

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086431.D
 Acq On : 27 Apr 2016 18:37
 Operator : UM/SJ
 Sample : H2660-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10

Manual Integrations
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Quant Time: Apr 28 13:03:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	113378	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	464906	20.00	ng	0.02
38) Acenaphthene-d10	9.85	164	204521	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	333415	20.00	ng	0.00
75) Chrysene-d12	13.95	240	246738	20.00	ng	-0.01
86) Perylene-d12	15.36	264	257906	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	818469	124.52	ng	0.01
7) Phenol-d6	6.46	99	982675	107.12	ng	0.02
23) Nitrobenzene-d5	7.62	82	173861m	20.16	ng	0.24
41) 2,4,6-Tribromophenol	10.64	330	218188	101.16	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	848280	69.62	ng	0.00
78) Terphenyl-d14	12.91	244	490441	43.79	ng	0.00

Target Compounds						Qvalue
6) Aniline	6.50	93	5772282	519.96	ng	95
24) Nitrobenzene	7.66	77	40211352m	4532.15	ng	
31) Naphthalene	8.14	128	633268	26.77	ng	100
37) 2-Methylnaphthalene	8.81	142	56877	4.07	ng	96
45) 1,1'-Biphenyl	9.26	154	119479	6.99	ng	95
47) 2-Nitroaniline	9.39	65	41682	10.00	ng	91
49) Dimethylphthalate	9.56	163	142783	9.27	ng	99
51) Acenaphthene	9.87	154	70699	5.42	ng	97
52) 3-Nitroaniline	9.80	138	115640	31.97	ng	97
54) Dibenzofuran	10.04	168	74868	4.59	ng	90
55) 4-Nitrophenol	9.96	139	31418	13.26	ng	# 72
57) Fluorene	10.38	166	73042	5.16	ng	98
61) 4-Nitroaniline	10.43	138	8096	2.29	ng	# 69
62) Azobenzene	10.54	77	67910	4.25	ng	83
65) n-Nitrosodiphenylamine	10.51	169	1606848	154.20	ng	99
70) Phenanthrene	11.34	178	230299	13.16	ng	99
71) Anthracene	11.40	178	62610	3.35	ng	99
72) Carbazole	11.55	167	189866	11.47	ng	98
74) Fluoranthene	12.53	202	96142	5.44	ng	94
77) Pvrene	12.76	202	57160	3.21	ng	98

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

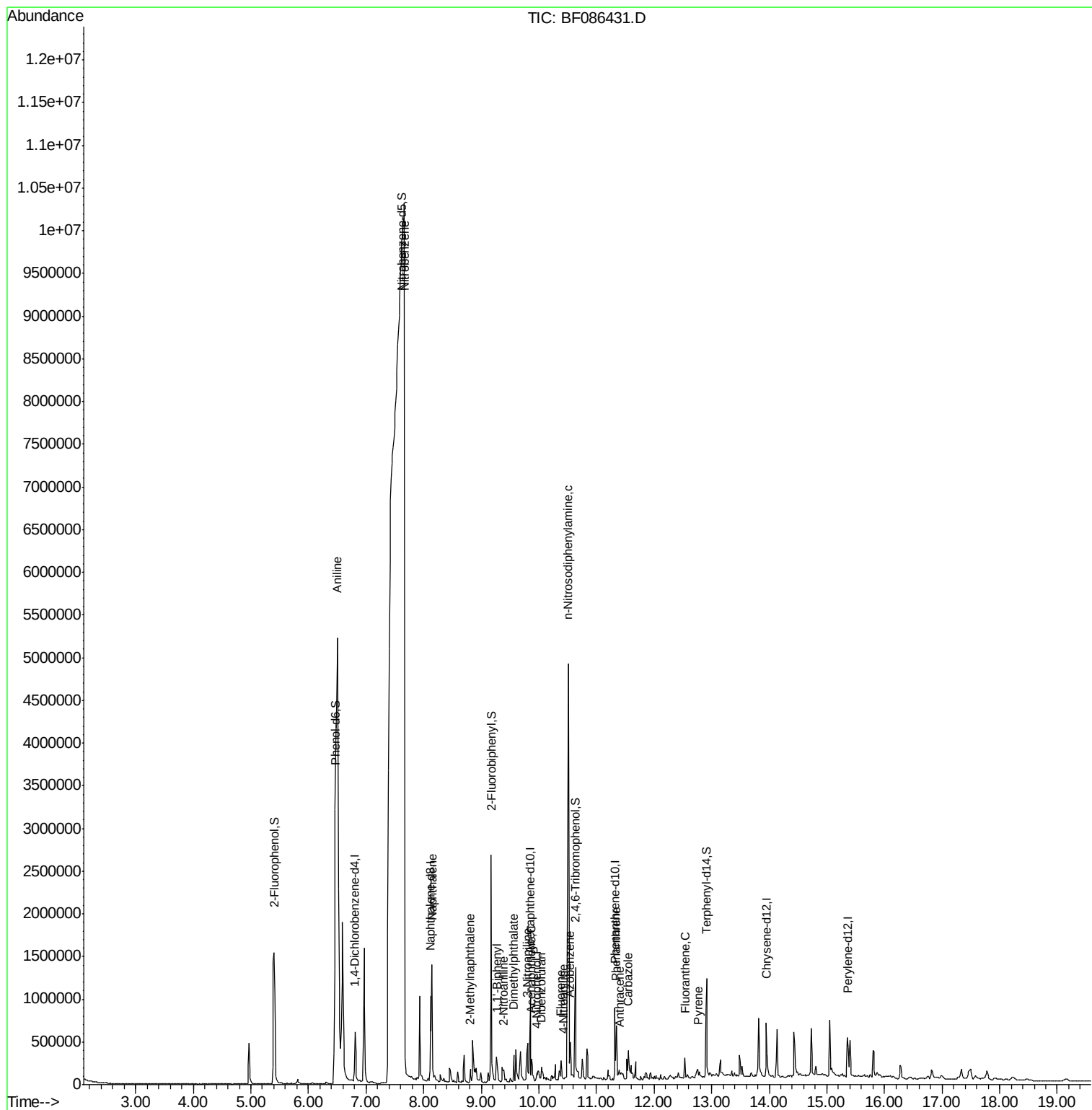
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
Data File : BF086431.D
Acq On : 27 Apr 2016 18:37
Operator : UM/SJ
Sample : H2660-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

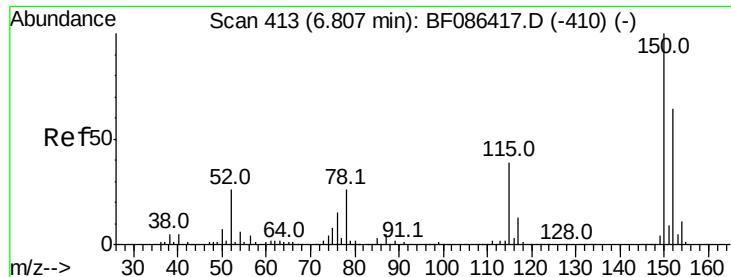
Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

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Quant Time: Apr 28 13:03:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

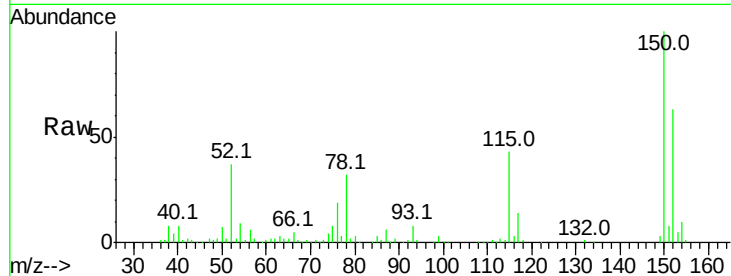
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.8	188.6
115	68.6	51.5	77.3

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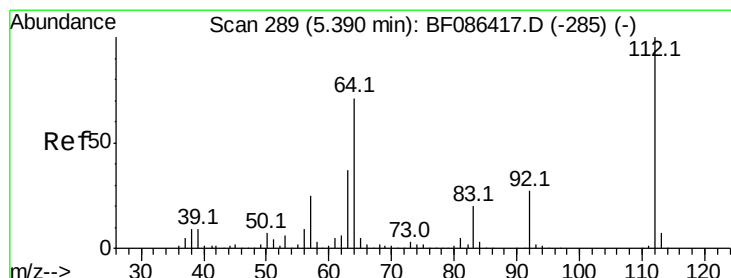
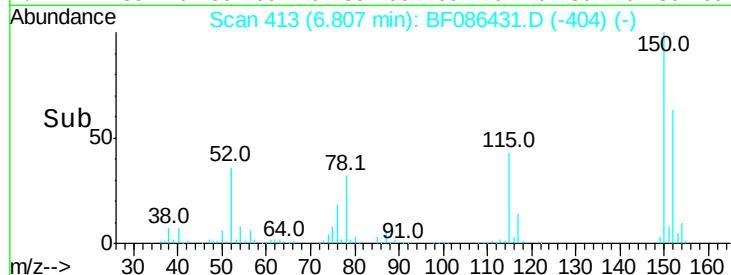
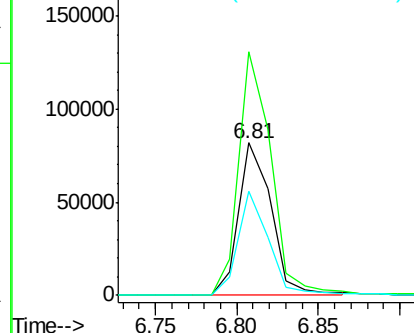


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

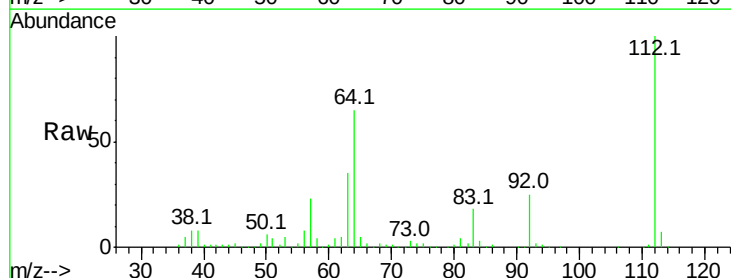
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.52 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	52.1	78.1
63	34.6	25.7	38.5

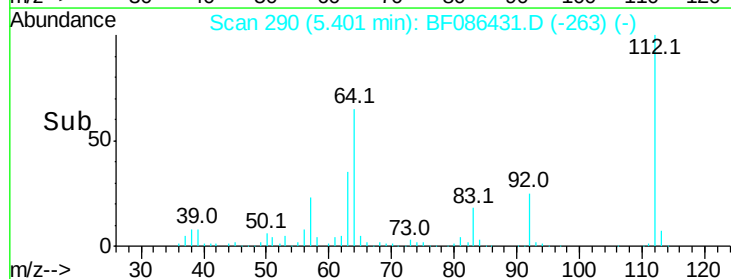
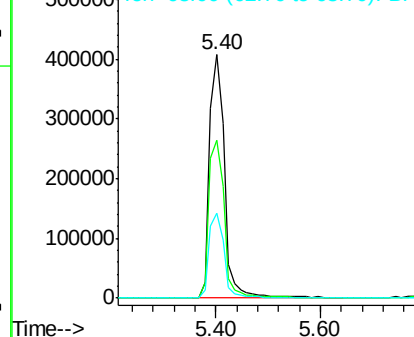


