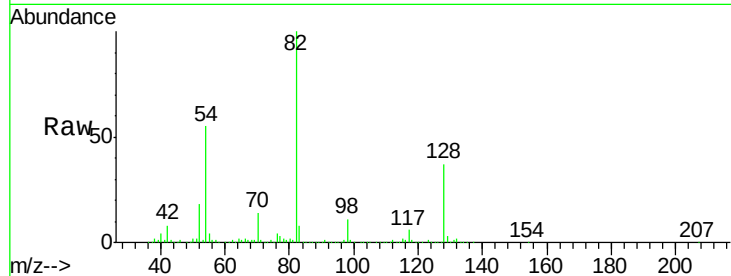
#23
 Nitrobenzene-d5
 Concen: 132.56 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	82	Resp	1142730
Ion Ratio	Lower	Upper	
82	100		
128	36.5	30.6	46.0
54	54.6	43.8	65.6

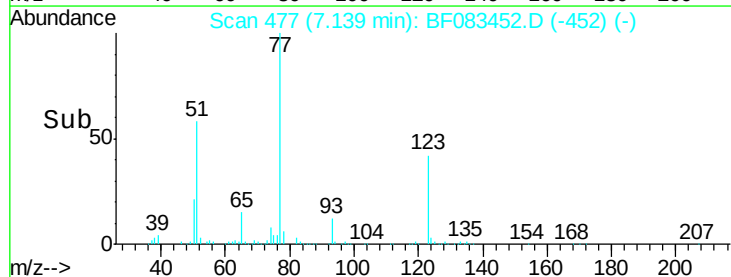
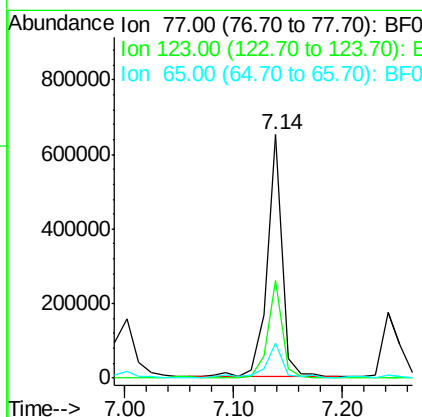
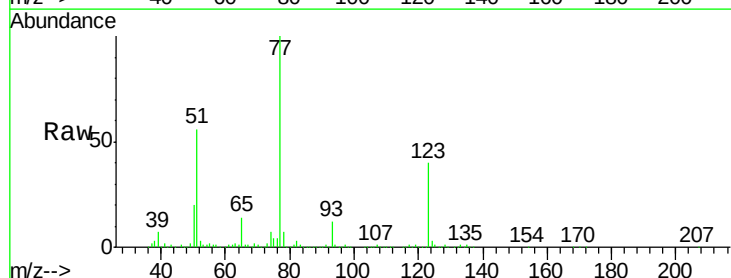
Manual Integrations
 APPROVED

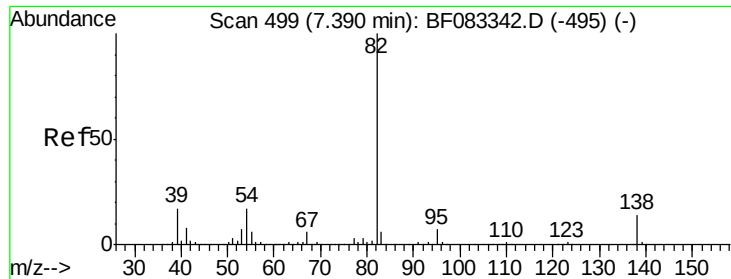
Mmdadoda
 12/3/2015 7:10:13 PM



#24
 Nitrobenzene
 Concen: 68.90 ng
 RT: 7.14 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	77	Resp	634241
Ion Ratio	Lower	Upper	
77	100		
123	40.3	37.4	56.0
65	14.4	10.6	15.8





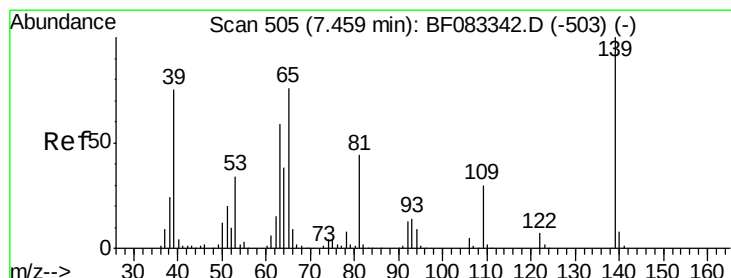
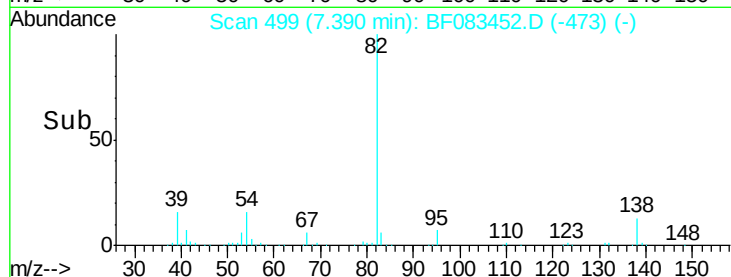
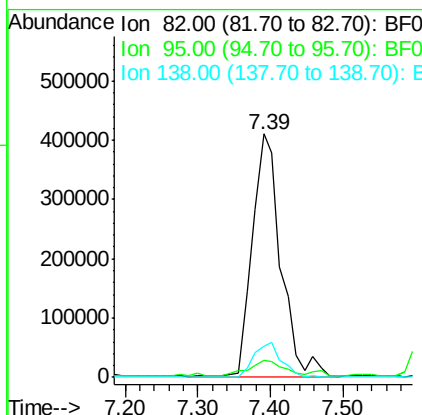
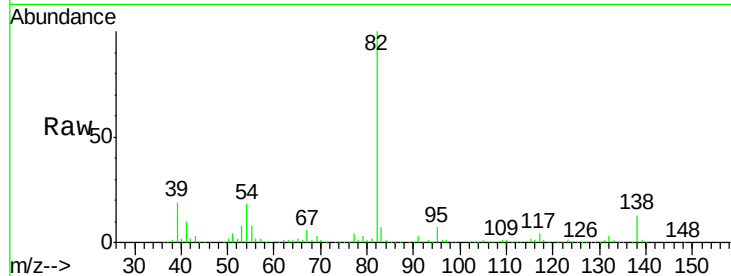
#25
Isophorone
Concen: 67.39 ng
RT: 7.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion: 82 Resp: 1125219
Ion Ratio Lower Upper
82 100
95 7.1 5.3 7.9
138 12.9 11.6 17.4

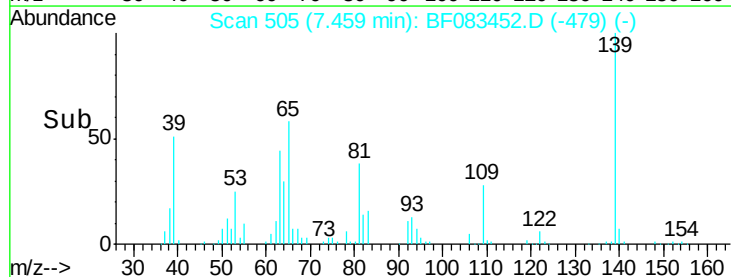
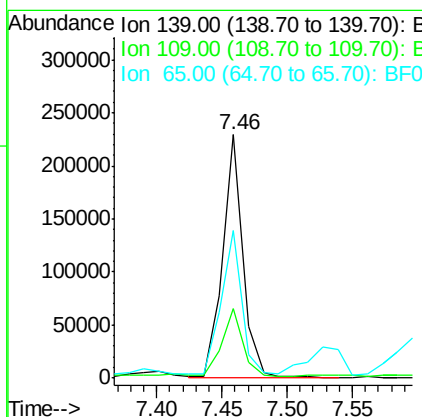
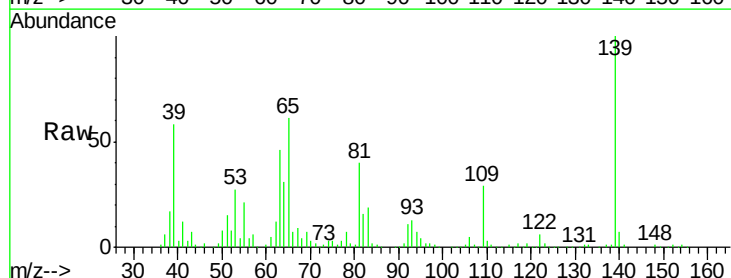
Manual Integrations
APPROVED

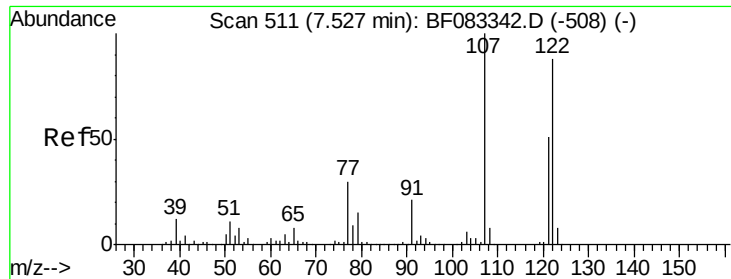
Mmdadoda
12/3/2015 7:10:13 PM



#26
2-Nitrophenol
Concen: 66.46 ng
RT: 7.46 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion: 139 Resp: 249752
Ion Ratio Lower Upper
139 100
109 28.7 24.2 36.4
65 60.6 61.0 91.6#





#27

2,4-Dimethylphenol

Concen: 71.66 ng

RT: 7.54 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF083452.D

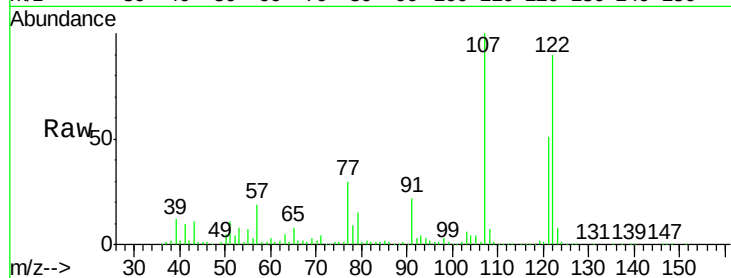
Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

ClientSampleId :

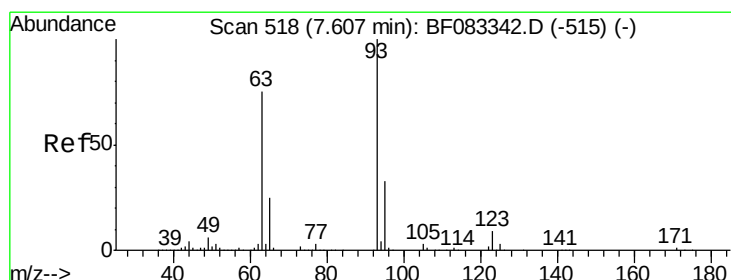
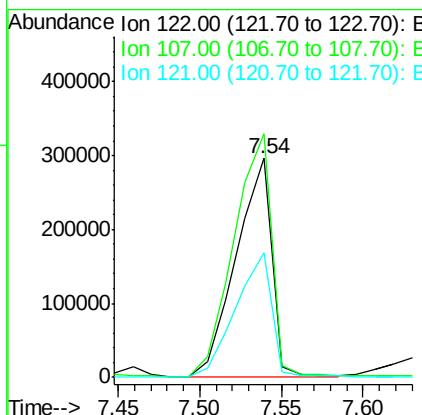
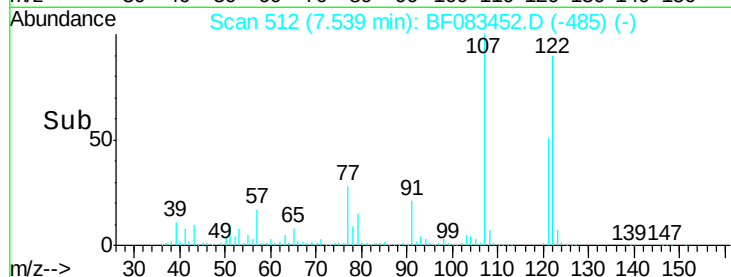
SB-P3WC-09(0-8)MS



Tot Ion:	122	Resp:	451405
Ion Ratio	Lower	Upper	
122	100		
107	111.2	91.2	136.8
121	56.9	46.4	69.6

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12/3/2015 7:10:13 PM



#28

bis(2-Chloroethoxy)methane

Concen: 66.47 ng

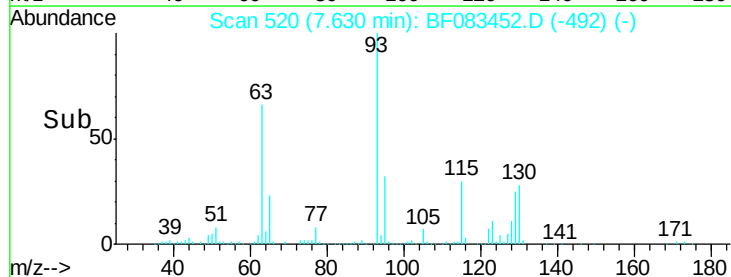
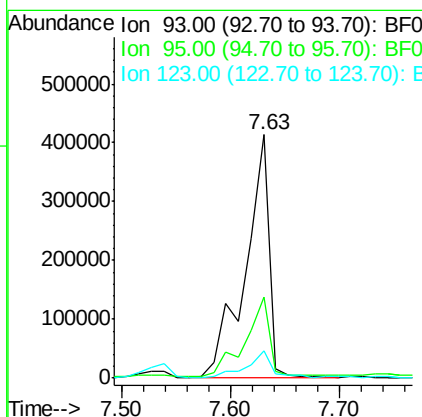
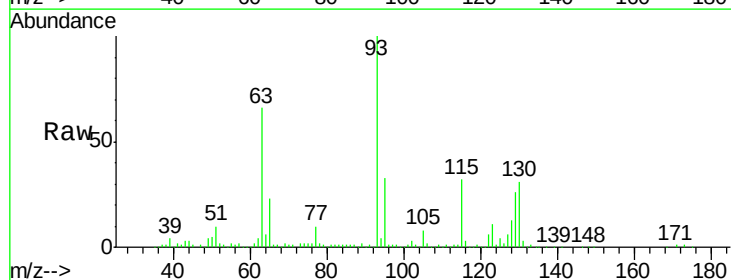
RT: 7.63 min Scan# 520

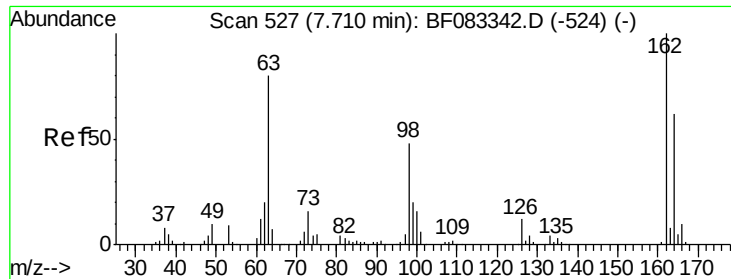
Delta R.T. 0.02 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	93	Resp:	632069
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.1	39.1
123	11.0	7.4	11.0#





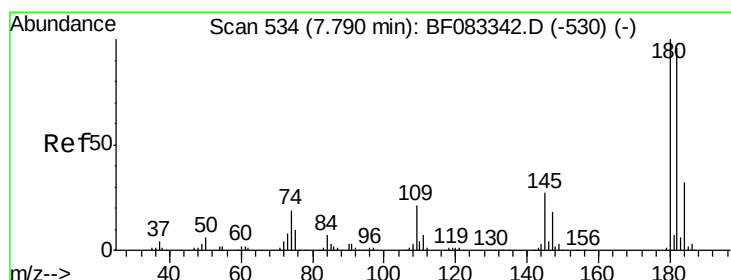
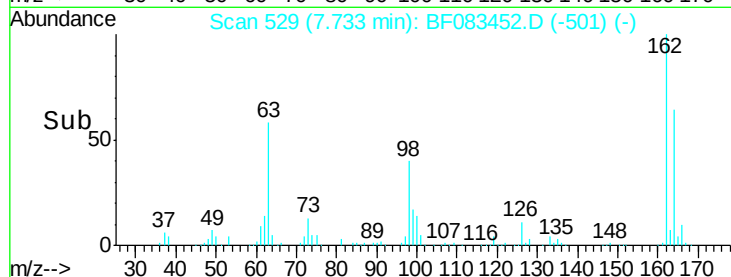
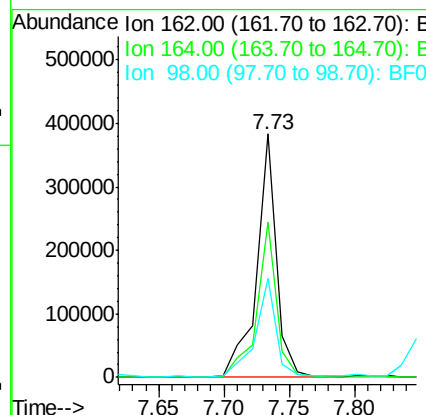
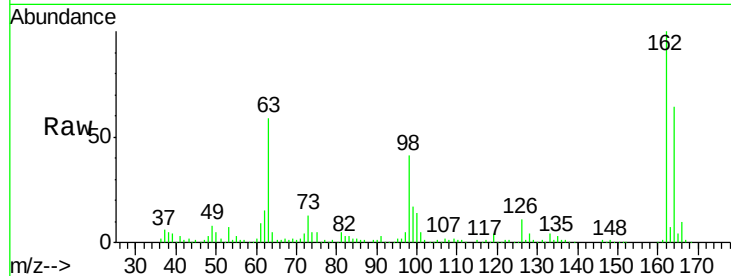
#29
2,4-Dichlorophenol
Concen: 67.96 ng
RT: 7.73 min Scan# 529
Delta R.T. 0.02 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.8	41.9	81.9
98	40.8	28.1	68.1

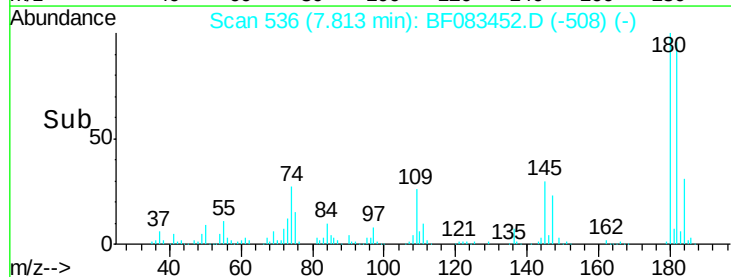
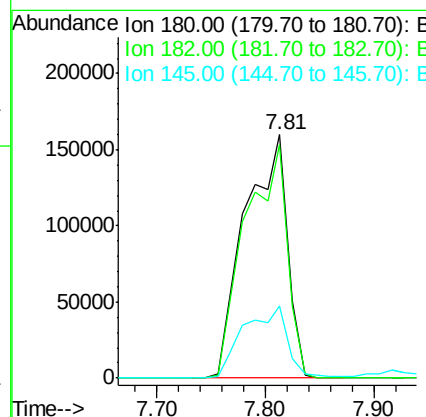
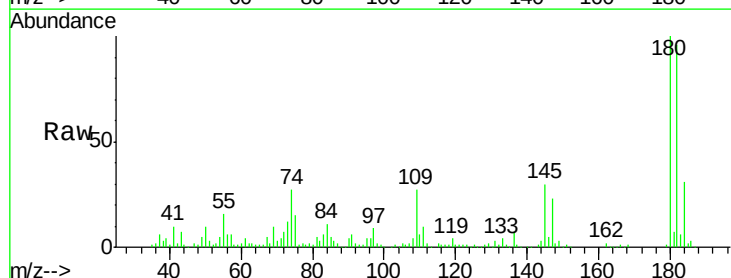
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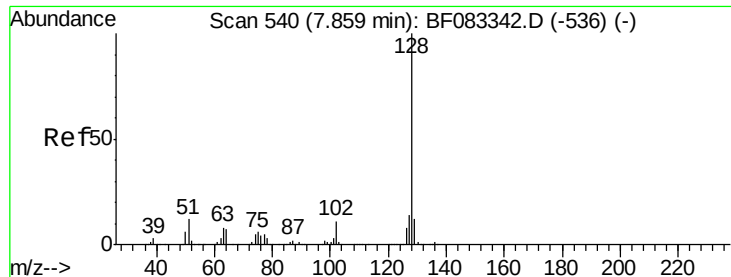
Mmdadoda
12/3/2015 7:10:13 PM



#30
1,2,4-Trichlorobenzene
Concen: 65.25 ng
RT: 7.81 min Scan# 536
Delta R.T. 0.02 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	77.2	115.8
145	29.7	21.4	32.2





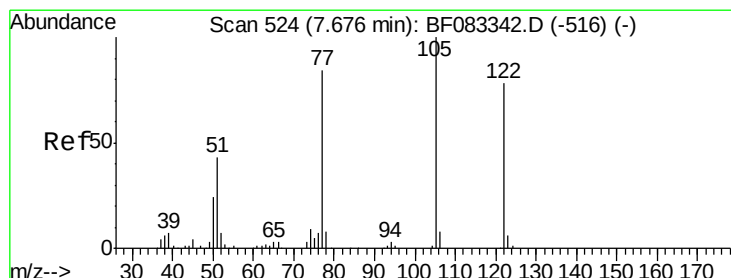
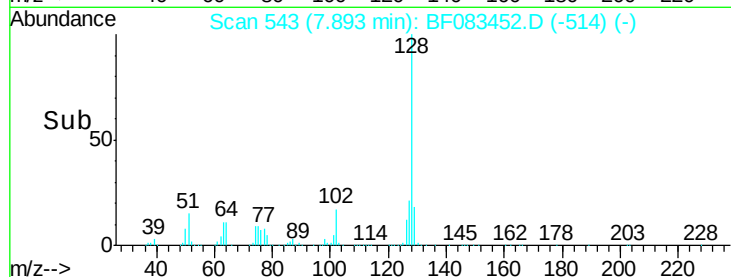
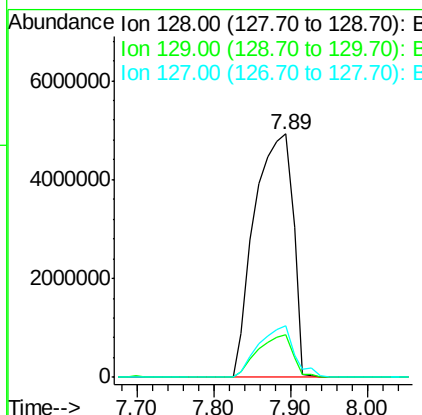
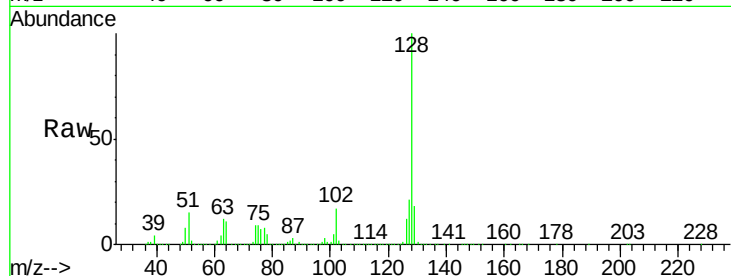
#31
Naphthalene
Concen: 830.04 ng
RT: 7.89 min Scan# 543
Delta R.T. 0.03 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion:128 Resp:17065958
Ion Ratio Lower Upper
128 100
129 17.6 9.7 14.5#
127 21.1 11.0 16.4#

