

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102889.D
 Acq On : 9 Feb 2018 15:27
 Operator : SJ/JU
 Sample : J1506-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:36:24 AM

Quant Time: Feb 09 16:30:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	174684	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	710532	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299924	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	457675	20.00	ng	0.00
75) Chrysene-d12	14.06	240	343597	20.00	ng	0.00
86) Perylene-d12	15.54	264	335637	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1148031	99.81	ng	0.01
7) Phenol-d6	6.52	99	1397895	100.93	ng	0.01
23) Nitrobenzene-d5	7.45	82	924250	90.24	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	226893	93.99	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1273298	70.45	ng	0.00
78) Terphenyl-d14	13.00	244	902690	62.21	ng	0.00
Target Compounds						
10) Phenol	6.52	94	34780	2.343	ng	Qvalue # 70
49) Dimethylphthalate	9.63	163	115185	4.925	ng	99
70) Phenanthrene	11.43	178	203295	7.976	ng	99
74) Fluoranthene	12.63	202	214268	8.355	ng	98
77) Pyrene	12.86	202	220342	8.178	ng	99
80) Benzo(a)anthracene	14.04	228	99824	4.620	ng	99
82) Chrysene	14.08	228	95943	4.404	ng	98
87) Benzo(b)fluoranthene	15.10	252	105496m	4.848	ng	
89) Benzo(a)pyrene	15.47	252	71678	3.659	ng	# 93
91) Benzo(g,h,i)perylene	17.49	276	31306	2.012	ng	96

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

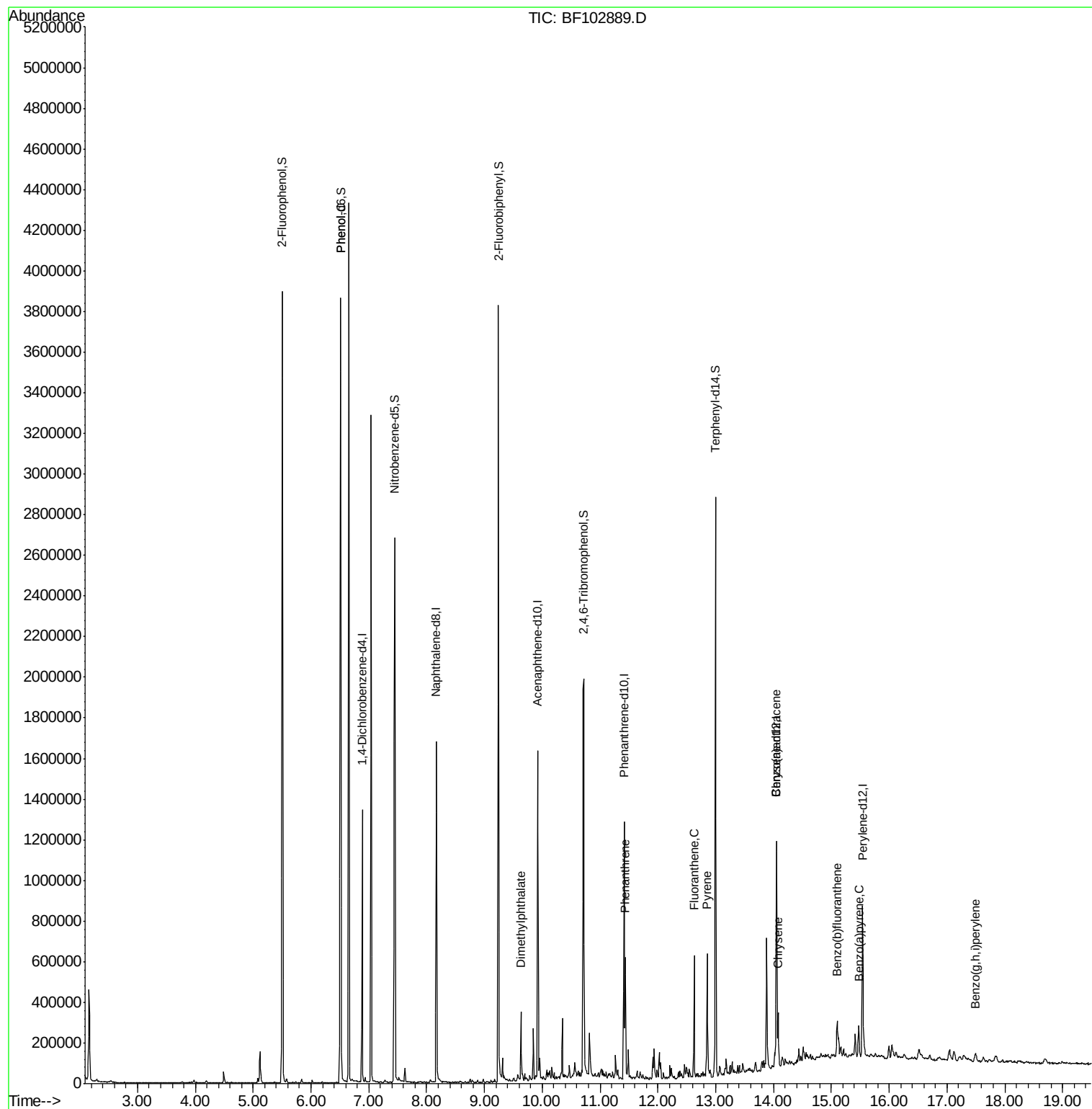
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102889.D
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Operator : SJ/JU
Sample : J1506-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

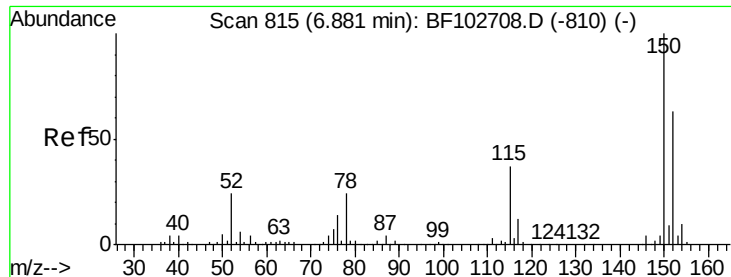
Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

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#1

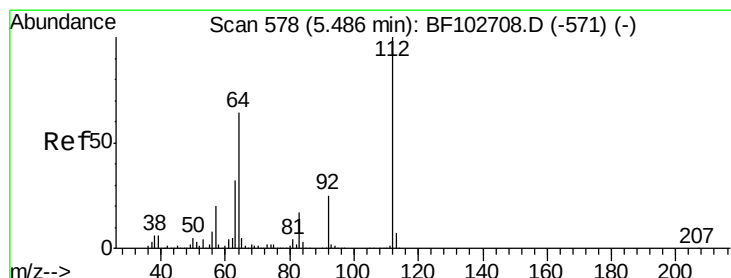
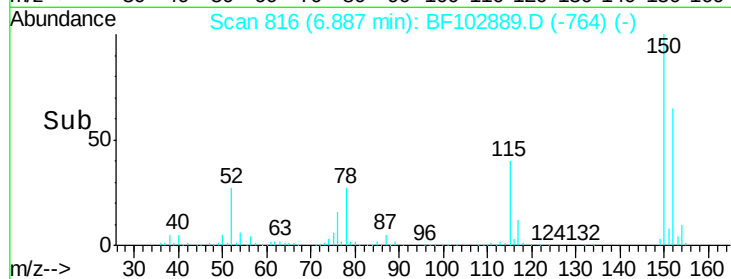
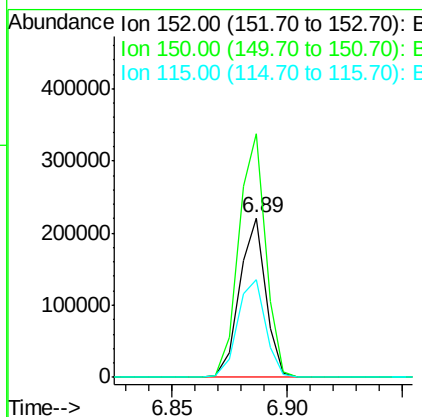
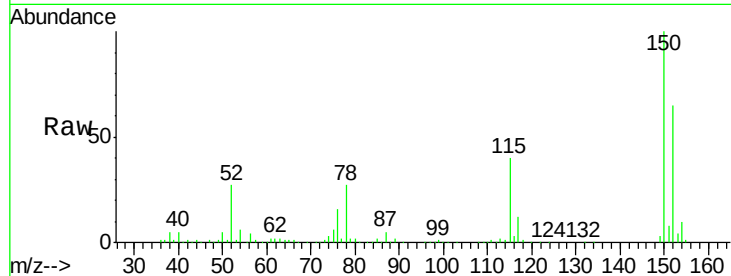
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	61.5	50.1	75.1