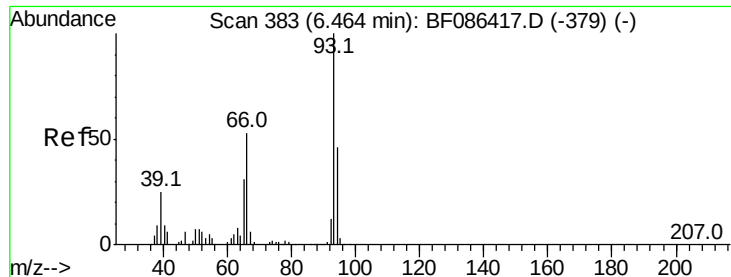
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 519.96 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.03 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

Tot Ion: 93 Resp: 5772282

Ion Ratio Lower Upper

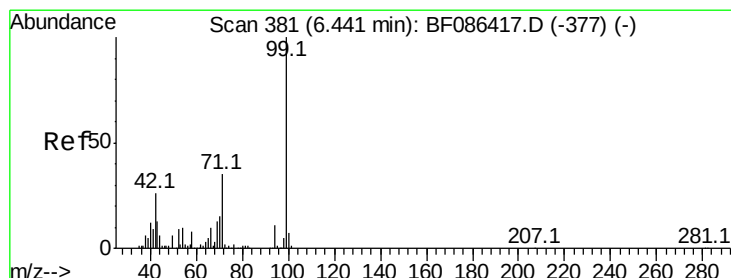
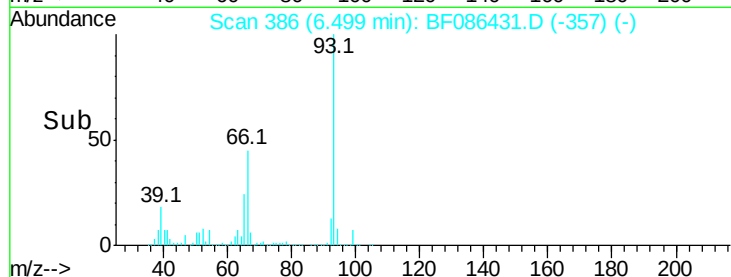
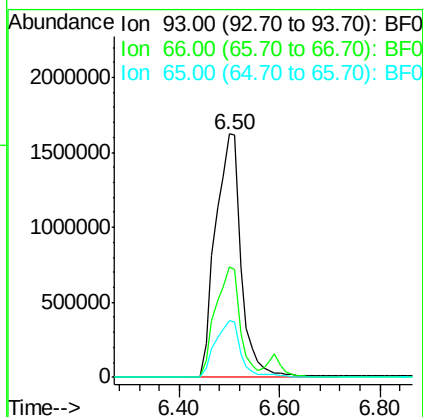
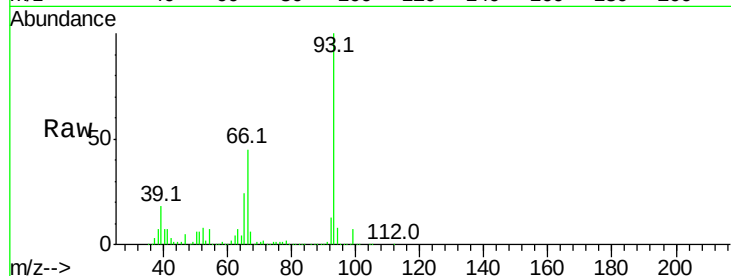
93 100

66 45.5 39.0 58.6

65 23.5 20.6 31.0

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#7

Phenol-d6

Concen: 107.12 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.02 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

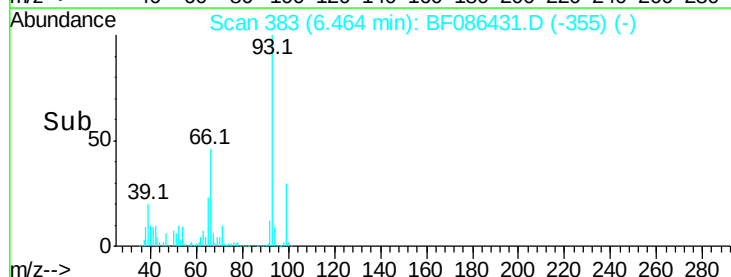
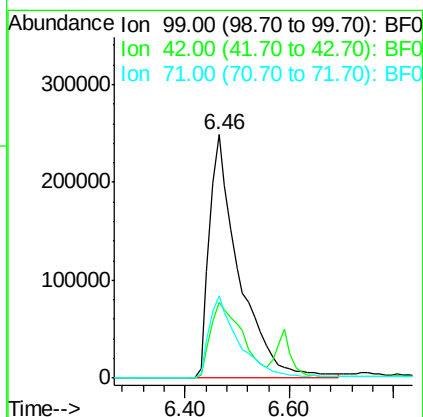
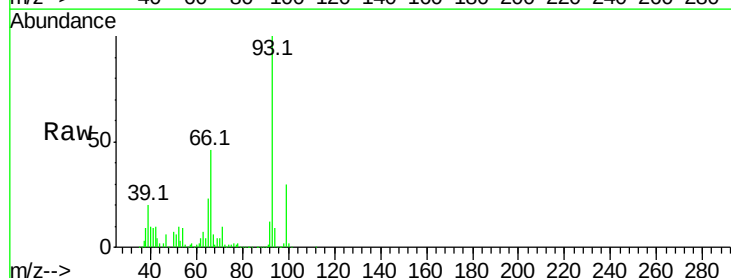
Tgt Ion: 99 Resp: 982675

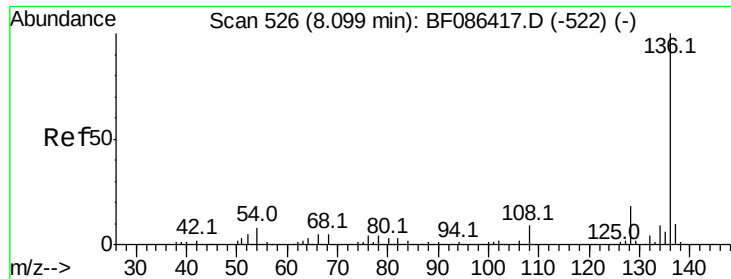
Ion Ratio Lower Upper

99 100

42 31.3 13.6 20.4#

71 33.9 24.6 36.8





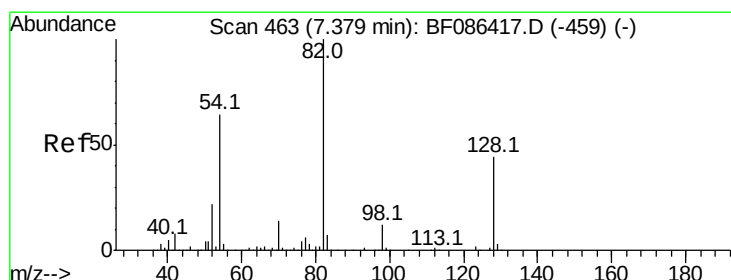
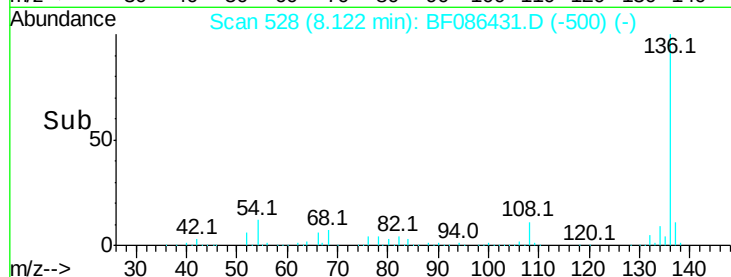
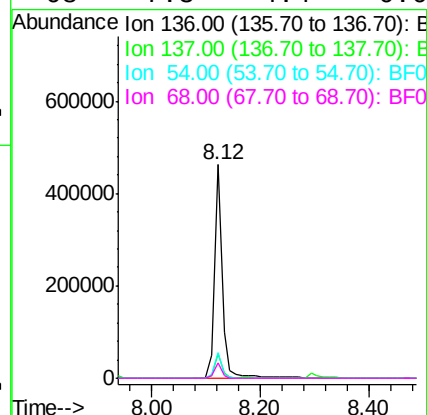
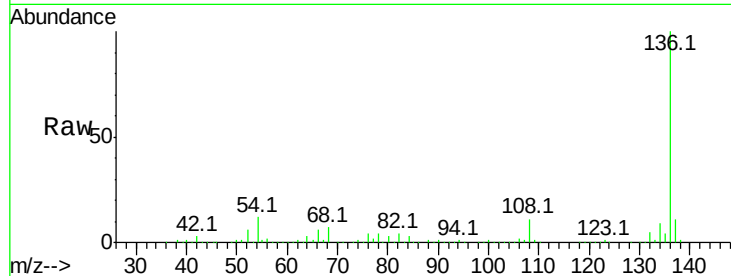
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.02 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.8	13.2	
54	11.8	5.0	7.4#	
68	7.3	4.4	6.6#	

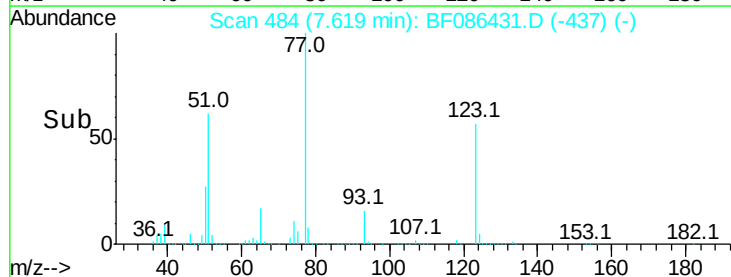
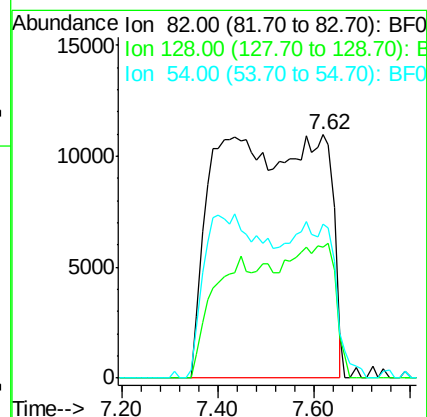
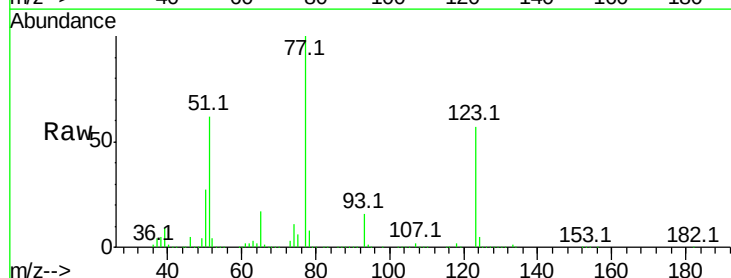
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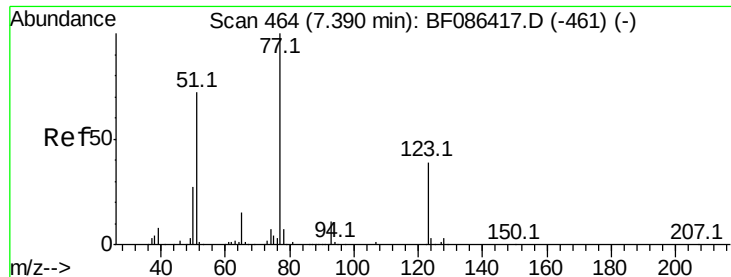
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#23
Nitrobenzene-d5
Concen: 20.16 ng m
RT: 7.62 min Scan# 484
Delta R.T. 0.24 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	53.9	40.6	61.0	
54	63.1	38.1	57.1#	