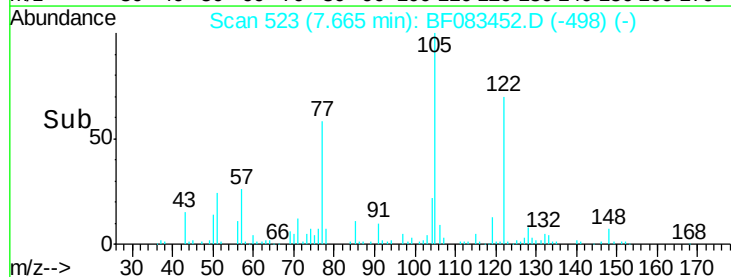
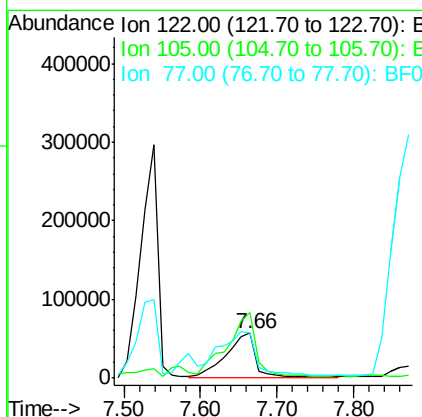
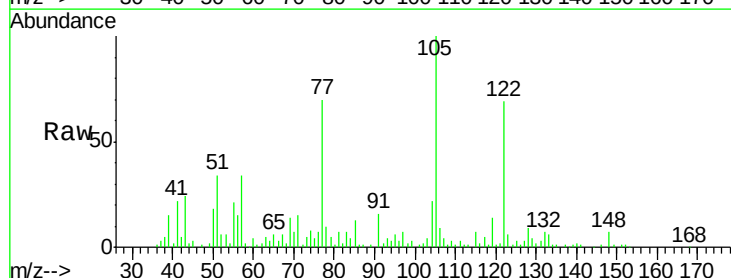
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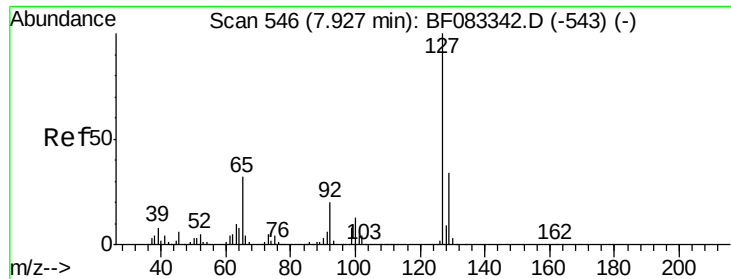
Mmdadoda
12/3/2015 7:10:13 PM



#32
Benzoic acid
Concen: 37.01 ng
RT: 7.66 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion:122 Resp: 160784
Ion Ratio Lower Upper
122 100
105 145.8 106.0 146.0
77 101.5 86.3 126.3





#33

4-Chloroaniline

Concen: 19.11 ng/mL

RT: 7.93 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

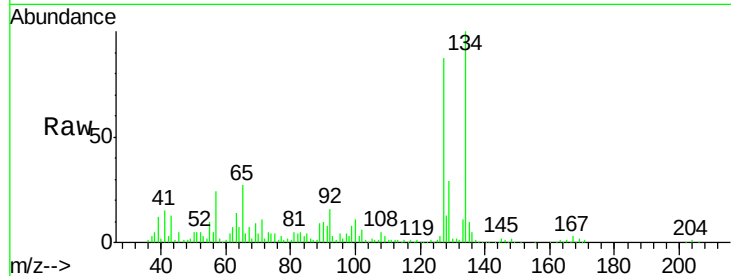
ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		169377		
129	33.8	27.0	40.4		
65	31.6	25.9	38.9		
92	18.9	15.8	23.8		

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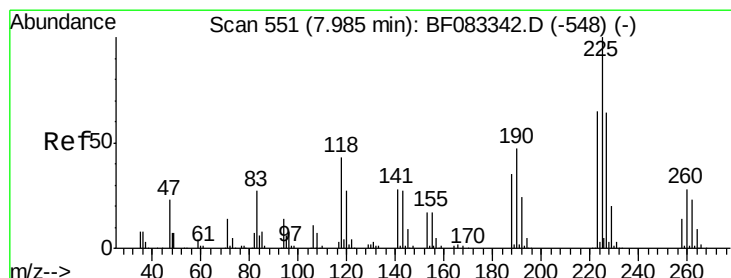
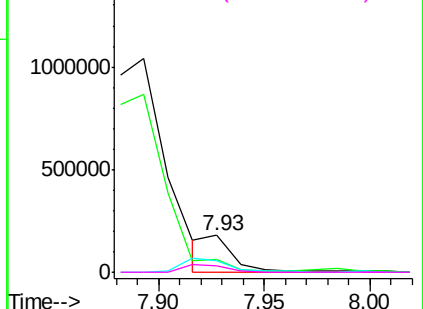
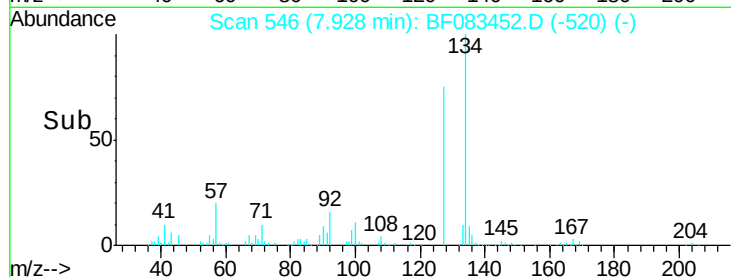
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 64.54 ng/mL

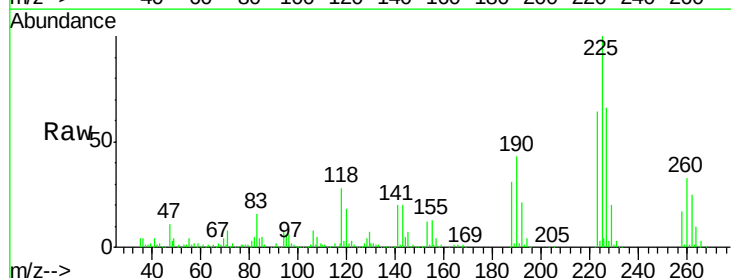
RT: 7.98 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		241650		
223	64.1	52.0	78.0		
227	65.7	51.1	76.7		

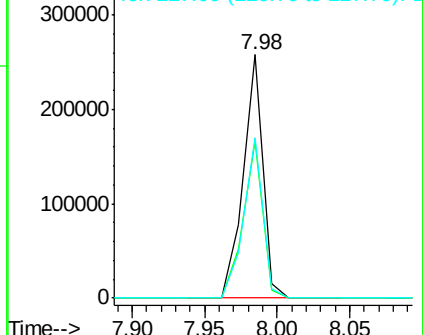
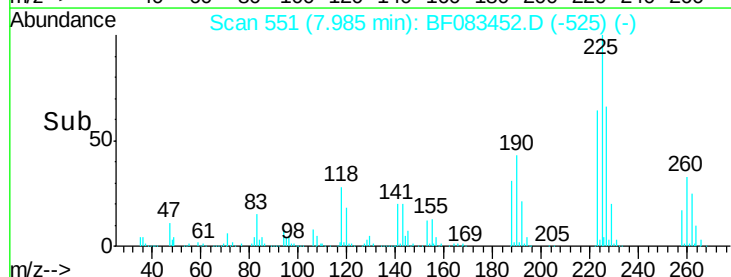


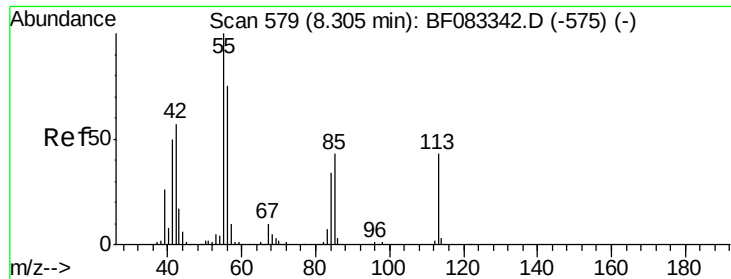
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





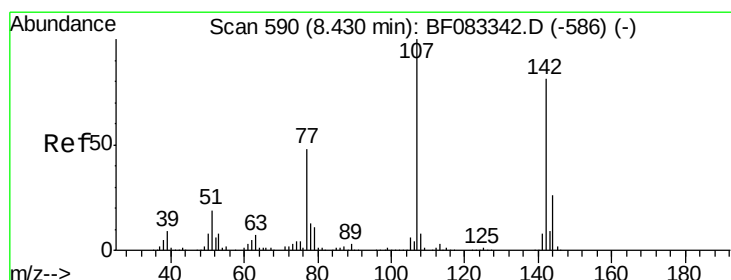
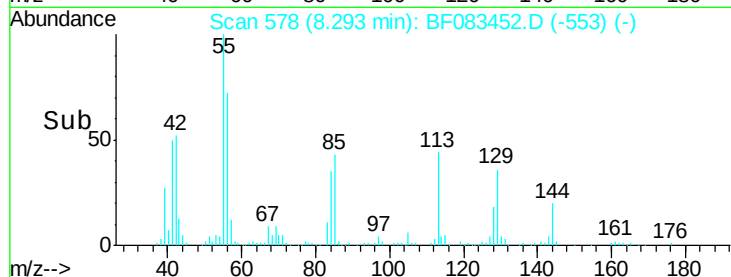
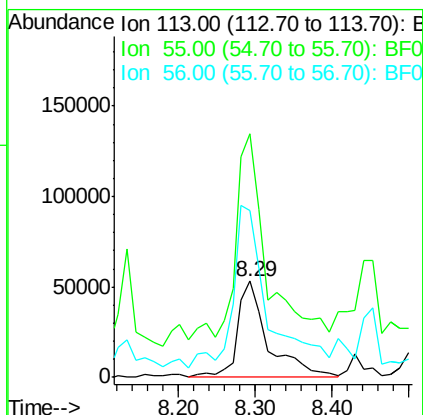
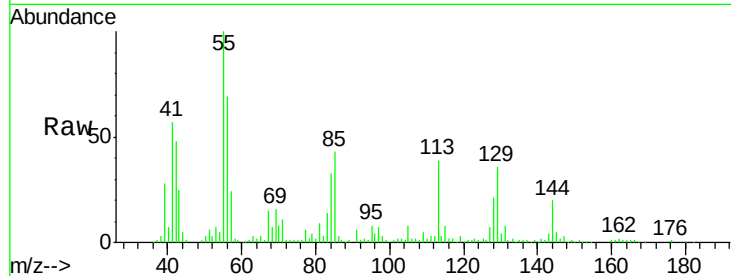
#35
 Caprolactam
 Concen: 75.16 ng
 RT: 8.29 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	254.0	211.6	251.6#
56	174.0	153.0	193.0

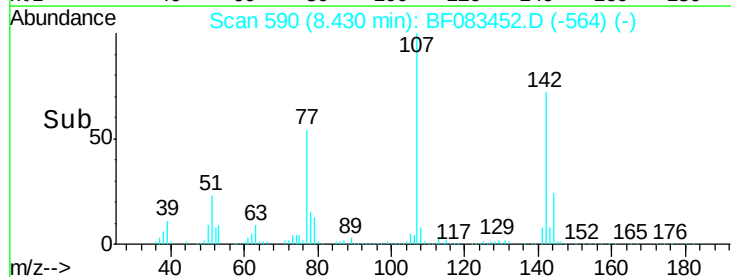
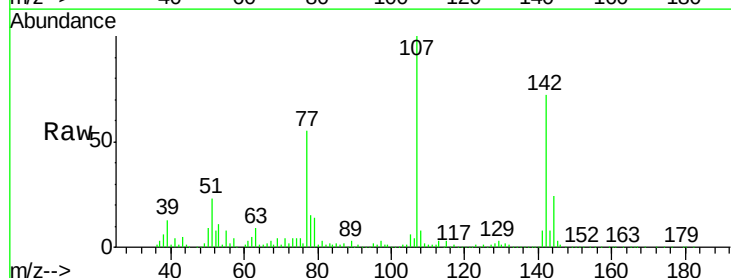
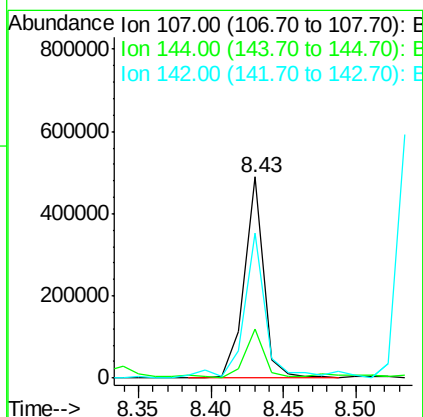
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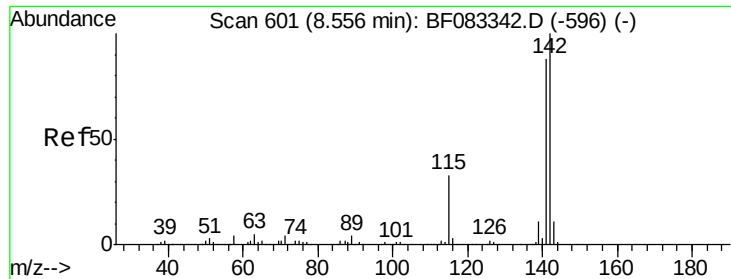
Mmdadoda
 12/3/2015 7:10:13 PM



#36
 4-Chloro-3-methylphenol
 Concen: 66.52 ng
 RT: 8.43 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.2	21.1	31.7
142	71.9	65.1	97.7





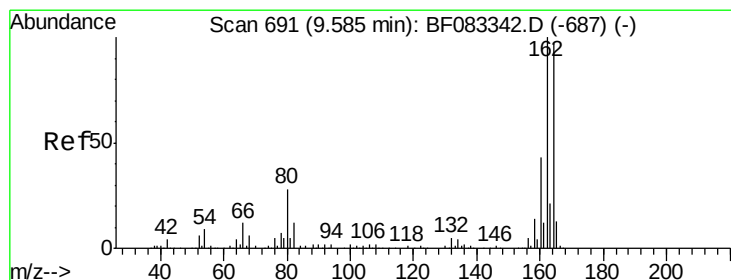
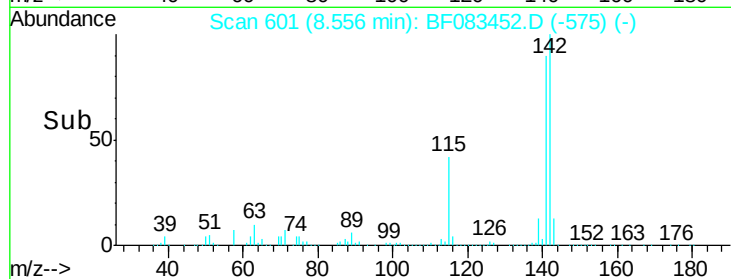
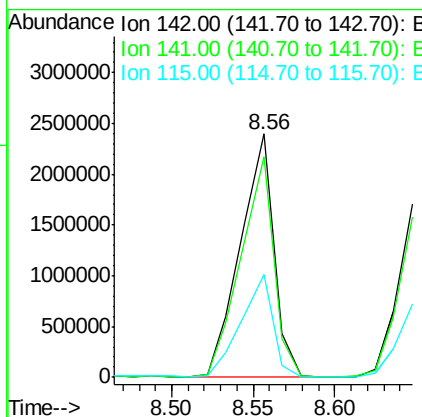
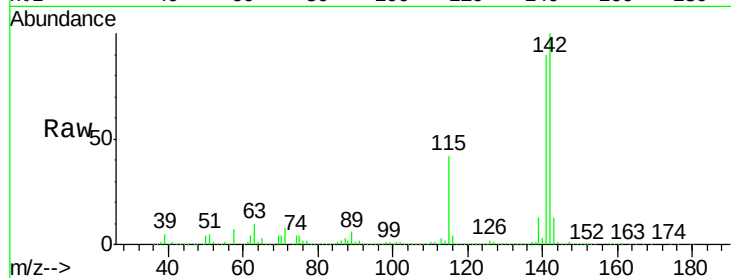
#37
2-Methylnaphthalene
Concen: 249.36 ng
RT: 8.56 min Scan# 601
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Manual Integrations
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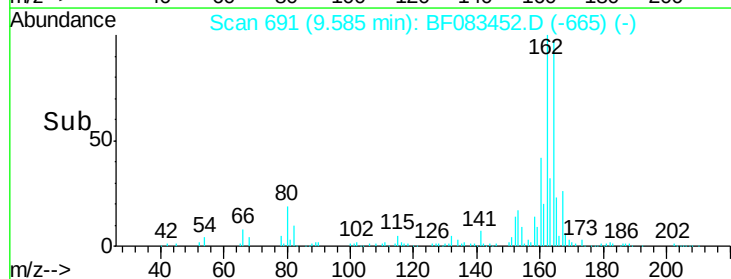
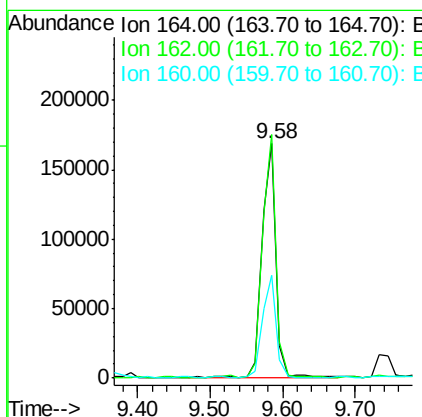
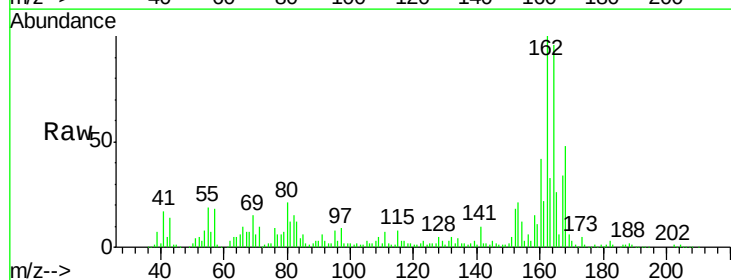
Mmdadoda
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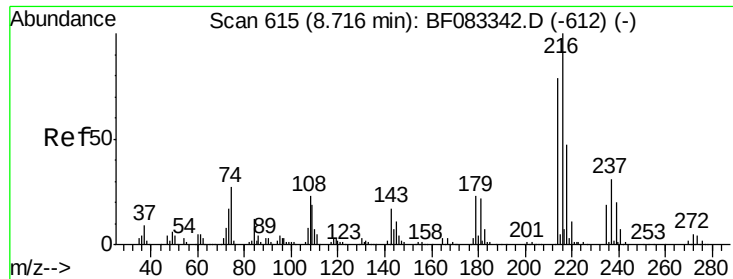
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.6	105.8
115	42.3	26.2	39.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	44.1	35.3	52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.49 ng

RT: 8.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

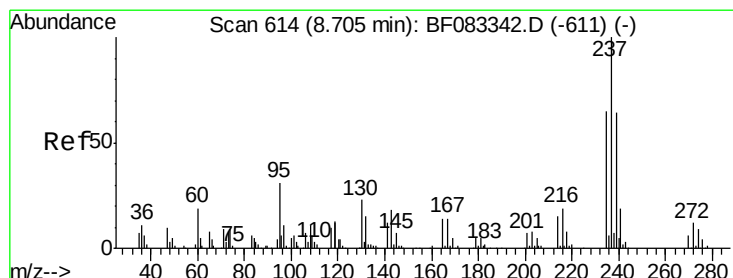
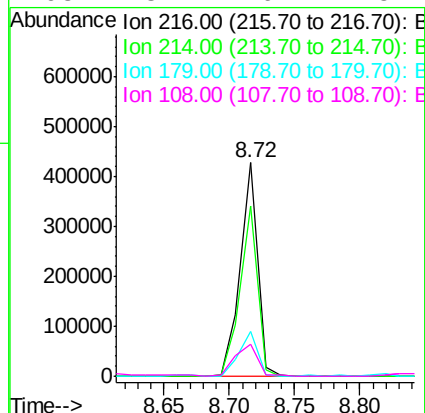
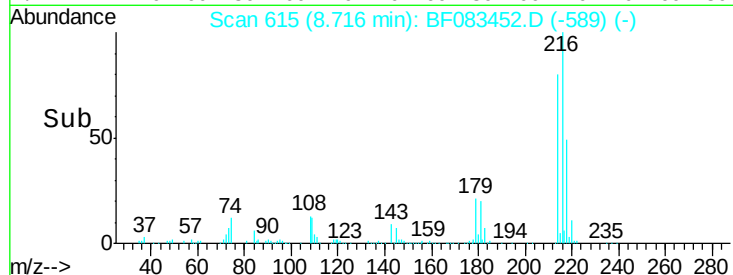
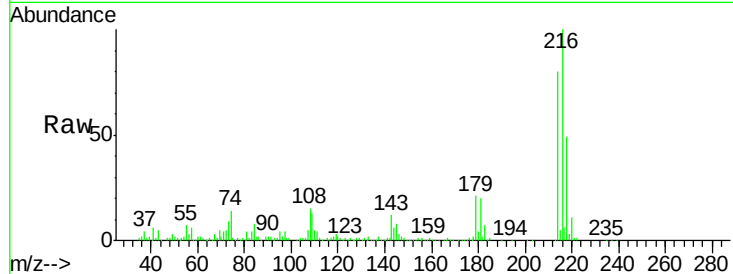
ClientSampleId :

SB-P3WC-09(0-8)MS

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	80.3		62.3	93.5	
179	21.7		17.0	25.4	
108	18.7		16.7	25.1	



