

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100795.D
 Acq On : 21 Nov 2017 21:54
 Operator : SJ/JU
 Sample : I6499-07 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(7-8)

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:32 PM

Quant Time: Nov 22 06:54:04 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	83706	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	320090	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	132167	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	206176	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	197730	20.00	ng	-0.01
86) Perylene-d12	15.51	264	167841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	264928	50.73	ng	0.00
7) Phenol-d6	6.50	99	344943	53.57	ng	-0.01
23) Nitrobenzene-d5	7.43	82	190036	39.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	78381	58.20	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	450815	51.94	ng	-0.01
78) Terphenyl-d14	12.97	244	346173	40.23	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.62	163	29511	2.924	ng	Qvalue # 98
70) Phenanthrene	11.42	178	143706	13.238	ng	97
71) Anthracene	11.47	178	25869	2.349	ng	97
74) Fluoranthene	12.61	202	189961	16.512	ng	94
77) Pyrene	12.84	202	177974	12.627	ng	99
80) Benzo(a)anthracene	14.02	228	94696	7.953	ng	98
82) Chrysene	14.06	228	89589	7.770	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	31715	3.401	ng	94
87) Benzo(b)fluoranthene	15.08	252	91313m	9.183	ng	
88) Benzo(k)fluoranthene	15.10	252	34709m	3.694	ng	
89) Benzo(a)pyrene	15.44	252	60505	6.864	ng	97
91) Benzo(a,h,i)perylene	17.44	276	31676	4.488	ng	# 91

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

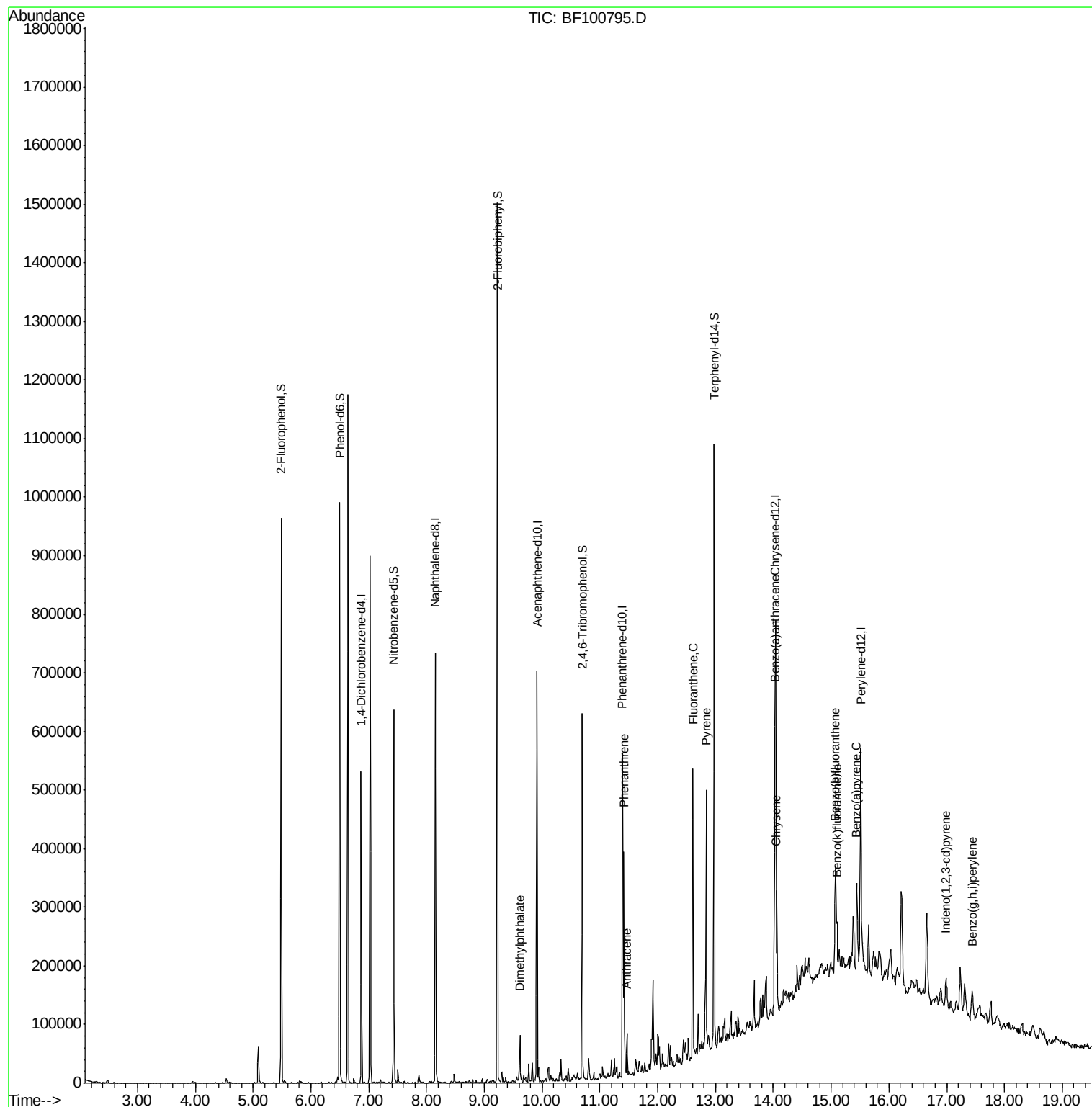
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
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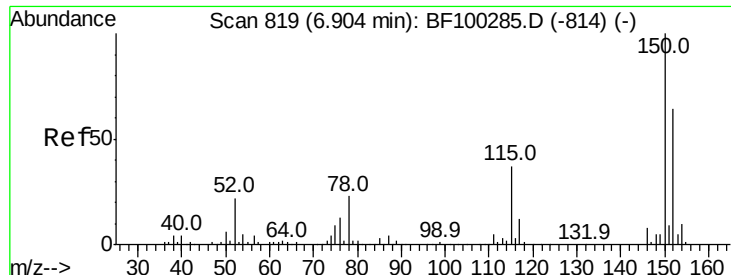
Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

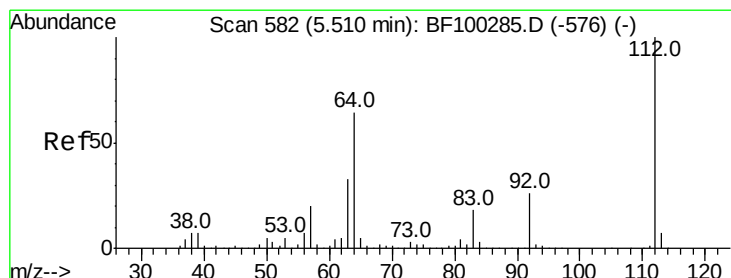
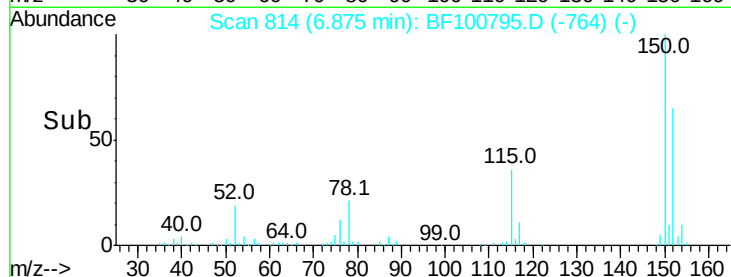
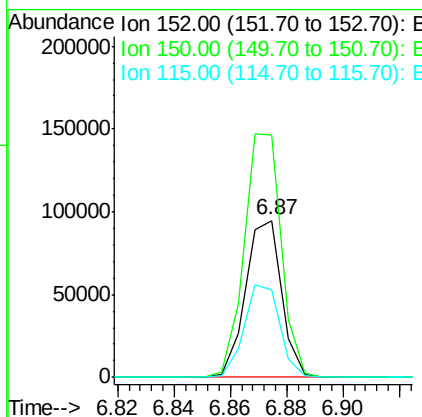
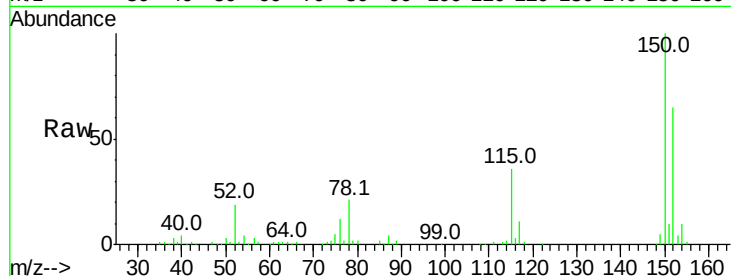
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	55.7	50.1	75.1

