

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
 Data File : BF088919.D
 Acq On : 12 Jul 2016 00:45
 Operator : UM/SJ
 Sample : H3921-24
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B5(0-8)C

Manual Integrations

sohil
 7/12/2016 7:35:20 PM

Quant Time: Jul 12 03:42:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	61688	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	251986	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	98524	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	155857	20.00	ng	0.00
75) Chrysene-d12	13.84	240	127434	20.00	ng	-0.01
86) Perylene-d12	15.22	264	106195	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	416703	101.24	ng	0.01
7) Phenol-d6	6.35	99	545827	102.63	ng	0.00
23) Nitrobenzene-d5	7.28	82	344481	71.64	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	92540	101.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	472853	75.81	ng	0.00
78) Terphenyl-d14	12.80	244	337969	59.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	1117	0.55	ng	# 87
6) Aniline	6.48	93	459	0.06	ng	# 1
9) Benzaldehyde	6.25	77	6170	1.71	ng	# 85
10) Phenol	6.36	94	4056	0.67	ng	# 1
11) bis(2-Chloroethyl)ether	6.48	93	459	0.10	ng	# 1
15) Benzyl Alcohol	6.87	79	6264	1.60	ng	# 46
17) 2-Methylphenol	6.86	107	210	0.06	ng	# 1
20) 3+4-Methylphenols	7.13	107	245	0.06	ng	# 56
22) Acetophenone	7.12	105	327	0.05	ng	# 57
24) Nitrobenzene	7.28	77	1150	0.24	ng	# 30
31) Naphthalene	8.02	128	1259	0.10	ng	# 68
37) 2-Methylnaphthalene	8.71	142	637	0.08	ng	# 91
45) 1,1'-Biphenyl	9.18	154	277	0.03	ng	# 43
47) 2-Nitroaniline	9.46	65	752	0.33	ng	# 1
48) Acenaphthylene	9.61	152	2066	0.20	ng	# 86
49) Dimethylphthalate	9.47	163	82911	11.81	ng	# 99
50) 2,6-Dinitrotoluene	9.47	165	804	0.52	ng	# 1
51) Acenaphthene	9.77	154	506	0.08	ng	# 59
54) Dibenzofuran	9.95	168	654	0.08	ng	# 49
57) Fluorene	10.28	166	664	0.11	ng	# 85
62) Azobenzene	10.39	77	1164	0.14	ng	# 19
65) n-Nitrosodiphenylamine	10.52	169	2853	0.54	ng	# 42
70) Phenanthrene	11.24	178	11903	1.40	ng	# 97
71) Anthracene	11.29	178	3192	0.38	ng	# 95
72) Carbazole	11.45	167	1327	0.17	ng	# 82
73) Di-n-butylphthalate	11.79	149	2354	0.25	ng	# 77
74) Fluoranthene	12.42	202	27498	3.18	ng	# 99
76) Benzidine	12.69	184	254	0.04	ng	# 1
77) Pyrene	12.65	202	26086	2.41	ng	# 98
79) Butylbenzylphthalate	13.28	149	2736	0.57	ng	# 78
80) Benzo(a)anthracene	13.83	228	16531	2.01	ng	# 96
82) Chrysene	13.87	228	13663m	1.68	ng	#
83) Bis(2-ethylhexyl)phthalate	13.85	149	14022	2.55	ng	# 92
84) Di-n-octyl phthalate	14.46	149	723	0.08	ng	# 100

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N8-B5(0-8)C

Manual Integrations

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.50	276	7768	1.24	nq	# 100
87) Benzo(b)fluoranthene	14.83	252	18657m	2.80	nq	
89) Benzo(a)pyrene	15.17	252	12157	2.16	nq	98
90) Dibenzo(a,h)anthracene	16.51	278	2156	0.46	nq	# 60
91) Benzo(g,h,i)perylene	16.89	276	7827	1.61	nq	92

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

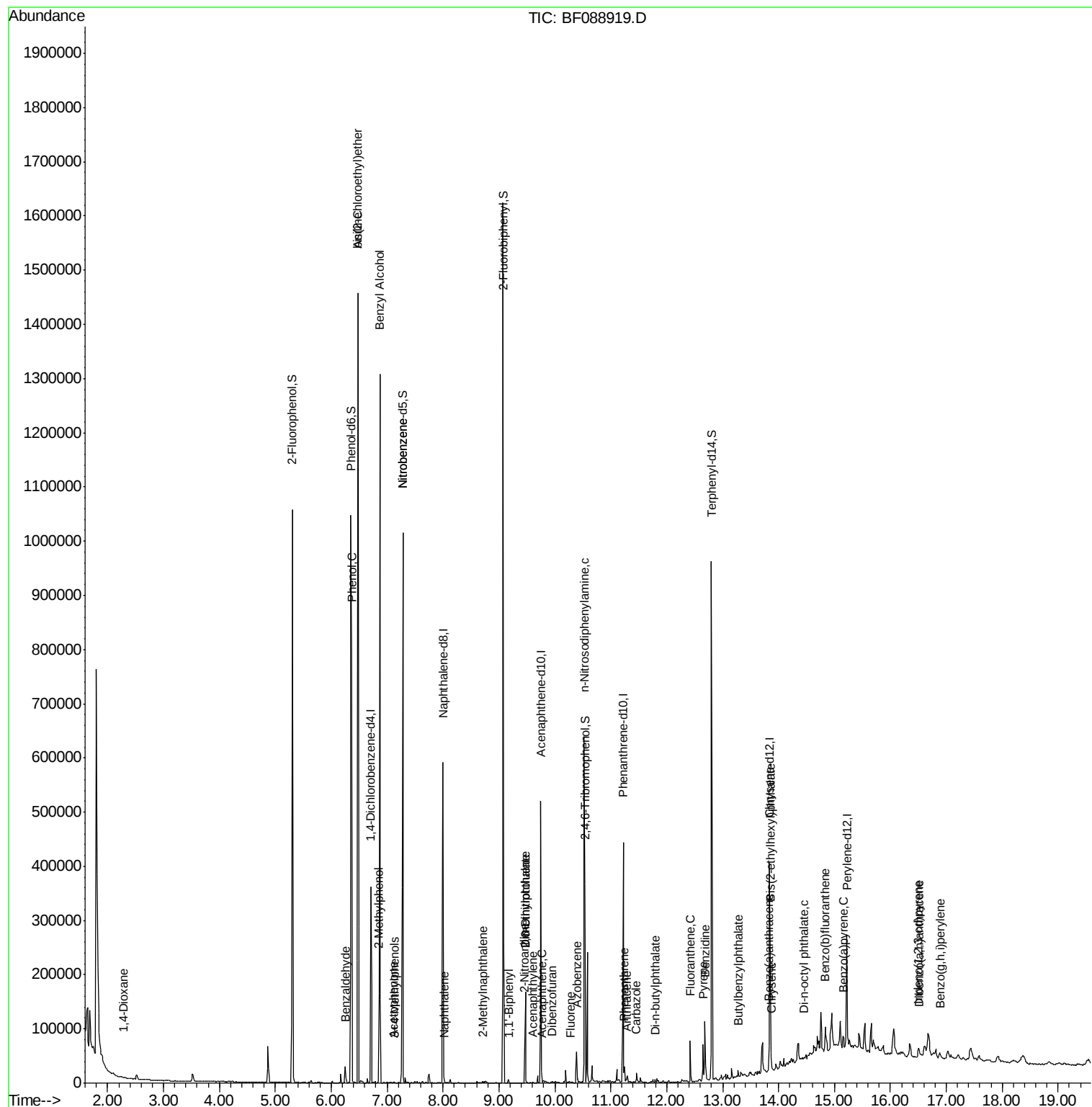
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071116\
Data File : BF088919.D
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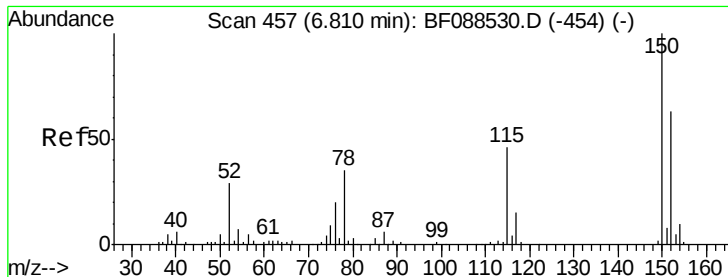
Instrument :
BNA_F
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

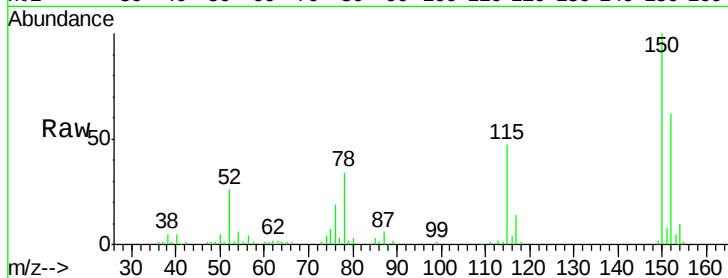
ClientSampled :

N8-B5(0-8)C

Manual Integrations

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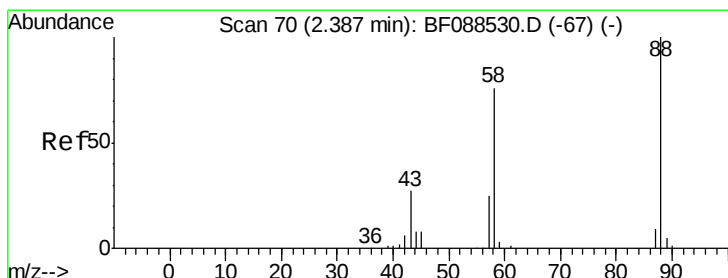
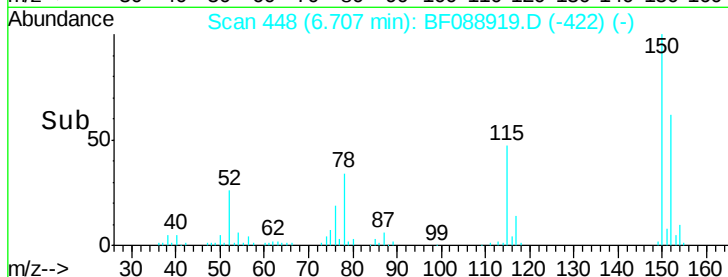
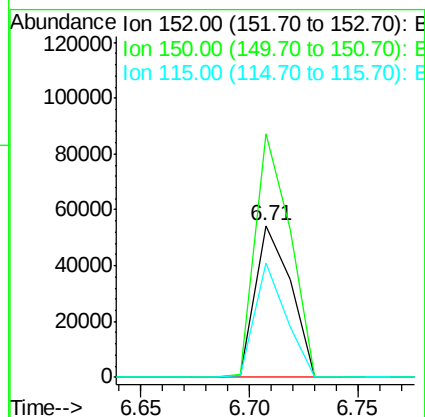
Tot Ion:152 Resp: 61688

Ion Ratio Lower Upper

152 100

150 160.5 123.8 185.6

115 75.2 39.6 59.4#



#2

1,4-Dioxane

Concen: 0.55 ng

RT: 2.28 min Scan# 61

Delta R.T. 0.07 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

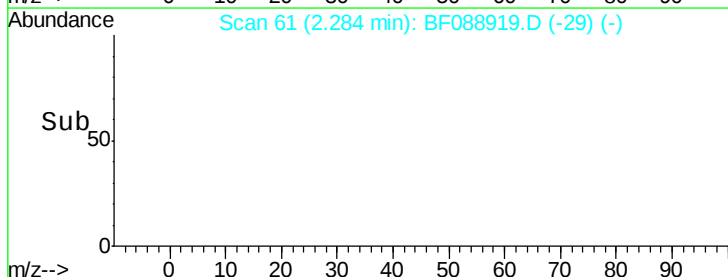
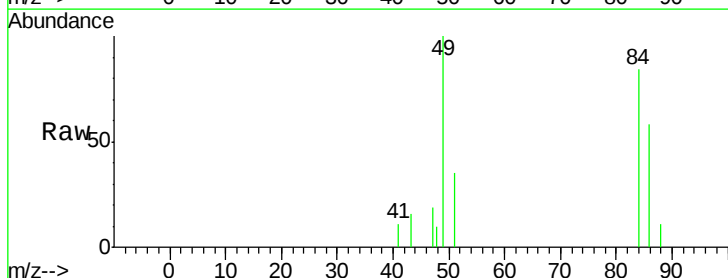
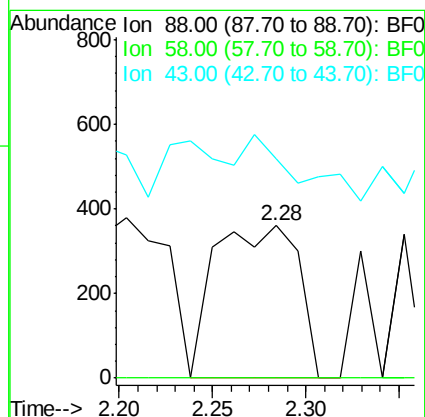
Tgt Ion: 88 Resp: 1117

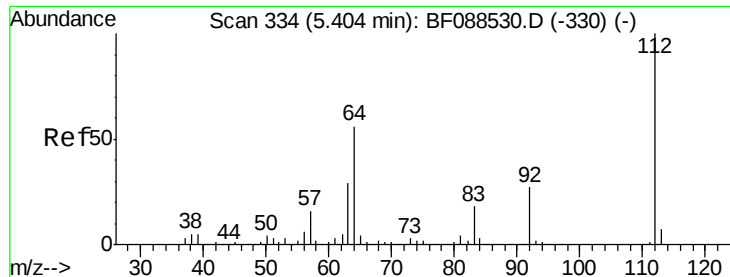
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 3.4 5.2#





#5

2-Fluorophenol

Concen: 101.24 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

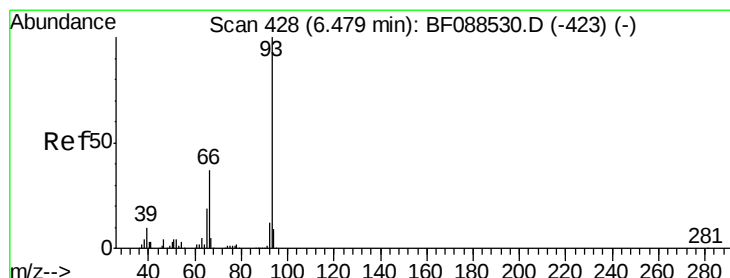
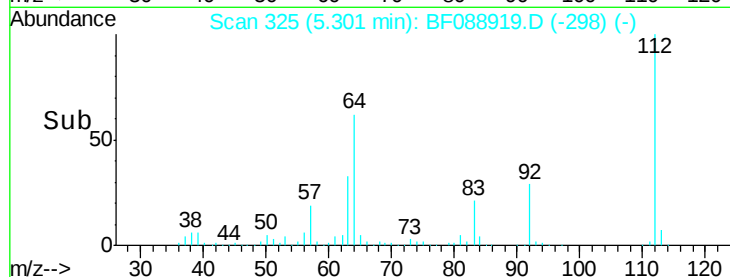
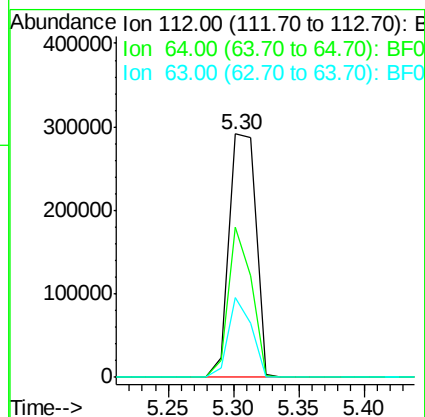
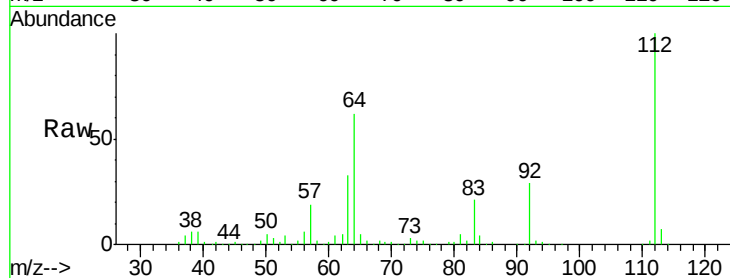
N8-B5(0-8)C

Tot Ion:	112	Resp:	416703
Ion Ratio	Lower	Upper	
112	100		
64	61.6	42.2	63.2
63	32.7	21.8	32.8

Manual Integrations

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#6

Aniline

Concen: 0.06 ng

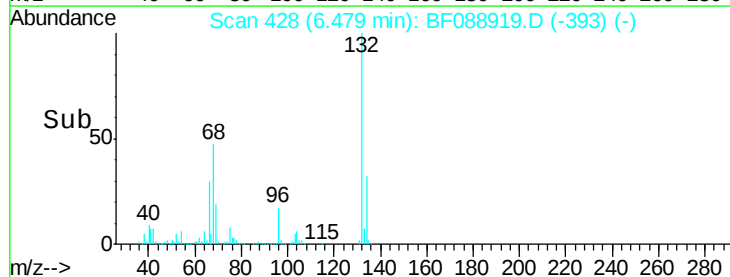
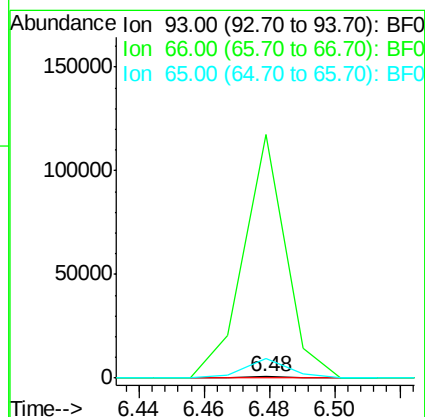
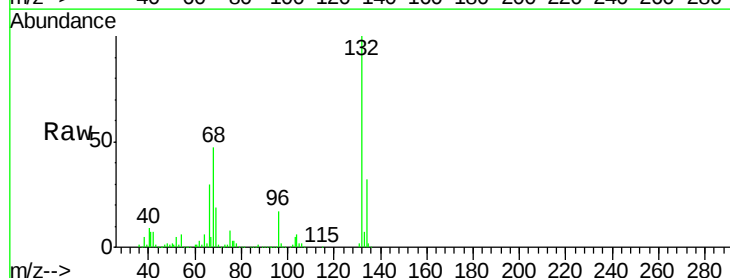
RT: 6.48 min Scan# 428