#24

Nitrobenzene

Concen: 4532.15 ng/mL

RT: 7.66 min Scan# 488

Delta R.T. 0.27 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10

Tot Ion: 77 Resp: 40211352

Ion Ratio Lower Upper

77 100

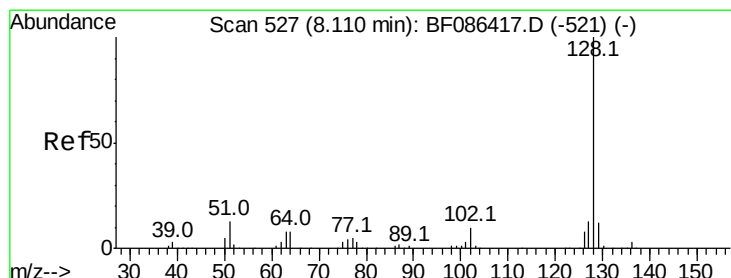
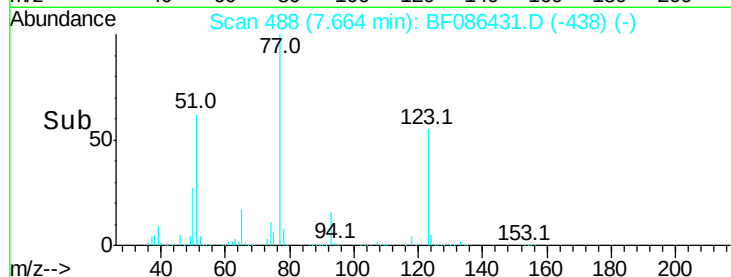
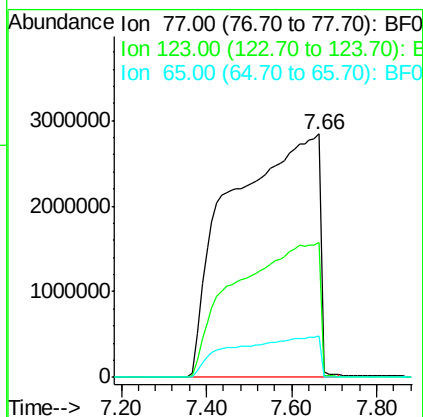
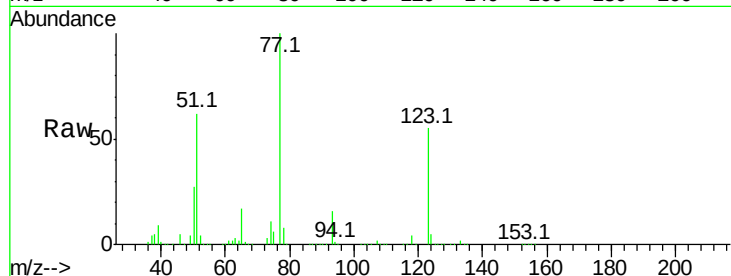
123 55.2 33.0 49.4#

65 16.7 10.8 16.2#

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#31

Naphthalene

Concen: 26.77 ng/mL

RT: 8.14 min Scan# 530

Delta R.T. 0.03 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

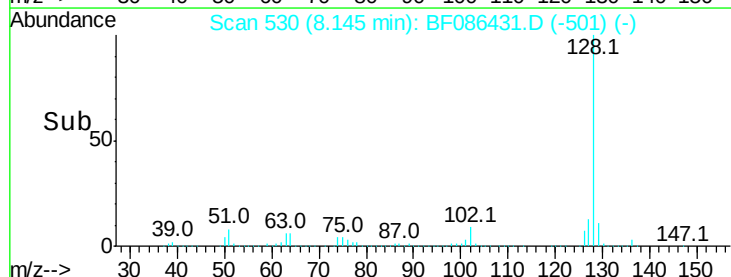
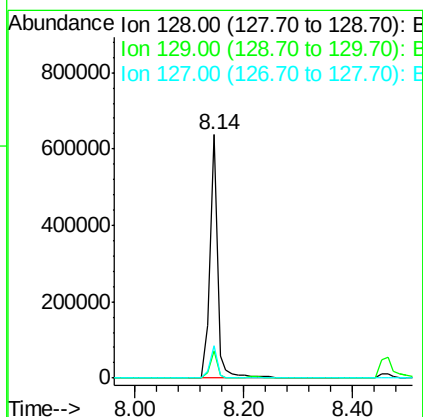
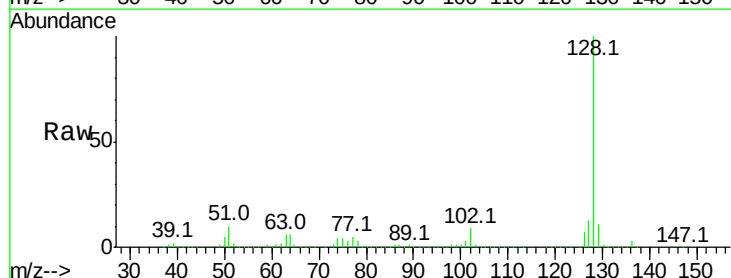
Tgt Ion: 128 Resp: 633268

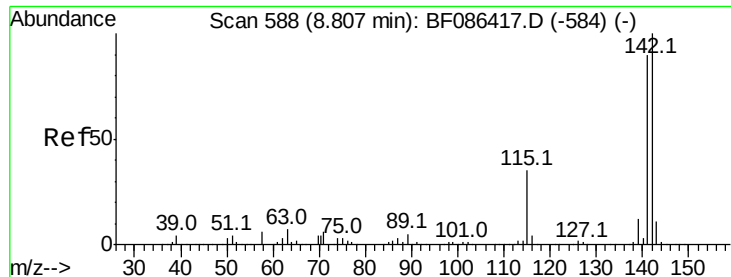
Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.4 10.8 16.2





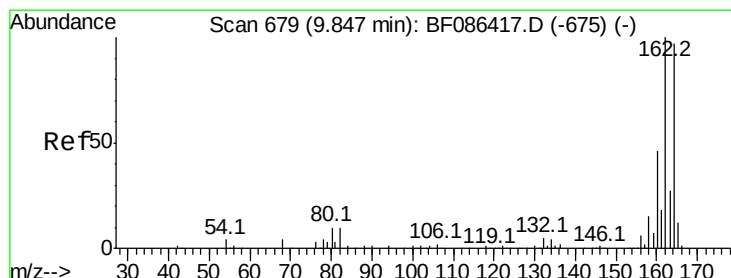
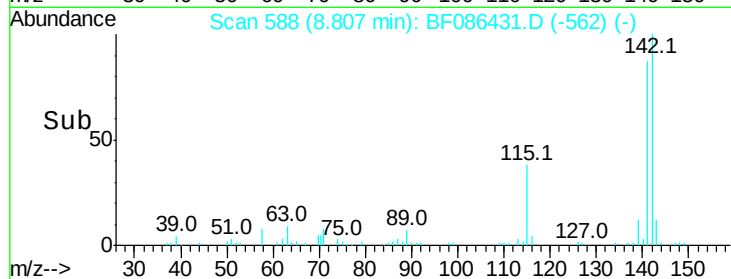
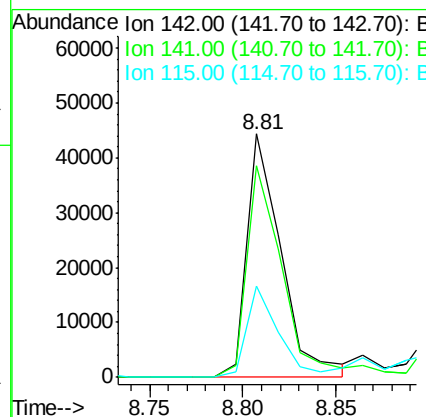
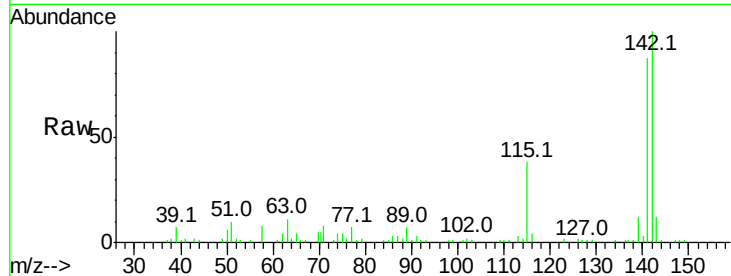
#37
2-Methylnaphthalene
Concen: 4.07 ng
RT: 8.81 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

Tot Ion:	142	Resp:	56877
Ion Ratio	Lower	Upper	
142	100		
141	86.9	71.0	106.6
115	37.6	26.6	39.8

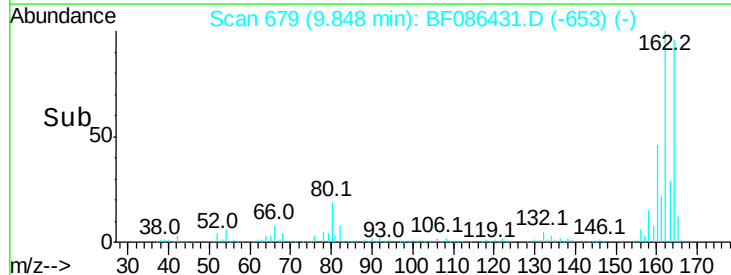
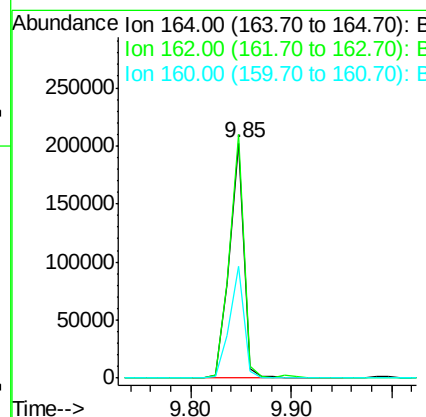
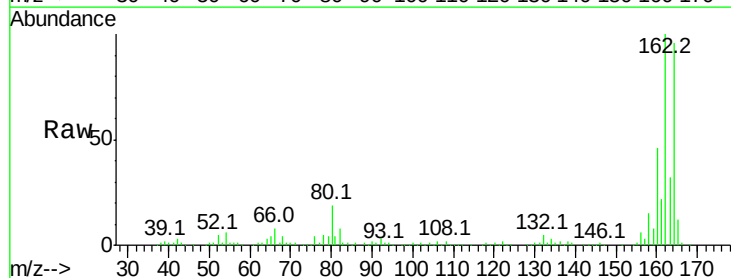
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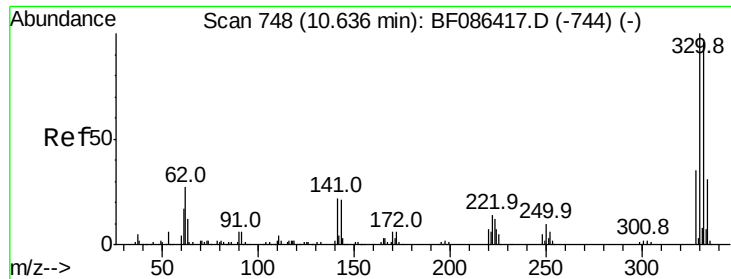
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion:	164	Resp:	204521
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.8	124.2
160	47.6	36.9	55.3