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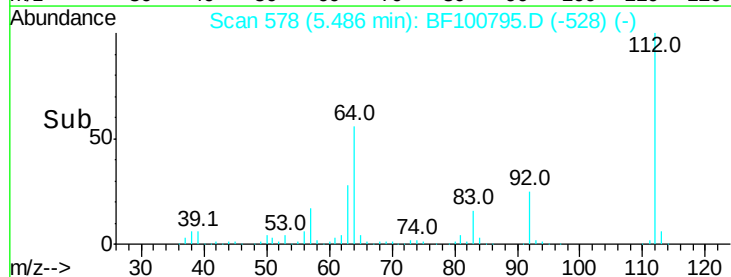
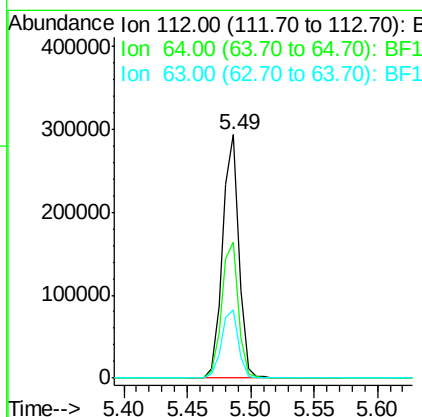
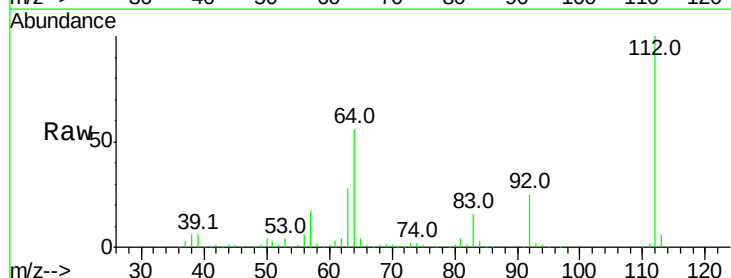
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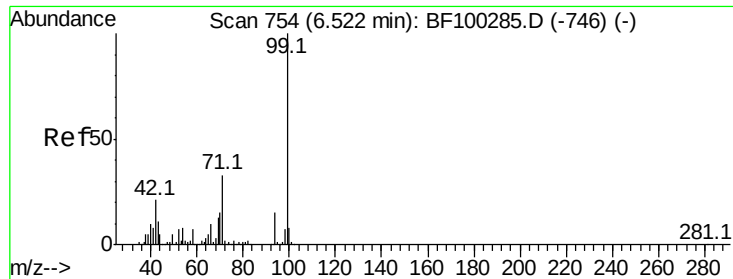


#5

2-Fluorophenol
Concen: 50.734 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 53.569 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Instrument :

BNA_F

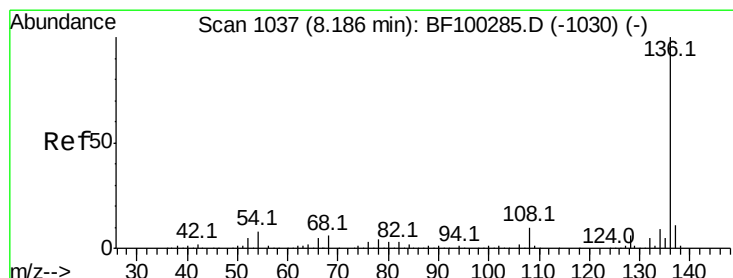
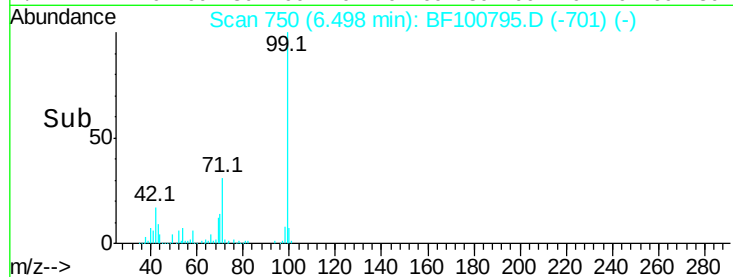
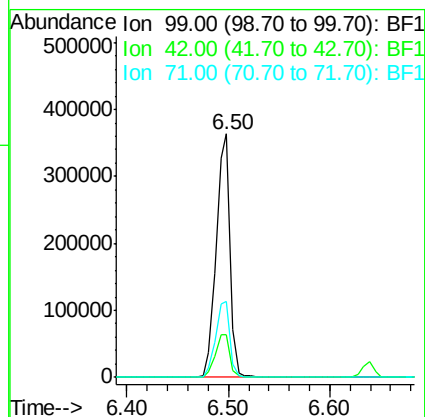
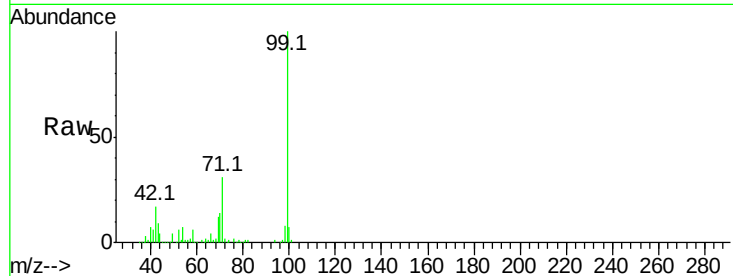
ClientSampleId :

PG1-4-E(7-8)

Tot Ion:	99	Resp:	344943
Ion Ratio	Lower	Upper	
99	100		
42	17.5	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

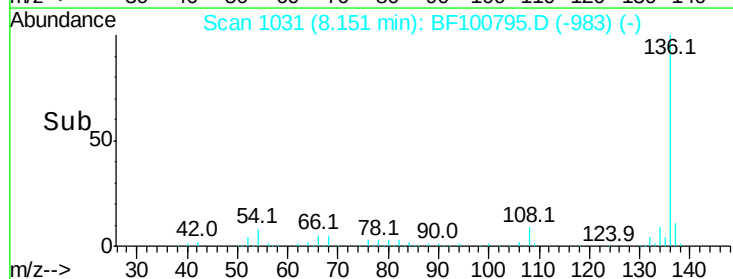
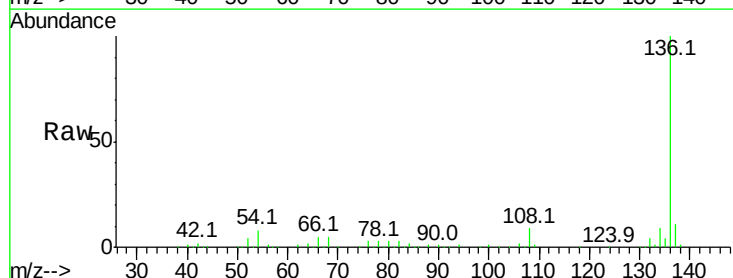
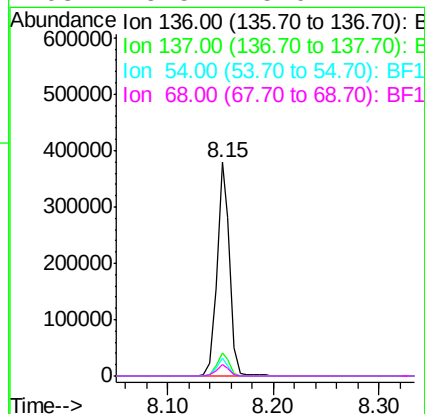
RT: 8.15 min Scan# 1031

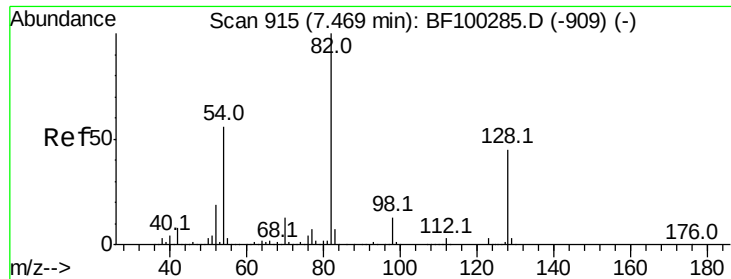
Delta R.T. -0.02 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Tgt Ion:	136	Resp:	320090
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.4	6.6	9.8
68	5.5	5.0	7.4