#40

Hexachlorocyclopentadiene

Concen: 9.18 ng

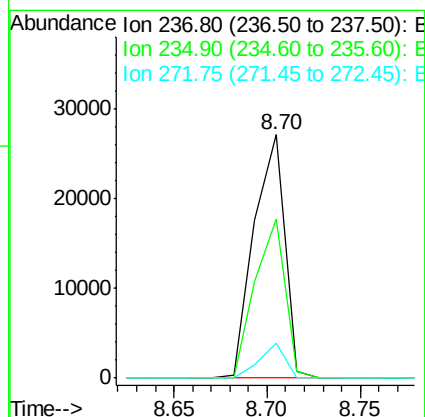
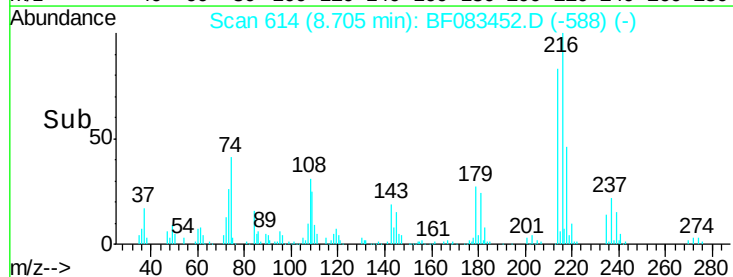
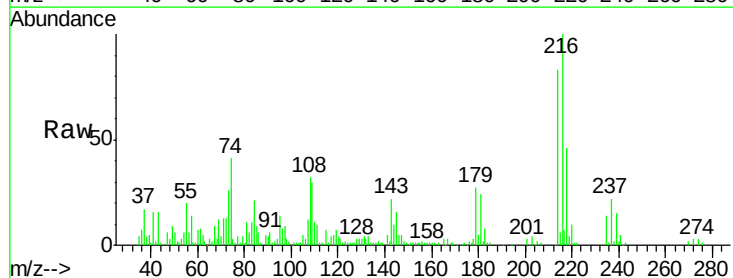
RT: 8.70 min Scan# 614

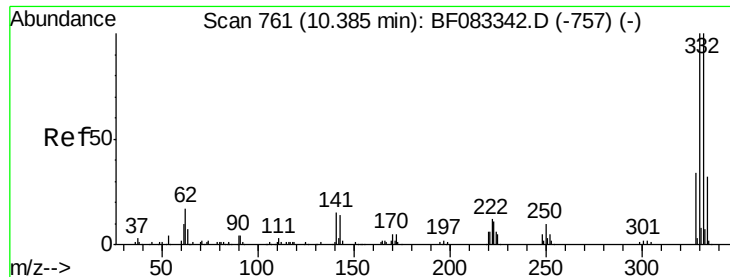
Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	65.6		44.5	84.5	
272	14.4		0.0	31.6	





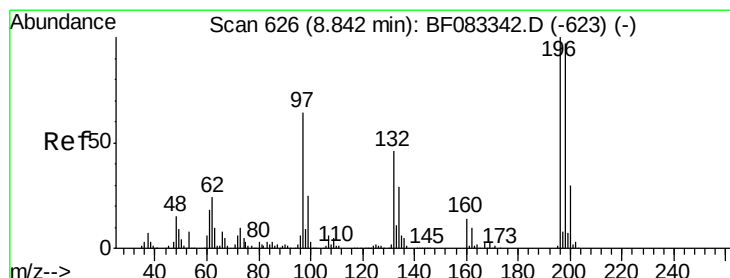
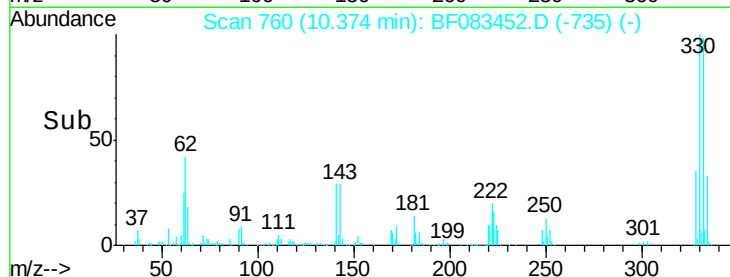
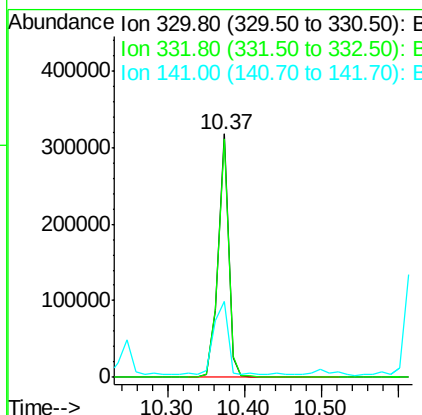
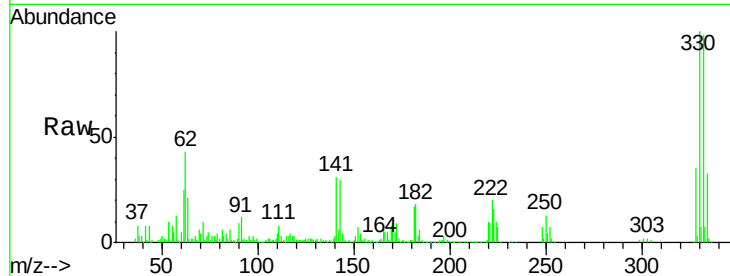
#41
 2,4,6-Tribromophenol
 Concen: 133.25 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	304445		
332	98.8	77.8	116.6	
141	40.3	29.4	44.0	

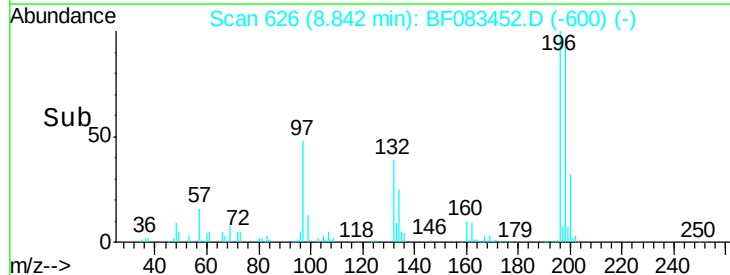
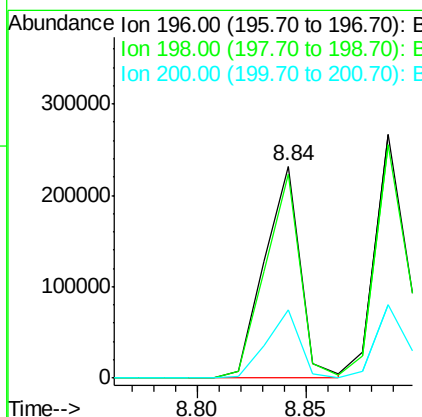
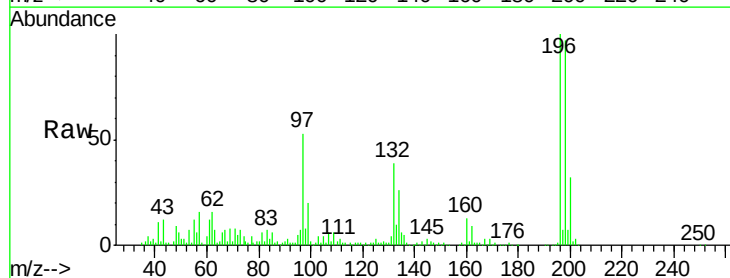
Manual Integrations
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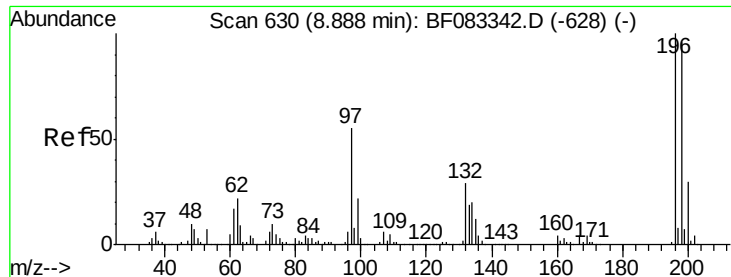
Mmdadoda
 12/3/2015 7:10:13 PM



#42
 2,4,6-Trichlorophenol
 Concen: 52.48 ng
 RT: 8.84 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

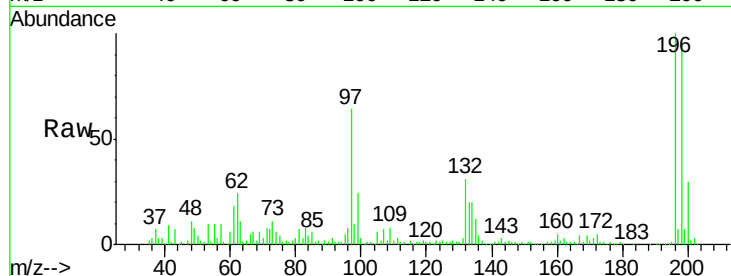
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	265583		
198	96.5	77.2	115.8	
200	32.2	24.2	36.4	





#43
 2,4,5-Trichlorophenol
 Concen: 52.24 ng
 RT: 8.89 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

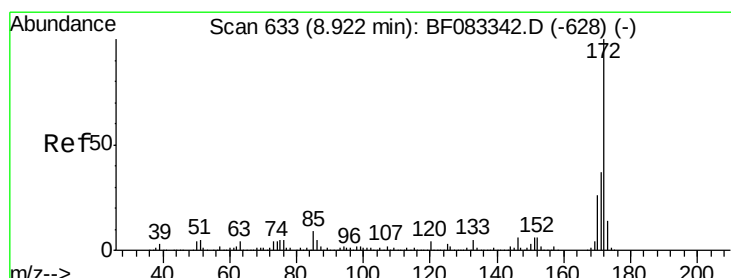
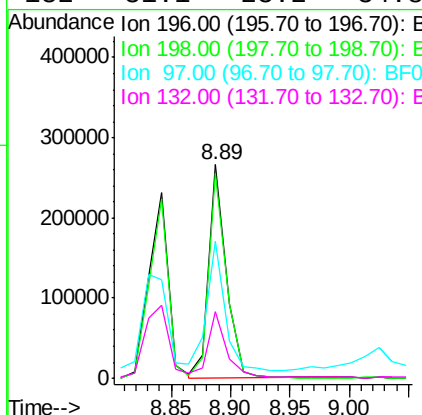
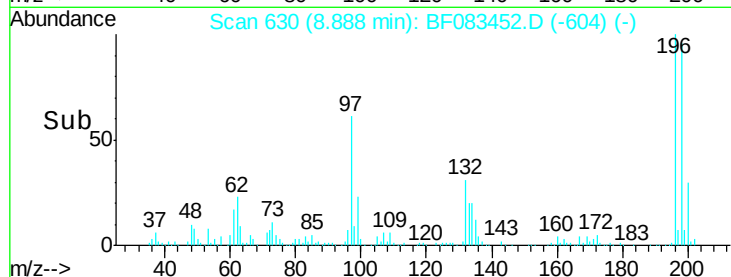
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS



Tot Ion	196	Resp	273917
Ion Ratio	Lower	Upper	
196	100		
198	95.6	77.2	115.8
97	64.1	44.4	66.6
132	31.1	23.2	34.8

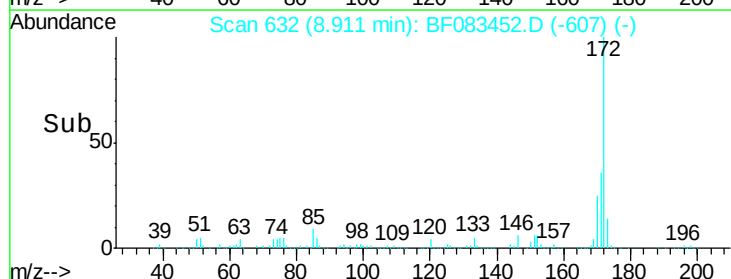
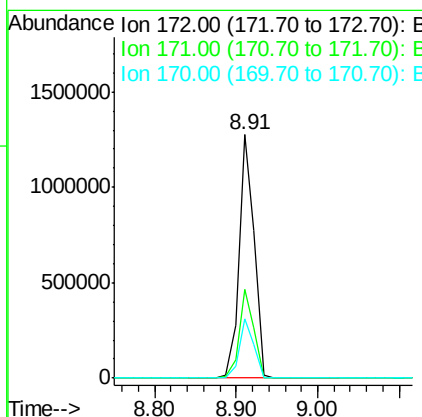
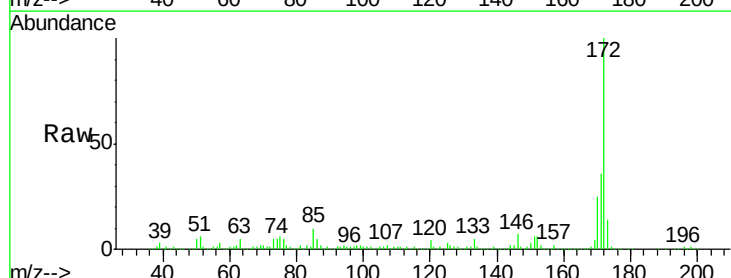
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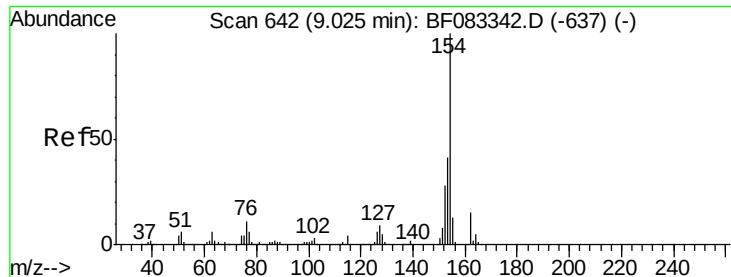
Mmdadoda
 12/3/2015 7:10:13 PM



#44
 2-Fluorobiphenyl
 Concen: 101.58 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	172	Resp	1622444
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.4	44.0
170	24.6	20.4	30.6





#45

1,1'-Biphenyl

Concen: 92.20 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:154 Resp: 1840263

Ion Ratio Lower Upper

154 100

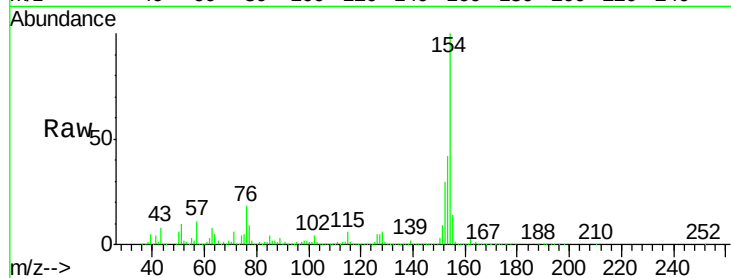
153 41.9 20.6 60.6

76 17.9 0.0 30.5

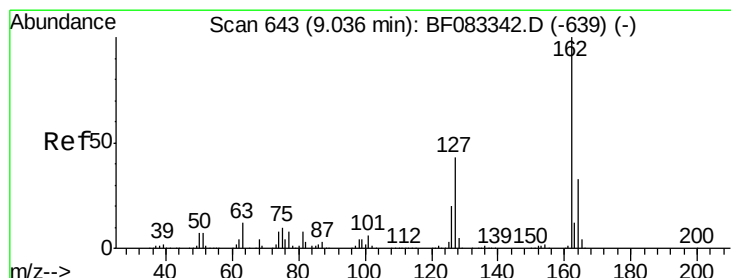
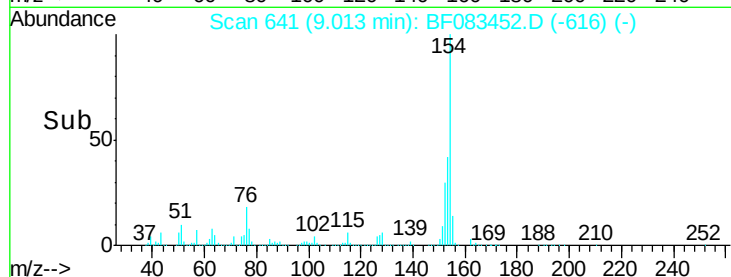
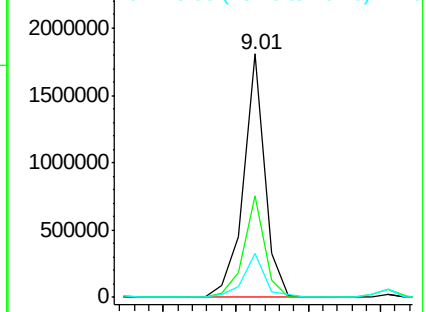
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 53.06 ng

RT: 9.04 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

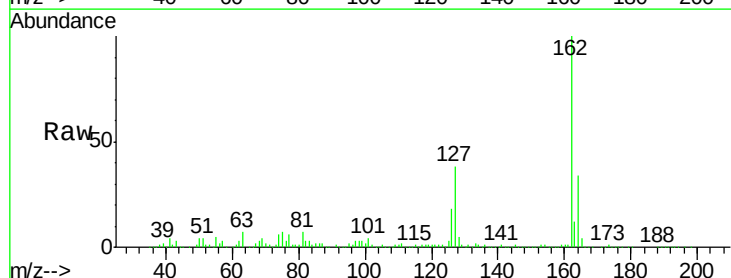
Tgt Ion:162 Resp: 807007

Ion Ratio Lower Upper

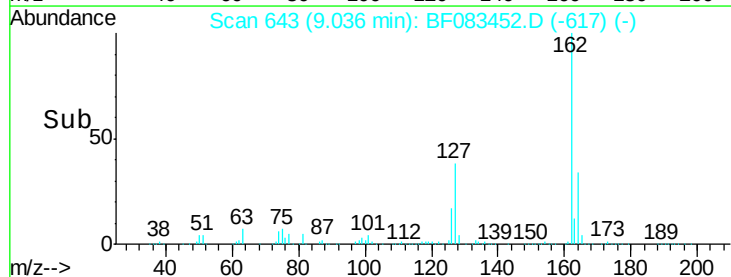
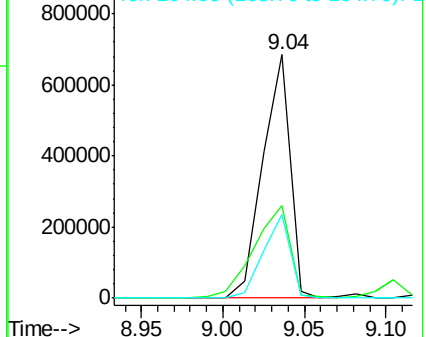
162 100

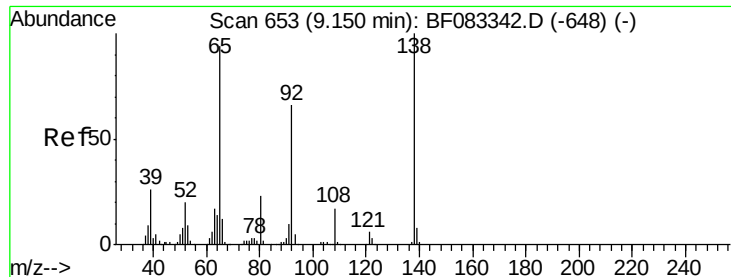
127 37.8 34.1 51.1

164 34.4 26.6 39.8



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: 52.87 ng

RT: 9.14 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

ClientSampleId :

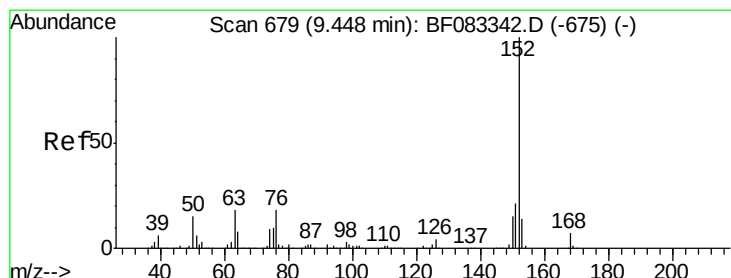
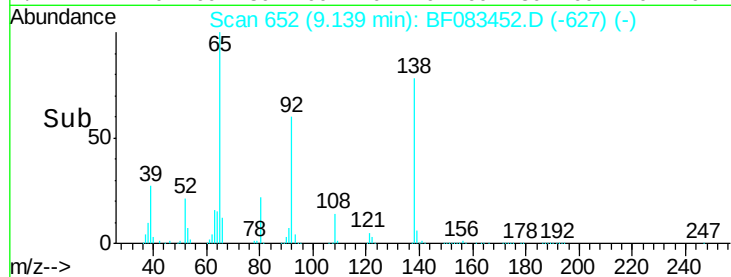
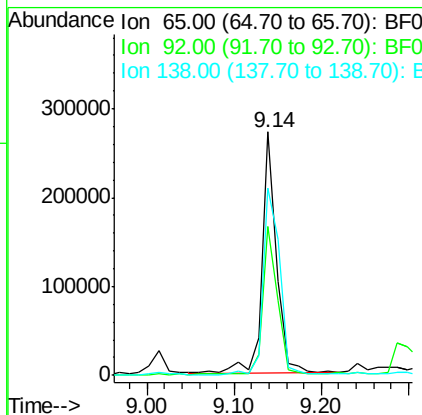
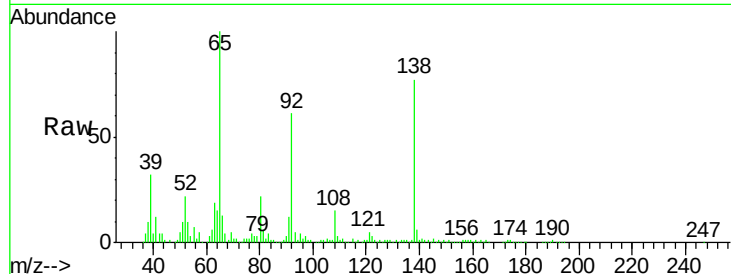
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Tot Ion	65	Resp	318483
Ion Ratio	Lower	Upper	
65	100		
92	61.0	56.2	84.4
138	77.1	85.4	128.0#



#48

Acenaphthylene

Concen: 106.56 ng

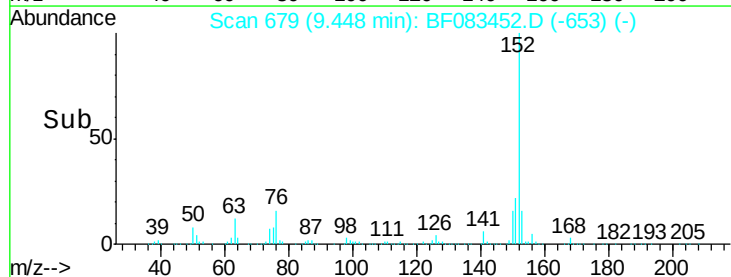
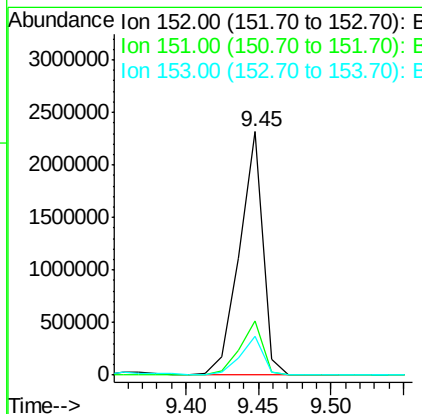
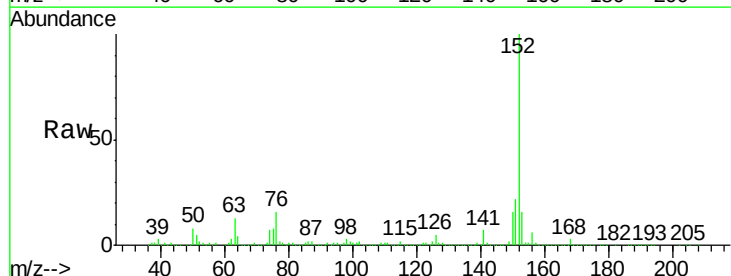
RT: 9.45 min Scan# 679

