

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104863.D
 Acq On : 27 Apr 2018 5:38
 Operator : JU/SJ
 Sample : J2520-10
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PILES_042318

Manual Integrations
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 4/27/2018 6:59:31 PM

Quant Time: Apr 27 13:13:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	121008	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	470604	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	180874	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	277766	20.00	ng	0.00
75) Chrysene-d12	13.97	240	254828	20.00	ng	-0.01
86) Perylene-d12	15.44	264	186556	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	625310	79.01	ng	0.00
7) Phenol-d6	6.44	99	792819	81.54	ng	0.00
23) Nitrobenzene-d5	7.37	82	550376	76.37	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	136810	72.92	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	824849	72.04	ng	0.00
78) Terphenyl-d14	12.92	244	613233	54.86	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	96590	6.772	ng	99
70) Phenanthrene	11.35	178	86744	5.608	ng	98
74) Fluoranthene	12.55	202	142596	8.823	ng	98
77) Pyrene	12.77	202	142518	7.545	ng	99
80) Benzo(a)anthracene	13.97	228	74673	4.905	ng	95
82) Chrysene	14.00	228	78028	4.990	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	29524	2.223	ng	96
87) Benzo(b)fluoranthene	15.02	252	80720m	6.851	ng	
88) Benzo(k)fluoranthene	15.04	252	22995m	2.067	ng	
89) Benzo(a)pyrene	15.38	252	48996	4.647	ng	# 94
91) Benzo(g,h,i)perylene	17.34	276	30963	3.691	ng	96

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

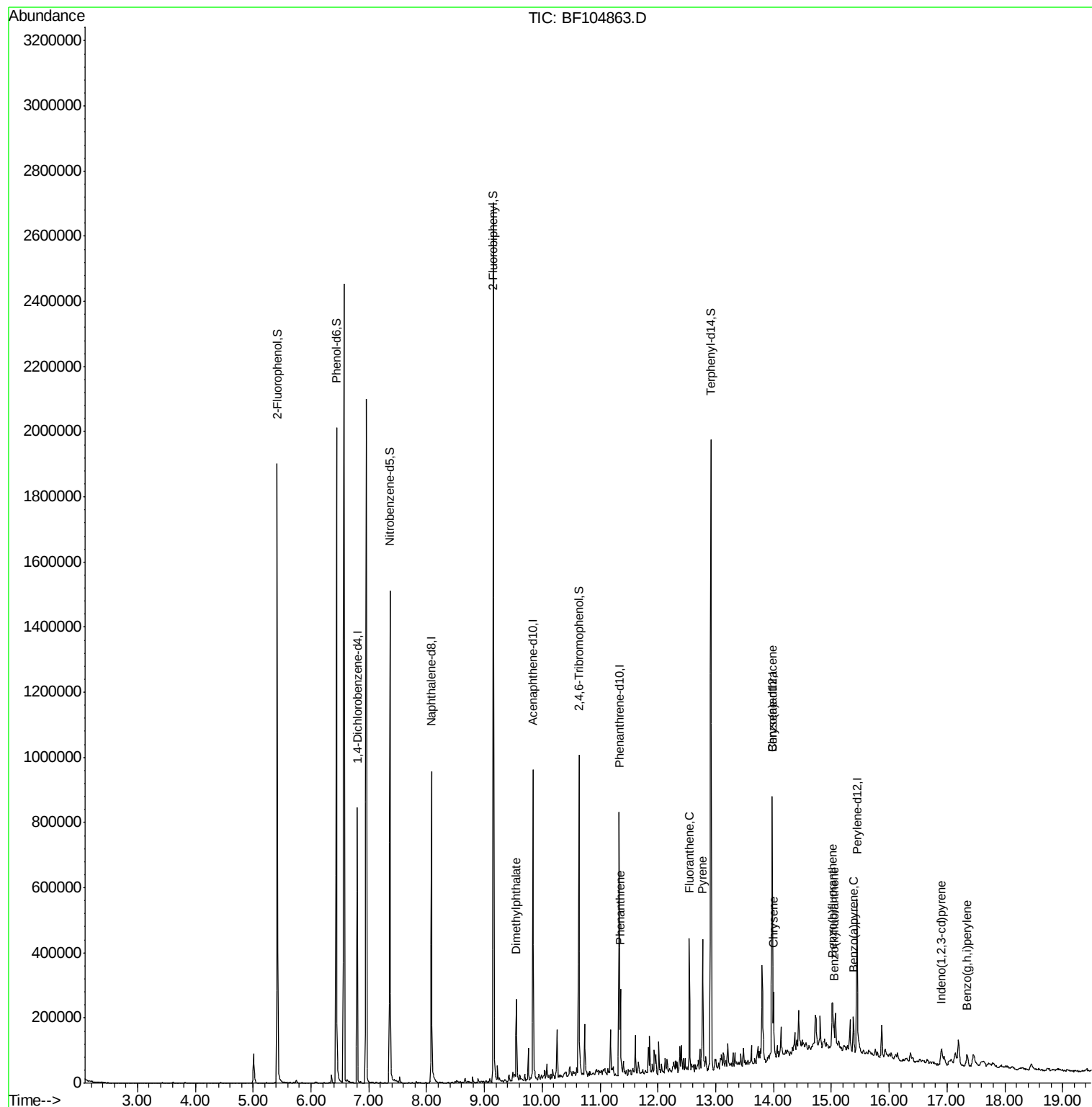
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104863.D
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#1

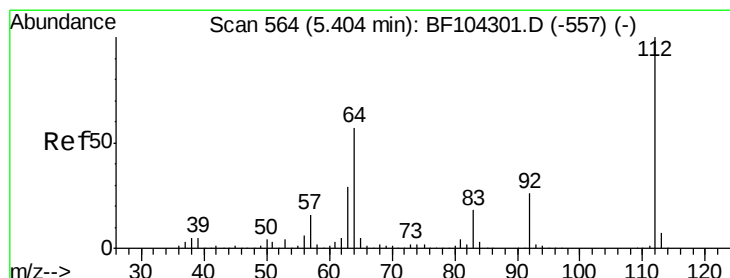
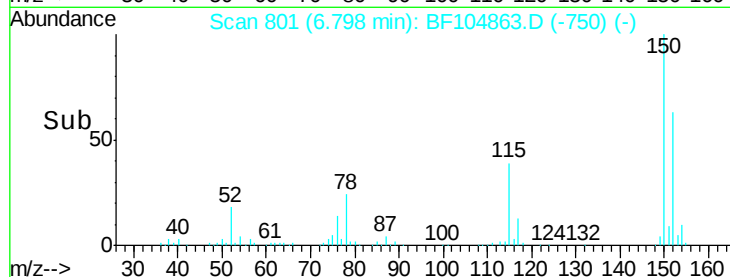
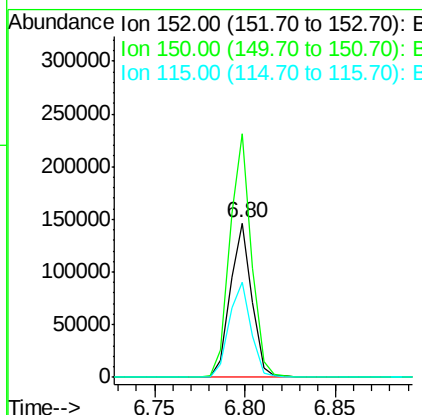
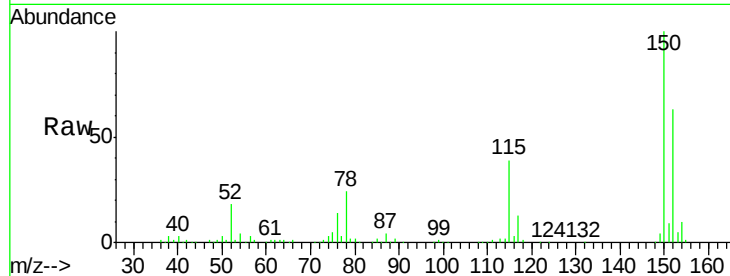
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Instrument :
BNA_F
ClientSampleId :
PILES_042318

