

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
 Data File : BF082821.D
 Acq On : 8 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4206-02MSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:08:42 PM

Quant Time: Nov 09 02:39:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	210933	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	765741	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	376769	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	642525	20.00	ng	0.00
75) Chrysene-d12	14.01	240	409803	20.00	ng	-0.01
86) Perylene-d12	15.44	264	450411	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1535440	113.26	ng	0.03
7) Phenol-d6	6.50	99	1755843	97.42	ng	0.02
23) Nitrobenzene-d5	7.41	82	1495354	84.97	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	417011	96.53	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2058435	78.30	ng	0.00
78) Terphenyl-d14	12.96	244	1541619	89.22	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.65	88	211848	36.22	ng	# 80
3) Pyridine	3.32	79	461074m	27.16	ng	
4) n-Nitrosodimethylamine	3.25	42	296643	35.24	ng	# 76
6) Aniline	6.51	93	315869	12.48	ng	# 1
8) 2-Chlorophenol	6.65	128	545112	36.27	ng	99
10) Phenol	6.51	94	658074	32.18	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	592783	38.76	ng	92
12) 1,3-Dichlorobenzene	6.80	146	658408	38.85	ng	# 88
13) 1,4-Dichlorobenzene	6.88	146	618402m	35.07	ng	
14) 1,2-Dichlorobenzene	7.02	146	596625	37.20	ng	97
15) Benzyl Alcohol	7.00	79	618377	39.07	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.14	45	935424	41.70	ng	95
17) 2-Methylphenol	7.12	107	467751	36.75	ng	99
18) Hexachloroethane	7.37	117	225298	35.72	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	495798	37.42	ng	# 88
20) 3+4-Methylphenols	7.28	107	606776	36.66	ng	# 66
22) Acetophenone	7.26	105	834714	38.04	ng	# 93
24) Nitrobenzene	7.44	77	714135	39.68	ng	92
25) Isophorone	7.68	82	1227477	37.70	ng	98
26) 2-Nitrophenol	7.76	139	317854	42.31	ng	# 68
27) 2,4-Dimethylphenol	7.80	122	568199	42.10	ng	93
28) bis(2-Chloroethoxy)methane	7.89	93	801539	43.64	ng	99
29) 2,4-Dichlorophenol	8.00	162	473445	38.81	ng	84
30) 1,2,4-Trichlorobenzene	8.09	180	526604	38.39	ng	# 93
31) Naphthalene	8.16	128	1565783	37.06	ng	99
32) Benzoic acid	7.93	122	338511	36.63	ng	89
33) 4-Chloroaniline	8.20	127	147344	8.09	ng	96
34) Hexachlorobutadiene	8.28	225	312932	36.45	ng	98
35) Caprolactam	8.58	113	135275	35.17	ng	# 70
36) 4-Chloro-3-methylphenol	8.70	107	565052	39.39	ng	# 81
37) 2-Methylnaphthalene	8.85	142	1047591	38.33	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	543451	43.89	ng	98
40) Hexachlorocyclopentadiene	9.01	237	294060	44.21	ng	98
42) 2,4,6-Trichlorophenol	9.14	196	352423	38.13	ng	99

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 BNA_F
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 DRUM1-31COMPOSITMSD

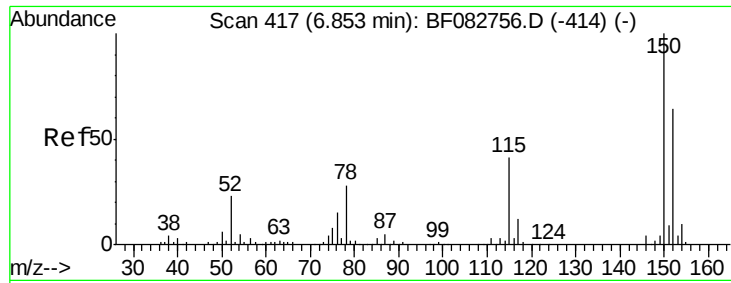
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.18	196	391405m	42.82	nq	
45) 1,1'-Biphenyl	9.32	154	1376028	42.56	nq	99
46) 2-Chloronaphthalene	9.34	162	1049700	41.62	nq	100
47) 2-Nitroaniline	9.44	65	411244	43.96	nq	# 81
48) Acenaphthylene	9.76	152	1516516	38.37	nq	100
49) Dimethylphthalate	9.62	163	1139960	36.93	nq	100
50) 2,6-Dinitrotoluene	9.68	165	241512	36.67	nq	95
51) Acenaphthene	9.93	154	974044	38.89	nq	99
52) 3-Nitroaniline	9.84	138	146542	20.23	nq	94
53) 2,4-Dinitrophenol	9.95	184	132737	36.71	nq	# 12
54) Dibenzofuran	10.10	168	1323628	39.19	nq	94
55) 4-Nitrophenol	10.02	139	379412	68.27	nq	85
56) 2,4-Dinitrotoluene	10.08	165	324872	36.35	nq	91
57) Fluorene	10.44	166	1020758	37.32	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	272667	36.55	nq	# 88
59) Diethylphthalate	10.32	149	1172943	38.92	nq	97
60) 4-Chlorophenyl-phenylether	10.43	204	498171	36.40	nq	# 78
61) 4-Nitroaniline	10.45	138	200271	27.49	nq	# 85
62) Azobenzene	10.59	77	1290186	39.85	nq	89
64) 4,6-Dinitro-2-methylphenol	10.49	198	103566	22.62	nq	90
65) n-Nitrosodiphenylamine	10.56	169	993299	42.79	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	291867	37.72	nq	# 73
67) Hexachlorobenzene	10.99	284	320046	37.05	nq	# 84
68) Atrazine	11.08	200	257522	35.88	nq	98
69) Pentachlorophenol	11.18	266	336744	64.19	nq	99
70) Phenanthrene	11.40	178	1505624	40.35	nq	99
71) Anthracene	11.45	178	1399025	35.59	nq	99
72) Carbazole	11.61	167	1359465	39.51	nq	98
73) Di-n-butylphthalate	11.95	149	1734319	40.46	nq	# 96
74) Fluoranthene	12.59	202	1386491	34.63	nq	95
76) Benzidine	12.71	184	250817	18.26	nq	98
77) Pyrene	12.81	202	1319874	46.90	nq	98
79) Butylbenzylphthalate	13.44	149	599935	48.25	nq	99
80) Benzo(a)anthracene	14.00	228	1110978	43.35	nq	97
81) 3,3'-Dichlorobenzidine	13.96	252	339229	37.24	nq	99
82) Chrysene	14.04	228	1134167	48.32	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	826966	48.60	nq	# 97
84) Di-n-octyl phthalate	14.61	149	1335876	47.06	nq	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	1009565	49.94	nq	97
87) Benzo(b)fluoranthene	15.04	252	1200589m	41.53	nq	
88) Benzo(k)fluoranthene	15.06	252	858822m	33.49	nq	
89) Benzo(a)pyrene	15.38	252	994682	39.71	nq	99
90) Dibenzo(a,h)anthracene	16.85	278	861295	40.61	nq	98
91) Benzo(g,h,i)perylene	17.25	276	793305	39.05	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

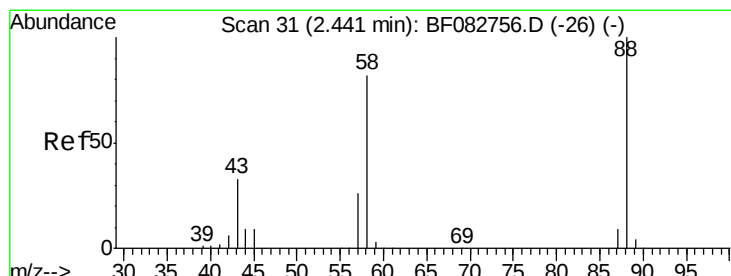
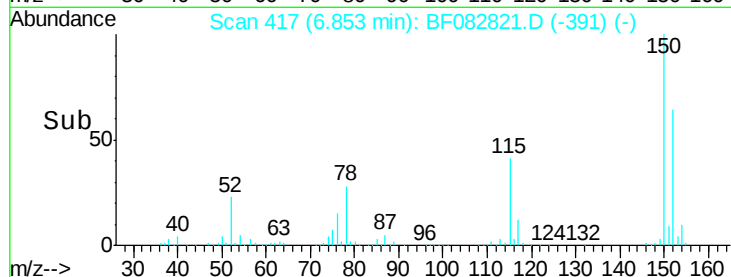
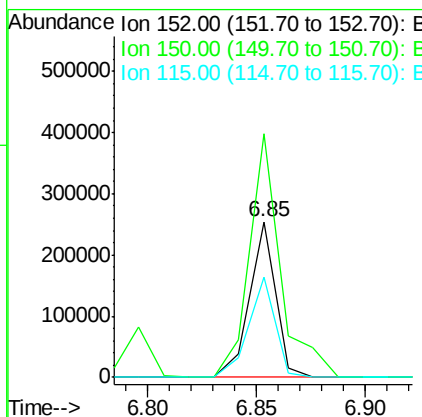
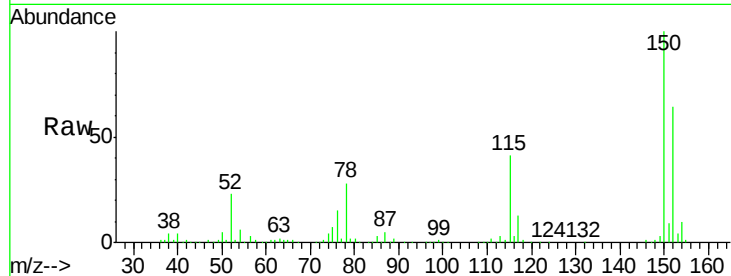
ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:	152	Resp:	210933
Ion Ratio	Lower	Upper	
152	100		
150	156.2	127.0	190.4
115	64.1	47.0	70.6

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#2

1,4-Dioxane

Concen: 36.22 ng

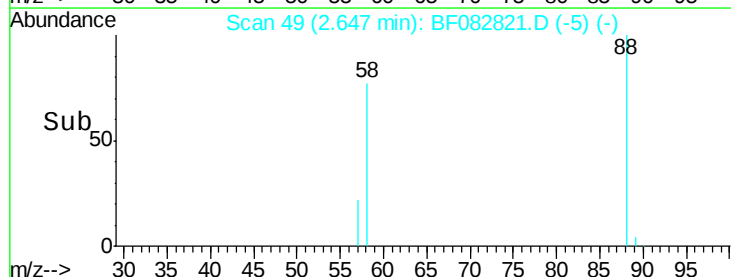
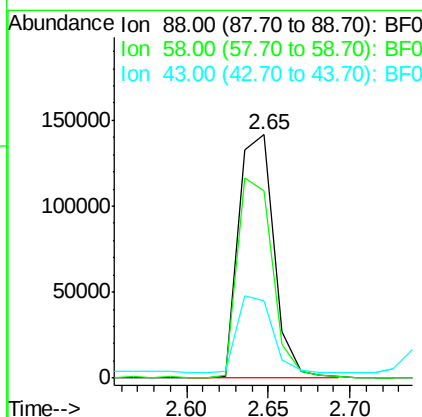
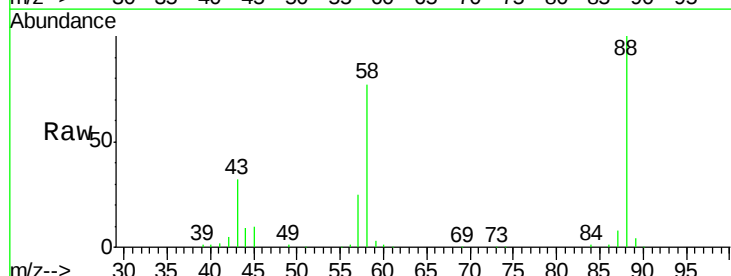
RT: 2.65 min Scan# 49

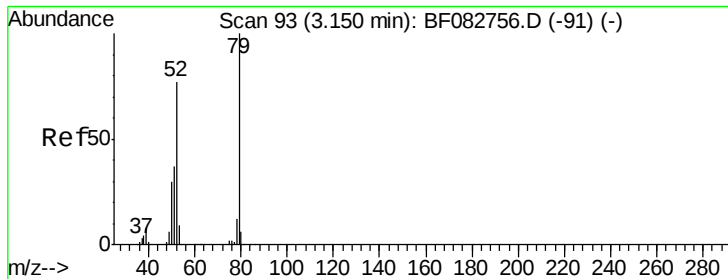
Delta R.T. 0.21 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	88	Resp:	211848
Ion Ratio	Lower	Upper	
88	100		
58	80.6	62.0	93.0
43	0.0	26.6	40.0#





#3

Pvridine

Concen: 27.16 ng/ml

RT: 3.32 min Scan# 108

Delta R.T. 0.16 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

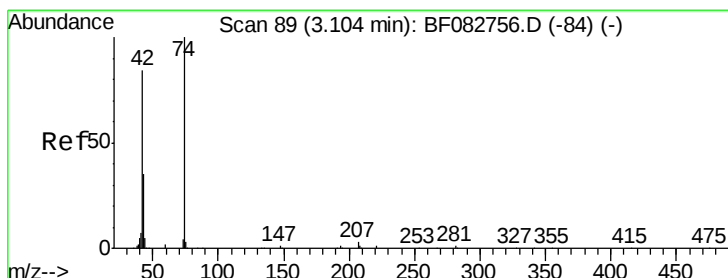
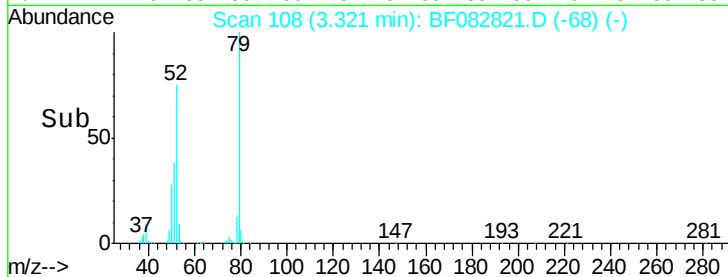
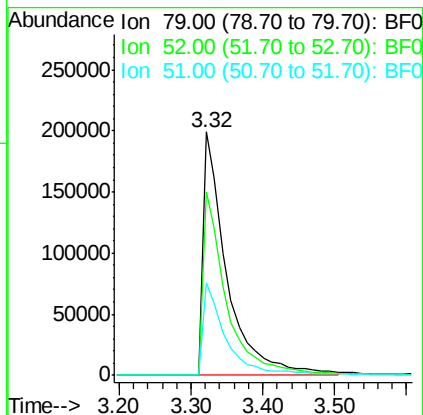
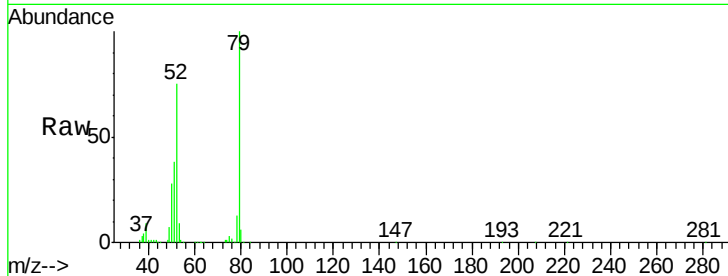
ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:	79	Resp:	461074
Ion Ratio	Lower	Upper	
79	100		
52	75.2	62.8	94.2
51	37.9	32.0	48.0

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#4

n-Nitrosodimethylamine

Concen: 35.24 ng/ml

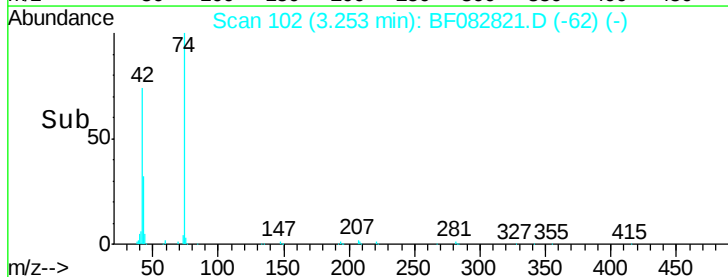
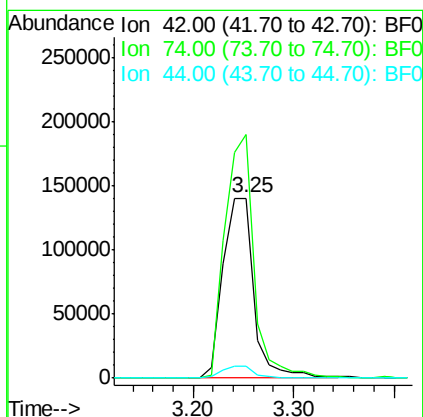
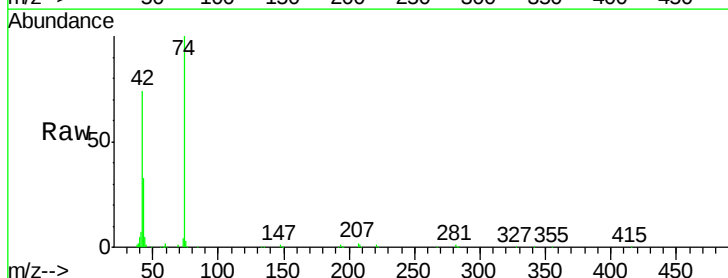
RT: 3.25 min Scan# 102

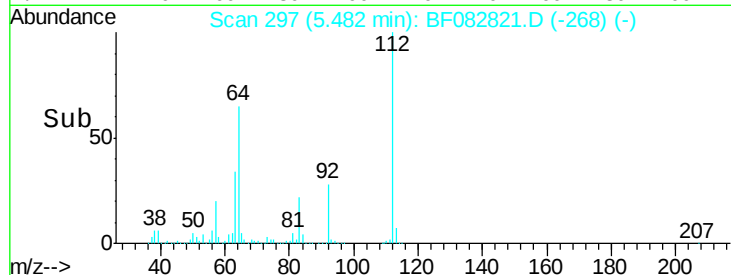
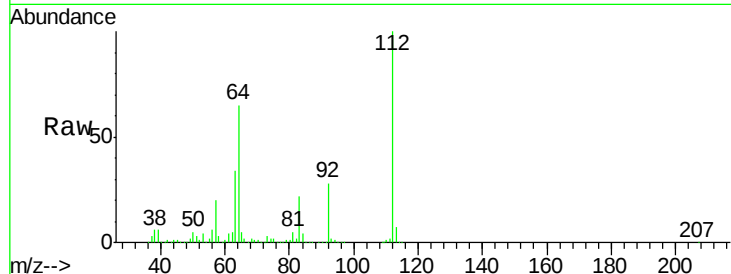
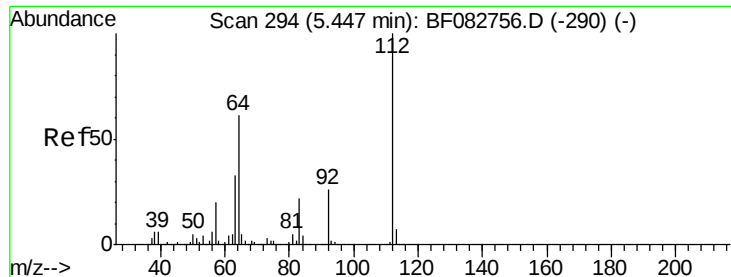
Delta R.T. 0.16 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	42	Resp:	296643
Ion Ratio	Lower	Upper	
42	100		
74	135.3	87.0	130.4#
44	6.7	5.8	8.8





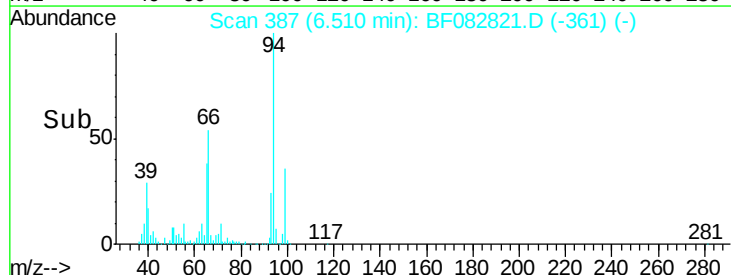
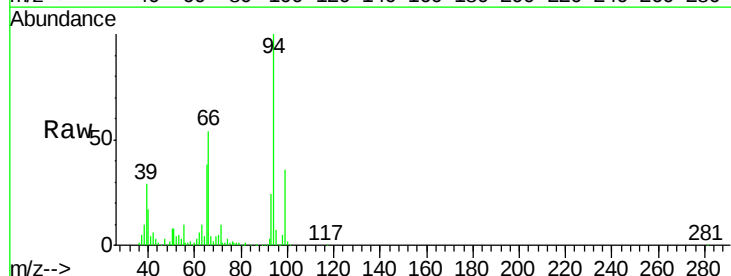
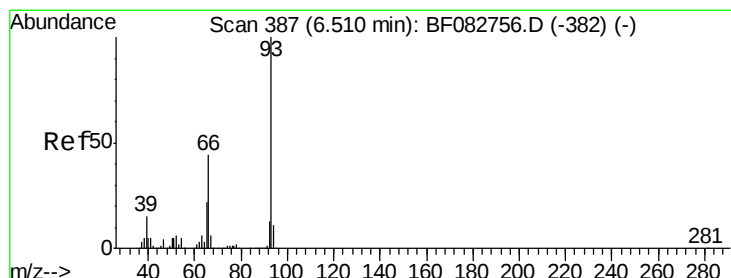
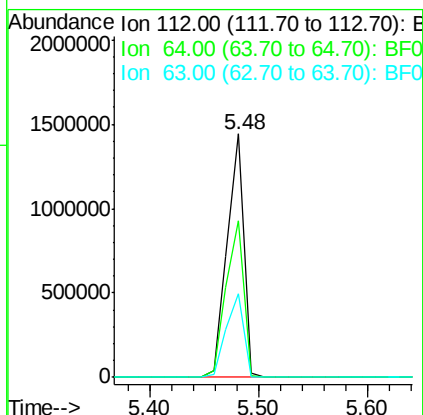
#5
2-Fluorophenol
Concen: 113.26 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.03 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tot Ion	Ratio	Lower	Upper
112	100		
64	64.5	48.9	73.3
63	34.1	28.1	42.1

Instrument :
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DRUM1-31COMPOSITMSD

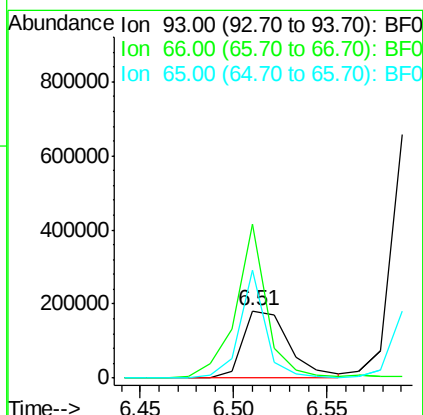
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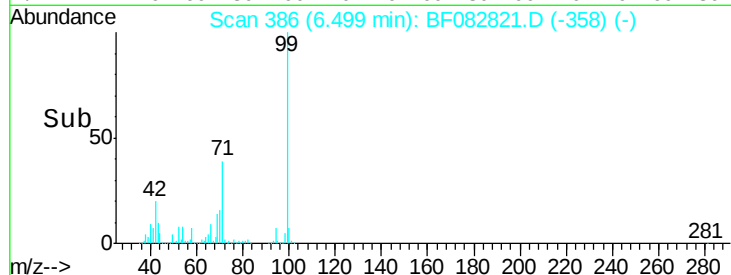
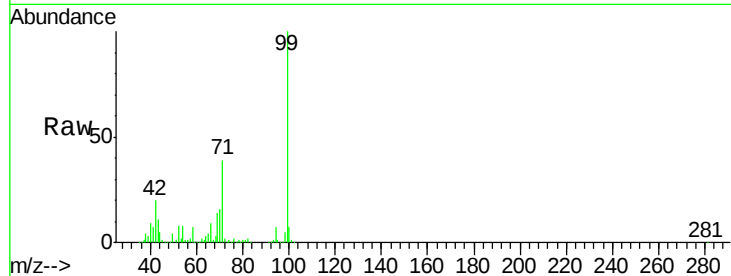
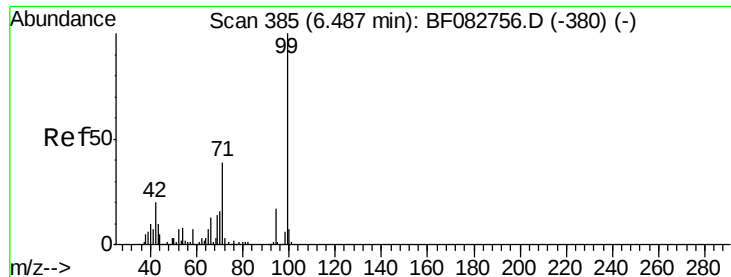
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#6
Aniline
Concen: 12.48 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
93	100		
66	229.3	33.6	50.4#
65	160.7	18.1	27.1#





#7

Phenol-d6

Concen: 97.42 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tot Ion: 99 Resp: 1755843

Ion Ratio Lower Upper

99 100

42 20.5 19.2 28.8

71 38.8 35.0 52.4

Instrument :

BNA_F

ClientSampleId :

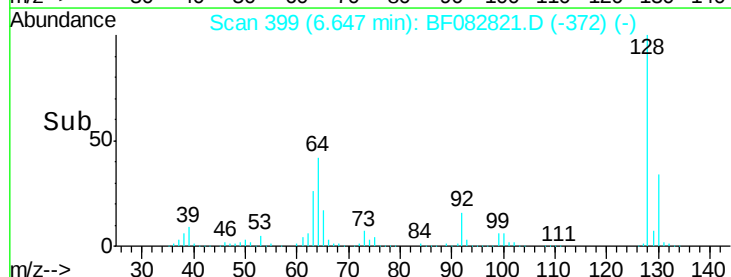
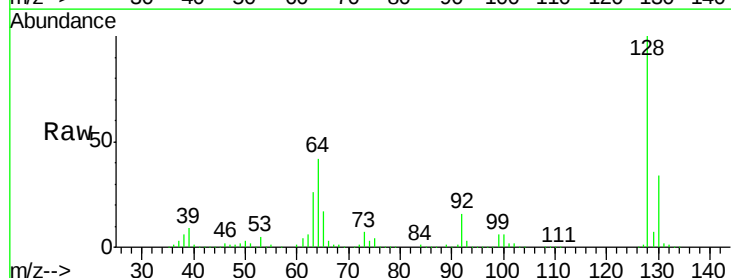
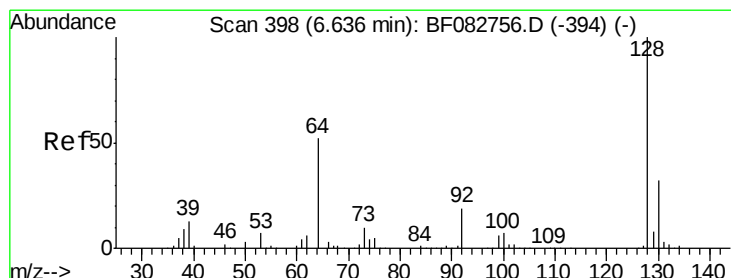
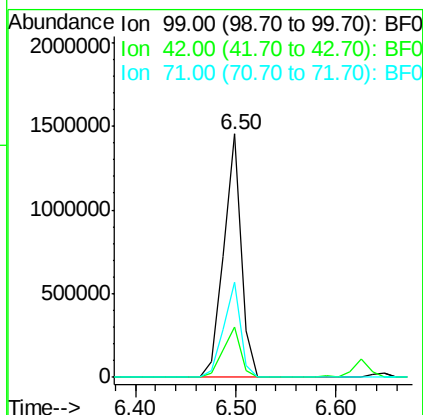
DRUM1-31COMPOSITEMSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 36.27 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

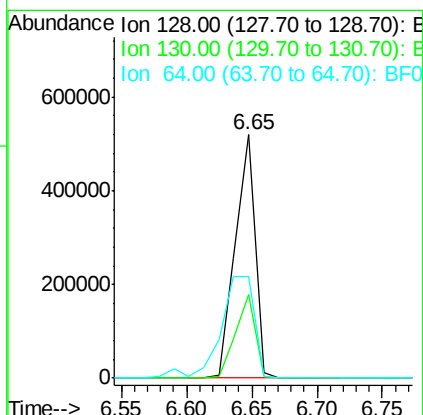
Tgt Ion: 128 Resp: 545112

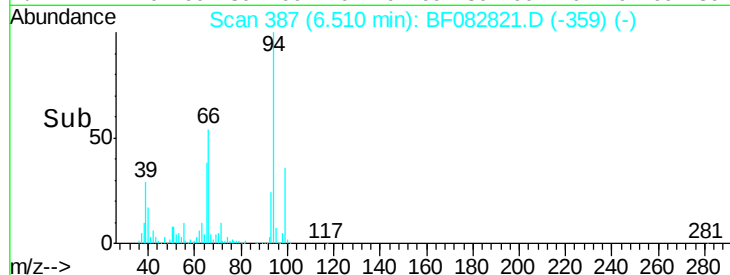
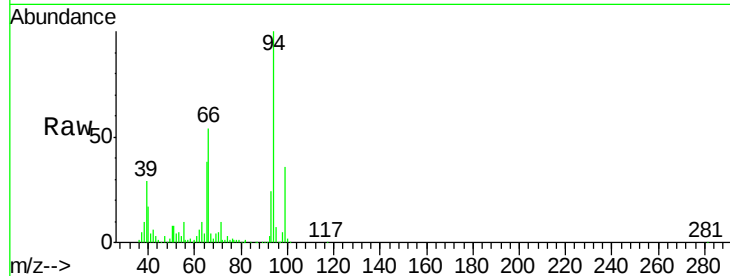
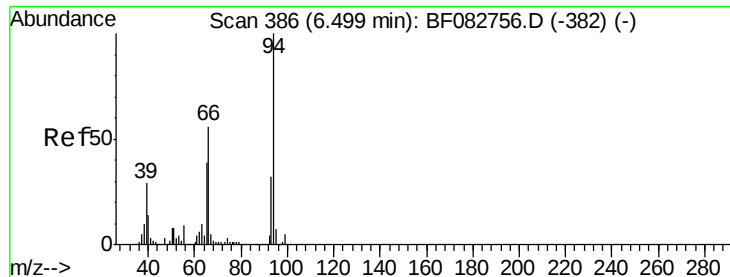
Ion Ratio Lower Upper

128 100

130 34.4 13.5 53.5

64 41.5 21.1 61.1





#10

Phenol

Concen: 32.18 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tot Ion:	94	Resp:	658074
Ion	Ratio	Lower	Upper
94	100		
65	37.9	18.9	58.9
66	54.1	34.9	74.9

Instrument :