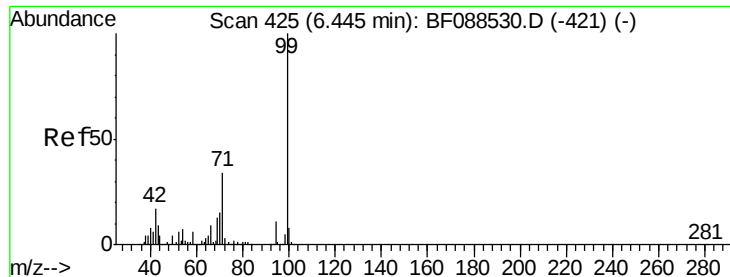
Delta R.T. 0.10 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Tgt Ion:	93	Resp:	459
Ion Ratio	Lower	Upper	
93	100		
66	17560.5	29.8	44.8#
65	1424.4	14.9	22.3#





#7

Phenol-d6

Concen: 102.63 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampled :

N8-B5(0-8)C

Tot Ion: 99 Resp: 545827

Ion Ratio Lower Upper

99 100

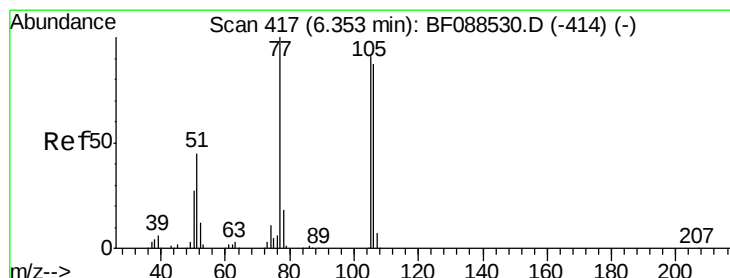
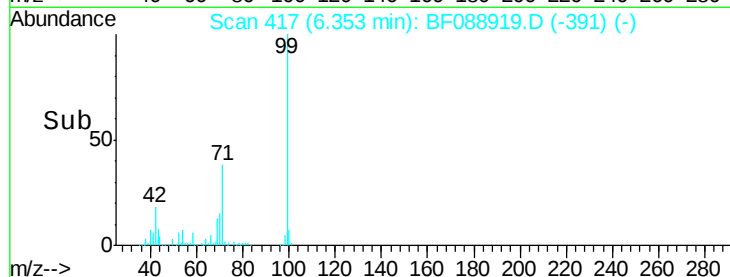
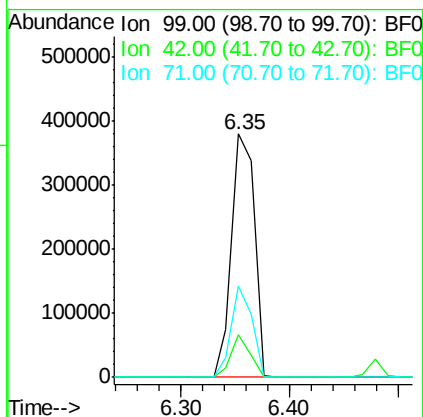
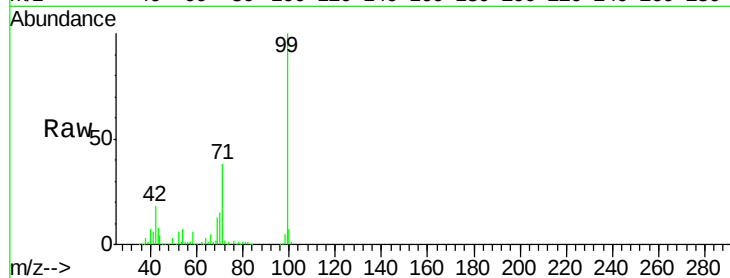
42 17.6 12.2 18.2

71 37.6 23.4 35.0#

Manual Integrations

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#9

Benzaldehyde

Concen: 1.71 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

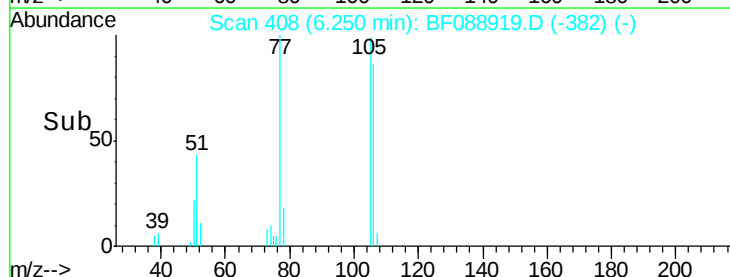
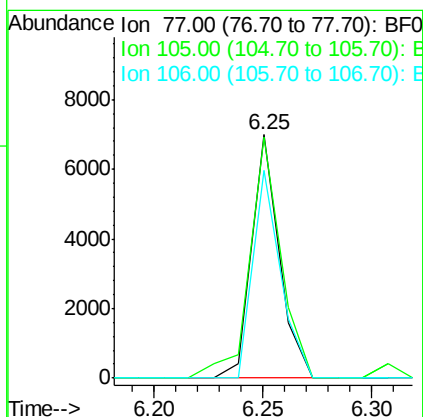
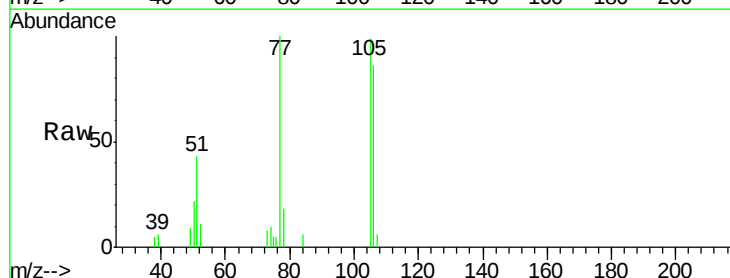
Tgt Ion: 77 Resp: 6170

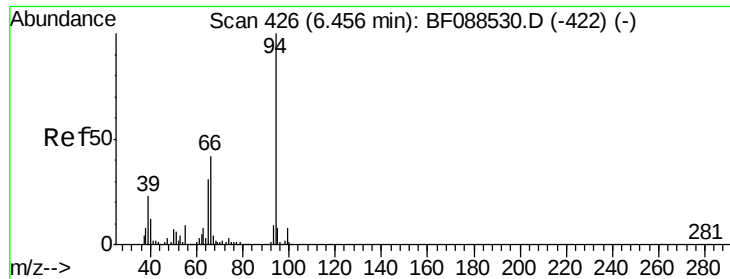
Ion Ratio Lower Upper

77 100

105 99.0 90.6 130.6

106 85.5 85.3 125.3





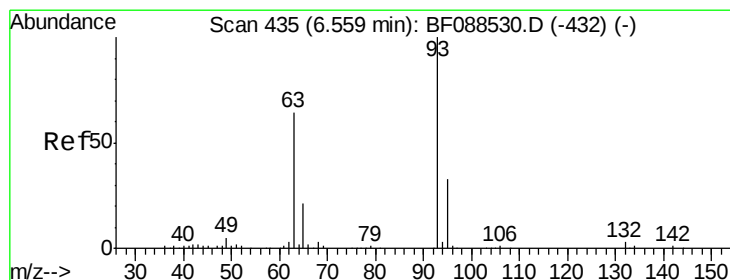
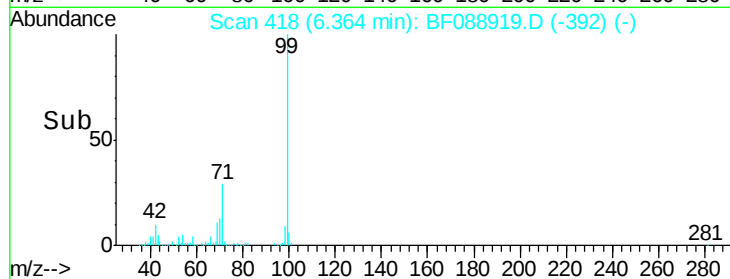
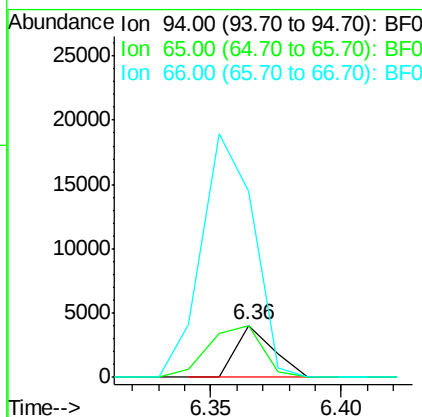
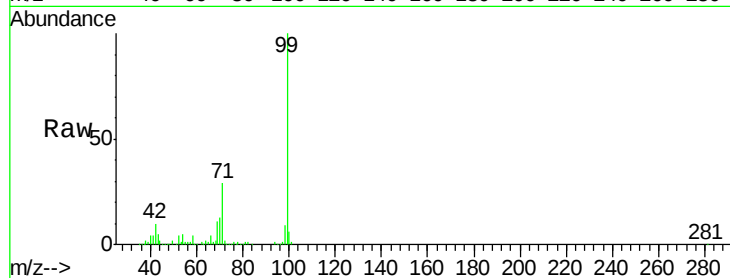
#10
Phenol
Concen: 0.67 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampled :
N8-B5(0-8)C

Tot Ion: 94 Resp: 4056
Ion Ratio Lower Upper
94 100
65 100.3 5.9 45.9#
66 358.4 14.0 54.0#

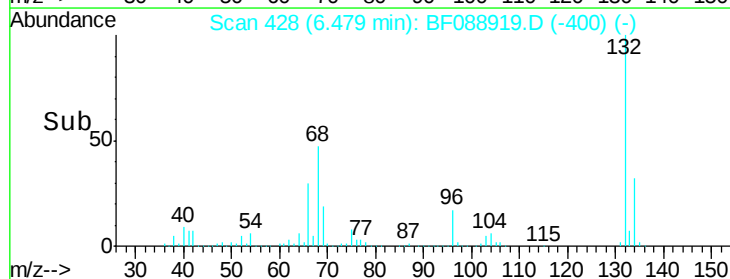
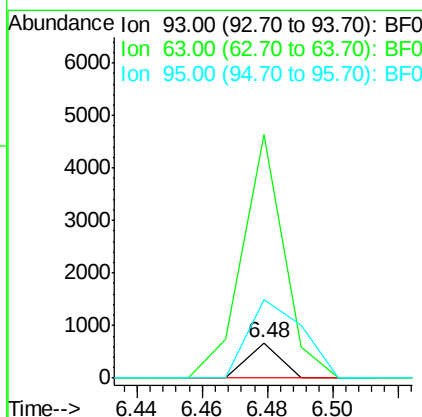
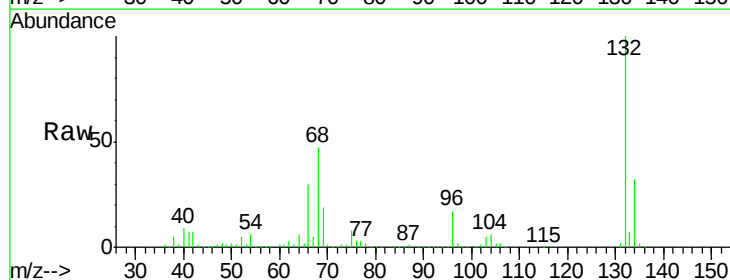
Manual Integrations

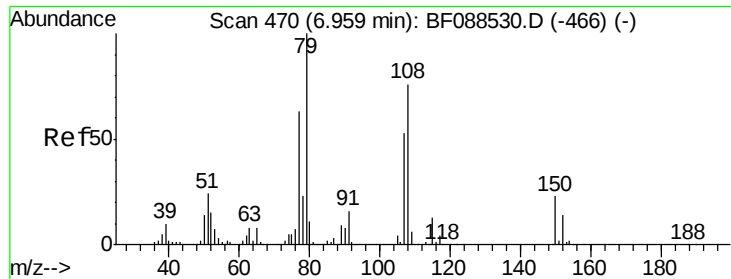
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#11
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.02 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion: 93 Resp: 459
Ion Ratio Lower Upper
93 100
63 693.0 67.6 107.6#
95 223.5 12.5 52.5#





#15

Benzyl Alcohol

Concen: 1.60 ng

RT: 6.87 min Scan# 462

Delta R.T. 0.01 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

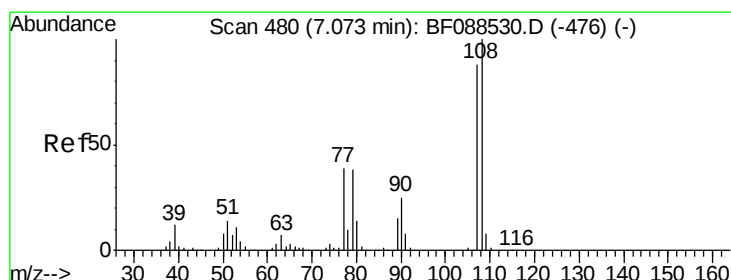
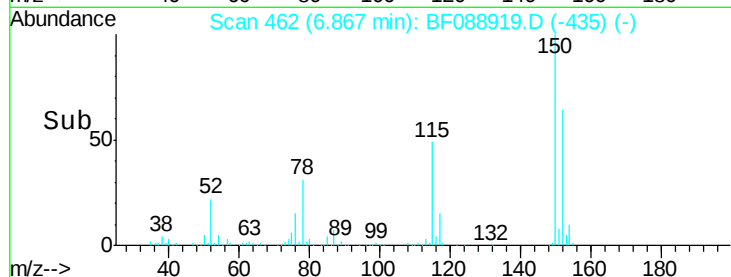
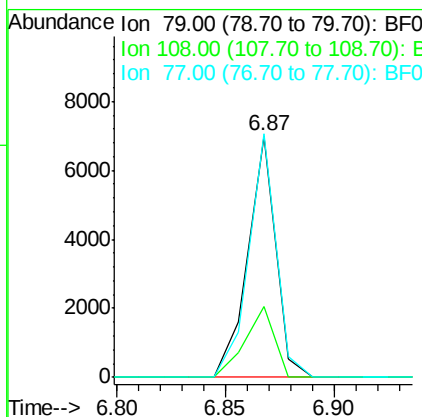
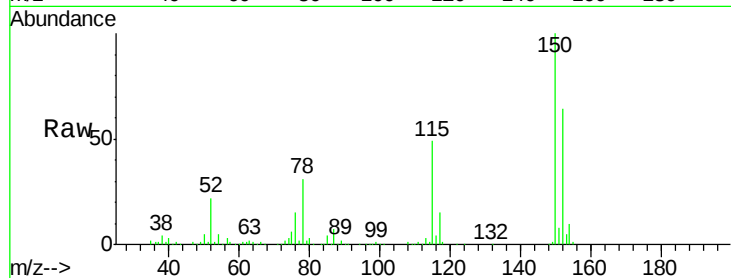
N8-B5(0-8)C

Tot Ion:	79	Resp:	6264
Ion Ratio	Lower	Upper	
79	100		
108	29.4	65.0	97.6#
77	100.9	50.3	75.5#

Manual Integrations

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#17

2-Methylphenol

Concen: 0.06 ng

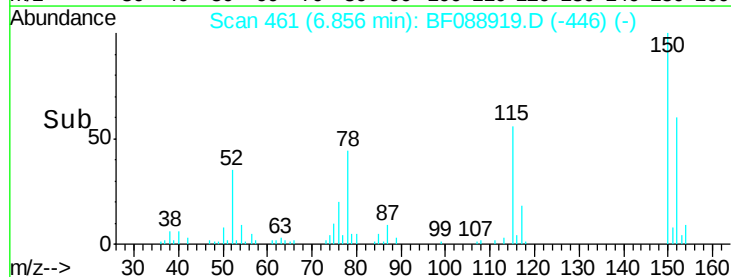
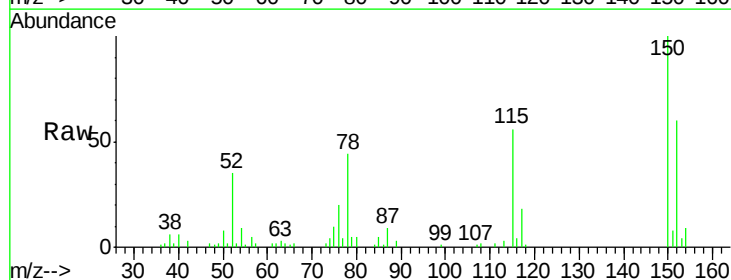
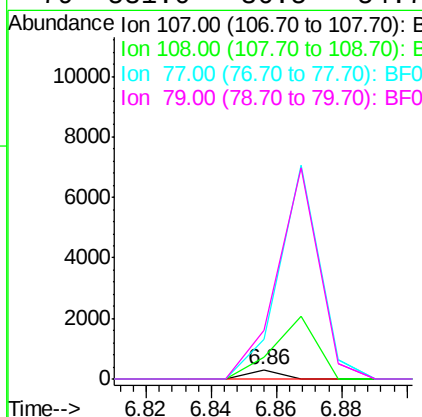
RT: 6.86 min Scan# 461