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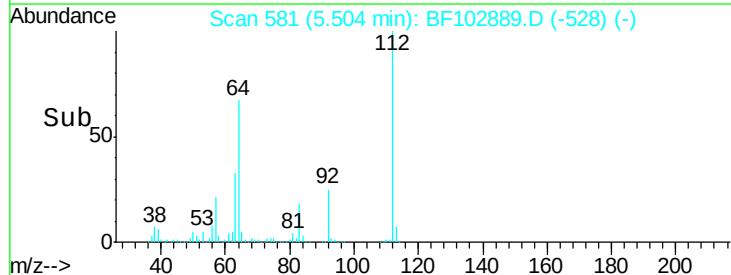
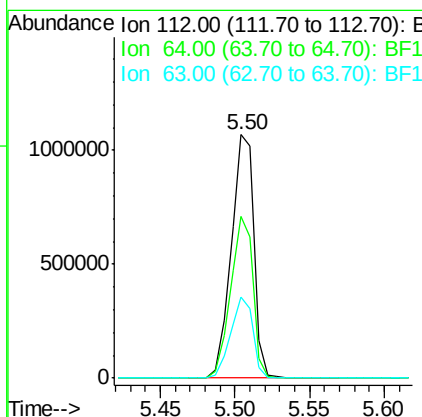
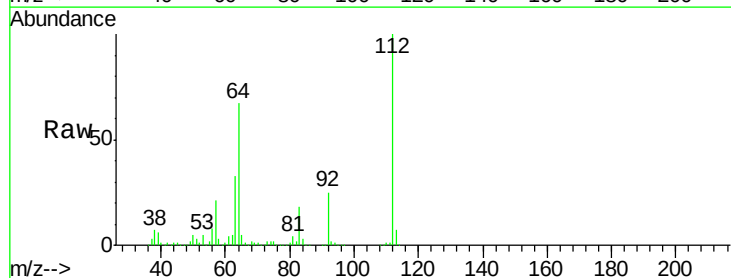
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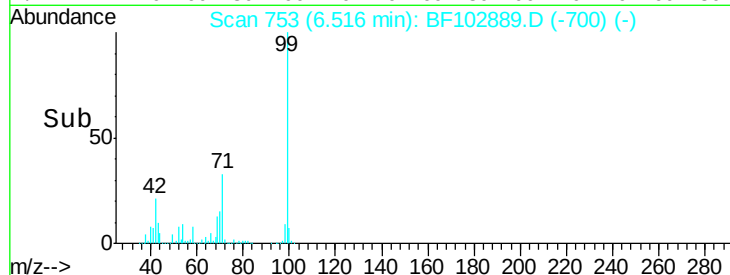
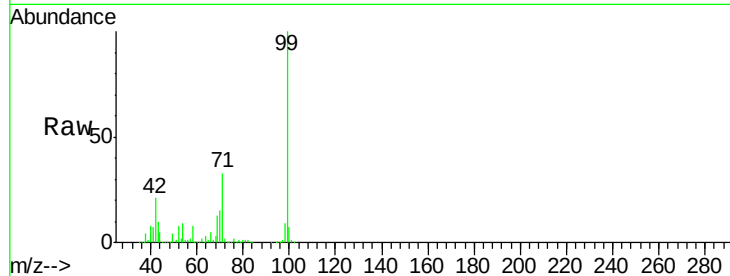
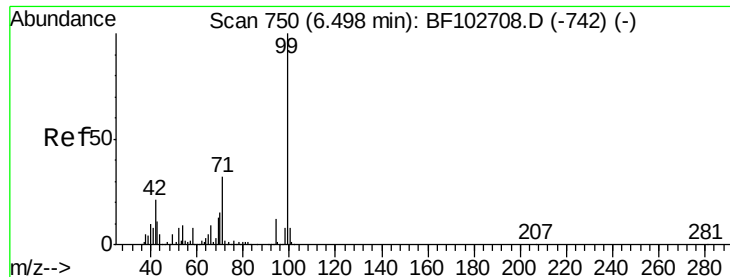


#5

2-Fluorophenol
Concen: 99.807 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	47.9	71.9
63	33.5	23.7	35.5





#7

Phenol-d6

Concen: 100.933 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Tot Ion:	99	Resp:	1397895
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	32.6	25.4	38.0

Instrument :

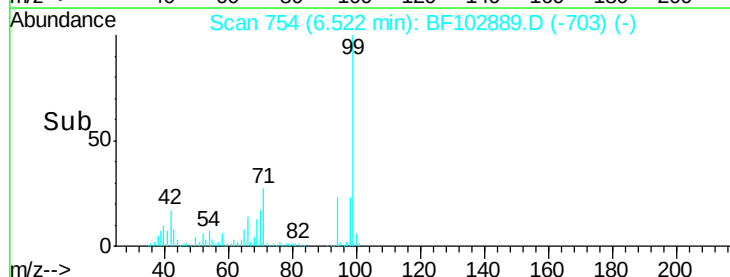
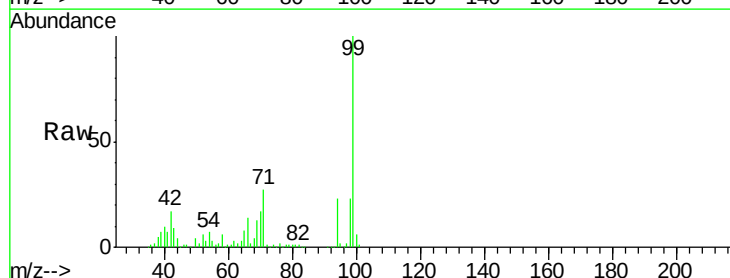
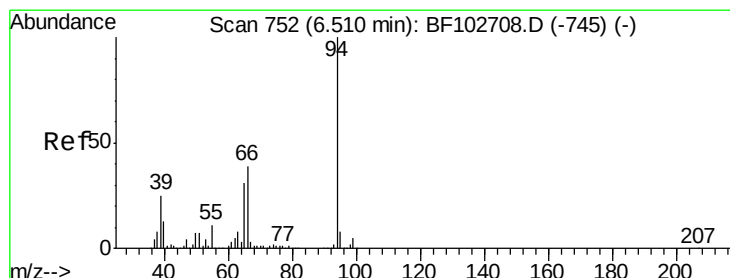
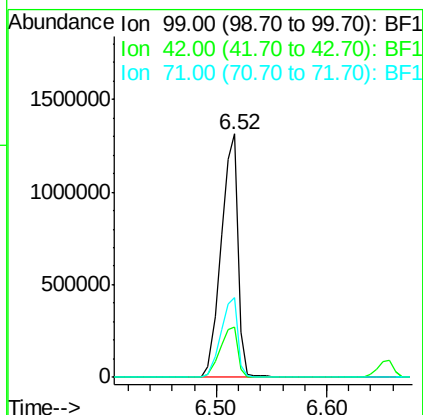
BNA_F

ClientSampleId :

B-21(2-4)

