

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073015\
 Data File : BF080718.D
 Acq On : 31 Jul 2015 4:32
 Operator : TP/UM
 Sample : G3077-11MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Manual Integrations
 APPROVED

MMDadoda
 7/31/2015 11:22:56 AM

Quant Time: Jul 31 06:57:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	158830	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	594927	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	314520	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	575450	20.00	ng	0.00
75) Chrysene-d12	14.00	240	341370	20.00	ng	0.00
86) Perylene-d12	15.41	264	287562	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1158845	125.16	ng	0.03
7) Phenol-d6	6.49	99	1356066	107.58	ng	0.00
23) Nitrobenzene-d5	7.42	82	1165986	94.91	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	470317	144.11	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1839460	87.25	ng	0.00
78) Terphenyl-d14	12.96	244	1746724	96.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	177583	38.89	ng	# 80
3) Pyridine	3.37	79	428382	33.82	ng	99
4) n-Nitrosodimethylamine	3.30	42	298757	41.26	ng	99
6) Aniline	6.52	93	220755	12.17	ng	96
8) 2-Chlorophenol	6.65	128	427738	41.22	ng	# 81
9) Benzaldehyde	6.40	77	93571	10.07	ng	83
10) Phenol	6.50	94	510179	34.98	ng	95
11) bis(2-Chloroethyl)ether	6.59	93	437003	41.94	ng	99
12) 1,3-Dichlorobenzene	6.80	146	455015	39.38	ng	100
13) 1,4-Dichlorobenzene	6.88	146	474343	40.25	ng	99
14) 1,2-Dichlorobenzene	7.02	146	429156	39.84	ng	98
15) Benzyl Alcohol	7.00	79	461890	44.12	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	968540	43.51	ng	99
17) 2-Methylphenol	7.10	107	366304	43.00	ng	99
18) Hexachloroethane	7.37	117	176896	40.21	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	376689	44.38	ng	# 97
20) 3+4-Methylphenols	7.26	107	454705	43.26	ng	91
22) Acetophenone	7.26	105	603307	42.01	ng	# 95
24) Nitrobenzene	7.44	77	509774	41.42	ng	98
25) Isophorone	7.68	82	959136	43.90	ng	99
26) 2-Nitrophenol	7.76	139	239769m	47.99	ng	
27) 2,4-Dimethylphenol	7.79	122	392085m	41.77	ng	
28) bis(2-Chloroethoxy)methane	7.89	93	610658	47.18	ng	99
29) 2,4-Dichlorophenol	8.00	162	389220	46.65	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	374816	41.20	ng	98
31) Naphthalene	8.16	128	1169657	39.39	ng	100
32) Benzoic acid	7.89	122	181916m	27.77	ng	
33) 4-Chloroaniline	8.20	127	103721	8.28	ng	# 89
34) Hexachlorobutadiene	8.28	225	253067	43.08	ng	98
35) Caprolactam	8.58	113	99988m	40.02	ng	
36) 4-Chloro-3-methylphenol	8.69	107	434781	48.34	ng	90
37) 2-Methylnaphthalene	8.85	142	871183	46.74	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	353733	35.81	ng	99
40) Hexachlorocyclopentadiene	9.01	237	481827	79.29	ng	98

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	286888m	41.75	ng	
43) 2,4,5-Trichlorophenol	9.17	196	290187m	42.58	ng	
45) 1,1'-Biphenyl	9.31	154	945498	39.21	ng	95
46) 2-Chloronaphthalene	9.33	162	780228	39.61	ng	# 90
47) 2-Nitroaniline	9.44	65	328357	42.84	ng	99
48) Acenaphthylene	9.76	152	1327032	42.37	ng	100
49) Dimethylphthalate	9.62	163	929180	41.92	ng	99
50) 2,6-Dinitrotoluene	9.68	165	205142	43.61	ng	98
51) Acenaphthene	9.93	154	856847	44.84	ng	99
52) 3-Nitroaniline	9.84	138	79420	14.63	ng	# 53
53) 2,4-Dinitrophenol	9.94	184	134234	53.58	ng	90
54) Dibenzofuran	10.10	168	1163773	45.54	ng	98
55) 4-Nitrophenol	10.00	139	260576	65.16	ng	# 54
56) 2,4-Dinitrotoluene	10.08	165	256036	41.51	ng	# 88
57) Fluorene	10.44	166	867448	43.73	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.21	232	237990	46.30	ng	95
59) Diethylphthalate	10.32	149	899105	42.08	ng	99
60) 4-Chlorophenyl-phenylether	10.43	204	381209	44.42	ng	97
61) 4-Nitroaniline	10.45	138	180728	36.88	ng	99
62) Azobenzene	10.59	77	1101942	47.61	ng	99
64) 4,6-Dinitro-2-methylphenol	10.48	198	110676	31.94	ng	96
65) n-Nitrosodiphenylamine	10.56	169	797415	42.27	ng	96
66) 4-Bromophenyl-phenylether	10.92	248	281644	47.41	ng	97
67) Hexachlorobenzene	10.98	284	281409	40.97	ng	97
68) Atrazine	11.08	200	281203	Below	Cal	93
69) Pentachlorophenol	11.17	266	312719	75.24	ng	99
70) Phenanthrene	11.39	178	1172156	40.43	ng	99
71) Anthracene	11.45	178	1281910	45.00	ng	100
72) Carbazole	11.60	167	992728	40.15	ng	99
73) Di-n-butylphthalate	11.94	149	1483438	48.38	ng	99
74) Fluoranthene	12.58	202	1283402	45.79	ng	99
76) Benzidine	12.69	184	215220	17.32	ng	100
77) Pyrene	12.81	202	1286757	48.60	ng	98
79) Butylbenzylphthalate	13.43	149	503347	45.80	ng	97
80) Benzo(a)anthracene	13.99	228	883762	43.05	ng	100
81) 3,3'-Dichlorobenzidine	13.95	252	103220	14.73	ng	# 96
82) Chrysene	14.03	228	843303	42.32	ng	99
83) Bis(2-ethylhexyl)phthalate	14.00	149	673939	51.13	ng	99
84) Di-n-octyl phthalate	14.60	149	1108935	50.18	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	686311	38.59	ng	# 87
87) Benzo(b)fluoranthene	15.01	252	782081m	45.53	ng	
88) Benzo(k)fluoranthene	15.04	252	640266m	45.29	ng	
89) Benzo(a)pyrene	15.36	252	658513	46.70	ng	98
90) Dibenzo(a,h)anthracene	16.81	278	582743	46.16	ng	# 97
91) Benzo(g,h,i)perylene	17.21	276	573923	46.20	ng	98

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

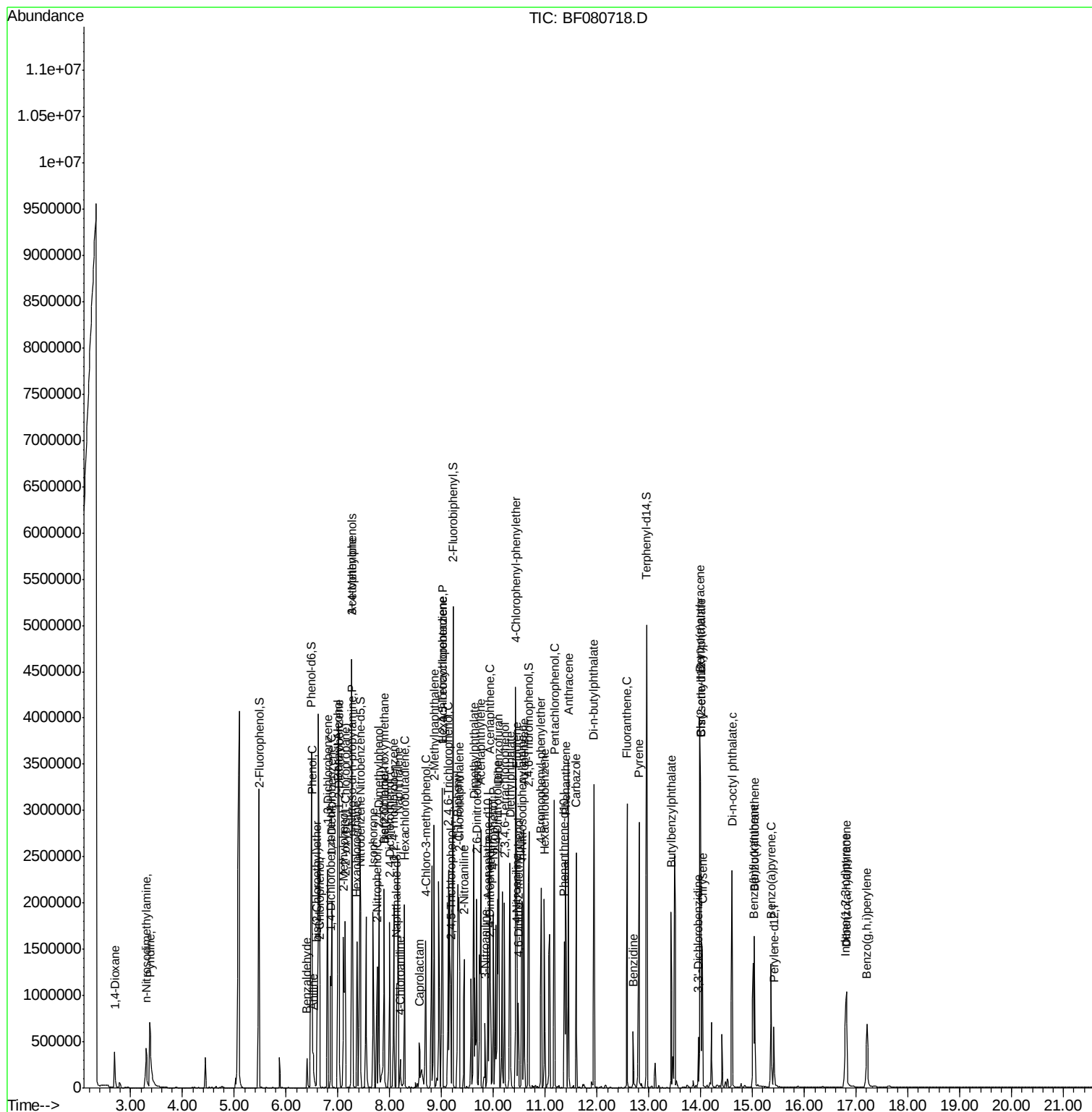
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Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073015\
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Acq On    : 31 Jul 2015    4:32
Operator  : TP/UM
Sample    : G3077-11MSD
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ALS Vial  : 17    Sample Multiplier: 1
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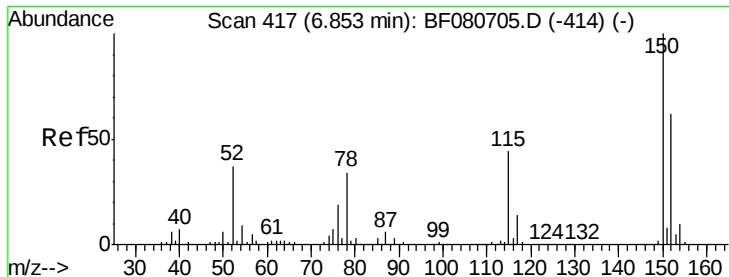
Instrument :
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Manual Integrations APPROVED

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#1

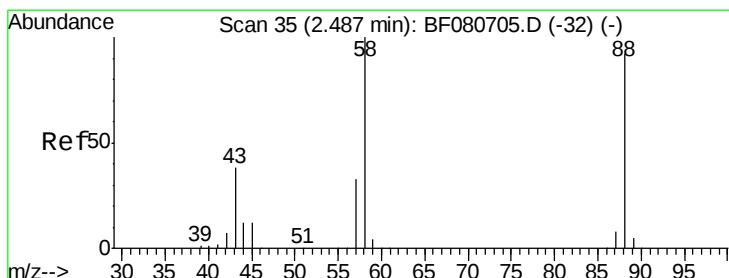
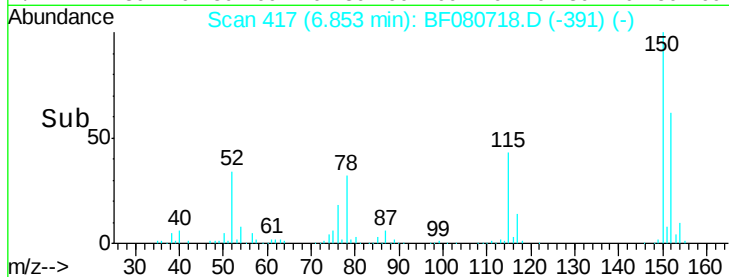
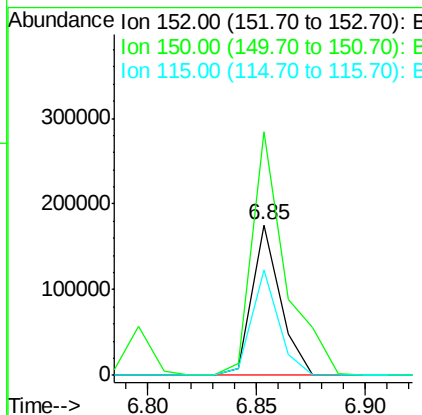
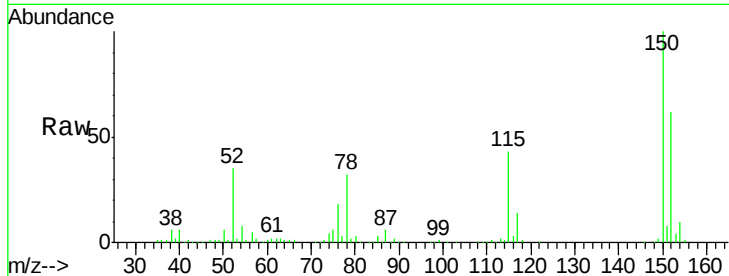
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	158830		
150	161.7	129.6	194.4	
115	69.9	56.6	85.0	

Manual Integrations
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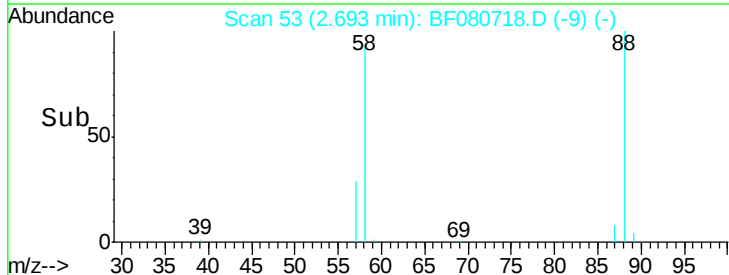
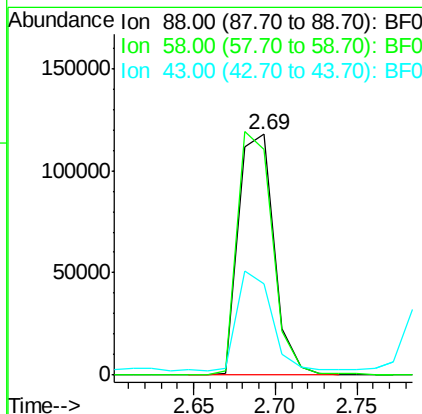
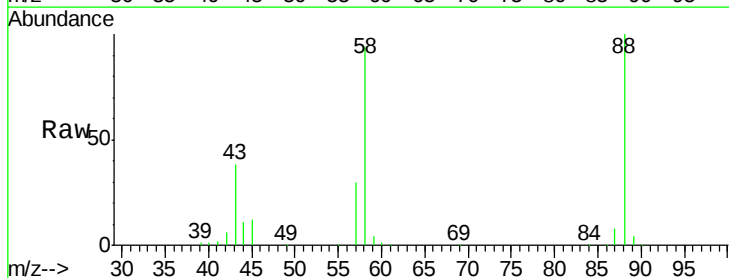
MMDadoda
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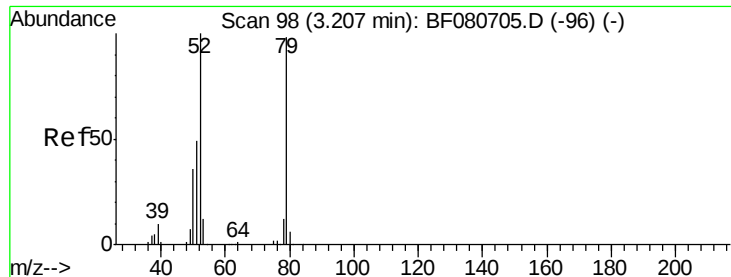


#2

1,4-Dioxane
Concen: 38.89 ng
RT: 2.69 min Scan# 53
Delta R.T. 0.21 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	177583		
58	100.1	82.3	123.5	
43	0.0	31.7	47.5	





#3

Pyridine

Concen: 33.82 ng

RT: 3.37 min Scan# 112

Delta R.T. 0.16 min

Lab File: BF080718.D

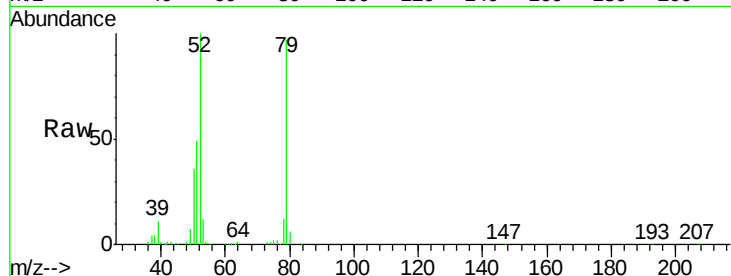
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

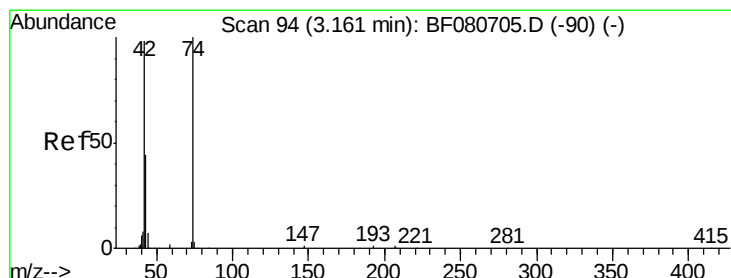
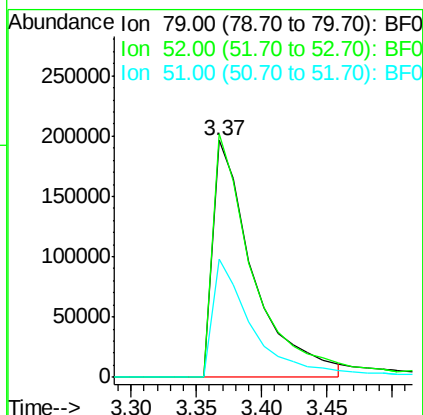
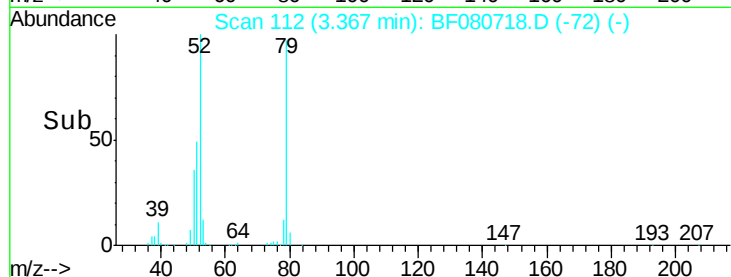
GRID-5-(6-12)MSD



Tgt Ion	Ratio	Lower	Upper
79	100		
52	102.7	81.6	122.4
51	50.0	40.2	60.2

Manual Integrations
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#4

n-Nitrosodimethylamine

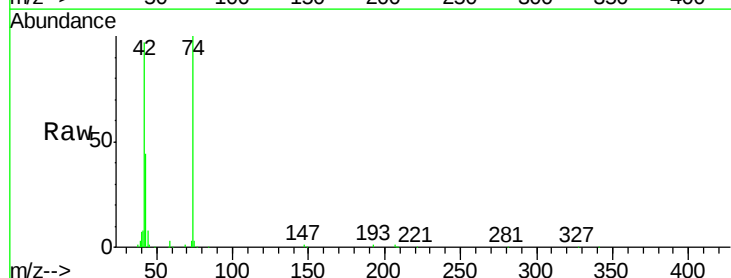
Concen: 41.26 ng

RT: 3.30 min Scan# 106

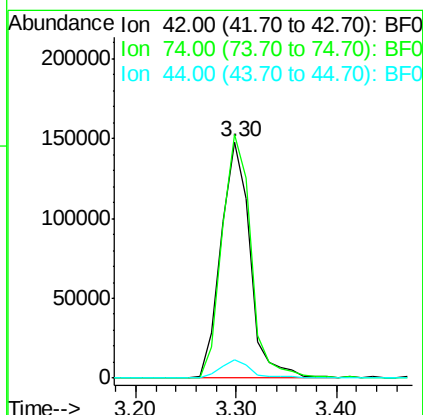
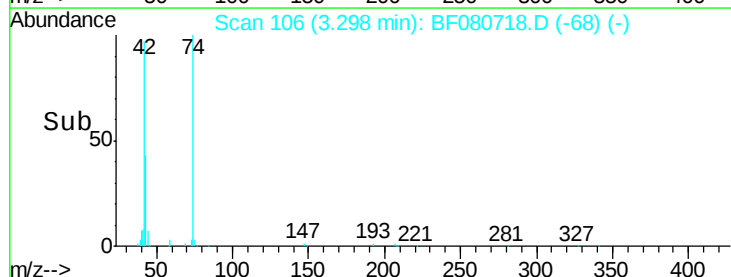
Delta R.T. 0.14 min

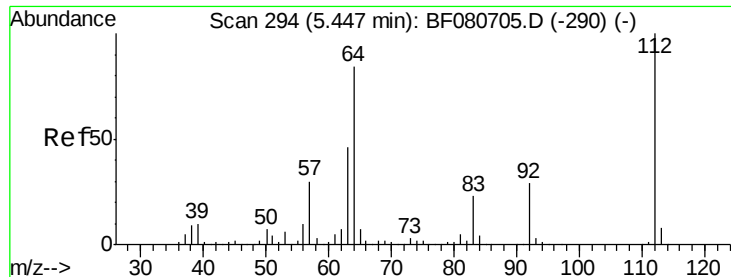
Lab File: BF080718.D

Acq: 31 Jul 2015 4:32



Tgt Ion	Ratio	Lower	Upper
42	100		
74	102.9	81.5	122.3
44	7.9	5.6	8.4





#5

2-Fluorophenol

Concen: 125.16 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.03 min

Lab File: BF080718.D

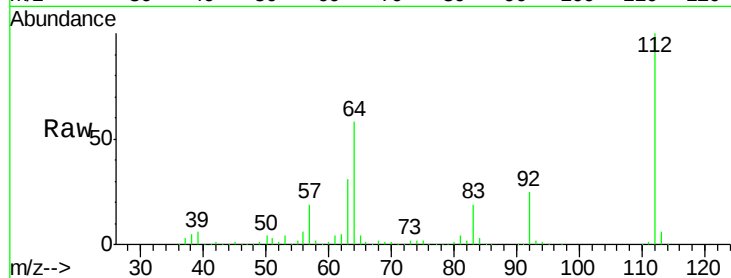
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD



Tgt Ion: 112 Resp: 1158845

Ion Ratio Lower Upper

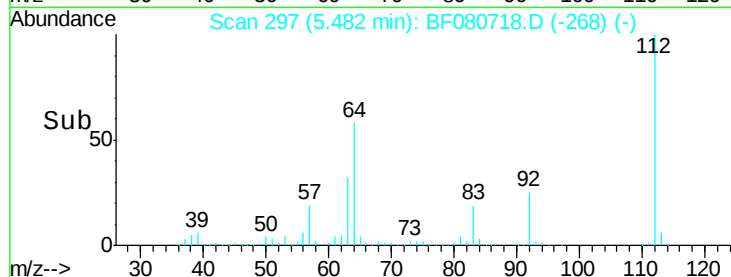
112 100

64 57.6 66.8 100.2#

63 31.5 36.7 55.1#

Manual Integrations
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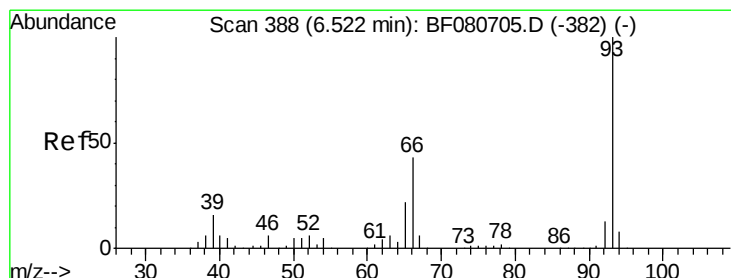
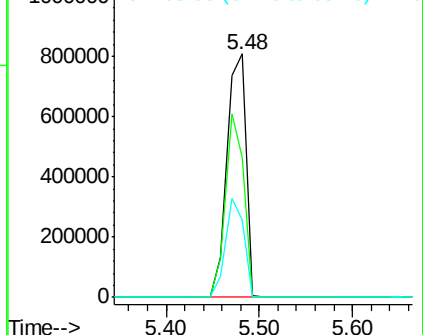
MMDadoda
7/31/2015 11:22:56 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 12.17 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

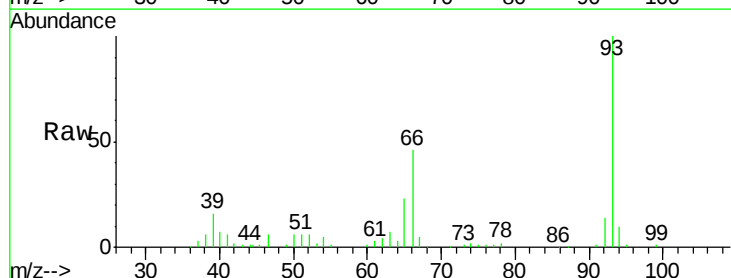
Tgt Ion: 93 Resp: 220755

Ion Ratio Lower Upper

93 100

66 45.7 34.3 51.5

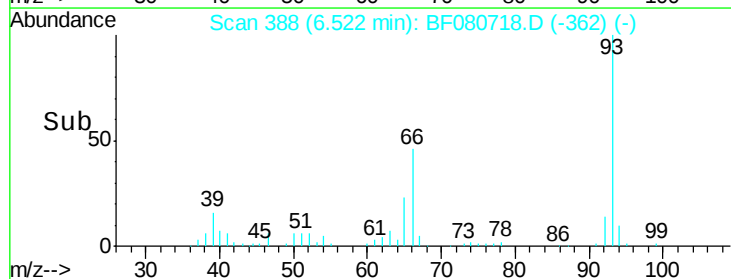
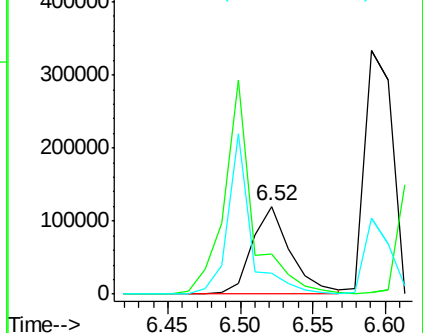
65 23.1 17.6 26.4

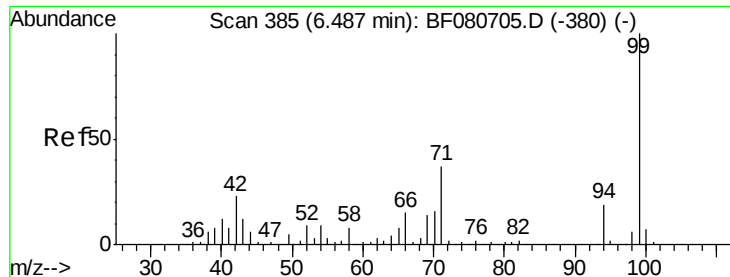


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 107.58 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD

Tgt Ion: 99 Resp: 1356066

Ion Ratio Lower Upper

99 100

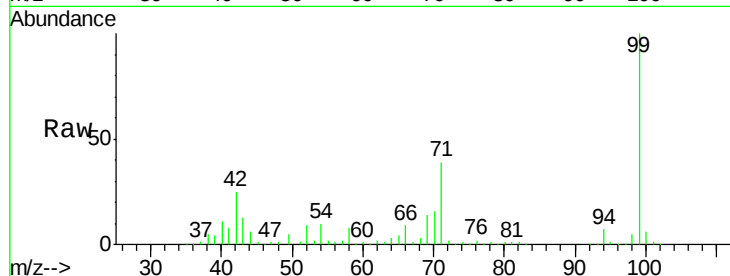
42 24.8 18.2 27.2

71 39.1 29.5 44.3

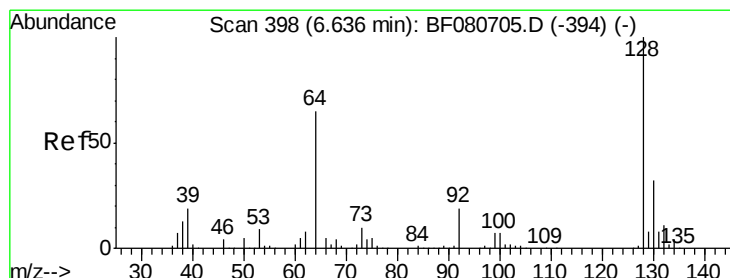
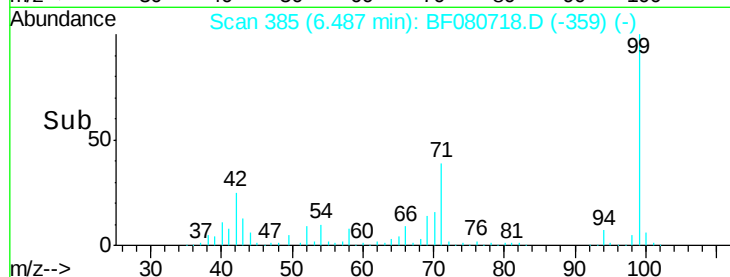
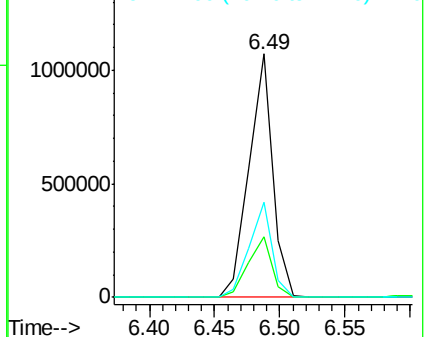
Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.22 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

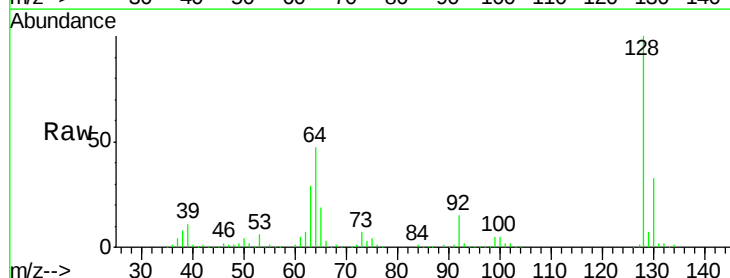
Tgt Ion: 128 Resp: 427738

Ion Ratio Lower Upper

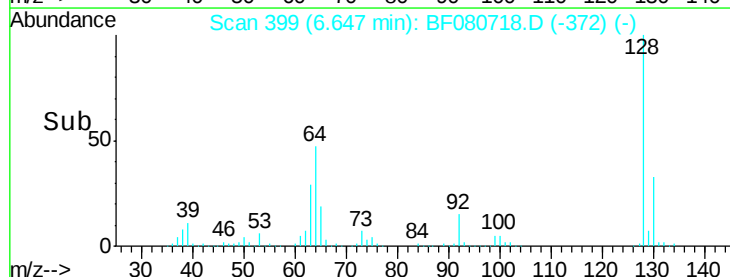
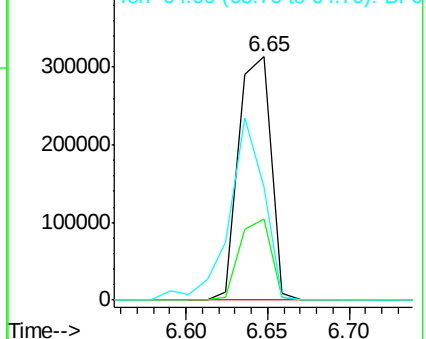
128 100

