

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096827.D
 Acq On : 17 Jul 2017 18:50
 Operator : SJ/JU
 Sample : I4203-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB02B

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:32 AM

Quant Time: Jul 18 17:02:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	93706	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	314919	20.00	ng	-0.03
38) Acenaphthene-d10	9.65	164	111675	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	166585	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	174567	20.00	ng	-0.04
86) Perylene-d12	15.11	264	189340	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	740459	118.81	ng	-0.01
7) Phenol-d6	6.26	99	801797	107.21	ng	-0.02
23) Nitrobenzene-d5	7.17	82	469090	92.26	ng	-0.03
41) 2,4,6-Tribromophenol	10.43	330	85756	89.96	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	740896	104.82	ng	-0.02
78) Terphenyl-d14	12.70	244	470280	46.72	ng	-0.04
Target Compounds						
10) Phenol	6.27	94	29788	3.523	ng	Qvalue 97
31) Naphthalene	7.92	128	212801	14.264	ng	98
37) 2-Methylnaphthalene	8.61	142	119034	12.515	ng	94
45) 1,1'-Biphenyl	9.07	154	76305	7.967	ng	94
49) Dimethylphthalate	9.37	163	111483	13.258	ng	# 84
51) Acenaphthene	9.68	154	30670	4.620	ng	# 83
57) Fluorene	10.19	166	53545m	7.789	ng	
70) Phenanthrene	11.15	178	142798	15.765	ng	# 95

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

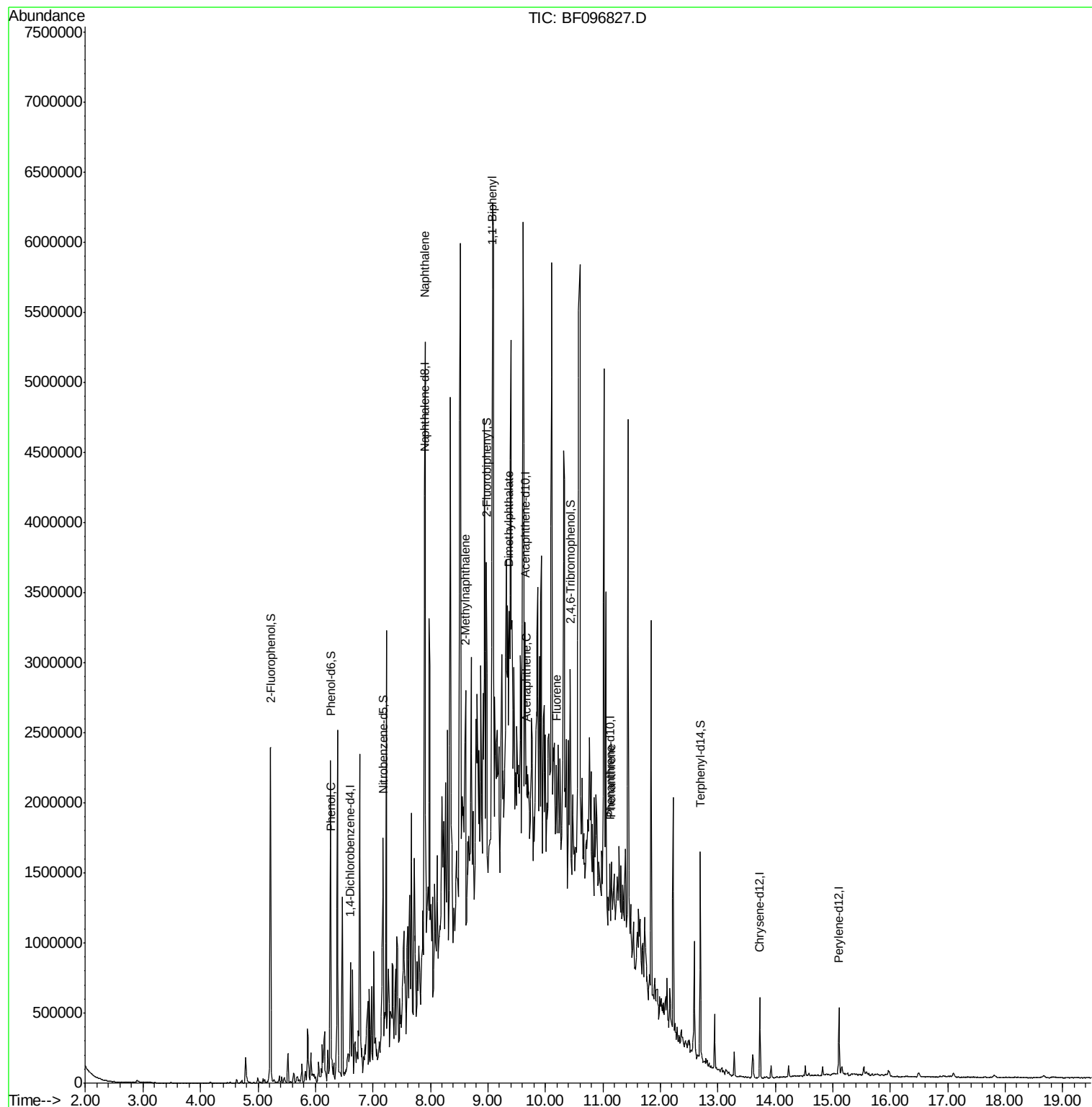
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096827.D
Acq On : 17 Jul 2017 18:50
Operator : SJ/JU
Sample : I4203-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

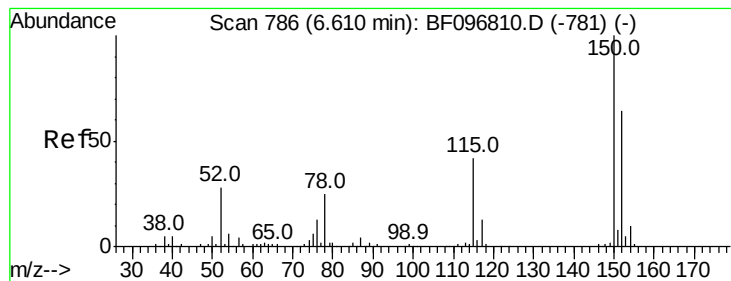
Instrument :
BNA_F
ClientSampleId :
NB-SB02B

Manual Integrations
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Quant Time: Jul 18 17:02:17 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

