

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101039.D
 Acq On : 1 Dec 2017 1:06
 Operator : SJ/JU
 Sample : I6618-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-1(0-5)

Manual Integrations
 APPROVED

Sohil
 12/1/2017 11:13:17 AM

Quant Time: Dec 01 04:11:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	65890	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	247203	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	110016	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	180375	20.00	ng	0.00
75) Chrysene-d12	14.02	240	136732	20.00	ng	0.00
86) Perylene-d12	15.50	264	114144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	220254	55.24	ng	0.00
7) Phenol-d6	6.49	99	362896	74.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	230654	55.66	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	25357	19.19	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	424347	52.77	ng	0.00
78) Terphenyl-d14	12.96	244	303361	48.53	ng	0.00
Target Compounds						
10) Phenol	6.50	94	16080	2.987	ng	100
70) Phenanthrene	11.40	178	37514	3.777	ng	99
74) Fluoranthene	12.59	202	78055	7.089	ng	94
77) Pyrene	12.82	202	69000	7.313	ng	97
80) Benzo(a)anthracene	14.01	228	42398	4.911	ng	99
82) Chrysene	14.05	228	39651	4.945	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	23437	3.288	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	50530m	7.391	ng	
88) Benzo(k)fluoranthene	15.09	252	17679m	2.625	ng	
89) Benzo(a)pyrene	15.43	252	33598m	5.405	ng	
91) Benzo(g,h,i)perylene	17.42	276	22764	4.408	ng	# 92

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

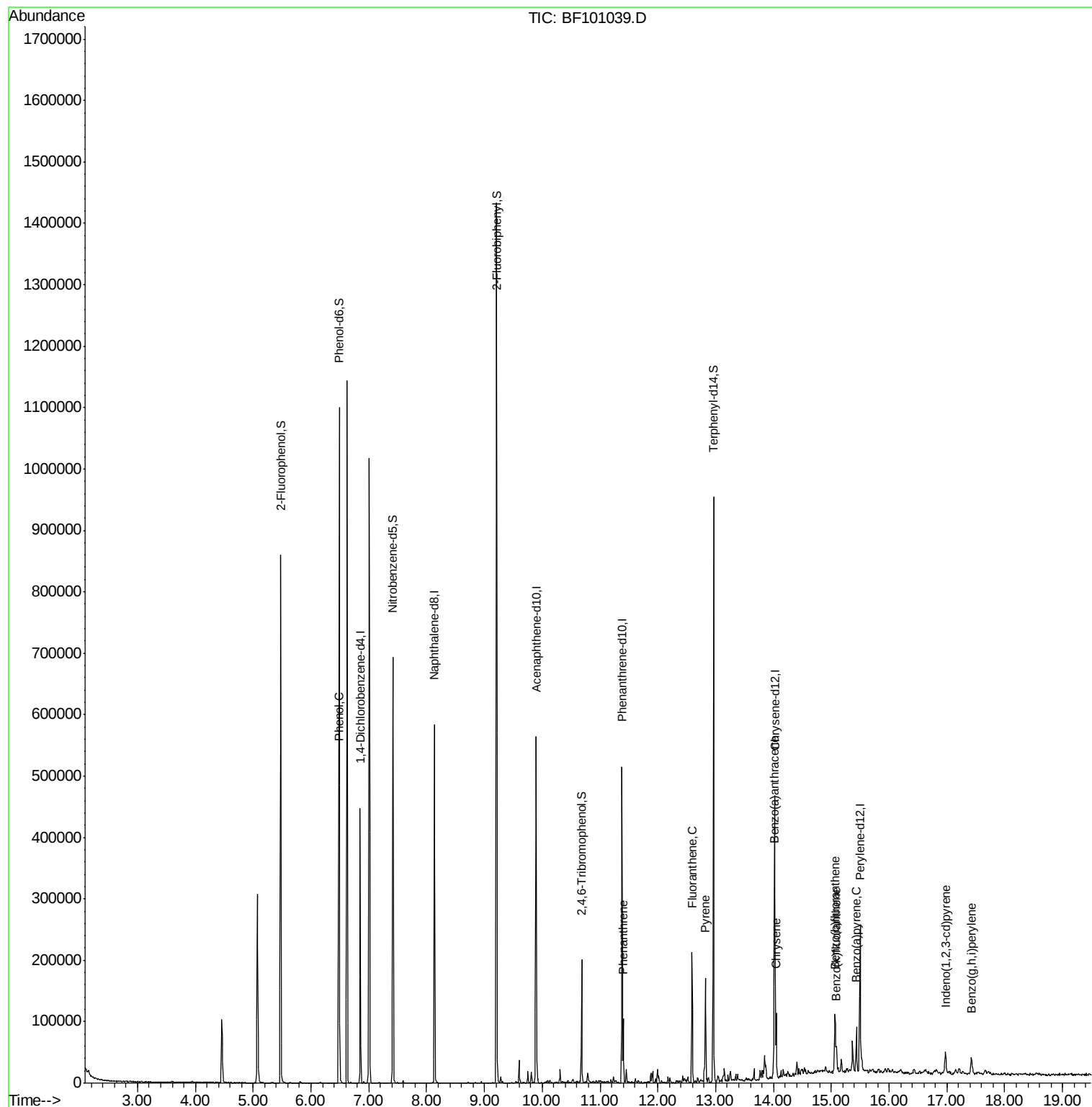
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101039.D
Acq On : 1 Dec 2017 1:06
Operator : SJ/JU
Sample : I6618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

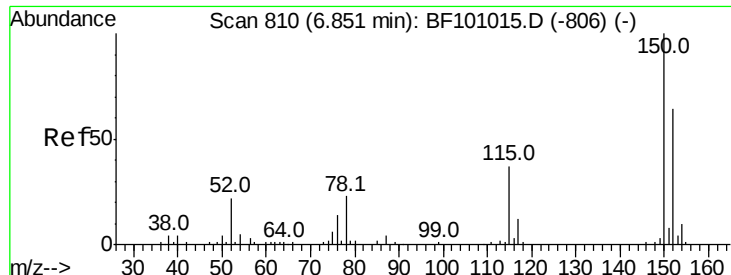
Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Manual Integrations
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#1

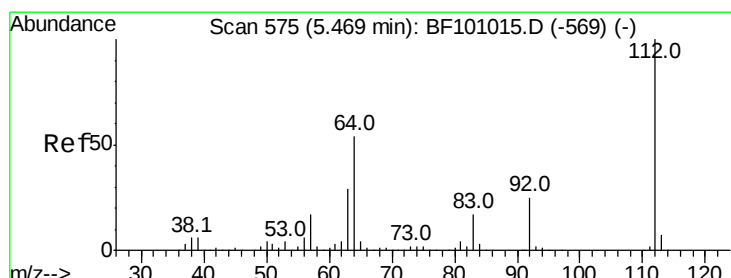
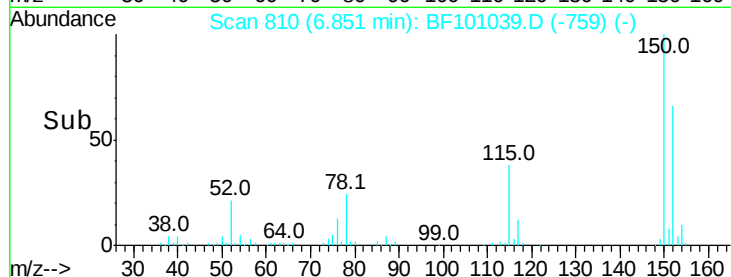
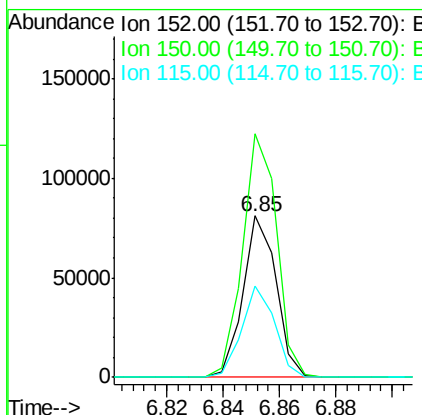
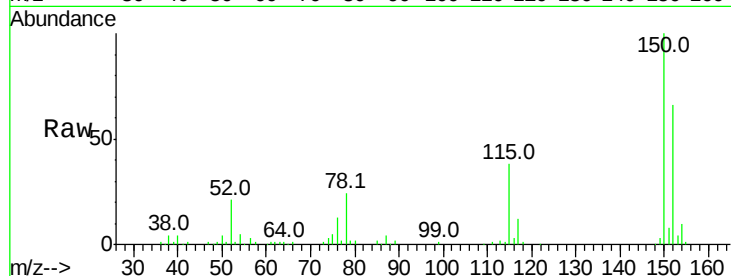
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.6	186.8
115	56.6	50.1	75.1