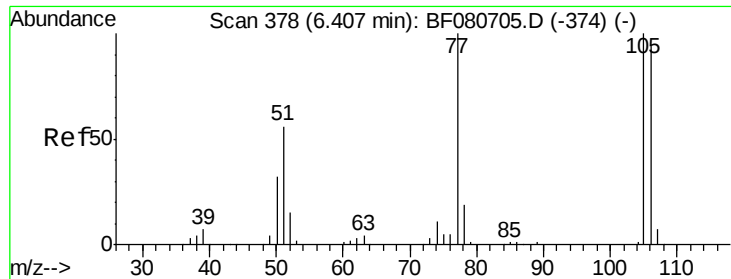
130 33.2 11.7 51.7

64 46.6 48.7 88.7#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.07 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF080718.D

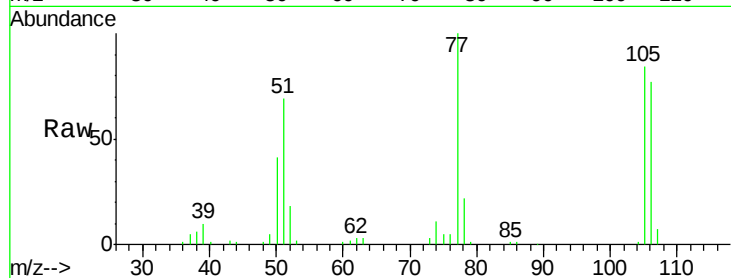
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Instrument :

BNA_F

ClientSampleId :

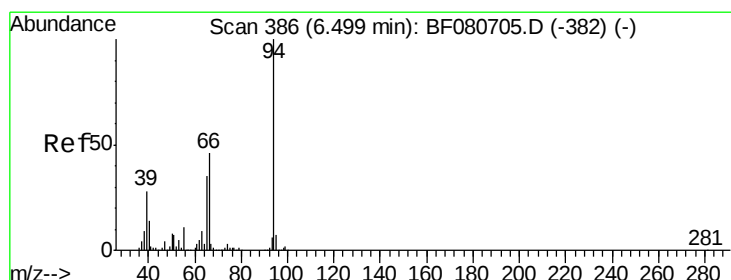
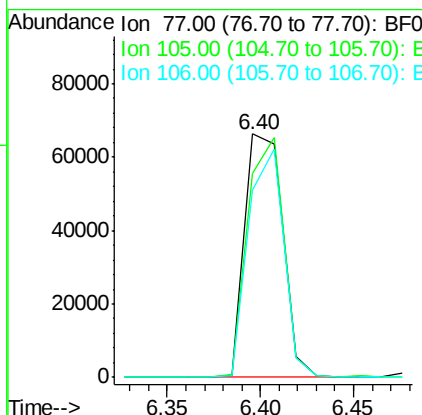
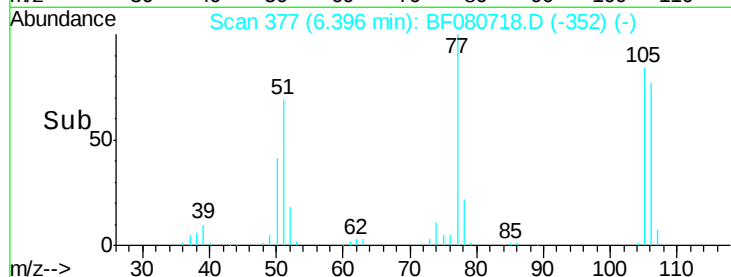
GRID-5-(6-12)MSD



Tgt Ion:	77	Resp:	93571
Ion Ratio	Lower	Upper	
77	100		
105	83.6	80.2	120.2
106	76.7	74.2	114.2

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#10

Phenol

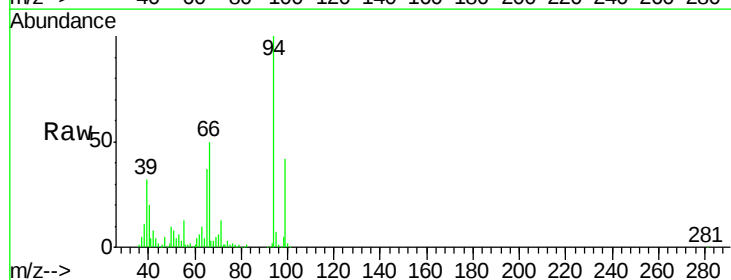
Concen: 34.98 ng

RT: 6.50 min Scan# 386

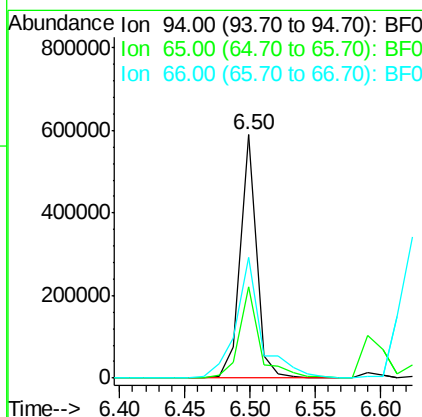
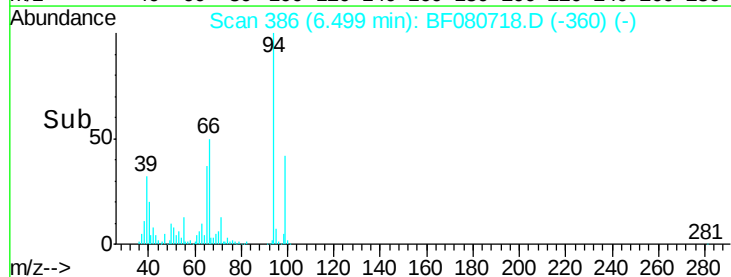
Delta R.T. 0.00 min

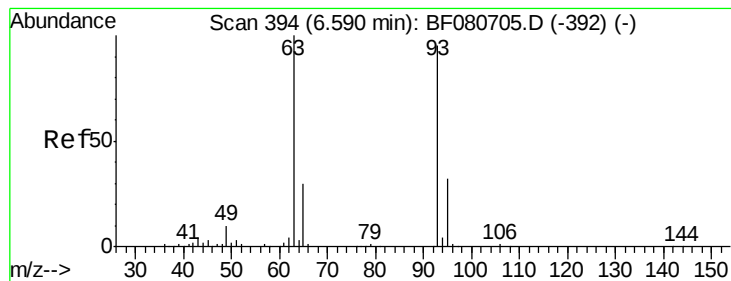
Lab File: BF080718.D

Acq: 31 Jul 2015 4:32



Tgt Ion:	94	Resp:	510179
Ion Ratio	Lower	Upper	
94	100		
65	37.3	14.7	54.7
66	49.8	25.9	65.9





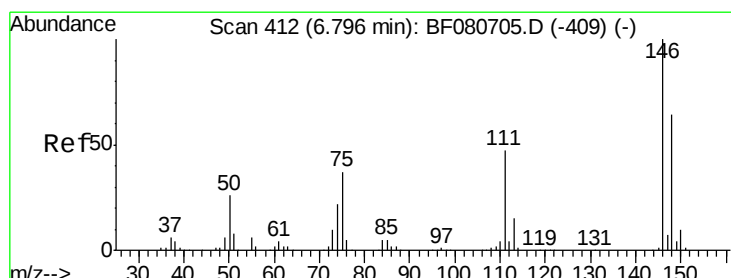
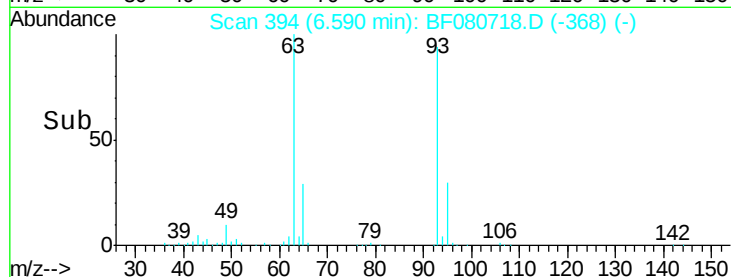
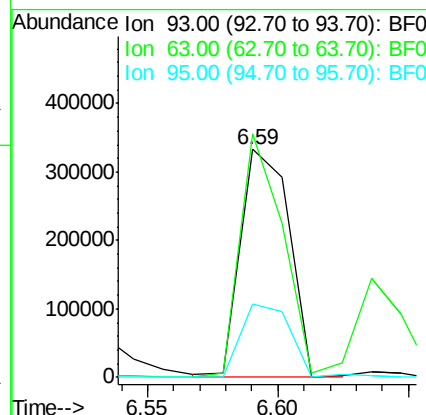
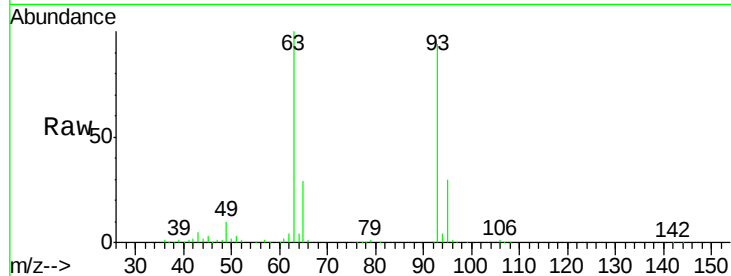
#11
bis(2-Chloroethyl)ether
Concen: 41.94 ng
RT: 6.59 min Scan# 394
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	106.8	85.3	125.3
95	32.3	13.3	53.3

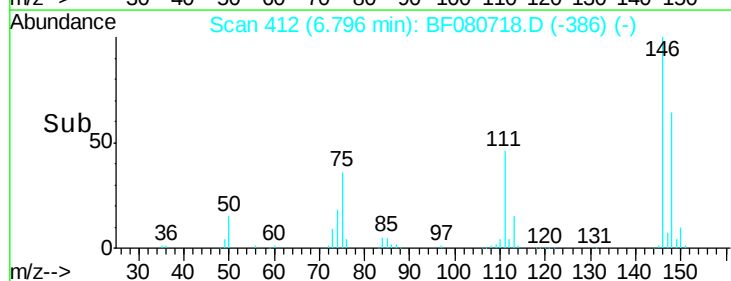
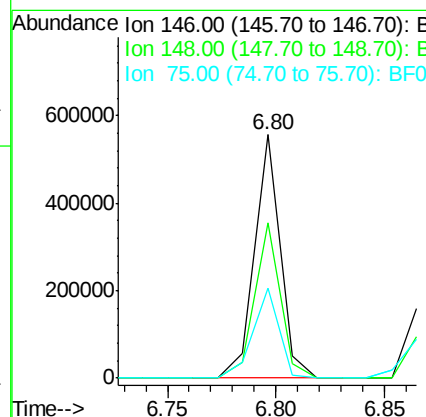
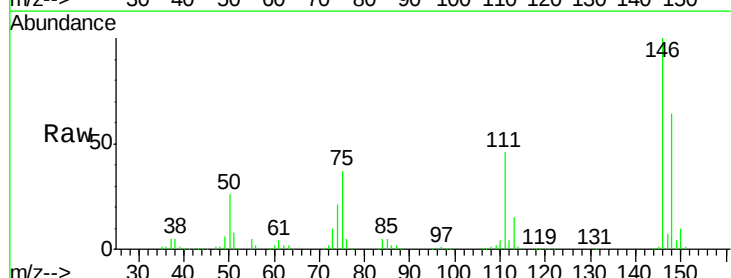
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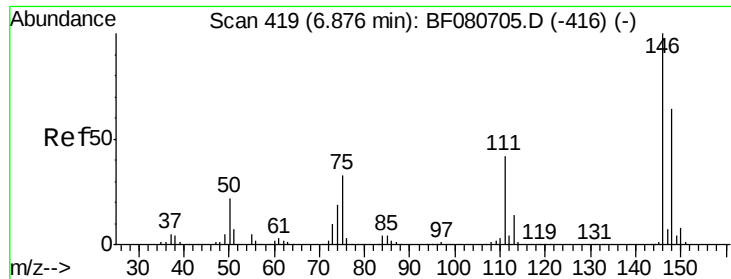
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#12
1,3-Dichlorobenzene
Concen: 39.38 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
75	37.0	29.4	44.0





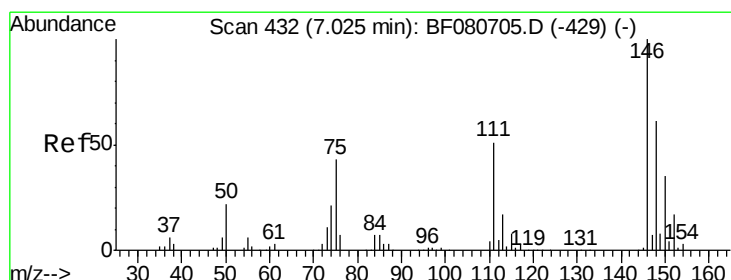
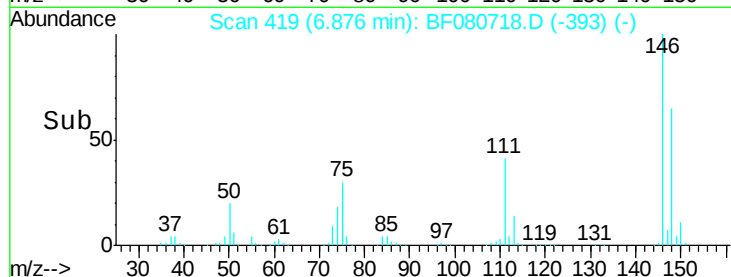
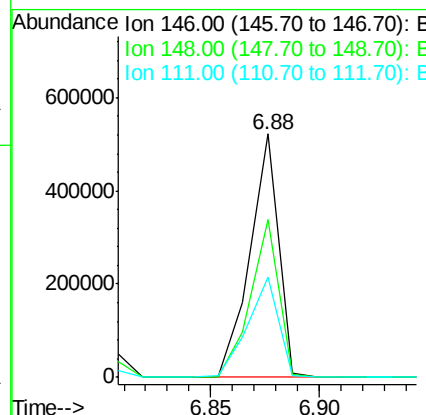
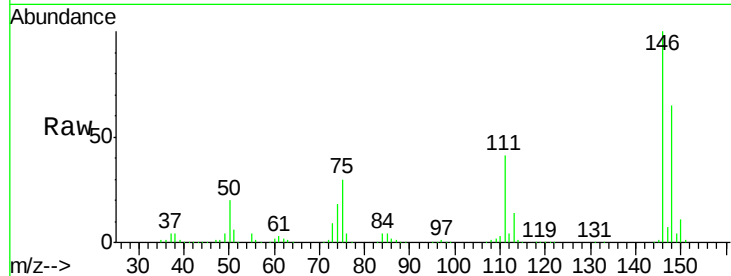
#13
 1,4-Dichlorobenzene
 Concen: 40.25 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.2
111	41.2	33.8	50.6

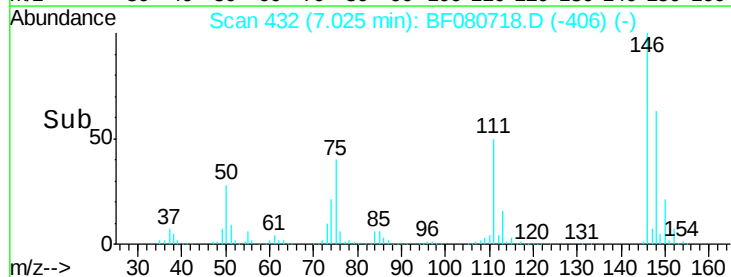
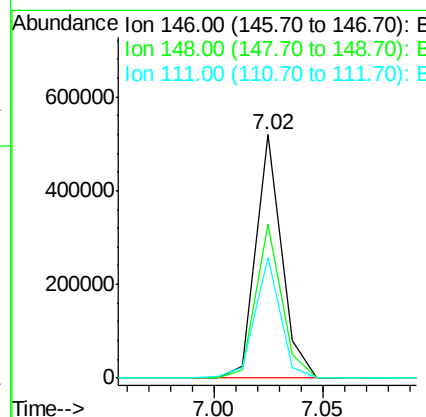
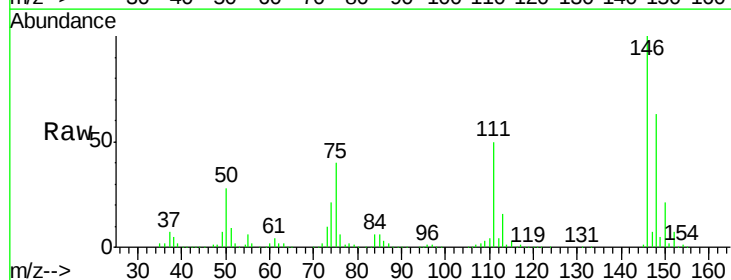
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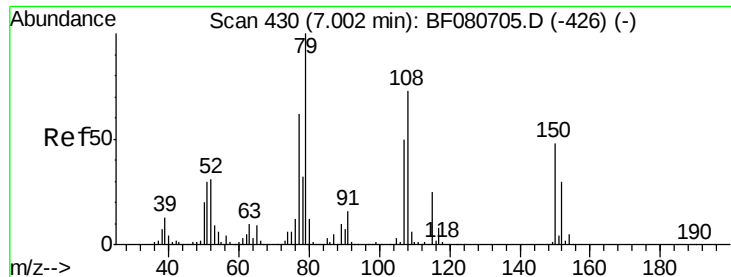
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#14
 1,2-Dichlorobenzene
 Concen: 39.84 ng
 RT: 7.02 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	49.2	73.8
111	49.6	41.0	61.4





#15

Benzyl Alcohol

Concen: 44.12 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

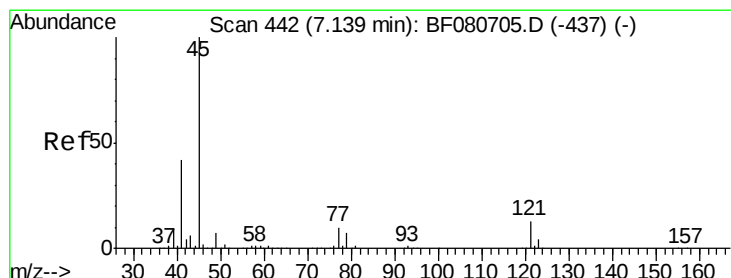
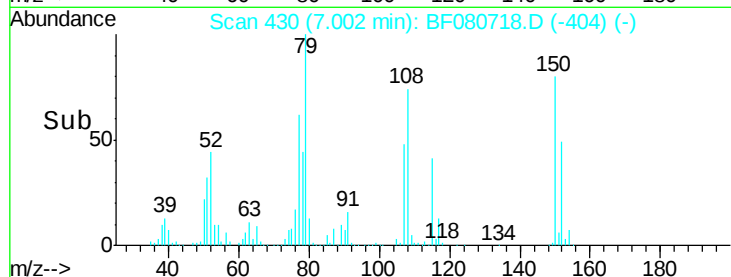
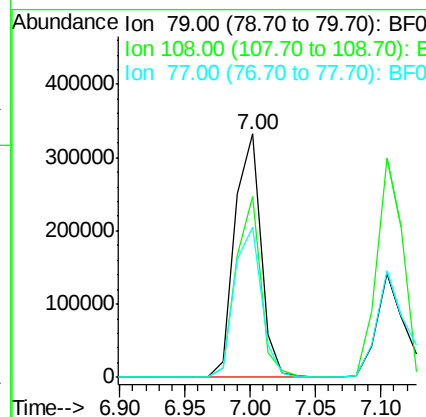
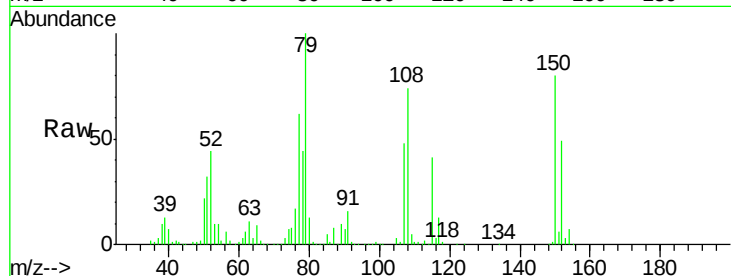
GRID-5-(6-12)MSD

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Tgt Ion:	79	Resp:	461890
Ion Ratio	Lower	Upper	
79	100		
108	74.1	58.7	88.1
77	61.6	49.8	74.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.51 ng

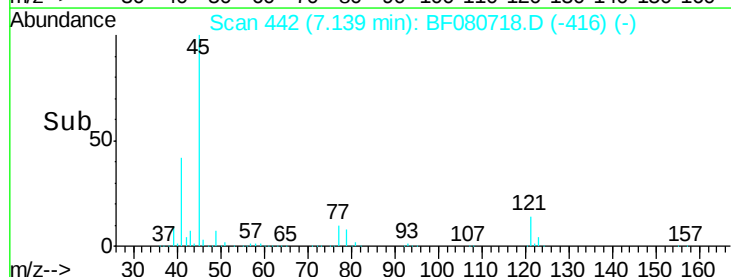
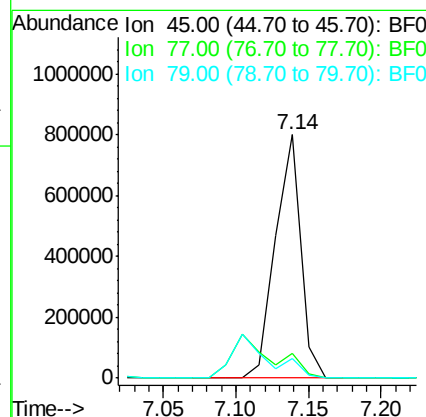
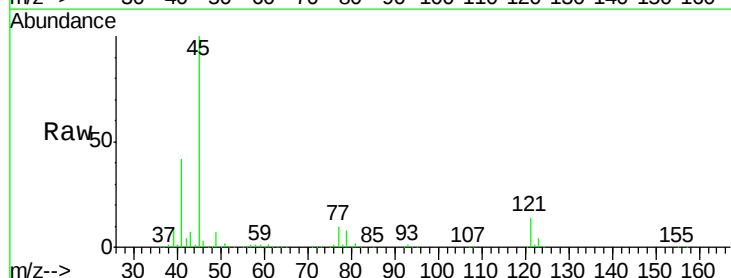
RT: 7.14 min Scan# 442

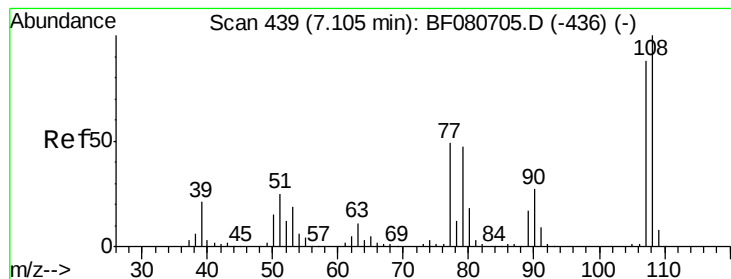
Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

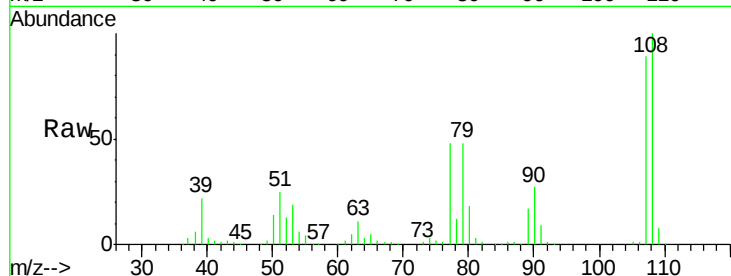
Tgt Ion:	45	Resp:	968540
Ion Ratio	Lower	Upper	
45	100		
77	10.1	0.0	29.9
79	8.0	0.0	27.4





#17
2-Methylphenol
Concen: 43.00 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

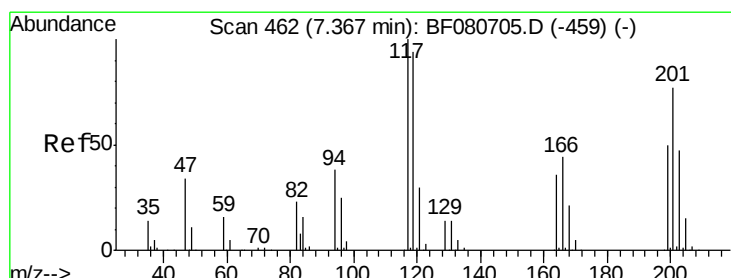
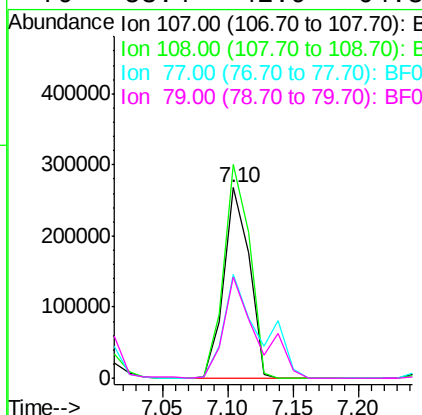
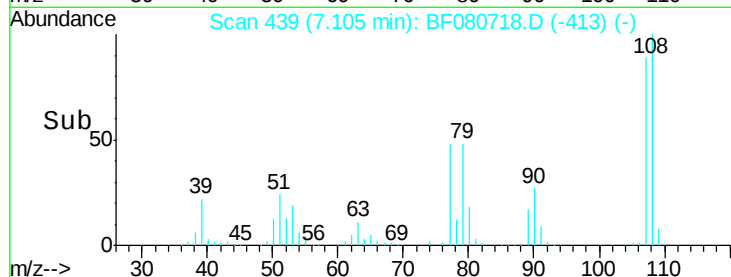
Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	366304		
108	112.2	90.8	136.2	
77	54.3	44.6	67.0	
79	53.4	42.9	64.3	

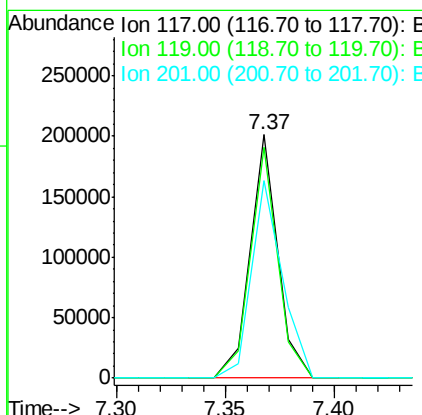
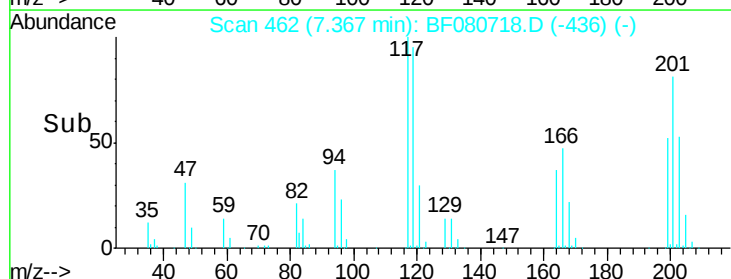
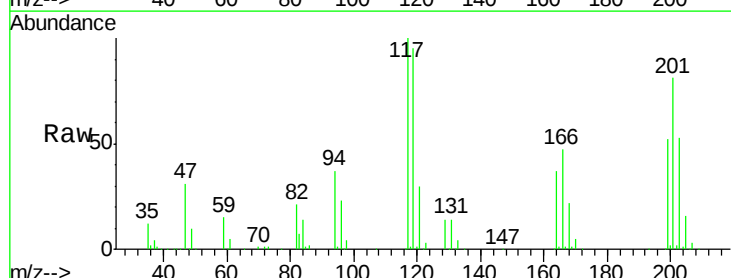
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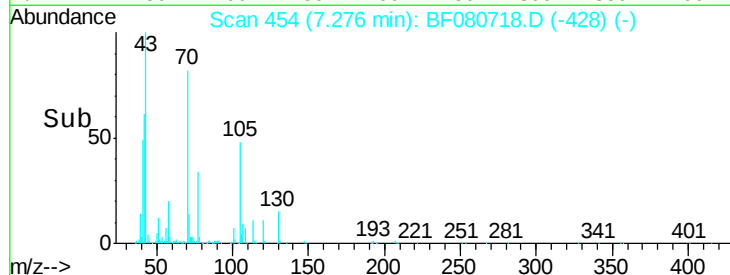
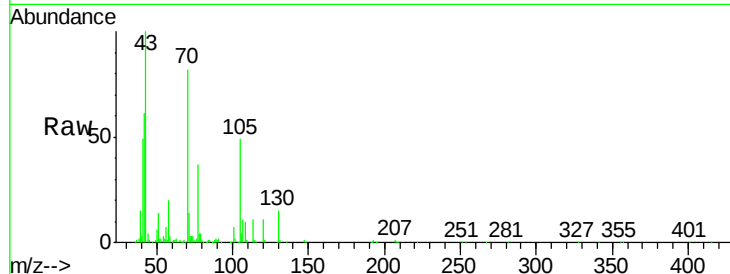
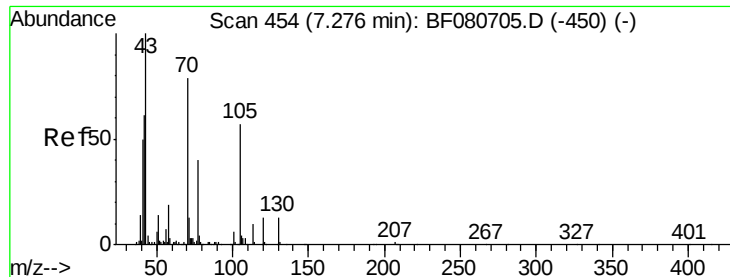
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#18
Hexachloroethane
Concen: 40.21 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	176896		
119	94.6	74.9	112.3	
201	81.2	61.5	92.3	