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	62.0	50.1	75.1

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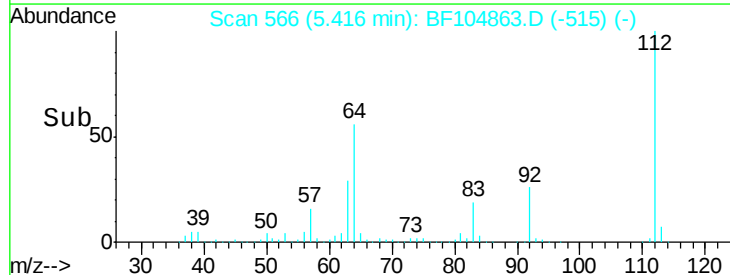
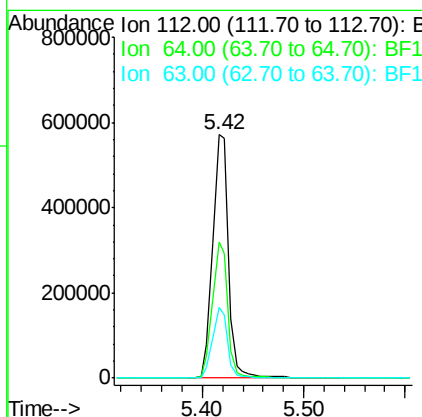
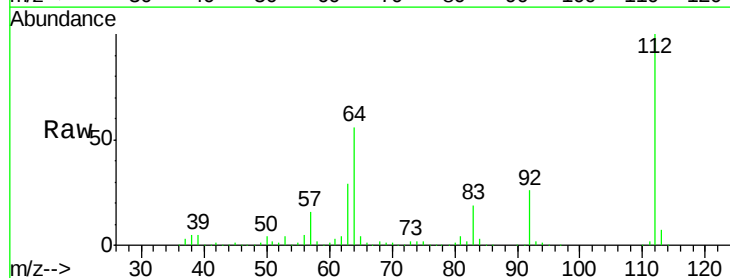
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#5

2-Fluorophenol
Concen: 79.014 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 81.535 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Instrument :

BNA_F

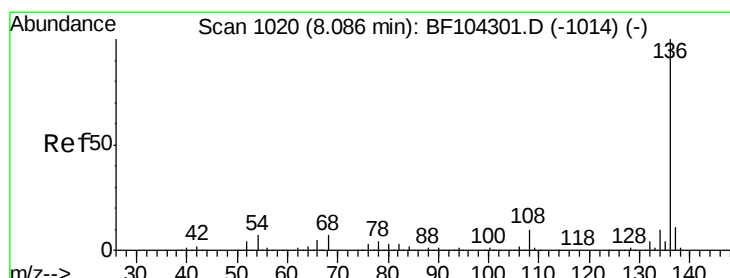
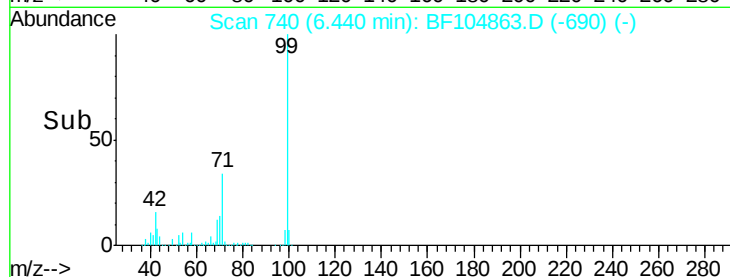
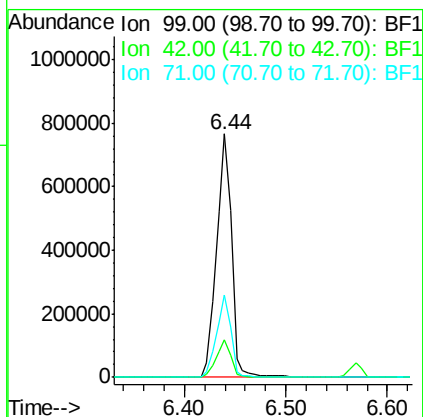
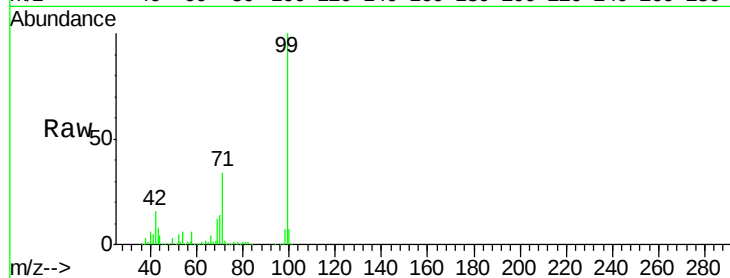
ClientSampled :

PILES_042318

Tot Ion:	99	Resp:	792819
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

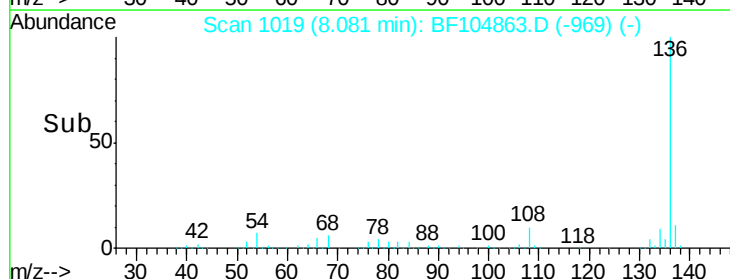
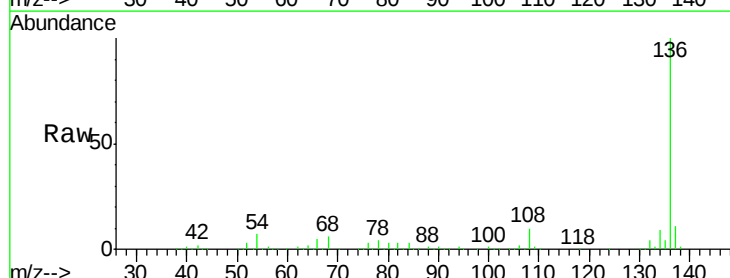
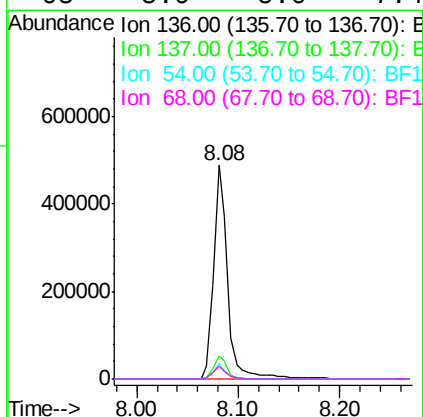
RT: 8.08 min Scan# 1019

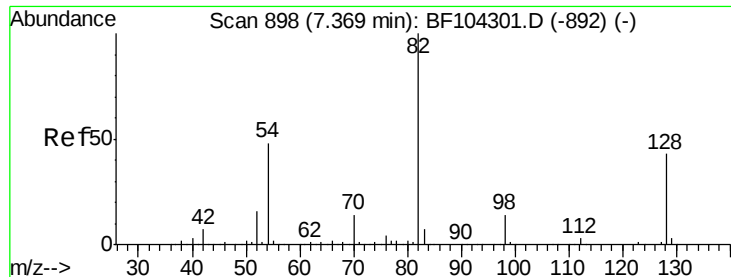
Delta R.T. -0.01 min

Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Tgt Ion:	136	Resp:	470604
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	5.9	5.0	7.4





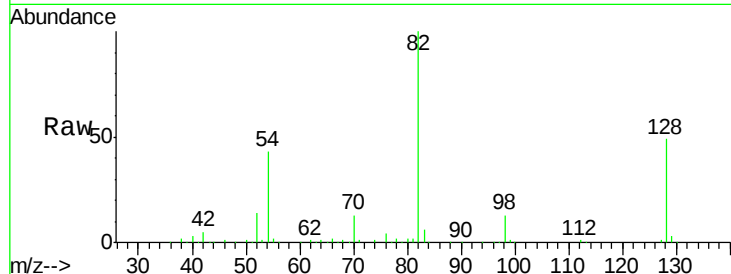
#23
 Nitrobenzene-d5
 Concen: 76.367 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 PILES_042318

