

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100796.D
 Acq On : 21 Nov 2017 22:21
 Operator : SJ/JU
 Sample : I6499-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-3-E(4-5)

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:34 PM

Quant Time: Nov 22 06:58:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	86247	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	333643	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	139469	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	223374	20.00	ng	0.00
75) Chrysene-d12	14.04	240	183095	20.00	ng	0.00
86) Perylene-d12	15.52	264	171242	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	581358	108.05	ng	0.00
7) Phenol-d6	6.50	99	713911	107.60	ng	0.00
23) Nitrobenzene-d5	7.44	82	425842	84.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	147081	103.49	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	775931	84.72	ng	-0.01
78) Terphenyl-d14	12.98	244	526646	66.09	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	24014	3.448	ng	99
48) Acenaphthylene	9.77	152	50274	3.467	ng	99
49) Dimethylphthalate	9.62	163	77612	7.288	ng	98
70) Phenanthrene	11.42	178	276892	23.543	ng	96
71) Anthracene	11.47	178	61335	5.140	ng	98
74) Fluoranthene	12.61	202	501223	40.212	ng	97
77) Pyrene	12.84	202	453778	34.768	ng	99
80) Benzo(a)anthracene	14.03	228	311389	28.242	ng	95
82) Chrysene	14.06	228	268771	25.173	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	135042m	15.637	ng	
87) Benzo(b)fluoranthene	15.09	252	352798m	34.775	ng	
88) Benzo(k)fluoranthene	15.10	252	124214m	12.958	ng	
89) Benzo(a)pyrene	15.45	252	228544	25.411	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	36526m	4.966	ng	
91) Benzo(a,h,i)perylene	17.44	276	128319	17.822	ng	# 92

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

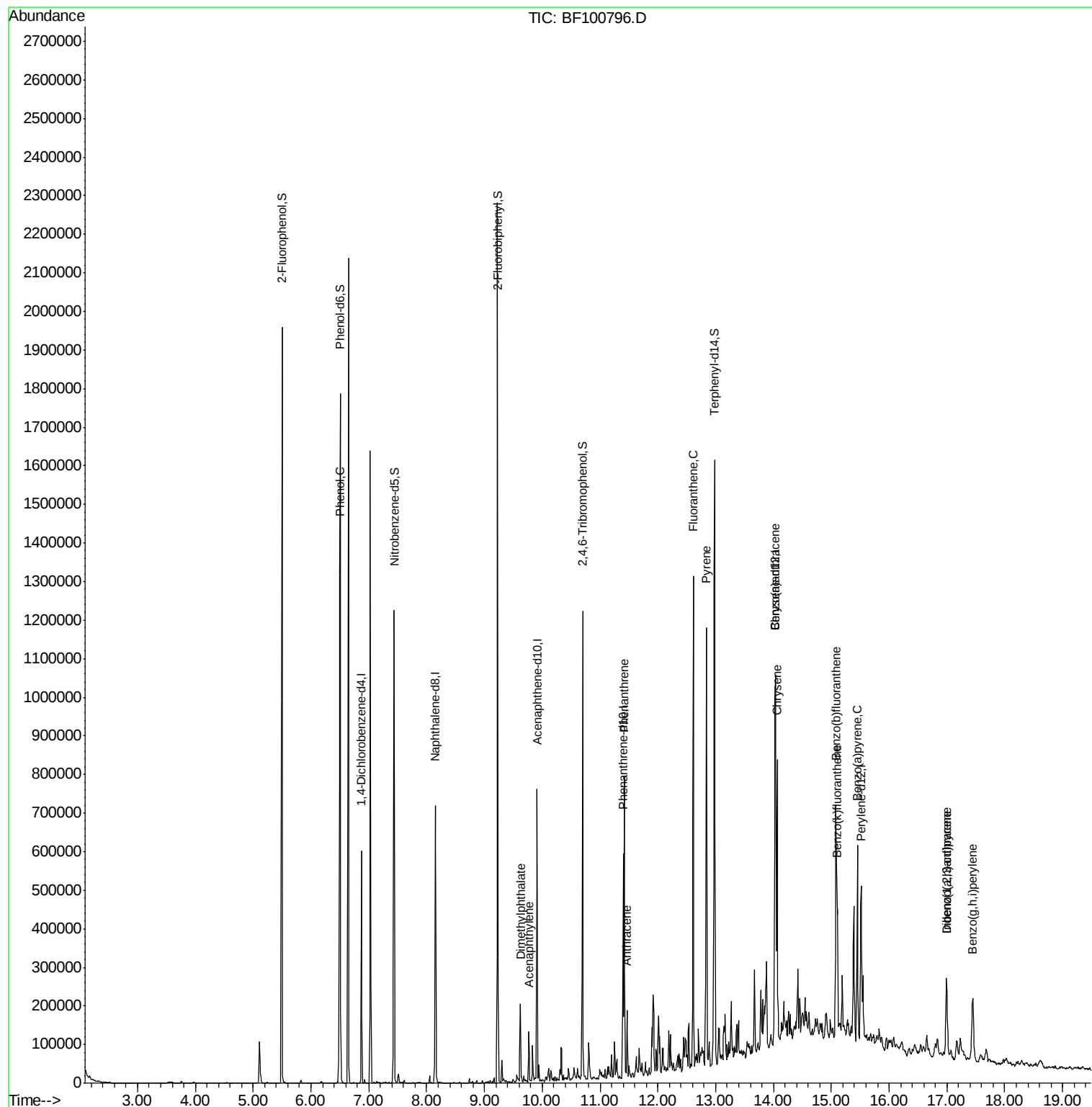
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#1

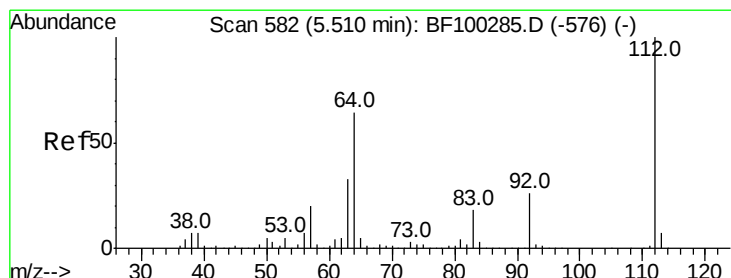
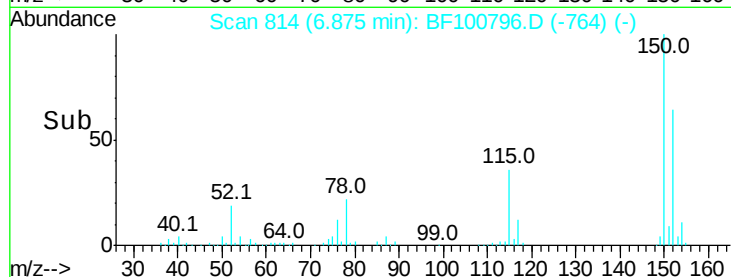
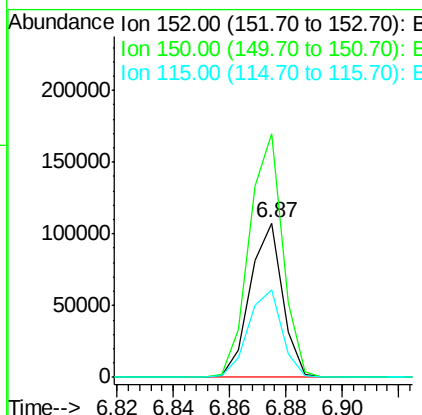
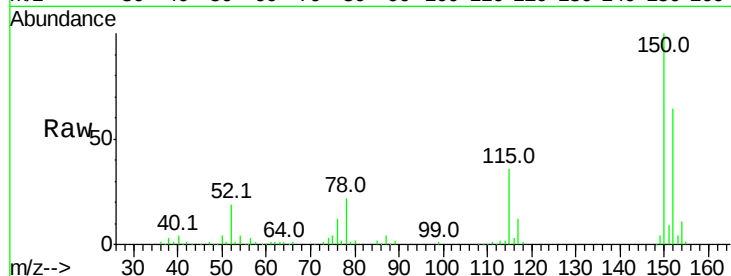
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampled :
PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	56.6	50.1	75.1

