

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
 Data File : BF088980.D
 Acq On : 14 Jul 2016 2:03
 Operator : UM/SJ
 Sample : H3946-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Manual Integrations

APPROVED
 Sohil
 7/14/2016 4:20:00 AM

Quant Time: Jul 14 11:37:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:23:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	70472	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	243311	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	97737	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	149593	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	130822	20.00	ng	-0.01
86) Perylene-d12	15.20	264	108144	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	461647	98.18	ng	0.01
7) Phenol-d6	6.35	99	580998	95.62	ng	0.00
23) Nitrobenzene-d5	7.27	82	356633	76.81	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	85852	94.59	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	584808	94.51	ng	0.00
78) Terphenyl-d14	12.79	244	330857	56.33	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	211	0.09	ng	# 87
6) Aniline	6.47	93	754	0.09	ng	# 1
9) Benzaldehyde	6.34	77	856	0.21	ng	# 1
10) Phenol	6.35	94	1487	0.21	ng	# 1
11) bis(2-Chloroethyl)ether	6.47	93	754	0.15	ng	# 1
15) Benzyl Alcohol	6.84	79	6364	1.42	ng	# 49
24) Nitrobenzene	7.26	77	1010	0.22	ng	# 31
31) Naphthalene	8.00	128	1398	0.12	ng	# 68
37) 2-Methylnaphthalene	8.70	142	313	0.04	ng	# 66
45) 1,1'-Biphenyl	9.06	154	1216	0.15	ng	# 1
47) 2-Nitroaniline	9.45	65	957	0.42	ng	# 1
48) Acenaphthylene	9.59	152	2042	0.20	ng	# 82
49) Dimethylphthalate	9.45	163	101551	14.58	ng	# 99
50) 2,6-Dinitrotoluene	9.45	165	1025	0.66	ng	# 1
51) Acenaphthene	9.76	154	1311	0.21	ng	# 97
54) Dibenzofuran	9.93	168	708	0.09	ng	# 88
57) Fluorene	10.27	166	841	0.13	ng	# 86
59) Diethylphthalate	10.16	149	232	0.03	ng	# 60
62) Azobenzene	10.51	77	502	0.06	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	3331	0.66	ng	# 41
70) Phenanthrene	11.22	178	20460	2.50	ng	# 99
71) Anthracene	11.28	178	5786	0.71	ng	# 97
72) Carbazole	11.44	167	2149	0.28	ng	# 84
73) Di-n-butylphthalate	11.78	149	1650	0.19	ng	# 77
74) Fluoranthene	12.41	202	59761	7.21	ng	# 94
77) Pyrene	12.63	202	47373m	4.27	ng	#
79) Butylbenzylphthalate	13.27	149	579	0.12	ng	# 41
80) Benzo(a)anthracene	13.82	228	33906m	4.03	ng	#
81) 3,3'-Dichlorobenzidine	13.87	252	215	0.07	ng	# 52
82) Chrysene	13.85	228	34942m	4.19	ng	#
83) Bis(2-ethylhexyl)phthalate	13.83	149	5375	0.95	ng	# 93
84) Di-n-octyl phthalate	14.41	149	2392	0.25	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.48	276	19982	3.12	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	47227m	6.96	ng	#

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QLast Update : Thu Jul 14 01:23:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	14.85	252	17376m	2.94	ng	
89) Benzo(a)pyrene	15.14	252	29330	5.11	ng	97
90) Dibenzo(a,h)anthracene	16.49	278	5389	1.12	ng	# 83
91) Benzo(g,h,i)perylene	16.86	276	17578	3.54	ng	96

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

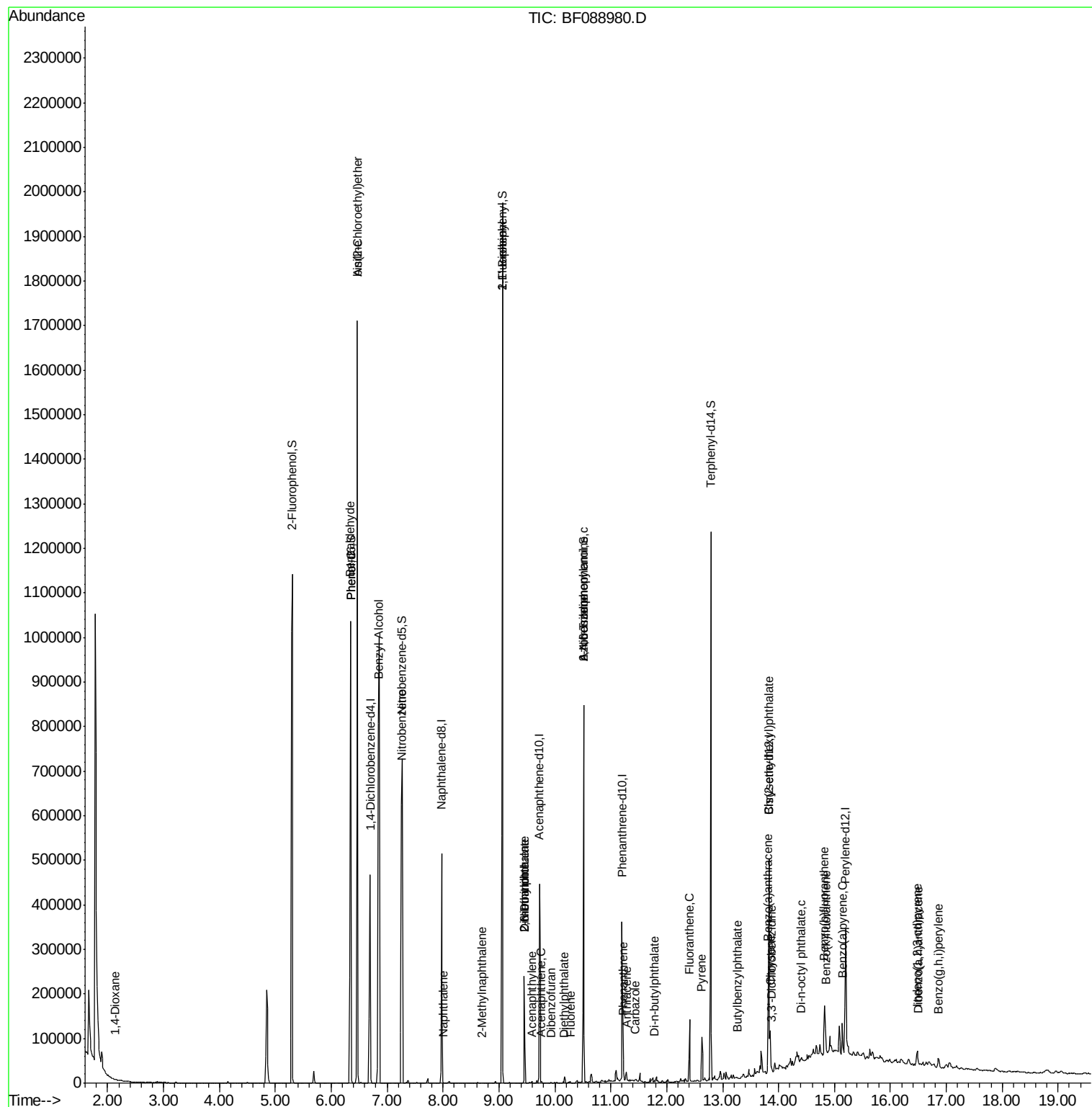
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
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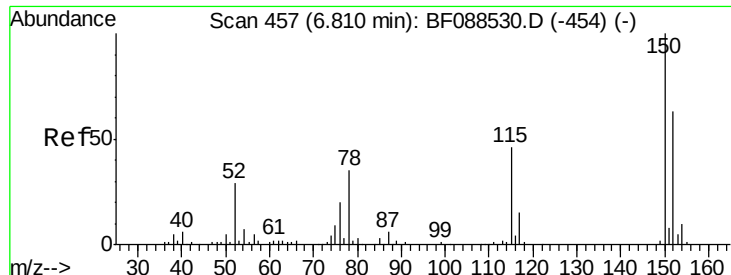
Instrument :
BNA_F
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion:152 Resp: 70472

Ion Ratio Lower Upper

152 100

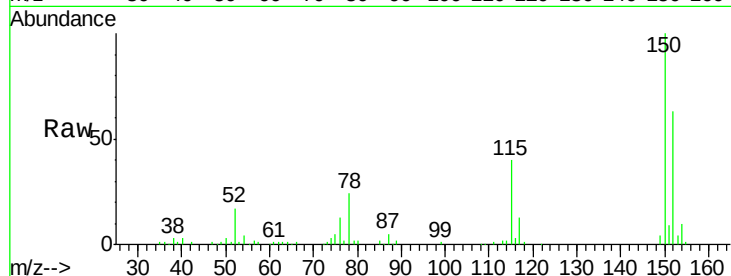
150 158.2 123.8 185.6

115 62.6 39.6 59.4#

Manual Integrations

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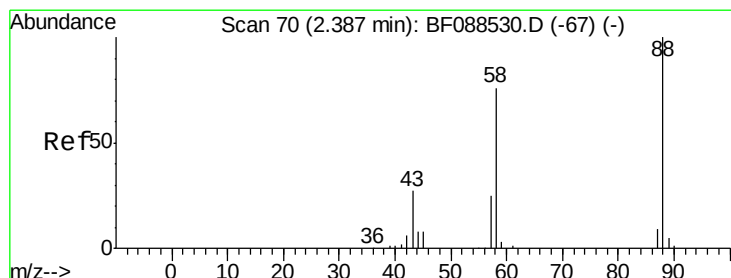
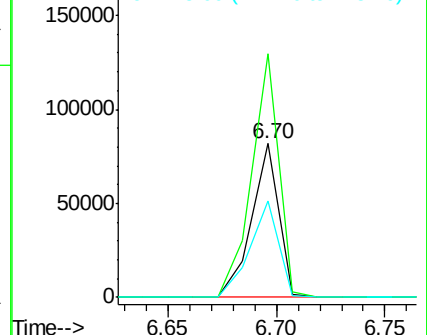
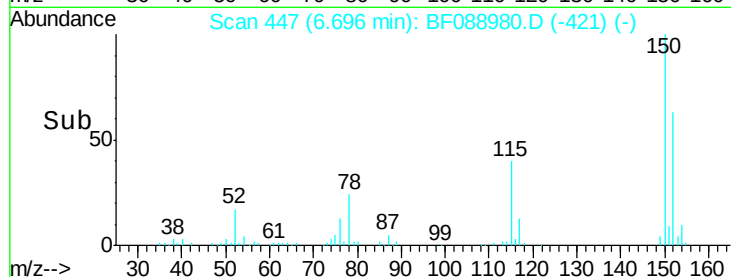
7/14/2016 4:20:00 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.09 ng

RT: 2.14 min Scan# 48

Delta R.T. -0.07 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

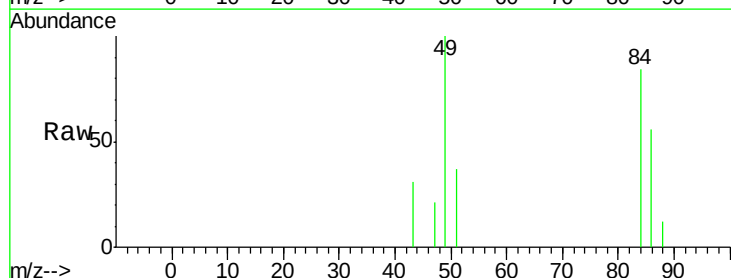
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

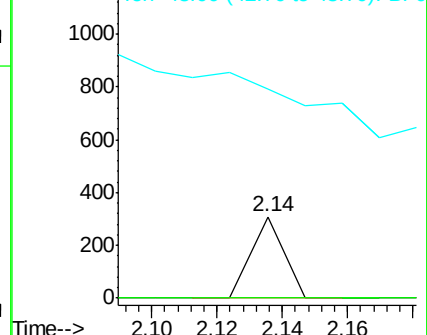
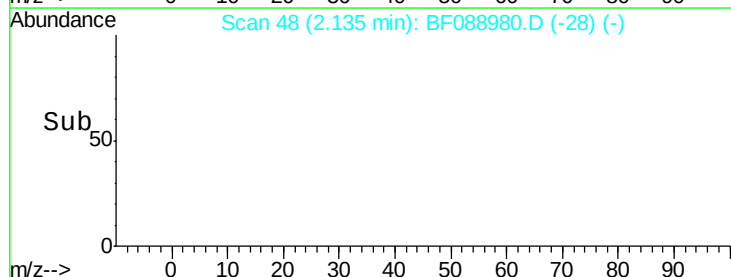
43 0.0 3.4 5.2#

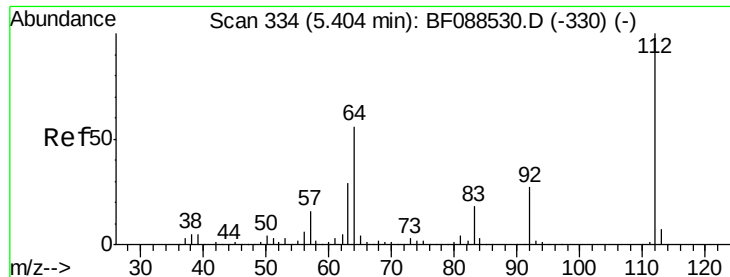


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 98.18 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampled :

Q7-B1(0-5)C

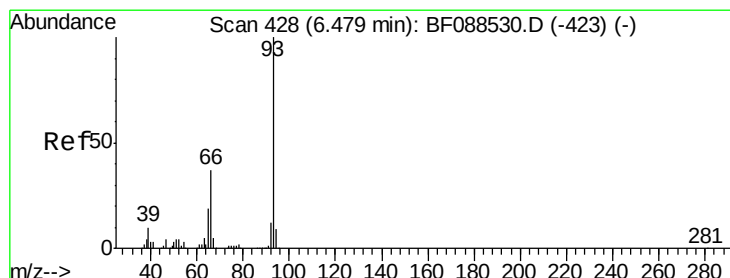
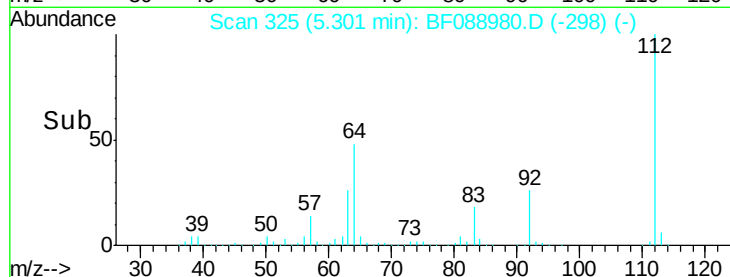
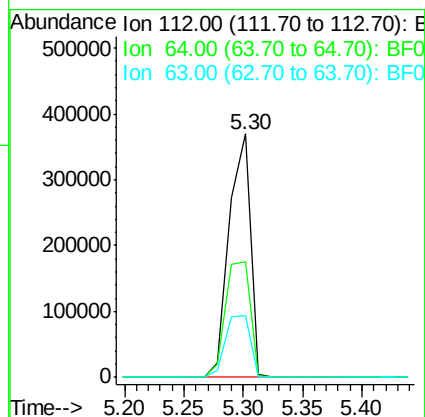
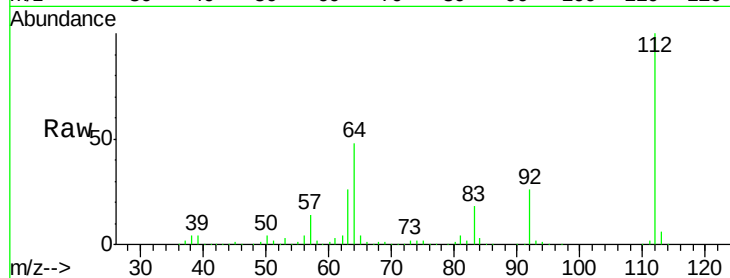
Tot Ion:	112	Resp:	461647
Ion Ratio	Lower	Upper	
112	100		
64	47.7	42.2	63.2
63	25.6	21.8	32.8

Manual Integrations

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#6

Aniline

Concen: 0.09 ng

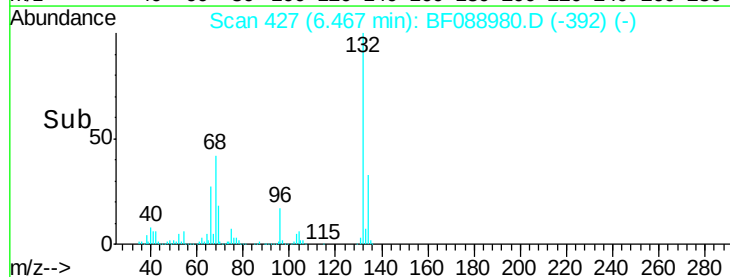
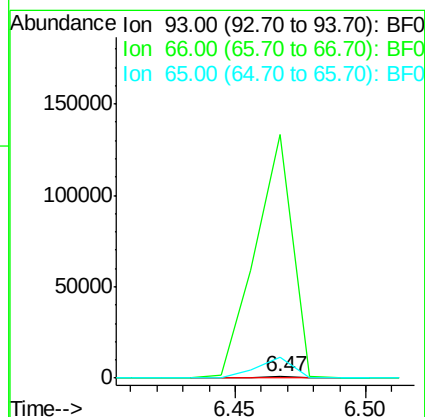
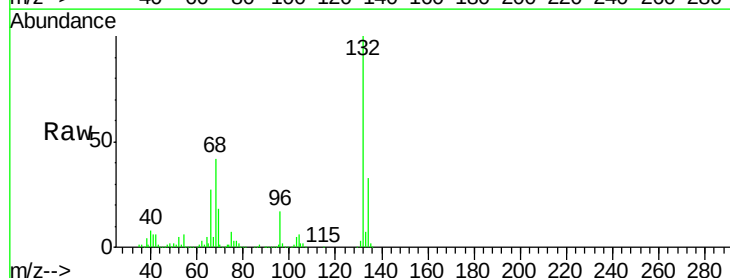
RT: 6.47 min Scan# 427