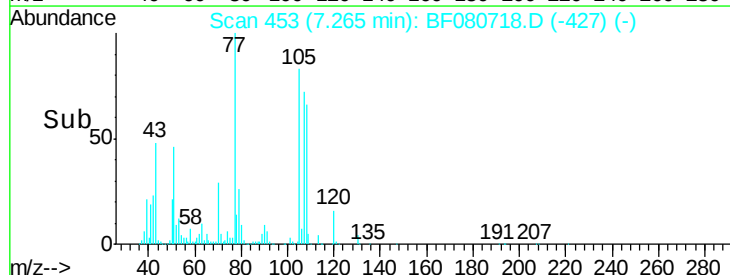
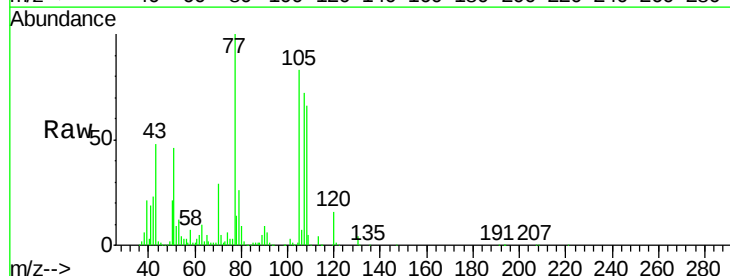
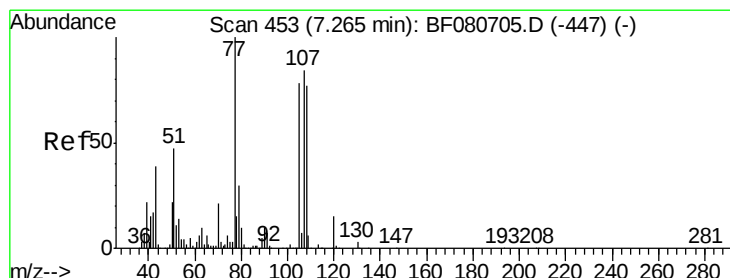
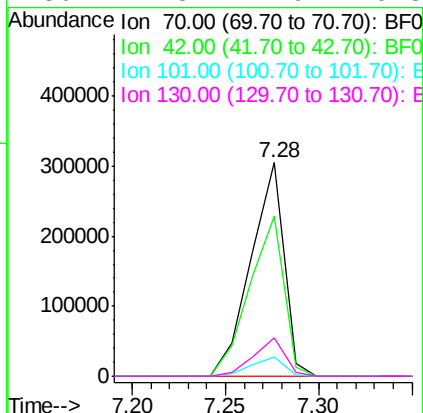
#19
n-Nitroso-di-n-propylamine
Concen: 44.38 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Manual Integrations
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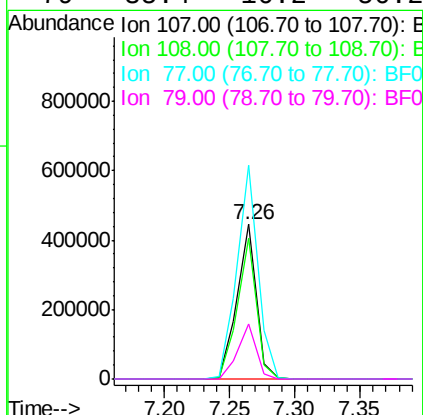
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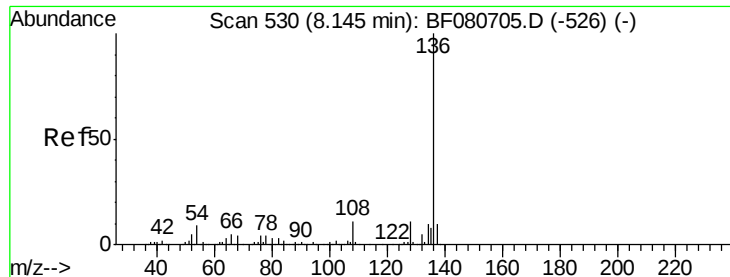
Tgt Ion	Ratio	Lower	Upper
70	100		
42	74.8	61.8	92.6
101	9.1	6.1	9.1#
130	17.8	12.9	19.3



#20
3+4-Methylphenols
Concen: 43.26 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.8	71.8	111.8
77	138.3	99.8	139.8
79	35.4	16.2	56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080718.D

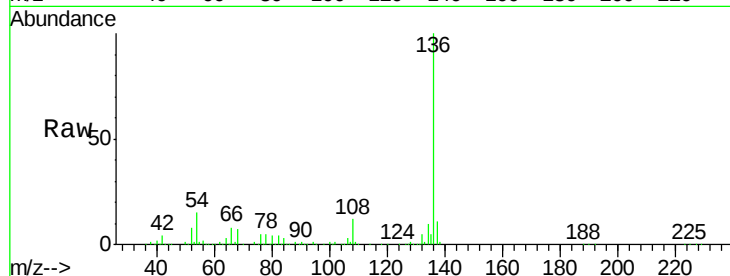
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD



Tgt Ion:136 Resp: 594927

Ion Ratio Lower Upper

136 100

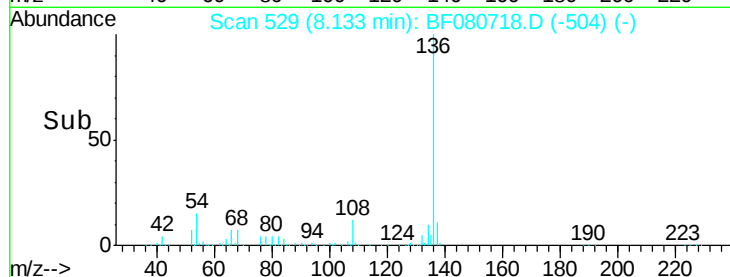
137 11.3 8.4 12.6

54 14.7 6.9 10.3#

68 7.1 3.5 5.3#

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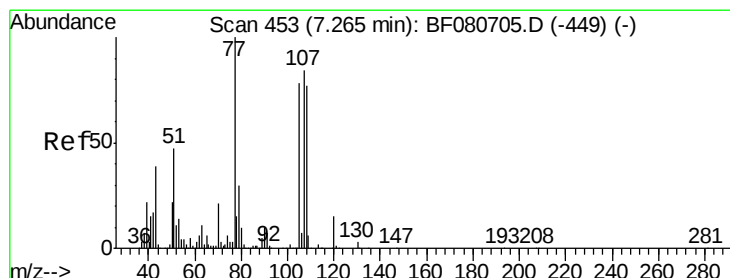
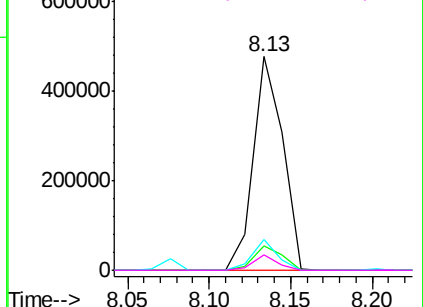


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 42.01 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion:105 Resp: 603307

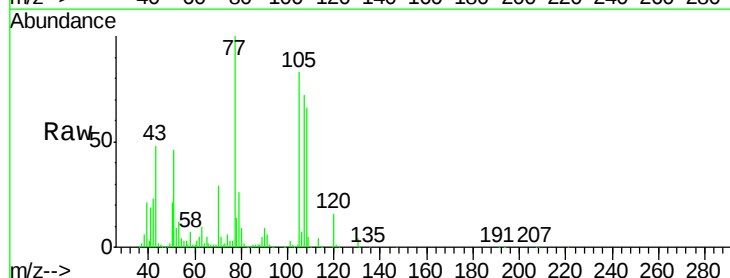
Ion Ratio Lower Upper

105 100

71 5.7 3.4 5.0#

51 54.7 47.9 71.9

120 19.2 15.0 22.6

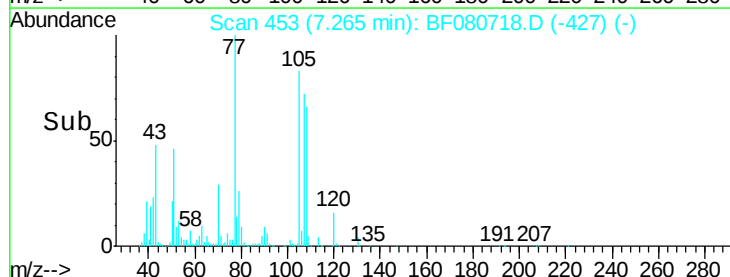
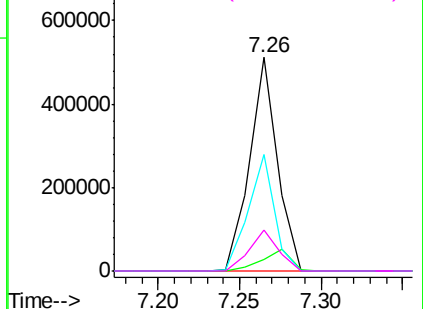


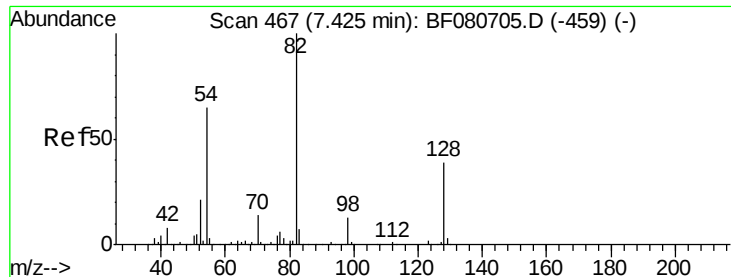
Abundance Ion 105.00 (104.70 to 105.70): E

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: 94.91 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

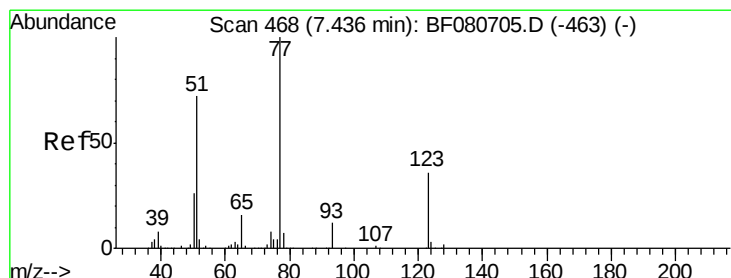
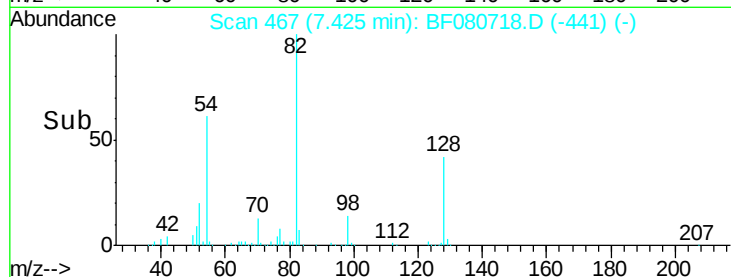
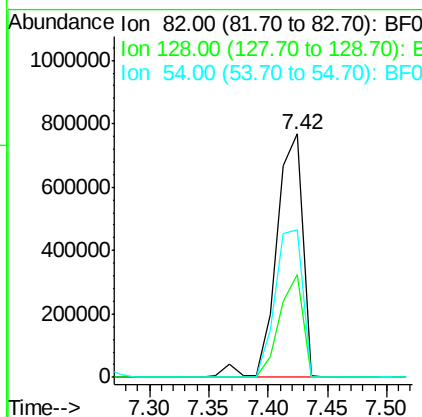
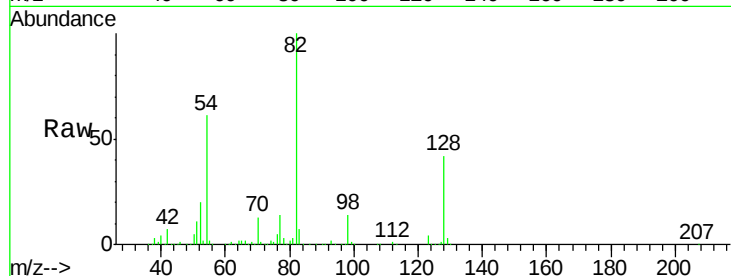
GRID-5-(6-12)MSD

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Tgt Ion:	82	Resp:	1165986
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.5	47.3
54	60.7	51.8	77.8



#24

Nitrobenzene

Concen: 41.42 ng

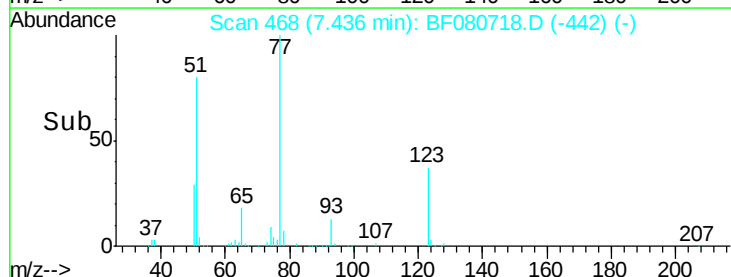
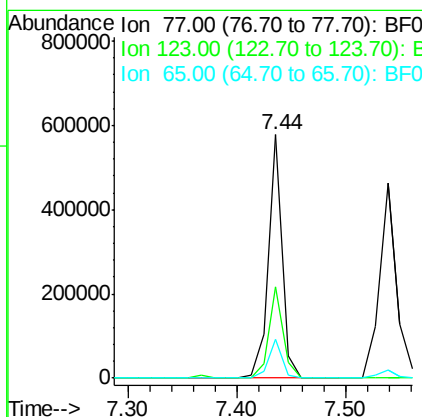
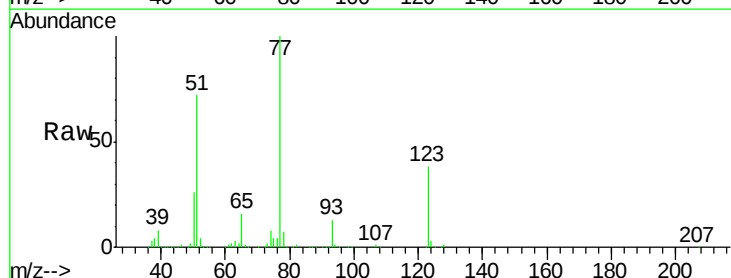
RT: 7.44 min Scan# 468

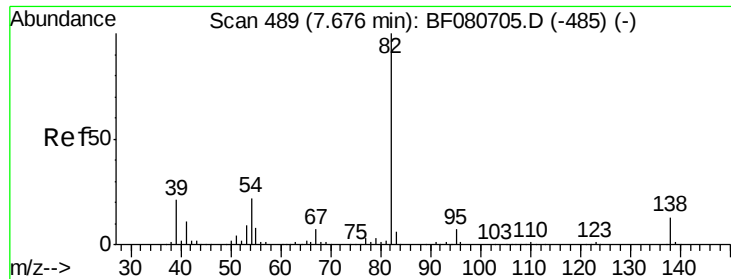
Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion:	77	Resp:	509774
Ion	Ratio	Lower	Upper
77	100		
123	37.8	28.9	43.3
65	15.9	13.0	19.4





#25

Isophorone

Concen: 43.90 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

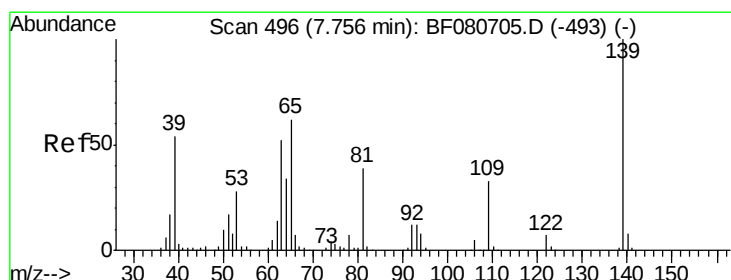
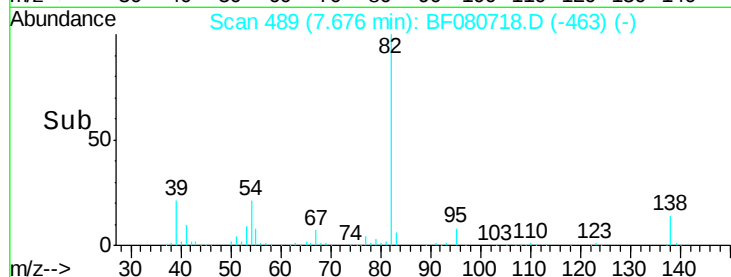
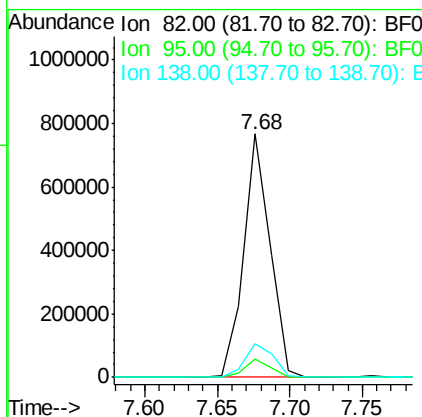
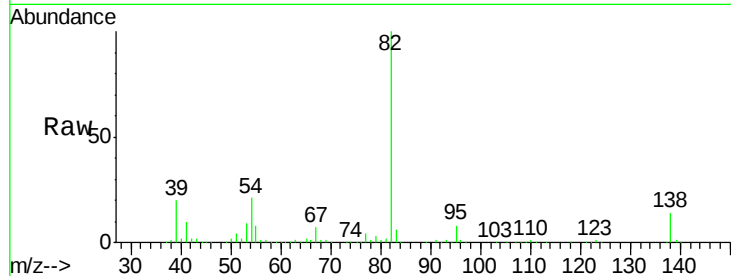
ClientSampleId :

GRID-5-(6-12)MSD

Tgt Ion:	82	Resp:	959136
Ion Ratio		Lower	Upper
82	100		
95	7.5	5.8	8.6
138	14.1	10.7	16.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.99 ng m

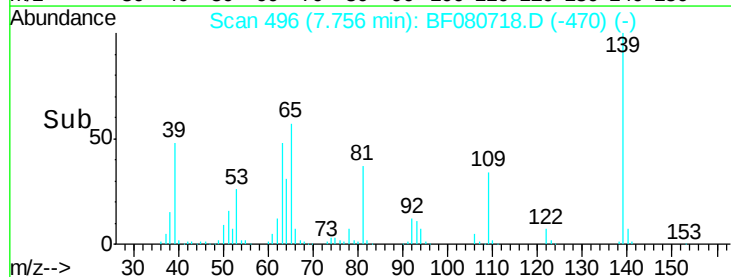
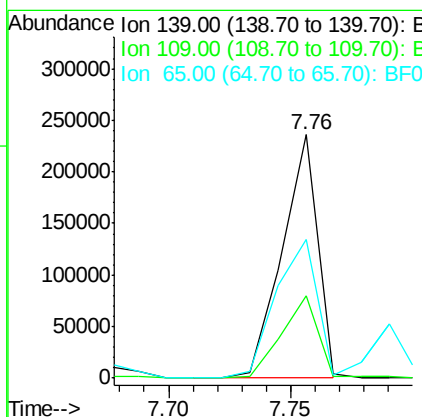
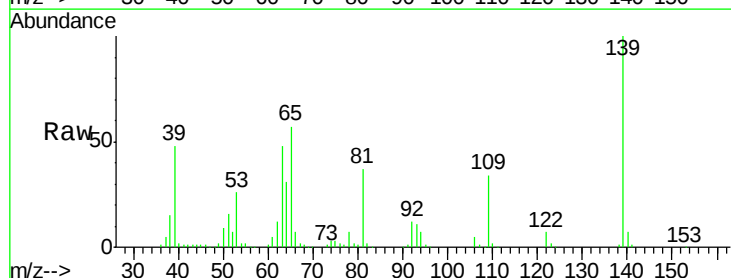
RT: 7.76 min Scan# 496

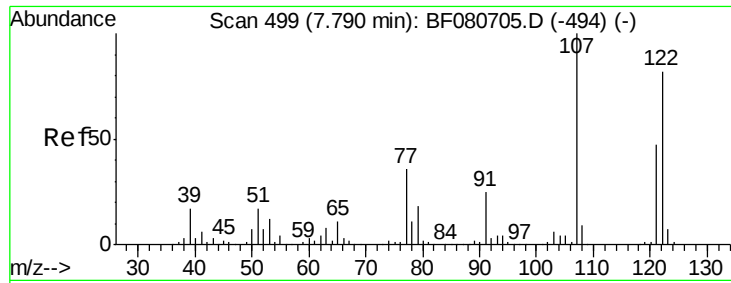
Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

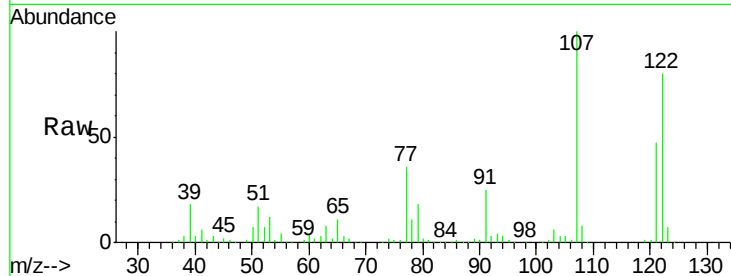
Tgt Ion:	139	Resp:	239769
Ion Ratio		Lower	Upper
139	100		
109	33.6	26.5	39.7
65	57.0	49.8	74.8





#27
 2,4-Dimethylphenol
 Concen: 41.77 ng m
 RT: 7.79 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

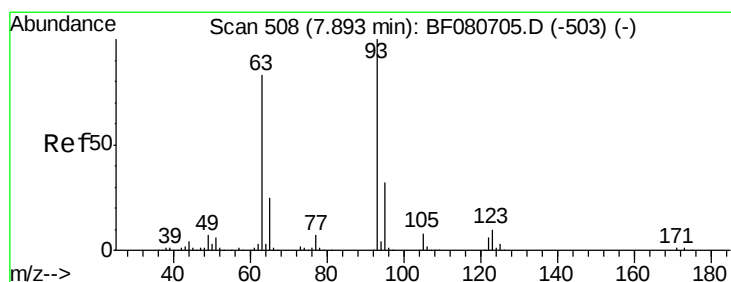
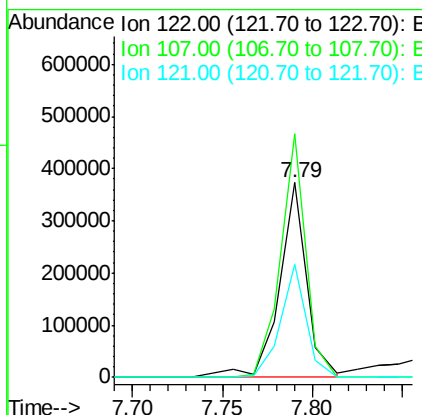
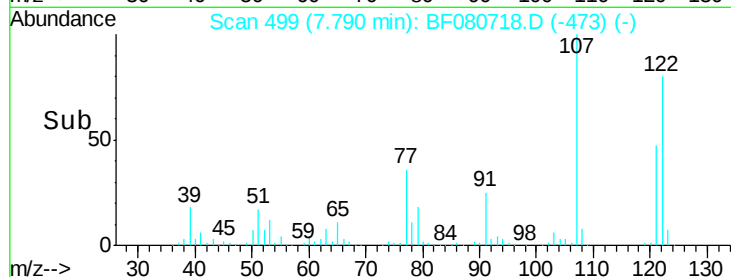
Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
122	100	392085		
107	125.1	98.1	147.1	
121	58.4	45.8	68.8	

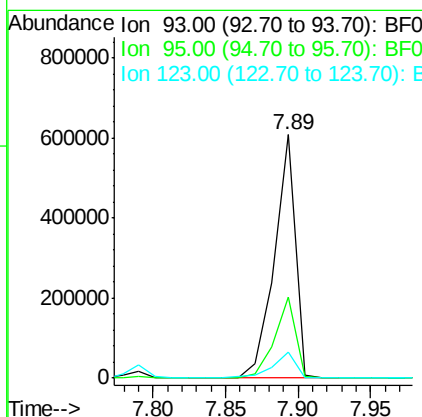
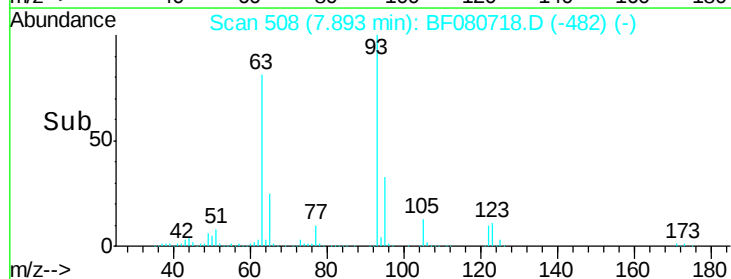
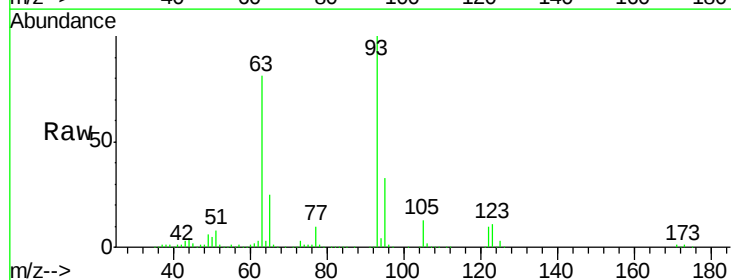
Manual Integrations
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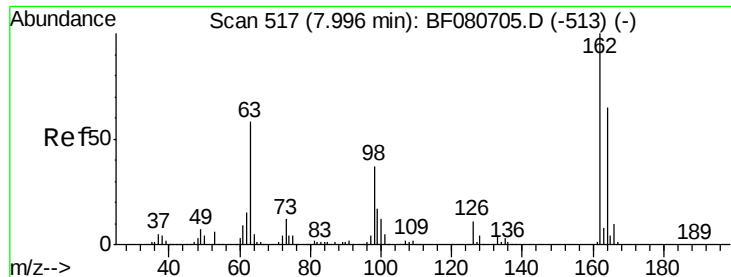
MMDadoda
 7/31/2015 11:22:56 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.18 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	610658		
95	33.0	26.0	39.0	
123	10.7	8.2	12.4	





#29

2,4-Dichlorophenol

Concen: 46.65 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

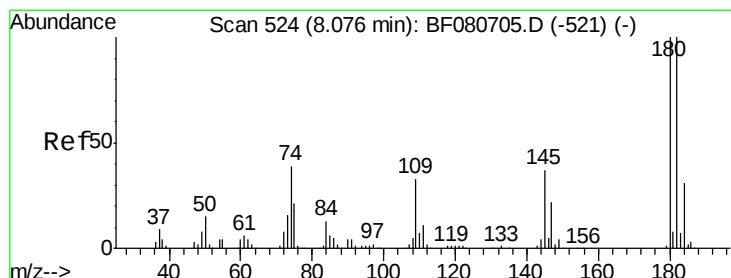
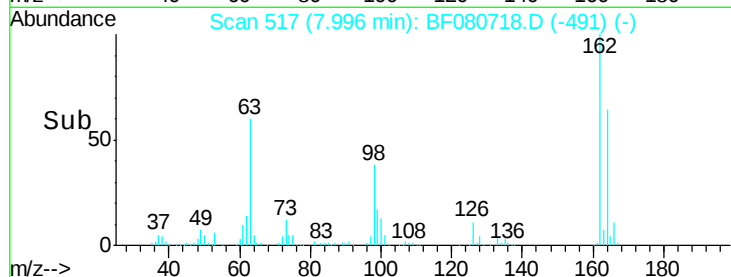
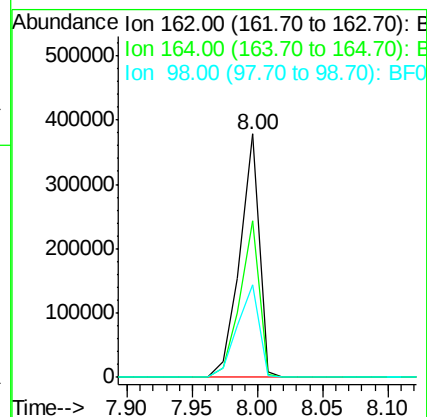
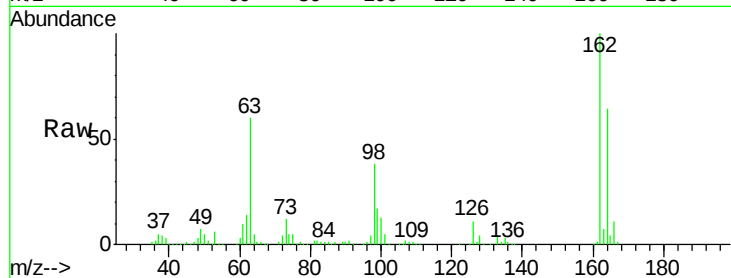
ClientSampleId :

GRID-5-(6-12)MSD

Tgt Ion:	162	Resp:	389220
Ion Ratio	Lower	Upper	
162	100		
164	64.3	45.1	85.1
98	38.1	17.0	57.0

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 41.20 ng

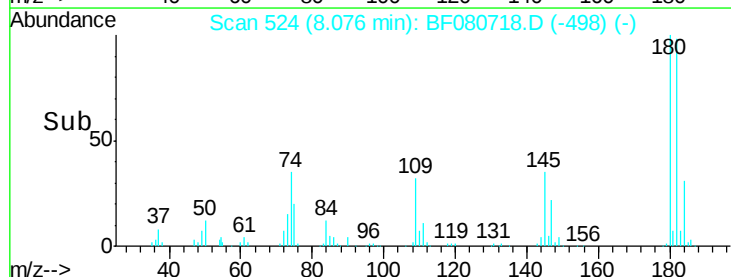
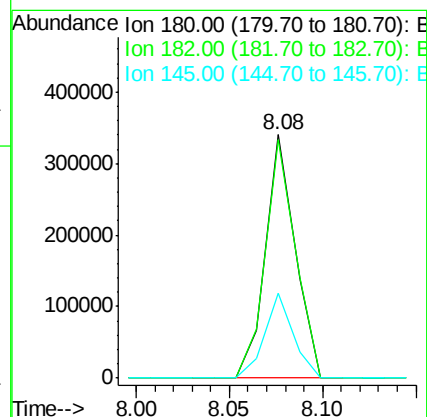
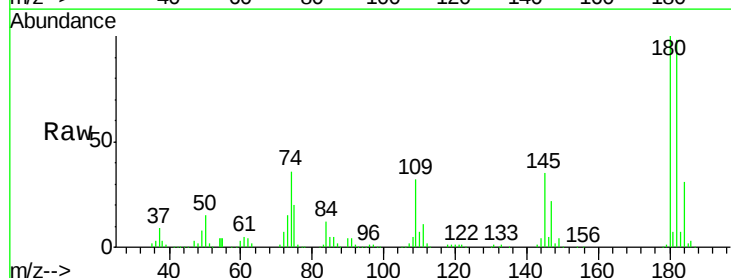
RT: 8.08 min Scan# 524

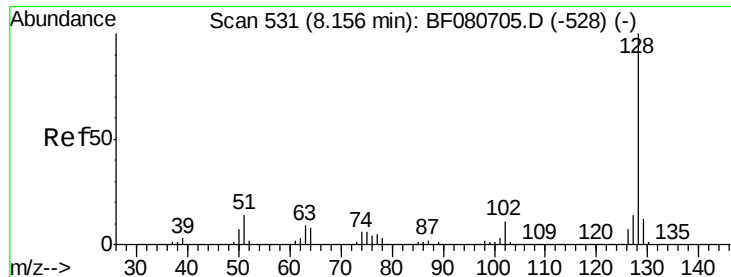
Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion:	180	Resp:	374816
Ion Ratio	Lower	Upper	
180	100		
182	98.2	79.8	119.8
145	34.7	29.8	44.6





#31

Naphthalene

Concen: 39.39 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF080718.D

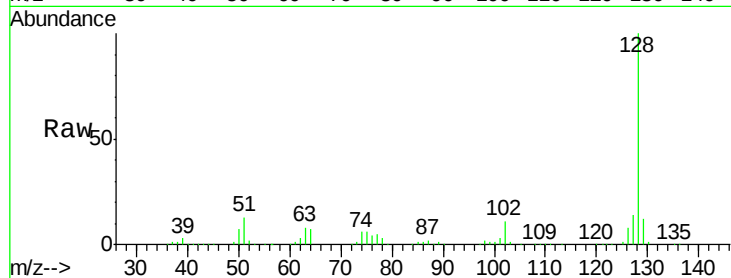
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

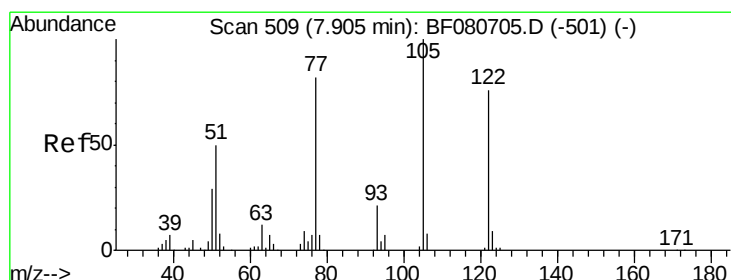
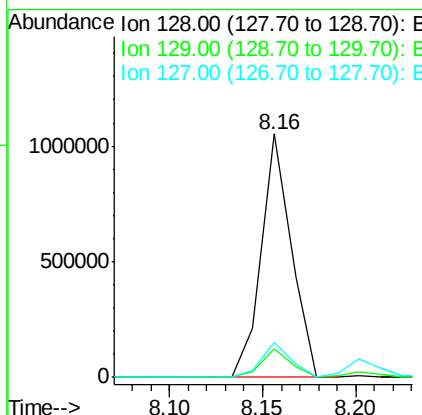
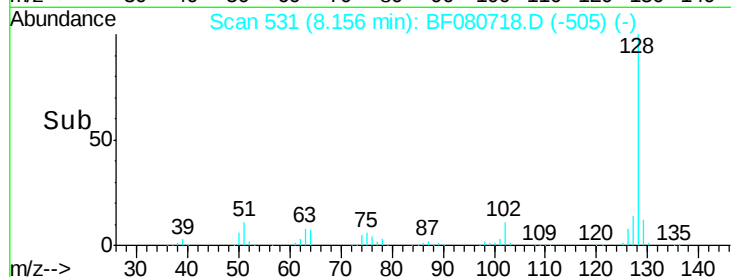
GRID-5-(6-12)MSD



