

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101290.D
 Acq On : 11 Dec 2017 15:35
 Operator : SJ/JU
 Sample : I6747-04 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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 12/12/2017 3:59:06 PM

Quant Time: Dec 11 17:08:19 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	50412	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	198173	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	89487	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	159323	20.00	ng	0.00
75) Chrysene-d12	14.01	240	100535	20.00	ng	0.00
86) Perylene-d12	15.49	264	101541	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	33627	11.02	ng	0.00
7) Phenol-d6	6.46	99	44797	12.09	ng	0.00
23) Nitrobenzene-d5	7.39	82	25980	7.82	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	8537	7.94	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	61670	9.43	ng	0.00
78) Terphenyl-d14	12.94	244	47538	10.34	ng	0.00
Target Compounds						
70) Phenanthrene	11.39	178	23433	2.671	ng	99
74) Fluoranthene	12.58	202	38736	3.983	ng	94
77) Pyrene	12.81	202	37326	5.381	ng	98
80) Benzo(a)anthracene	14.00	228	18091	2.850	ng	95
82) Chrysene	14.03	228	16193	2.747	ng	97
87) Benzo(b)fluoranthene	15.06	252	19631m	3.228	ng	
89) Benzo(a)pyrene	15.43	252	15286	2.765	ng	# 85
91) Benzo(g,h,i)perylene	17.43	276	9249	2.013	ng	# 89

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

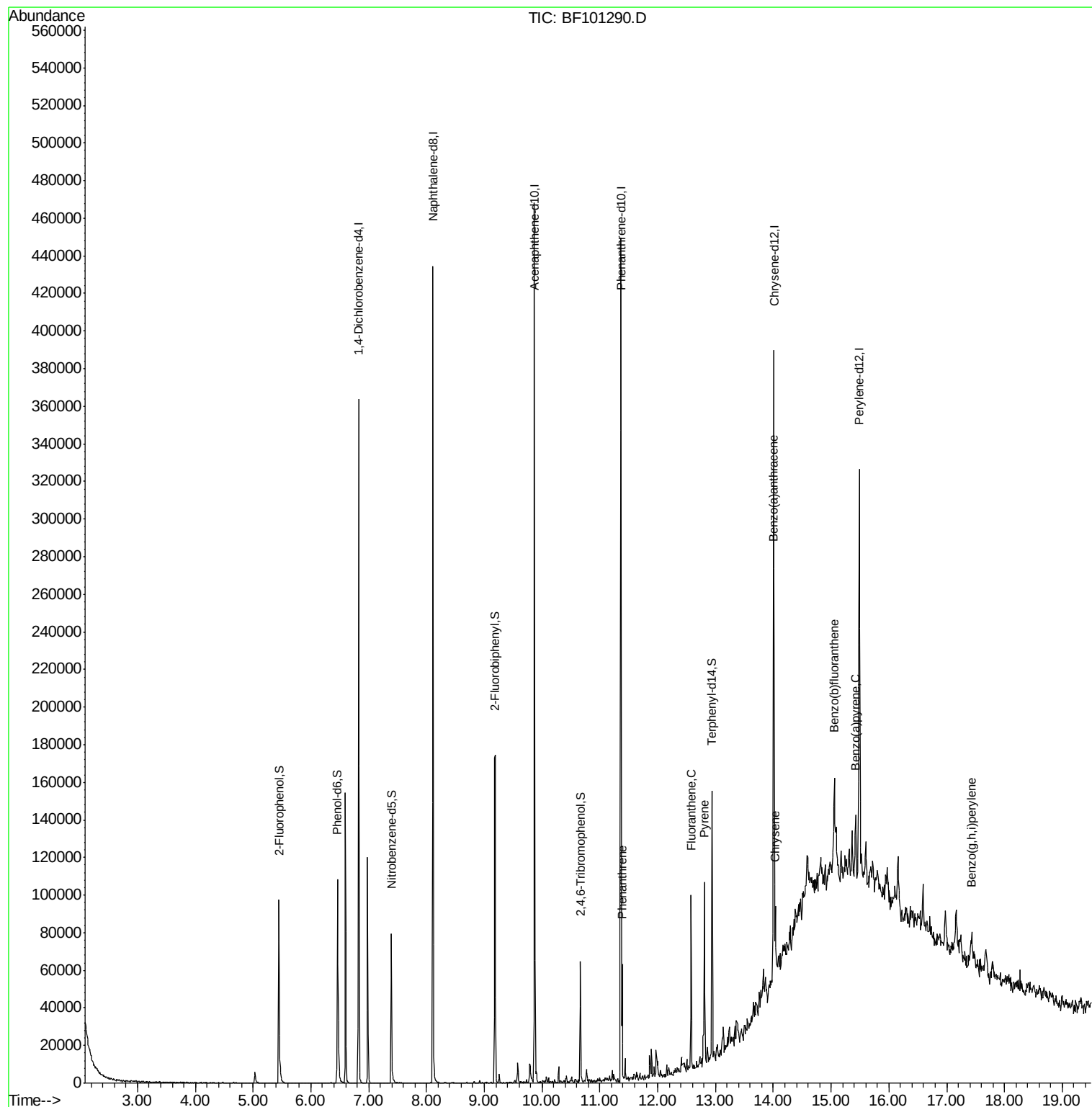
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101290.D
Acq On : 11 Dec 2017 15:35
Operator : SJ/JU
Sample : I6747-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

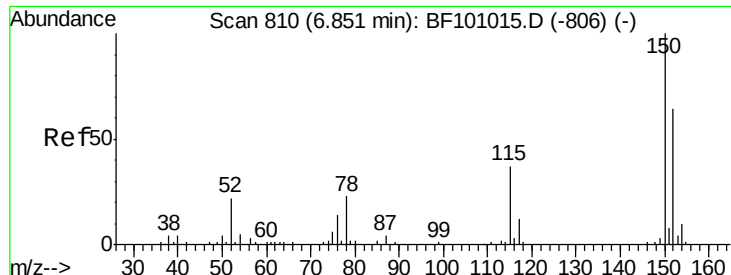
Instrument :
BNA_F
ClientSampleId :
ENV-103-1(0-5)DUP

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Quant Time: Dec 11 17:08:19 2017
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#1

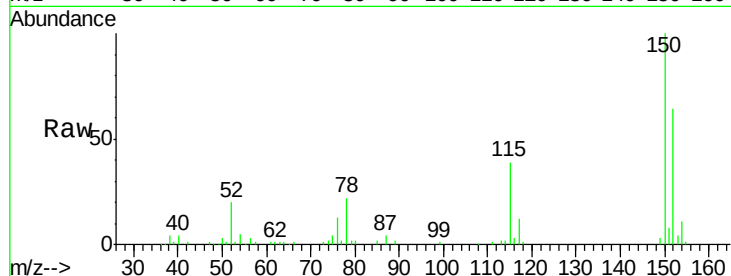
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	60.2	50.1	75.1