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#10

Phenol

Concen: 2.343 ng

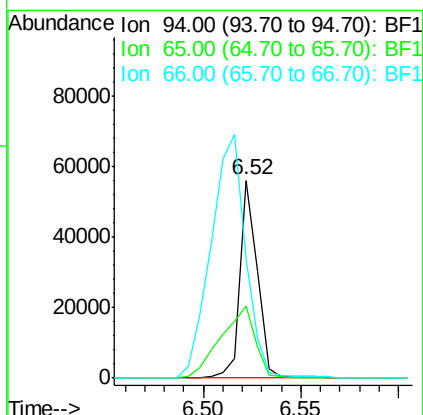
RT: 6.52 min Scan# 754

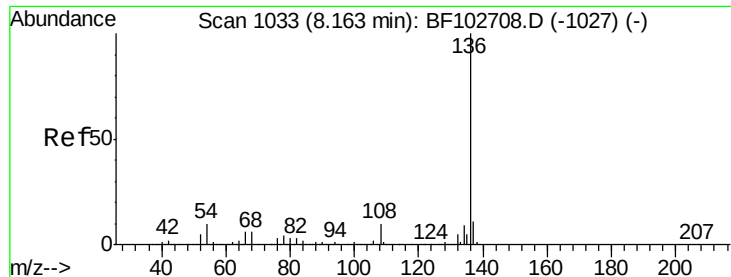
Delta R.T. 0.00 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Tgt Ion:	94	Resp:	34780
Ion	Ratio	Lower	Upper
94	100		
65	36.2	7.9	47.9
66	60.3	16.2	56.2#





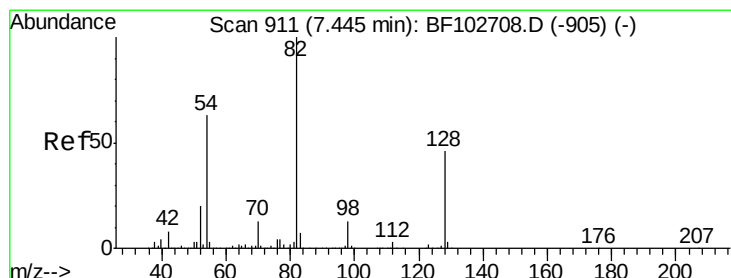
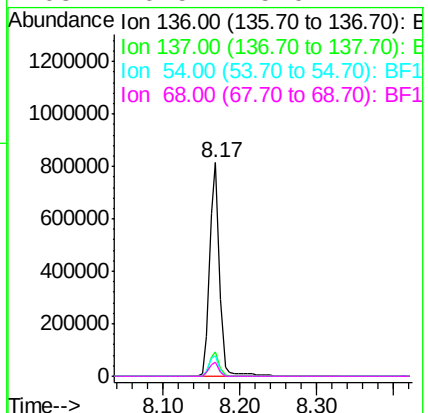
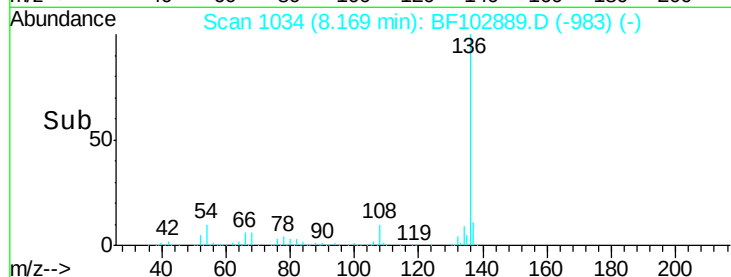
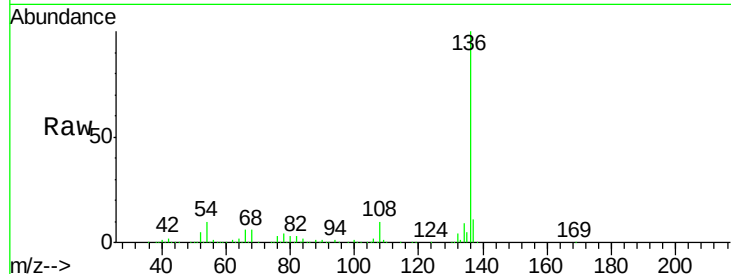
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	9.7	6.6	9.8	
68	6.5	5.0	7.4	

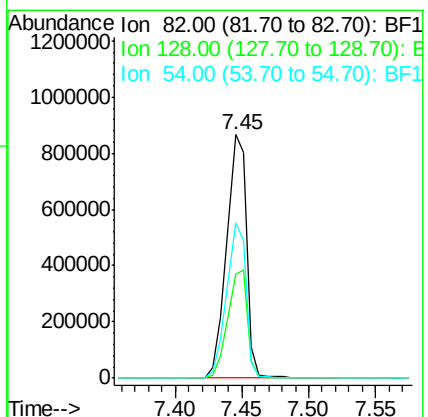
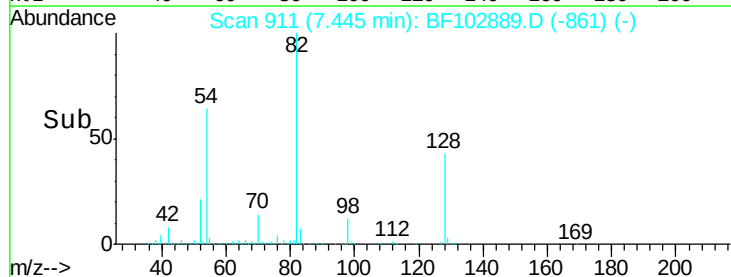
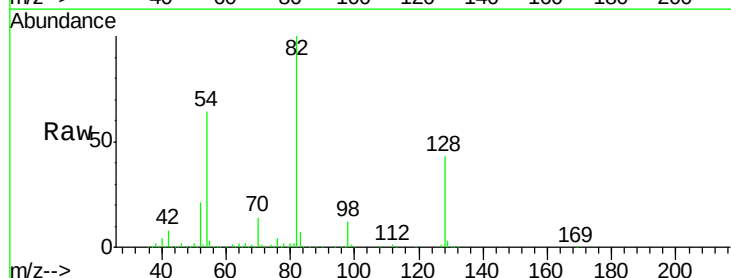
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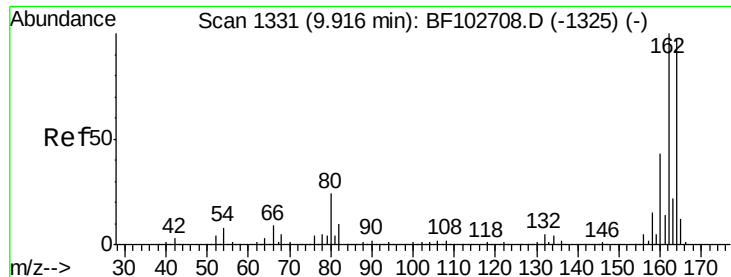
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#23
Nitrobenzene-d5
Concen: 90.236 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.9	36.1	54.1	
54	63.9	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Instrument :

BNA_F

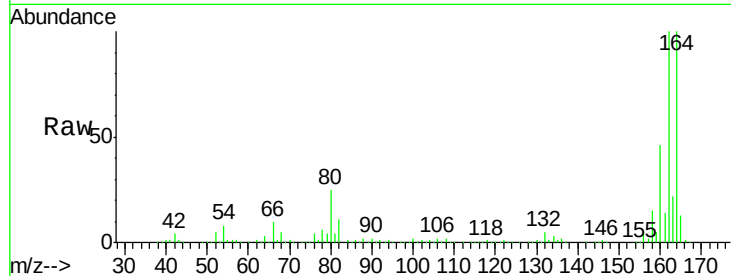
ClientSampleId :

B-21(2-4)