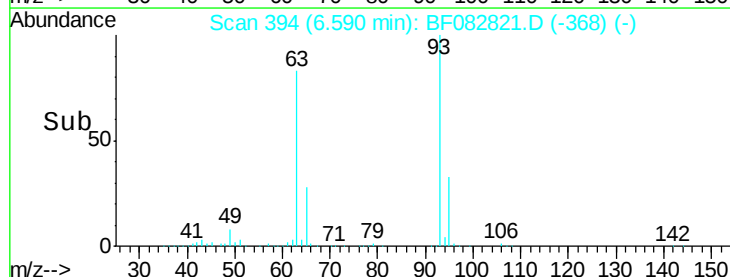
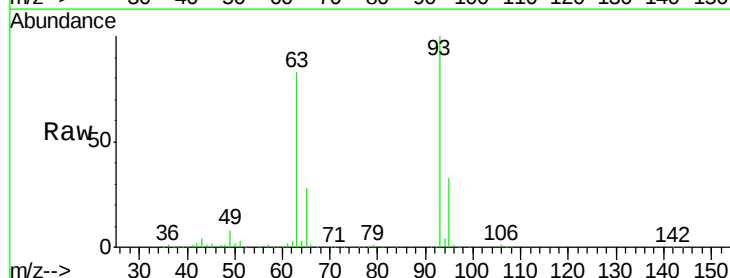
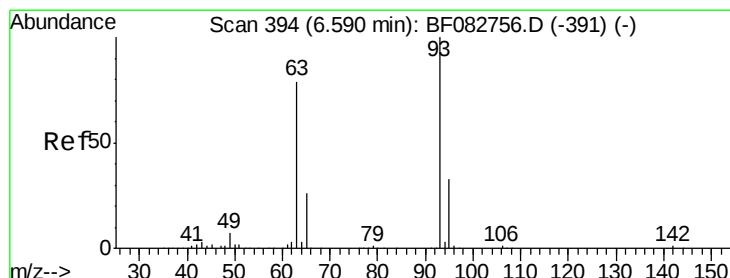
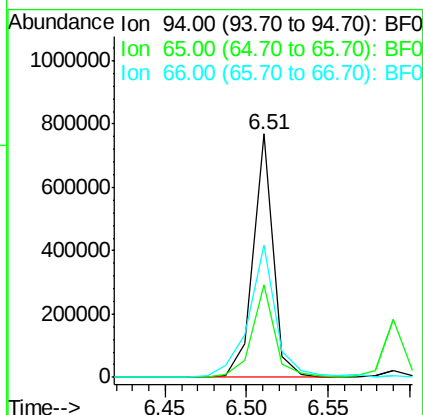
BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

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#11

bis(2-Chloroethyl)ether

Concen: 38.76 ng

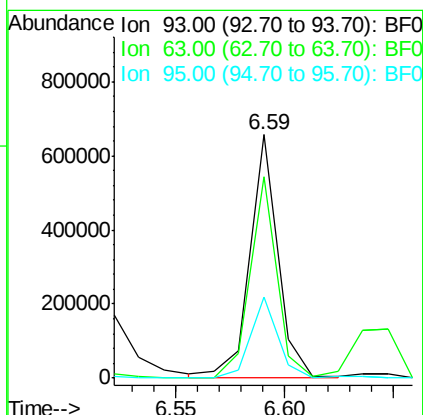
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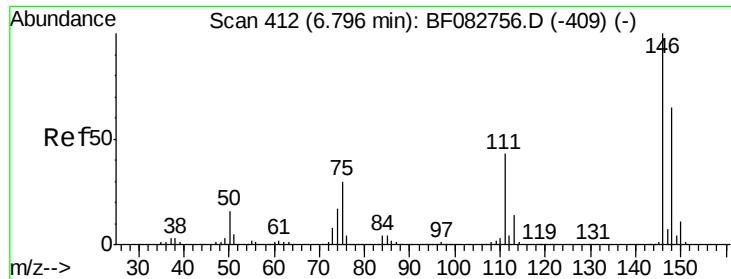
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	93	Resp:	592783
Ion	Ratio	Lower	Upper
93	100		
63	82.8	72.7	112.7
95	33.2	12.0	52.0





#12

1,3-Dichlorobenzene

Concen: 38.85 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

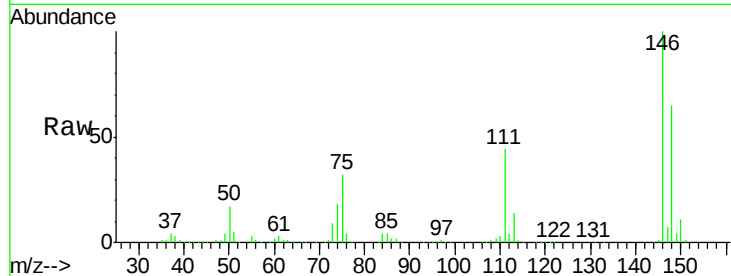
ClientSampleId :

DRUM1-31COMPOSITEMSD

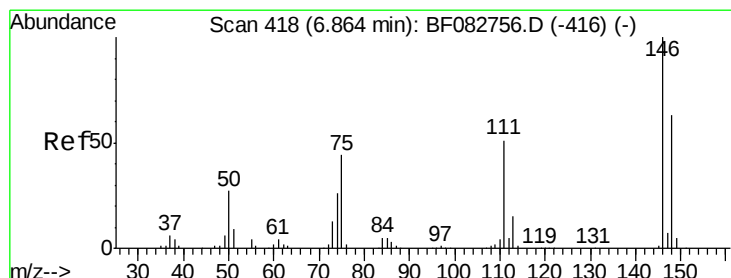
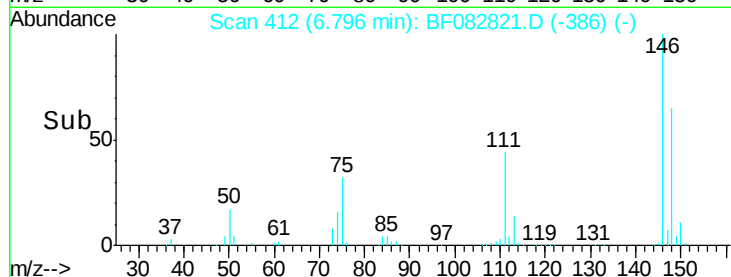
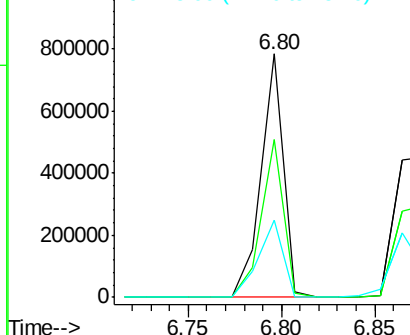
Tot Ion:	146	Resp:	658408
Ion Ratio	Lower	Upper	
146	100		
148	64.8	50.5	75.7
75	31.8	39.5	59.3#

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 35.07 ng m

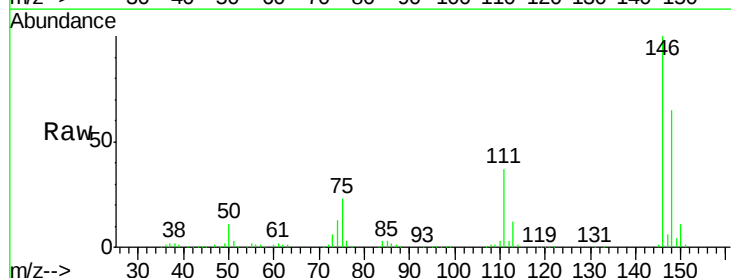
RT: 6.88 min Scan# 419

Delta R.T. 0.01 min

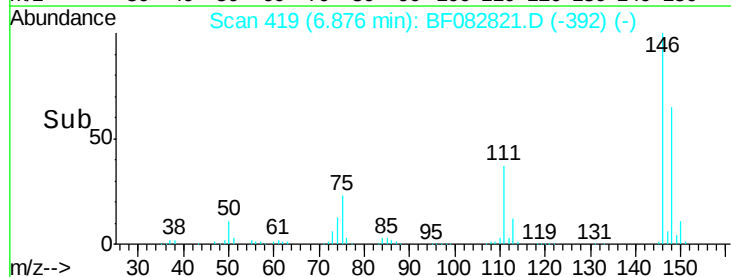
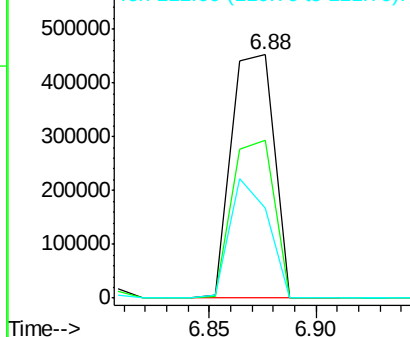
Lab File: BF082821.D

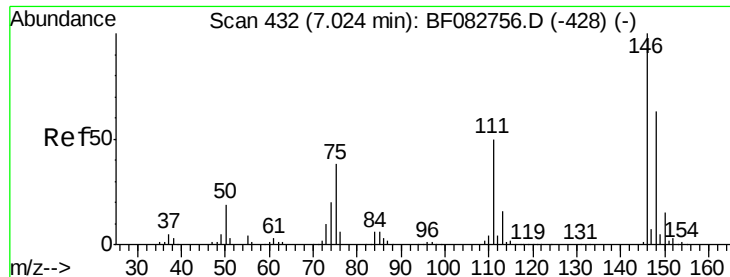
Acq: 8 Nov 2015 4:32

Tgt Ion:	146	Resp:	618402
Ion Ratio	Lower	Upper	
146	100		
148	64.8	50.8	76.2
111	36.8	40.6	60.8#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





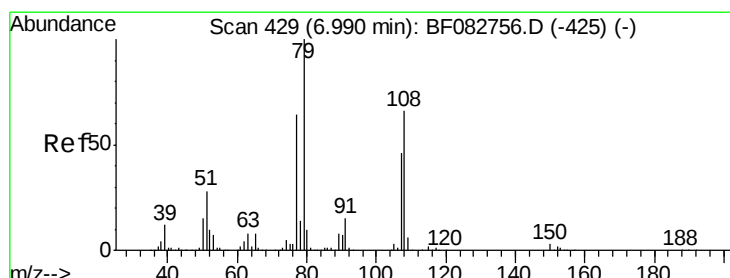
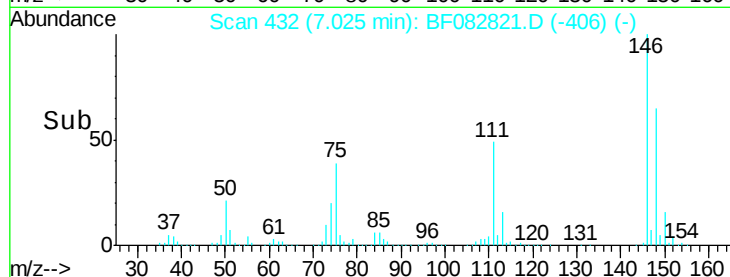
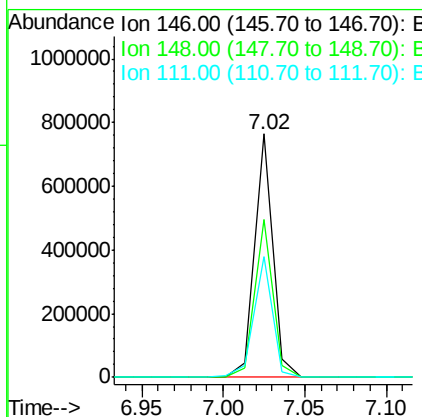
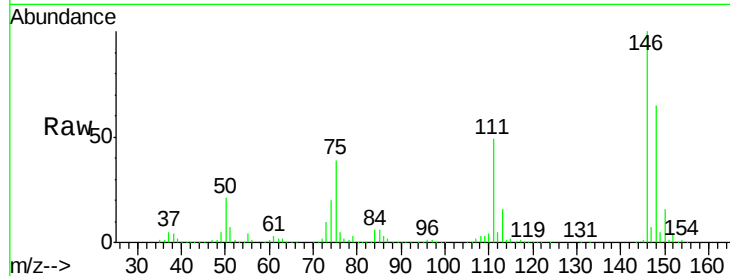
#14
1,2-Dichlorobenzene
Concen: 37.20 ng
RT: 7.02 min Scan# 432
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	596625		
148	64.7	52.2	78.4	
111	49.5	36.6	55.0	

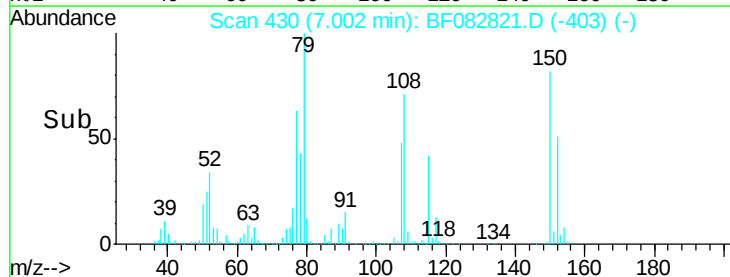
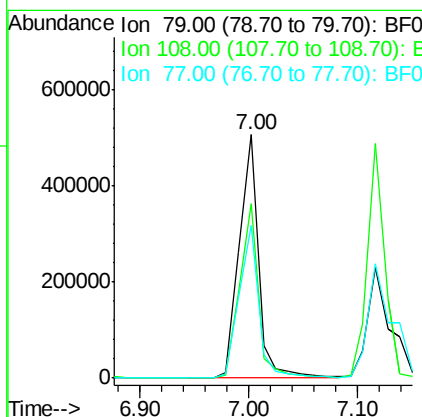
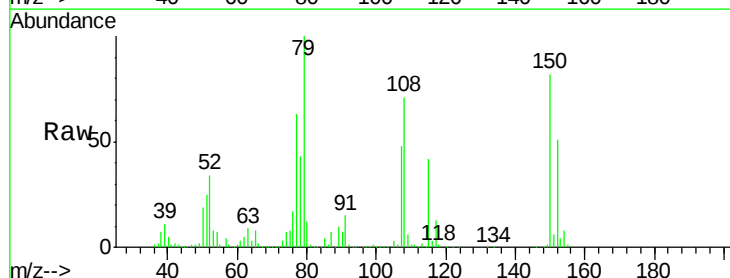
Manual Integrations
APPROVED

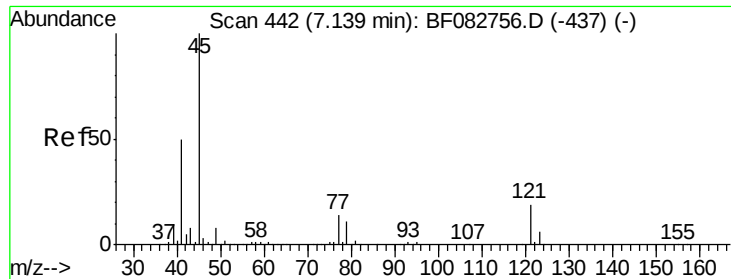
Mmdadoda
11/9/2015 2:08:42 PM



#15
Benzyl Alcohol
Concen: 39.07 ng
RT: 7.00 min Scan# 430
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	618377		
108	71.5	52.2	78.4	
77	62.6	52.7	79.1	





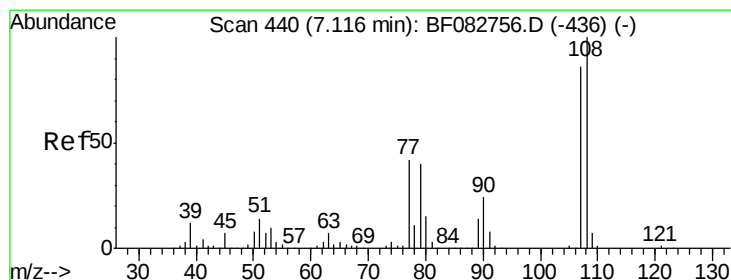
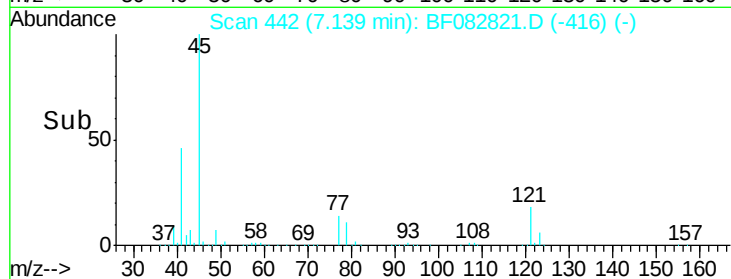
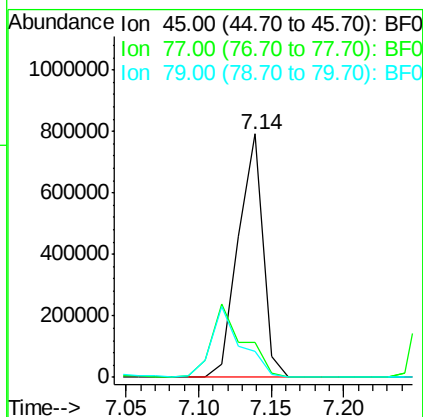
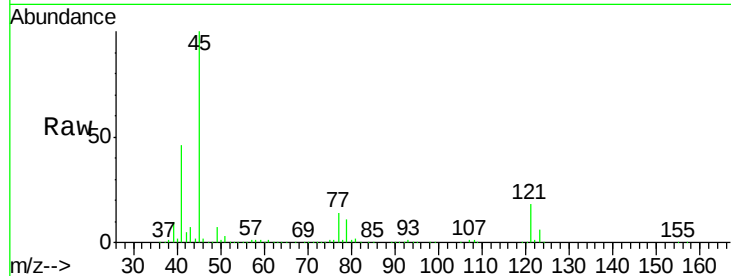
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 41.70 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	32.6
79	10.8	0.0	29.2

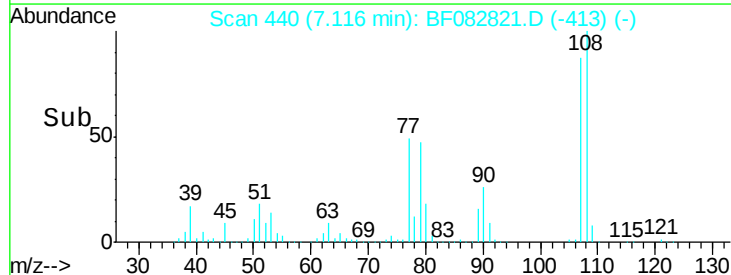
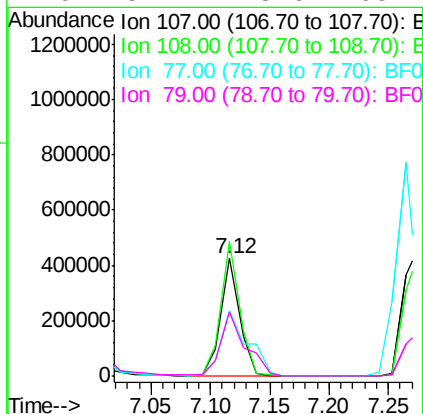
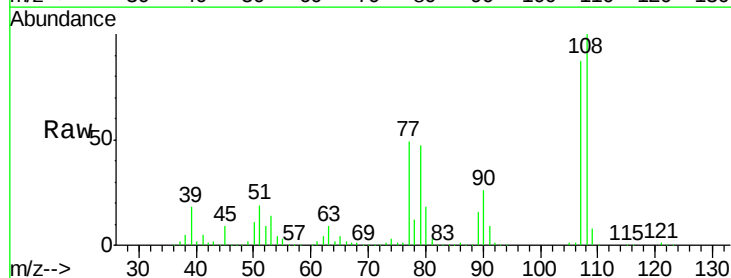
Manual Integrations
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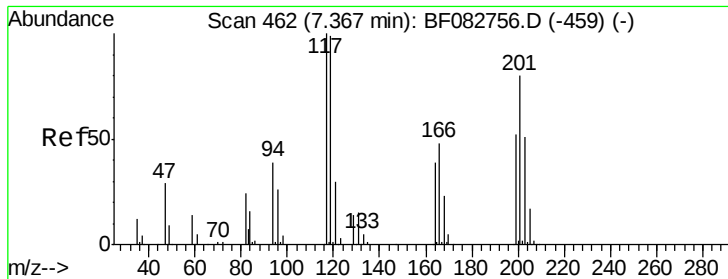
Mmdadoda
11/9/2015 2:08:42 PM



#17
2-Methylphenol
Concen: 36.75 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.8	93.0	139.4
77	56.0	44.1	66.1
79	54.1	43.6	65.4





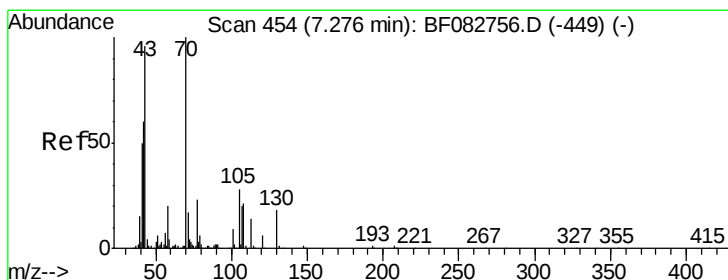
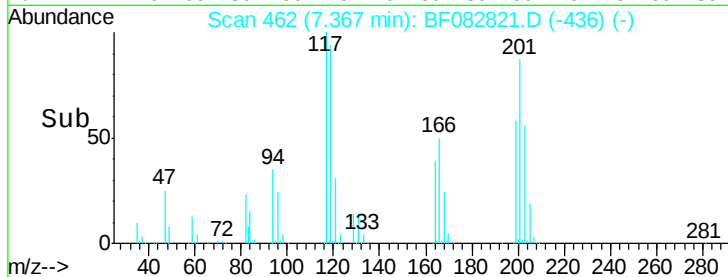
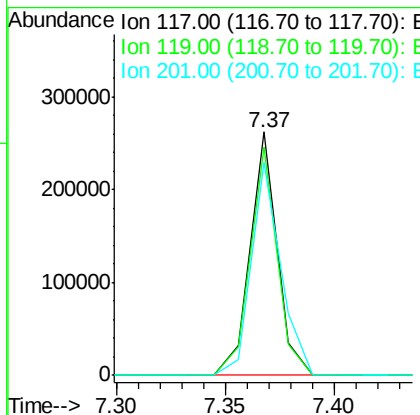
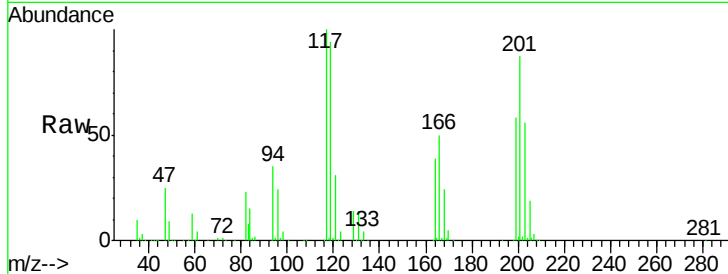
#18
Hexachloroethane
Concen: 35.72 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	225298		
119	93.8	77.7	116.5	
201	87.5	66.7	100.1	

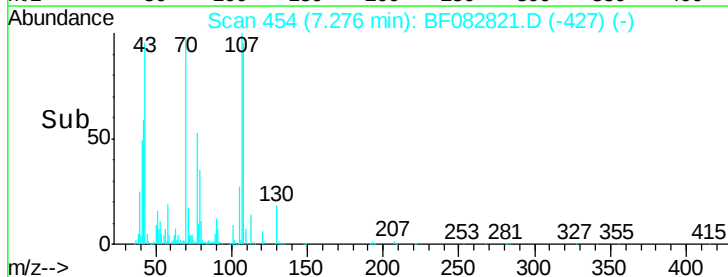
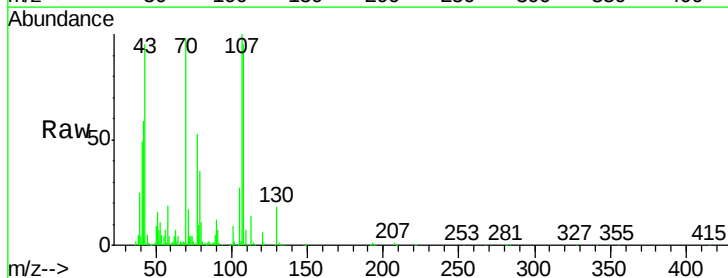
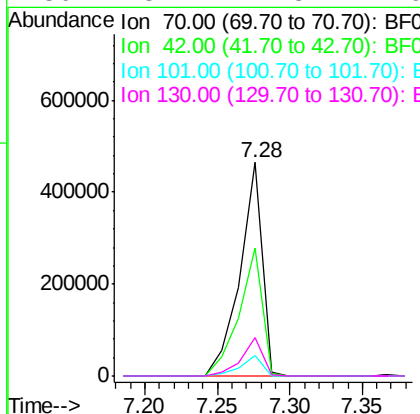
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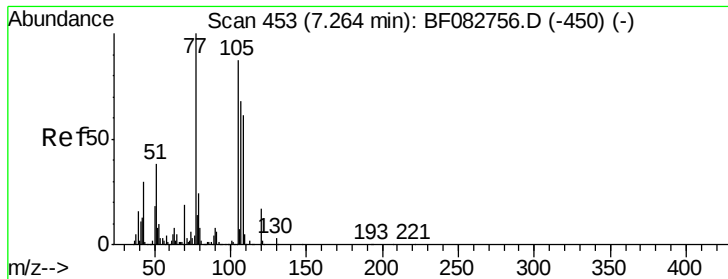
Mmdadoda
11/9/2015 2:08:42 PM



#19
n-Nitroso-di-n-propylamine
Concen: 37.42 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	495798		
42	59.9	57.7	86.5	
101	9.4	7.0	10.6	
130	18.1	11.8	17.6#	





#20

3+4-Methylphenols

Concen: 36.66 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.01 min

Lab File: BF082821.D

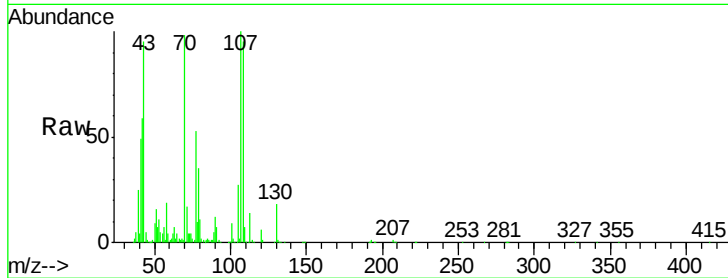
Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

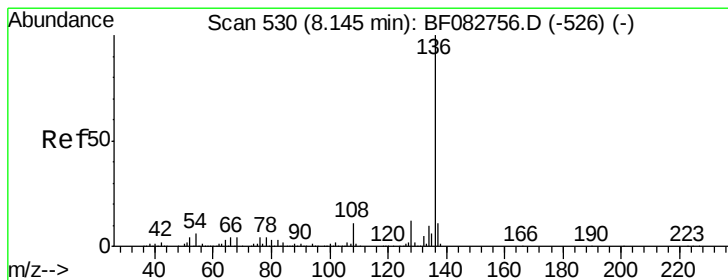
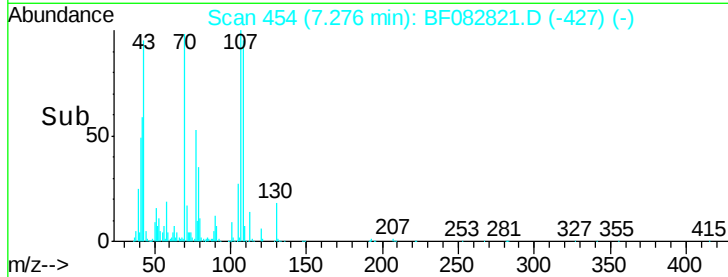
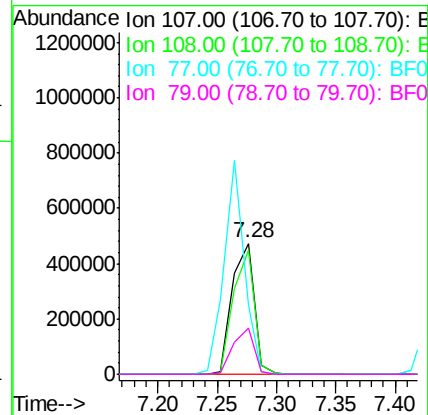
DRUM1-31COMPOSITEMSD



Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	95.4	67.3	107.3	
77	52.5	100.3	140.3#	
79	34.9	16.2	56.2	

Manual Integrations
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Mmdadoda
11/9/2015 2:08:42 PM



#21

Naphthalene-d8

Concen: 20.00 ng

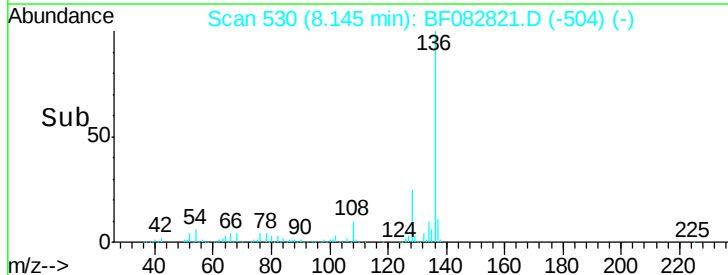
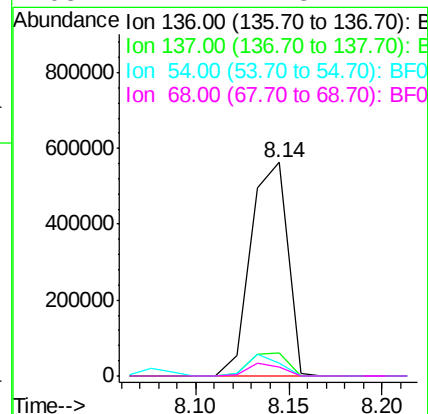
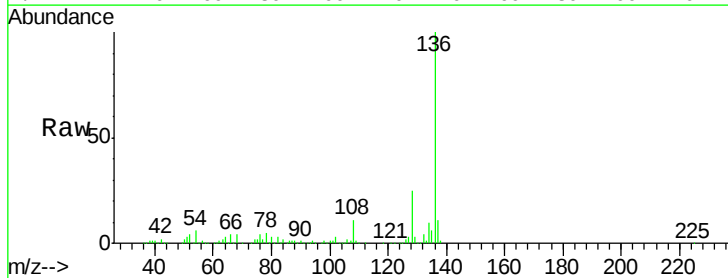
RT: 8.14 min Scan# 530

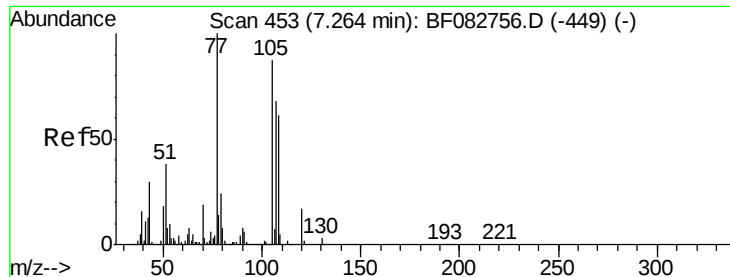
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	5.9	9.1	13.7#	
68	4.4	4.8	7.2#	





#22

Acetophenone

Concen: 38.04 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

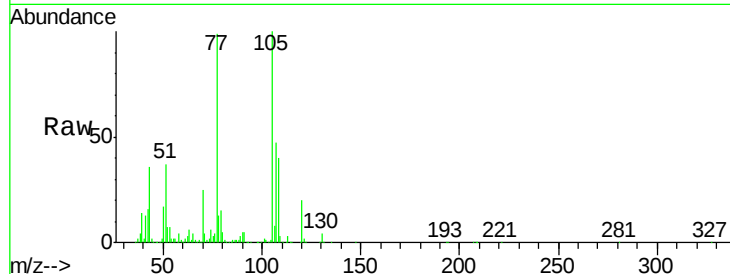
ClientSampleId :

