

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103361.D
 Acq On : 2 Mar 2018 12:51
 Operator : SJ/JU
 Sample : J1402-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Manual Integrations
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 3/5/2018 3:12:59 PM

Quant Time: Mar 05 01:18:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146811	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	621384	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	266684	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	414365	20.00	ng	0.00
75) Chrysene-d12	14.06	240	242318	20.00	ng	0.00
86) Perylene-d12	15.57	264	260826	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	812418	83.69	ng	0.00
7) Phenol-d6	6.51	99	961171	80.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	629657	57.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	154137	68.28	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	919357	54.31	ng	0.00
78) Terphenyl-d14	12.99	244	600725	59.59	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.63	163	59808	2.796	ng	99
70) Phenanthrene	11.43	178	96826	4.246	ng	97
74) Fluoranthene	12.63	202	215981	9.425	ng	98
77) Pyrene	12.86	202	188680	9.987	ng	99
80) Benzo(a)anthracene	14.05	228	87651	5.575	ng	99
82) Chrysene	14.09	228	95362m	6.247	ng	
85) Indeno(1,2,3-cd)pyrene	17.10	276	63644	5.266	ng	99
87) Benzo(b)fluoranthene	15.13	252	141499m	8.251	ng	
88) Benzo(k)fluoranthene	15.15	252	41013m	2.540	ng	
89) Benzo(a)pyrene	15.50	252	96824	6.323	ng	# 96
91) Benzo(g,h,i)perylene	17.57	276	67061	5.798	ng	93

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

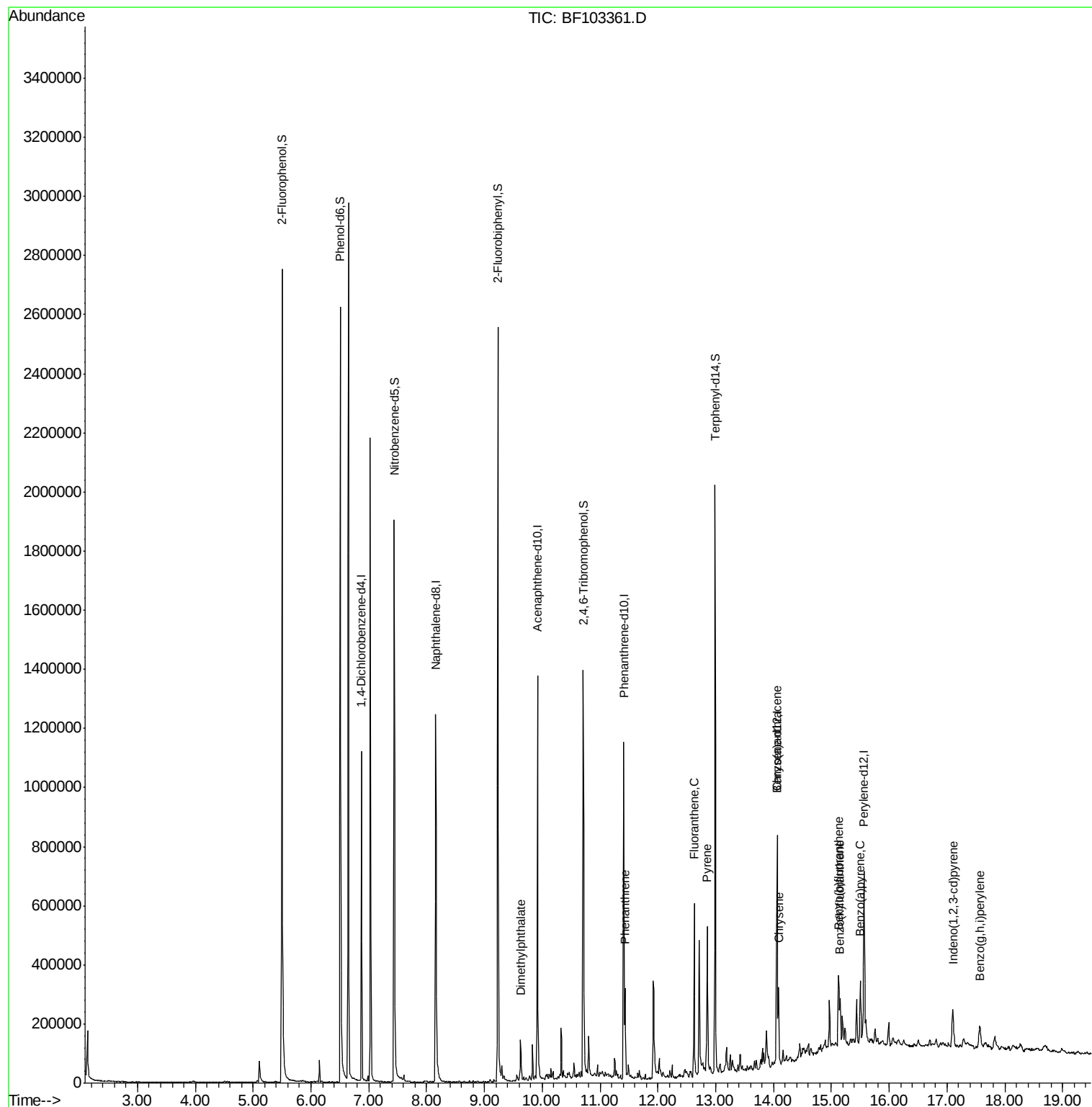
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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#1

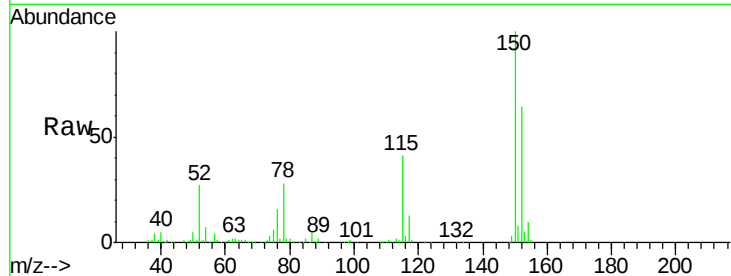
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

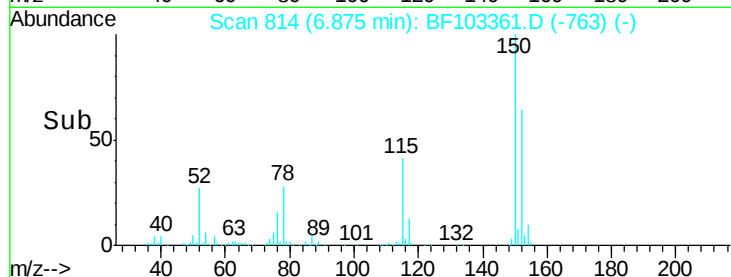
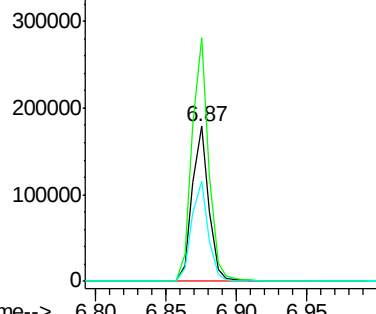
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	65.0	50.1	75.1

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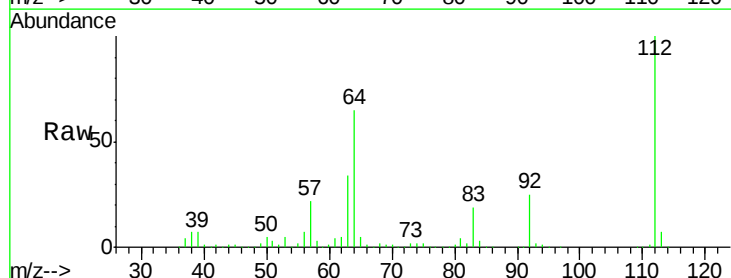
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