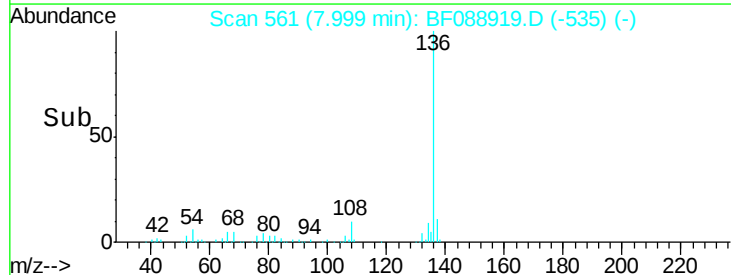
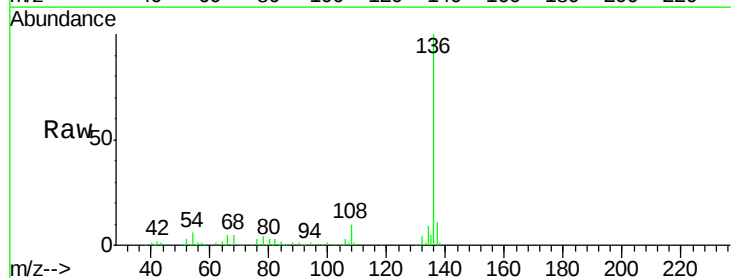
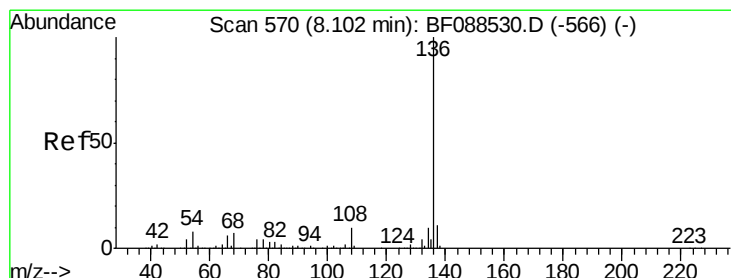
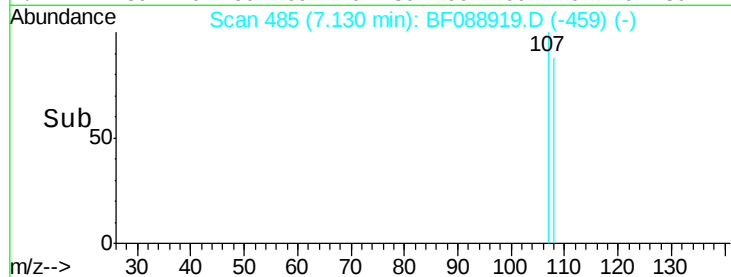
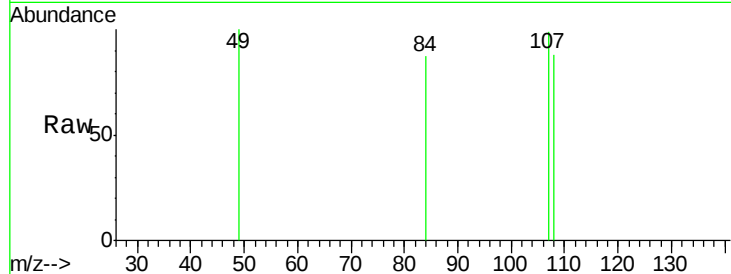
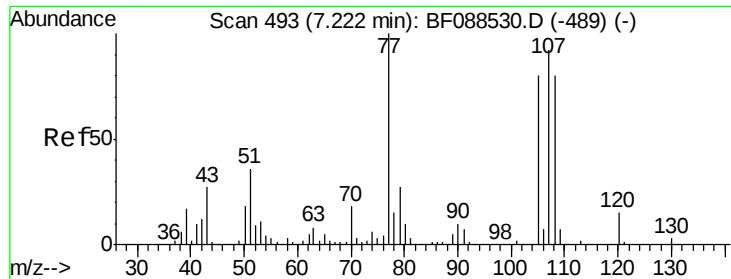
Delta R.T. -0.13 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

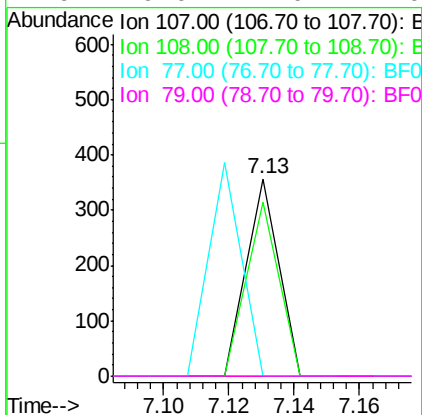
Tgt Ion:	107	Resp:	210
Ion Ratio	Lower	Upper	
107	100		
108	236.3	90.9	136.3#
77	423.9	36.6	55.0#
79	531.0	36.5	54.7#





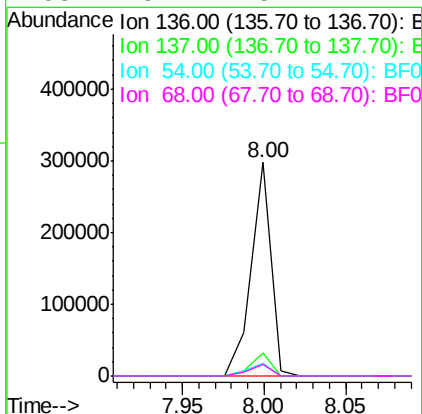
#20
3+4-Methylphenols
Concen: 0.06 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tot Ion	Ratio	Lower	Upper
107	100		
108	88.2	67.8	107.8
77	0.0	59.3	99.3#
79	0.0	7.0	47.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

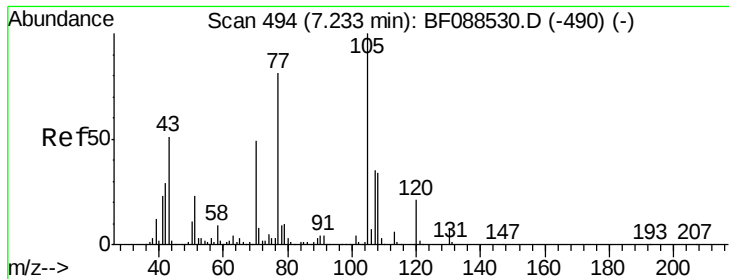
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.0	6.6	10.0#
68	5.1	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
N8-B5(0-8)C

Manual Integrations

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#22

Acetophenone

Concen: 0.05 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF088919.D

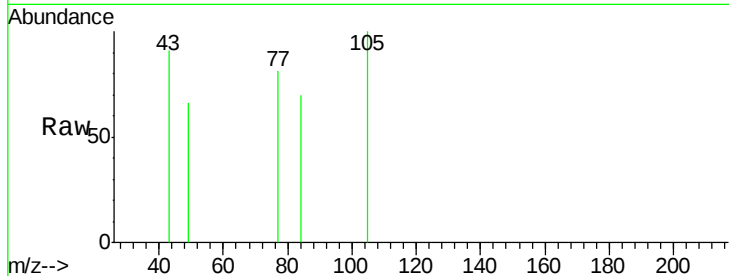
Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

N8-B5(0-8)C



Tot Ion: 105 Resp: 327

Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 0.0 18.2 27.4#

120 0.0 18.0 27.0#

Manual Integrations

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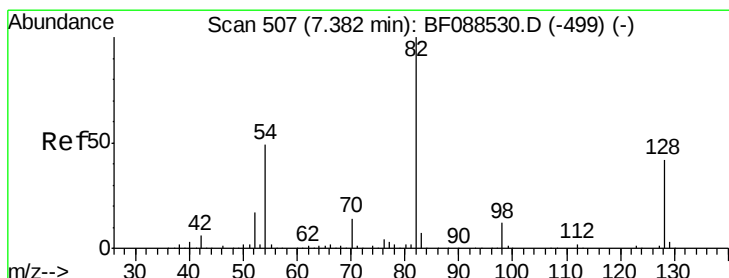
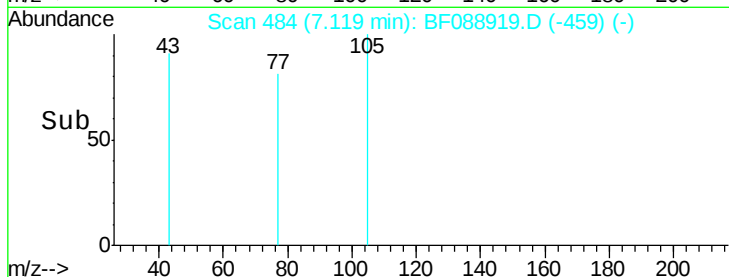
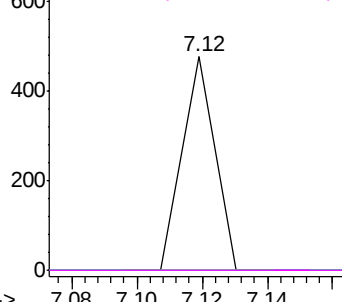
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 71.64 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

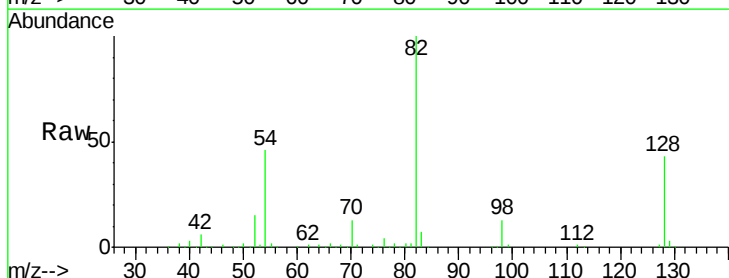
Tgt Ion: 82 Resp: 344481

Ion Ratio Lower Upper

82 100

128 43.0 35.9 53.9

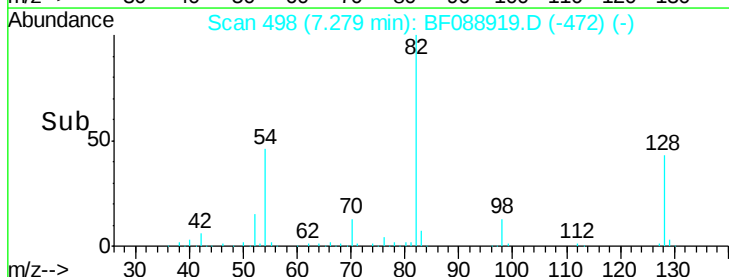
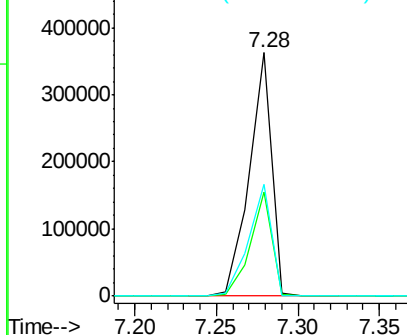
54 45.8 40.9 61.3

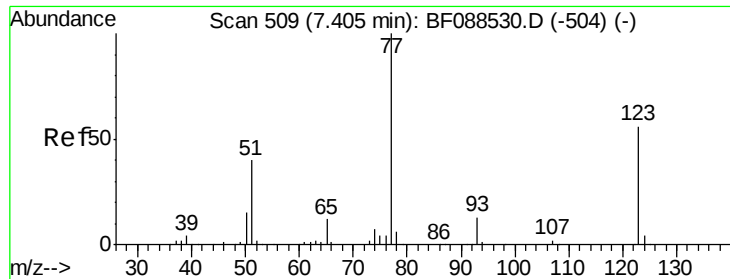


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.24 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

N8-B5(0-8)C

Tot Ion: 77 Resp: 1150

Ion Ratio Lower Upper

77 100

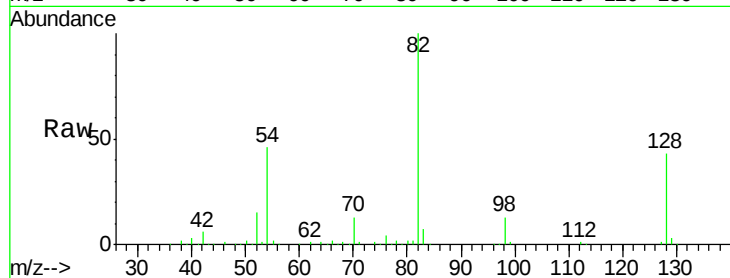
123 0.0 45.0 67.4#

65 28.2 10.2 15.2#

Manual Integrations

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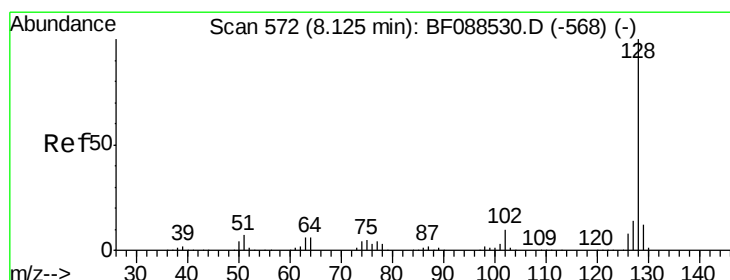
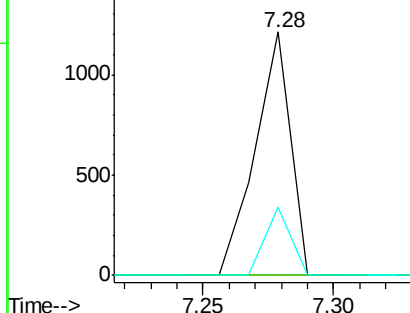
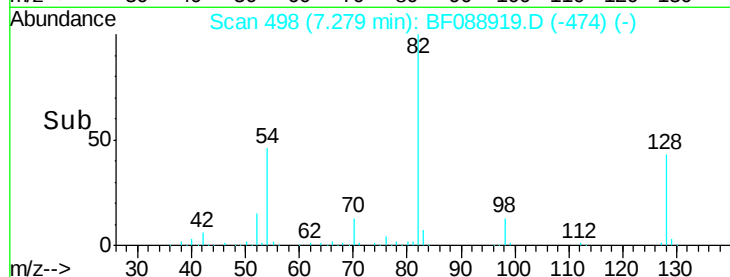
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BF0



#31

Naphthalene

Concen: 0.10 ng

RT: 8.02 min Scan# 563

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

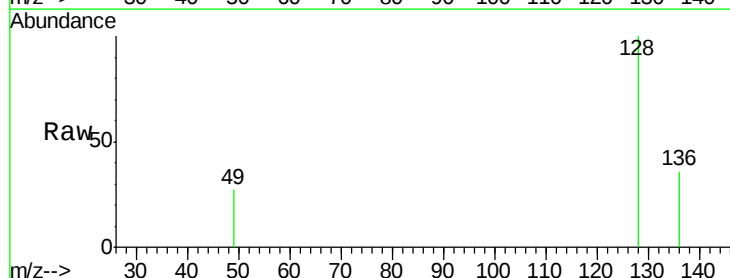
Tgt Ion: 128 Resp: 1259

Ion Ratio Lower Upper

128 100

129 0.0 9.4 14.2#

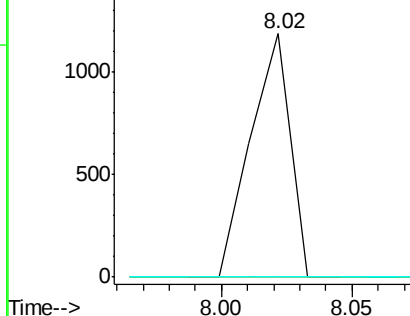
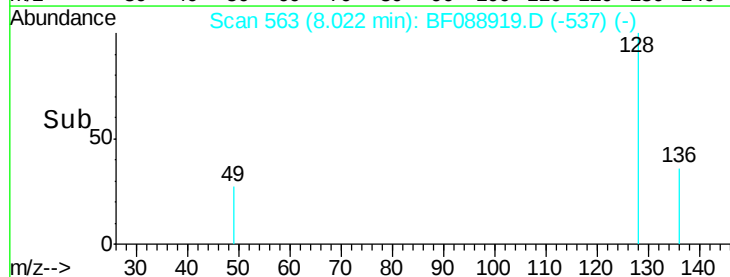
127 0.0 10.9 16.3#

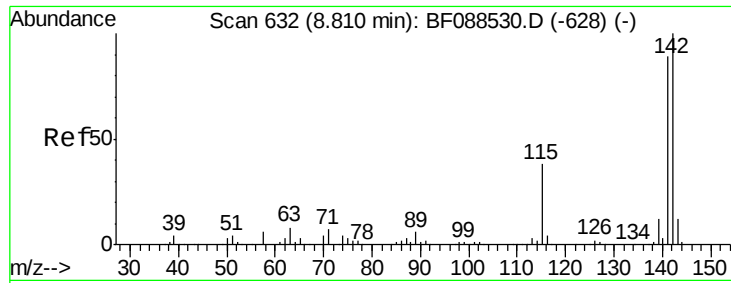


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





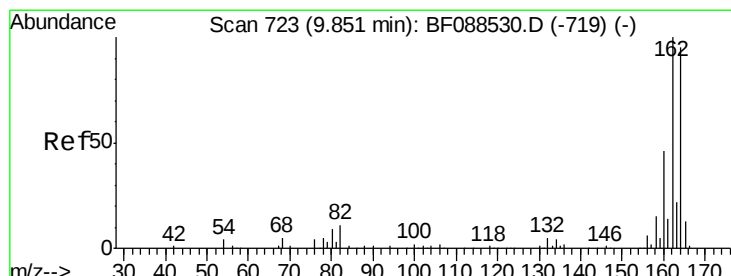
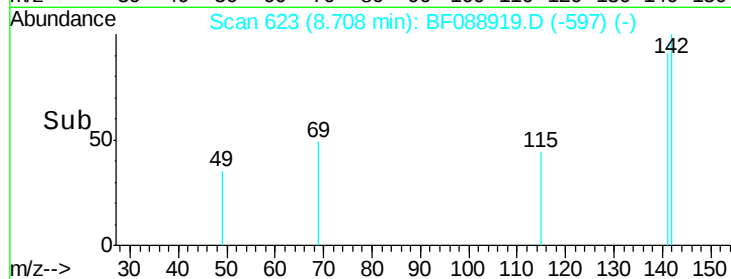
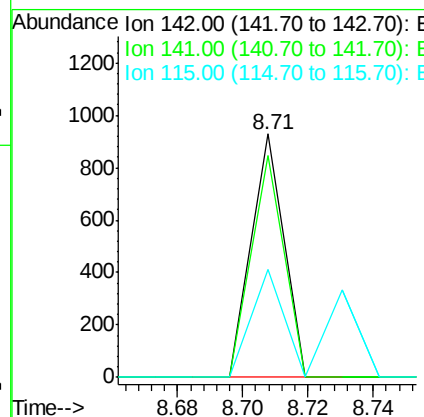
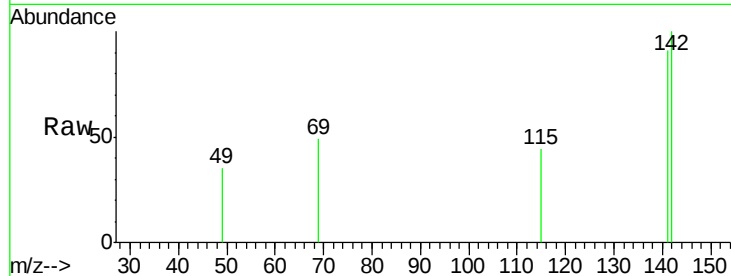
#37
 2-Methylnaphthalene
 Concen: 0.08 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Instrument :
 BNA_F
 ClientSampleId :
 N8-B5(0-8)C

