

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104186.D
 Acq On : 3 Apr 2018 18:26
 Operator : JU/SJ
 Sample : J2182-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-EW(2.5-5)

Manual Integrations
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Sohil
 4/4/2018 4:09:37 PM

Quant Time: Apr 04 01:20:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	102254	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	444582	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	212986	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	387812	20.00	ng	0.00
75) Chrysene-d12	14.15	240	285177	20.00	ng	0.00
86) Perylene-d12	15.70	264	223131	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	896560	139.83	ng	0.01
7) Phenol-d6	6.60	99	1147427	145.45	ng	0.00
23) Nitrobenzene-d5	7.53	82	684868	94.21	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	304702	128.48	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1119709	82.90	ng	0.00
78) Terphenyl-d14	13.08	244	1033109	83.65	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.70	163	135318	8.047	ng	98
70) Phenanthrene	11.52	178	292185	13.916	ng	97
71) Anthracene	11.57	178	84523	3.854	ng	96
74) Fluoranthene	12.72	202	434997	19.491	ng	97
77) Pyrene	12.94	202	370195	18.058	ng	99
80) Benzo(a)anthracene	14.14	228	176359	9.883	ng	97
82) Chrysene	14.18	228	158034	9.042	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	77673	4.289	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	158373m	11.663	ng	
88) Benzo(k)fluoranthene	15.26	252	71037m	5.553	ng	
89) Benzo(a)pyrene	15.63	252	119950	9.532	ng	# 94
91) Benzo(a,h,i)perylene	17.77	276	72790	6.246	ng	97

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

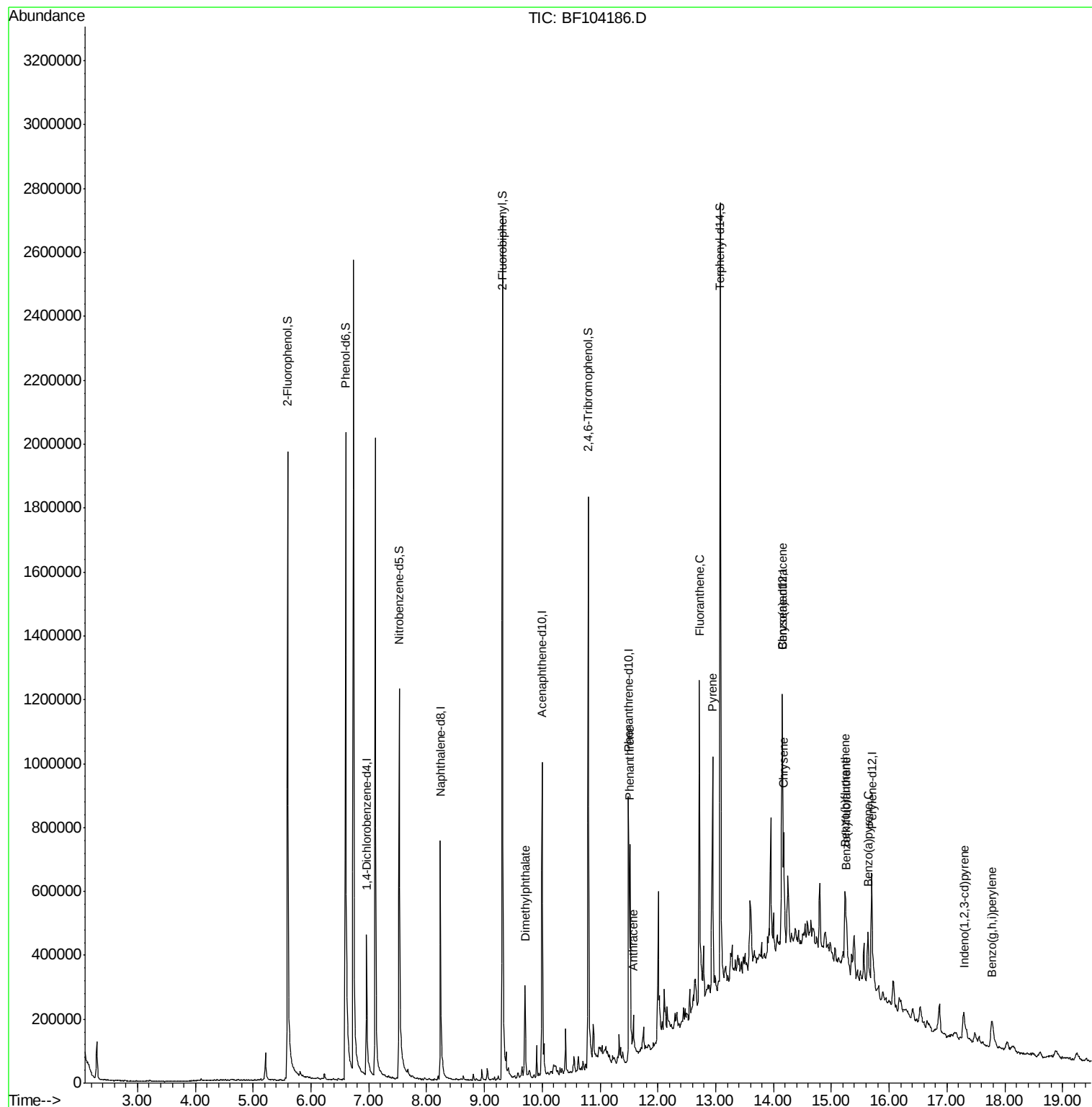
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Manual Integrations
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Quant Time: Apr 04 01:20:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 03 15:22:43 2018
Response via : Initial Calibration





