

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091241.D
 Acq On : 18 Nov 2016 19:01
 Operator : UM/SJ
 Sample : H5711-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1051-410-NEWYORK

Manual Integrations
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Quant Time: Nov 21 02:46:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 18 22:22:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	140743	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	435820	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	120811	20.00	ng	0.02
63) Phenanthrene-d10	11.16	188	296994	20.00	ng	0.03
75) Chrysene-d12	13.77	240	434333	20.00	ng	0.00
86) Perylene-d12	15.13	264	359707	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	885735	103.94	ng	0.01
7) Phenol-d6	6.27	99	1103742	95.42	ng	0.00
23) Nitrobenzene-d5	7.18	82	798953	100.00	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	191530	175.36	ng	0.03
44) 2-Fluorobiphenyl	9.00	172	796948	113.57	ng	0.02
78) Terphenyl-d14	12.73	244	1061955	61.01	ng	0.01
Target Compounds						
10) Phenol	6.28	94	70171	5.48	ng	# 61
31) Naphthalene	7.93	128	649408	31.16	ng	# 89
37) 2-Methylnaphthalene	8.64	142	1169567	87.29	ng	99
45) 1,1'-Biphenyl	9.10	154	283164	32.10	ng	94
57) Fluorene	10.22	166	266946	37.02	ng	# 71
70) Phenanthrene	11.18	178	597463	37.84	ng	# 92
74) Fluoranthene	12.36	202	34770m	2.12	ng	
77) Pyrene	12.58	202	144360	5.08	ng	# 89

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

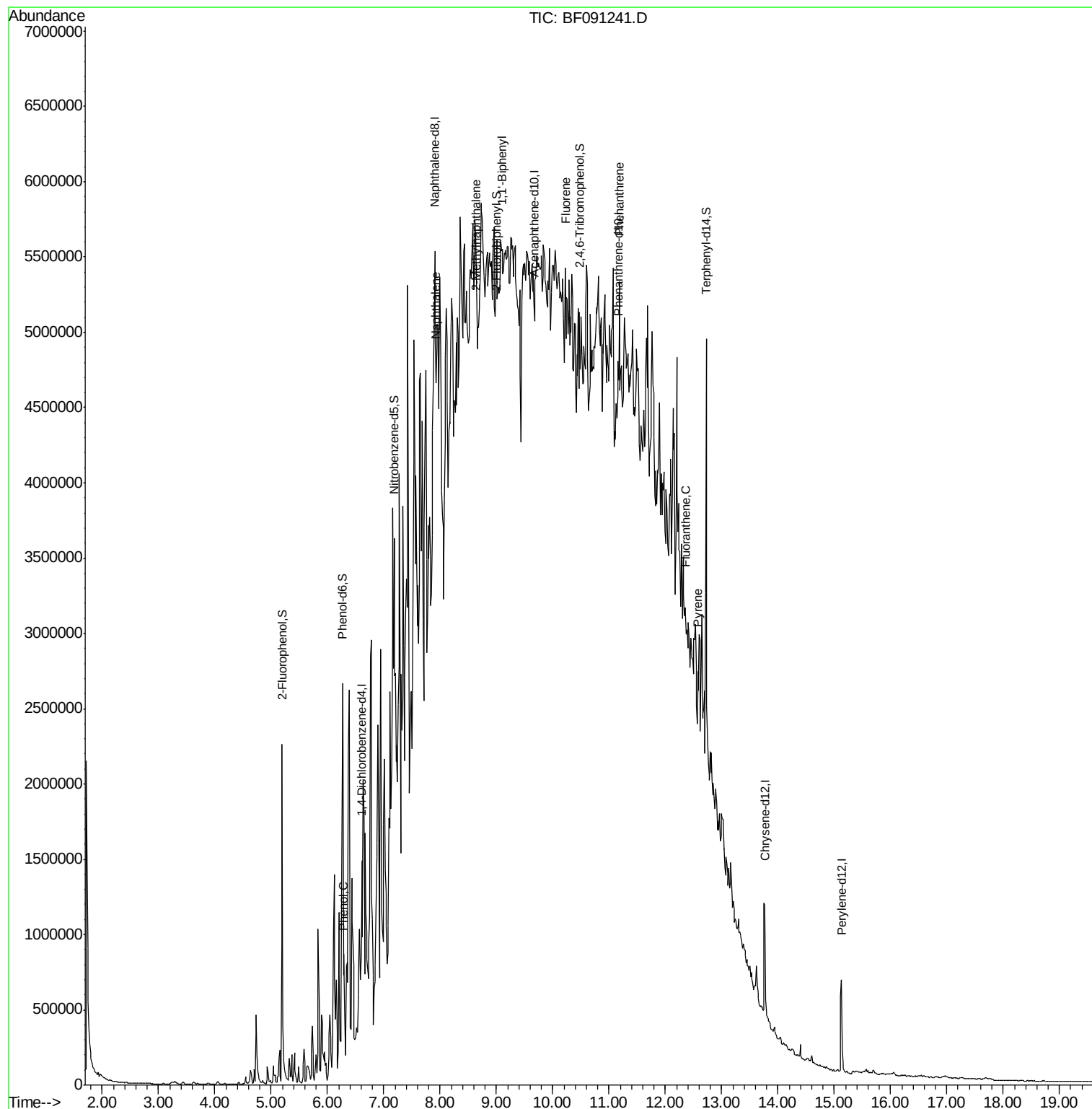
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
Data File : BF091241.D
Acq On : 18 Nov 2016 19:01
Operator : UM/SJ
Sample : H5711-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

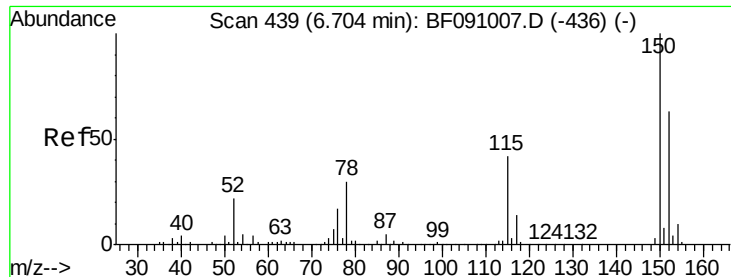
Instrument :
BNA_F
ClientSampleId :
1051-410-NEWYORK

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Quant Time: Nov 21 02:46:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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Response via : Initial Calibration

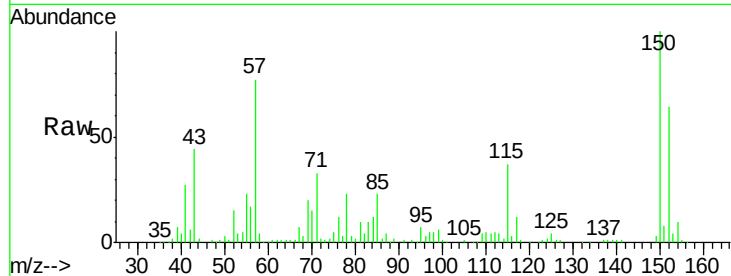




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 431
Delta R.T. 0.00 min
Lab File: BF091241.D
Acq: 18 Nov 2016 19:01