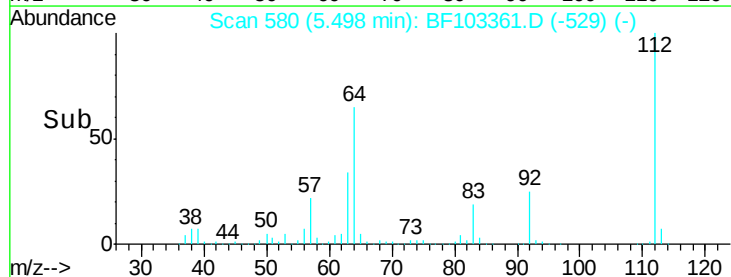
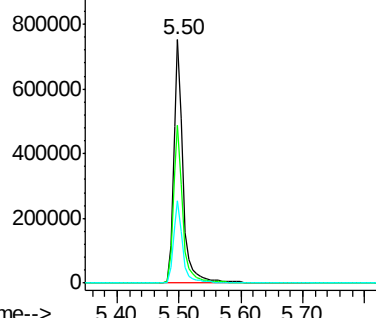
#5

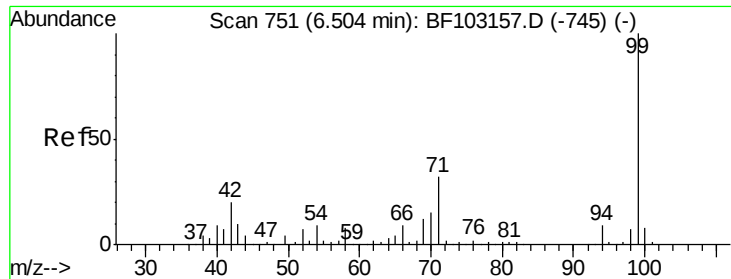
2-Fluorophenol
Concen: 83.694 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	34.0	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: 80.921 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

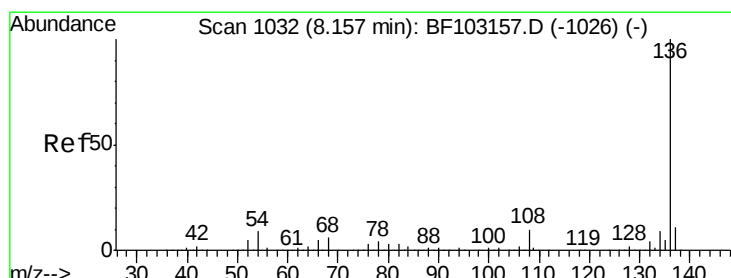
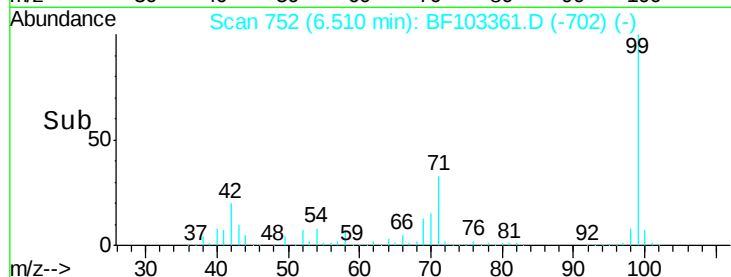
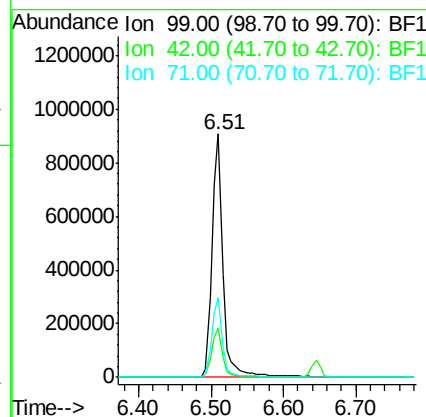
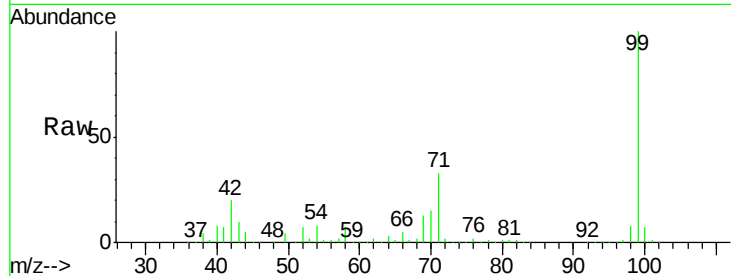
ClientSampleId :

PL-01-022818-A

Tot Ion:	99	Resp:	961171
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

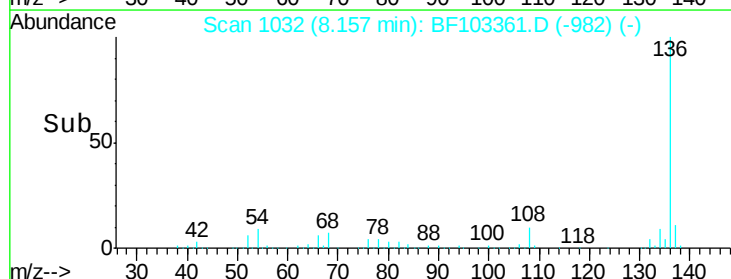
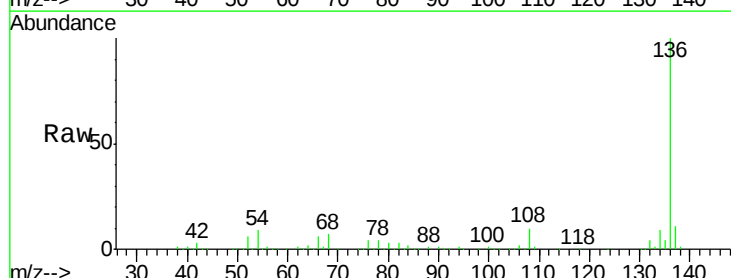
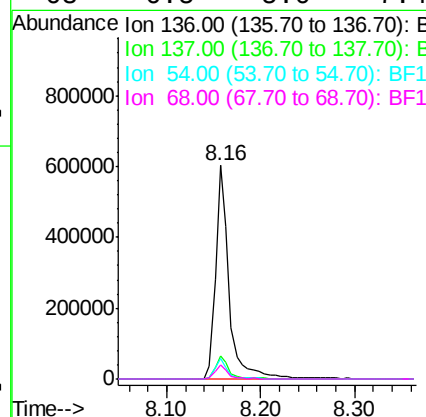
RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Tgt Ion:	136	Resp:	621384
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.4	6.6	9.8
68	6.5	5.0	7.4