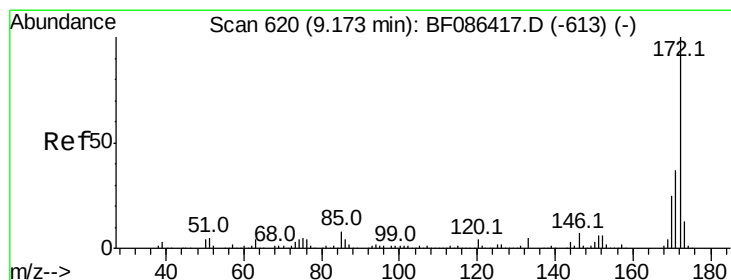
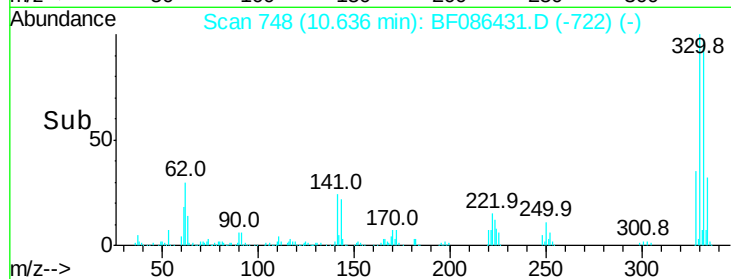
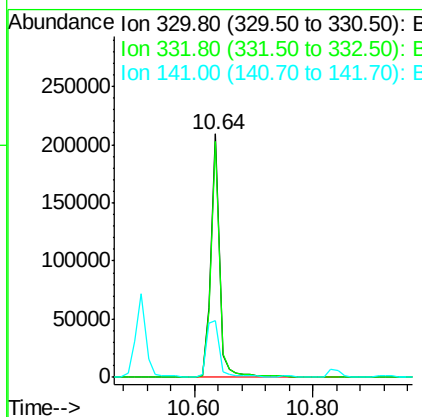
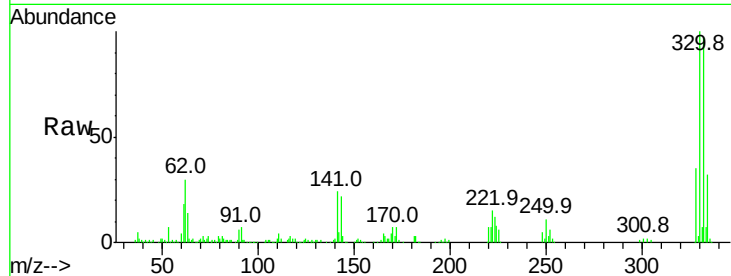
#41
 2,4,6-Tribromophenol
 Concen: 101.16 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampled :
 NB2-PRE-B10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	218188		
332	97.1	79.0	118.4	
141	33.3	31.2	46.8	

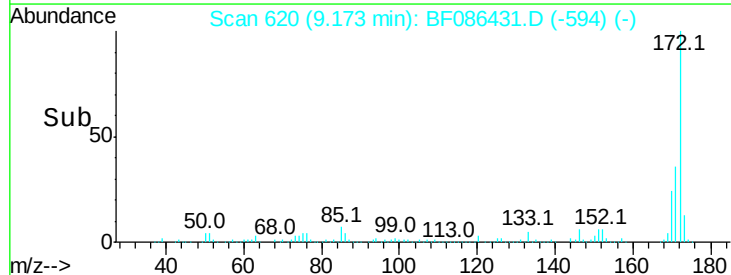
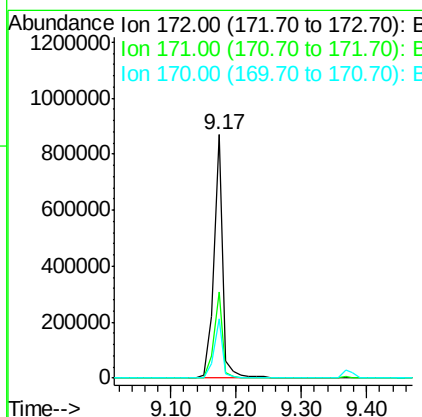
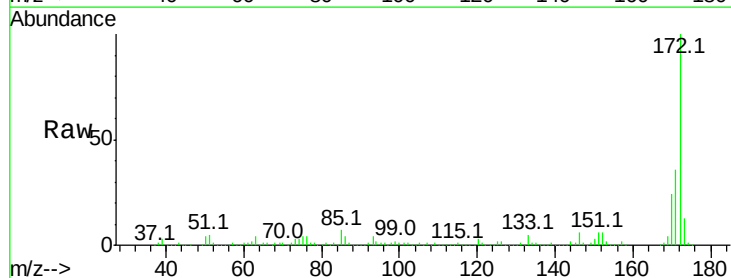
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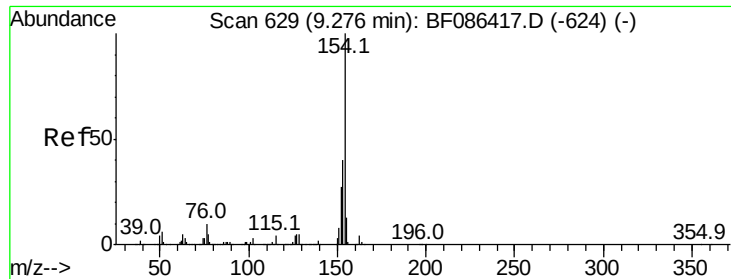
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#44
 2-Fluorobiphenyl
 Concen: 69.62 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	848280		
171	35.6	29.0	43.6	
170	24.1	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 6.99 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

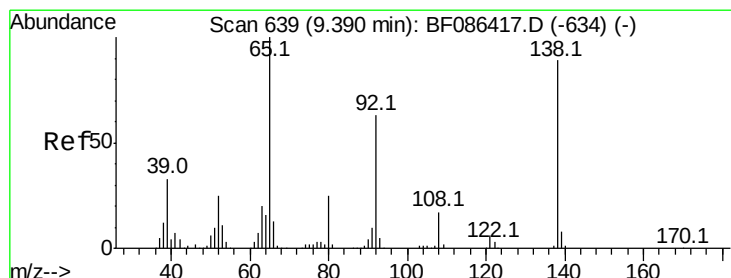
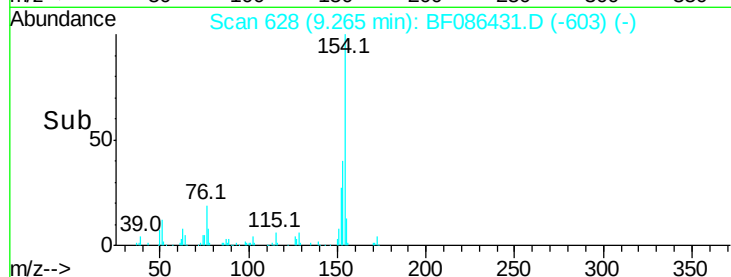
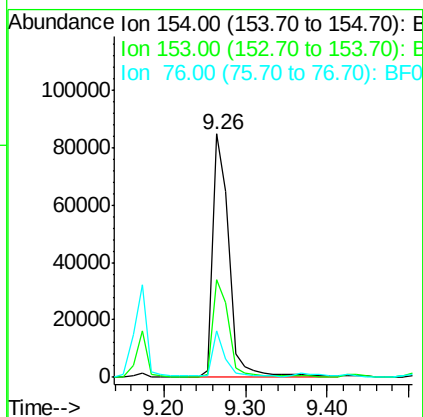
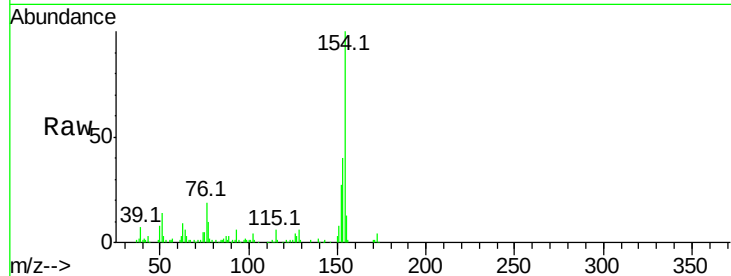
ClientSampled :

NB2-PRE-B10

Tot Ion:	154	Resp:	119479
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.3	60.3
76	19.1	0.0	30.2

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#47

2-Nitroaniline

Concen: 10.00 ng

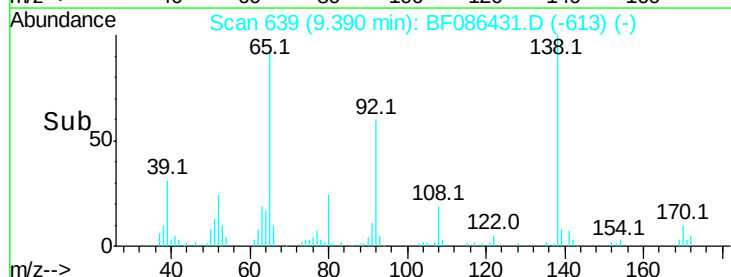
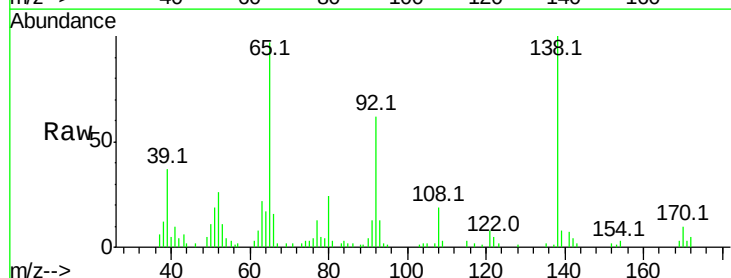
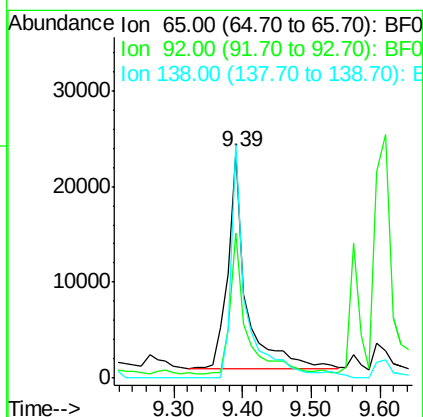
RT: 9.39 min Scan# 639

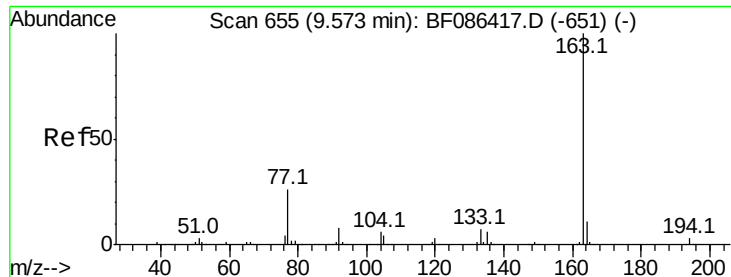
Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion:	65	Resp:	41682
Ion Ratio	Lower	Upper	
65	100		
92	64.1	57.4	86.2
138	103.4	90.1	135.1