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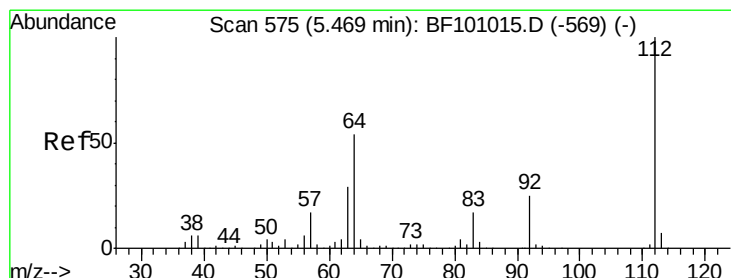
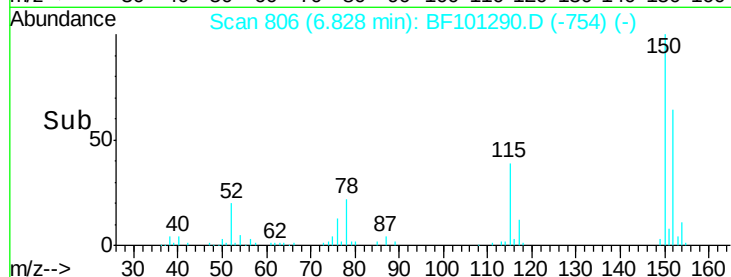
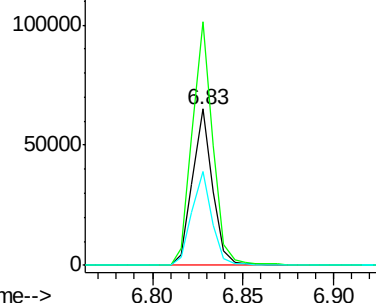


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

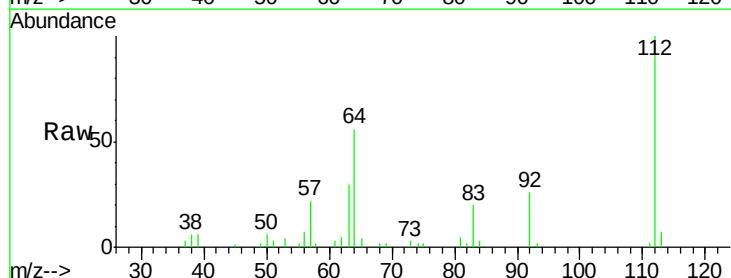
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.023 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	30.4	23.7	35.5

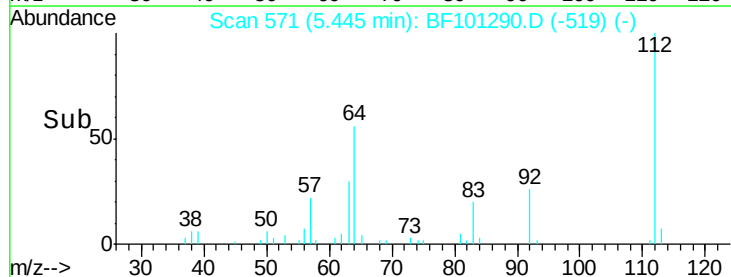
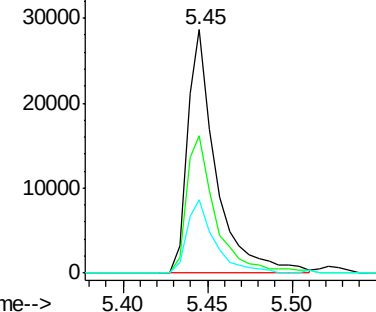


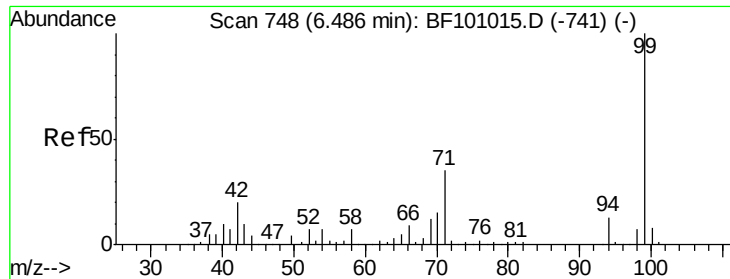
Abundance

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: 12.095 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Instrument :

BNA_F

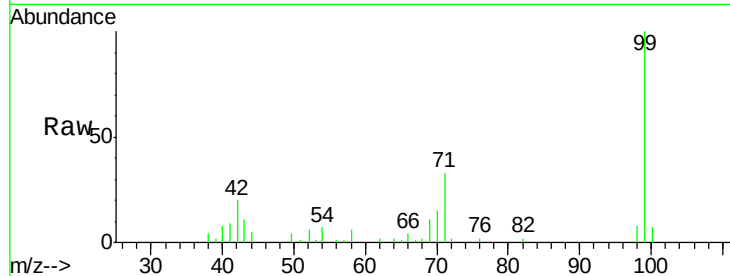
ClientSampleId :

ENV-103-1(0-5)DUP

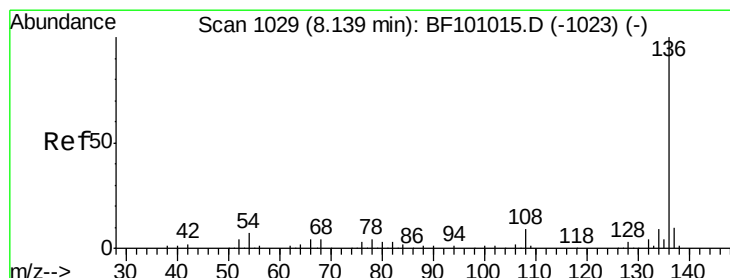
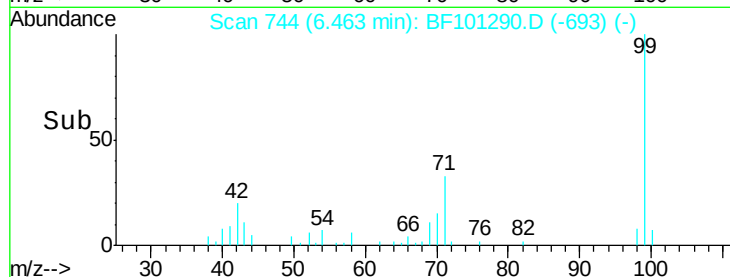
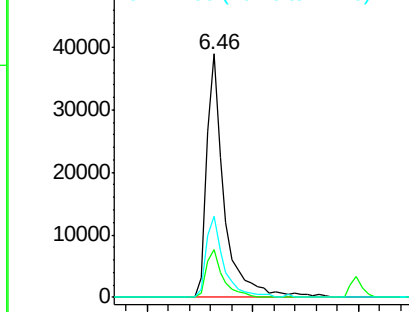
Tot Ion:	99	Resp:	44797
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	33.1	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