Manual Integrations
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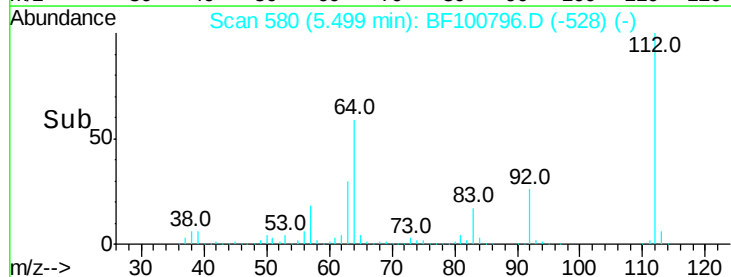
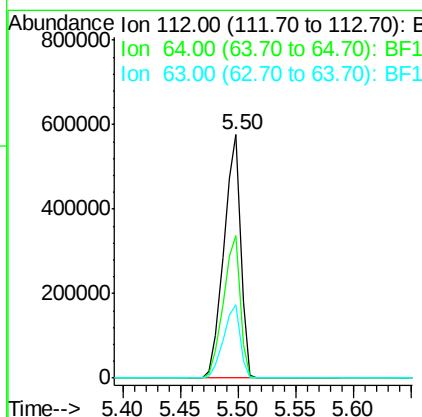
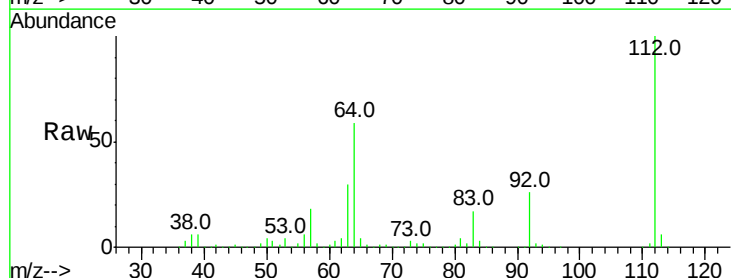
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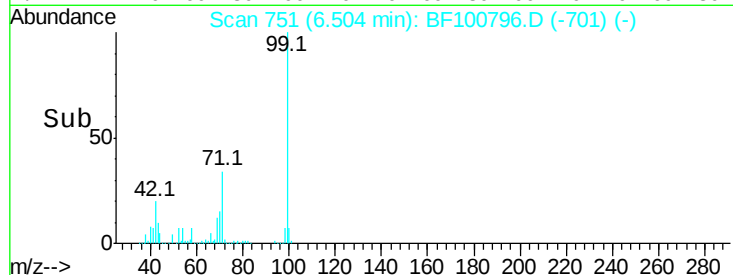
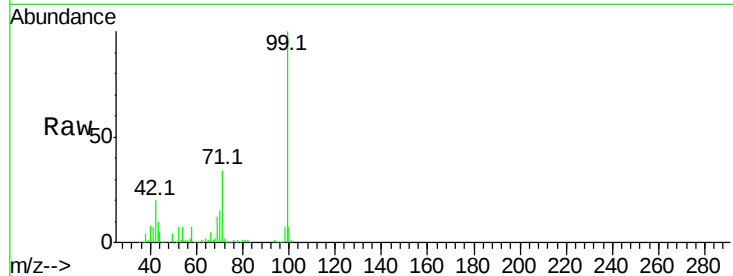


#5

2-Fluorophenol
Concen: 108.051 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 107.602 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Tot Ion:	99	Resp:	713911
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	33.7	25.4	38.0

Instrument :

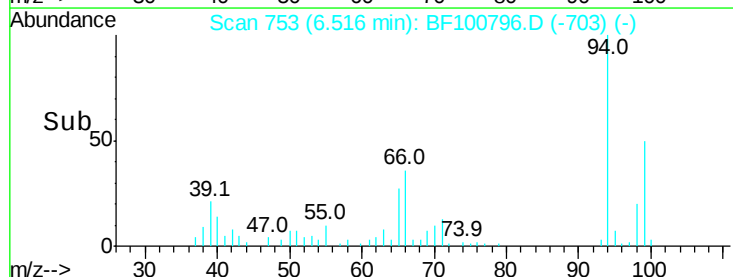
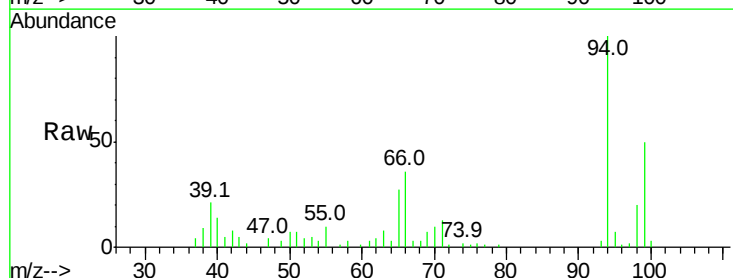
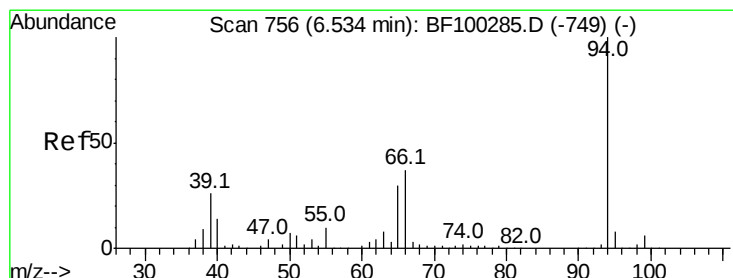
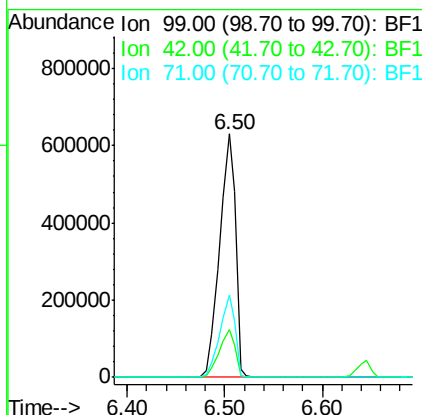
BNA_F

ClientSampleId :

PG1-3-E(4-5)

Manual Integrations
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#10

Phenol

Concen: 3.448 ng

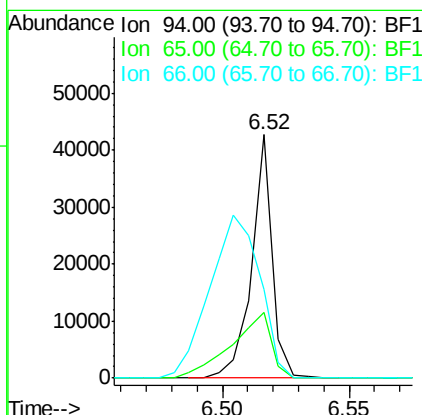
RT: 6.52 min Scan# 753

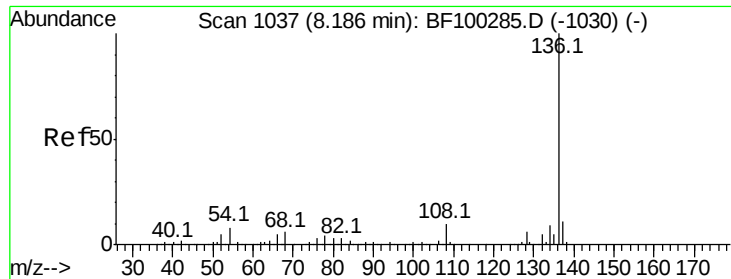
Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Tgt Ion:	94	Resp:	24014
Ion Ratio	Lower	Upper	
94	100		
65	26.7	7.9	47.9
66	36.3	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Instrument :

BNA_F

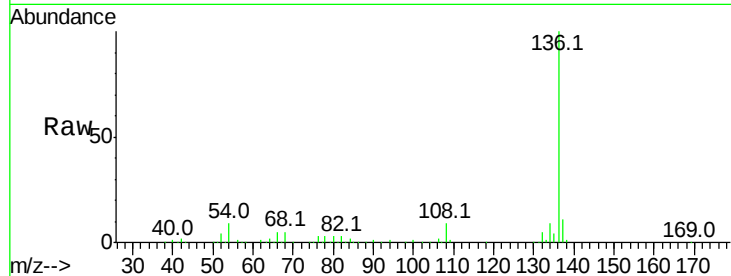
ClientSampleId :

PG1-3-E(4-5)

Tot Ion	136	Resp	333643
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.6	6.6	9.8
68	5.0	5.0	7.4

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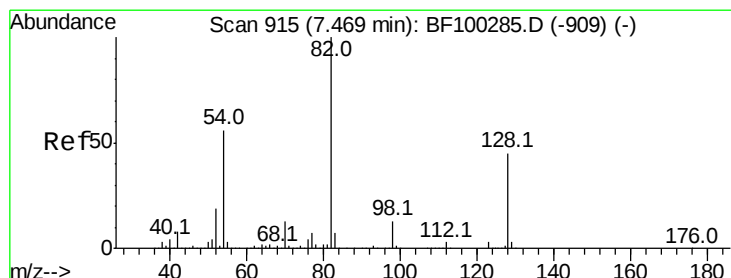
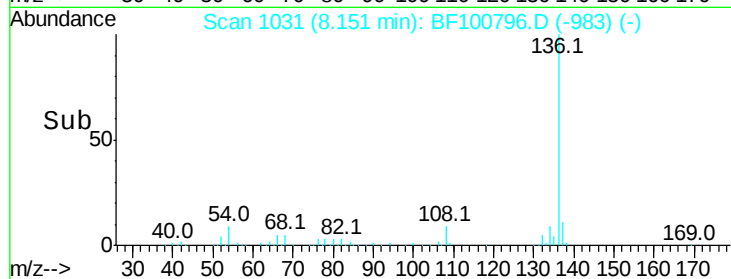
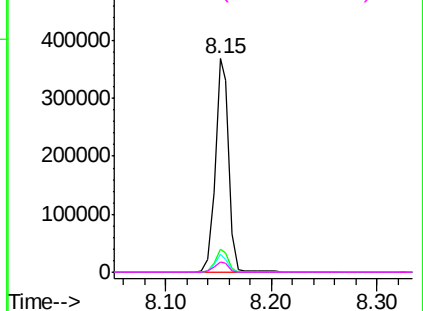