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	14.1	11.0	16.6

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#32

Benzoic acid

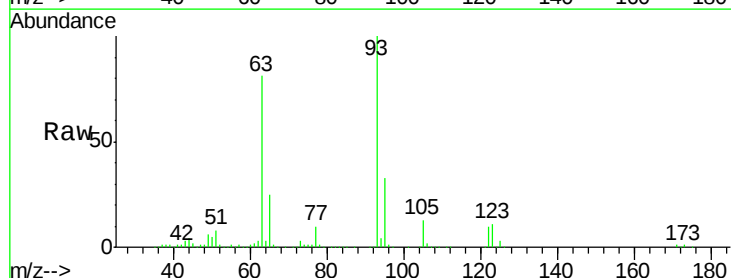
Concen: 27.77 ng m

RT: 7.89 min Scan# 508

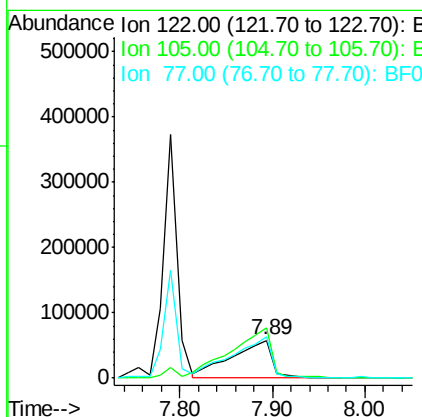
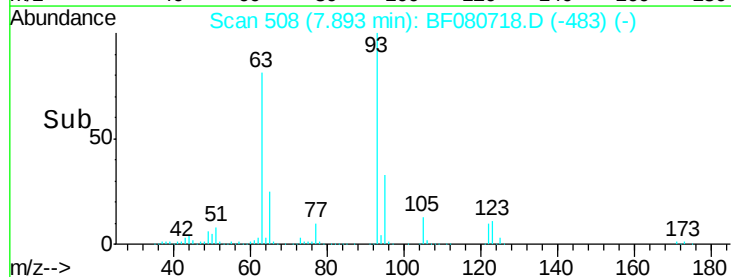
Delta R.T. -0.01 min

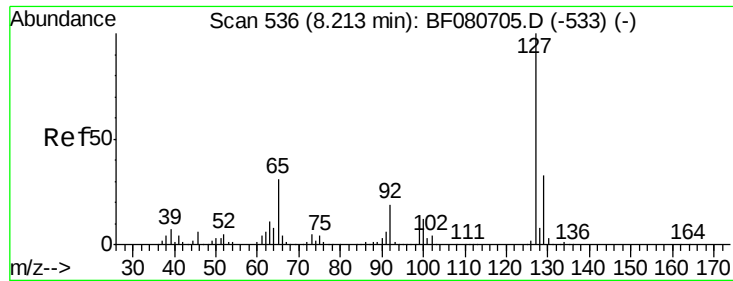
Lab File: BF080718.D

Acq: 31 Jul 2015 4:32



Tgt Ion	Ratio	Lower	Upper
122	100		
105	133.8	111.3	151.3
77	109.0	88.1	128.1





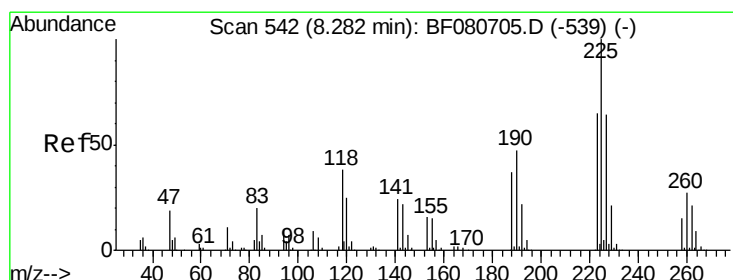
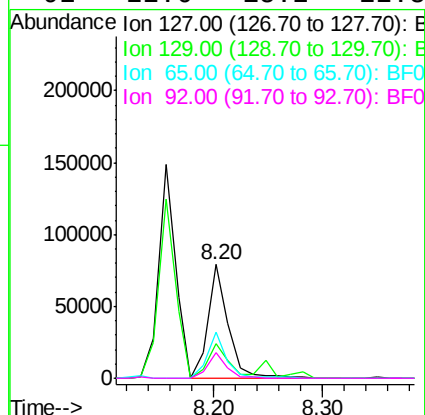
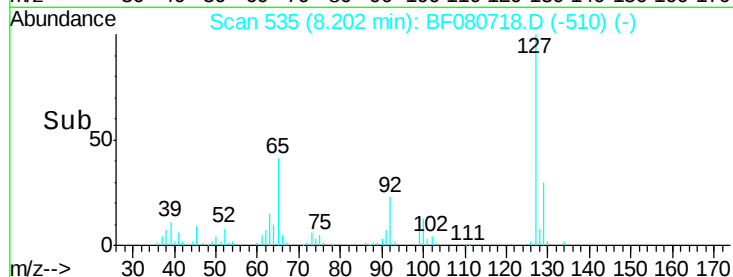
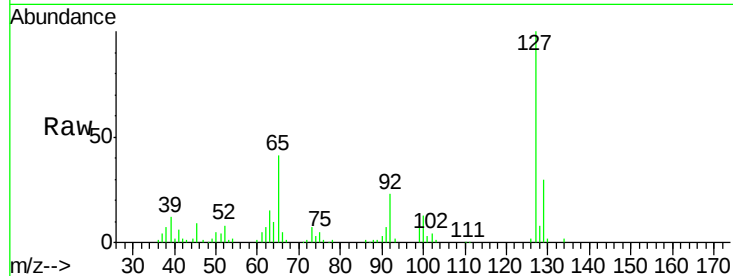
#33
4-Chloroaniline
Concen: 8.28 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	30.0	26.7	40.1
65	41.1	24.5	36.7
92	22.6	15.2	22.8

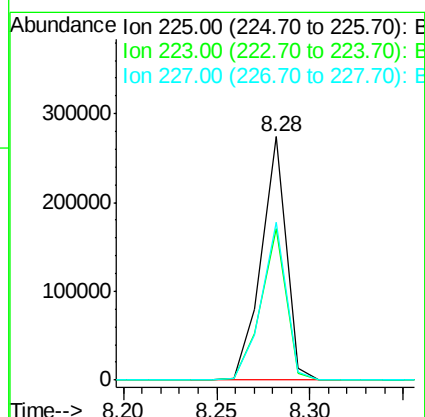
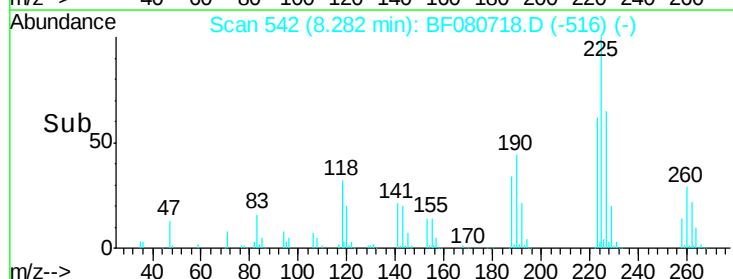
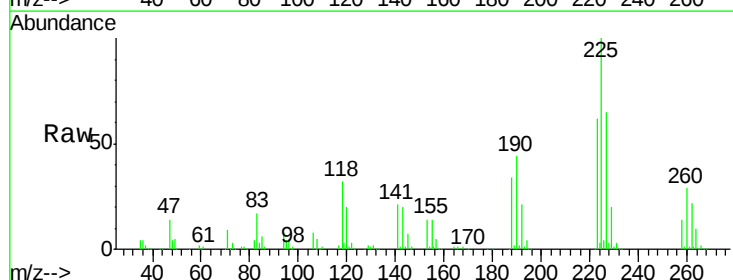
Manual Integrations
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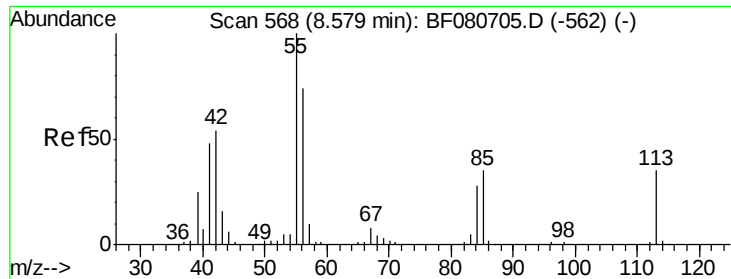
MMDadoda
7/31/2015 11:22:56 AM



#34
Hexachlorobutadiene
Concen: 43.08 ng
RT: 8.28 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.3	51.7	77.5
227	64.6	51.0	76.4





#35

Caprolactam

Concen: 40.02 ng m

RT: 8.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD

Tgt Ion:113 Resp: 99988

Ion Ratio Lower Upper

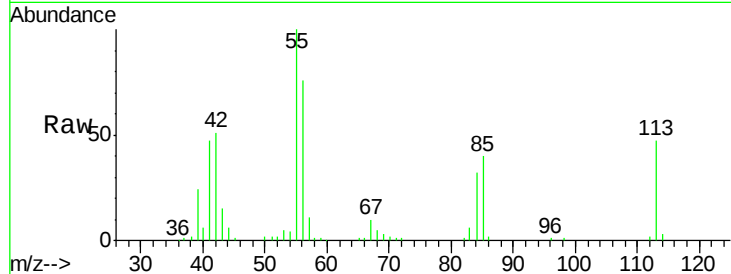
113 100

55 213.4 269.3 309.3#

56 161.2 193.3 233.3#

Manual Integrations
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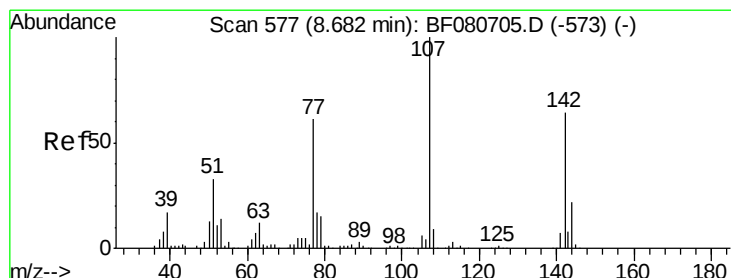
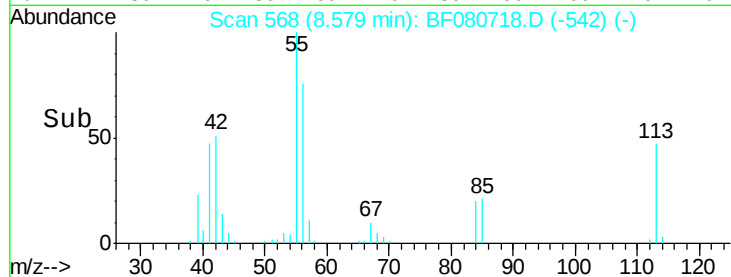
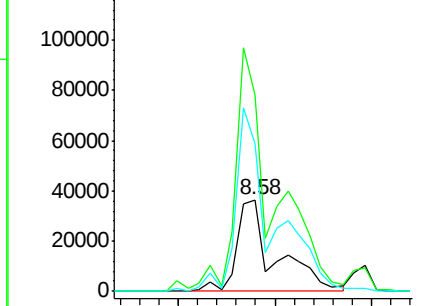
MMDadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 48.34 ng

RT: 8.69 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

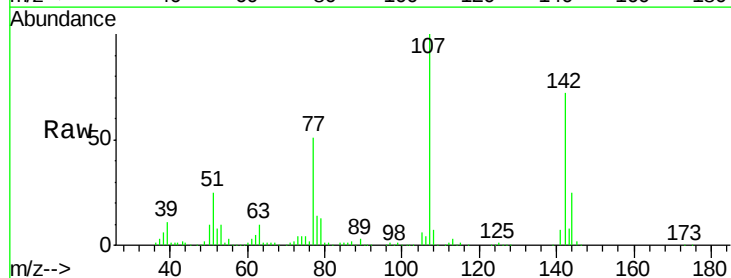
Tgt Ion:107 Resp: 434781

Ion Ratio Lower Upper

107 100

144 24.9 17.2 25.8

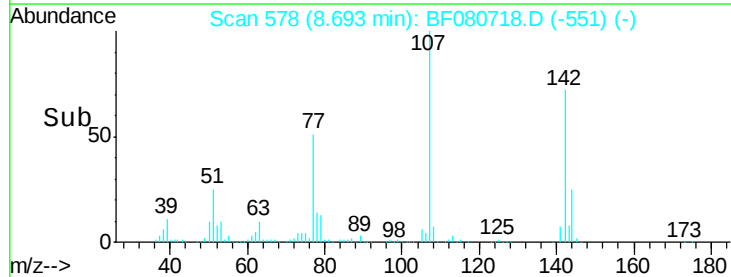
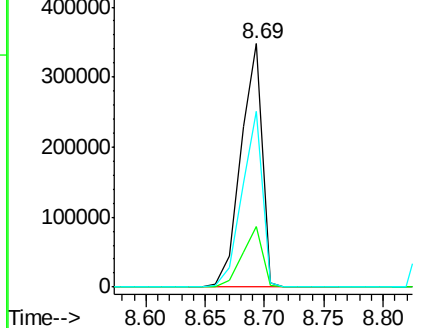
142 72.1 51.2 76.8

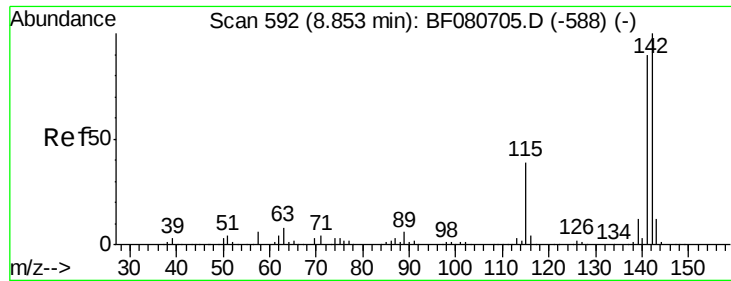


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





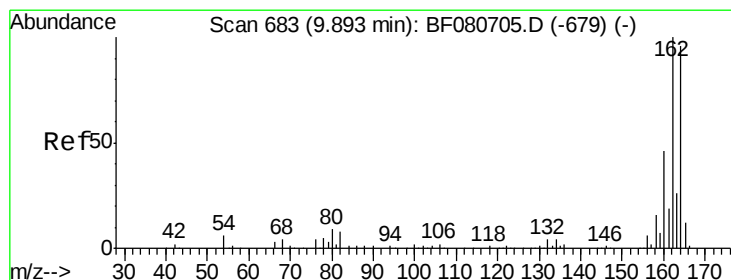
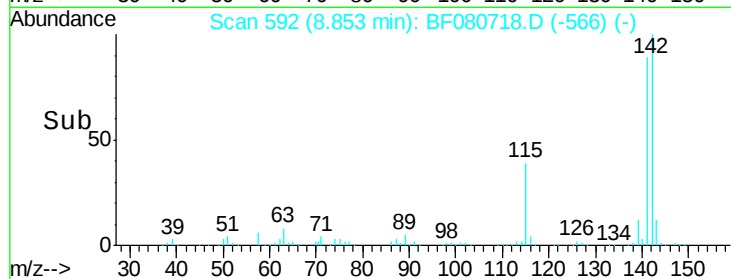
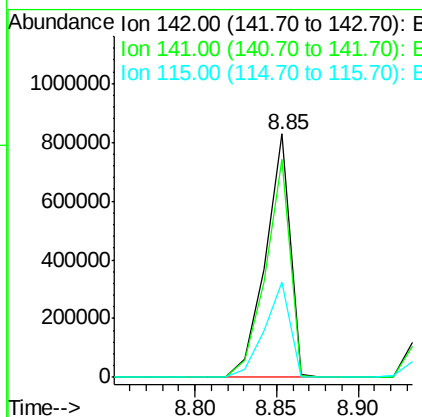
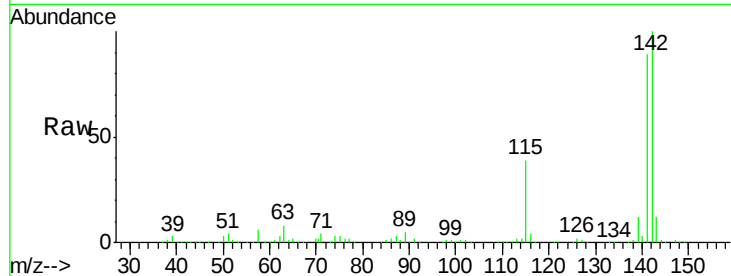
#37
2-Methylnaphthalene
Concen: 46.74 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.9	107.9
115	39.1	31.4	47.2

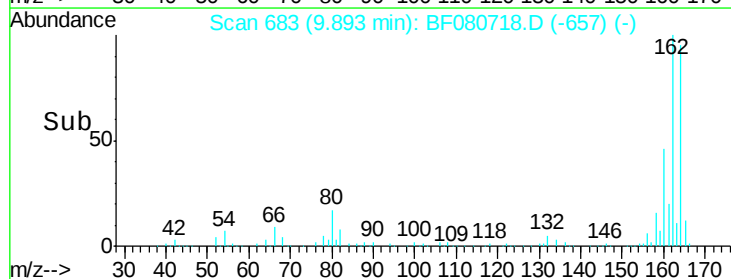
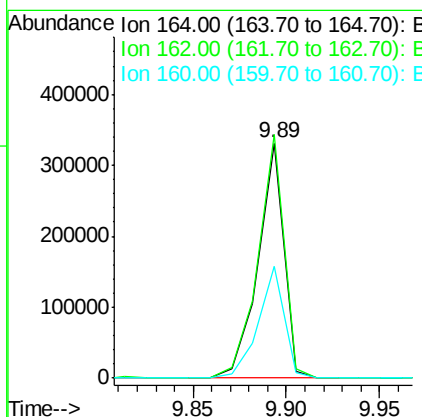
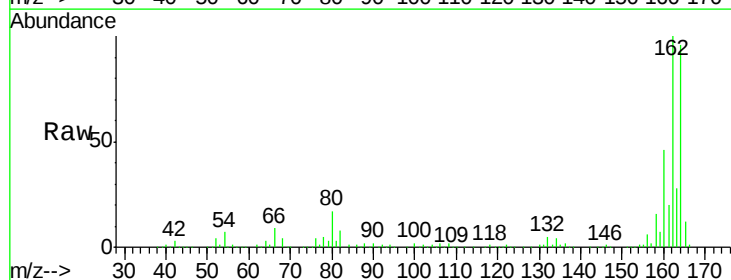
Manual Integrations
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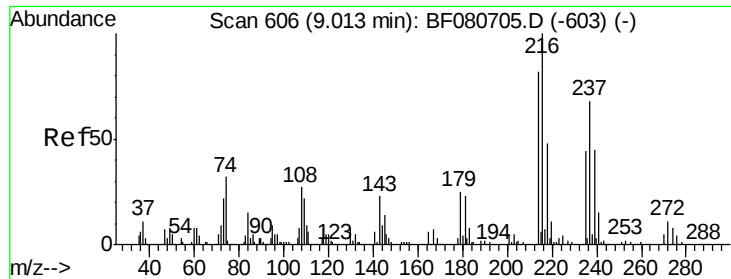
MMDadoda
7/31/2015 11:22:56 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.4	125.0
160	47.7	38.0	57.0





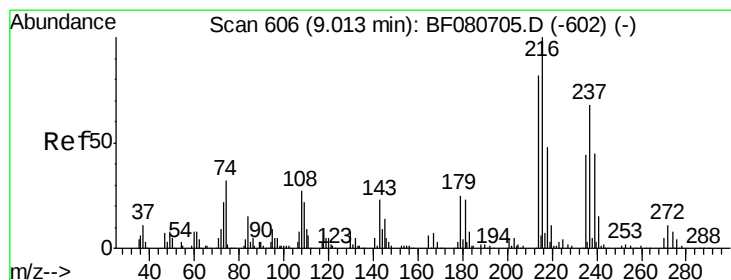
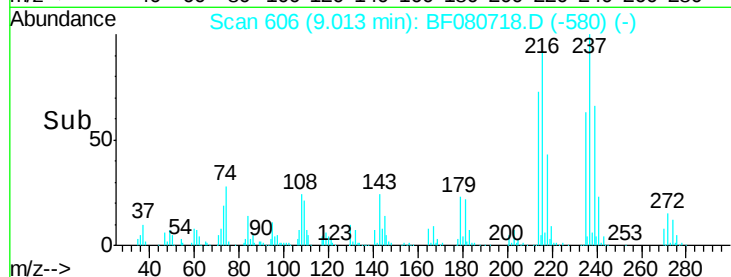
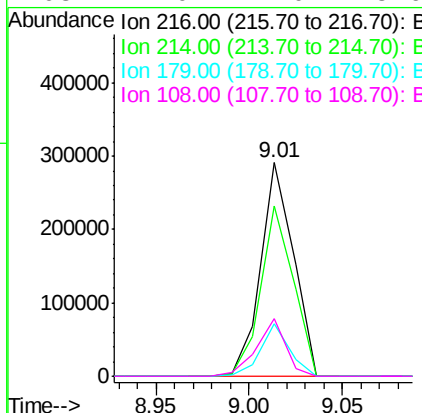
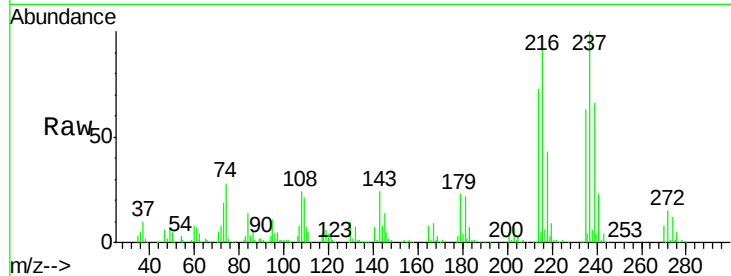
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.81 ng
 RT: 9.01 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	353733		
214	79.2	63.1	94.7	
179	21.9	16.9	25.3	
108	24.0	17.0	25.6	

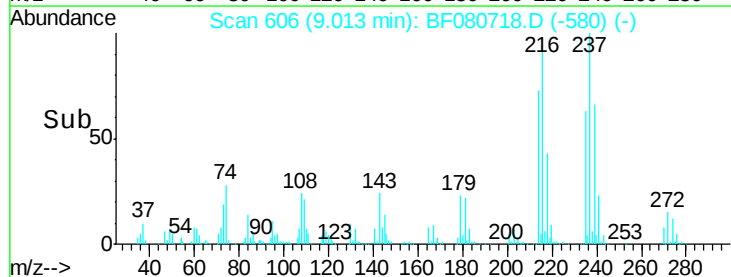
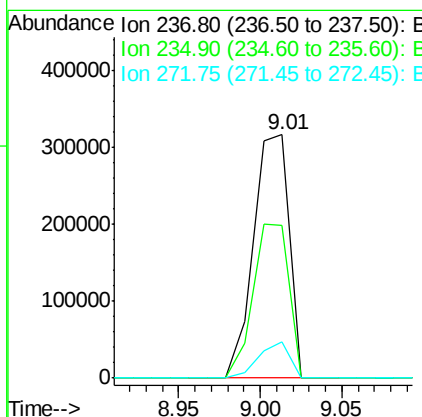
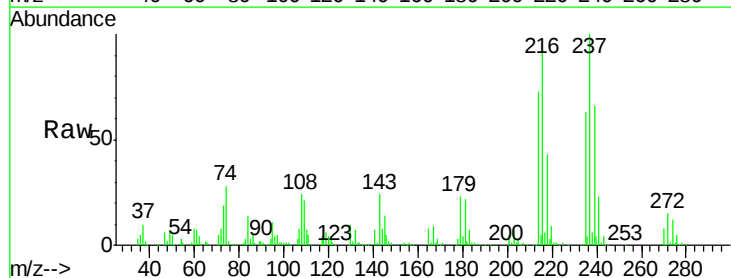
Manual Integrations
 APPROVED

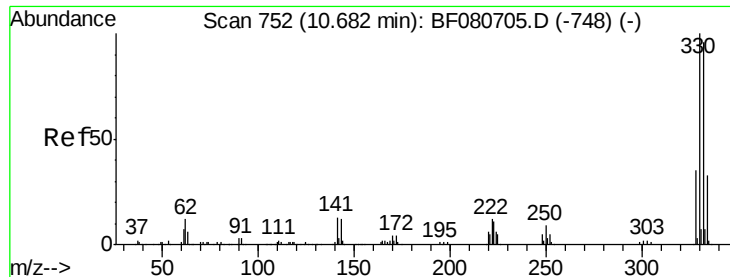
MMDadoda
 7/31/2015 11:22:56 AM



#40
 Hexachlorocyclopentadiene
 Concen: 79.29 ng
 RT: 9.01 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	481827		
235	62.8	44.3	84.3	
272	14.7	0.0	35.5	





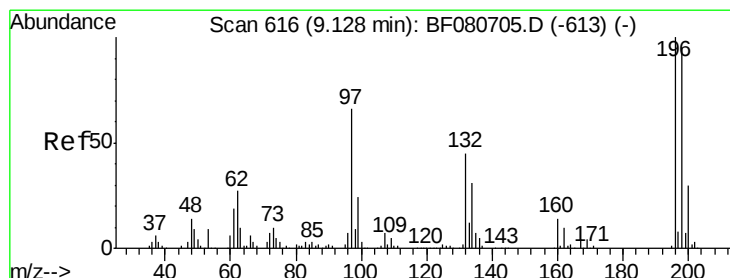
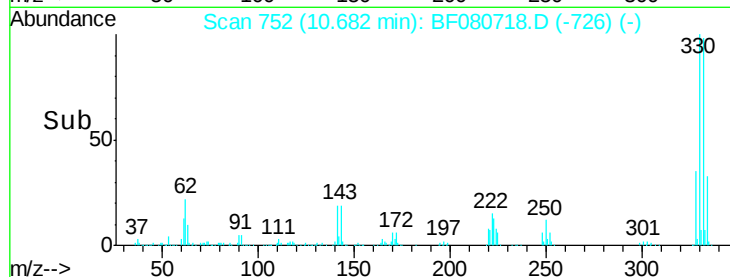
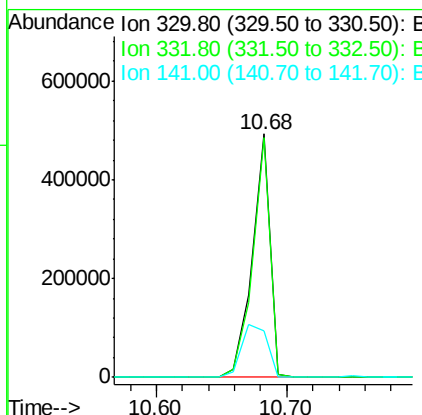
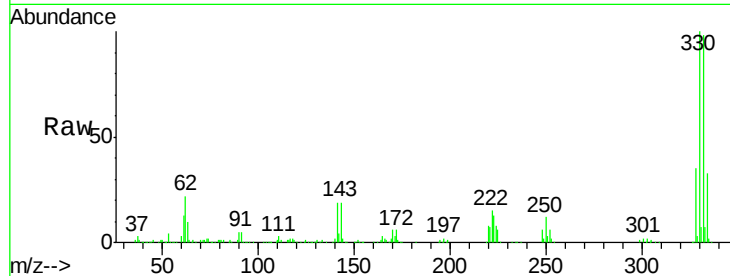
#41
 2,4,6-Tribromophenol
 Concen: 144.11 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	470317		
332	96.5	76.6	114.8	
141	31.5	26.0	39.0	

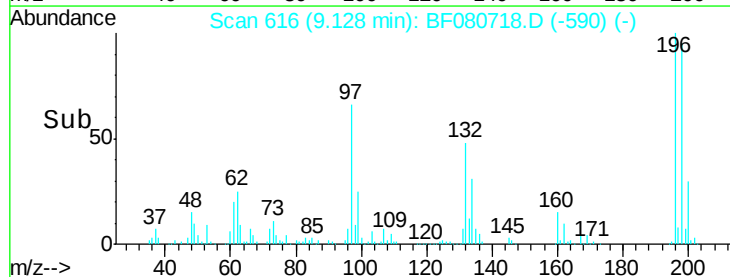
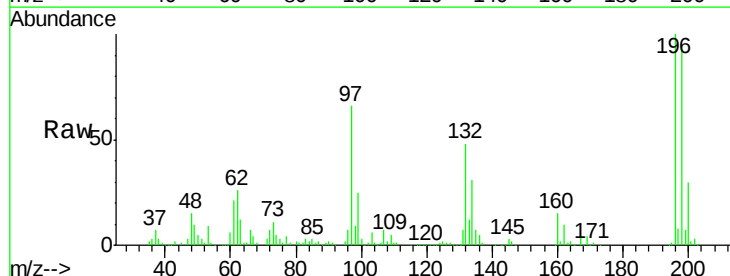
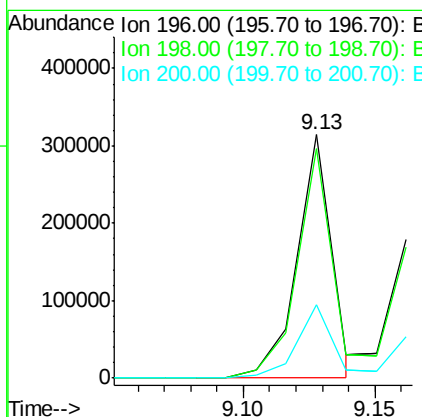
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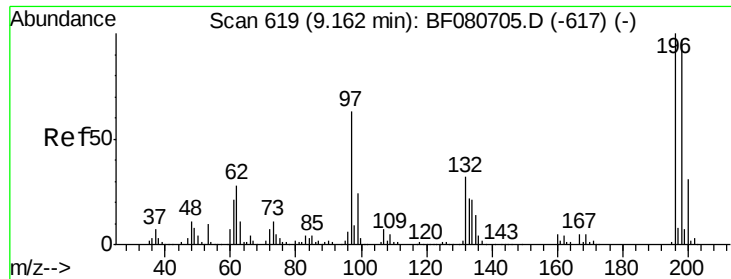
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#42
 2,4,6-Trichlorophenol
 Concen: 41.75 ng m
 RT: 9.13 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	286888		
198	94.5	75.8	113.8	
200	30.2	24.2	36.2	