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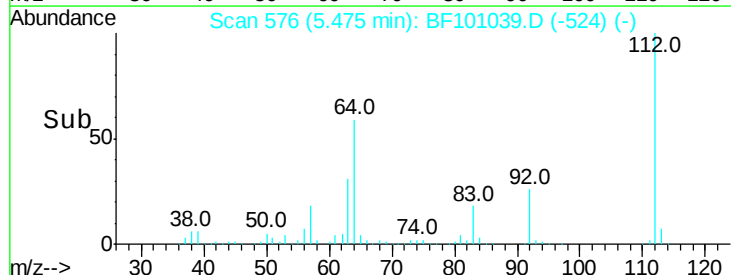
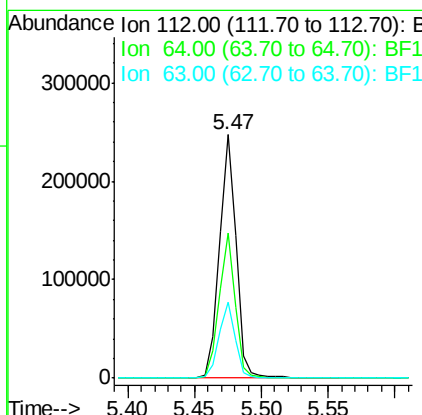
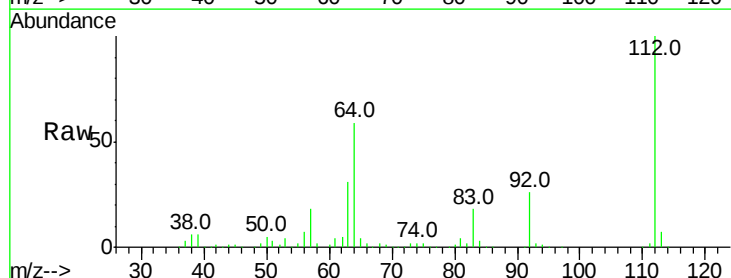
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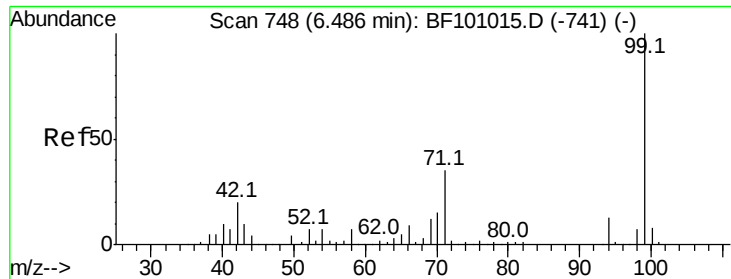


#5

2-Fluorophenol
Concen: 55.237 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 74.961 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

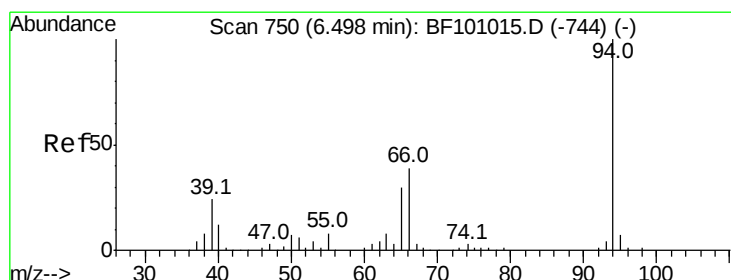
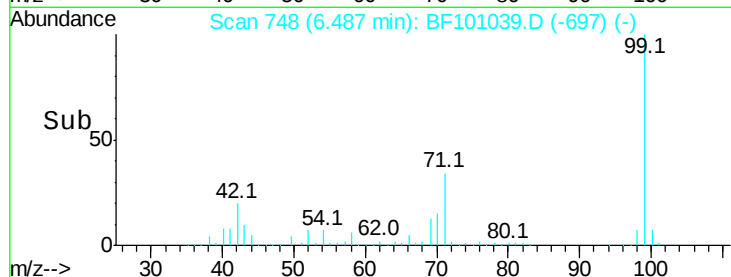
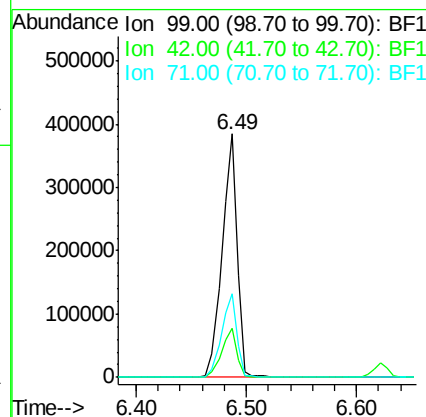
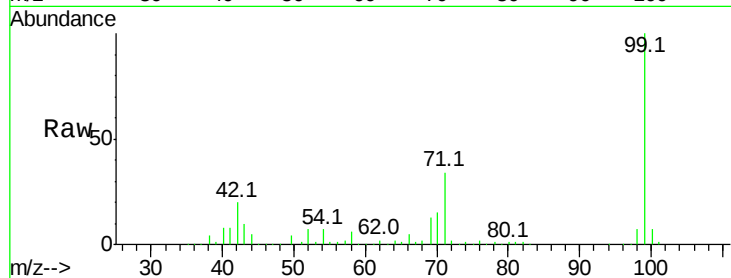
ClientSampleId :

ENV-106-1(0-5)

Tot Ion:	99	Resp:	362896
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	34.2	25.4	38.0

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#10

Phenol

Concen: 2.987 ng

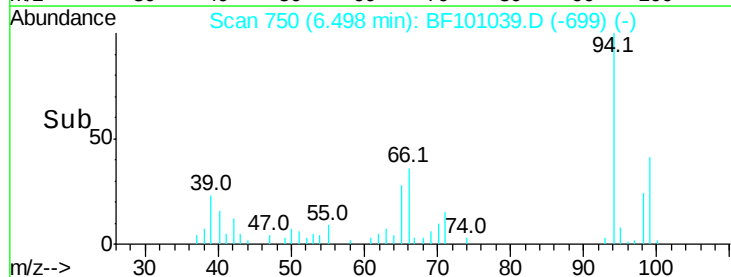
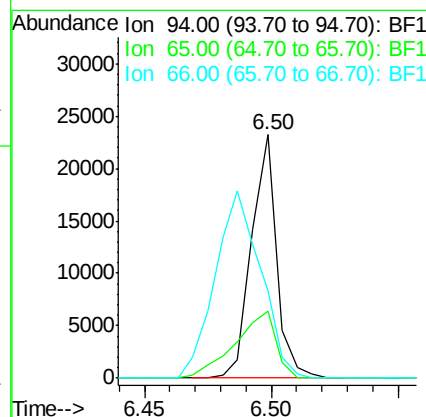
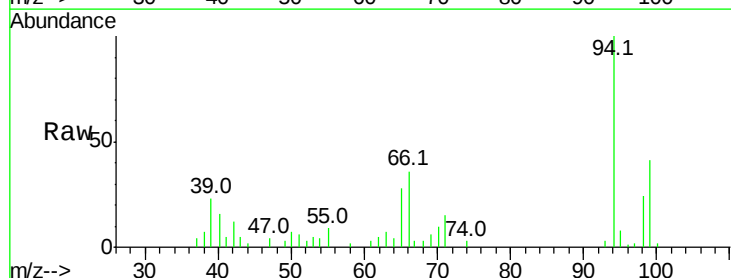
RT: 6.50 min Scan# 750