DRUM1-31COMPOSITMSD

Tot Ion:	105	Resp:	834714
Ion Ratio	Lower	Upper	
105	100		
71	4.0	5.6	8.4#
51	37.1	24.9	37.3
120	20.4	15.8	23.8

Manual Integrations
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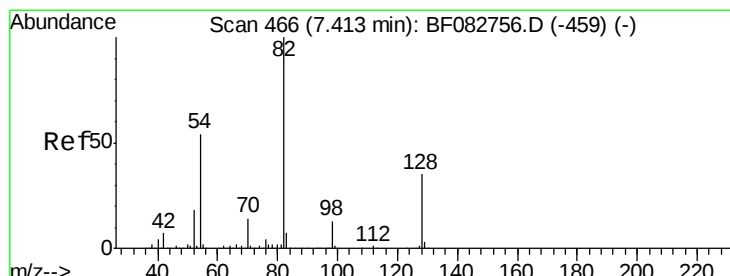
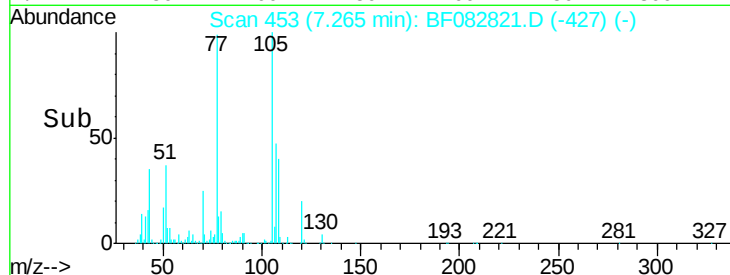
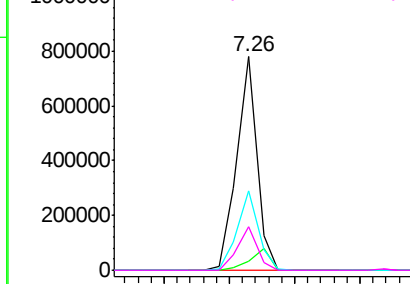


Abundance Ion 105.00 (104.70 to 105.70): E

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: 84.97 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF082821.D

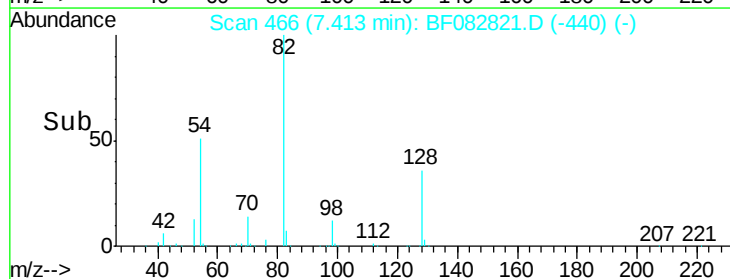
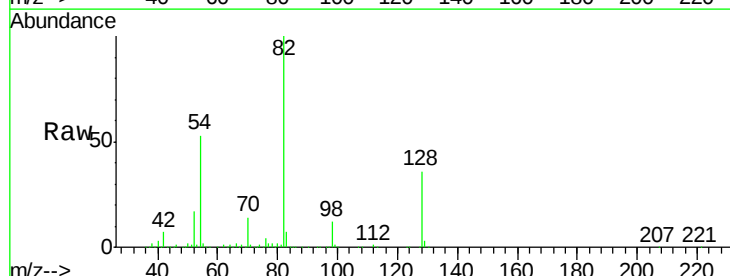
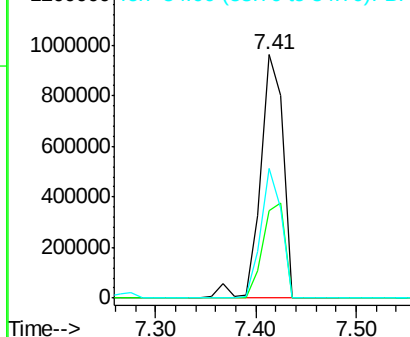
Acq: 8 Nov 2015 4:32

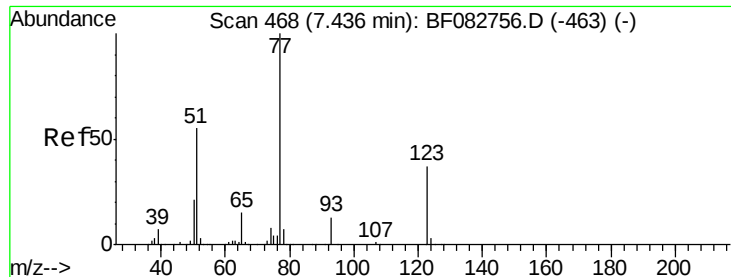
Tgt Ion:	82	Resp:	1495354
Ion Ratio	Lower	Upper	
82	100		
128	35.9	26.8	40.2
54	53.2	45.7	68.5

Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





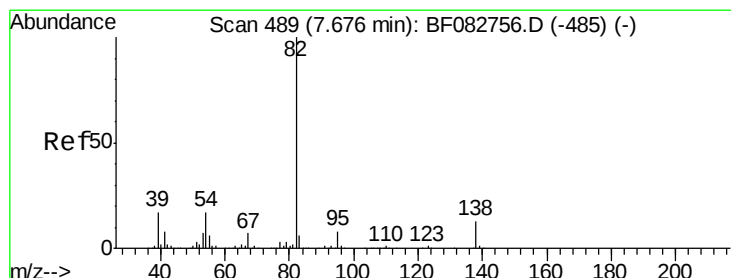
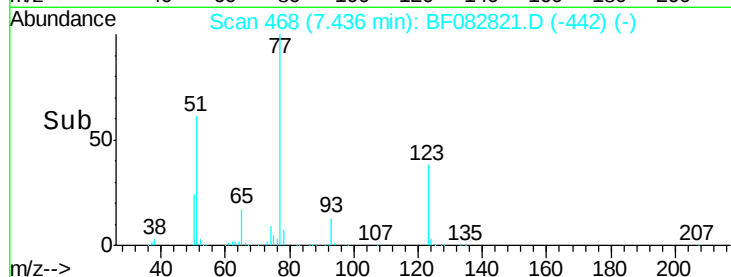
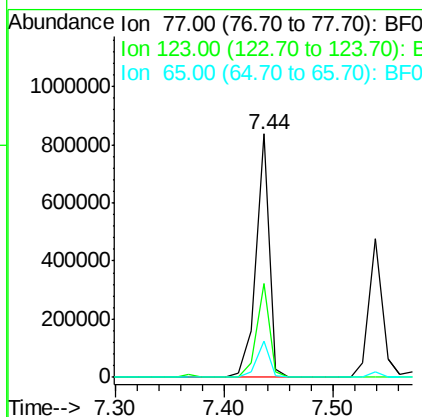
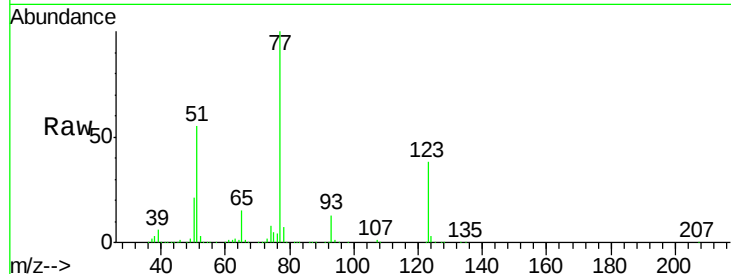
#24
 Nitrobenzene
 Concen: 39.68 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	38.5	36.4	54.6
65	14.9	11.5	17.3

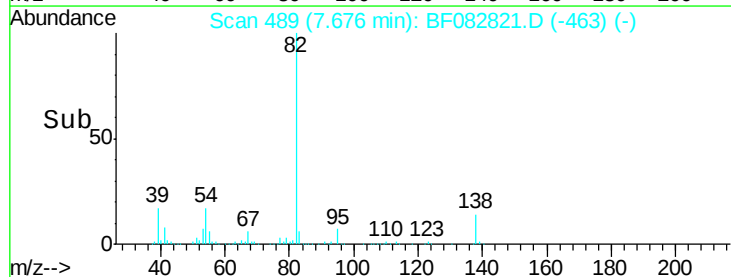
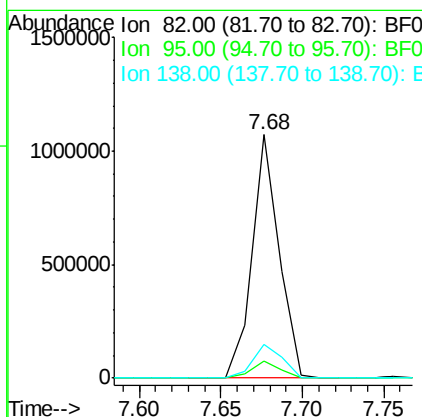
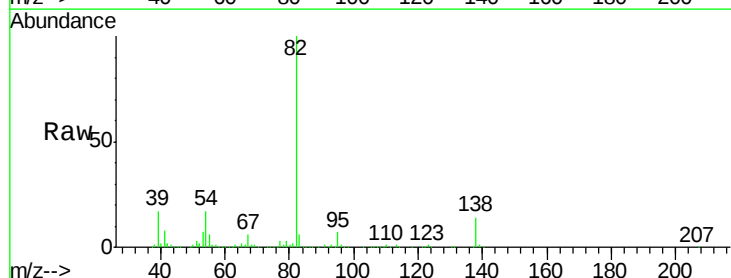
Manual Integrations
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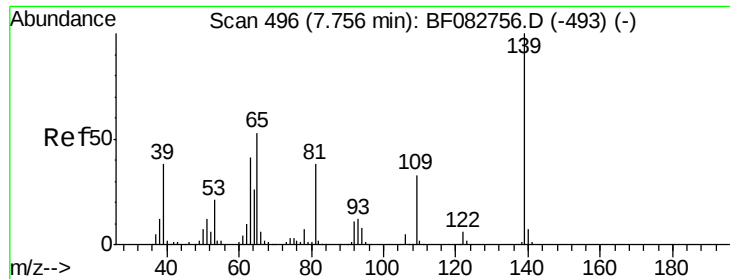
Mmdadoda
 11/9/2015 2:08:42 PM



#25
 Isophorone
 Concen: 37.70 ng
 RT: 7.68 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.1	6.6	9.8
138	13.9	11.4	17.0





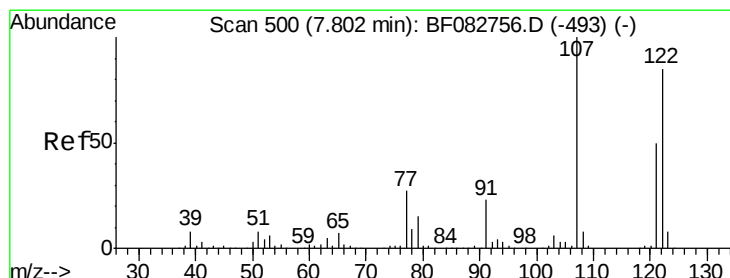
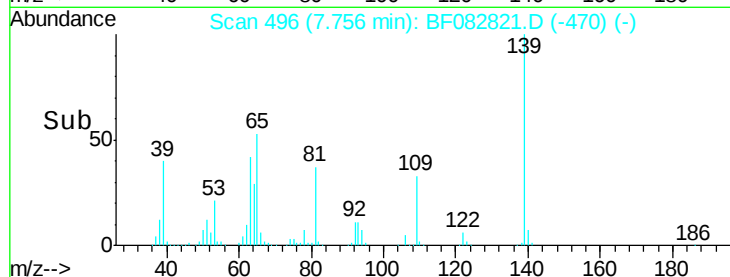
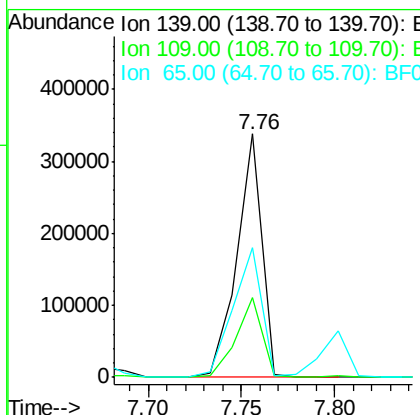
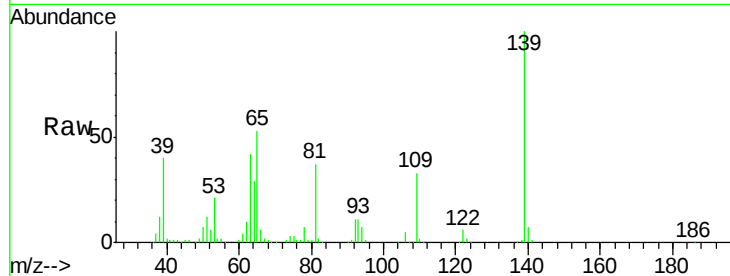
#26
2-Nitrophenol
Concen: 42.31 ng
RT: 7.76 min Scan# 496
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	32.5	37.6	56.4#	
65	53.0	70.6	105.8#	

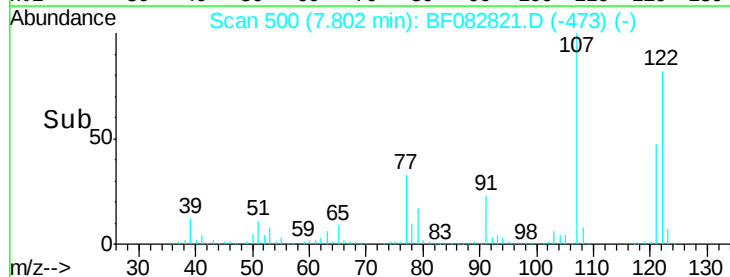
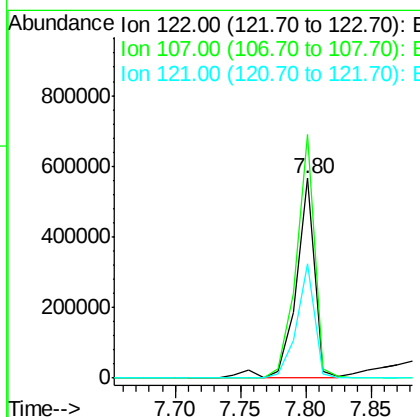
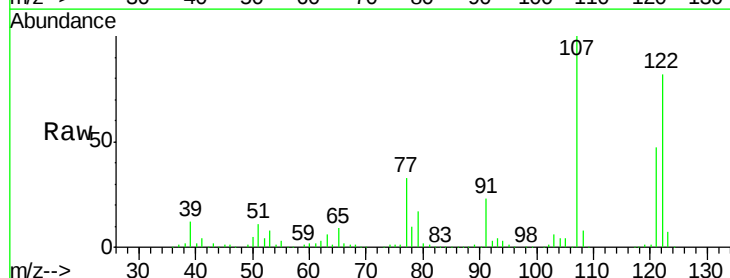
Manual Integrations
APPROVED

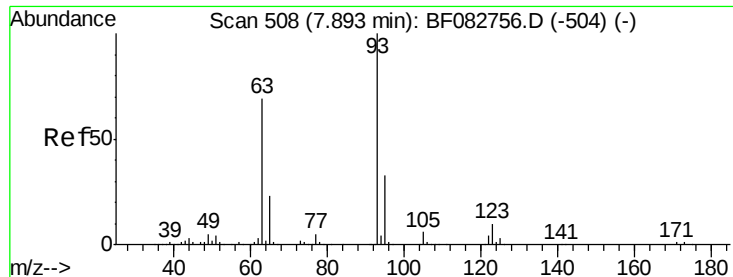
Mmdadoda
11/9/2015 2:08:42 PM



#27
2,4-Dimethylphenol
Concen: 42.10 ng
RT: 7.80 min Scan# 500
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	121.9	106.0	159.0	
121	57.5	46.7	70.1	





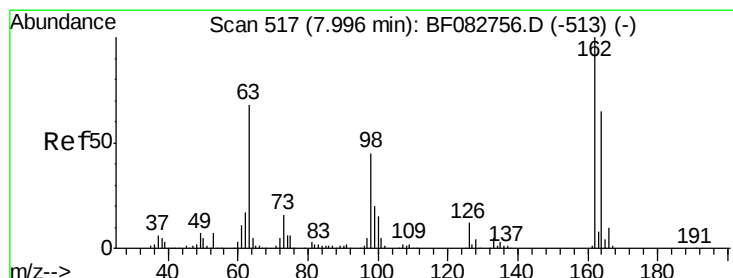
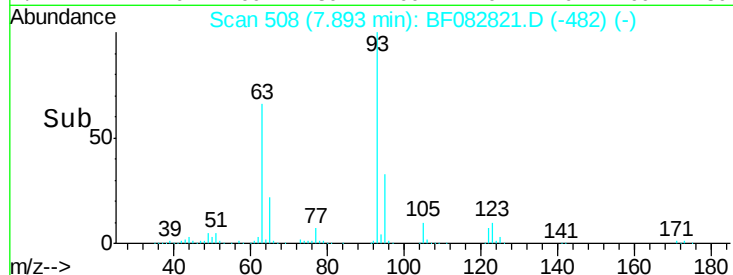
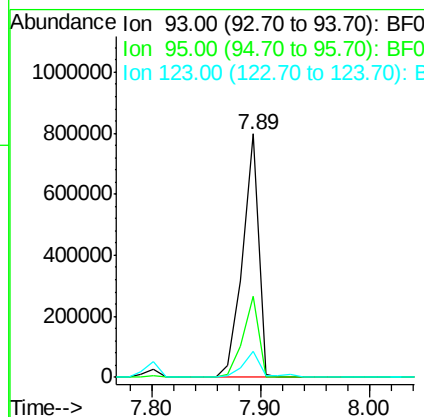
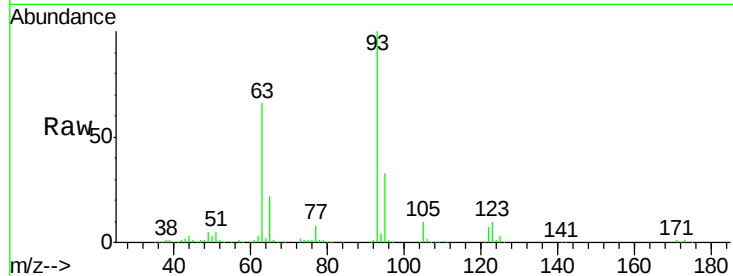
#28
bis(2-Chloroethoxy)methane
Concen: 43.64 ng
RT: 7.89 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.2	26.6	40.0	
123	10.4	9.7	14.5	

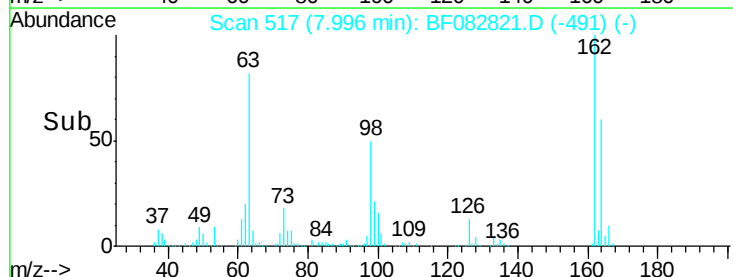
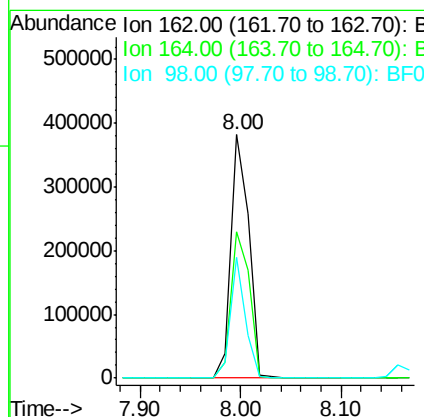
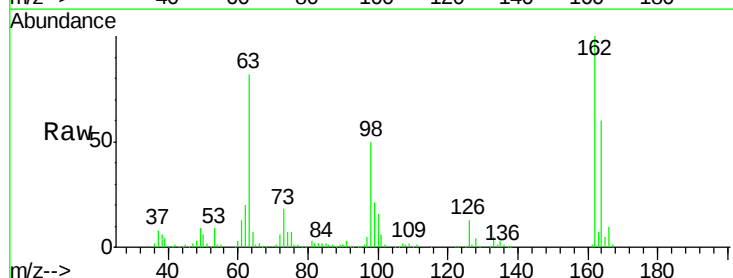
Manual Integrations
APPROVED

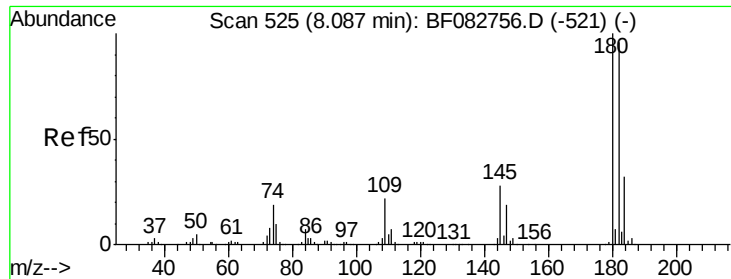
Mmdadoda
11/9/2015 2:08:42 PM



#29
2,4-Dichlorophenol
Concen: 38.81 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	60.1	46.8	86.8	
98	49.6	12.5	52.5	





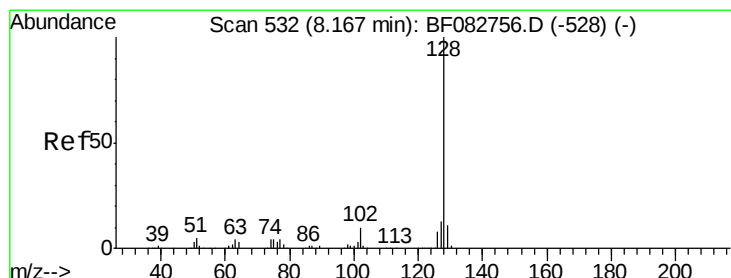
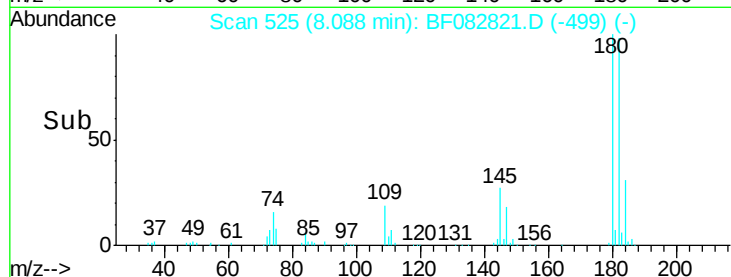
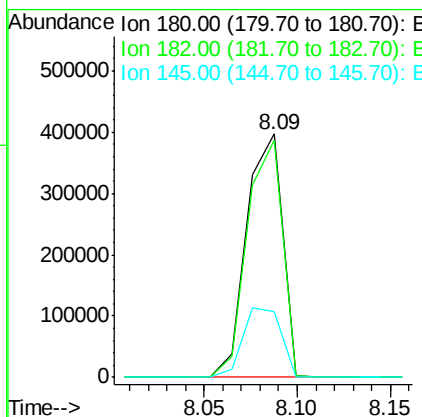
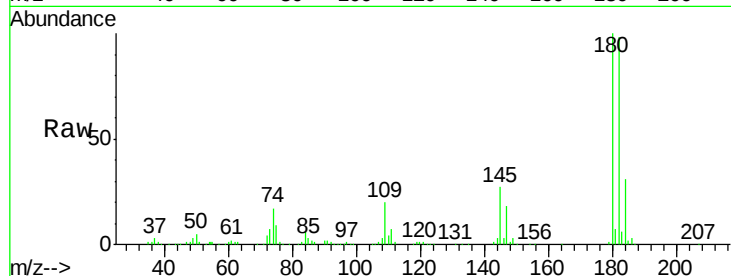
#30
1,2,4-Trichlorobenzene
Concen: 38.39 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.9	112.3
145	26.9	27.8	41.8#

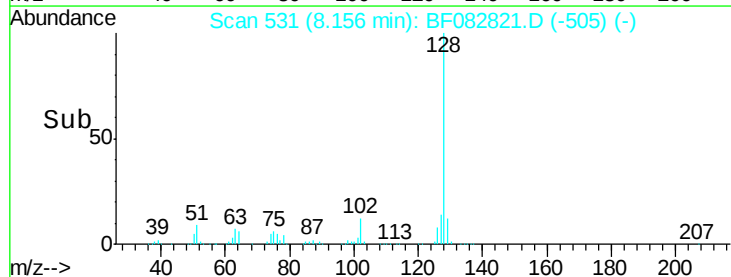
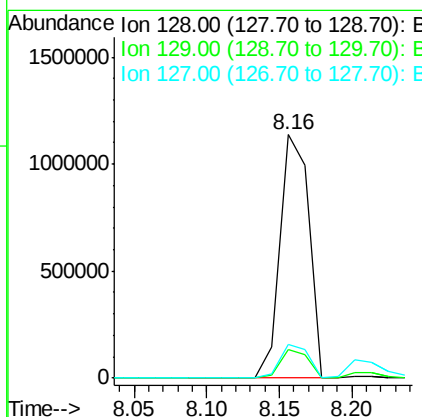
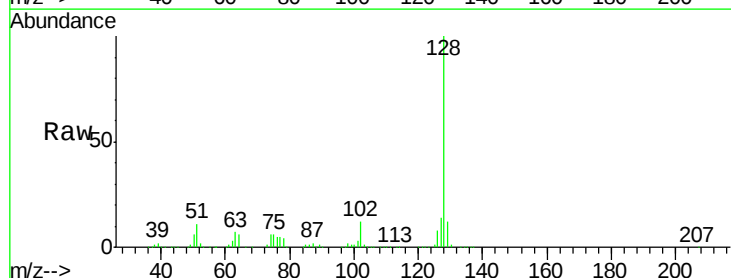
Manual Integrations
APPROVED

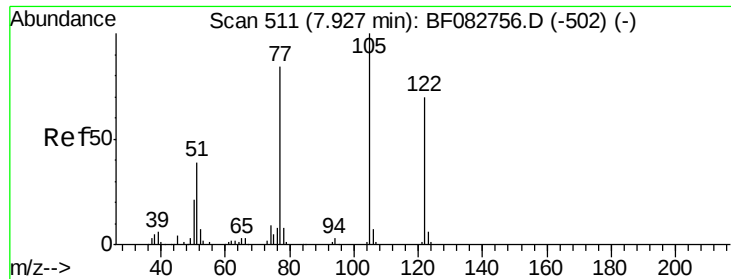
Mmdadoda
11/9/2015 2:08:42 PM



#31
Naphthalene
Concen: 37.06 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.5	14.3
127	13.7	11.4	17.0





#32

Benzoic acid

Concen: 36.63 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

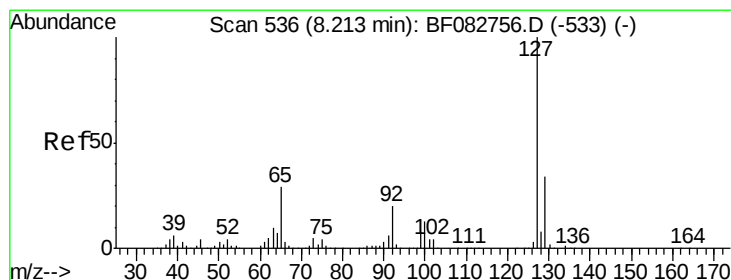
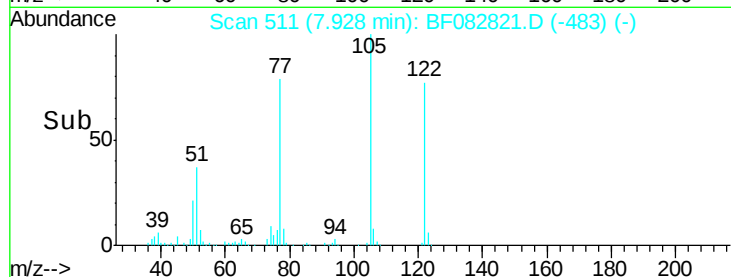
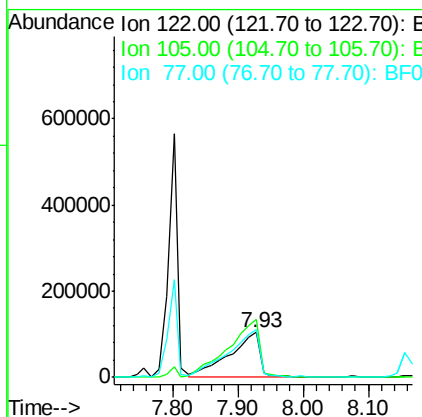
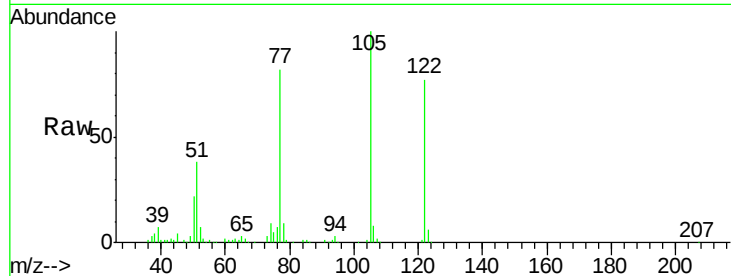
ClientSampleId :

DRUM1-31COMPOSITMSD

Tot Ion:	122	Resp:	338511
Ion Ratio	Lower	Upper	
122	100		
105	130.5	122.6	162.6
77	107.2	100.9	140.9

Manual Integrations
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#33

4-Chloroaniline

Concen: 8.09 ng

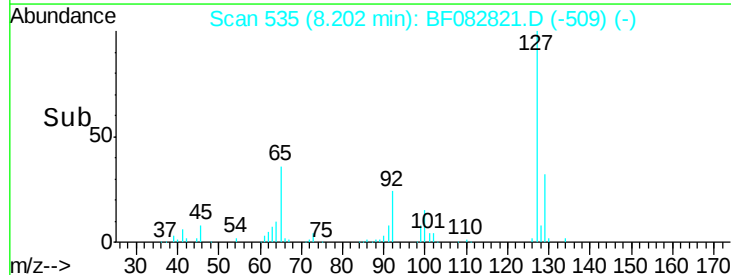
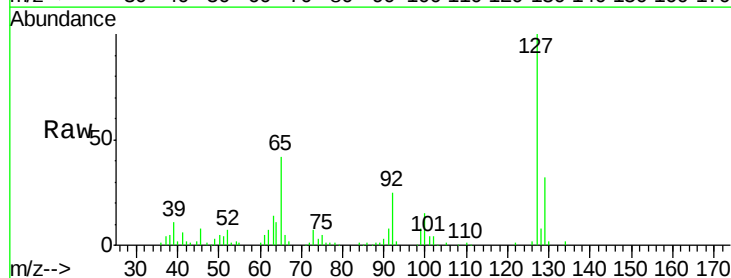
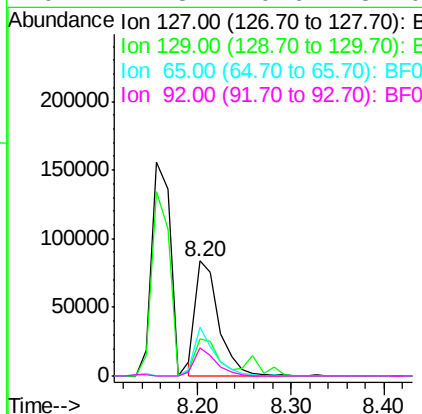
RT: 8.20 min Scan# 535