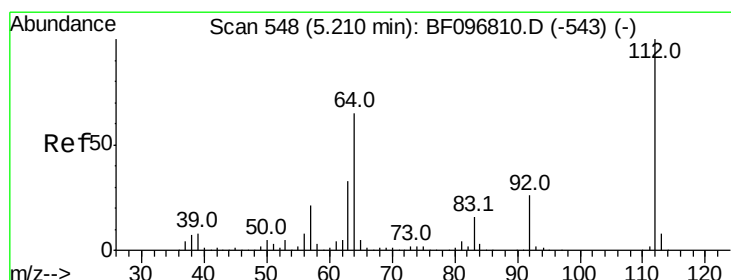
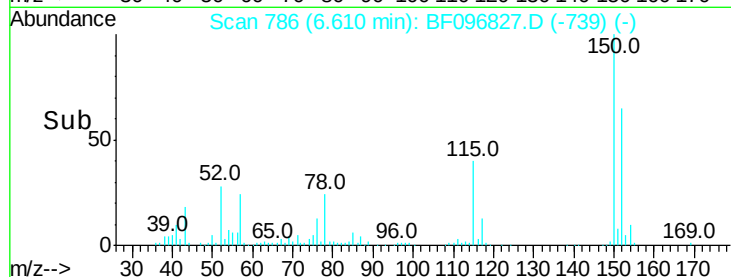
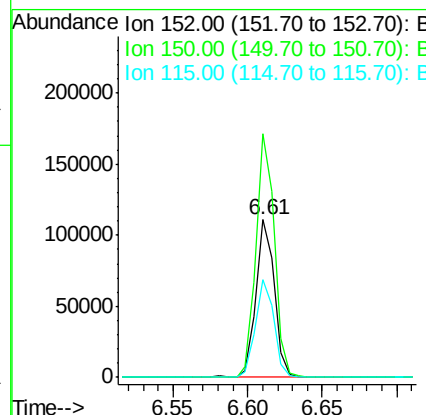
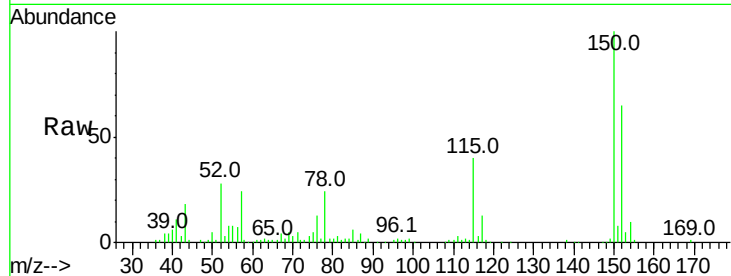
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Instrument :
BNA_F
ClientSampleId :
NB-SB02B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	62.2	52.2	78.2

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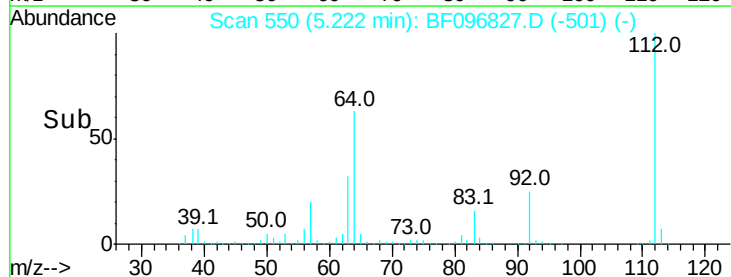
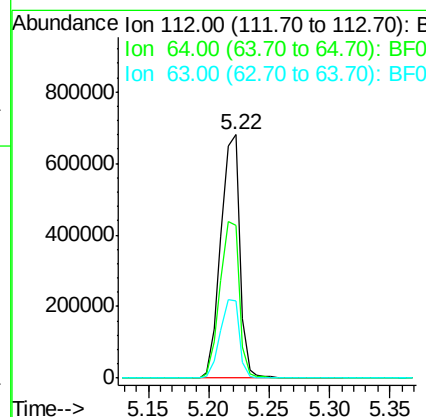
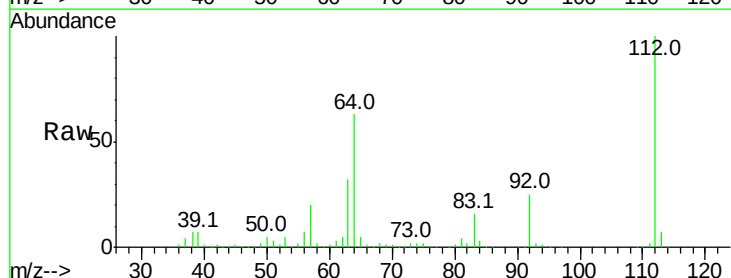
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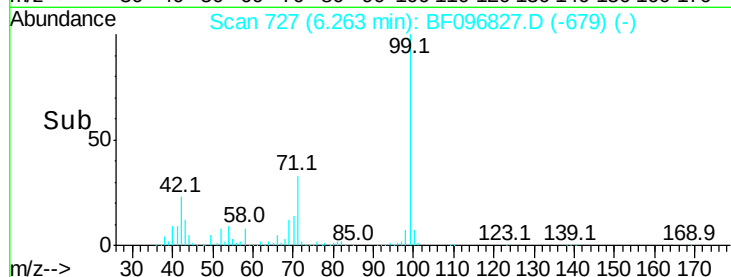
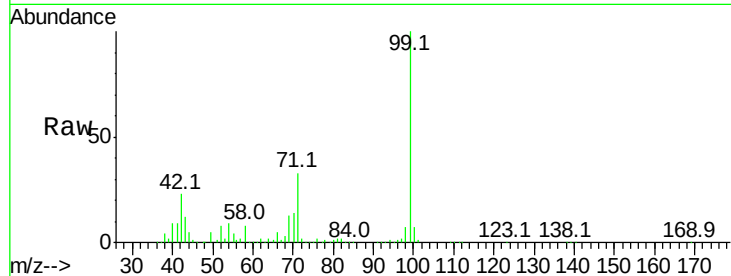
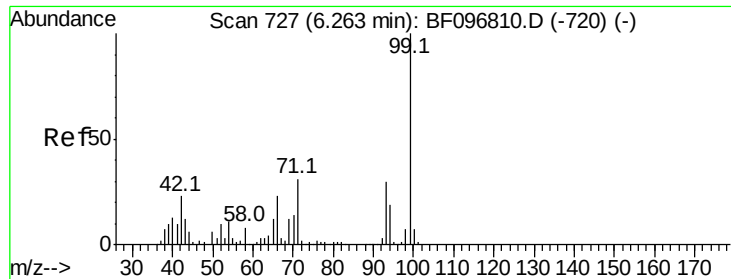


#5

2-Fluorophenol
Concen: 118.812 ng
RT: 5.22 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 107.209 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Tot Ion	99	Resp	801797
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.5	20.3#
71	33.2	24.5	36.7

Instrument :

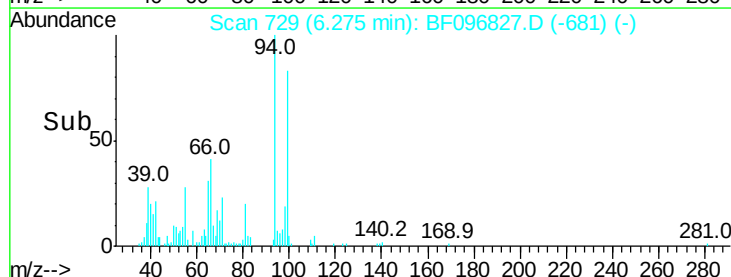
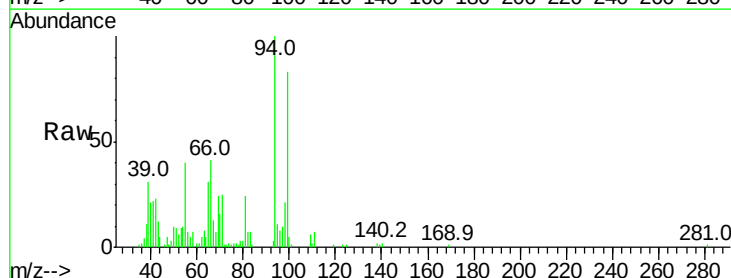
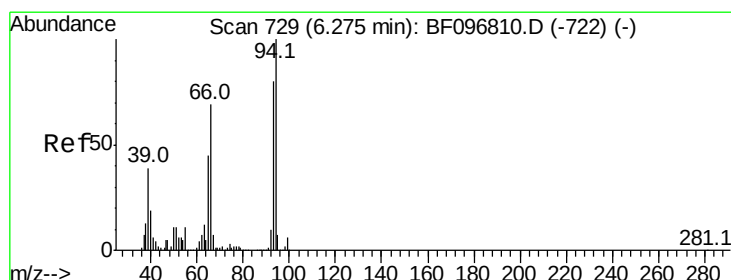
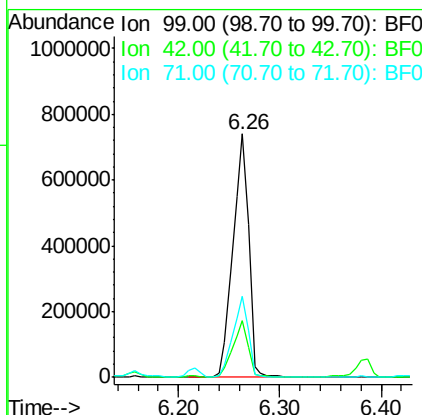
BNA_F

