

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100847.D
 Acq On : 23 Nov 2017 2:08
 Operator : SJ/JU
 Sample : I6289-07 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112117

Manual Integrations
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Sohil
 11/27/2017 3:20:42 PM

Quant Time: Nov 27 04:08:49 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	6.86	152	73799	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	278689	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	120250	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	189899	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	147764	20.00	ng	-0.02
86) Perylene-d12	15.50	264	165029	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	49110	10.67	ng	-0.02
7) Phenol-d6	6.48	99	61177	10.78	ng	-0.03
23) Nitrobenzene-d5	7.42	82	35867	8.51	ng	-0.04
41) 2,4,6-Tribromophenol	10.69	330	13476	11.00	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	84008	10.64	ng	-0.02
78) Terphenyl-d14	12.97	244	53980	8.39	ng	-0.02
Target Compounds						
57) Fluorene	10.45	166	16170	2.071	ng	Qvalue # 95
70) Phenanthrene	11.41	178	105528	10.554	ng	96
71) Anthracene	11.46	178	31447	3.100	ng	97
74) Fluoranthene	12.60	202	130372	12.303	ng	97
77) Pyrene	12.83	202	111510	10.587	ng	98
80) Benzo(a)anthracene	14.02	228	60764m	6.829	ng	
82) Chrysene	14.05	228	59281m	6.880	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	32381	4.646	ng	93
87) Benzo(b)fluoranthene	15.07	252	87112m	8.910	ng	
88) Benzo(k)fluoranthene	15.09	252	24844m	2.689	ng	
89) Benzo(a)pyrene	15.43	252	62299	7.187	ng	95
91) Benzo(a,h,i)perylene	17.43	276	30765	4.434	ng	# 92

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

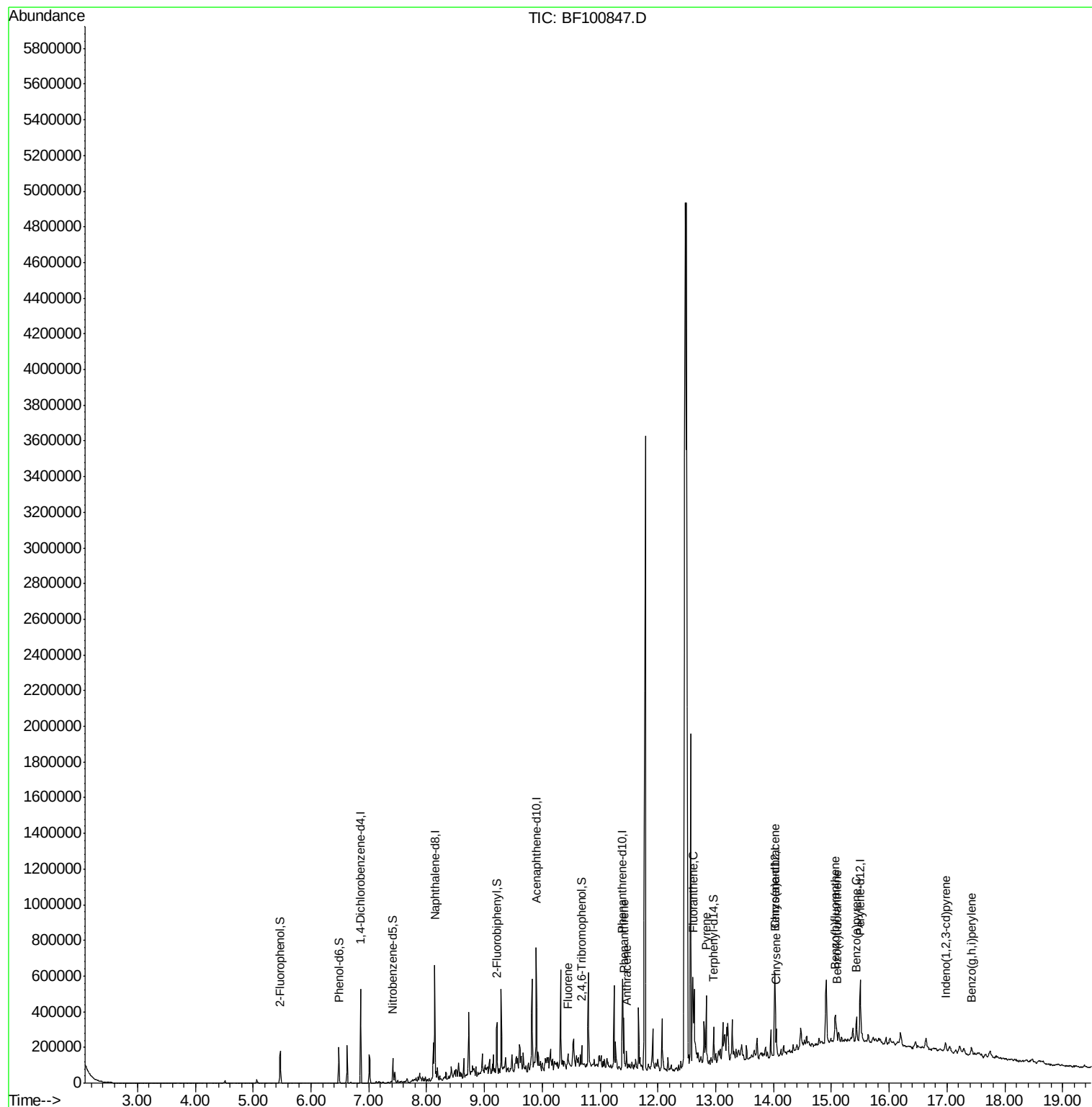
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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ALS Vial : 20 Sample Multiplier: 1

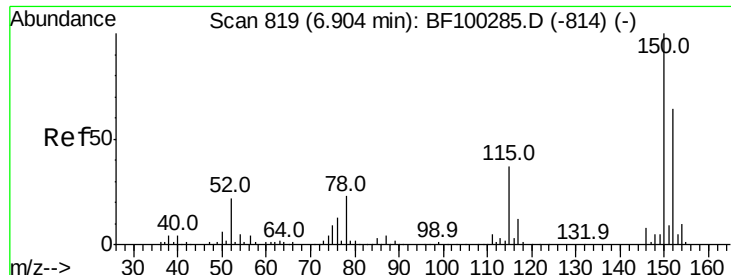
Instrument :
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SU-04-112117

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#1

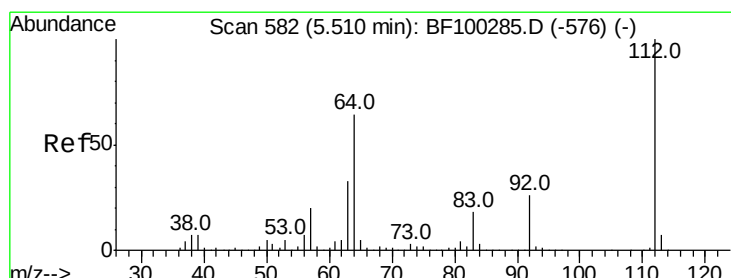
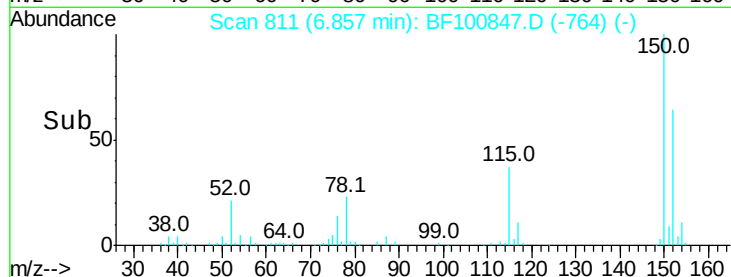
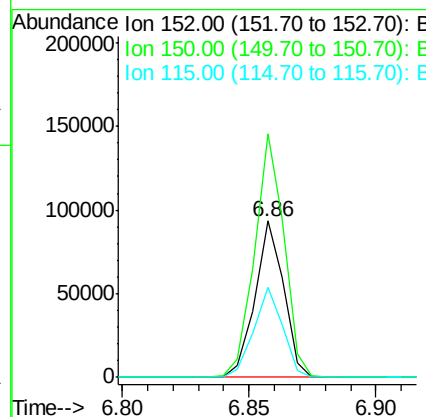
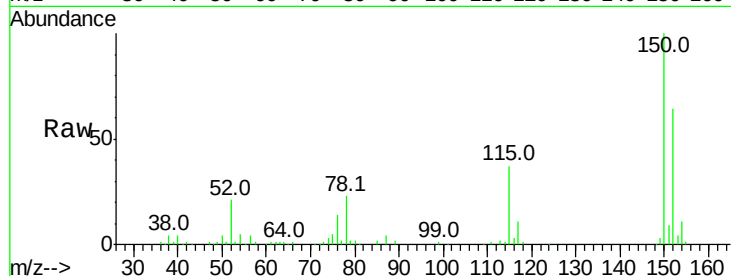
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
SU-04-112117