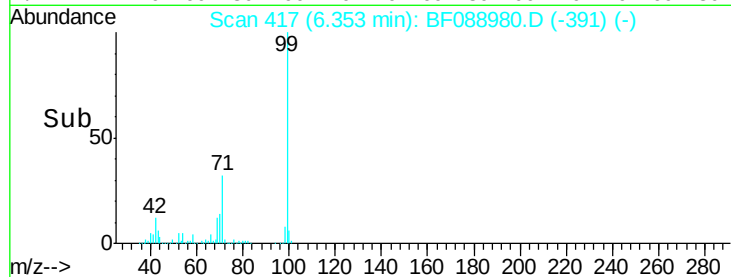
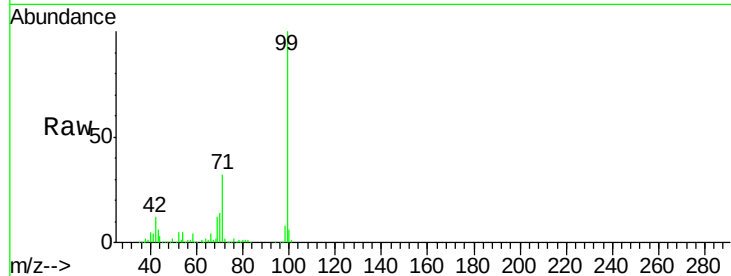
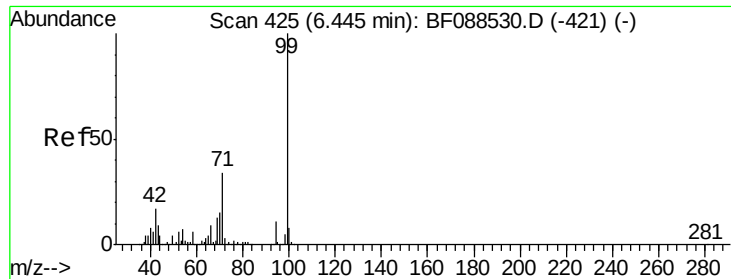
Delta R.T. 0.10 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	93	Resp:	754
Ion Ratio	Lower	Upper	
93	100		
66	17672.1	29.8	44.8#
65	1520.2	14.9	22.3#





#7

Phenol-d6

Concen: 95.62 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tot Ion:	99	Resp:	580998
Ion	Ratio	Lower	Upper
99	100		
42	12.1	12.2	18.2#
71	31.6	23.4	35.0

Instrument :

BNA_F

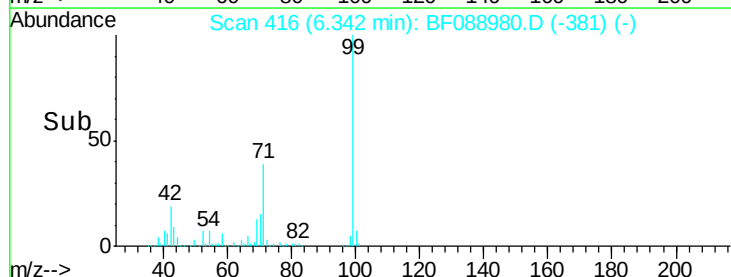
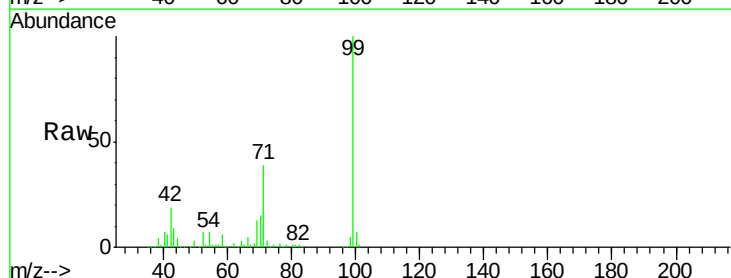
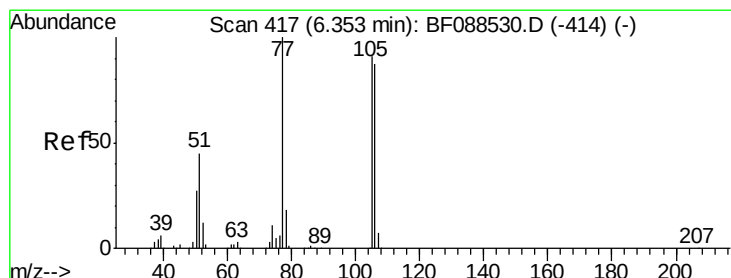
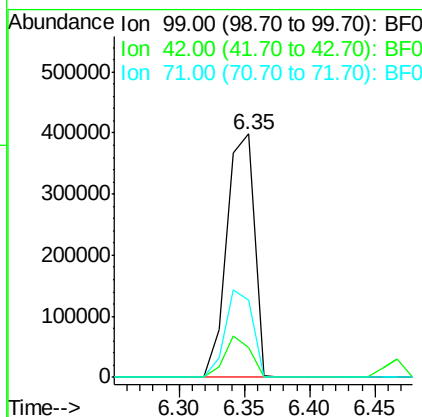
ClientSampled :

Q7-B1(0-5)C

Manual Integrations

Sohil

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#9

Benzaldehyde

Concen: 0.21 ng

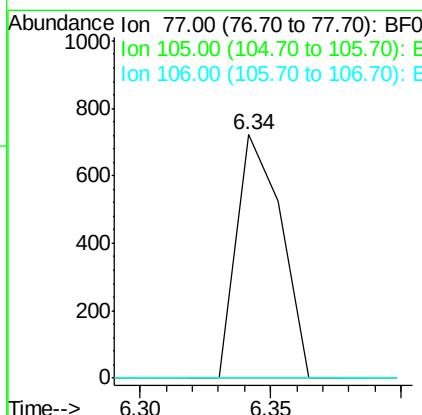
RT: 6.34 min Scan# 416

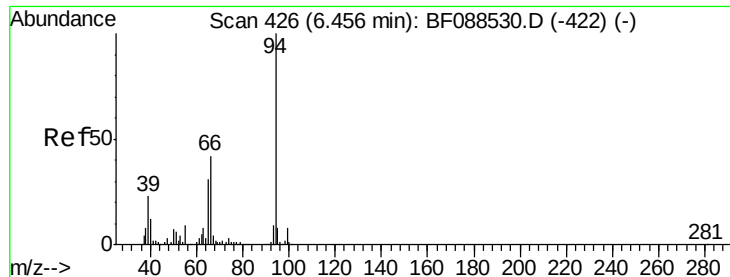
Delta R.T. 0.10 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	77	Resp:	856
Ion	Ratio	Lower	Upper
77	100		
105	0.0	90.6	130.6#
106	0.0	85.3	125.3#





#10

Phenol

Concen: 0.21 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion: 94 Resp: 1487

Ion Ratio Lower Upper

94 100

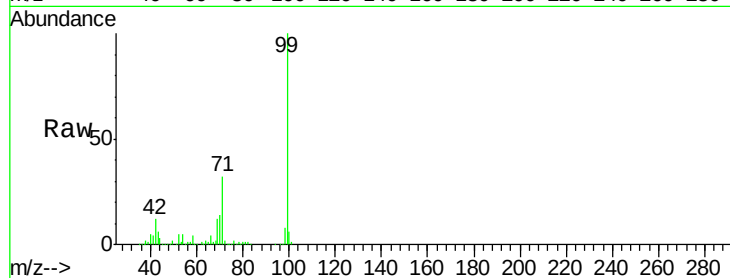
65 296.8 5.9 45.9#

66 1405.8 14.0 54.0#

Manual Integrations

Sohil

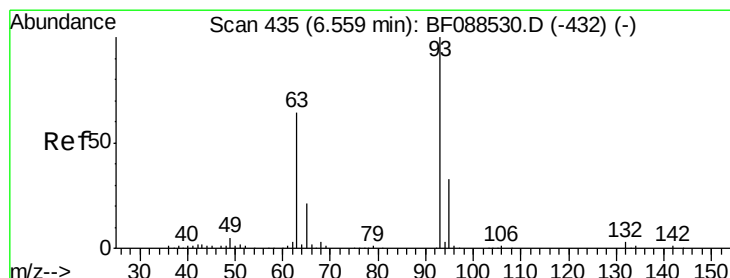
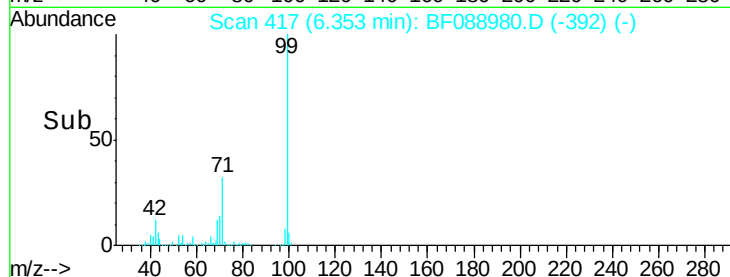
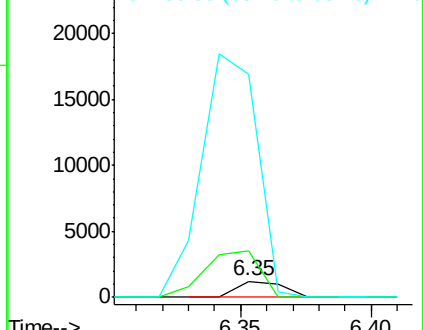
7/14/2016 4:20:00 AM



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.02 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

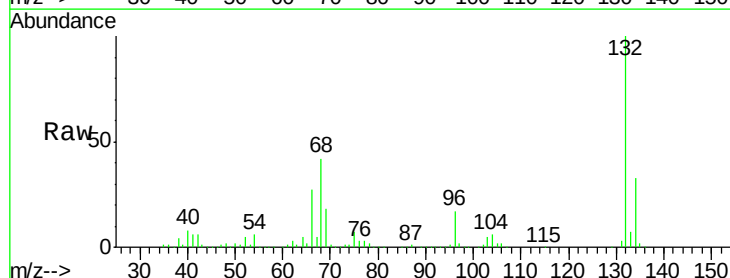
Tgt Ion: 93 Resp: 754

Ion Ratio Lower Upper

93 100

63 680.0 67.6 107.6#

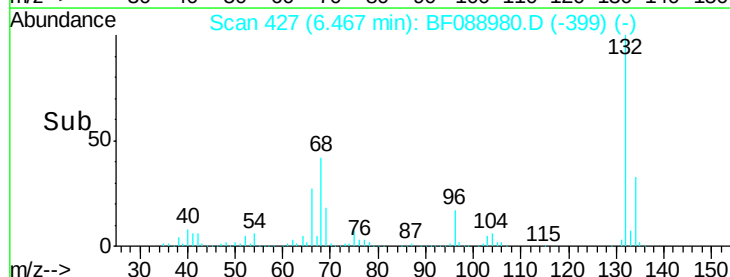
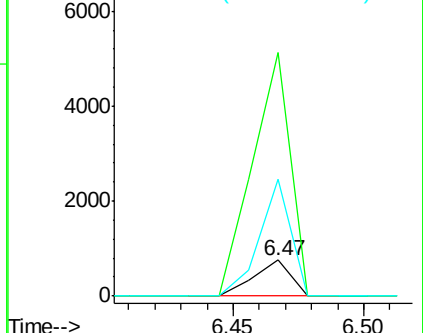
95 326.3 12.5 52.5#

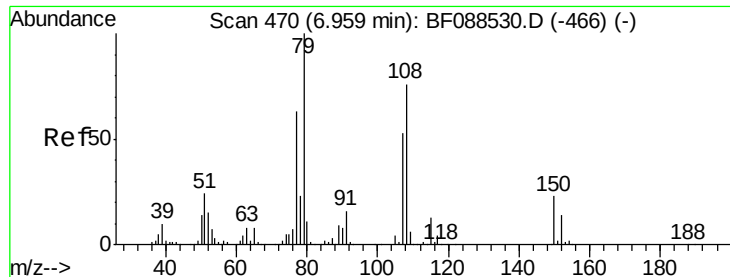


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.42 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

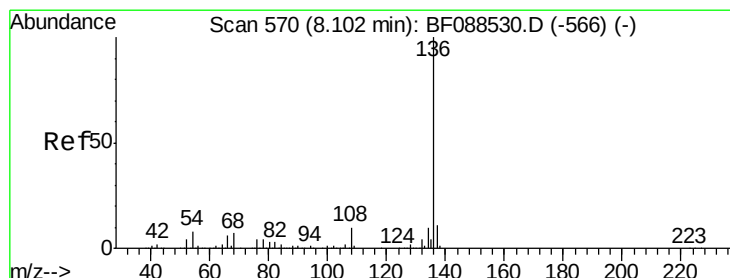
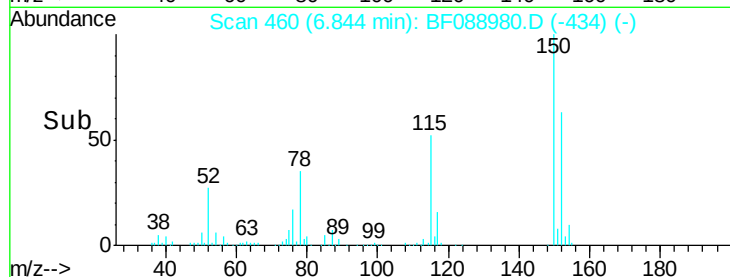
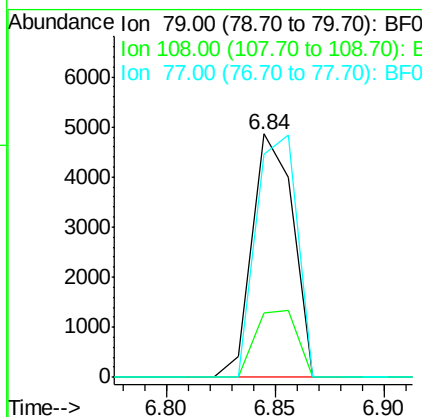
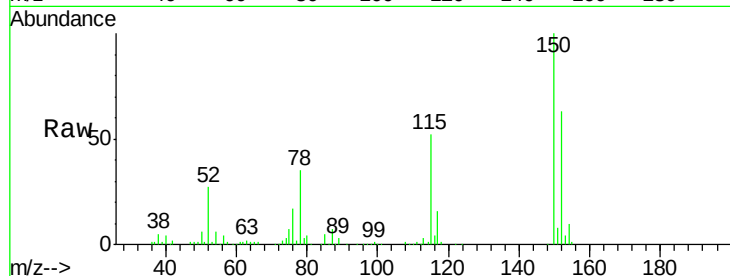
Q7-B1(0-5)C

Tot Ion:	79	Resp:	6364
Ion	Ratio	Lower	Upper
79	100		
108	26.6	65.0	97.6#
77	91.5	50.3	75.5#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

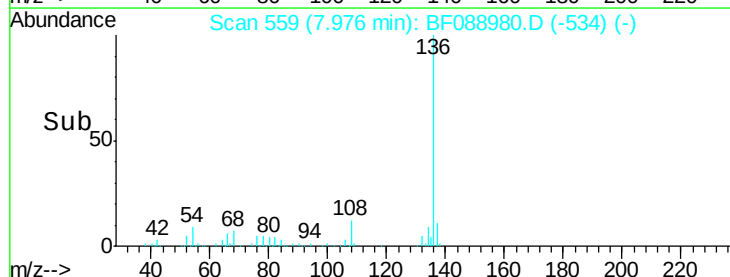
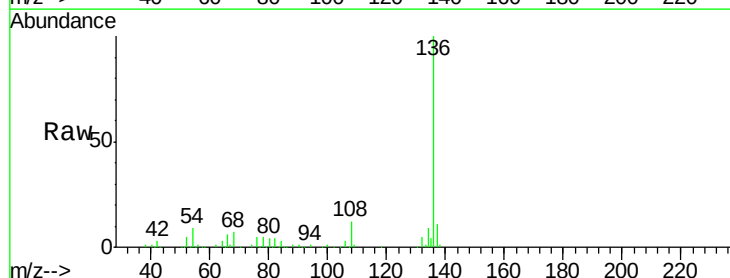
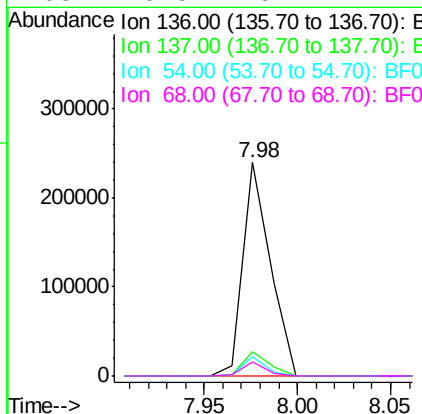
RT: 7.98 min Scan# 559

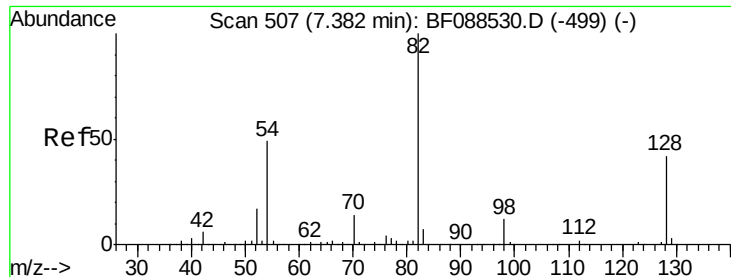
Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	136	Resp:	243311
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.7	6.6	10.0
68	6.5	5.1	7.7