ClientSampleId :

NB-SB02B

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#10

Phenol

Concen: 3.523 ng

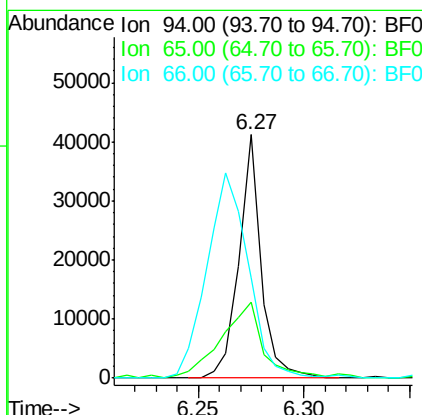
RT: 6.27 min Scan# 729

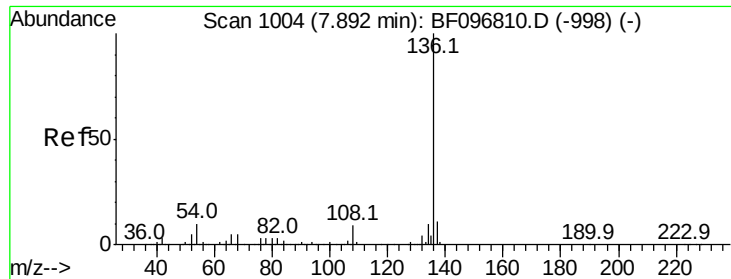
Delta R.T. -0.02 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Tgt Ion	94	Resp	29788
Ion Ratio	Lower	Upper	
94	100		
65	31.0	9.9	49.9
66	41.1	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Instrument :

BNA_F

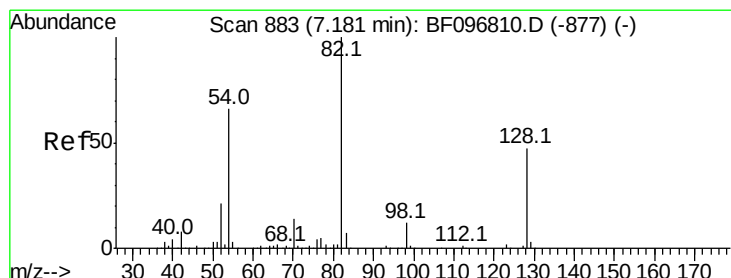
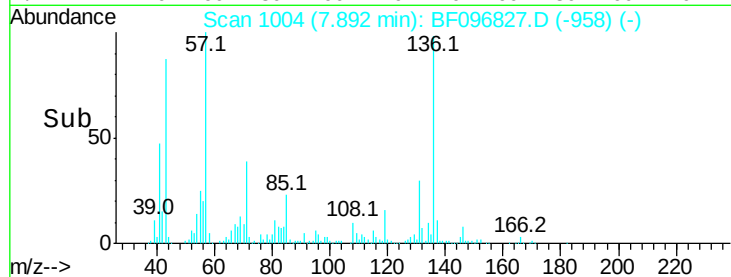
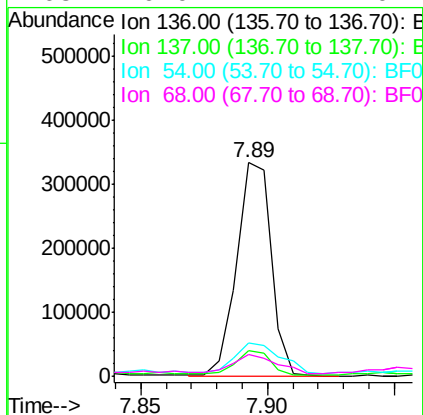
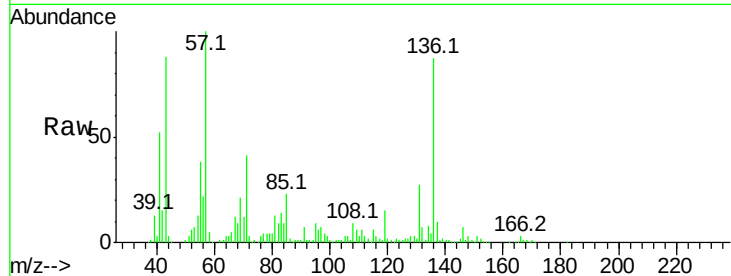
ClientSampled :

NB-SB02B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.9	8.5	12.7	
54	15.3	4.9	7.3#	
68	10.0	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 92.264 ng

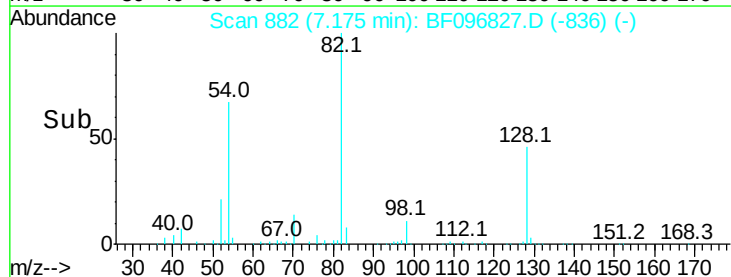
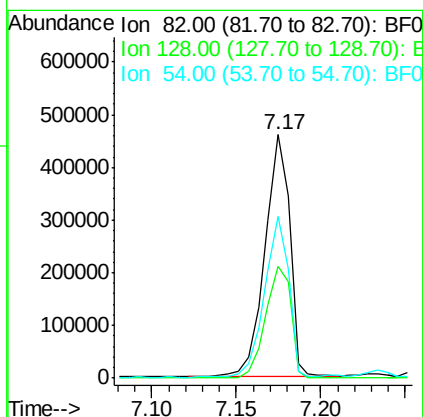
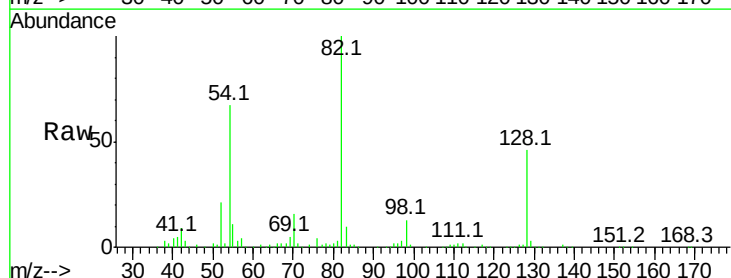
RT: 7.17 min Scan# 882