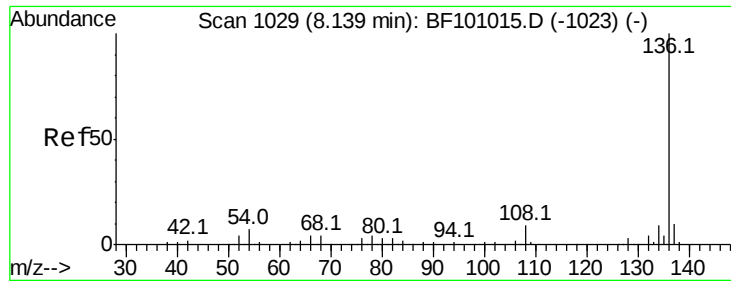
Delta R.T. 0.00 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Tgt Ion:	94	Resp:	16080
Ion Ratio	Lower	Upper	
94	100		
65	27.5	7.9	47.9
66	36.0	16.2	56.2





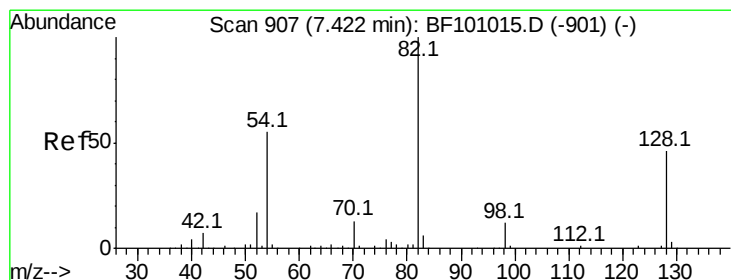
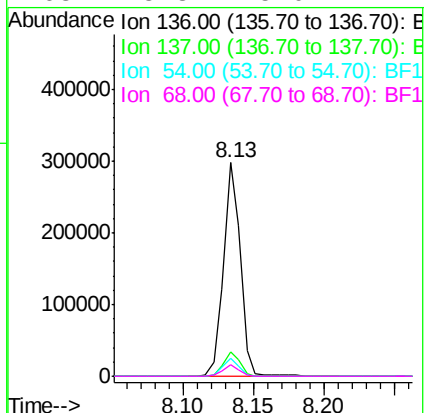
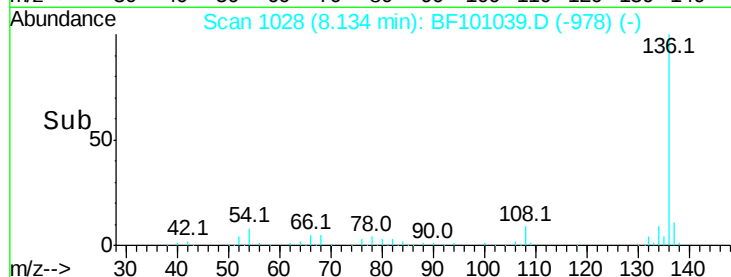
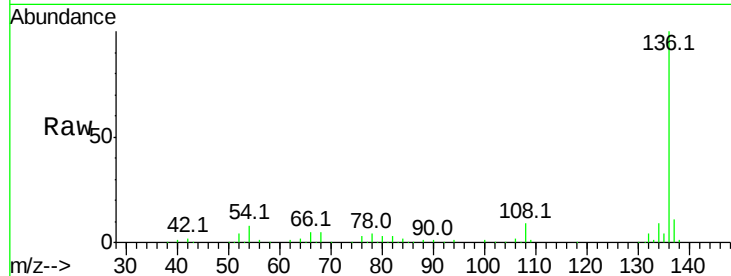
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.4	6.6	9.8	
68	5.3	5.0	7.4	

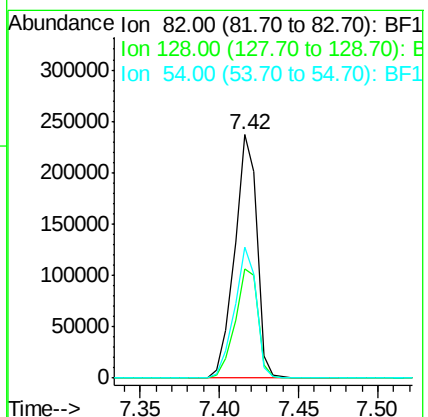
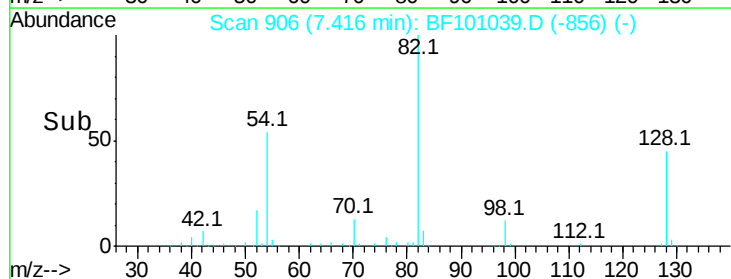
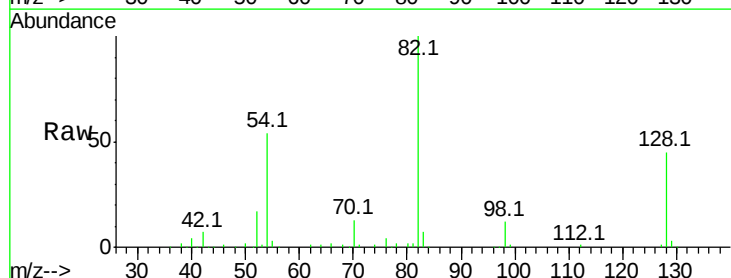
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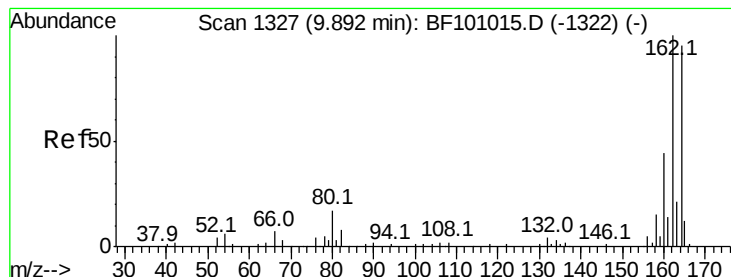
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#23
Nitrobenzene-d5
Concen: 55.660 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	36.1	54.1	
54	54.0	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

ClientSampleId :

ENV-106-1(0-5)

Tot Ion:164 Resp: 110016

Ion Ratio Lower Upper

164 100

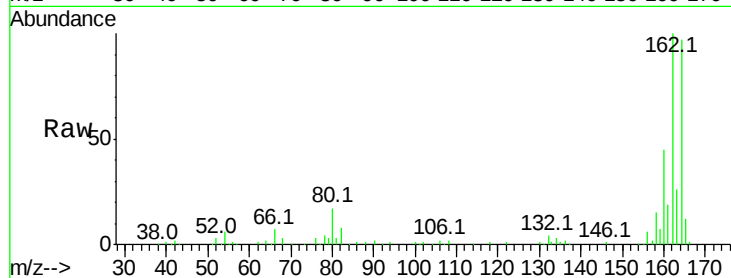
162 102.7 86.1 129.1

160 46.3 38.3 57.5

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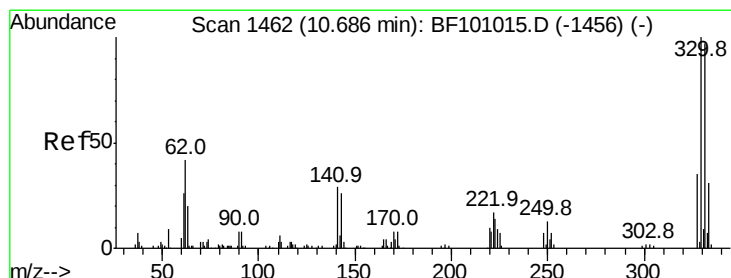
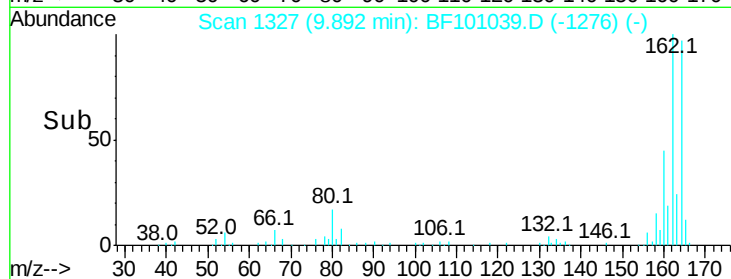
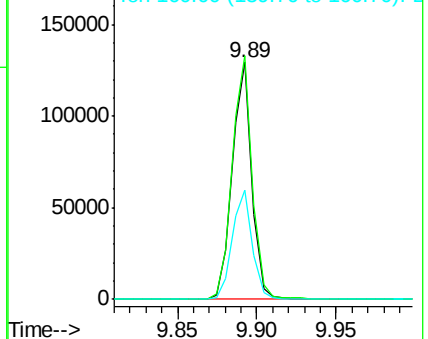
12/1/2017 11:13:17 AM



