

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101289.D
 Acq On : 11 Dec 2017 15:09
 Operator : SJ/JU
 Sample : I6747-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)

Manual Integrations
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 12/12/2017 3:59:04 PM

Quant Time: Dec 11 17:07:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	52918	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	200546	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	90284	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	169722	20.00	ng	0.00
75) Chrysene-d12	14.01	240	106242	20.00	ng	0.00
86) Perylene-d12	15.49	264	107369	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	59332	18.53	ng	0.00
7) Phenol-d6	6.46	99	76995	19.80	ng	0.00
23) Nitrobenzene-d5	7.39	82	46537	13.84	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	8409	7.75	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	107715	16.32	ng	0.00
78) Terphenyl-d14	12.95	244	88452	18.21	ng	0.00
Target Compounds						
70) Phenanthrene	11.39	178	100001	10.699	ng	Qvalue 97
71) Anthracene	11.43	178	21822m	2.307	ng	
74) Fluoranthene	12.58	202	133133	12.850	ng	93
77) Pyrene	12.81	202	126158	17.209	ng	98
80) Benzo(a)anthracene	14.00	228	54746	8.161	ng	98
82) Chrysene	14.03	228	48003	7.705	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	26836	4.845	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	57012m	8.865	ng	
88) Benzo(k)fluoranthene	15.08	252	17908m	2.826	ng	
89) Benzo(a)pyrene	15.43	252	43633	7.463	ng	94
91) Benzo(g,h,i)perylene	17.43	276	26997	5.558	ng	# 87

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

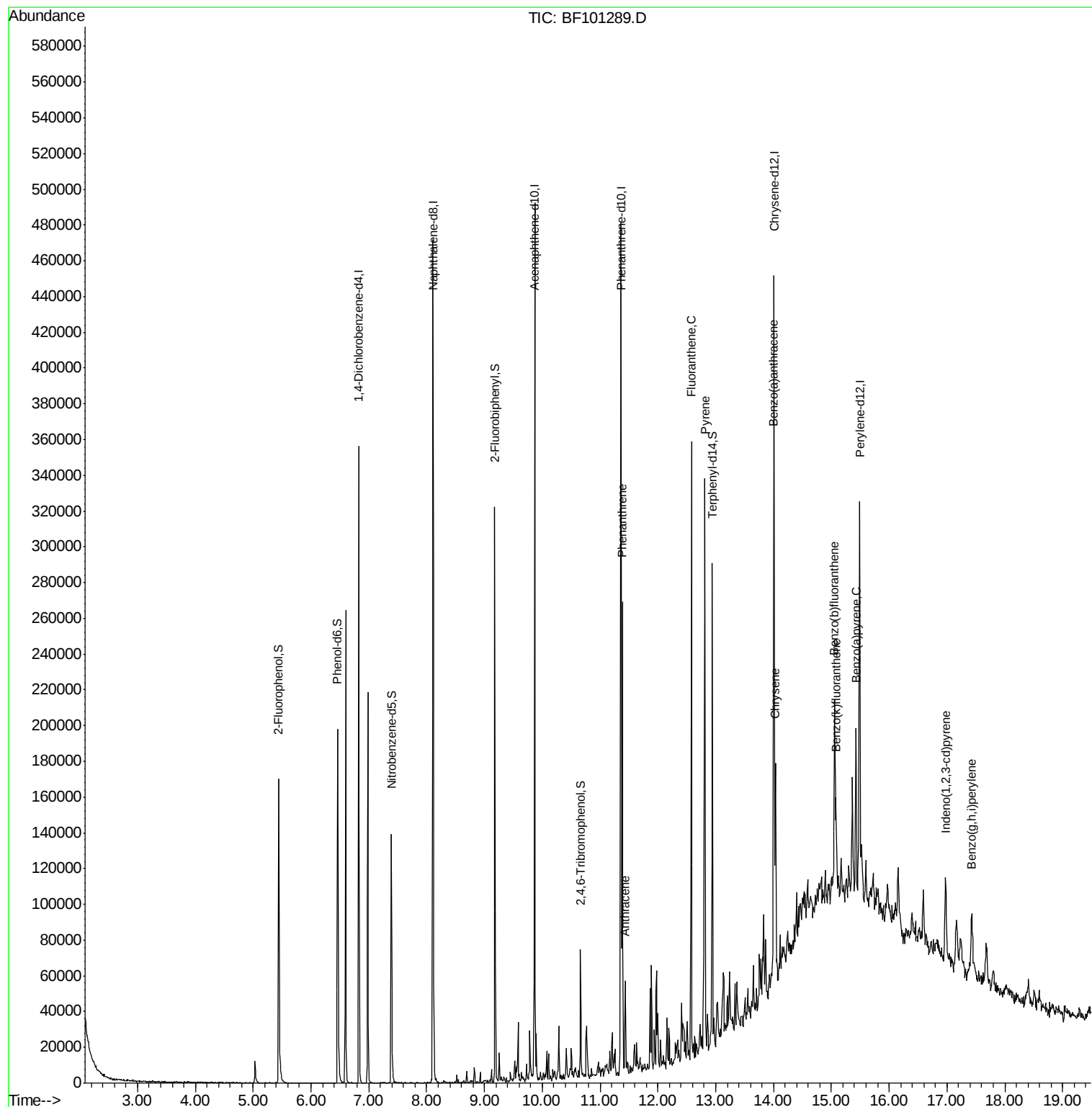
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101289.D
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Operator : SJ/JU
Sample : I6747-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

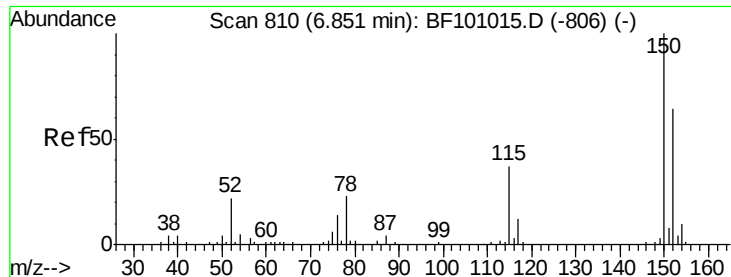
Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

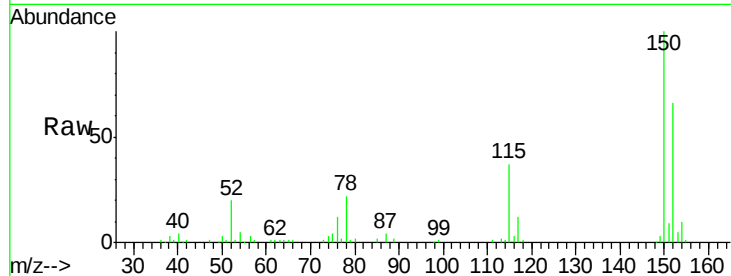
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Instrument :
BNA_F
ClientSampled :
ENV-103-1(0-5)

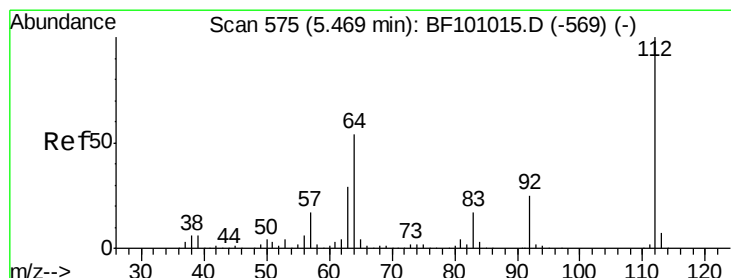
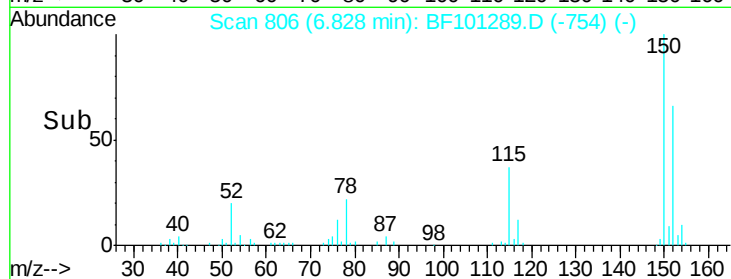
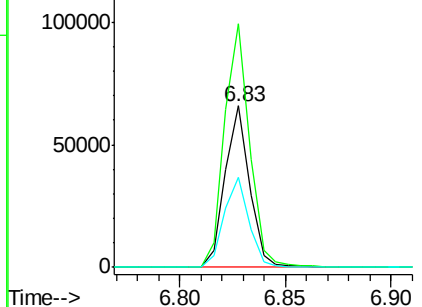
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	124.6	186.8
115	55.4	50.1	75.1