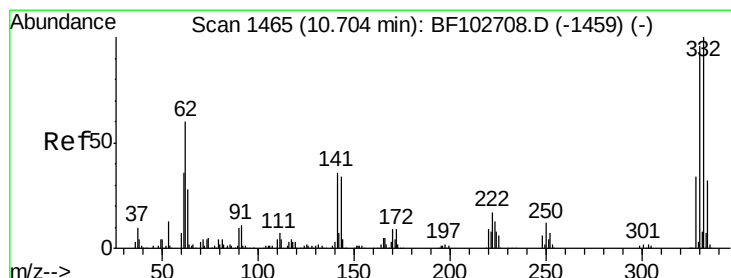
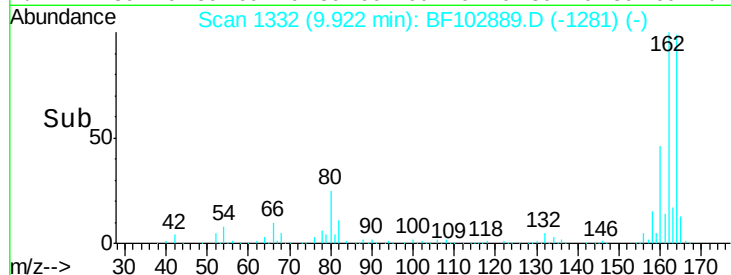
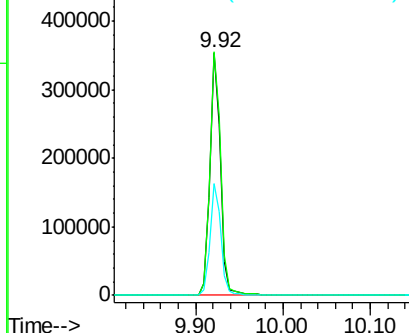
Tot Ion:	164	Resp:	299924
Ion Ratio	Lower	Upper	
164	100		
162	100.4	86.1	129.1
160	45.9	38.3	57.5

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: 93.989 ng

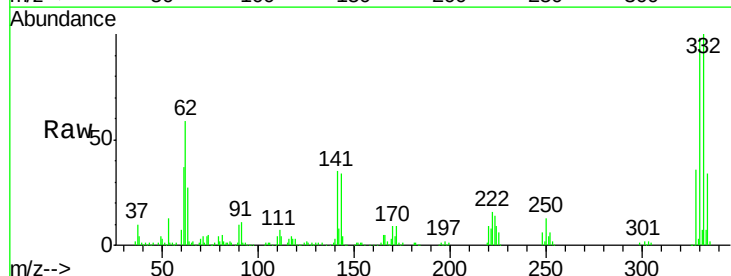
RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

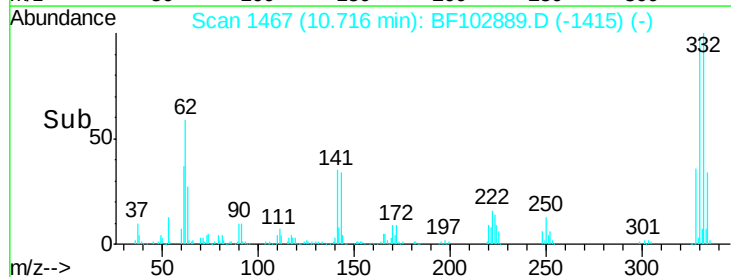
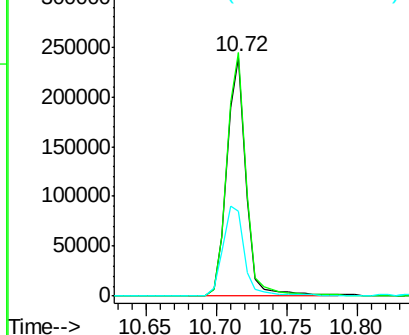
Lab File: BF102889.D

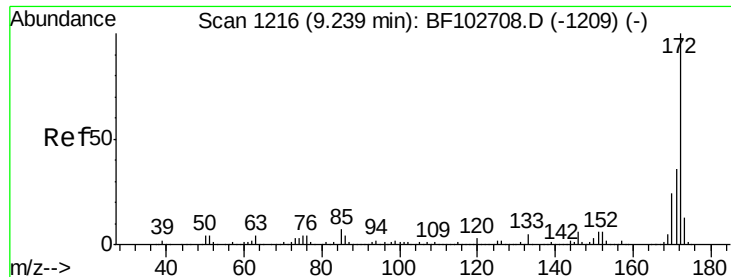
Acq: 9 Feb 2018 15:27

Tgt Ion:	330	Resp:	226893
Ion Ratio	Lower	Upper	
330	100		
332	103.4	77.0	115.6
141	43.5	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





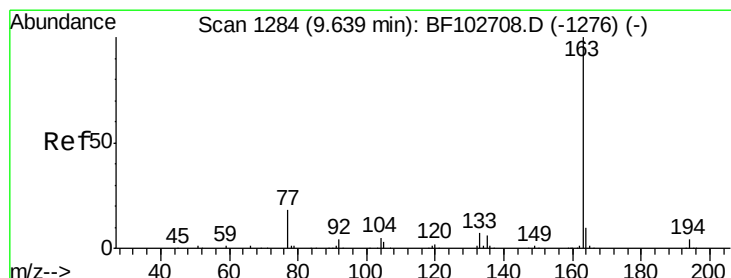
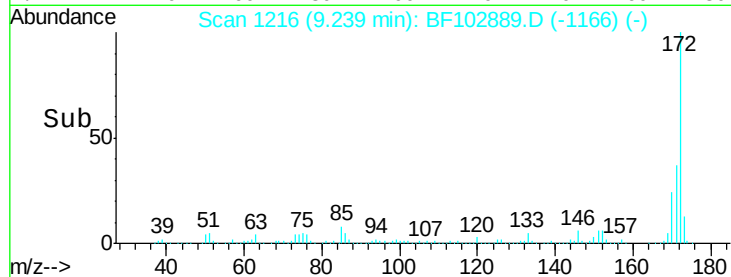
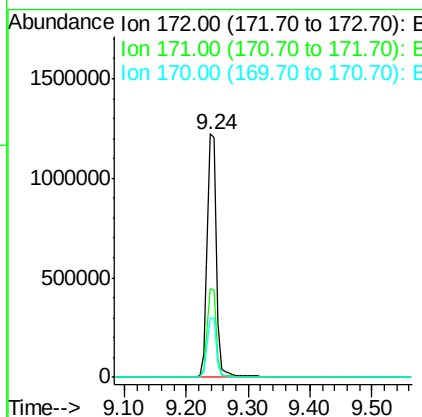
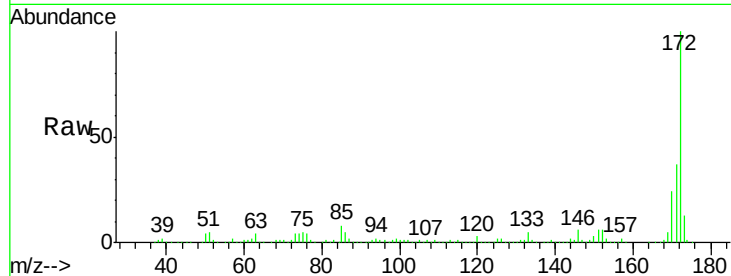
#44
2-Fluorobiphenyl
Concen: 70.446 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4