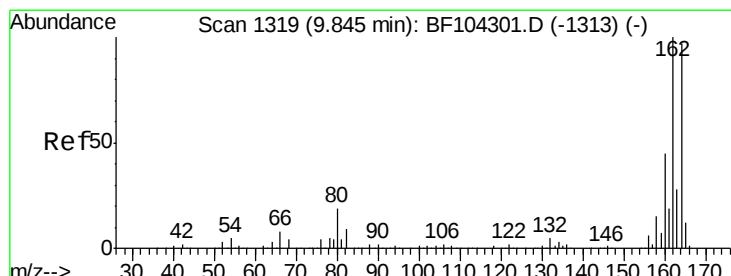
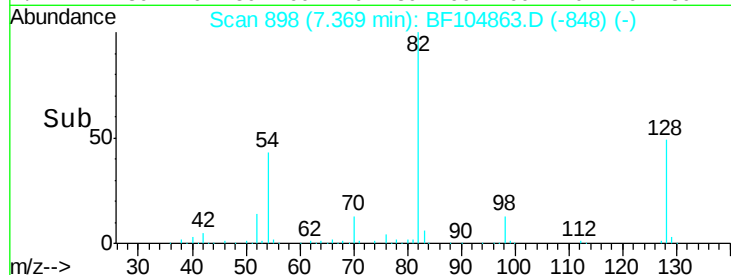
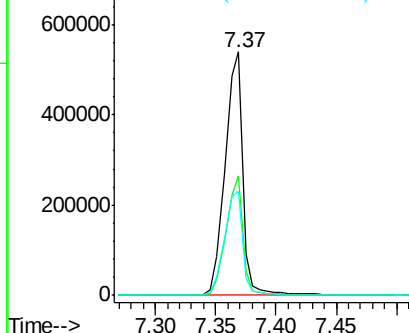
Tot Ion	Ratio	Resp	Lower	Upper
82	100	550376		
128	49.2	36.1	54.1	
54	42.6	41.4	62.2	

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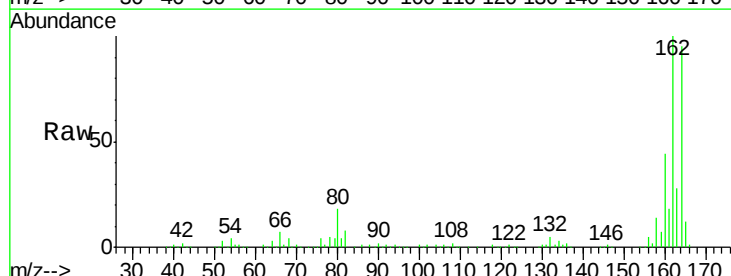


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

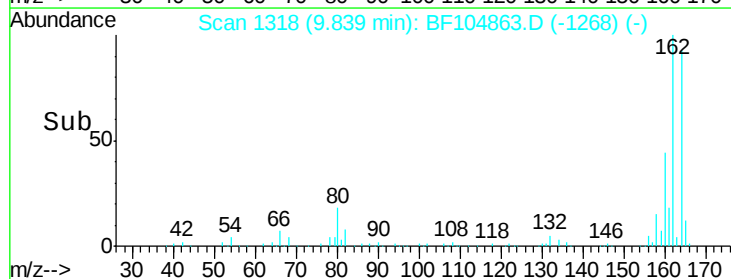
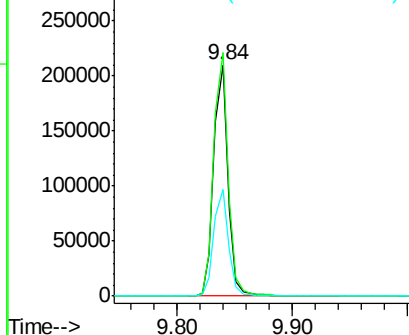


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180874		
162	105.3	86.1	129.1	
160	46.2	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: 72.917 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Instrument :

BNA_F

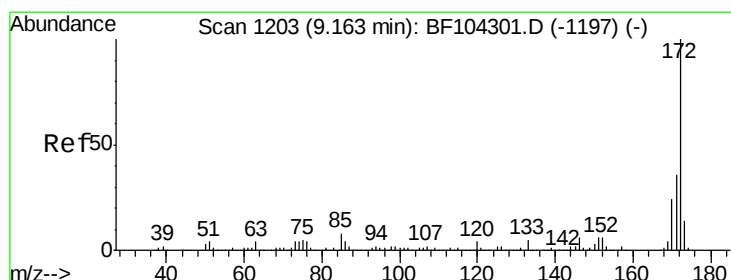
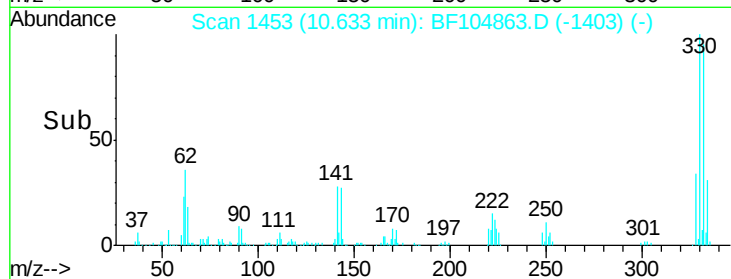
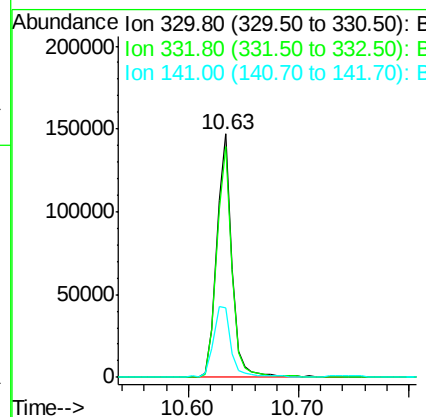
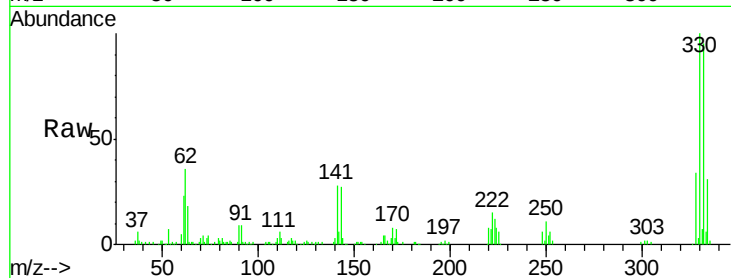
ClientSampleId :

PILES_042318

Tot Ion:	330	Resp:	136810
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	34.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 72.042 ng

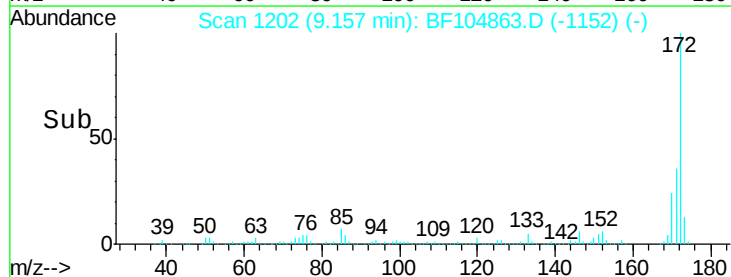
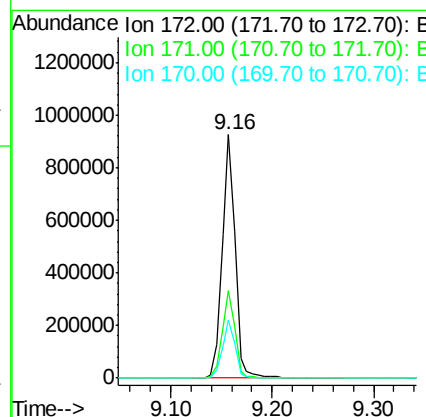
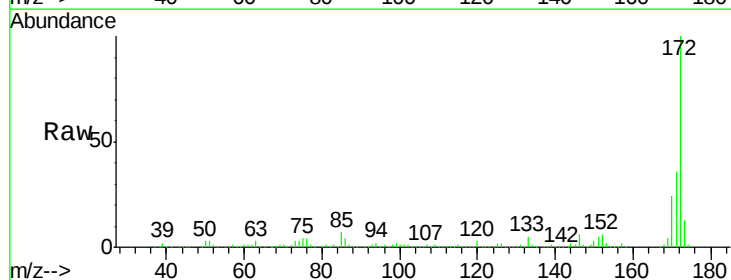
RT: 9.16 min Scan# 1202