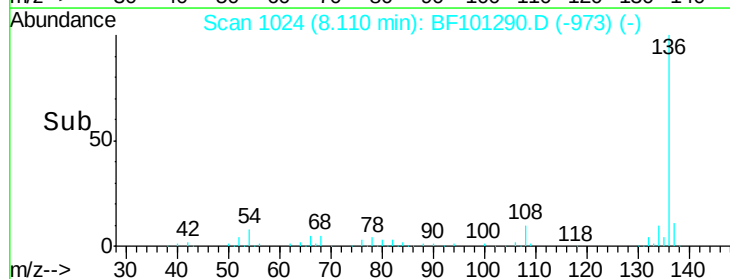
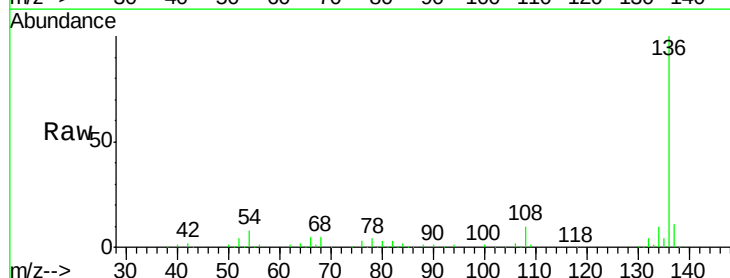
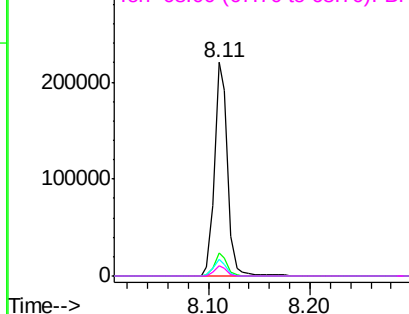
Delta R.T. -0.00 min

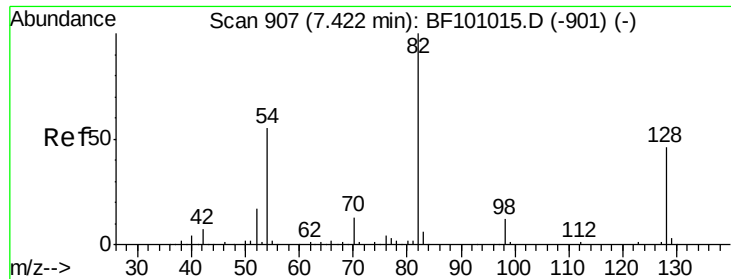
Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Tgt Ion:	136	Resp:	198173
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	5.0	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





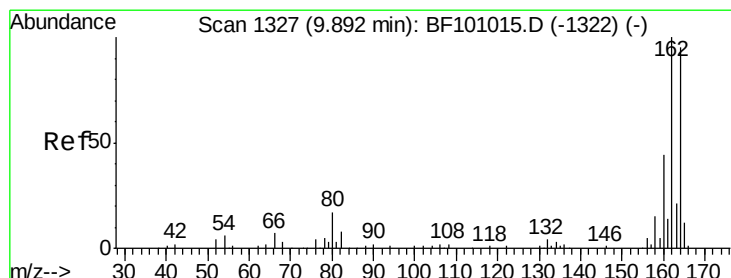
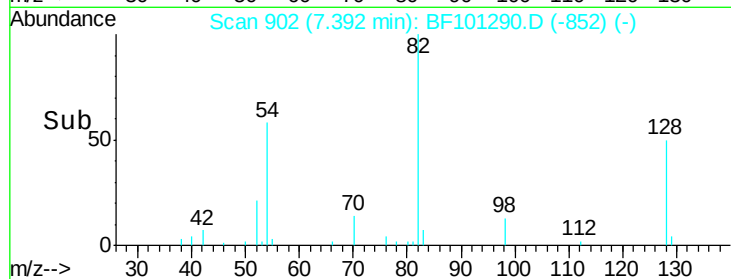
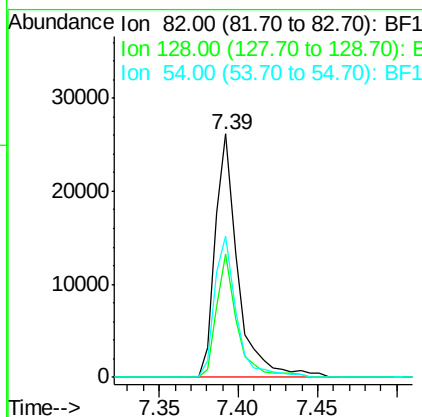
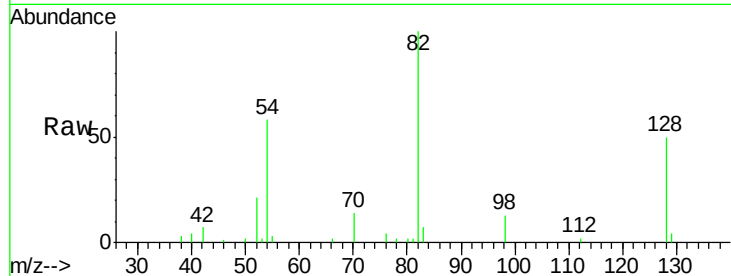
#23
Nitrobenzene-d5
Concen: 7.820 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	82	Resp	25980
Ion Ratio	Lower	Upper	
82	100		
128	50.4	36.1	54.1
54	58.2	41.4	62.2

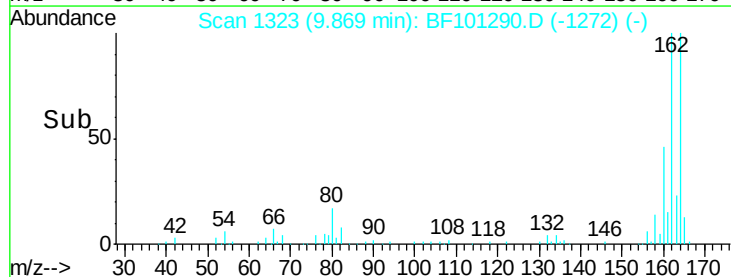
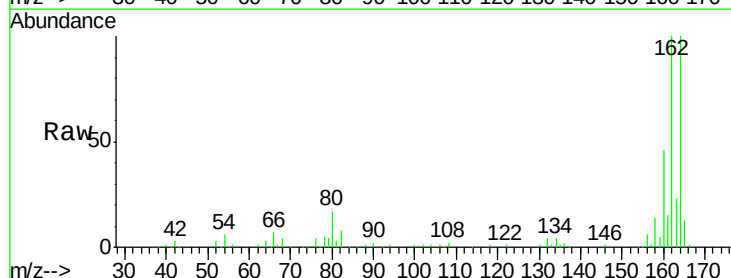
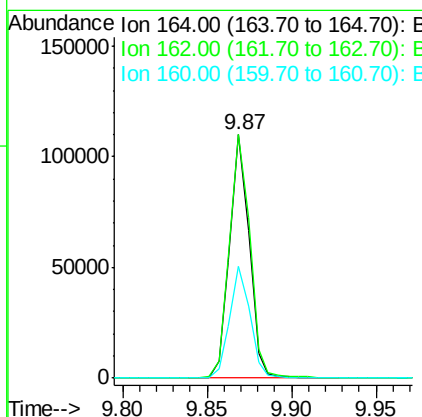
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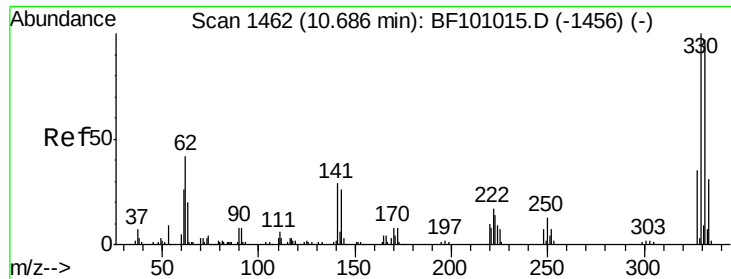
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	164	Resp	89487
Ion Ratio	Lower	Upper	
164	100		
162	99.9	86.1	129.1
160	45.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 7.941 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Instrument :