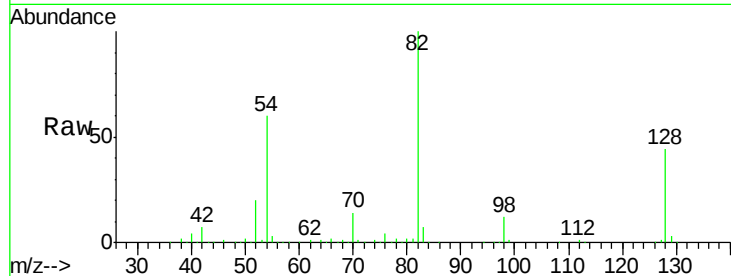
#23
Nitrobenzene-d5
Concen: 57.869 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
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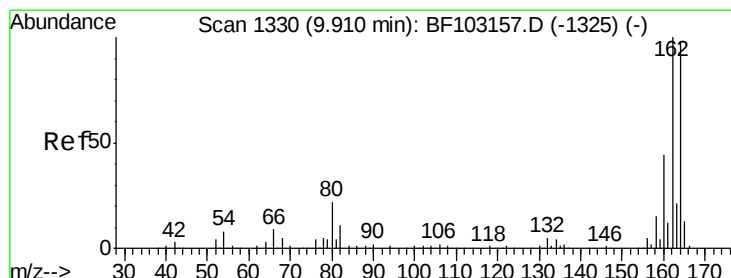
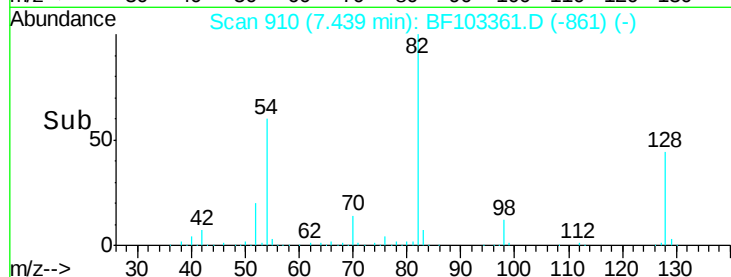
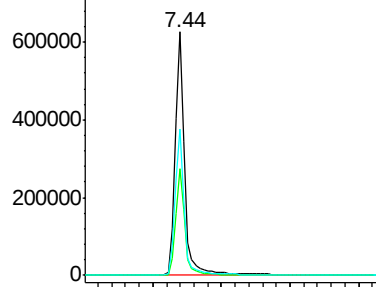
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	60.2	41.4	62.2

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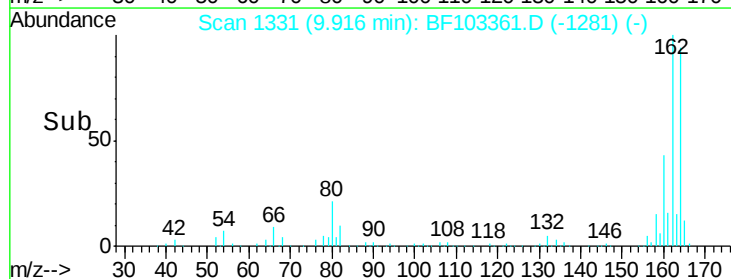
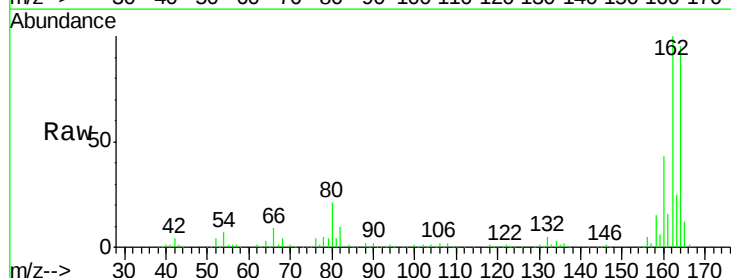
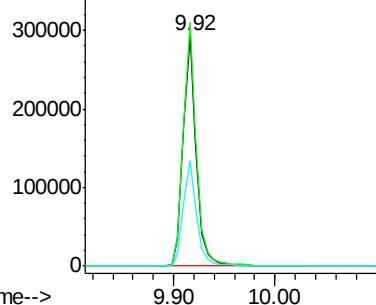
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	45.8	38.3	57.5

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





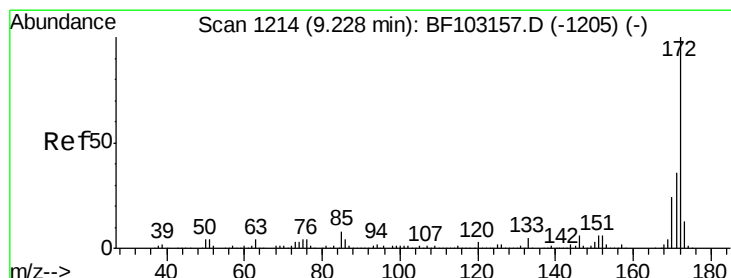
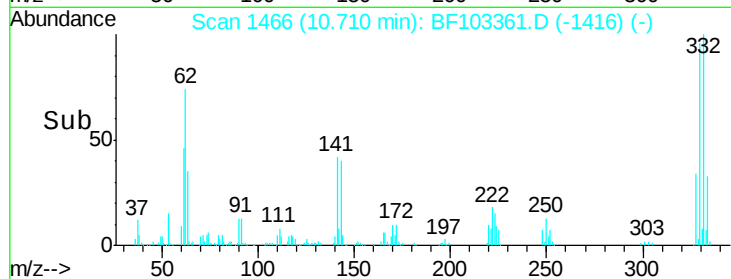
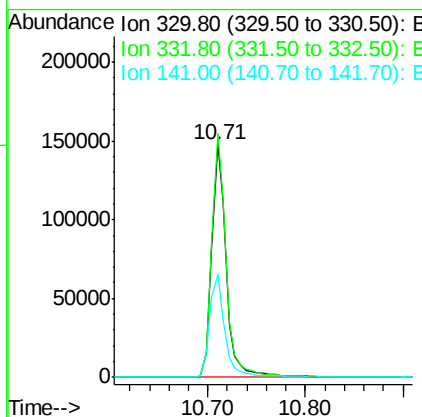
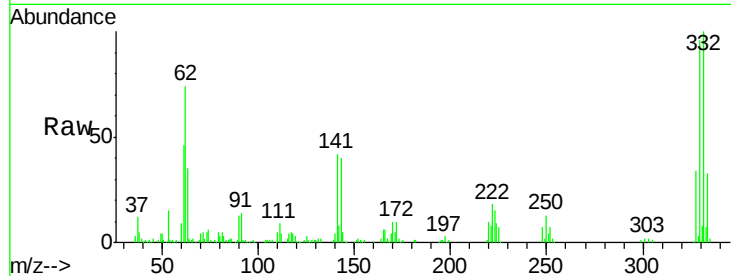
#41
 2,4,6-Tribromophenol
 Concen: 68.283 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	103.9	77.0	115.6
141	46.3	29.9	44.9

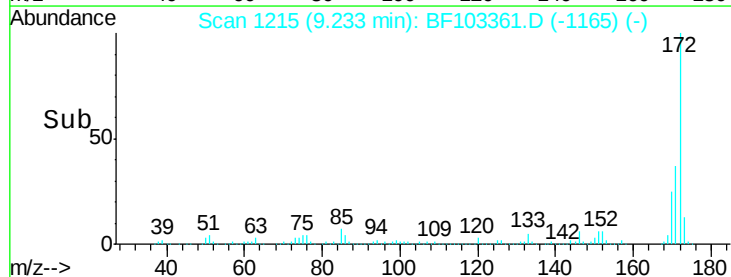
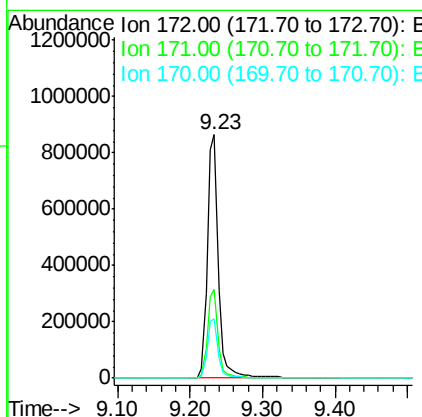
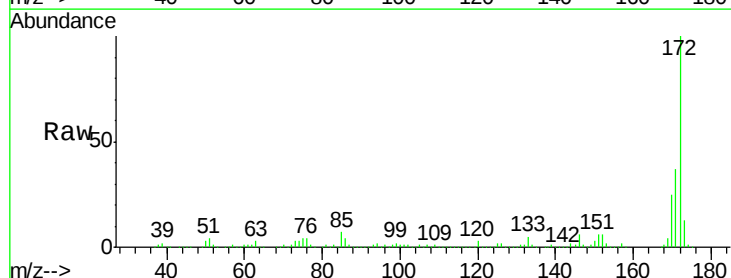
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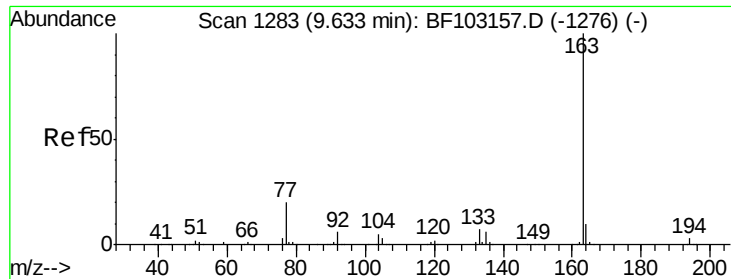
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#44
 2-Fluorobiphenyl
 Concen: 54.314 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.5	19.6	29.4