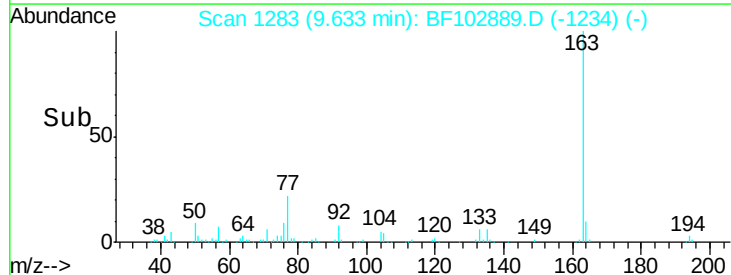
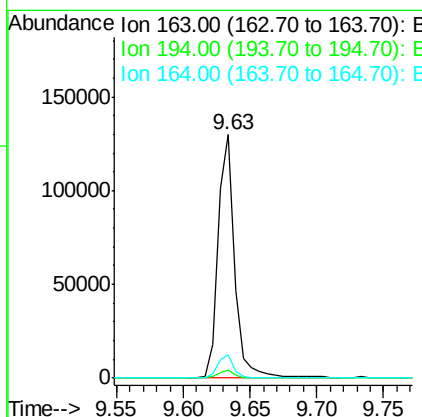
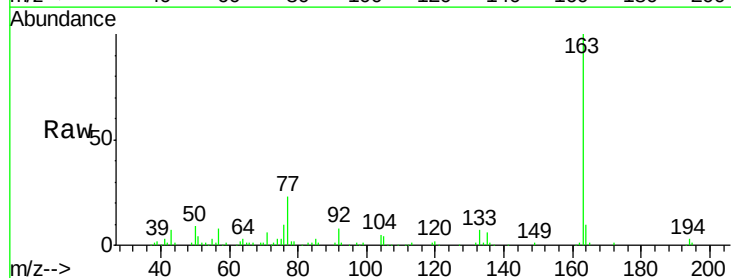
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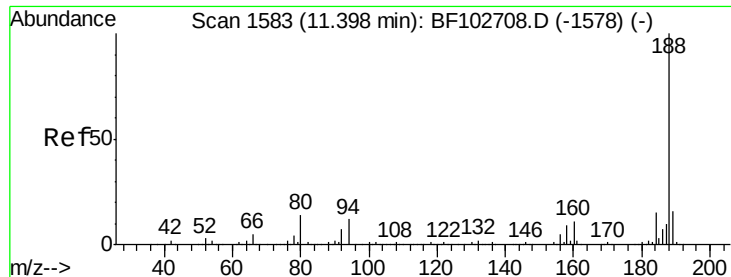
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#49
Dimethylphthalate
Concen: 4.925 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.7	8.2	12.2





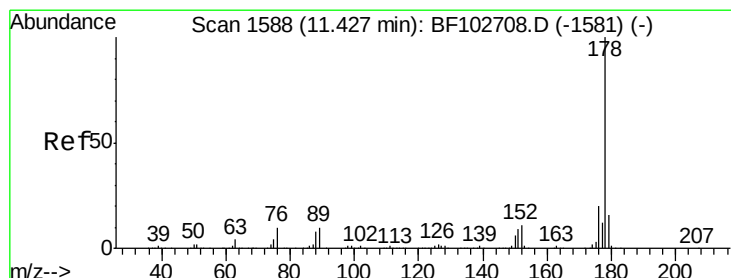
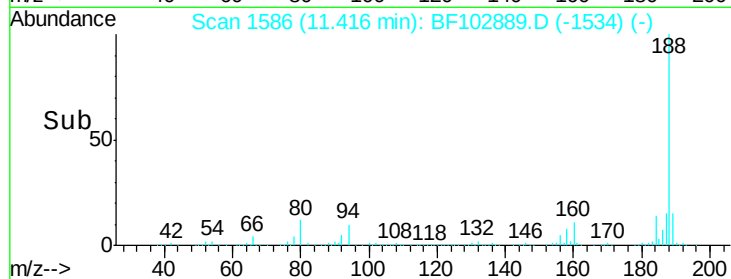
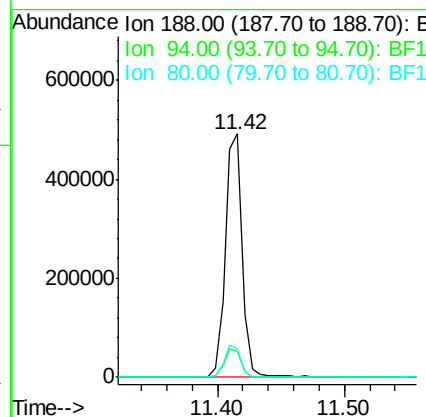
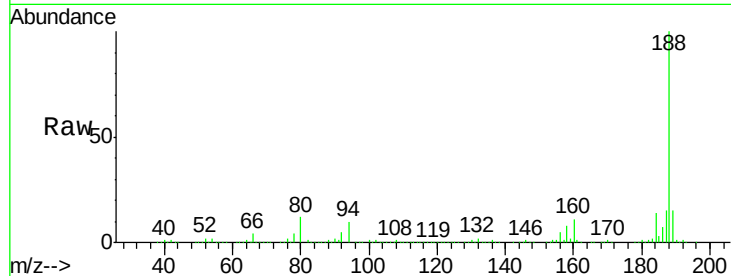
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	457675		
94	10.5		8.5	12.7
80	11.5		9.2	13.8

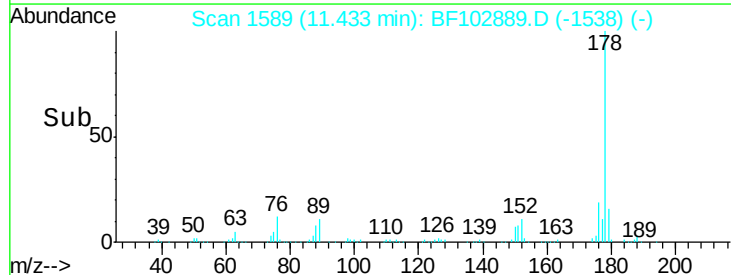
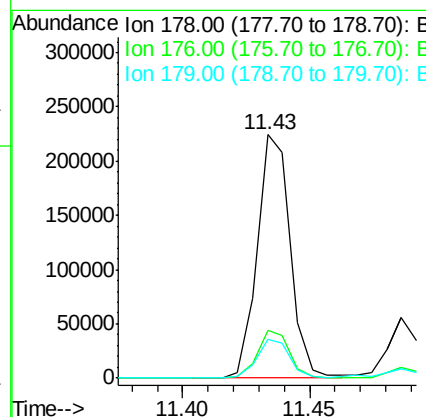
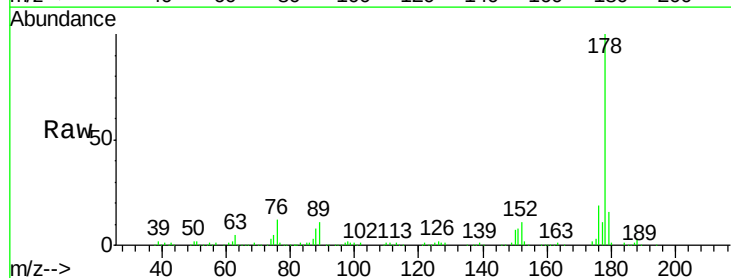
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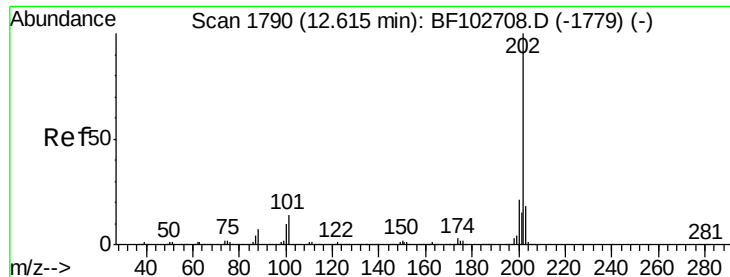
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#70
Phenanthrene
Concen: 7.976 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	203295		
176	19.4		15.8	23.8
179	15.9		13.0	19.6





#74

Fluoranthene

Concen: 8.355 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Instrument :