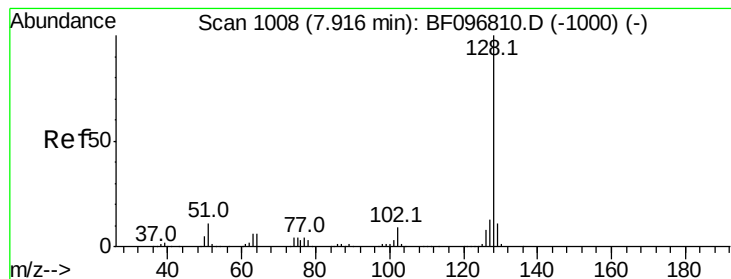
Delta R.T. -0.03 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	34.0	51.0	
54	66.5	42.2	63.2#	





#31

Naphthalene

Concen: 14.264 ng

RT: 7.92 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Instrument :

BNA_F

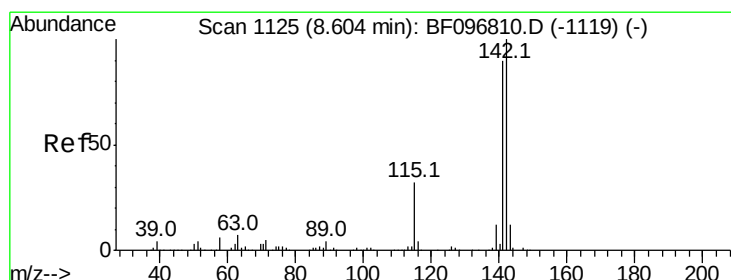
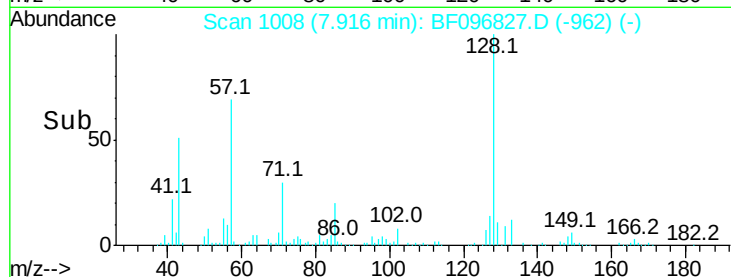
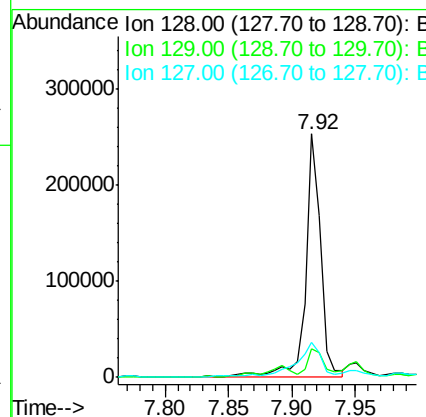
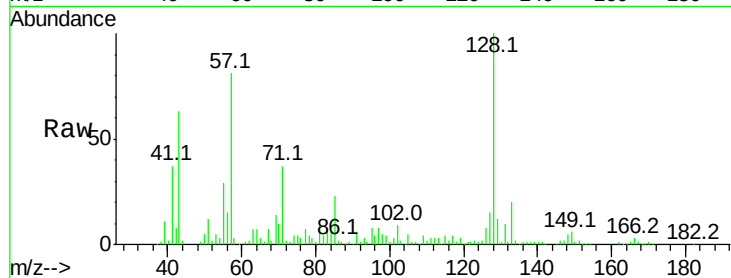
ClientSampleId :

NB-SB02B

Tot Ion:	128	Resp:	212801
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.0	13.6
127	14.5	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 12.515 ng

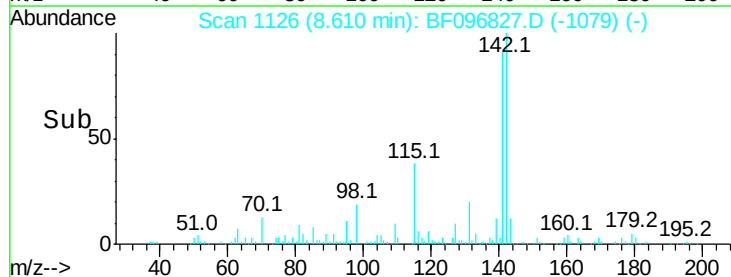
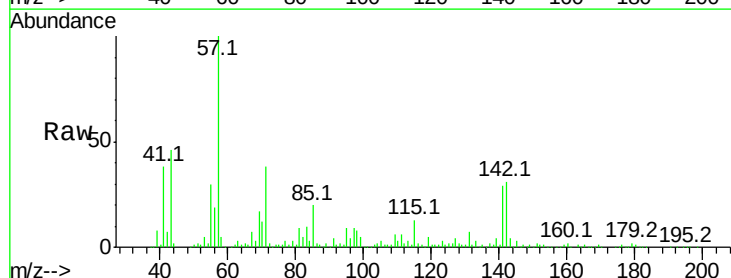
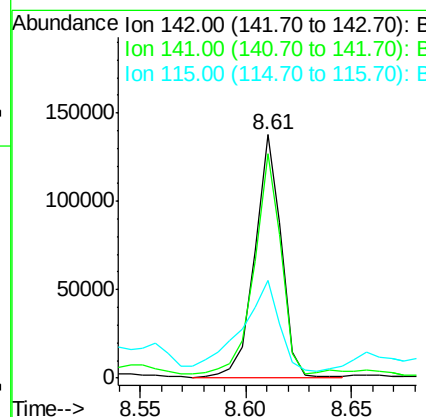
RT: 8.61 min Scan# 1126

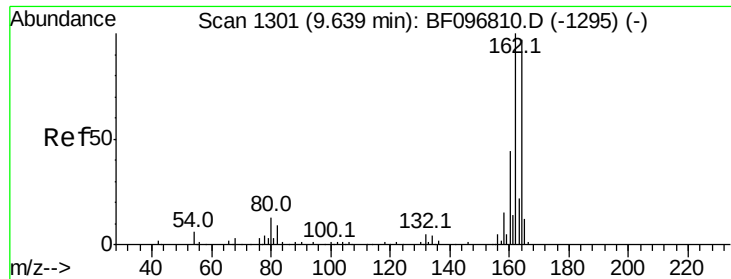
Delta R.T. -0.02 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Tgt Ion:	142	Resp:	119034
Ion Ratio	Lower	Upper	
142	100		
141	92.3	71.3	106.9
115	40.3	27.1	40.7





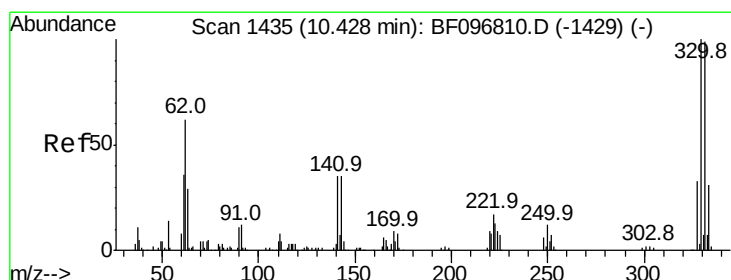
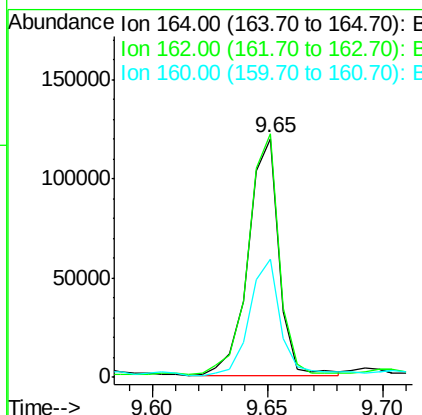
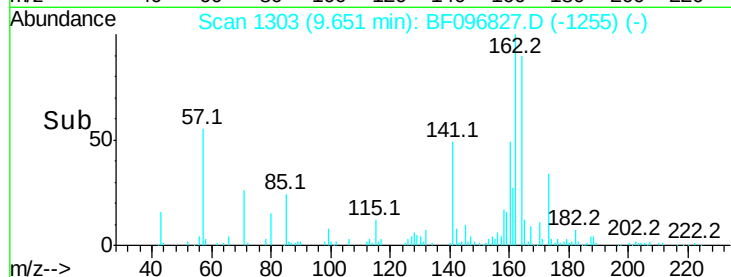
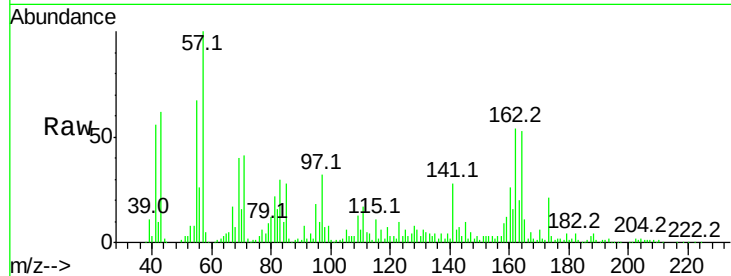
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF096827.D
 Acq: 17 Jul 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB02B