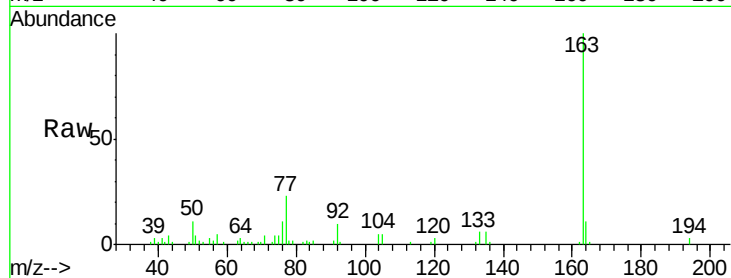
#49
Dimethylphthalate
Concen: 2.796 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

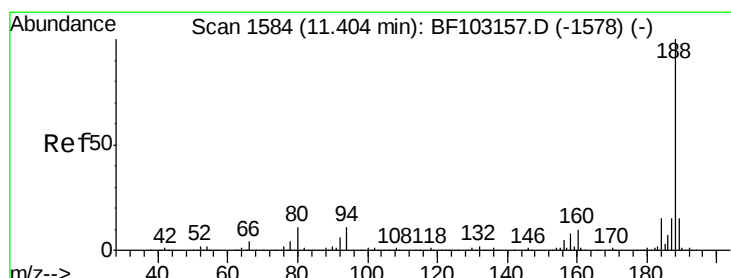
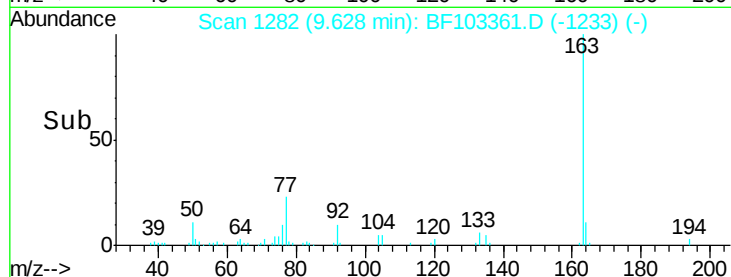
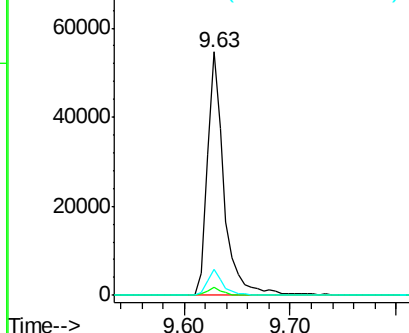
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.9	8.2	12.2

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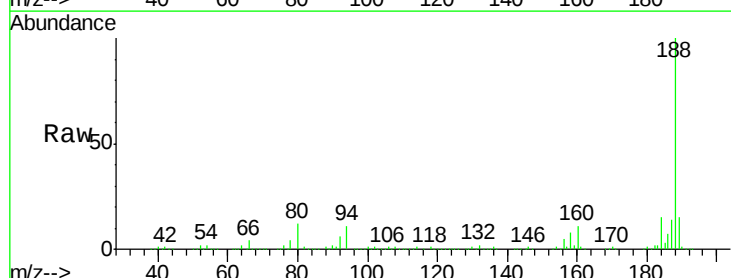


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

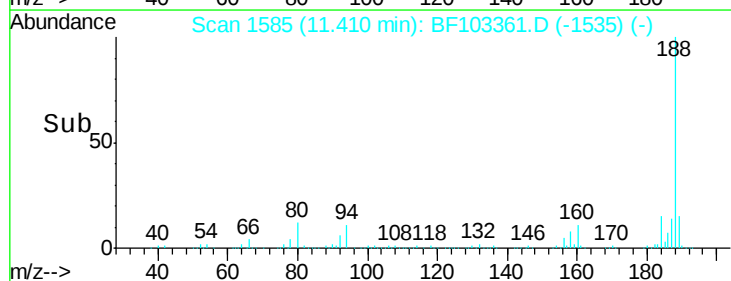
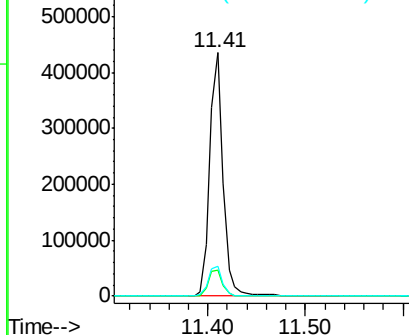


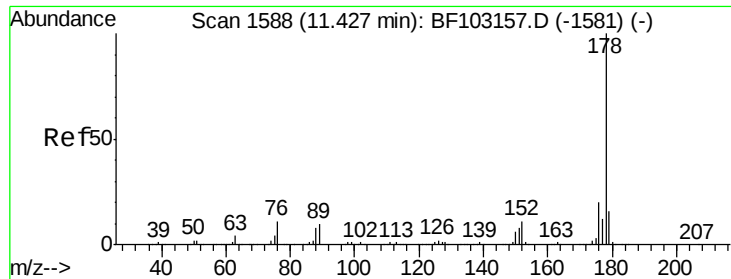
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





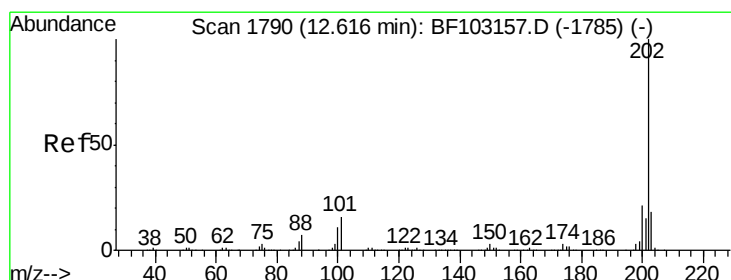
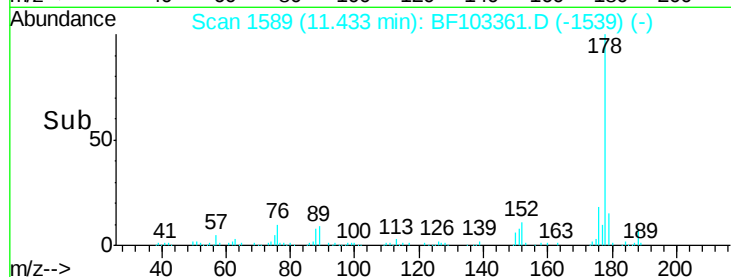
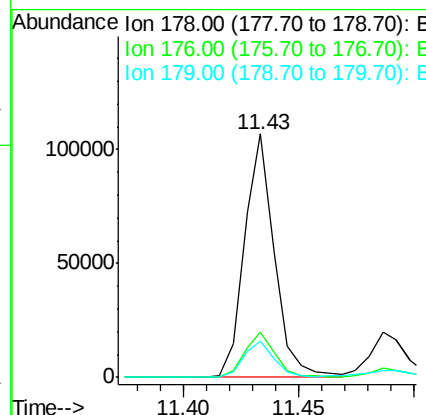
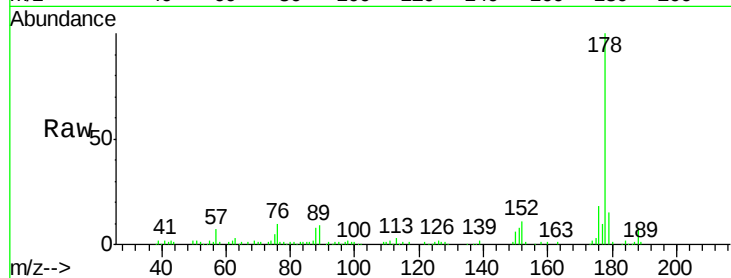
#70
Phenanthrene
Concen: 4.246 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.0	13.0	19.6