BNA_F

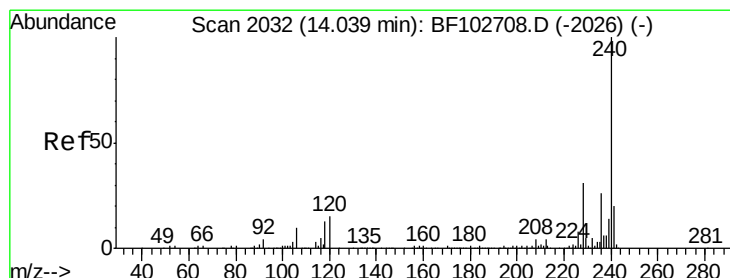
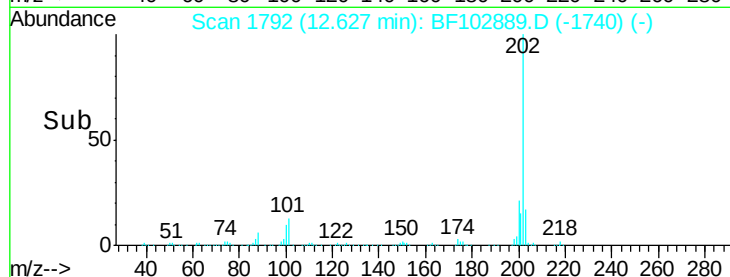
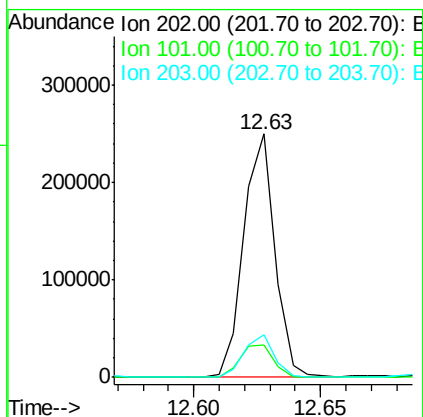
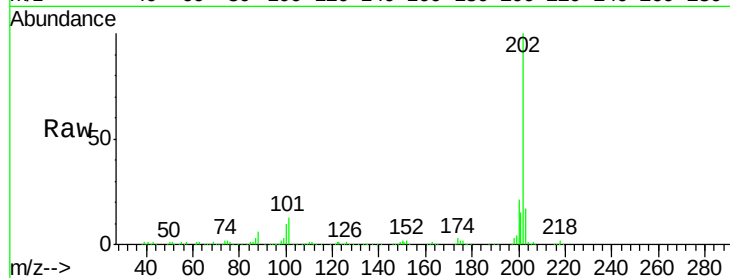
ClientSampleId :

B-21(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	214268		
101	13.4	0.0	34.1	
203	17.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

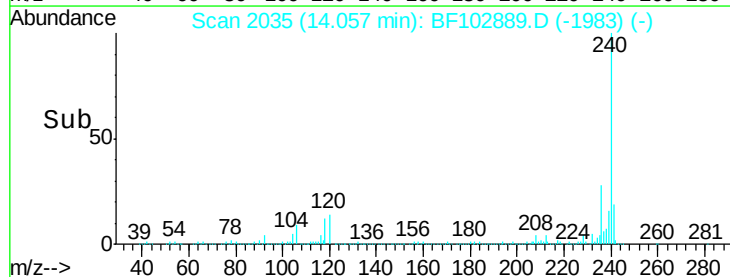
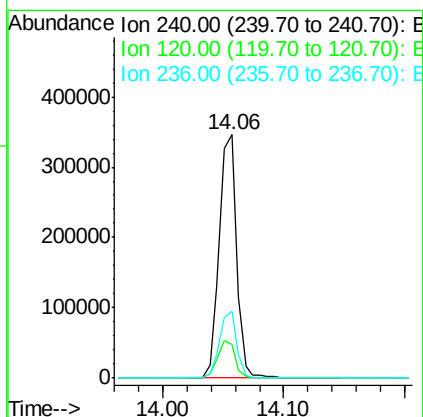
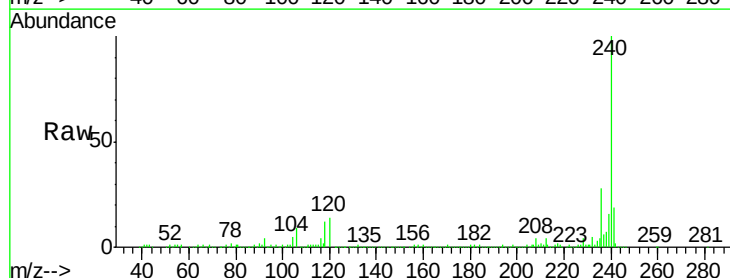
RT: 14.06 min Scan# 2035

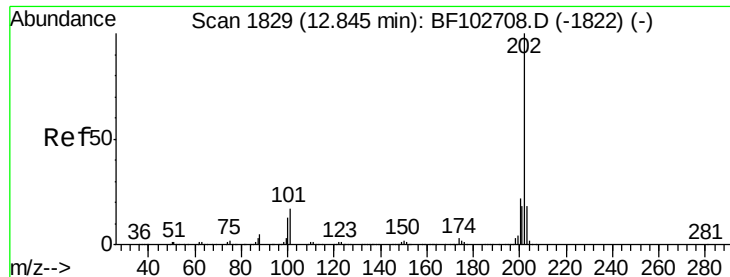
Delta R.T. 0.01 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	343597		
120	13.7	9.5	14.3	
236	27.6	20.7	31.1	





#77

Pvrene

Concen: 8.178 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Instrument :

BNA_F

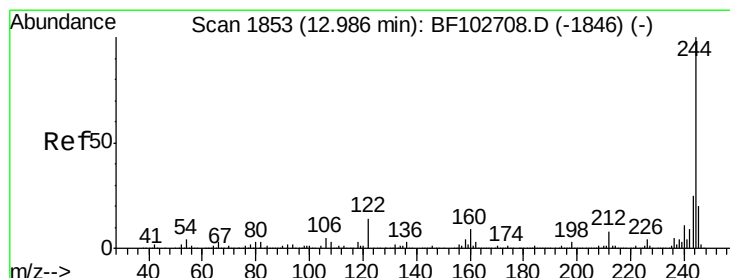
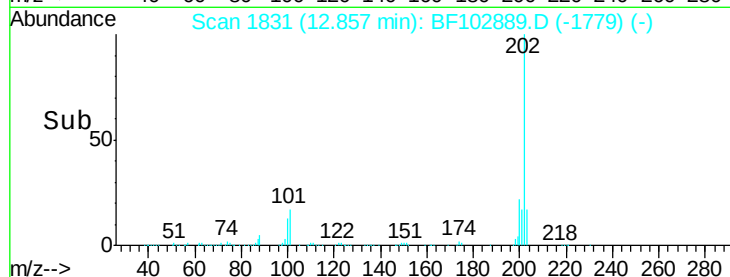
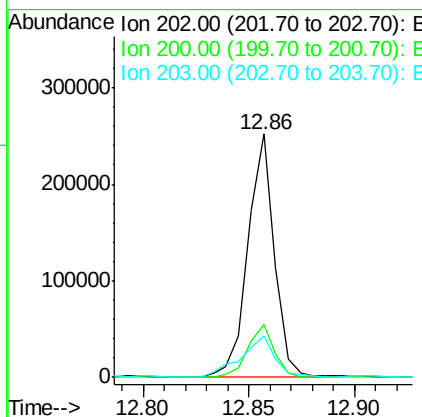
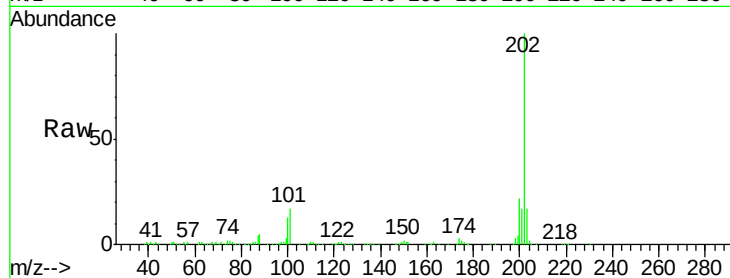
ClientSampleId :

B-21(2-4)

Tot Ion:	202	Resp:	220342
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	16.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 62.206 ng