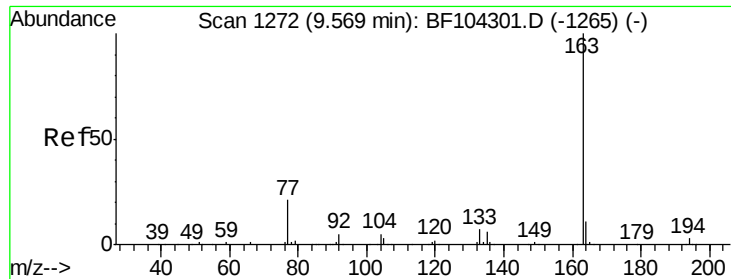
Delta R.T. -0.01 min

Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Tgt Ion:	172	Resp:	824849
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4





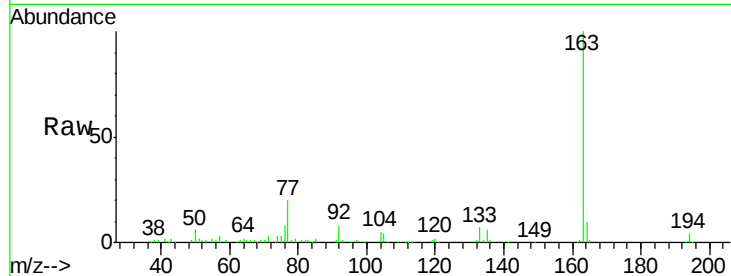
#49
Dimethylphthalate
Concen: 6.772 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Instrument :
BNA_F
ClientSampleId :
PILES_042318

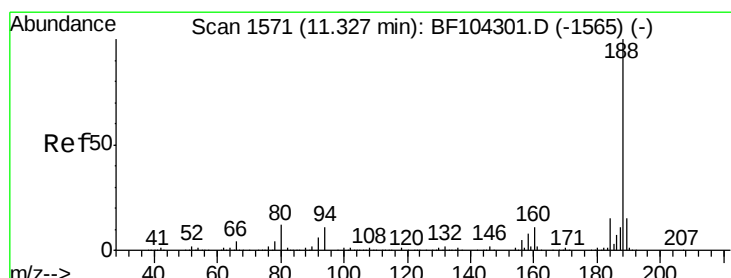
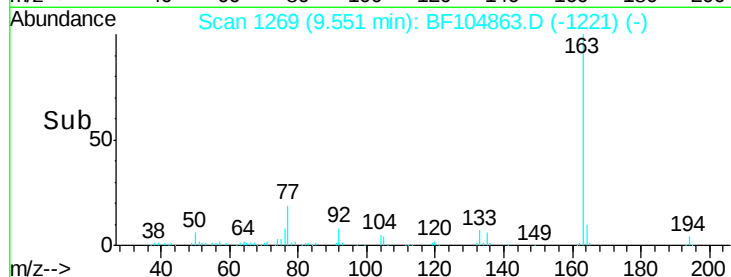
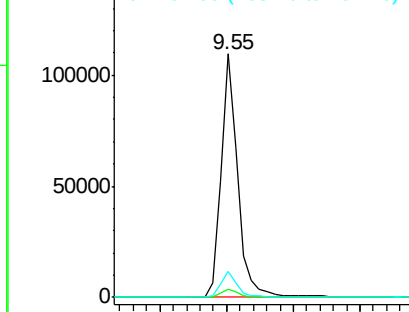
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.5	8.2	12.2	

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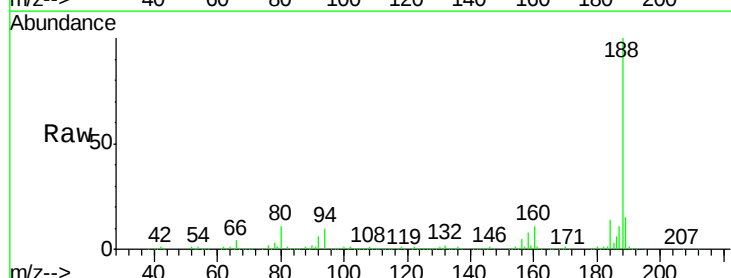


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

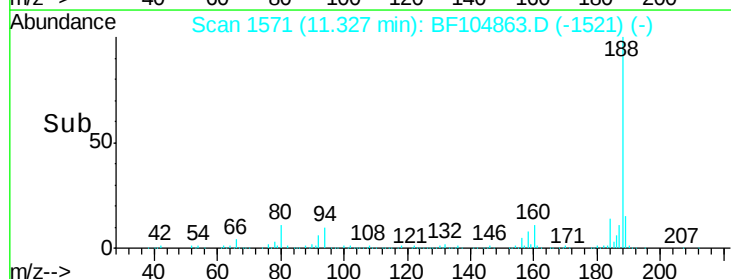
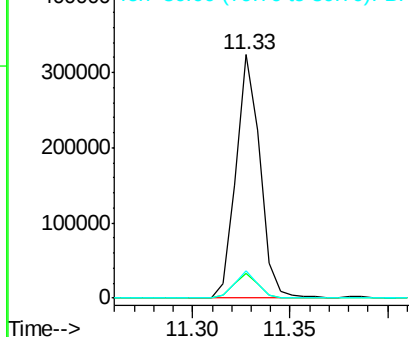


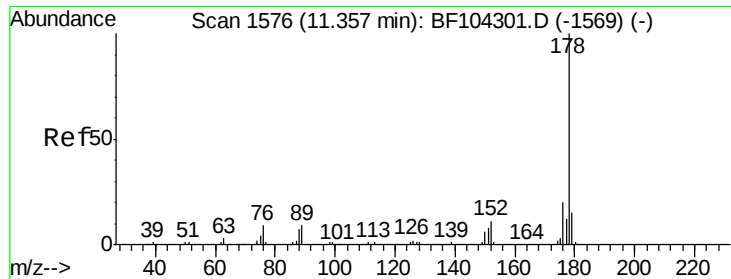
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.3	8.5	12.7	
80	11.3	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