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 84.383 ng

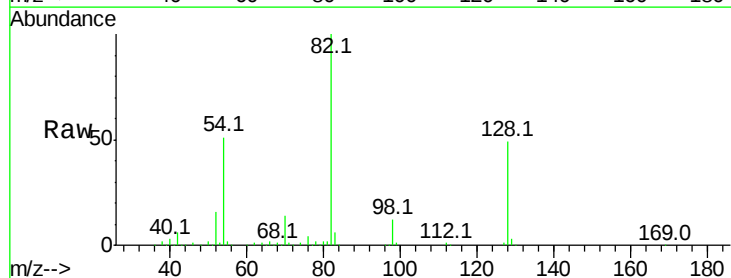
RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

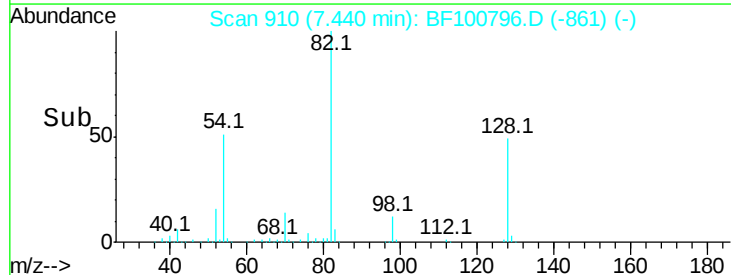
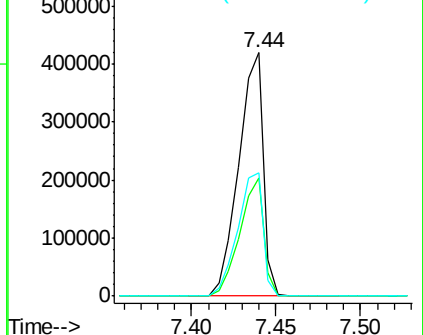
Tgt Ion	82	Resp	425842
Ion Ratio	Lower	Upper	
82	100		
128	48.7	36.1	54.1
54	50.8	41.4	62.2

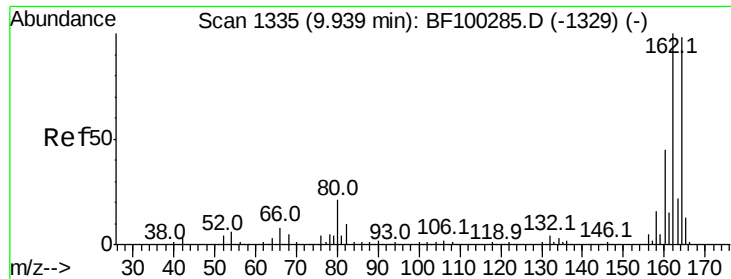


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





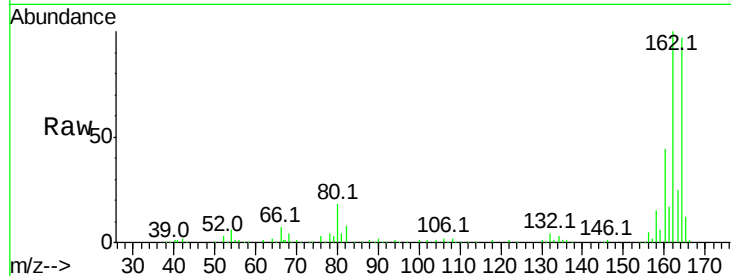
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampleId :
PG1-3-E(4-5)

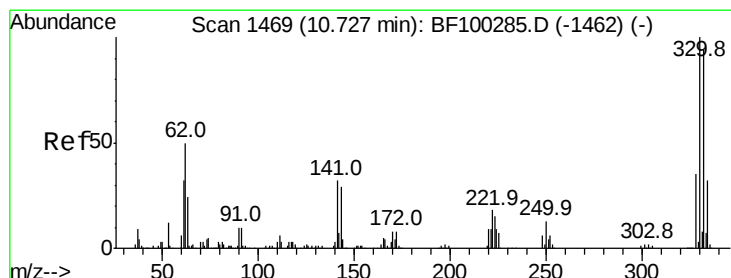
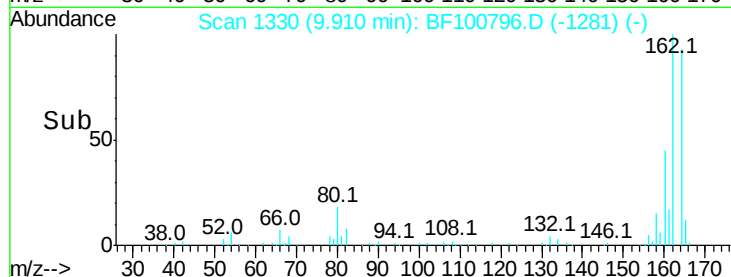
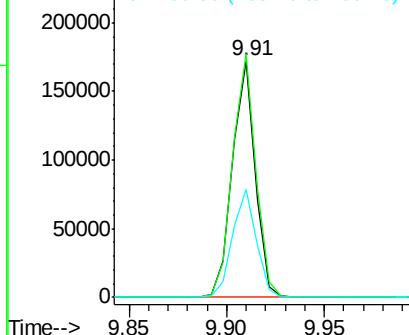
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.8	38.3	57.5

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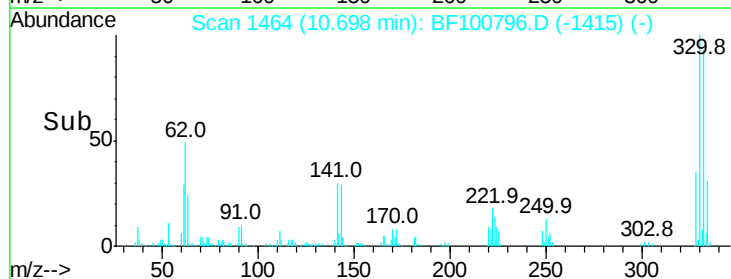
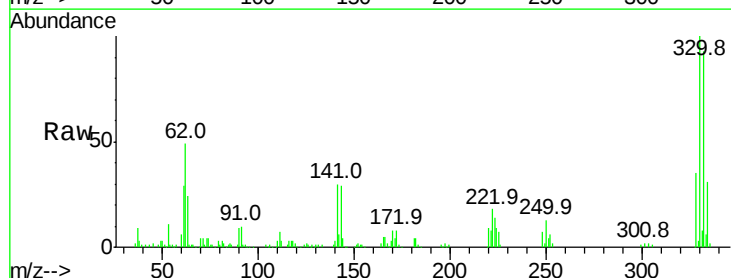
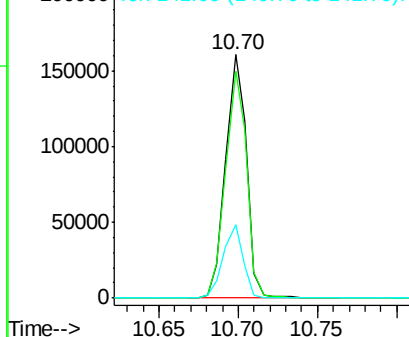
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

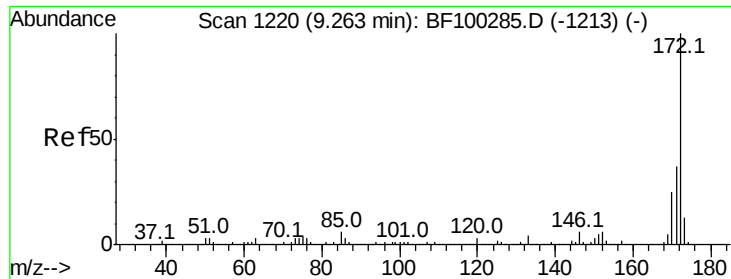


#41
2,4,6-Tribromophenol
Concen: 103.491 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	29.0	29.9	44.9#

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





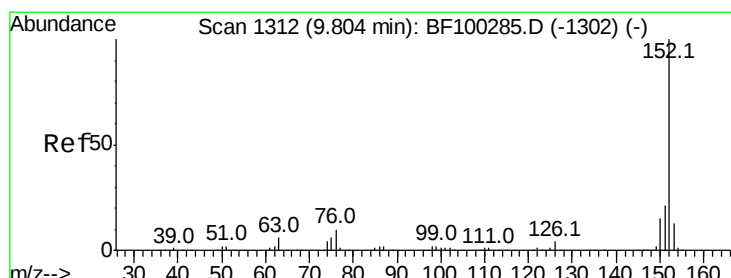
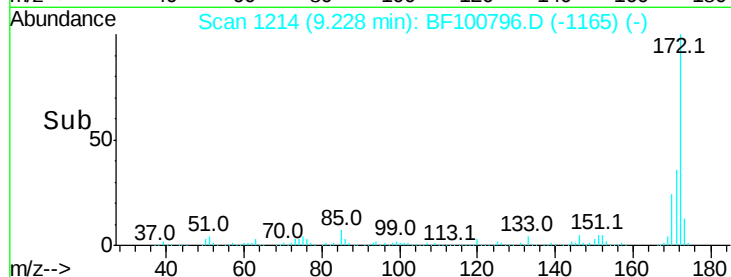
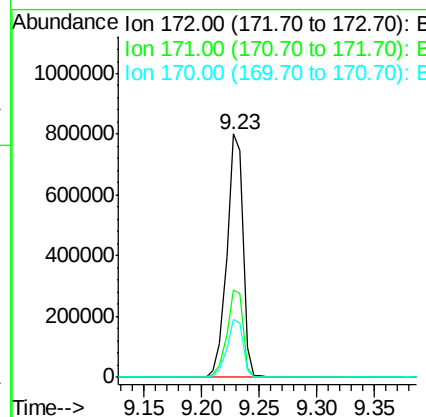
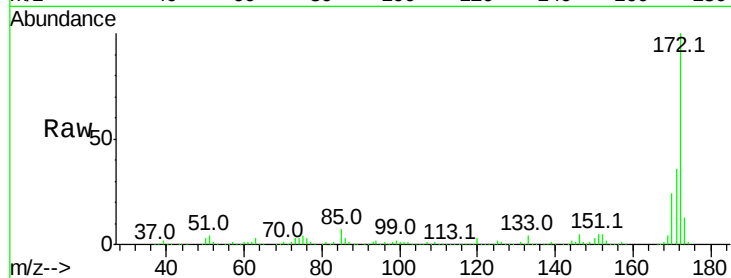
#44
 2-Fluorobiphenyl
 Concen: 84.716 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100796.D
 Acq: 21 Nov 2017 22:21