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: 19.187 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

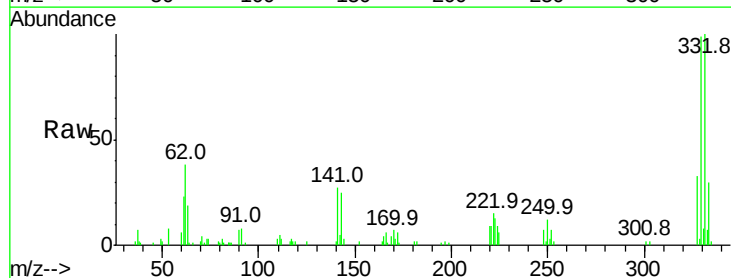
Tgt Ion:330 Resp: 25357

Ion Ratio Lower Upper

330 100

332 100.3 77.0 115.6

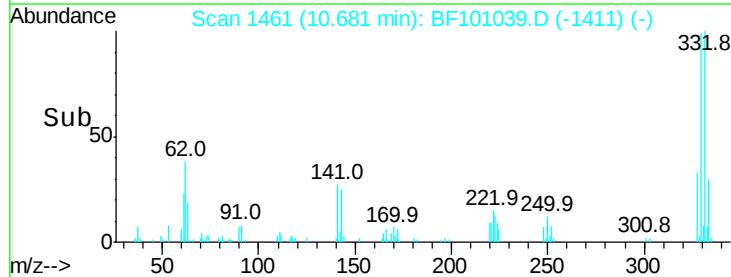
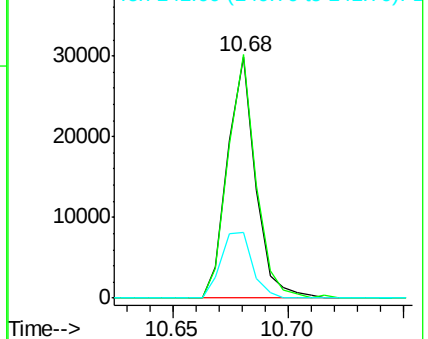
141 30.2 29.9 44.9

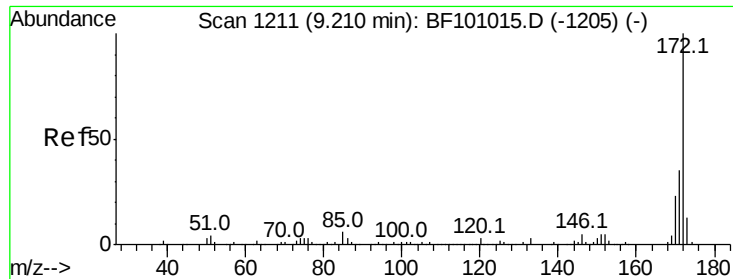


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





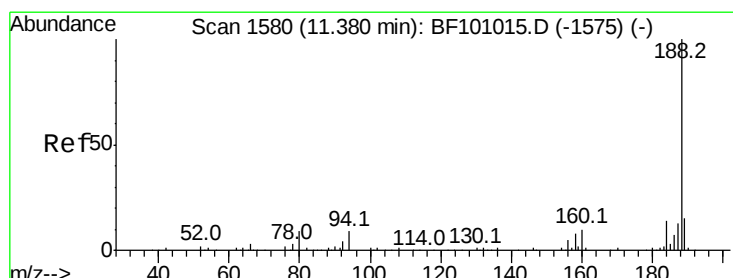
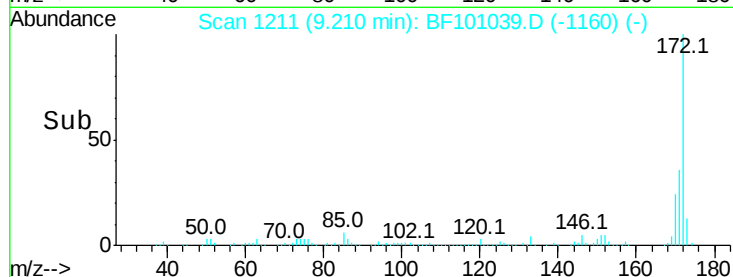
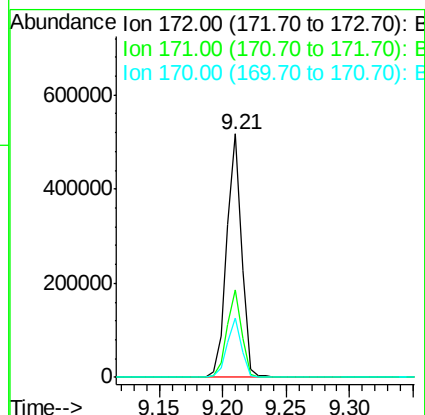
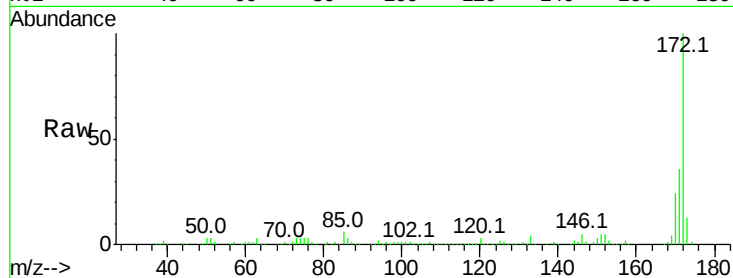
#44
2-Fluorobiphenyl
Concen: 52.773 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.2	19.6	29.4	

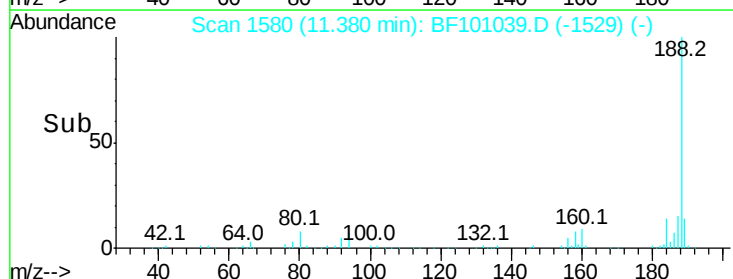
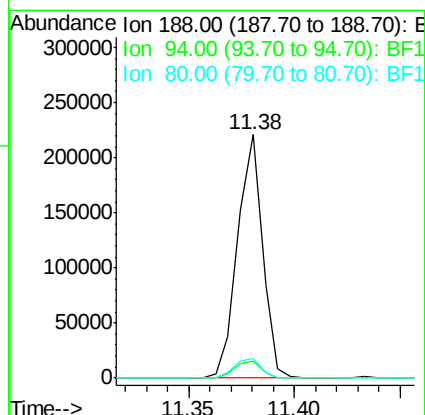
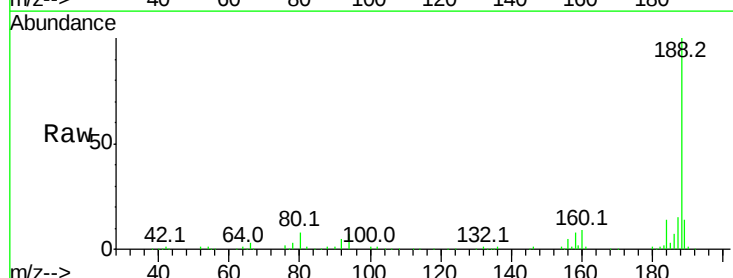
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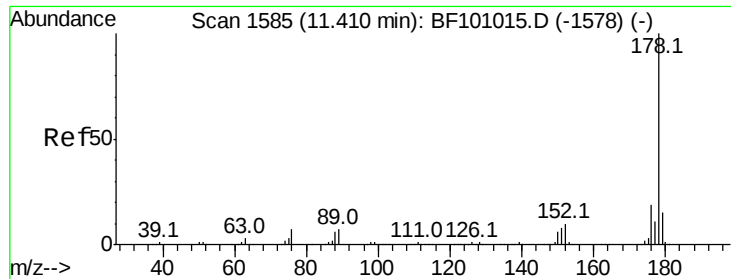
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.1	8.5	12.7#	
80	8.3	9.2	13.8#	