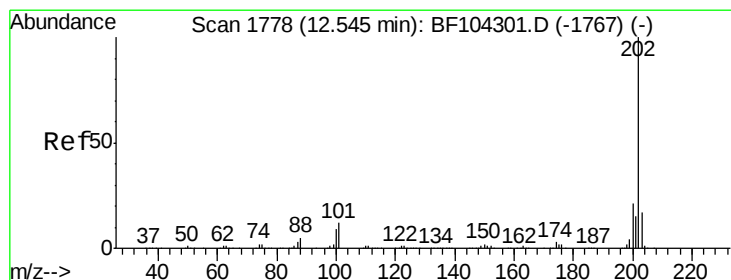
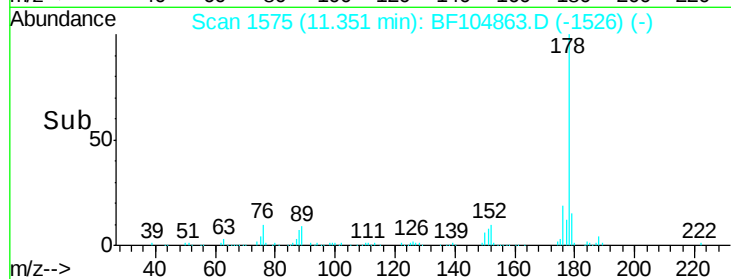
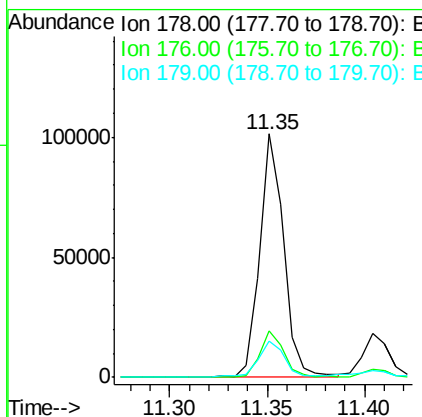
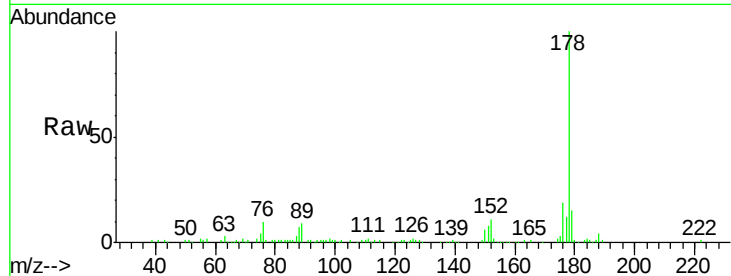
#70
 Phenanthrene
 Concen: 5.608 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.1	13.0	19.6

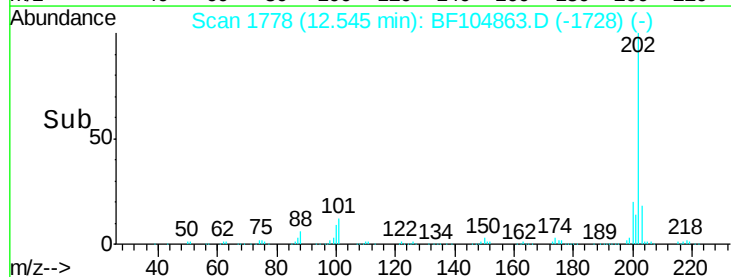
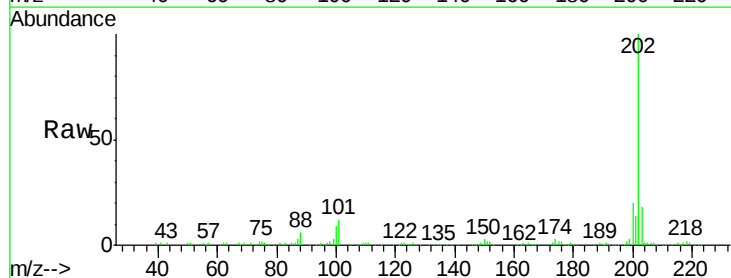
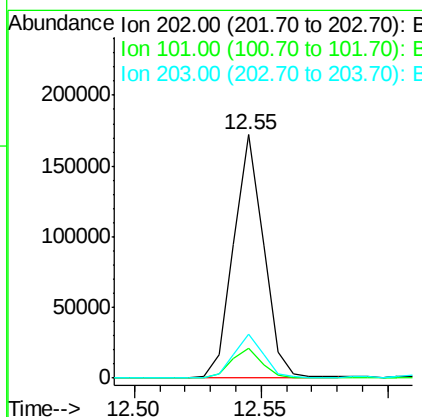
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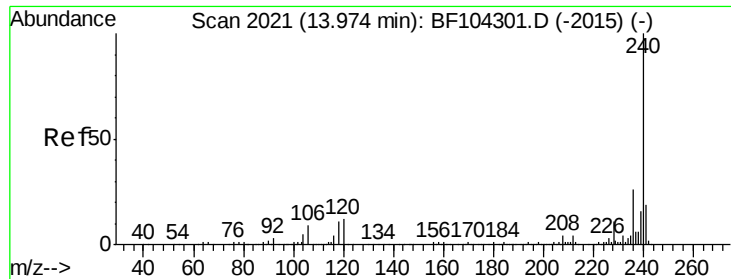
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#74
 Fluoranthene
 Concen: 8.823 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Instrument :

BNA_F

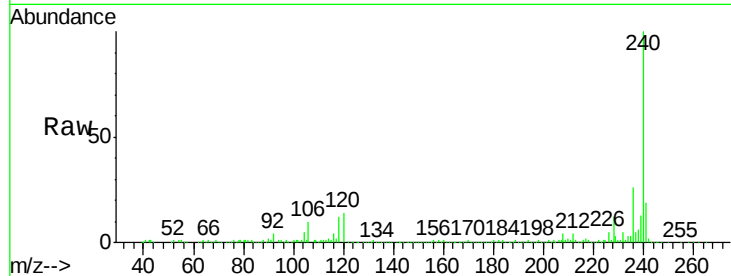
ClientSampleId :

PILES_042318

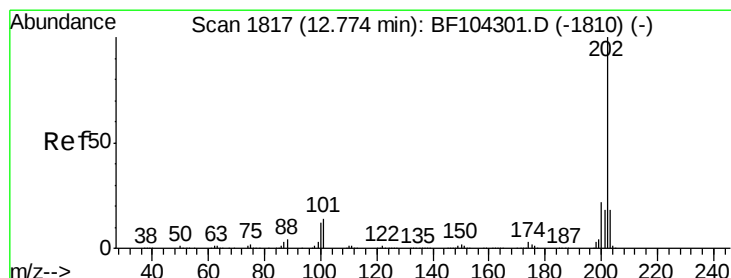
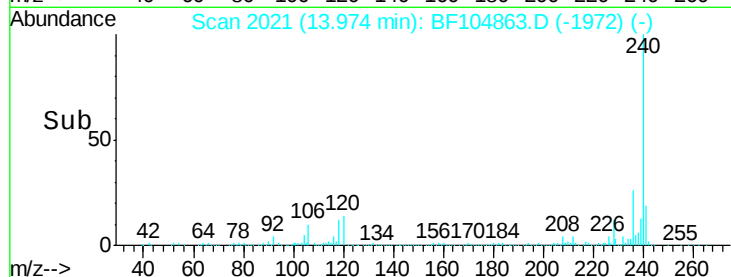
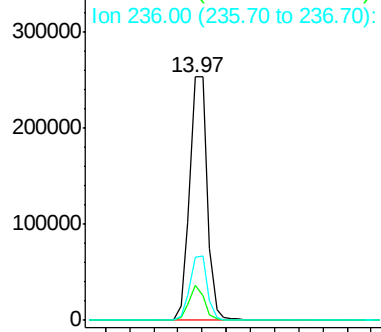
Tot Ion:	240	Resp:	254828
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.5	14.3
236	25.8	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E



#77

Pyrene

Concen: 7.545 ng

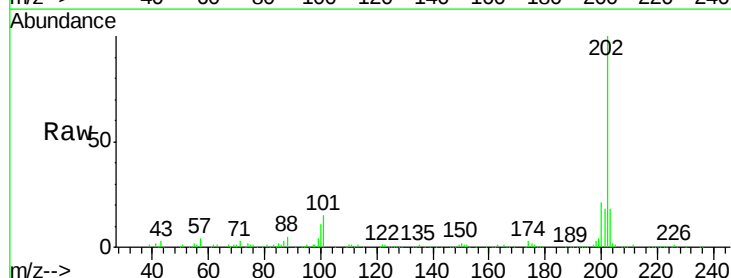
RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