Instrument :
 BNA_F
 ClientSampleId :
 PG1-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	775931		
171	35.9		29.7	44.5
170	23.8		19.6	29.4

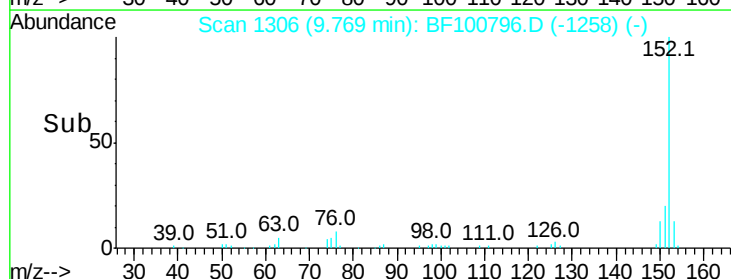
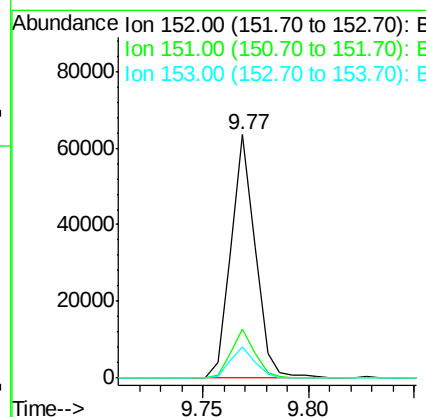
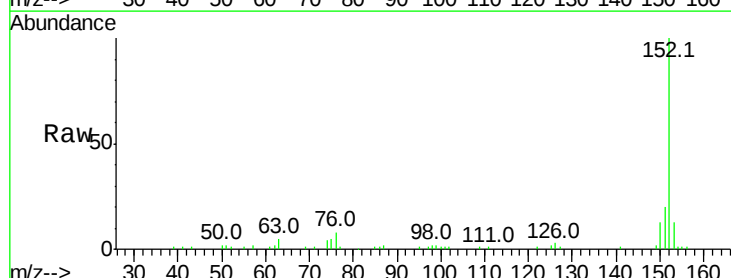
Manual Integrations
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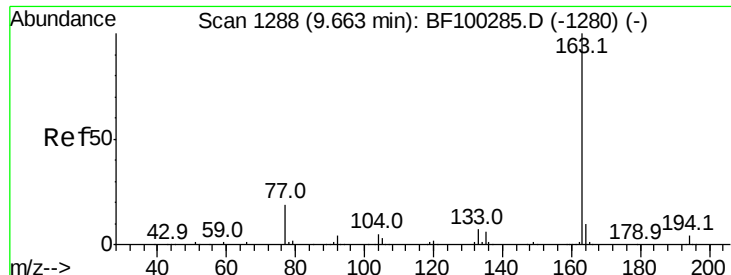
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#48
 Acenaphthylene
 Concen: 3.467 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF100796.D
 Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	50274		
151	19.9		16.3	24.5
153	13.0		10.7	16.1





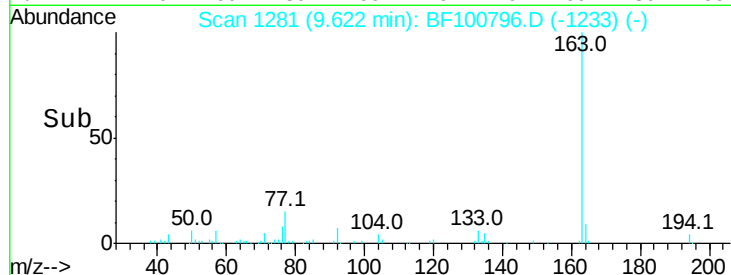
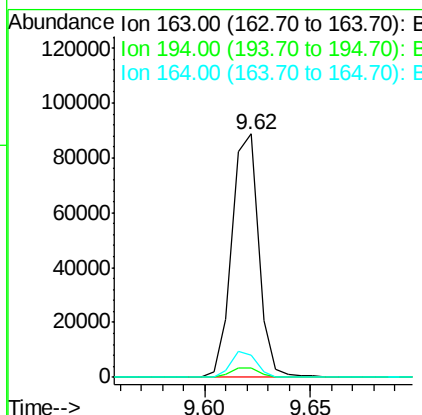
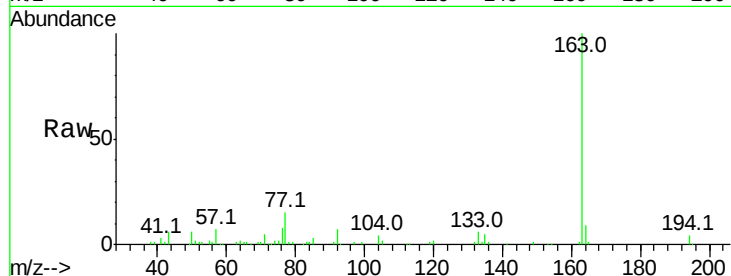
#49
Dimethylphthalate
Concen: 7.288 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampleId :
PG1-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	77612		
194	3.9		2.7	4.1
164	9.3		8.2	12.2

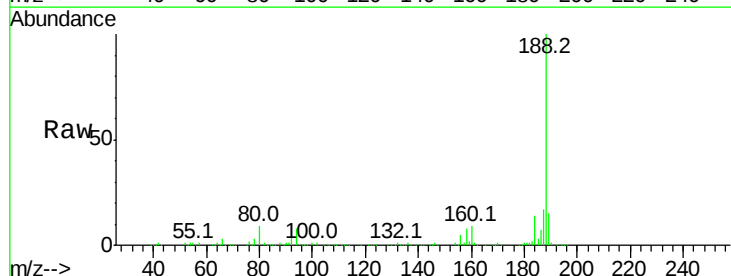
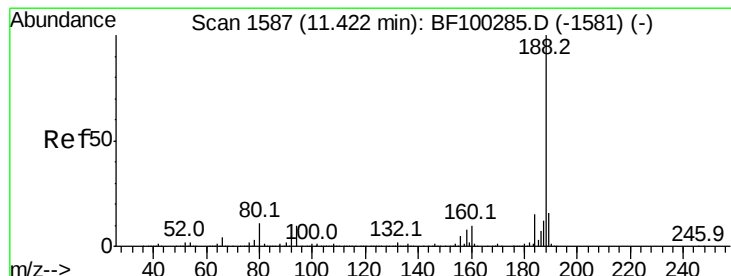
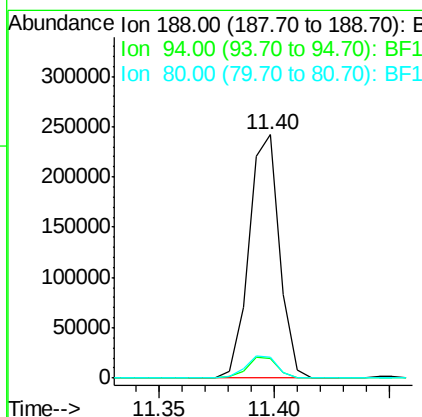
Manual Integrations
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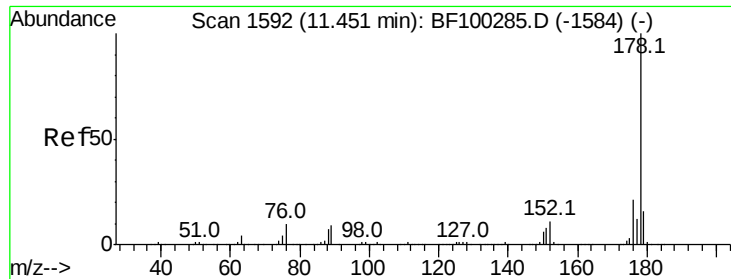
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	223374		
94	7.9		8.5	12.7#
80	8.7		9.2	13.8#