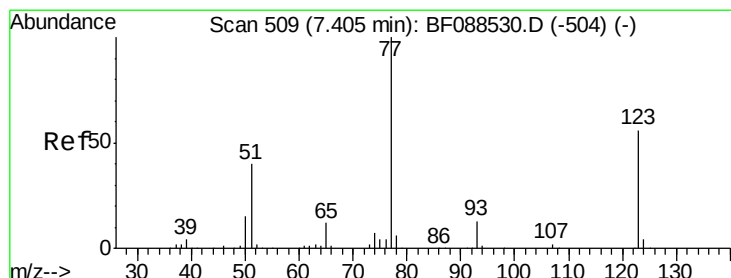
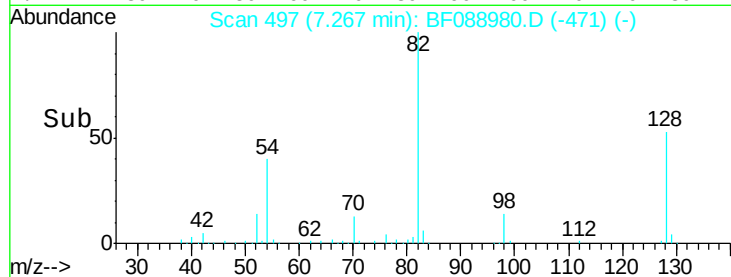
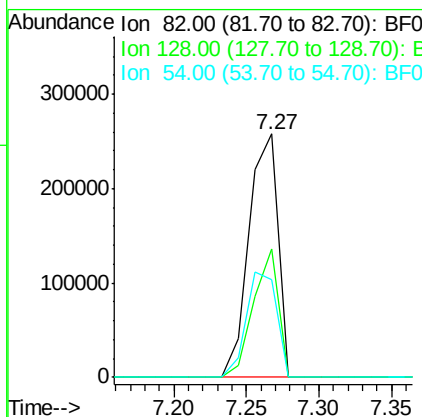
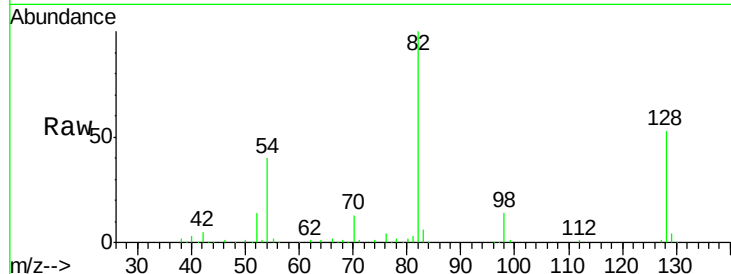
#23
 Nitrobenzene-d5
 Concen: 76.81 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.9	35.9	53.9
54	40.1	40.9	61.3#

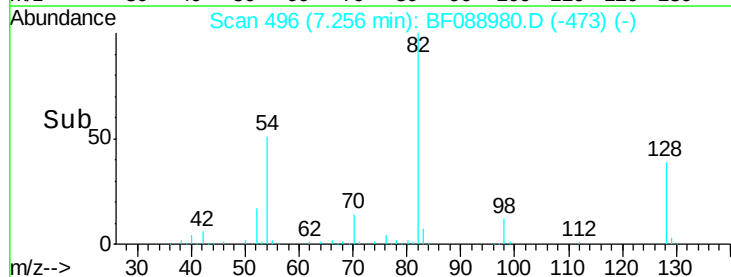
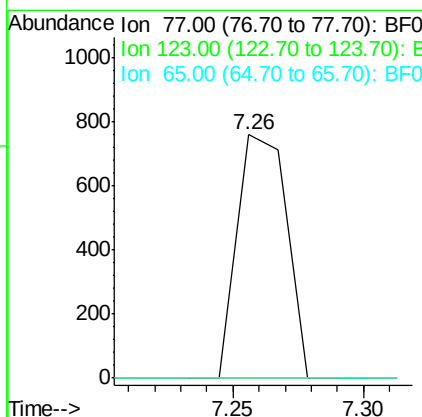
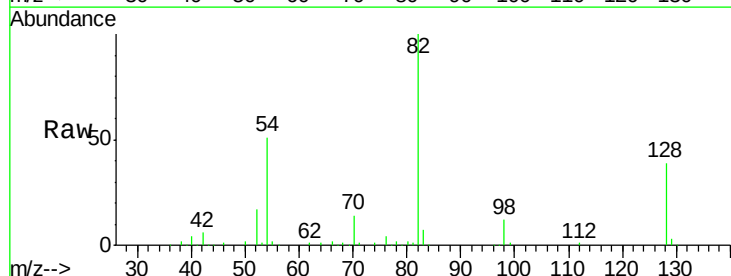
Manual Integrations

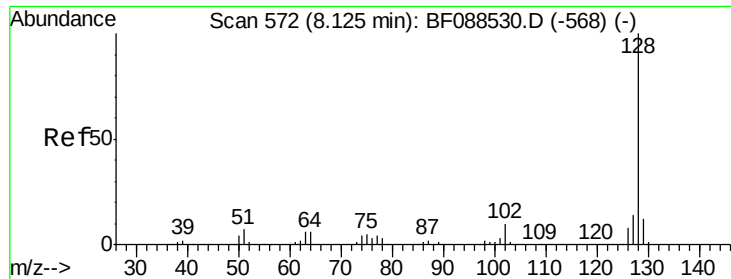
APPROVED
 Sohil
 7/14/2016 4:20:00 AM



#24
 Nitrobenzene
 Concen: 0.22 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.03 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	0.0	10.2	15.2#





#31

Naphthalene

Concen: 0.12 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampled :

Q7-B1(0-5)C

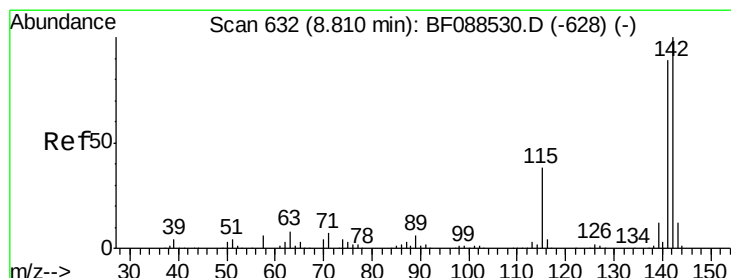
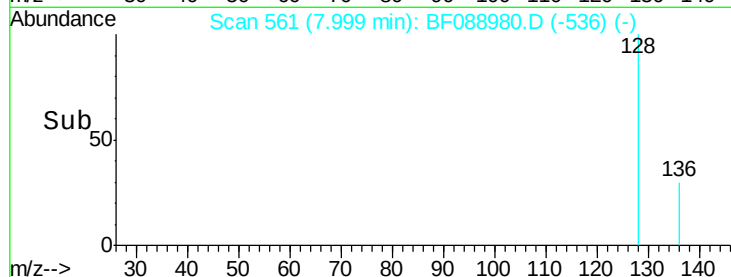
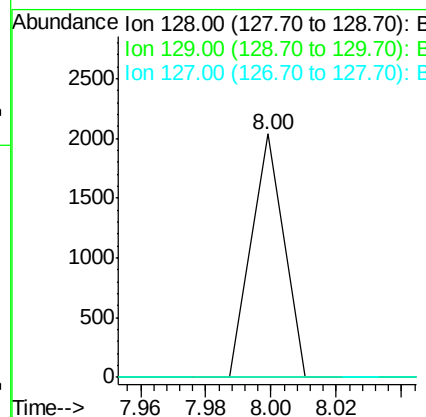
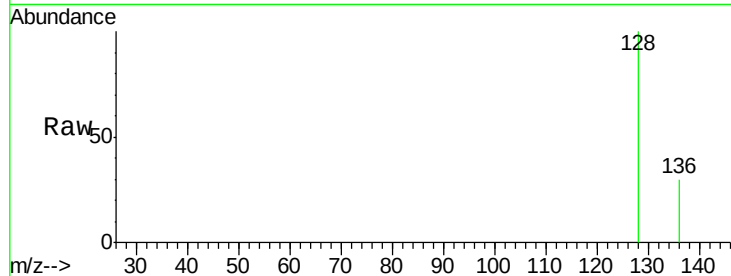
Tot Ion:	128	Resp:	1398
Ion Ratio	Lower	Upper	
128	100		
129	0.0	9.4	14.2#
127	0.0	10.9	16.3#

Manual Integrations

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#37

2-Methylnaphthalene

Concen: 0.04 ng

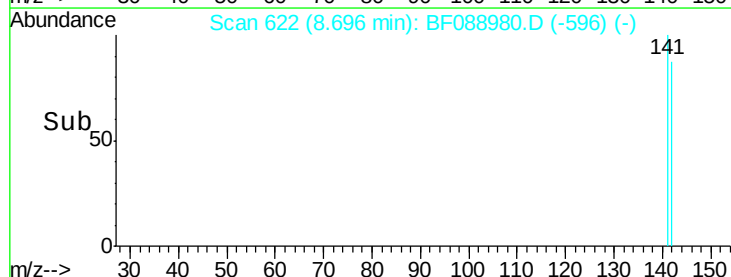
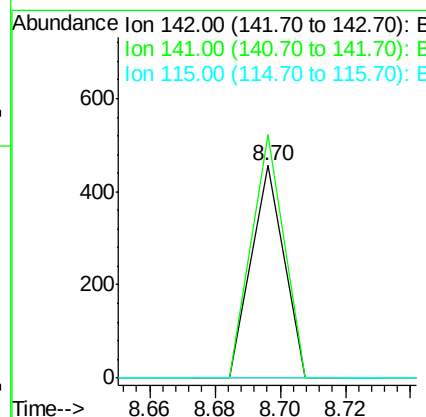
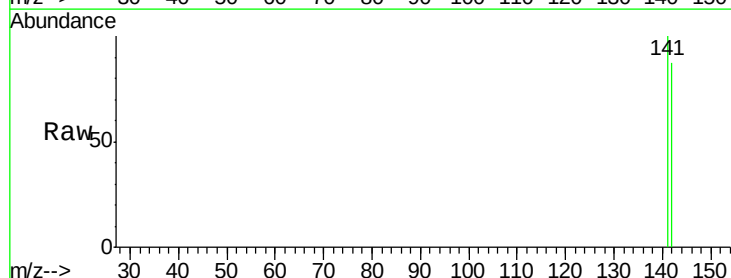
RT: 8.70 min Scan# 622

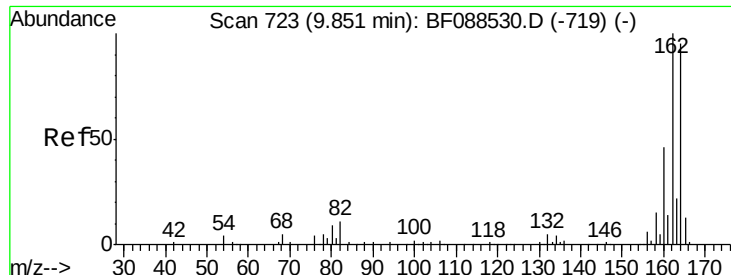
Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	142	Resp:	313
Ion Ratio	Lower	Upper	
142	100		
141	114.4	71.0	106.6#
115	0.0	22.6	33.8#





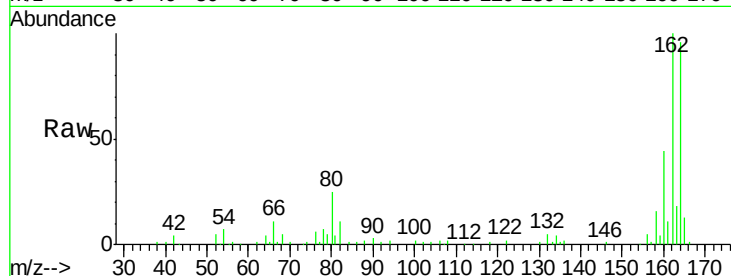
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampled :
Q7-B1(0-5)C

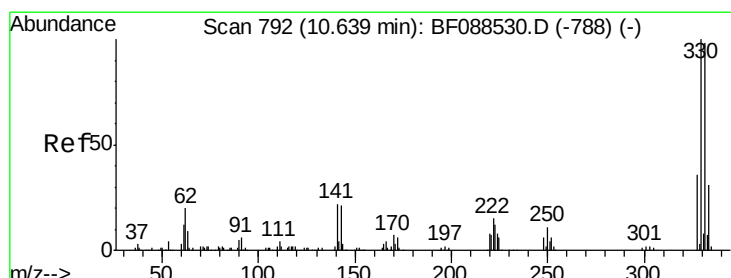
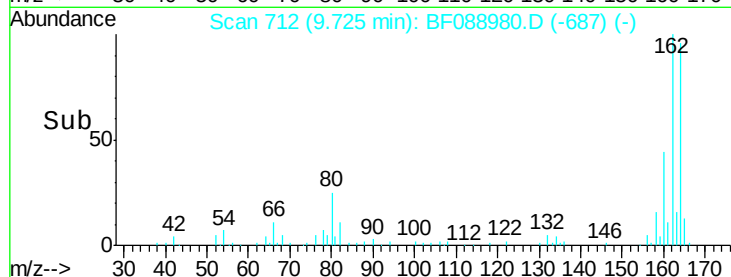
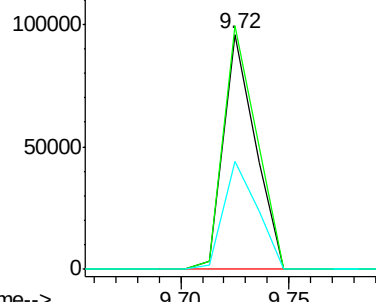
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.4	128.2
160	46.0	39.5	59.3

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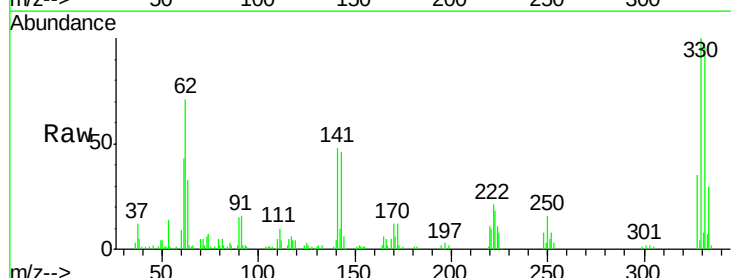


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

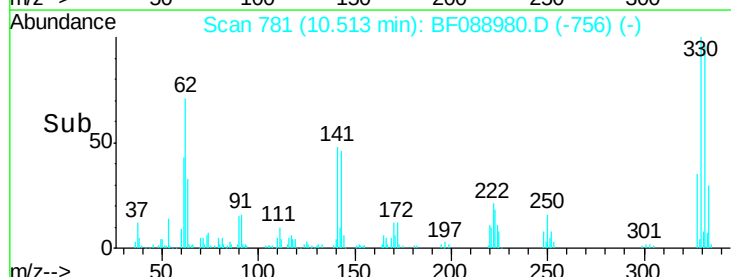
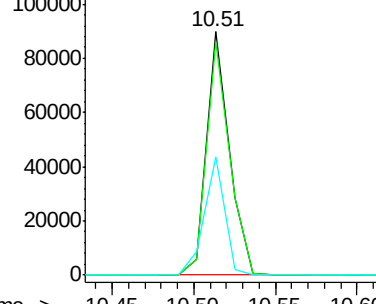


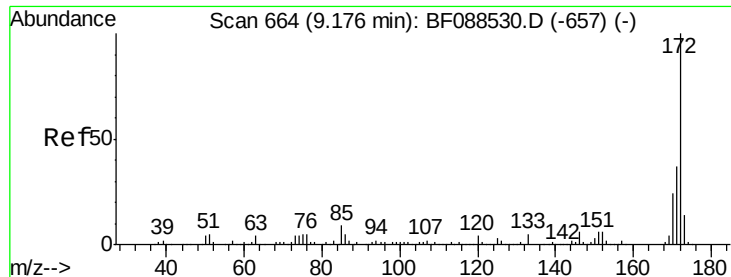
#41
2,4,6-Tribromophenol
Concen: 94.59 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	43.2	0.0	0.0#