#1

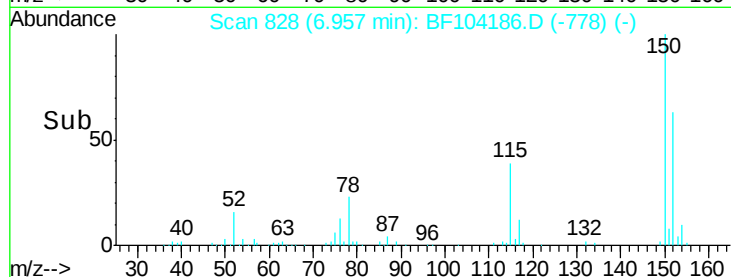
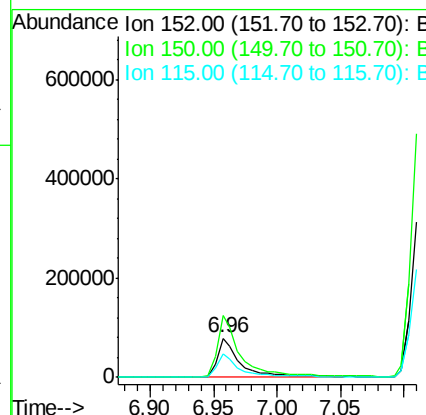
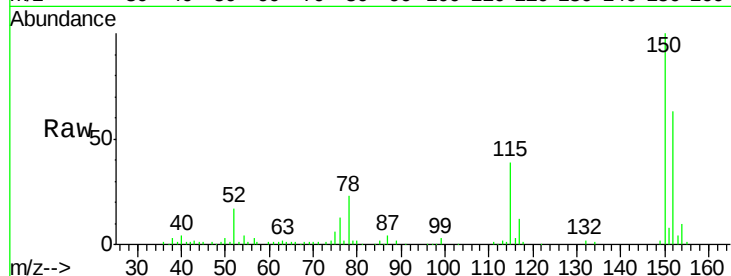
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	61.3	50.1	75.1