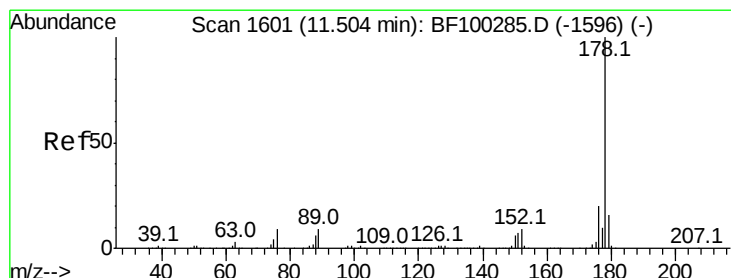
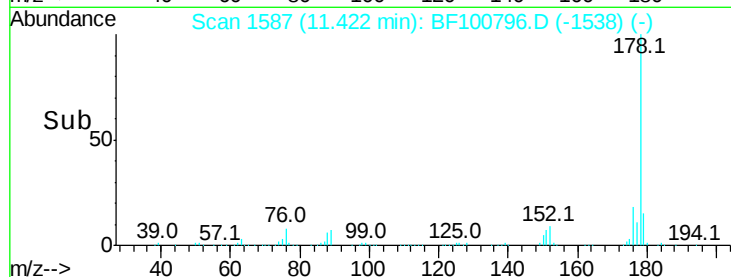
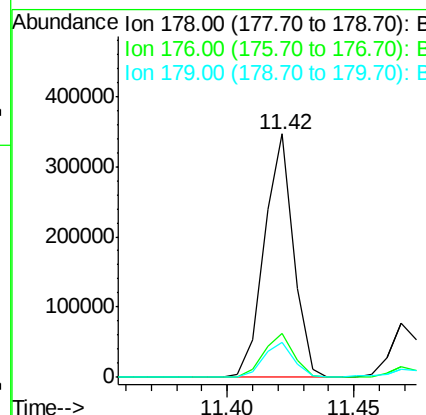
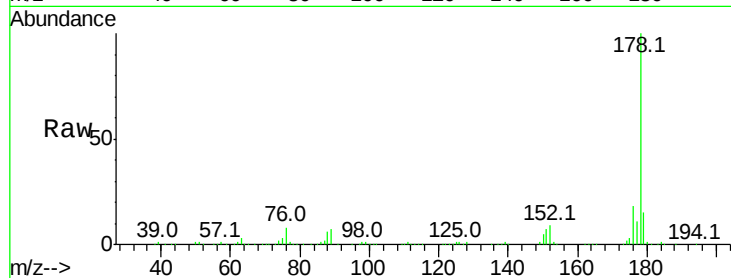
#70
Phenanthrene
Concen: 23.543 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampleId :
PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.6	13.0	19.6

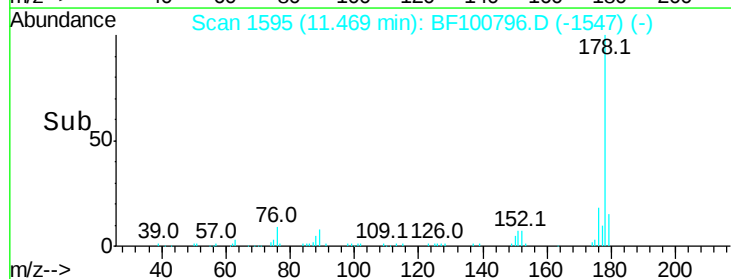
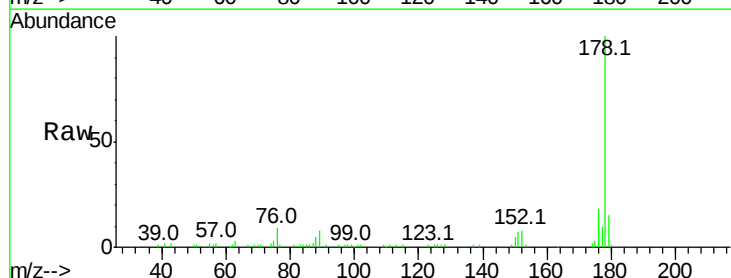
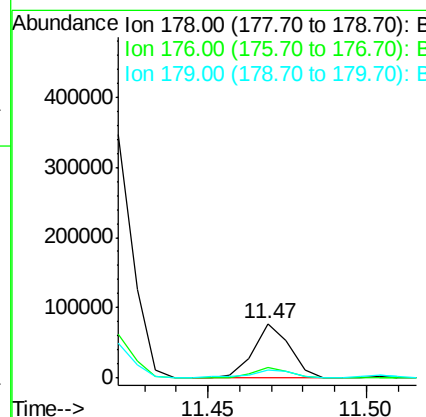
Manual Integrations
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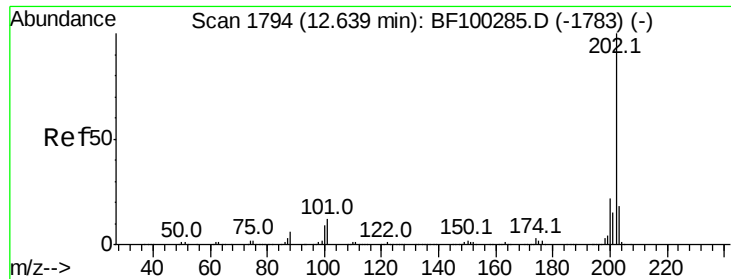
Sohil
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#71
Anthracene
Concen: 5.140 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 40.212 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Instrument :

BNA_F

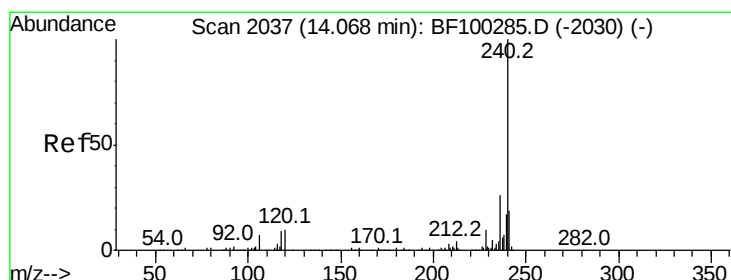
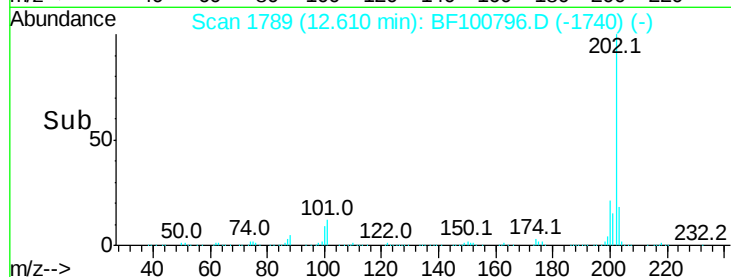
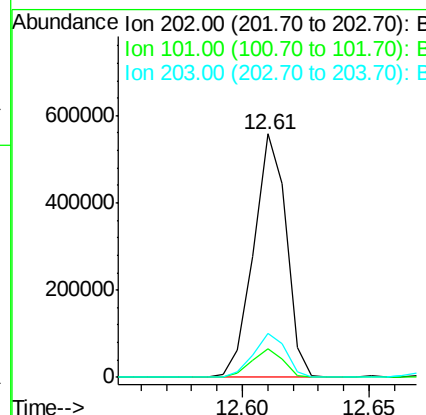
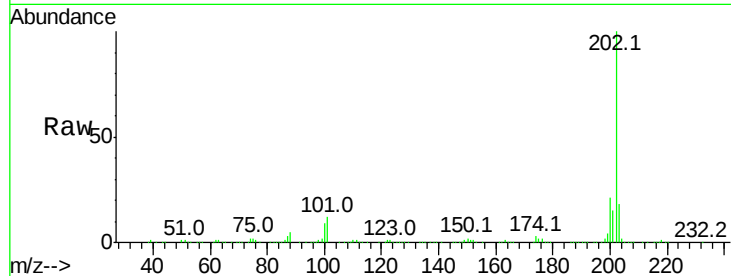
ClientSampleId :

PG1-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	501223		
101	11.9	0.0	34.1	
203	17.9	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

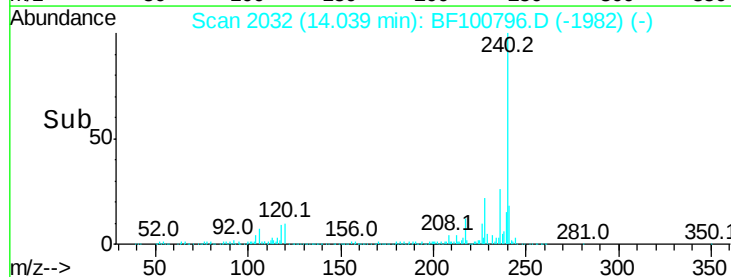
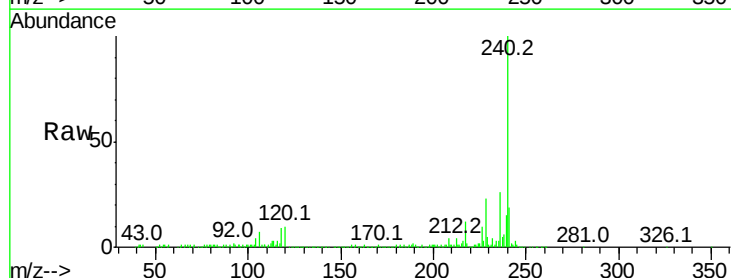
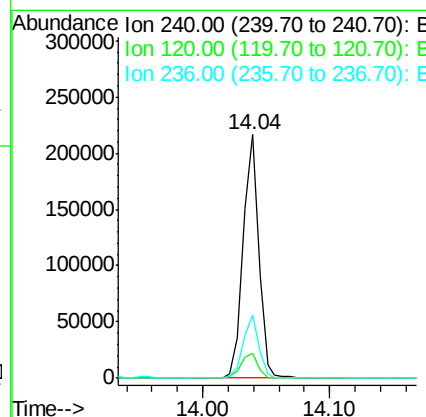
RT: 14.04 min Scan# 2032