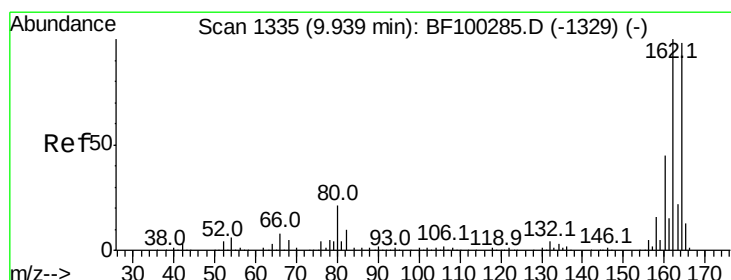
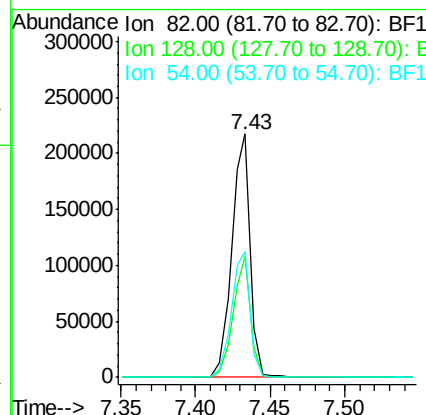
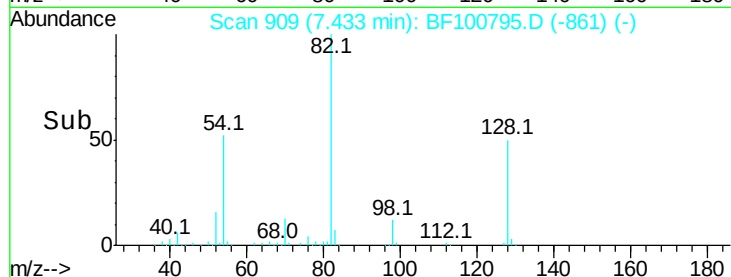
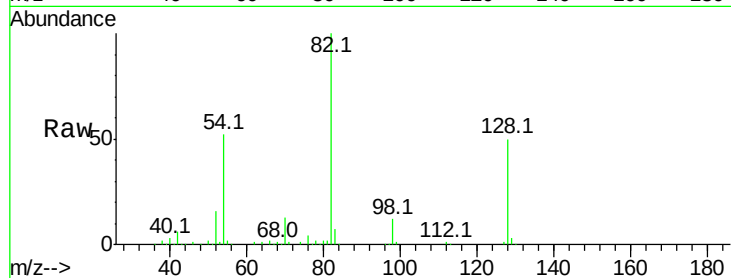
#23
Nitrobenzene-d5
Concen: 39.251 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.7	36.1	54.1	
54	51.8	41.4	62.2	

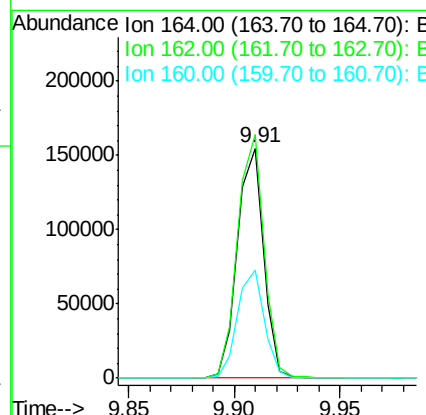
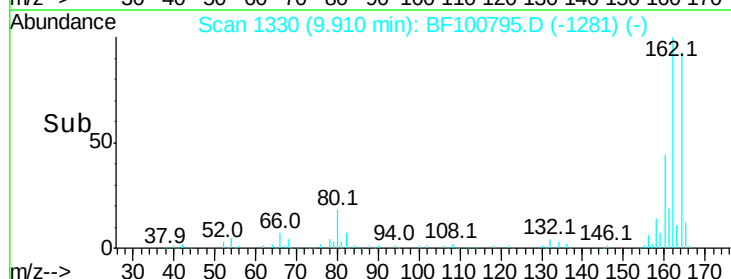
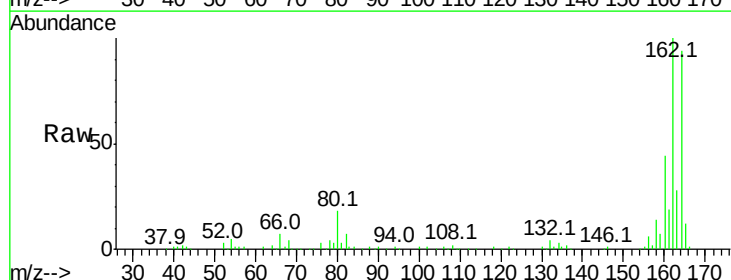
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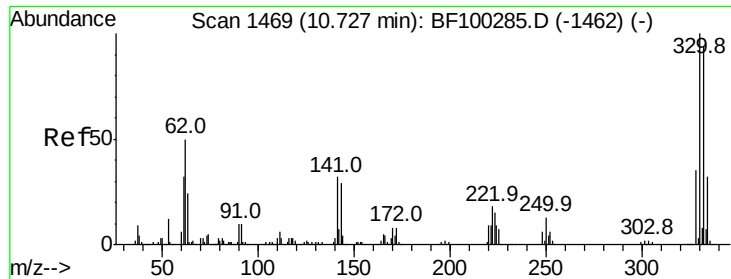
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.9	86.1	129.1	
160	47.1	38.3	57.5	





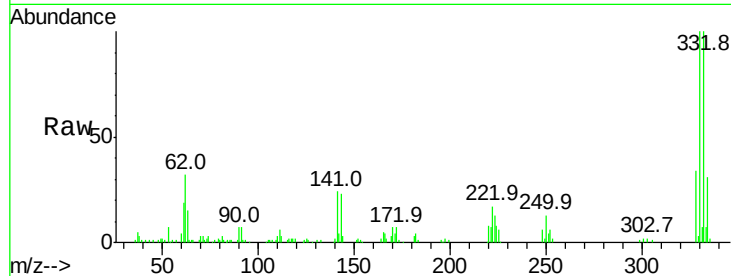
#41
 2,4,6-Tribromophenol
 Concen: 58.199 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100795.D
 Acq: 21 Nov 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	28.8	29.9	44.9#

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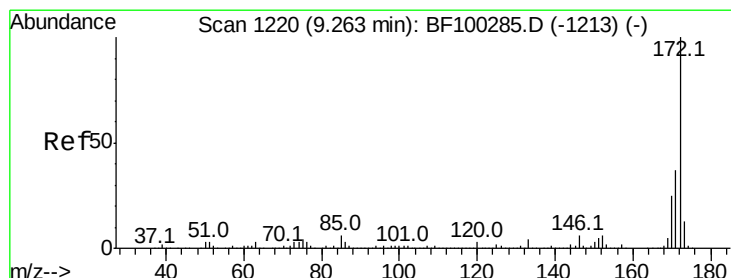
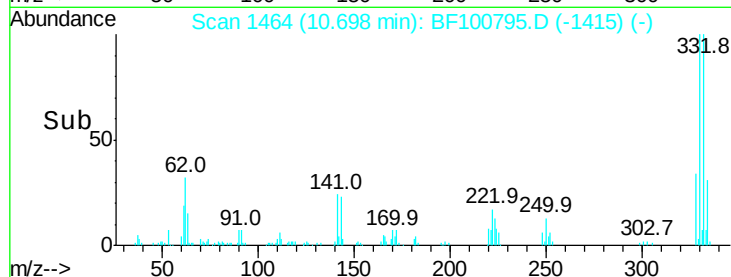
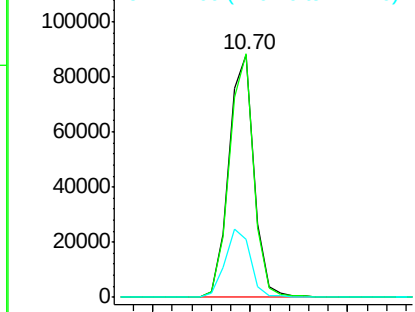


Abundance

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: 51.939 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100795.D
 Acq: 21 Nov 2017 21:54