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





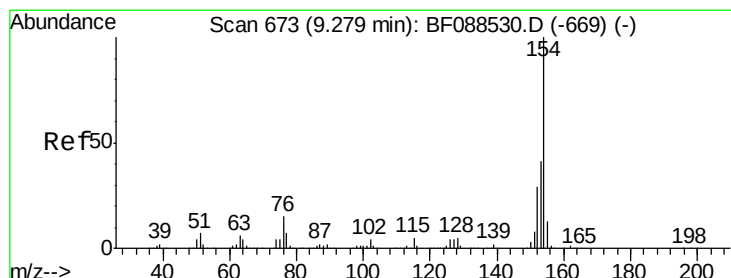
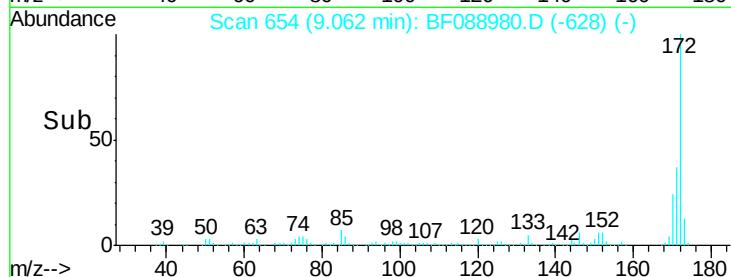
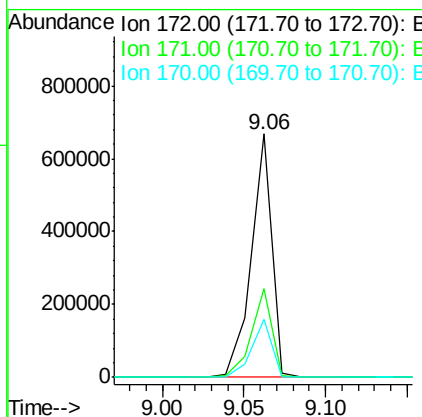
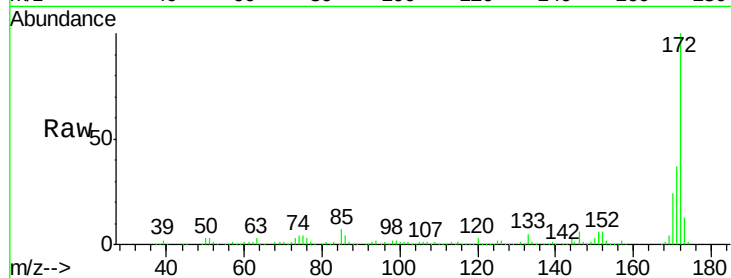
#44
2-Fluorobiphenyl
Concen: 94.51 ng
RT: 9.06 min Scan# 654
Delta R.T. 0.00 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	23.9	19.2	28.8

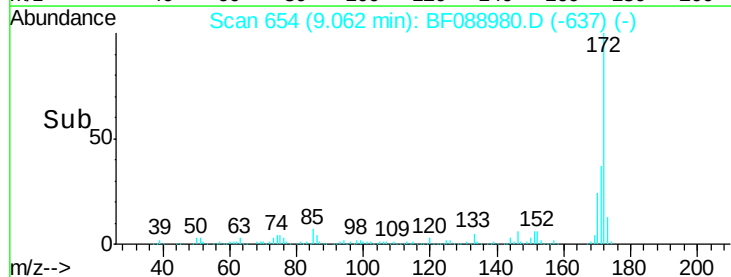
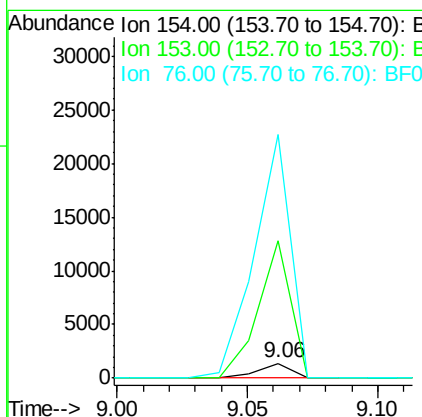
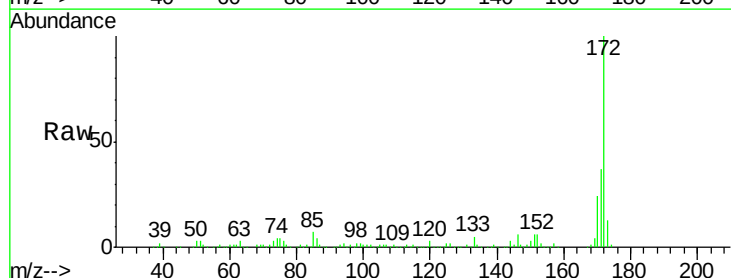
Manual Integrations

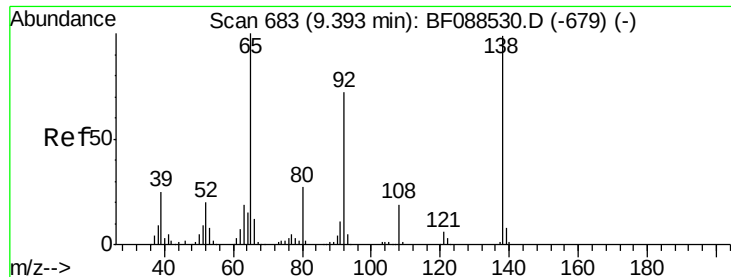
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#45
1,1'-Biphenyl
Concen: 0.15 ng
RT: 9.06 min Scan# 654
Delta R.T. -0.10 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	923.6	20.6	60.6#
76	1641.1	0.0	35.1#





#47

2-Nitroaniline

Concen: 0.42 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.17 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

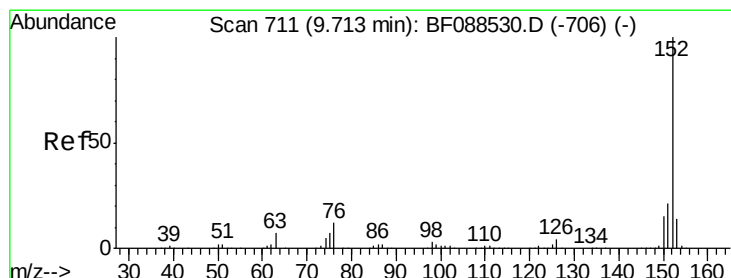
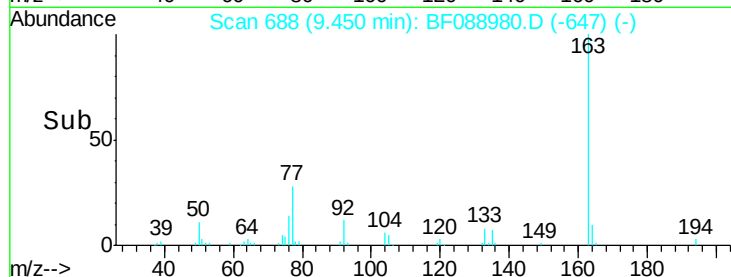
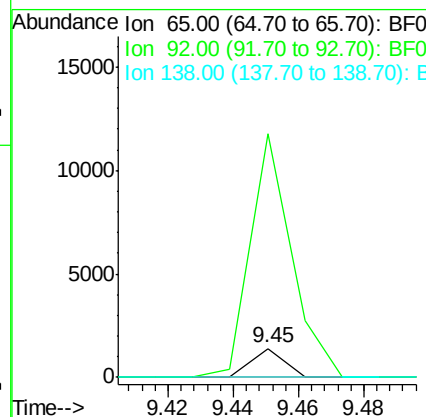
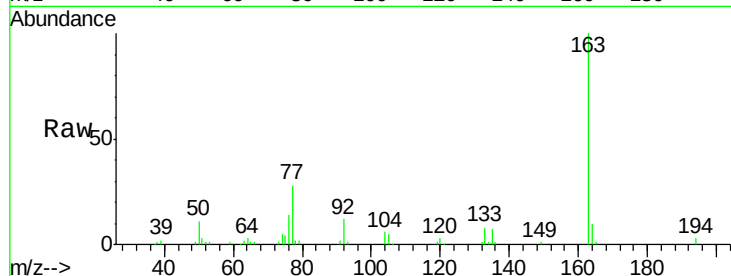
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
65	100		
92	843.5	54.6	82.0#
138	0.0	77.0	115.4#

Manual Integrations

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#48

Acenaphthylene

Concen: 0.20 ng

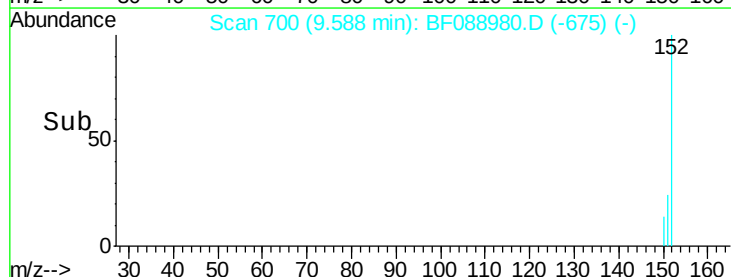
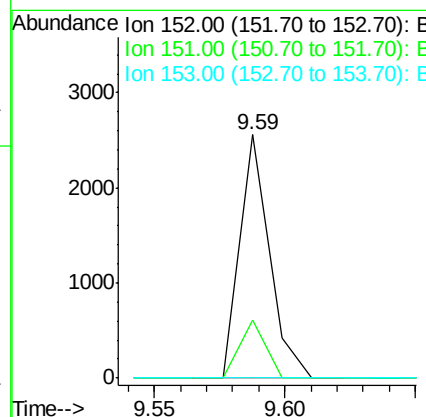
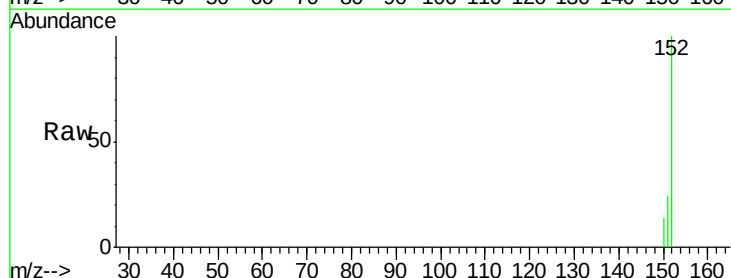
RT: 9.59 min Scan# 700

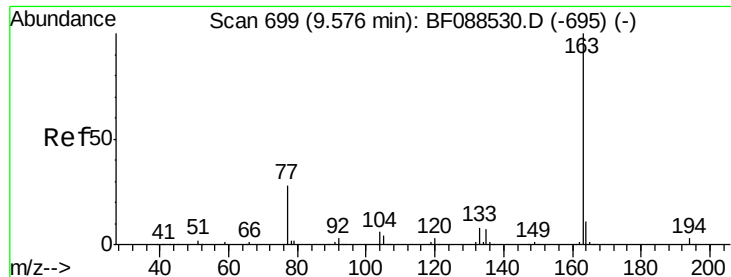
Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.8	16.2	24.4
153	0.0	11.0	16.6#





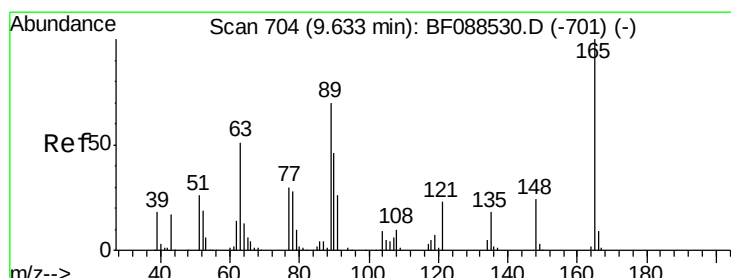
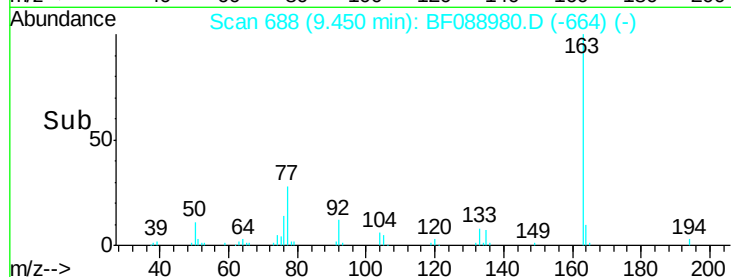
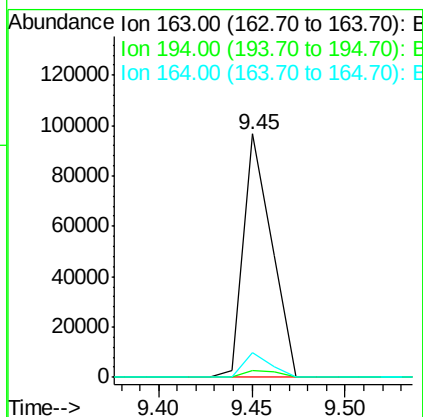
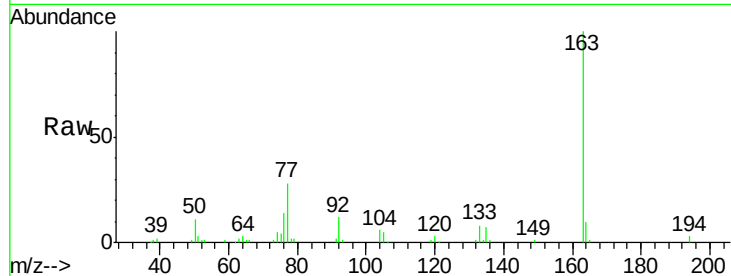
#49
Dimethylphthalate
Concen: 14.58 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.1	8.3	12.5

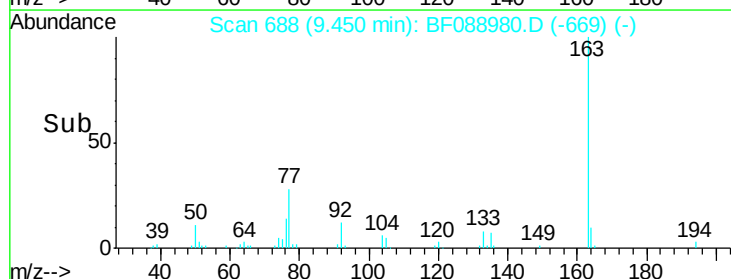
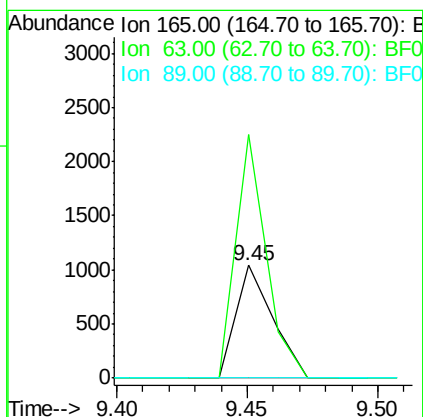
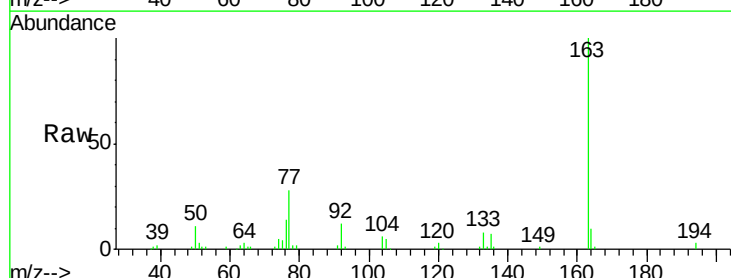
Manual Integrations

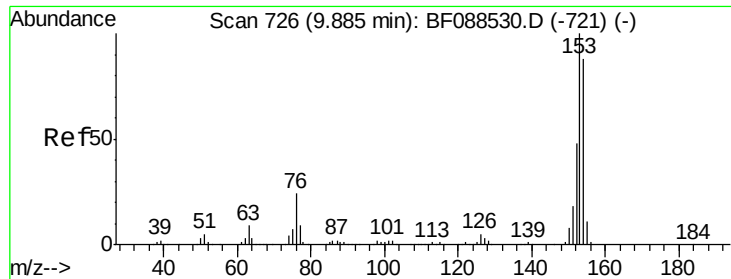
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#50
2,6-Dinitrotoluene
Concen: 0.66 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.08 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	216.3	28.1	42.1#
89	0.0	32.2	48.2#





#51

Acenaphthene

Concen: 0.21 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion:154 Resp: 1311

Ion Ratio Lower Upper

154 100

153 111.2 89.5 134.3

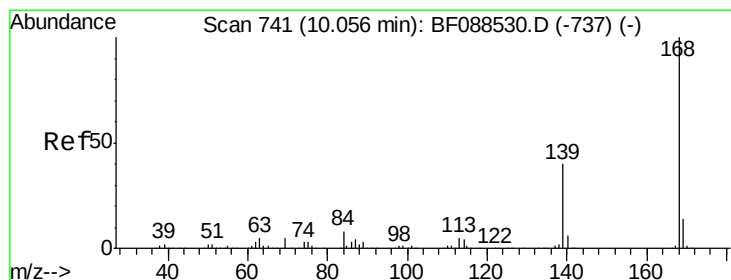
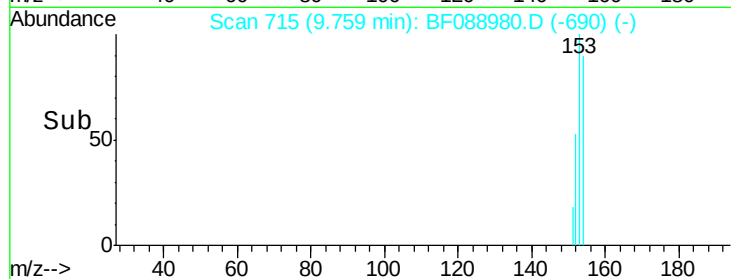
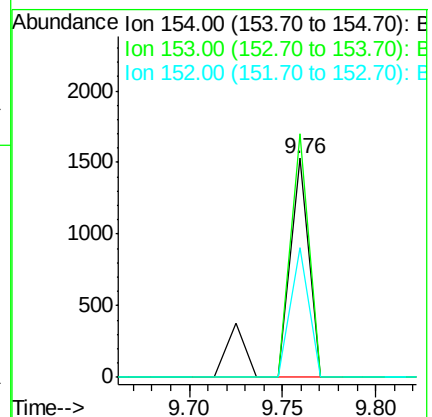
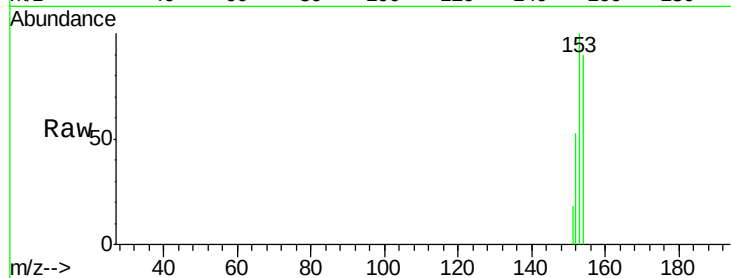
152 59.4 42.7 64.1