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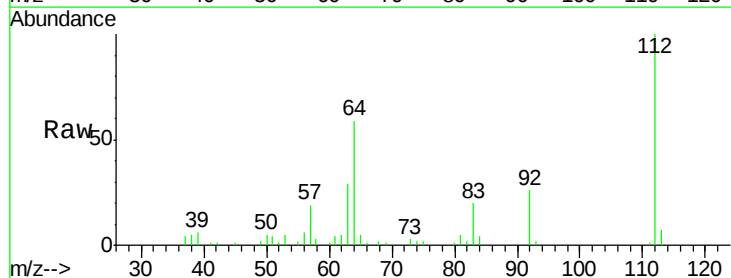
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



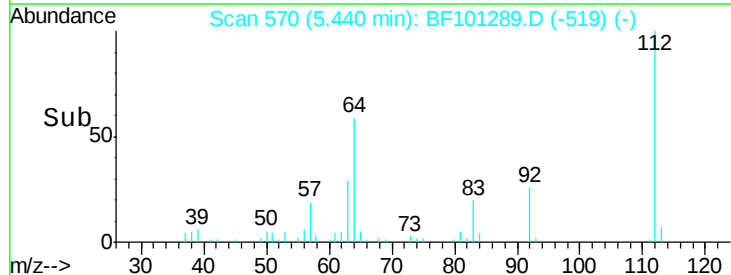
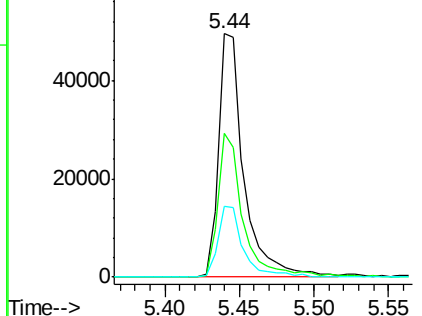
#5

2-Fluorophenol
Concen: 18.527 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	29.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.803 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Instrument :

BNA_F

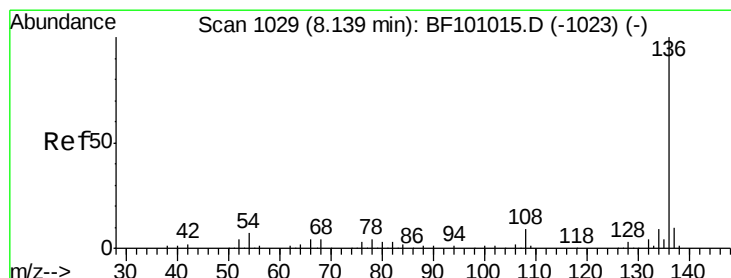
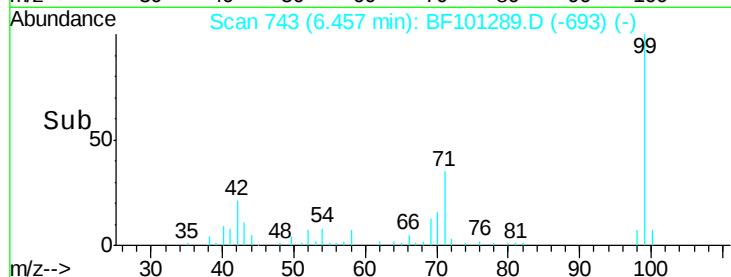
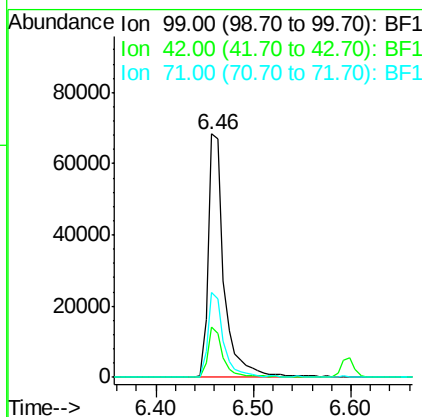
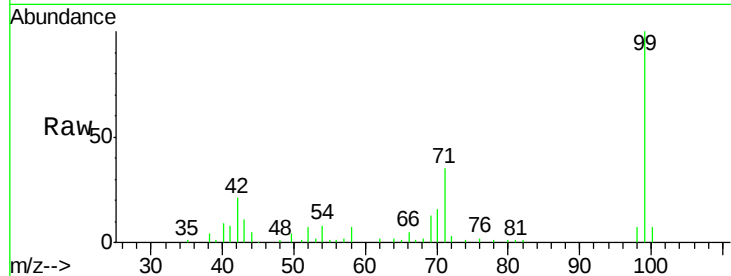
ClientSampleId :

ENV-103-1(0-5)

Tot Ion:	99	Resp:	76995
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	34.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

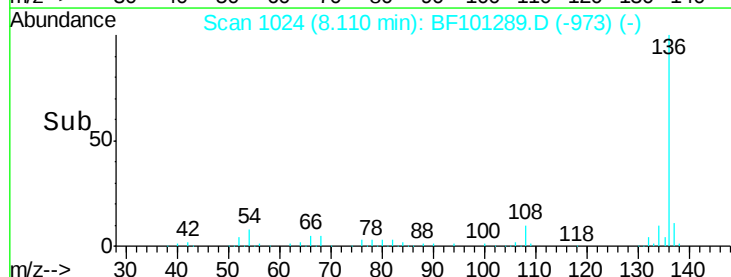
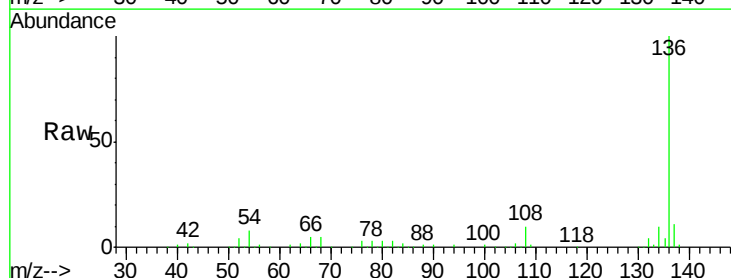
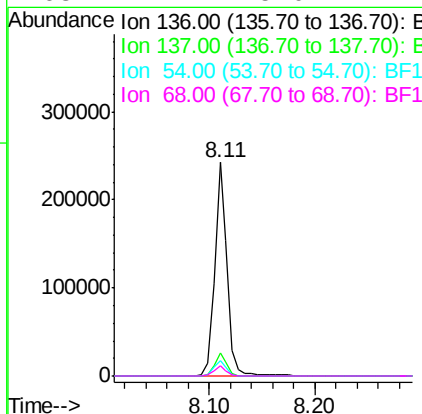
RT: 8.11 min Scan# 1024

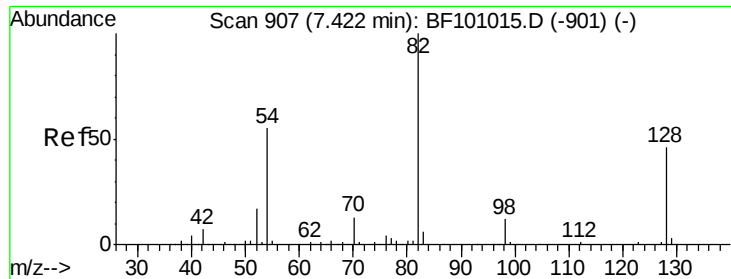
Delta R.T. 0.00 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Tgt Ion:	136	Resp:	200546
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.5	6.6	9.8
68	4.7	5.0	7.4#