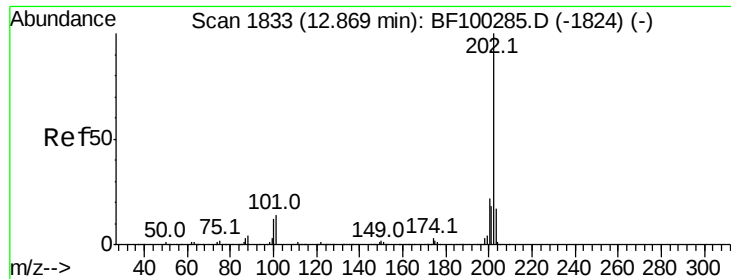
Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	183095		
120	10.4	9.5	14.3	
236	25.9	20.7	31.1	





#77

Pvrene

Concen: 34.768 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Instrument :

BNA_F

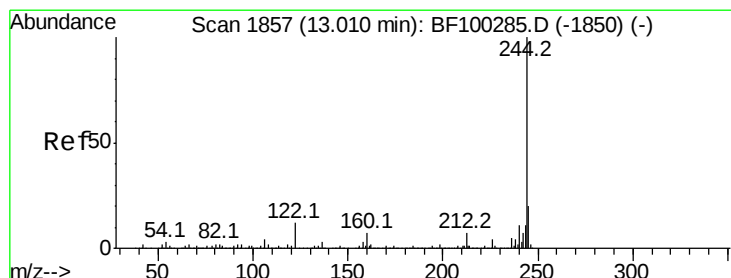
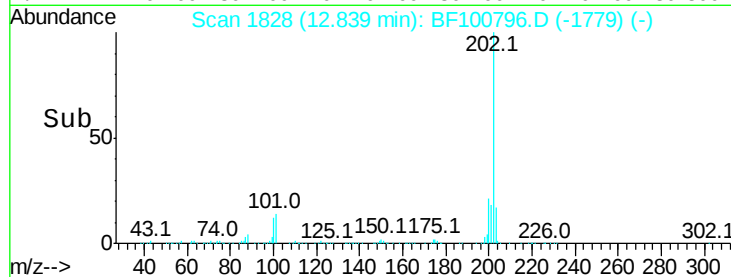
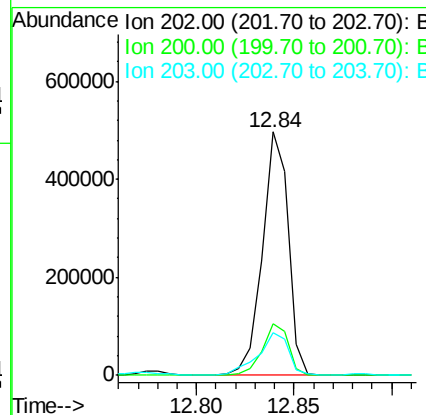
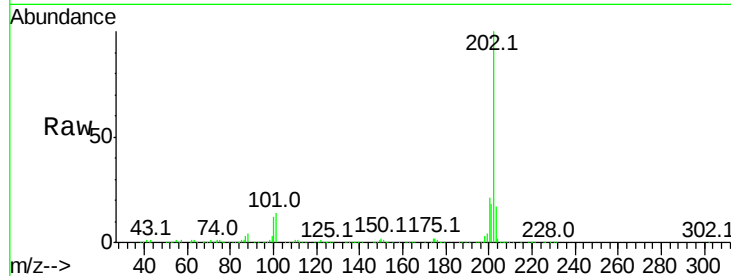
ClientSampleId :

PG1-3-E(4-5)

Tot Ion:	202	Resp:	453778
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 66.090 ng

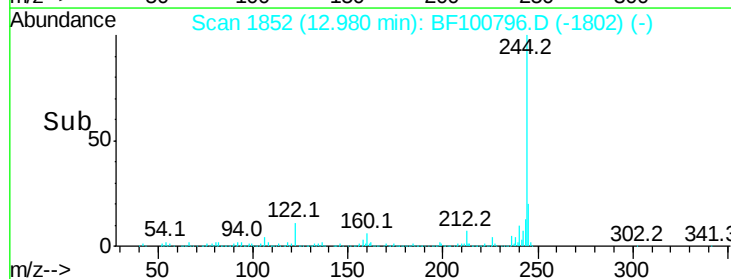
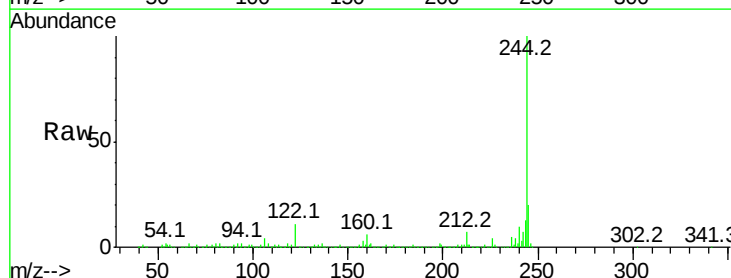
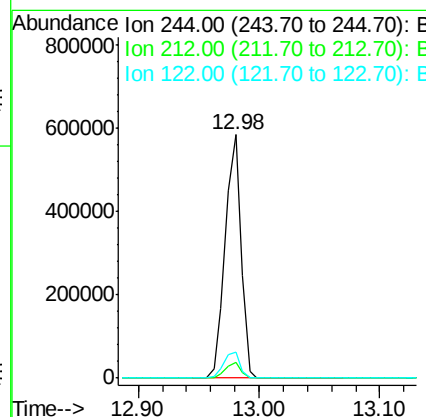
RT: 12.98 min Scan# 1852

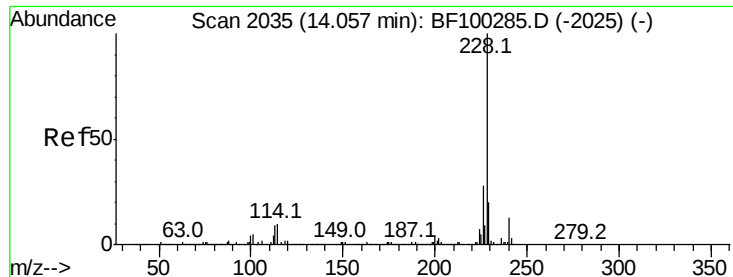
Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Tgt Ion:	244	Resp:	526646
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.7	11.0	16.4#





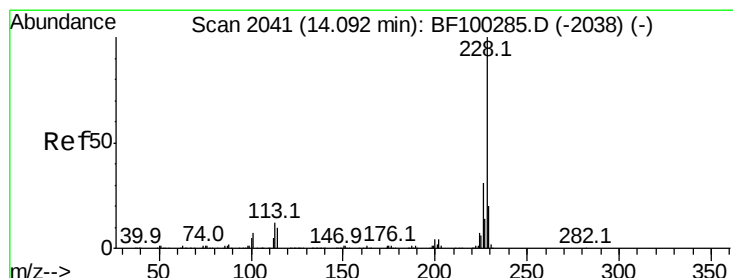
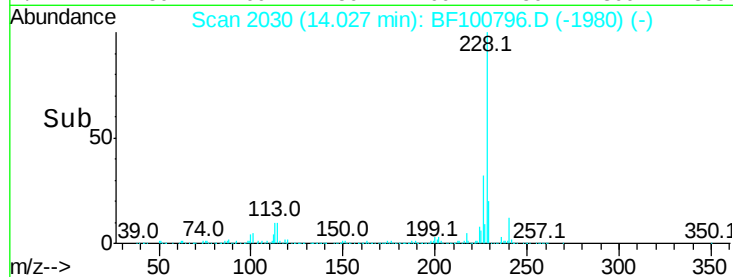
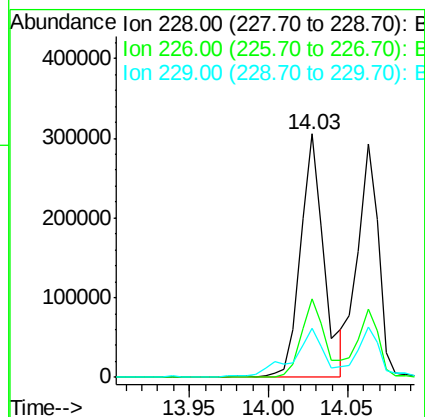
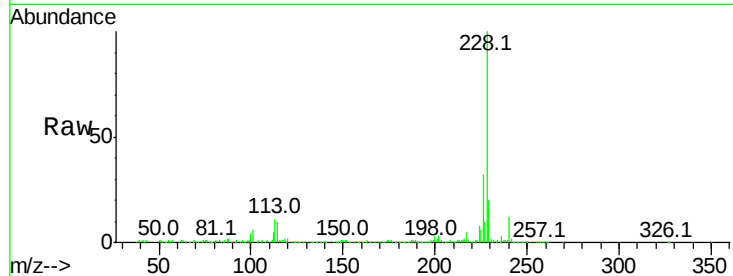
#80
Benzo(a)anthracene
Concen: 28.242 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampleId :
PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	20.1	15.8	23.6