Tot Ion:142 Resp: 637
 Ion Ratio Lower Upper
 142 100
 141 91.3 71.0 106.6
 115 44.5 22.6 33.8#

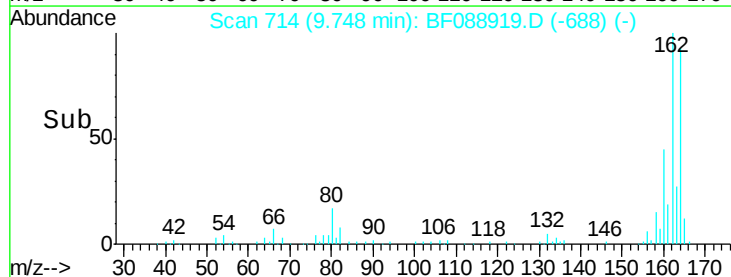
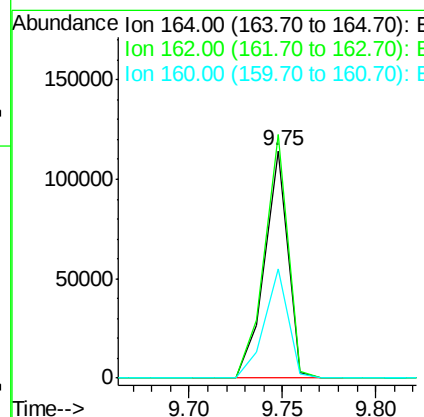
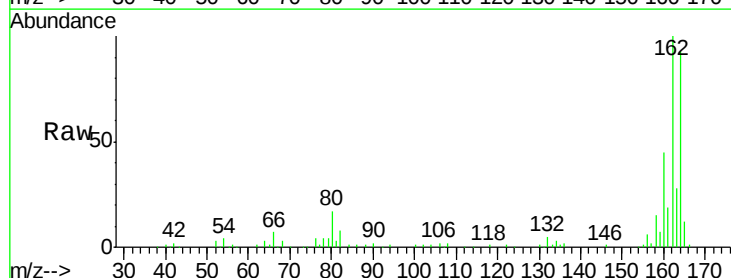
Manual Integrations

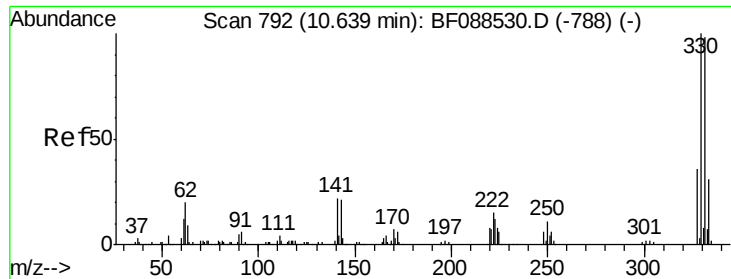
sohil
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Tgt Ion:164 Resp: 98524
 Ion Ratio Lower Upper
 164 100
 162 107.2 85.4 128.2
 160 48.3 39.5 59.3





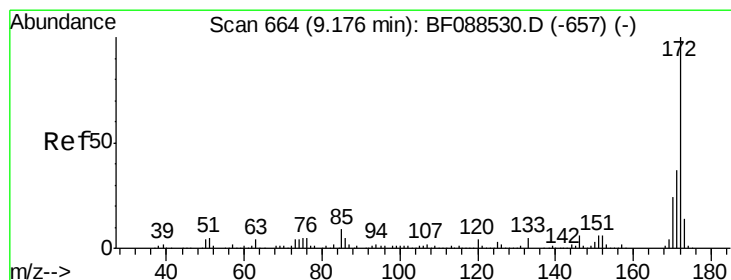
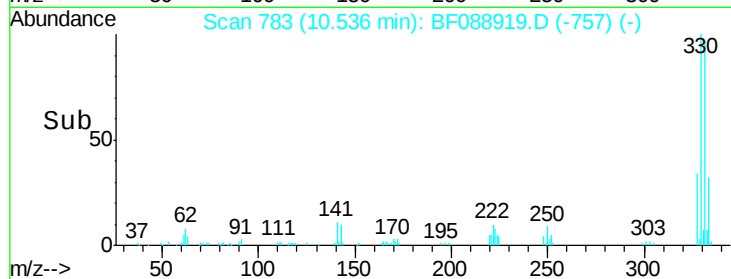
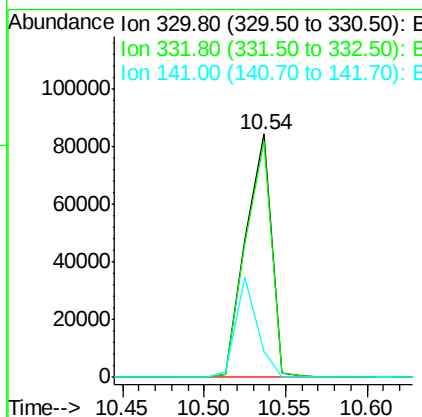
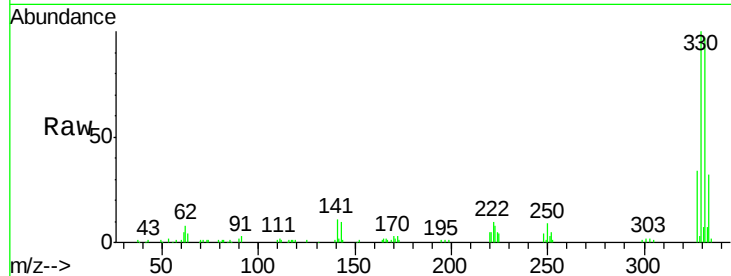
#41
 2,4,6-Tribromophenol
 Concen: 101.15 ng
 RT: 10.54 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Instrument :
 BNA_F
 ClientSampled :
 N8-B5(0-8)C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	92540		
332	96.8	0.0	0.0	0.0
141	34.3	0.0	0.0	0.0

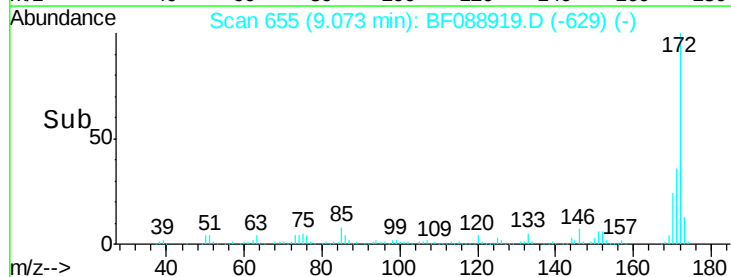
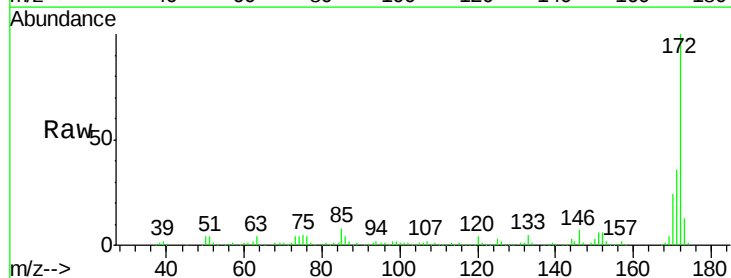
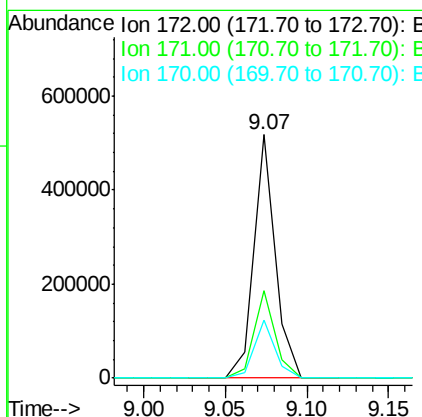
Manual Integrations

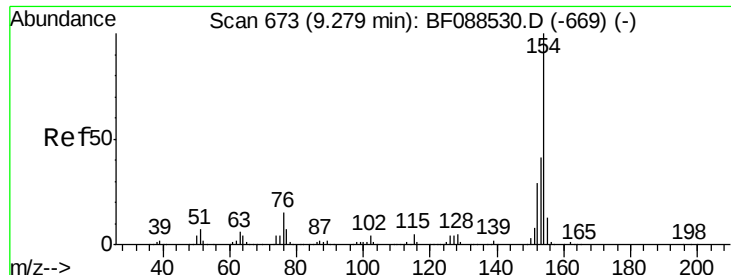
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#44
 2-Fluorobiphenyl
 Concen: 75.81 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	472853		
171	36.2	28.6	43.0	
170	23.6	19.2	28.8	





#45

1,1'-Biphenyl

Concen: 0.03 ng

RT: 9.18 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

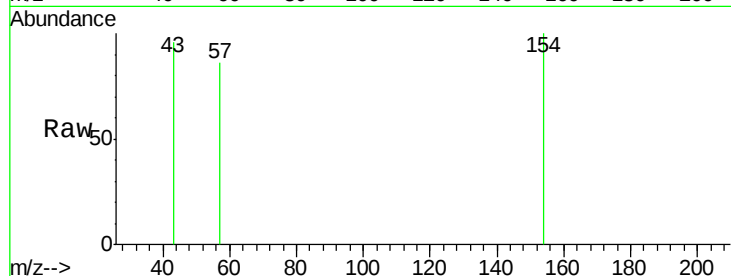
N8-B5(0-8)C

Tot Ion:	154	Resp:	277
Ion Ratio	Lower	Upper	
154	100		
153	0.0	20.6	60.6#
76	0.0	0.0	35.1

Manual Integrations

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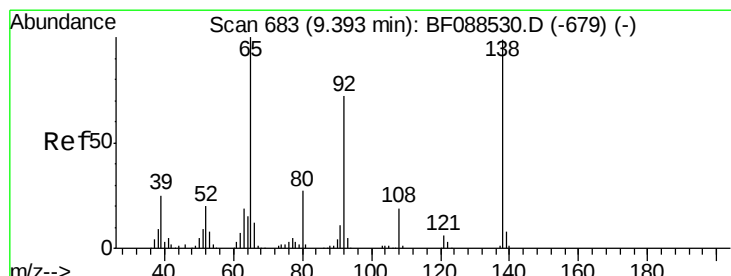
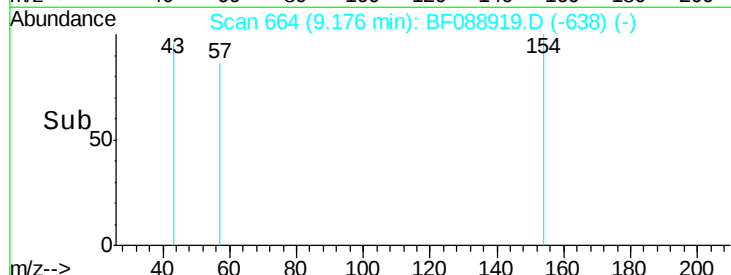
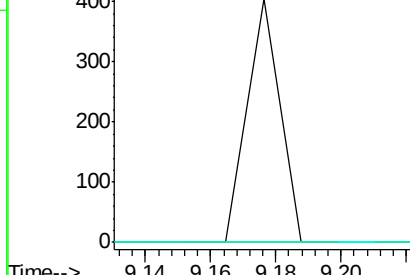


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

9.18



#47

2-Nitroaniline

Concen: 0.33 ng

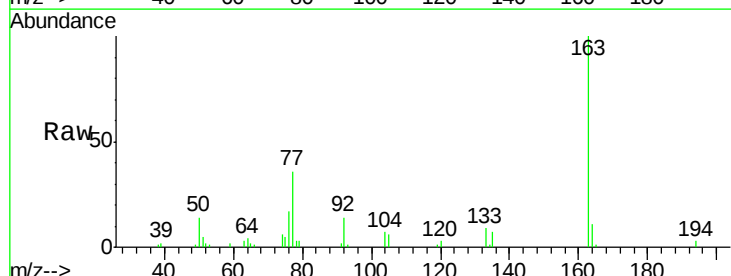
RT: 9.46 min Scan# 689

Delta R.T. 0.17 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Tgt Ion:	65	Resp:	752
Ion Ratio	Lower	Upper	
65	100		
92	768.1	54.6	82.0#
138	0.0	77.0	115.4#

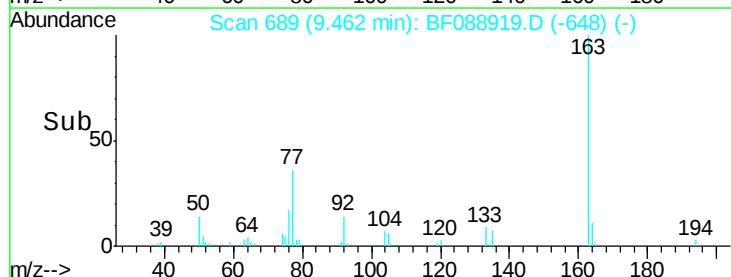
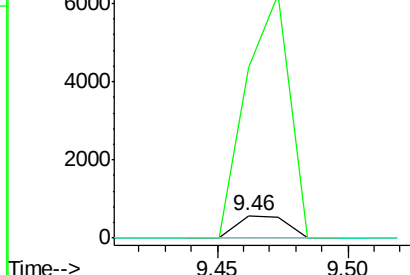


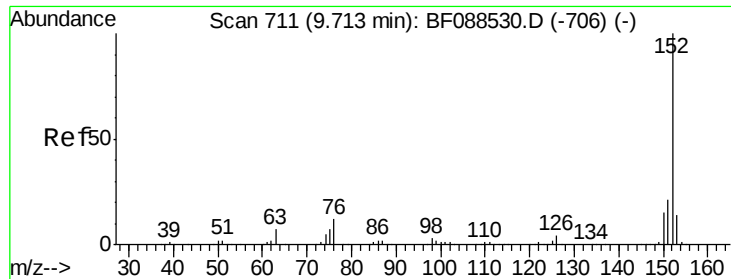
Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

9.46





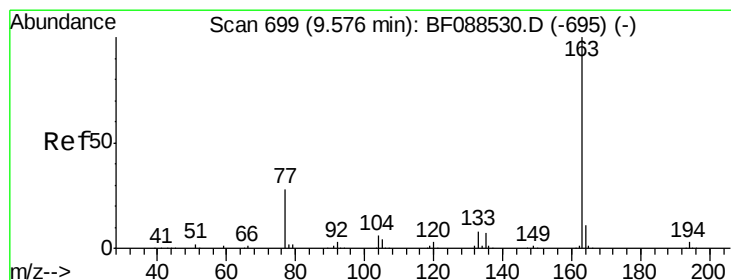
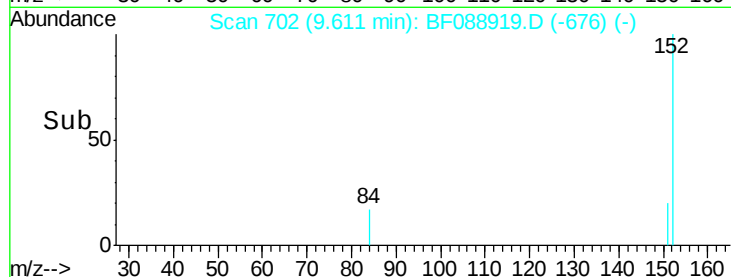
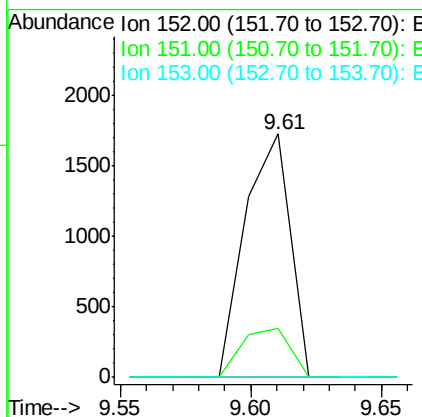
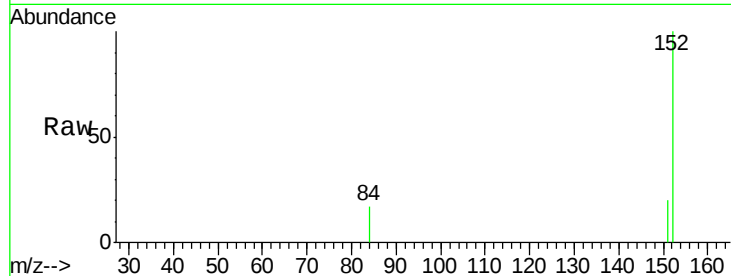
#48
Acenaphthylene
Concen: 0.20 ng
RT: 9.61 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampleId :
N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	0.0	11.0	16.6

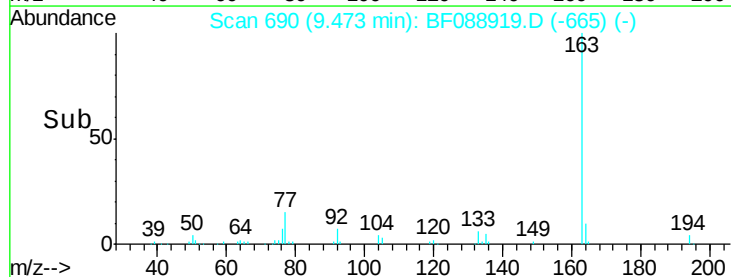
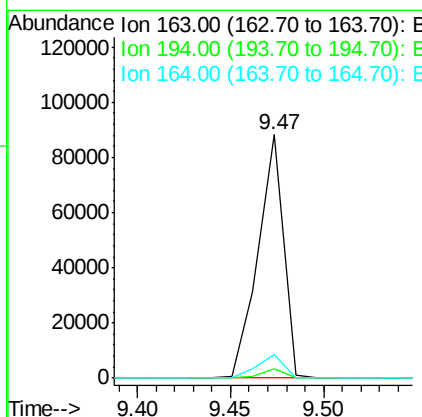
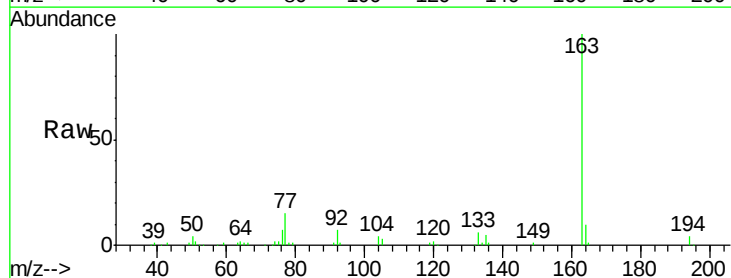
Manual Integrations