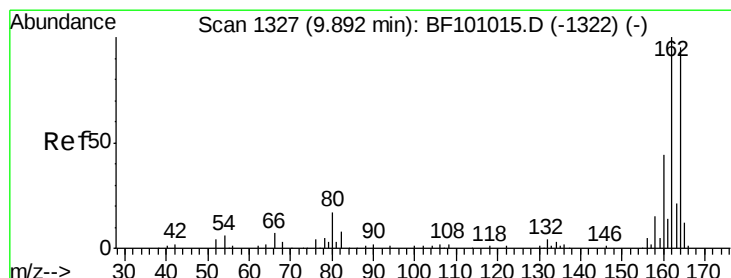
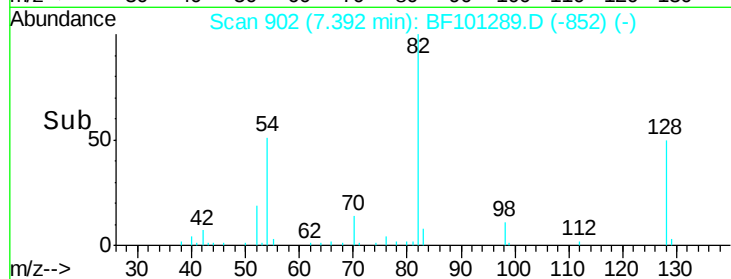
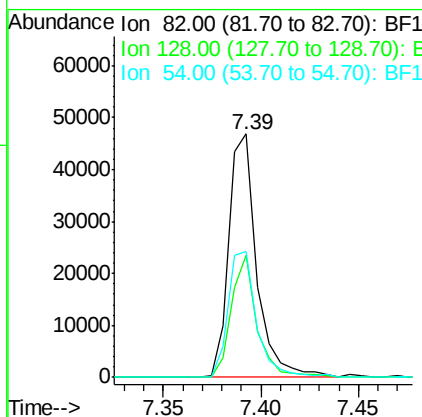
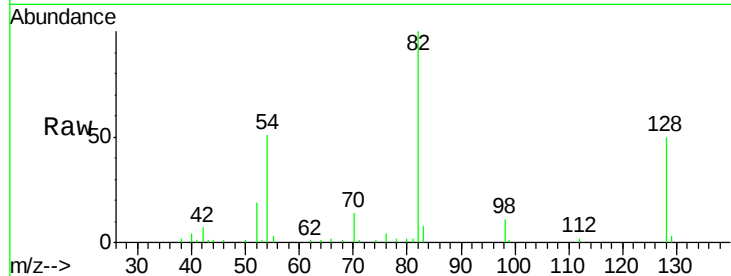
#23
 Nitrobenzene-d5
 Concen: 13.843 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)

Tot Ion	82	Resp	46537
Ion Ratio	100	Lower	Upper
82	100		
128	49.9	36.1	54.1
54	51.5	41.4	62.2

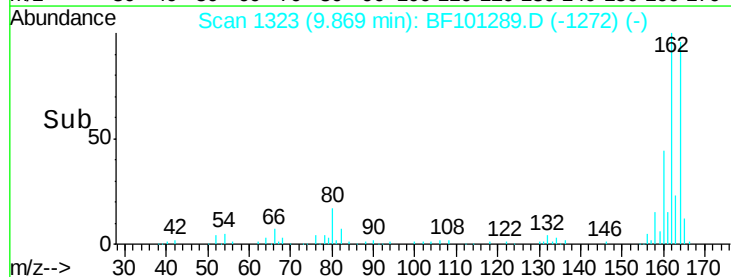
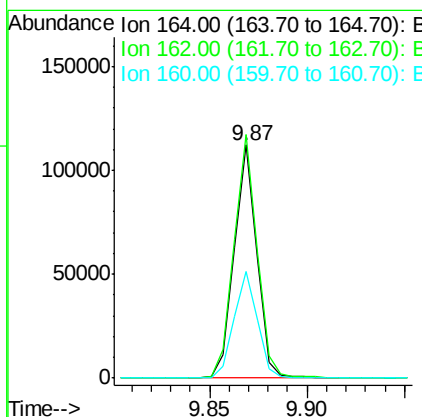
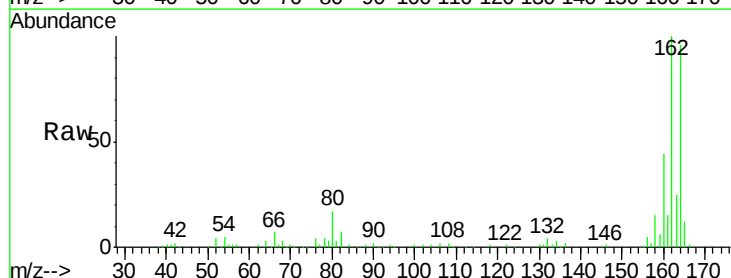
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Tgt Ion	164	Resp	90284
Ion Ratio	100	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	45.5	38.3	57.5





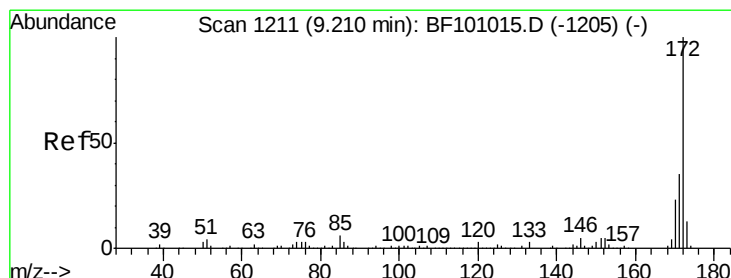
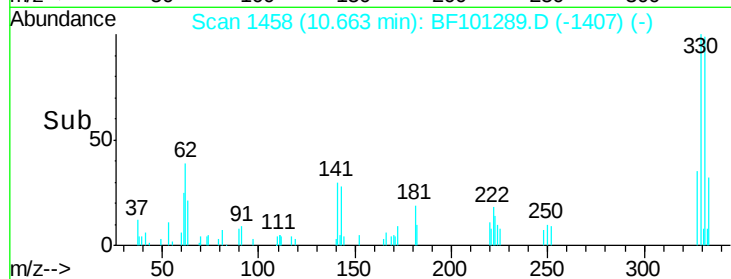
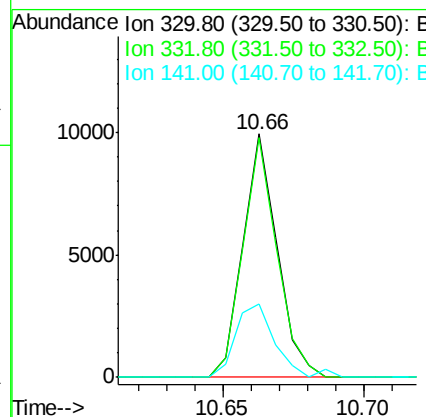
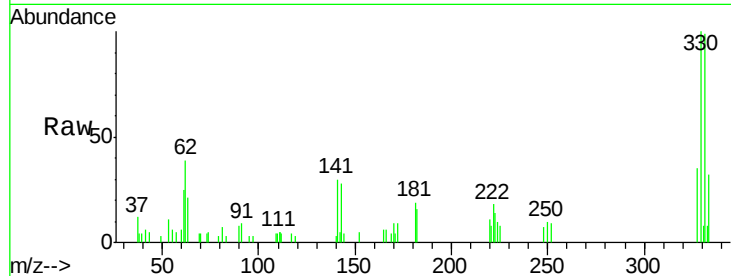
#41
 2,4,6-Tribromophenol
 Concen: 7.753 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Instrument :
 BNA_F
 ClientSampled :
 ENV-103-1(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	34.5	29.9	44.9