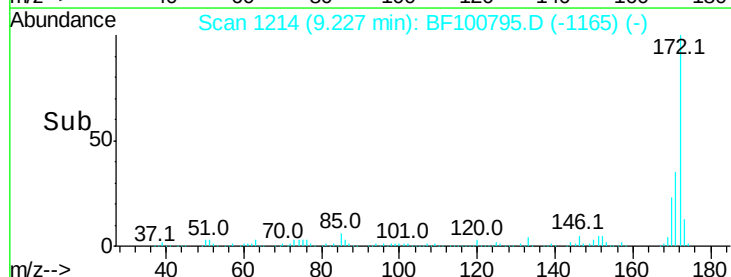
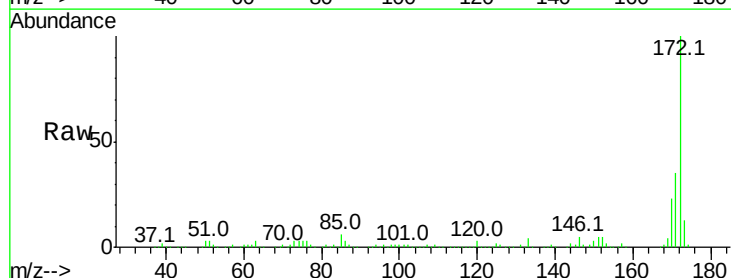
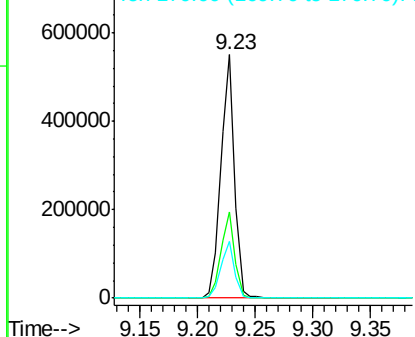
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.2	19.6	29.4

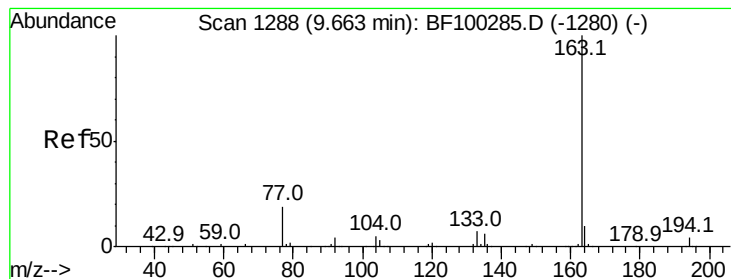
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.924 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Instrument :

BNA_F

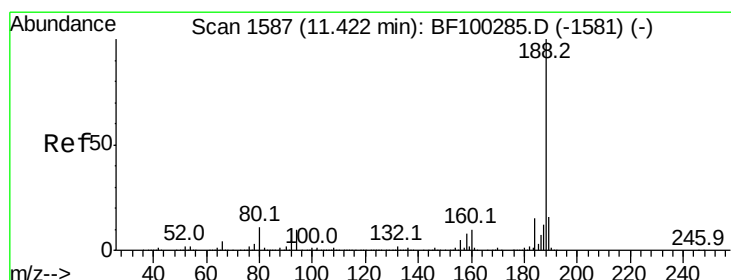
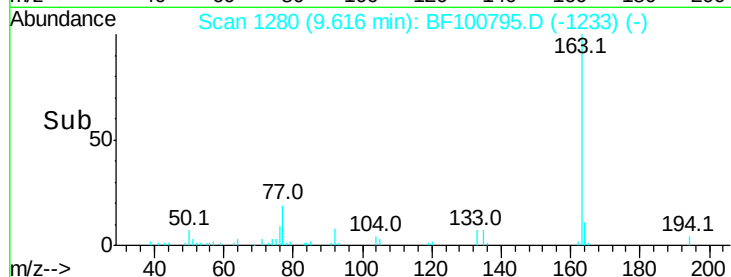
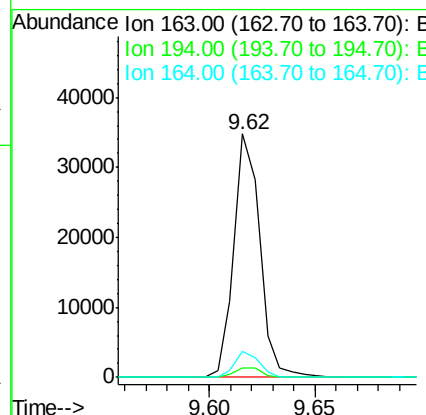
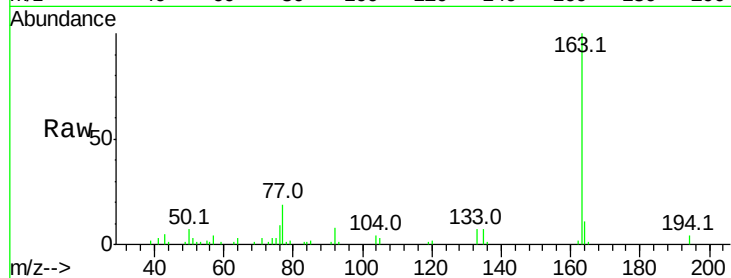
ClientSampleId :

PG1-4-E(7-8)

Tot Ion:	163	Resp:	29511
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1#
164	10.8	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

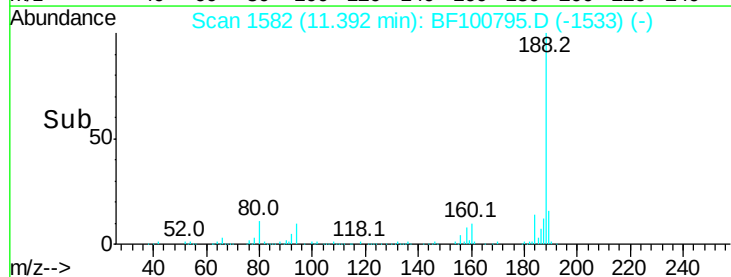
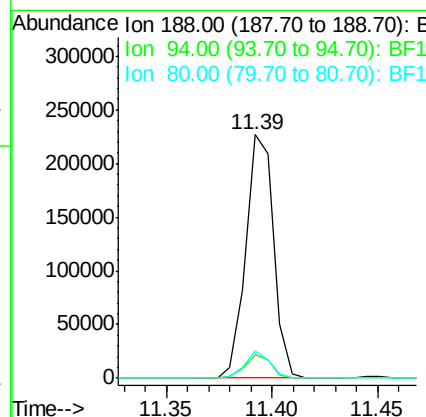
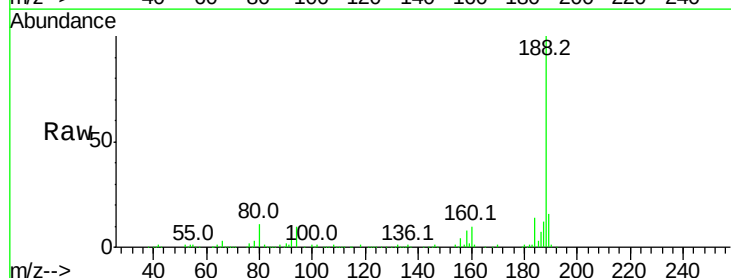
RT: 11.39 min Scan# 1582

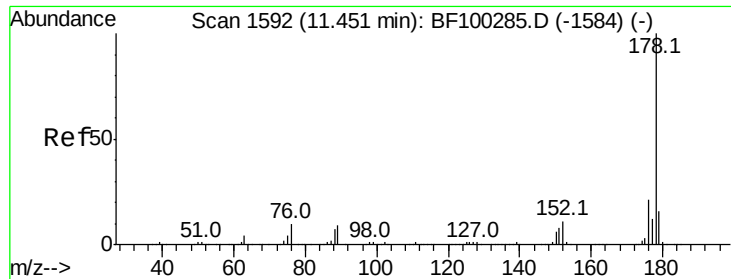
Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Tgt Ion:	188	Resp:	206176
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	11.0	9.2	13.8