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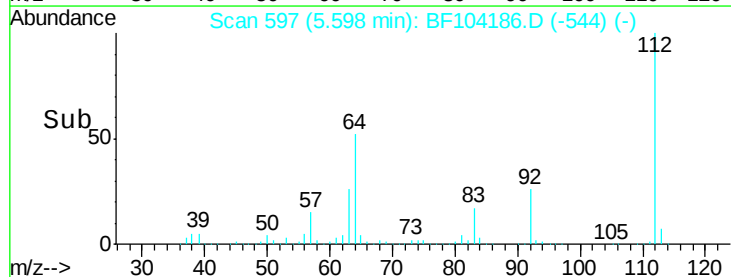
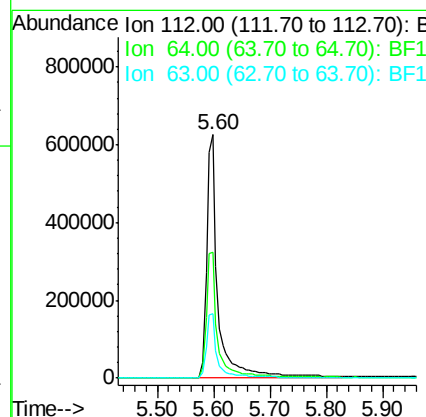
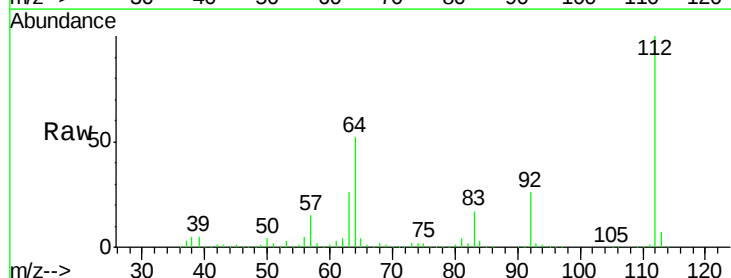
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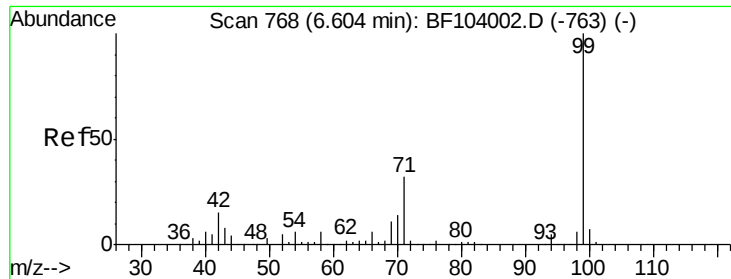


#5

2-Fluorophenol
Concen: 139.827 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	47.9	71.9
63	26.2	23.7	35.5





#7

Phenol-d6

Concen: 145.454 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-6-EW(2.5-5)

Tot Ion: 99 Resp: 1147427

Ion Ratio Lower Upper

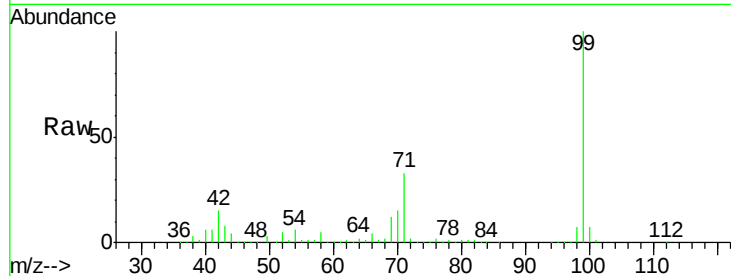
99 100

42 15.5 14.5 21.7

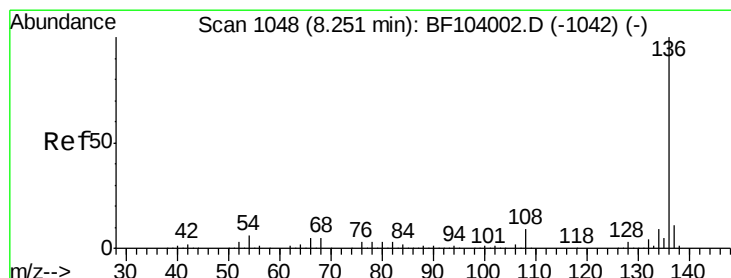
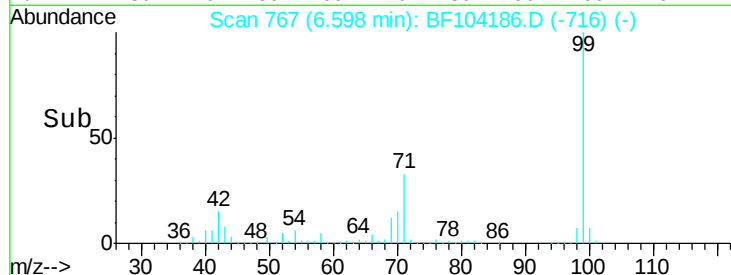
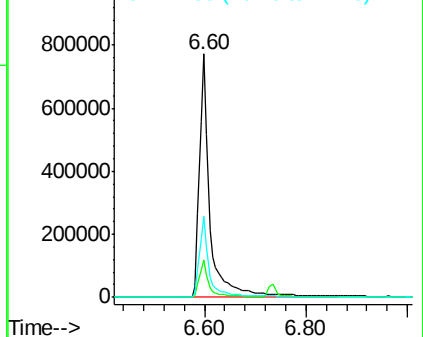
71 33.2 25.4 38.0