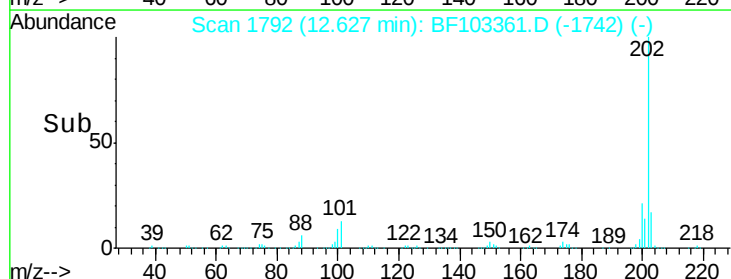
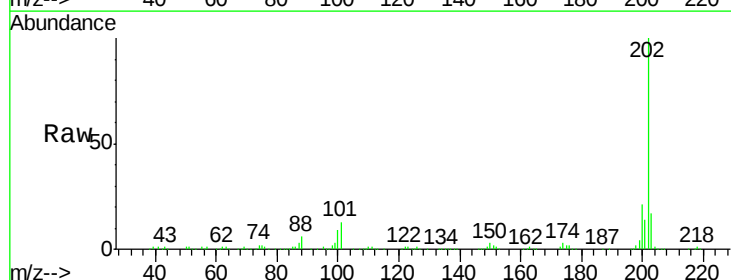
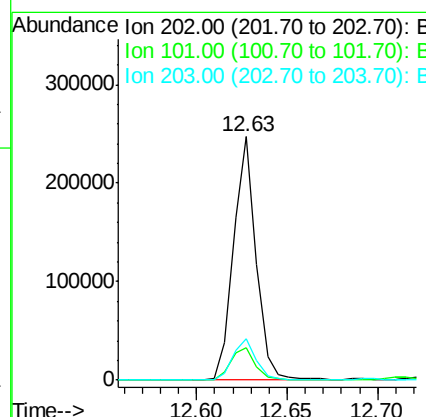
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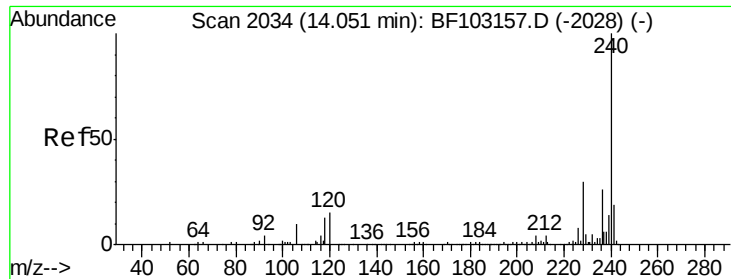
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#74
Fluoranthene
Concen: 9.425 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

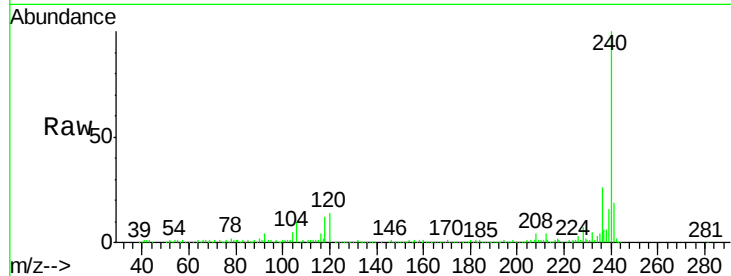
ClientSampleId :

PL-01-022818-A

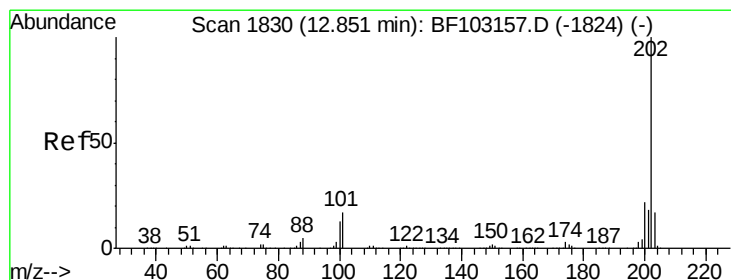
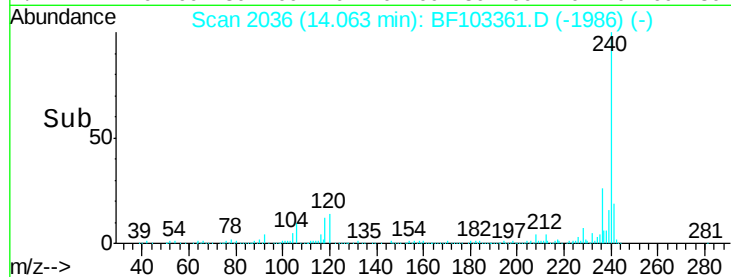
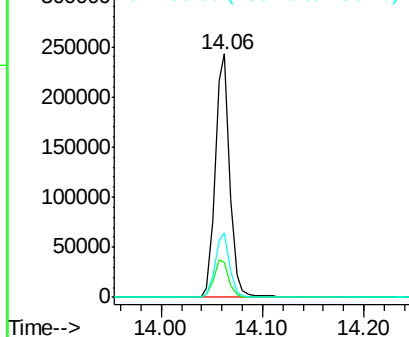
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	26.5	20.7	31.1

Manual Integrations
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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: 9.987 ng

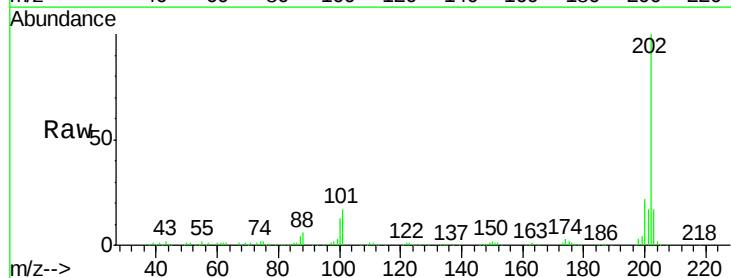
RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

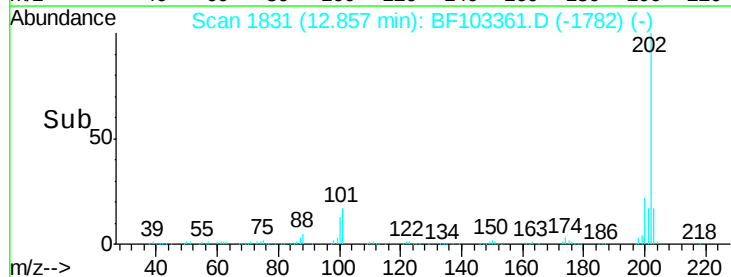
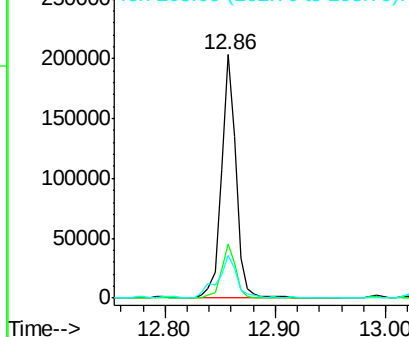
Lab File: BF103361.D