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	57.7	50.1	75.1

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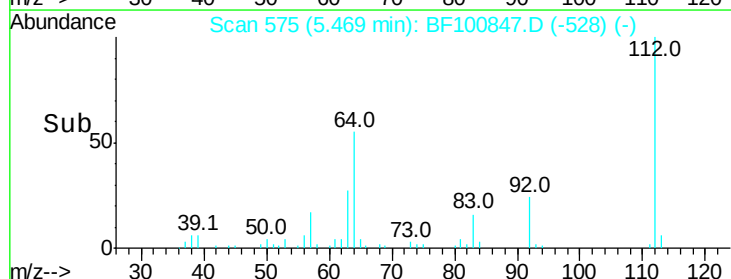
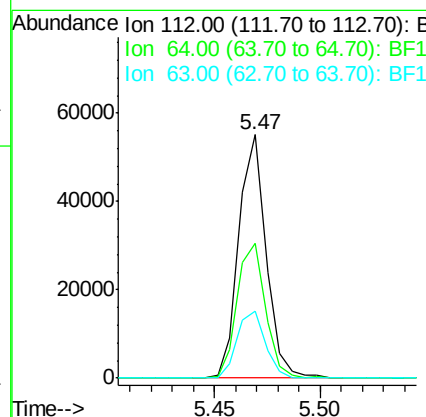
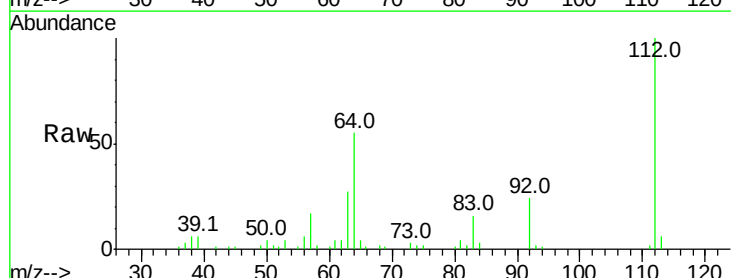
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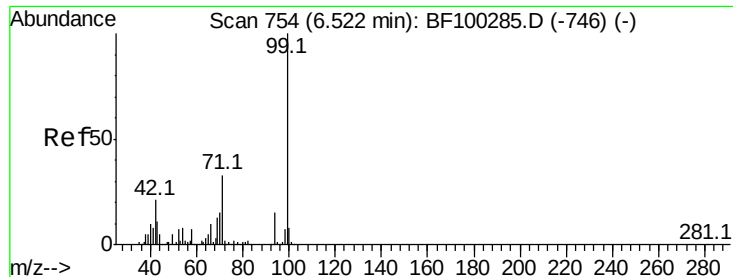


#5

2-Fluorophenol
Concen: 10.667 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	27.4	23.7	35.5





#7

Phenol-d6

Concen: 10.776 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Instrument :

BNA_F

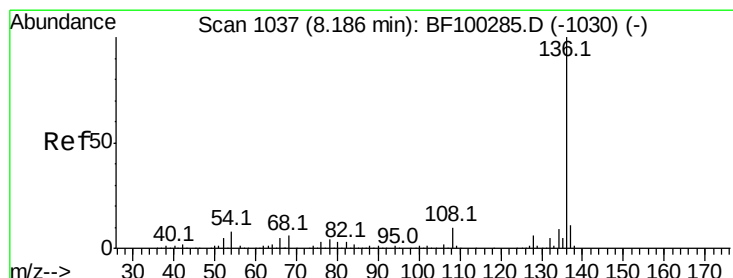
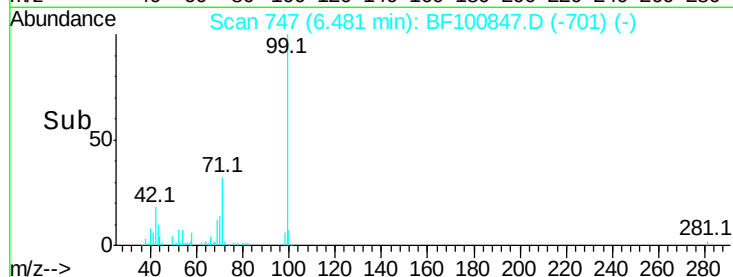
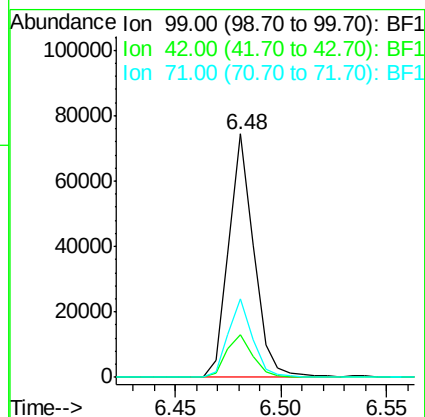
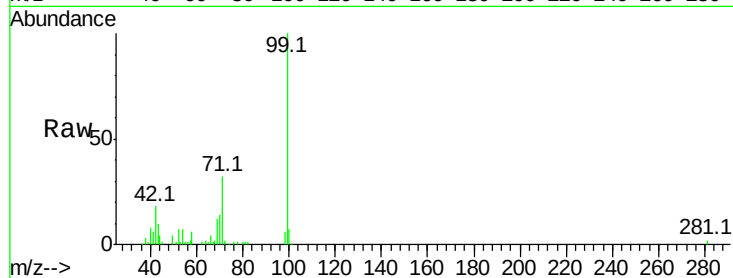
ClientSampled :

SU-04-112117

Tot Ion	99	Resp	61177
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.5	21.7
71	32.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

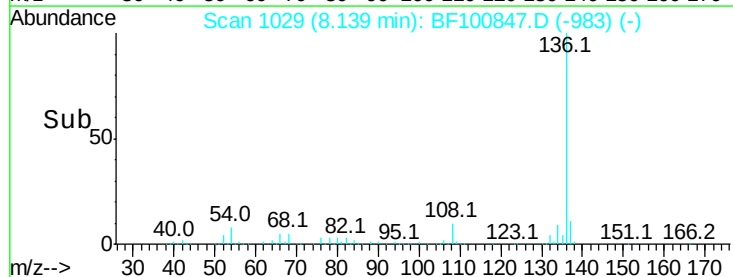
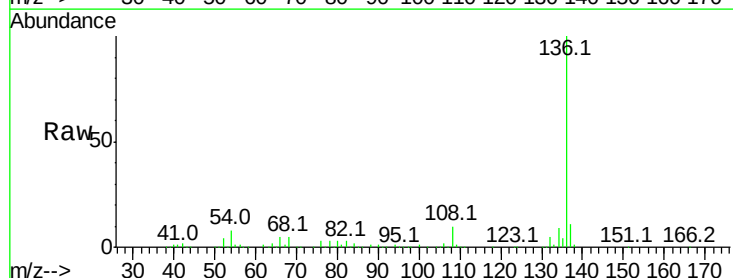
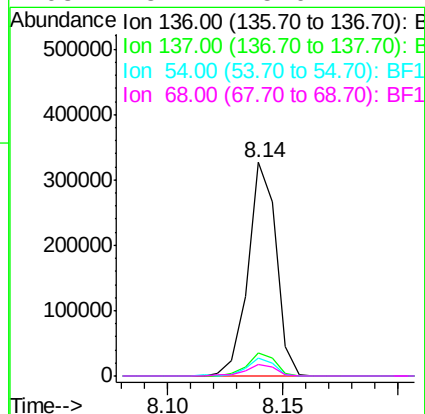
RT: 8.14 min Scan# 1029

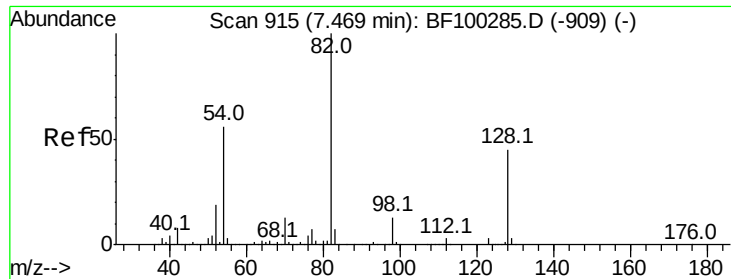
Delta R.T. -0.03 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Tgt Ion	136	Resp	278689
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.4	5.0	7.4