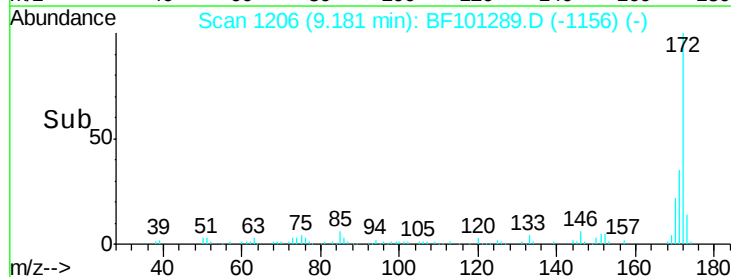
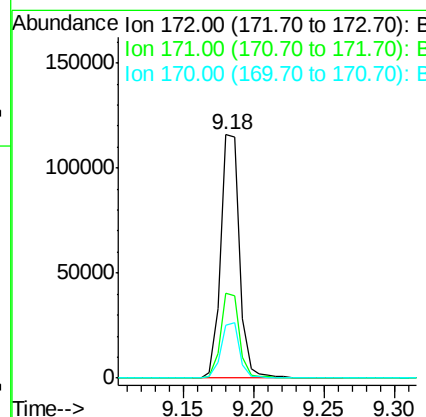
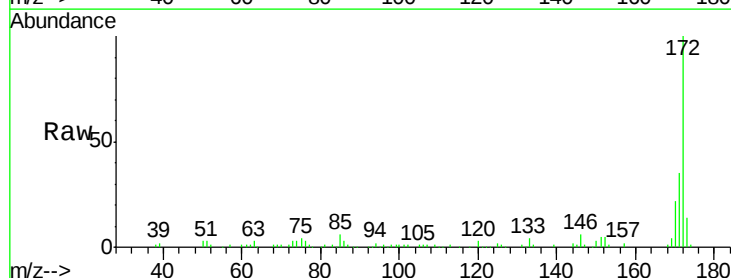
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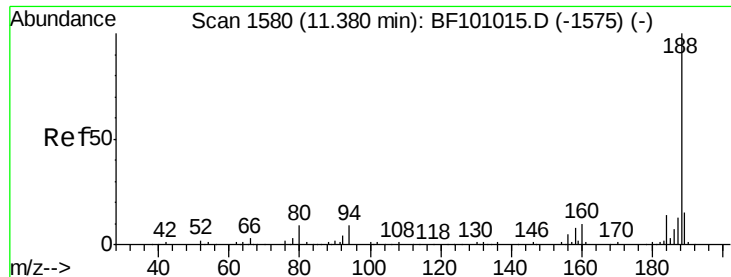
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#44
 2-Fluorobiphenyl
 Concen: 16.324 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	21.5	19.6	29.4





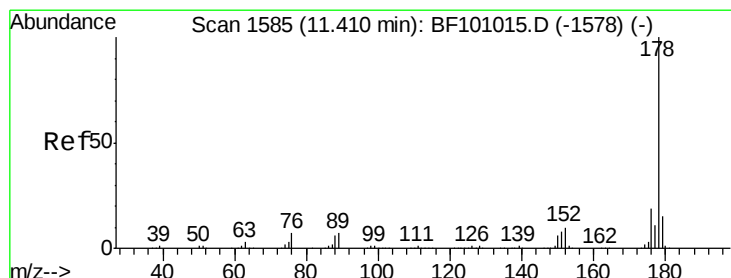
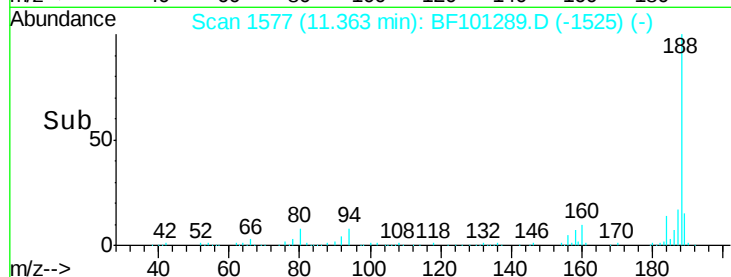
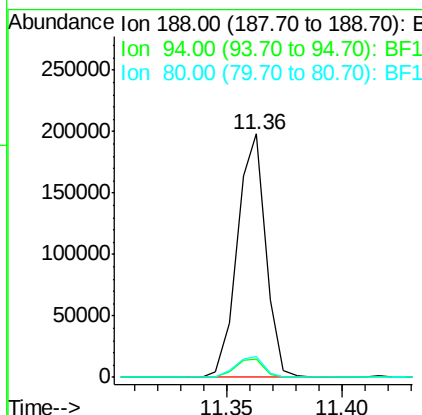
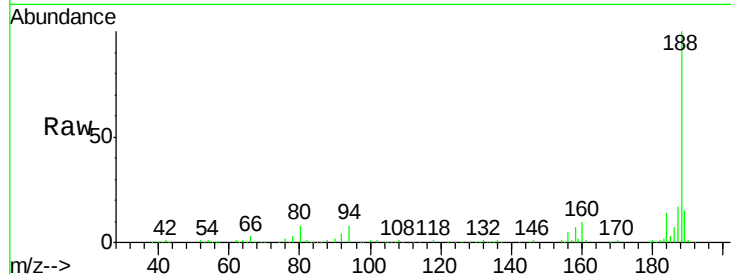
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.4	9.2	13.8#

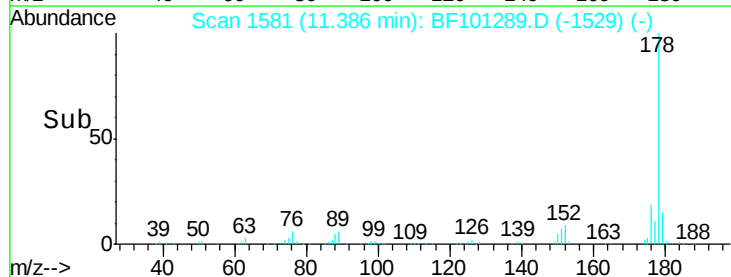
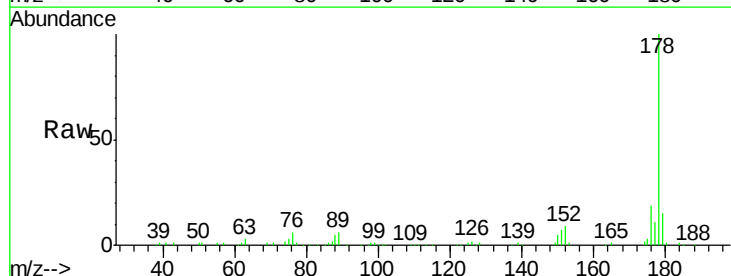
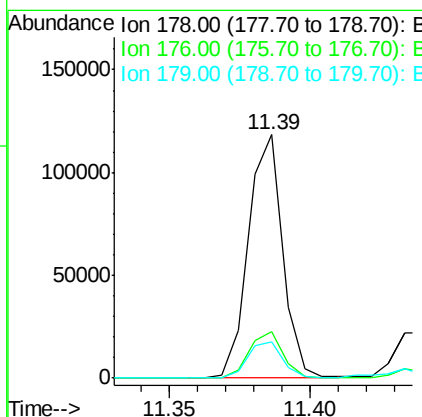
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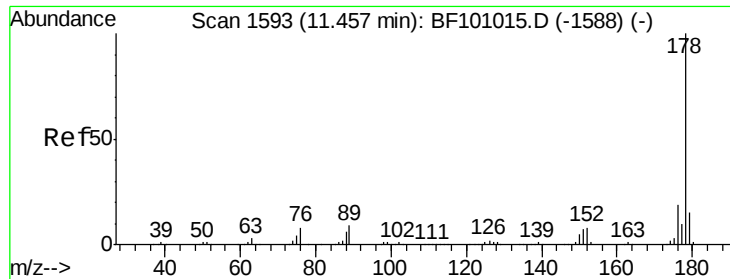
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#70
 Phenanthrene
 Concen: 10.699 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.9	13.0	19.6





#71

Anthracene

Concen: 2.307 ng/mL

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Instrument :