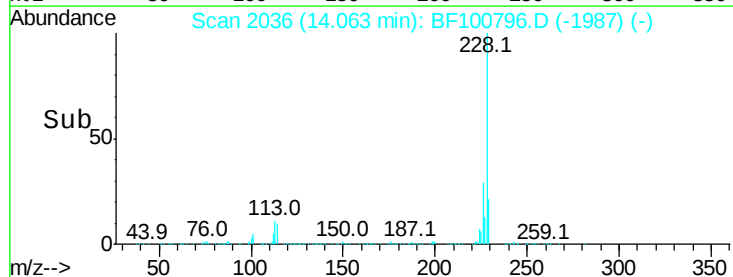
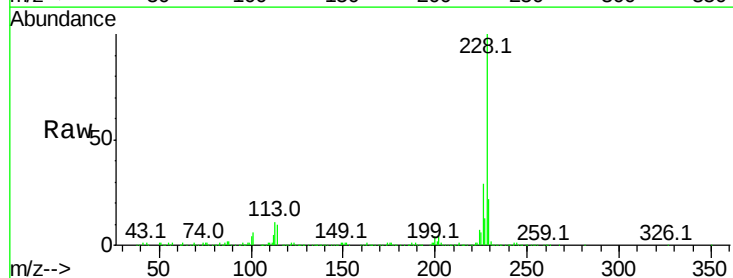
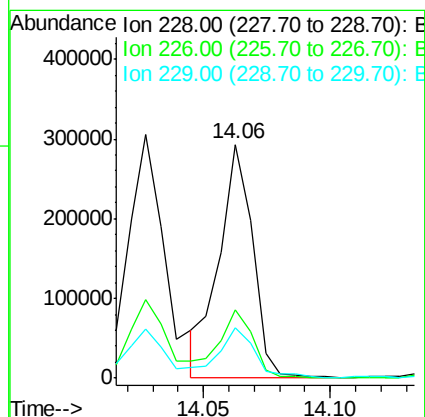
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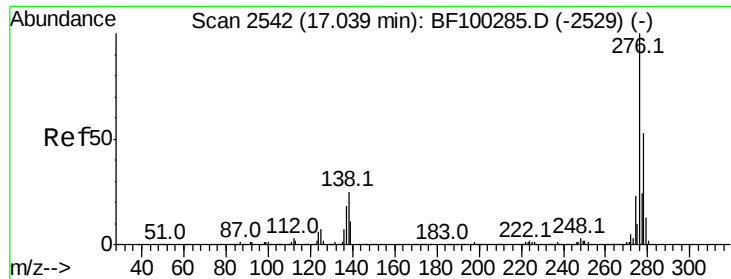
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#82
Chrysene
Concen: 25.173 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.8	16.2	24.4





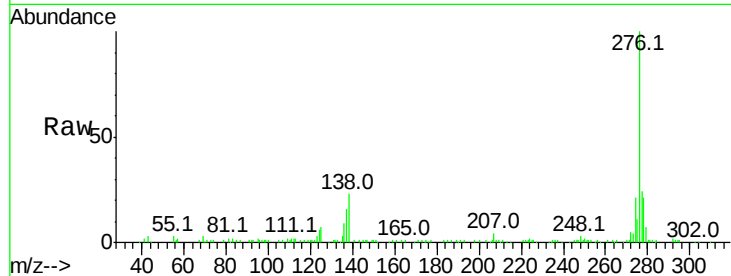
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.637 ng/ml
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
Client Sample ID :
PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	25.0	37.6#
277	4.9	20.1	30.1#

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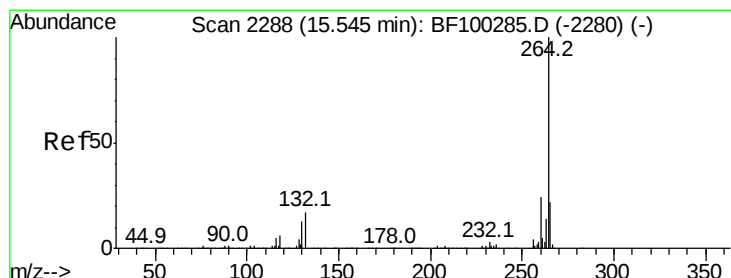
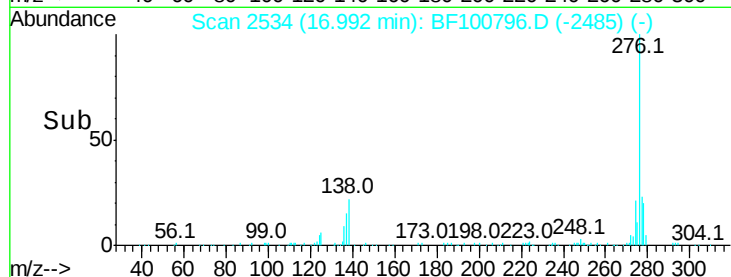
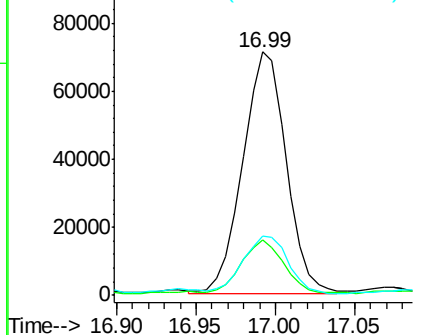


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

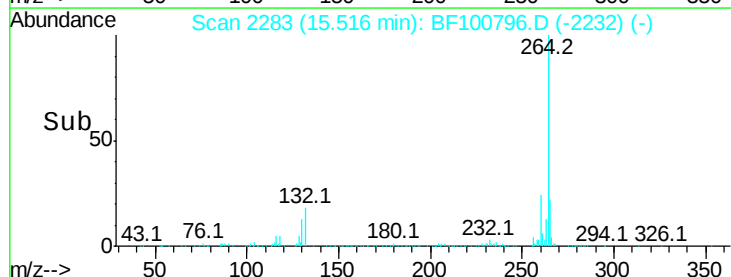
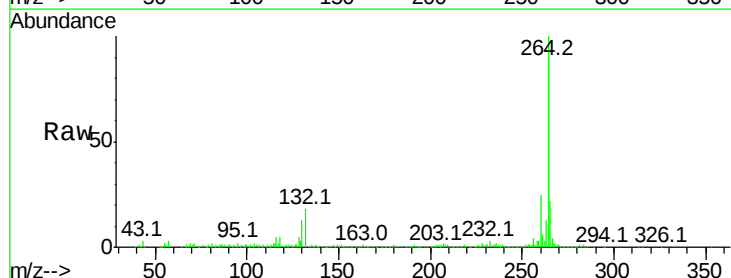
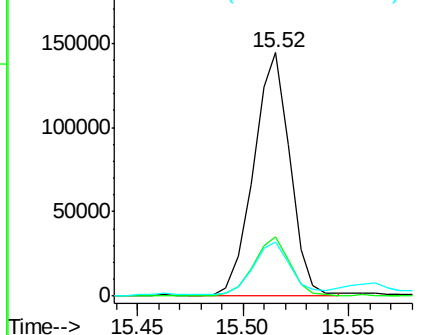
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.5	26.3

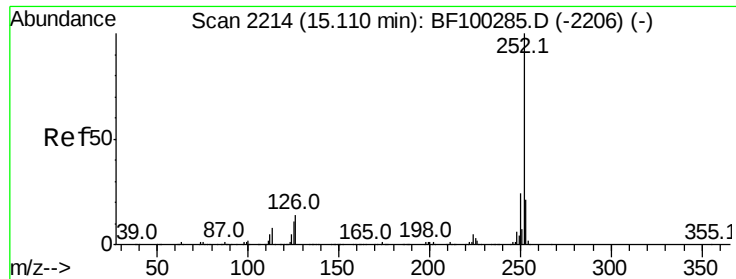
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 34.775 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Instrument :

BNA_F

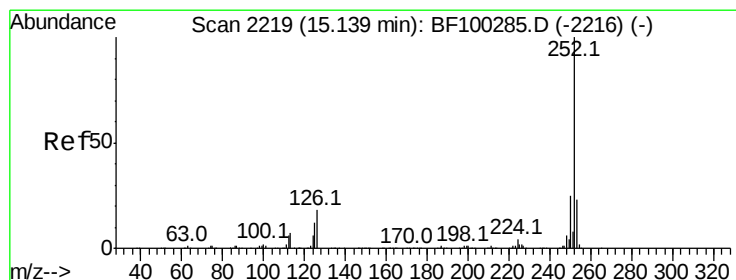
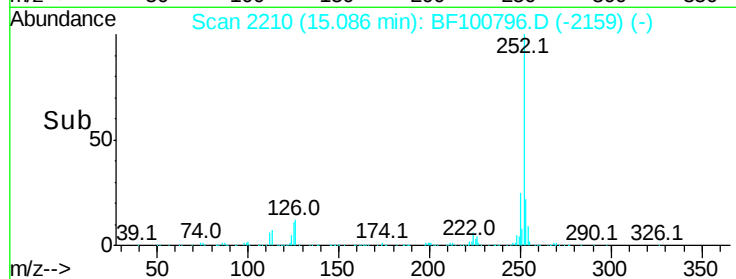
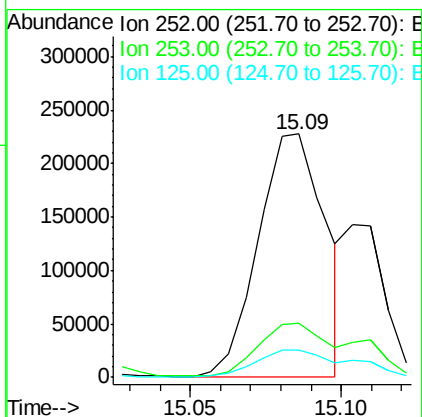
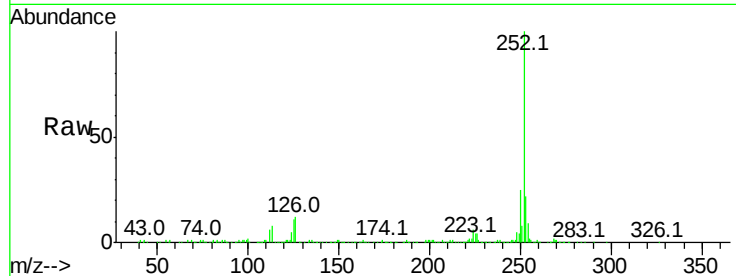
ClientSampleId :