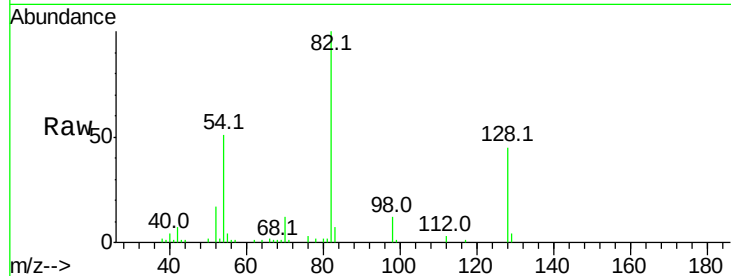
#23
Nitrobenzene-d5
Concen: 8.509 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.04 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
SU-04-112117

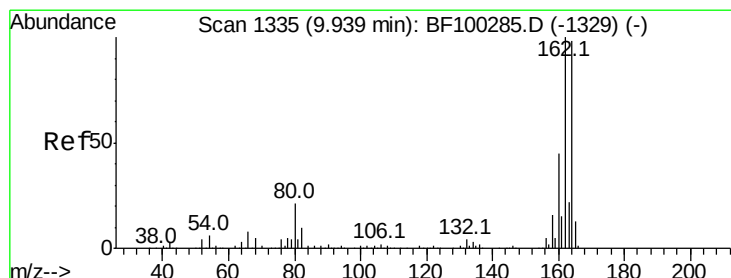
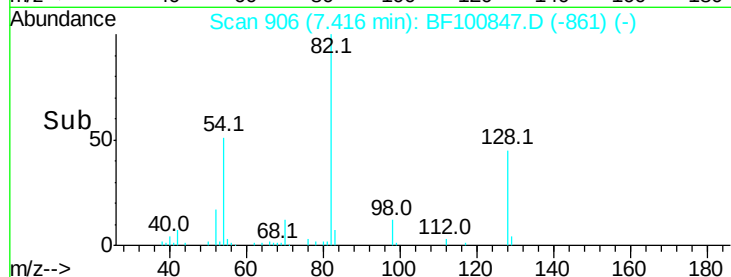
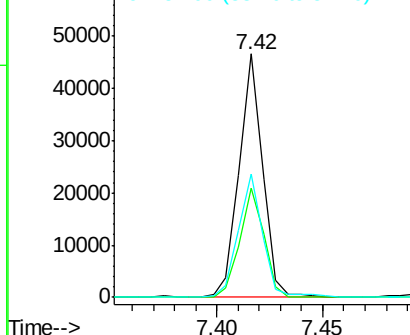
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	50.6	41.4	62.2

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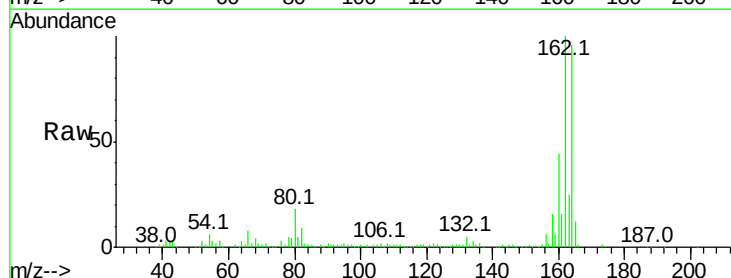


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

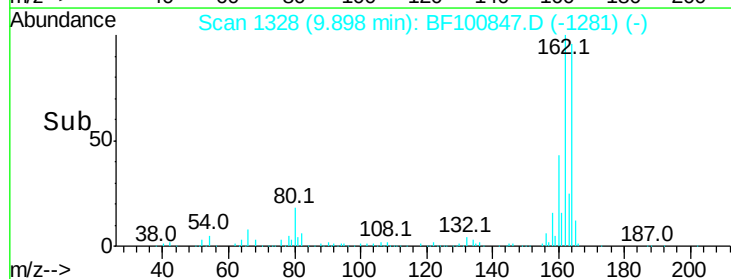
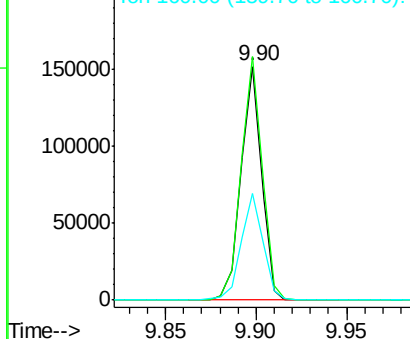


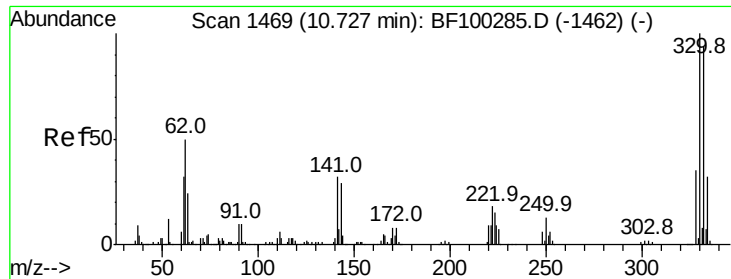
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.5	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





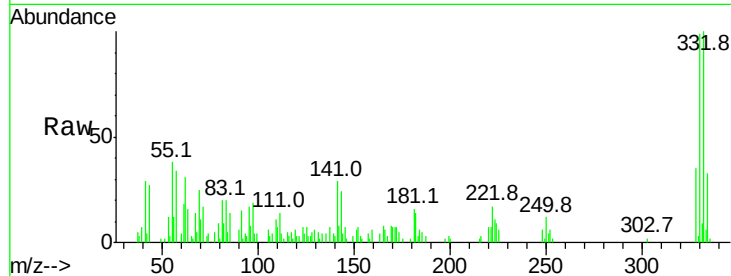
#41
 2,4,6-Tribromophenol
 Concen: 10.998 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112117

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	77.0	115.6	
141	36.7	29.9	44.9	

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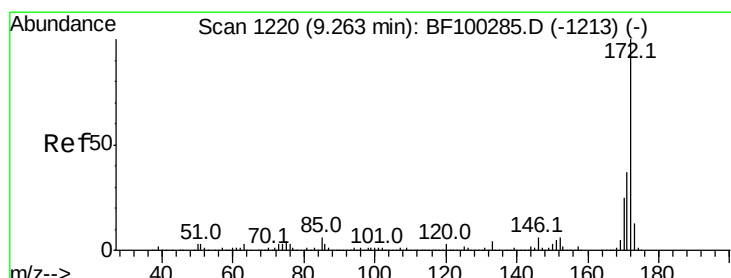
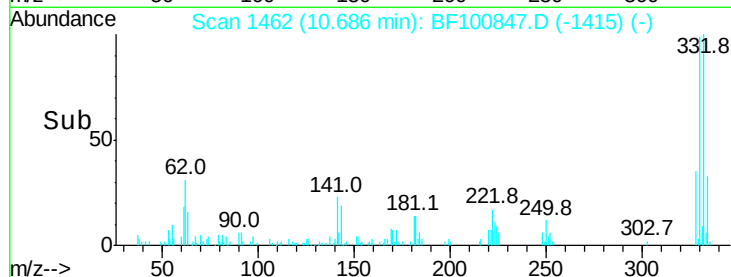
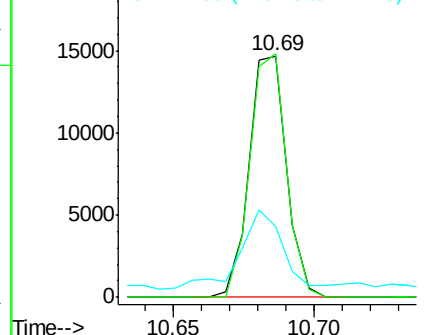


Abundance

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: 10.638 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