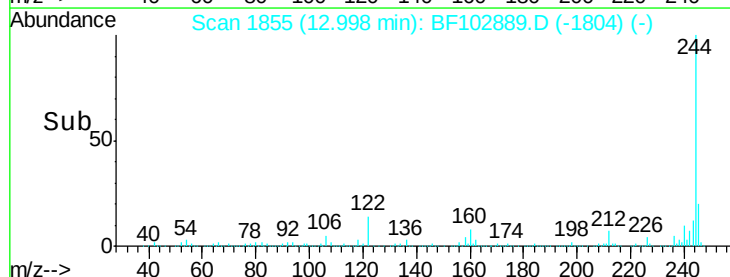
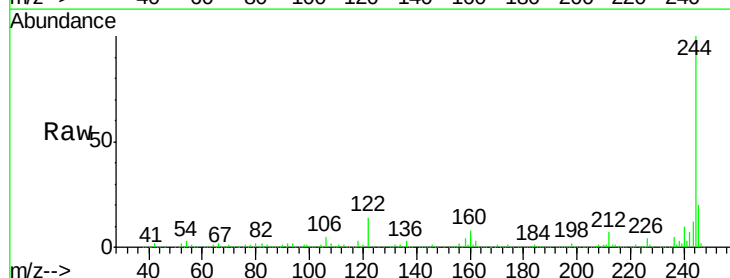
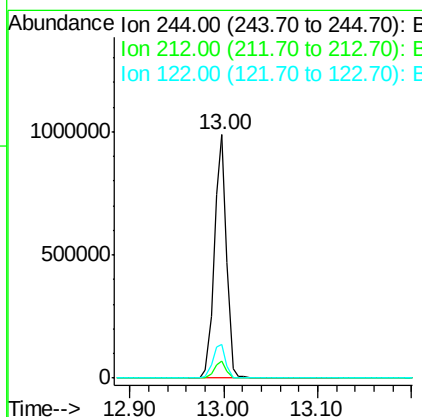
RT: 13.00 min Scan# 1855

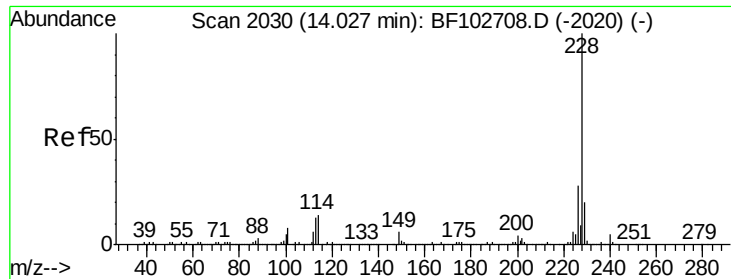
Delta R.T. 0.00 min

Lab File: BF102889.D

Acq: 9 Feb 2018 15:27

Tgt Ion:	244	Resp:	902690
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	13.9	11.0	16.4





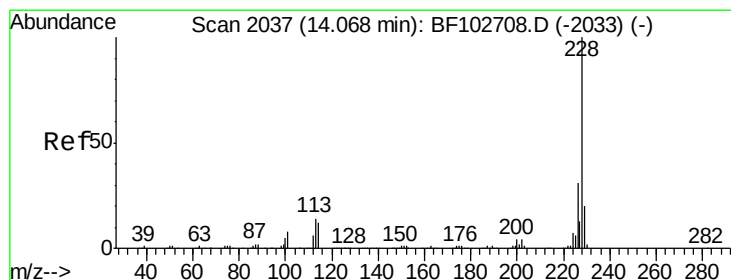
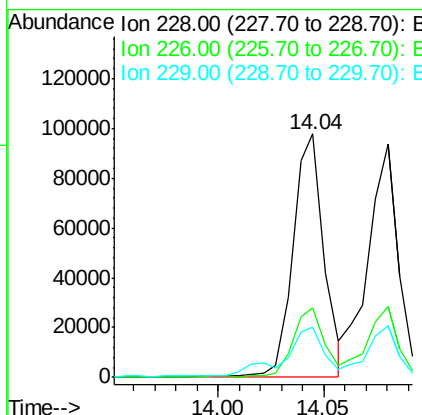
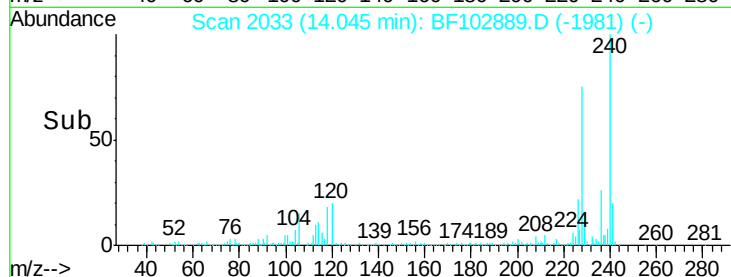
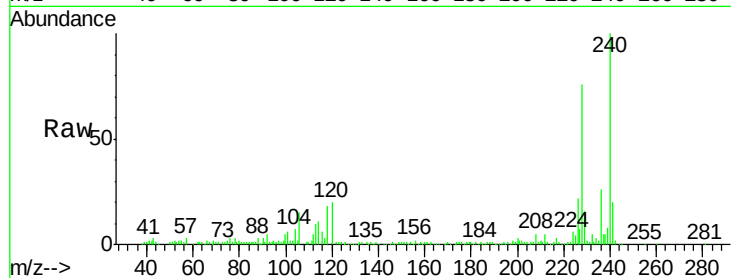
#80
Benzo(a)anthracene
Concen: 4.620 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.7	15.8	23.6

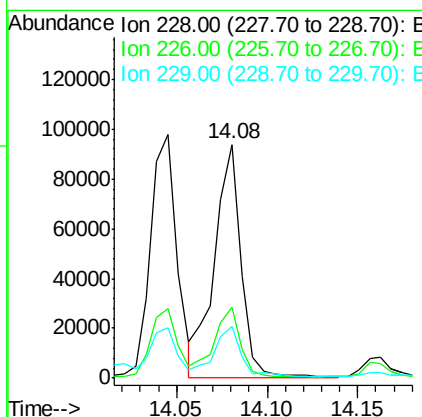
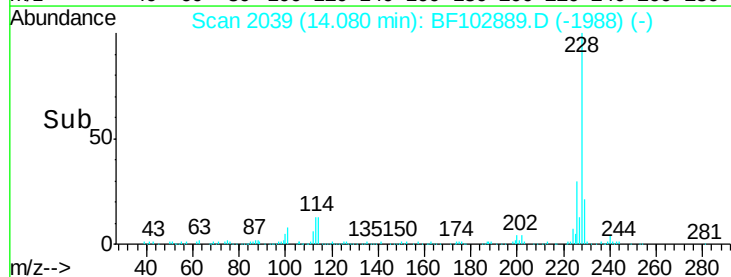
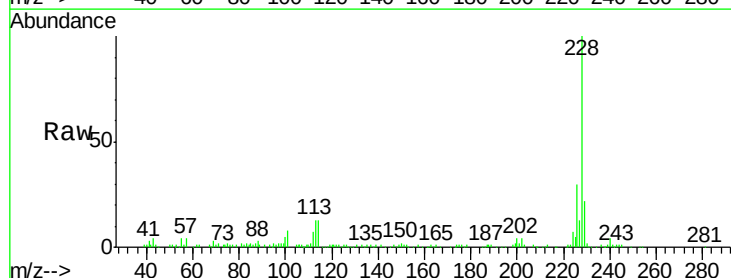
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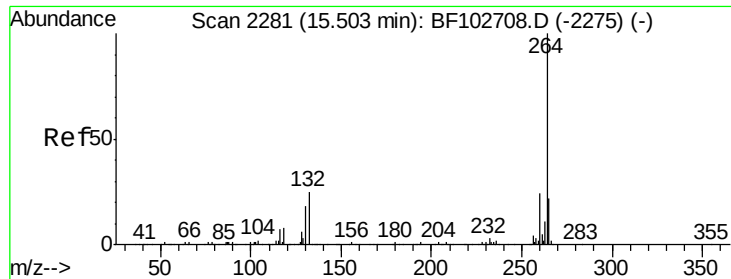
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#82
Chrysene
Concen: 4.404 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4