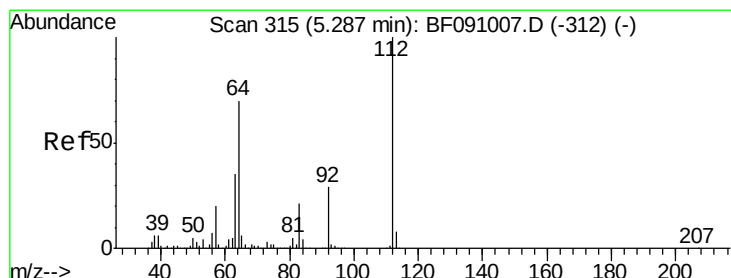
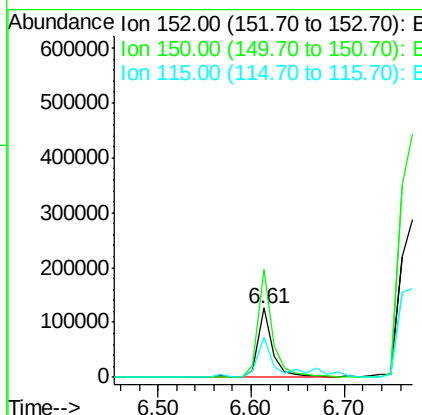
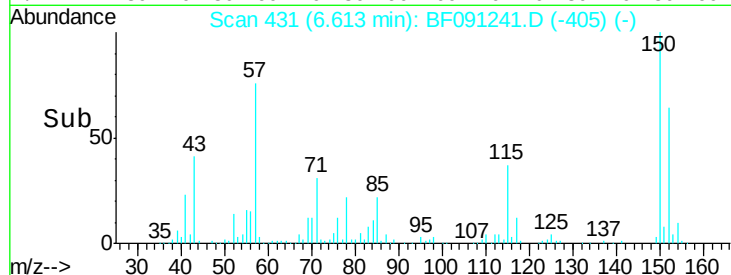
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.8	190.2
115	57.4	53.3	79.9

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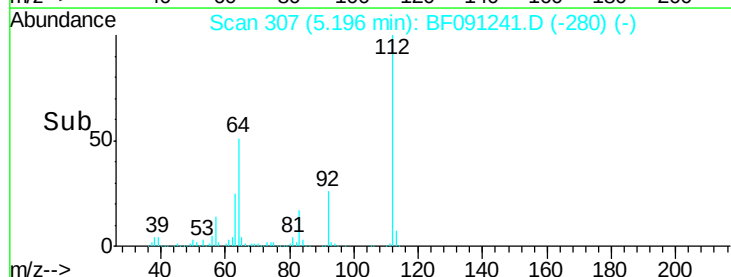
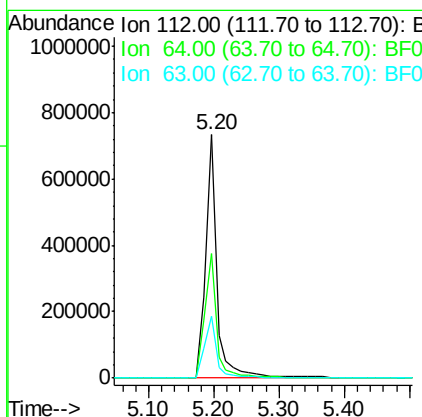
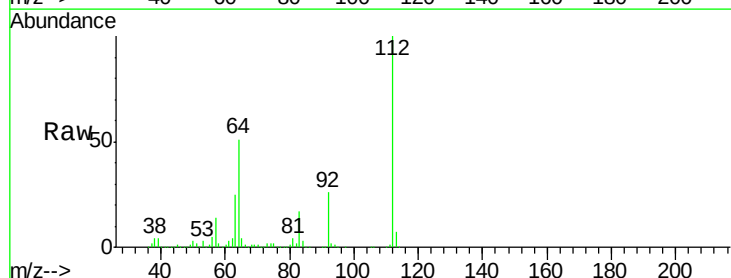
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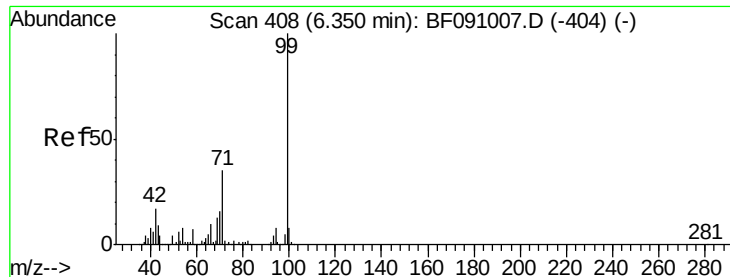


#5

2-Fluorophenol
Concen: 103.94 ng
RT: 5.20 min Scan# 307
Delta R.T. 0.01 min
Lab File: BF091241.D
Acq: 18 Nov 2016 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	55.8	83.6#
63	25.3	28.0	42.0#





#7

Phenol-d6

Concen: 95.42 ng

RT: 6.27 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

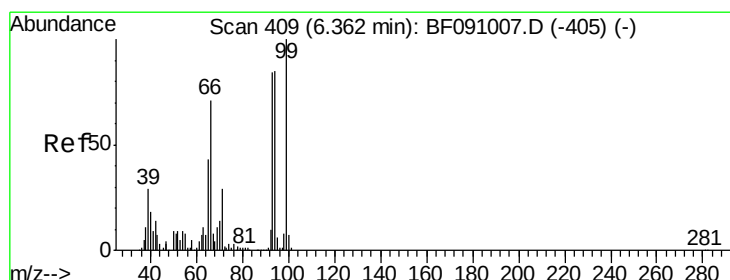
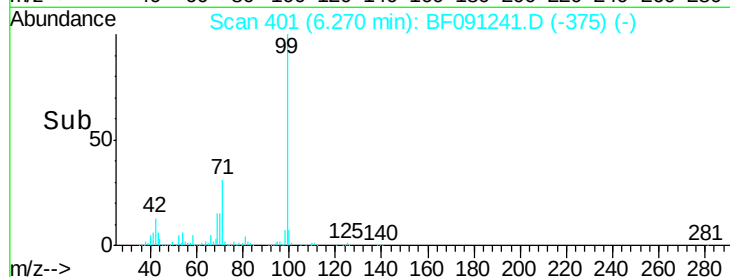
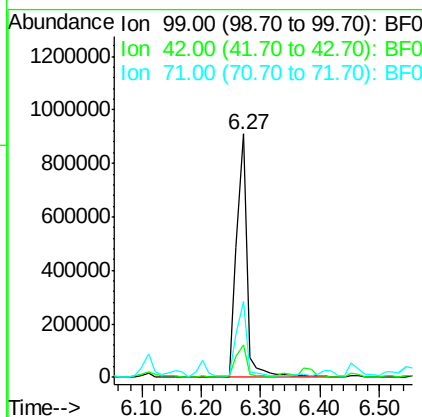
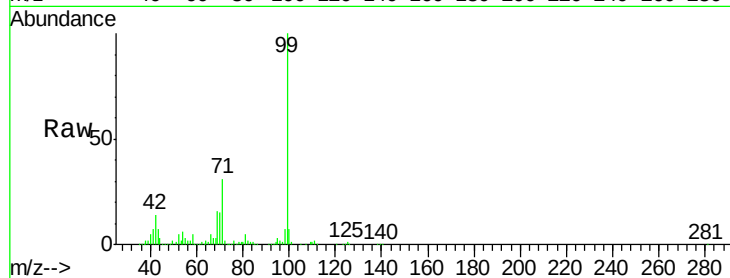
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Tgt Ion: 99 Resp: 1103742