BNA_F

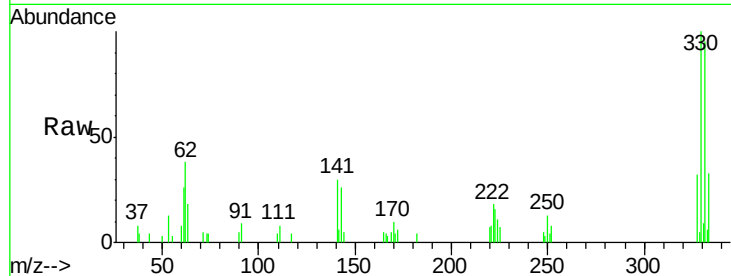
ClientSampleId :

ENV-103-1(0-5)DUP

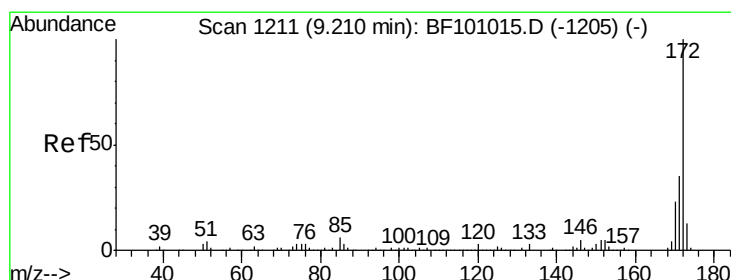
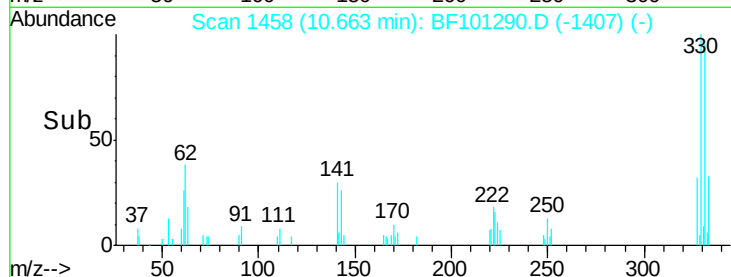
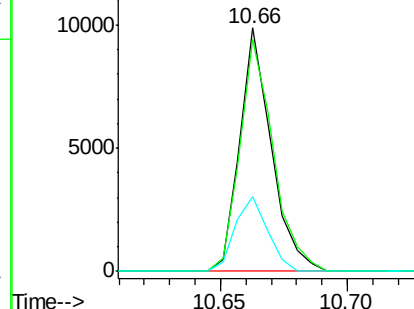
Tot Ion:	330	Resp:	8537
Ion Ratio	Lower	Upper	
330	100		
332	101.0	77.0	115.6
141	31.5	29.9	44.9

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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: 9.429 ng

RT: 9.19 min Scan# 1207

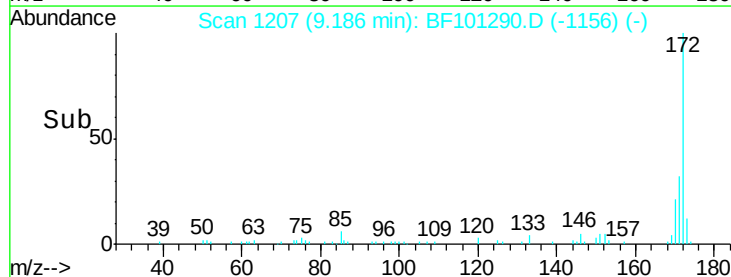
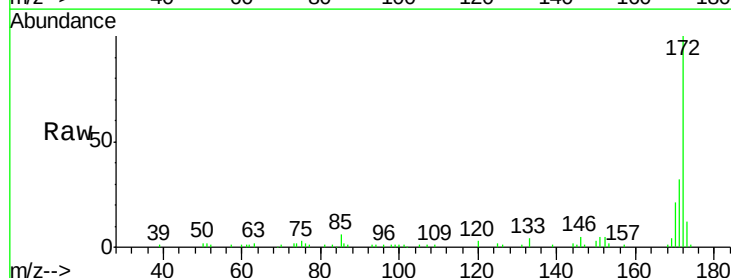
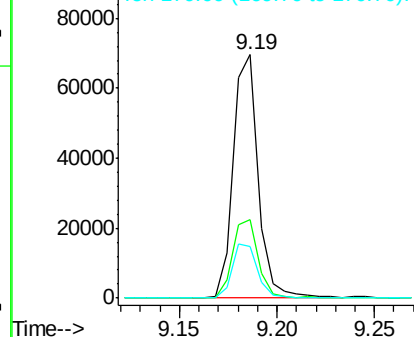
Delta R.T. -0.00 min

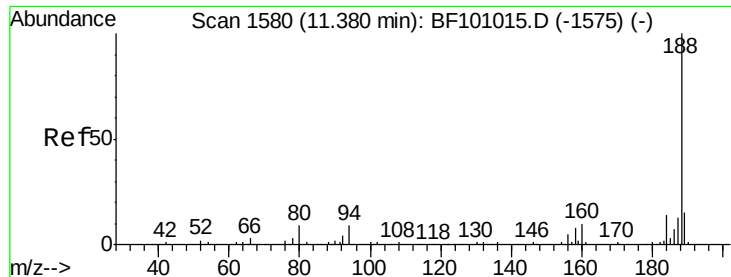
Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Tgt Ion:	172	Resp:	61670
Ion Ratio	Lower	Upper	
172	100		
171	32.0	29.7	44.5
170	21.3	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





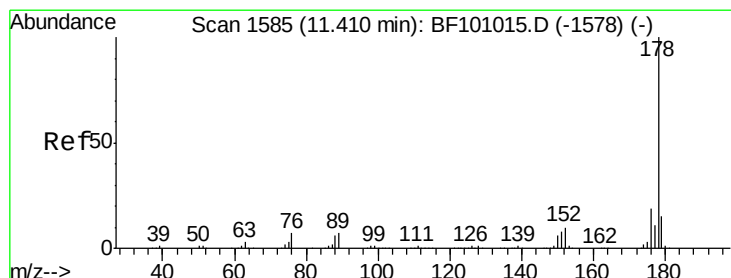
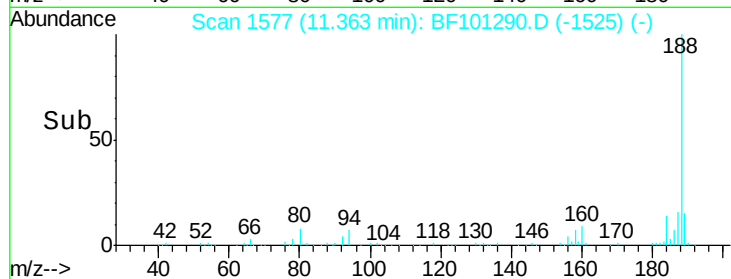
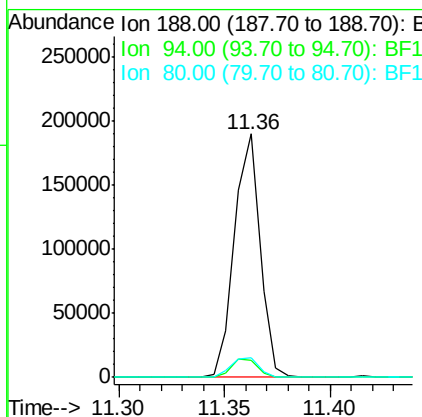
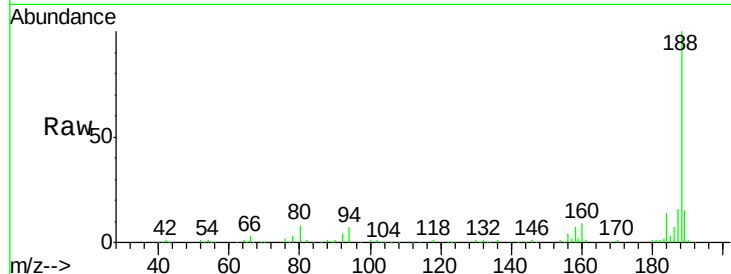
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.1	8.5	12.7#
80	7.8	9.2	13.8#