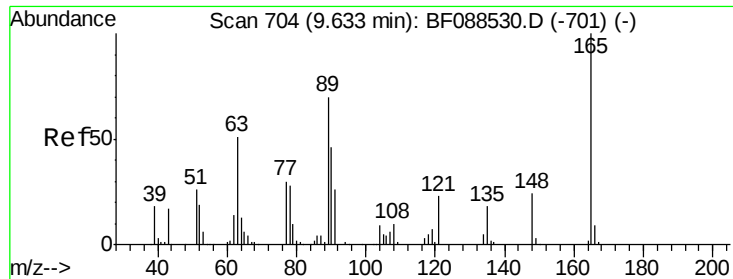
sohil
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#49
Dimethylphthalate
Concen: 11.81 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.7	8.3	12.5





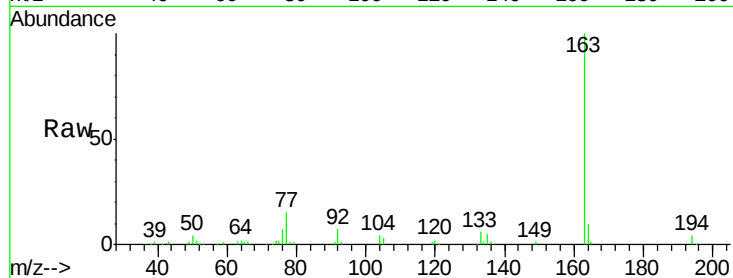
#50
2,6-Dinitrotoluene
Concen: 0.52 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.07 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampled :
N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
165	100		
63	122.0	28.1	42.1#
89	0.0	32.2	48.2#

Manual Integrations

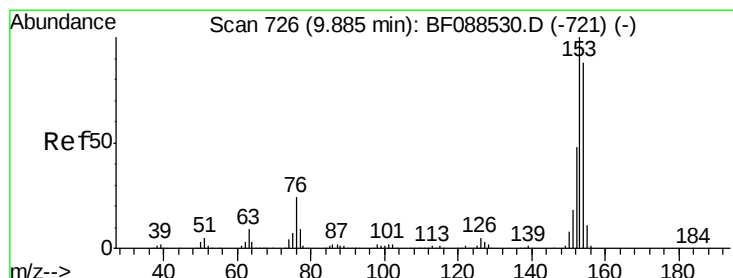
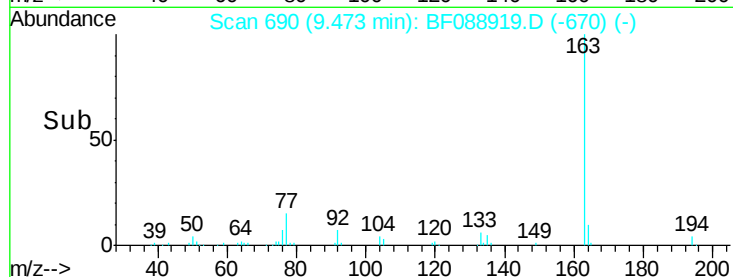
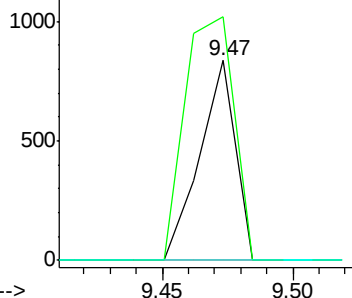
sohil
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Abundance Ion 165.00 (164.70 to 165.70): E

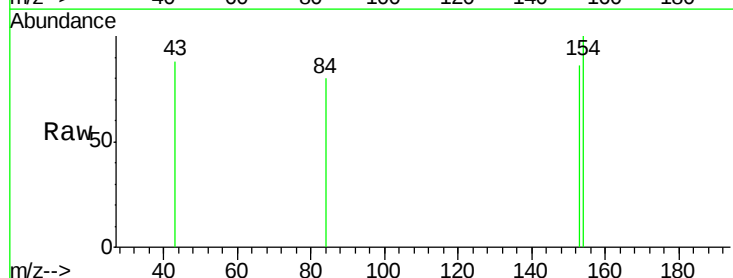
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 0.08 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

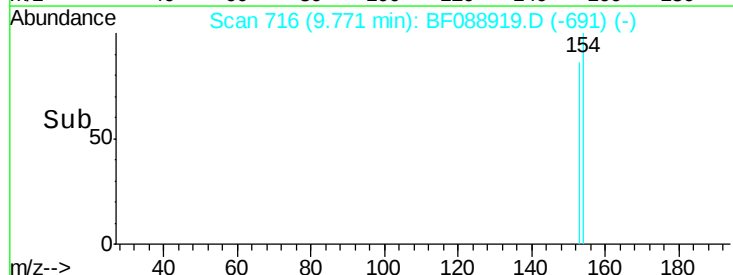
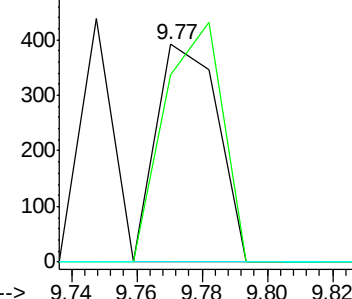
Tgt Ion	Ratio	Lower	Upper
154	100		
153	85.7	89.5	134.3#
152	0.0	42.7	64.1#

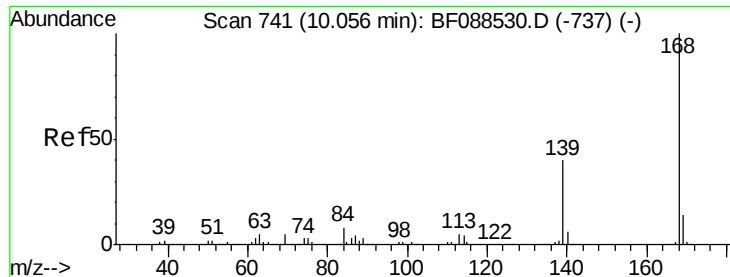


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





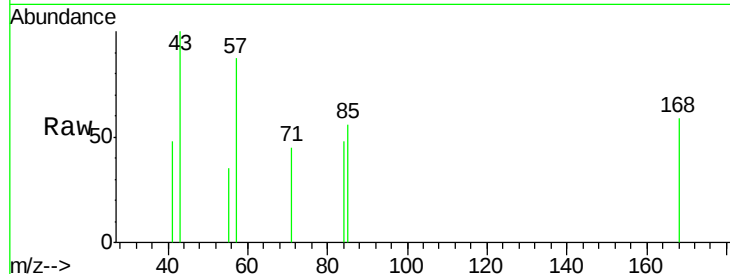
#54
Dibenzenofuran
Concen: 0.08 ng
RT: 9.95 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampled :
N8-B5(0-8)C

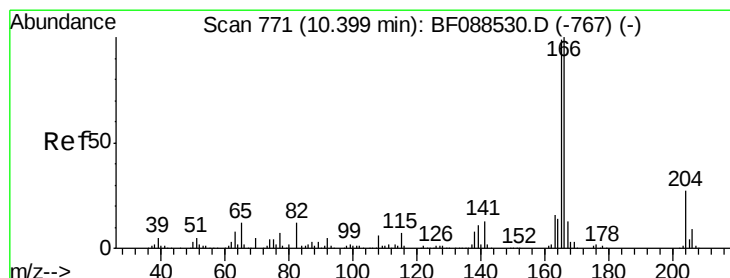
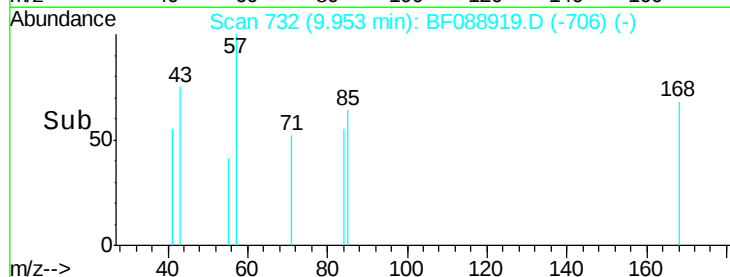
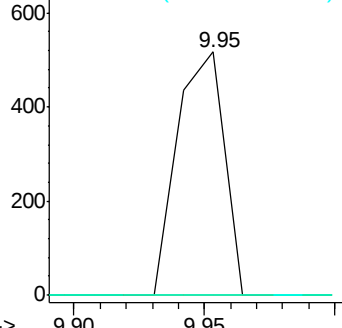
Tot Ion:168 Resp: 654
Ion Ratio Lower Upper
168 100
139 0.0 26.4 39.6#
169 0.0 10.4 15.6#

Manual Integrations

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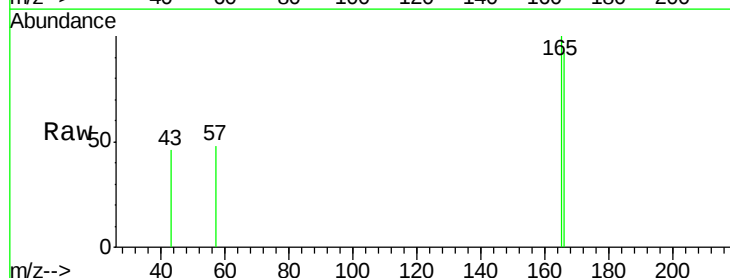


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

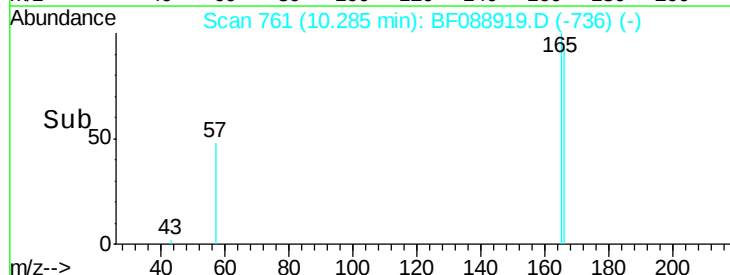
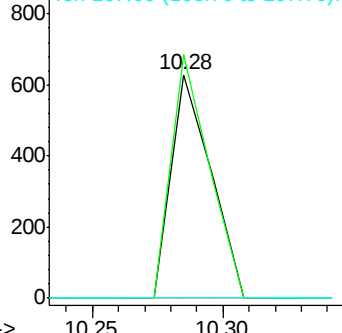


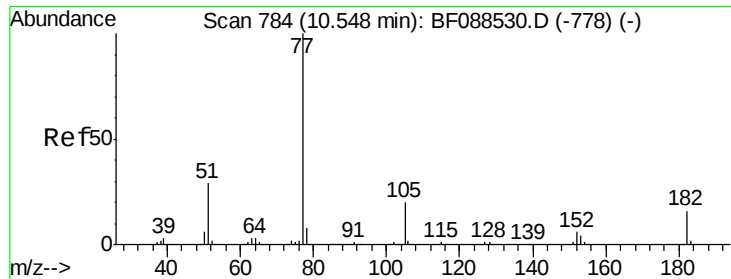
#57
Fluorene
Concen: 0.11 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion:166 Resp: 664
Ion Ratio Lower Upper
166 100
165 109.1 77.8 116.8
167 0.0 11.2 16.8#



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





#62

Azobenzene

Concen: 0.14 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.06 min

Lab File: BF088919.D

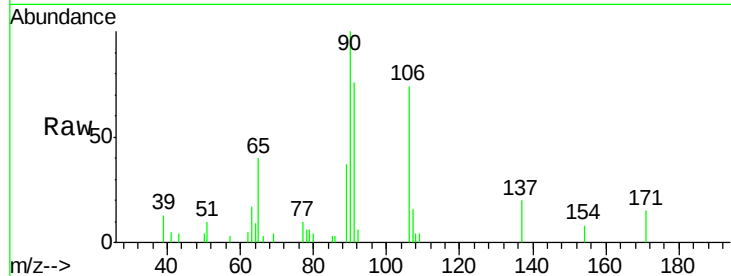
Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

N8-B5(0-8)C

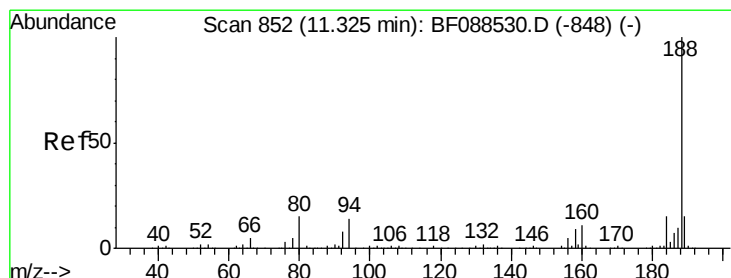
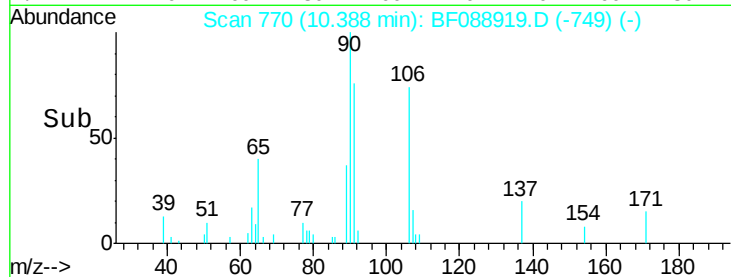
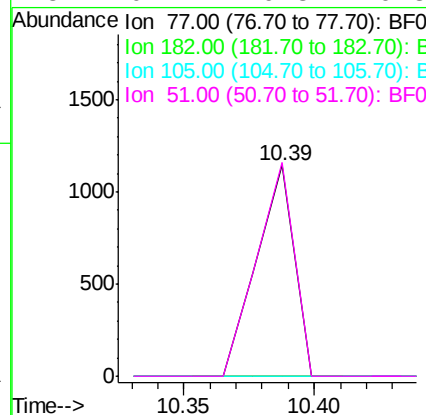


Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	0.0	4.4	44.4#	
105	0.0	3.8	43.8#	
51	101.2	9.3	49.3#	

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.00 ng

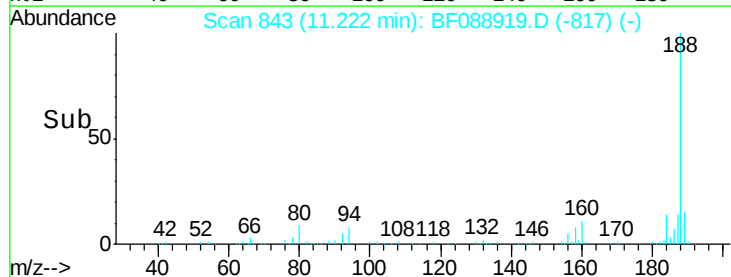
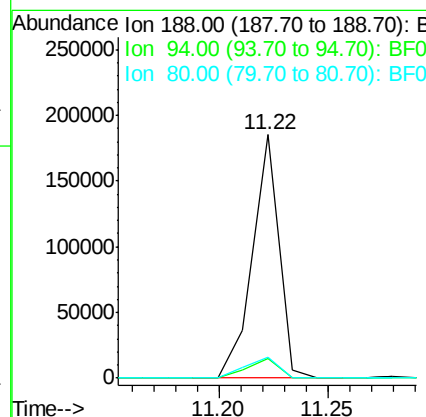
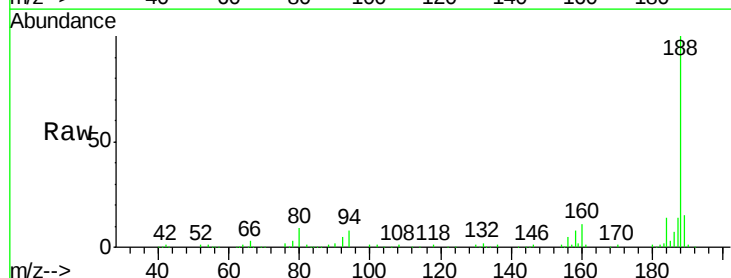
RT: 11.22 min Scan# 843

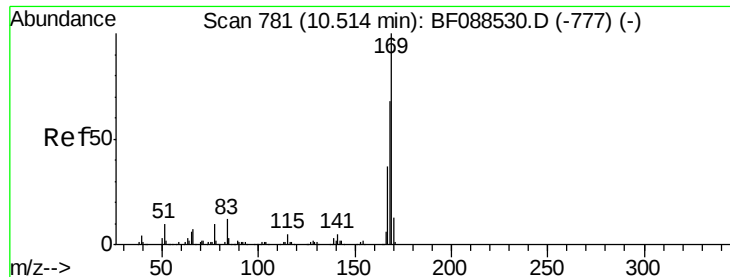
Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.2	9.0	13.6#	
80	8.6	10.0	15.0#	





#65

n-Nitrosodiphenylamine

Concen: 0.54 ng

RT: 10.52 min Scan# 782

Delta R.T. 0.11 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

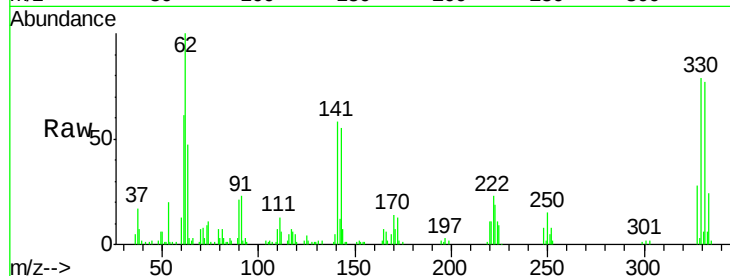
N8-B5(0-8)C

Tot Ion:	169	Resp:	2853
Ion Ratio	Lower	Upper	
169	100		
168	0.0	53.4	80.0#
167	43.5	29.4	44.0