Ion	Ratio	Lower	Upper
99	100		
42	13.5	13.9	20.9#
71	31.1	27.8	41.8

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#10

Phenol

Concen: 5.48 ng

RT: 6.28 min Scan# 402

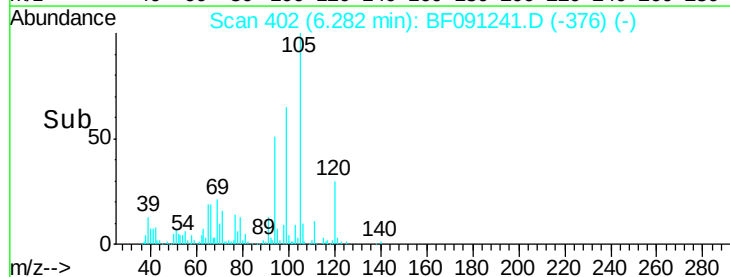
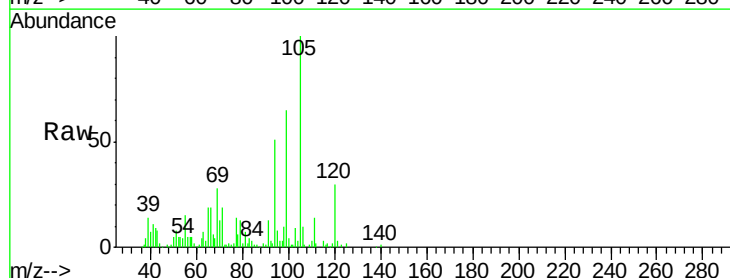
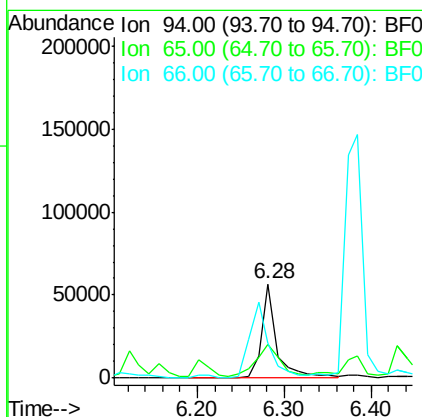
Delta R.T. 0.00 min

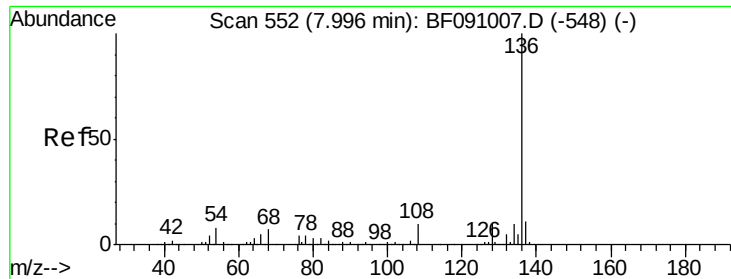
Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Tgt Ion: 94 Resp: 70171

Ion	Ratio	Lower	Upper
94	100		
65	36.3	30.4	70.4
66	37.3	62.9	102.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 136 Resp: 435820
Ion Ratio Lower Upper

136 100

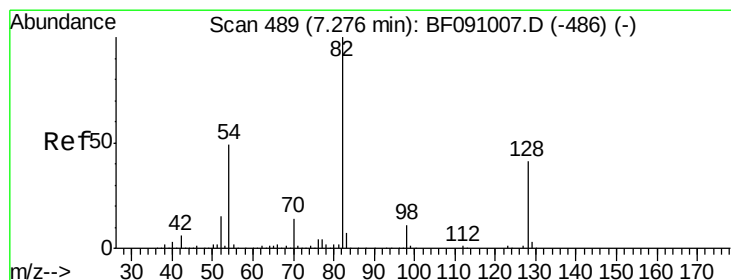
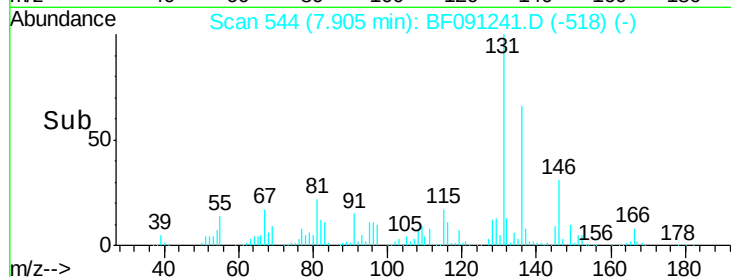
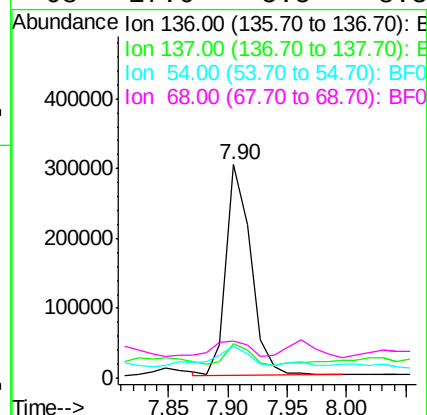
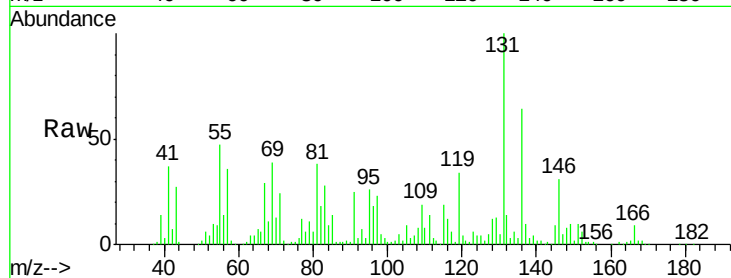
137 16.4 8.9 13.3#

54 14.9 6.2 9.2#

68 17.6 5.5 8.3#

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#23

Nitrobenzene-d5

Concen: 100.00 ng

RT: 7.18 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF091241.D

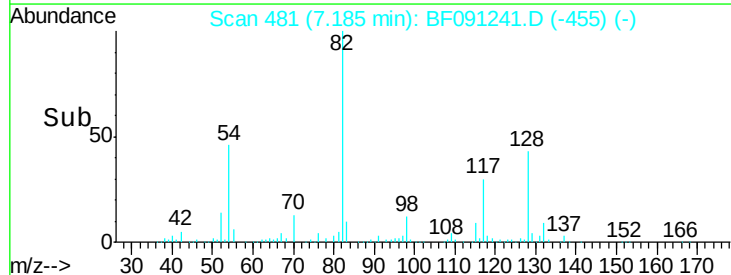
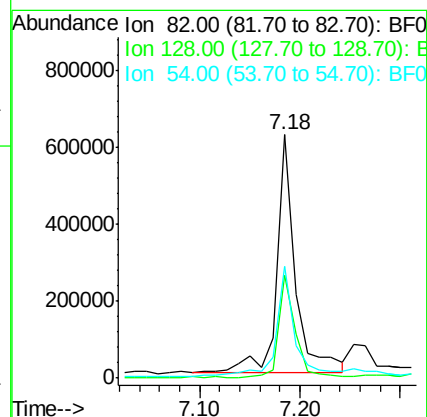
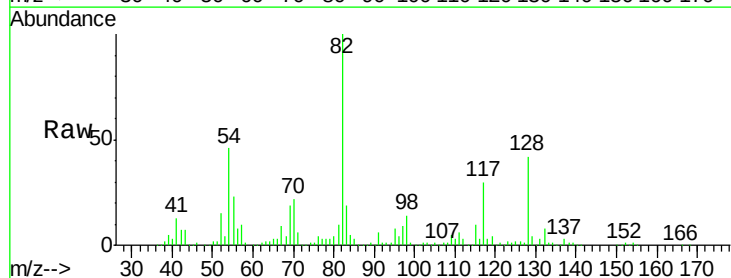
Acq: 18 Nov 2016 19:01