Manual Integrations

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#54

Dibenzofuran

Concen: 0.09 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

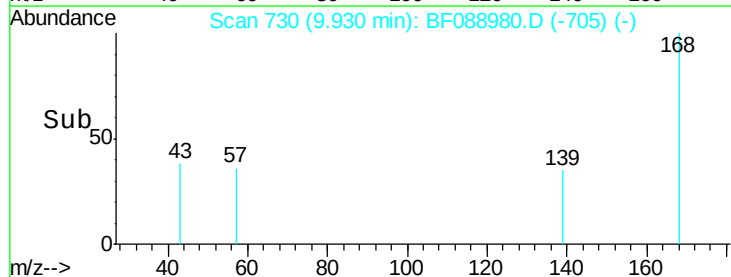
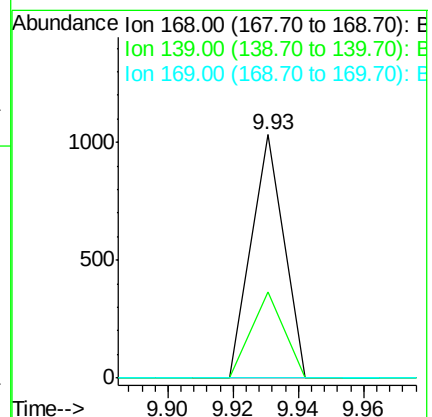
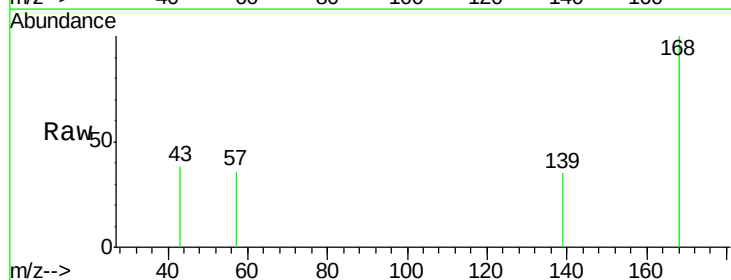
Tgt Ion:168 Resp: 708

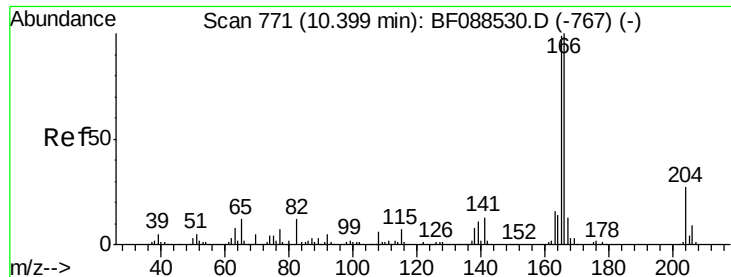
Ion Ratio Lower Upper

168 100

139 35.1 26.4 39.6

169 0.0 10.4 15.6#





#57

Fluorene

Concen: 0.13 ng

RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion:166 Resp: 841

Ion Ratio Lower Upper

166 100

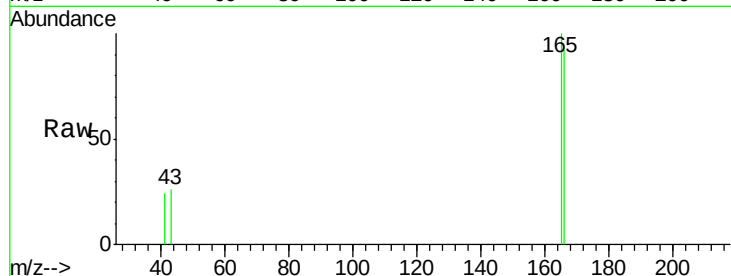
165 108.3 77.8 116.8

167 0.0 11.2 16.8#

Manual Integrations

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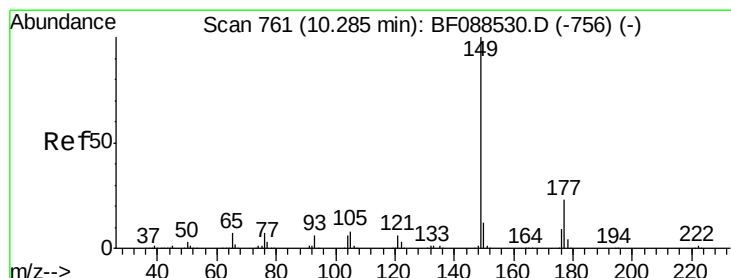
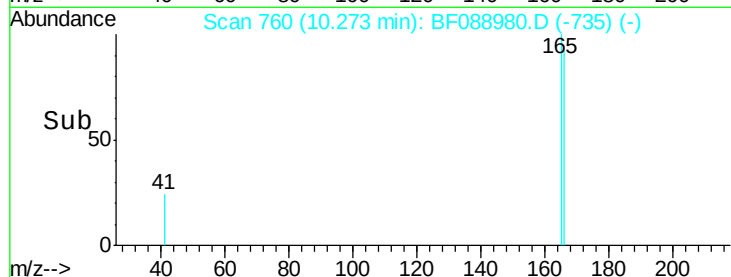
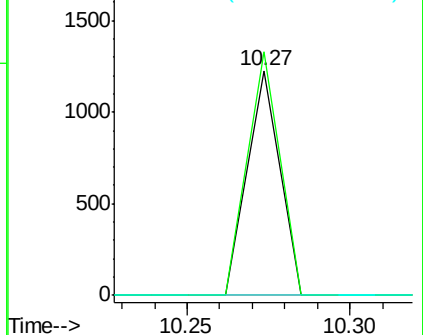
7/14/2016 4:20:00 AM



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



#59

Diethylphthalate

Concen: 0.03 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

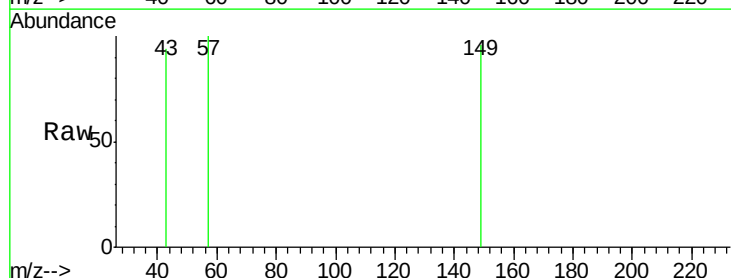
Tgt Ion:149 Resp: 232

Ion Ratio Lower Upper

149 100

177 0.0 16.9 25.3#

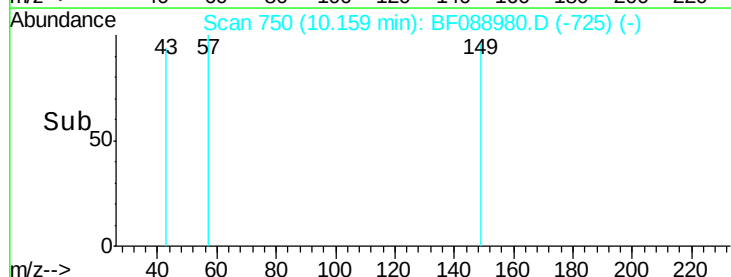
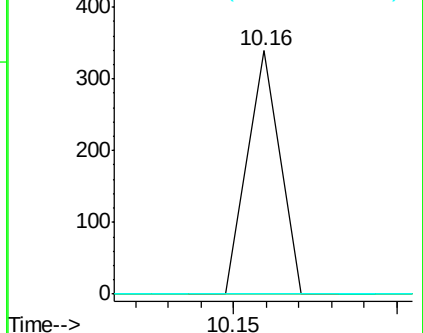
150 0.0 10.1 15.1#

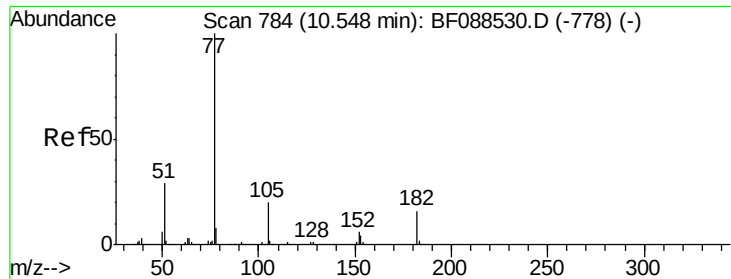


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.06 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.08 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

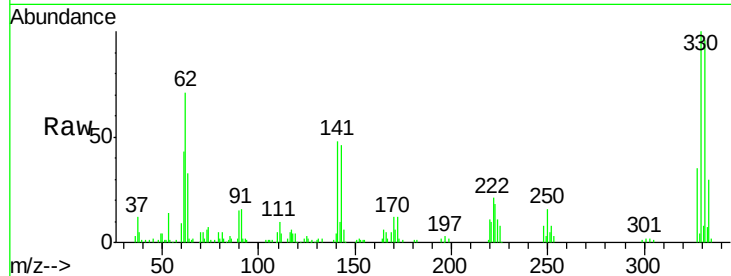
Tot Ion: 77 Resp: 502

Ion	Ratio	Lower	Upper
77	100		
182	82.0	4.4	44.4#
105	101.9	3.8	43.8#
51	72.4	9.3	49.3#

Manual Integrations

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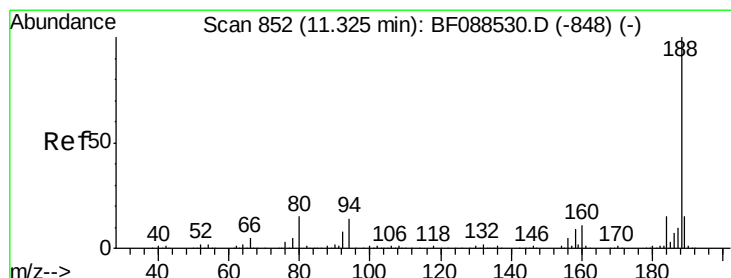
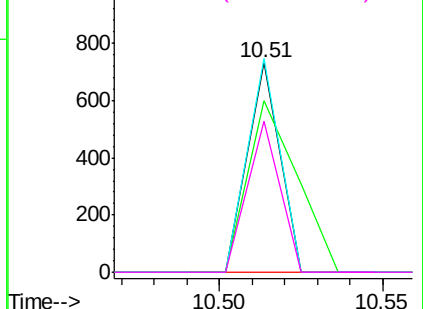
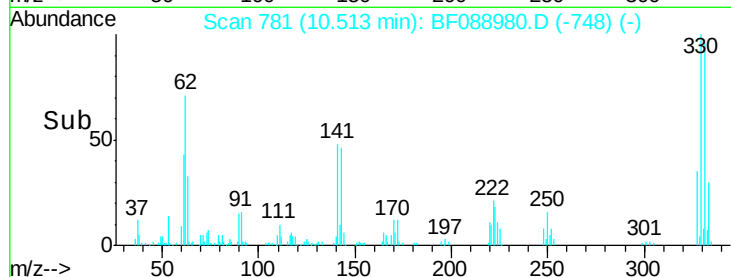


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

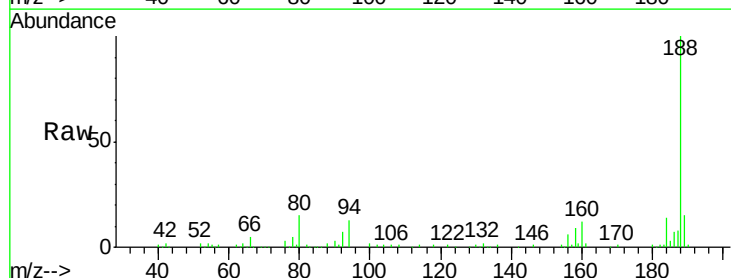
Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion: 188 Resp: 149593

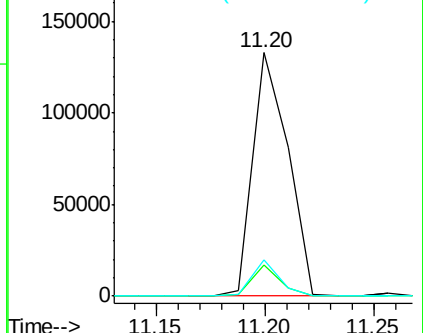
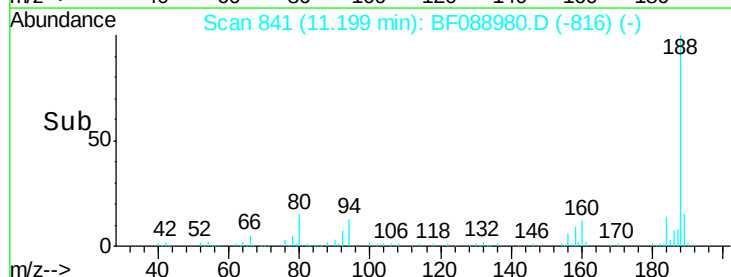
Ion	Ratio	Lower	Upper
188	100		
94	12.9	9.0	13.6
80	14.8	10.0	15.0

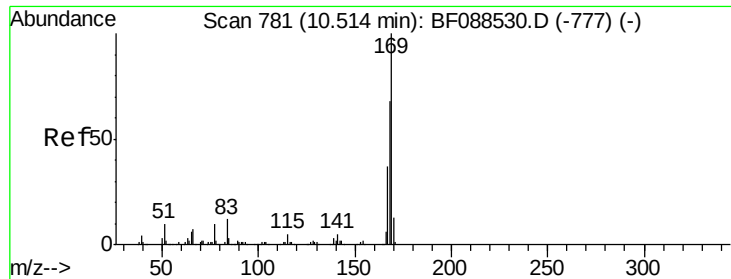


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.66 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.11 min

Lab File: BF088980.D

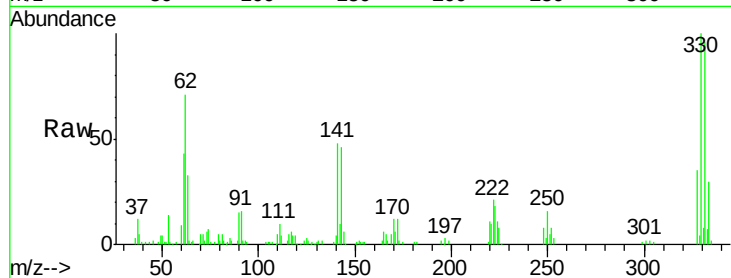
Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampled :

Q7-B1(0-5)C



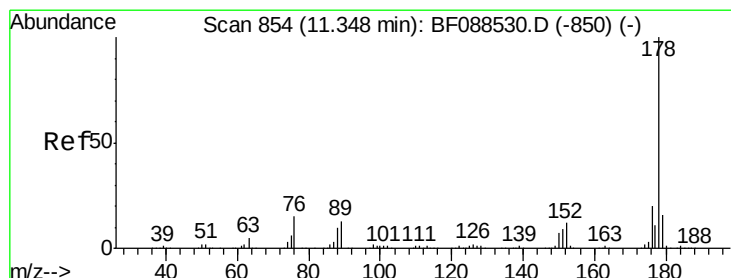
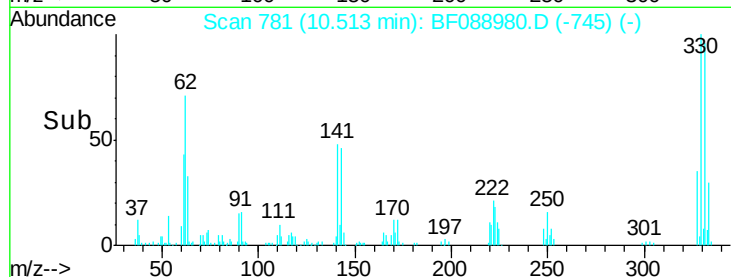
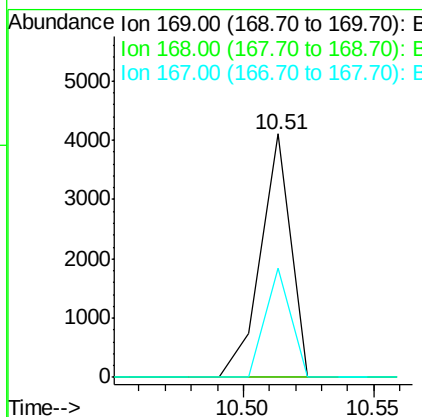
Tot Ion:	169	Resp:	3331
Ion Ratio	Lower	Upper	
169	100		
168	0.0	53.4	80.0#
167	45.1	29.4	44.0#