PG1-3-E(4-5)

Tot Ion:	252	Resp:	352798
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	11.5	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 12.958 ng m

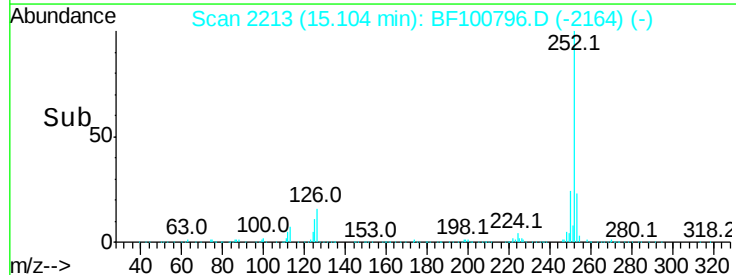
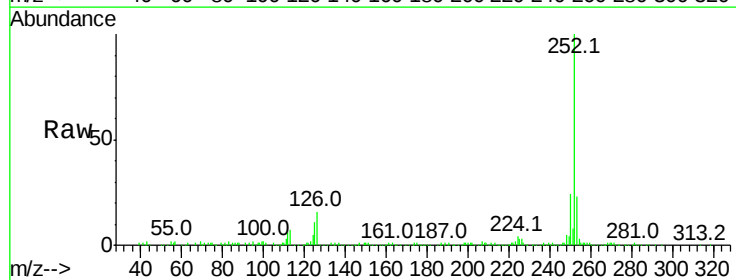
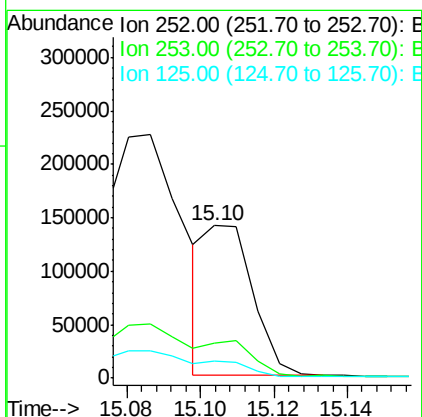
RT: 15.10 min Scan# 2213

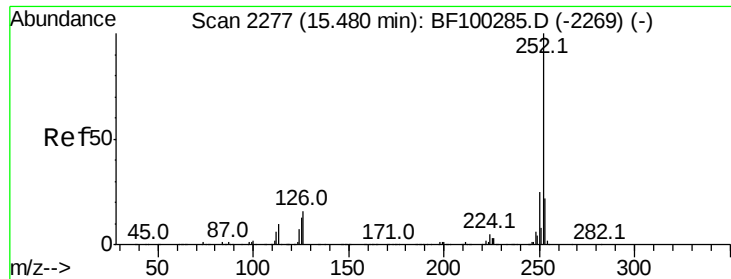
Delta R.T. -0.01 min

Lab File: BF100796.D

Acq: 21 Nov 2017 22:21

Tgt Ion:	252	Resp:	124214
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	11.3	10.2	15.2





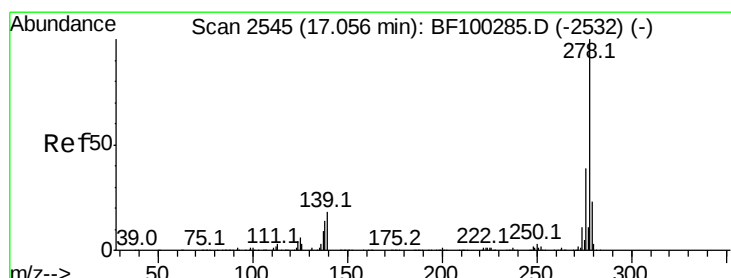
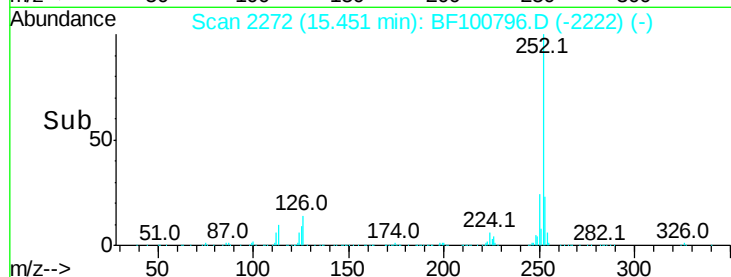
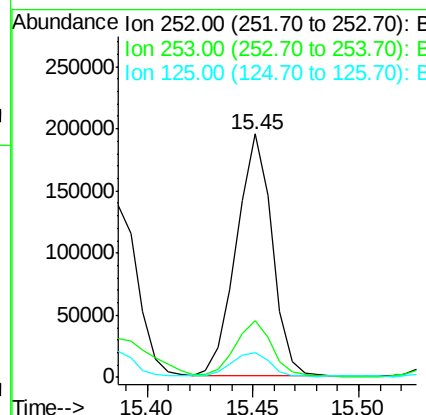
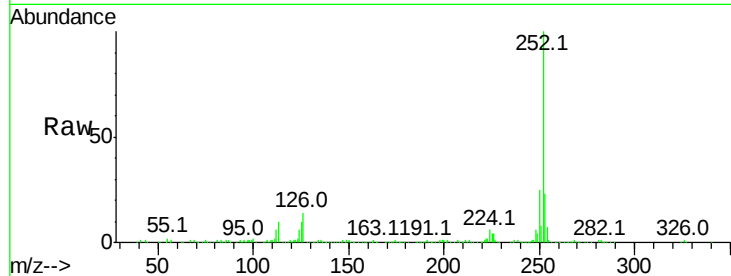
#89
Benzo(a)pyrene
Concen: 25.411 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Instrument :
BNA_F
ClientSampleId :
PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.4	9.8	14.6

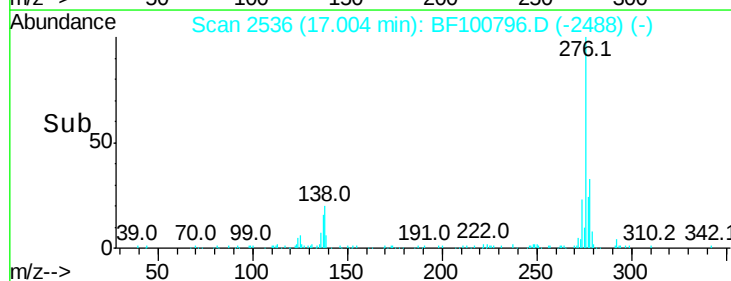
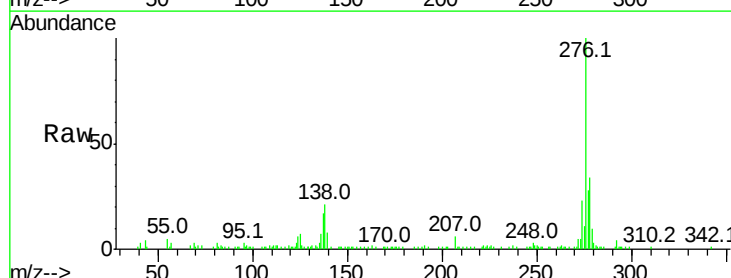
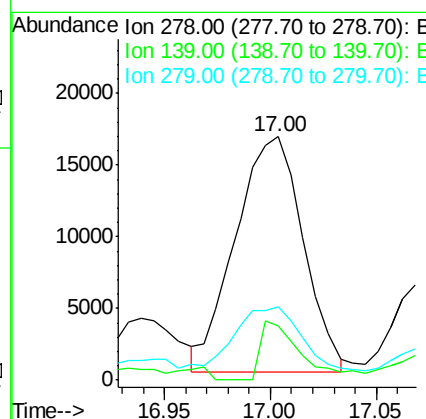
Manual Integrations
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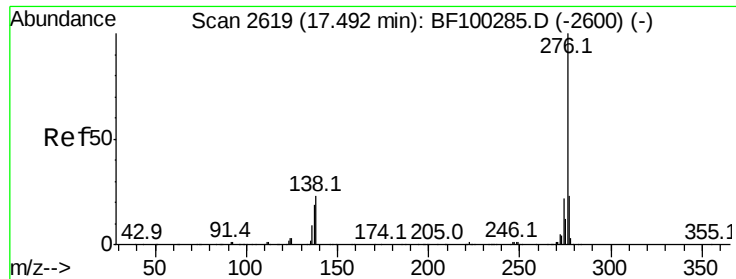
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.966 ng m
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF100796.D
Acq: 21 Nov 2017 22:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	15.9	23.9
279	29.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.822 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF100796.D
 Acq: 21 Nov 2017 22:21

Instrument :
 BNA_F
 ClientSampleId :
 PG1-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.5	17.9	26.9
138	20.7	21.8	32.8#

Manual Integrations
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