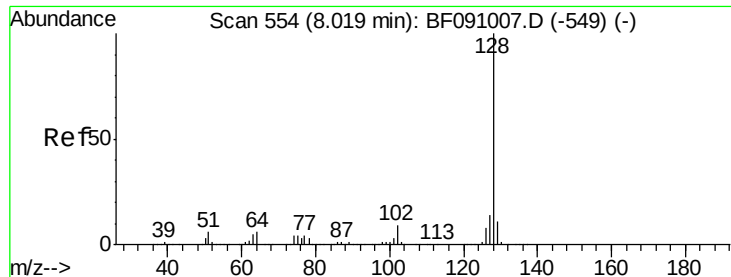
Tgt Ion: 82 Resp: 798953
Ion Ratio Lower Upper

82 100

128 42.3 32.4 48.6

54 45.9 39.2 58.8





#31

Naphthalene

Concen: 31.16 ng

RT: 7.93 min Scan# 546

Delta R.T. 0.01 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

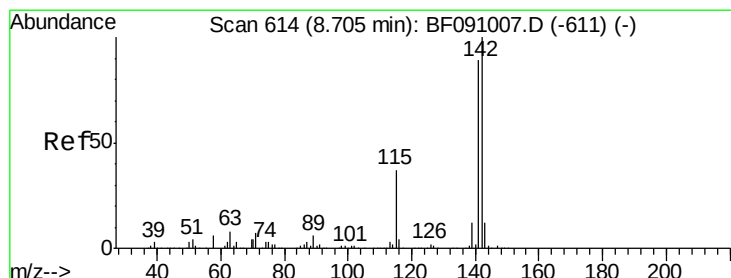
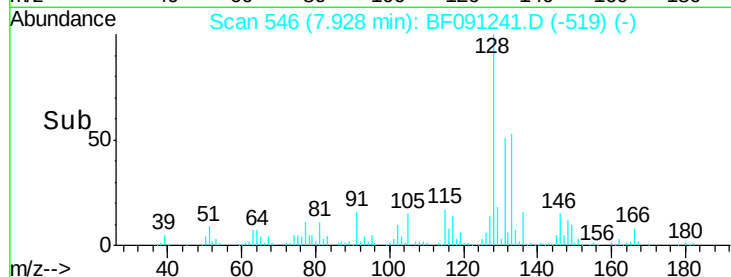
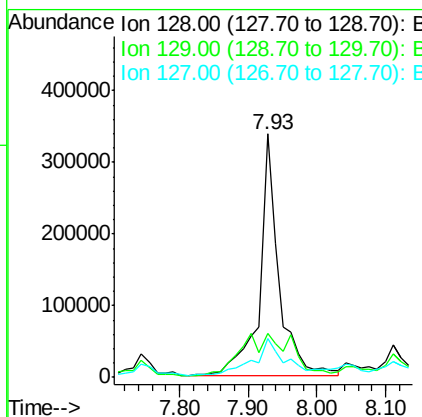
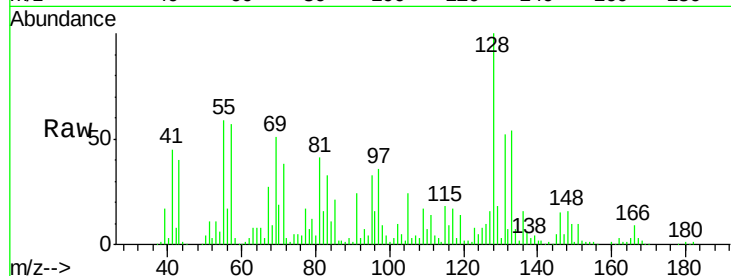
ClientSampleId :

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Tgt Ion:	128	Resp:	649408
Ion Ratio		Lower	Upper
128	100		
129	17.8	9.0	13.6#
127	16.0	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 87.29 ng

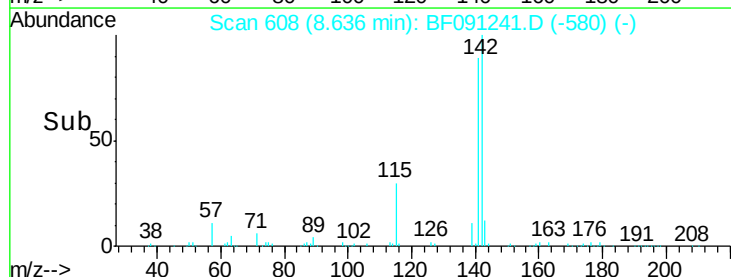
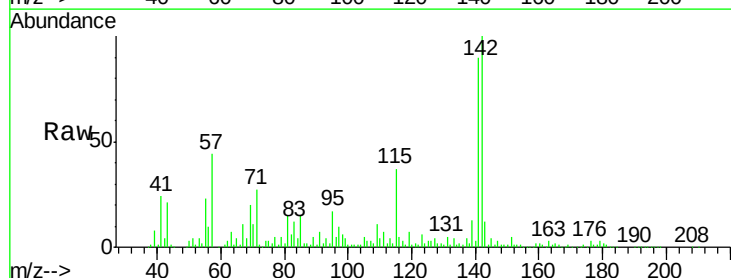
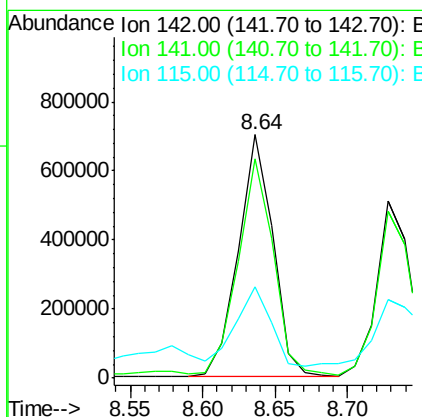
RT: 8.64 min Scan# 608

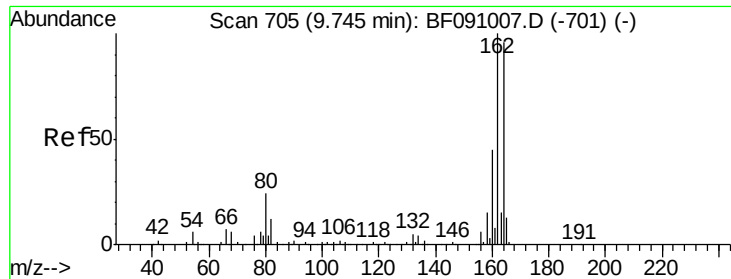
Delta R.T. 0.02 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Tgt Ion:	142	Resp:	1169567
Ion Ratio		Lower	Upper
142	100		
141	89.9	71.3	106.9
115	37.4	29.9	44.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF091241.D

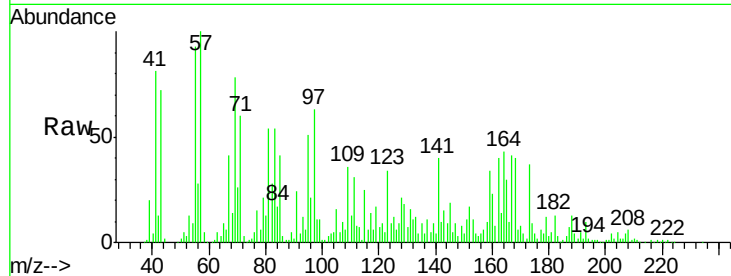
Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