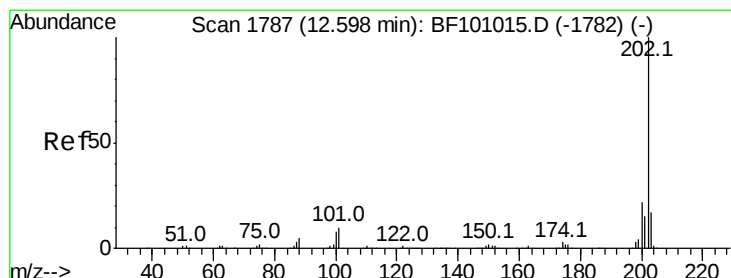
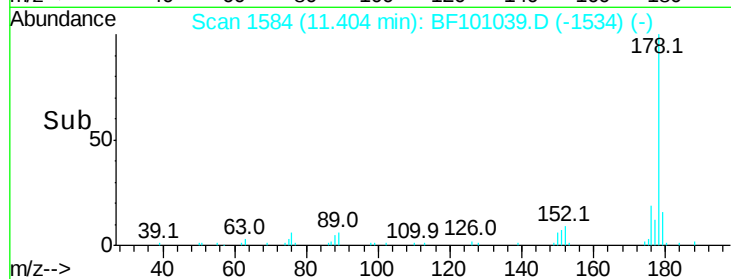
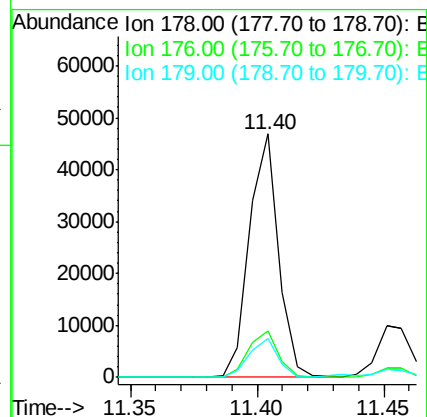
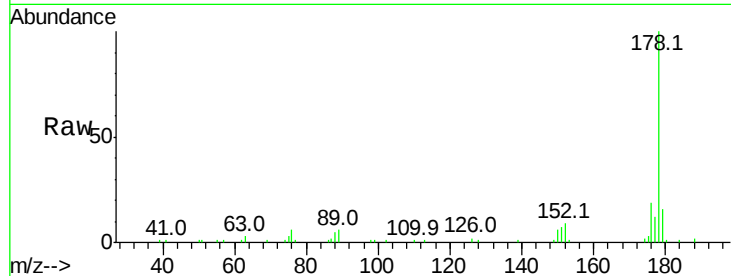
#70
Phenanthrene
Concen: 3.777 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.8	13.0	19.6

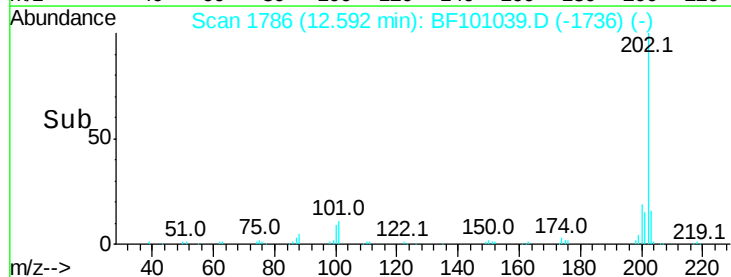
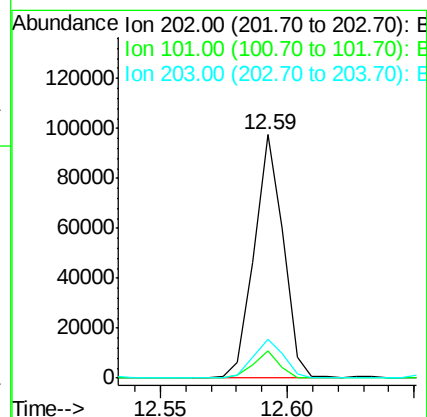
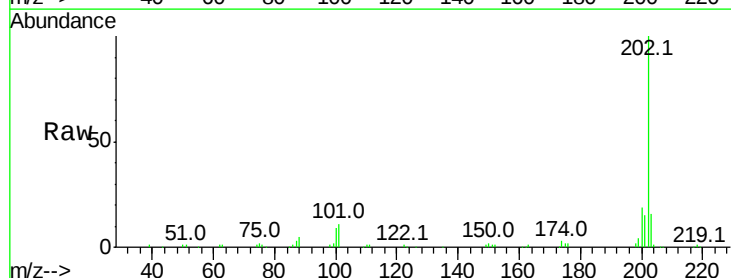
Manual Integrations
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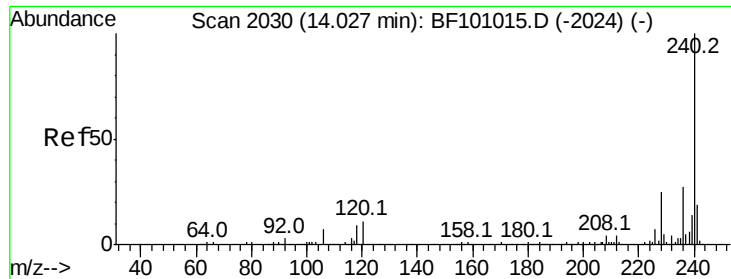
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#74
Fluoranthene
Concen: 7.089 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	16.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

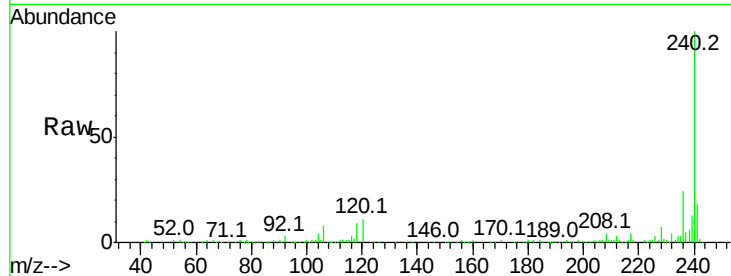
ClientSampleId :

ENV-106-1(0-5)

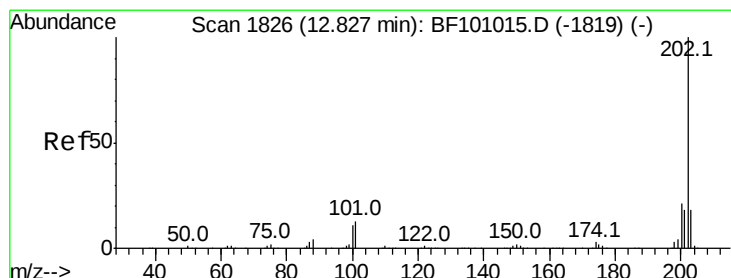
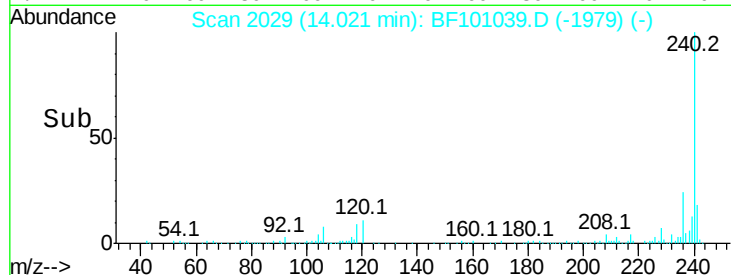
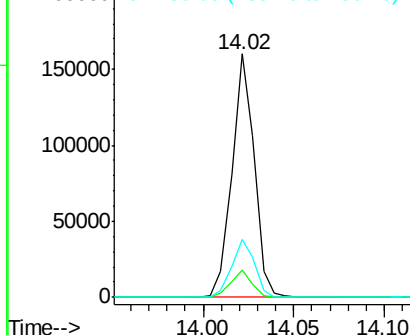
Tot Ion:	240	Resp:	136732
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	24.1	20.7	31.1