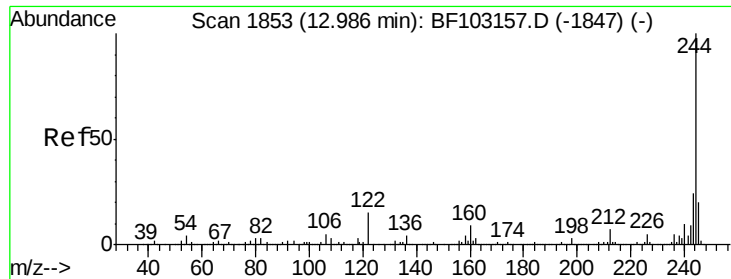
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.5	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





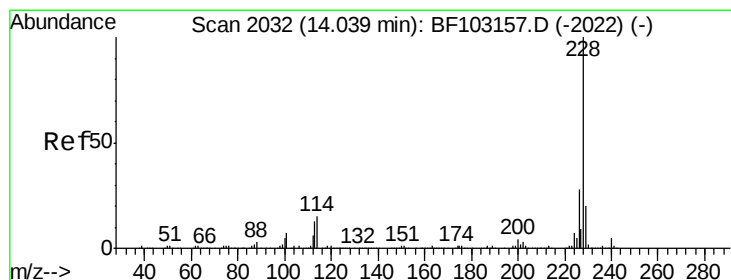
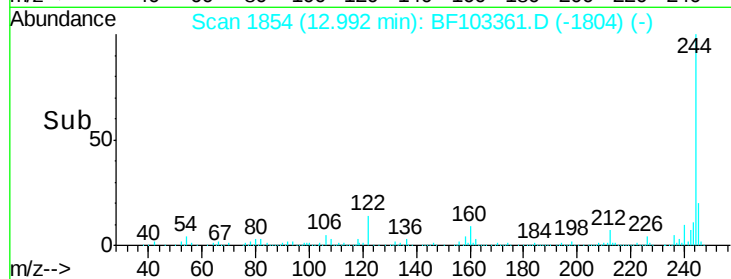
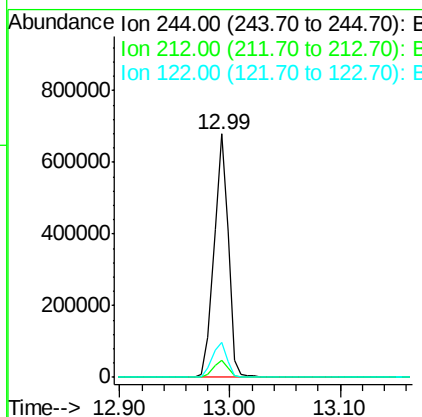
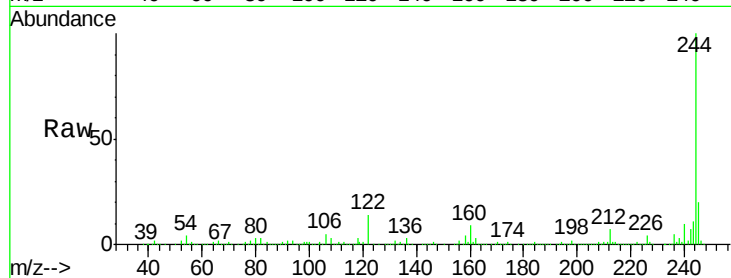
#78
 Terphenyl-d14
 Concen: 59.594 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.3	11.0	16.4

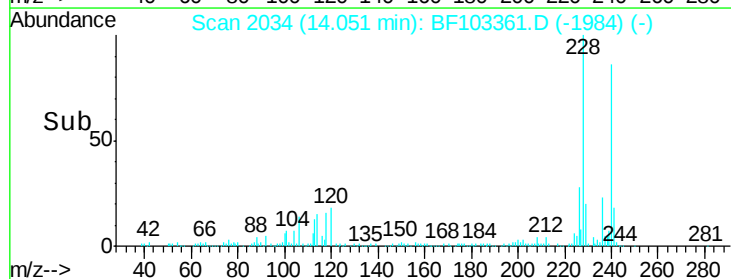
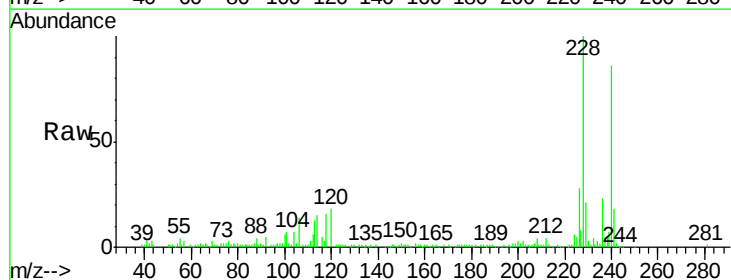
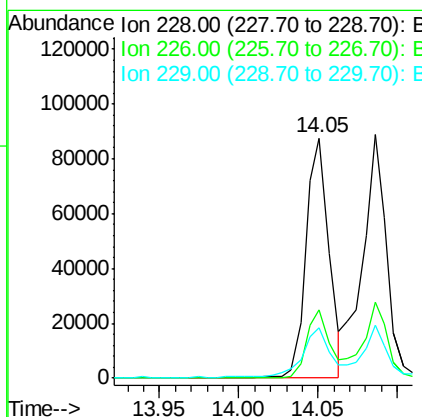
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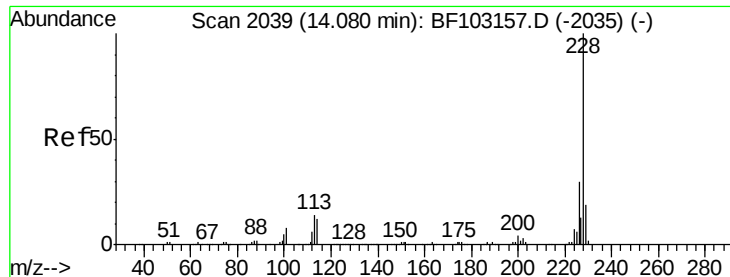
Sohil
 3/5/2018 3:12:59 PM



#80
 Benzo(a)anthracene
 Concen: 5.575 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.8	15.8	23.6





#82

Chrysene

Concen: 6.247 ng/mL

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Instrument :

BNA_F

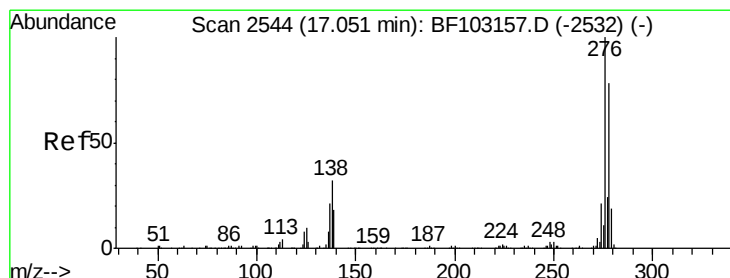
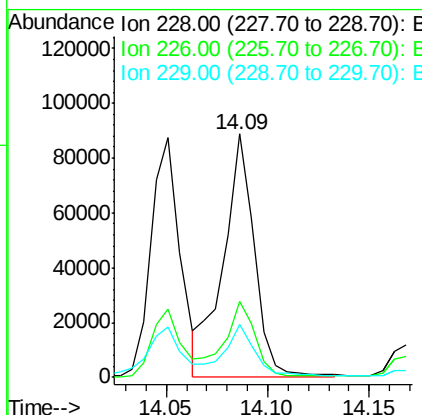
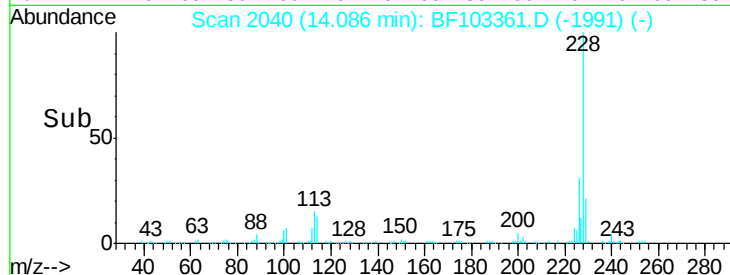
ClientSampleId :