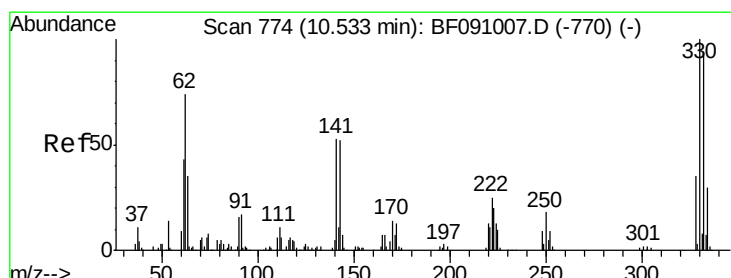
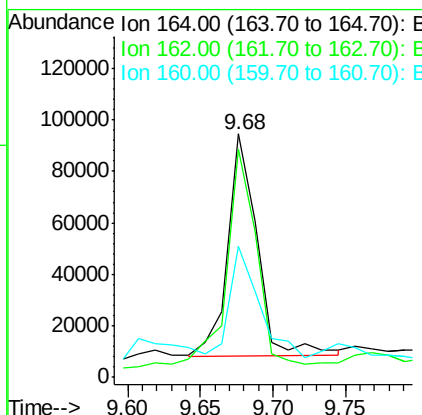
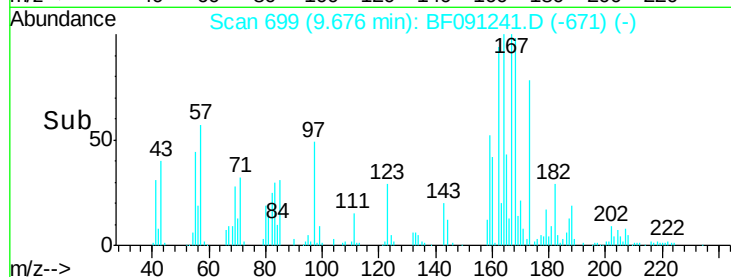
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120811		
162	94.0	83.6	125.4	
160	53.7	37.9	56.9	

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#41

2,4,6-Tribromophenol

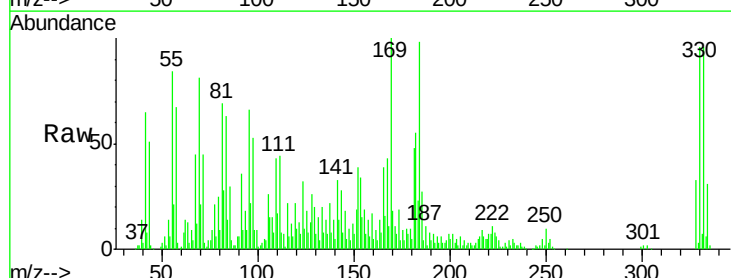
Concen: 175.36 ng

RT: 10.48 min Scan# 769

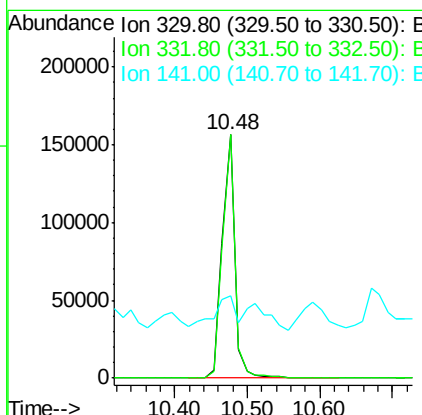
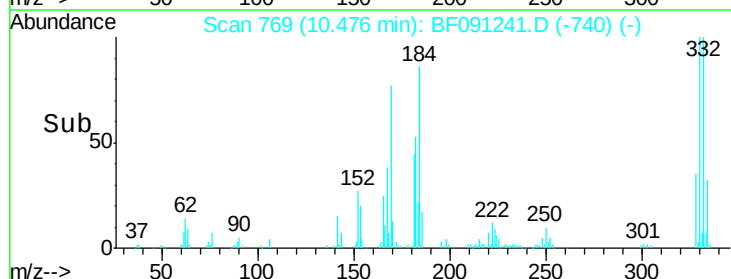
Delta R.T. 0.03 min

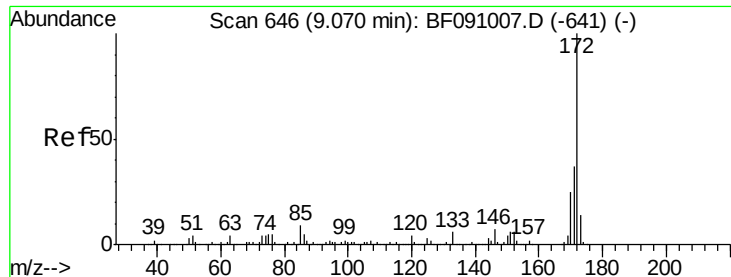
Lab File: BF091241.D

Acq: 18 Nov 2016 19:01



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	191530		
332	98.4	75.9	113.9	
141	18.5	36.1	54.1#	





#44

2-Fluorobiphenyl

Concen: 113.57 ng

RT: 9.00 min Scan# 640

Delta R.T. 0.02 min

Lab File: BF091241.D

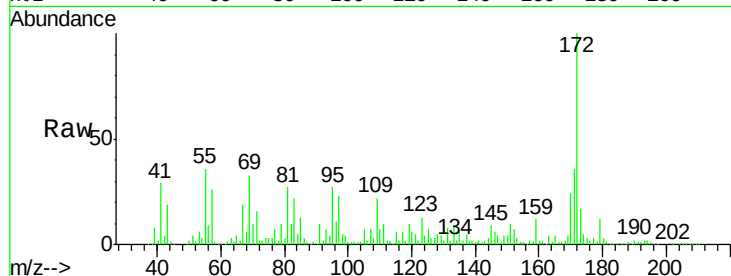
Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

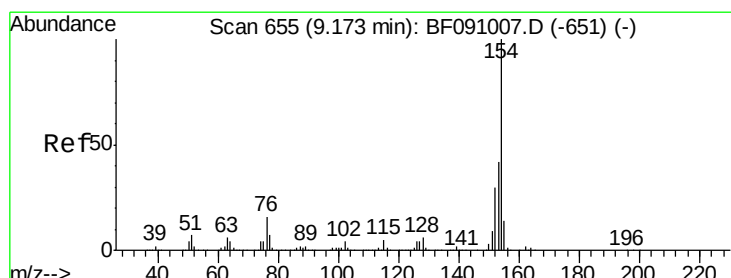
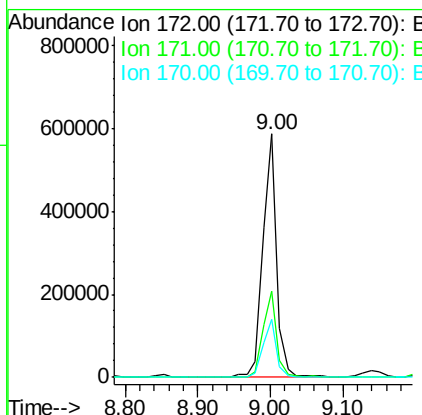
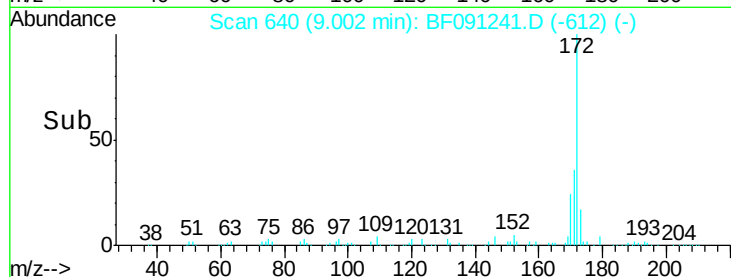
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Tgt Ion:	172	Resp:	796948
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.8	44.6
170	23.7	20.3	30.5