BNA_F

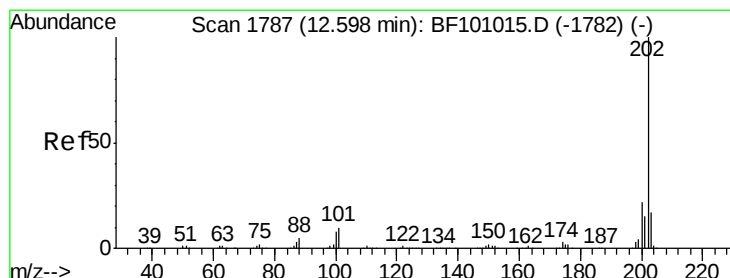
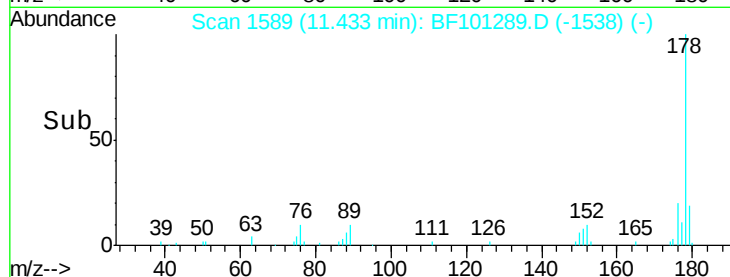
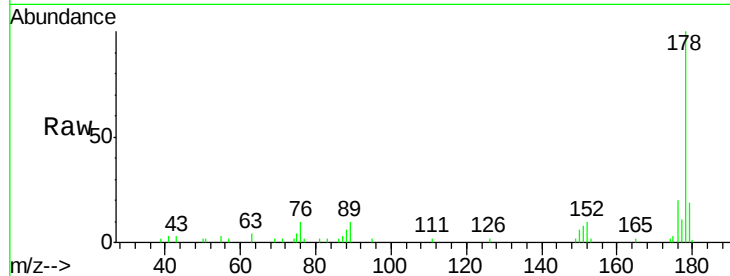
ClientSampleId :

ENV-103-1(0-5)

Tot Ion:	178	Resp:	21822
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.2
179	19.4	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 12.850 ng/mL

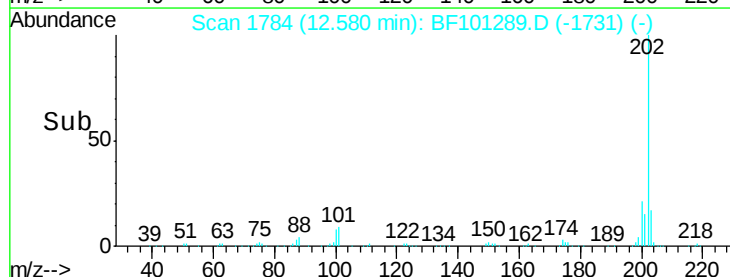
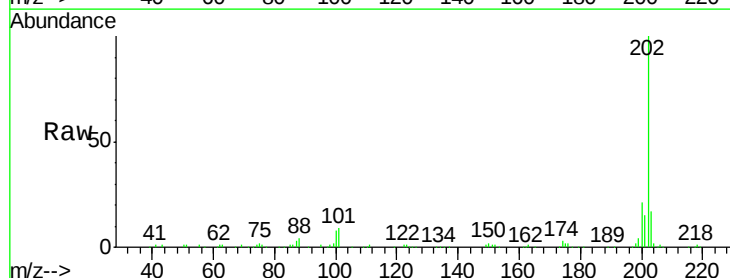
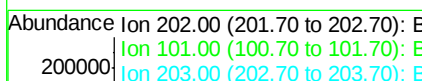
RT: 12.58 min Scan# 1784

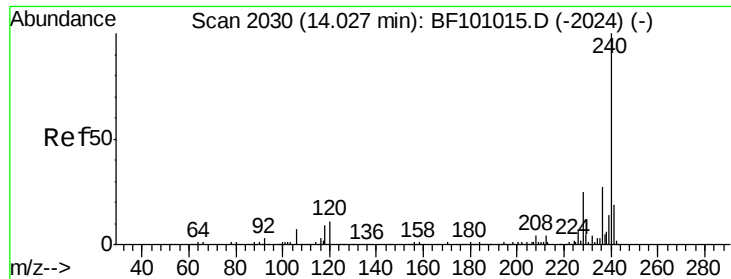
Delta R.T. 0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Tgt Ion:	202	Resp:	133133
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Instrument :

BNA_F

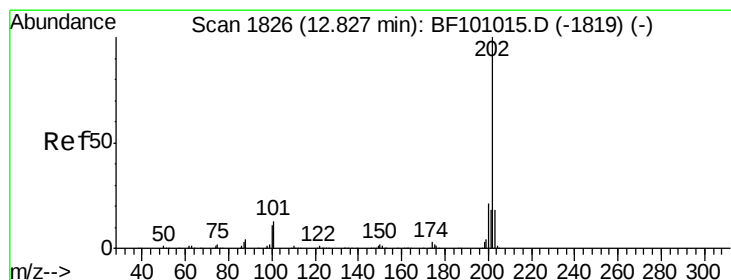
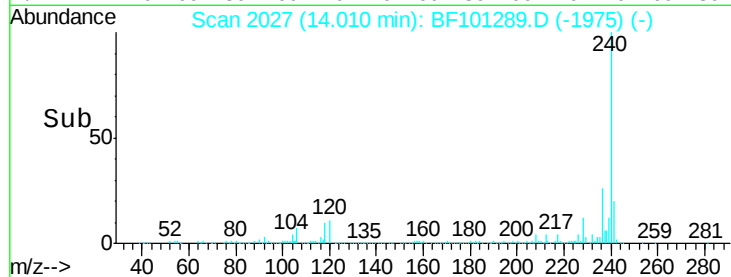
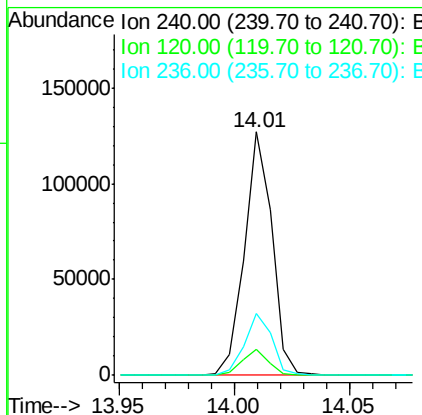
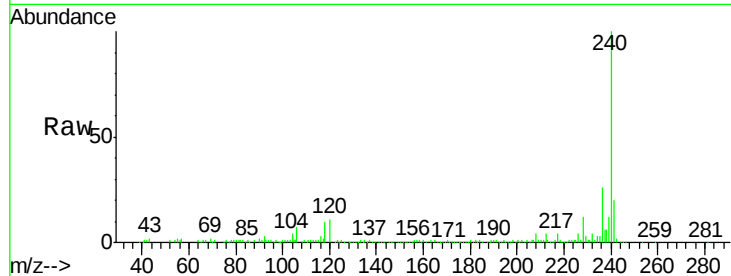
ClientSampleId :

ENV-103-1(0-5)

Tot Ion:	240	Resp:	106242
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 17.209 ng

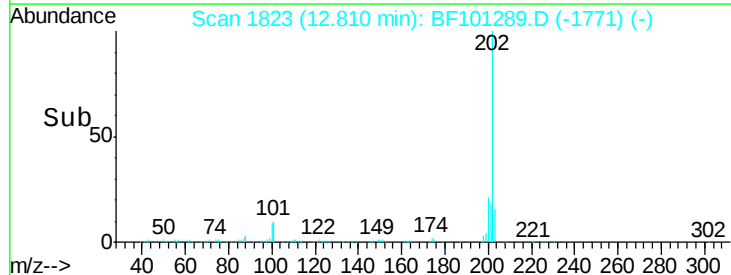
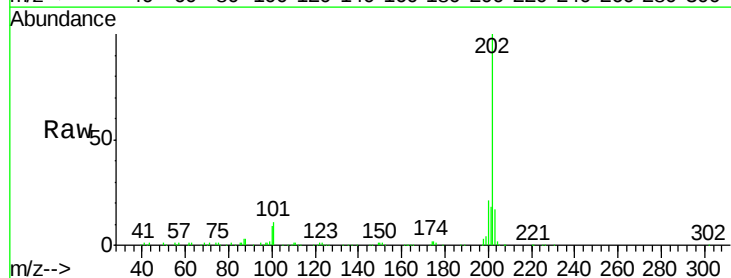
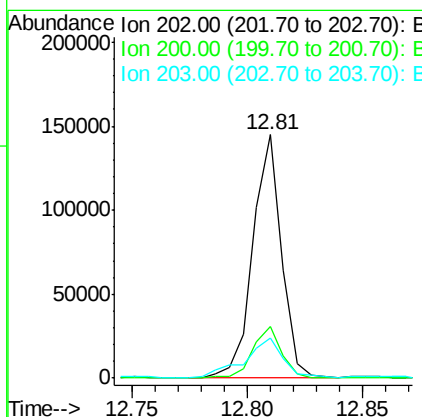
RT: 12.81 min Scan# 1823