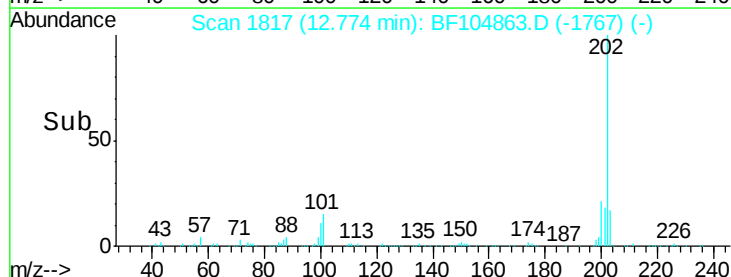
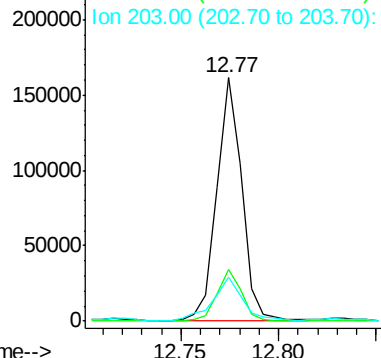
Lab File: BF104863.D

Acq: 27 Apr 2018 5:38

Tgt Ion:	202	Resp:	142518
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E





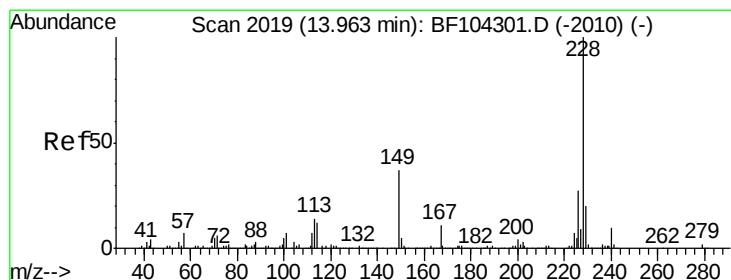
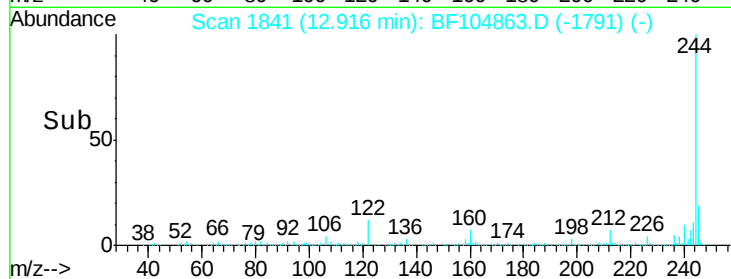
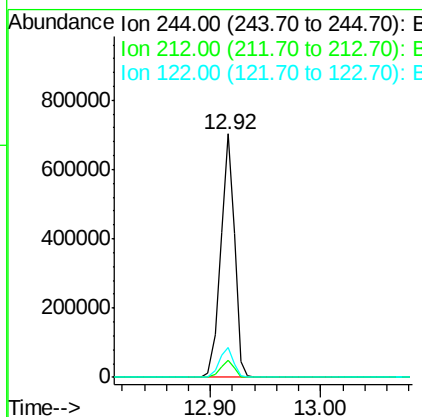
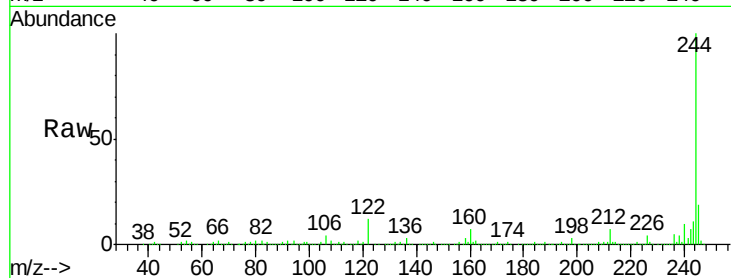
#78
 Terphenyl-d14
 Concen: 54.863 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 PILES_042318

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4

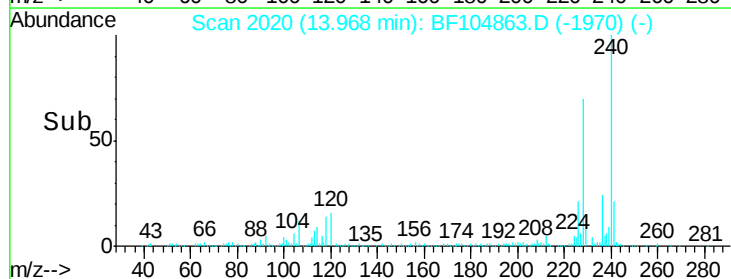
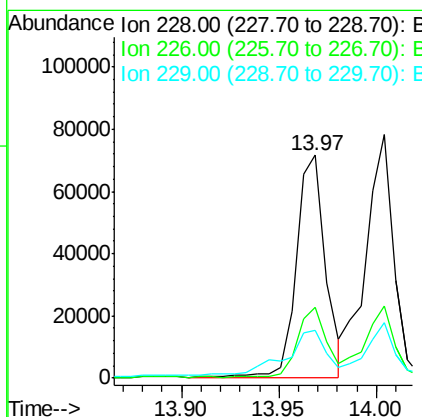
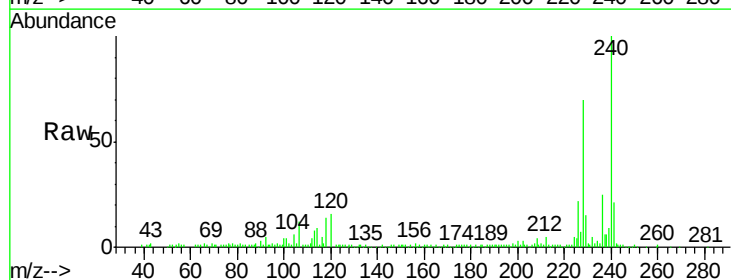
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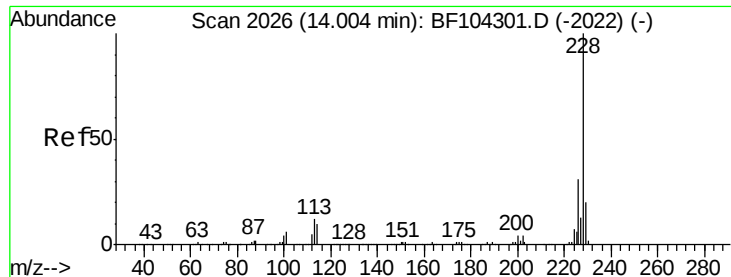
Sohil
 4/27/2018 6:59:31 PM



#80
 Benzo(a)anthracene
 Concen: 4.905 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	21.2	15.8	23.6





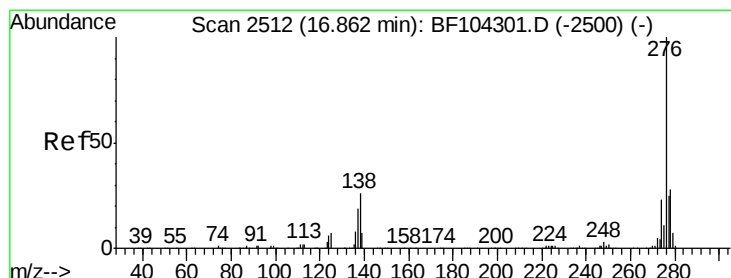
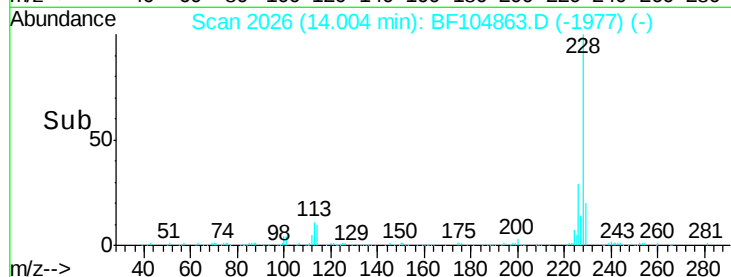
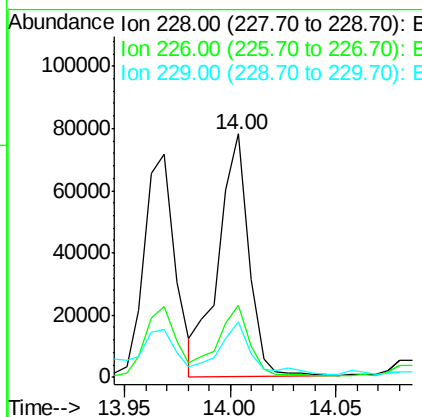
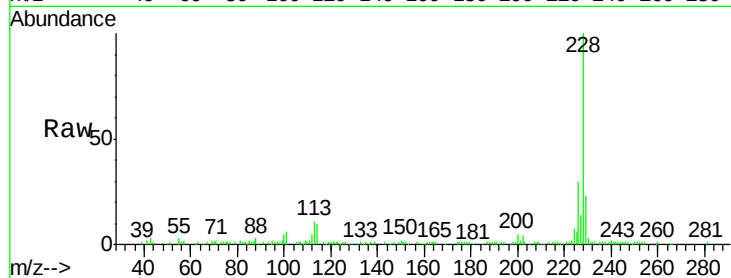
#82
Chrysene
Concen: 4.990 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Instrument :
BNA_F
ClientSampleId :
PILES_042318