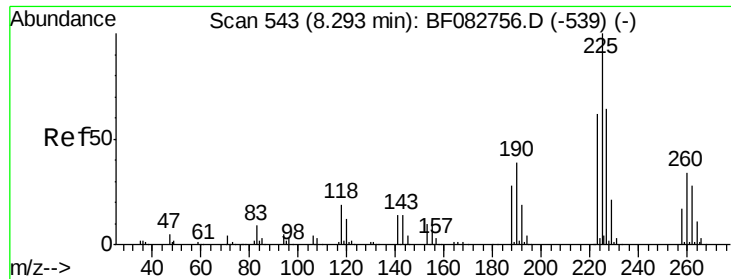
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	127	Resp:	147344
Ion Ratio	Lower	Upper	
127	100		
129	32.3	26.3	39.5
65	41.9	37.8	56.8
92	24.8	20.6	31.0





#34

Hexachlorobutadiene

Concen: 36.45 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

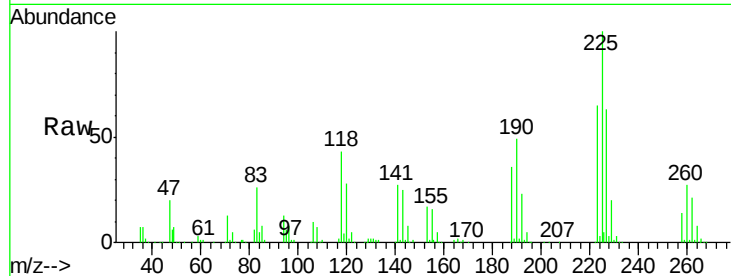
ClientSampleId :

DRUM1-31COMPOSITMSD

Tot Ion:	225	Resp:	312932
Ion Ratio		Lower	Upper
225	100		
223	65.0	50.5	75.7
227	63.3	50.2	75.2

Manual Integrations
APPROVED

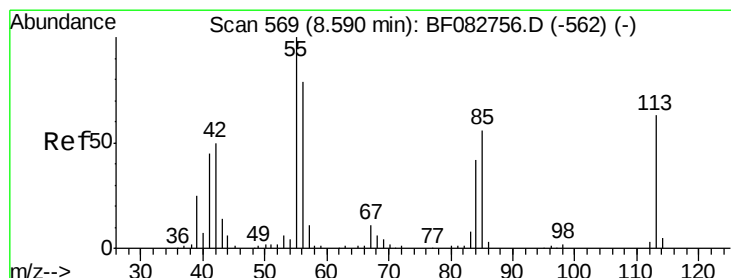
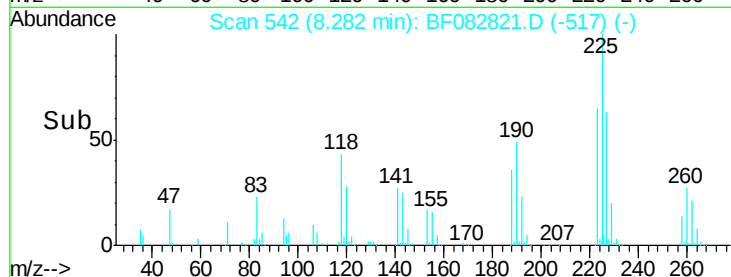
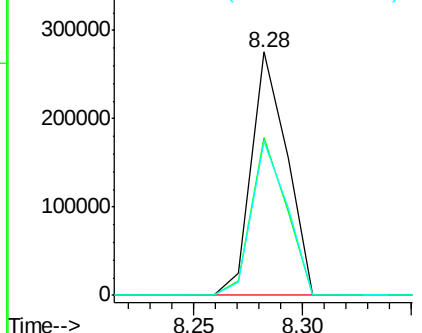
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Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 35.17 ng

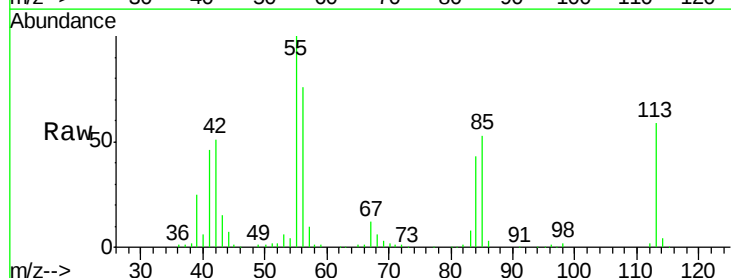
RT: 8.58 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

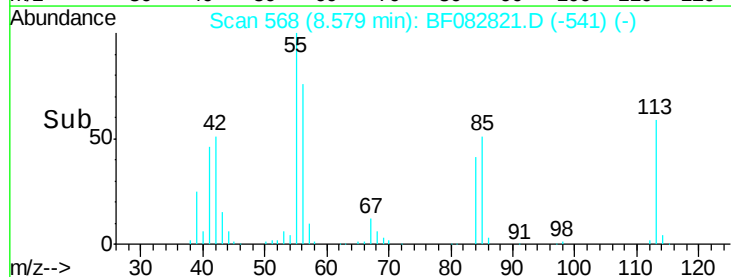
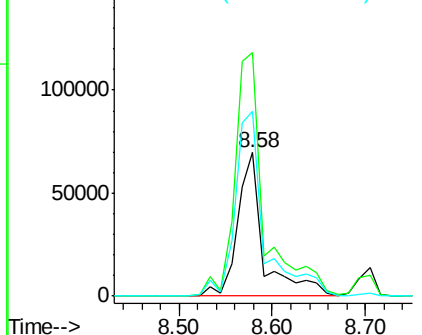
Tgt Ion:	113	Resp:	135275
Ion Ratio		Lower	Upper
113	100		
55	169.7	195.5	235.5#
56	129.0	153.5	193.5#

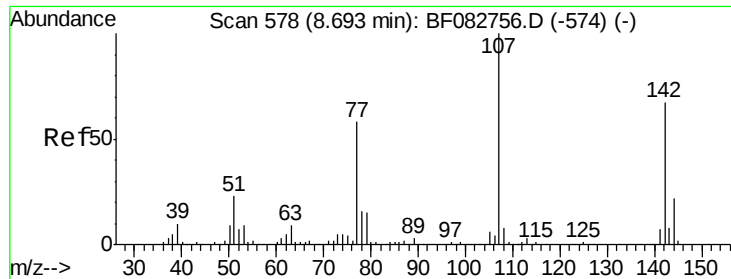


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





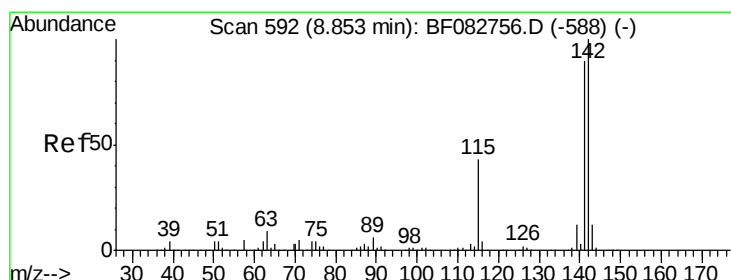
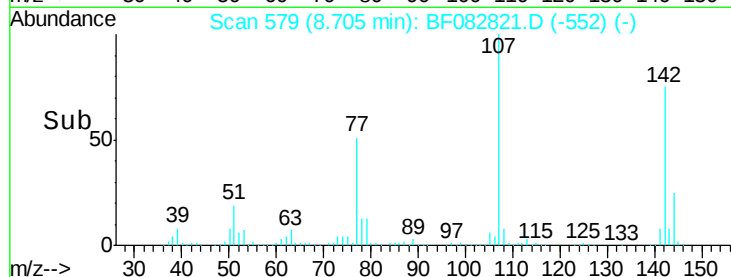
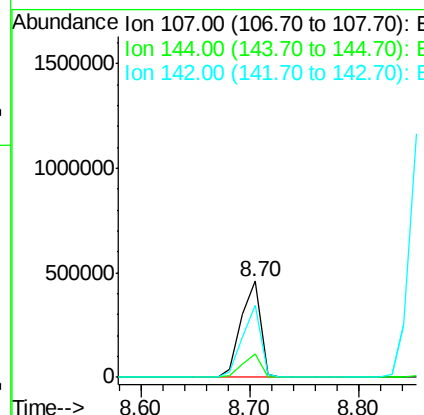
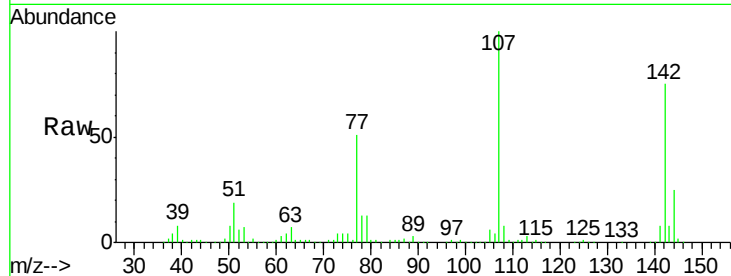
#36
 4-Chloro-3-methylphenol
 Concen: 39.39 ng
 RT: 8.70 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	565052		
144	24.7	15.4	23.0#	
142	75.5	47.8	71.8#	

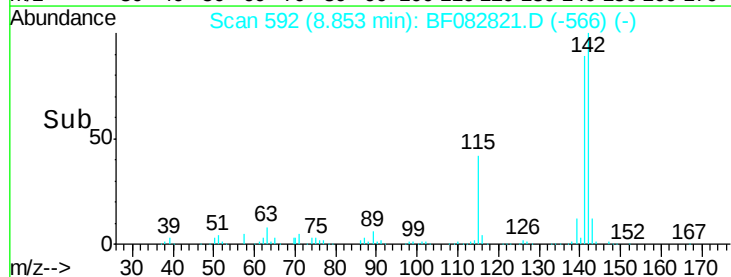
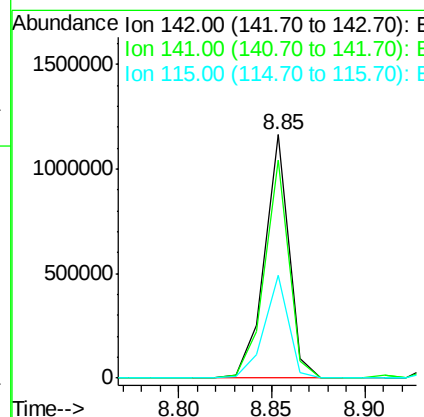
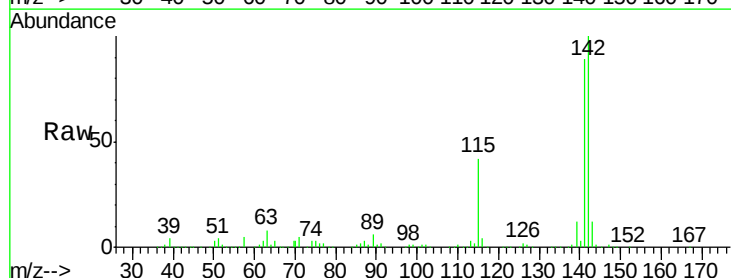
Manual Integrations
 APPROVED

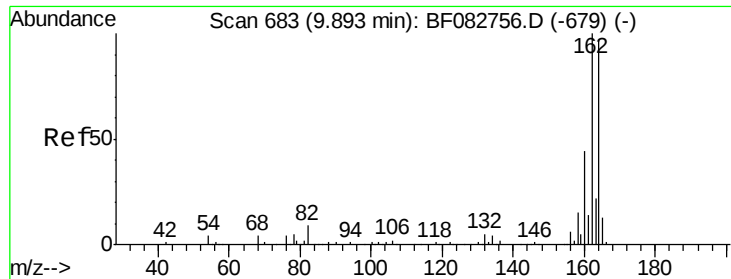
Mmdadoda
 11/9/2015 2:08:42 PM



#37
 2-Methylnaphthalene
 Concen: 38.33 ng
 RT: 8.85 min Scan# 592
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1047591		
141	89.3	72.3	108.5	
115	42.2	38.1	57.1	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

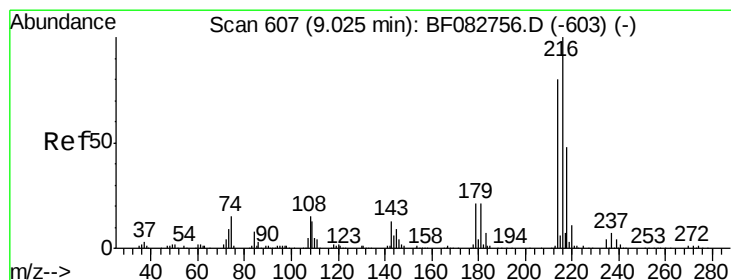
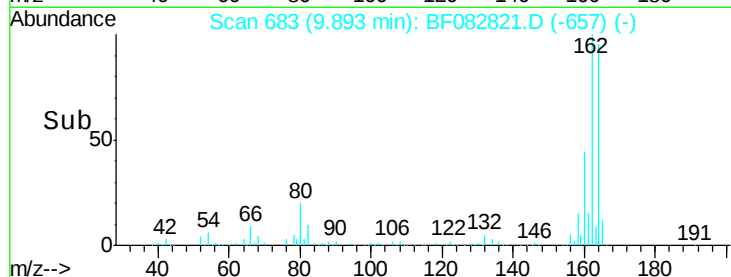
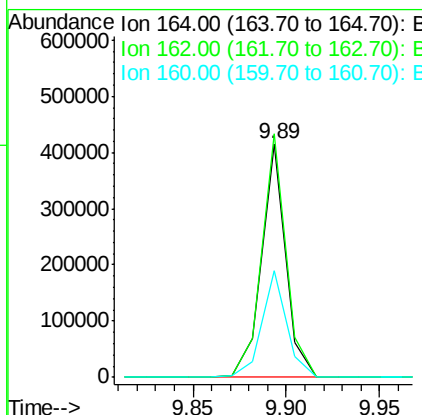
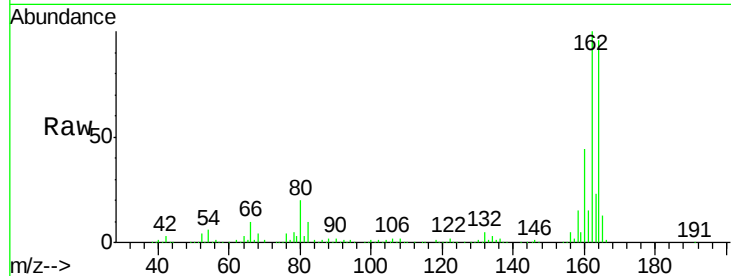
ClientSampleId :

DRUM1-31COMPOSITMSD

Tot Ion:	164	Resp:	376769
Ion Ratio	Lower	Upper	
164	100		
162	104.2	84.9	127.3
160	45.9	37.5	56.3

Manual Integrations
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#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.89 ng

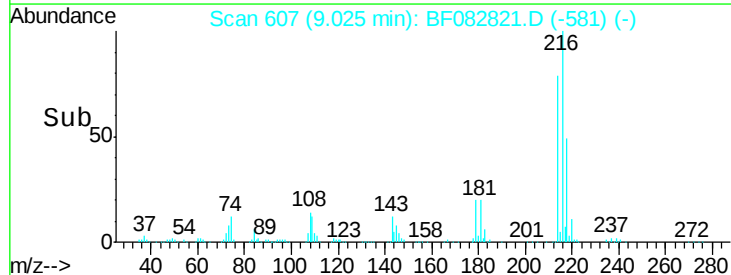
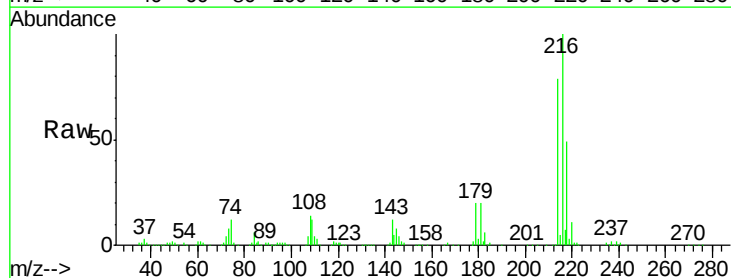
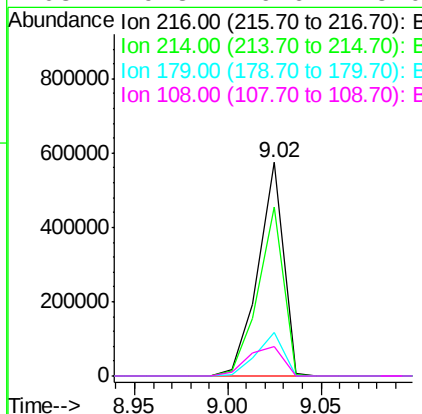
RT: 9.02 min Scan# 607

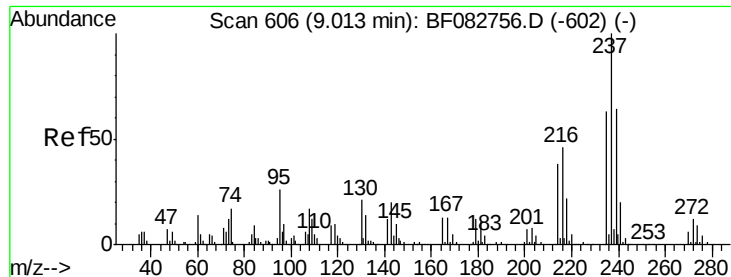
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	216	Resp:	543451
Ion Ratio	Lower	Upper	
216	100		
214	79.2	62.2	93.2
179	21.6	18.1	27.1
108	19.3	16.6	25.0





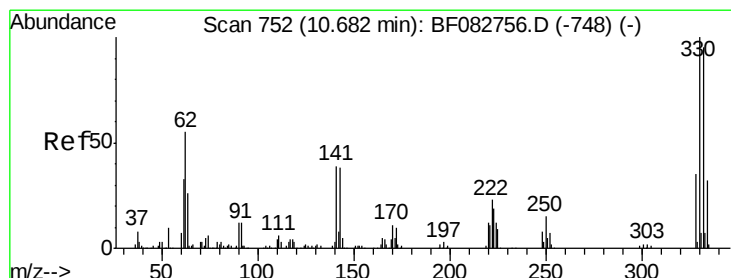
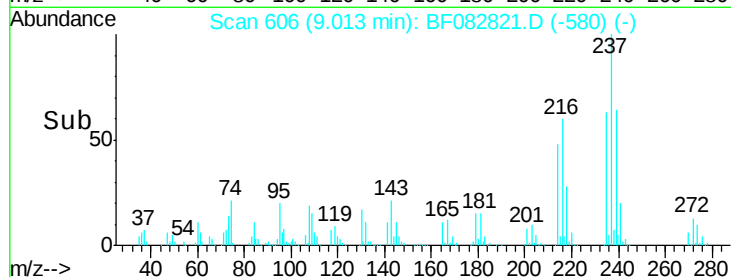
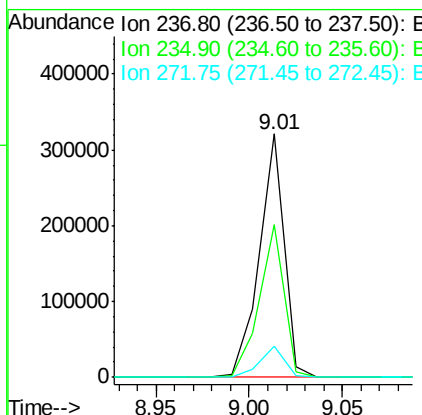
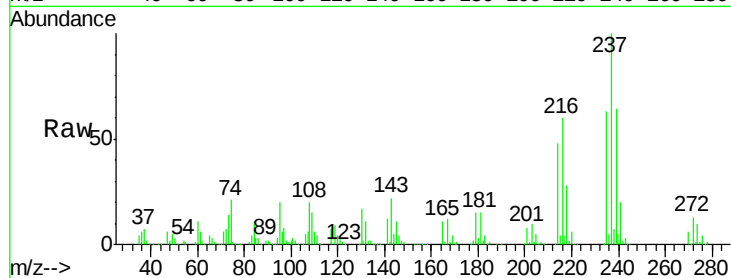
#40
Hexachlorocyclopentadiene
Concen: 44.21 ng
RT: 9.01 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.8	44.3	84.3
272	12.9	0.0	31.9

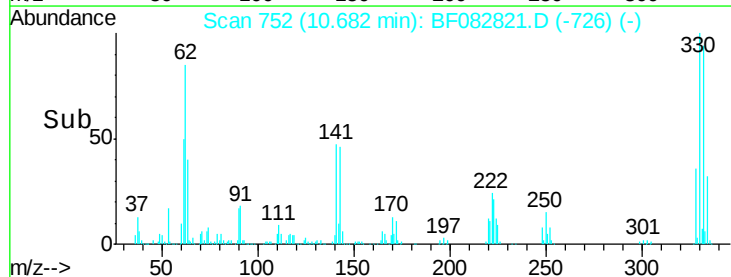
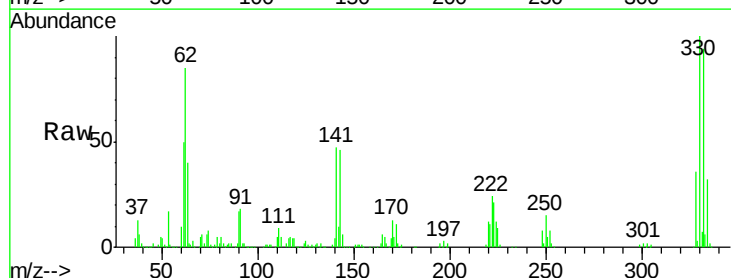
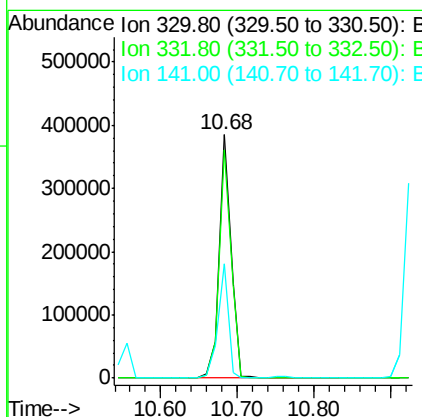
Manual Integrations
APPROVED

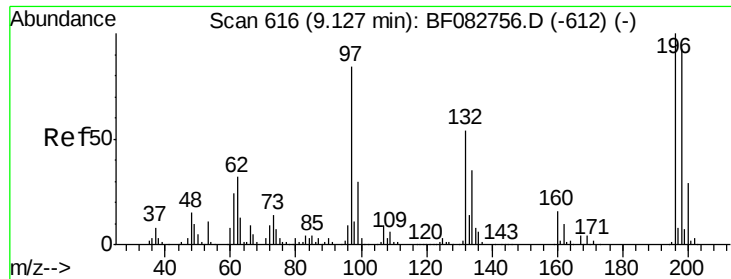
Mmdadoda
11/9/2015 2:08:42 PM



#41
2,4,6-Tribromophenol
Concen: 96.53 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.2	76.6	114.8
141	40.6	41.2	61.8#





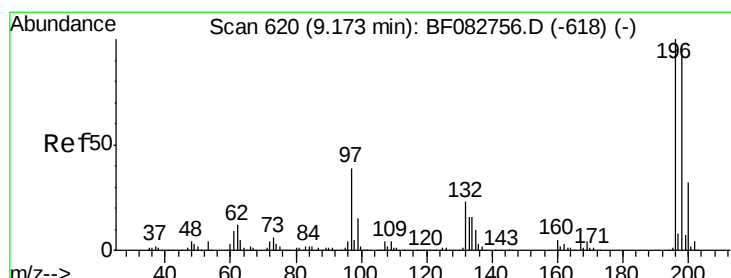
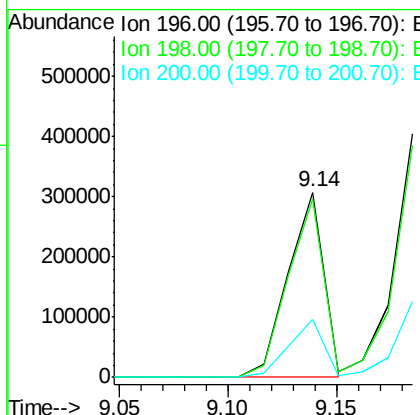
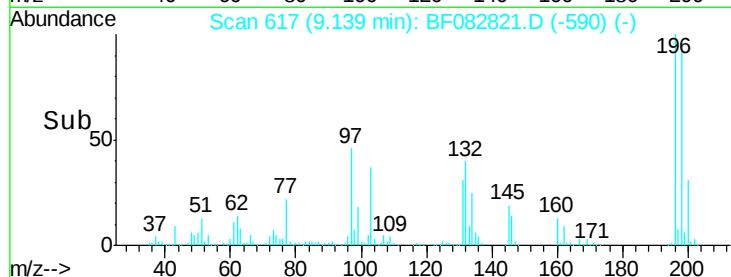
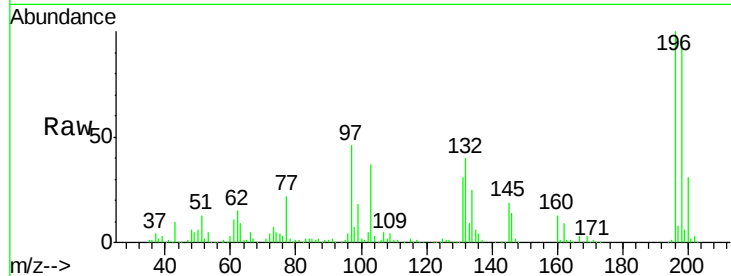
#42
 2,4,6-Trichlorophenol
 Concen: 38.13 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	352423		
198	96.3	76.3	114.5	
200	31.1	23.9	35.9	

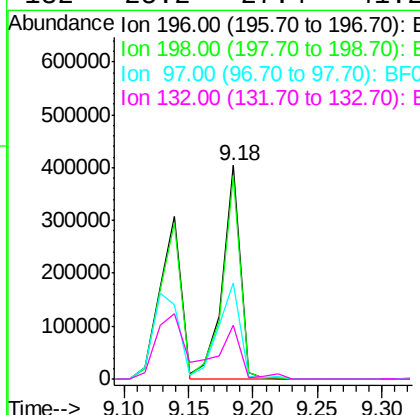
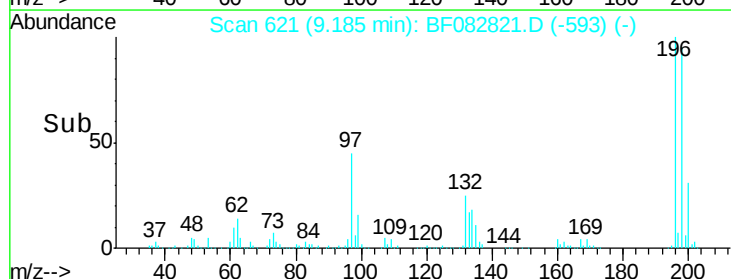
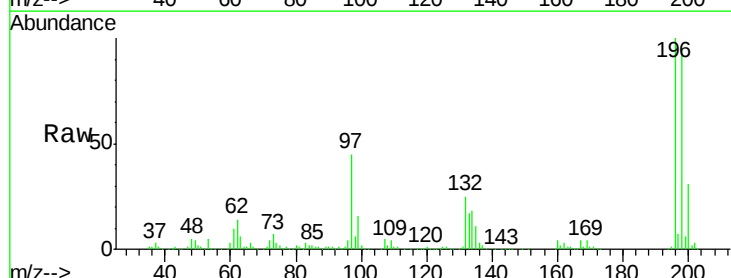
Manual Integrations
 APPROVED

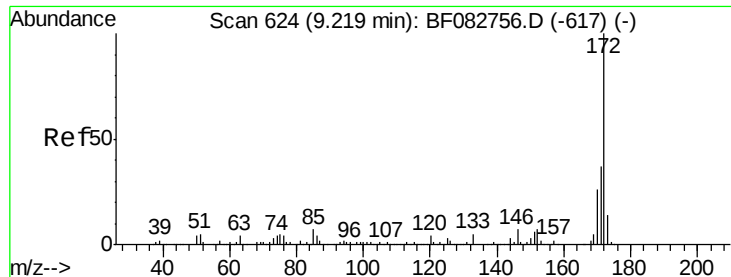
Mmdadoda
 11/9/2015 2:08:42 PM



#43
 2,4,5-Trichlorophenol
 Concen: 42.82 ng m
 RT: 9.18 min Scan# 621
 Delta R.T. 0.02 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	391405		
198	95.3	75.8	113.8	
97	45.1	62.3	93.5#	
132	25.2	27.4	41.2#	





#44

2-Fluorobiphenyl

Concen: 78.30 ng

RT: 9.22 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:172 Resp: 2058435

Ion Ratio Lower Upper

172 100

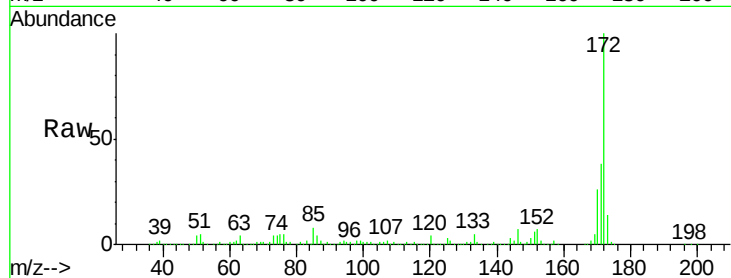
171 37.5 30.8 46.2

170 25.9 21.2 31.8

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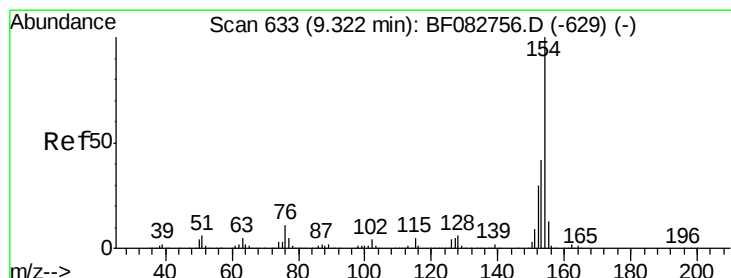
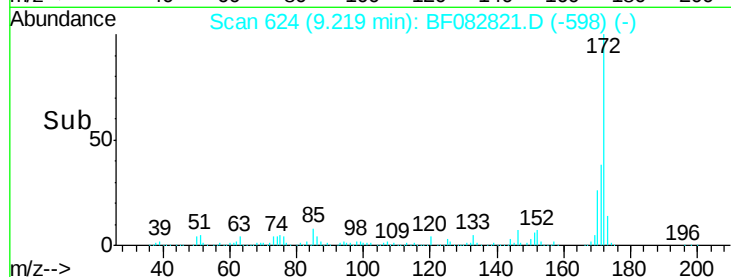
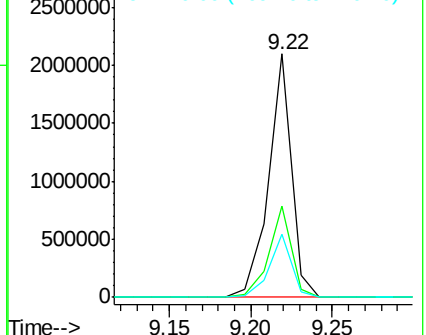
11/9/2015 2:08:42 PM