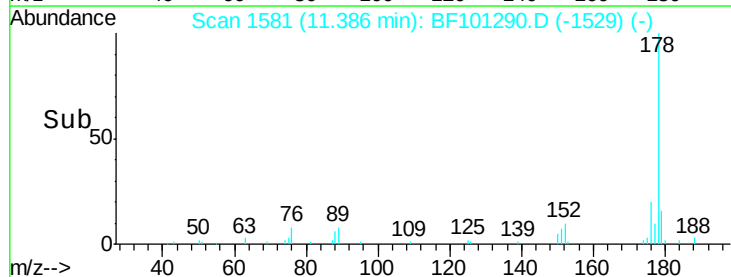
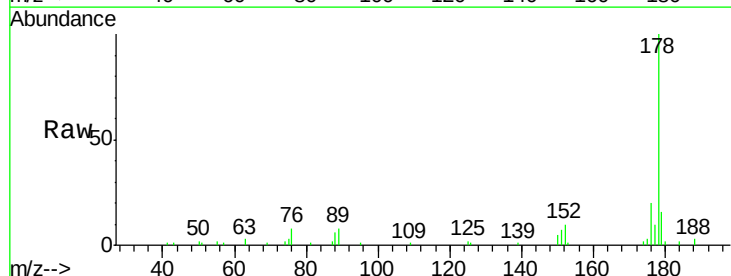
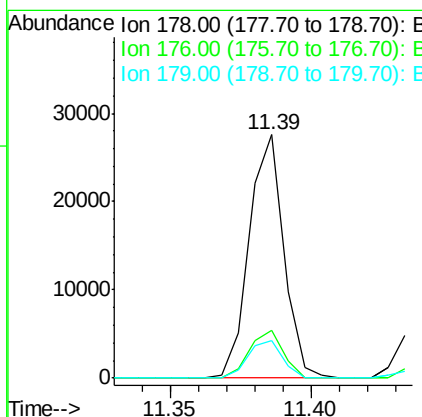
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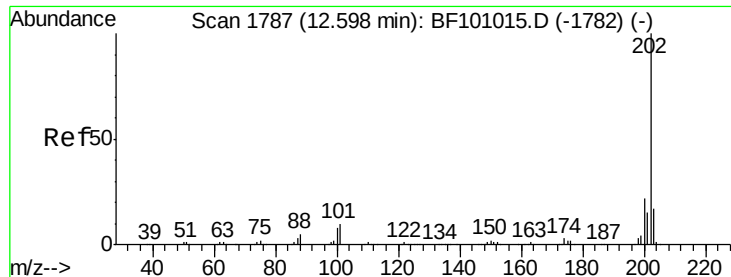
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#70
Phenanthrene
Concen: 2.671 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.7	13.0	19.6





#74

Fluoranthene

Concen: 3.983 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Instrument :

BNA_F

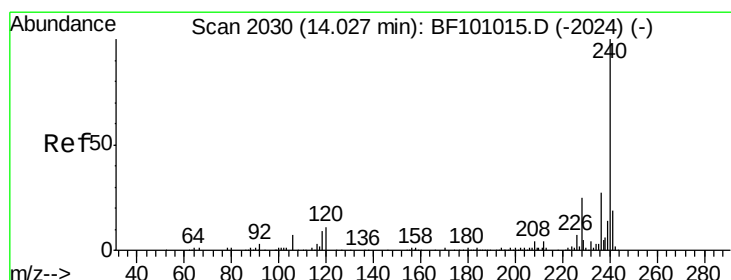
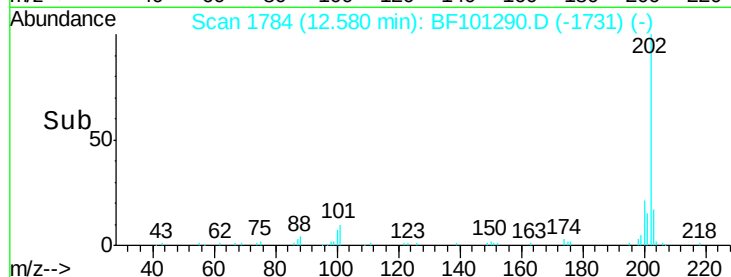
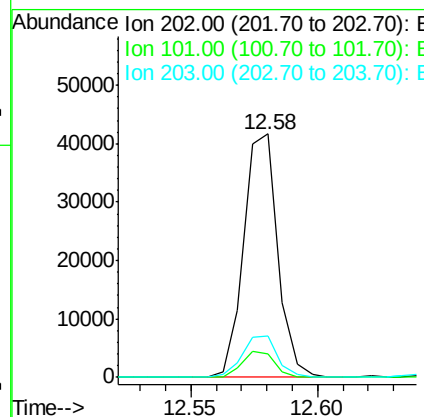
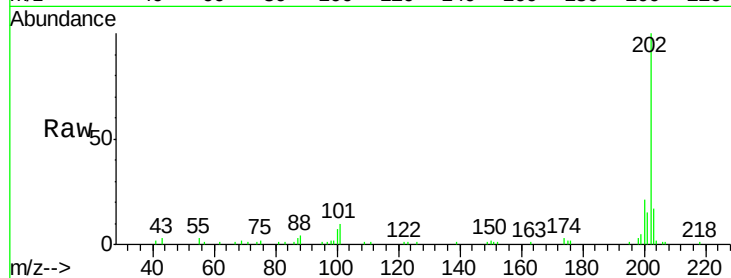
ClientSampleId :

ENV-103-1(0-5)DUP

Tot Ion:	202	Resp:	38736
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	34.1
203	16.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