Tot Ion:228	Resp:	78028
Ion Ratio	Lower	Upper
228 100		
226 29.7	25.0	37.6
229 22.5	16.2	24.4

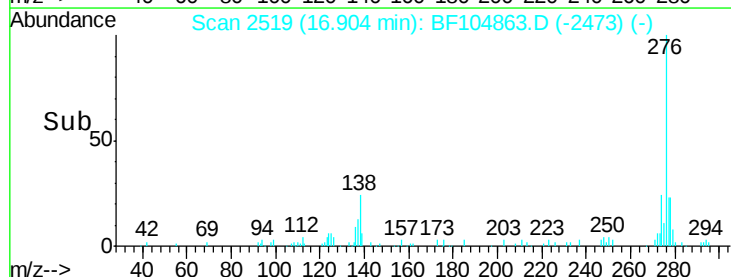
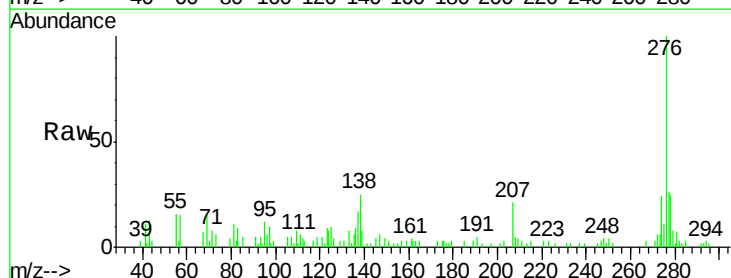
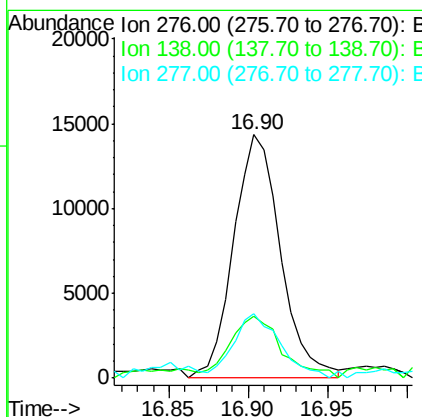
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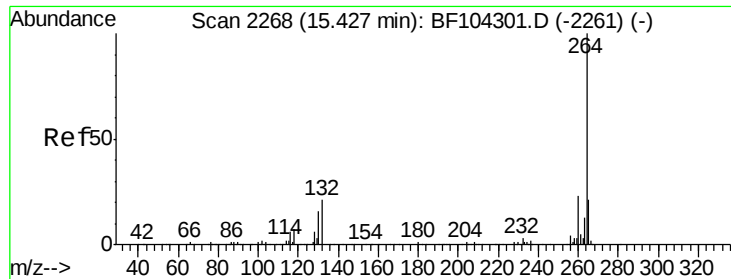
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.223 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Tgt Ion:276	Resp:	29524
Ion Ratio	Lower	Upper
276 100		
138 27.9	25.0	37.6
277 26.1	20.1	30.1





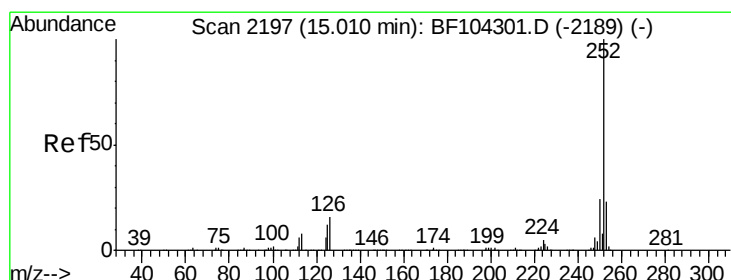
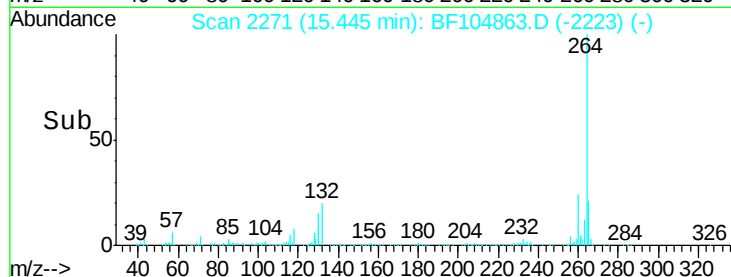
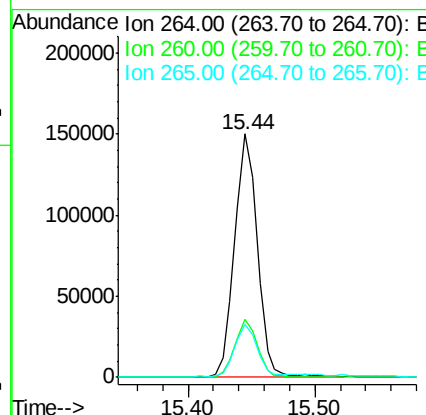
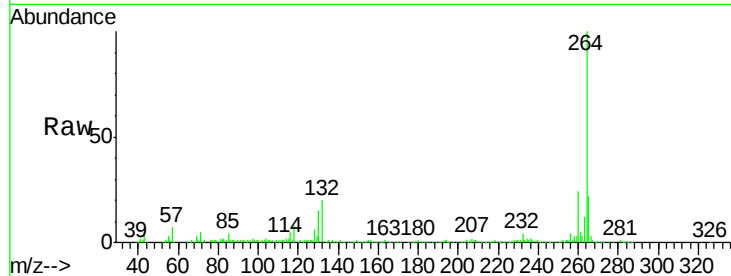
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Instrument :
BNA_F
ClientSampleId :
PILES_042318

Tot Ion	Ratio	Resp	Lower	Upper
264	100	186556		
260	23.8	19.2	28.8	
265	21.6	17.5	26.3	