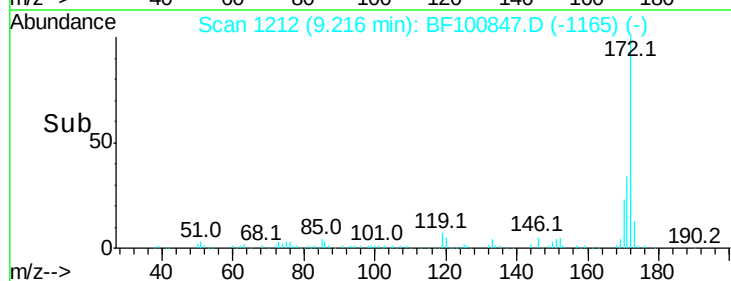
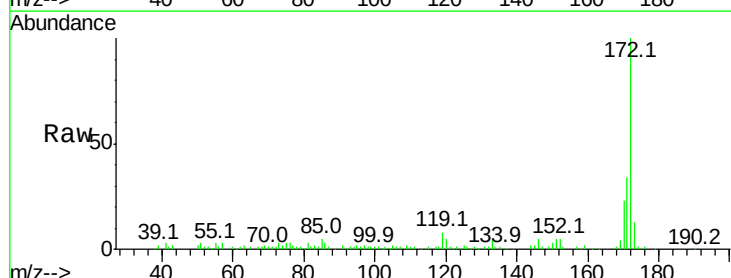
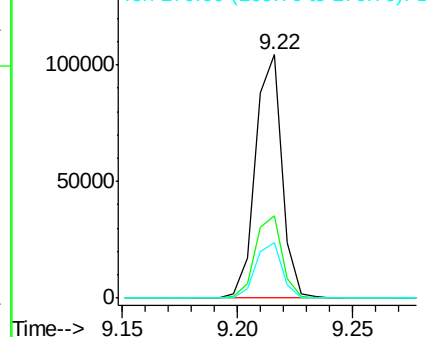
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.8	29.7	44.5	
170	22.8	19.6	29.4	

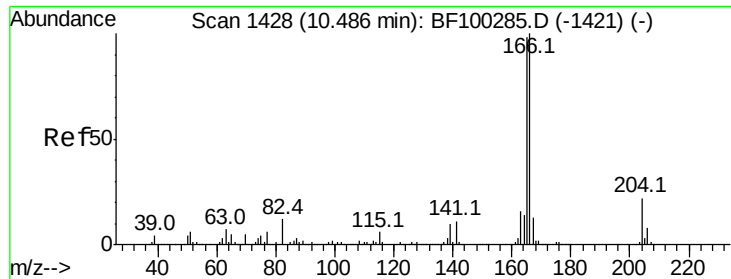
Abundance

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





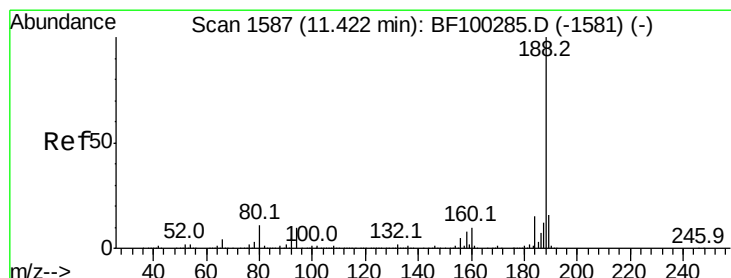
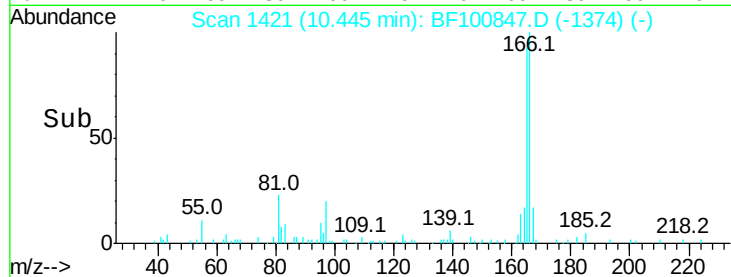
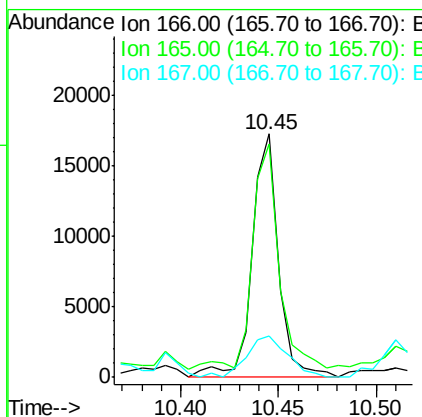
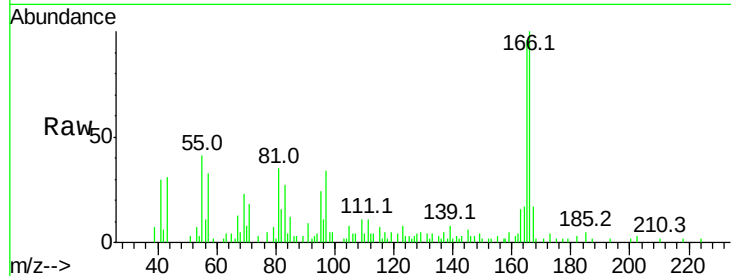
#57
Fluorene
 Concen: 2.071 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112117

Tot Ion	Ratio	Resp	Lower	Upper
166	100	16170		
165	95.8	79.8	119.8	
167	16.9	10.6	16.0#	

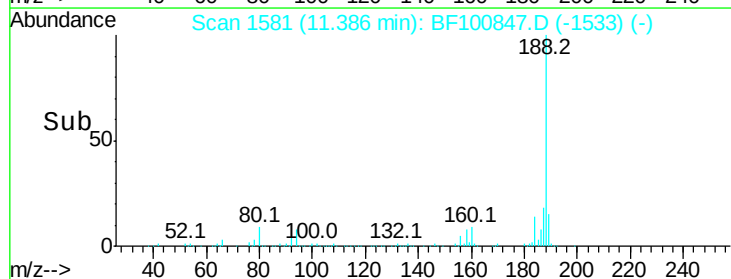
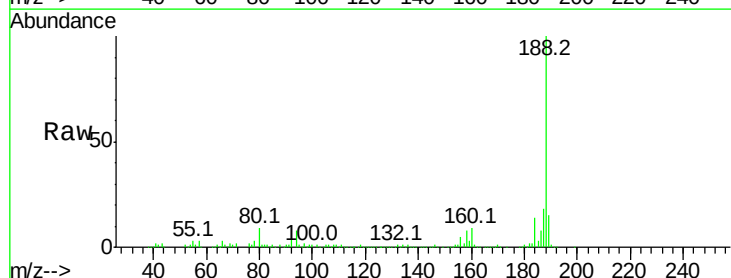
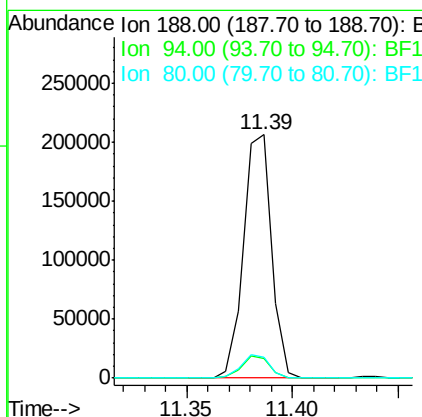
Manual Integrations
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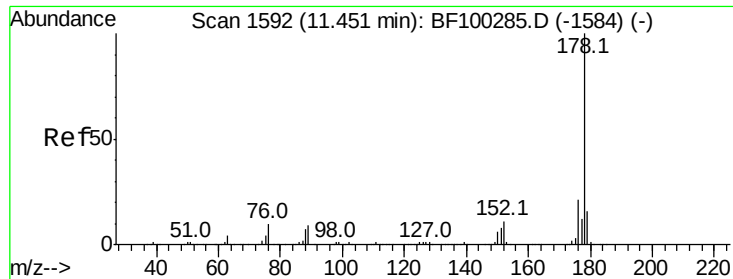
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	189899		
94	8.3	8.5	12.7#	
80	8.8	9.2	13.8#	





#70

Phenanthrene

Concen: 10.554 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Instrument :