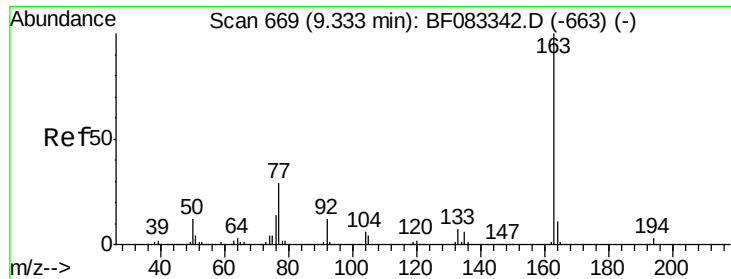
Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion	152	Resp	2585180
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.7	25.1
153	15.7	11.2	16.8





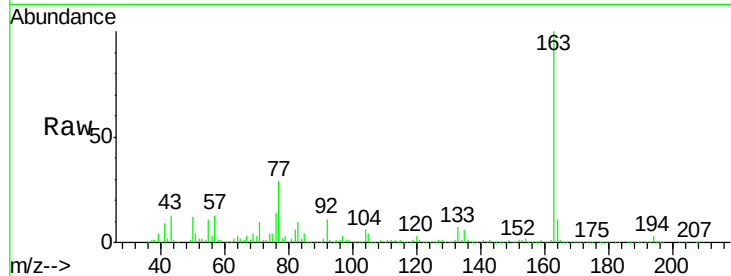
#49
Dimethylphthalate
Concen: 61.88 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

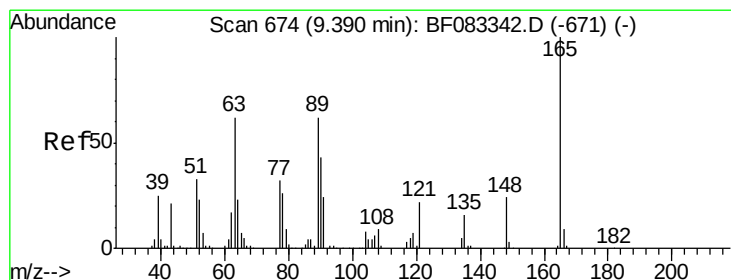
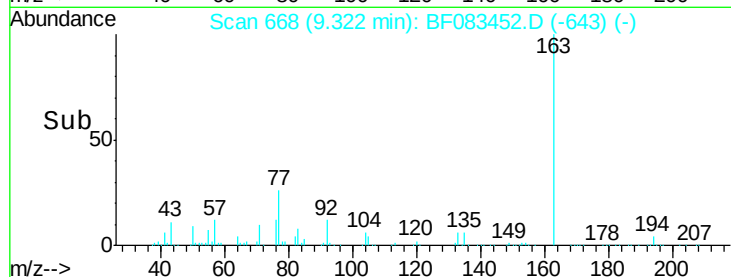
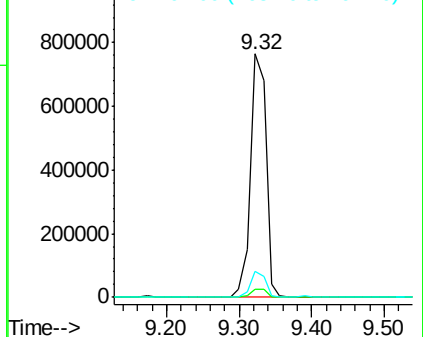
Tot Ion:163 Resp: 1144636
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.7 8.8 13.2

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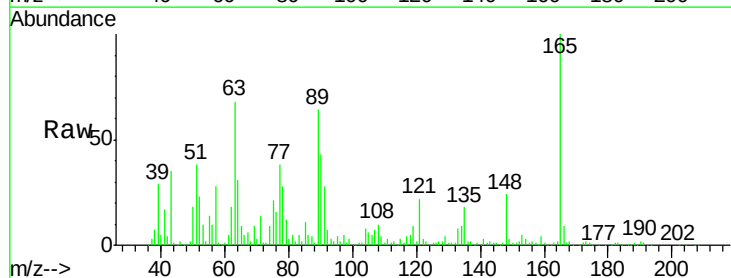


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

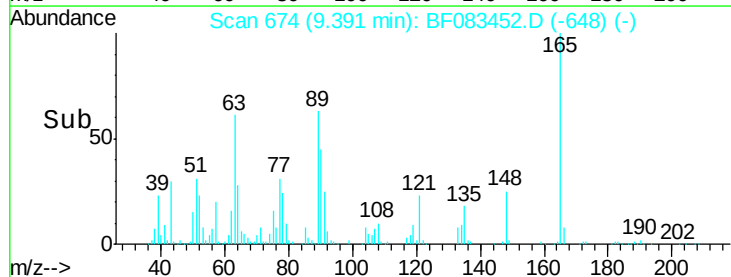
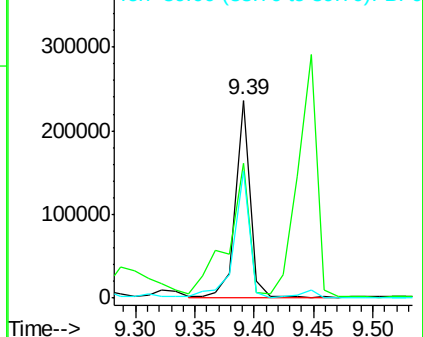


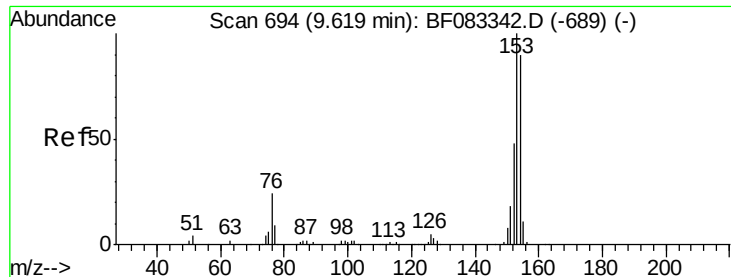
#50
2,6-Dinitrotoluene
Concen: 50.84 ng
RT: 9.39 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion:165 Resp: 200803
Ion Ratio Lower Upper
165 100
63 67.8 56.0 84.0
89 64.4 49.8 74.8



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





#51

Acenaphthene

Concen: 218.52 ng

RT: 9.63 min Scan# 695

Delta R.T. 0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

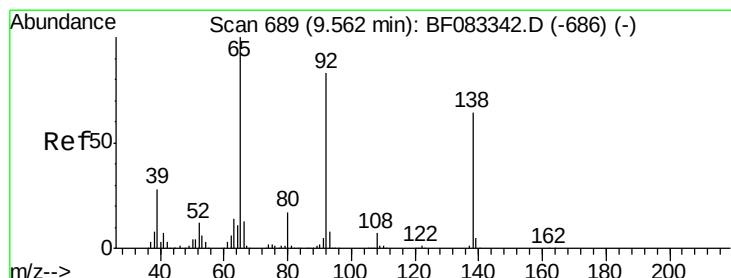
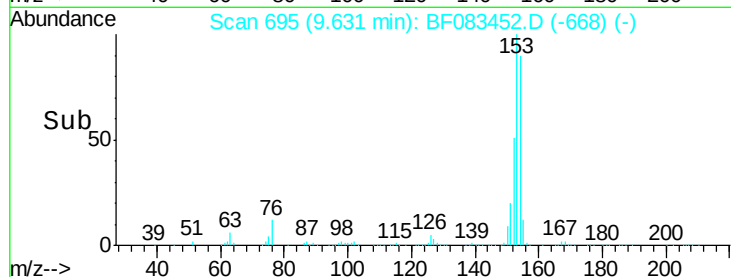
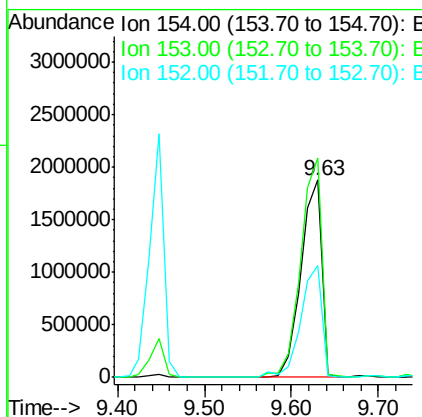
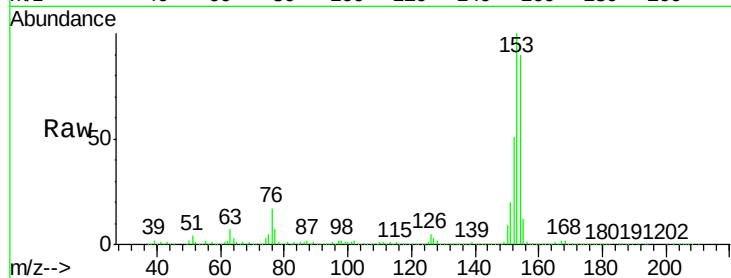
ClientSampleId :

SB-P3WC-09(0-8)MS

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Tot Ion:	154	Resp:	3118363
Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.3	133.9
152	56.5	42.5	63.7



#52

3-Nitroaniline

Concen: 31.84 ng

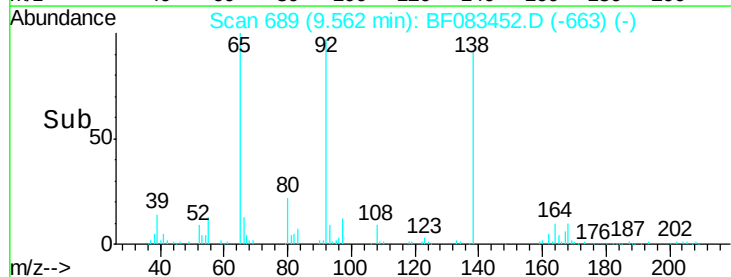
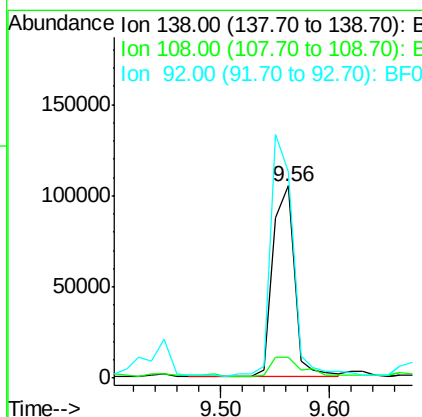
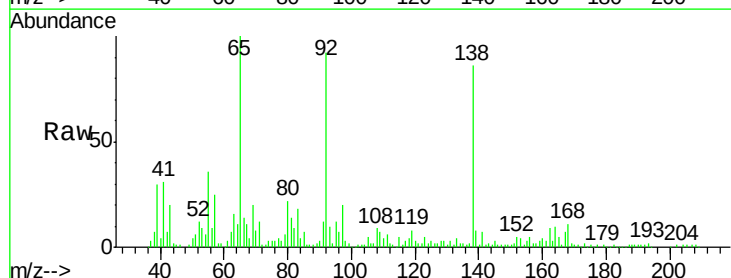
RT: 9.56 min Scan# 689

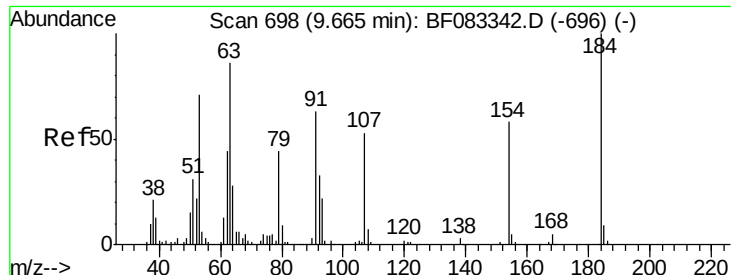
Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	138	Resp:	147414
Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.4	12.6
92	107.4	104.2	156.4





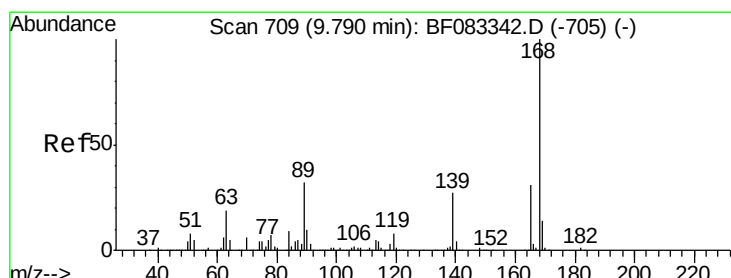
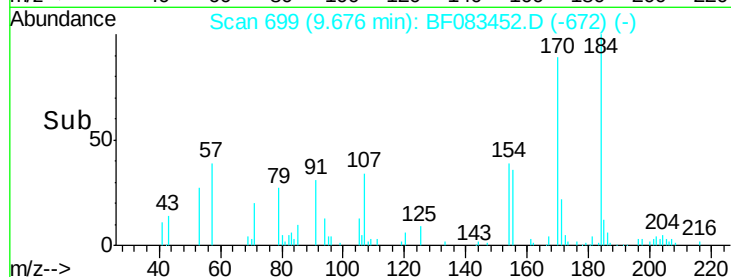
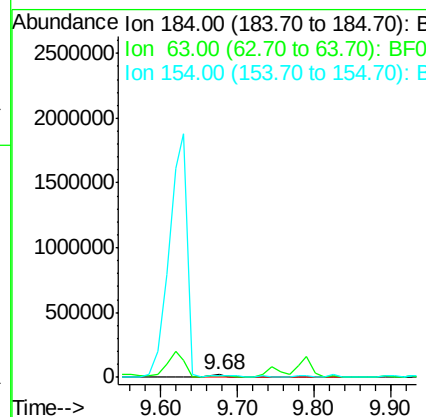
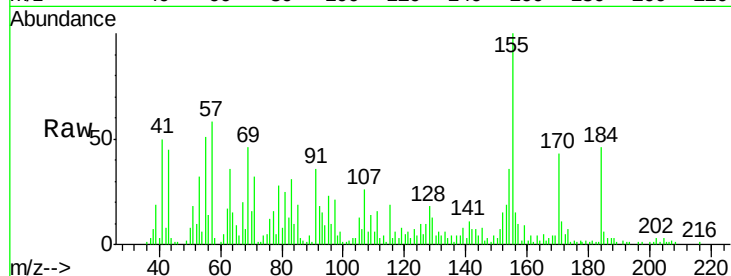
#53
 2,4-Dinitrophenol
 Concen: 19.56 ng
 RT: 9.68 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion:184 Resp: 37650
 Ion Ratio Lower Upper
 184 100
 63 79.1 69.0 103.6
 154 78.9 50.0 75.0#

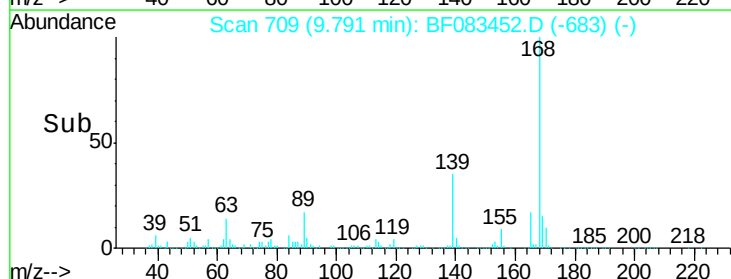
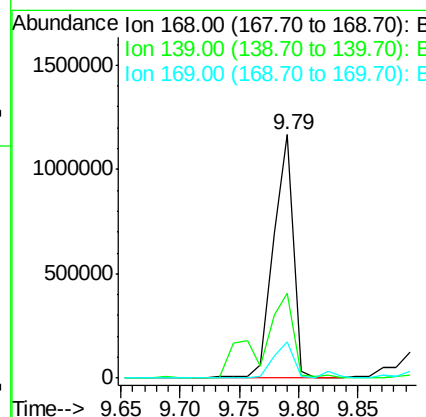
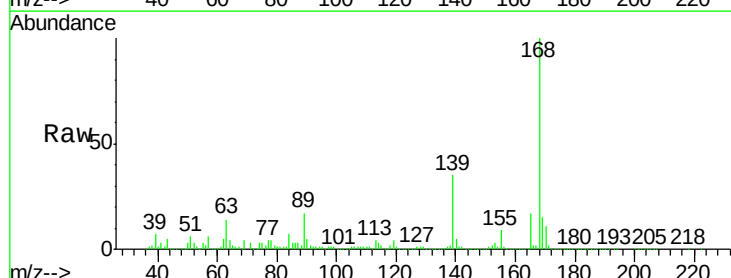
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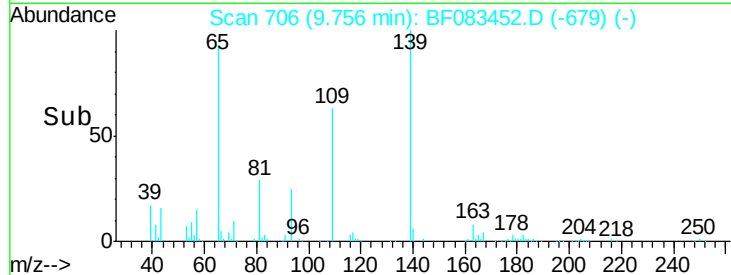
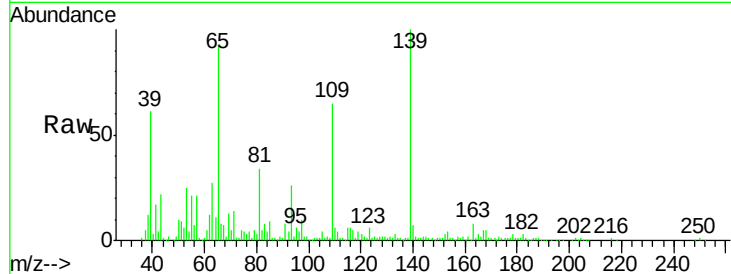
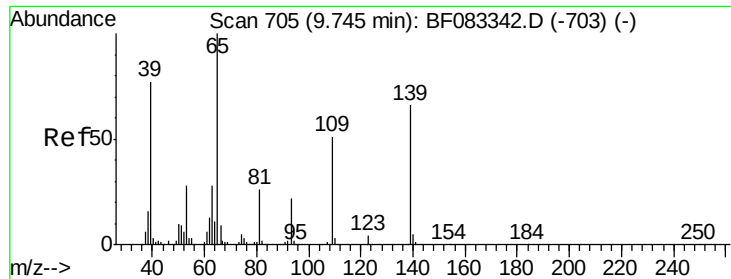
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#54
 Dibenzofuran
 Concen: 64.97 ng
 RT: 9.79 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion:168 Resp: 1358618
 Ion Ratio Lower Upper
 168 100
 139 35.1 32.7 49.1
 169 15.1 11.1 16.7





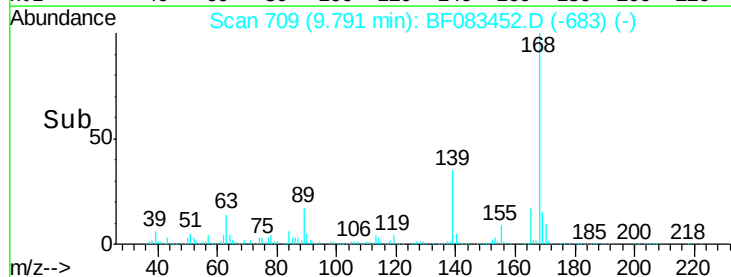
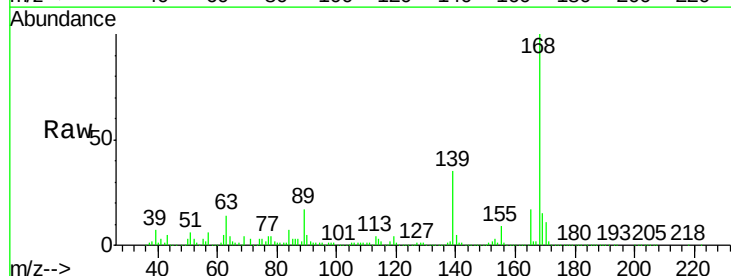
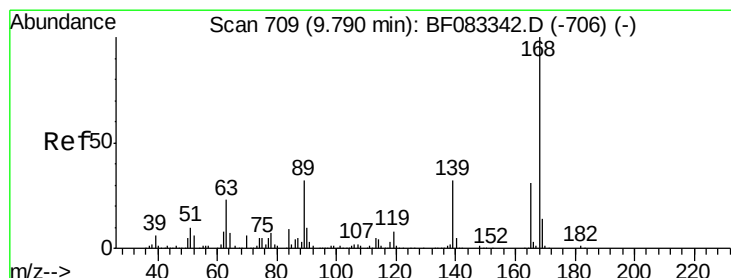
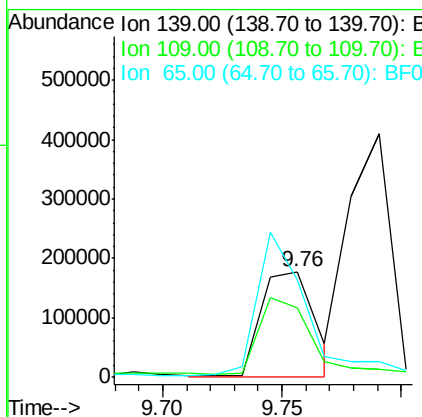
#55
4-Nitrophenol
Concen: 97.23 ng/ml
RT: 9.76 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	65.4	57.4	97.4	
65	92.0	131.6	171.6	

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

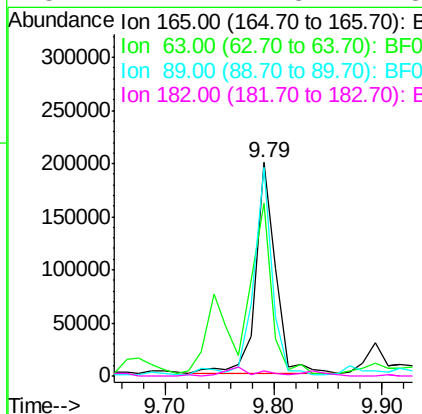
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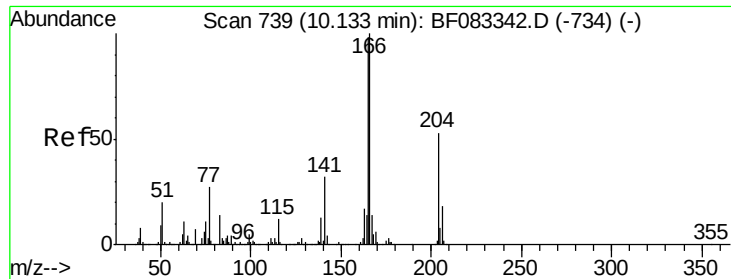
Mmdadoda
12/3/2015 7:10:13 PM



#56
2,4-Dinitrotoluene
Concen: 51.39 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	80.8	65.4	98.0	
89	97.8	81.2	121.8	
182	2.7	1.8	2.8	