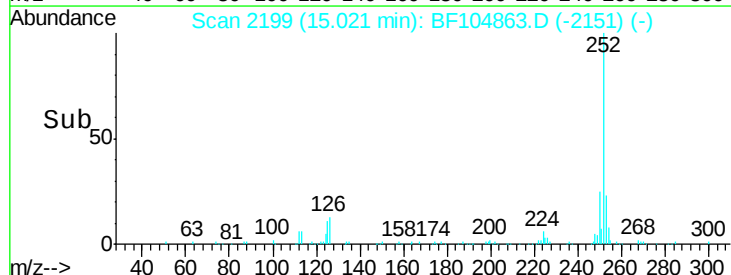
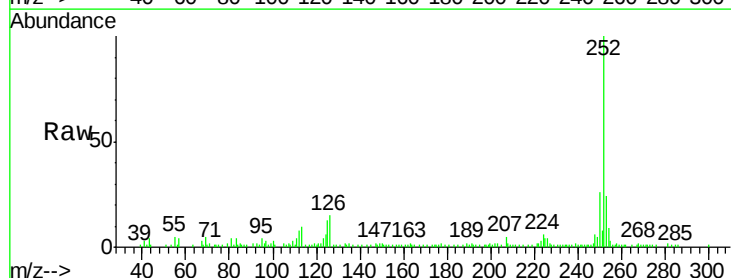
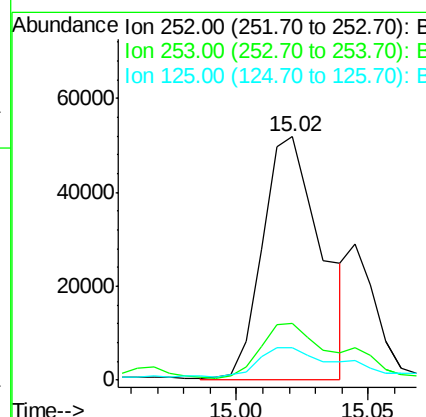
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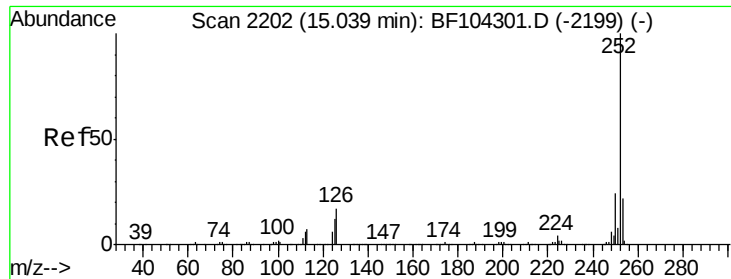
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#87
Benzo(b)fluoranthene
Concen: 6.851 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	80720		
253	23.6	17.0	25.6	
125	13.4	9.0	13.6	





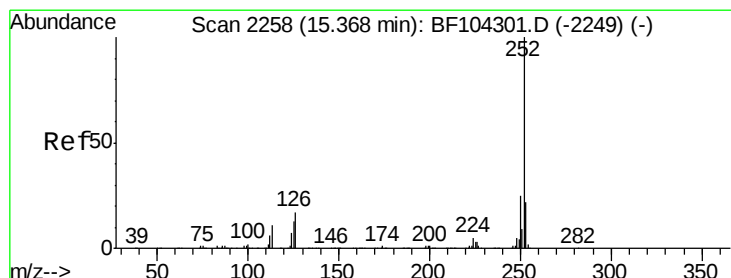
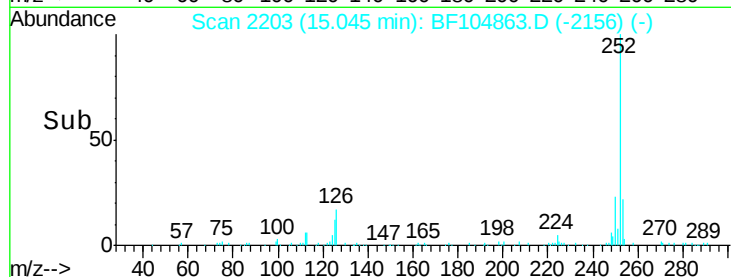
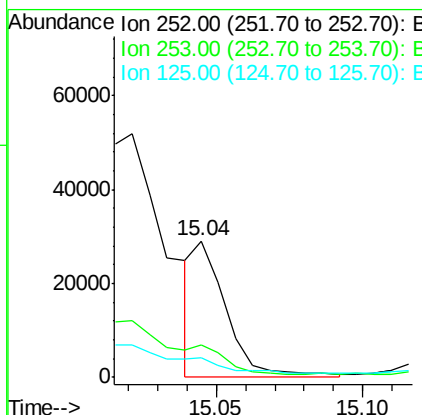
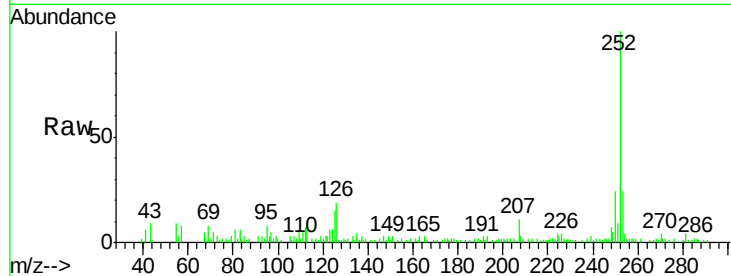
#88
Benzo(k)fluoranthene
Concen: 2.067 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Instrument :
BNA_F
ClientSampleId :
PILES_042318

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	14.6	10.2	15.2

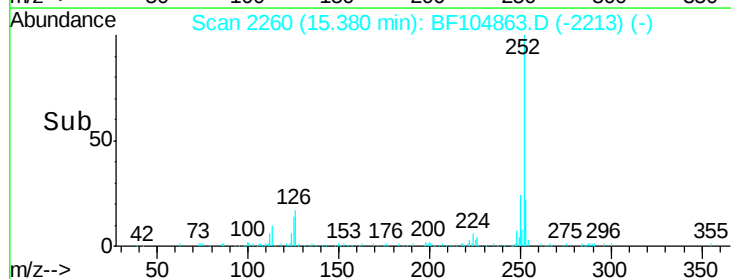
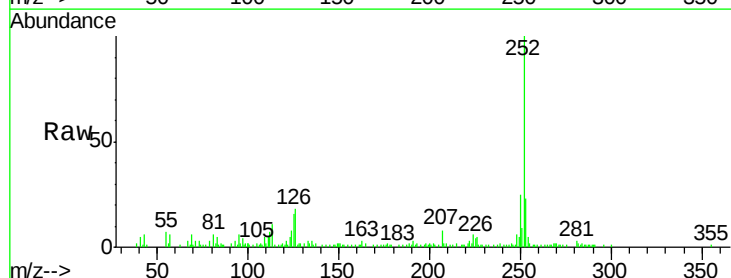
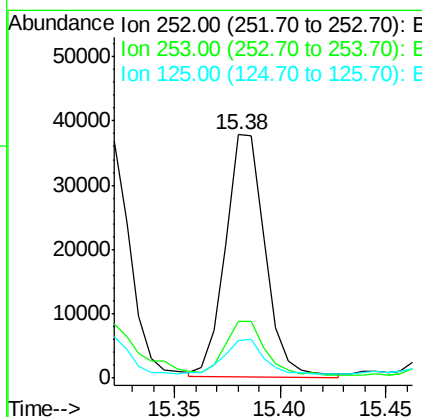
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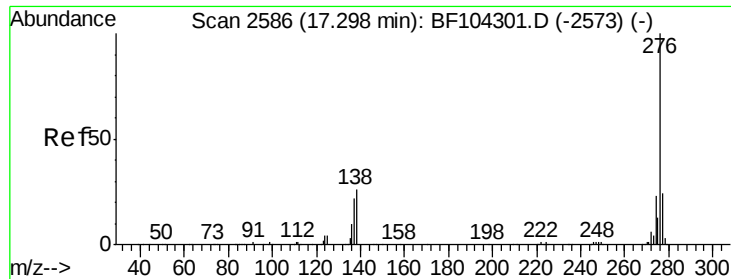
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#89
Benzo(a)pyrene
Concen: 4.647 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104863.D
Acq: 27 Apr 2018 5:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.6	9.8	14.6#





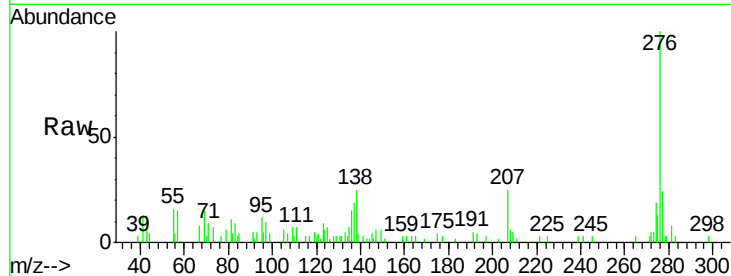
#91
 Benzo(a,h,i)perylene
 Concen: 3.691 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.04 min
 Lab File: BF104863.D
 Acq: 27 Apr 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 PILES_042318

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	24.7	21.8	32.8

Manual Integrations
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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