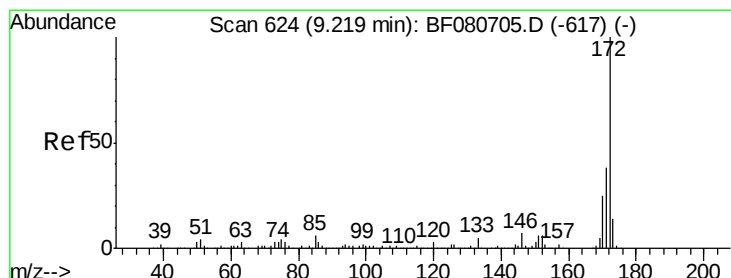
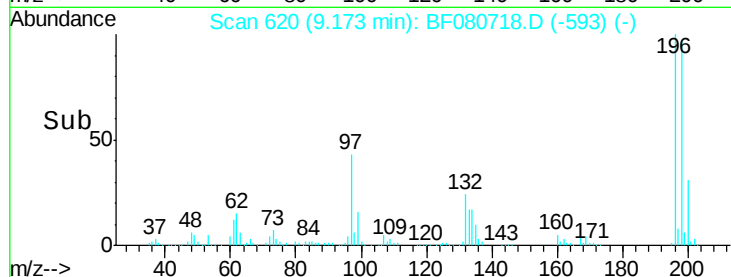
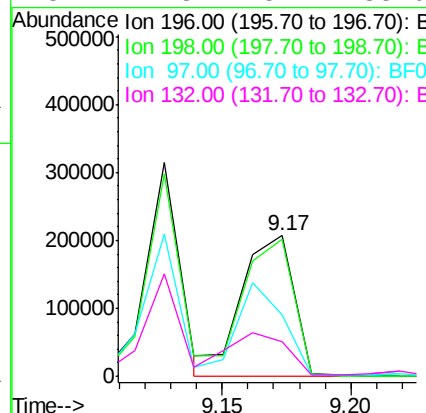
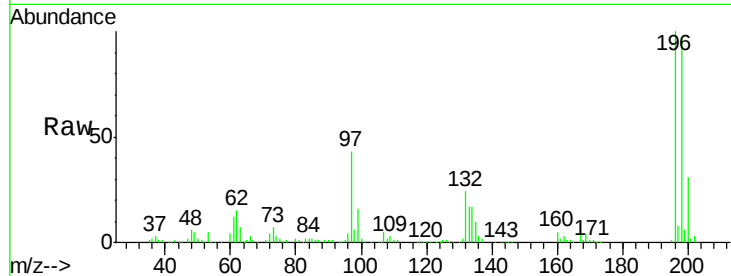
#43
 2,4,5-Trichlorophenol
 Concen: 42.58 ng m
 RT: 9.17 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	290187		
198	97.2	77.8	116.8	
97	43.5	49.0	73.4	
132	24.3	25.4	38.0	

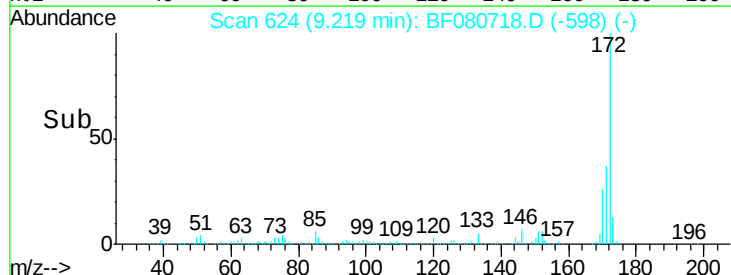
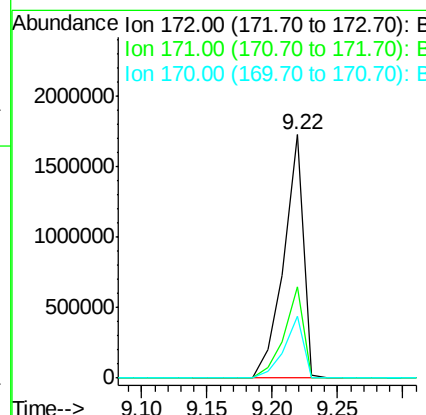
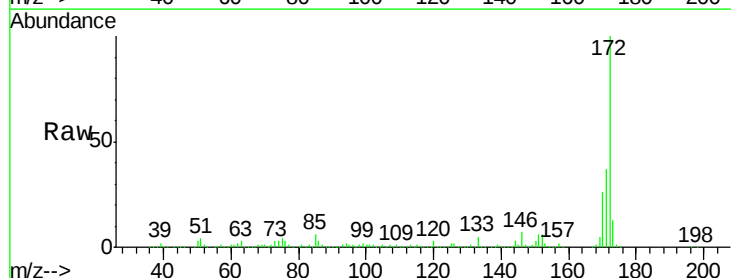
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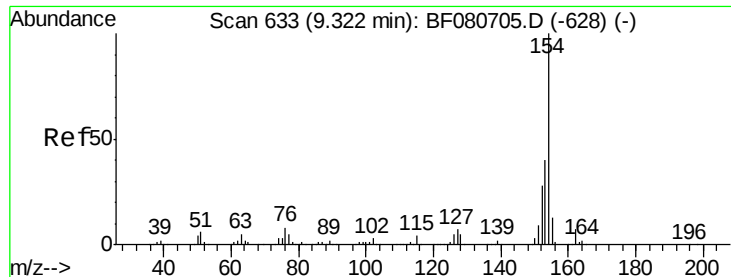
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#44
 2-Fluorobiphenyl
 Concen: 87.25 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1839460		
171	37.4	30.2	45.4	
170	25.6	20.2	30.2	





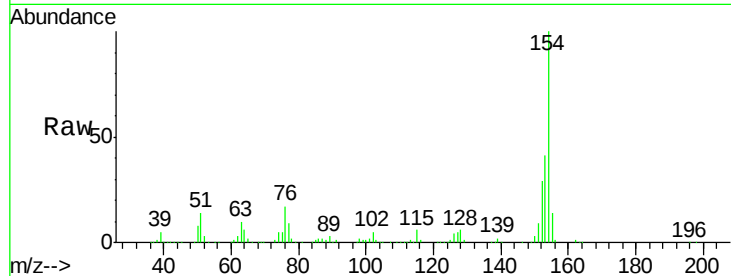
#45
1,1'-Biphenyl
Concen: 39.21 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

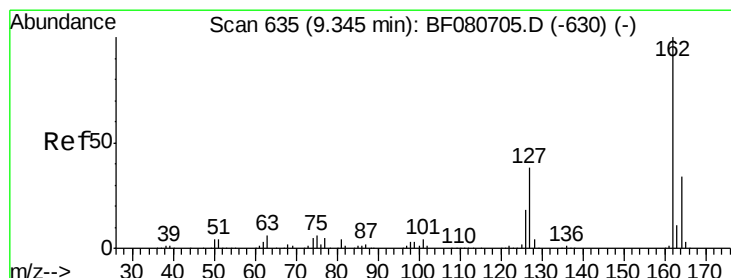
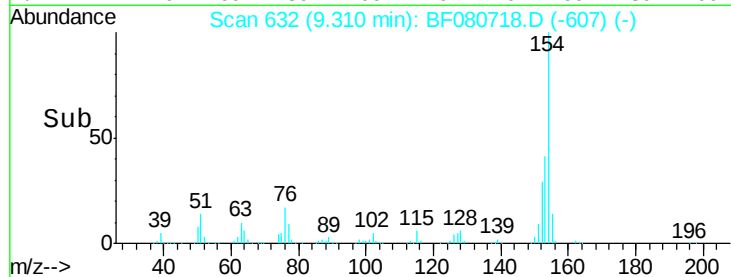
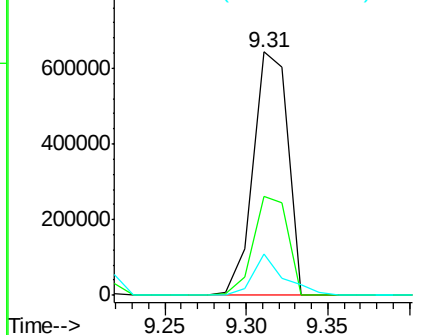
Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	40.8	19.9	59.9
76	17.0	0.0	28.3

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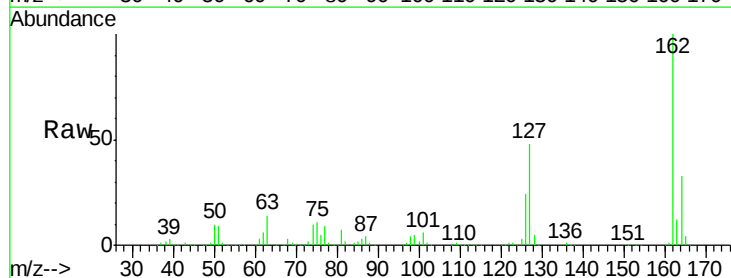


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

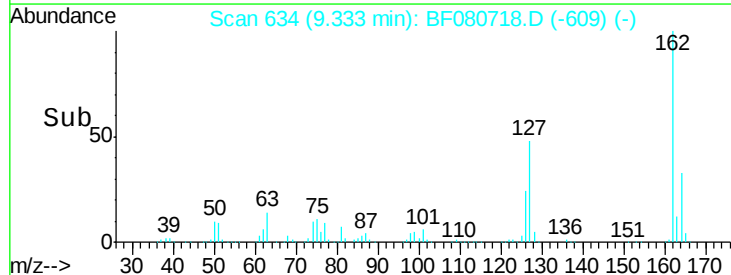
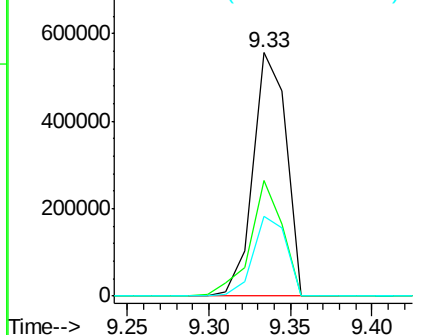


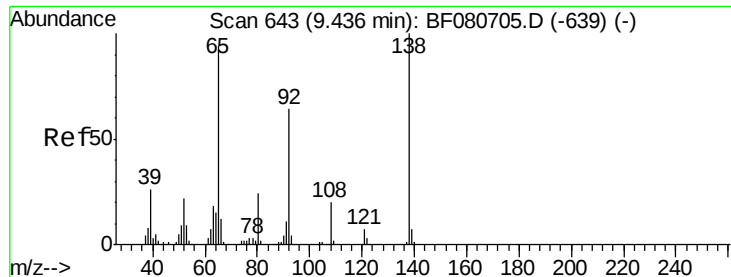
#46
2-Chloronaphthalene
Concen: 39.61 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	47.6	30.2	45.4#
164	32.6	27.1	40.7



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: 42.84 ng

RT: 9.44 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD

Tgt Ion: 65 Resp: 328357
Ion Ratio Lower Upper

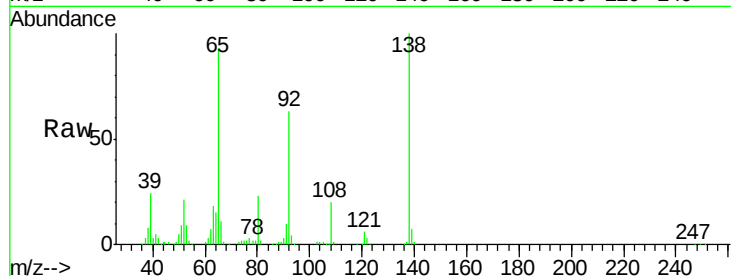
65 100

92 68.1 54.9 82.3

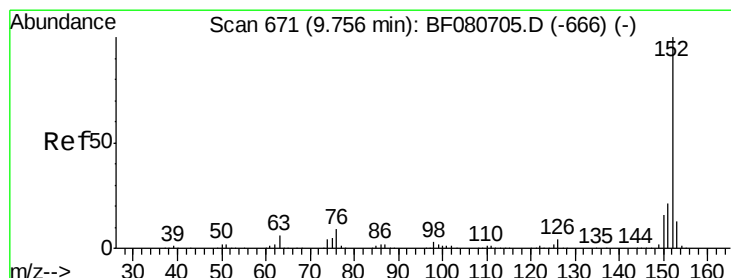
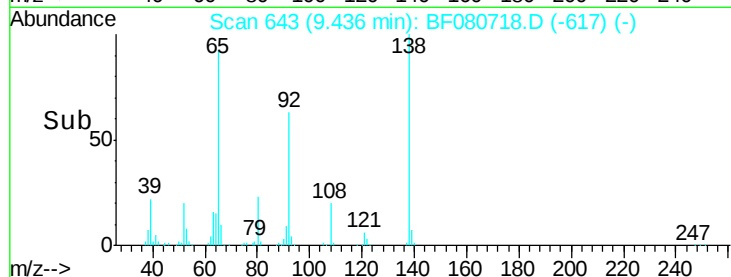
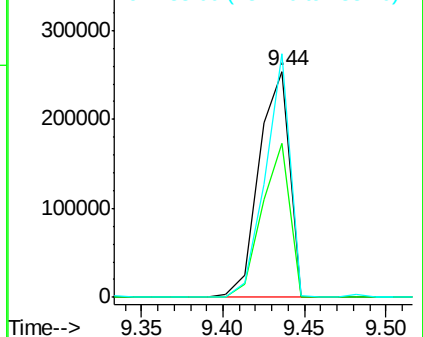
138 107.7 85.1 127.7

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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: 42.37 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF080718.D

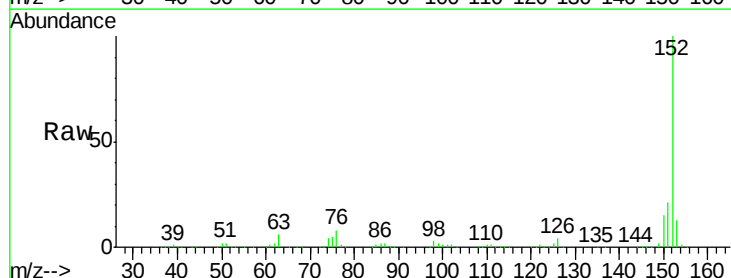
Acq: 31 Jul 2015 4:32

Tgt Ion: 152 Resp: 1327032
Ion Ratio Lower Upper

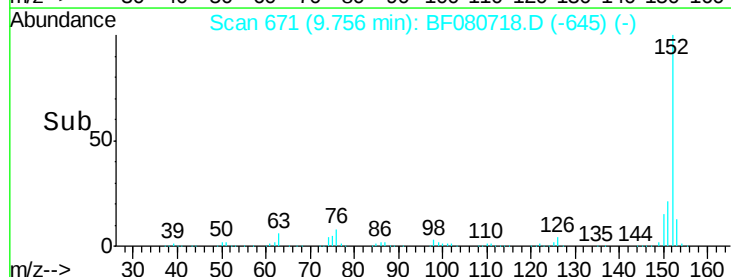
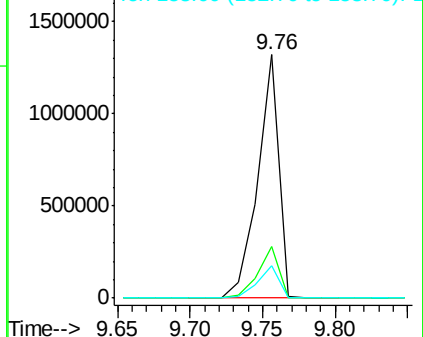
152 100

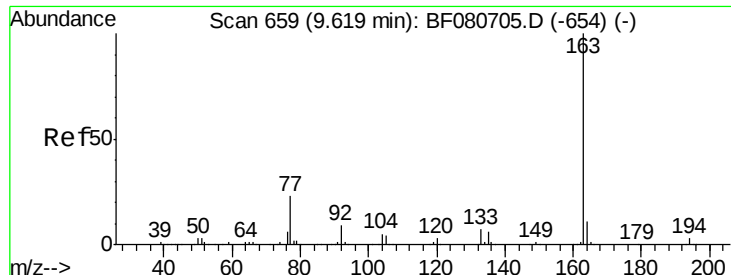
151 21.2 17.0 25.6

153 13.3 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





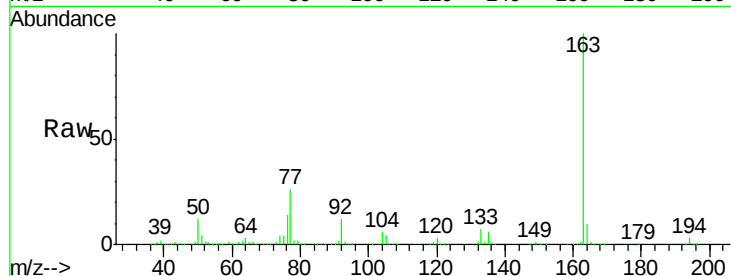
#49
Dimethylphthalate
Concen: 41.92 ng
RT: 9.62 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

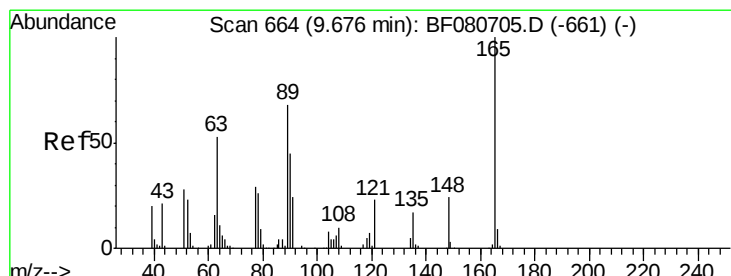
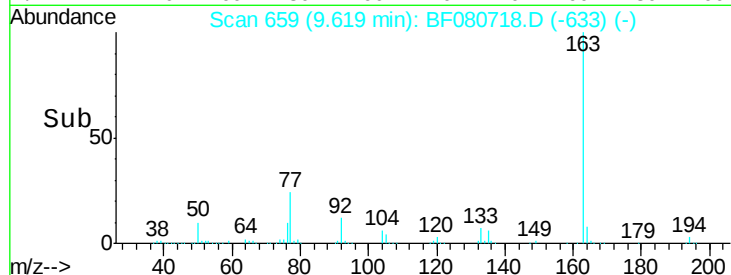
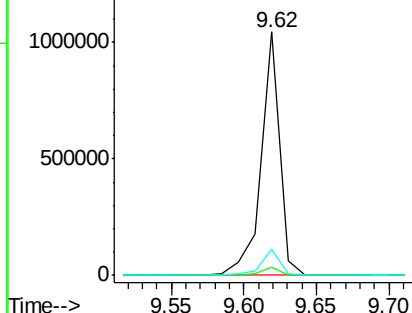
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.7	4.1
164	10.5	8.7	13.1

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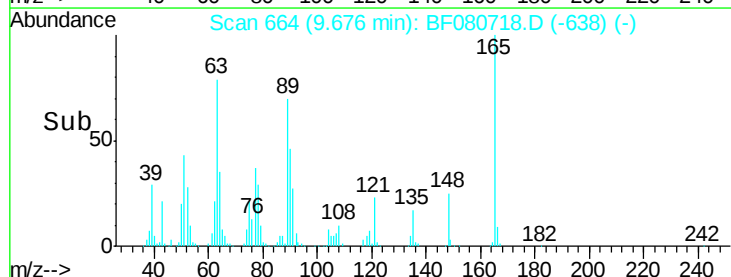
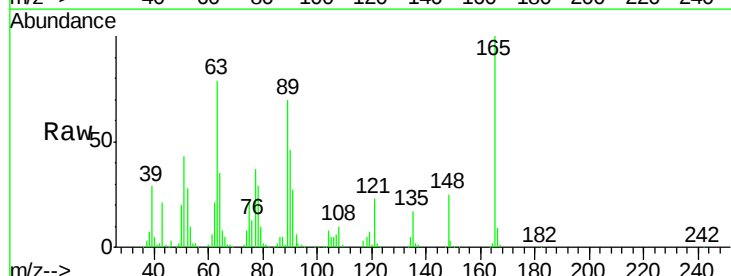
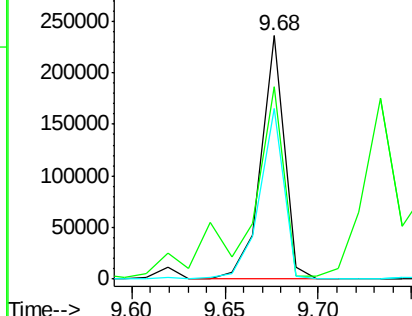
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

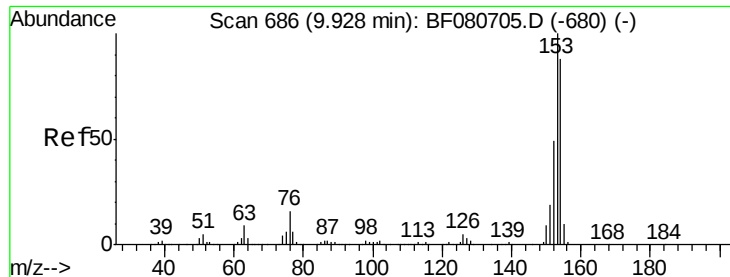


#50
2,6-Dinitrotoluene
Concen: 43.61 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	79.0	62.3	93.5
89	70.2	54.8	82.2

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





#51

Acenaphthene

Concen: 44.84 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF080718.D

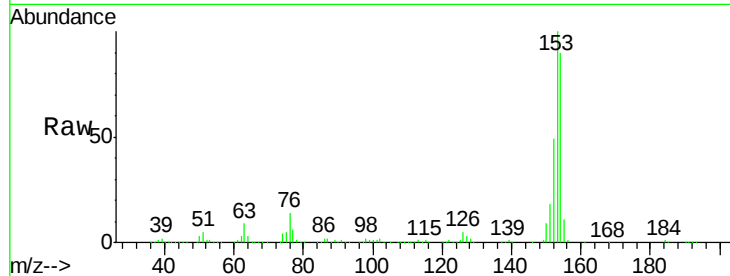
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

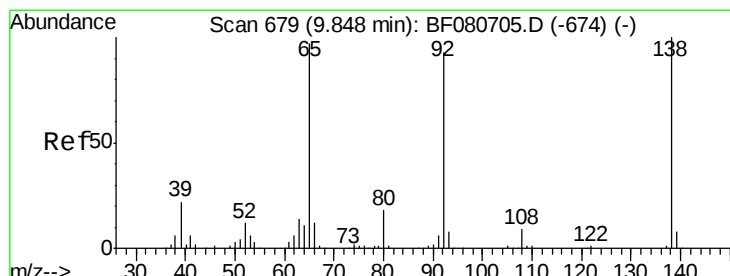
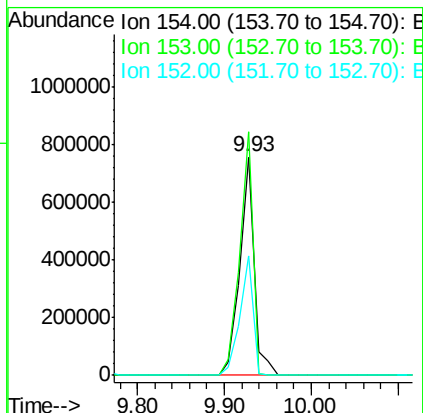
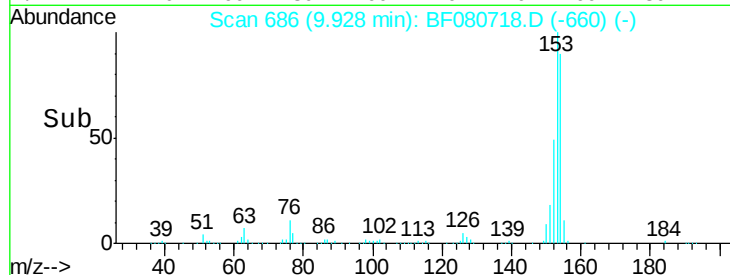
GRID-5-(6-12)MSD



Tgt Ion:	154	Resp:	856847
Ion Ratio	Lower	Upper	
154	100		
153	111.5	90.7	136.1
152	54.9	44.2	66.4

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#52

3-Nitroaniline

Concen: 14.63 ng

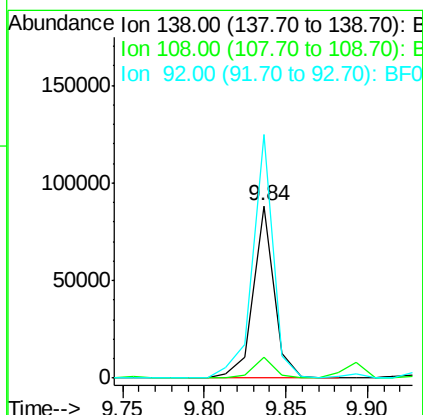
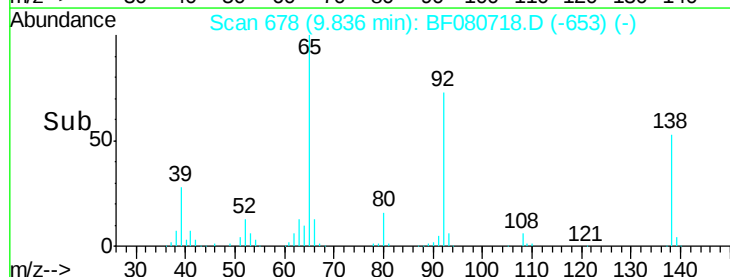
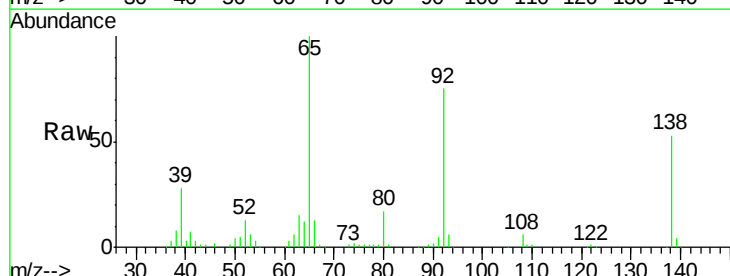
RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

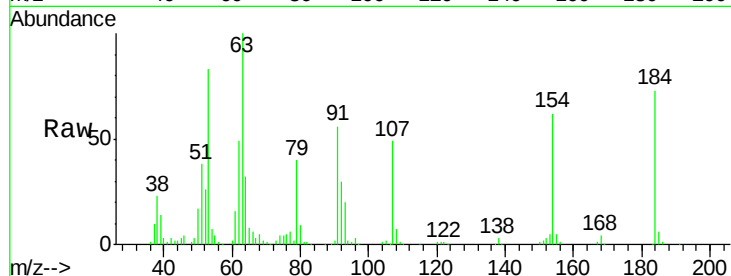
Tgt Ion:	138	Resp:	79420
Ion Ratio	Lower	Upper	
138	100		
108	11.8	6.9	10.3#
92	141.3	74.1	111.1#





#53
2,4-Dinitrophenol
Concen: 53.58 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

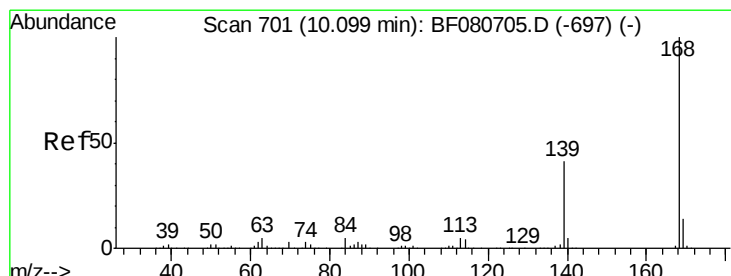
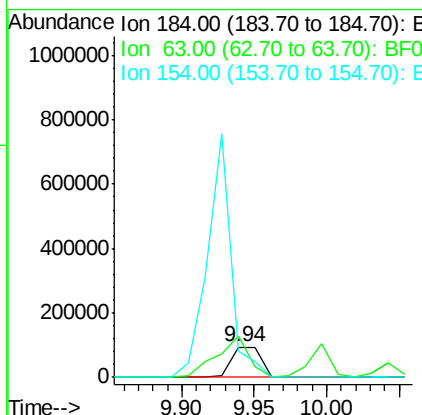
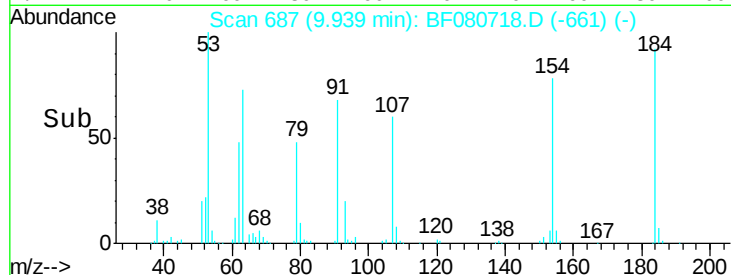
Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD



Tgt Ion	Ratio	Lower	Upper
184	100		
63	136.9	96.0	144.0
154	84.4	66.0	99.0

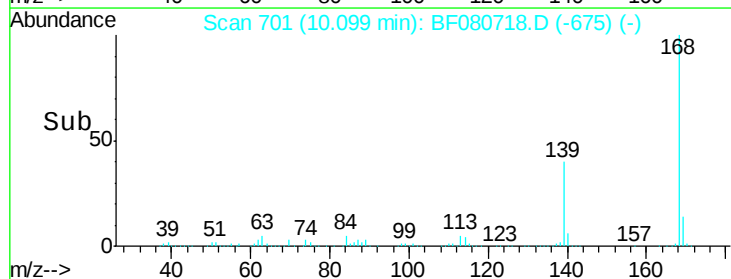
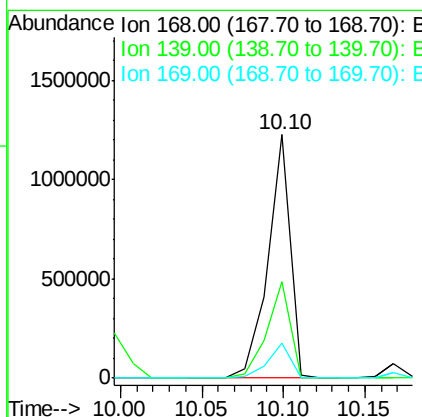
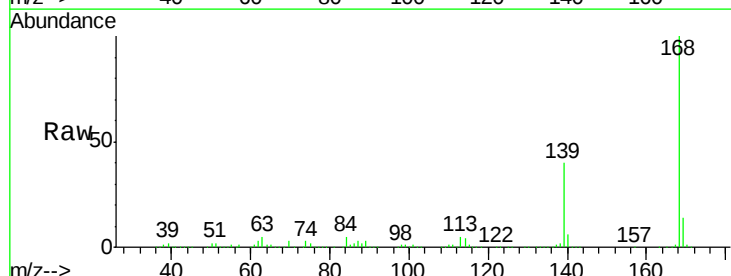
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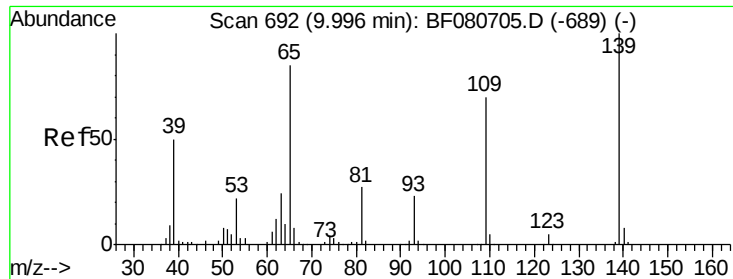
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#54
Dibenzofuran
Concen: 45.54 ng
RT: 10.10 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.7	33.0	49.6
169	14.5	11.4	17.2





#55

4-Nitrophenol

Concen: 65.16 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

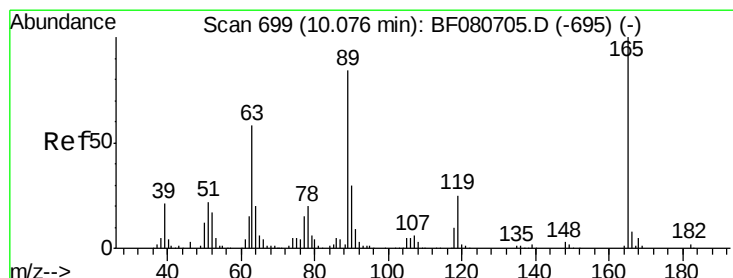
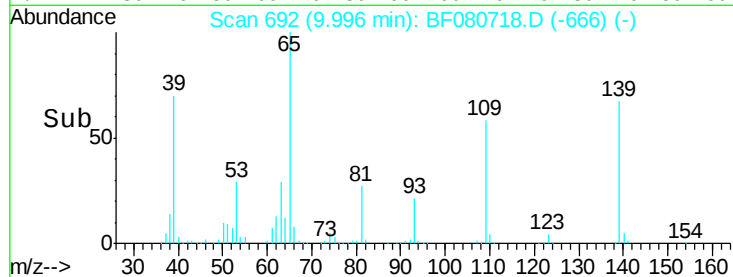
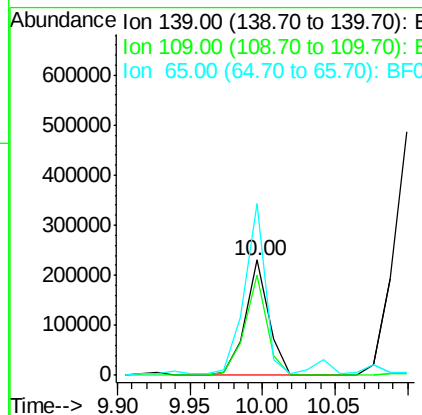
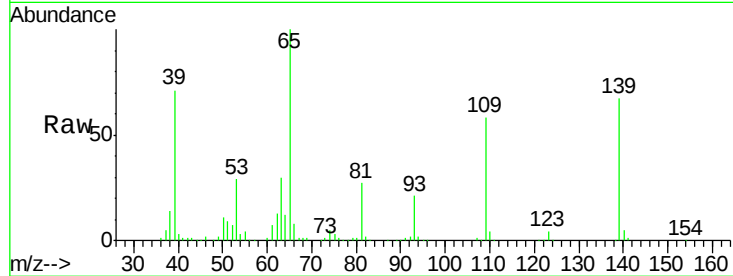
GRID-5-(6-12)MSD