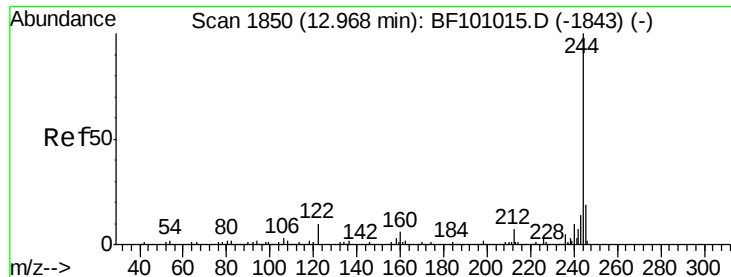
Delta R.T. 0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Tgt Ion:	202	Resp:	126158
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	16.6	14.3	21.5





#78

Terphenyl-d14

Concen: 18.210 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Instrument :

BNA_F

ClientSampleId :

ENV-103-1(0-5)

Tot Ion:244 Resp: 88452

Ion Ratio Lower Upper

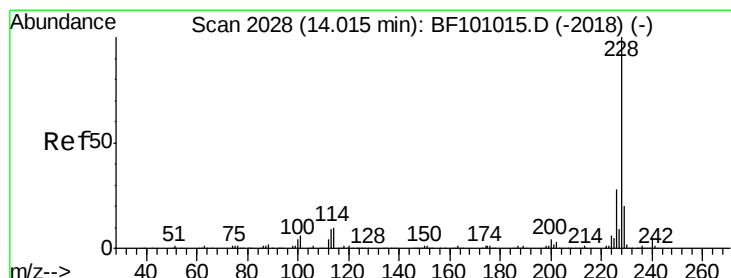
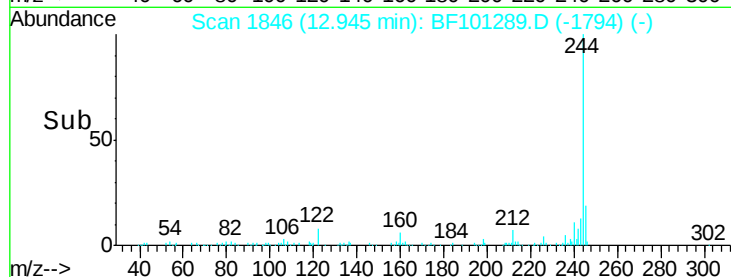
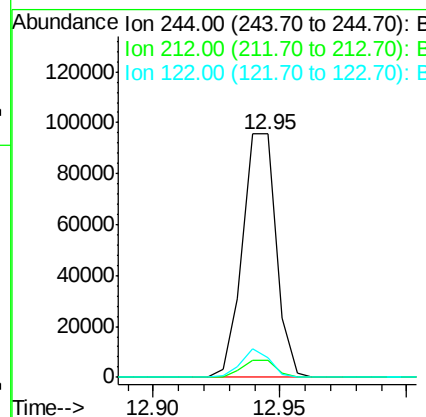
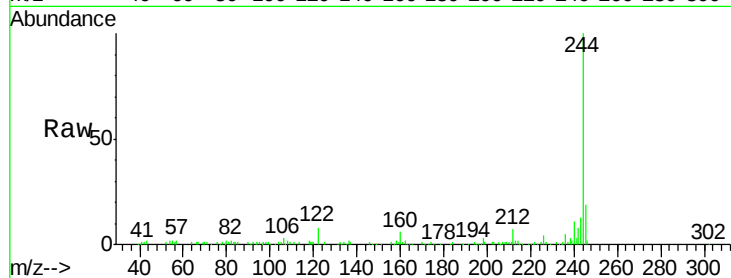
244 100

212 6.8 5.4 8.0

122 8.2 11.0 16.4#

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#80

Benzo(a)anthracene

Concen: 8.161 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

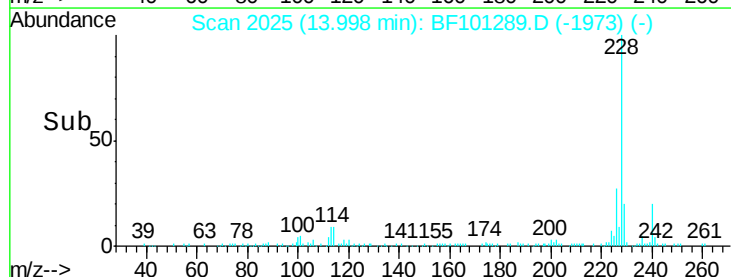
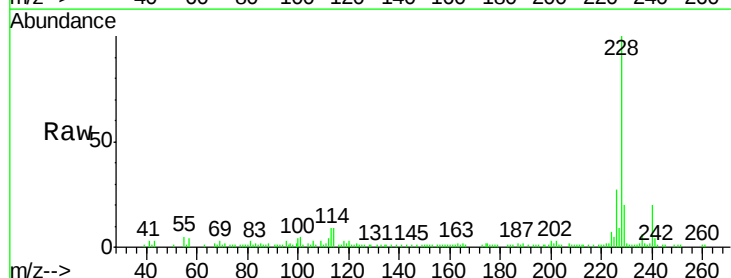
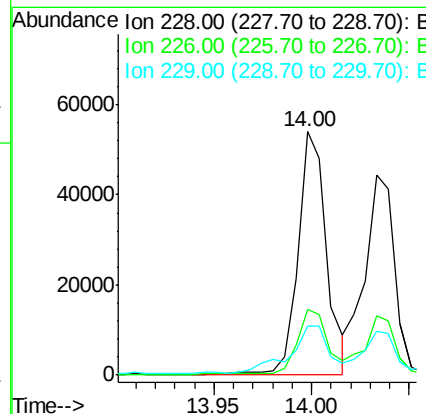
Tgt Ion:228 Resp: 54746

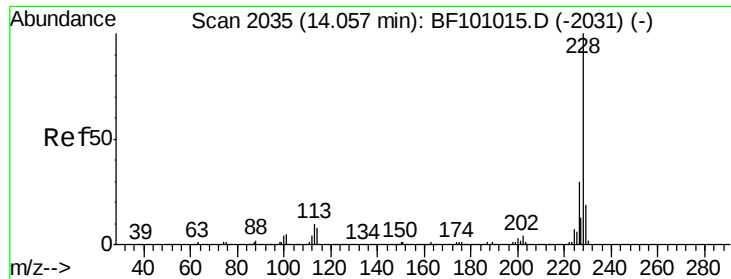
Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