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 42.56 ng

RT: 9.32 min Scan# 633

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

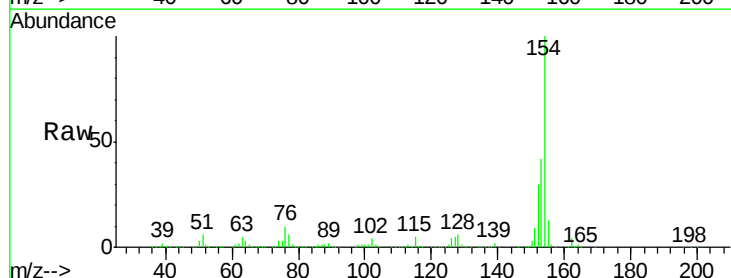
Tgt Ion:154 Resp: 1376028

Ion Ratio Lower Upper

154 100

153 42.1 22.0 62.0

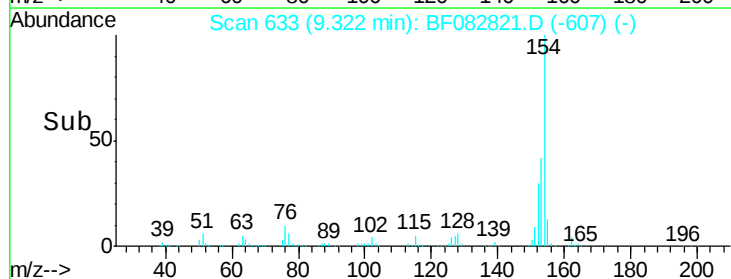
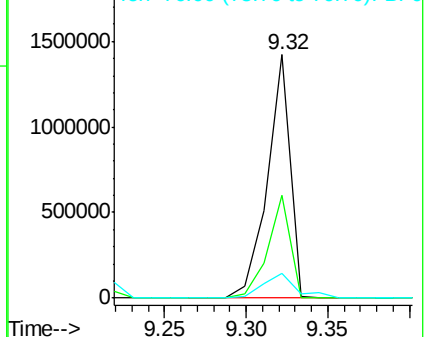
76 10.4 0.0 29.0

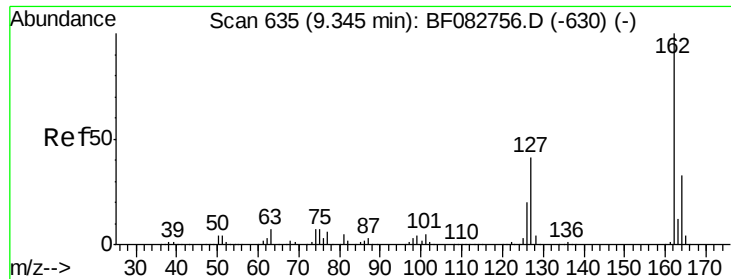


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





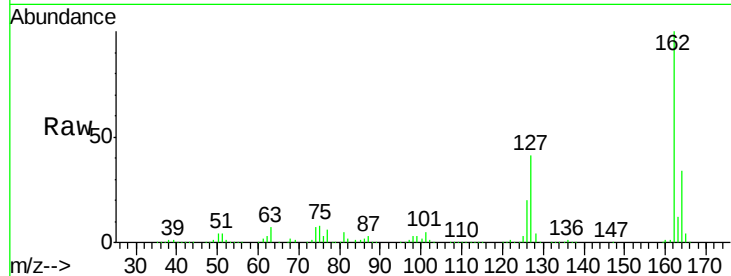
#46
2-Chloronaphthalene
Concen: 41.62 ng
RT: 9.34 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

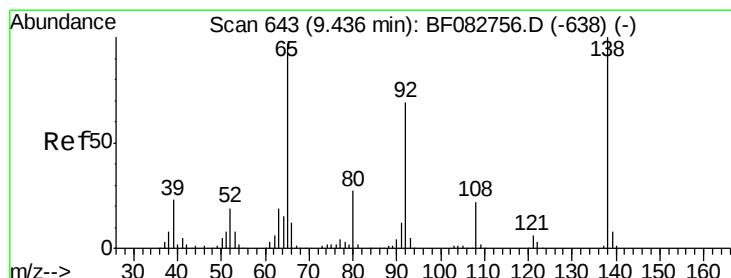
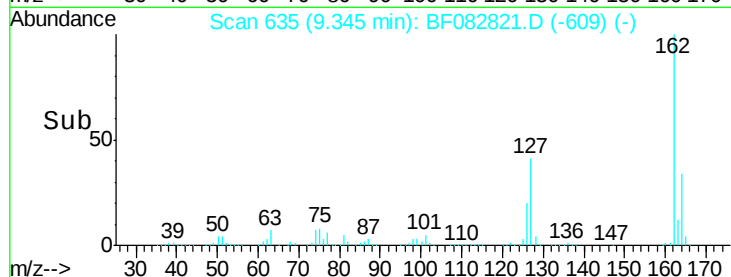
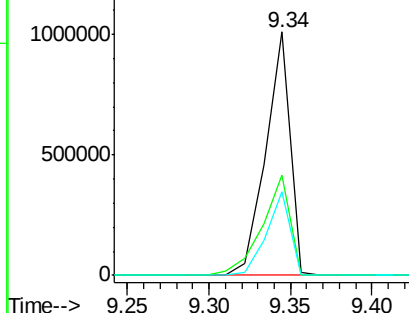
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.7	49.1
164	34.4	27.4	41.0

Manual Integrations
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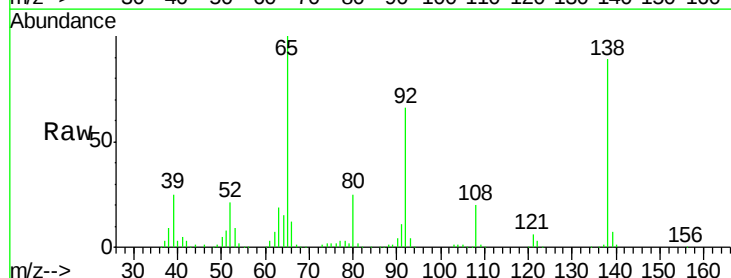


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

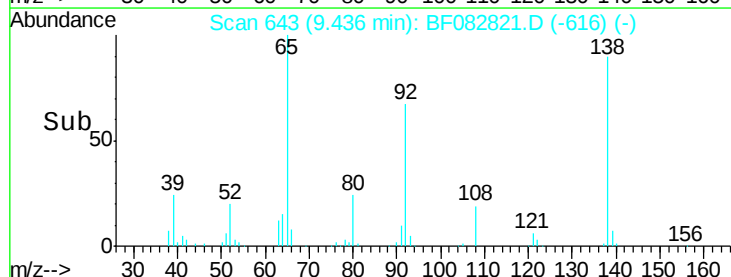
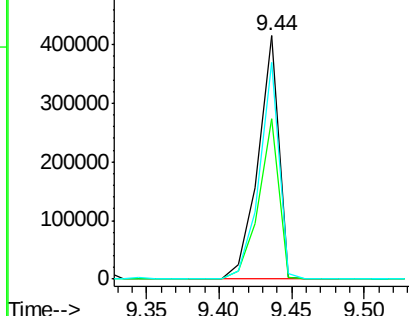


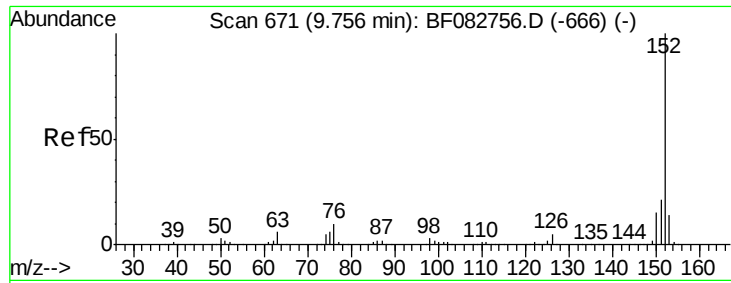
#47
2-Nitroaniline
Concen: 43.96 ng
RT: 9.44 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.1	46.6	70.0
138	89.2	54.6	81.8



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





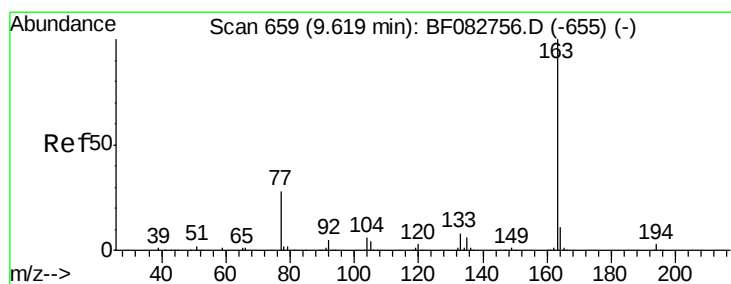
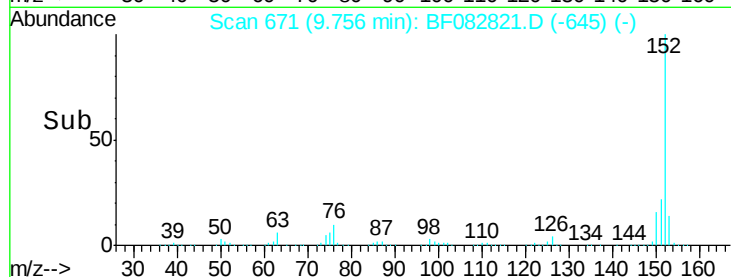
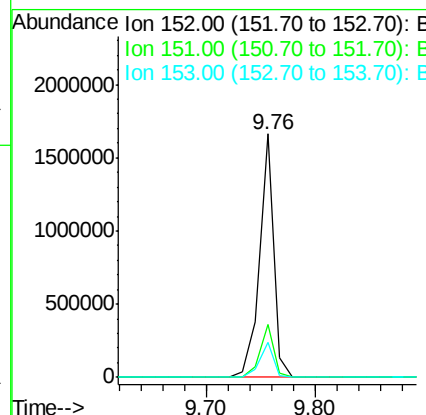
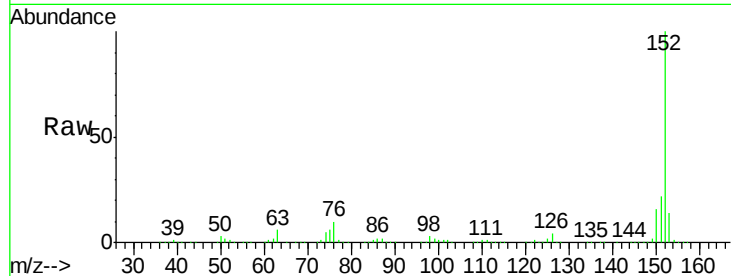
#48
Acenaphthylene
Concen: 38.37 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.3	25.9
153	14.2	11.3	16.9

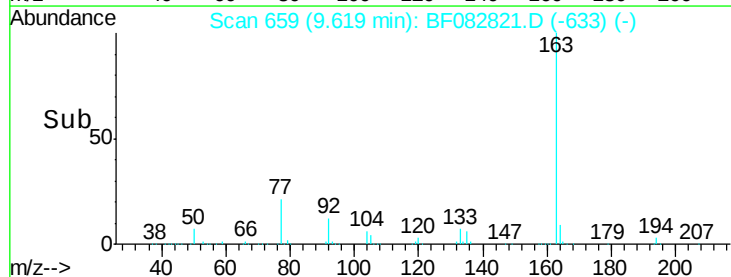
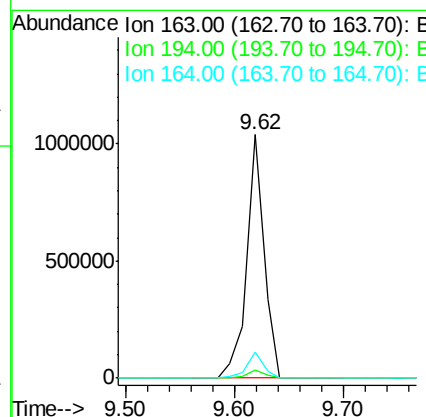
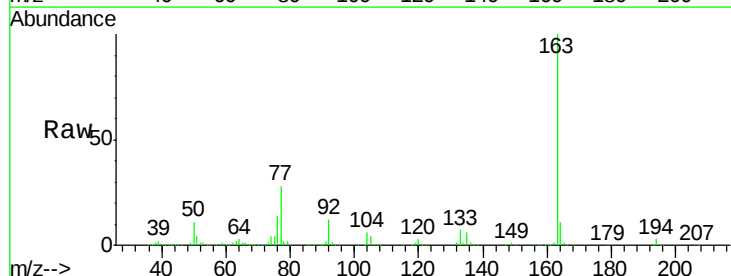
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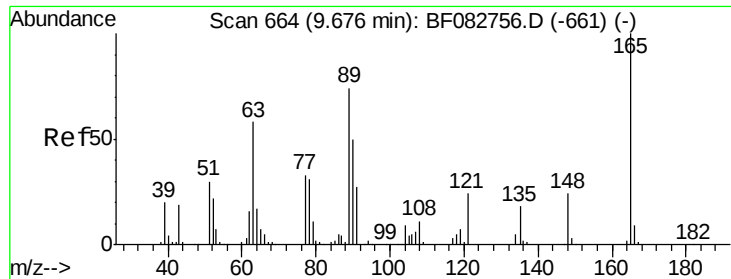
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#49
Dimethylphthalate
Concen: 36.93 ng
RT: 9.62 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.9	8.7	13.1





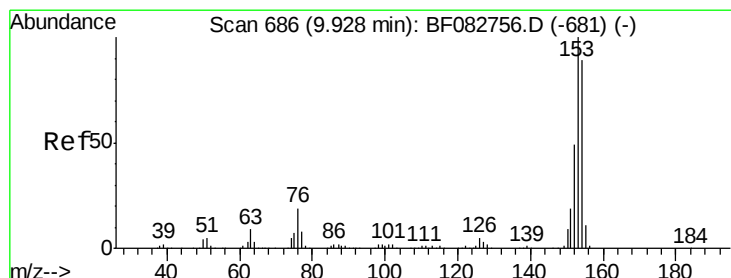
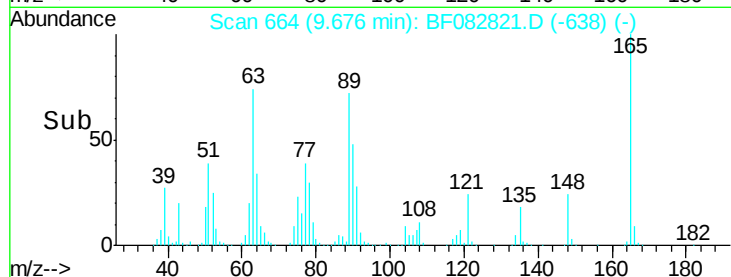
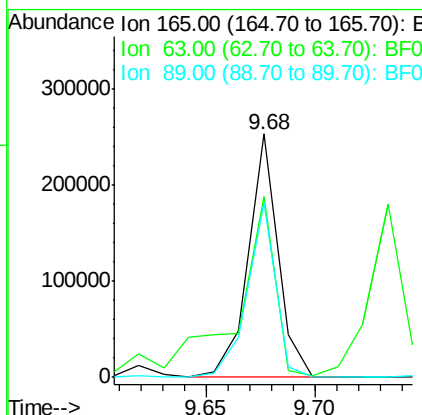
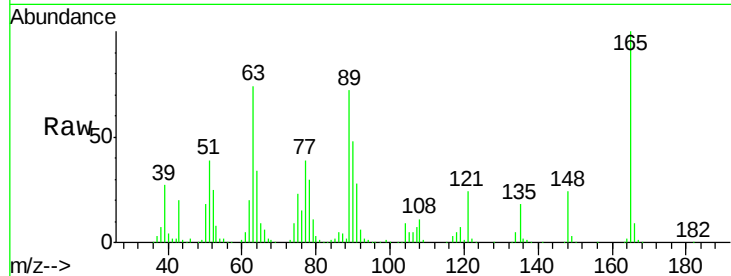
#50
2,6-Dinitrotoluene
Concen: 36.67 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	74.2	55.5	83.3
89	71.8	55.0	82.6

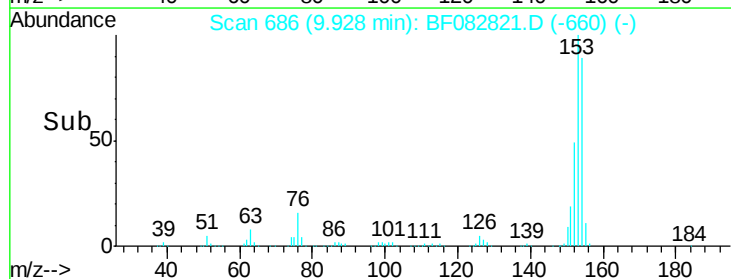
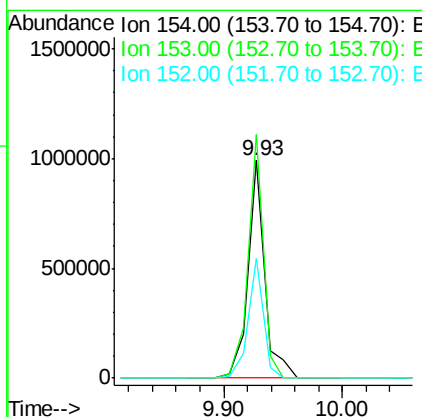
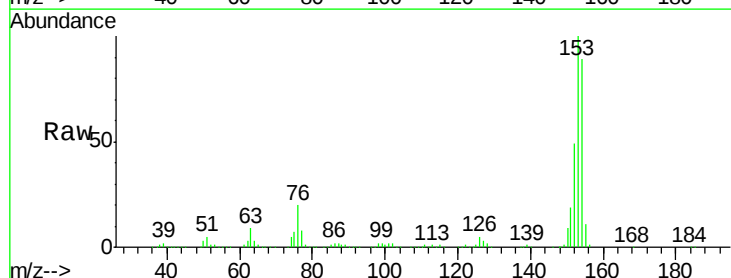
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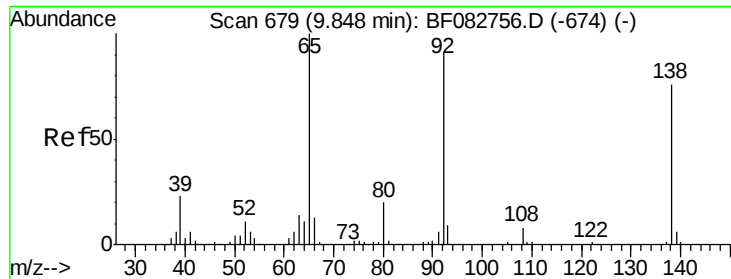
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11/9/2015 2:08:42 PM



#51
Acenaphthene
Concen: 38.89 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.0	90.1	135.1
152	54.9	44.3	66.5





#52

3-Nitroaniline

Concen: 20.23 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

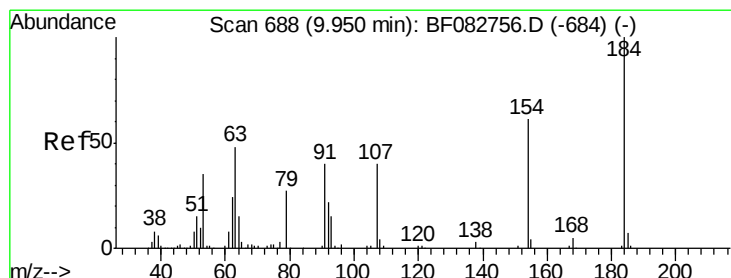
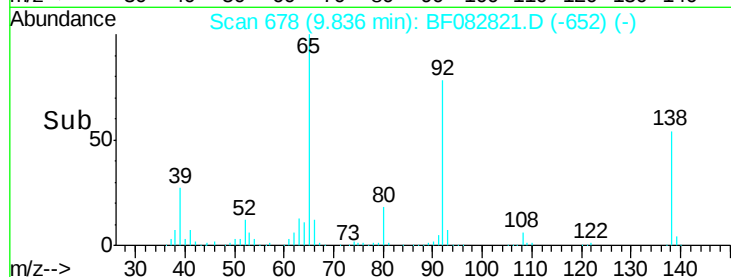
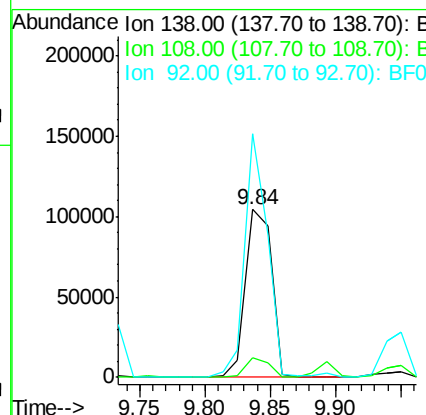
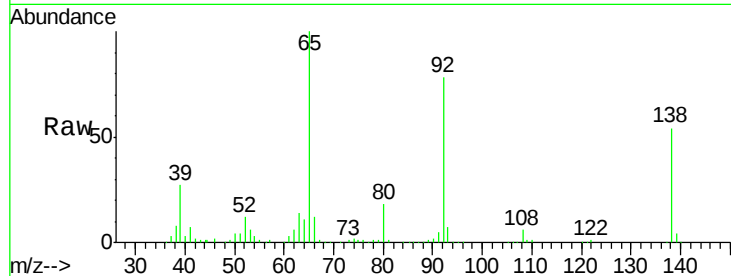
ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
138	100				
108	11.7	11.3	16.9		
92	145.0	122.4	183.6		

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11/9/2015 2:08:42 PM



#53

2,4-Dinitrophenol

Concen: 36.71 ng

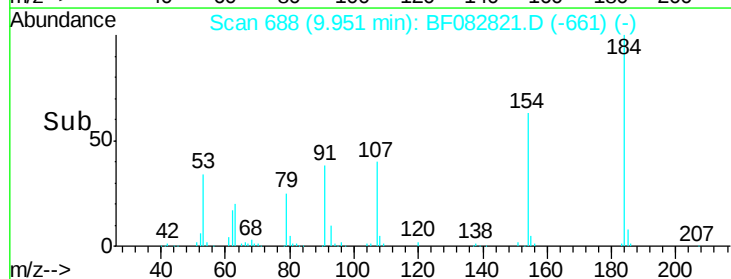
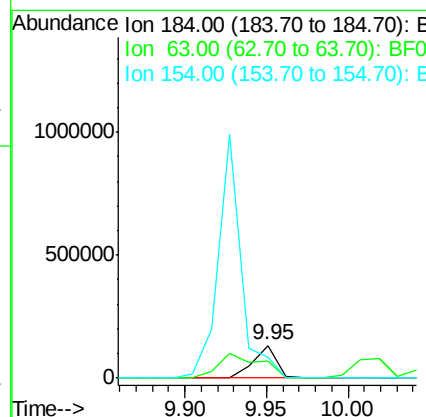
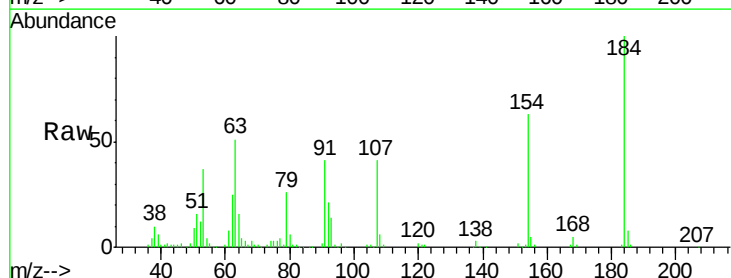
RT: 9.95 min Scan# 688

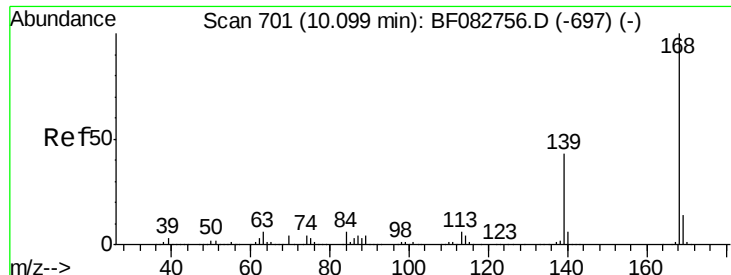
Delta R.T. 0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
184	100				
63	51.2	98.6	148.0#		
154	63.0	183.9	275.9#		





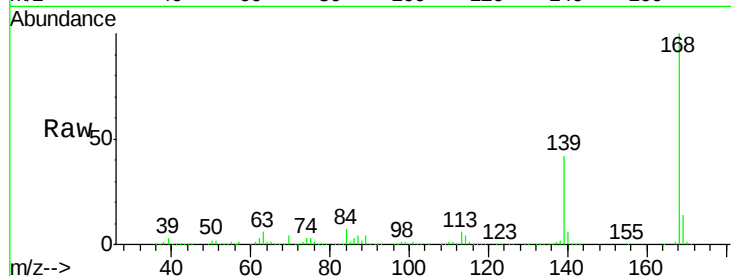
#54
Dibenzofuran
Concen: 39.19 ng
RT: 10.10 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

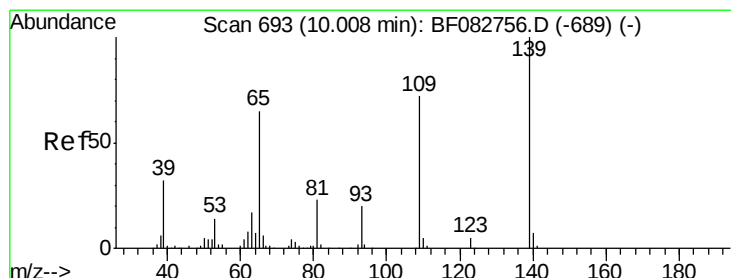
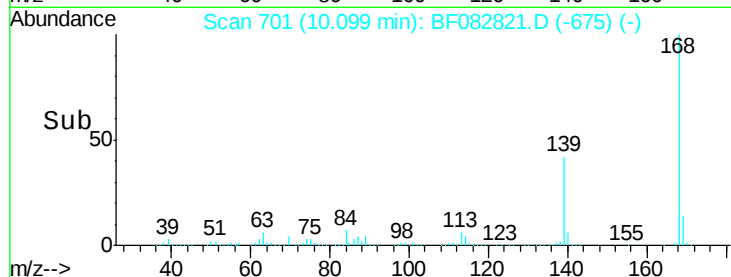
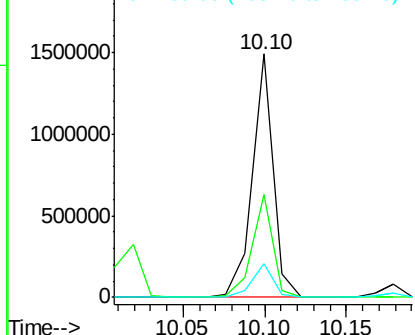
Tot Ion:168 Resp: 1323628
Ion Ratio Lower Upper
168 100
139 42.1 37.8 56.6
169 14.0 11.3 16.9

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11/9/2015 2:08:42 PM

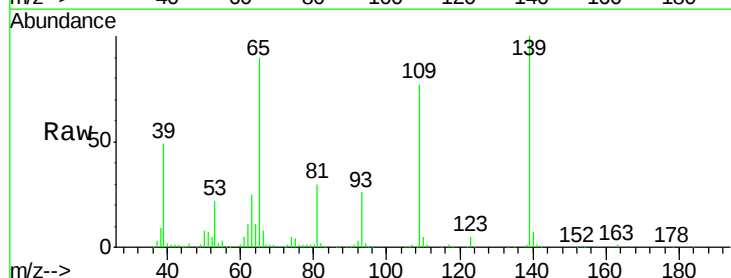


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

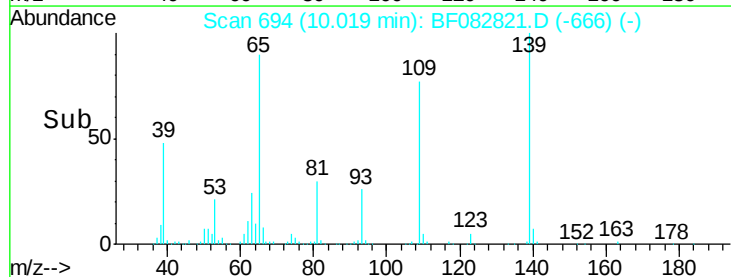
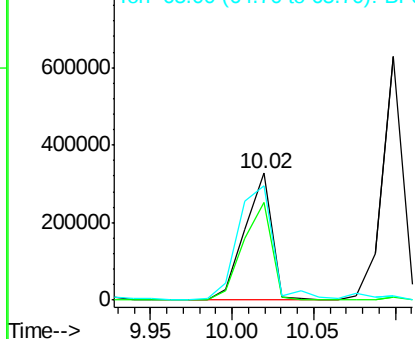


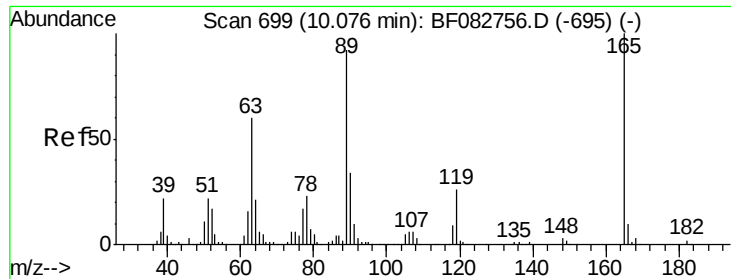
#55
4-Nitrophenol
Concen: 68.27 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:139 Resp: 379412
Ion Ratio Lower Upper
139 100
109 76.6 73.7 113.7
65 90.4 82.9 122.9