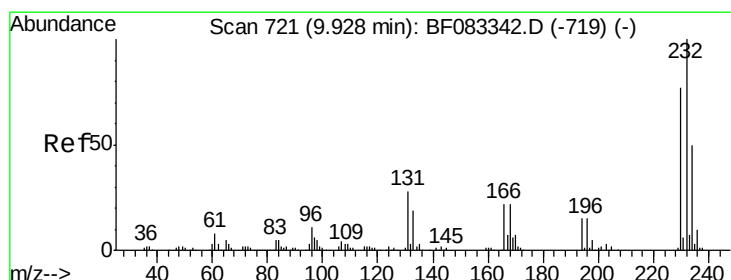
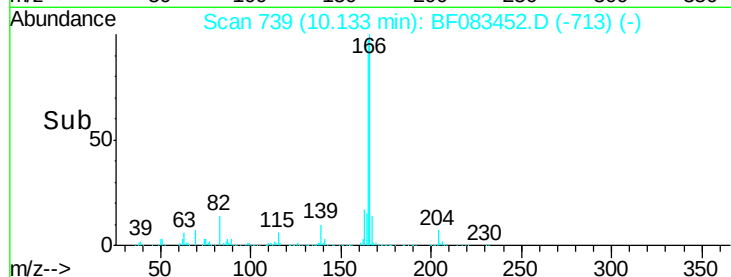
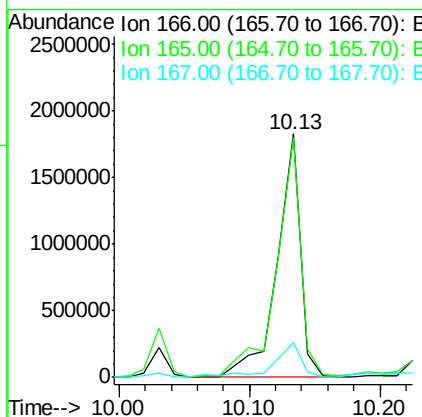
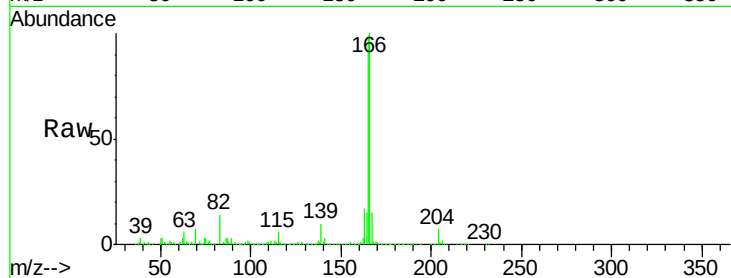
#57
Fluorene
Concen: 139.13 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Manual Integrations
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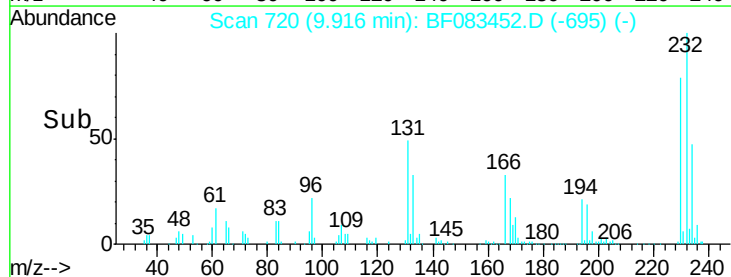
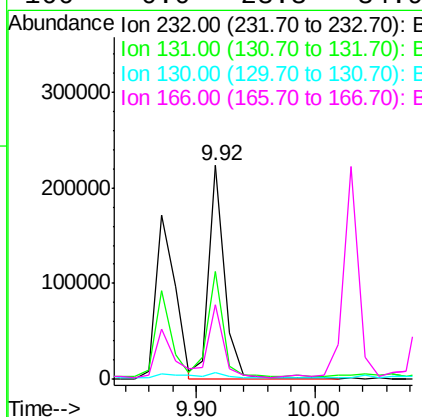
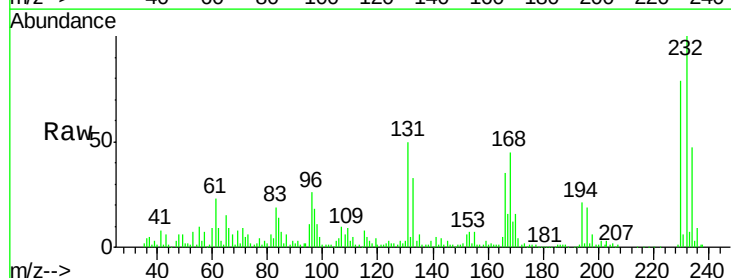
Mmdadoda
12/3/2015 7:10:13 PM

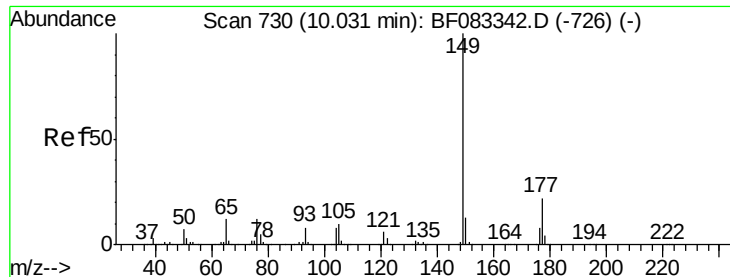
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.3	117.5
167	14.6	11.1	16.7



#58
2,3,4,6-Tetrachlorophenol
Concen: 48.62 ng
RT: 9.92 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
232	100		
131	48.6	35.4	53.2
130	3.0	1.7	2.5#
166	0.0	23.3	34.9#





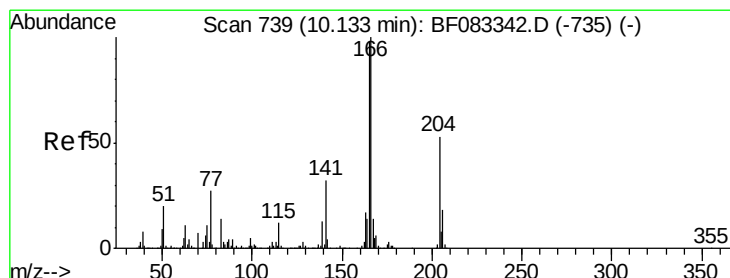
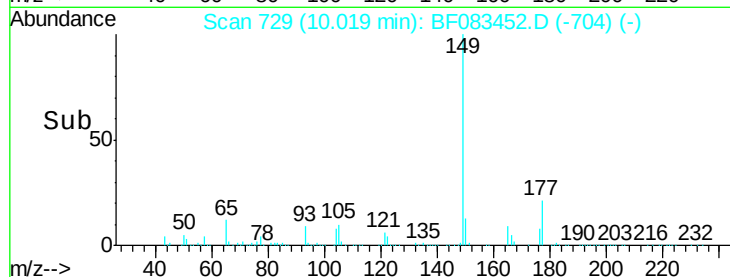
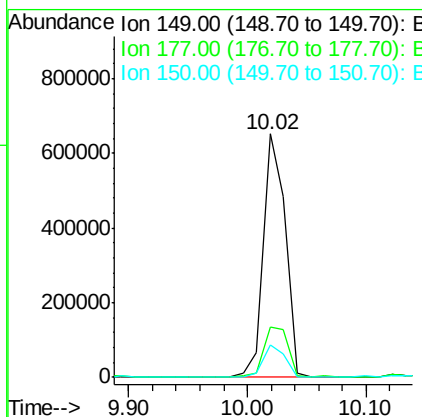
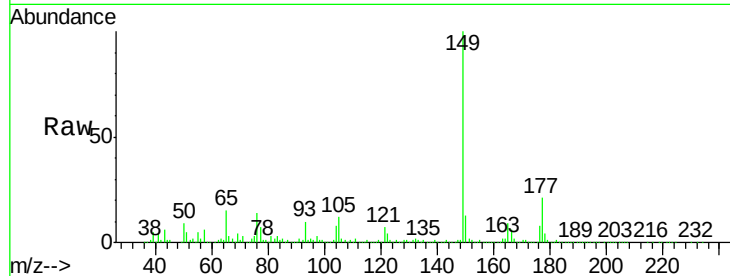
#59
Diethylphthalate
Concen: 47.36 ng
RT: 10.02 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	835017		
177	20.9	17.4	26.2	
150	13.4	10.4	15.6	

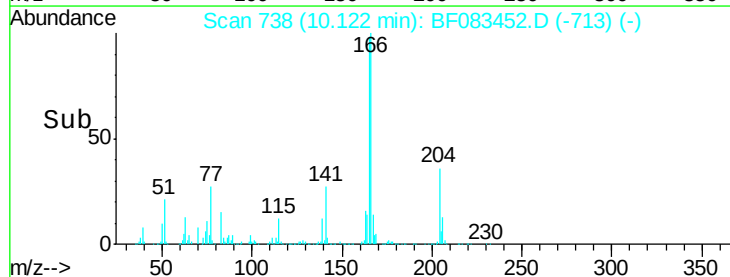
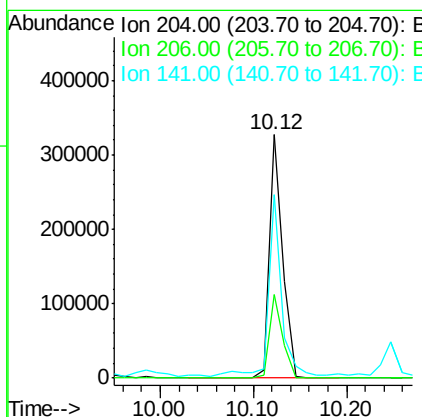
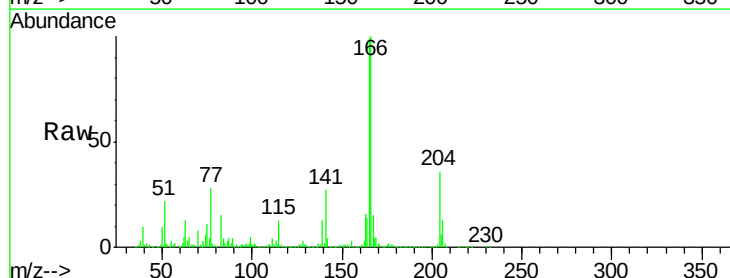
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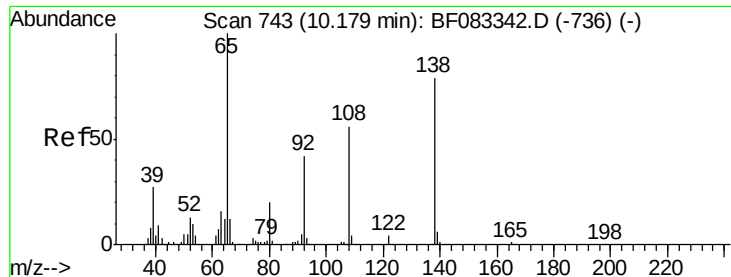
Mmdadoda
12/3/2015 7:10:13 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.67 ng
RT: 10.12 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	323739		
206	34.4	27.5	41.3	
141	75.4	48.1	72.1	





#61

4-Nitroaniline

Concen: 45.79 ng

RT: 10.17 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

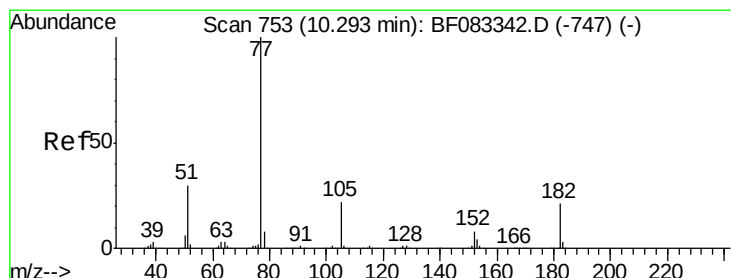
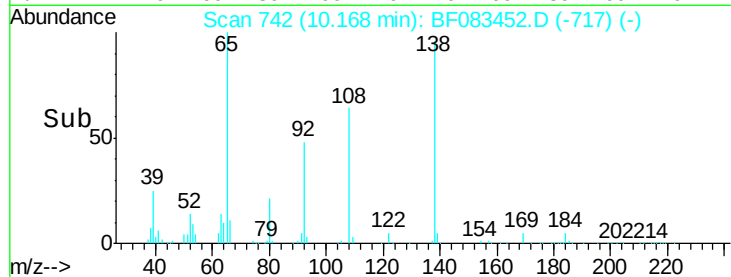
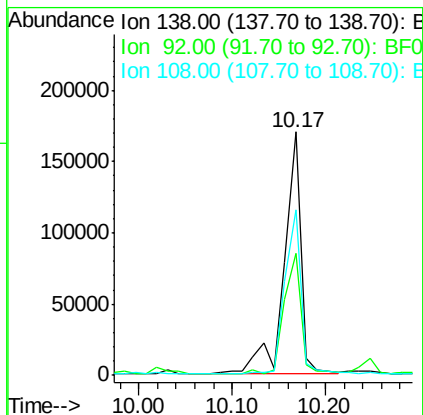
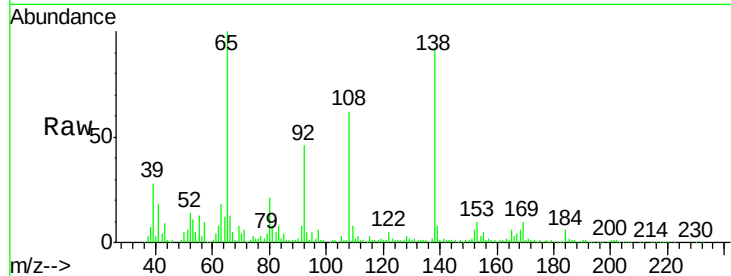
ClientSampleId :

SB-P3WC-09(0-8)MS

Manual Integrations
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12/3/2015 7:10:13 PM

Tot Ion:	138	Resp:	212096
Ion	Ratio	Lower	Upper
138	100		
92	50.3	33.6	73.6
108	67.8	51.0	91.0



#62

Azobenzene

Concen: 50.50 ng

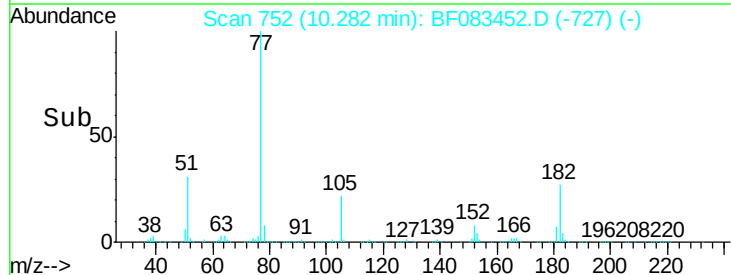
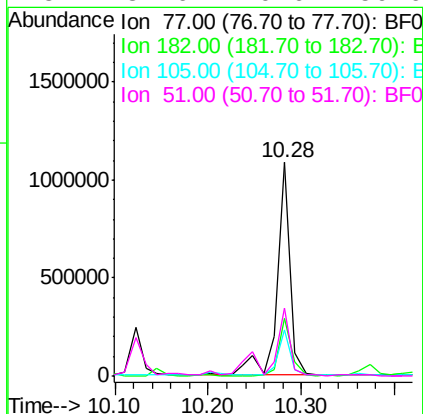
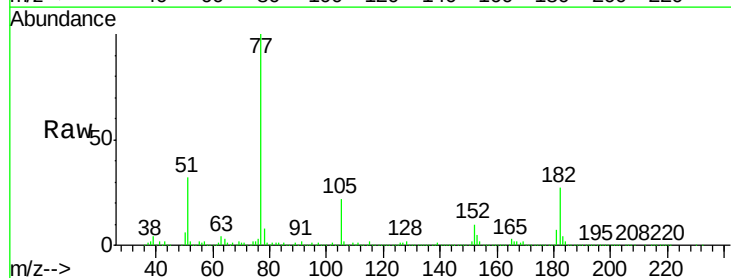
RT: 10.28 min Scan# 752

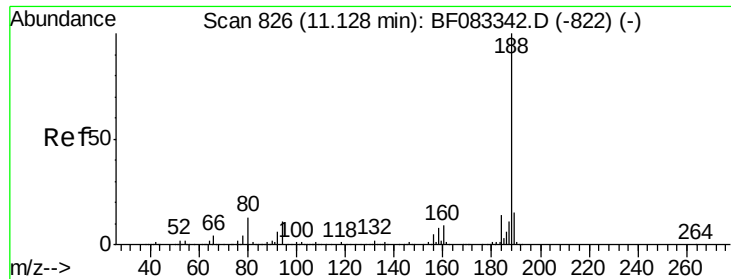
Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	77	Resp:	1075458
Ion	Ratio	Lower	Upper
77	100		
182	26.7	0.8	40.8
105	21.8	2.3	42.3
51	31.6	10.6	50.6





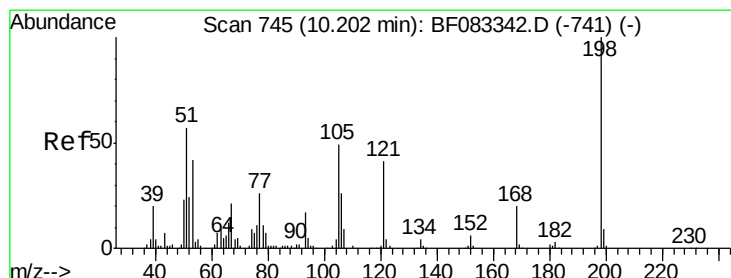
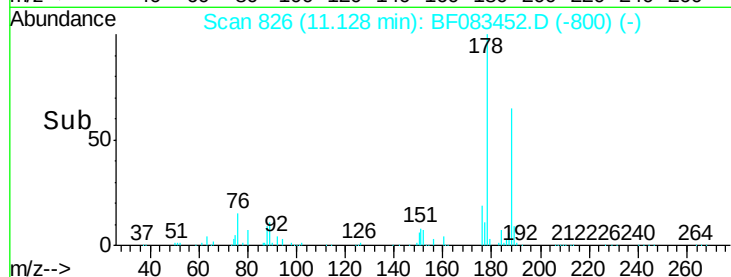
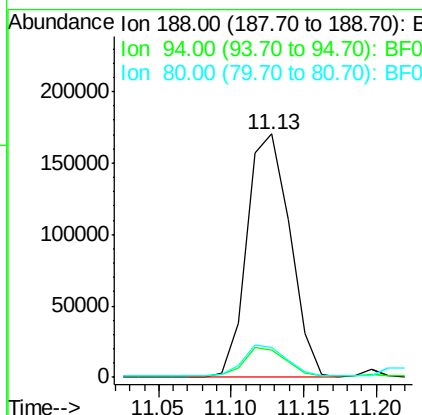
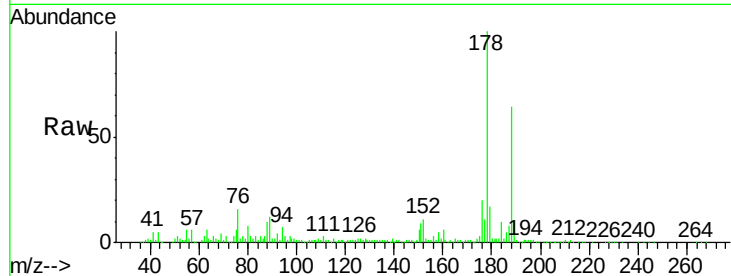
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	351381		
94	11.0		8.7	13.1
80	12.5		10.3	15.5

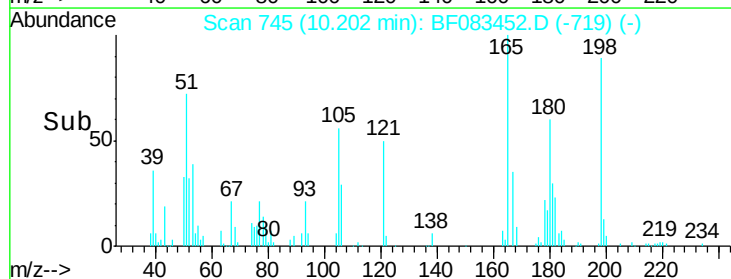
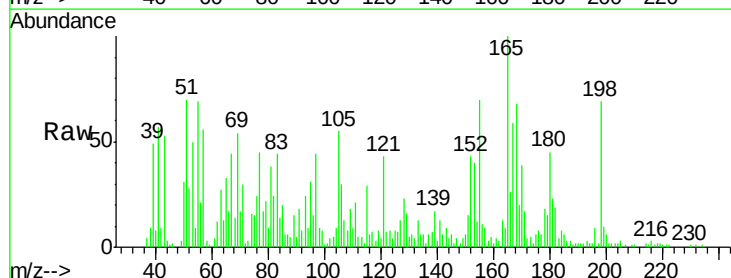
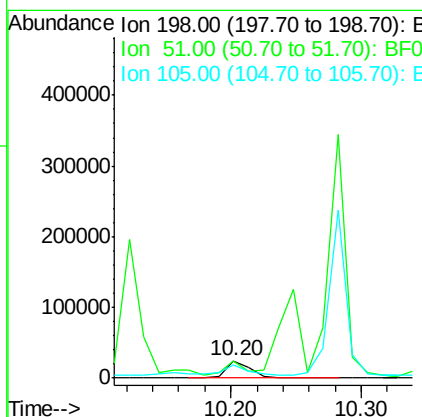
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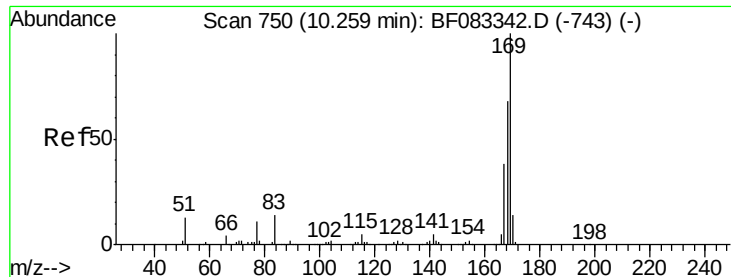
Mmdadoda
12/3/2015 7:10:13 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 14.59 ng
RT: 10.20 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	34411		
51	101.3		38.3	78.3#
105	79.9		29.2	69.2#