Tot Ion:	164	Resp:	111675
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.6	123.8
160	49.8	36.2	54.2

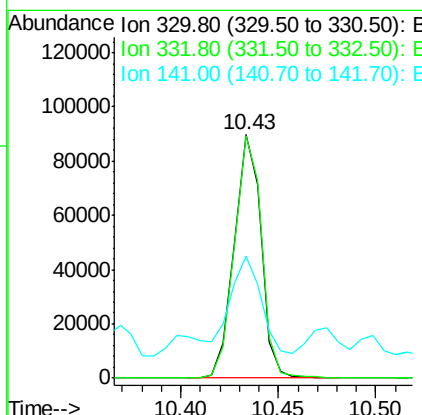
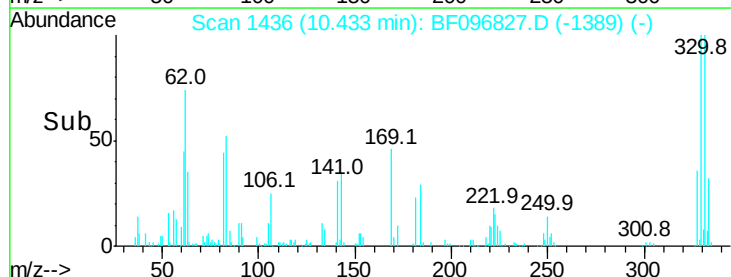
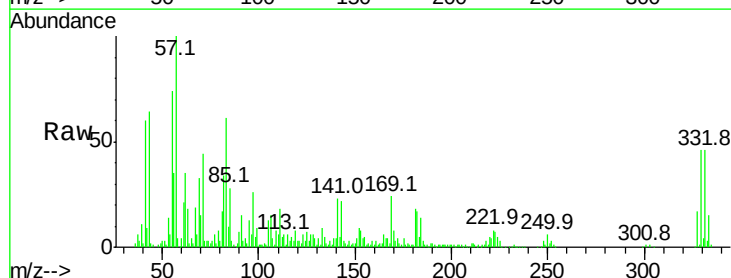
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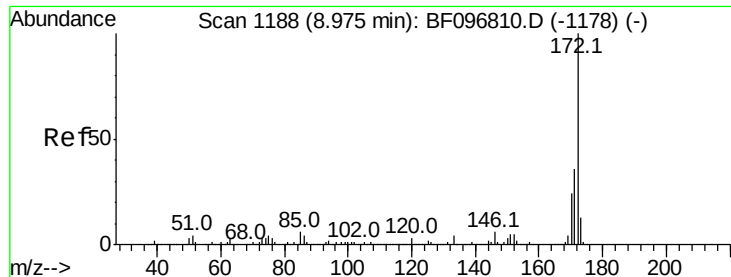
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#41
 2,4,6-Tribromophenol
 Concen: 89.963 ng
 RT: 10.43 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF096827.D
 Acq: 17 Jul 2017 18:50

Tgt Ion:	330	Resp:	85756
Ion Ratio	Lower	Upper	
330	100		
332	100.2	76.6	115.0
141	44.1	31.4	47.2





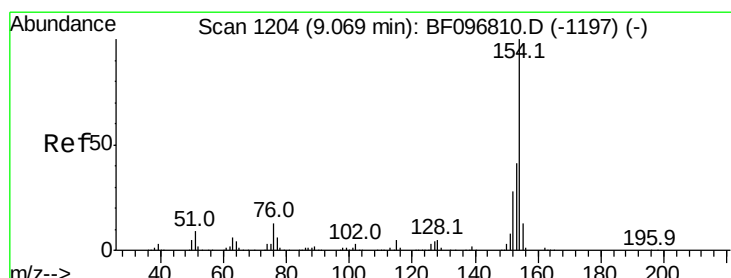
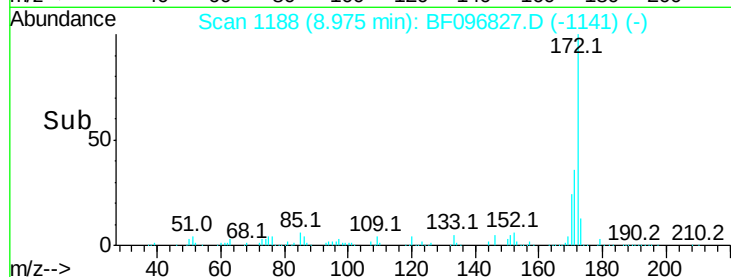
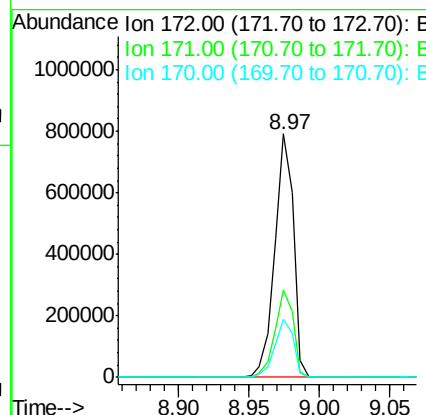
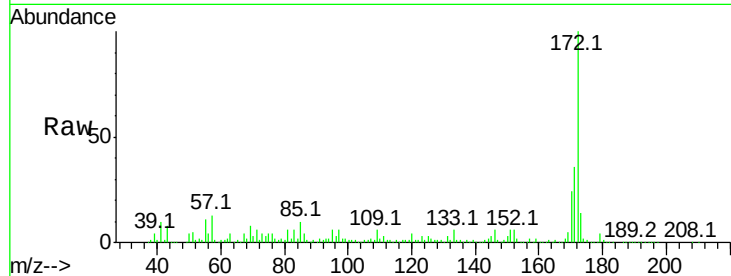
#44
2-Fluorobiphenyl
Concen: 104.818 ng
RT: 8.97 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Instrument :
BNA_F
ClientSampleId :
NB-SB02B