BNA_F

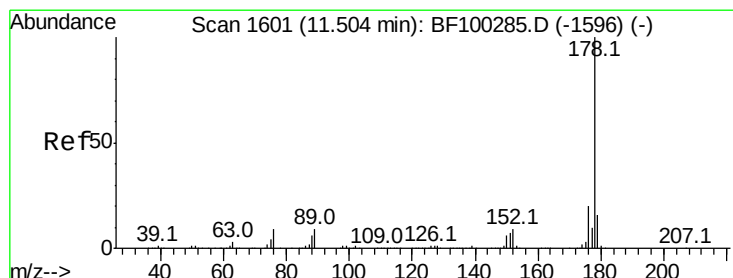
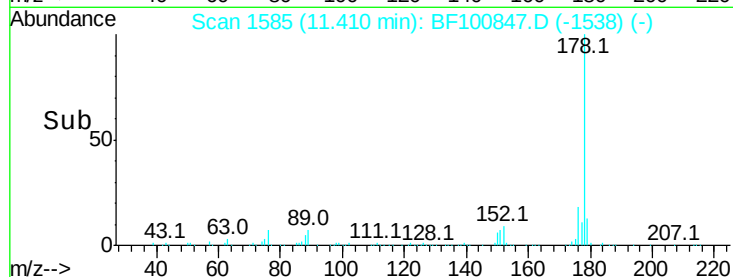
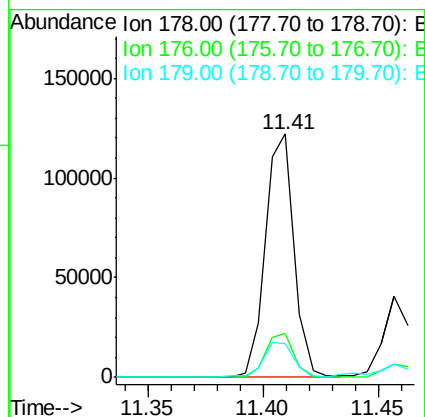
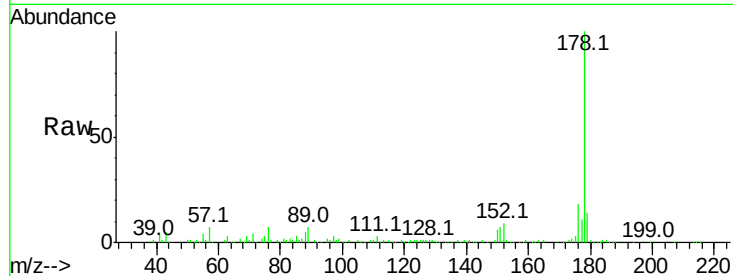
ClientSampleId :

SU-04-112117

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	13.8	13.0	19.6

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#71

Anthracene

Concen: 3.100 ng

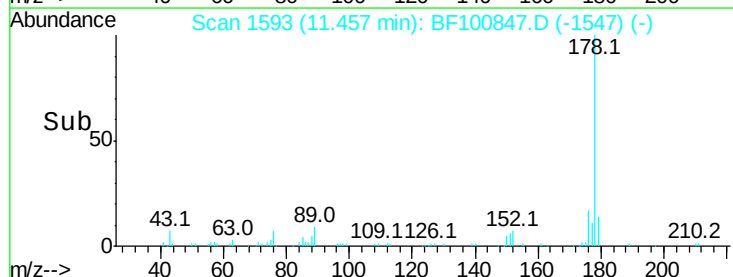
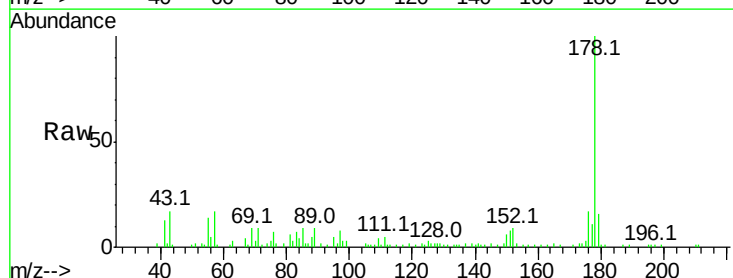
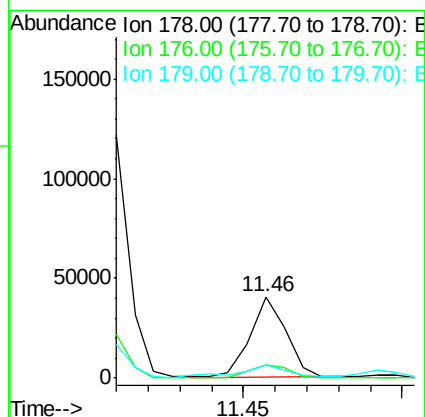
RT: 11.46 min Scan# 1593

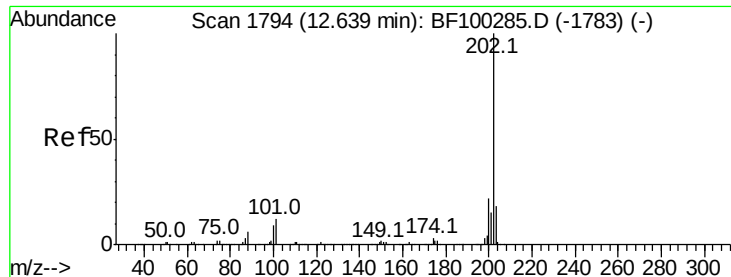
Delta R.T. -0.03 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 12.303 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Instrument :

BNA_F

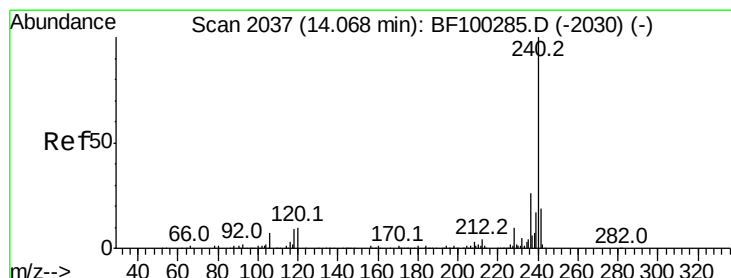
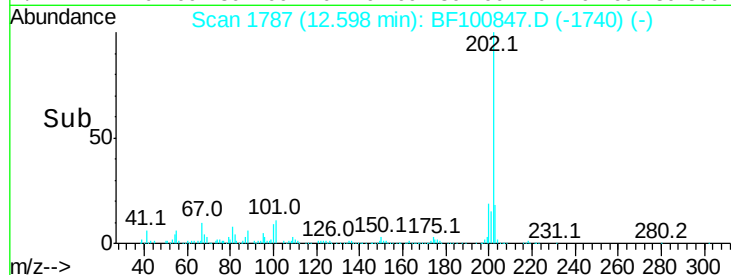
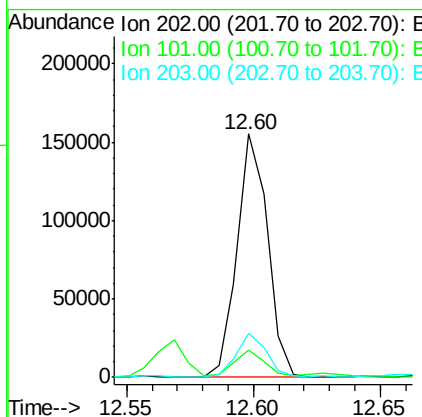
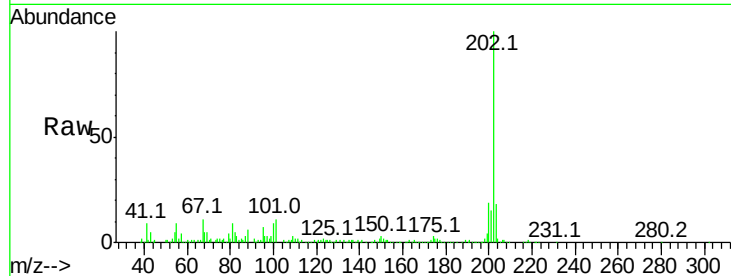
ClientSampleId :

SU-04-112117

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.1	0.0	34.1		
203	18.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

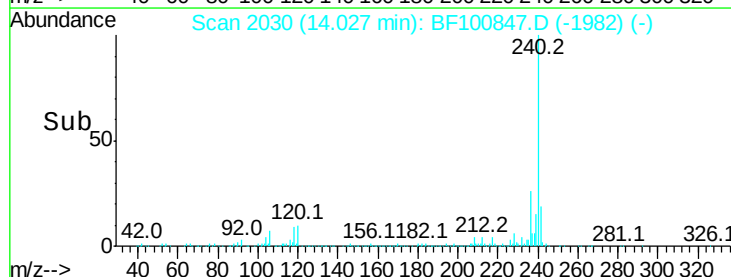
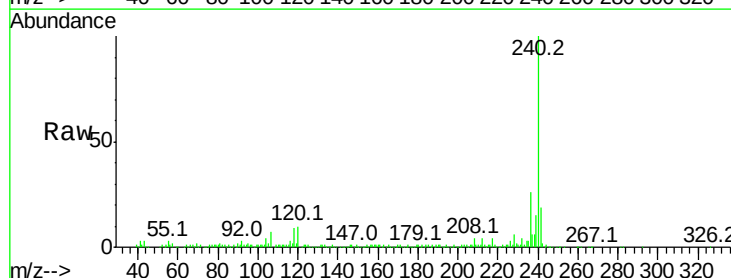
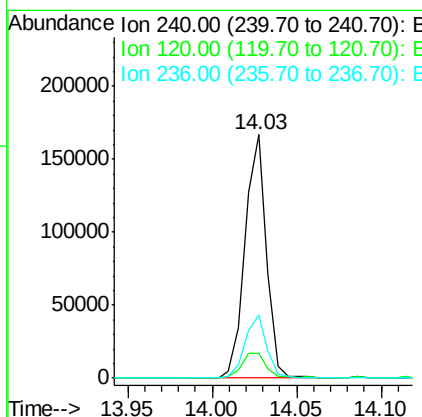
RT: 14.03 min Scan# 2030