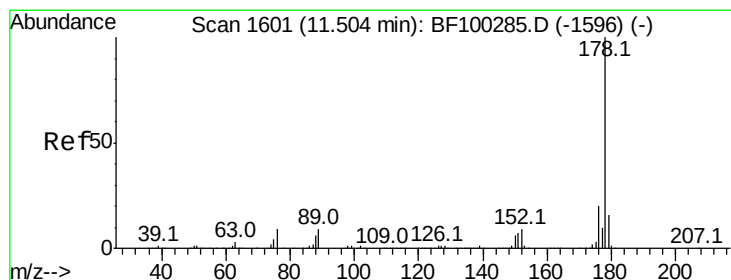
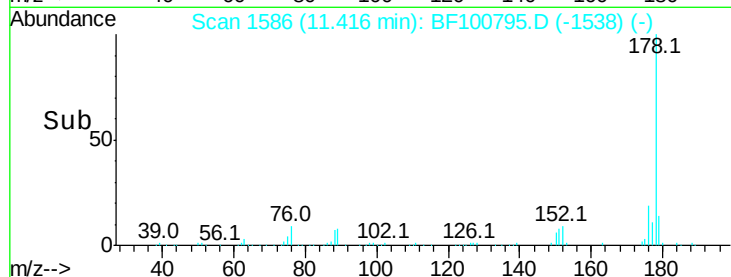
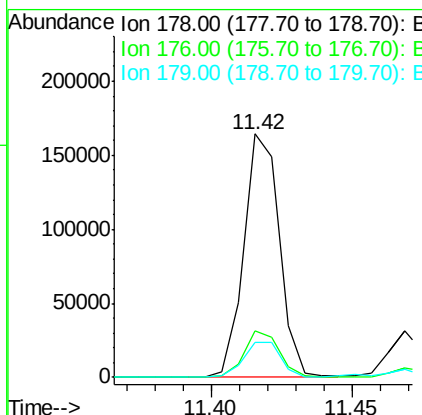
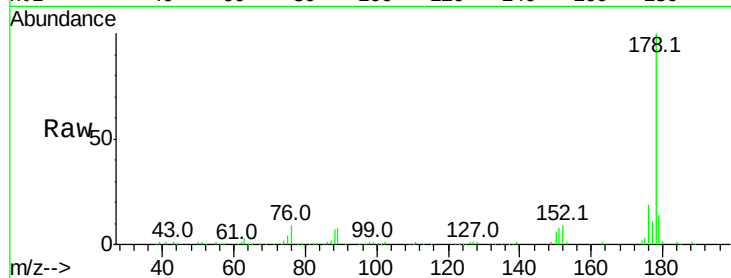
#70
Phenanthrene
Concen: 13.238 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.4	13.0	19.6

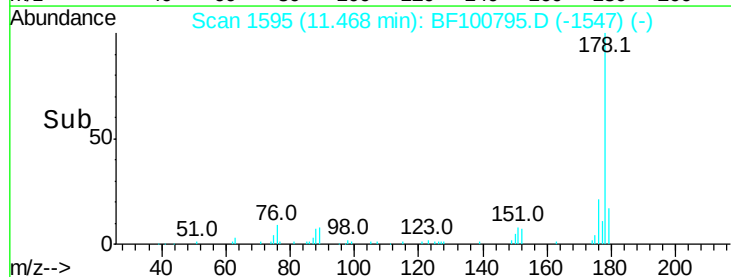
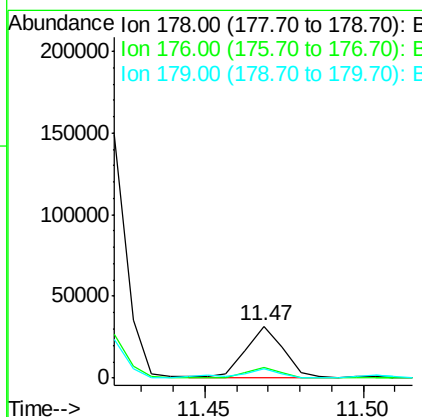
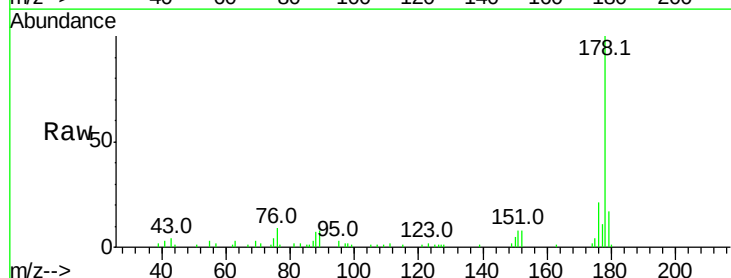
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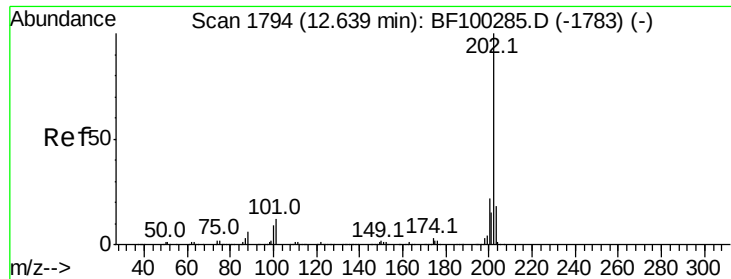
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#71
Anthracene
Concen: 2.349 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.2
179	17.2	12.6	19.0





#74

Fluoranthene

Concen: 16.512 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Instrument :

BNA_F

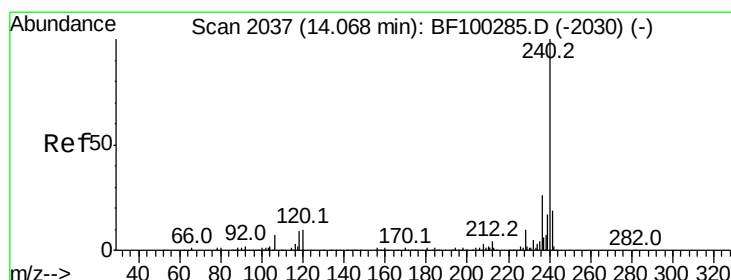
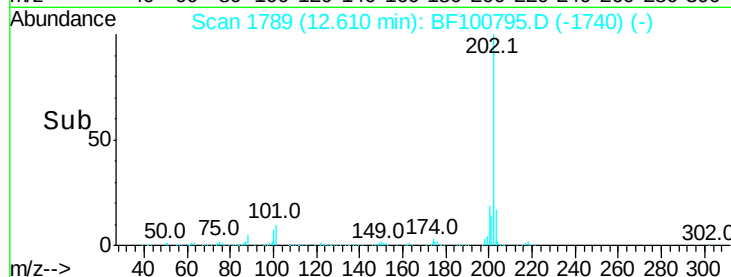
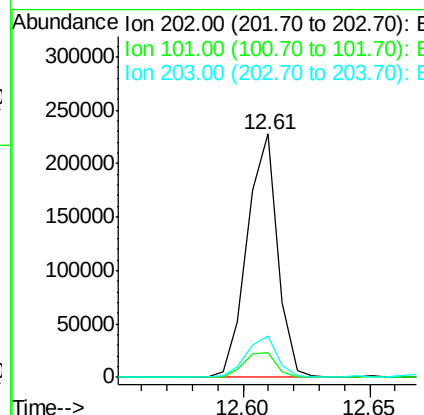
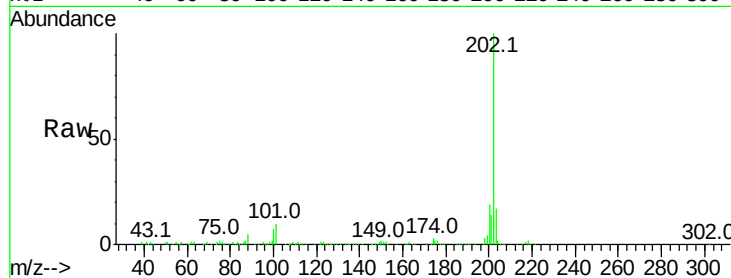
ClientSampleId :

PG1-4-E(7-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		189961		
101	9.9	0.0	34.1		
203	16.9	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

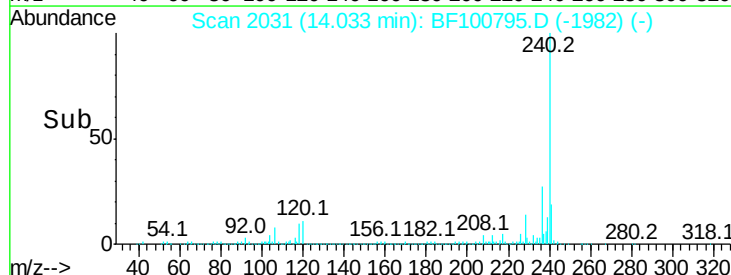
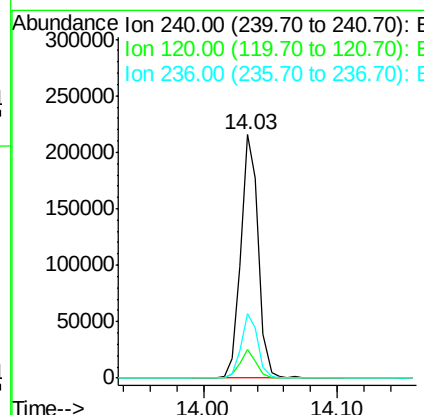
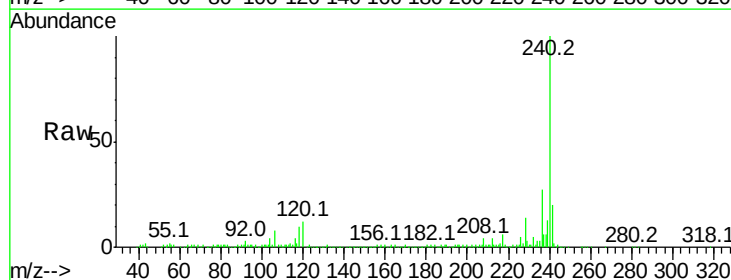
RT: 14.03 min Scan# 2031