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.1	19.8	29.8	

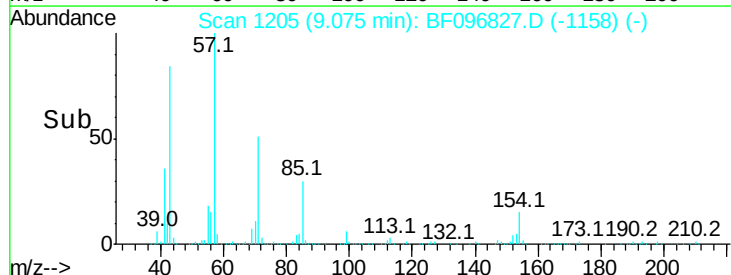
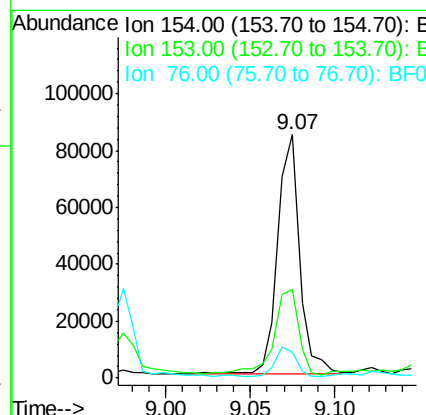
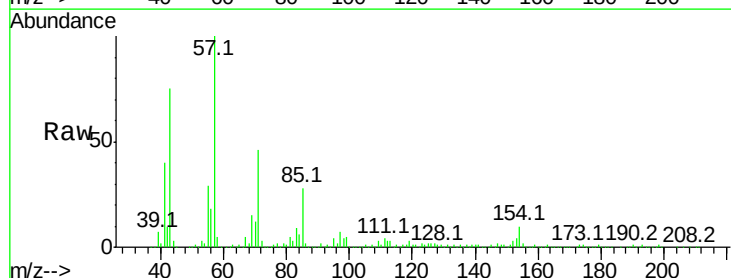
Manual Integrations
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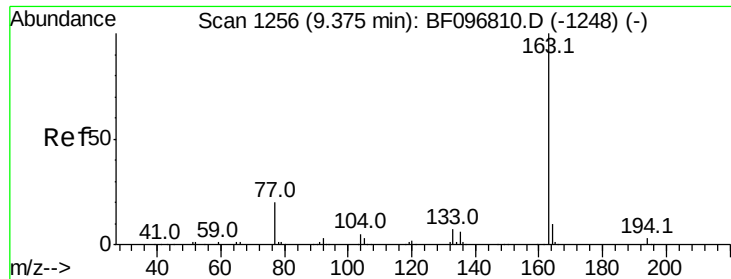
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#45
1,1'-Biphenyl
Concen: 7.967 ng
RT: 9.07 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	36.6	21.2	61.2	
76	10.6	0.0	29.9	





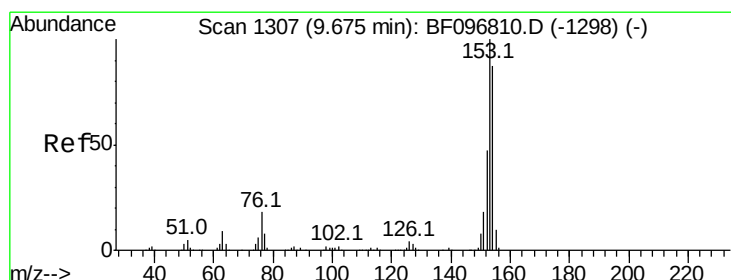
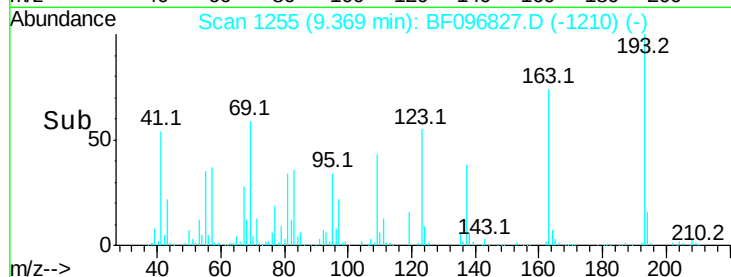
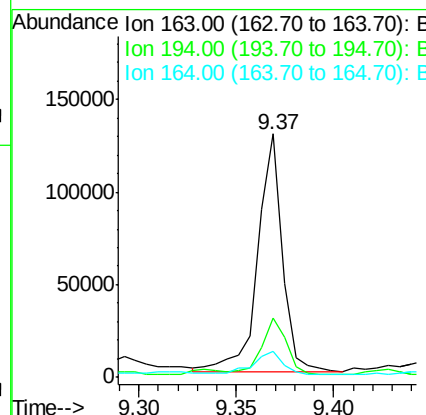
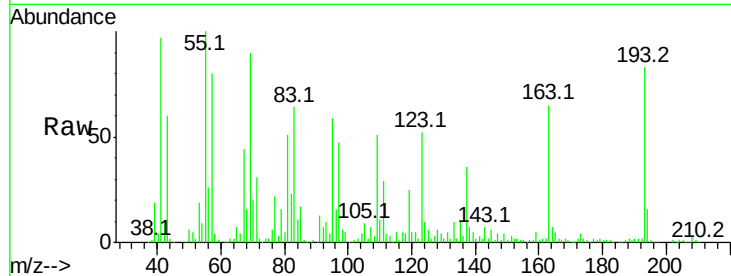
#49
Dimethylphthalate
Concen: 13.258 ng
RT: 9.37 min Scan# 1255
Delta R.T. -0.04 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Instrument :
BNA_F
ClientSampleId :
NB-SB02B

Tot Ion:163 Resp: 111483
Ion Ratio Lower Upper
163 100
194 24.2 2.6 4.0#
164 10.9 8.4 12.6

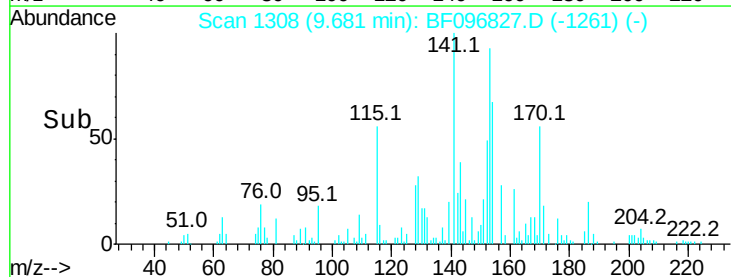
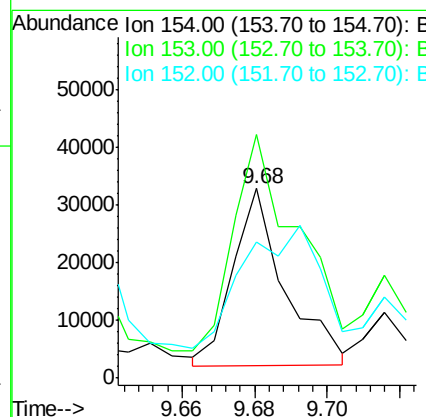
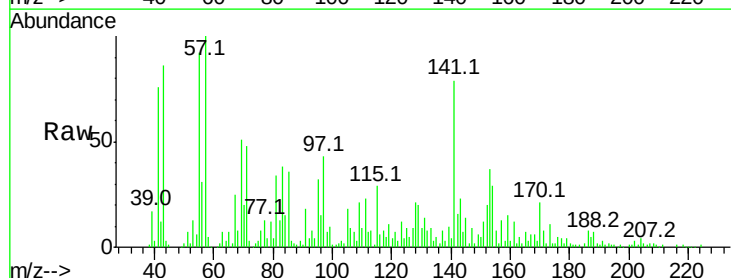
Manual Integrations
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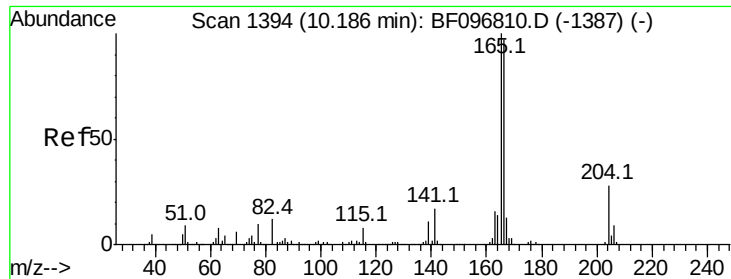
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#51
Acenaphthene
Concen: 4.620 ng
RT: 9.68 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Tgt Ion:154 Resp: 30670
Ion Ratio Lower Upper
154 100
153 128.4 90.5 135.7
152 71.6 43.6 65.4#