#49

Dimethylphthalate

Concen: 9.27 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

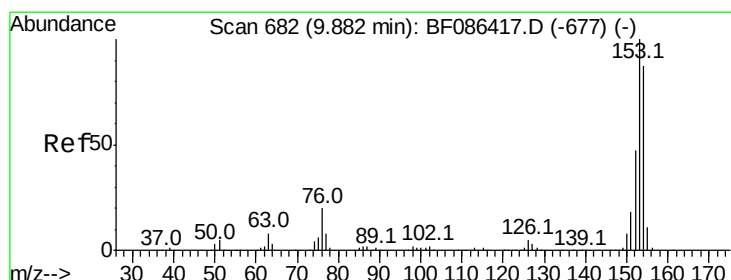
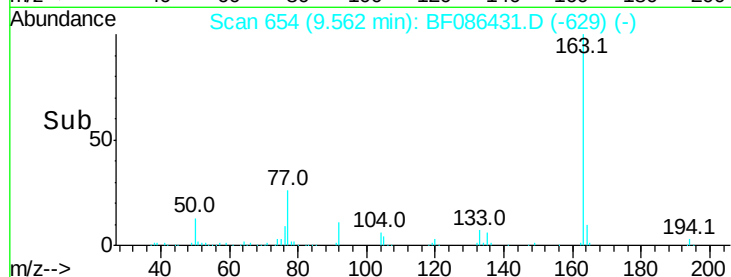
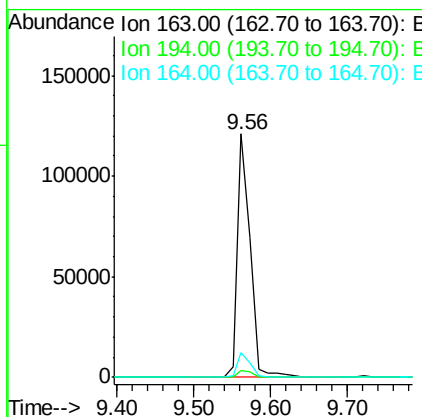
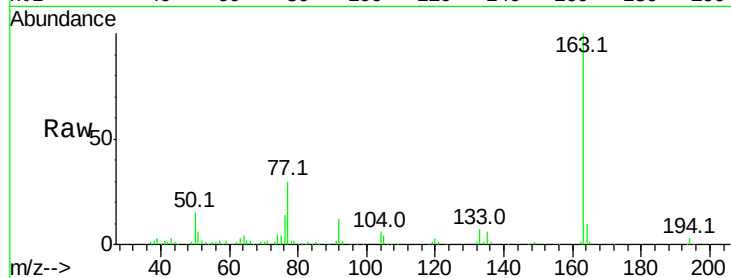
ClientSampleId :

NB2-PRE-B10

Tot Ion:	163	Resp:	142783
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	4.0
164	10.4	8.2	12.4

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#51

Acenaphthene

Concen: 5.42 ng

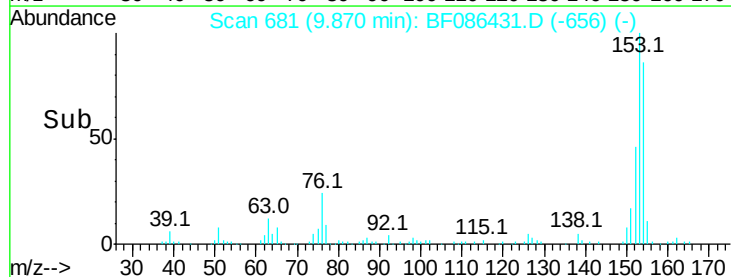
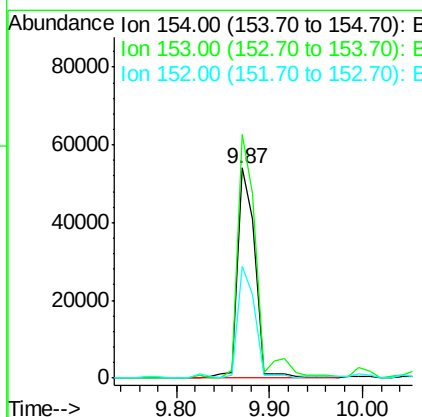
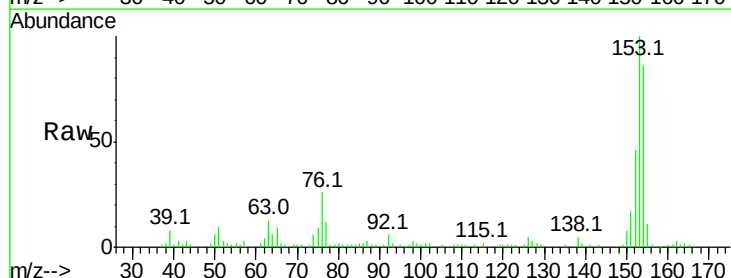
RT: 9.87 min Scan# 681

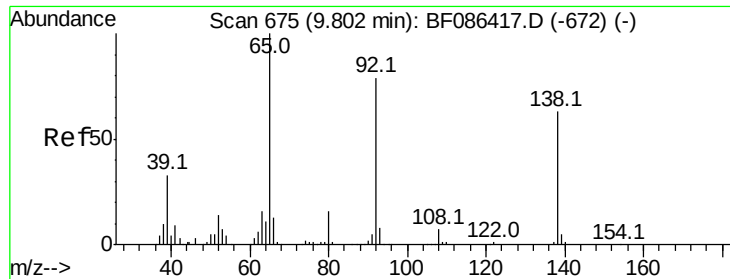
Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion:	154	Resp:	70699
Ion Ratio	Lower	Upper	
154	100		
153	115.8	89.8	134.6
152	53.1	43.4	65.0





#52

3-Nitroaniline

Concen: 31.97 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

ClientSampled :

NB2-PRE-B10

Tot Ion:138 Resp: 115640

Ion Ratio Lower Upper

138 100

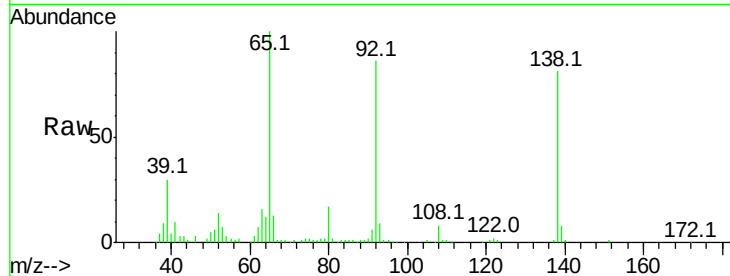
108 9.8 7.8 11.6

92 106.5 87.8 131.8

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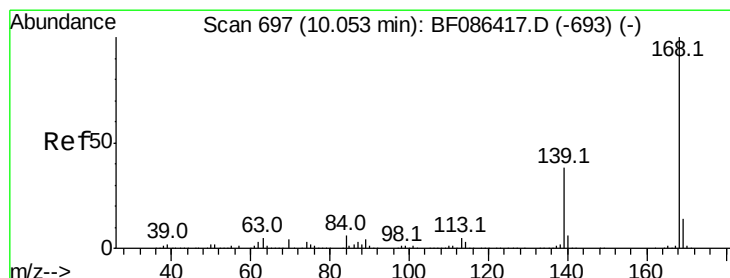
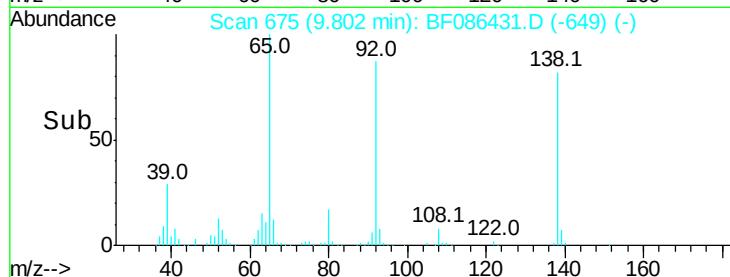
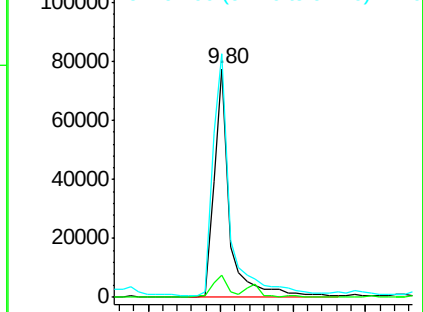
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 4.59 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

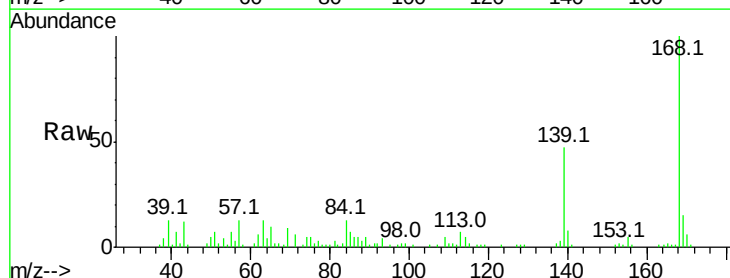
Tgt Ion:168 Resp: 74868

Ion Ratio Lower Upper

168 100

139 47.0 31.4 47.0

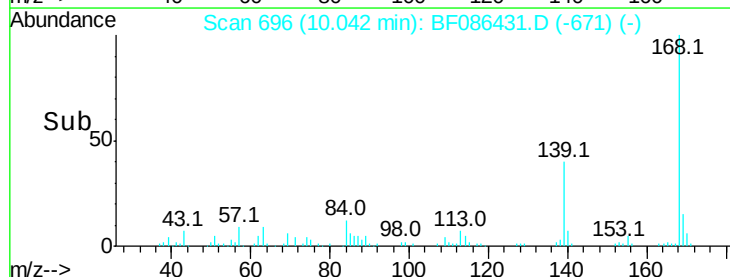
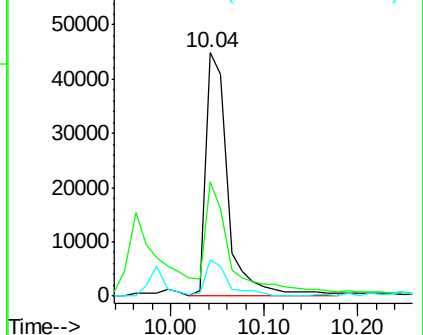
169 14.8 10.7 16.1

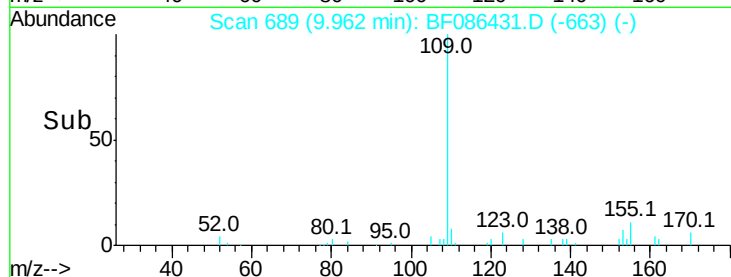
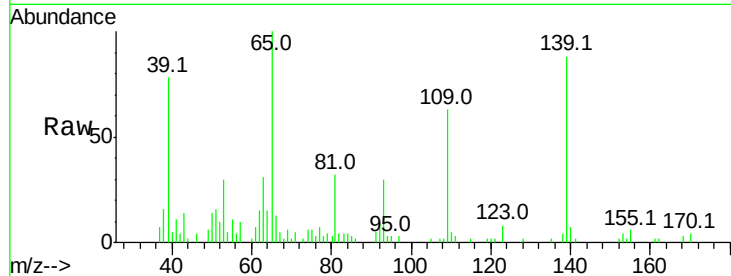
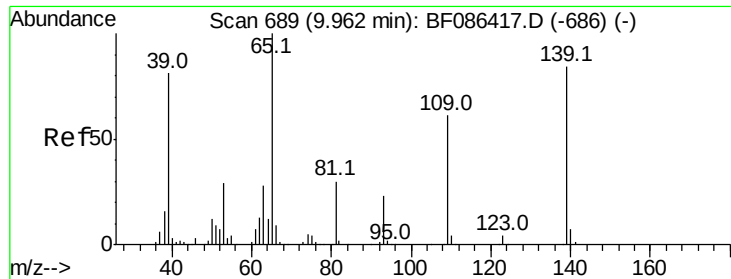