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#45

1,1'-Biphenyl

Concen: 32.10 ng

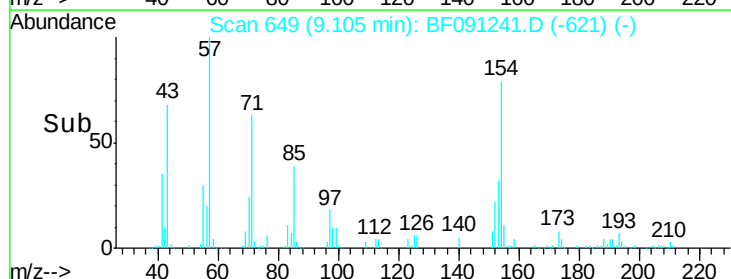
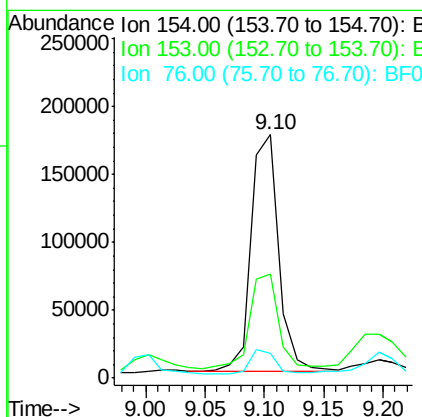
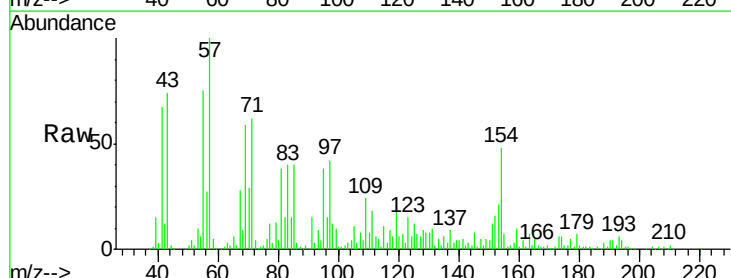
RT: 9.10 min Scan# 649

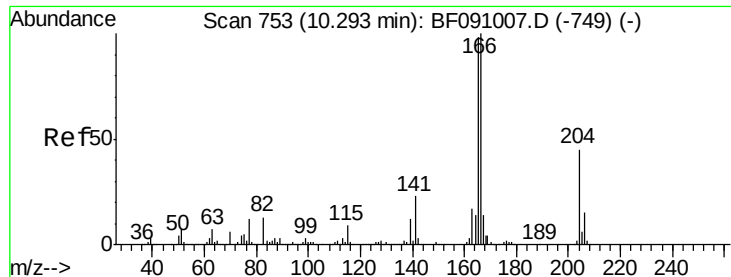
Delta R.T. 0.02 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Tgt Ion:	154	Resp:	283164
Ion Ratio	Lower	Upper	
154	100		
153	42.9	21.6	61.6
76	9.9	0.0	36.2





#57

Fluorene

Concen: 37.02 ng

RT: 10.22 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORK

Tgt Ion:166 Resp: 266946
Ion Ratio Lower Upper

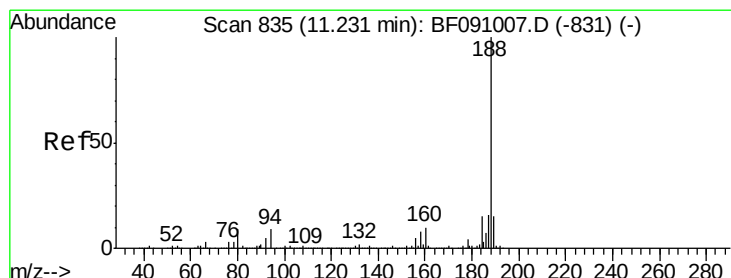
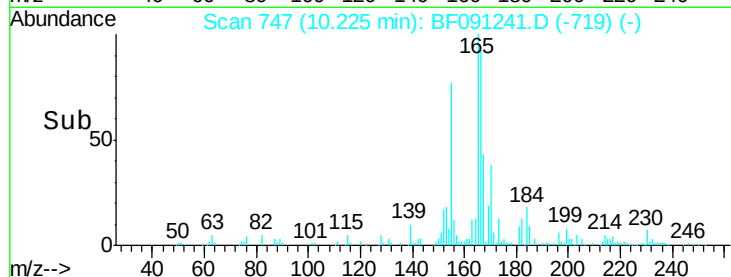
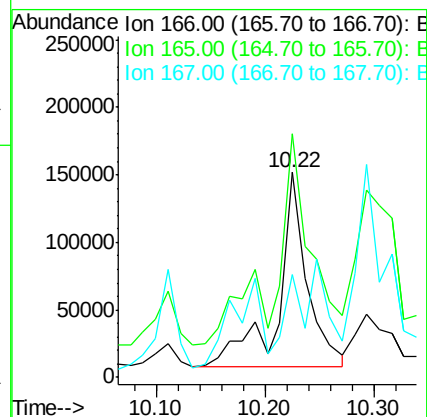
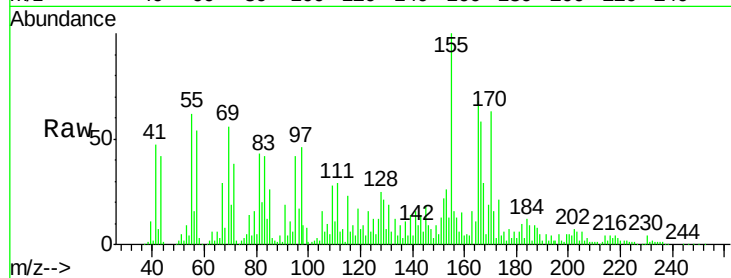
166 100

165 118.8 78.6 118.0#

167 50.0 11.1 16.7#

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 829

Delta R.T. 0.03 min

Lab File: BF091241.D

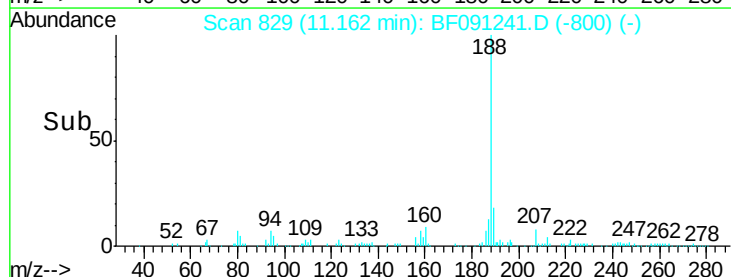
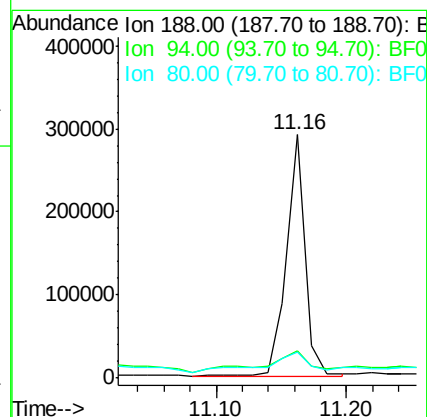
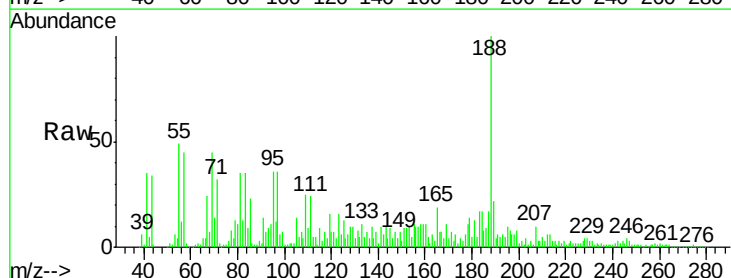
Acq: 18 Nov 2016 19:01