Manual Integrations

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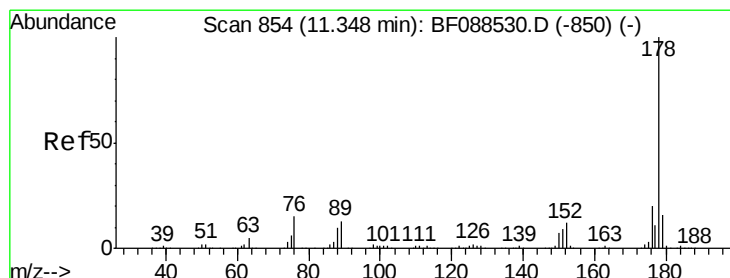
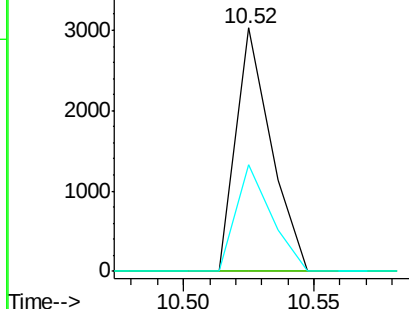
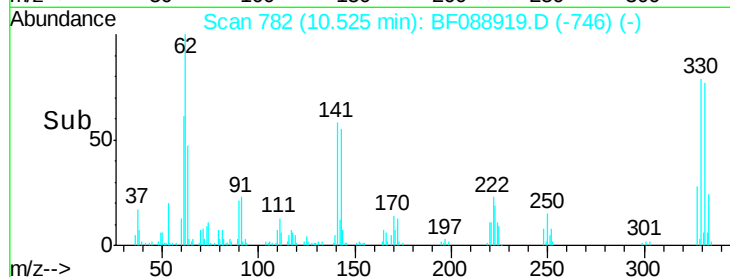
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 1.40 ng

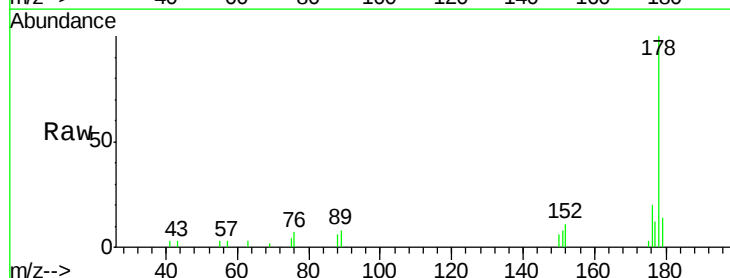
RT: 11.24 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

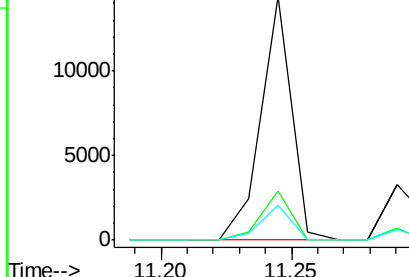
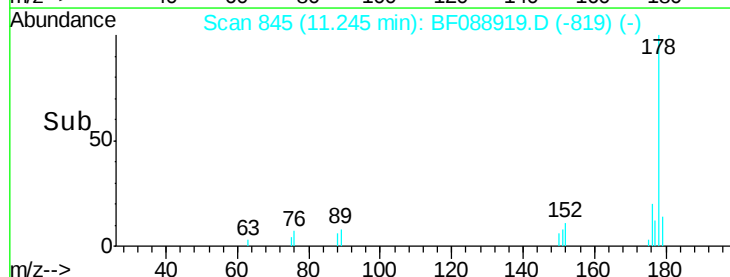
Tgt Ion:	178	Resp:	11903
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.6
179	14.5	13.0	19.4

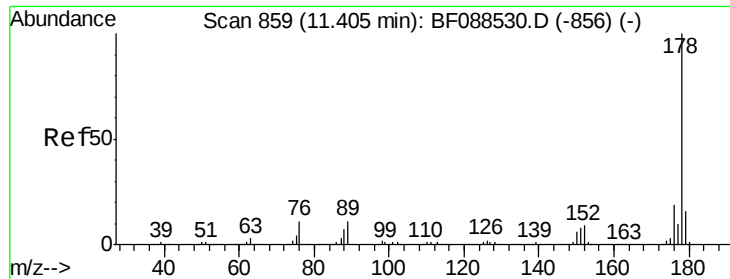


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





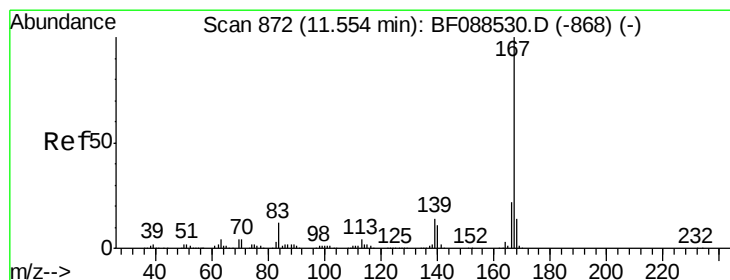
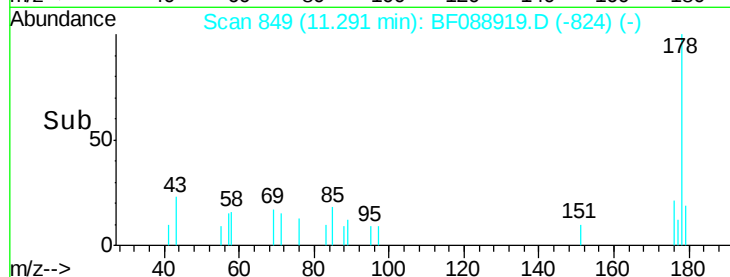
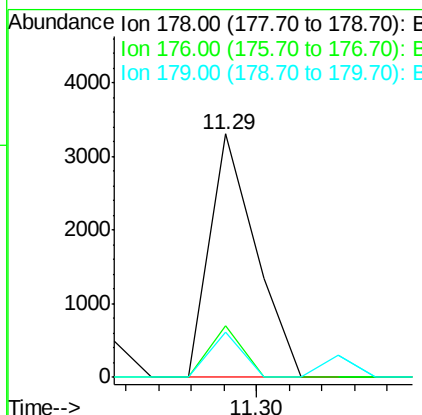
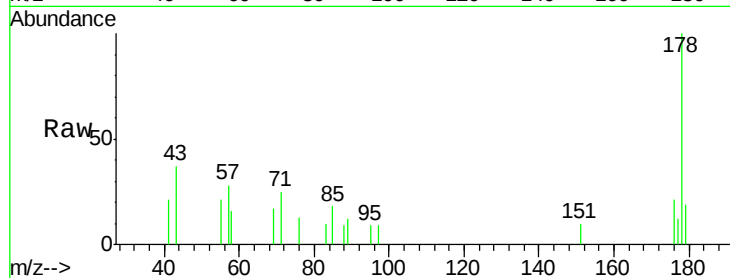
#71
 Anthracene
 Concen: 0.38 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Instrument :
 BNA_F
 ClientSampleId :
 N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.4	15.6	23.4
179	18.7	12.8	19.2

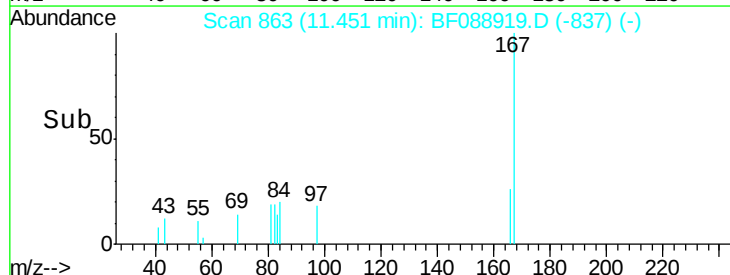
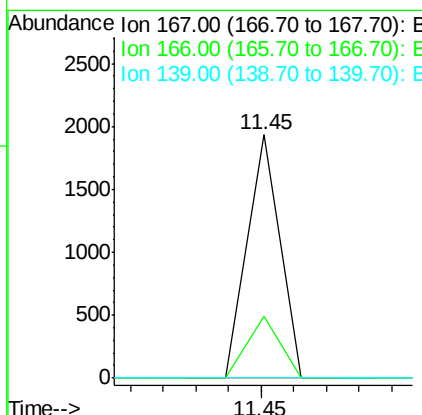
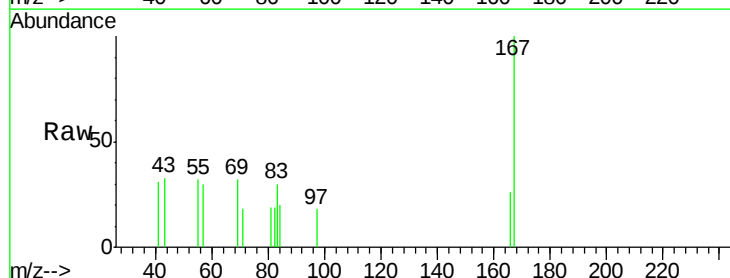
Manual Integrations

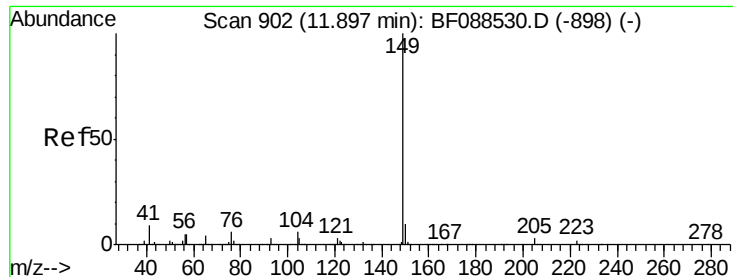
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#72
 Carbazole
 Concen: 0.17 ng
 RT: 11.45 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: BF088919.D
 Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.6	17.8	26.6
139	0.0	11.2	16.8#





#73

Di-n-butylphthalate

Concen: 0.25 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

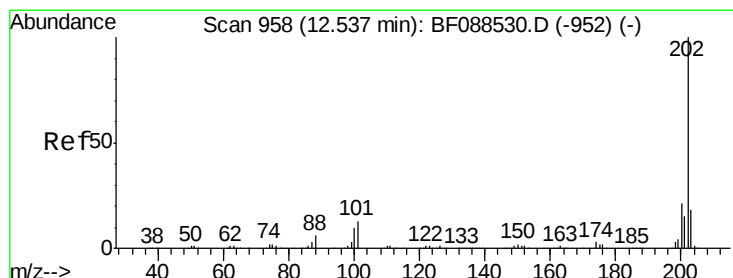
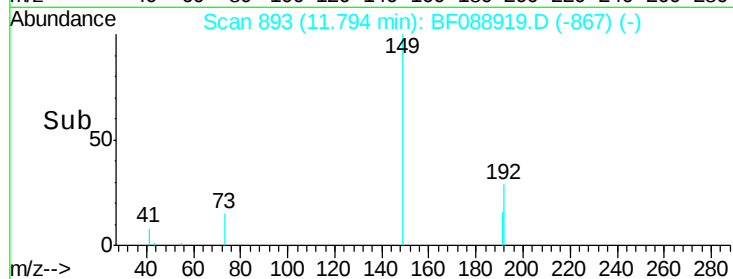
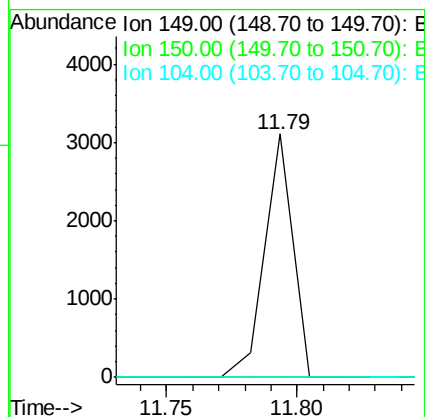
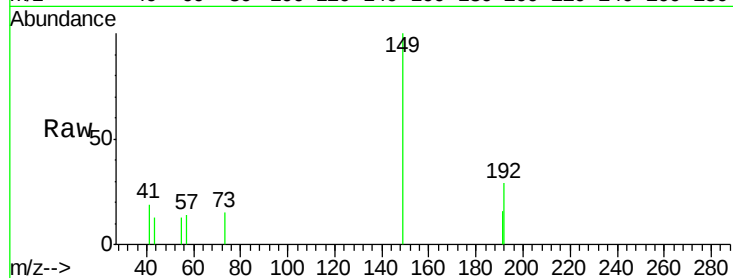
N8-B5(0-8)C

Tot Ion:	149	Resp:	2354
Ion Ratio	Lower	Upper	
149	100		
150	0.0	7.8	11.6#
104	0.0	4.0	6.0#

Manual Integrations

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#74

Fluoranthene

Concen: 3.18 ng

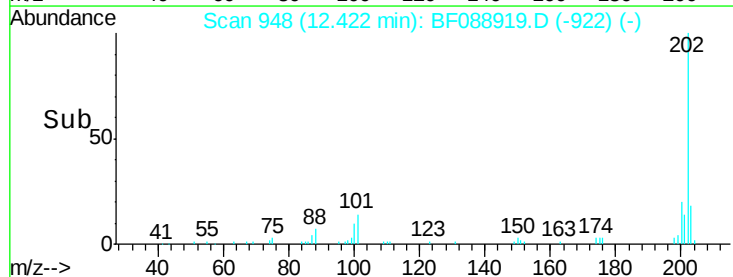
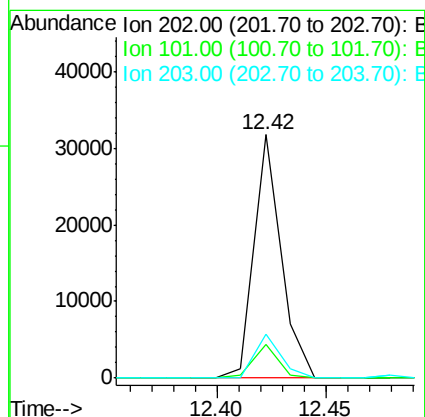
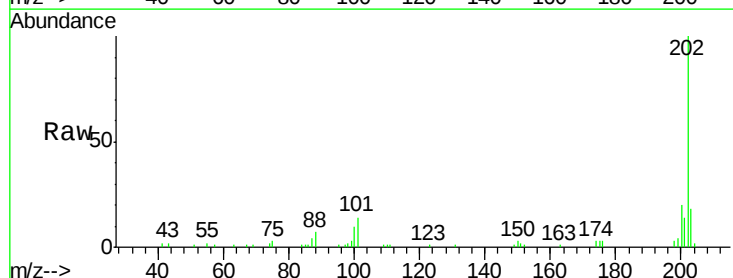
RT: 12.42 min Scan# 948

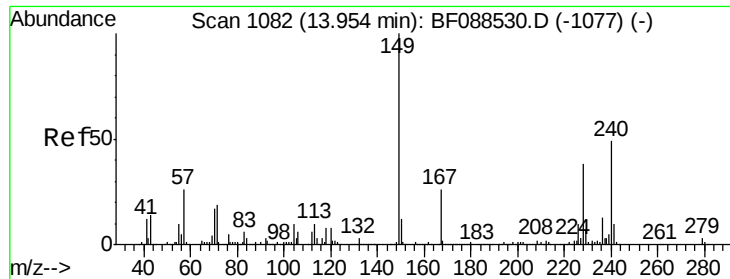
Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Tgt Ion:	202	Resp:	27498
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

N8-B5(0-8)C

Tot Ion:240 Resp: 127434

Ion Ratio Lower Upper

240 100

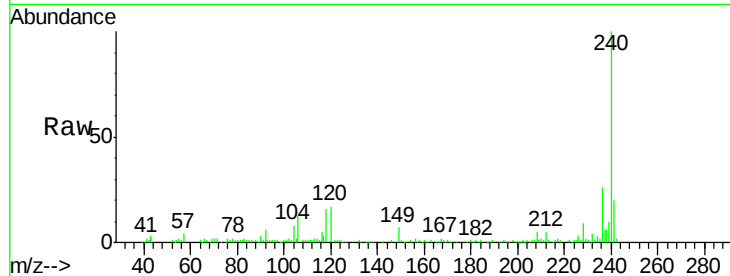
120 17.2 6.8 10.2#

236 25.6 20.2 30.2

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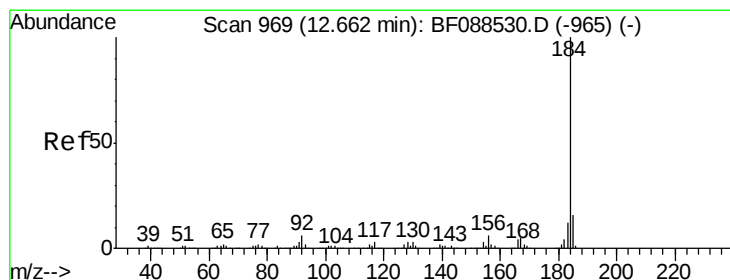
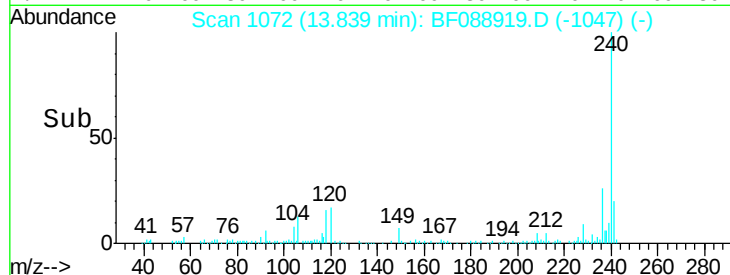
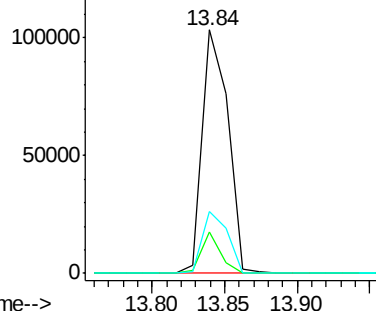
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.04 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.14 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