Manual Integrations
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12/1/2017 11:13:17 AM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.313 ng

RT: 12.82 min Scan# 1825

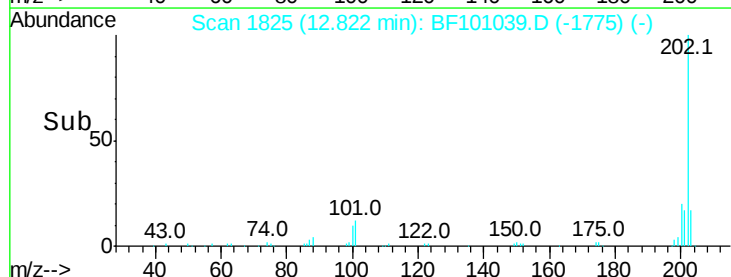
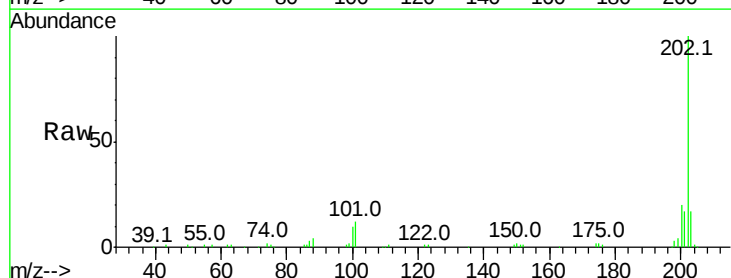
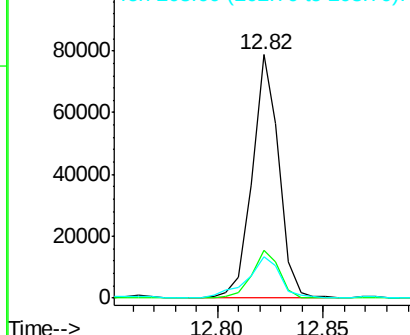
Delta R.T. -0.01 min

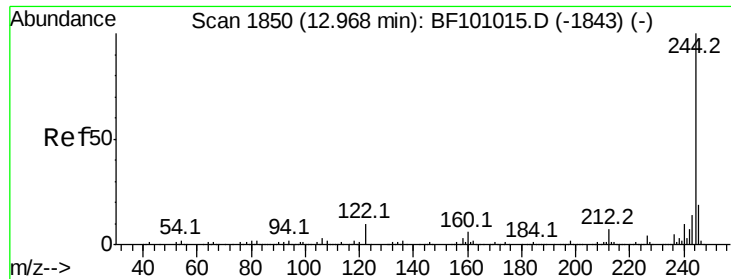
Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Tgt Ion:	202	Resp:	69000
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.2	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





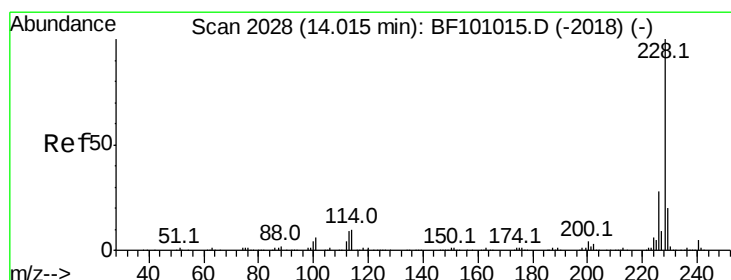
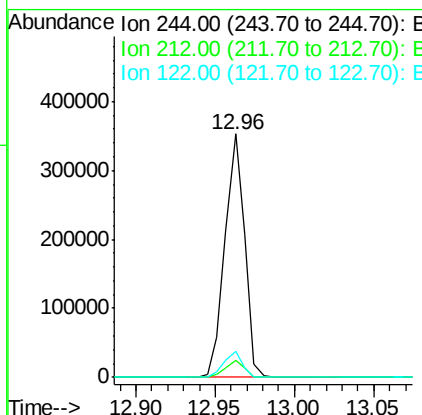
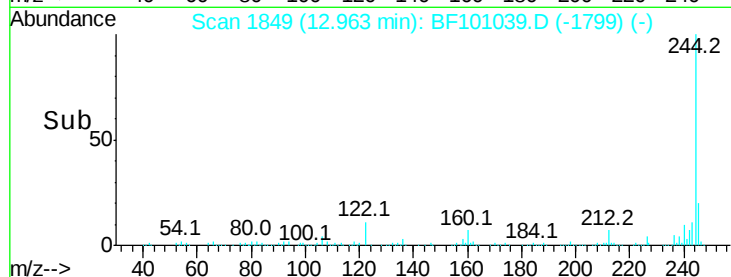
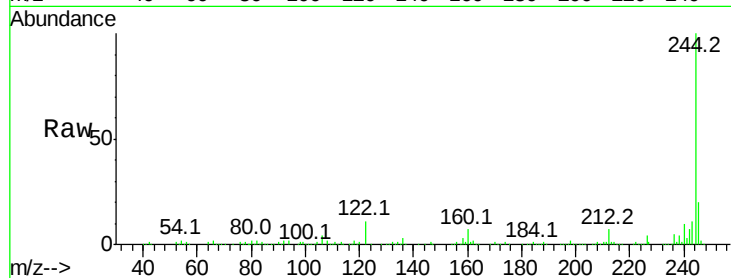
#78
 Terphenyl-d14
 Concen: 48.528 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.8	11.0	16.4

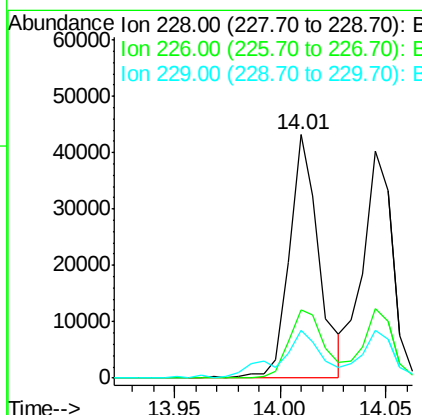
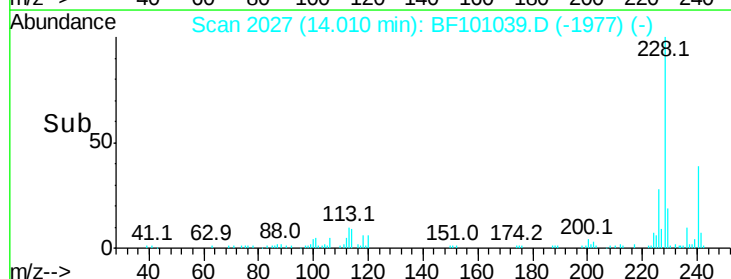
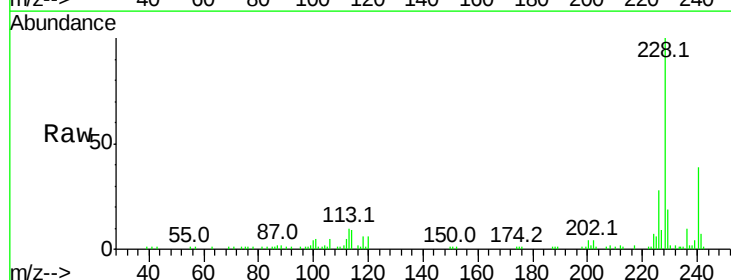
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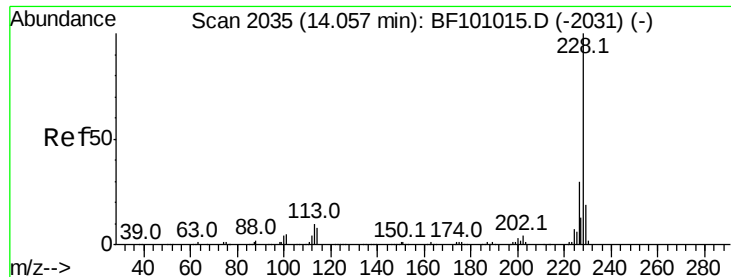
Sohil
 12/1/2017 11:13:17 AM



#80
 Benzo(a)anthracene
 Concen: 4.911 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.4	15.8	23.6





#82

Chrysene

Concen: 4.945 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Instrument :