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





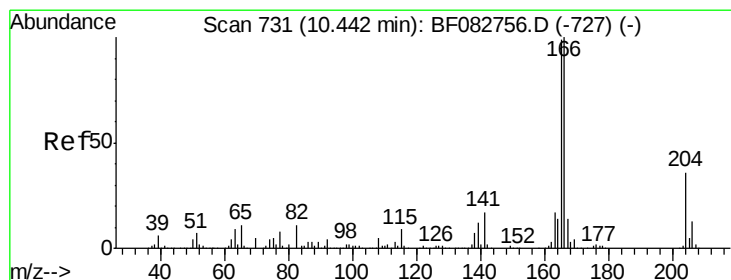
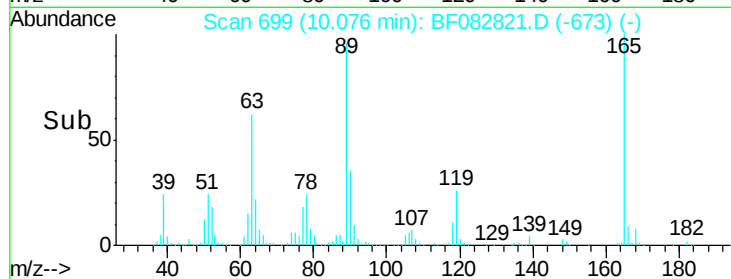
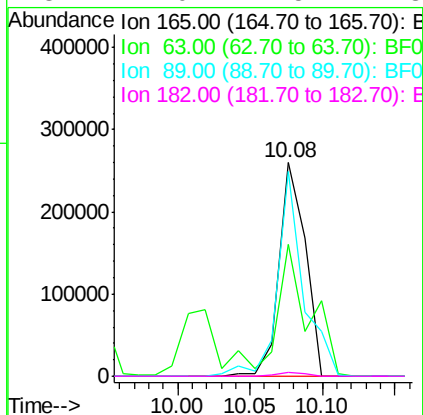
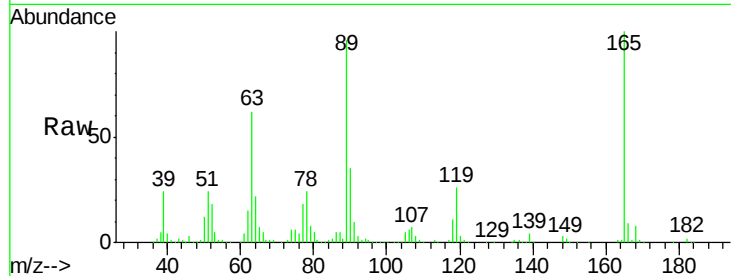
#56
2,4-Dinitrotoluene
Concen: 36.35 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	324872		
63	62.0	43.4	65.0	
89	95.7	70.6	106.0	
182	2.0	1.5	2.3	

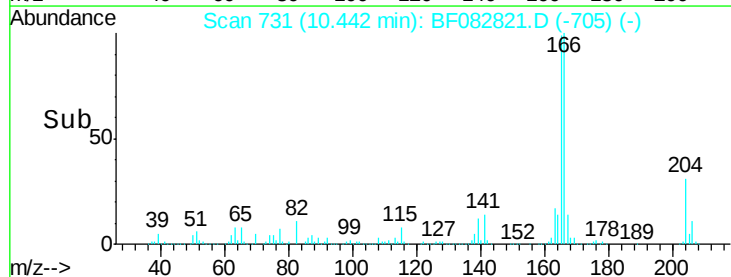
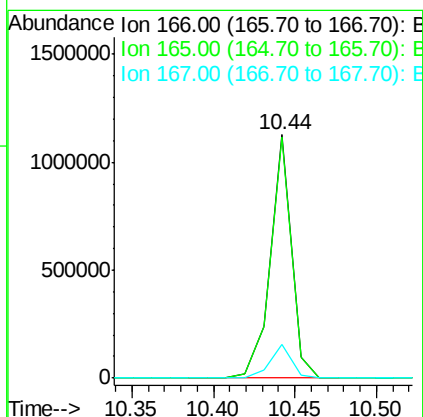
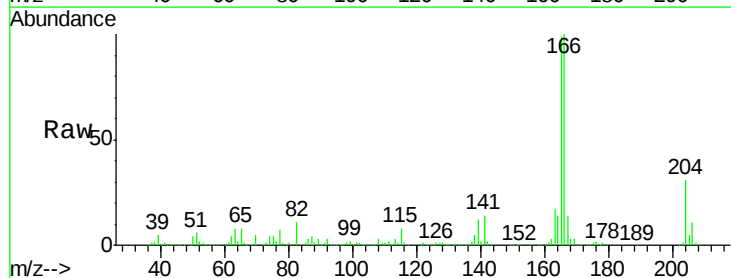
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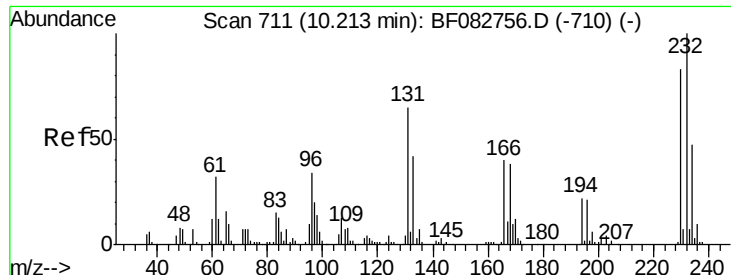
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11/9/2015 2:08:42 PM



#57
Fluorene
Concen: 37.32 ng
RT: 10.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1020758		
165	98.8	80.2	120.4	
167	14.1	11.2	16.8	





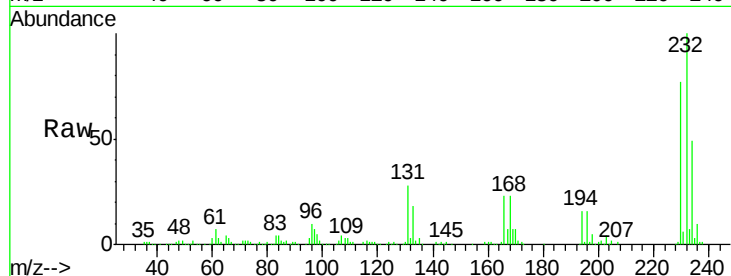
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 36.55 ng
 RT: 10.22 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITEMSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	46.2	69.2
130	2.0	2.4	3.6
166	31.2	28.2	42.2

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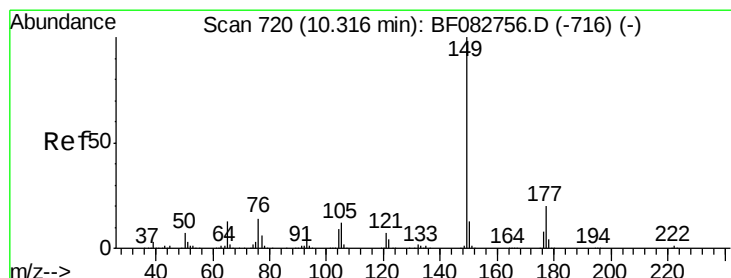
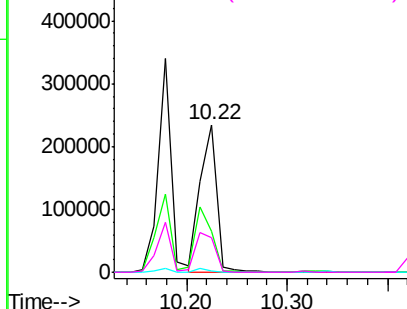
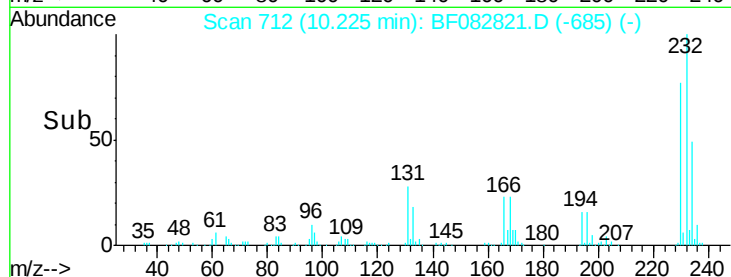
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

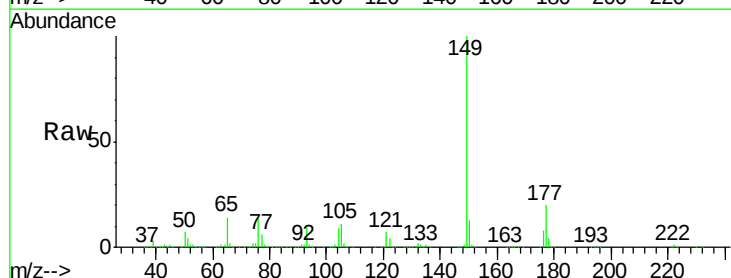
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 38.92 ng
 RT: 10.32 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.3	17.9	26.9
150	13.2	10.1	15.1

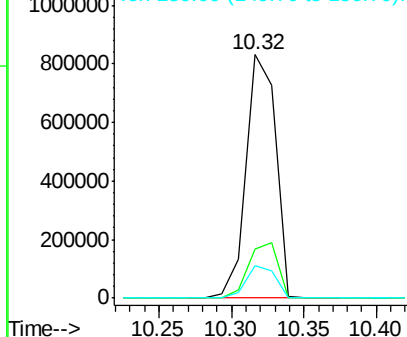
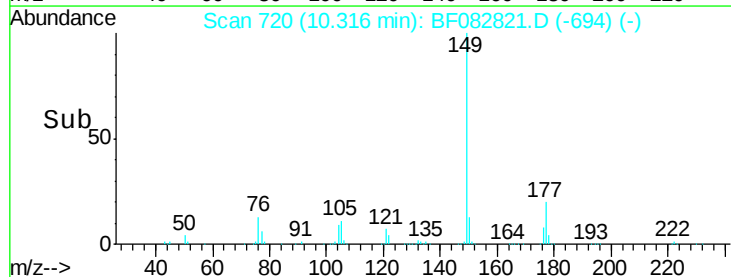


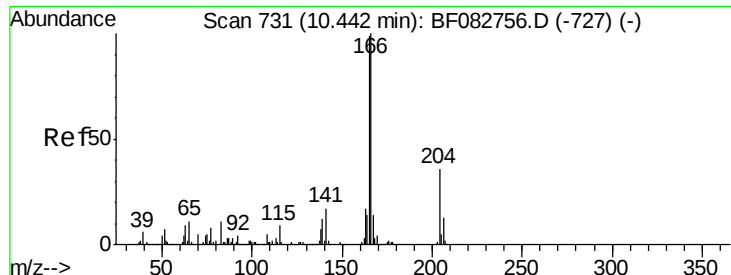
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 36.40 ng

RT: 10.43 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

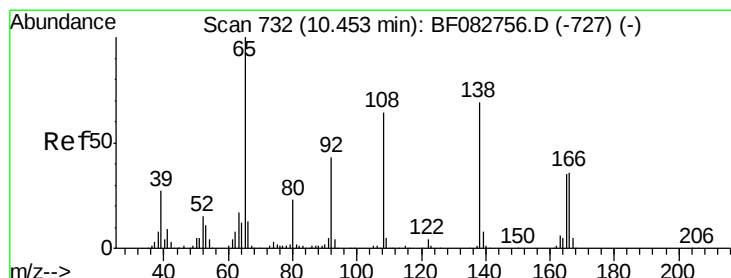
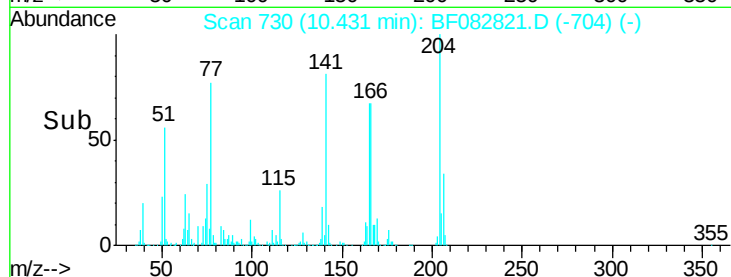
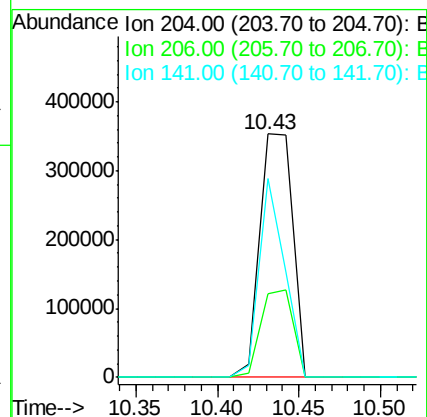
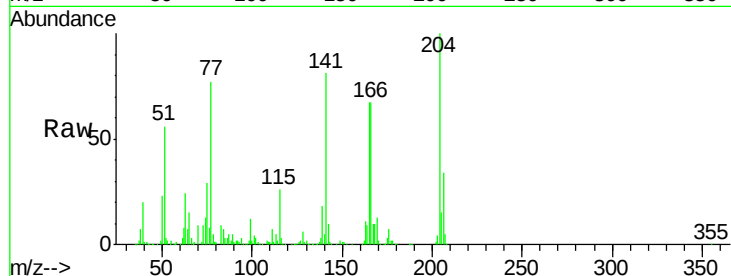
ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:	204	Resp:	498171
Ion Ratio	Lower	Upper	
204	100		
206	34.4	28.5	42.7
141	81.5	44.6	66.8#

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#61

4-Nitroaniline

Concen: 27.49 ng

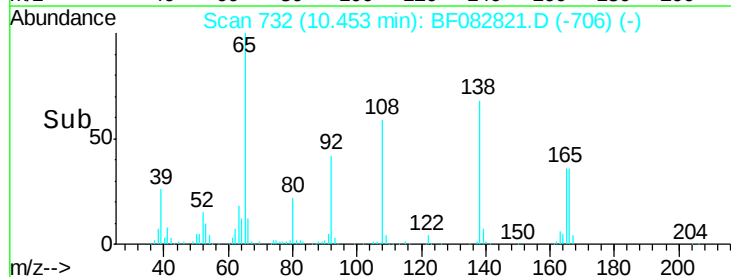
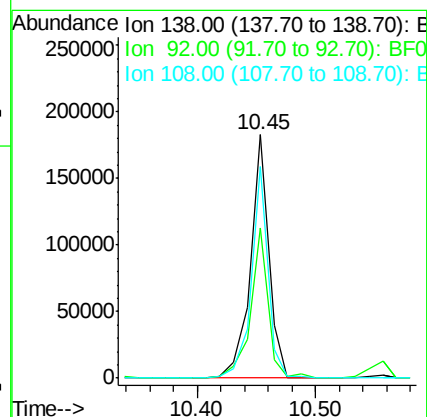
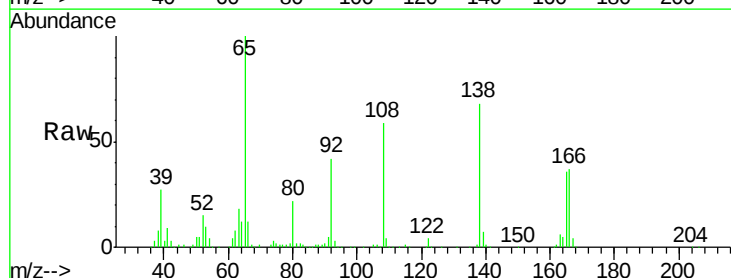
RT: 10.45 min Scan# 732

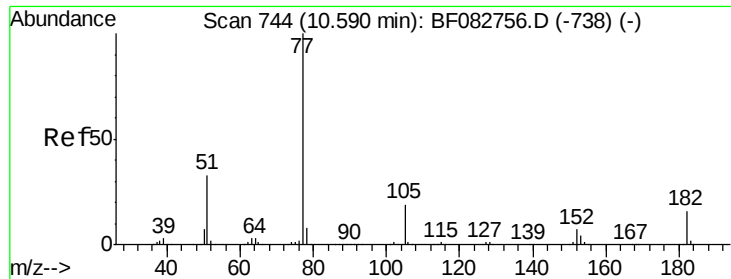
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	138	Resp:	200271
Ion Ratio	Lower	Upper	
138	100		
92	61.6	45.8	85.8
108	86.7	89.4	129.4#





#62

Azobenzene

Concen: 39.85 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion: 77 Resp: 1290186

Ion Ratio Lower Upper

77 100

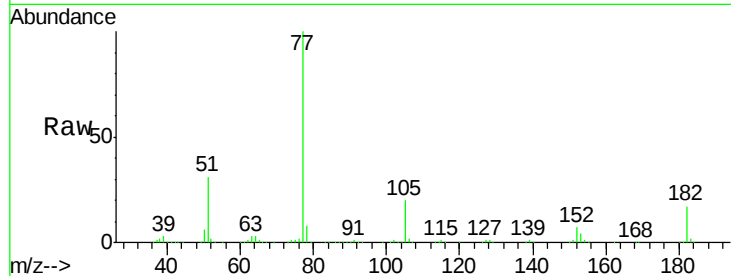
182 16.6 9.3 49.3

105 19.7 2.6 42.6

51 31.4 9.9 49.9

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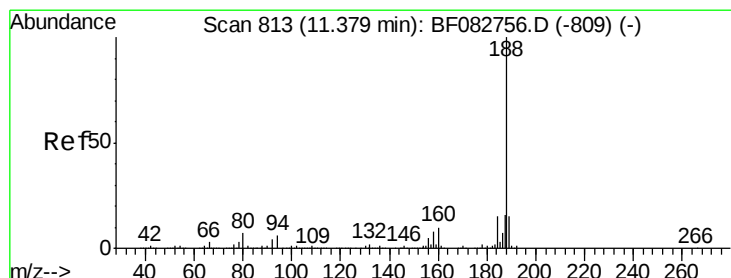
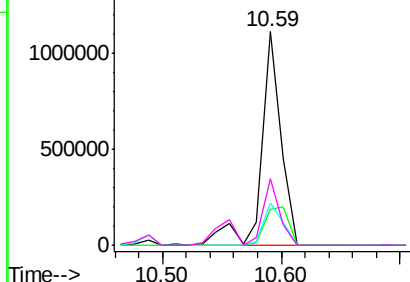
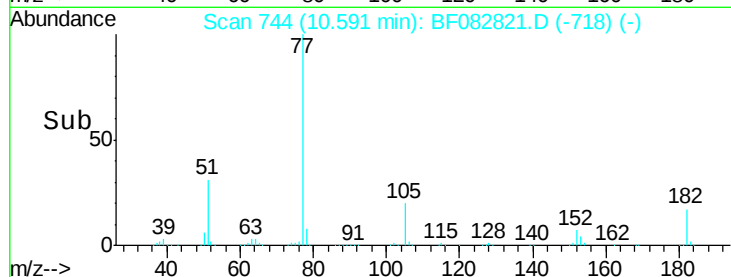


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

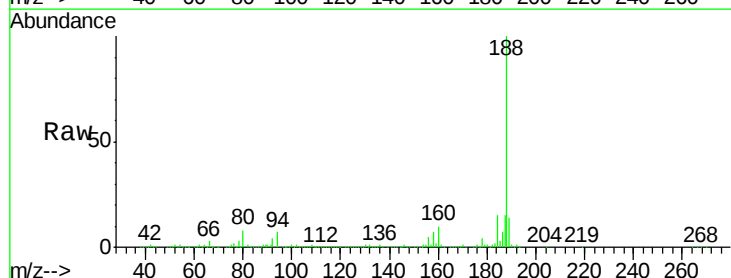
Tgt Ion: 188 Resp: 642525

Ion Ratio Lower Upper

188 100

94 6.8 6.1 9.1

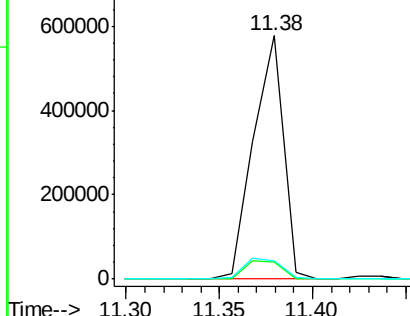
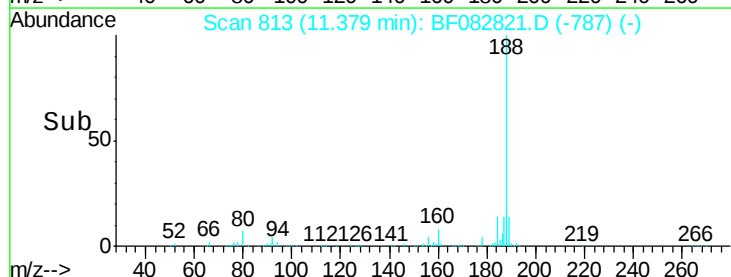
80 7.7 7.0 10.6

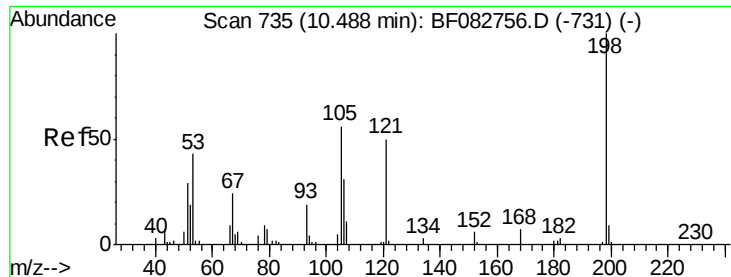


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 22.62 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:198 Resp: 103566

Ion Ratio Lower Upper

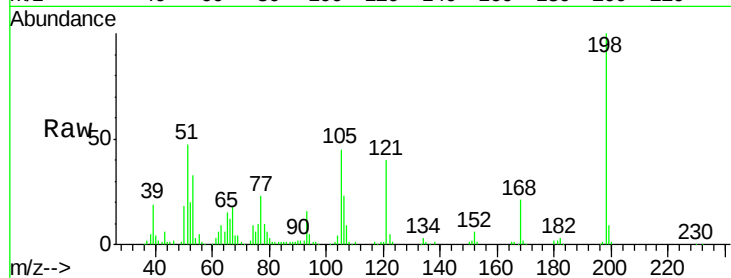
198 100

51 46.5 17.3 57.3

105 44.7 21.7 61.7

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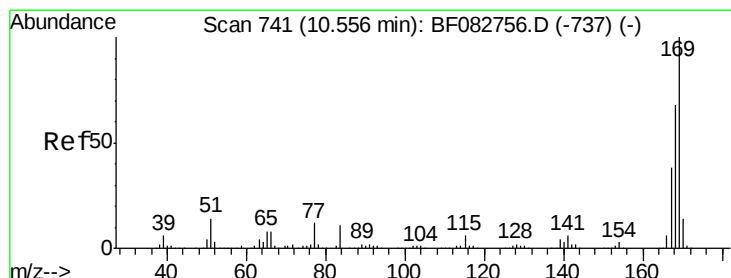
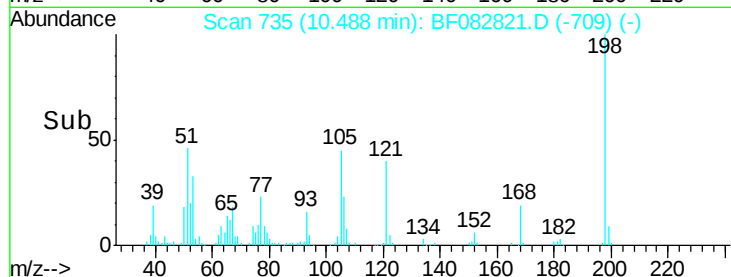
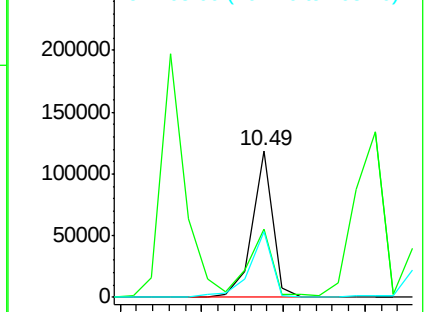
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 42.79 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

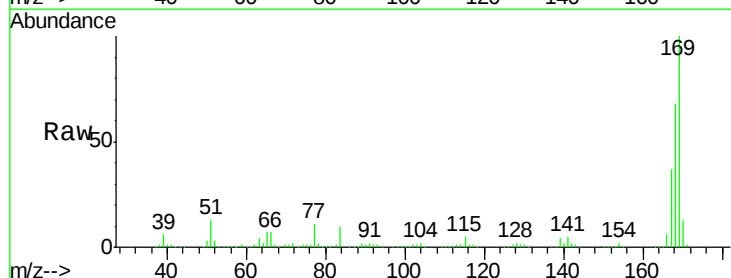
Tgt Ion:169 Resp: 993299

Ion Ratio Lower Upper

169 100

168 68.4 55.0 82.6

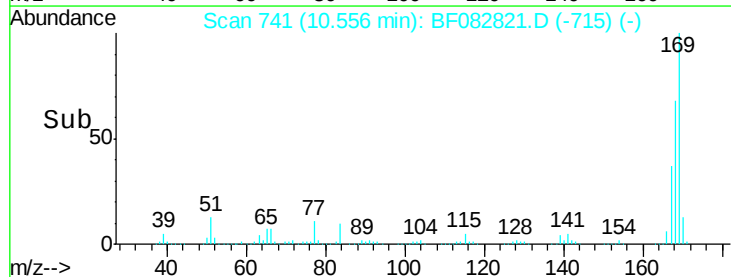
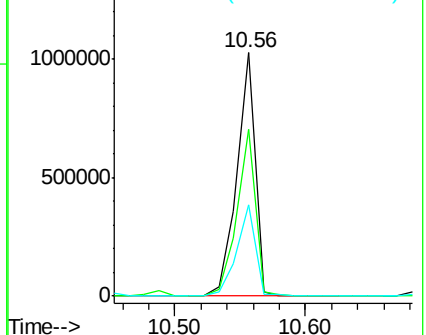
167 37.5 30.5 45.7

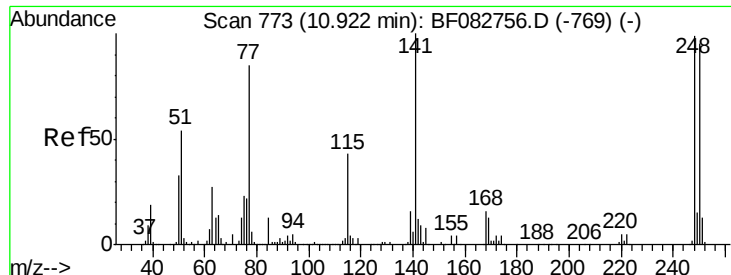


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





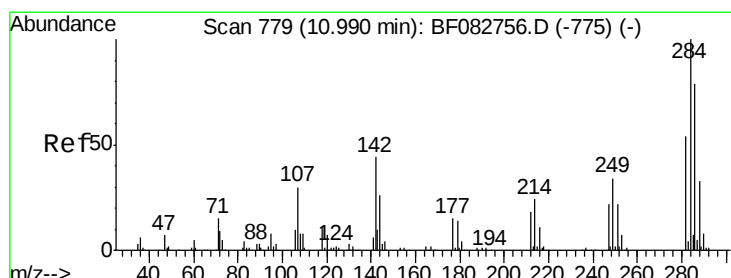
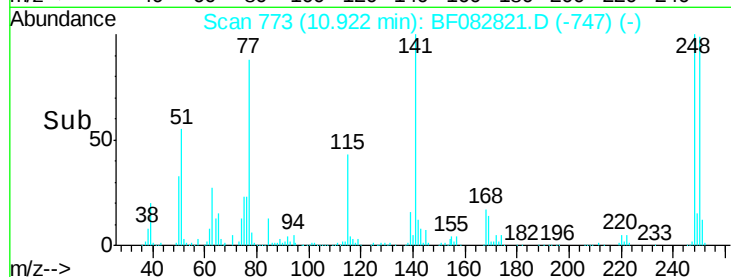
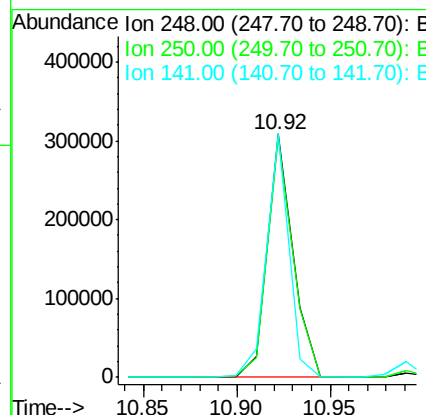
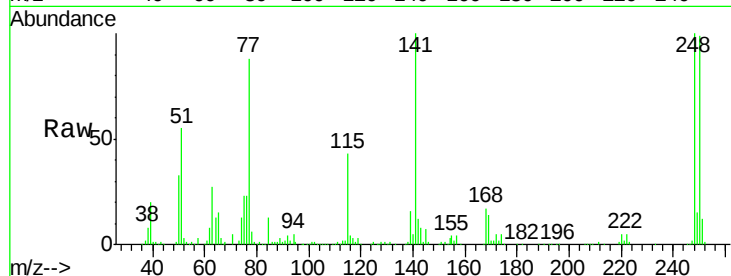
#66
4-Bromophenyl-phenylether
Concen: 37.72 ng
RT: 10.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	98.6	79.4	119.2	
141	100.0	36.3	54.5#	

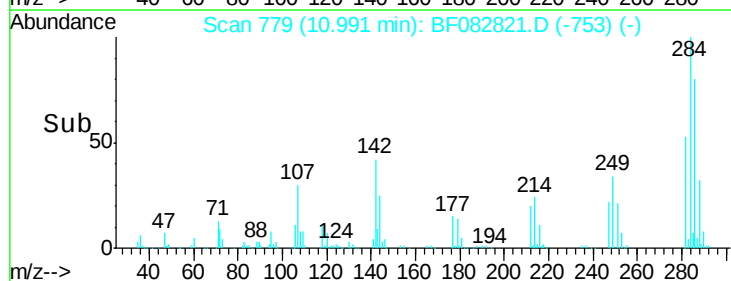
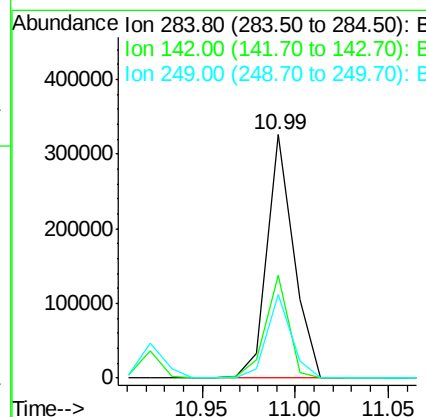
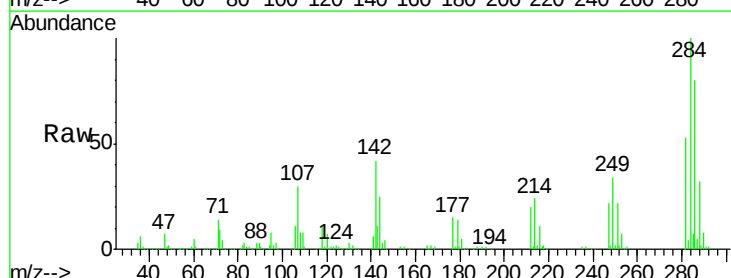
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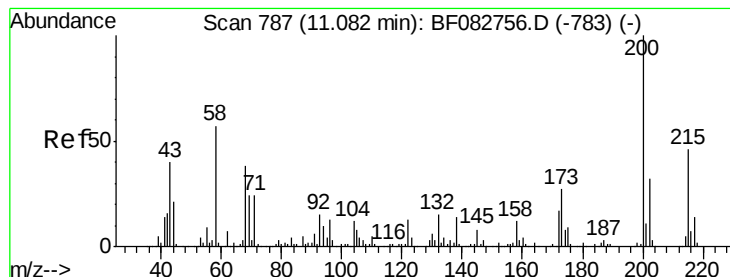
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#67
Hexachlorobenzene
Concen: 37.05 ng
RT: 10.99 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	42.4	47.9	71.9#	
249	34.4	29.7	44.5	