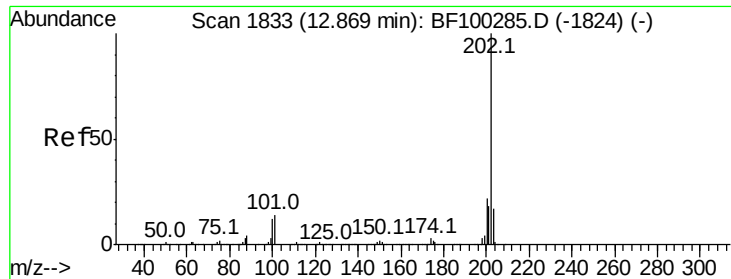
Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		197730		
120	11.6	9.5	14.3		
236	26.6	20.7	31.1		





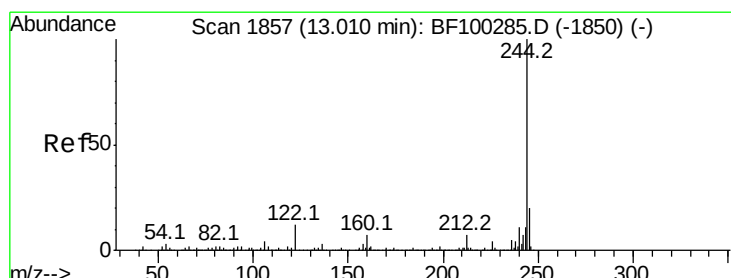
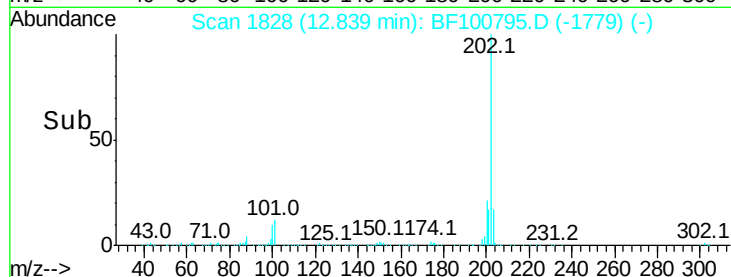
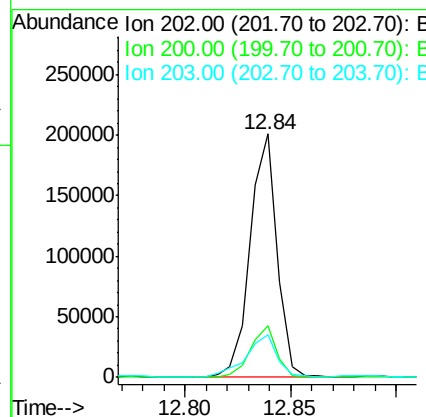
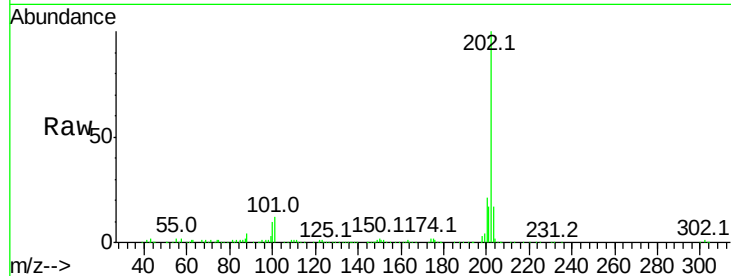
#77
Pvrene
Concen: 12.627 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	177974		
200	21.1		17.4	26.2
203	17.5		14.3	21.5

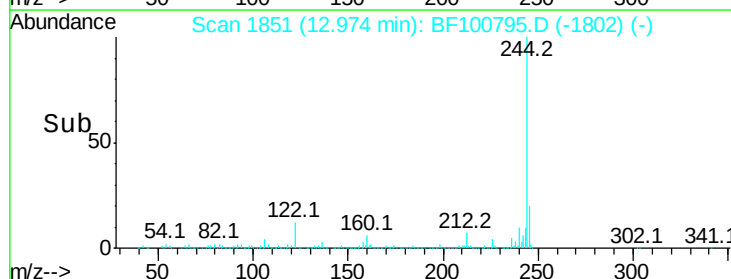
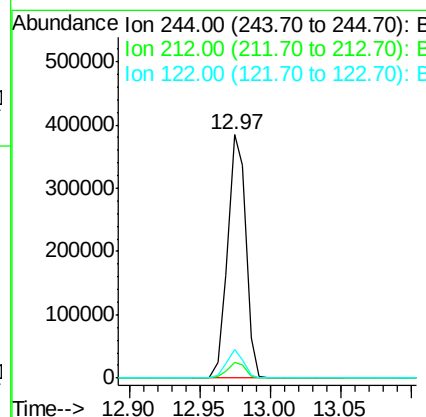
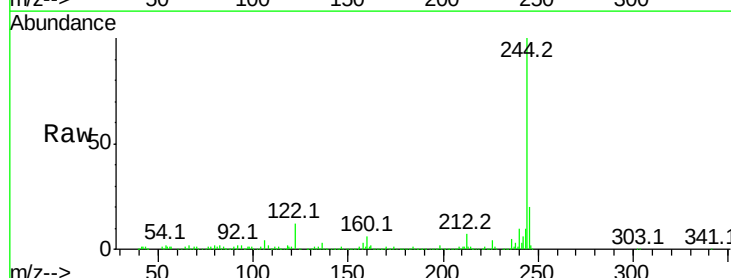
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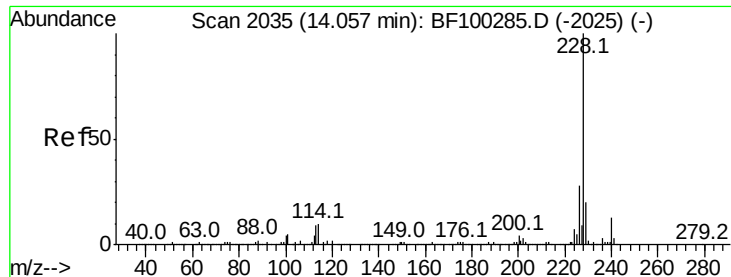
Sohil
11/22/2017 5:04:32 PM



#78
Terphenyl-d14
Concen: 40.227 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	346173		
212	6.5		5.4	8.0
122	11.9		11.0	16.4





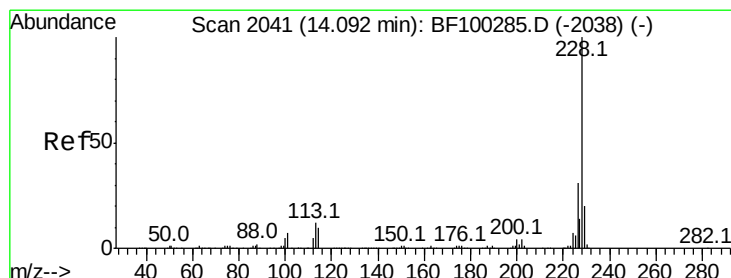
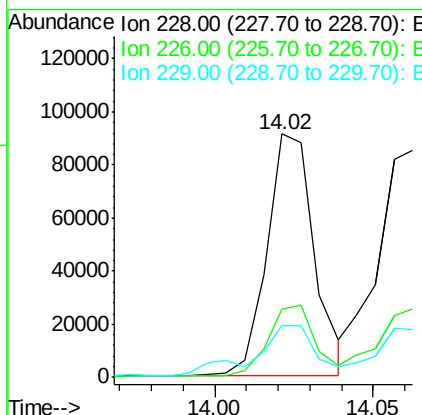
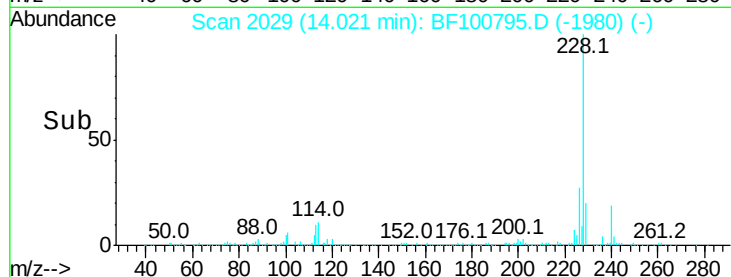
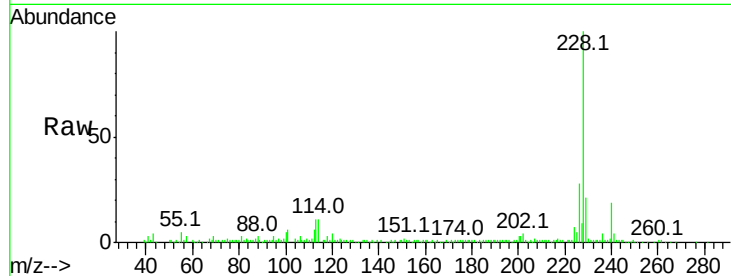
#80
Benzo(a)anthracene
Concen: 7.953 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.3	15.8	23.6