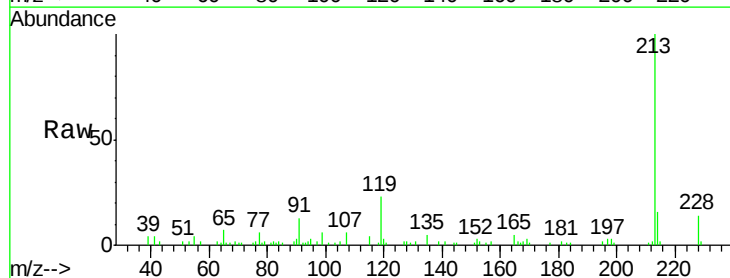
Tgt Ion:184 Resp: 254

Ion Ratio Lower Upper

184 100

185 0.0 12.5 18.7#

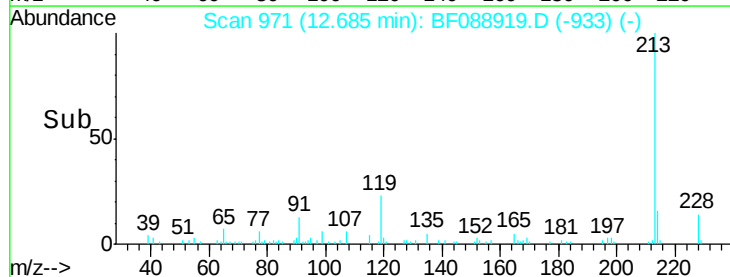
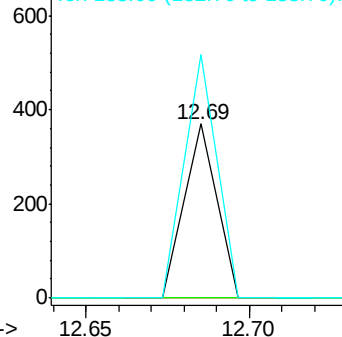
183 139.7 9.3 13.9#

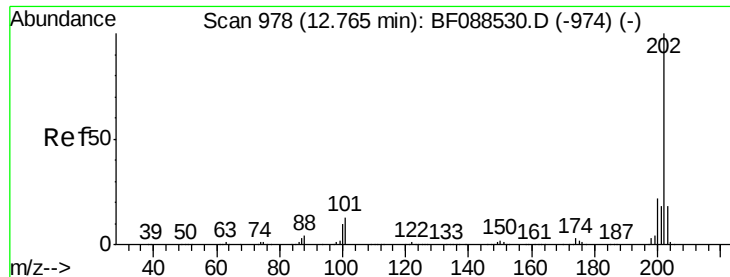


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





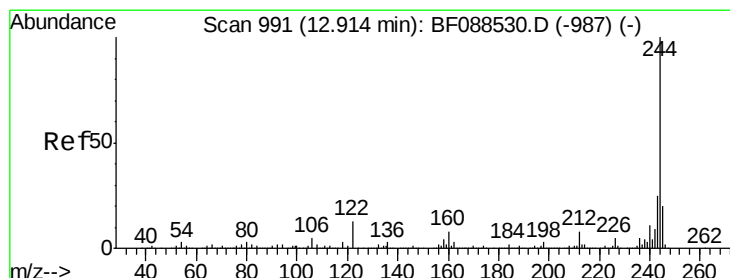
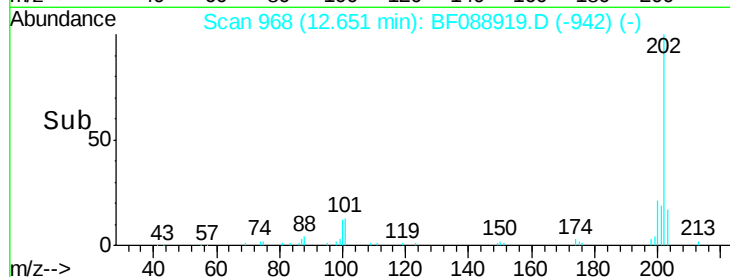
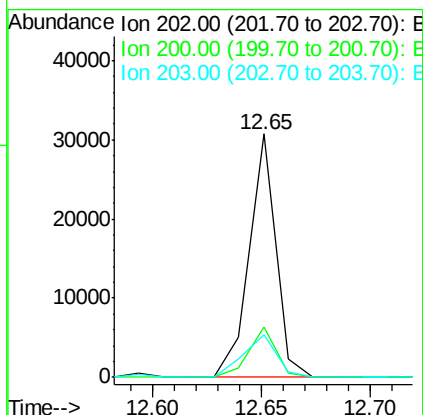
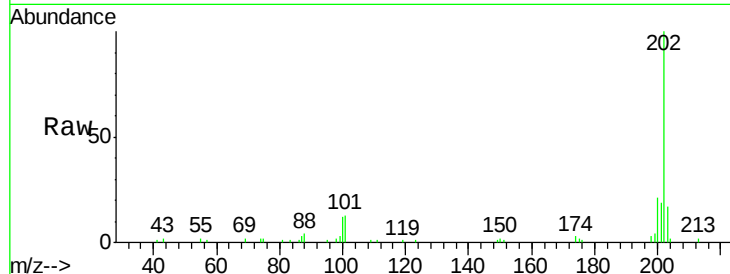
#77
Pvrene
Concen: 2.41 ng
RT: 12.65 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampleId :
N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.4	14.5	21.7

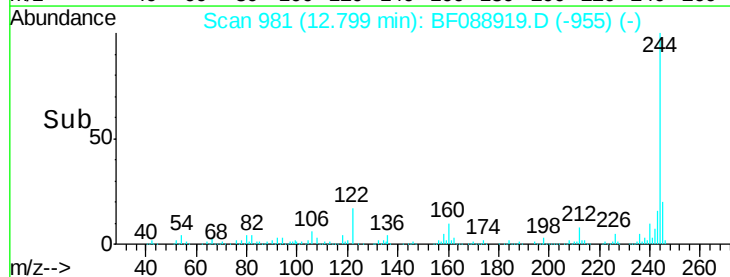
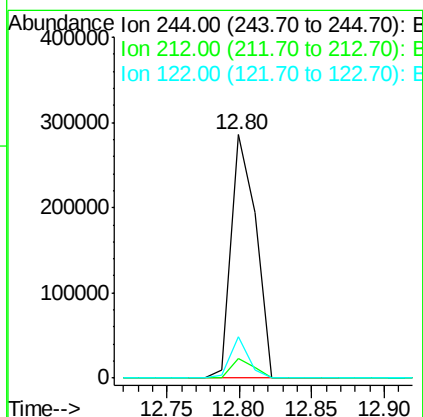
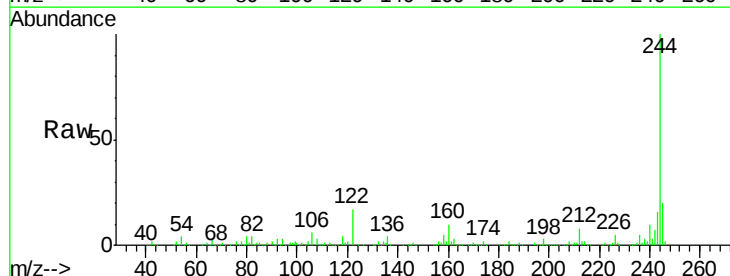
Manual Integrations

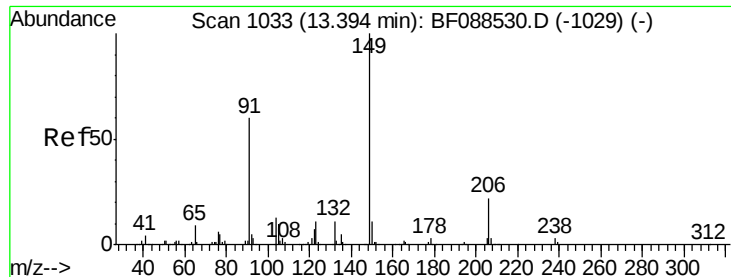
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#78
Terphenyl-d14
Concen: 59.07 ng
RT: 12.80 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	17.0	11.2	16.8#





#79

Butylbenzylphthalate

Concen: 0.57 ng

RT: 13.28 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

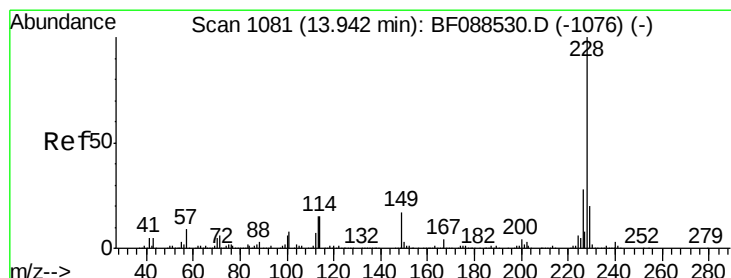
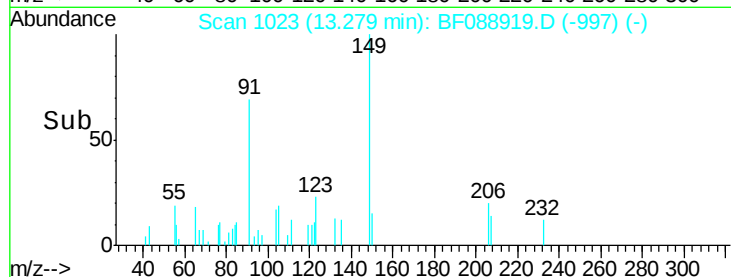
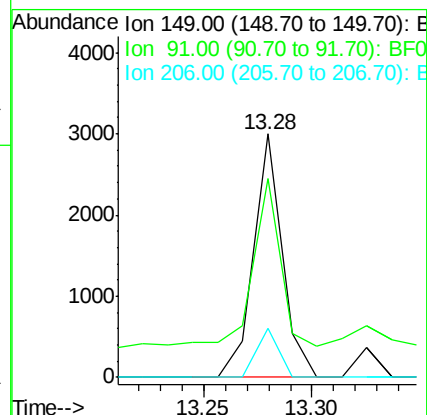
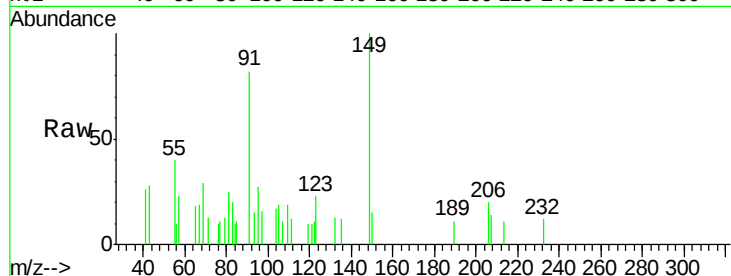
N8-B5(0-8)C

Tot Ion:	149	Resp:	2736
Ion Ratio	Lower	Upper	
149	100		
91	81.8	48.0	72.0#
206	20.0	16.0	24.0

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 2.01 ng

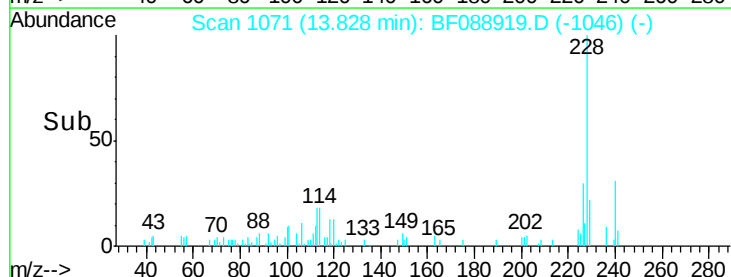
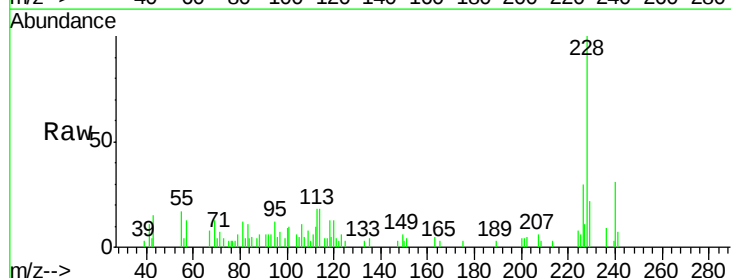
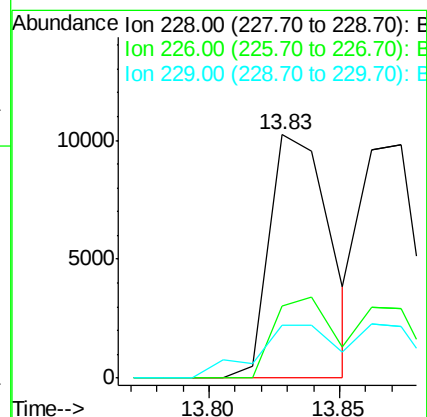
RT: 13.83 min Scan# 1071

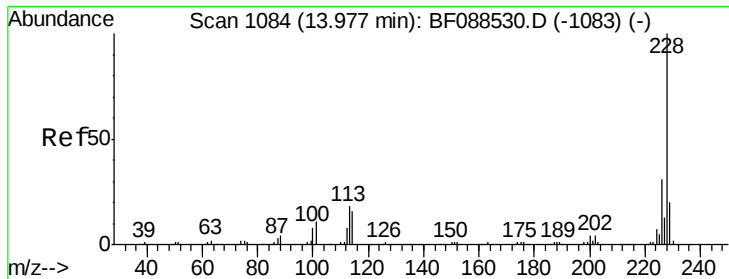
Delta R.T. -0.01 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Tgt Ion:	228	Resp:	16531
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.3	33.5
229	21.6	16.0	24.0





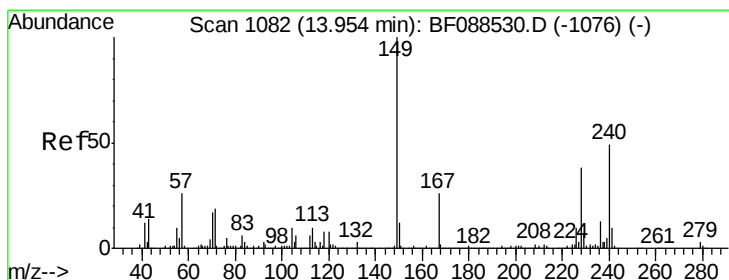
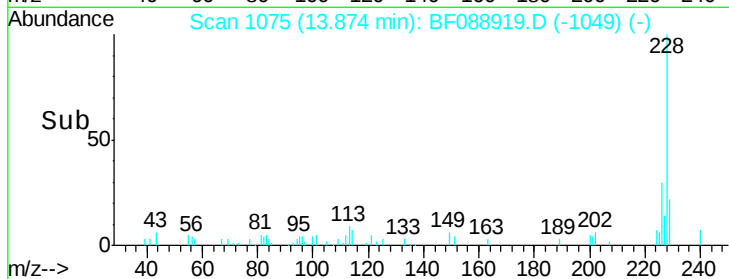
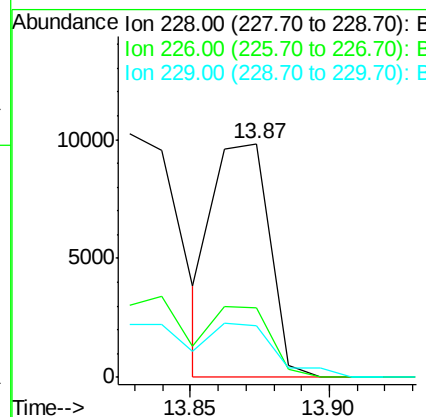
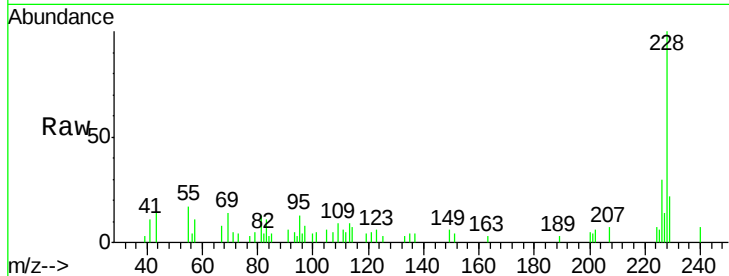
#82
Chrysene
Concen: 1.68 ng/ml
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampleId :
N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	22.1	16.3	24.5

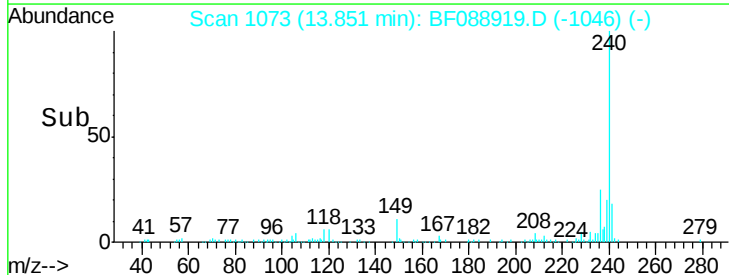
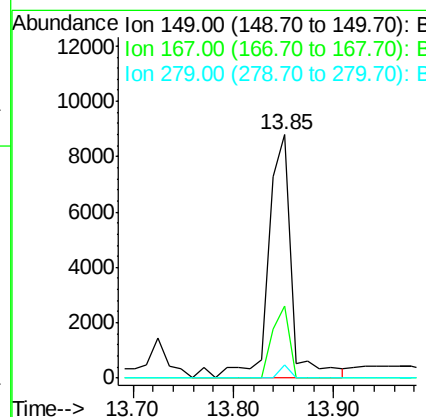
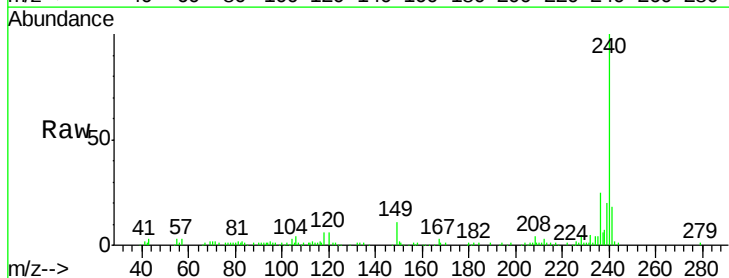
Manual Integrations

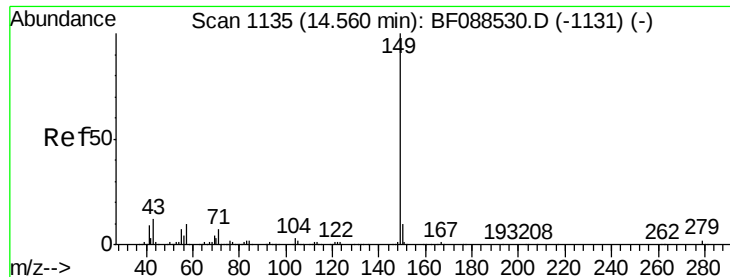
sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.55 ng
RT: 13.85 min Scan# 1073
Delta R.T. 0.01 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	20.5	30.7
279	5.6	2.0	3.0





#84

Di-n-octyl phthalate

Concen: 0.08 ng

RT: 14.46 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampled :