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





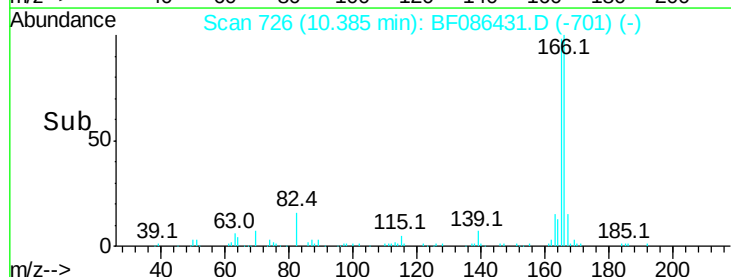
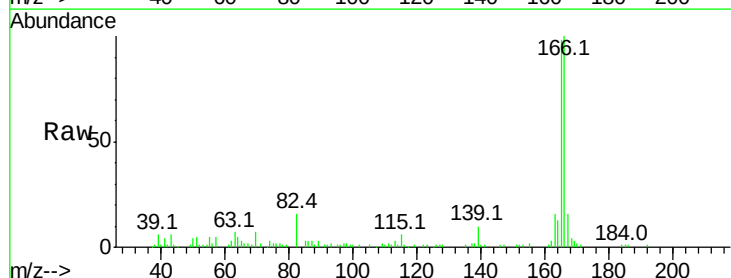
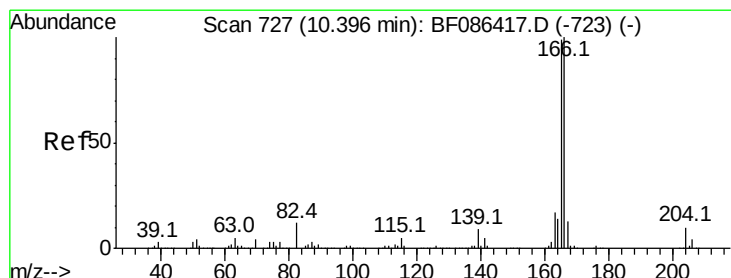
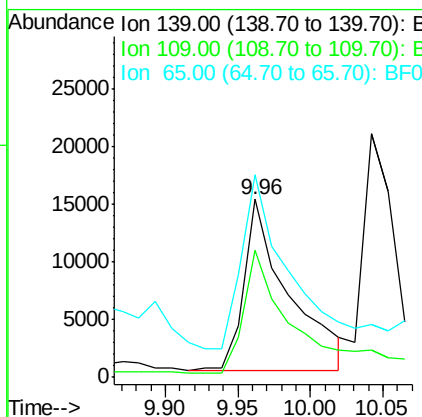
#55
4-Nitrophenol
Concen: 13.26 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tot Ion	Ratio	Lower	Upper
139	100		
109	71.5	36.9	76.9
65	113.8	64.0	104.0

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

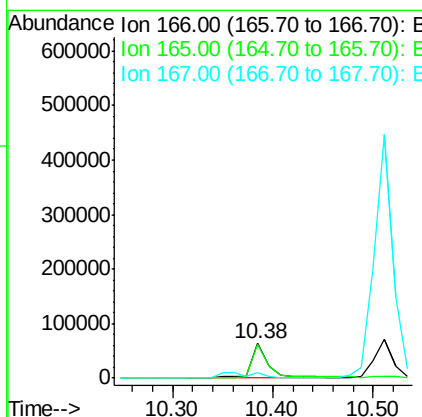
Manual Integrations
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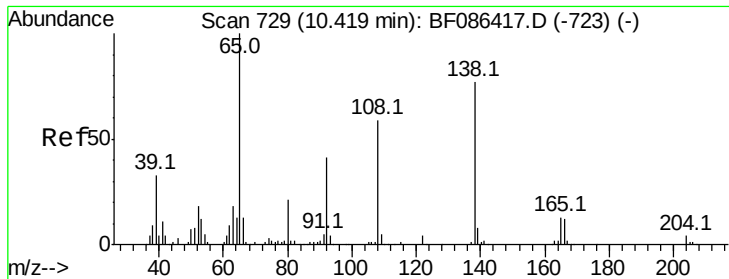
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#57
Fluorene
Concen: 5.16 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.0	118.6
167	15.8	10.6	15.8





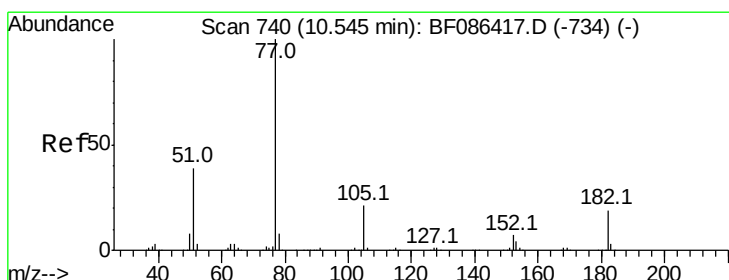
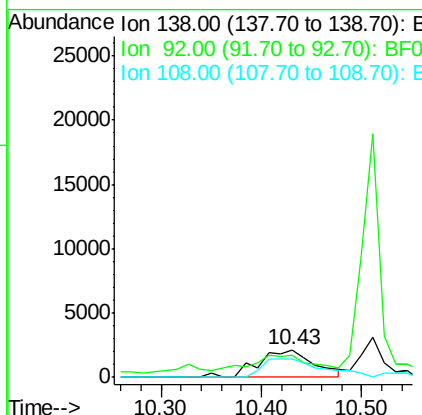
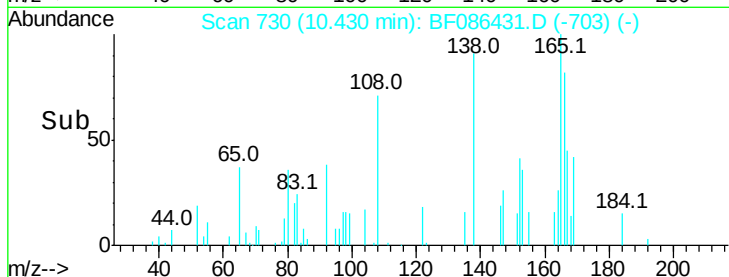
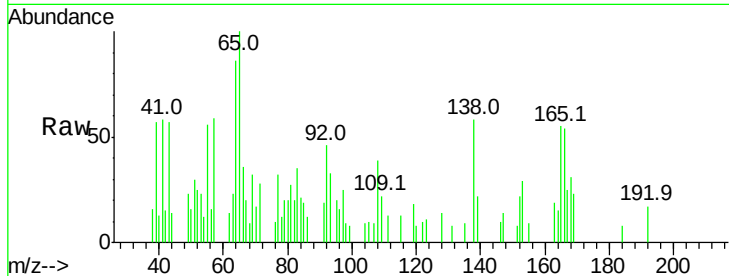
#61
4-Nitroaniline
Concen: 2.29 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Instrument :
BNA_F
ClientSampled :
NB2-PRE-B10

Tot Ion: 138 Resp: 8096
Ion Ratio Lower Upper
138 100
92 79.5 24.7 64.7#
108 67.2 37.4 77.4

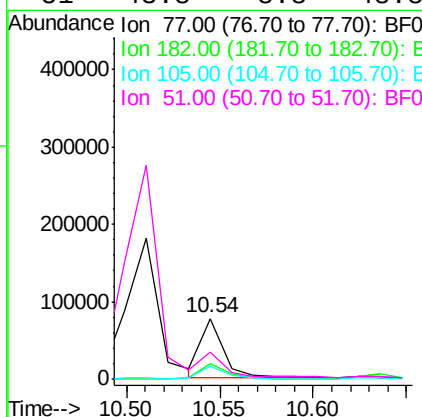
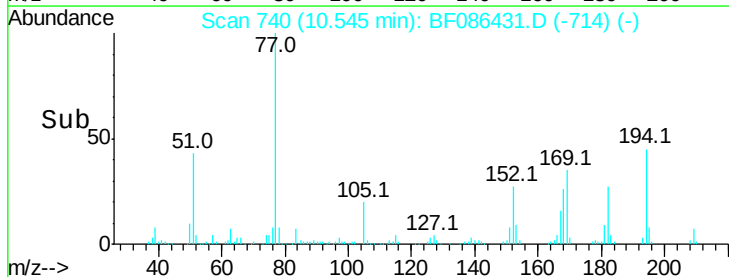
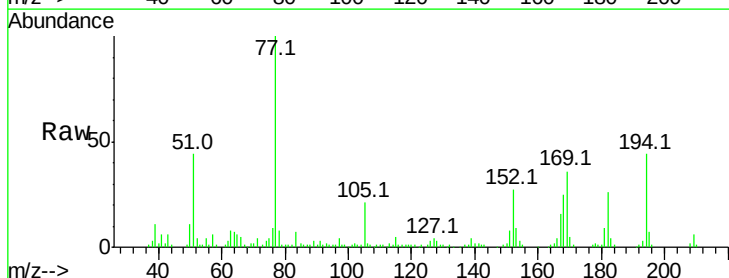
Manual Integrations
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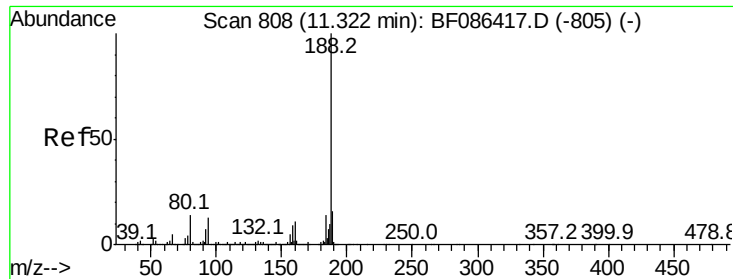
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#62
Azobenzene
Concen: 4.25 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion: 77 Resp: 67910
Ion Ratio Lower Upper
77 100
182 26.1 0.0 38.8
105 20.7 3.2 43.2
51 43.8 8.8 48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

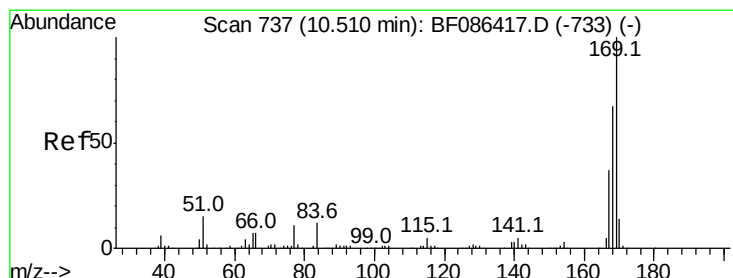
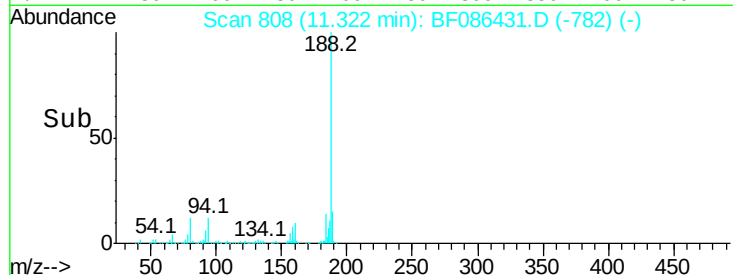
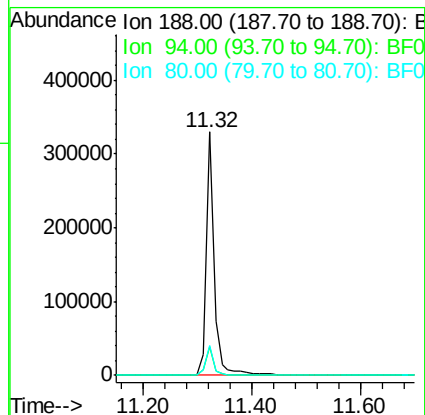
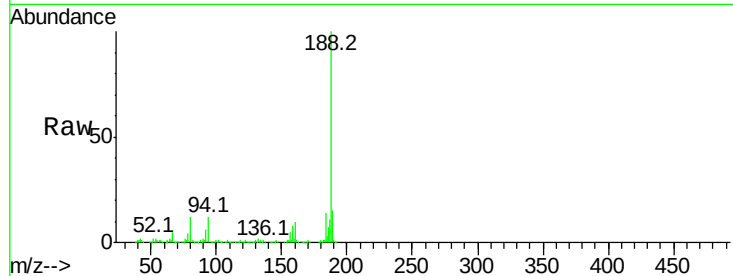
ClientSampleId :