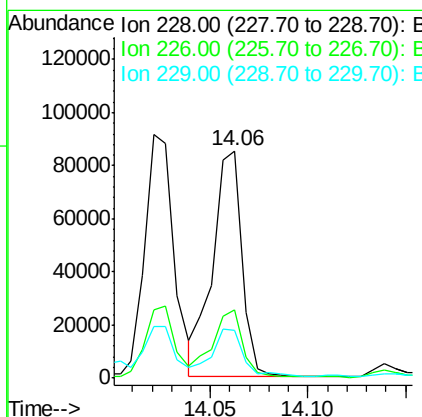
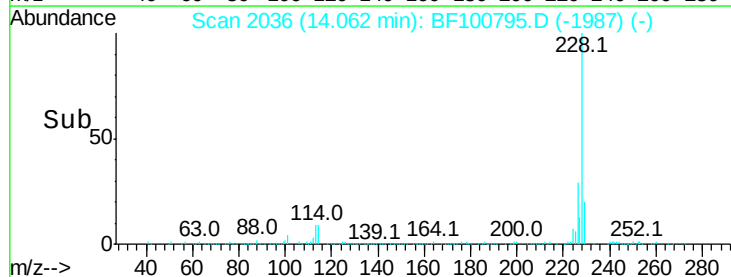
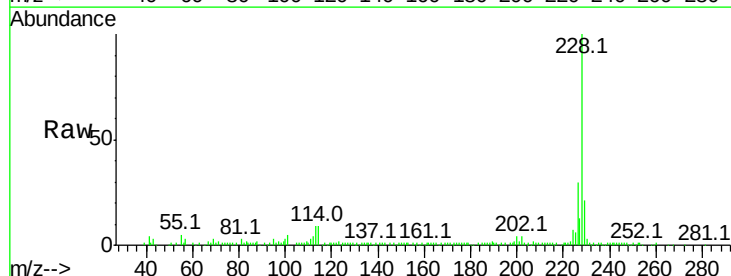
Manual Integrations
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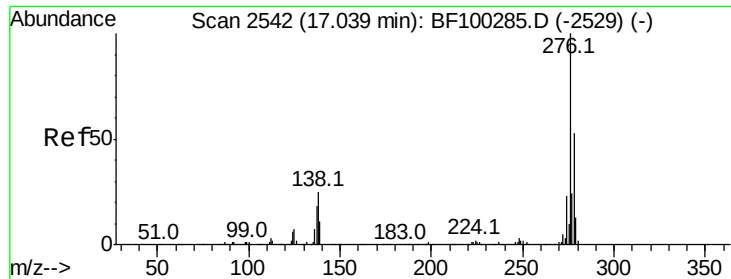
Sohil
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#82
Chrysene
Concen: 7.770 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.9	16.2	24.4





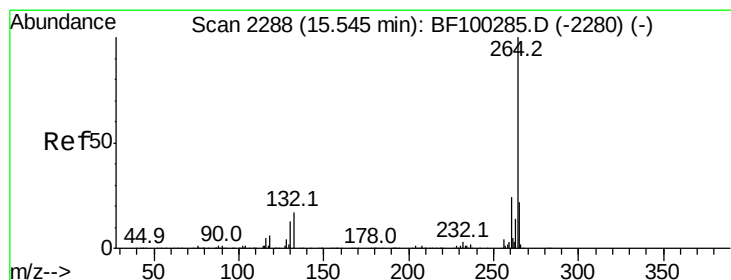
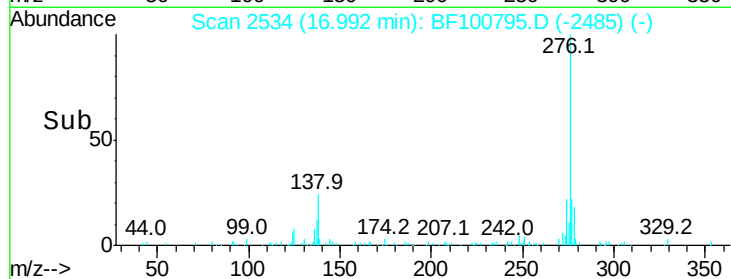
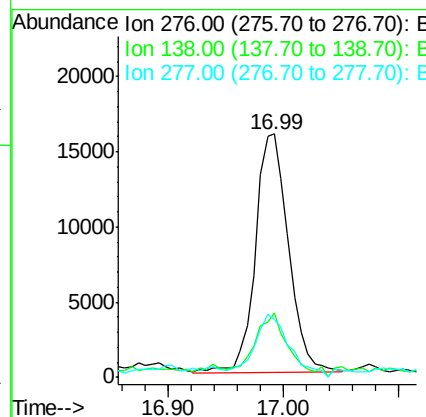
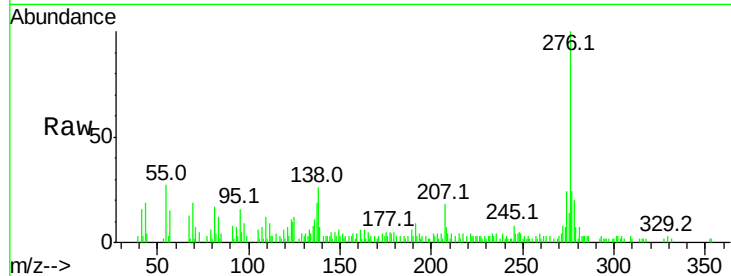
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.401 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.0	37.6
277	28.6	20.1	30.1

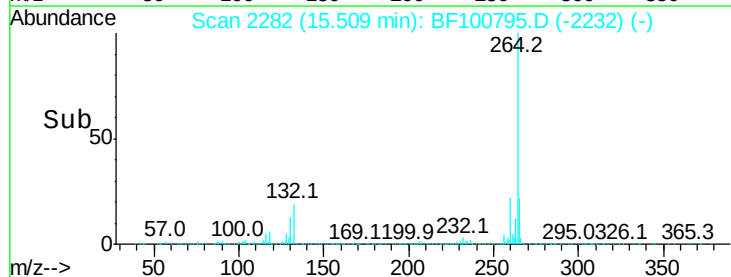
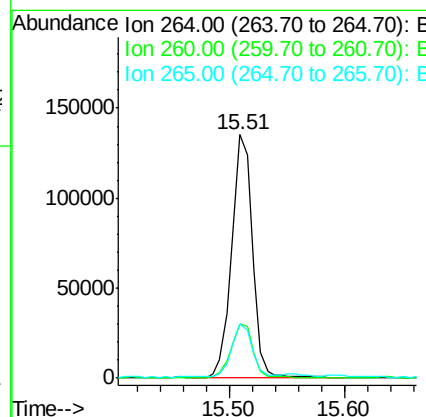
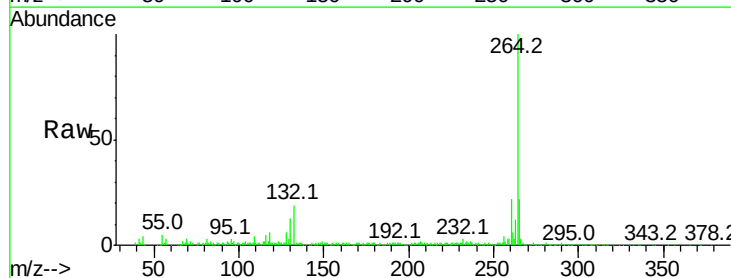
Manual Integrations
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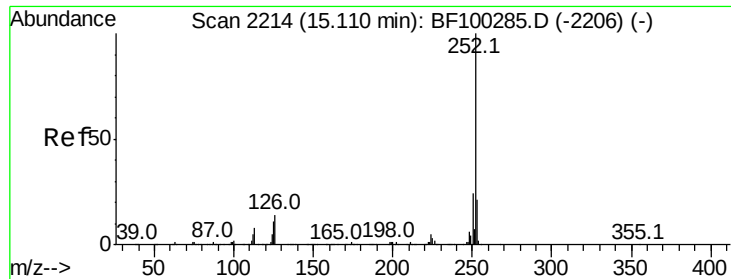
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.183 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Instrument :