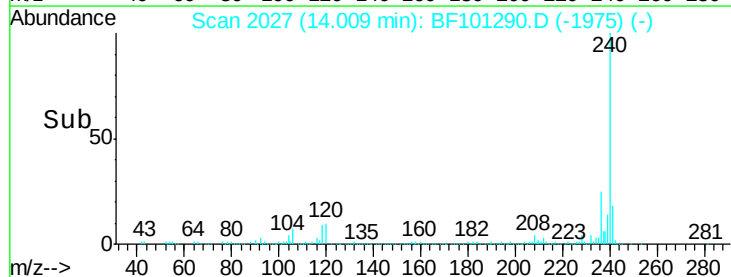
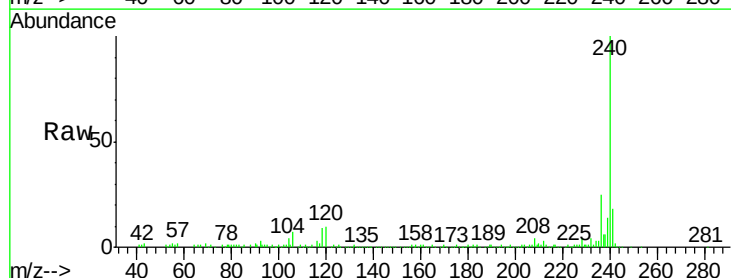
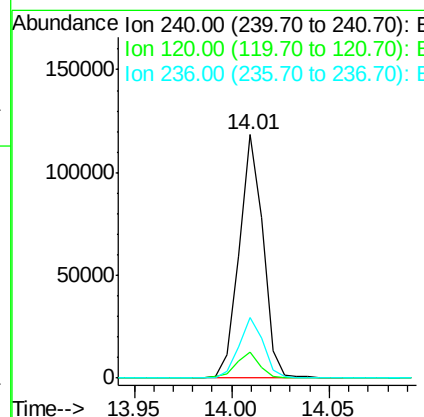
RT: 14.01 min Scan# 2027

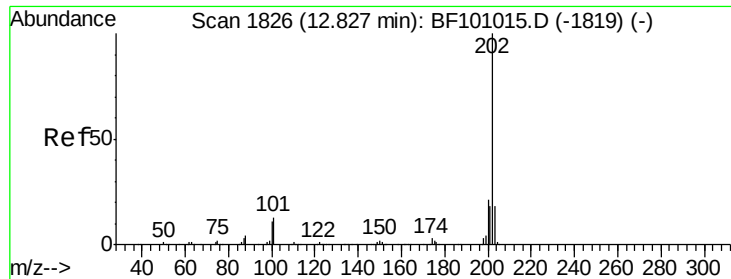
Delta R.T. 0.01 min

Lab File: BF101290.D

Acq: 11 Dec 2017 15:35

Tgt Ion:	240	Resp:	100535
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	24.7	20.7	31.1





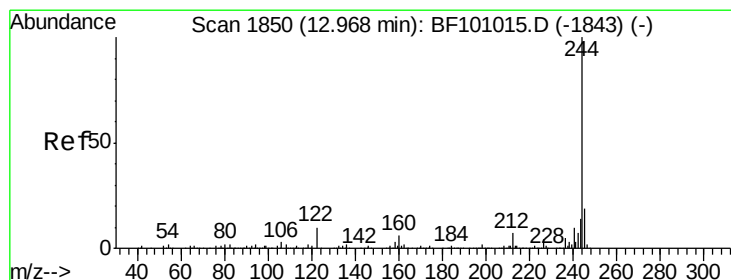
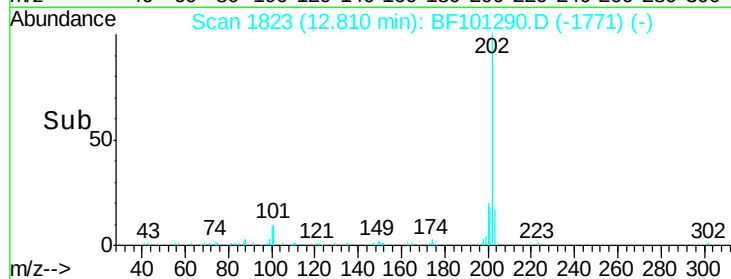
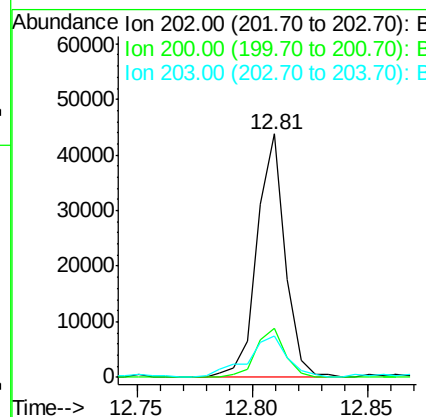
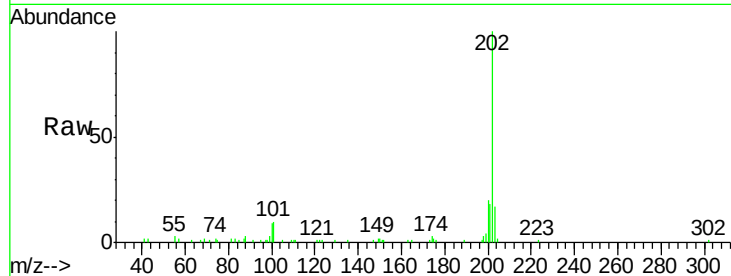
#77
Pvrene
Concen: 5.381 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.2	14.3	21.5

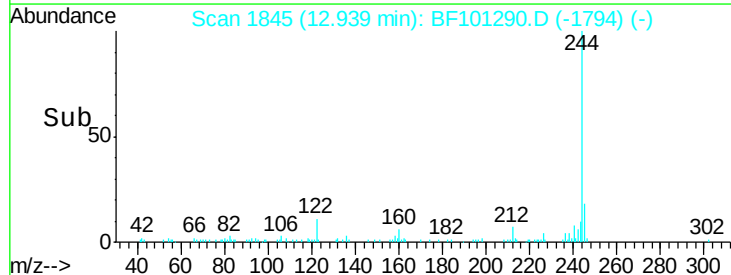
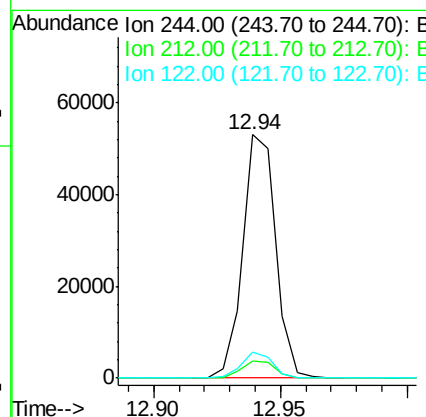
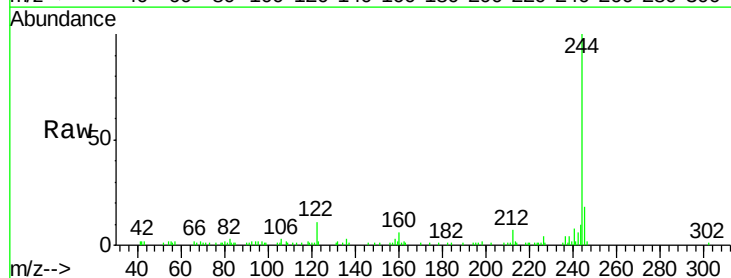
Manual Integrations
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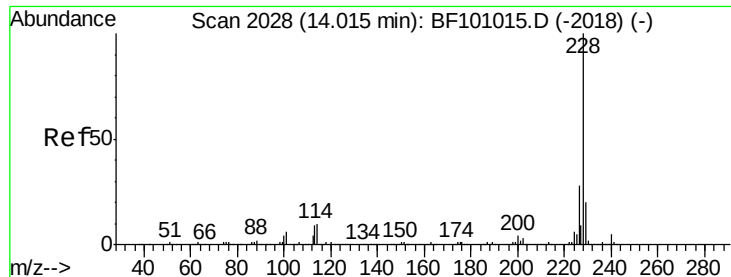
Sohil
12/12/2017 3:59:06 PM