229 20.3 15.8 23.6





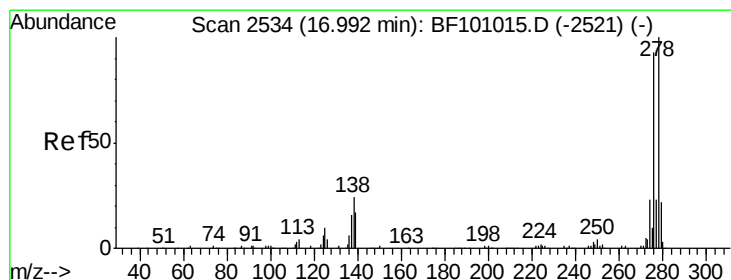
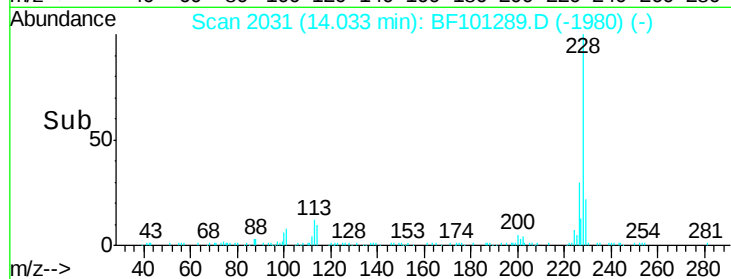
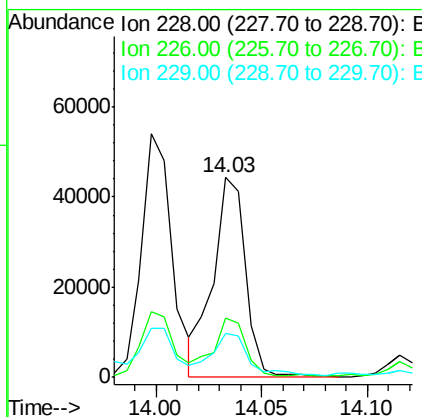
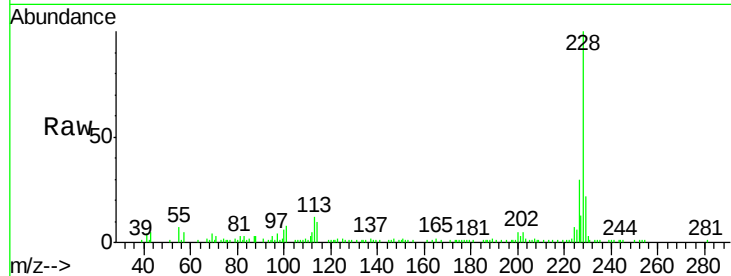
#82
Chrysene
Concen: 7.705 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.1	16.2	24.4

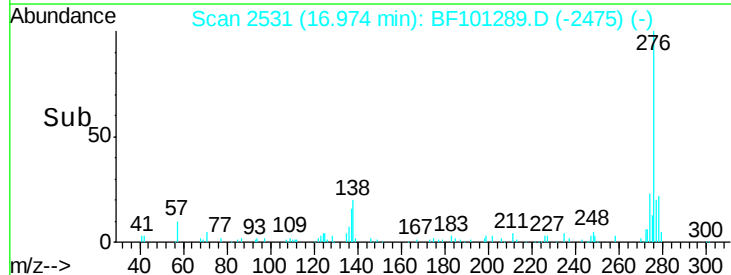
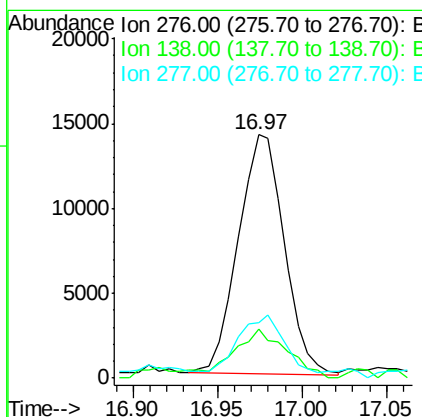
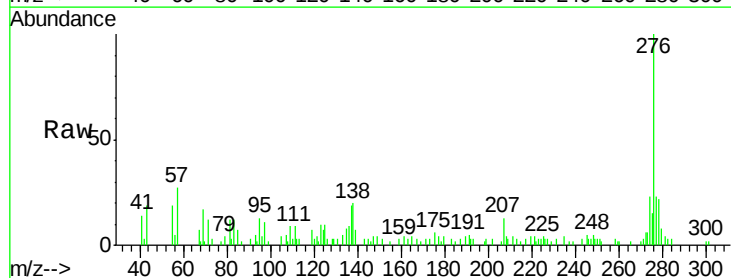
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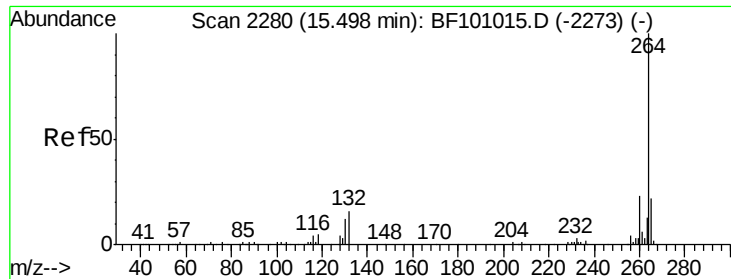
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.845 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.0	37.6#
277	23.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Instrument :

BNA_F

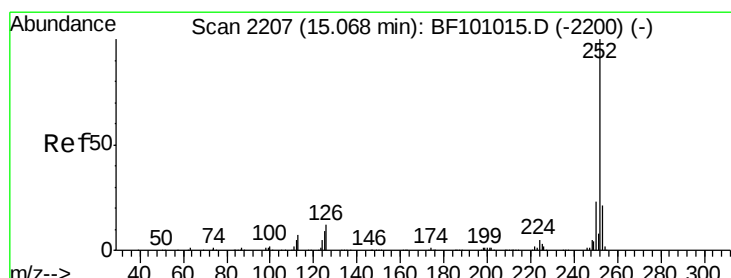
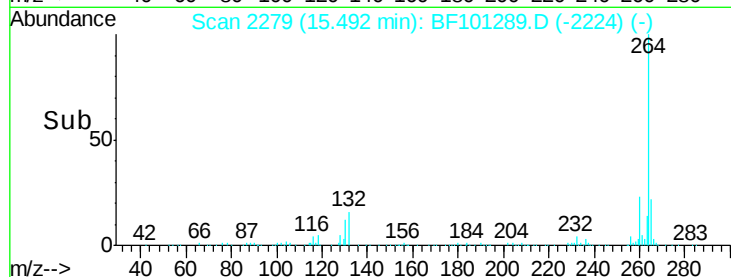
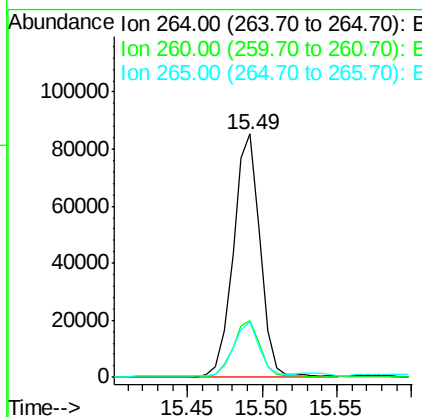
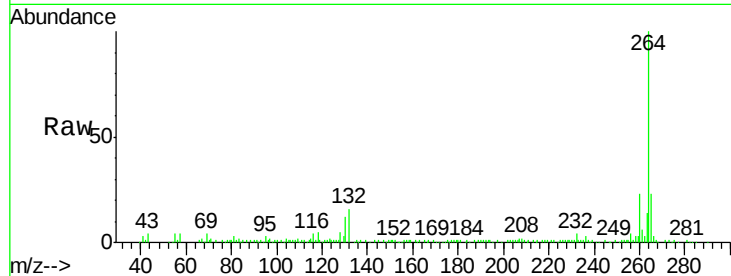
ClientSampleId :

ENV-103-1(0-5)

Tot Ion:	264	Resp:	107369
Ion Ratio		Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.7	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 8.865 ng m