BNA_F

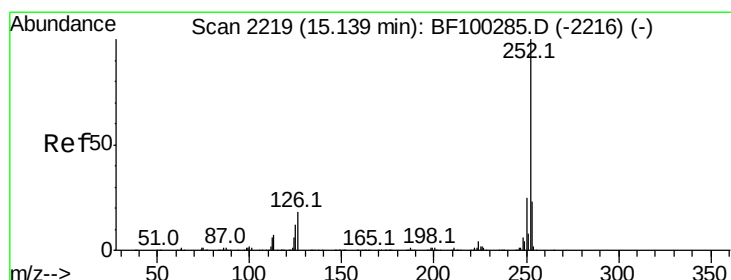
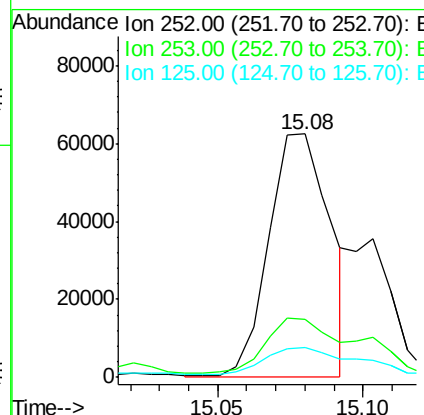
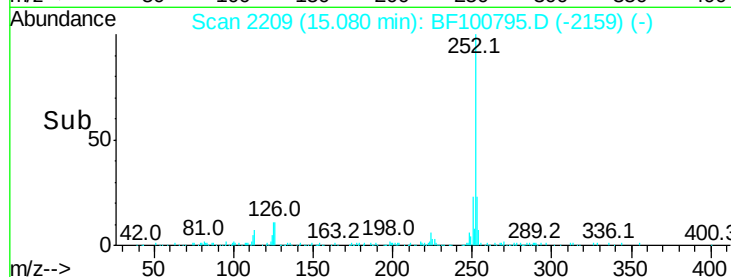
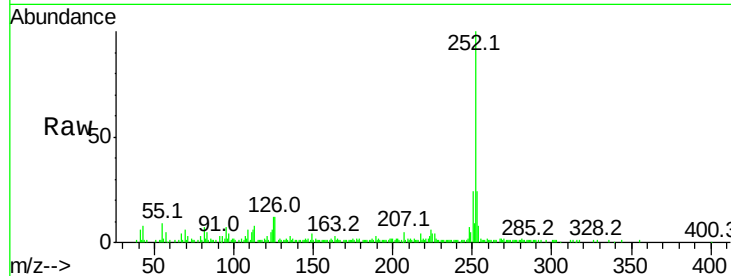
ClientSampleId :

PG1-4-E(7-8)

Tot Ion:	252	Resp:	91313
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	12.3	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.694 ng m

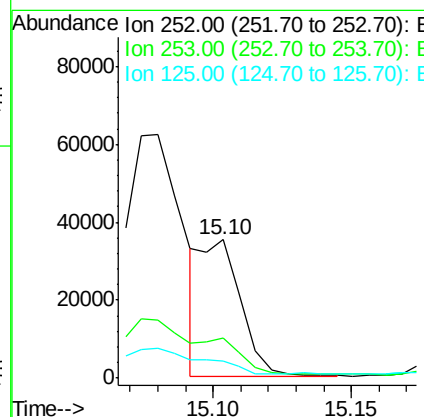
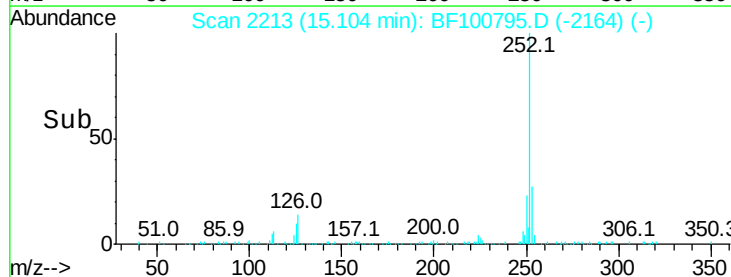
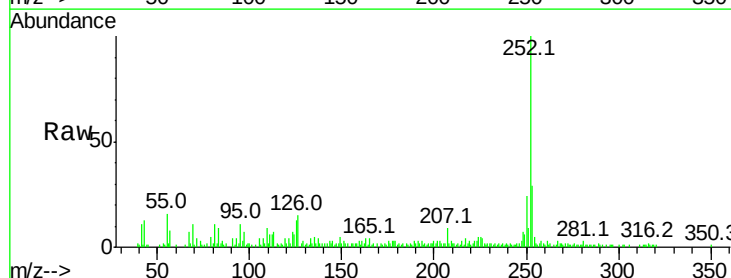
RT: 15.10 min Scan# 2213

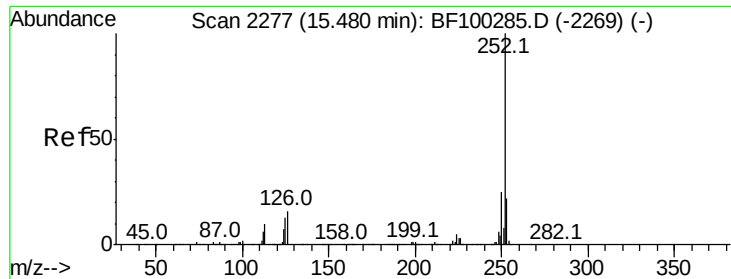
Delta R.T. -0.01 min

Lab File: BF100795.D

Acq: 21 Nov 2017 21:54

Tgt Ion:	252	Resp:	34709
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.9	26.9#
125	12.7	10.2	15.2





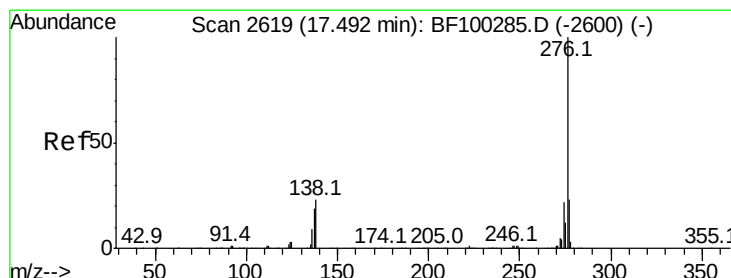
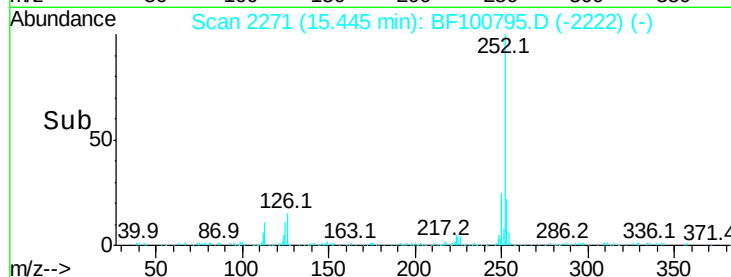
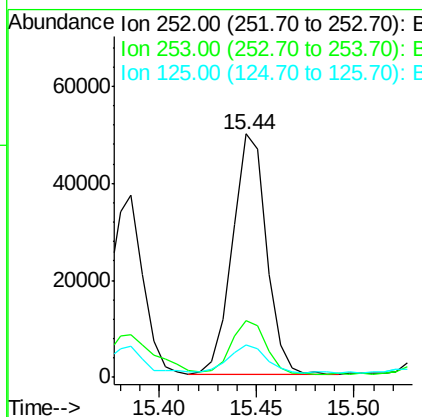
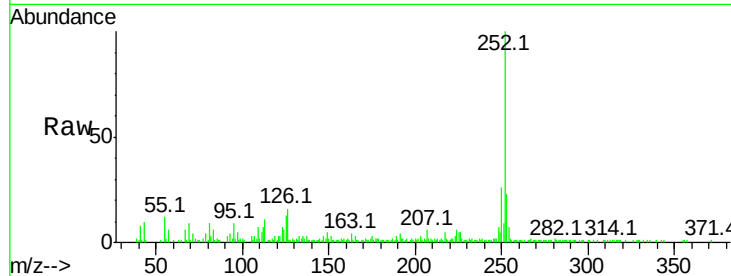
#89
Benzo(a)pyrene
Concen: 6.864 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	60505		
253	23.1		17.1	25.7
125	13.3		9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.488 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF100795.D
Acq: 21 Nov 2017 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	31676		
277	28.4		17.9	26.9#
138	24.3		21.8	32.8