#68

Atrazine

Concen: 35.88 ng

RT: 11.08 min Scan# 787

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

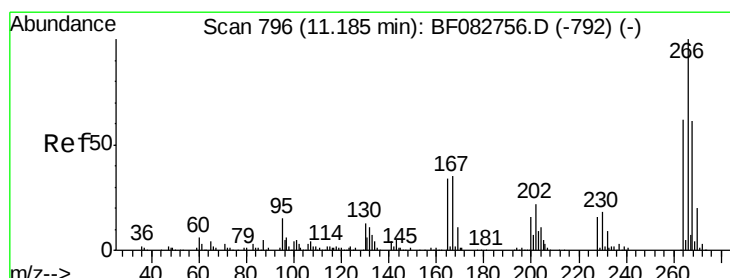
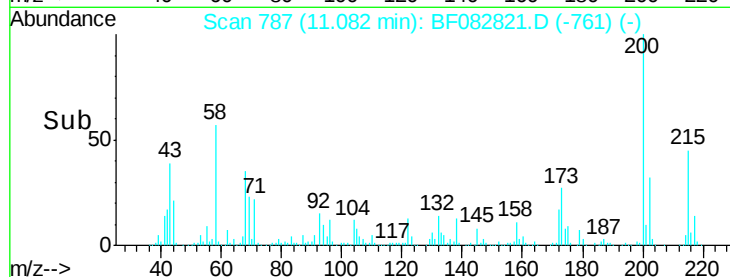
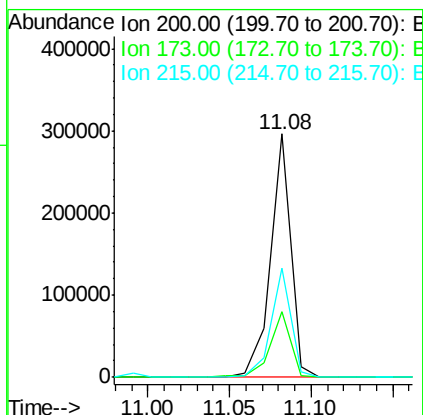
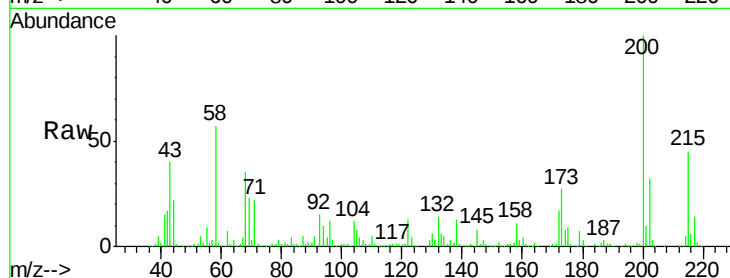
ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:	200	Resp:	257522
Ion Ratio	Lower	Upper	
200	100		
173	26.7	6.9	46.9
215	44.9	22.9	62.9

Manual Integrations
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#69

Pentachlorophenol

Concen: 64.19 ng

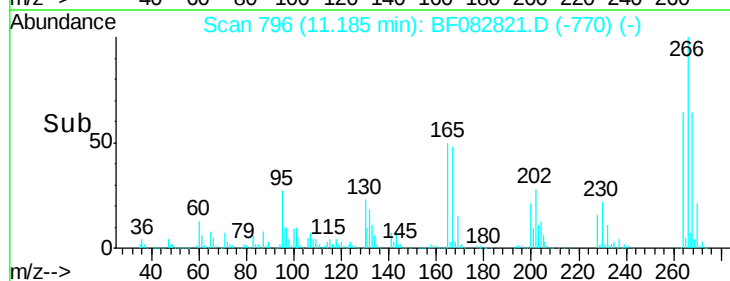
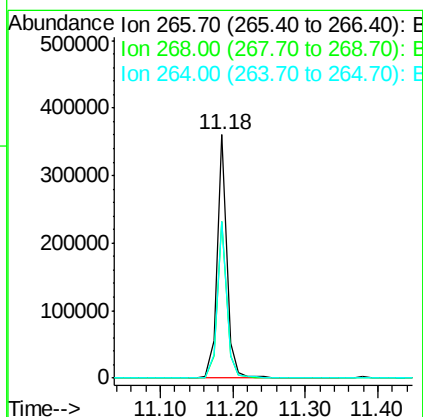
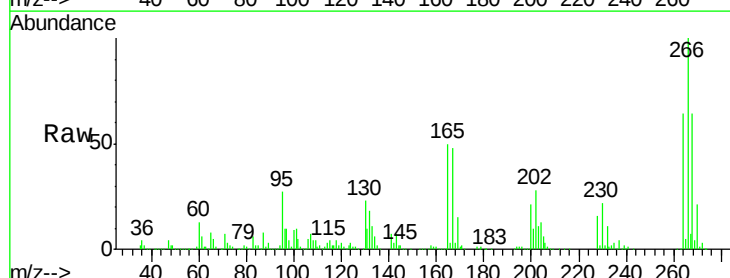
RT: 11.18 min Scan# 796

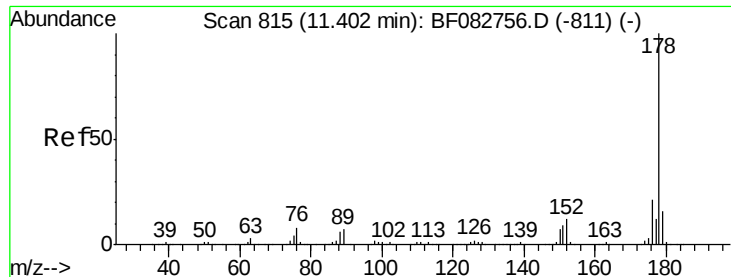
Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Tgt Ion:	266	Resp:	336744
Ion Ratio	Lower	Upper	
266	100		
268	64.1	51.0	76.6
264	64.1	50.6	75.8





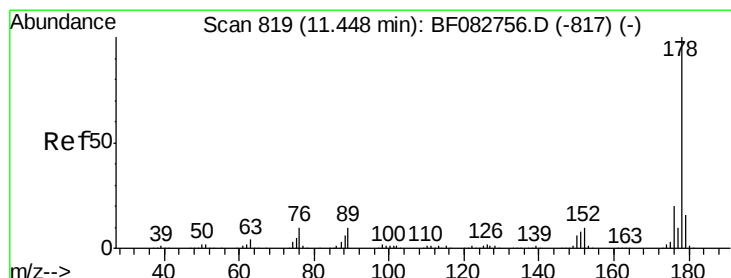
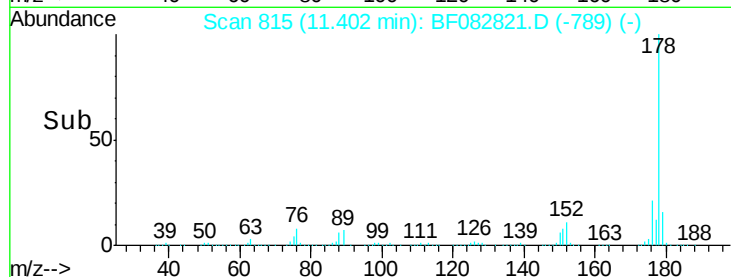
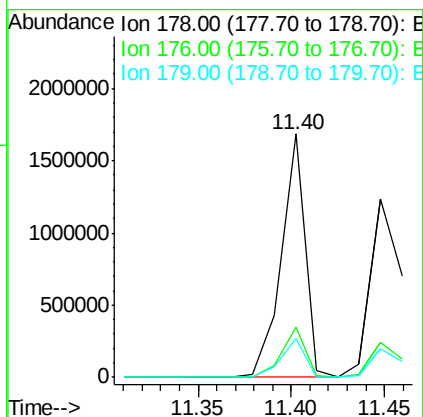
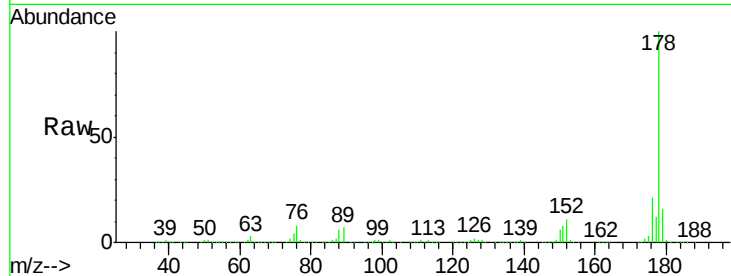
#70
Phenanthrene
Concen: 40.35 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

Tot Ion:178 Resp: 1505624
Ion Ratio Lower Upper
178 100
176 20.6 17.0 25.4
179 16.1 13.4 20.0

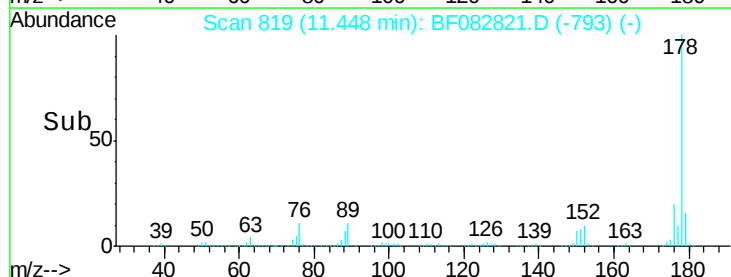
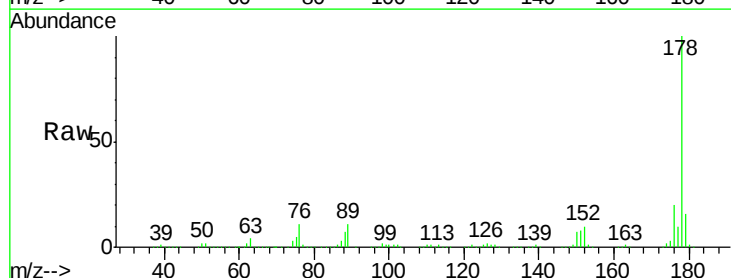
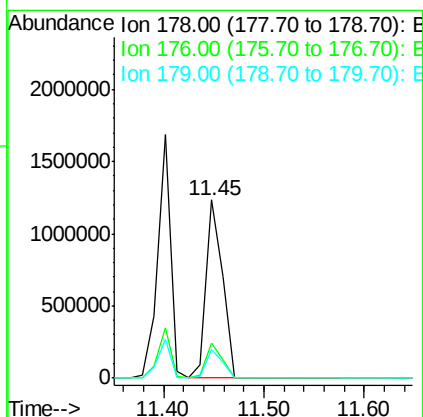
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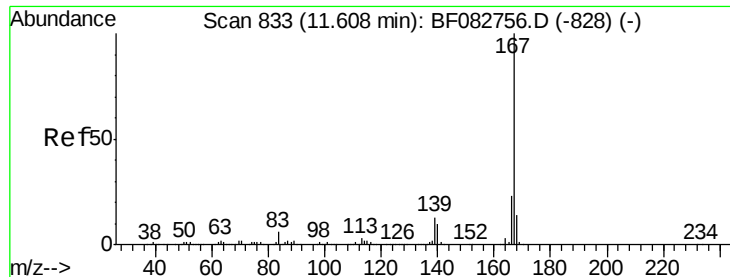
Mmdadoda
11/9/2015 2:08:42 PM



#71
Anthracene
Concen: 35.59 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:178 Resp: 1399025
Ion Ratio Lower Upper
178 100
176 20.0 16.5 24.7
179 16.4 13.2 19.8





#72

Carbazole

Concen: 39.51 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:167 Resp: 1359465

Ion Ratio Lower Upper

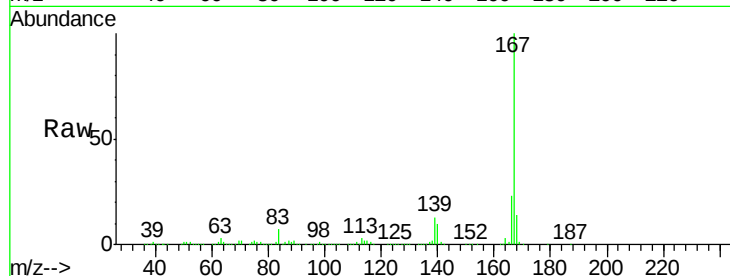
167 100

166 22.6 18.7 28.1

139 13.5 11.8 17.6

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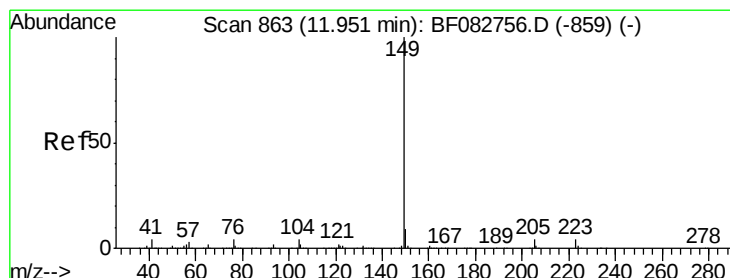
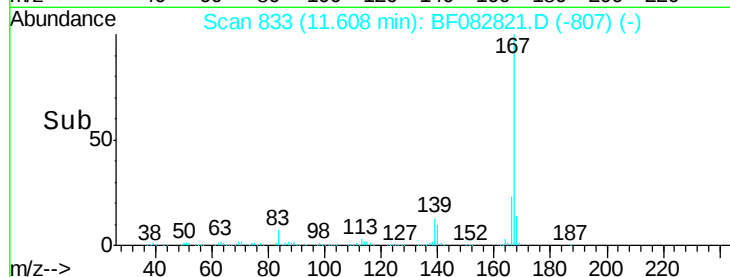
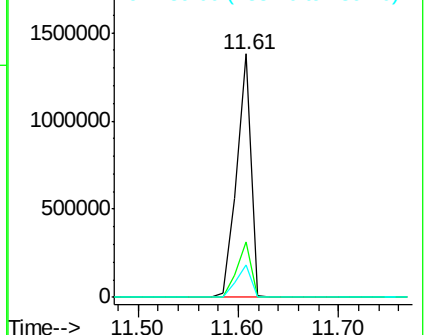
Mmdadoda
11/9/2015 2:08:42 PM



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: 40.46 ng

RT: 11.95 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

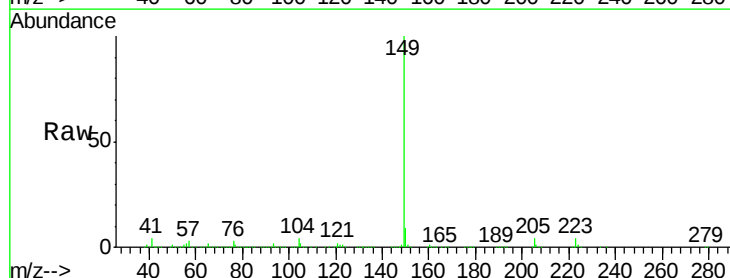
Tgt Ion:149 Resp: 1734319

Ion Ratio Lower Upper

149 100

150 9.3 8.1 12.1

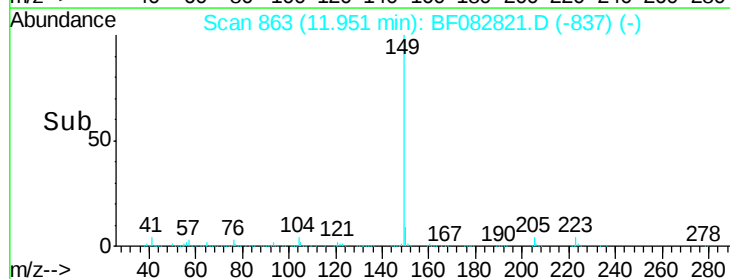
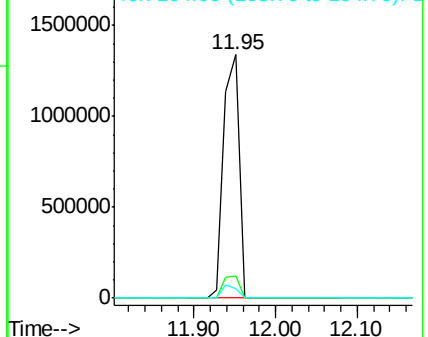
104 4.1 5.2 7.8#

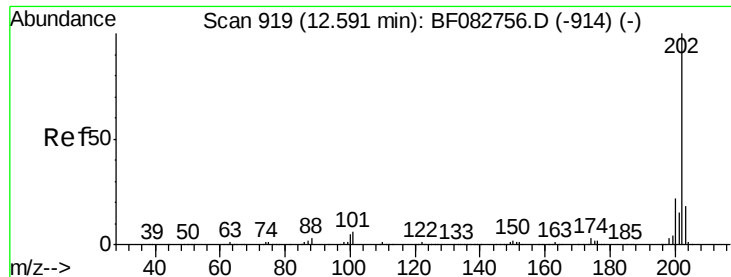


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





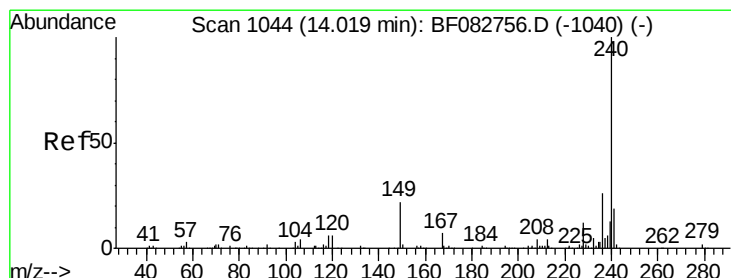
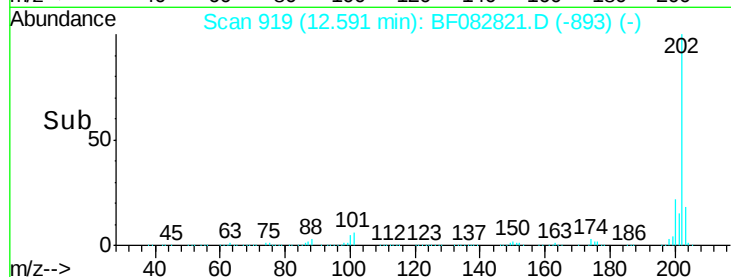
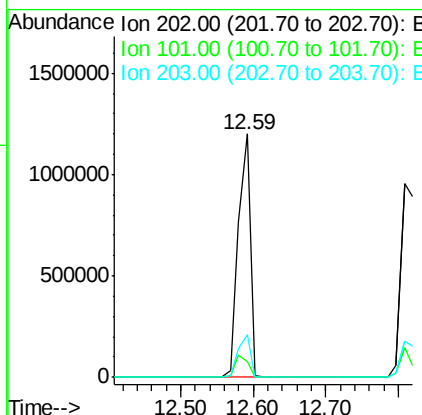
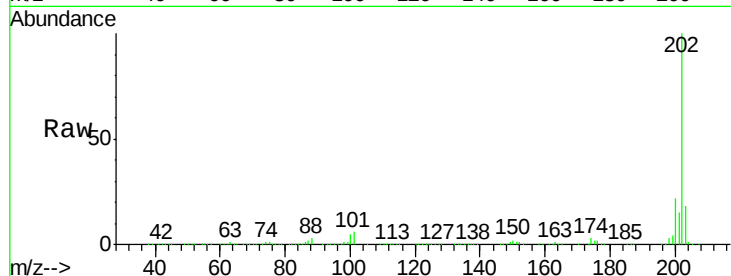
#74
Fluoranthene
 Concen: 34.63 ng
 RT: 12.59 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1386491		
101	6.4	0.0	30.5	
203	17.7	0.0	38.5	

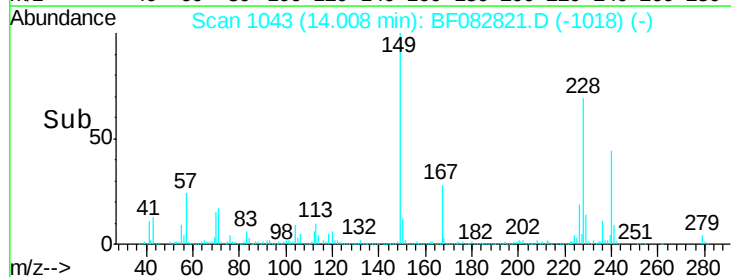
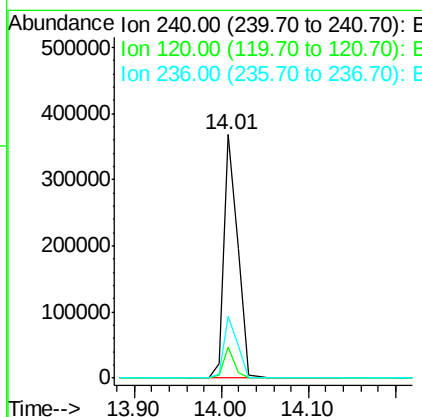
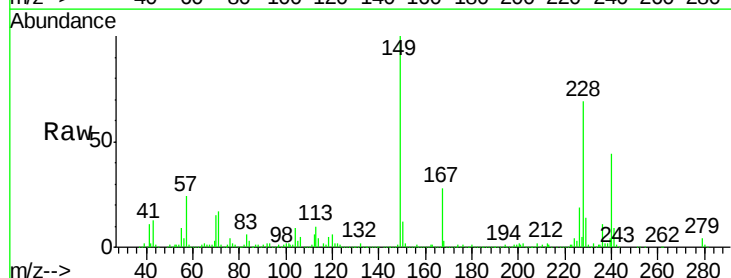
Manual Integrations
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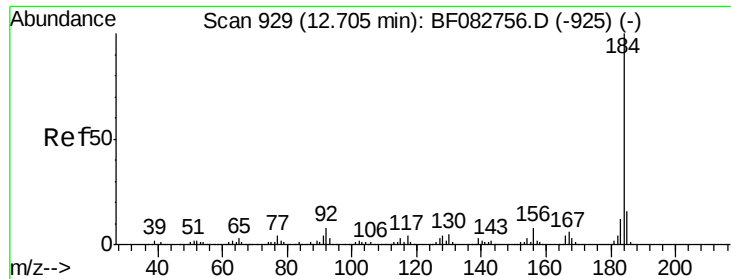
Mmdadoda
 11/9/2015 2:08:42 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	409803		
120	13.0	10.9	16.3	
236	25.6	21.6	32.4	





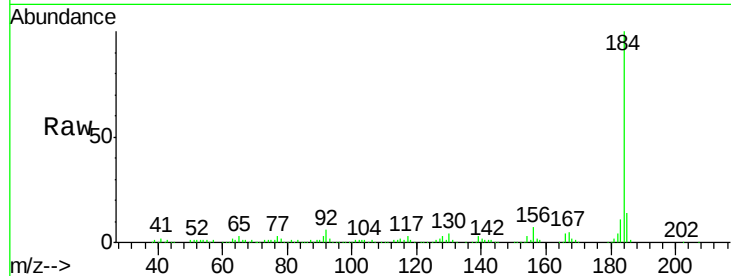
#76
Benzidine
Concen: 18.26 ng
RT: 12.71 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITMSD

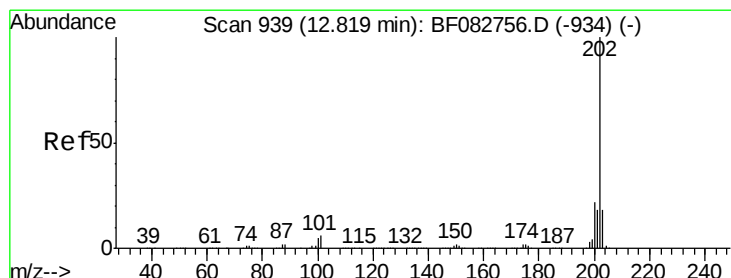
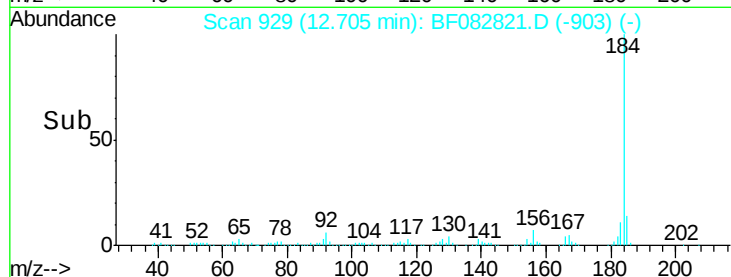
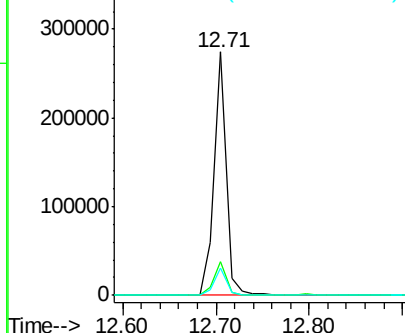
Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	13.8	12.0	18.0	
183	11.4	9.6	14.4	

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11/9/2015 2:08:42 PM

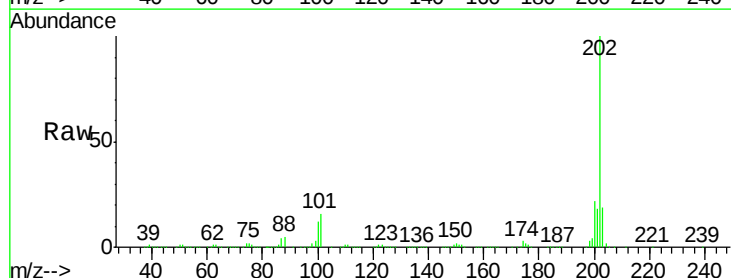


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

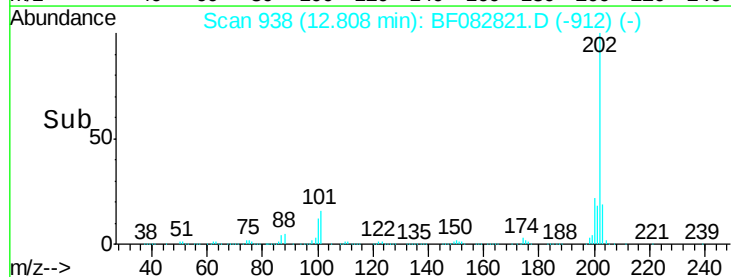
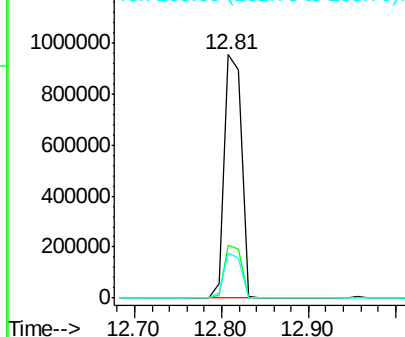


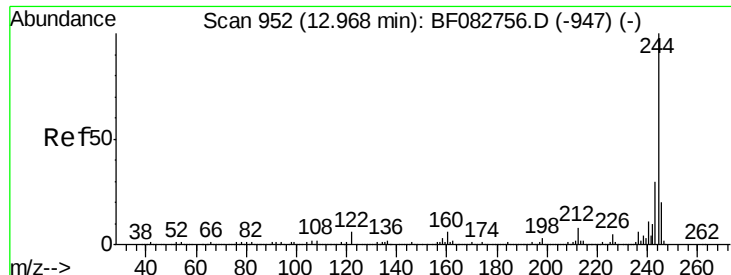
#77
Pyrene
Concen: 46.90 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	18.7	28.1	
203	18.7	14.8	22.2	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.22 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITEMSD

Tot Ion:244 Resp: 1541619

Ion Ratio Lower Upper

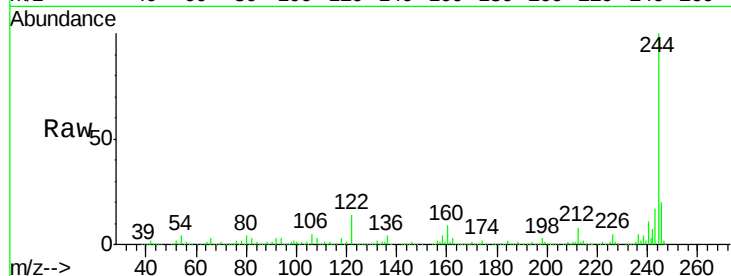
244 100

212 8.3 7.6 11.4

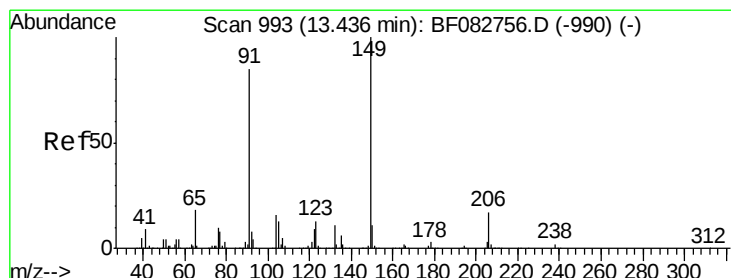
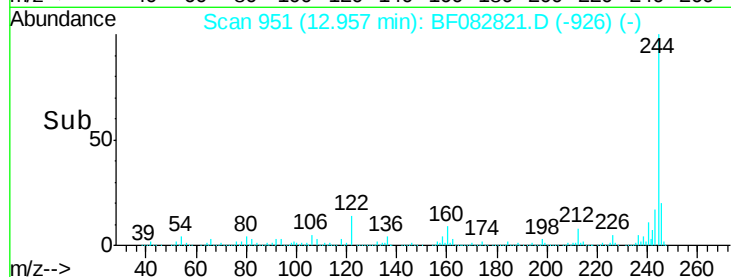
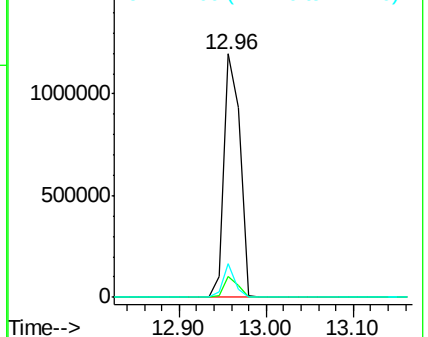
122 13.6 11.3 16.9

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11/9/2015 2:08:42 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 48.25 ng

RT: 13.44 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

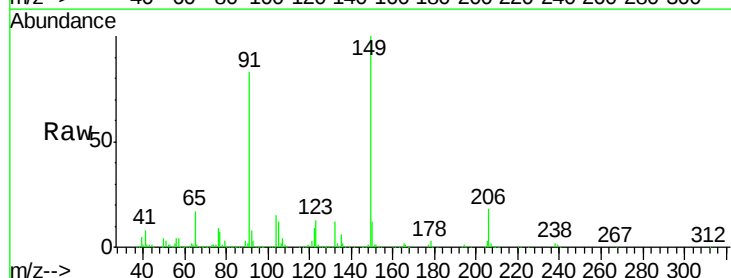
Tgt Ion:149 Resp: 599935

Ion Ratio Lower Upper

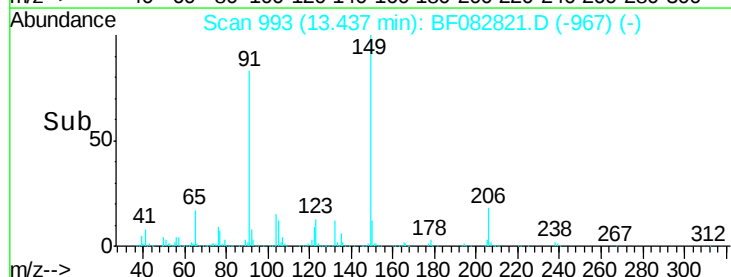
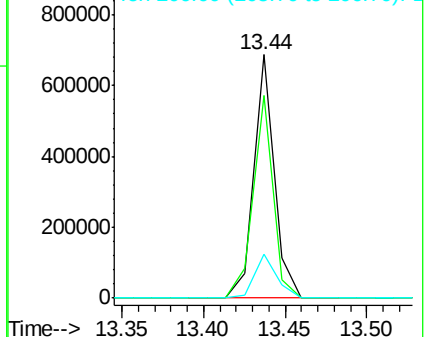
149 100