NB2-PRE-B10

Tot Ion:	188	Resp:	333415
Ion Ratio	Lower	Upper	
188	100		
94	11.7	6.8	10.2#
80	12.3	7.1	10.7#

Manual Integrations
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#65

n-Nitrosodiphenylamine

Concen: 154.20 ng

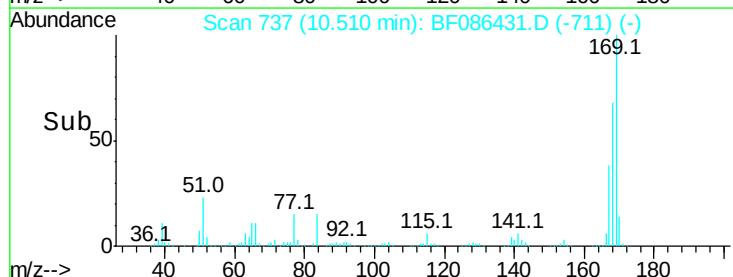
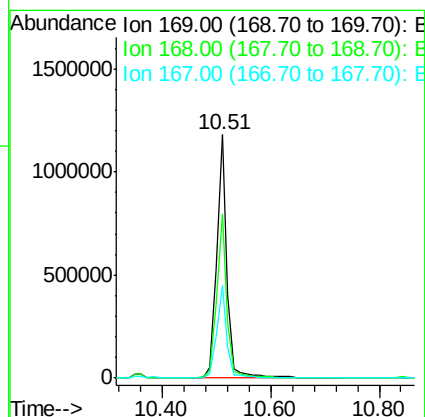
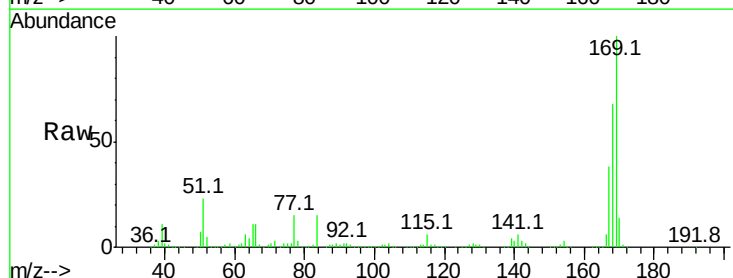
RT: 10.51 min Scan# 737

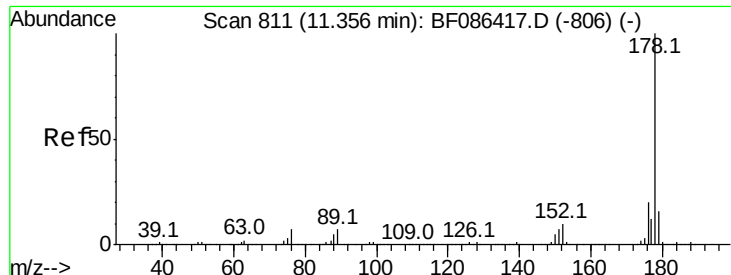
Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion:	169	Resp:	1606848
Ion Ratio	Lower	Upper	
169	100		
168	67.7	53.8	80.6
167	37.8	29.5	44.3





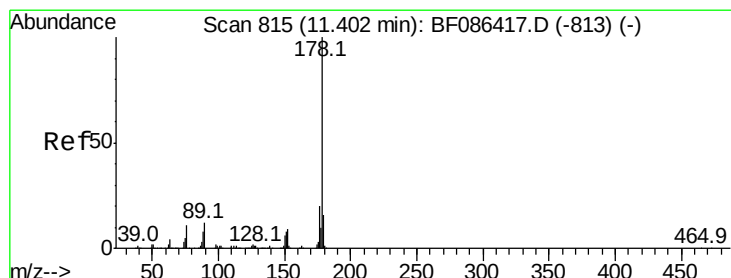
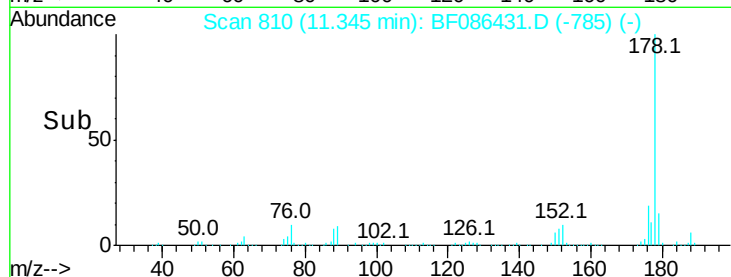
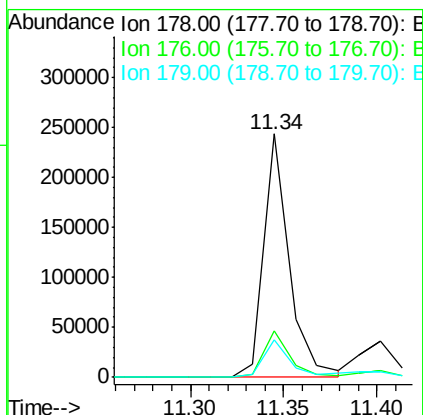
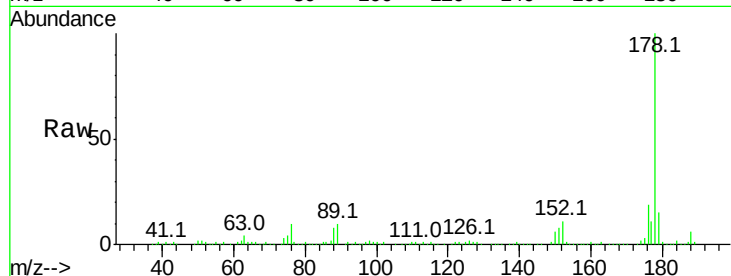
#70
Phenanthrene
Concen: 13.16 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.3	12.6	18.8

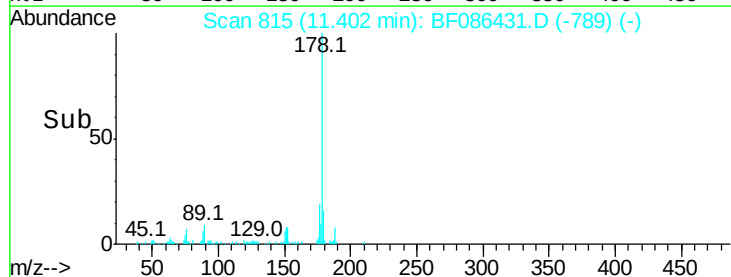
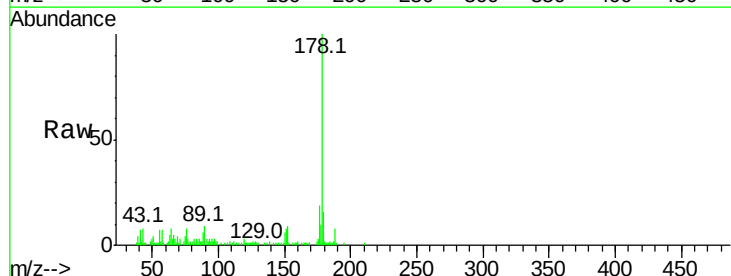
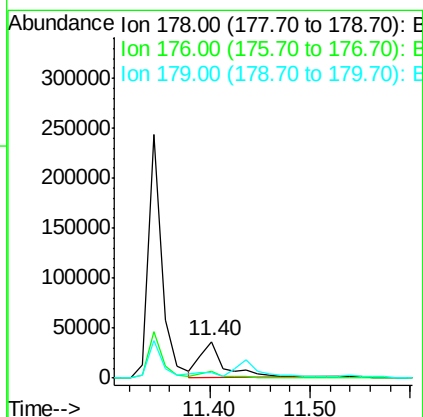
Manual Integrations
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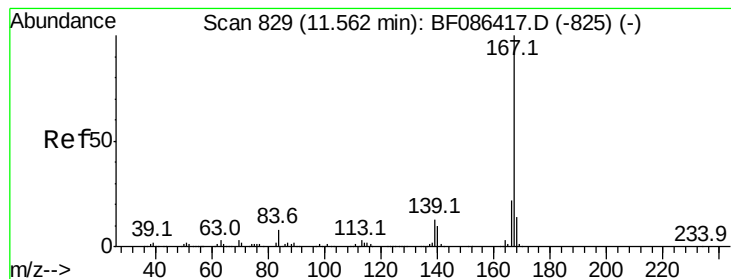
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#71
Anthracene
Concen: 3.35 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF086431.D
Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.4	12.7	19.1





#72

Carbazole

Concen: 11.47 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

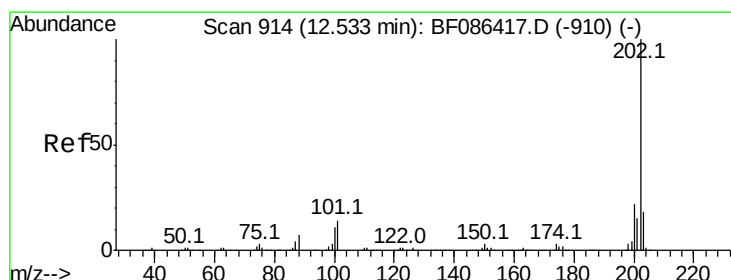
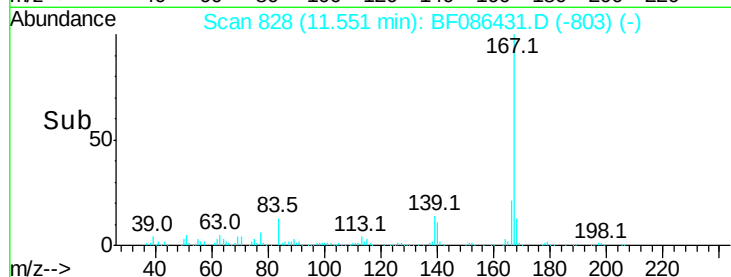
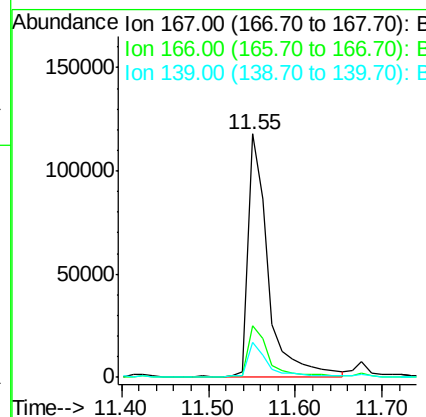
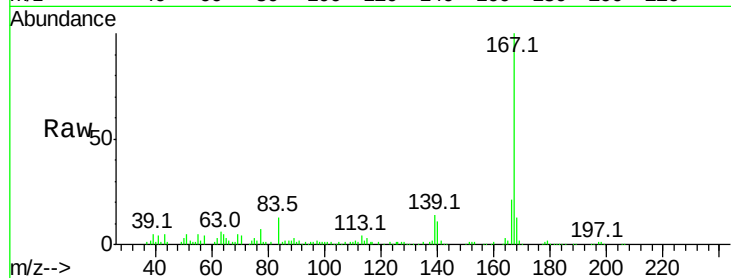
ClientSampleId :