#57

Fluorene

Concen: 7.789 ng/mL

RT: 10.19 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Instrument :

BNA_F

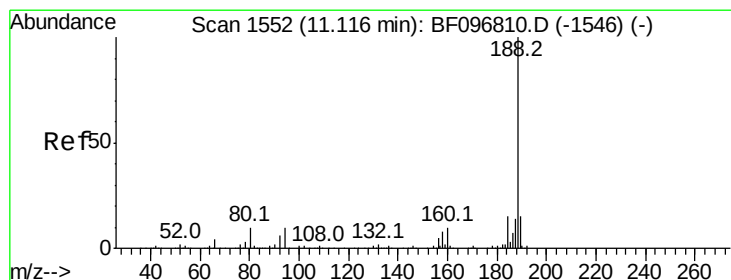
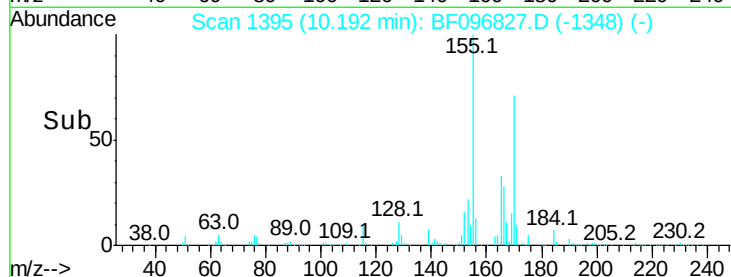
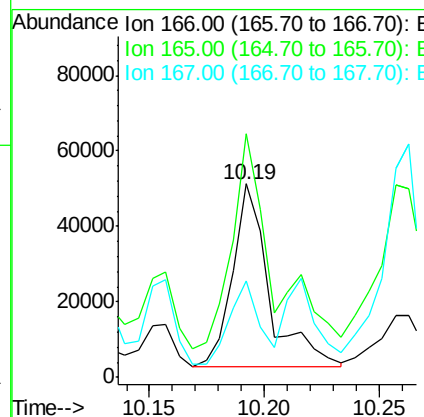
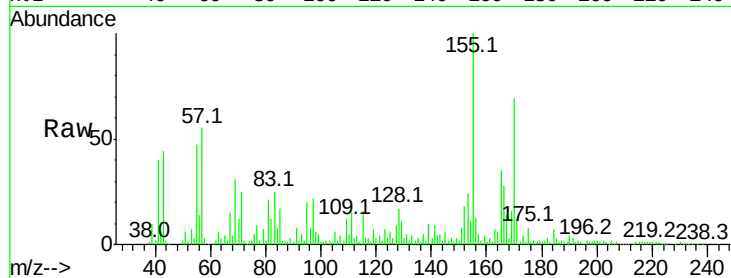
ClientSampleId :

NB-SB02B

Tot Ion	Ratio	Lower	Upper
166	100		
165	125.9	78.8	118.2#
167	49.7	10.6	16.0#

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#63

Phenanthrene-d10

Concen: 20.000 ng

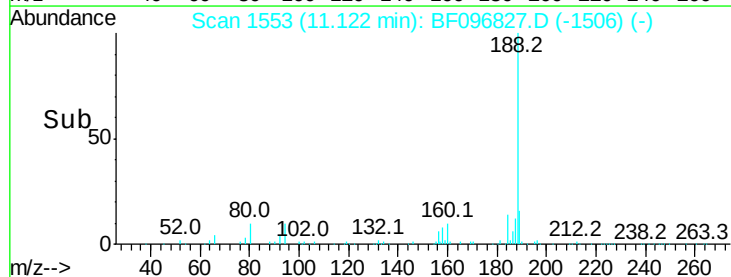
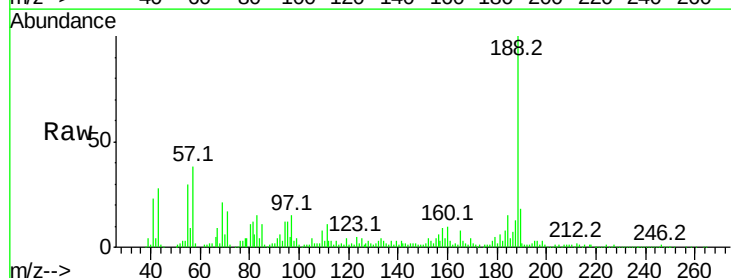
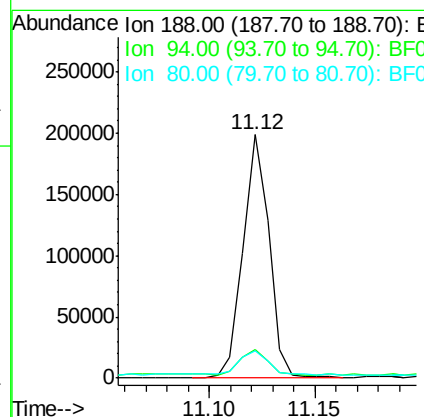
RT: 11.12 min Scan# 1553