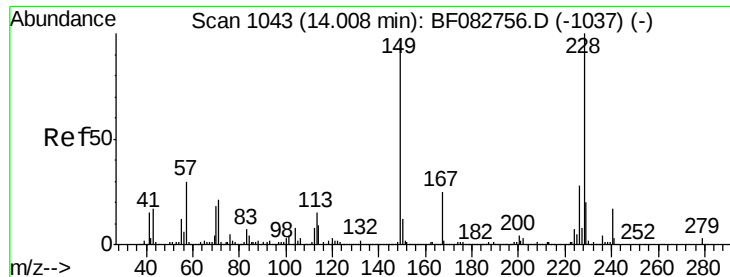
91 83.3 67.7 101.5

206 17.9 14.6 22.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E





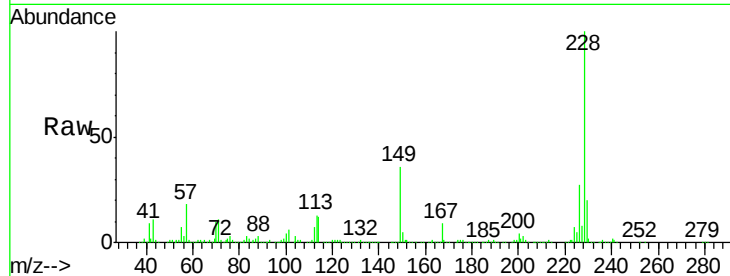
#80
Benzo(a)anthracene
Concen: 43.35 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

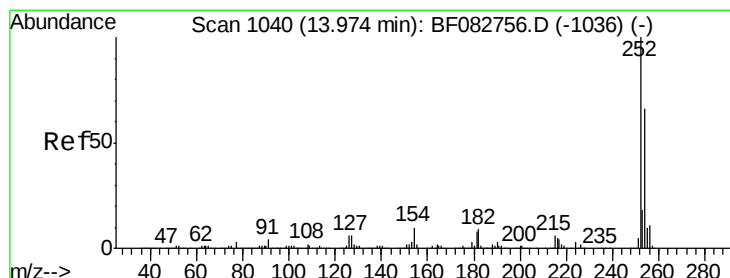
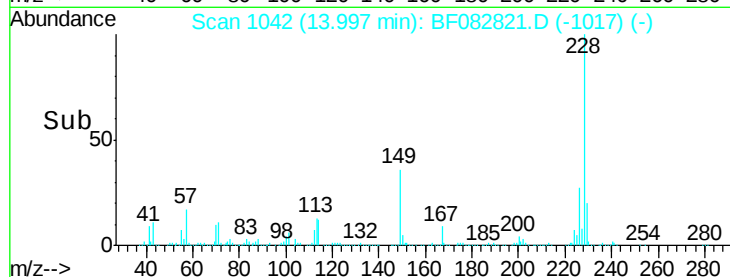
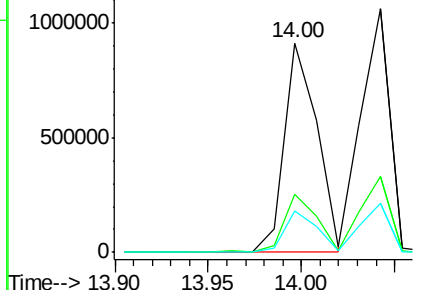
Tot Ion:228 Resp: 1110978
Ion Ratio Lower Upper
228 100
226 27.5 23.4 35.2
229 19.7 16.3 24.5

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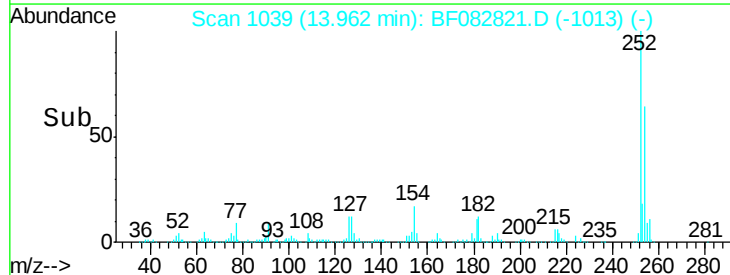
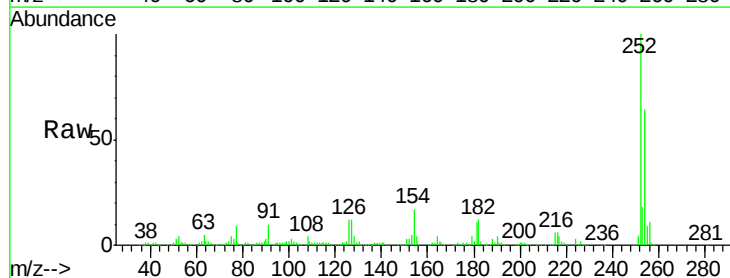
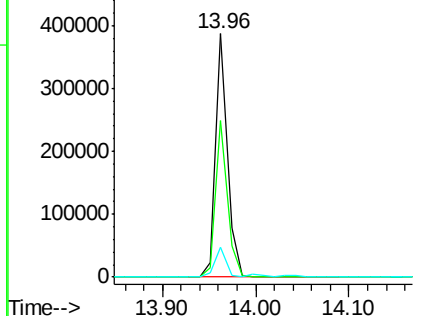
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

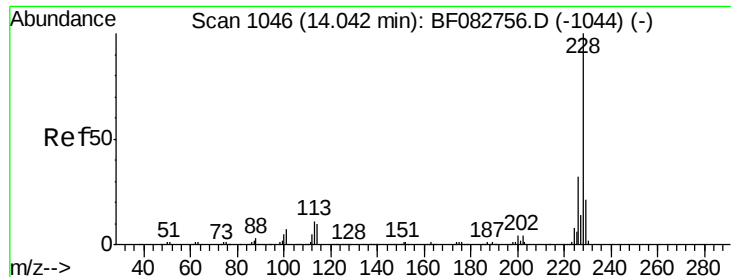


#81
3,3'-Dichlorobenzidine
Concen: 37.24 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion:252 Resp: 339229
Ion Ratio Lower Upper
252 100
254 64.2 51.4 77.0
126 12.1 10.7 16.1

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





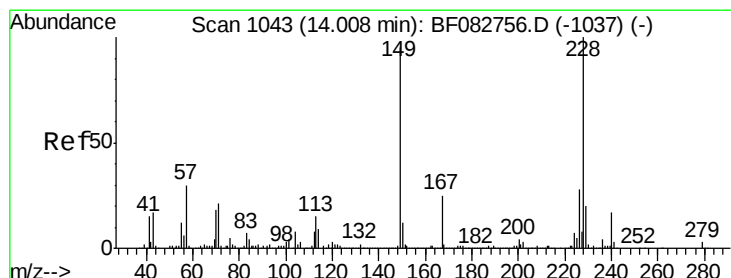
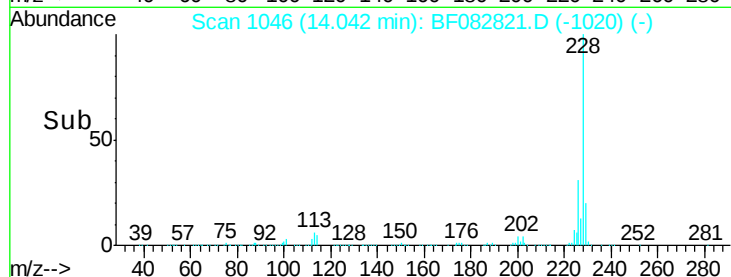
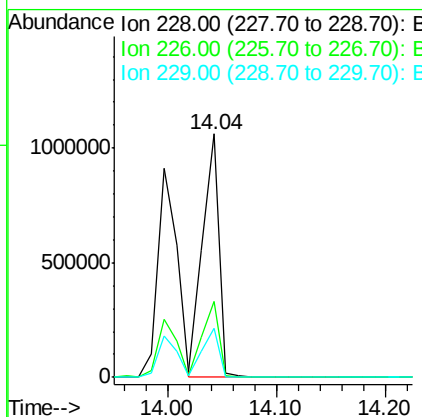
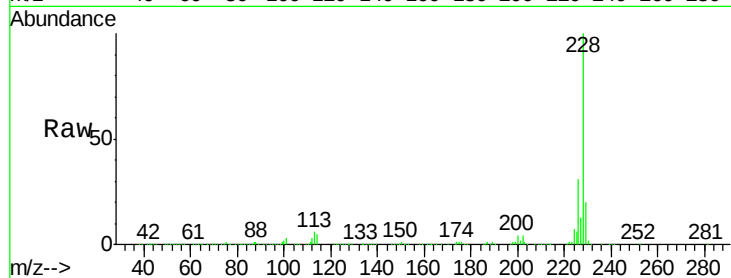
#82
 Chrvsene
 Concen: 48.32 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DRUM1-31COMPOSITMSD

Tot Ion:228 Resp: 1134167
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.5 38.3
 229 20.0 16.3 24.5

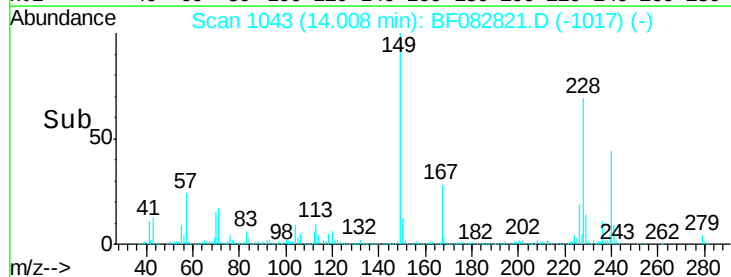
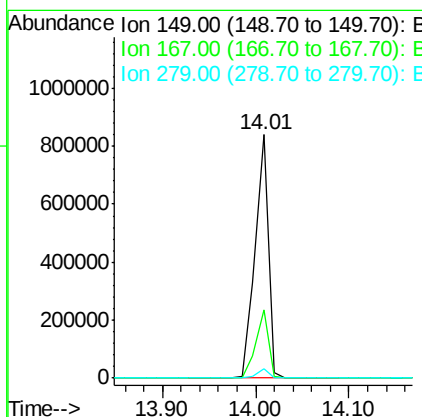
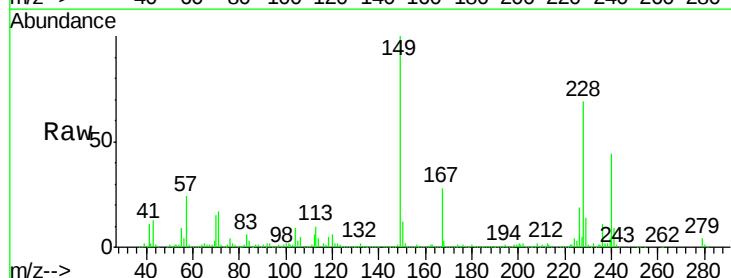
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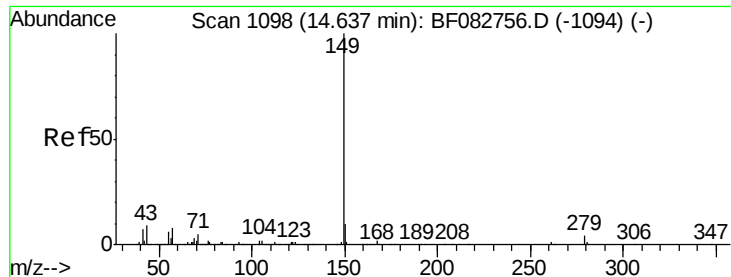
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 11/9/2015 2:08:42 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.60 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF082821.D
 Acq: 8 Nov 2015 4:32

Tgt Ion:149 Resp: 826966
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.2 31.8
 279 4.1 2.2 3.2#





#84

Di-n-octyl phthalate

Concen: 47.06 ng

RT: 14.61 min Scan# 1096

Delta R.T. -0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DRUM1-31COMPOSITE.MSD

Tot Ion:149 Resp: 1335876

Ion Ratio Lower Upper

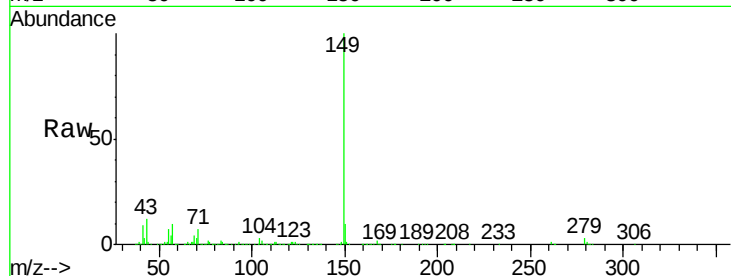
149 100

167 1.6 1.3 1.9

43 11.9 10.1 15.1

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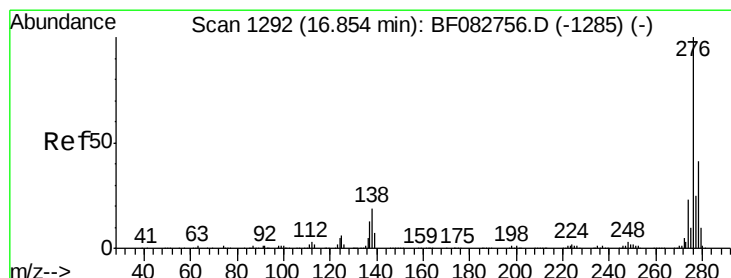
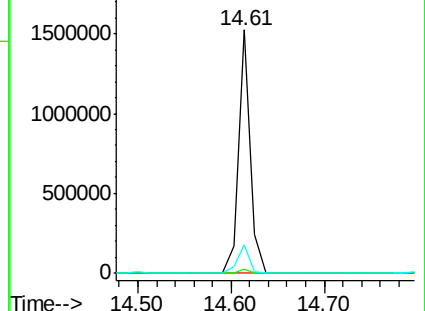
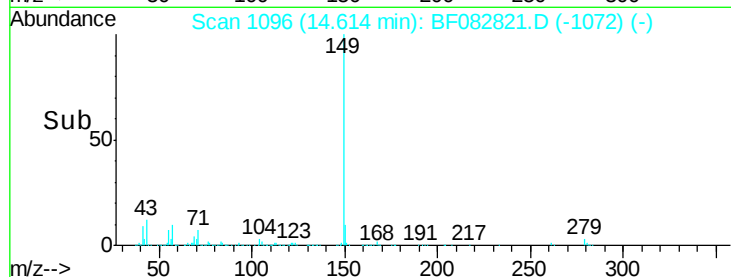
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 49.94 ng

RT: 16.83 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

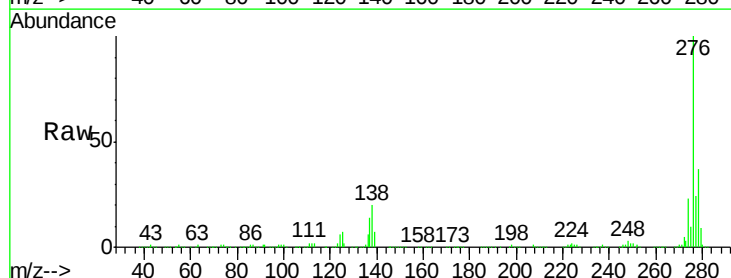
Tgt Ion:276 Resp: 1009565

Ion Ratio Lower Upper

276 100

138 21.3 15.3 22.9

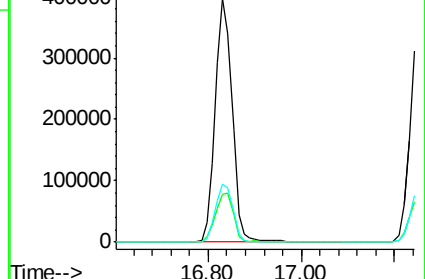
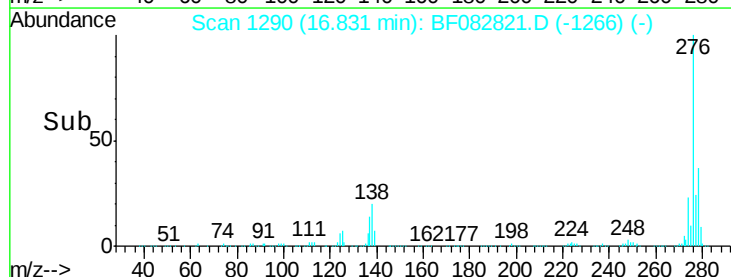
277 24.8 20.2 30.4

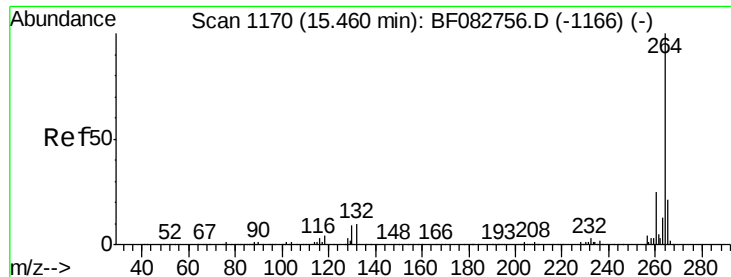


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BF082821.D

Acq: 8 Nov 2015 4:32

Instrument :

BNA_F

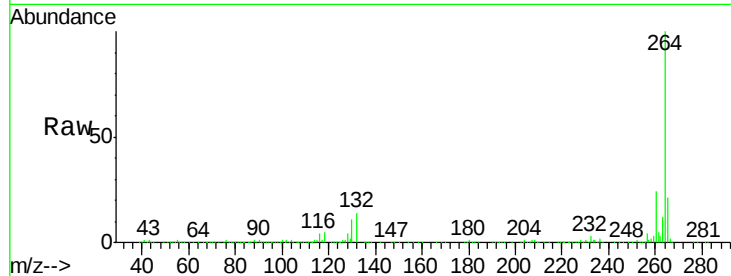
ClientSampleId :

DRUM1-31COMPOSITMSD

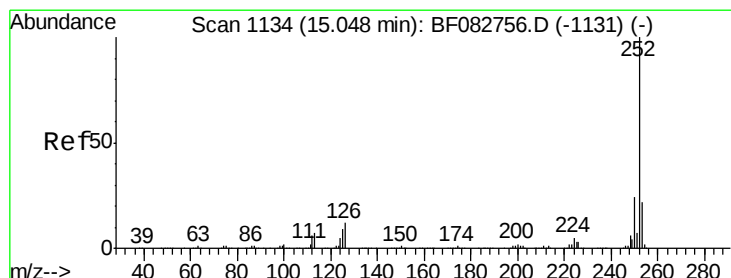
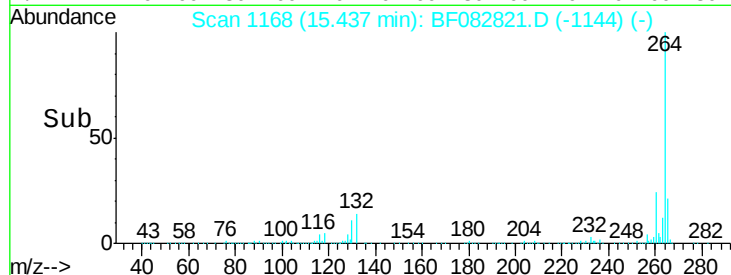
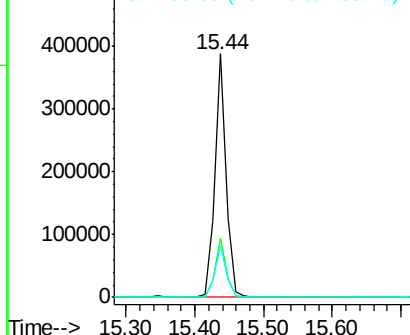
Tot Ion:	264	Resp:	450411
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.8	29.6
265	21.1	17.4	26.0

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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: 41.53 ng m

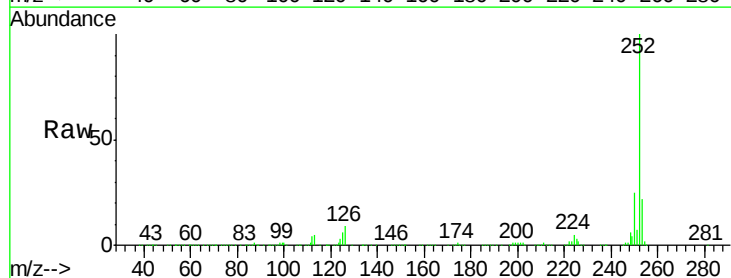
RT: 15.04 min Scan# 1133

Delta R.T. -0.01 min

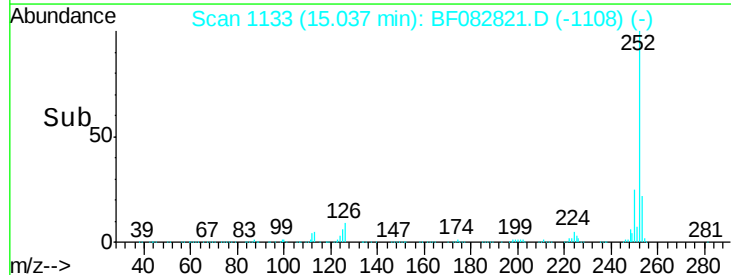
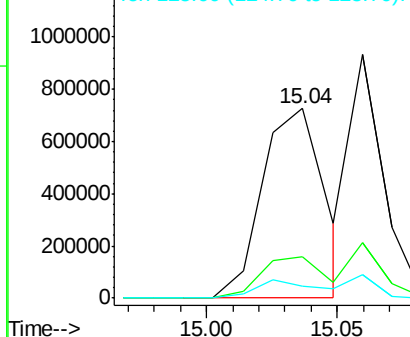
Lab File: BF082821.D

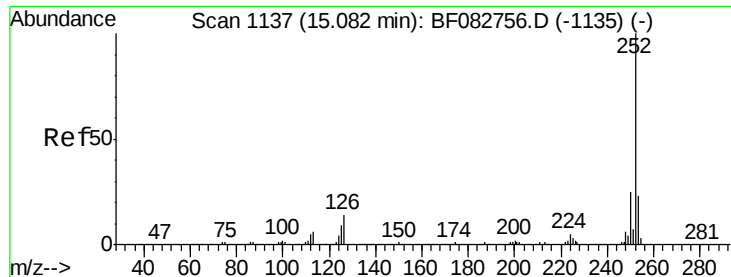
Acq: 8 Nov 2015 4:32

Tgt Ion:	252	Resp:	1200589
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	6.3	5.4	8.2



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





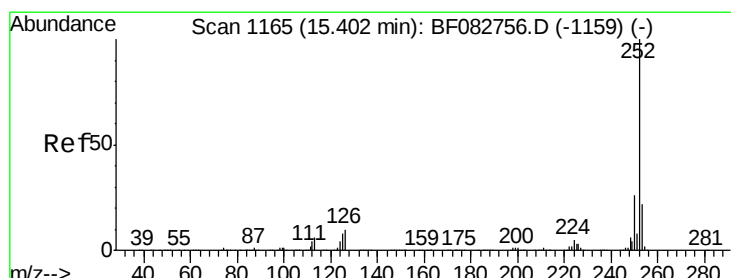
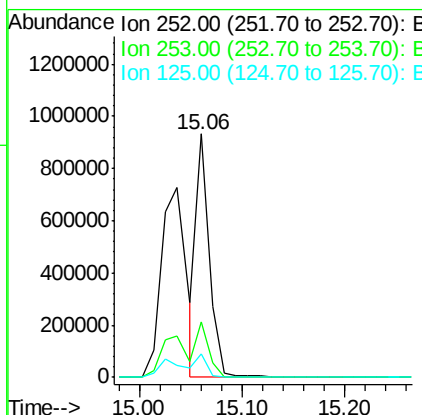
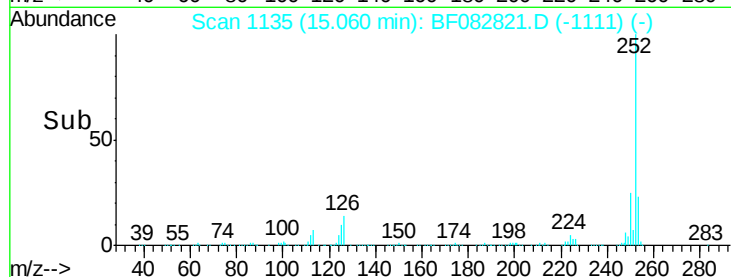
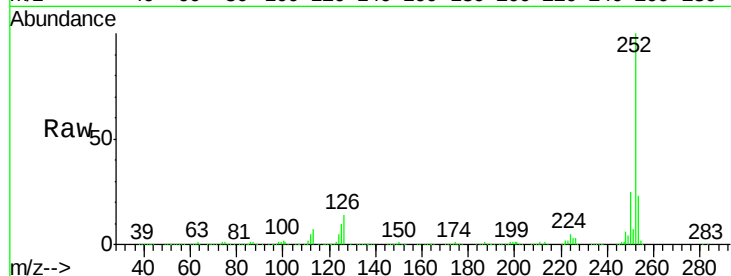
#88
Benzo(k)fluoranthene
Concen: 33.49 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.7	3.5	5.3

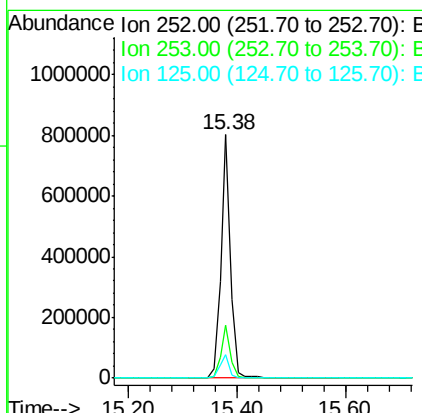
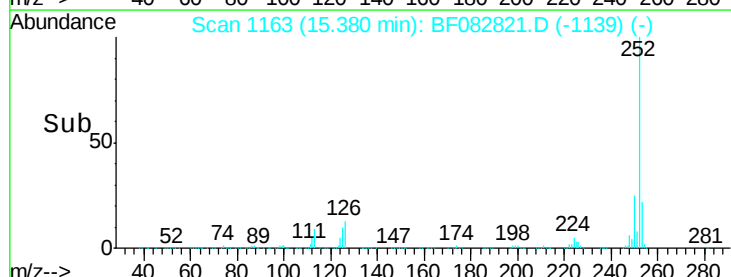
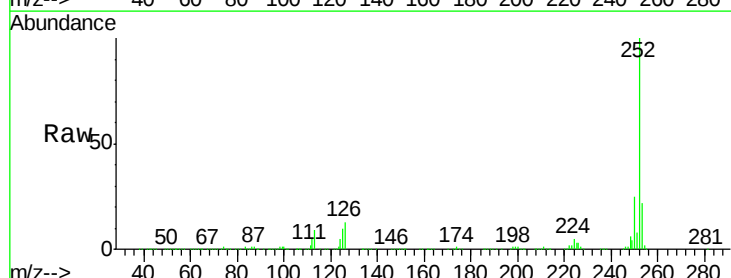
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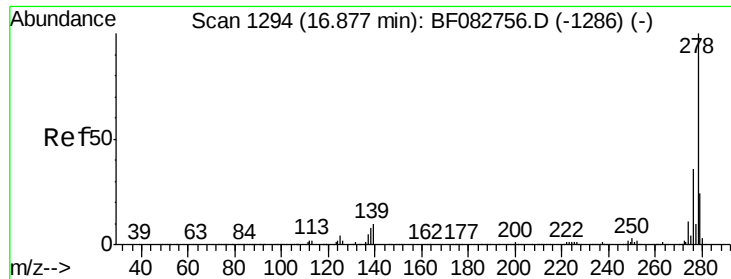
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#89
Benzo(a)pyrene
Concen: 39.71 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.8	7.1	10.7





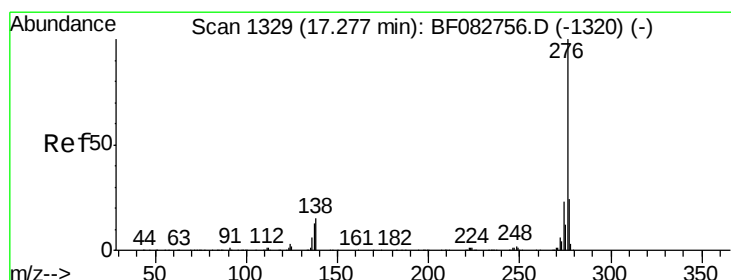
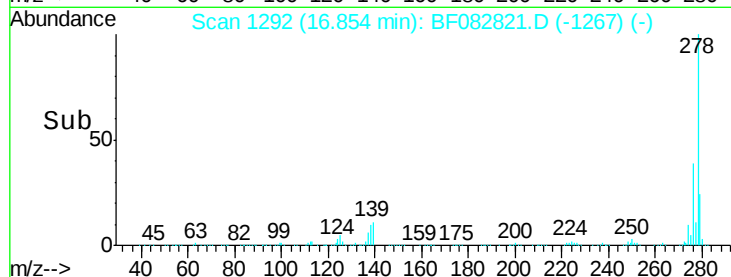
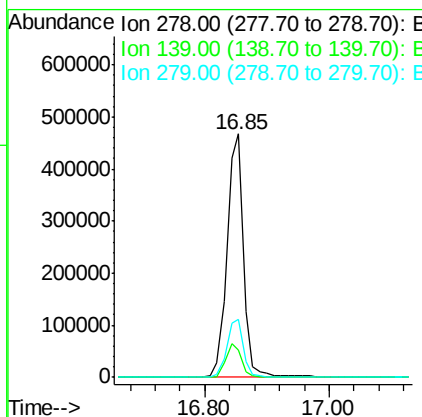
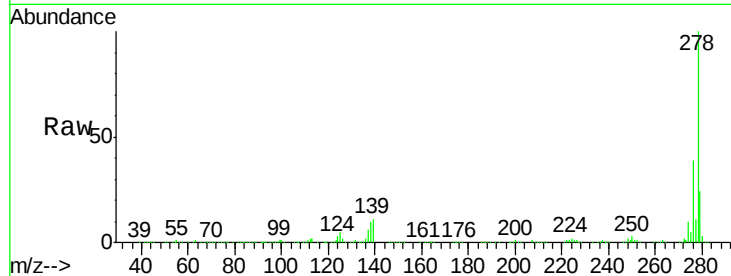
#90
Dibenzo(a,h)anthracene
Concen: 40.61 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DRUM1-31COMPOSITEMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.0	9.9	14.9
279	24.0	19.6	29.4

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11/9/2015 2:08:42 PM



#91
Benzo(g,h,i)perylene
Concen: 39.05 ng
RT: 17.25 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF082821.D
Acq: 8 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	17.5	13.1	19.7