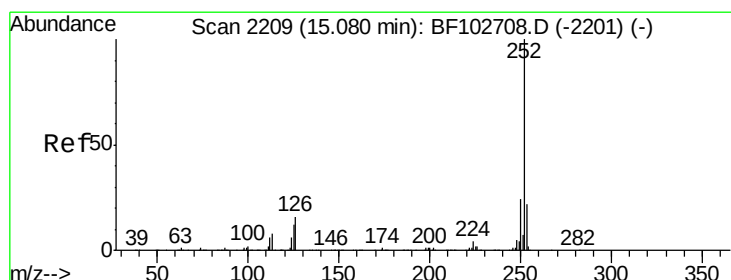
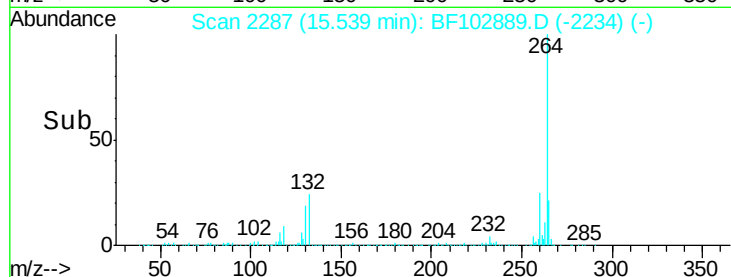
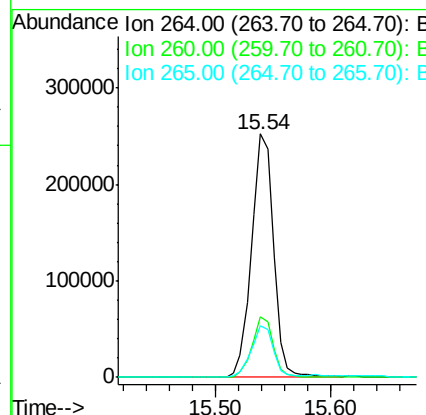
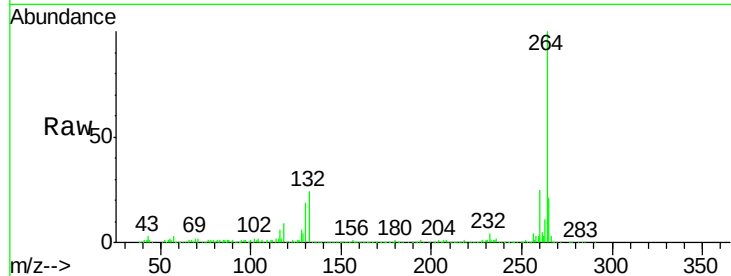
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.2	17.5	26.3

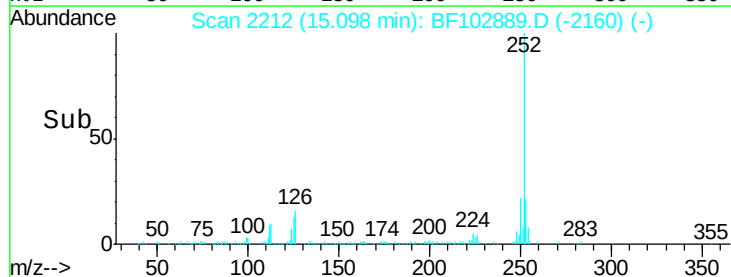
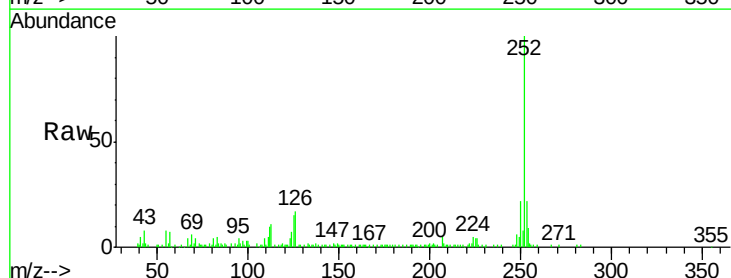
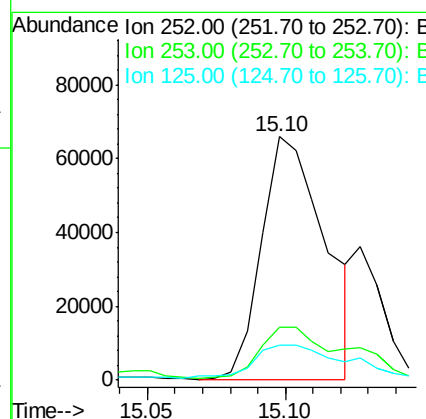
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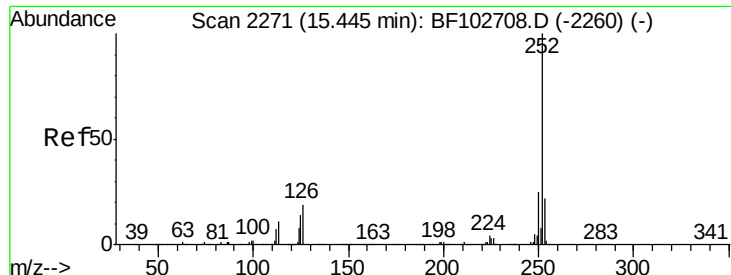
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#87
Benzo(b)fluoranthene
Concen: 4.848 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	14.6	9.0	13.6





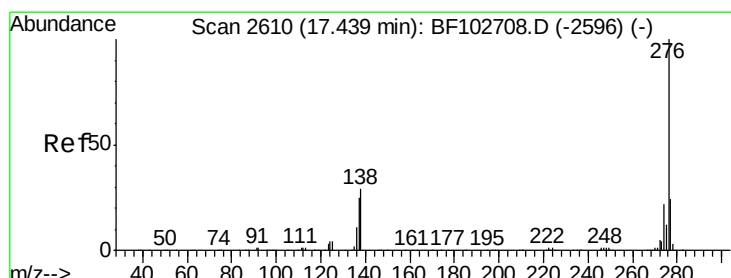
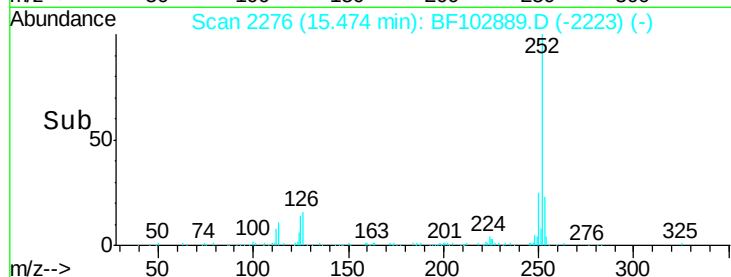
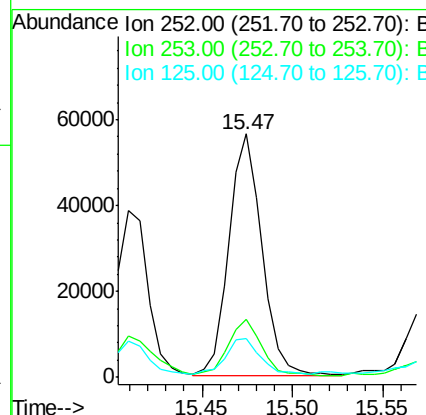
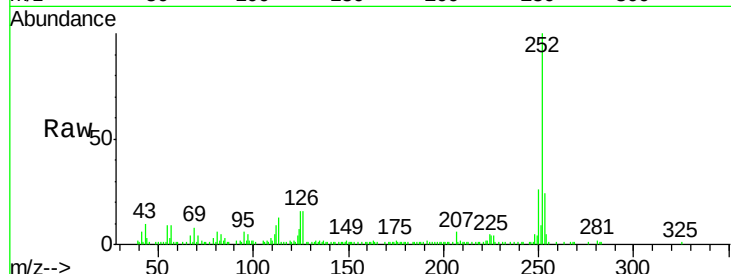
#89
Benzo(a)pyrene
Concen: 3.659 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Instrument :
BNA_F
ClientSampled :
B-21(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	16.2	9.8	14.6

Manual Integrations
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2/13/2018 4:36:24 AM



#91
Benzo(g,h,i)perylene
Concen: 2.012 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.02 min
Lab File: BF102889.D
Acq: 9 Feb 2018 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	30.5	21.8	32.8