PL-01-022818-A

Tot Ion:	228	Resp:	95362
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.266 ng/mL

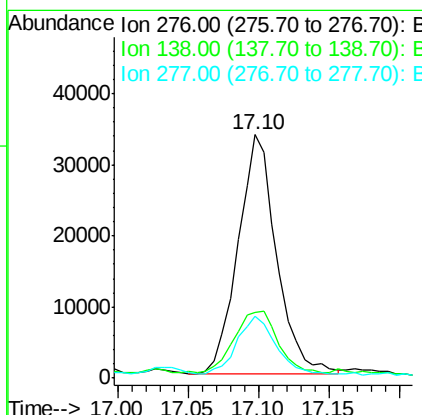
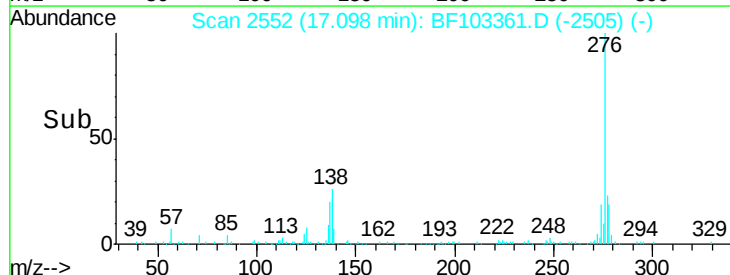
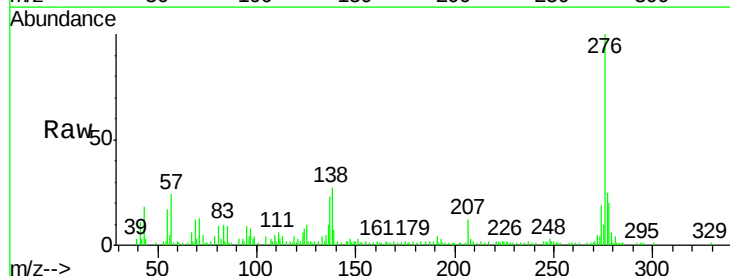
RT: 17.10 min Scan# 2552

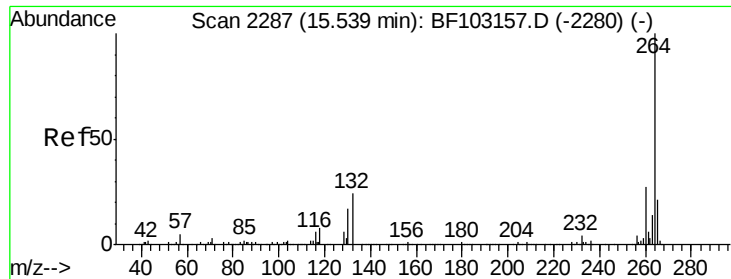
Delta R.T. -0.02 min

Lab File: BF103361.D

Acq: 2 Mar 2018 12:51

Tgt Ion:	276	Resp:	63644
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	25.1	20.1	30.1





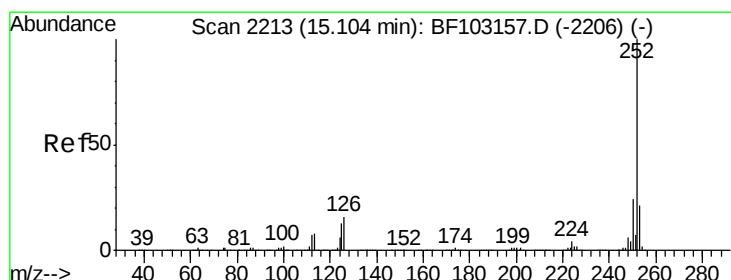
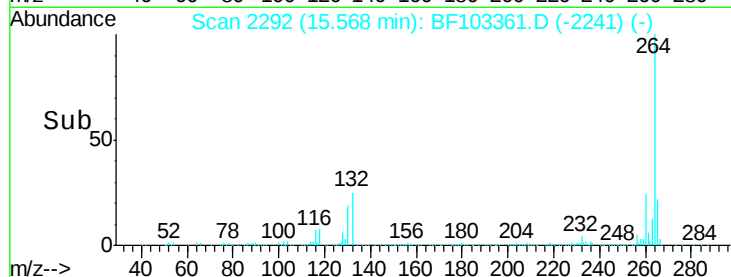
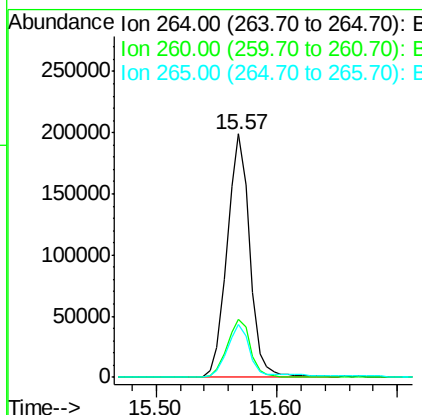
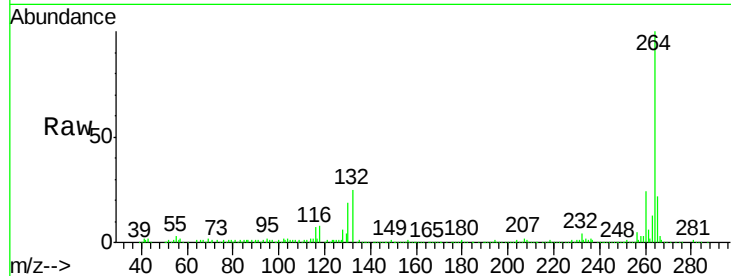
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.5	26.3

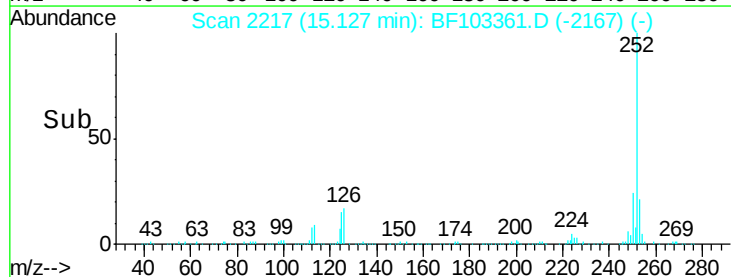
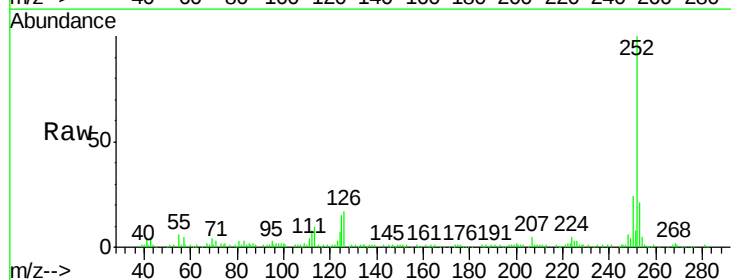
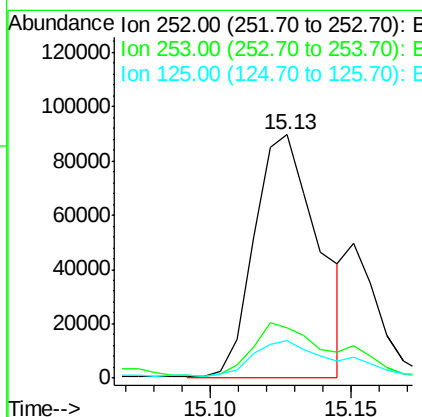
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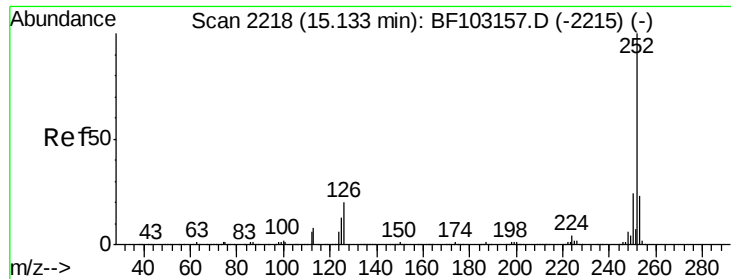
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#87
Benzo(b)fluoranthene
Concen: 8.251 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.6
125	15.5	9.0	13.6#