#65

n-Nitrosodiphenylamine

Concen: 65.92 ng

RT: 10.25 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

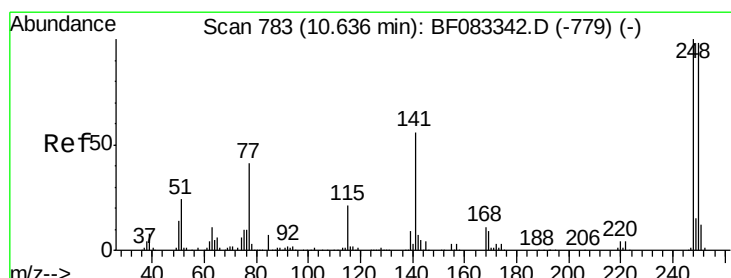
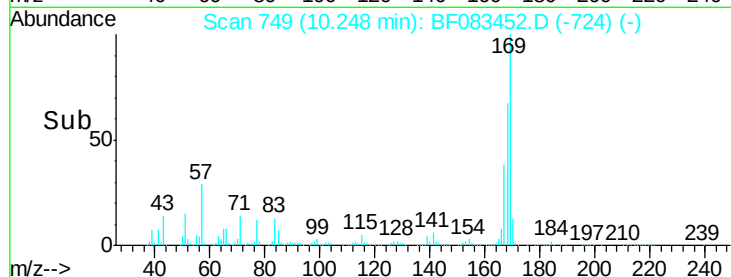
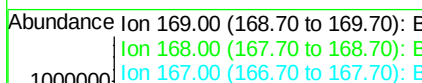
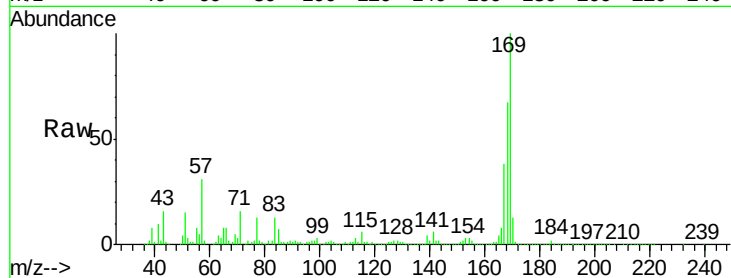
ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:	169	Resp:	813947
Ion Ratio	Lower	Upper	
169	100		
168	67.2	54.8	82.2
167	38.3	30.2	45.2

Manual Integrations
APPROVED

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12/3/2015 7:10:13 PM



#66

4-Bromophenyl-phenylether

Concen: 59.94 ng

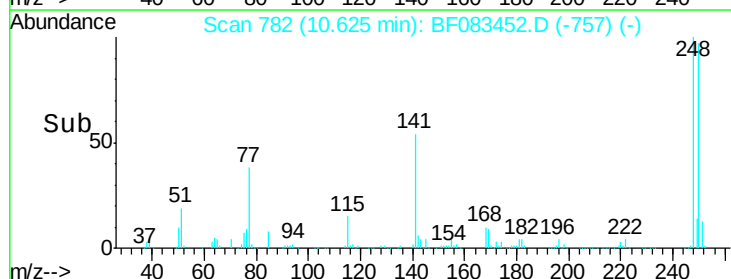
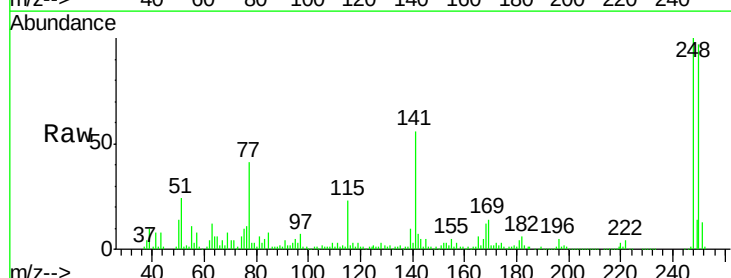
RT: 10.62 min Scan# 782

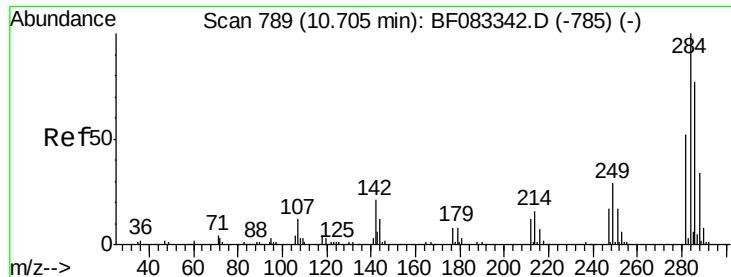
Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	248	Resp:	230376
Ion Ratio	Lower	Upper	
248	100		
250	97.1	78.6	118.0
141	56.1	44.4	66.6





#67

Hexachlorobenzene

Concen: 55.07 ng

RT: 10.69 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

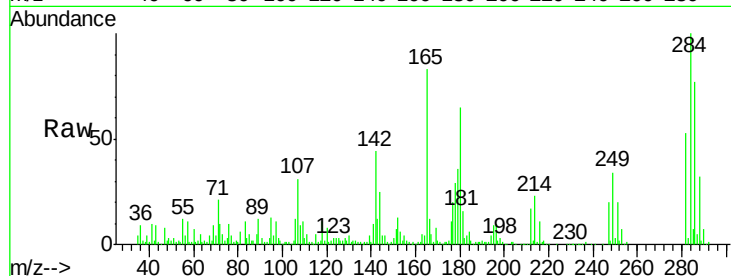
ClientSampleId :

SB-P3WC-09(0-8)MS

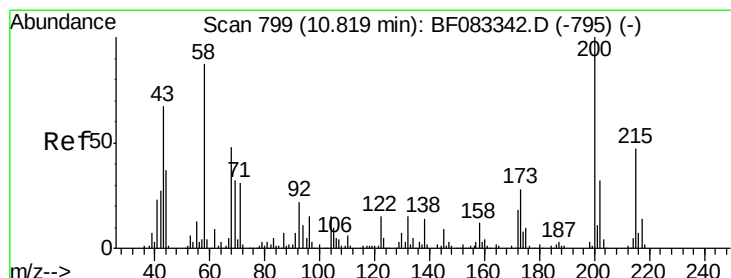
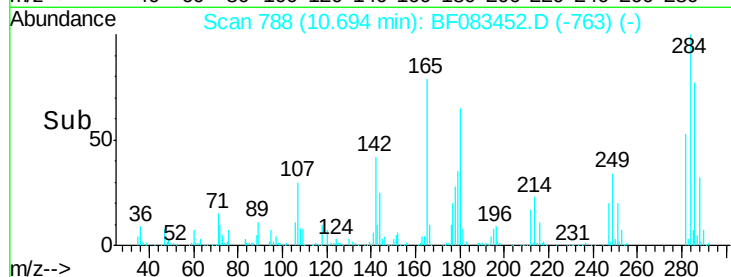
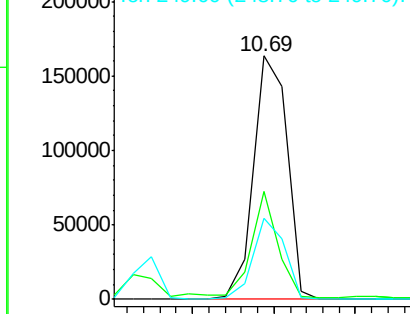
Tot Ion:	284	Resp:	234066
Ion Ratio	Lower	Upper	
284	100		
142	44.1	16.6	24.8#
249	33.5	23.0	34.4

Manual Integrations
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12/3/2015 7:10:13 PM



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



#68

Atrazine

Concen: 67.47 ng

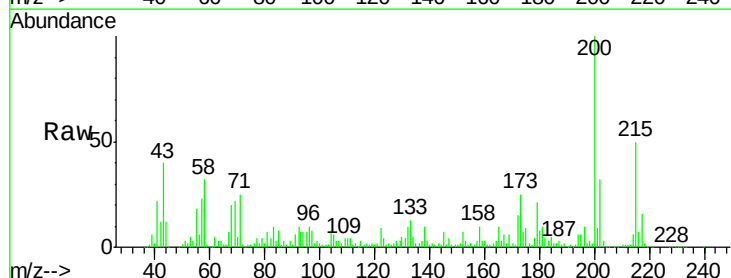
RT: 10.83 min Scan# 800

Delta R.T. 0.01 min

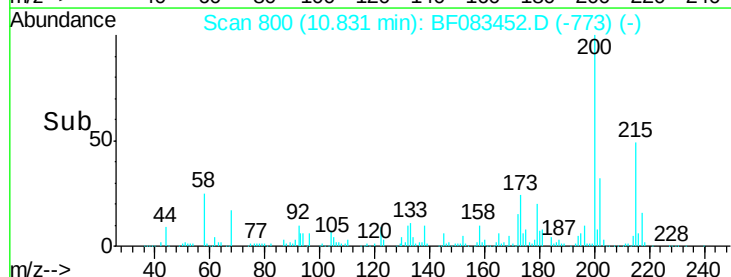
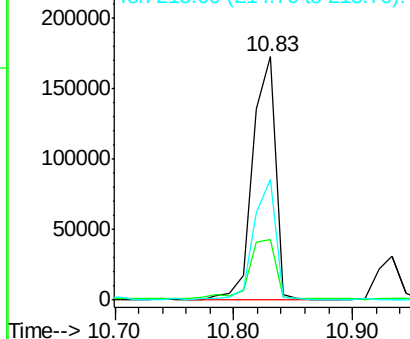
Lab File: BF083452.D

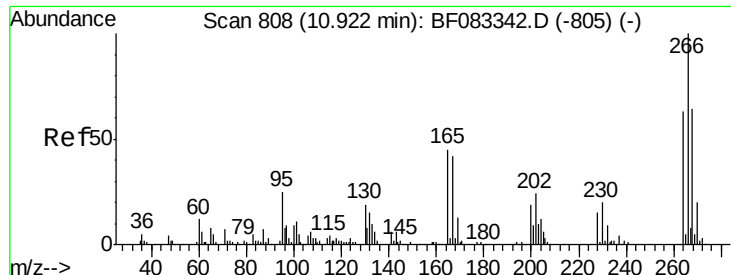
Acq: 3 Dec 2015 9:26

Tgt Ion:	200	Resp:	230416
Ion Ratio	Lower	Upper	
200	100		
173	24.7	8.3	48.3
215	49.7	26.7	66.7



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





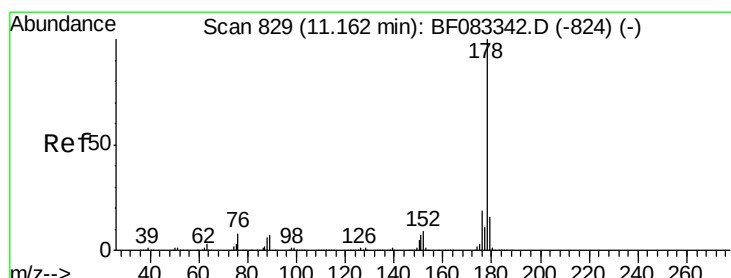
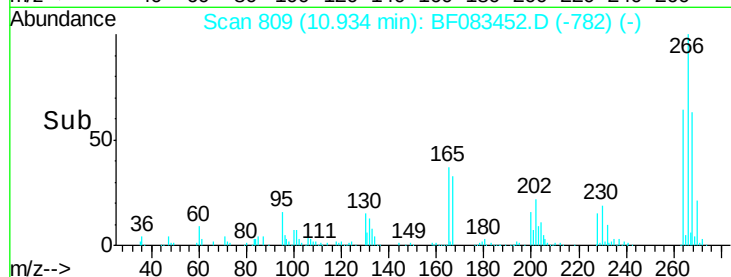
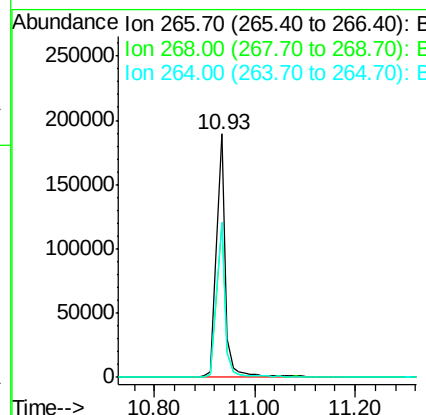
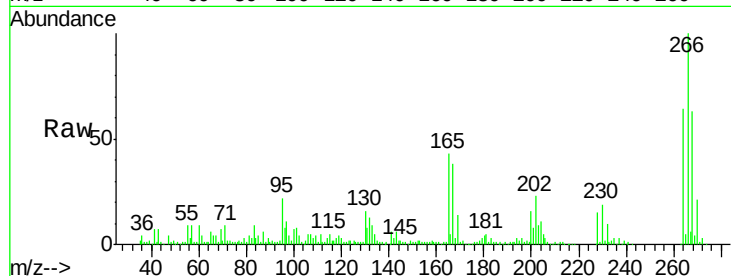
#69
 Pentachlorophenol
 Concen: 106.66 ng
 RT: 10.93 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.5	77.3
264	63.5	50.4	75.6

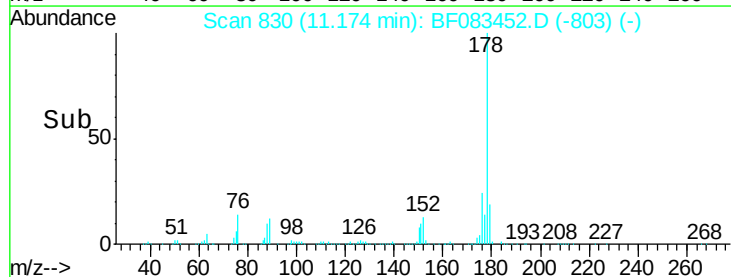
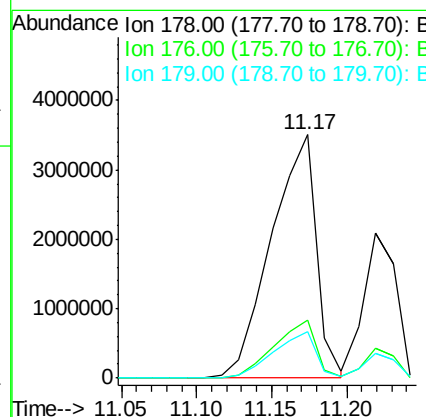
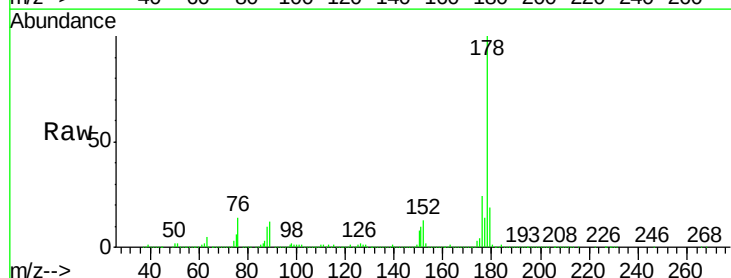
Manual Integrations
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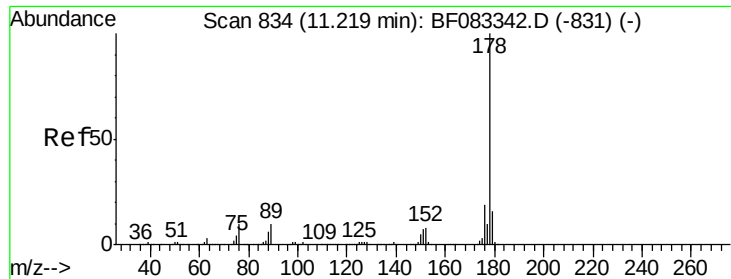
Mmdadoda
 12/3/2015 7:10:13 PM



#70
 Phenanthrene
 Concen: 350.70 ng m
 RT: 11.17 min Scan# 830
 Delta R.T. 0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.1	15.3	22.9#
179	19.3	12.4	18.6#





#71

Anthracene

Concen: 147.54 ng

RT: 11.22 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:178 Resp: 3088550

Ion Ratio Lower Upper

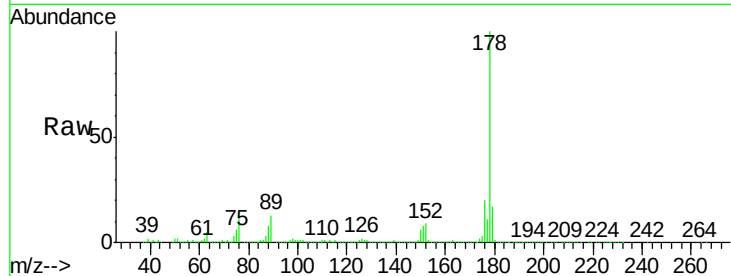
178 100

176 20.2 15.6 23.4

179 17.0 12.8 19.2

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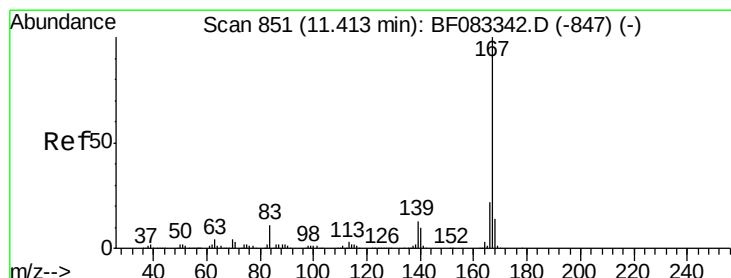
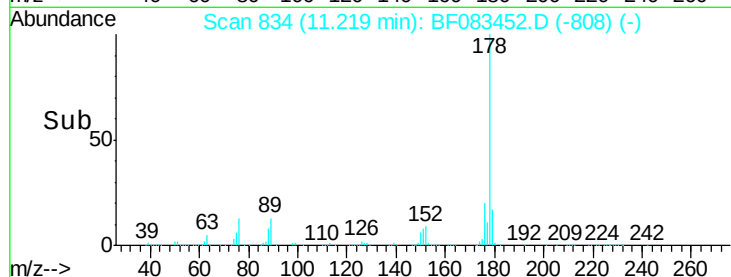
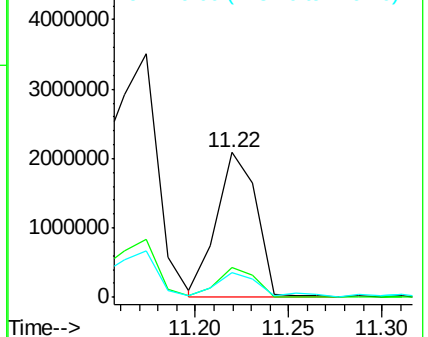
Mmdadoda
12/3/2015 7:10:13 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 54.38 ng

RT: 11.40 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

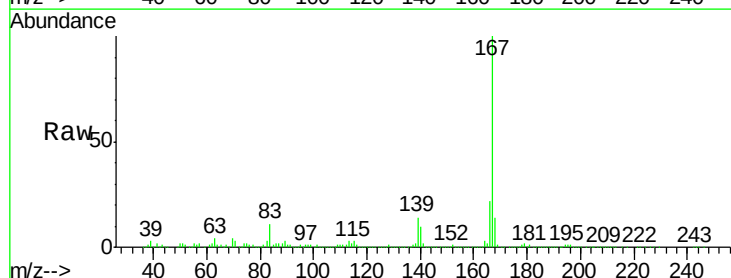
Tgt Ion:167 Resp: 1022802

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

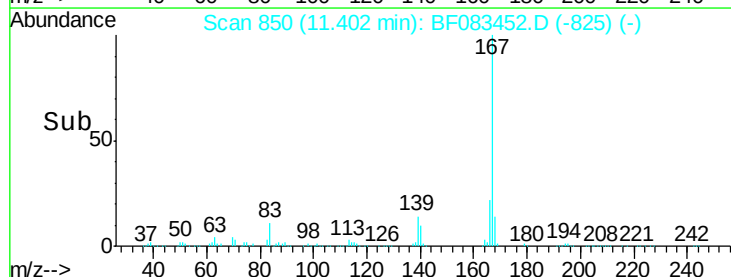
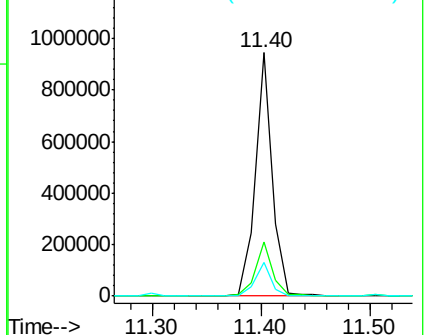
139 13.8 10.5 15.7

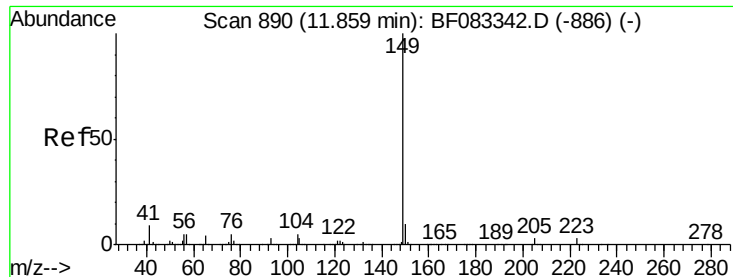


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 59.95 ng

RT: 11.85 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

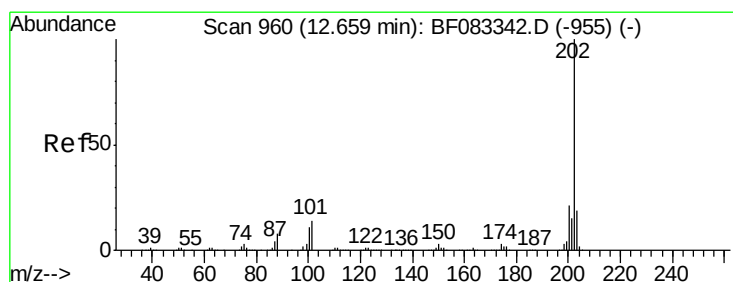
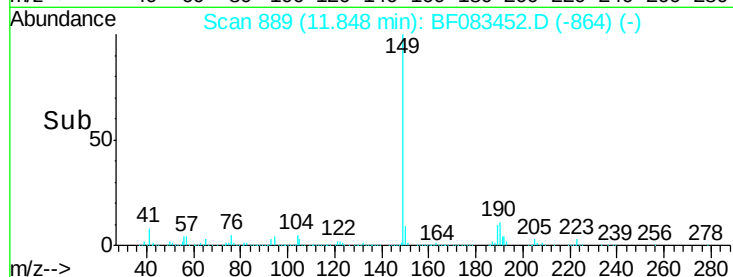
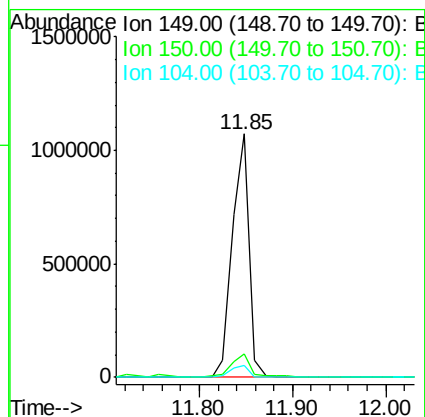
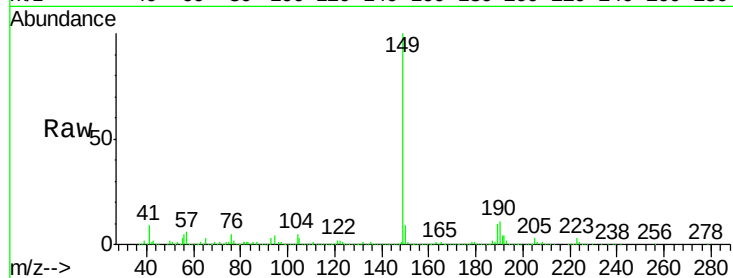
ClientSampleId :

SB-P3WC-09(0-8)MS

Manual Integrations
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Tot Ion:	149	Resp:	1336310
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	4.7	4.0	6.0