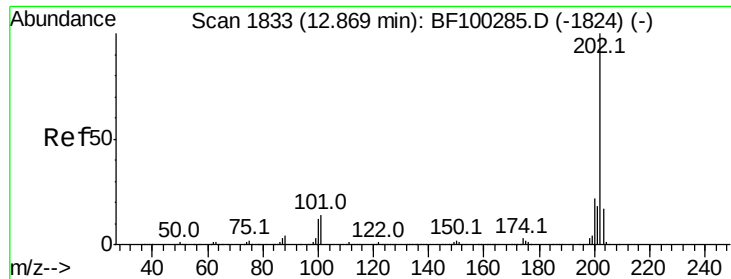
Delta R.T. -0.02 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.0	9.5	14.3		
236	26.0	20.7	31.1		





#77

Pvrene

Concen: 10.587 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Instrument :

BNA_F

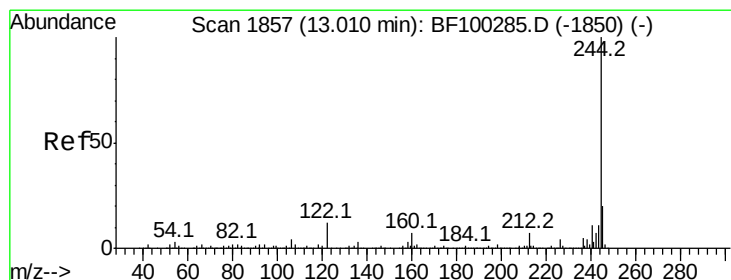
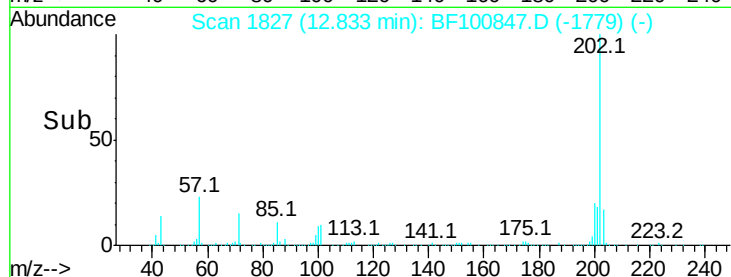
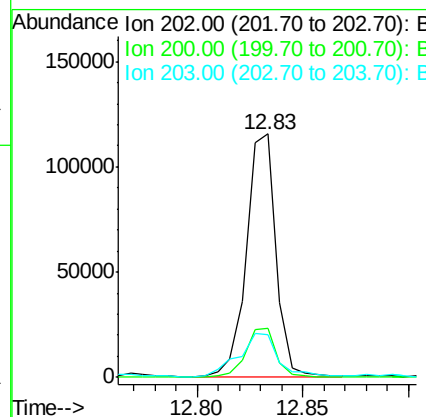
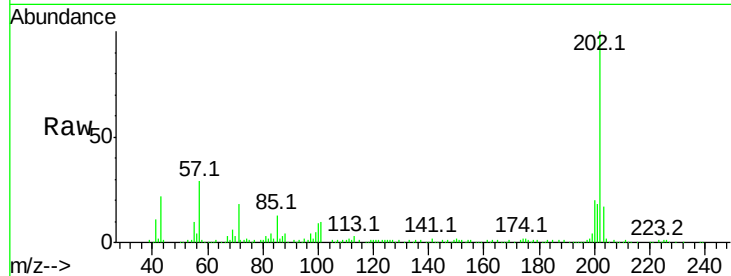
ClientSampleId :

SU-04-112117

Tot Ion:	202	Resp:	111510
Ion Ratio		Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 8.394 ng

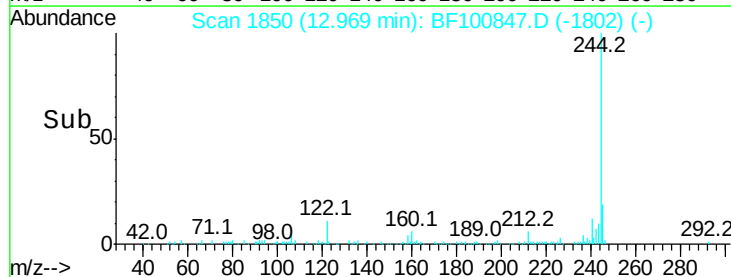
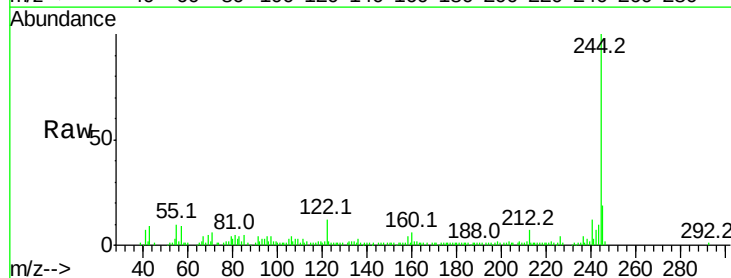
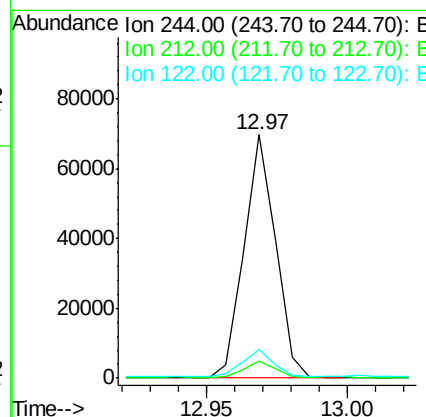
RT: 12.97 min Scan# 1850

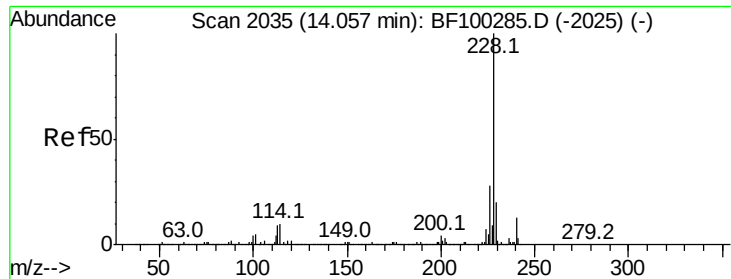
Delta R.T. -0.02 min

Lab File: BF100847.D

Acq: 23 Nov 2017 2:08

Tgt Ion:	244	Resp:	53980
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.9	11.0	16.4





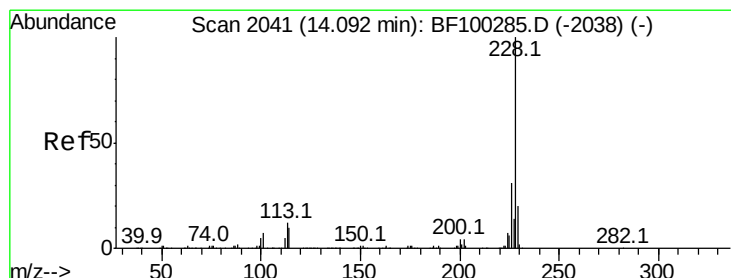
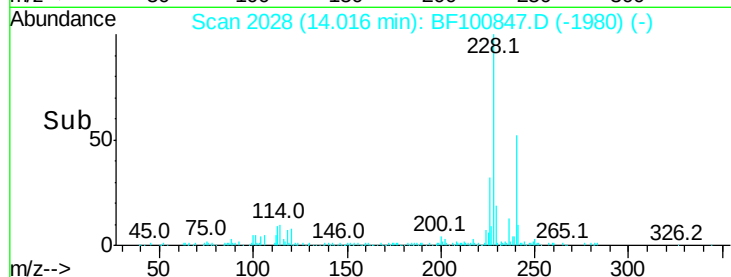
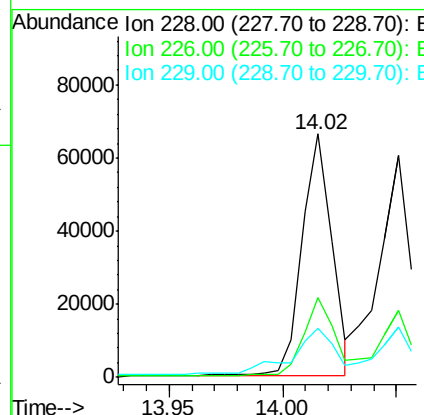
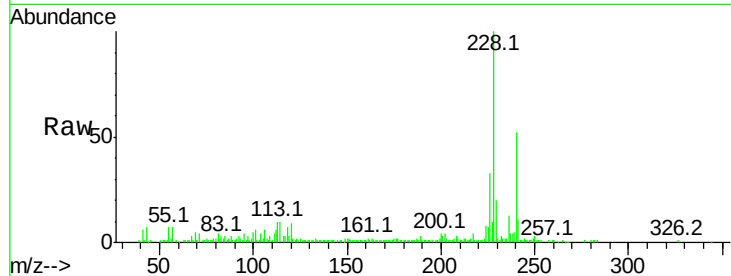
#80
Benzo(a)anthracene
Concen: 6.829 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
SU-04-112117