N8-B5(0-8)C

Tot Ion:149 Resp: 723

Ion Ratio Lower Upper

149 100

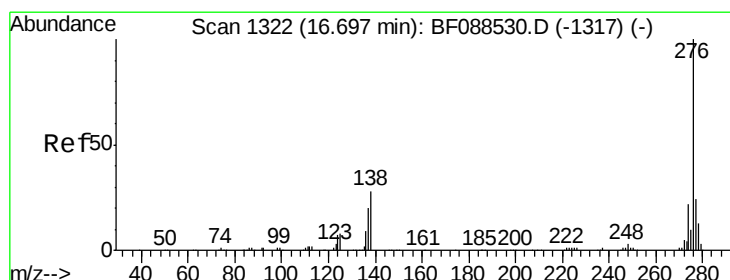
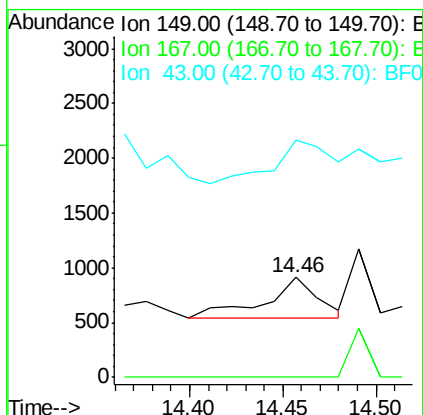
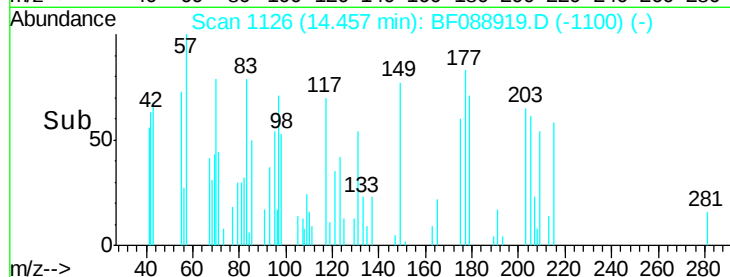
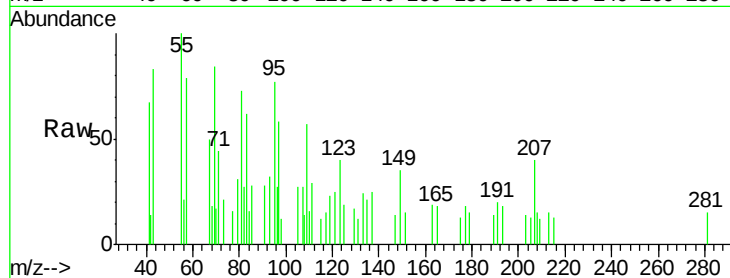
167 0.0 0.0 0.0

43 162.8 0.0 0.0#

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 1.24 ng

RT: 16.50 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF088919.D

Acq: 12 Jul 2016 00:45

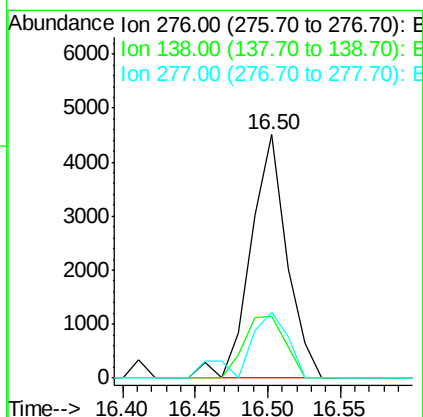
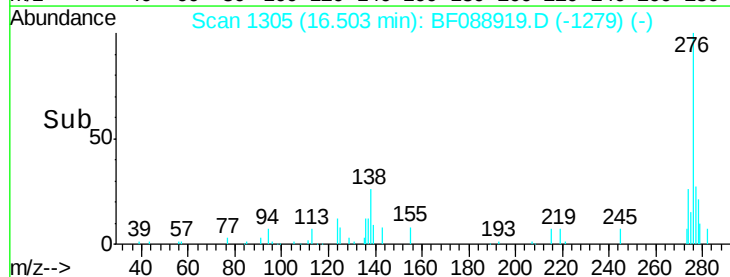
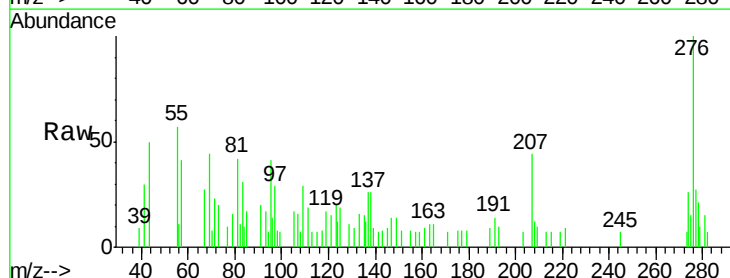
Tgt Ion:276 Resp: 7768

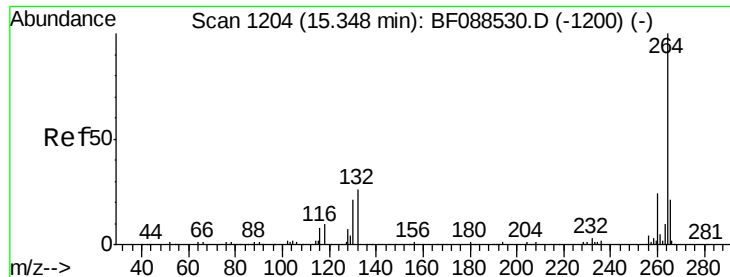
Ion Ratio Lower Upper

276 100

138 29.1 0.0 0.0#

277 30.6 0.0 0.0#





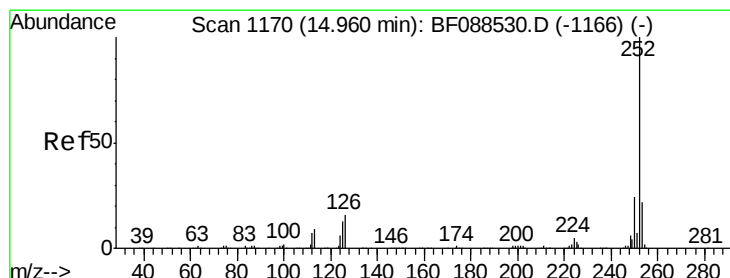
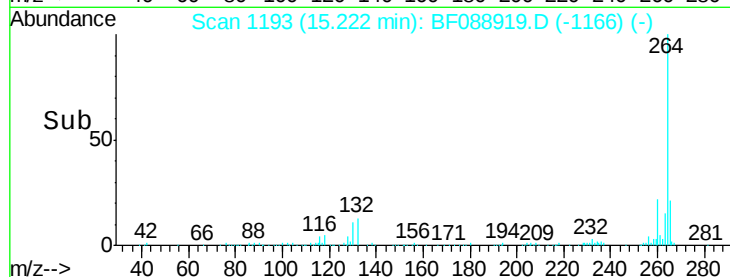
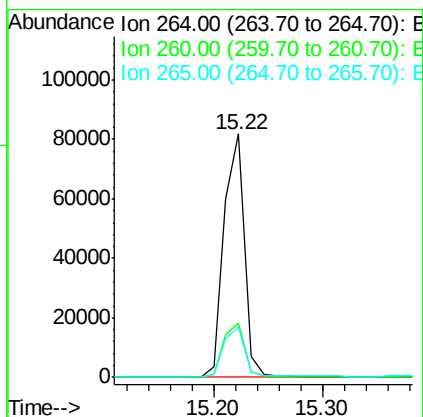
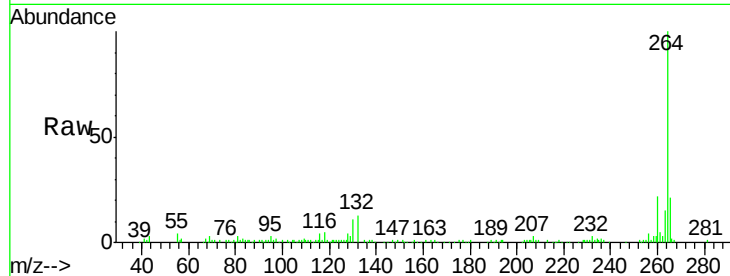
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampled :
N8-B5(0-8)C

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	20.7	16.9	25.3

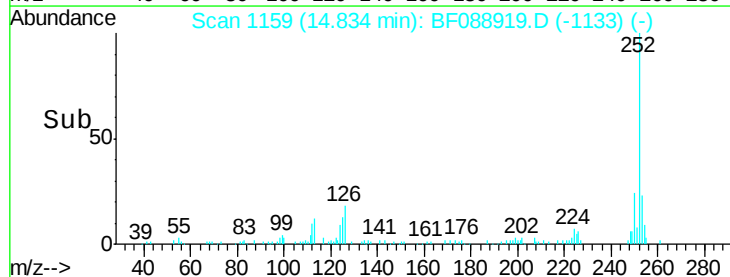
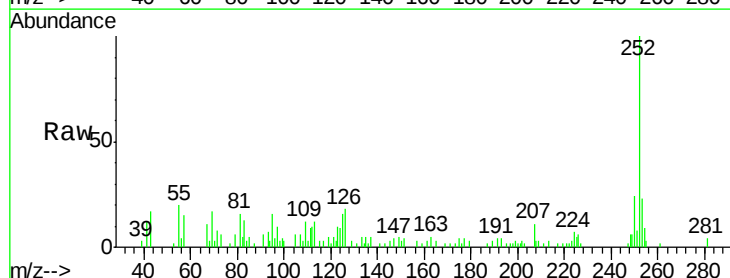
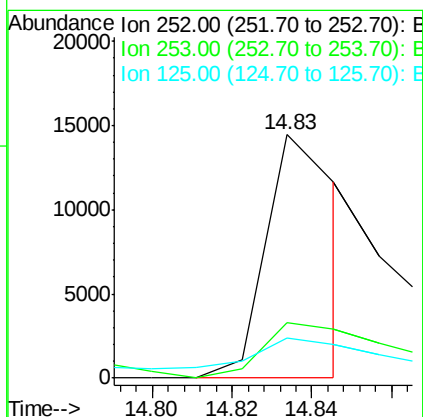
Manual Integrations

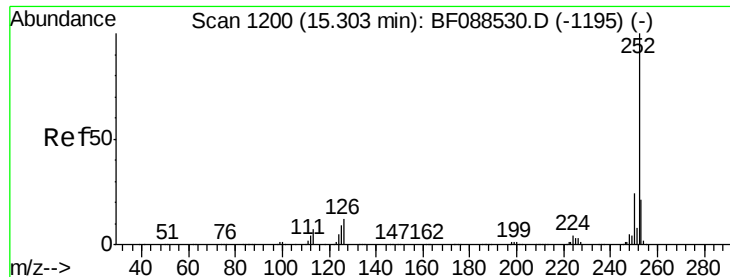
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#87
Benzo(b)fluoranthene
Concen: 2.80 ng m
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	16.5	7.1	10.7





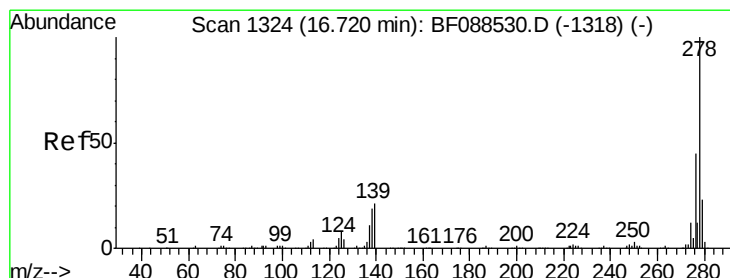
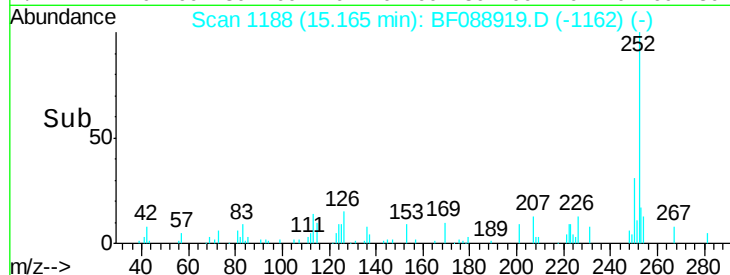
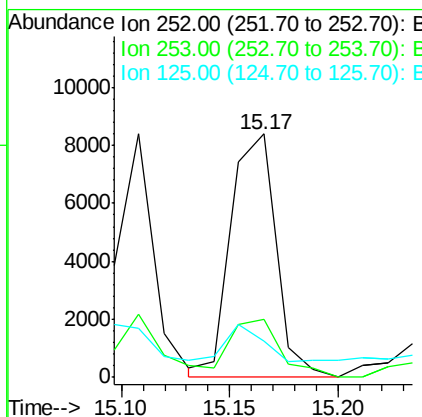
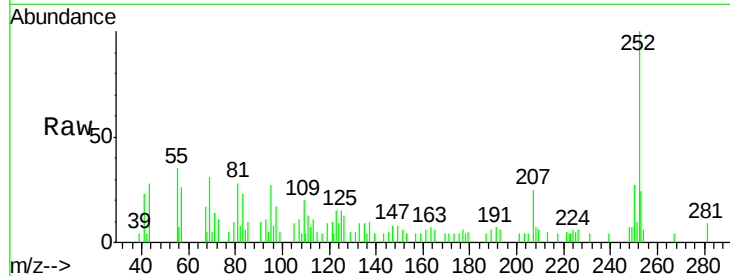
#89
Benzo(a)pyrene
Concen: 2.16 ng
RT: 15.17 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Instrument :
BNA_F
ClientSampled :
N8-B5(0-8)C

Tot Ion:	252	Resp:	12157
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	15.1	12.5	18.7

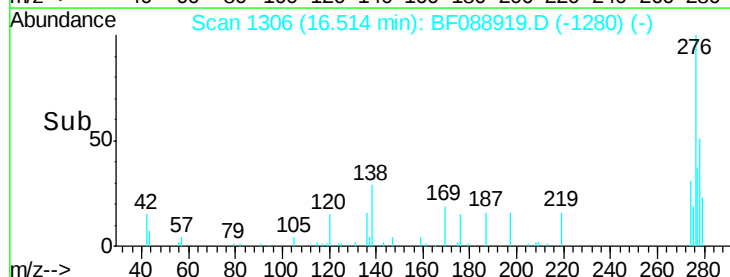
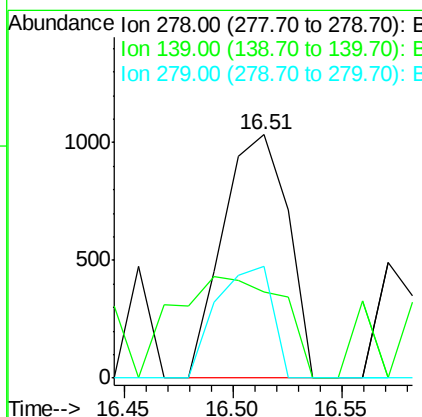
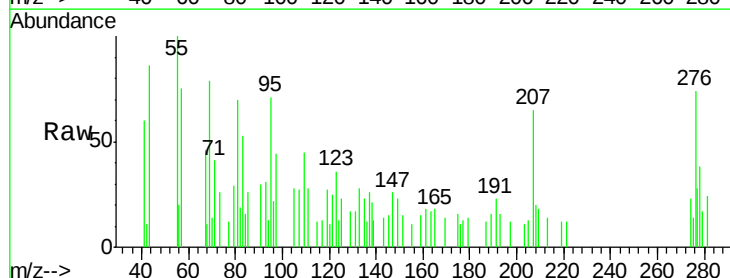
Manual Integrations

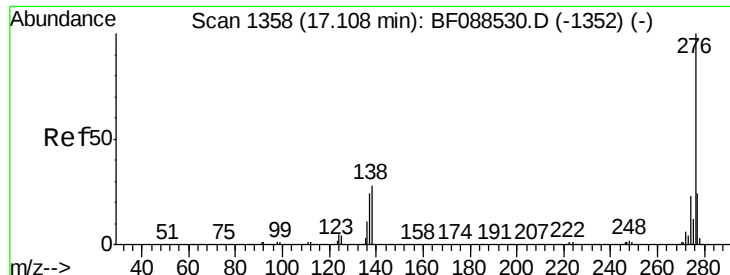
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#90
Dibenzo(a,h)anthracene
Concen: 0.46 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF088919.D
Acq: 12 Jul 2016 00:45

Tgt Ion:	278	Resp:	2156
Ion Ratio	Lower	Upper	
278	100		
139	35.4	15.7	23.5#
279	46.1	19.4	29.2#





#91

Benzo(a,h,i)perylene

Concen: 1.61 ng

RT: 16.89 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF088919.D

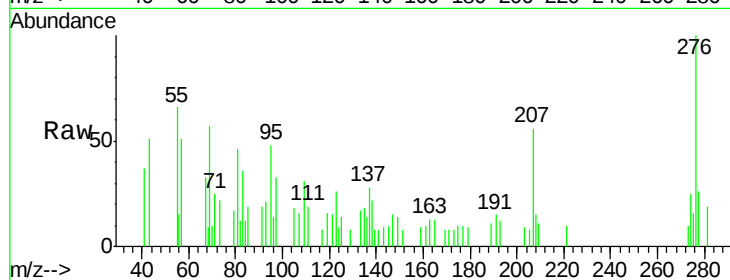
Acq: 12 Jul 2016 00:45

Instrument :

BNA_F

ClientSampleId :

N8-B5(0-8)C



Tot Ion: 276 Resp: 7827

Ion Ratio Lower Upper

276 100

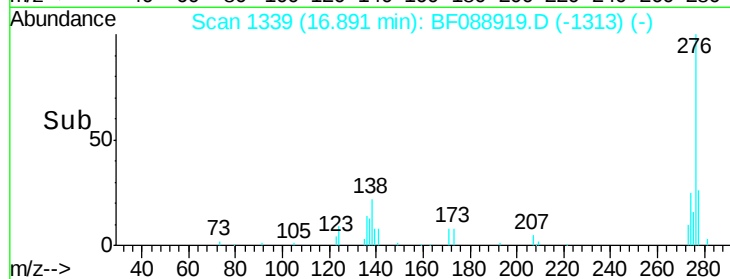
277 26.0 18.9 28.3

138 21.7 21.4 32.2

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