#78
Terphenyl-d14
Concen: 10.342 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.5	11.0	16.4#





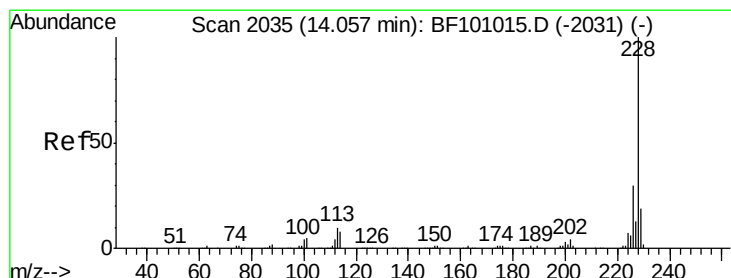
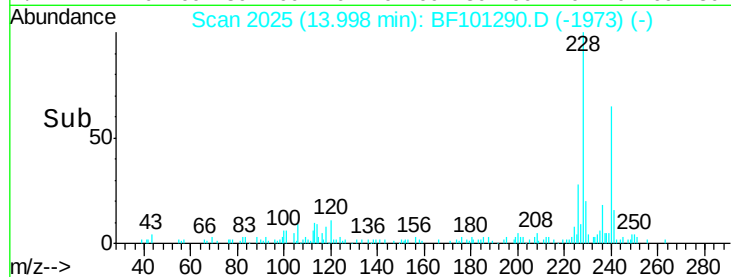
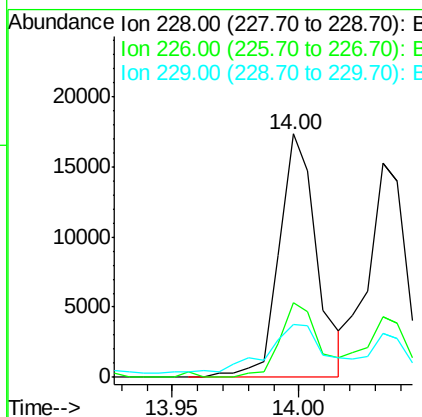
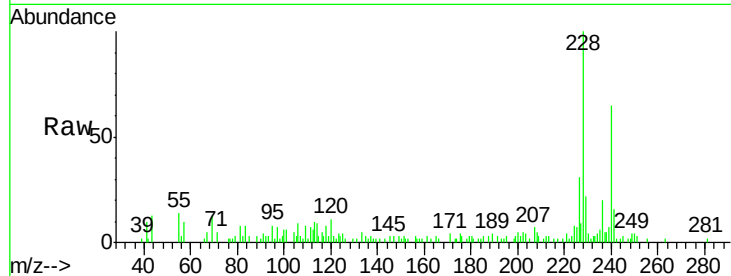
#80
Benzo(a)anthracene
Concen: 2.850 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	21.9	15.8	23.6

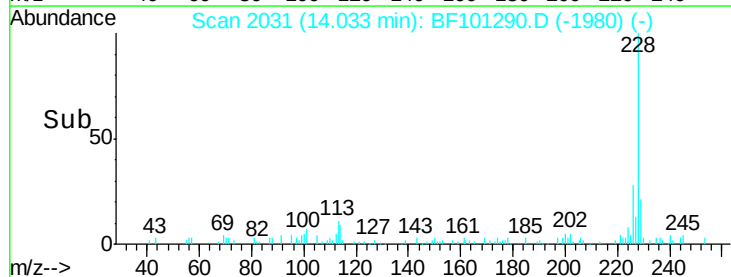
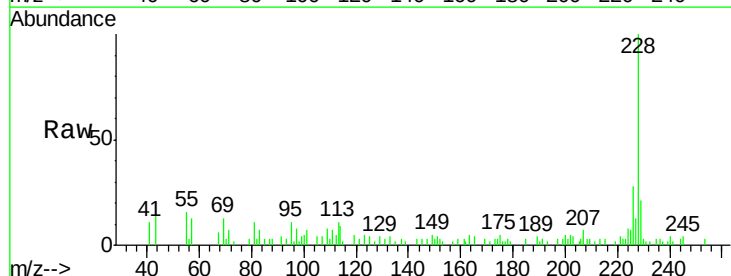
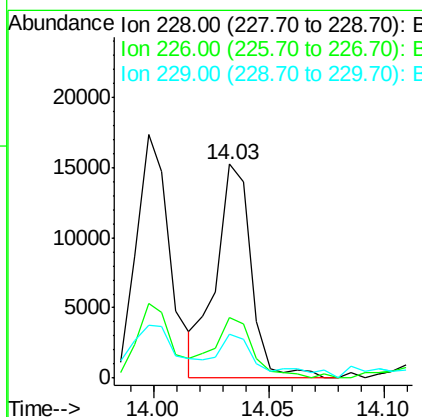
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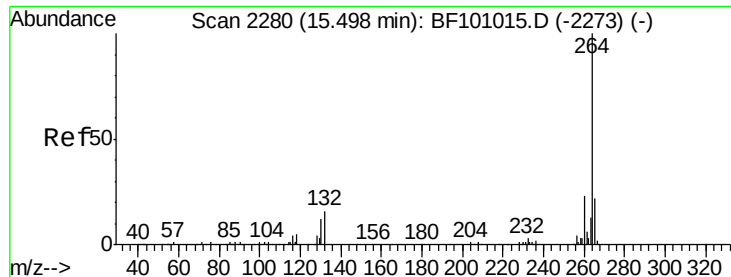
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#82
Chrysene
Concen: 2.747 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.6
229	20.5	16.2	24.4