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Tgt Ion:	139	Resp:	260576
Ion Ratio	Lower	Upper	
139	100		
109	86.7	50.4	90.4
65	148.4	66.1	106.1#



#56

2,4-Dinitrotoluene

Concen: 41.51 ng

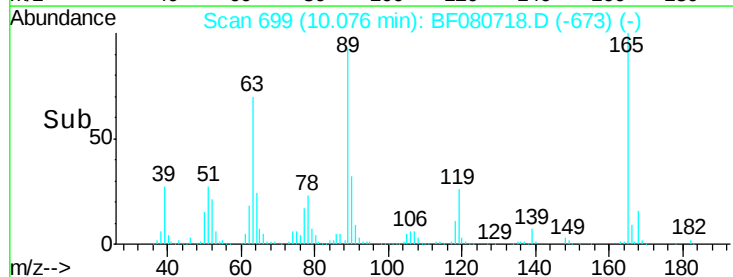
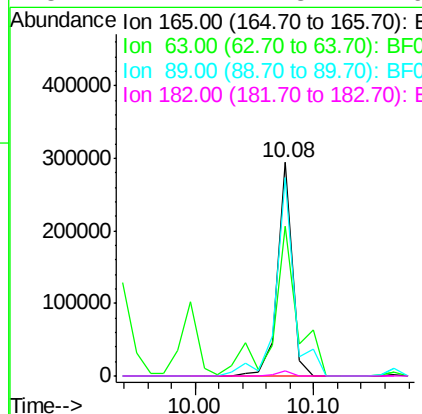
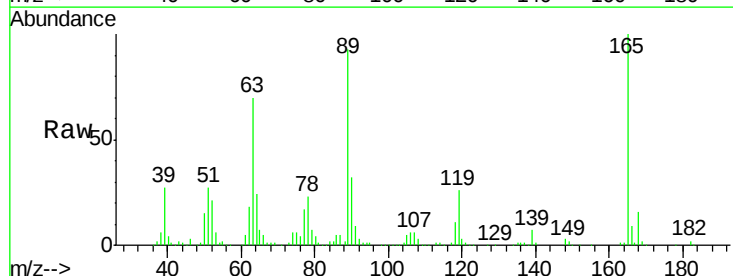
RT: 10.08 min Scan# 699

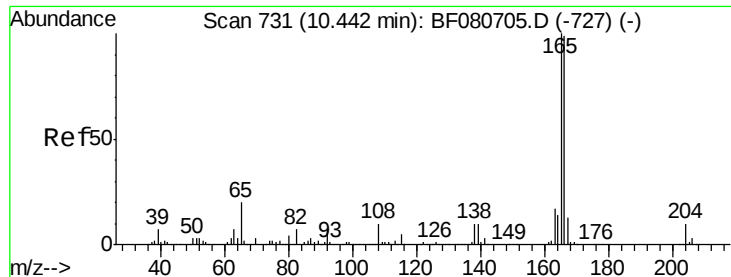
Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion:	165	Resp:	256036
Ion Ratio	Lower	Upper	
165	100		
63	70.1	46.7	70.1#
89	92.9	67.4	101.2
182	2.1	1.8	2.6





#57

Fluorene

Concen: 43.73 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

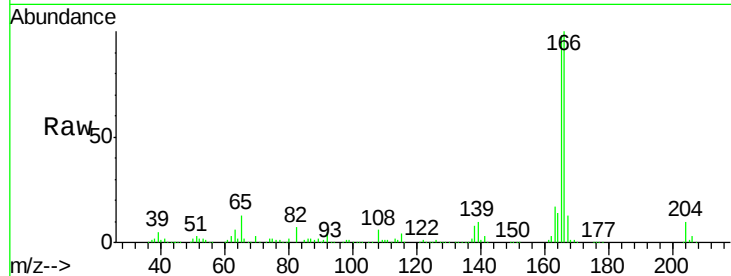
GRID-5-(6-12)MSD

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	81.0	121.4
167	12.8	10.8	16.2

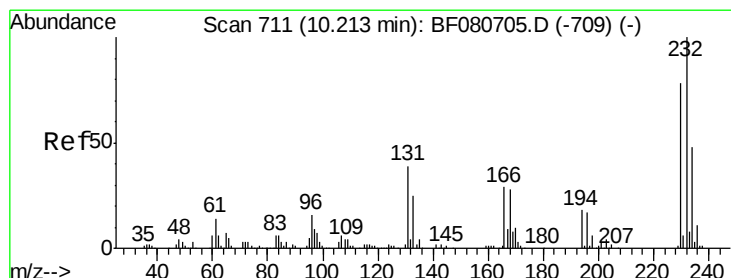
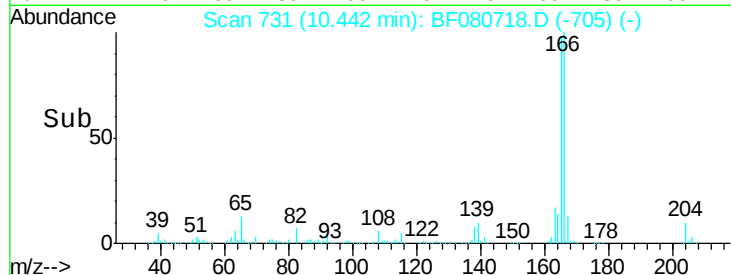
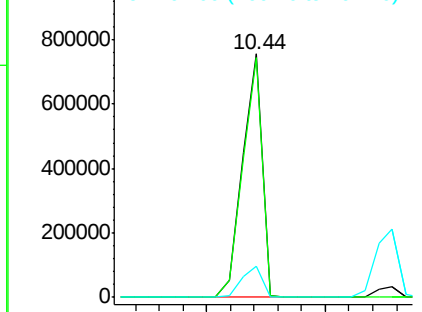


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 46.30 ng

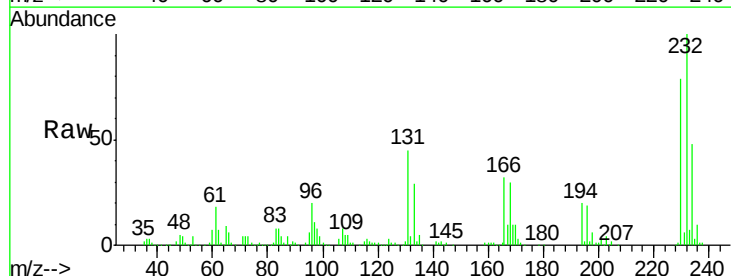
RT: 10.21 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
232	100		
131	51.7	38.2	57.2
130	2.5	1.8	2.6
166	33.7	25.6	38.4



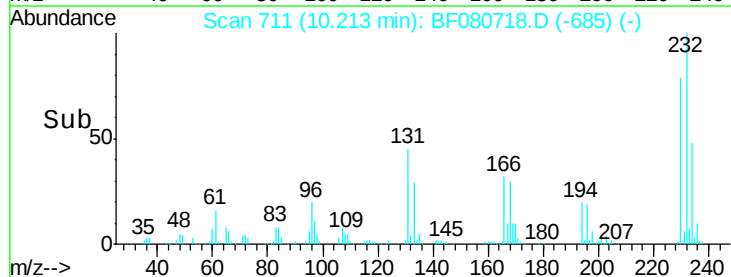
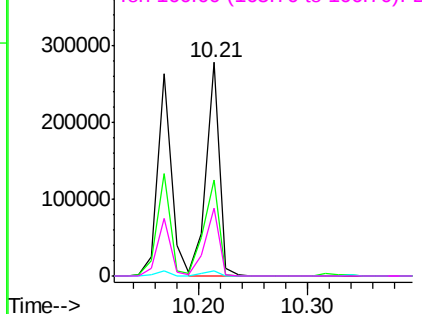
Abundance

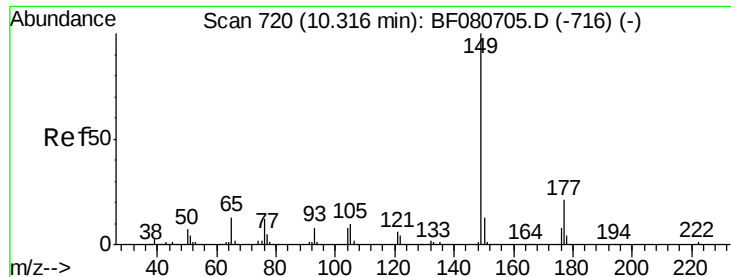
Ion 232.00 (231.70 to 232.70): E

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





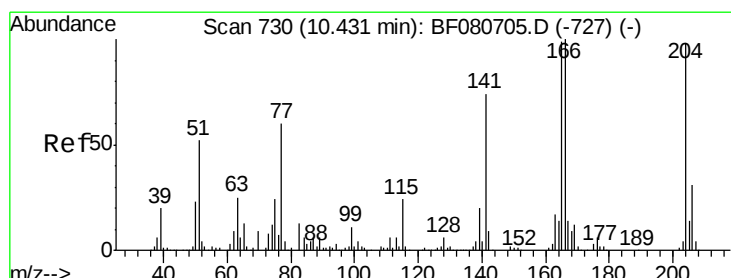
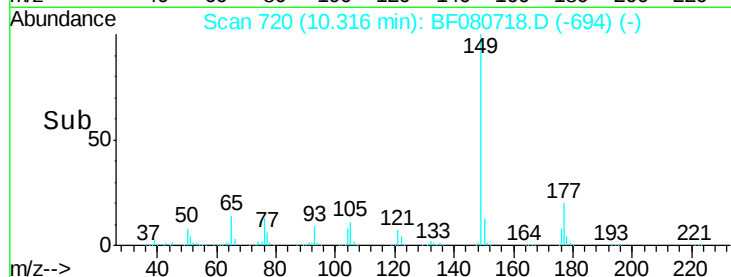
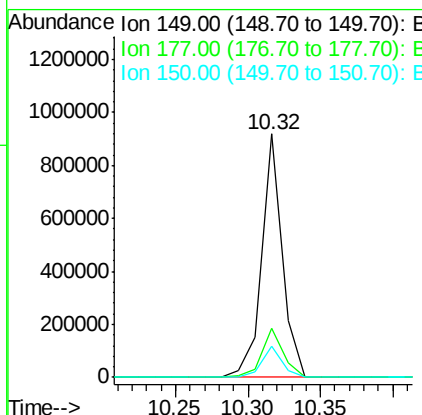
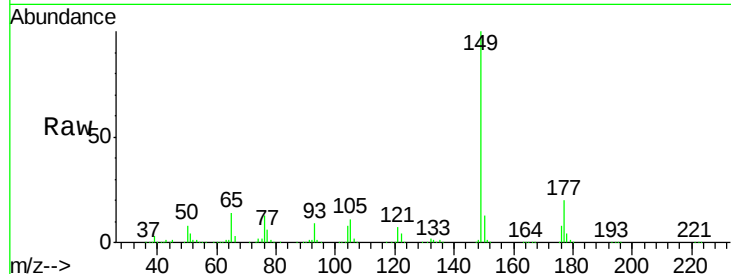
#59
Diethylphthalate
Concen: 42.08 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	899105		
177	20.2	16.6	25.0	
150	12.8	10.2	15.4	

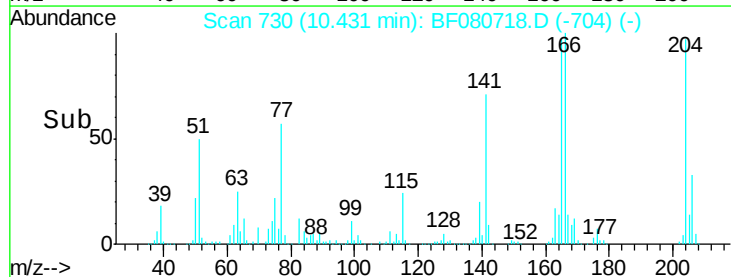
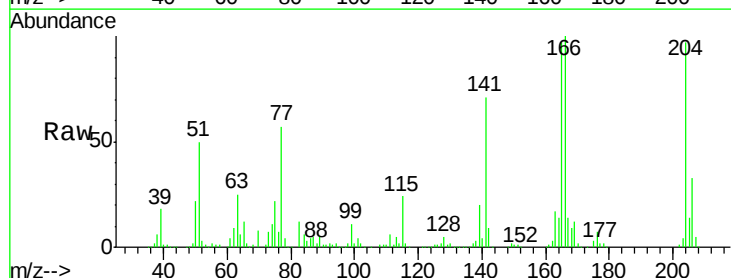
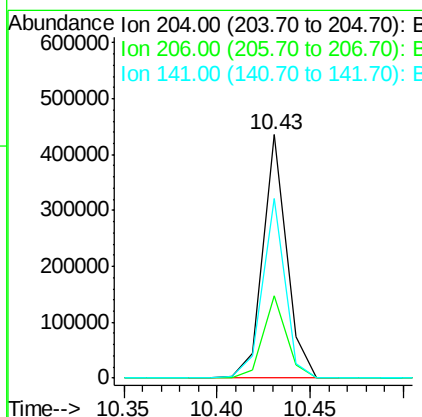
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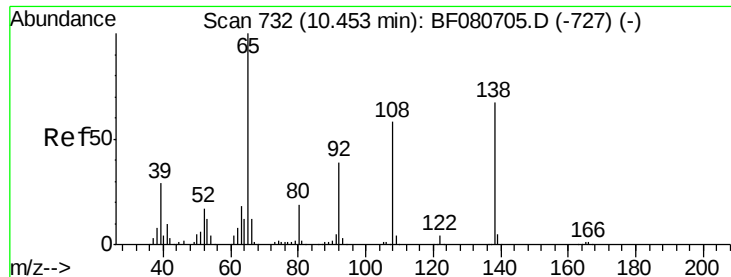
MMDadoda
7/31/2015 11:22:56 AM



#60
4-Chlorophenyl-phenylether
Concen: 44.42 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	381209		
206	33.7	25.1	37.7	
141	73.6	60.3	90.5	





#61

4-Nitroaniline

Concen: 36.88 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF080718.D

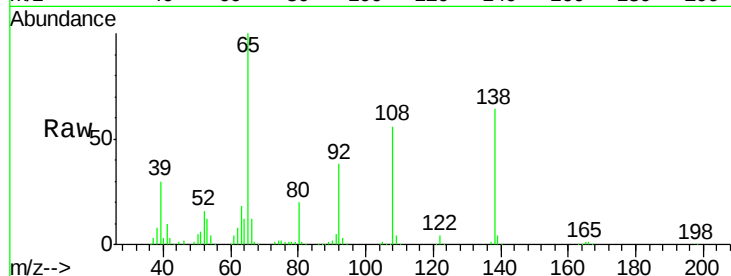
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD



Tgt Ion:138 Resp: 180728

Ion Ratio Lower Upper

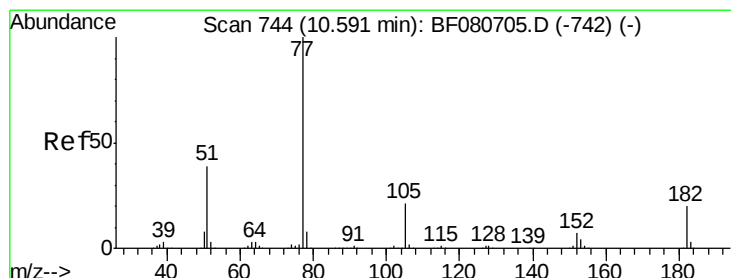
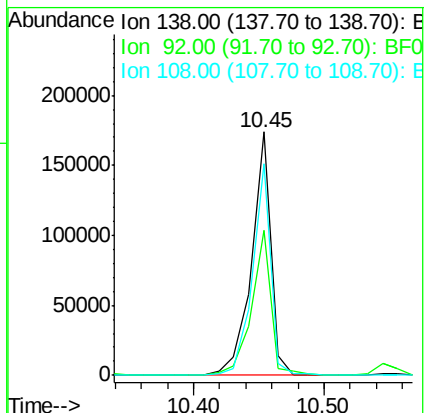
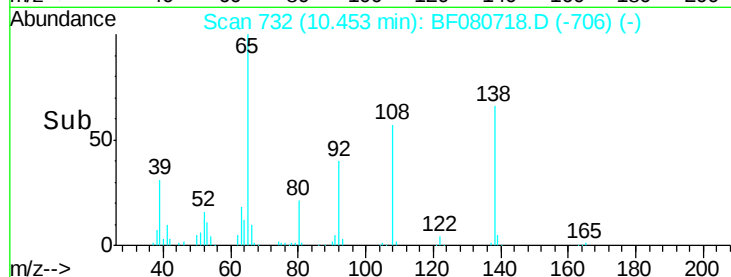
138 100

92 59.7 38.2 78.2

108 86.9 66.3 106.3

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#62

Azobenzene

Concen: 47.61 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

Tgt Ion: 77 Resp: 1101942

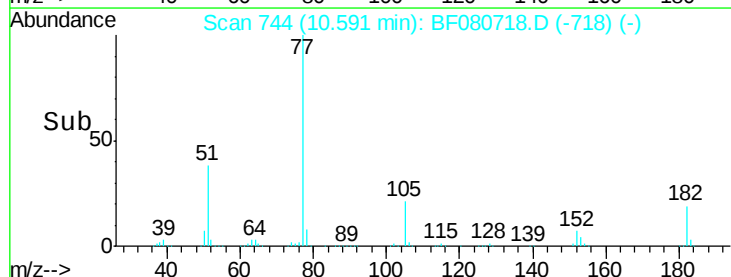
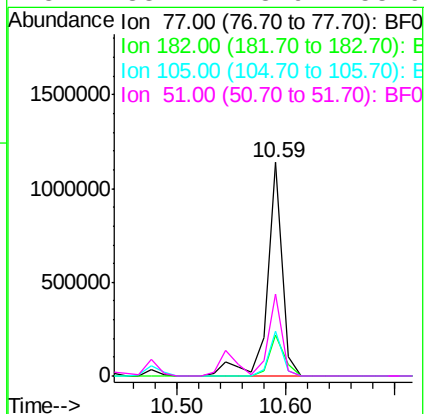
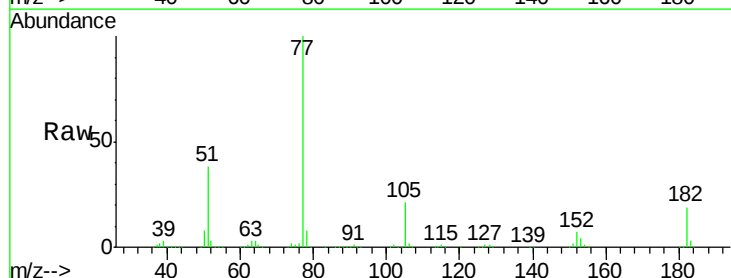
Ion Ratio Lower Upper

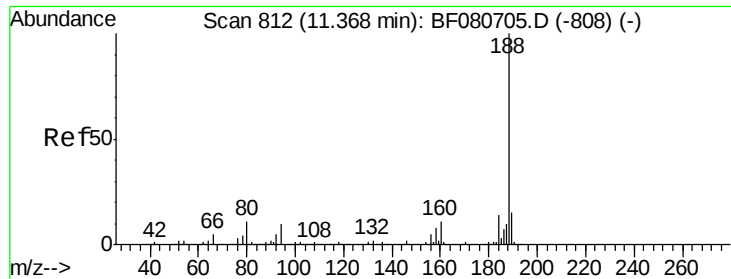
77 100

182 19.2 0.0 39.9

105 21.0 1.1 41.1

51 38.2 18.9 58.9





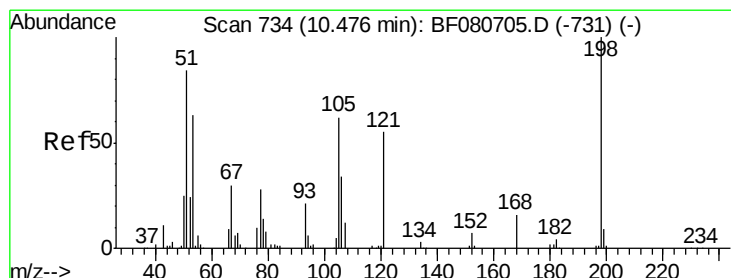
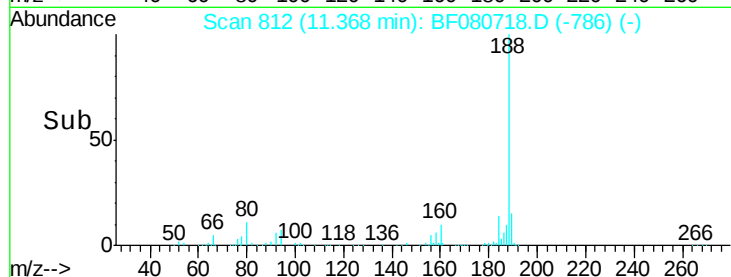
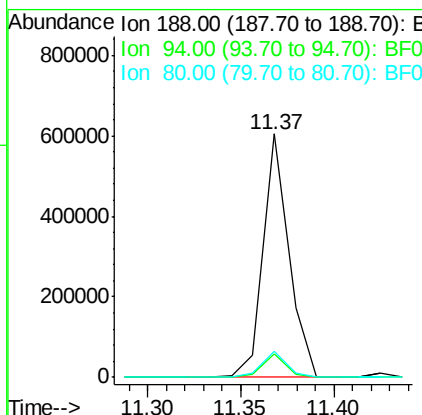
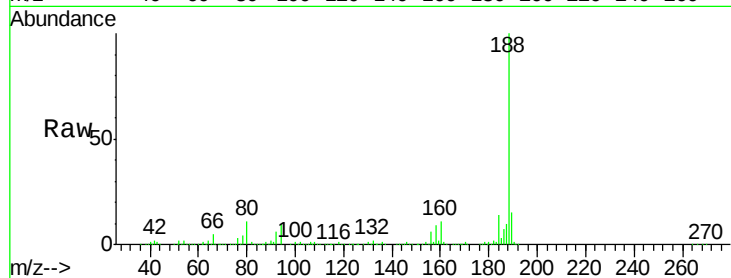
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	8.1	12.1
80	10.9	9.1	13.7

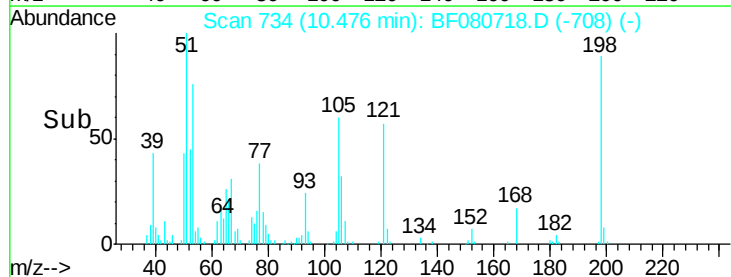
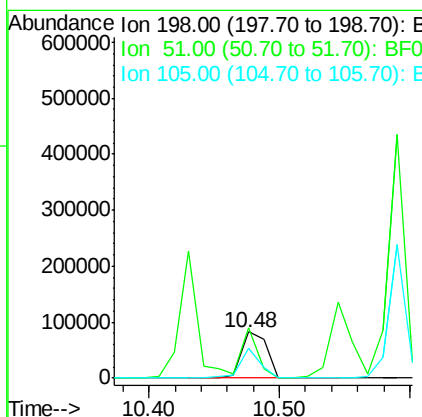
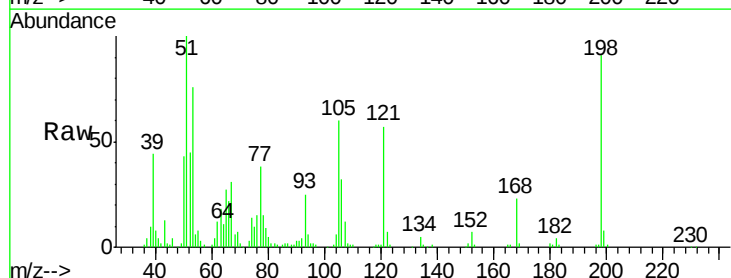
Manual Integrations
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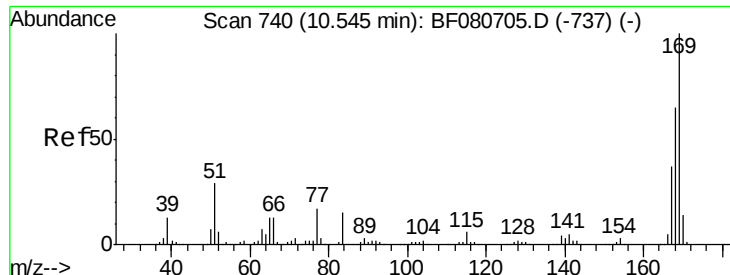
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#64
4,6-Dinitro-2-methylphenol
Concen: 31.94 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	109.5	84.6	124.6
105	65.7	43.0	83.0





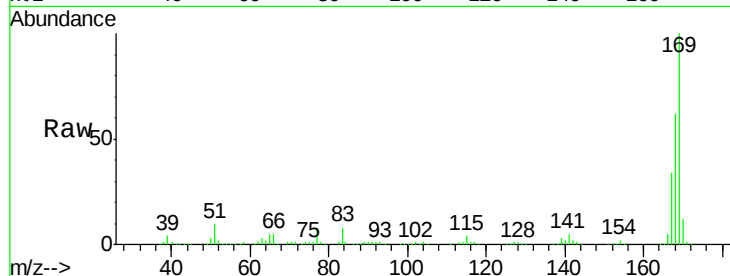
#65
n-Nitrosodiphenylamine
Concen: 42.27 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

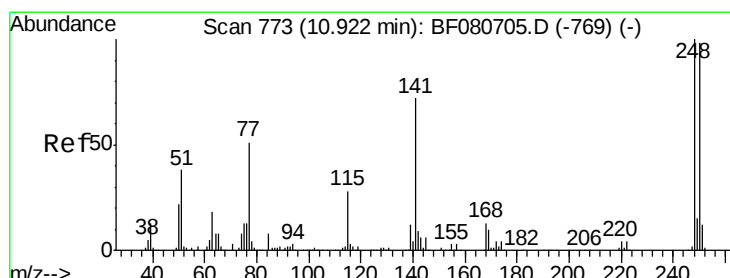
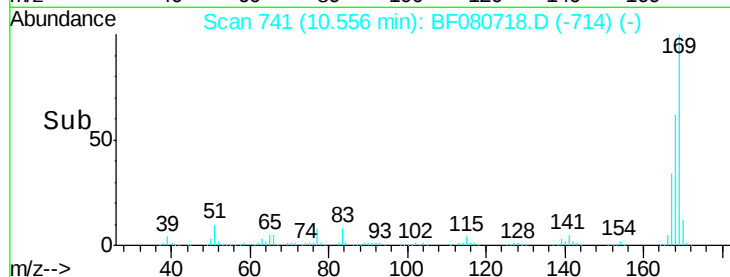
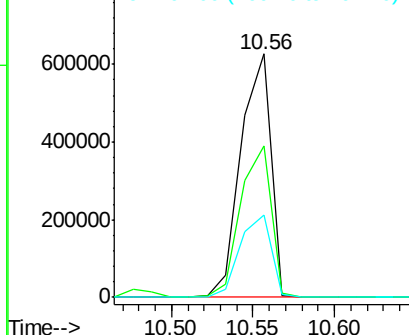
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	797415		
168	62.4	52.1	78.1	
167	34.0	29.3	43.9	

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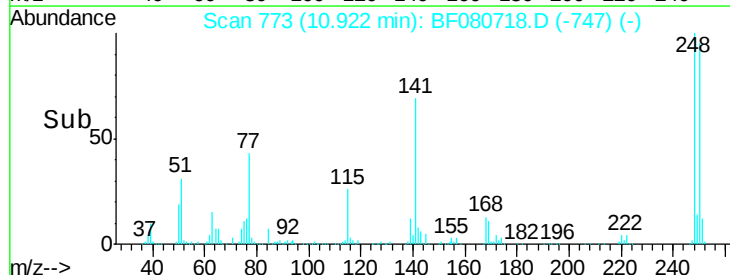
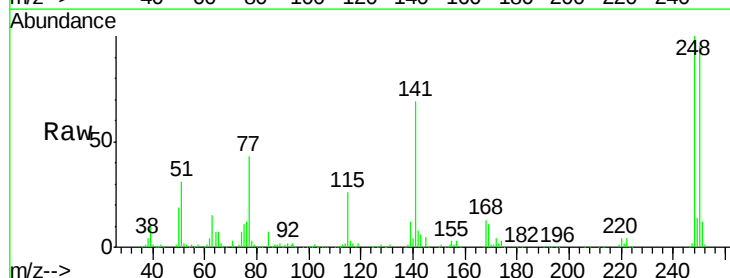
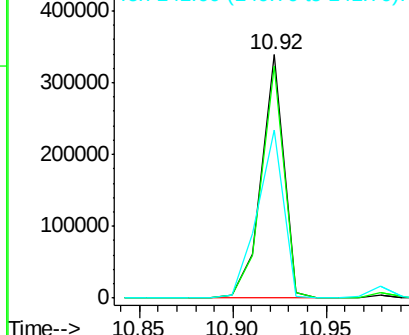
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

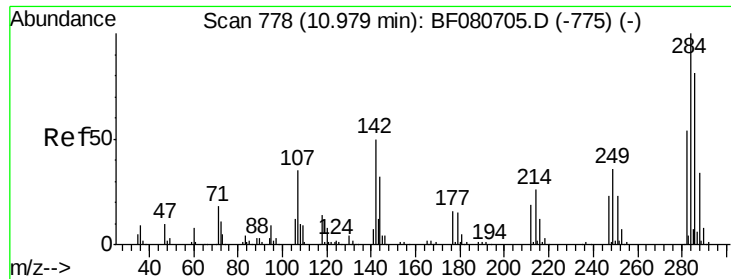


#66
4-Bromophenyl-phenylether
Concen: 47.41 ng
RT: 10.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	281644		
250	95.1	78.4	117.6	
141	68.9	57.5	86.3	