Manual Integrations

APPROVED

Sohil

7/14/2016 4:20:00 AM



#70

Phenanthrene

Concen: 2.50 ng

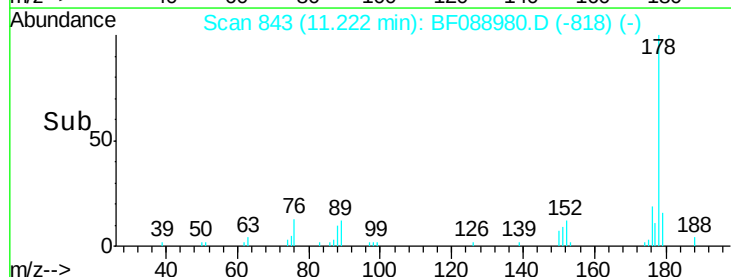
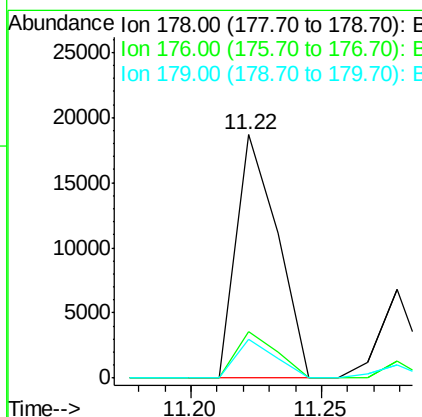
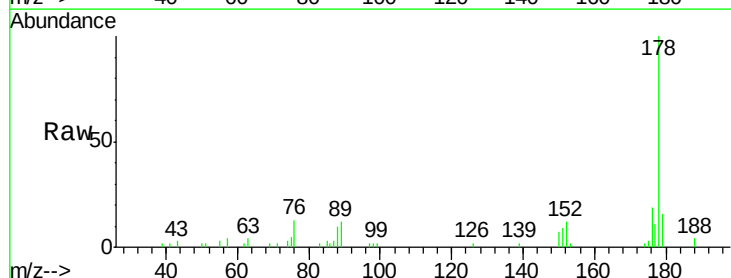
RT: 11.22 min Scan# 843

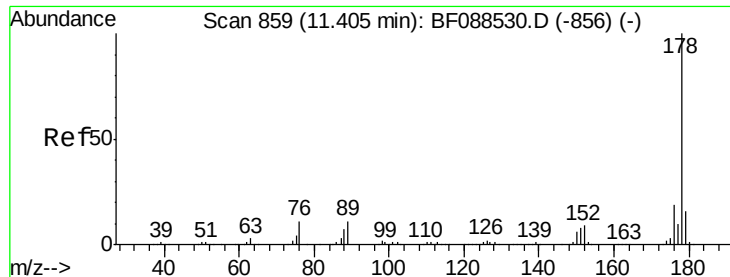
Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	178	Resp:	20460
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.6
179	15.9	13.0	19.4





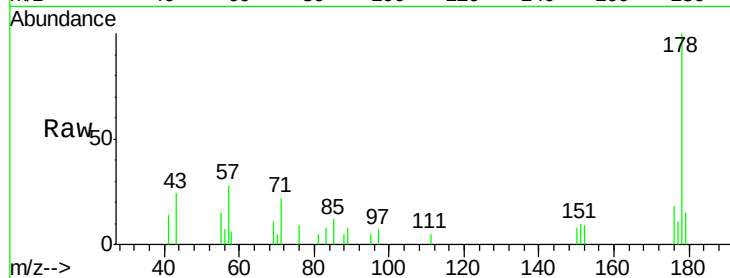
#71
 Anthracene
 Concen: 0.71 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	14.7	12.8	19.2

Manual Integrations

APPROVED
 Sohil
 7/14/2016 4:20:00 AM

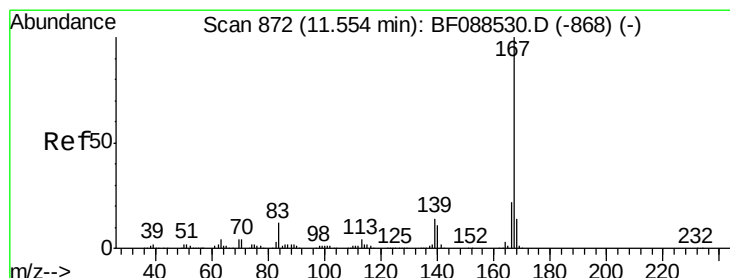
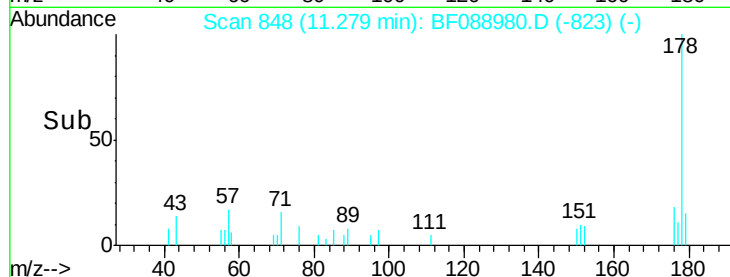
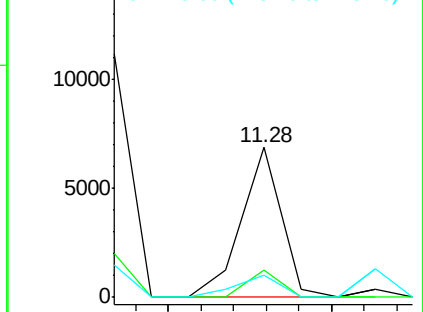


Abundance

Ion 178.00 (177.70 to 178.70): E

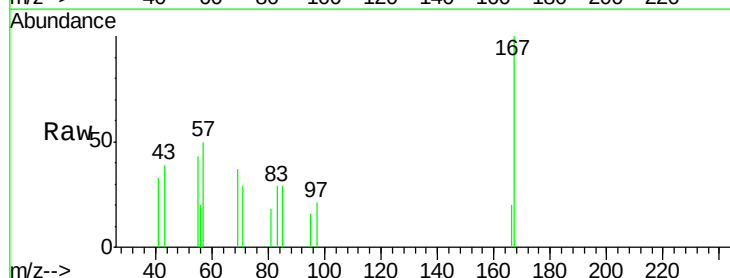
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 0.28 ng
 RT: 11.44 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.8	26.6
139	0.0	11.2	16.8#

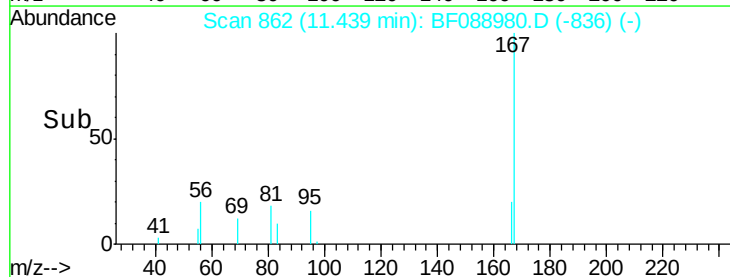
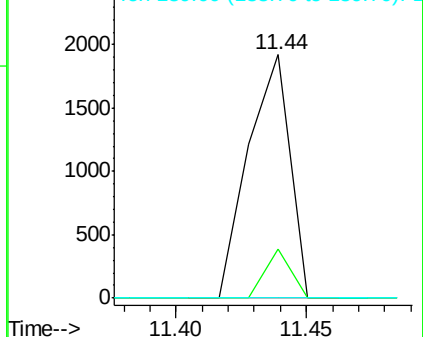


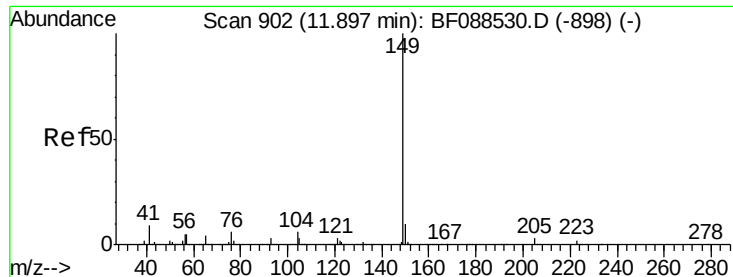
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.19 ng

RT: 11.78 min Scan# 892

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

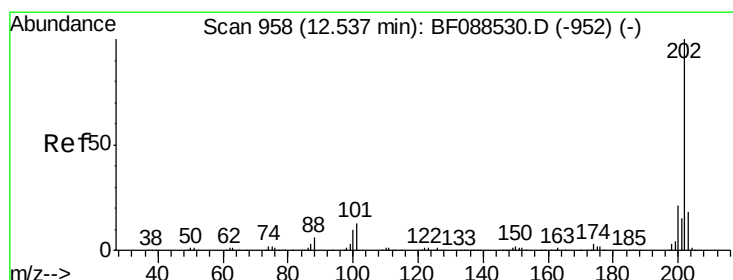
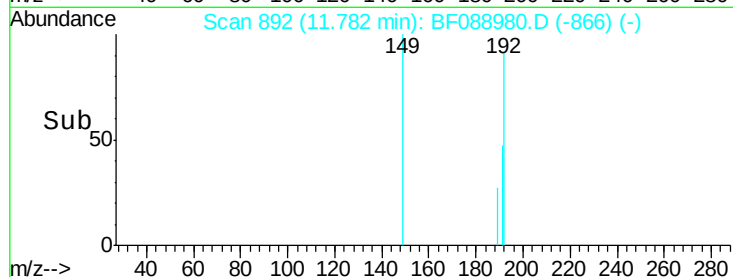
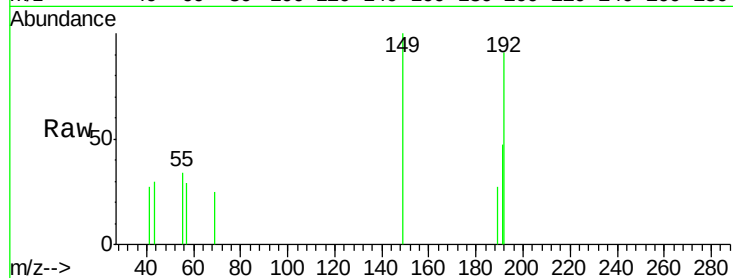
Q7-B1(0-5)C

Tot Ion:	149	Resp:	1650
Ion Ratio	Lower	Upper	
149	100		
150	0.0	7.8	11.6#
104	0.0	4.0	6.0#

Manual Integrations

Sohil

7/14/2016 4:20:00 AM



#74

Fluoranthene

Concen: 7.21 ng

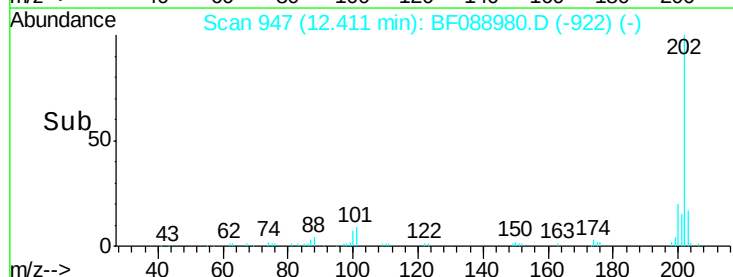
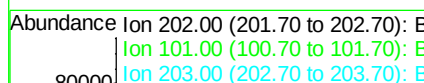
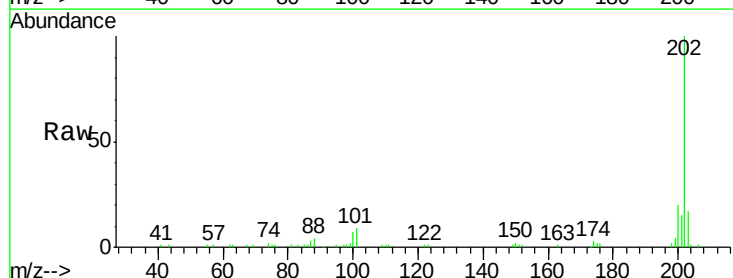
RT: 12.41 min Scan# 947

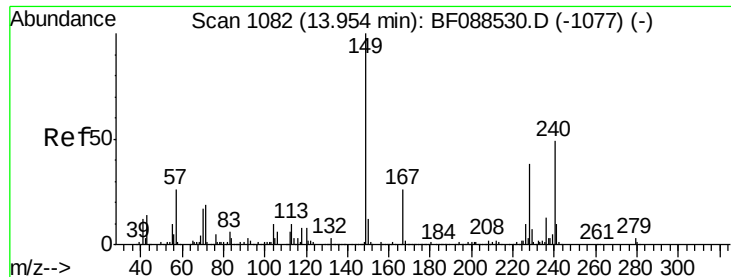
Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:	202	Resp:	59761
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	33.1
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion:240 Resp: 130822

Ion Ratio Lower Upper

240 100

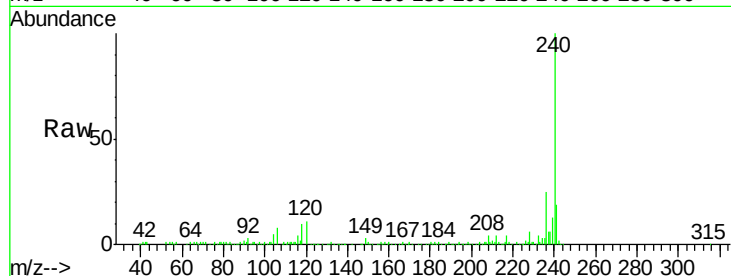
120 10.9 6.8 10.2#

236 25.4 20.2 30.2

Manual Integrations

Sohil

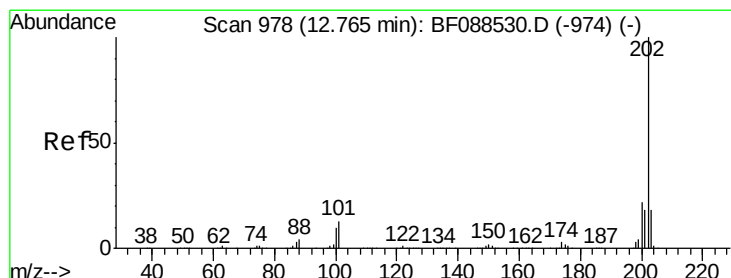
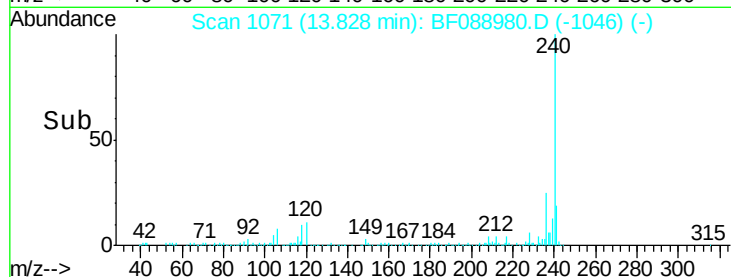
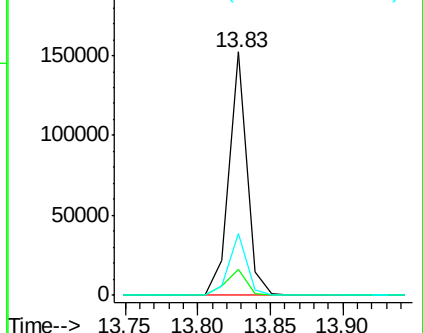
7/14/2016 4:20:00 AM



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



#77

Pyrene

Concen: 4.27 ng m

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

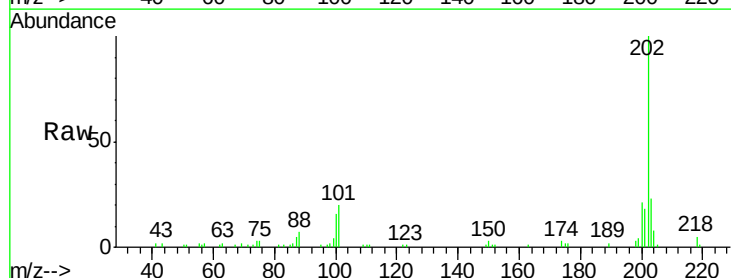
Tgt Ion:202 Resp: 47373

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

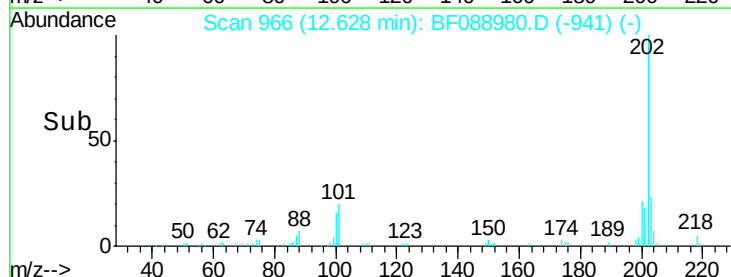
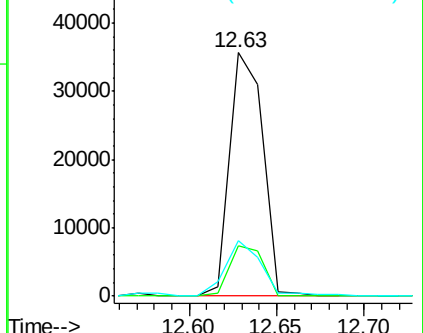
203 23.0 14.5 21.7#