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	20.4	15.8	23.6

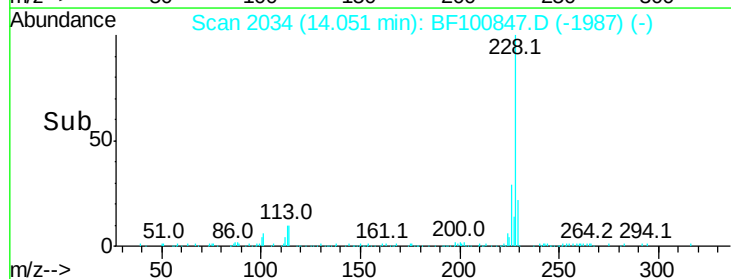
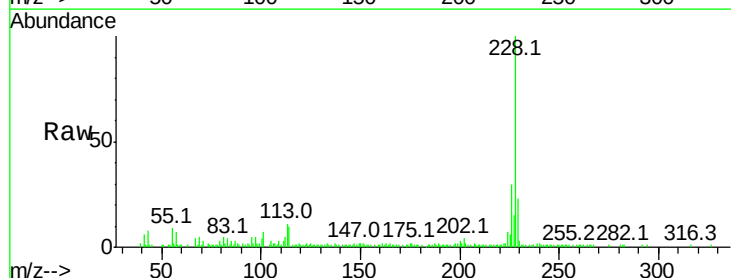
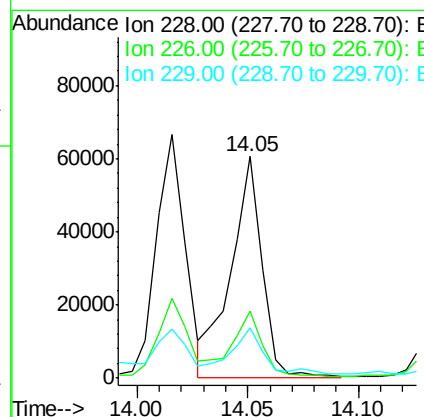
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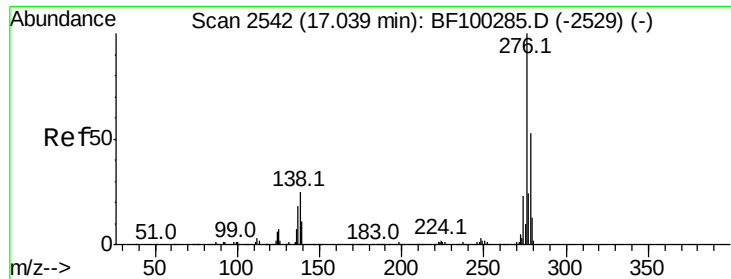
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#82
Chrysene
Concen: 6.880 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.6	16.2	24.4





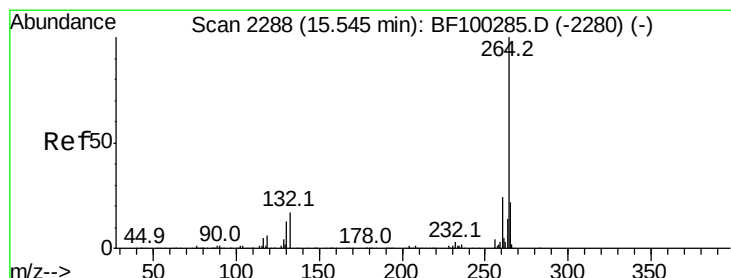
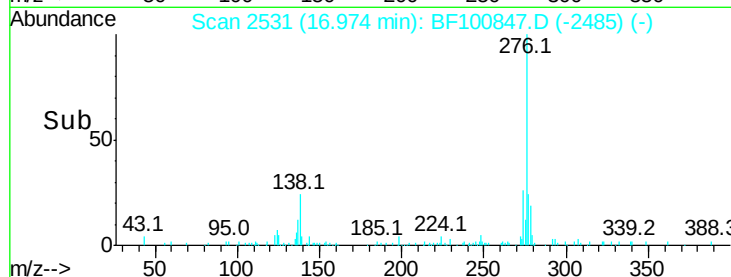
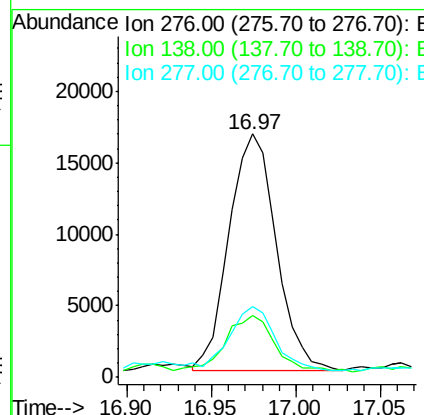
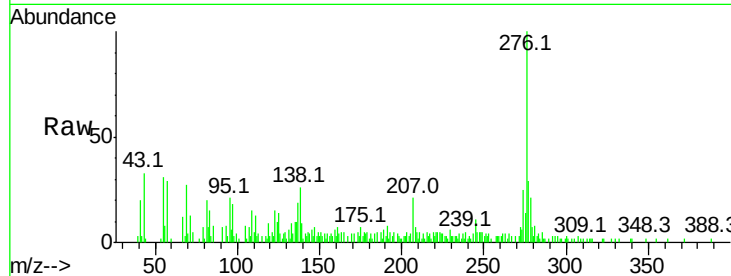
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.646 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112117

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	26.8	20.1	30.1

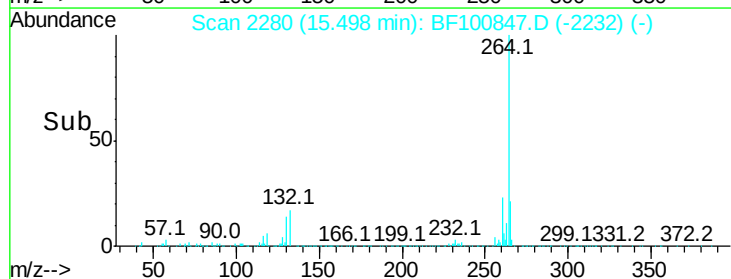
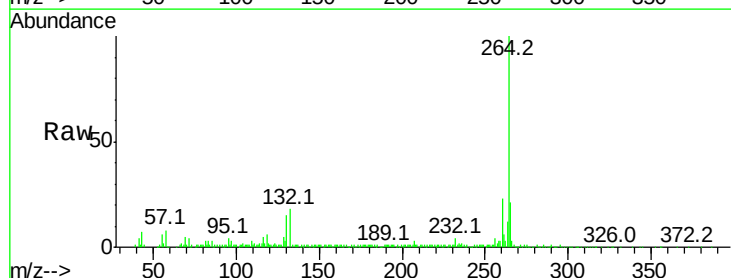
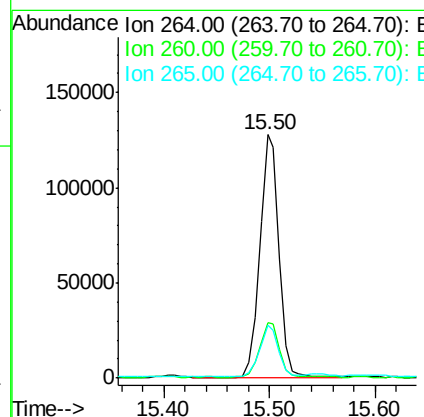
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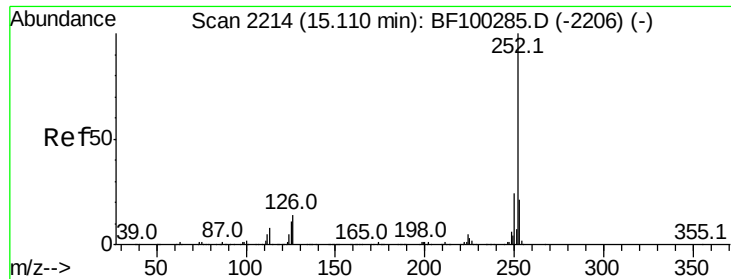
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF100847.D
 Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.5	17.5	26.3