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





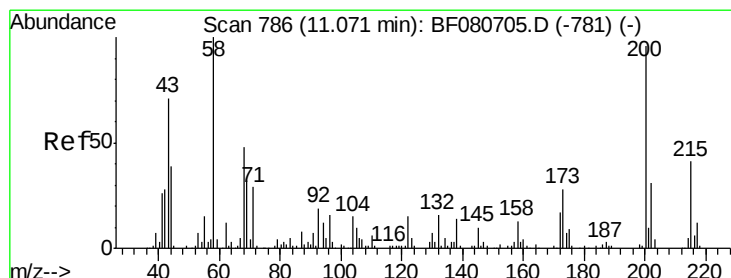
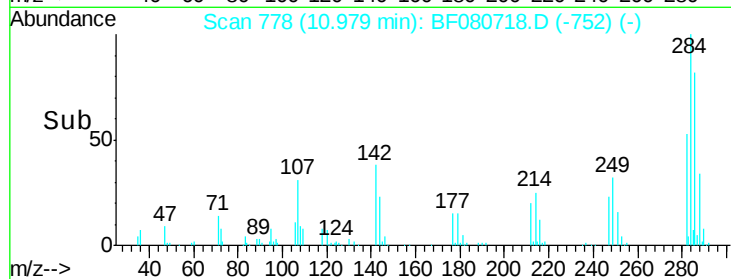
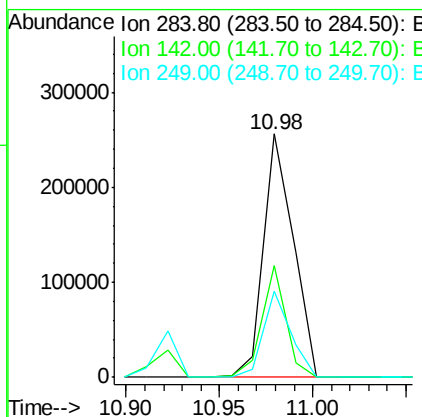
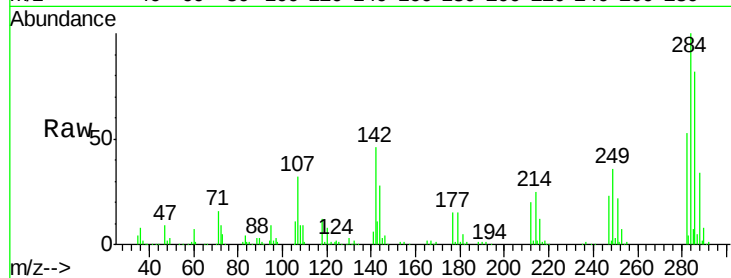
#67
Hexachlorobenzene
Concen: 40.97 ng
RT: 10.98 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	45.8	39.8	59.6
249	35.6	28.7	43.1

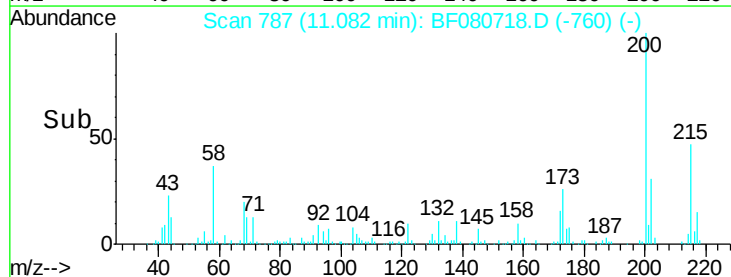
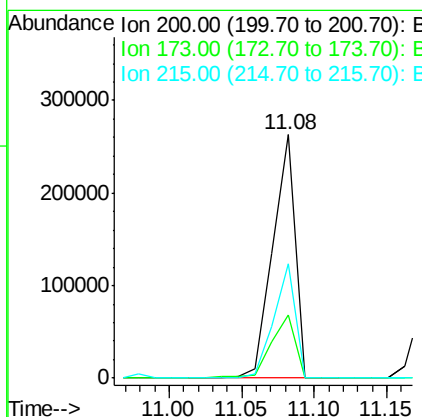
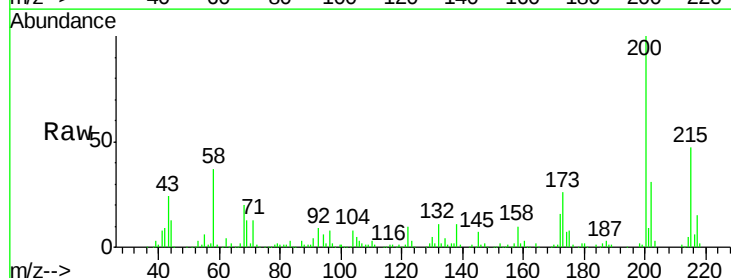
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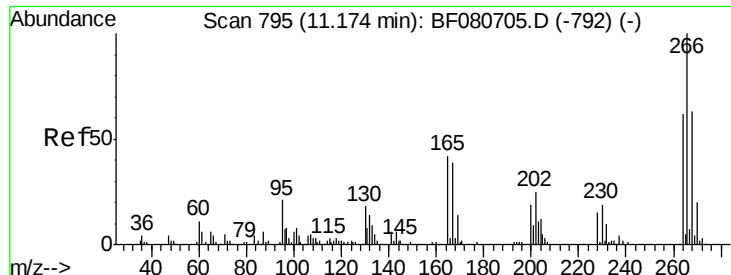
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#68
Atrazine
Concen: Below Cal
RT: 11.08 min Scan# 787
Delta R.T. 0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.8	8.6	48.6
215	47.0	22.2	62.2





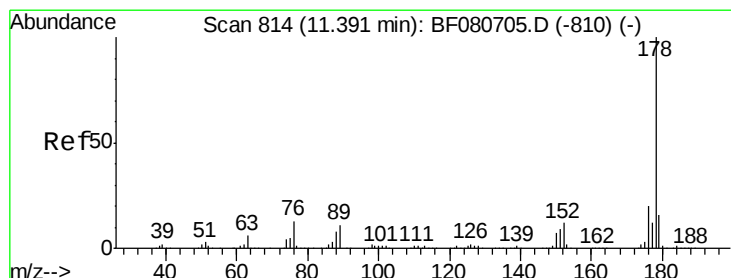
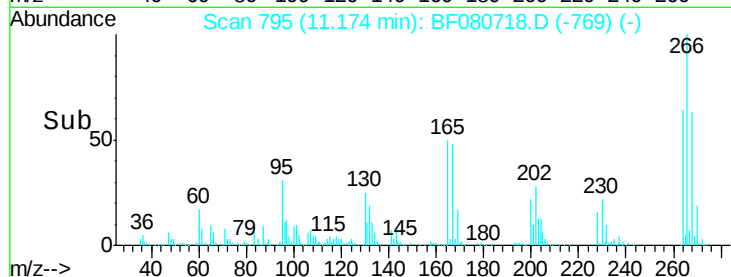
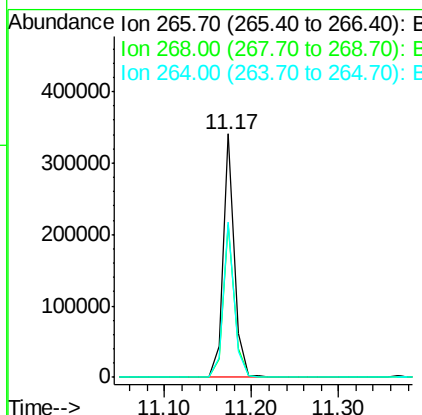
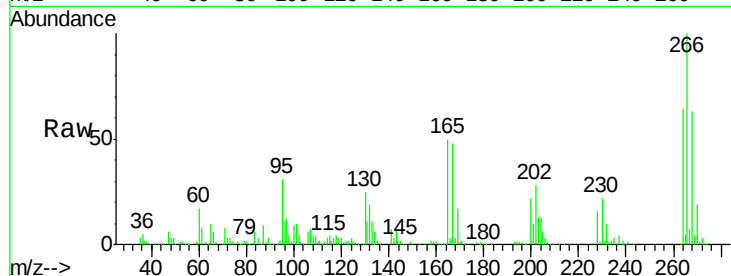
#69
 Pentachlorophenol
 Concen: 75.24 ng
 RT: 11.17 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	312719		
268	62.5	50.5	75.7	
264	63.7	50.0	75.0	

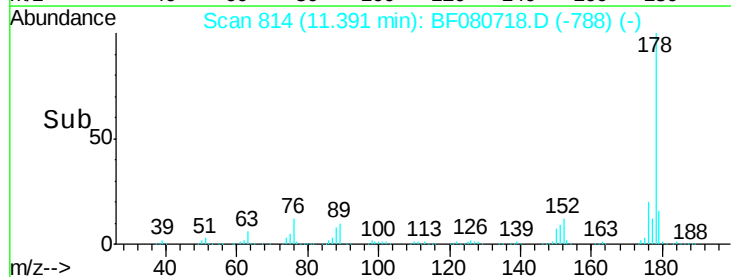
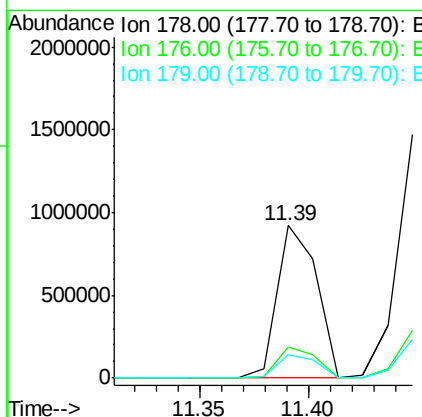
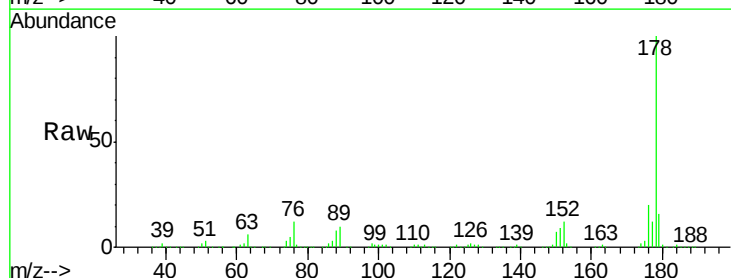
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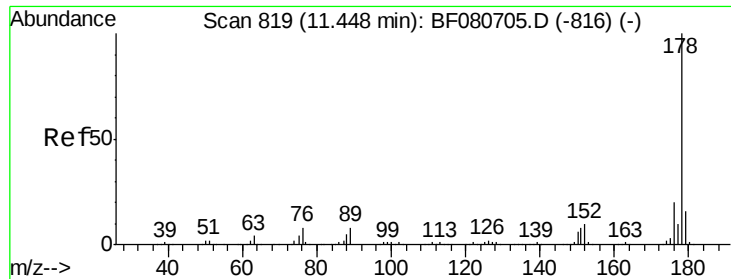
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#70
 Phenanthrene
 Concen: 40.43 ng
 RT: 11.39 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1172156		
176	20.5	16.2	24.4	
179	15.8	13.0	19.4	





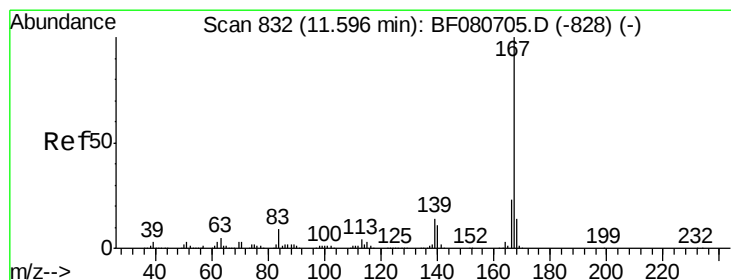
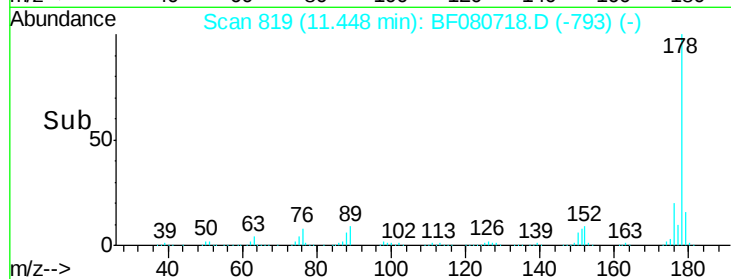
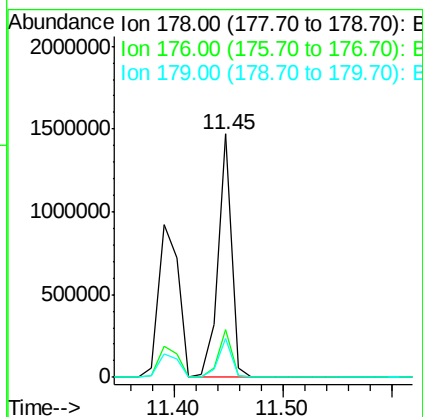
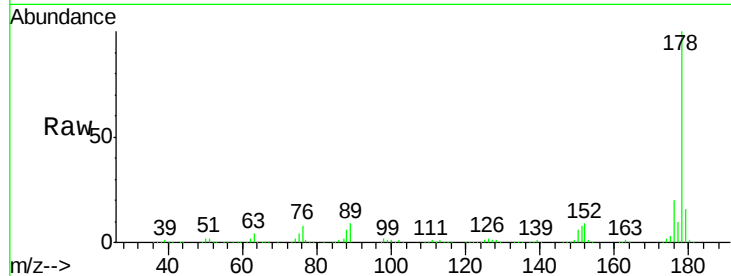
#71
 Anthracene
 Concen: 45.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.0	12.7	19.1

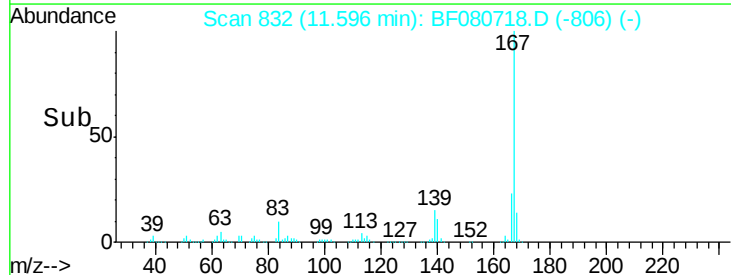
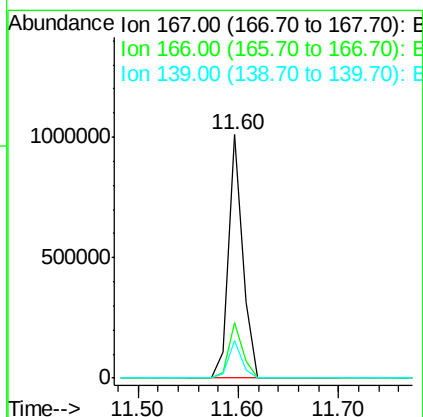
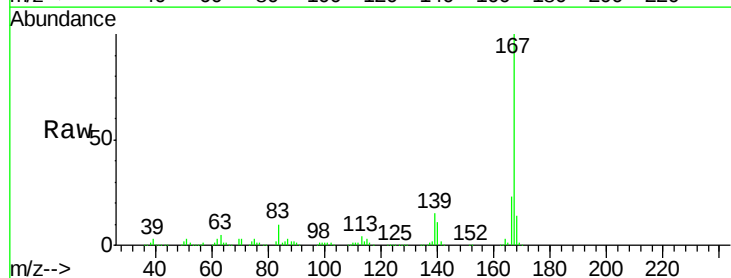
Manual Integrations
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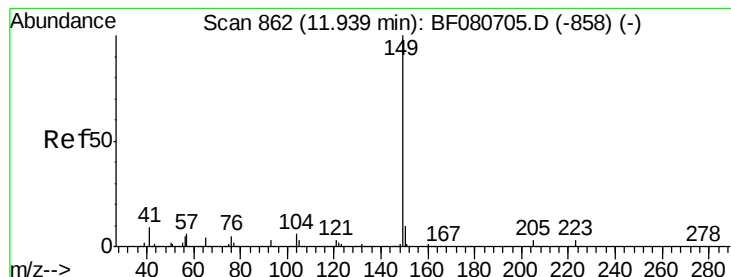
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#72
 Carbazole
 Concen: 40.15 ng
 RT: 11.60 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

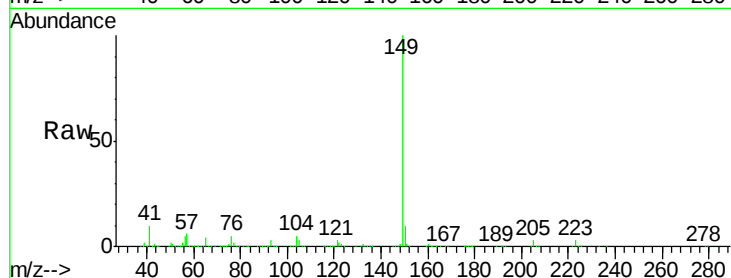
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	15.2	11.5	17.3





#73
Di-n-butylphthalate
Concen: 48.38 ng
RT: 11.94 min Scan# 862
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

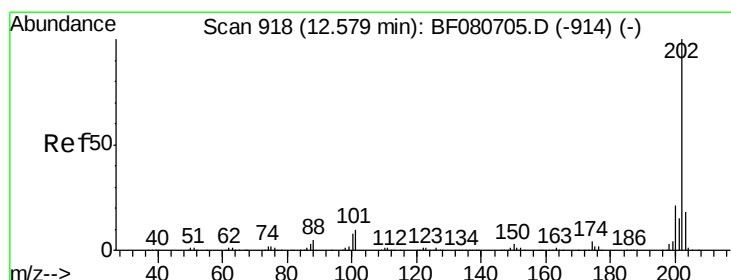
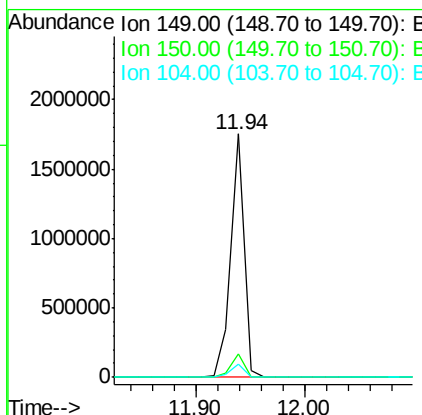
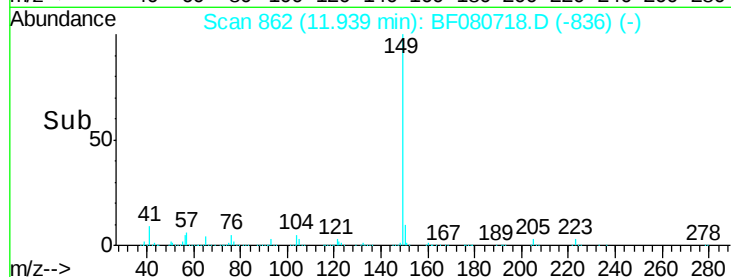
Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD



Tgt Ion:149 Resp: 1483438
Ion Ratio Lower Upper
149 100
150 9.8 7.6 11.4
104 5.5 4.4 6.6

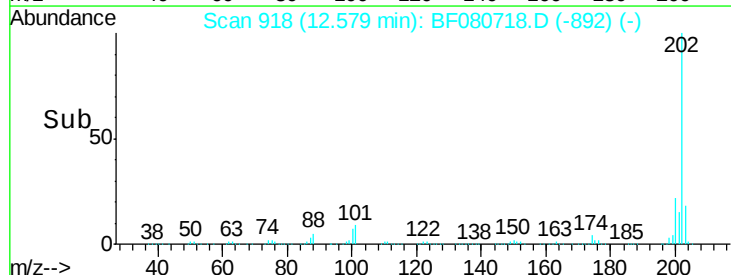
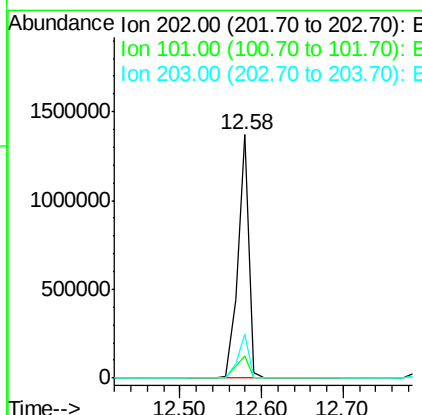
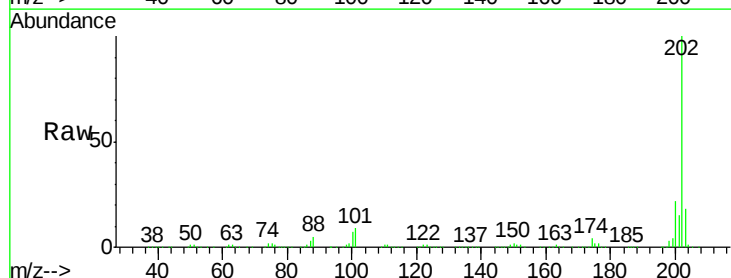
Manual Integrations
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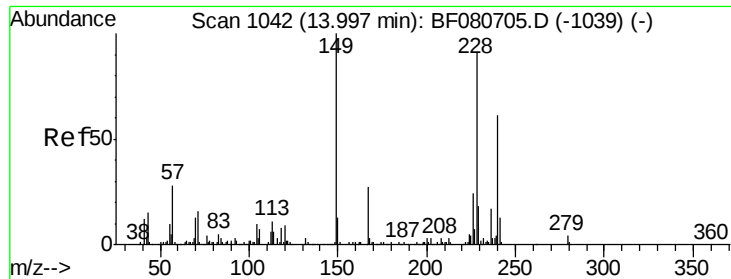
MMDadoda
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#74
Fluoranthene
Concen: 45.79 ng
RT: 12.58 min Scan# 918
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion:202 Resp: 1283402
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.6
203 18.0 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF080718.D

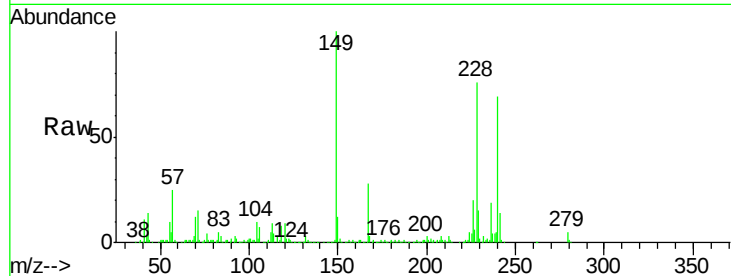
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD



Tgt Ion:240 Resp: 341370

Ion Ratio Lower Upper

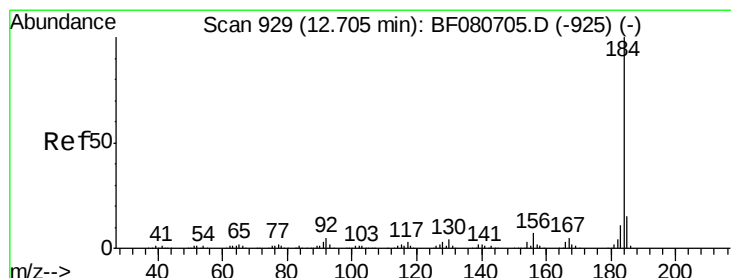
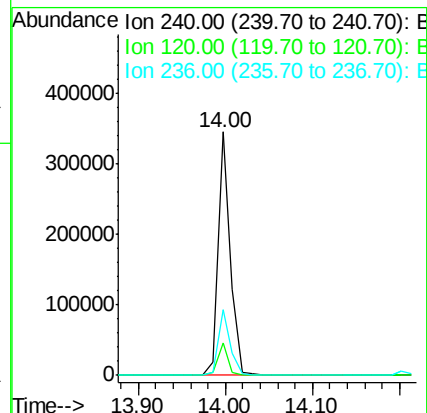
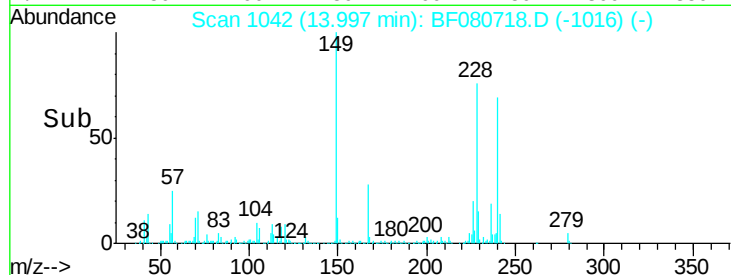
240 100

120 13.1 11.8 17.8

236 27.0 21.8 32.8

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#76

Benzidine

Concen: 17.32 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

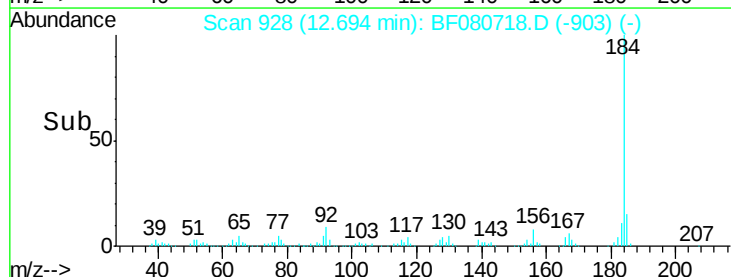
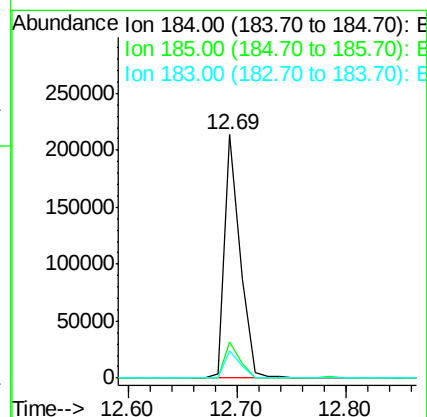
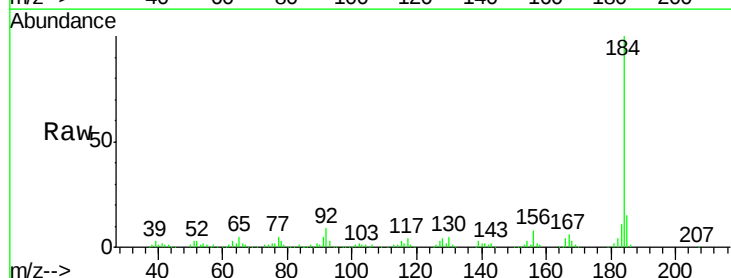
Tgt Ion:184 Resp: 215220

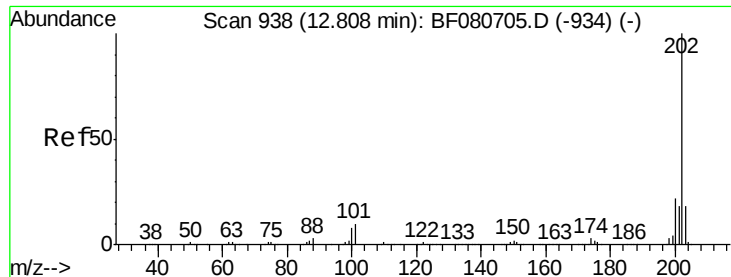
Ion Ratio Lower Upper

184 100

185 14.9 12.0 18.0

183 11.3 9.1 13.7





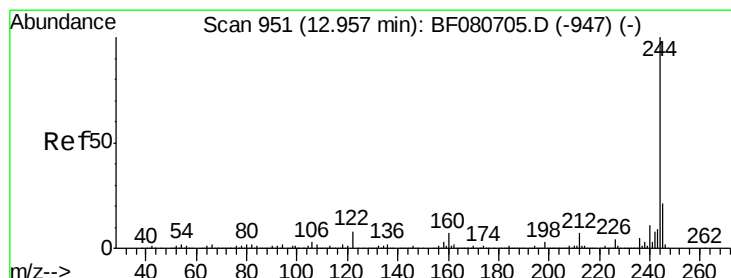
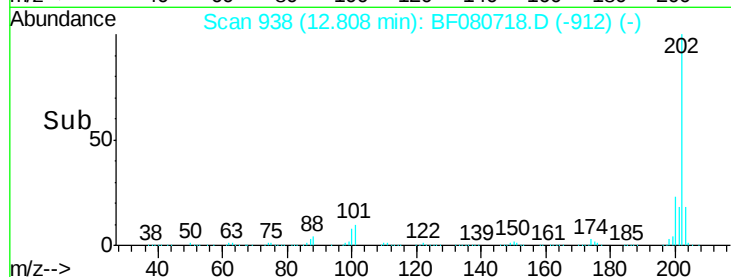
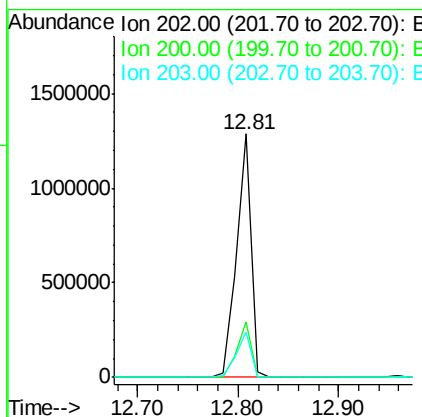
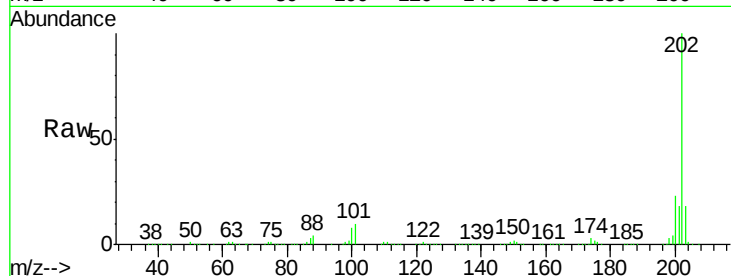
#77
 Pyrene
 Concen: 48.60 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.4	26.2
203	18.4	14.2	21.2

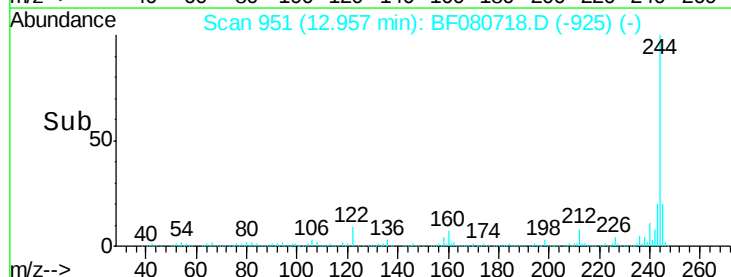
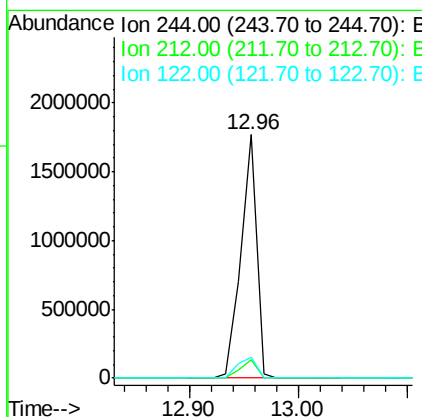
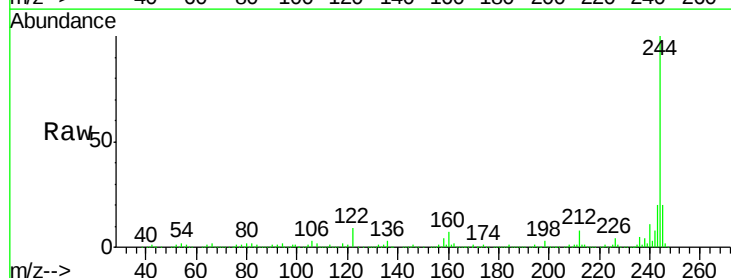
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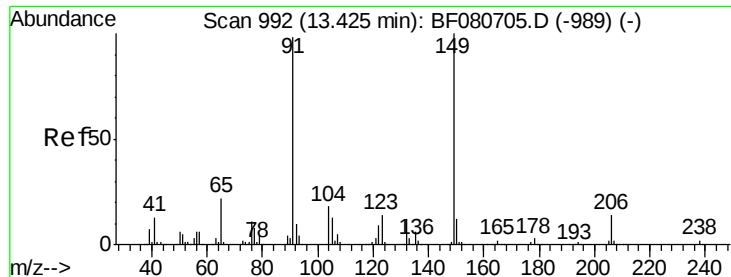
MMDadoda
 7/31/2015 11:22:56 AM



#78
 Terphenyl-d14
 Concen: 96.77 ng
 RT: 12.96 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.9	8.9
122	8.6	6.6	9.8