#74

Fluoranthene

Concen: 205.55 ng

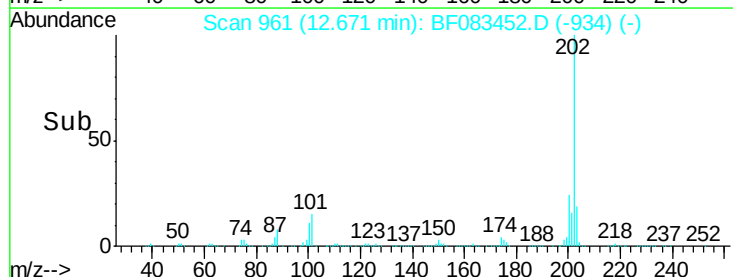
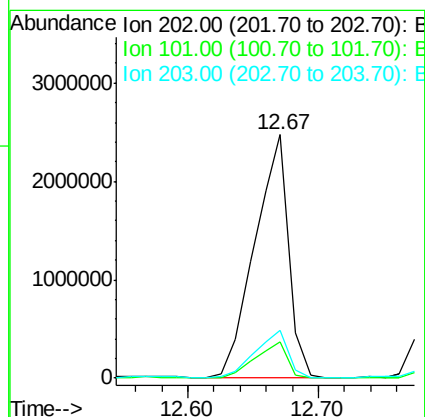
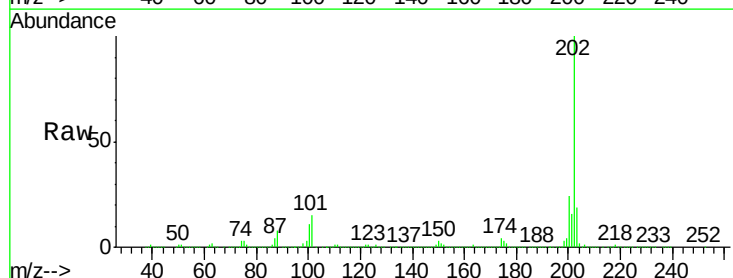
RT: 12.67 min Scan# 961

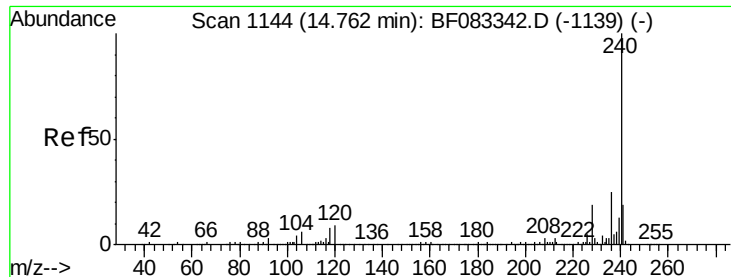
Delta R.T. 0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	202	Resp:	4430601
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.5
203	19.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

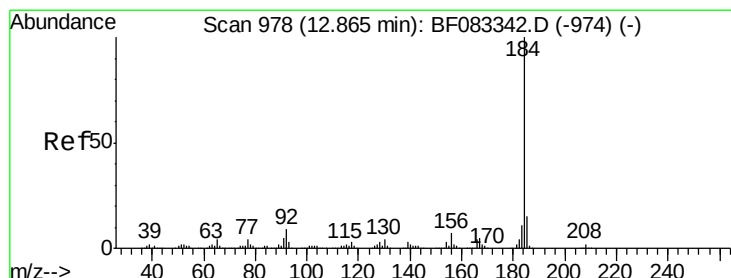
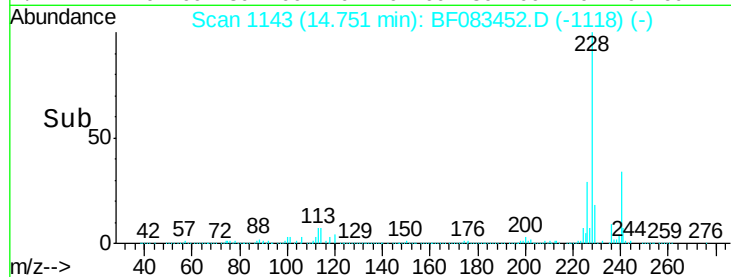
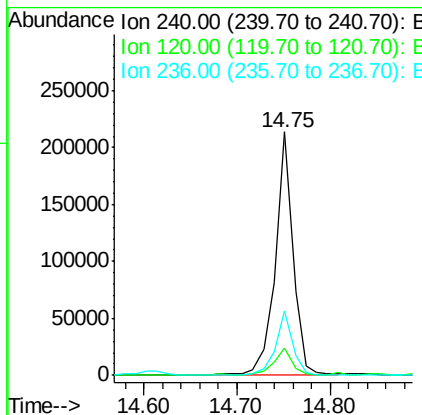
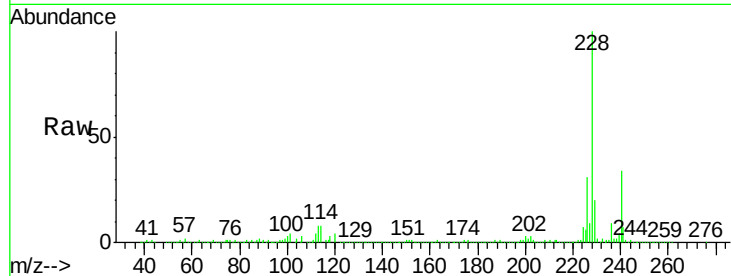
ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:	240	Resp:	279881
Ion Ratio	Lower	Upper	
240	100		
120	11.5	6.9	10.3#
236	26.4	19.8	29.6

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#76

Benzidine

Concen: 65.17 ng

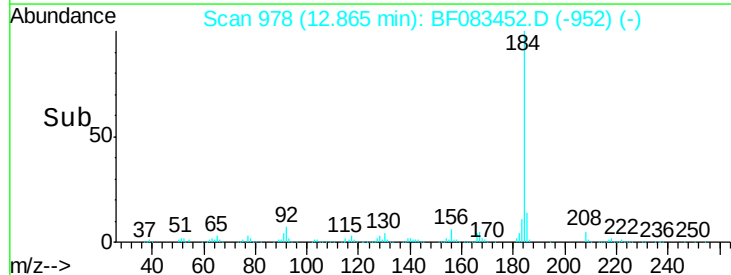
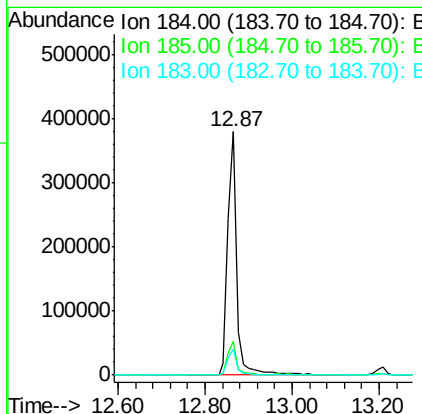
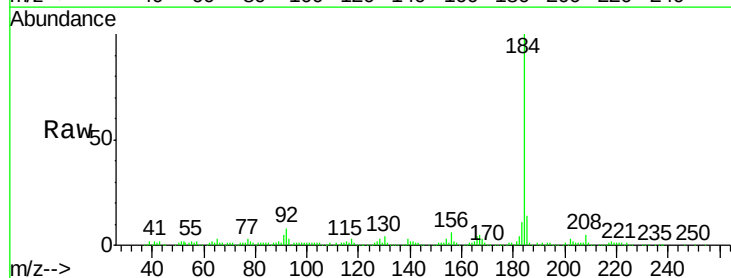
RT: 12.87 min Scan# 978

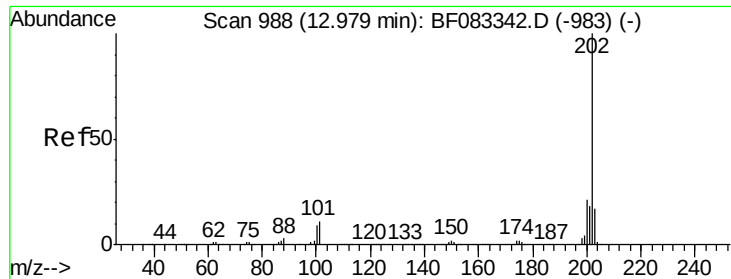
Delta R.T. 0.00 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	184	Resp:	543310
Ion Ratio	Lower	Upper	
184	100		
185	13.7	12.4	18.6
183	10.9	9.0	13.4





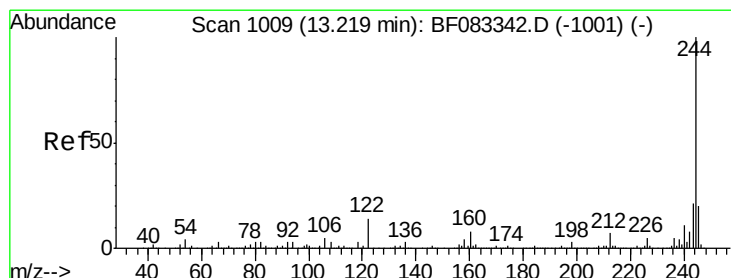
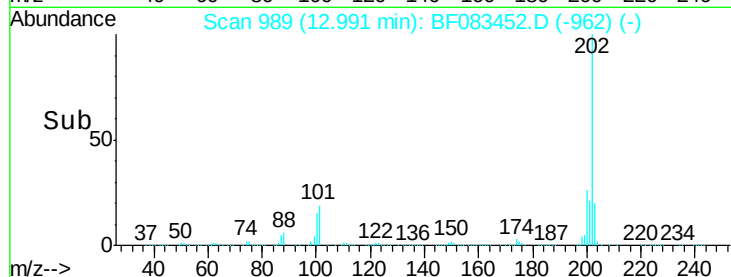
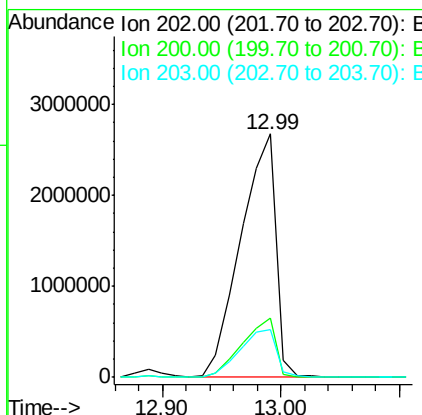
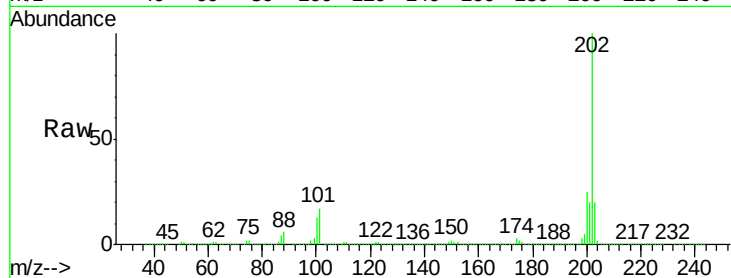
#77
Pvrene
Concen: 279.99 ng
RT: 12.99 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion:202 Resp: 5472787
Ion Ratio Lower Upper
202 100
200 24.6 16.9 25.3
203 19.8 13.9 20.9

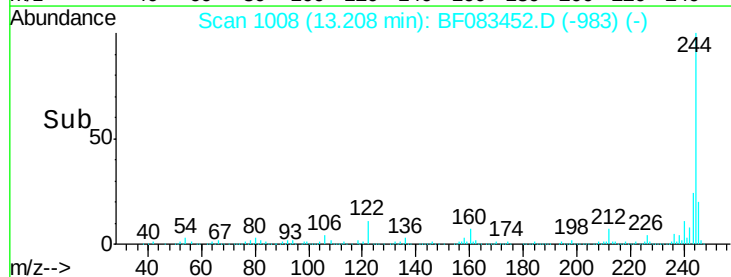
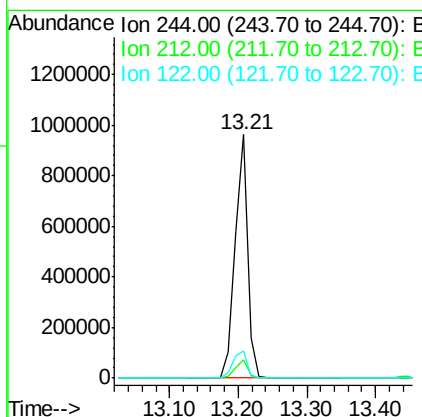
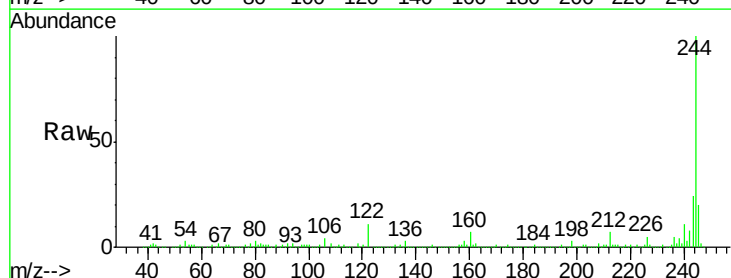
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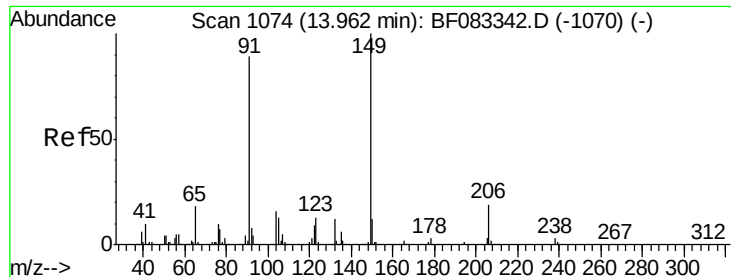
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#78
Terphenyl-d14
Concen: 106.43 ng
RT: 13.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion:244 Resp: 1249041
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 11.2 11.0 16.4





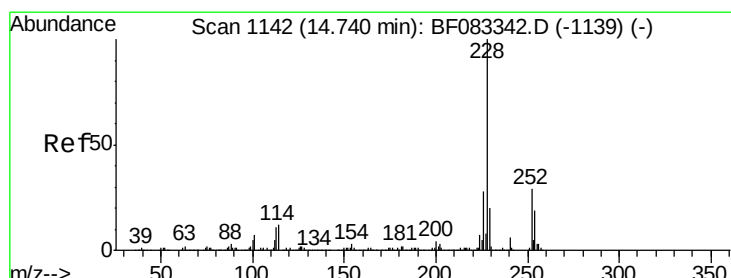
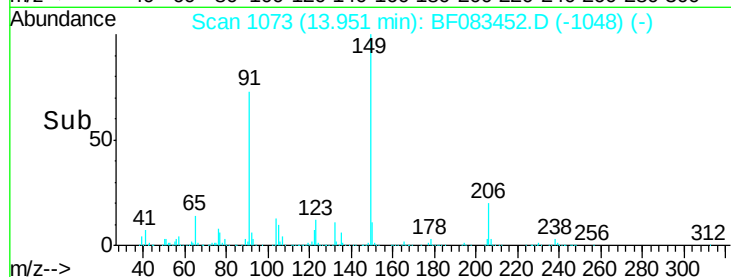
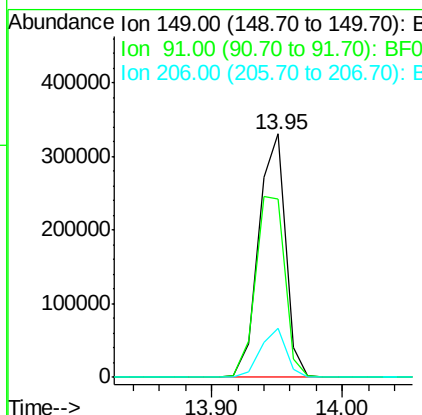
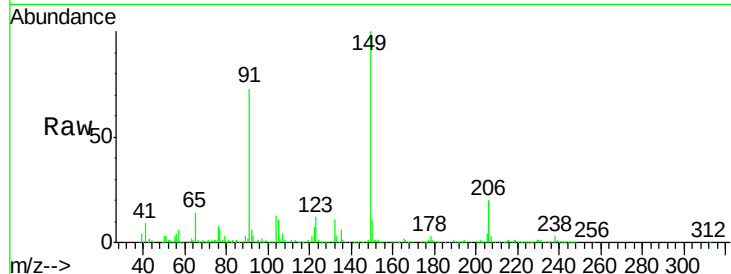
#79
Butylbenzylphthalate
Concen: 57.30 ng
RT: 13.95 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.2	71.4	107.2
206	20.2	15.1	22.7

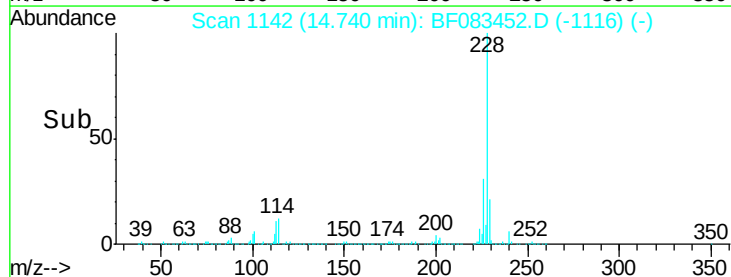
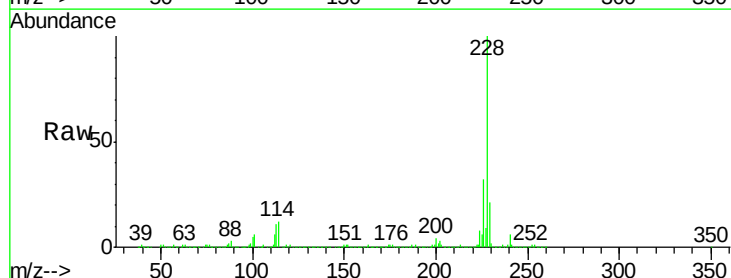
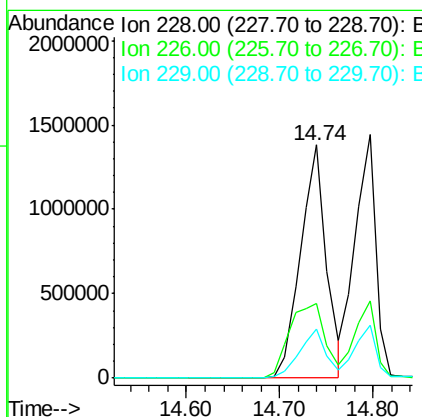
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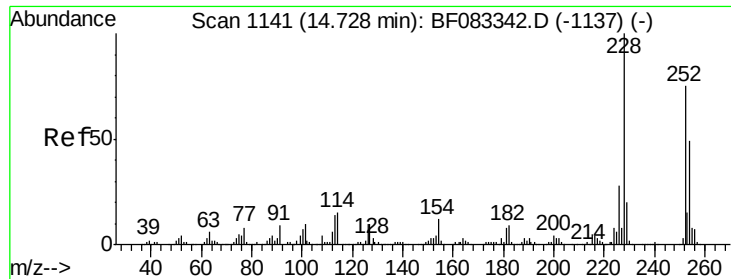
Mmdadoda
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#80
Benzo(a)anthracene
Concen: 156.89 ng
RT: 14.74 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.2	33.4
229	21.2	16.1	24.1





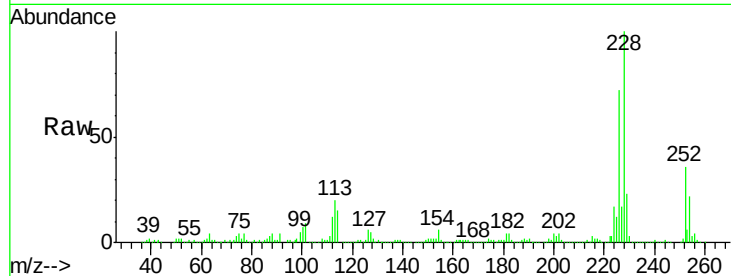
#81
 3,3'-Dichlorobenzidine
 Concen: 52.27 ng
 RT: 14.72 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	279929		
254	62.0	52.0	78.0	
126	16.0	10.7	16.1	

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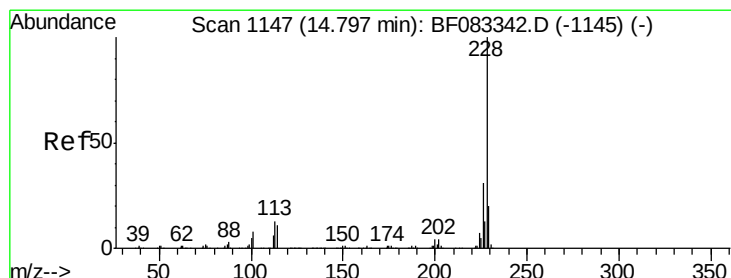
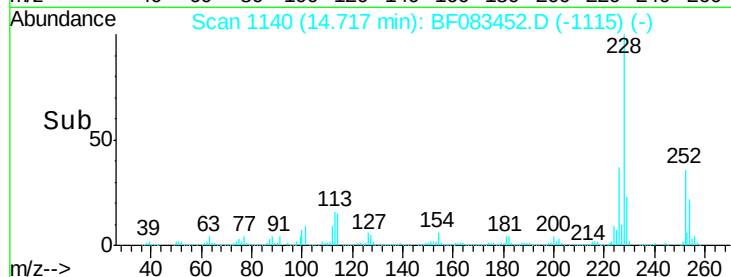
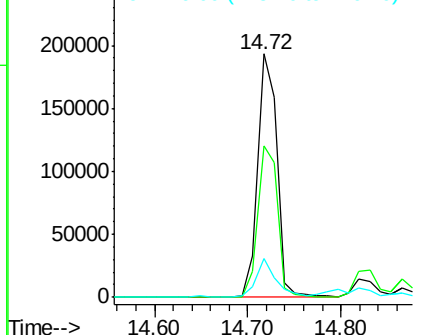


Abundance

Ion 252.00 (251.70 to 252.70): E

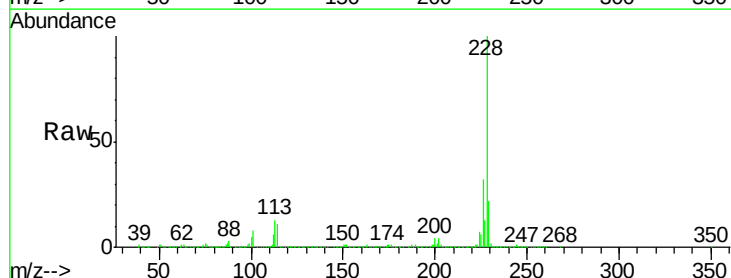
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 135.88 ng
 RT: 14.80 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2251068		
226	31.8	24.6	37.0	
229	21.6	16.2	24.2	