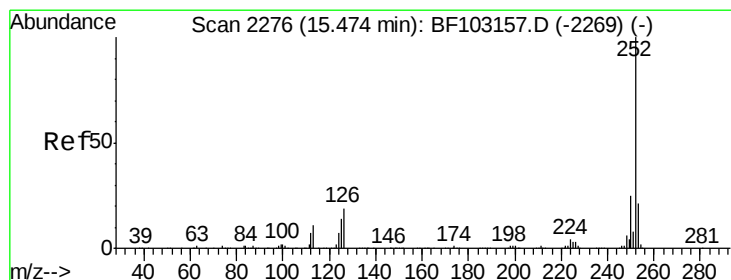
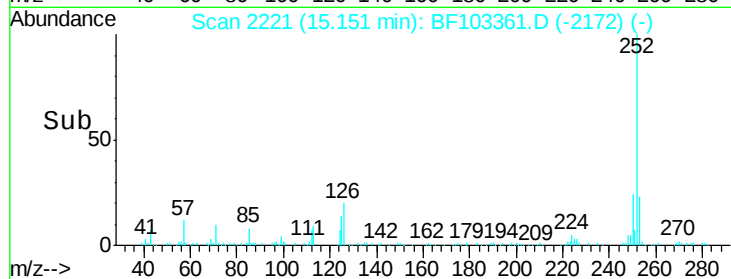
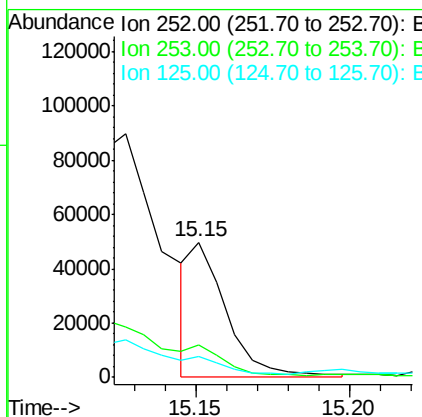
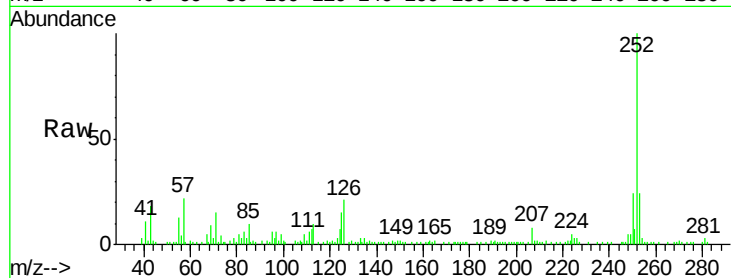
#88
Benzo(k)fluoranthene
Concen: 2.540 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	15.0	10.2	15.2

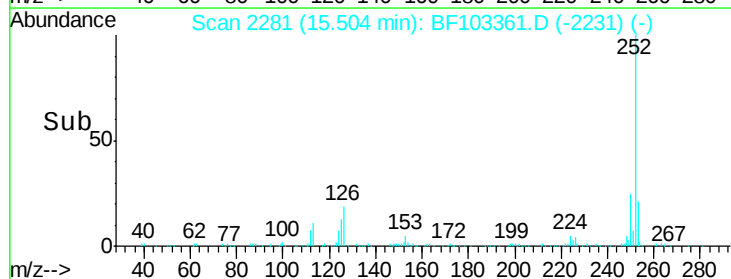
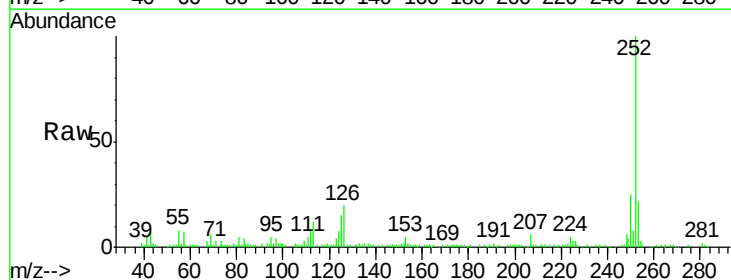
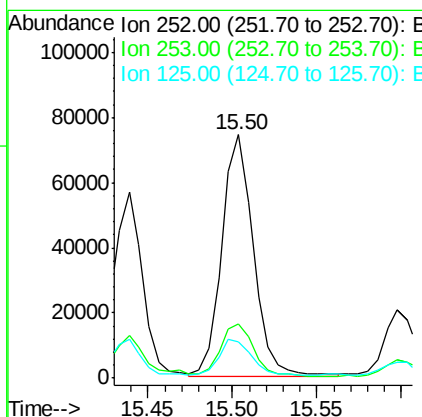
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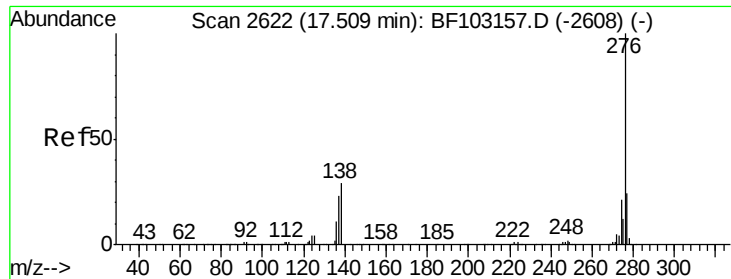
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#89
Benzo(a)pyrene
Concen: 6.323 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103361.D
Acq: 2 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.9	9.8	14.6





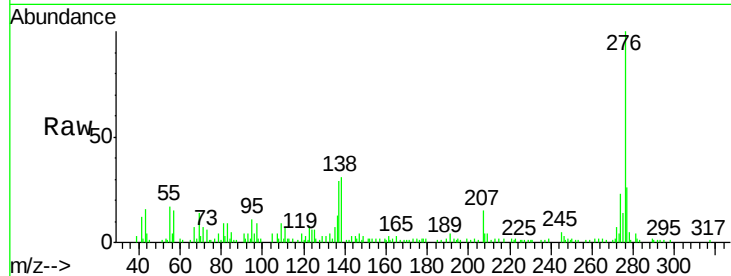
#91
 Benzo(a,h,i)perylene
 Concen: 5.798 ng
 RT: 17.57 min Scan# 2632
 Delta R.T. -0.01 min
 Lab File: BF103361.D
 Acq: 2 Mar 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	31.0	21.8	32.8

Manual Integrations
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 3/5/2018 3:12:59 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