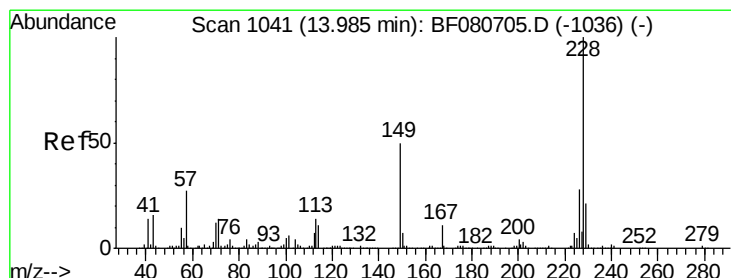
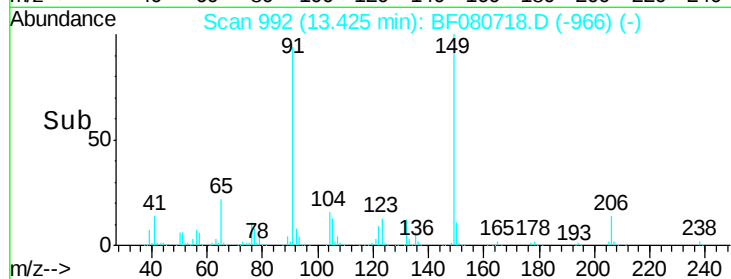
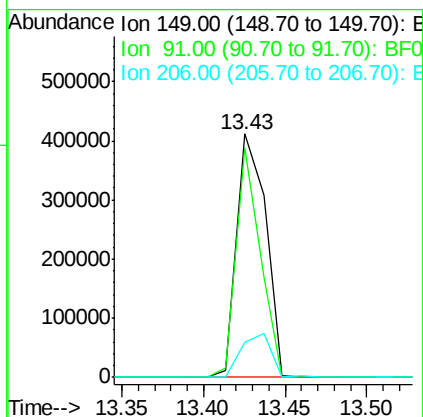
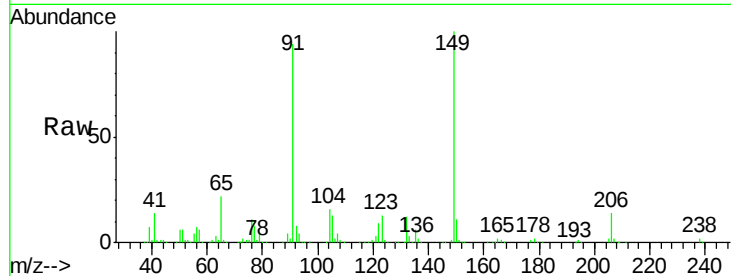
#79
Butylbenzylphthalate
Concen: 45.80 ng
RT: 13.43 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	503347		
91	94.4	78.6	118.0	
206	14.3	11.4	17.2	

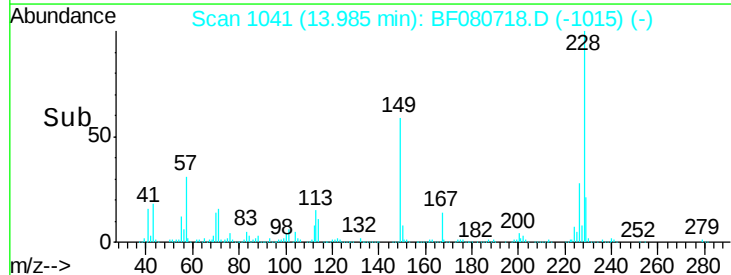
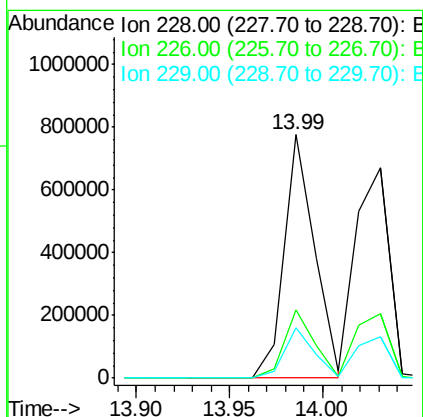
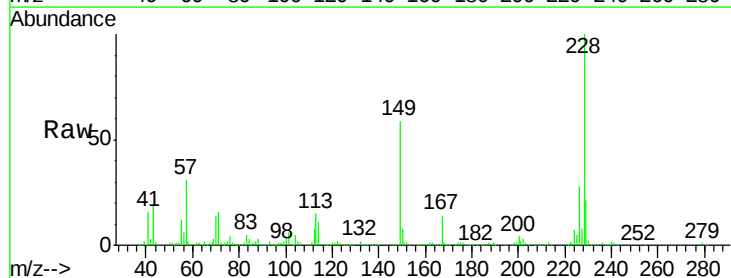
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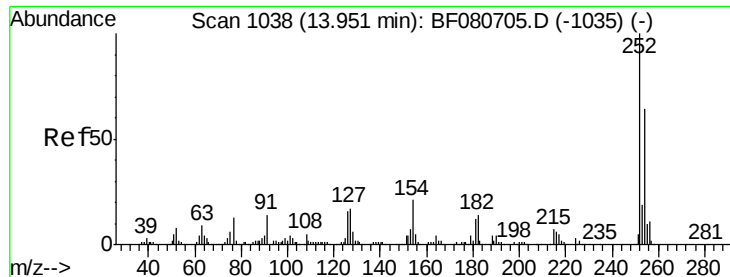
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#80
Benzo(a)anthracene
Concen: 43.05 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	883762		
226	28.0	22.6	33.8	
229	20.7	16.6	25.0	





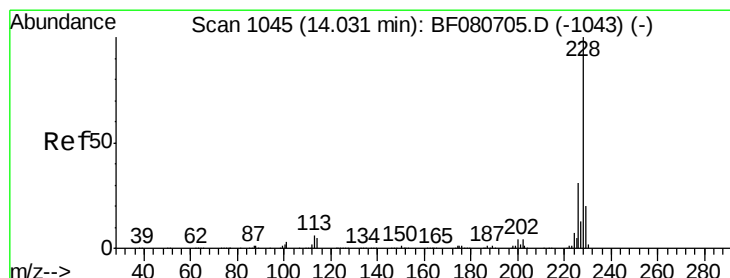
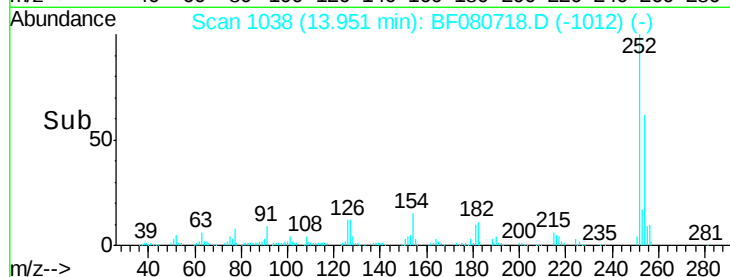
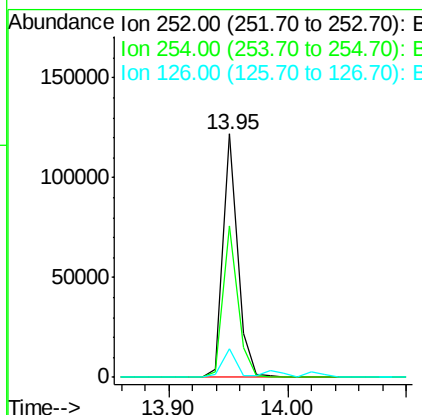
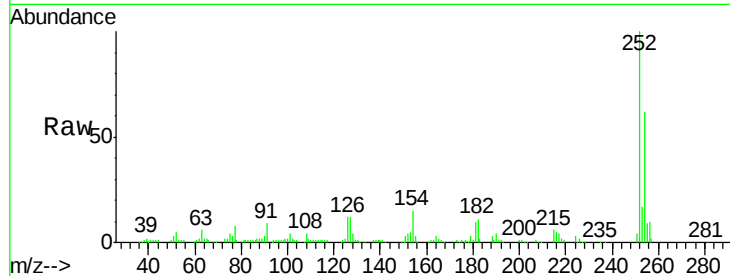
#81
 3,3'-Dichlorobenzidine
 Concen: 14.73 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.2	51.0	76.4
126	11.8	13.2	19.8

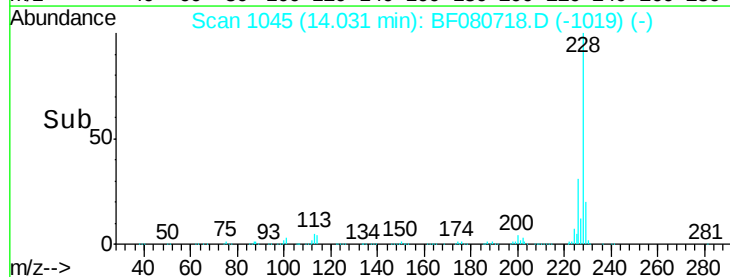
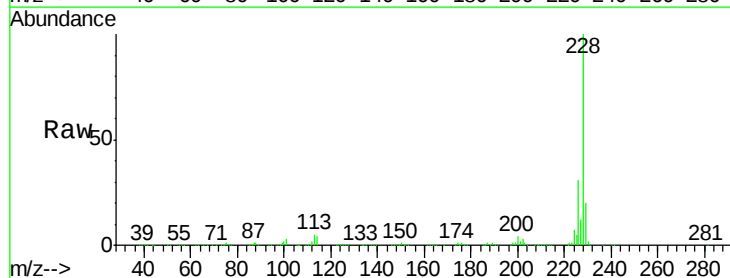
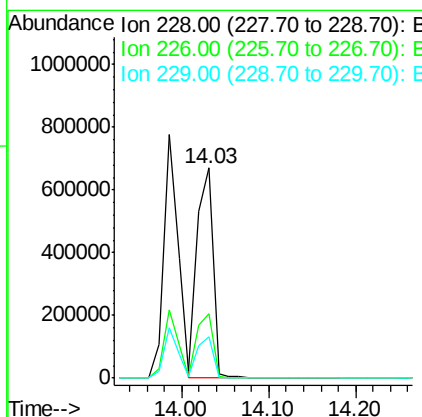
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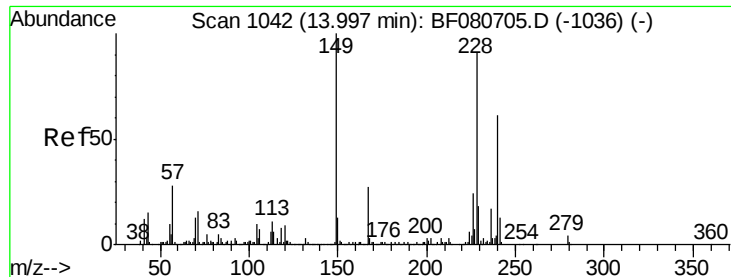
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#82
 Chrysene
 Concen: 42.32 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.1	37.7
229	20.0	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.13 ng

RT: 14.00 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF080718.D

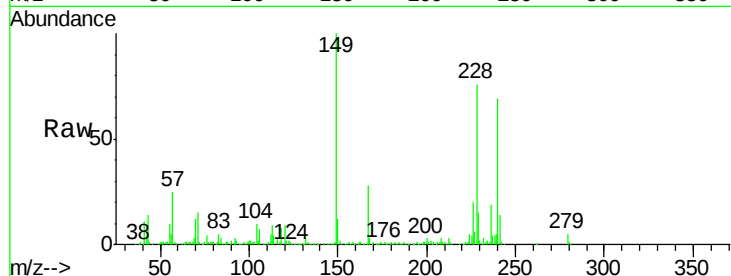
Acq: 31 Jul 2015 4:32

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MSD



Tgt Ion:149 Resp: 673939

Ion Ratio Lower Upper

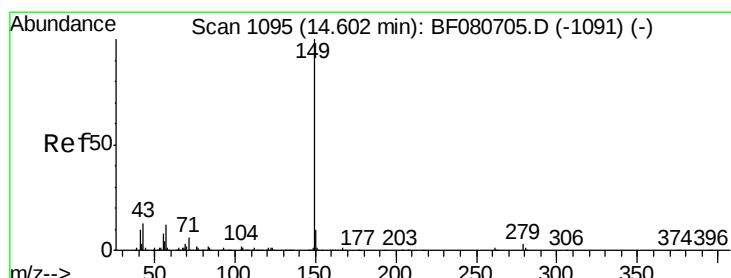
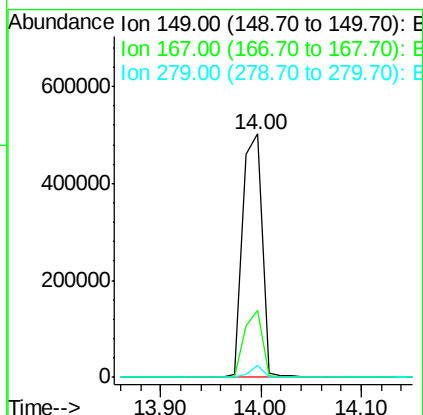
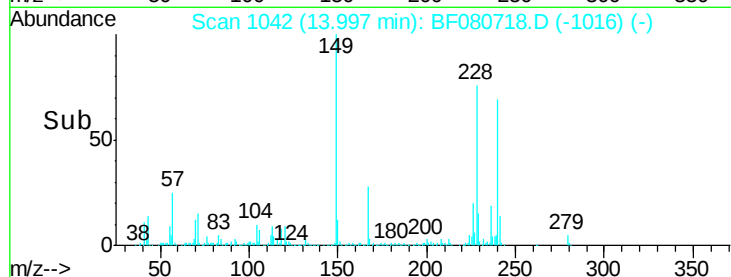
149 100

167 27.5 21.8 32.8

279 4.8 3.4 5.0

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#84

Di-n-octyl phthalate

Concen: 50.18 ng

RT: 14.60 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BF080718.D

Acq: 31 Jul 2015 4:32

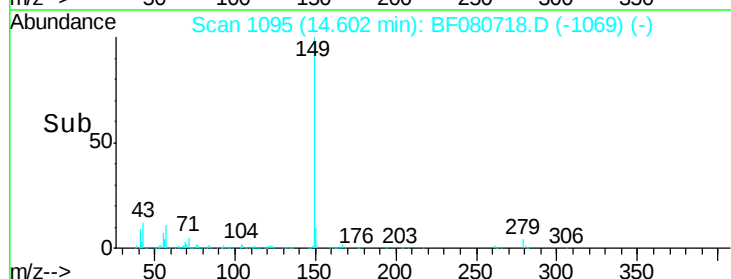
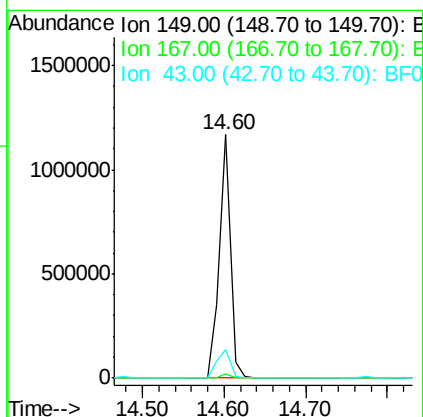
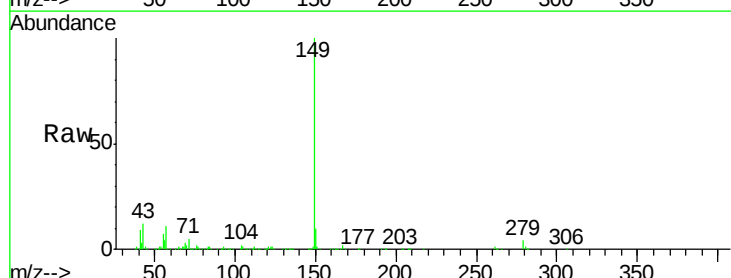
Tgt Ion:149 Resp: 1108935

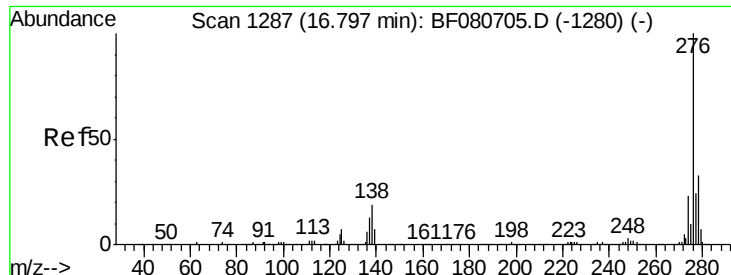
Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 14.2 12.2 18.4





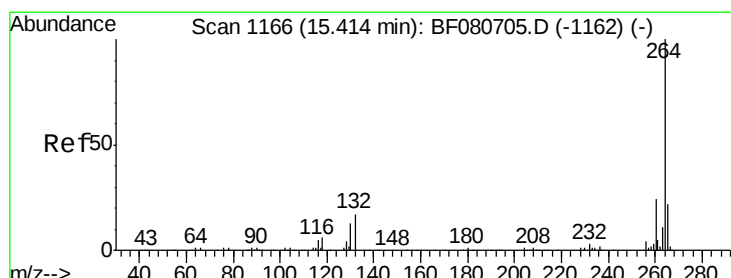
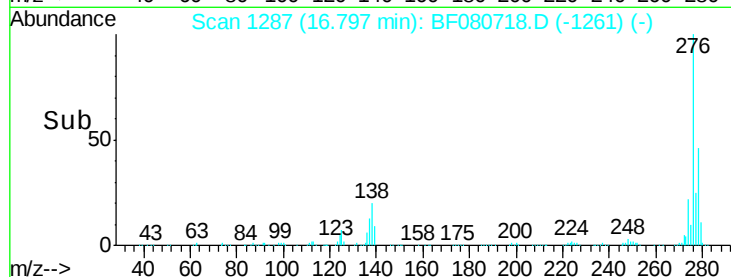
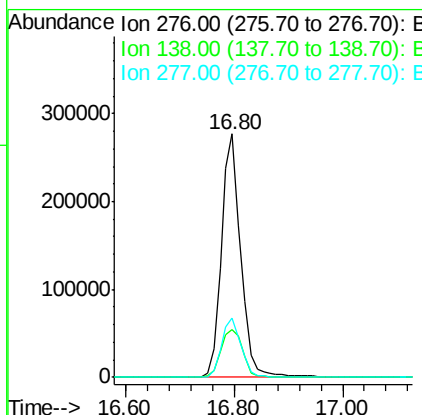
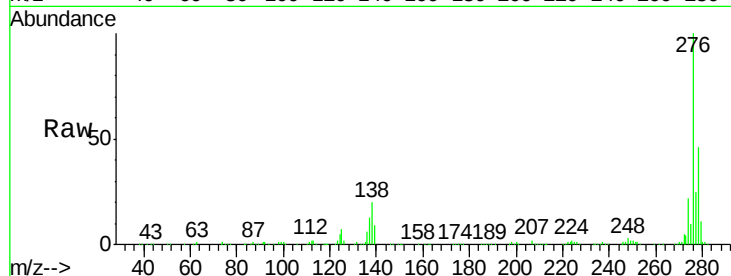
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.59 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.5	13.2	19.8#
277	25.0	15.4	23.2#

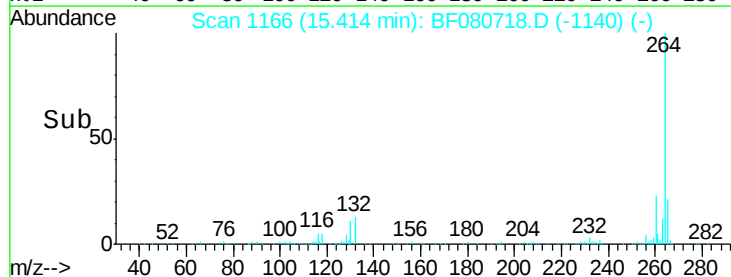
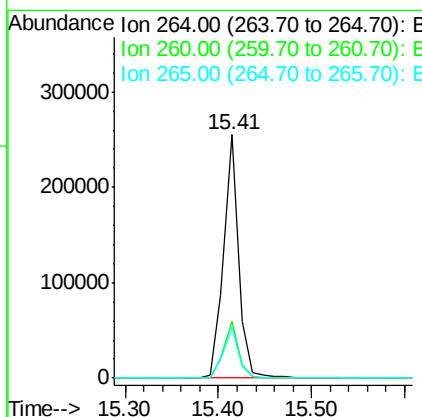
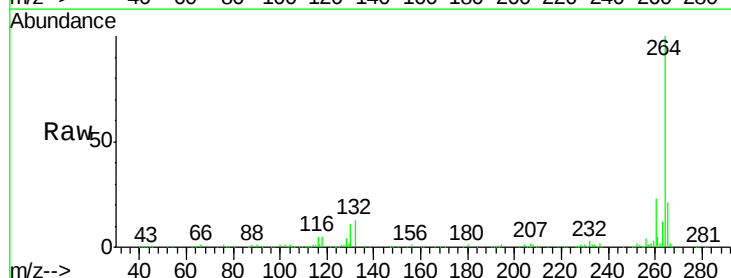
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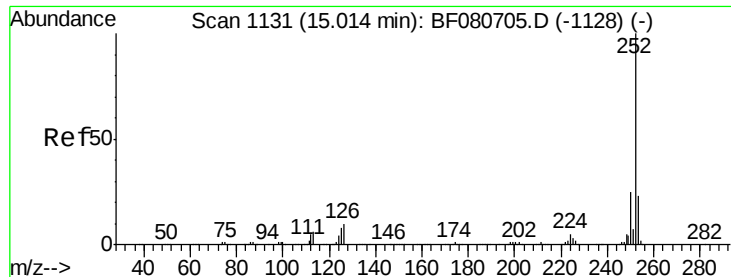
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.2	19.4	29.0
265	20.8	17.3	25.9





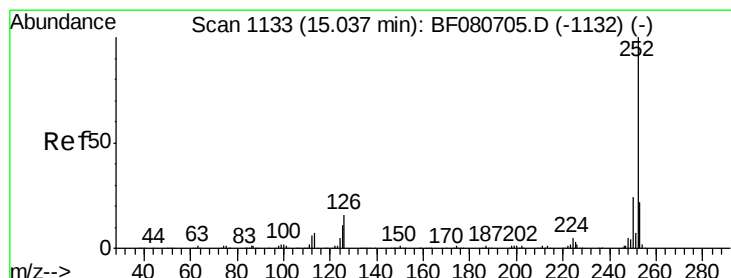
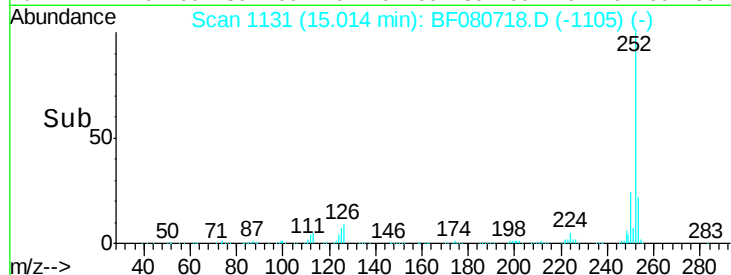
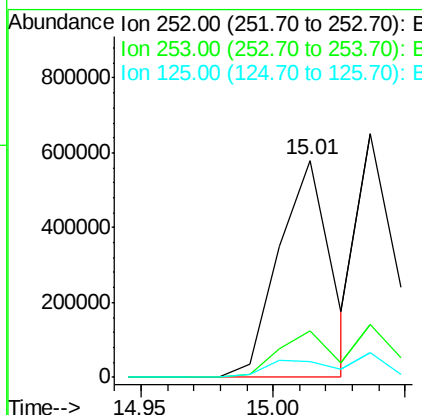
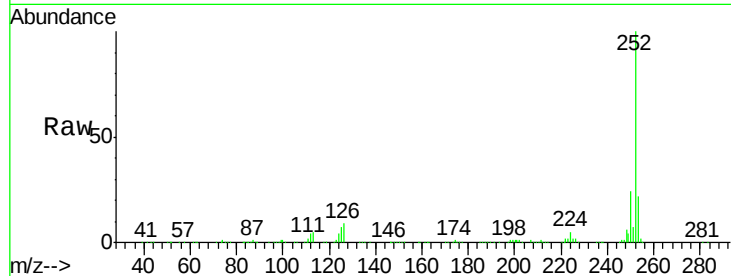
#87
Benzo(b)fluoranthene
Concen: 45.53 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	7.2	6.2	9.2

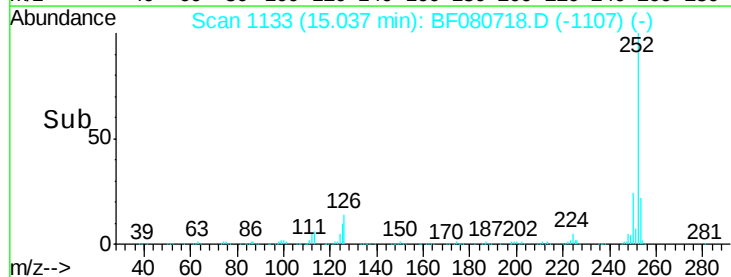
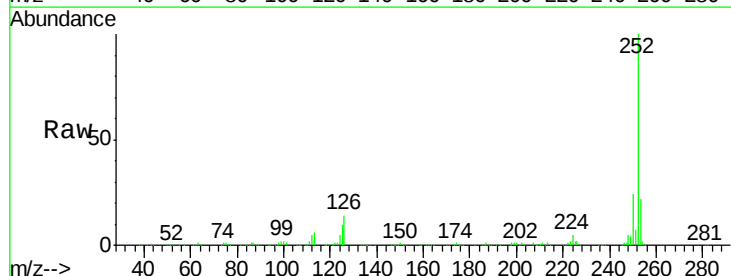
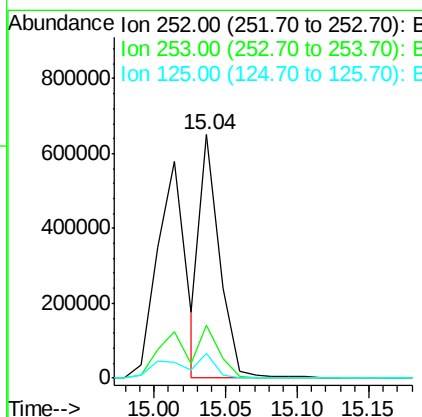
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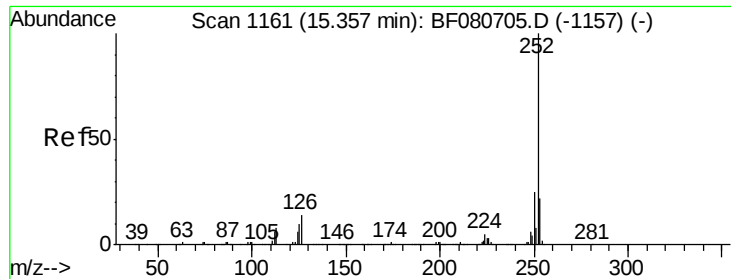
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#88
Benzo(k)fluoranthene
Concen: 45.29 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.0	9.0	13.4





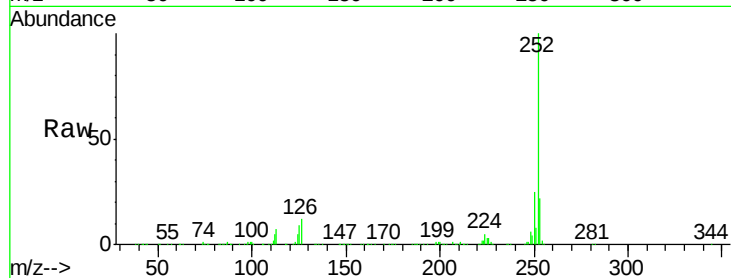
#89
Benzo(a)pyrene
Concen: 46.70 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MSD

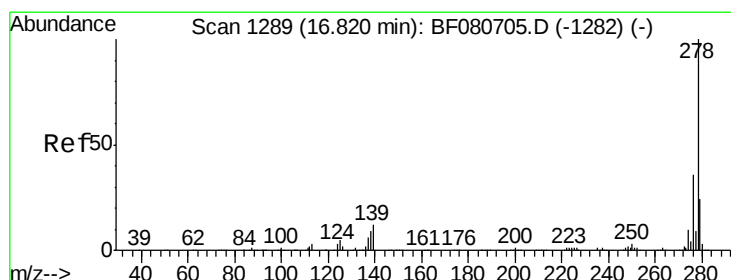
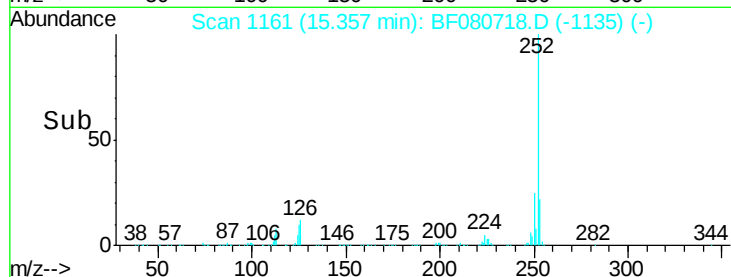
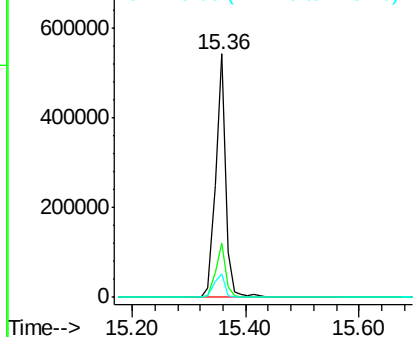
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.5	8.2	12.4

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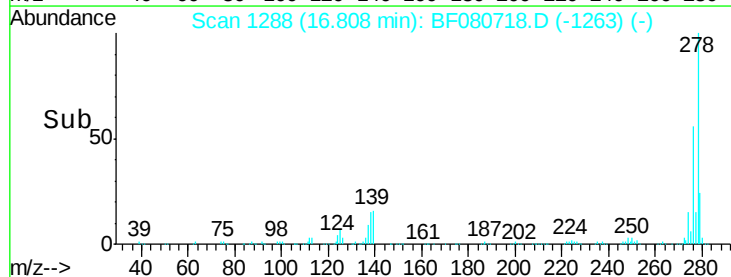
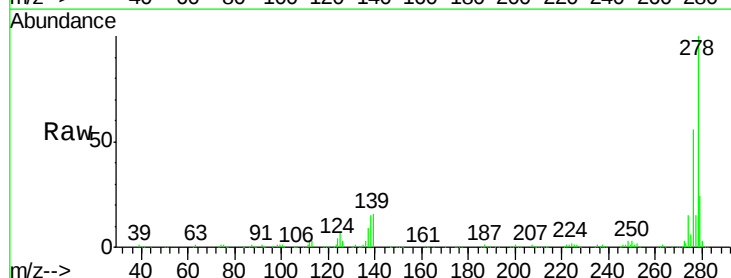
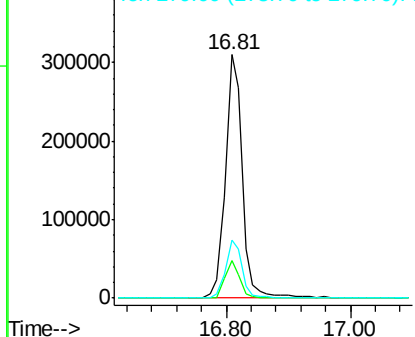
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

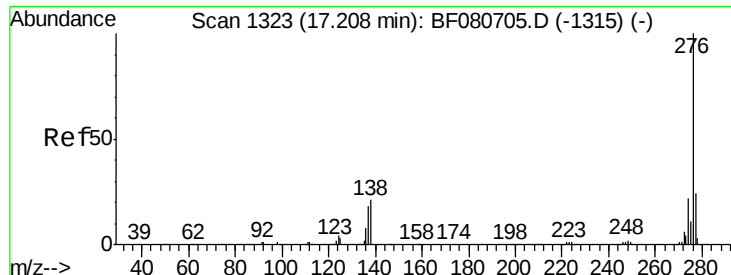


#90
Dibenzo(a,h)anthracene
Concen: 46.16 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF080718.D
Acq: 31 Jul 2015 4:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	9.8	14.8#
279	24.0	19.4	29.2

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 46.20 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF080718.D
 Acq: 31 Jul 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MSD

Tgt Ion:	276	Resp:	573923
Ion Ratio		Lower	Upper
276	100		
277	23.4	18.9	28.3
138	19.1	16.9	25.3

Manual Integrations
 APPROVED

MMDadoda
 7/31/2015 11:22:56 AM