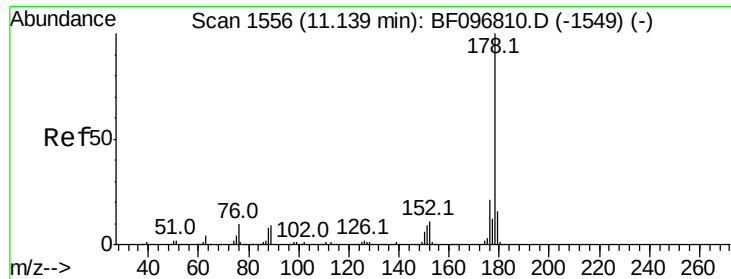
Delta R.T. -0.02 min

Lab File: BF096827.D

Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	11.4	10.2	15.2





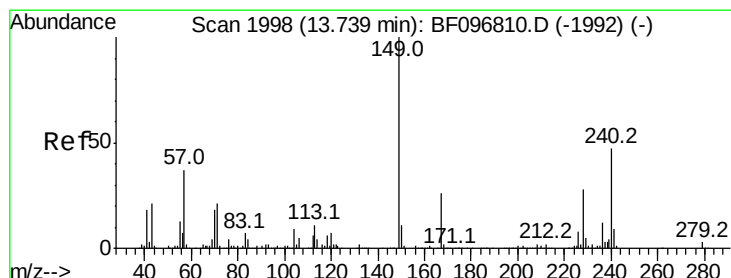
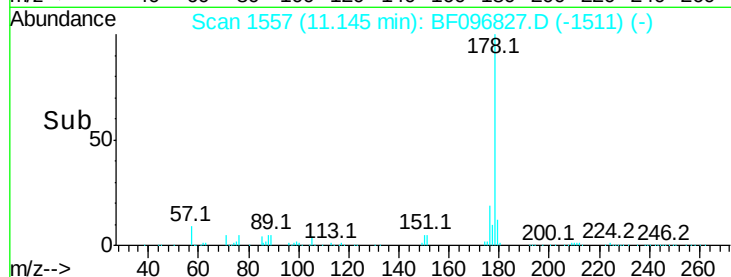
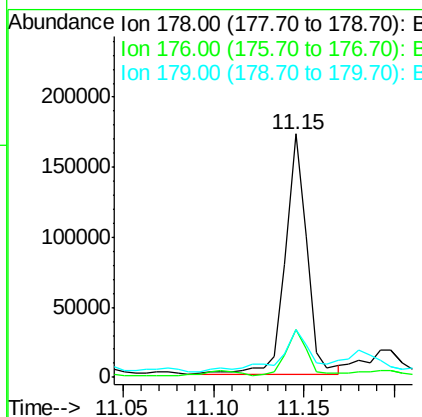
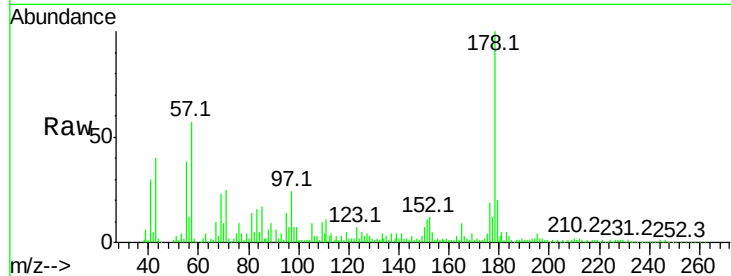
#70
Phenanthrene
Concen: 15.765 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.03 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Instrument :
BNA_F
ClientSampleId :
NB-SB02B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	19.5	12.6	19.0

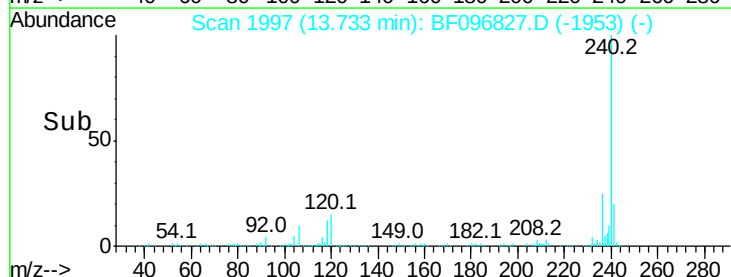
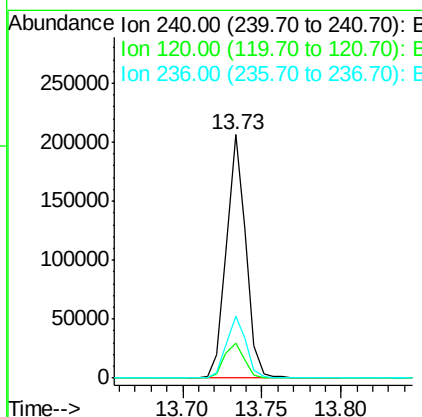
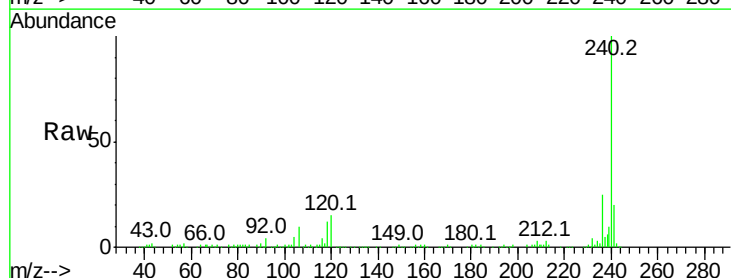
Manual Integrations
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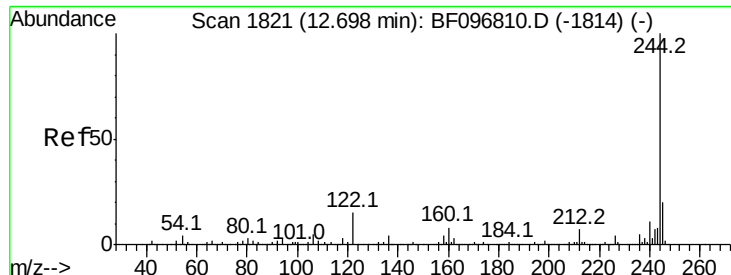
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.73 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF096827.D
Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8
236	25.5	20.5	30.7





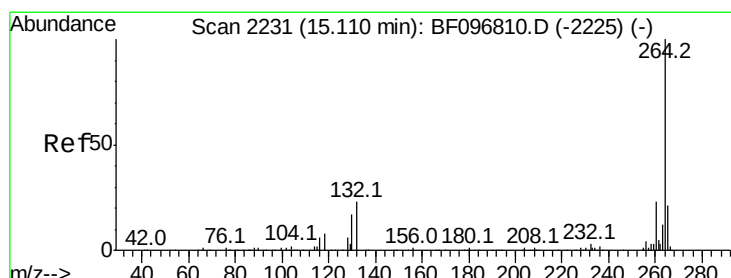
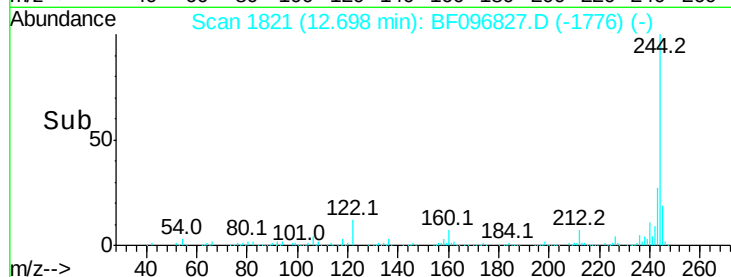
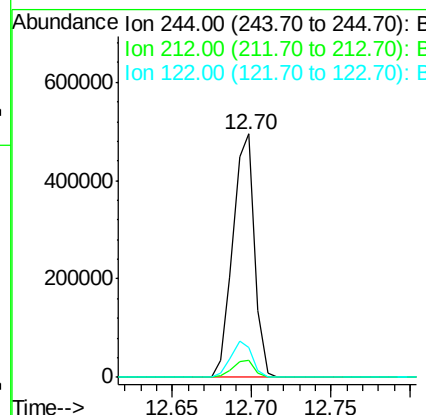
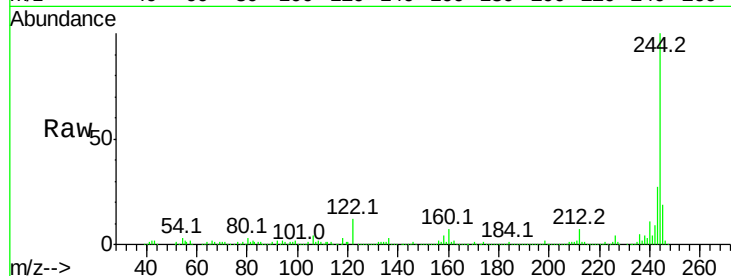
#78
 Terphenyl-d14
 Concen: 46.721 ng
 RT: 12.70 min Scan# 1821
 Delta R.T. -0.04 min
 Lab File: BF096827.D
 Acq: 17 Jul 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB02B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	12.2	10.3	15.5

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.11 min Scan# 2231
 Delta R.T. -0.05 min
 Lab File: BF096827.D
 Acq: 17 Jul 2017 18:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.5	17.2	25.8