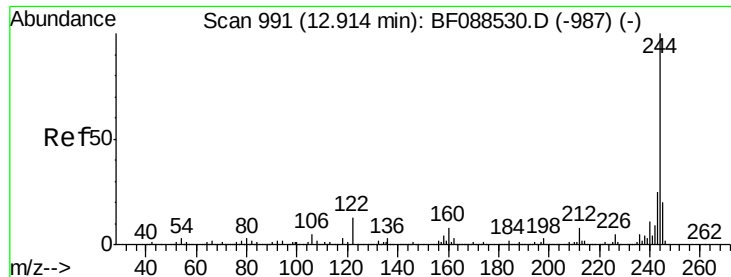


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





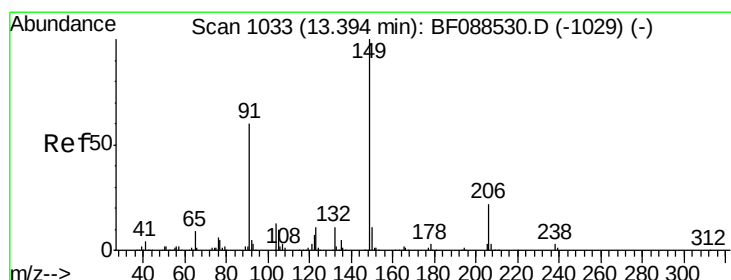
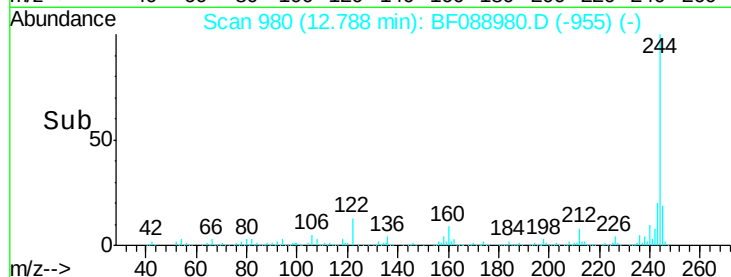
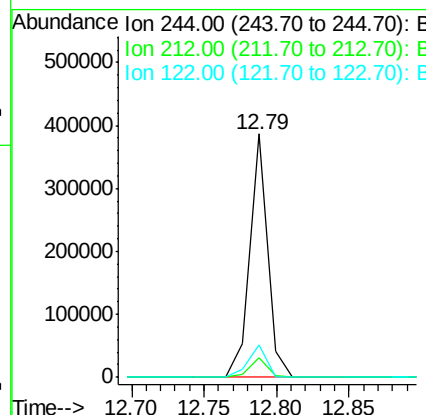
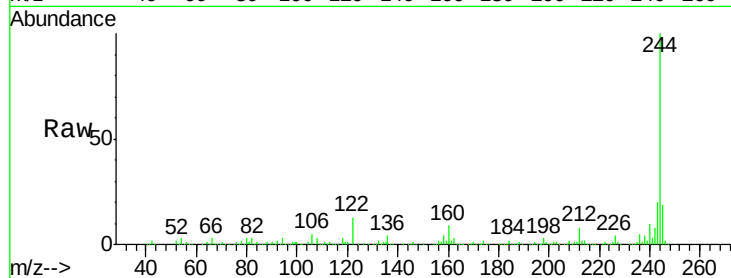
#78
 Terphenyl-d14
 Concen: 56.33 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.5	11.2	16.8

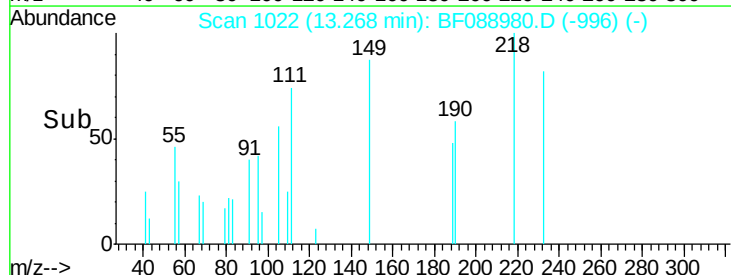
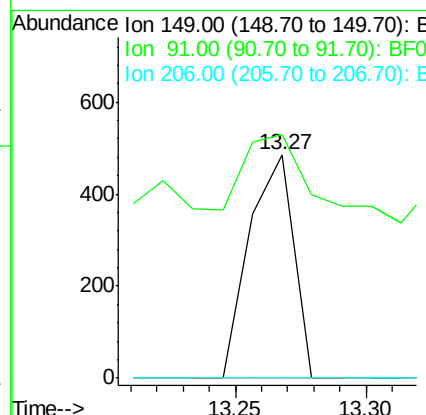
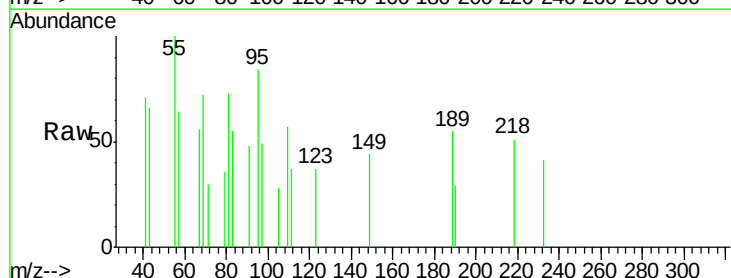
Manual Integrations

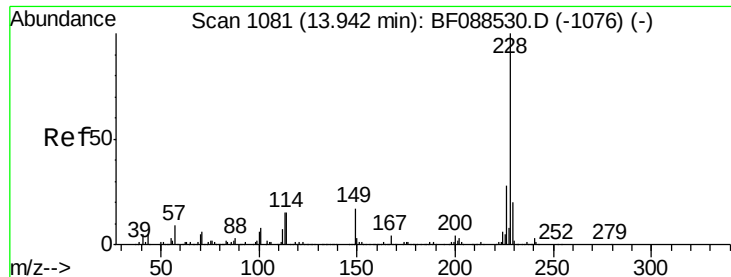
APPROVED
 Sohil
 7/14/2016 4:20:00 AM



#79
 Butylbenzylphthalate
 Concen: 0.12 ng
 RT: 13.27 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
149	100		
91	108.8	48.0	72.0#
206	0.0	16.0	24.0#





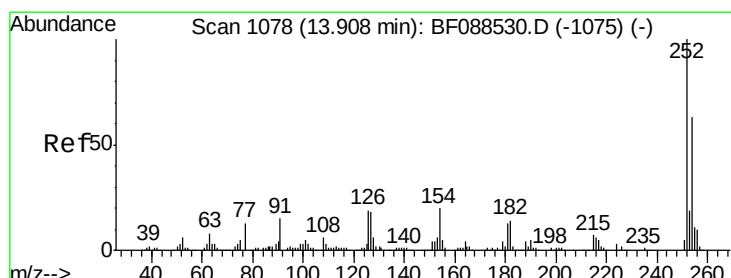
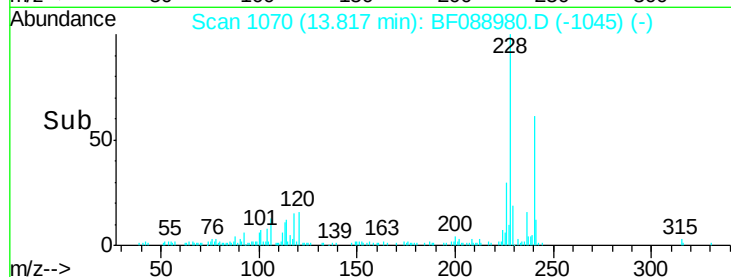
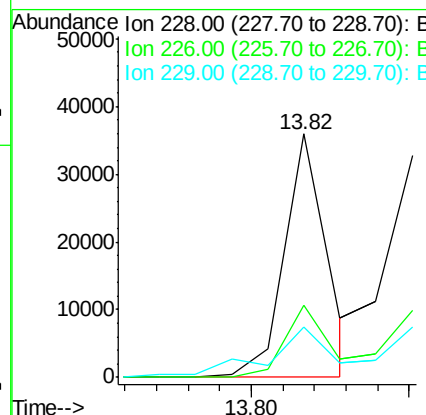
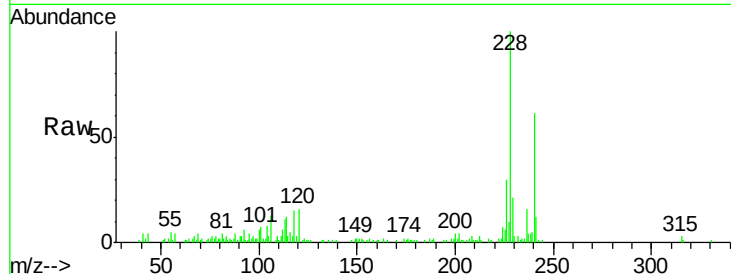
#80
Benzo(a)anthracene
Concen: 4.03 ng m
RT: 13.82 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	20.7	16.0	24.0

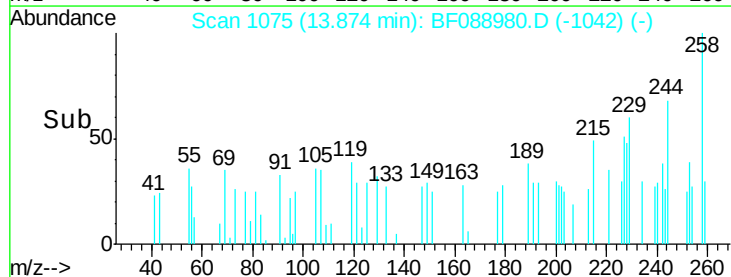
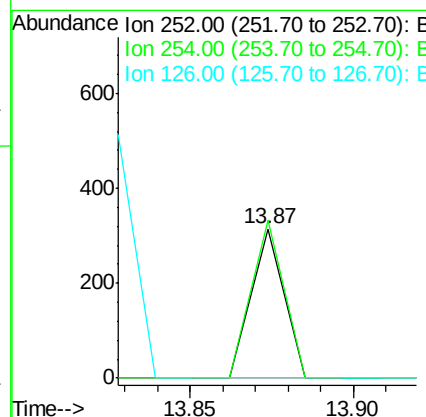
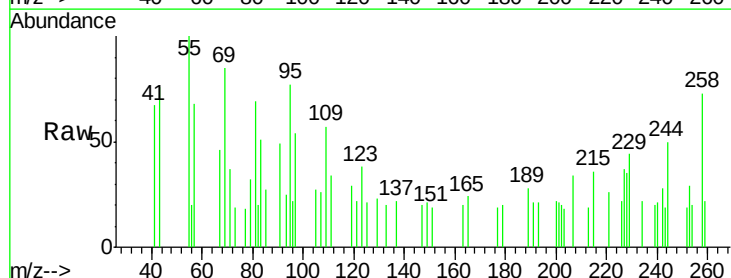
Manual Integrations

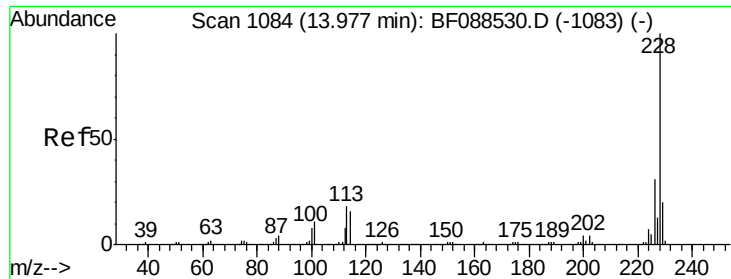
APPROVED
Sohil
7/14/2016 4:20:00 AM



#81
3,3'-Dichlorobenzidine
Concen: 0.07 ng
RT: 13.87 min Scan# 1075
Delta R.T. 0.08 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
252	100		
254	106.1	52.6	78.8#
126	0.0	6.2	9.2#





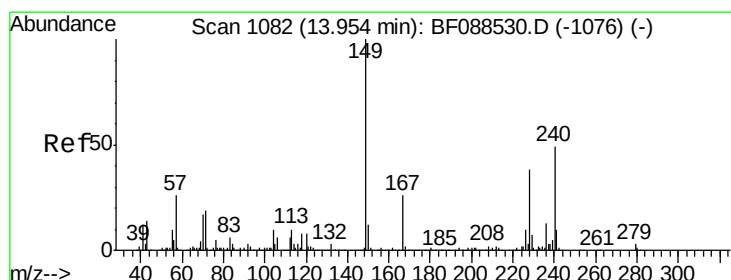
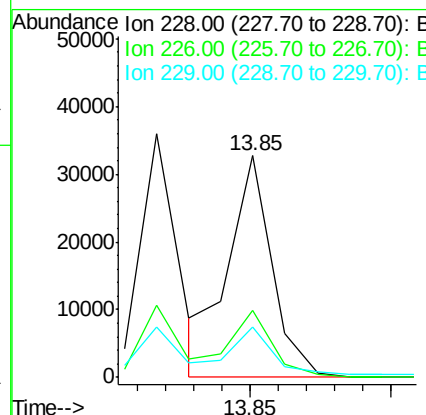
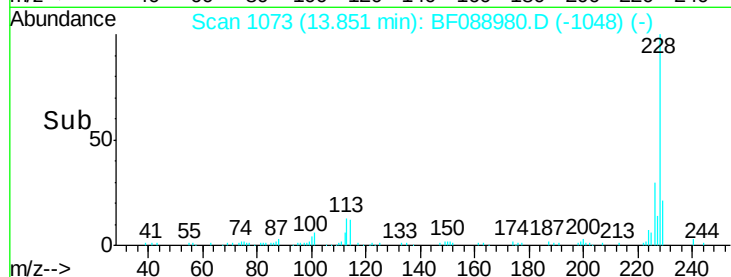
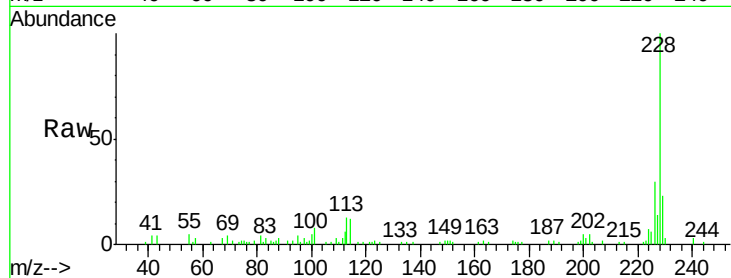
#82
Chrysene
Concen: 4.19 ng/mL
RT: 13.85 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampled :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	22.7	16.3	24.5

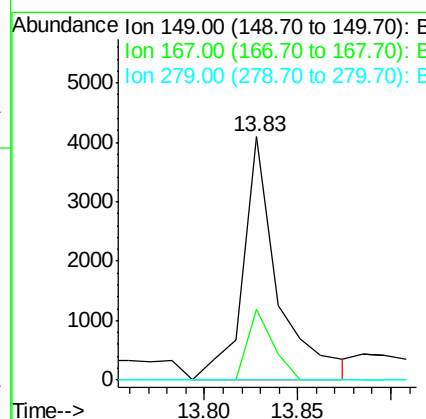
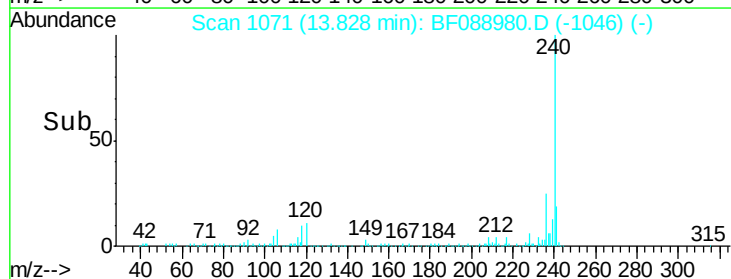
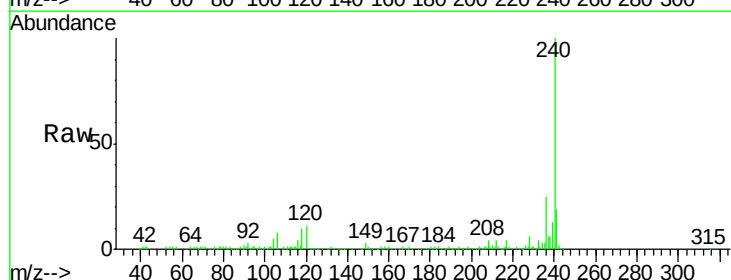
Manual Integrations

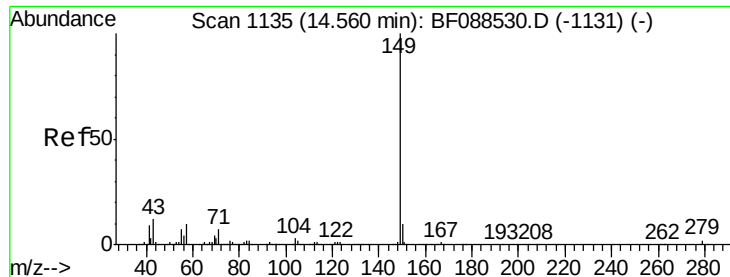
APPROVED
Sohil
7/14/2016 4:20:00 AM



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.95 ng/mL
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	20.5	30.7
279	0.0	2.0	3.0#





#84

Di-n-octyl phthalate

Concen: 0.25 ng

RT: 14.41 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampled :

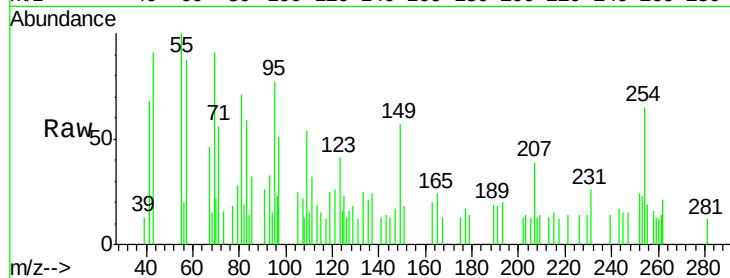
Q7-B1(0-5)C

Tot Ion:	149	Resp:	2392
Ion Ratio	Lower	Upper	
149	100		
167	0.0	0.0	0.0
43	0.0	0.0	0.0