NB2-PRE-B10

Tot Ion	167	Resp	189866
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.7	26.5
139	14.4	10.8	16.2

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#74

Fluoranthene

Concen: 5.44 ng

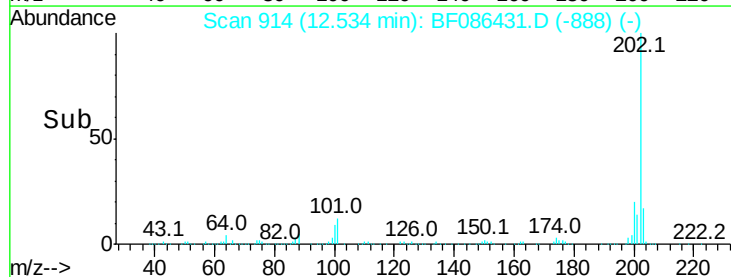
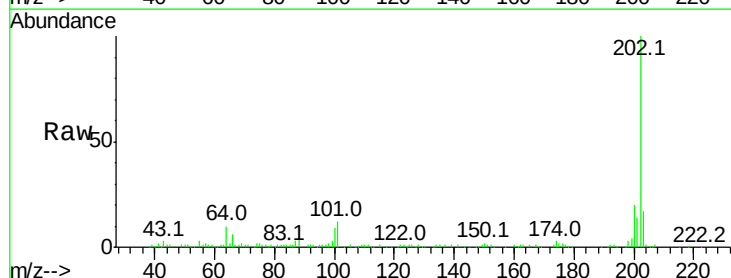
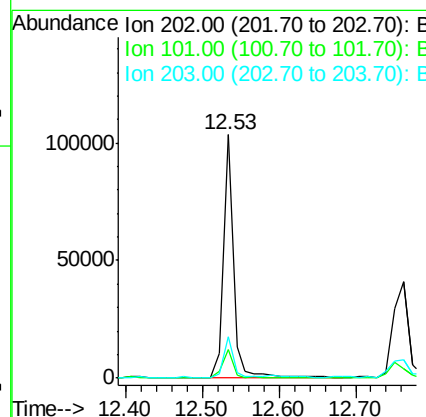
RT: 12.53 min Scan# 914

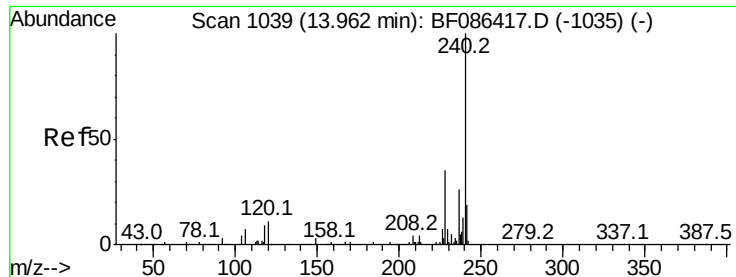
Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion	202	Resp	96142
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	35.4
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Instrument :

BNA_F

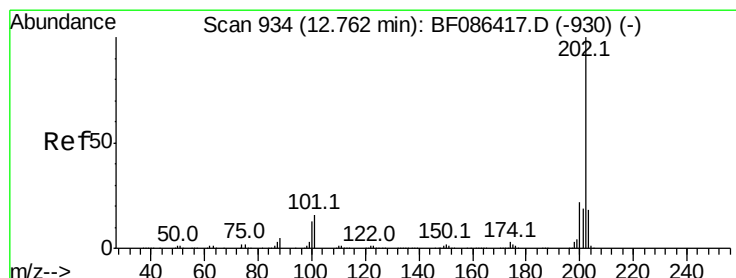
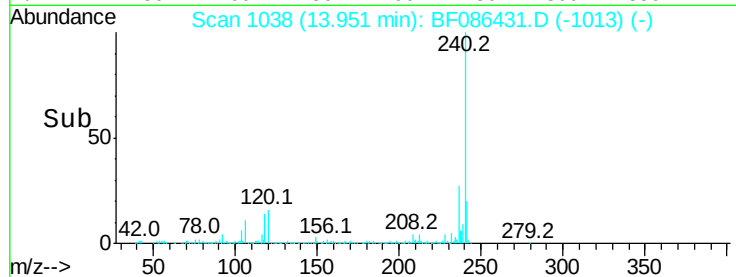
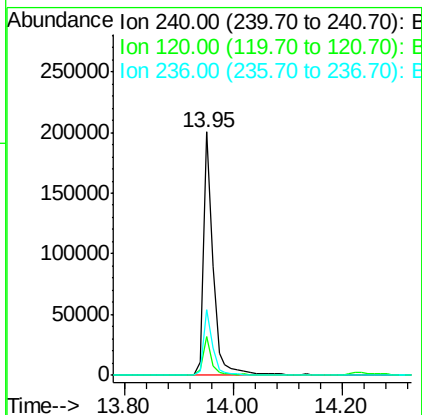
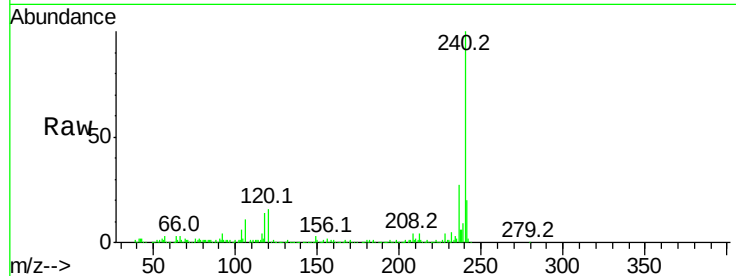
ClientSampleId :

NB2-PRE-B10

Tot Ion:	240	Resp:	246738
Ion Ratio	Lower	Upper	
240	100		
120	15.7	11.2	16.8
236	27.0	21.2	31.8

Manual Integrations
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#77

Pyrene

Concen: 3.21 ng

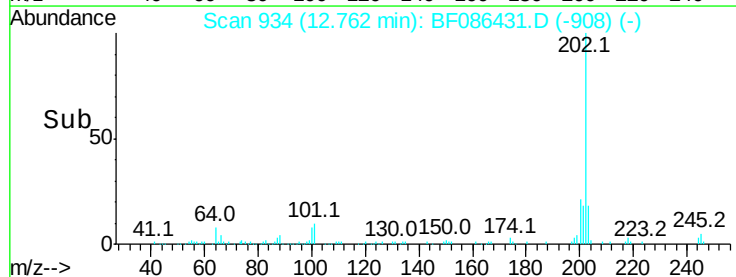
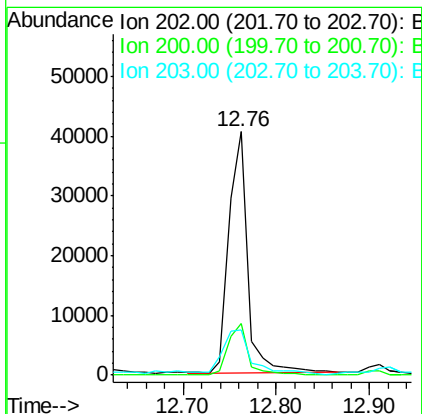
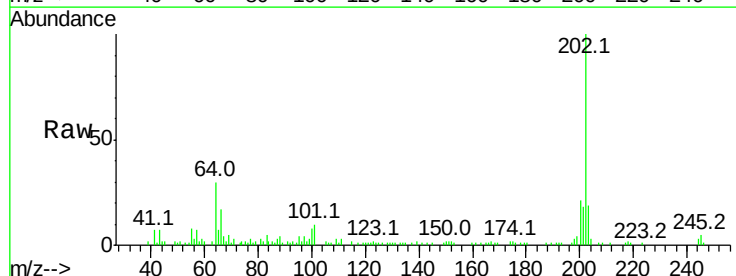
RT: 12.76 min Scan# 934

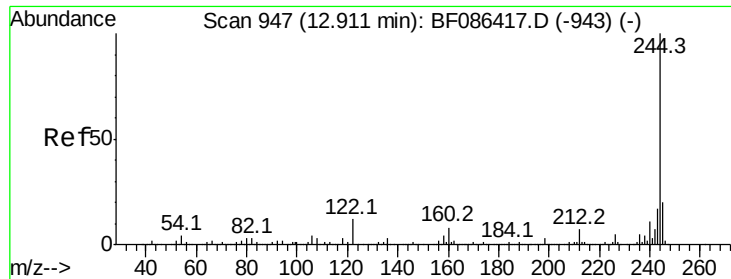
Delta R.T. 0.00 min

Lab File: BF086431.D

Acq: 27 Apr 2016 18:37

Tgt Ion:	202	Resp:	57160
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.7	26.5
203	18.6	14.2	21.4





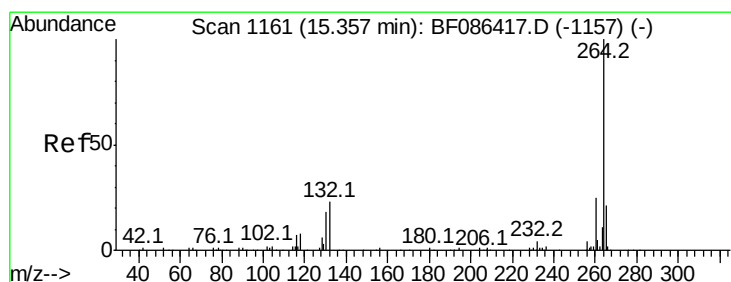
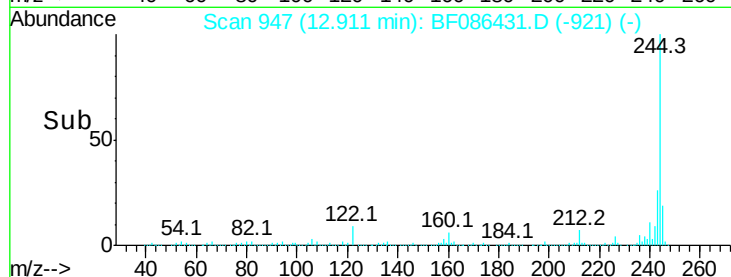
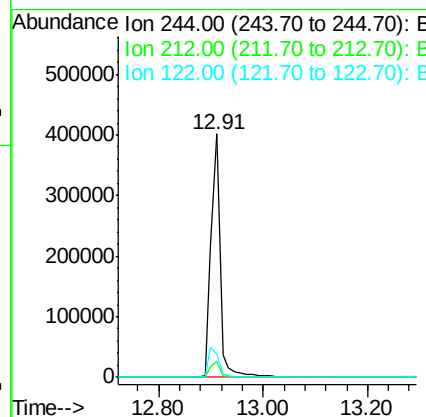
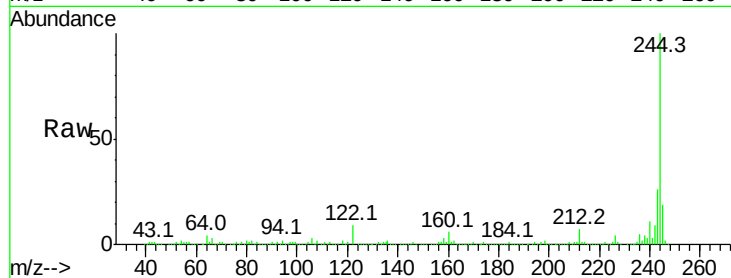
#78
 Terphenyl-d14
 Concen: 43.79 ng
 RT: 12.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.2	9.2
122	9.4	12.0	18.0#

Manual Integrations
 APPROVED

sohil
 4/28/2016 2:14:09 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF086431.D
 Acq: 27 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.1	17.3	25.9