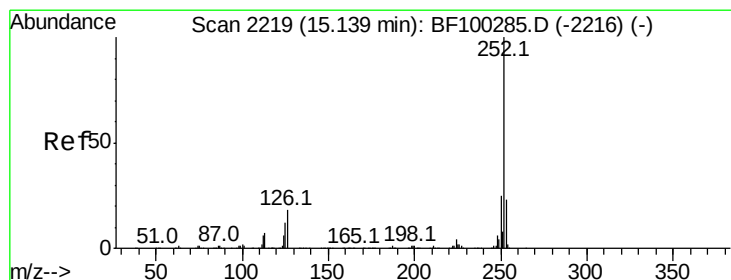
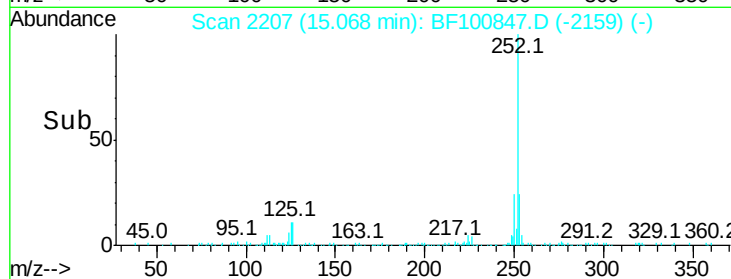
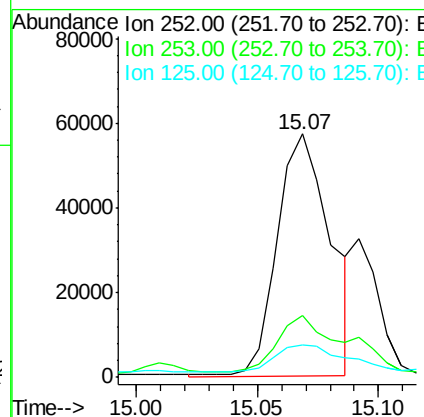
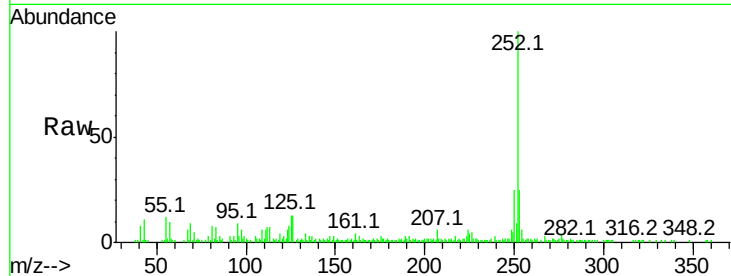
#87
Benzo(b)fluoranthene
Concen: 8.910 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
SU-04-112117

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	13.3	9.0	13.6

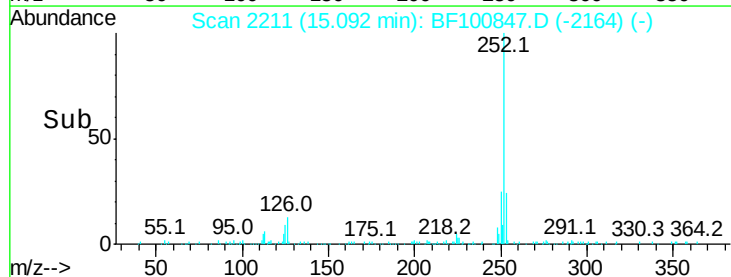
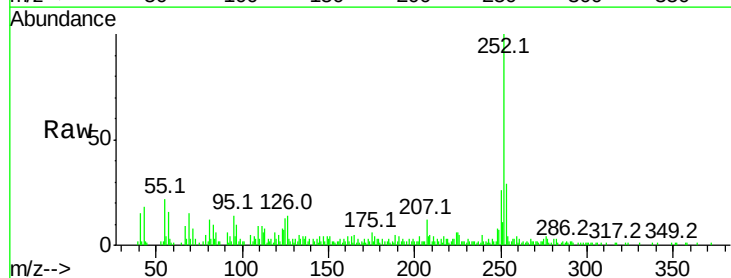
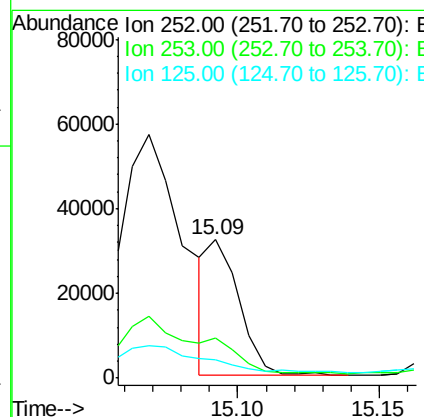
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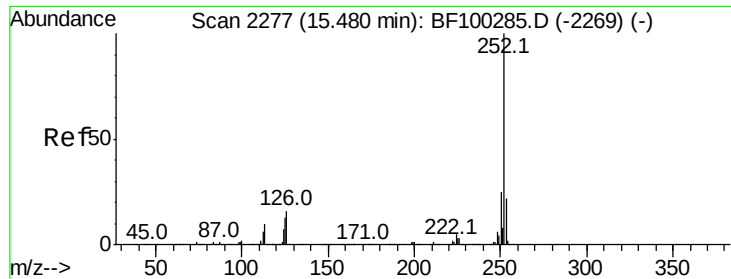
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#88
Benzo(k)fluoranthene
Concen: 2.689 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.9	26.9#
125	13.4	10.2	15.2





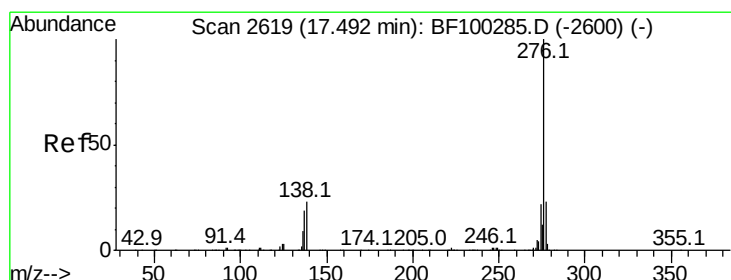
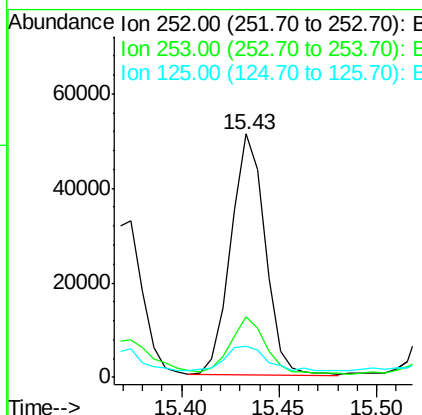
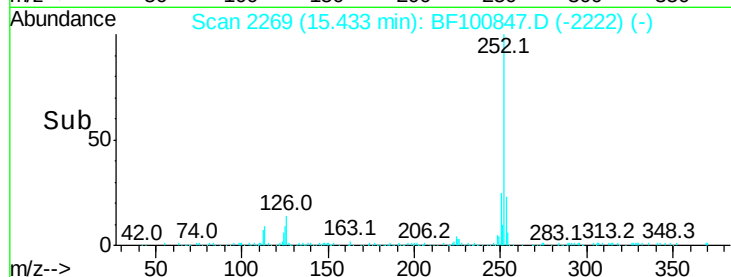
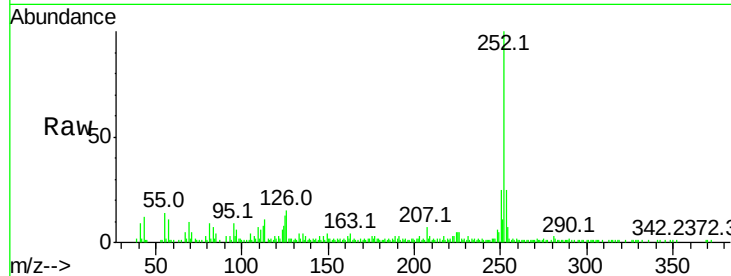
#89
Benzo(a)pyrene
Concen: 7.187 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Instrument :
BNA_F
ClientSampleId :
SU-04-112117

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	12.6	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.434 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.03 min
Lab File: BF100847.D
Acq: 23 Nov 2017 2:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	30.4	21.8	32.8