Manual Integrations

Sohil

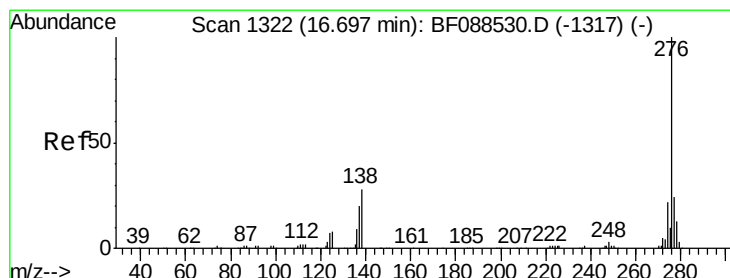
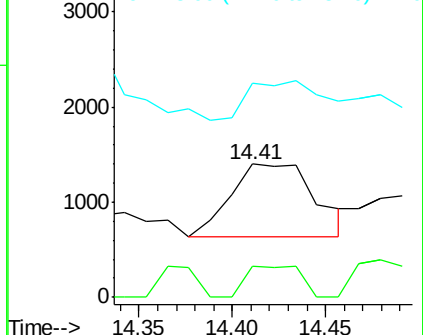
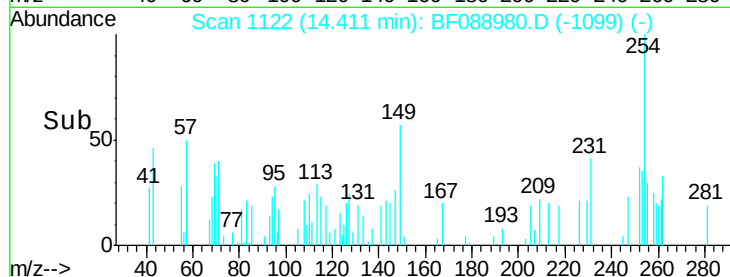
7/14/2016 4:20:00 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.12 ng

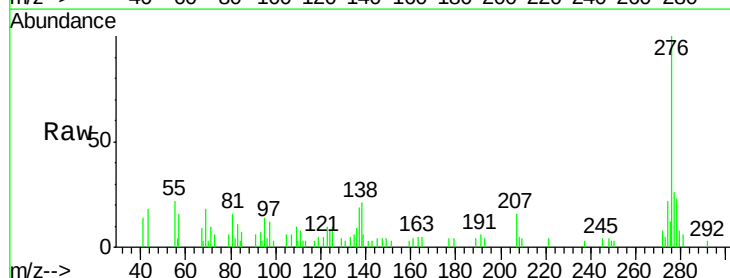
RT: 16.48 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

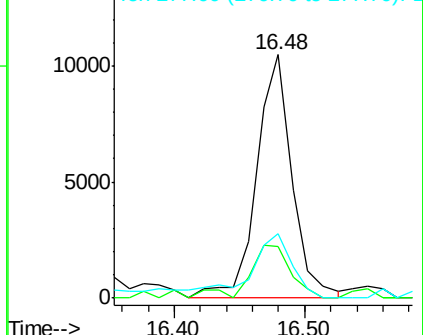
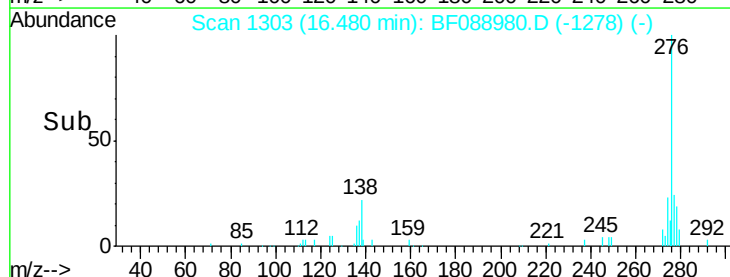
Tgt Ion:	276	Resp:	19982
Ion Ratio	Lower	Upper	
276	100		
138	26.5	0.0	0.0#
277	31.2	0.0	0.0#

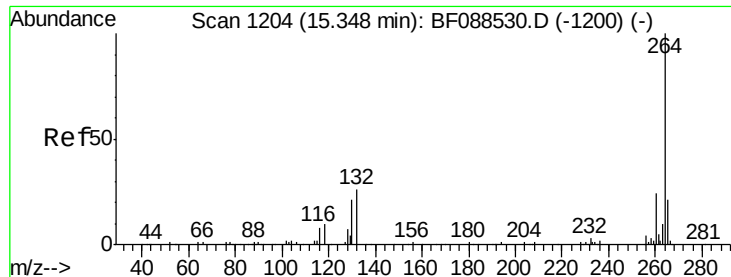


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





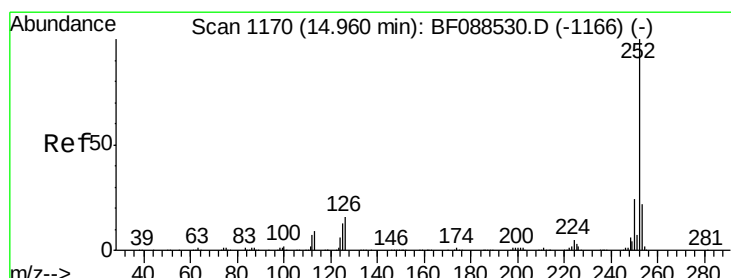
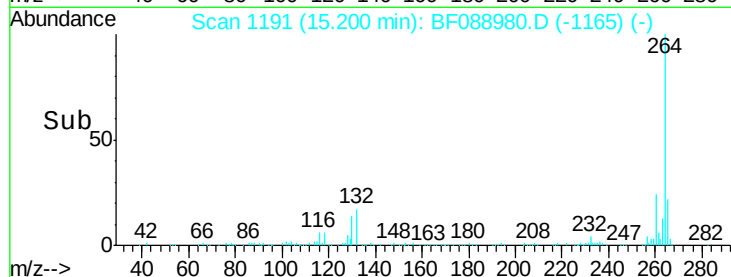
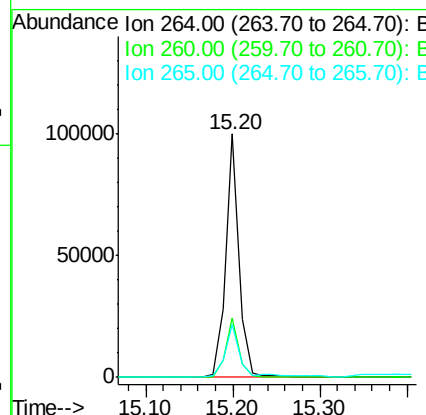
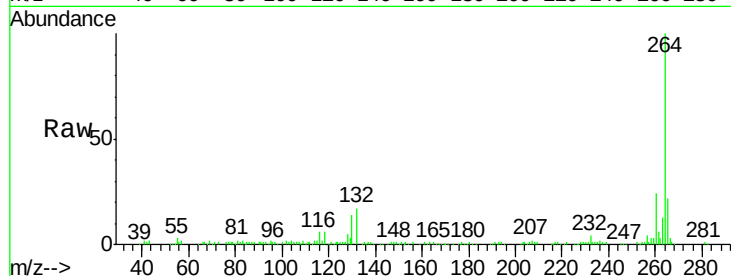
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampled :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	16.9	25.3

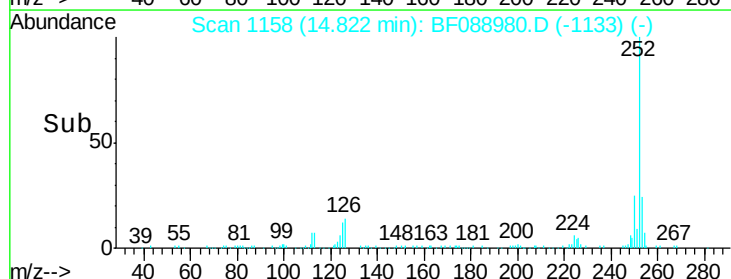
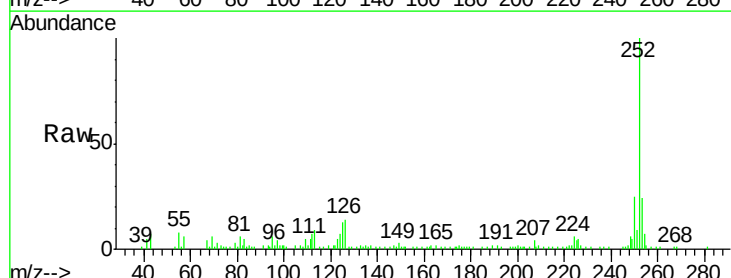
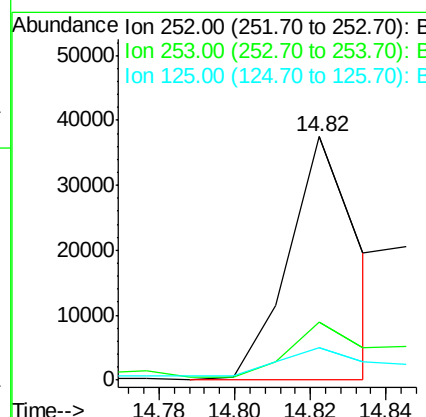
Manual Integrations

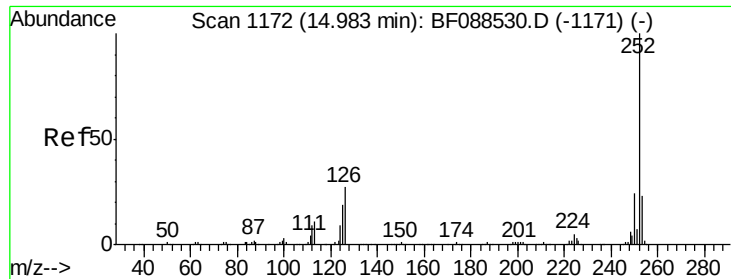
APPROVED
Sohil
7/14/2016 4:20:00 AM



#87
Benzo(b)fluoranthene
Concen: 6.96 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	13.4	7.1	10.7#





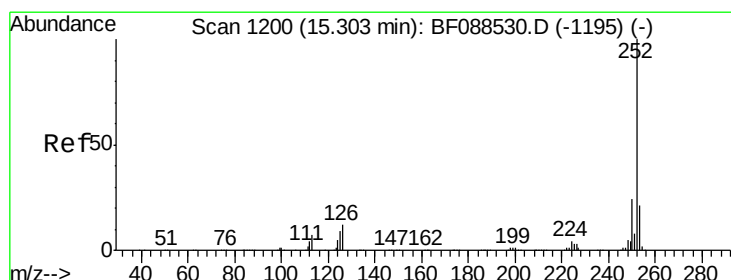
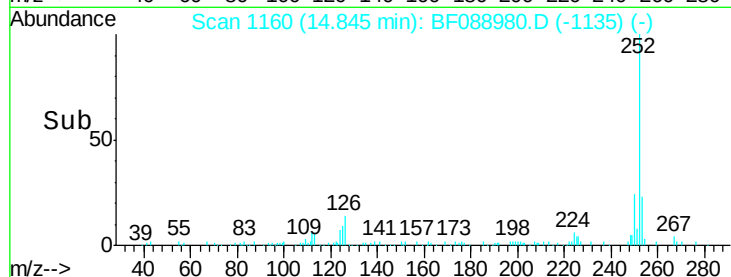
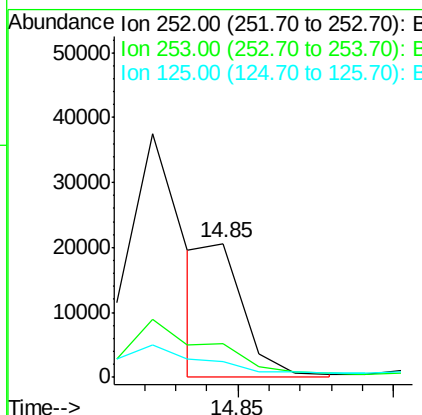
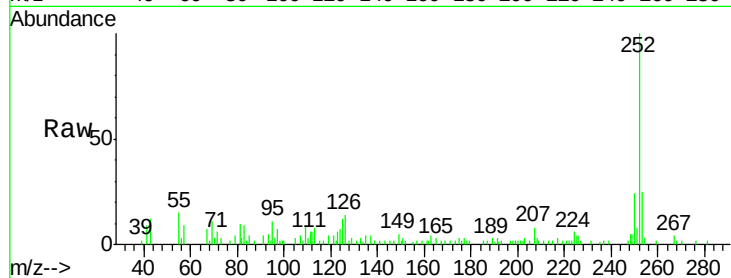
#88
Benzo(k)fluoranthene
Concen: 2.94 ng m
RT: 14.85 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	11.8	11.2	16.8

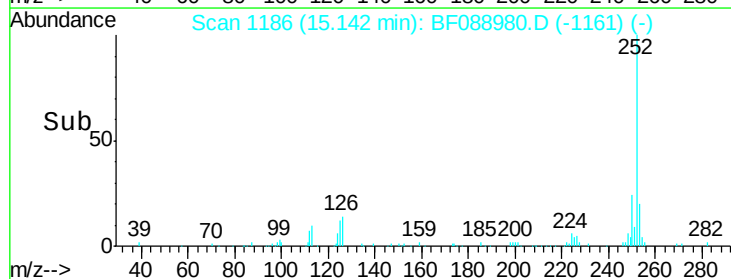
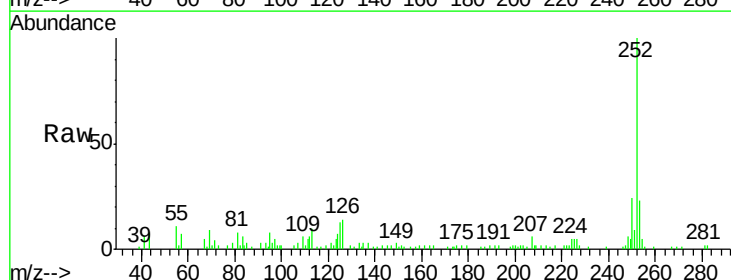
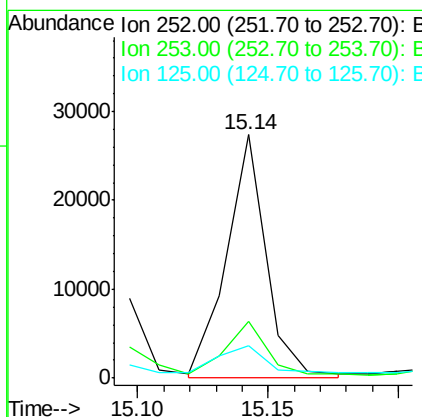
Manual Integrations

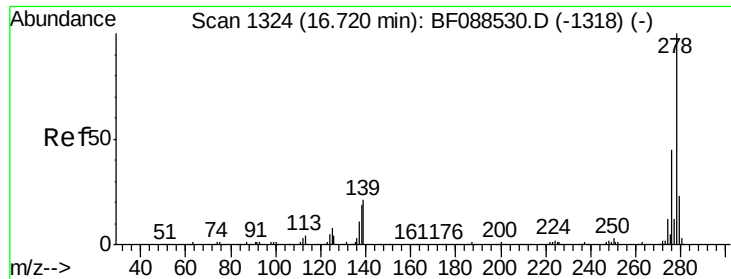
APPROVED
Sohil
7/14/2016 4:20:00 AM



#89
Benzo(a)pyrene
Concen: 5.11 ng
RT: 15.14 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.3	12.5	18.7





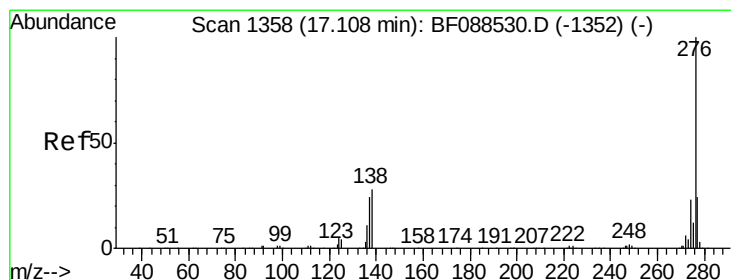
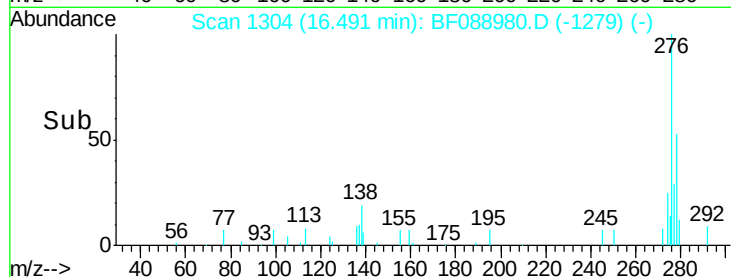
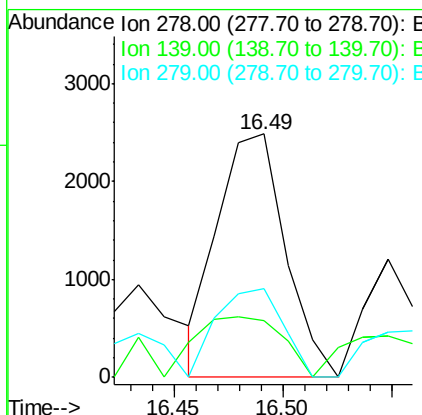
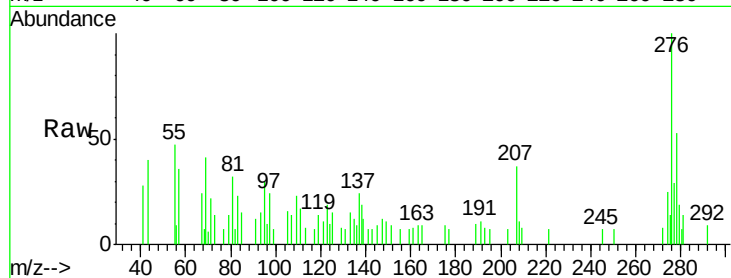
#90
Dibenzo(a,h)anthracene
Concen: 1.12 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tot Ion:278 Resp: 5389
Ion Ratio Lower Upper
278 100
139 23.3 15.7 23.5
279 36.2 19.4 29.2#

Manual Integrations

APPROVED
Sohil
7/14/2016 4:20:00 AM



#91
Benzo(g,h,i)perylene
Concen: 3.54 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion:276 Resp: 17578
Ion Ratio Lower Upper
276 100
277 25.9 18.9 28.3
138 24.6 21.4 32.2