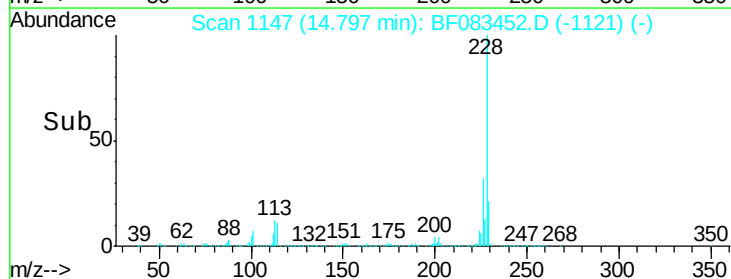
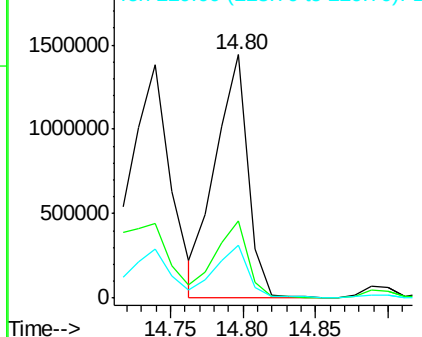


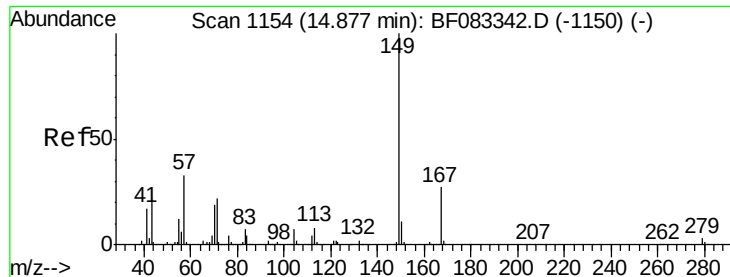
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 60.53 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

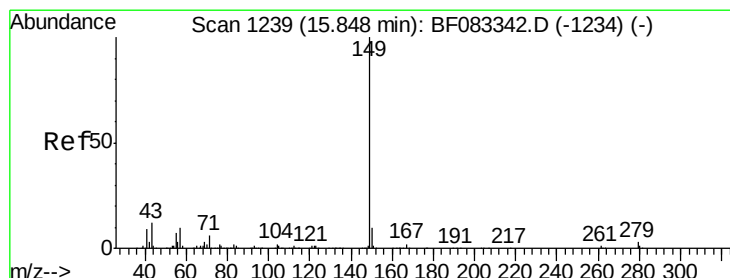
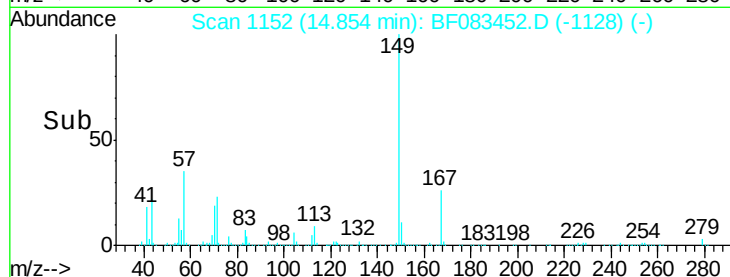
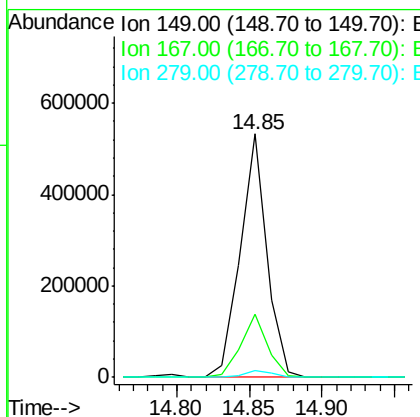
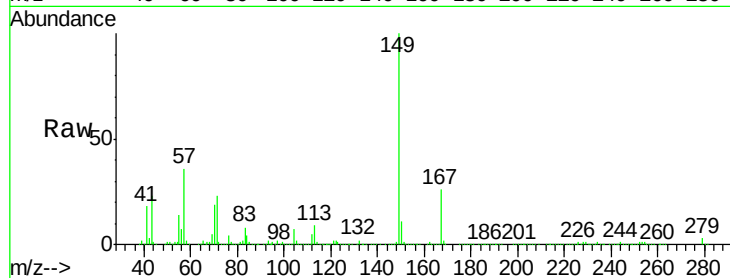
ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:	149	Resp:	673299
Ion Ratio		Lower	Upper
149	100		
167	26.1	21.5	32.3
279	2.9	2.6	3.8

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#84

Di-n-octyl phthalate

Concen: 67.04 ng

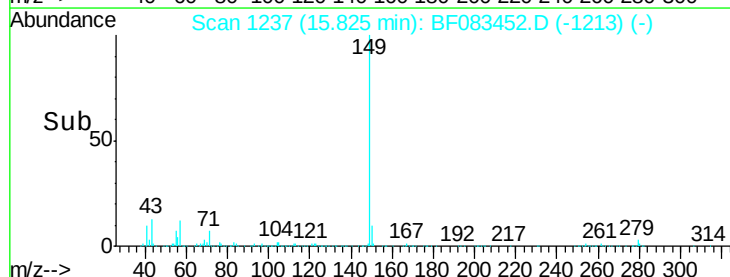
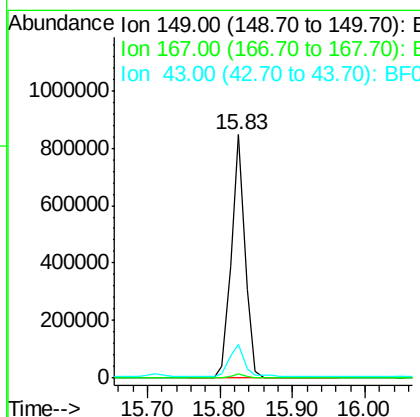
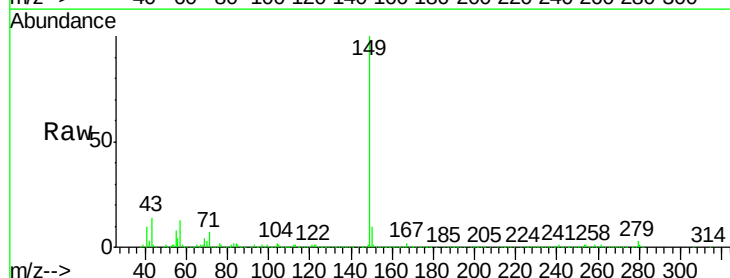
RT: 15.83 min Scan# 1237

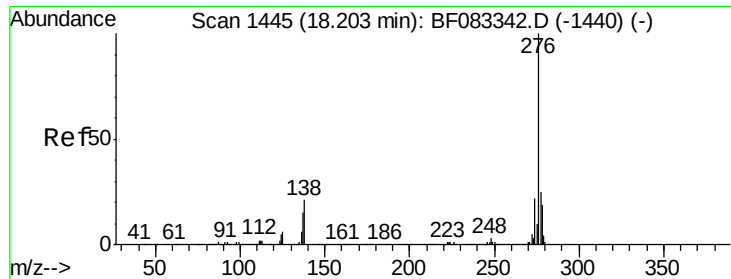
Delta R.T. -0.02 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Tgt Ion:	149	Resp:	1110337
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.0	11.0	16.6





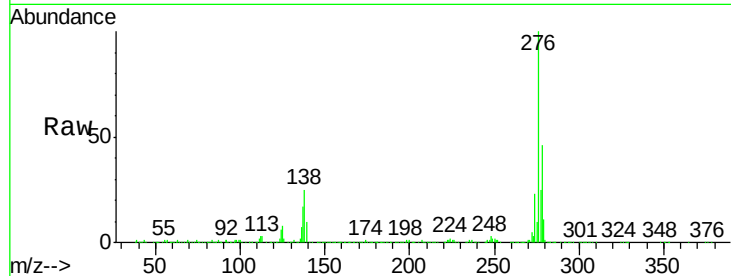
#85
Indeno(1,2,3-cd)pyrene
Concen: 111.90 ng
RT: 18.20 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

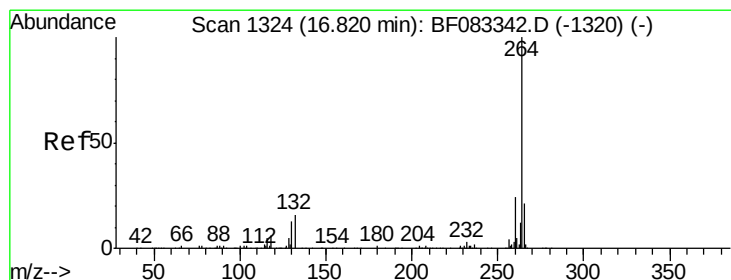
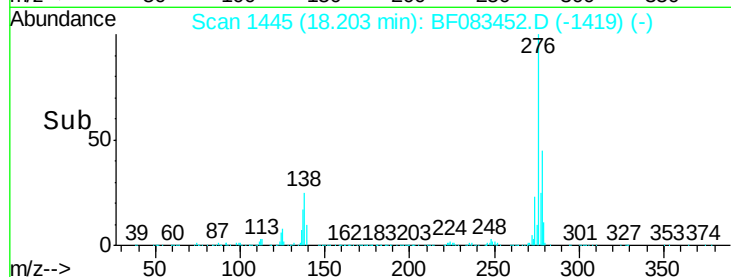
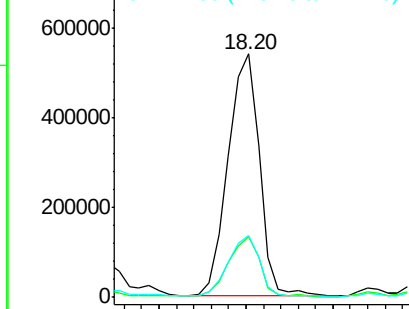
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.2	31.8
277	25.5	20.0	30.0

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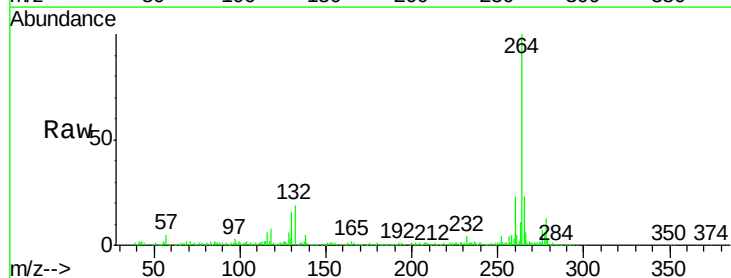


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

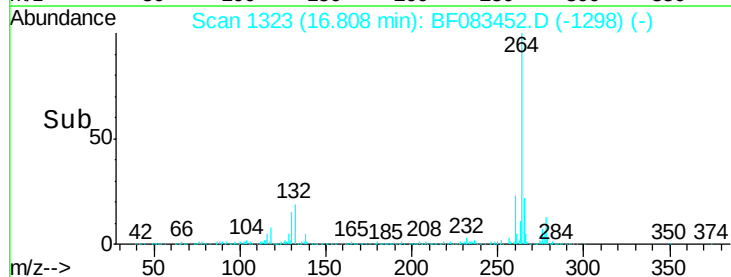
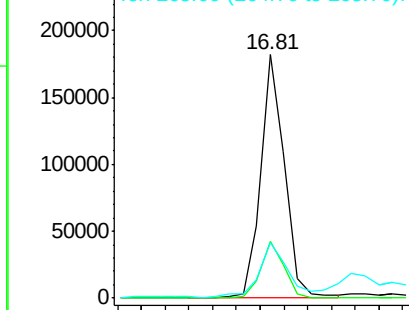


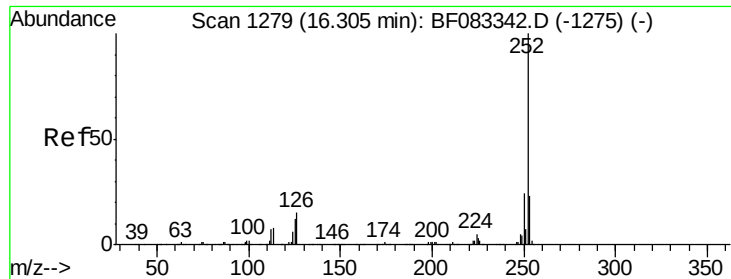
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.81 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	22.8	16.8	25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 146.59 ng m

RT: 16.32 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MS

Tot Ion:252 Resp: 2416805

Ion Ratio Lower Upper

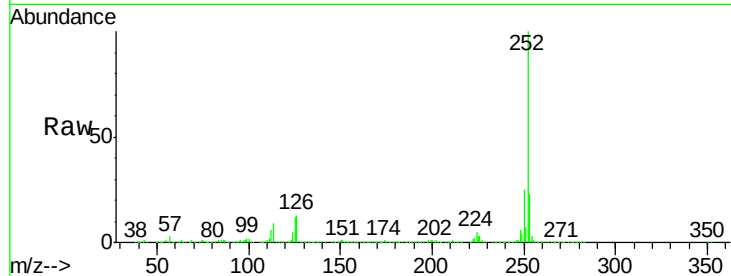
252 100

253 22.6 18.4 27.6

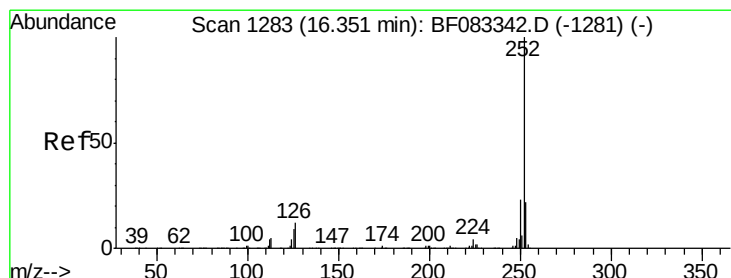
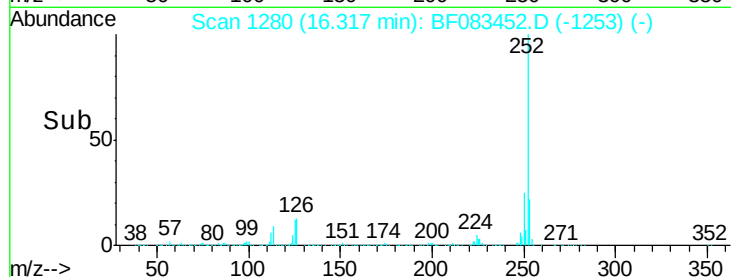
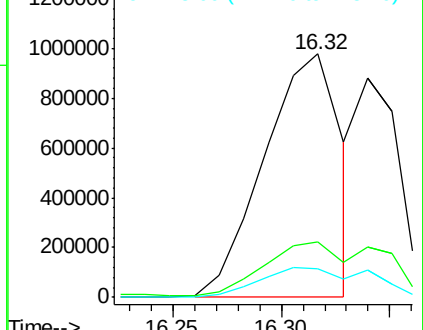
125 11.6 9.6 14.4

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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: 75.05 ng m

RT: 16.34 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF083452.D

Acq: 3 Dec 2015 9:26

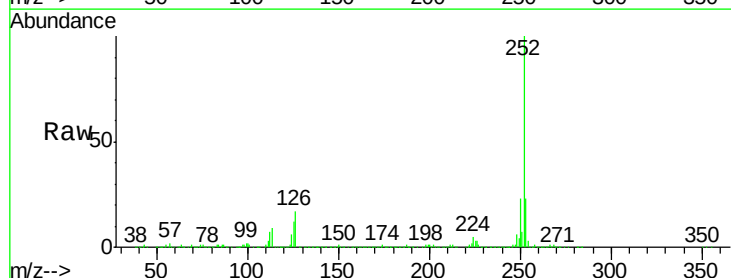
Tgt Ion:252 Resp: 1168364

Ion Ratio Lower Upper

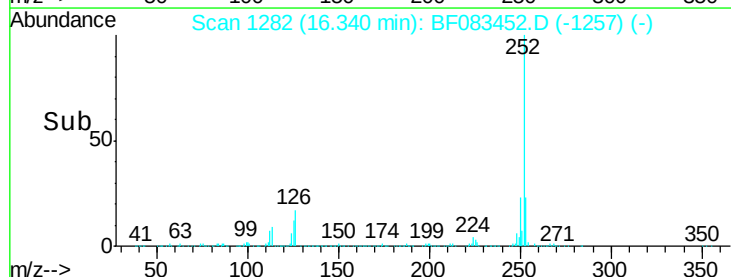
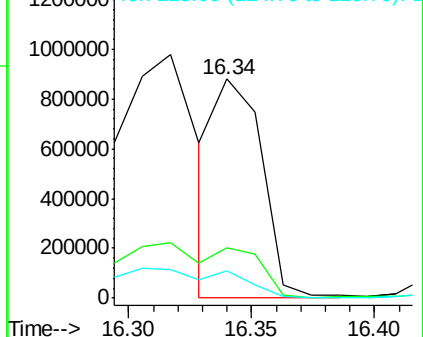
252 100

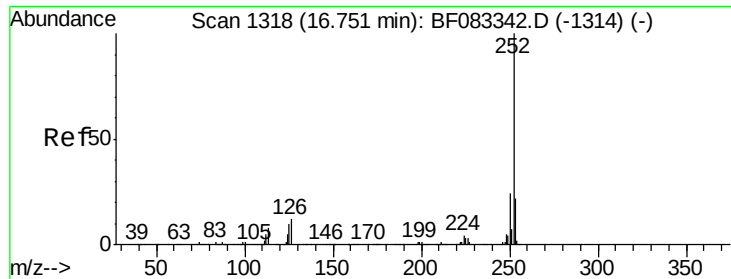
253 23.0 17.4 26.0

125 12.3 7.5 11.3#



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





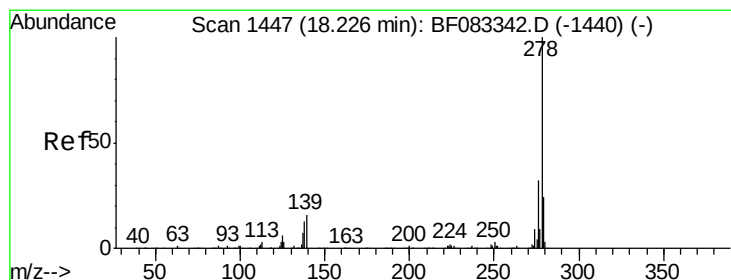
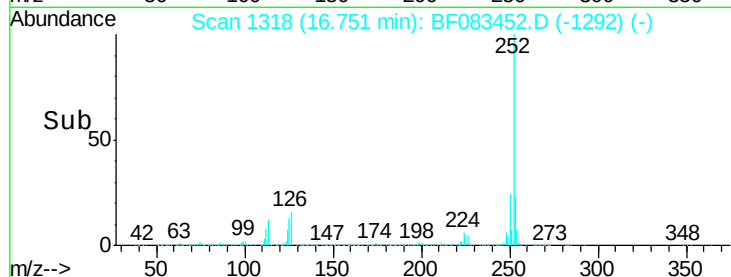
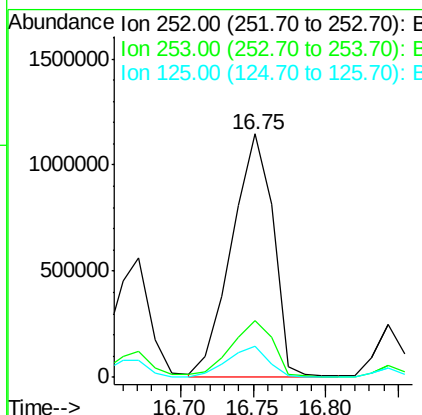
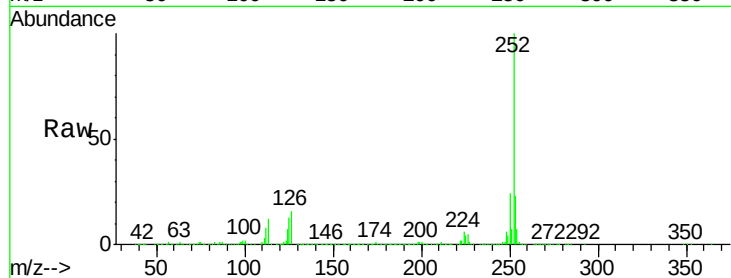
#89
Benzo(a)pyrene
Concen: 160.61 ng
RT: 16.75 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.7	7.8	11.8

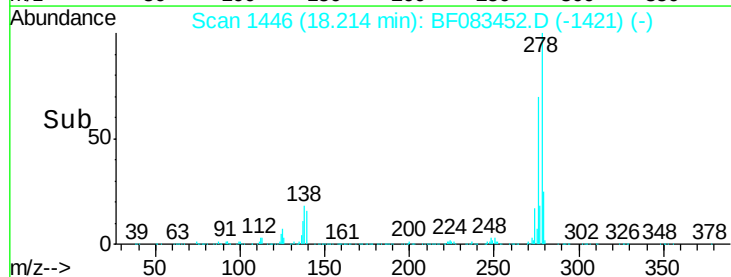
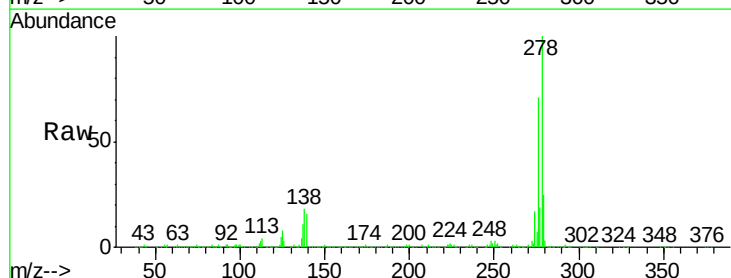
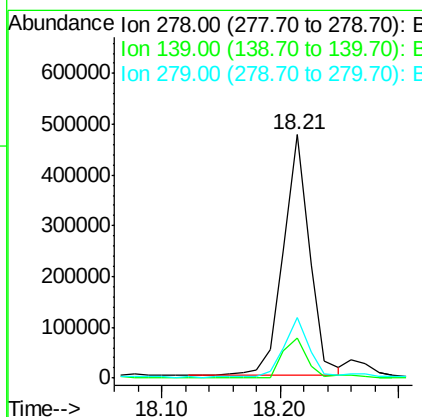
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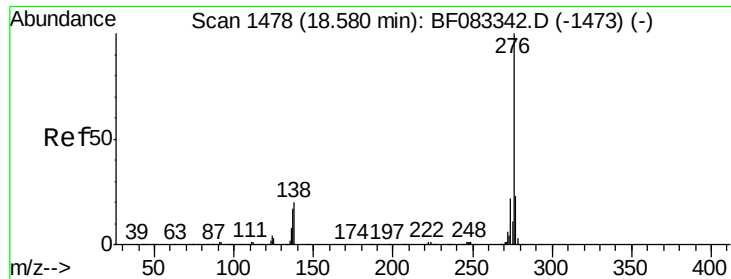
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12/3/2015 7:10:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 58.18 ng
RT: 18.21 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF083452.D
Acq: 3 Dec 2015 9:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.1	19.7
279	25.0	19.2	28.8





#91
 Benzo(a,h,i)perylene
 Concen: 104.94 ng
 RT: 18.58 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF083452.D
 Acq: 3 Dec 2015 9:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MS

Tot Ion:	276	Resp:	1270906
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	21.5	16.1	24.1

Manual Integrations
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 12/3/2015 7:10:13 PM