BNA_F

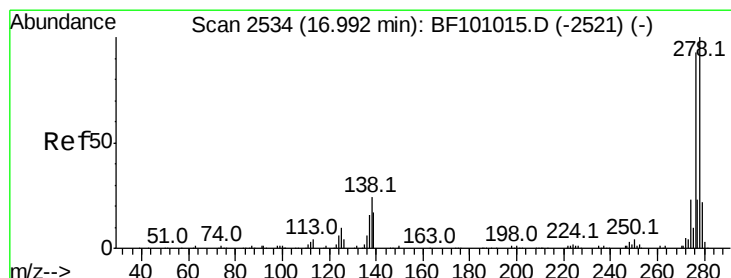
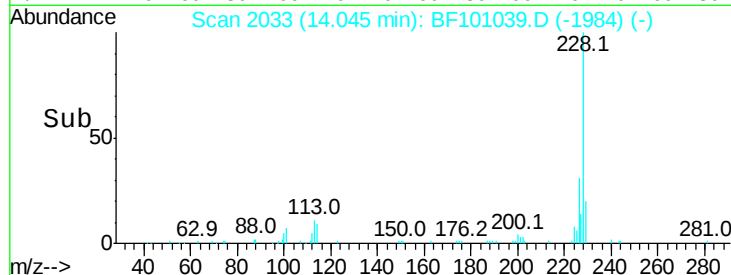
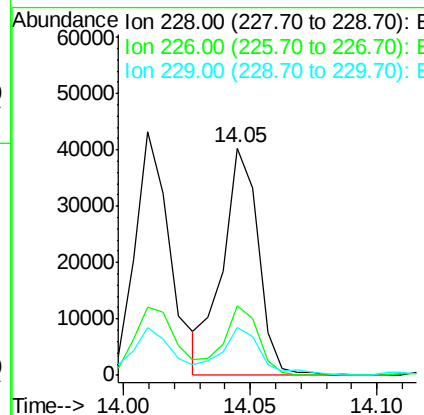
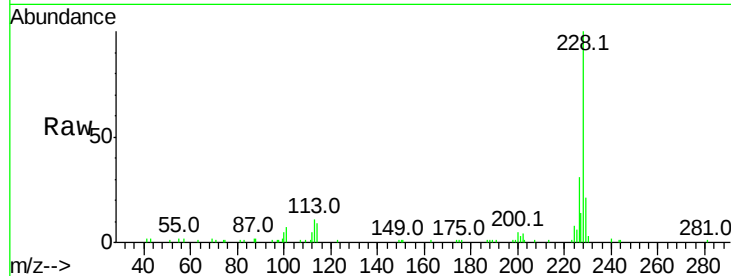
ClientSampleId :

ENV-106-1(0-5)

Tot Ion:	228	Resp:	39651
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	20.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.288 ng

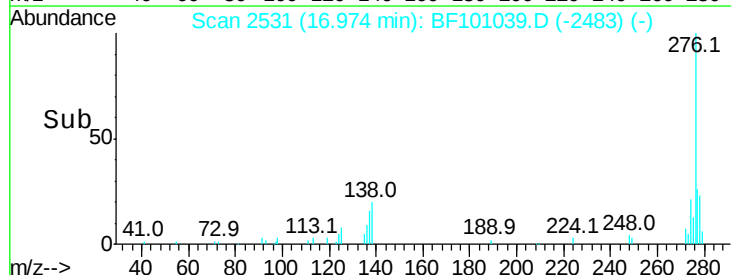
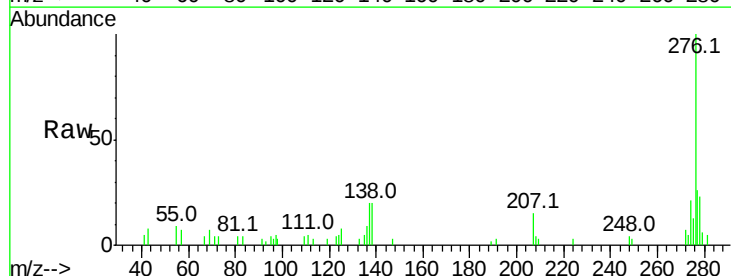
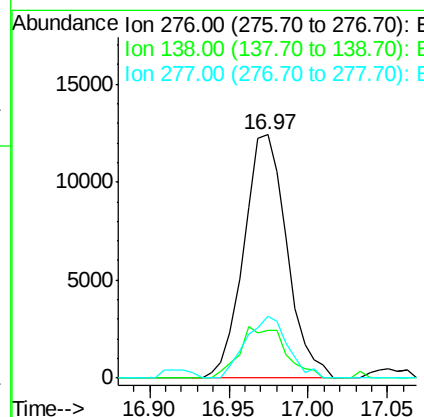
RT: 16.97 min Scan# 2531

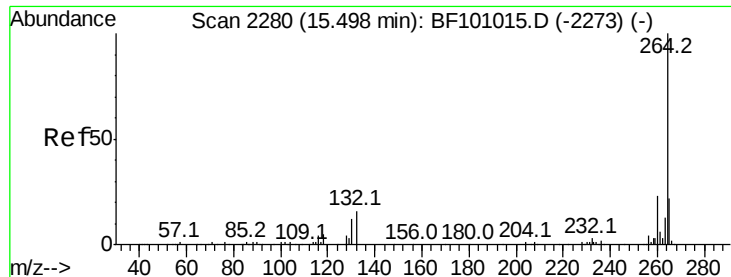
Delta R.T. -0.02 min

Lab File: BF101039.D

Acq: 1 Dec 2017 1:06

Tgt Ion:	276	Resp:	23437
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	24.9	20.1	30.1





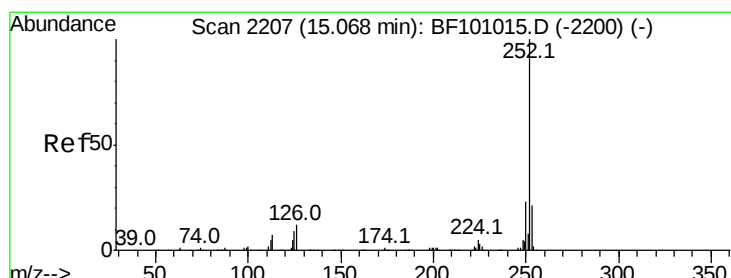
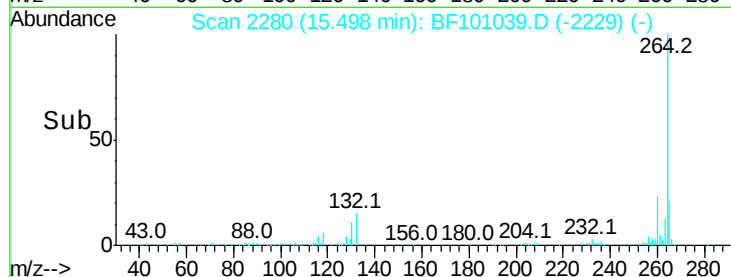
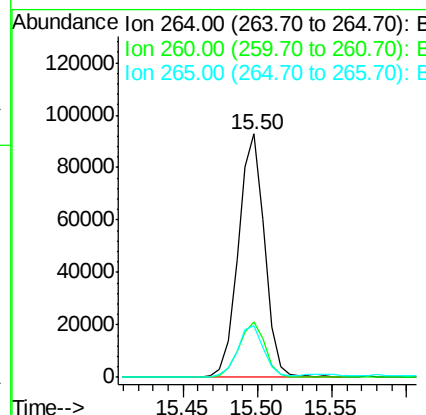
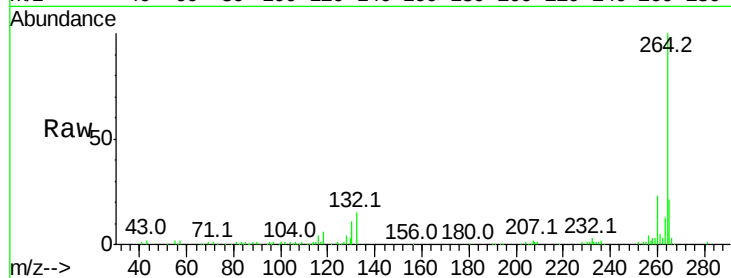
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.2	17.5	26.3