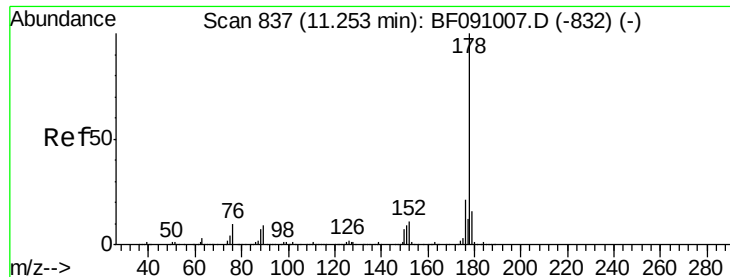
Tgt Ion:188 Resp: 296994
Ion Ratio Lower Upper

188 100

94 11.0 7.0 10.4#

80 10.8 7.5 11.3





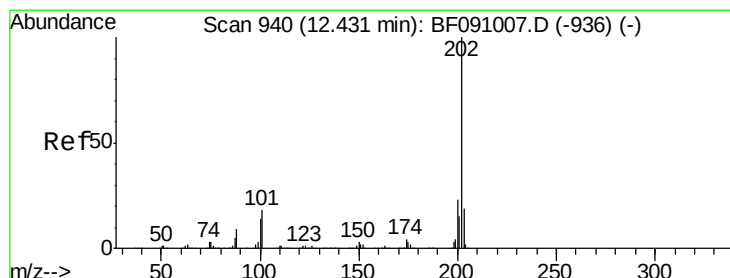
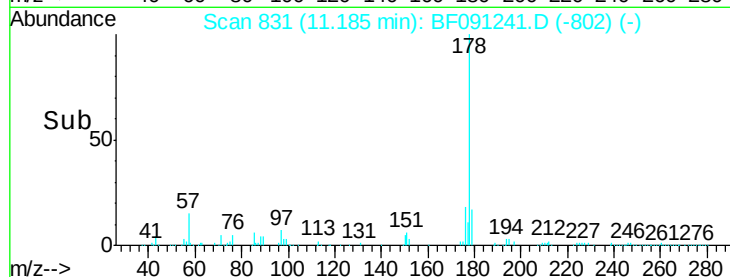
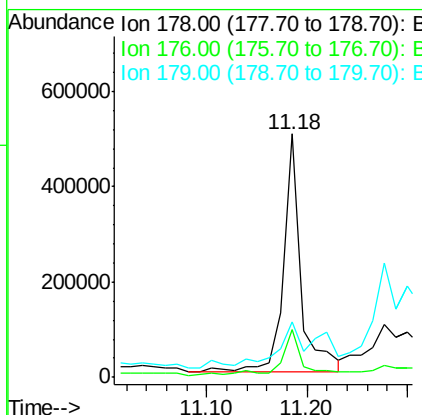
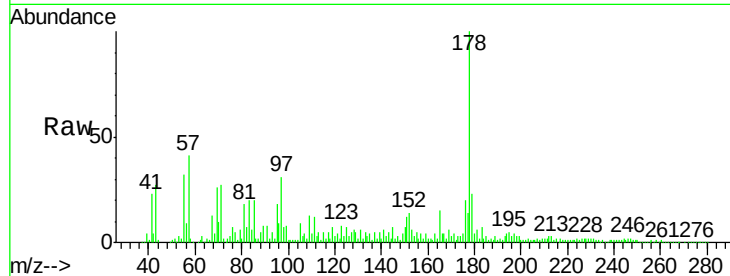
#70
Phenanthrene
Concen: 37.84 ng
RT: 11.18 min Scan# 831
Delta R.T. 0.03 min
Lab File: BF091241.D
Acq: 18 Nov 2016 19:01

Instrument :
BNA_F
ClientSampleId :
1051-410-NEWYORK

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	22.9	12.9	19.3

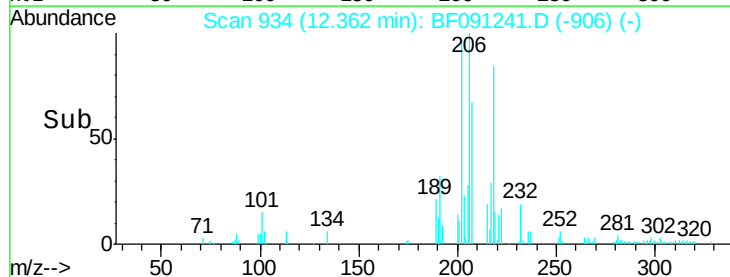
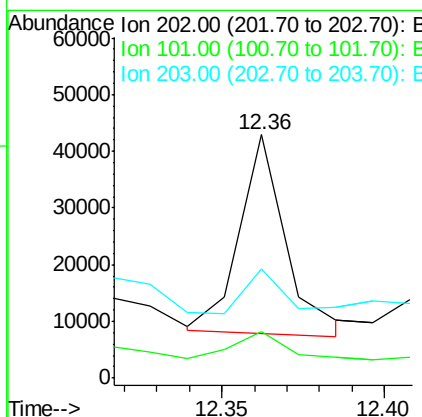
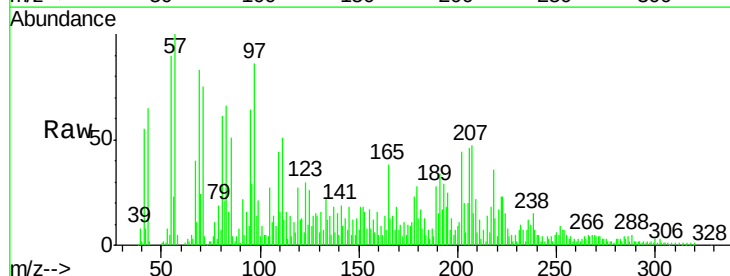
Manual Integrations
APPROVED

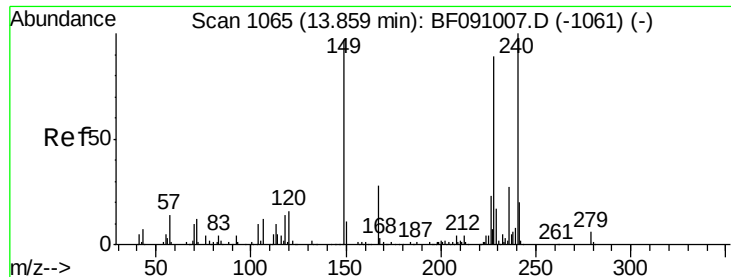
sohil
11/21/2016 3:39:32 PM



#74
Fluoranthene
Concen: 2.12 ng m
RT: 12.36 min Scan# 934
Delta R.T. 0.02 min
Lab File: BF091241.D
Acq: 18 Nov 2016 19:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.3	0.0	37.6
203	45.0	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