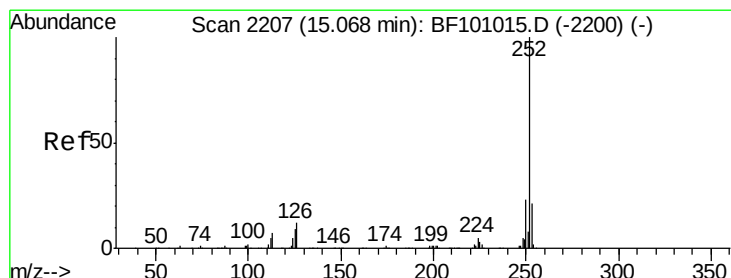
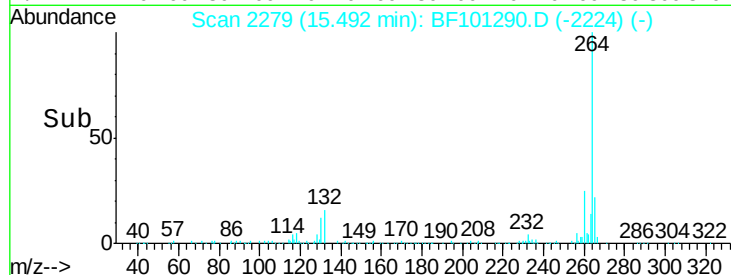
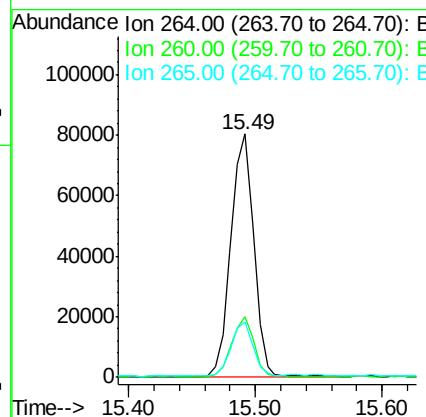
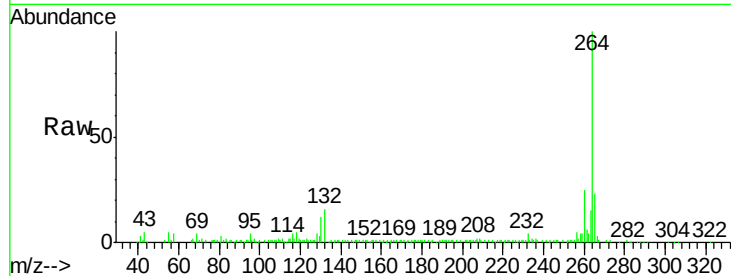
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.9	17.5	26.3

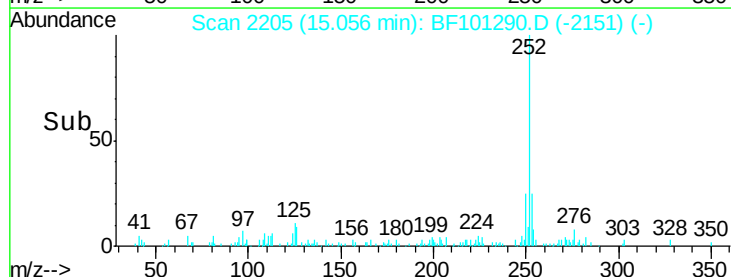
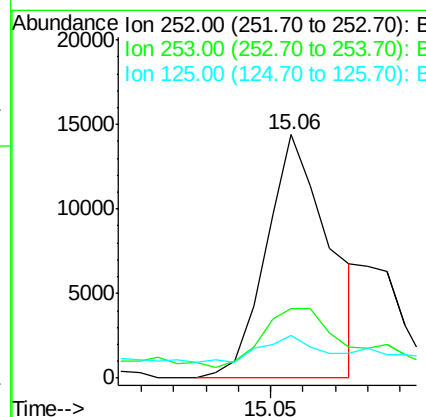
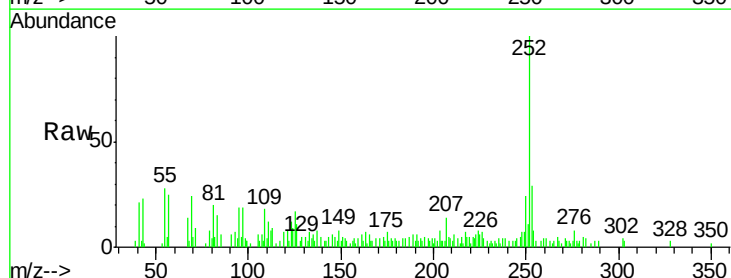
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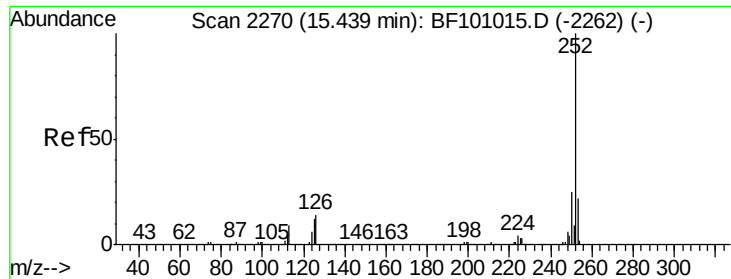
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#87
Benzo(b)fluoranthene
Concen: 3.228 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.0	25.6#
125	17.4	9.0	13.6#





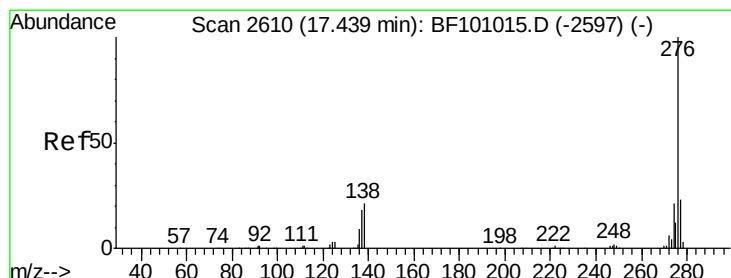
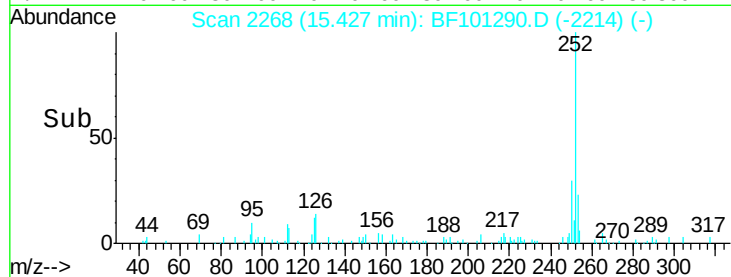
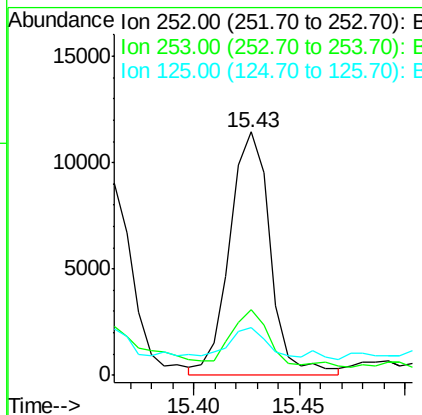
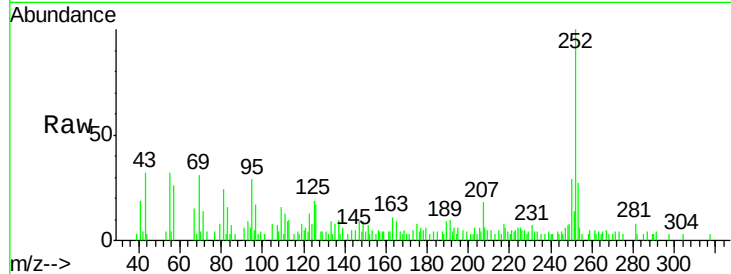
#89
Benzo(a)pyrene
Concen: 2.765 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.1	25.7#
125	19.5	9.8	14.6#

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#91
Benzo(g,h,i)perylene
Concen: 2.013 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.04 min
Lab File: BF101290.D
Acq: 11 Dec 2017 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	21.6	21.8	32.8#