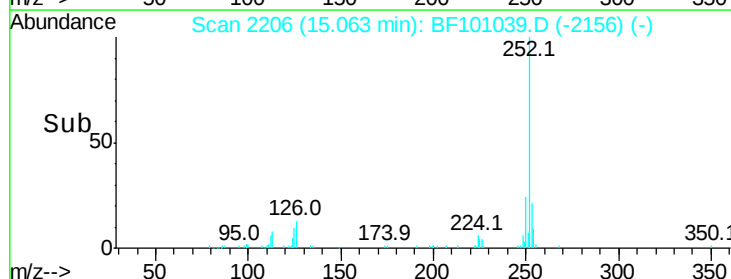
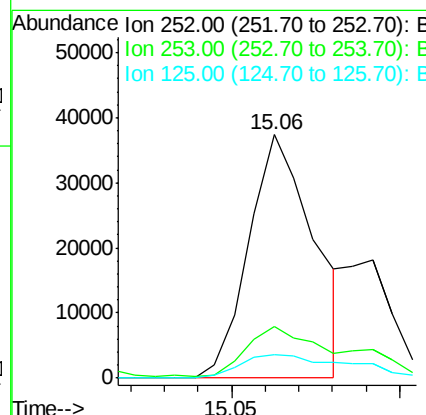
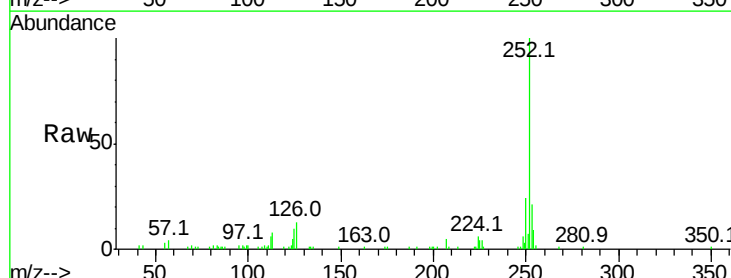
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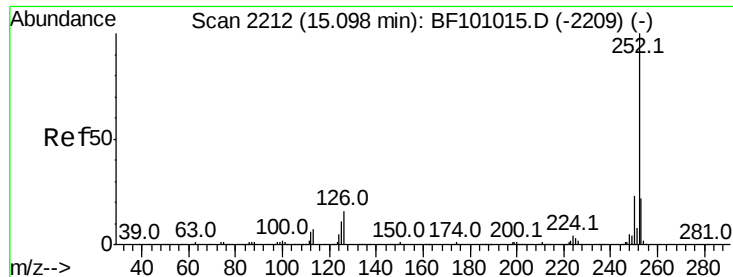
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#87
Benzo(b)fluoranthene
Concen: 7.391 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	9.7	9.0	13.6





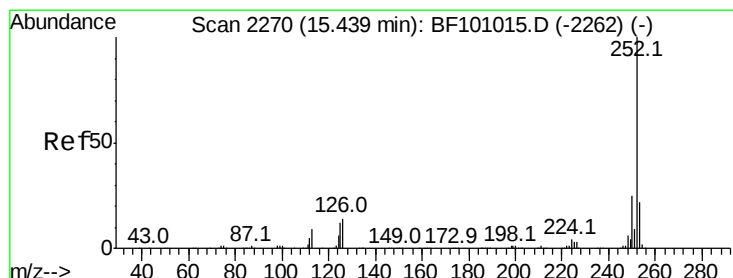
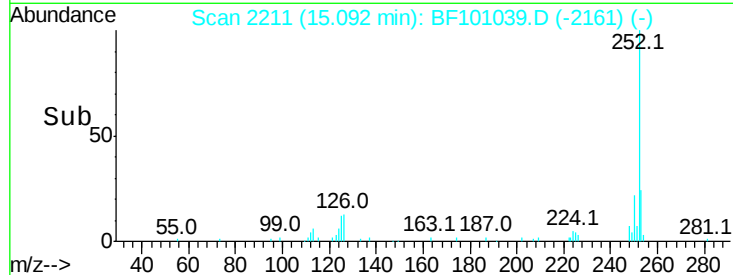
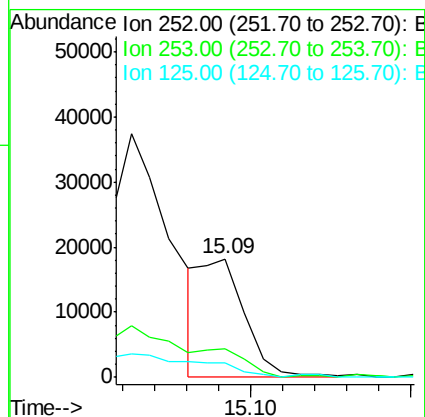
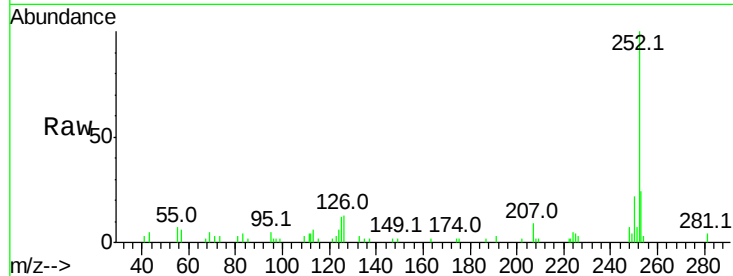
#88
Benzo(k)fluoranthene
Concen: 2.625 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Instrument :
BNA_F
ClientSampleId :
ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	11.7	10.2	15.2

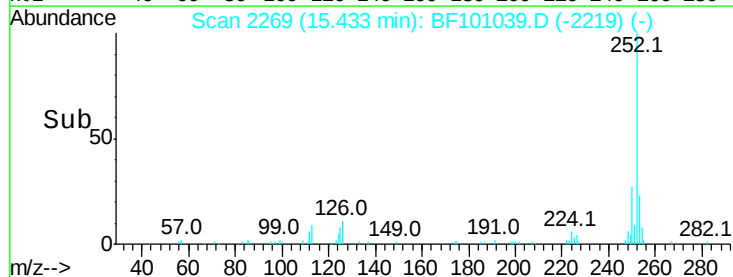
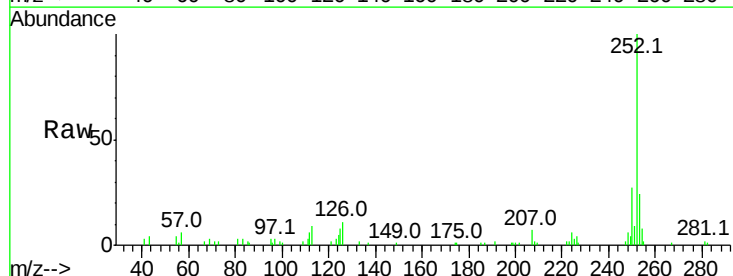
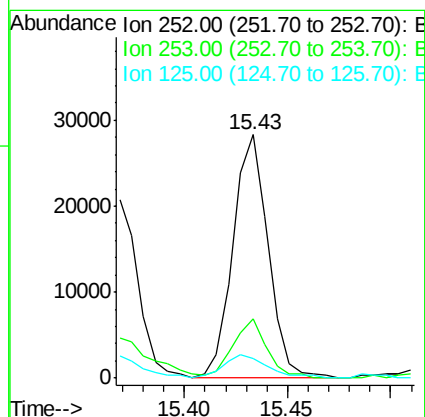
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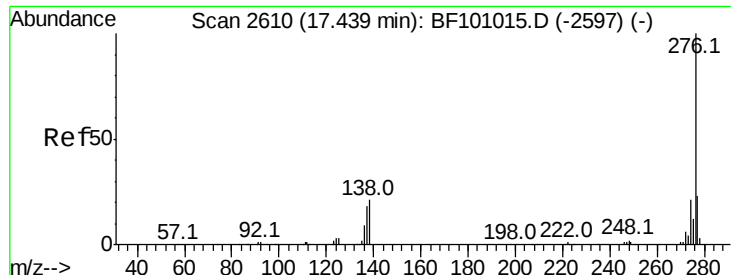
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#89
Benzo(a)pyrene
Concen: 5.405 ng m
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101039.D
Acq: 1 Dec 2017 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	8.2	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.408 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF101039.D
 Acq: 1 Dec 2017 1:06

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.9	26.9
138	20.3	21.8	32.8

Manual Integrations
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Sohil
 12/1/2017 11:13:17 AM