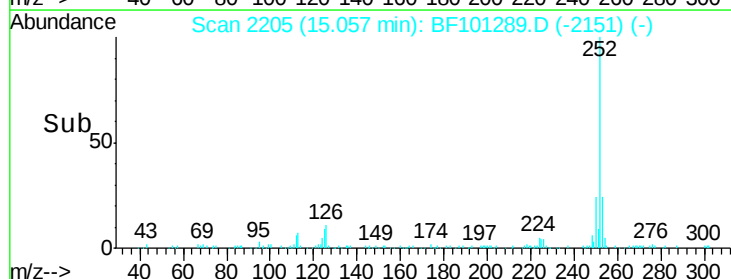
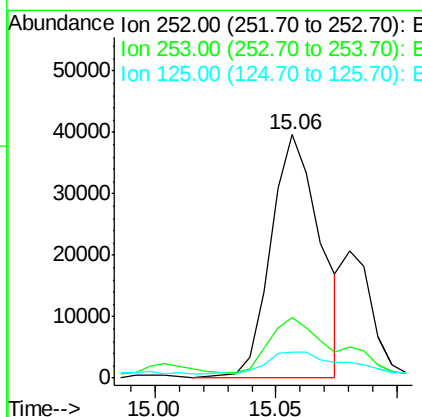
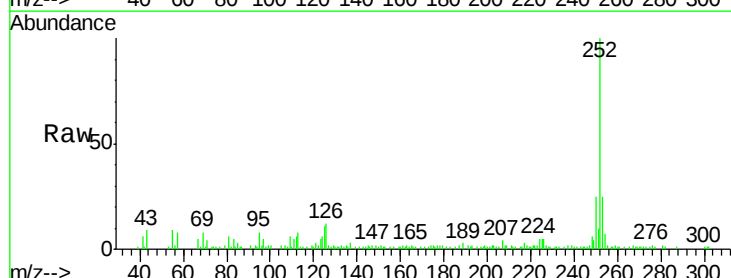
RT: 15.06 min Scan# 2205

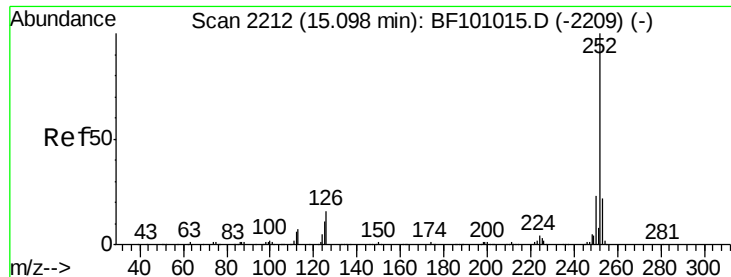
Delta R.T. 0.02 min

Lab File: BF101289.D

Acq: 11 Dec 2017 15:09

Tgt Ion:	252	Resp:	57012
Ion Ratio		Lower	Upper
252	100		
253	24.9	17.0	25.6
125	10.8	9.0	13.6





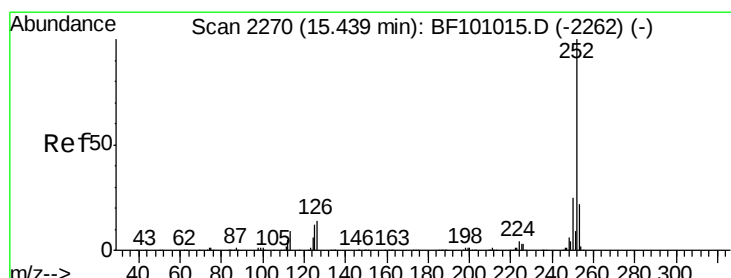
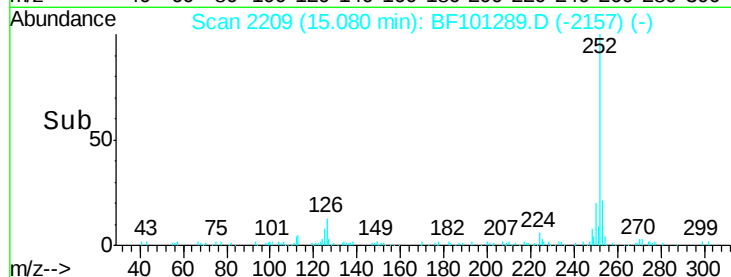
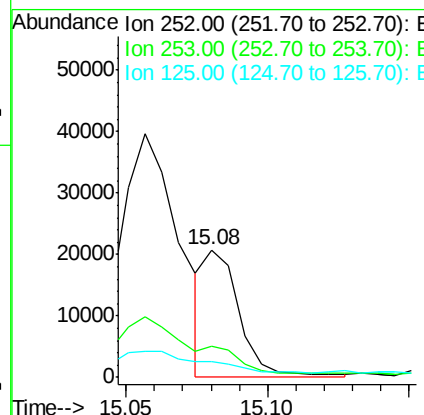
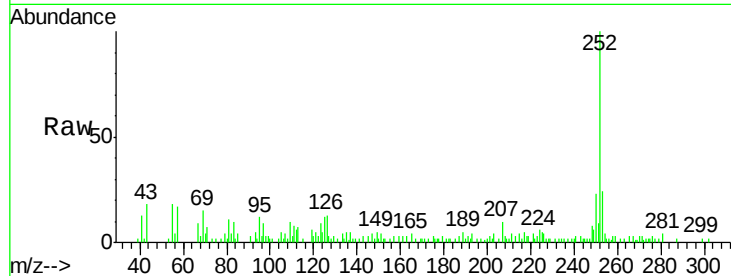
#88
Benzo(k)fluoranthene
Concen: 2.826 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.3	10.2	15.2

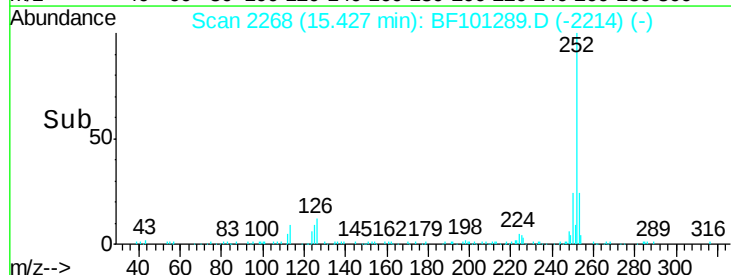
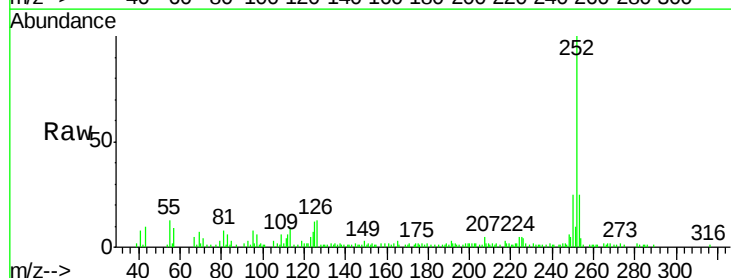
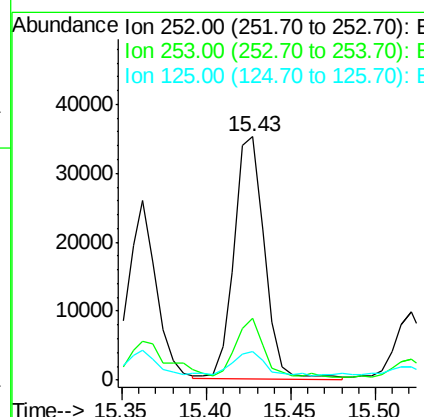
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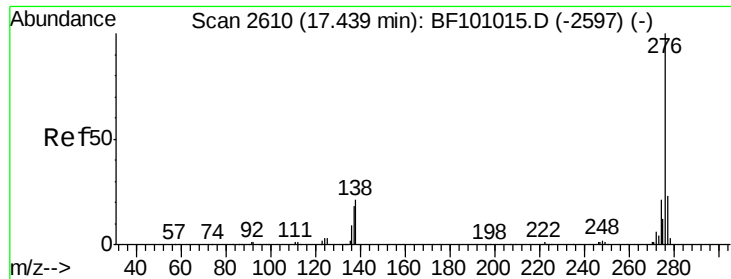
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#89
Benzo(a)pyrene
Concen: 7.463 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101289.D
Acq: 11 Dec 2017 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	11.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.558 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.04 min
 Lab File: BF101289.D
 Acq: 11 Dec 2017 15:09

Instrument :
 BNA_F
 ClientSampleId :
 ENV-103-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	17.7	21.8	32.8

Manual Integrations
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