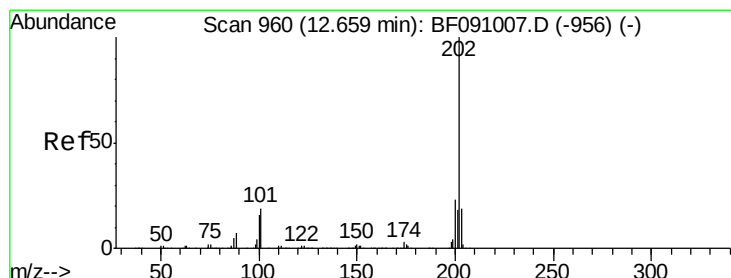
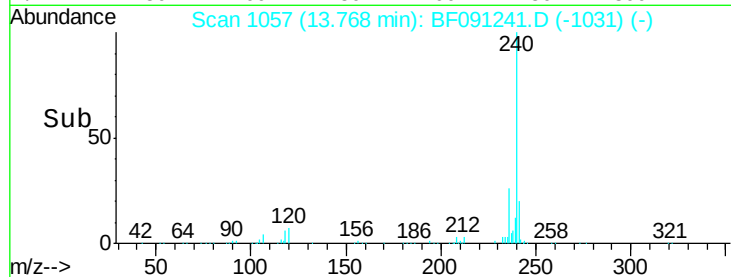
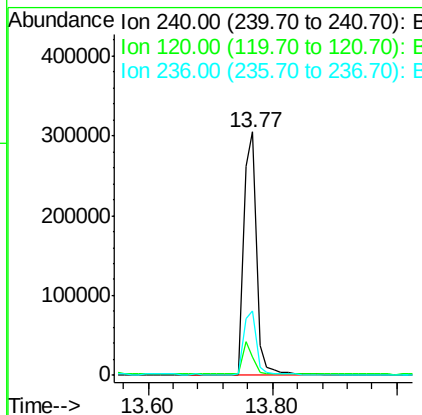
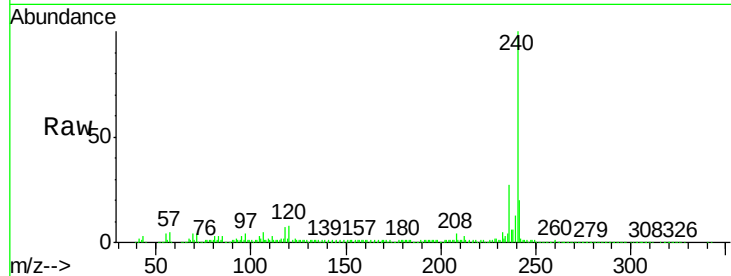
ClientSampleId :

1051-410-NEWYORK

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	434333		
120	7.6	12.9	19.3#	
236	26.7	21.9	32.9	

Manual Integrations
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#77

Pyrene

Concen: 5.08 ng

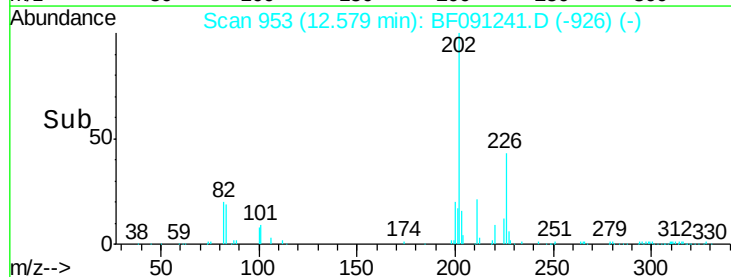
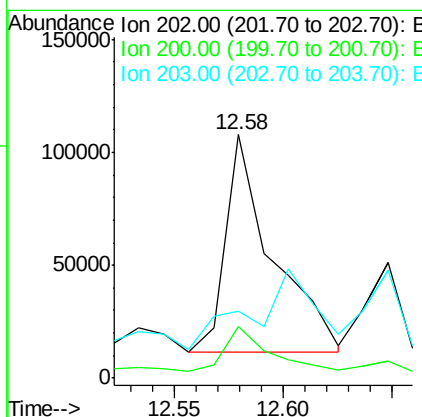
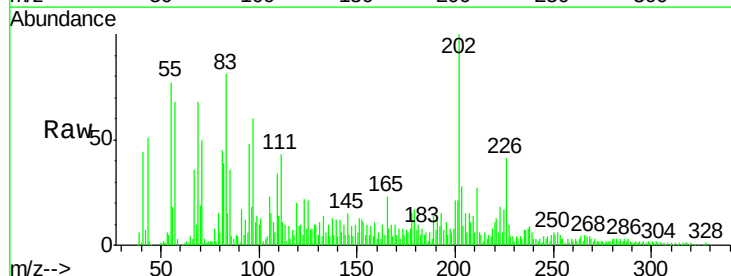
RT: 12.58 min Scan# 953

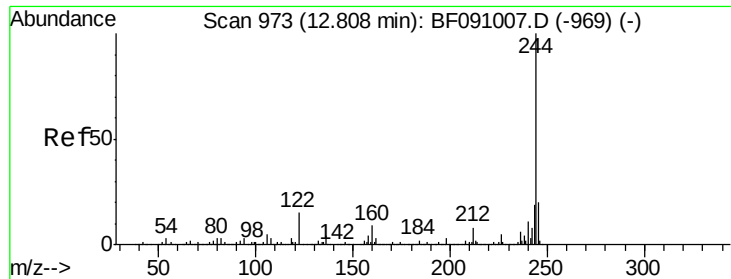
Delta R.T. 0.01 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	144360		
200	21.1	18.4	27.6	
203	27.8	15.0	22.6#	





#78

Terphenyl-d14

Concen: 61.01 ng

RT: 12.73 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Instrument :

BNA_F

ClientSampleId :

1051-410-NEWYORK

Tgt Ion:244 Resp: 1061955
Ion Ratio Lower Upper

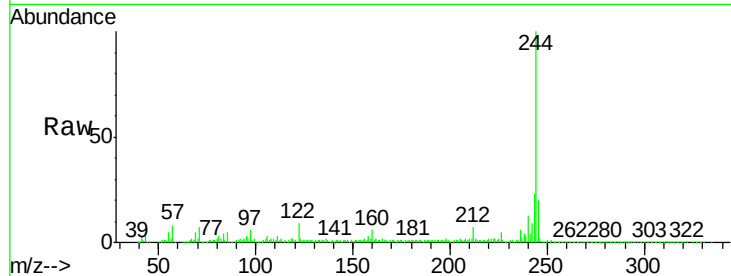
244 100

212 6.7 6.4 9.6

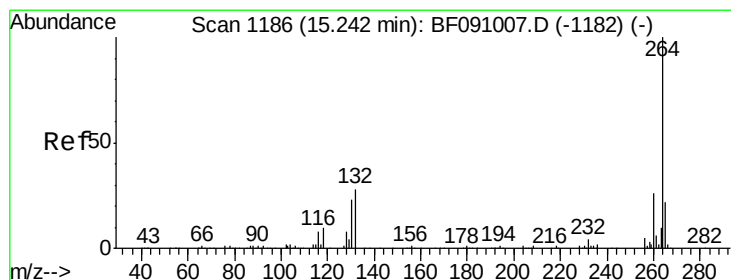
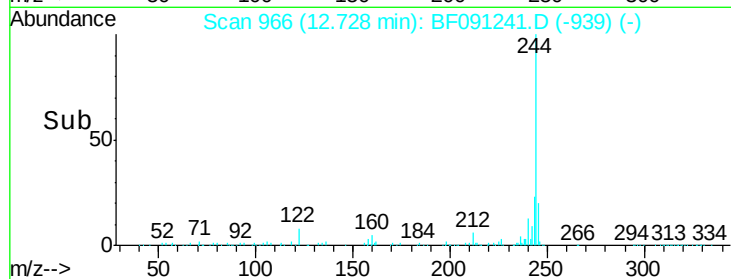
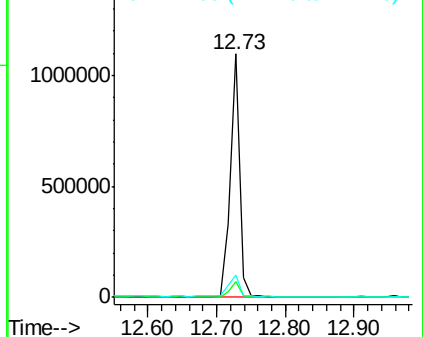
122 8.9 12.3 18.5#

Manual Integrations
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11/21/2016 3:39:32 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF091241.D

Acq: 18 Nov 2016 19:01

Tgt Ion:264 Resp: 359707
Ion Ratio Lower Upper

264 100

260 24.4 20.6 30.8

265 21.3 17.8 26.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