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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: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion: 136 Resp: 444582

Ion Ratio Lower Upper

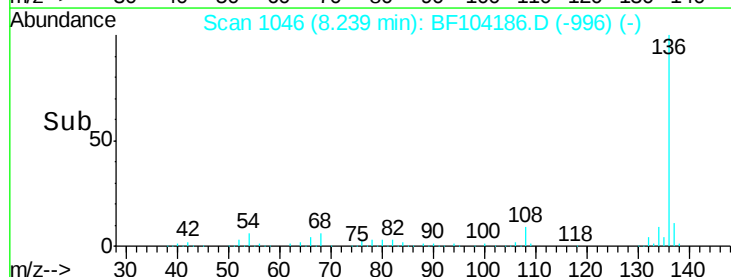
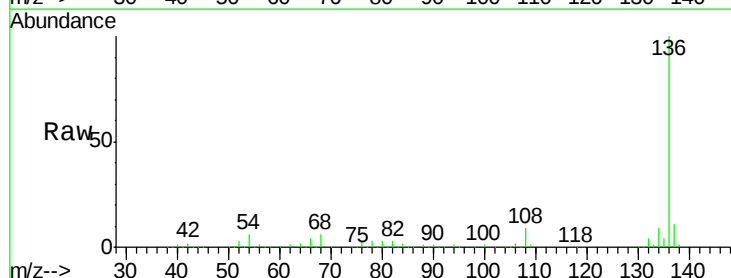
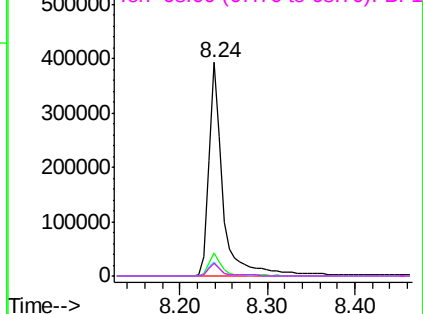
136 100

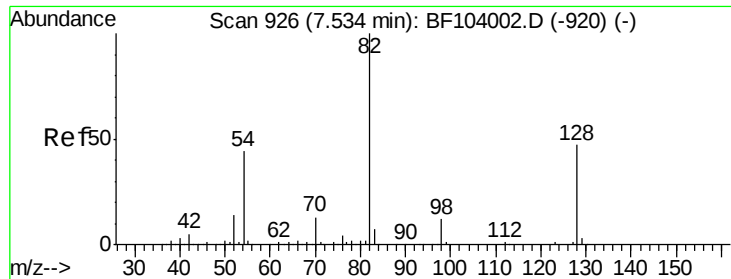
137 11.0 8.9 13.3

54 6.4 6.6 9.8#

68 5.8 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





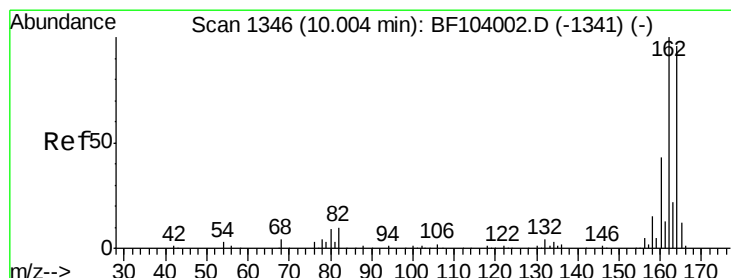
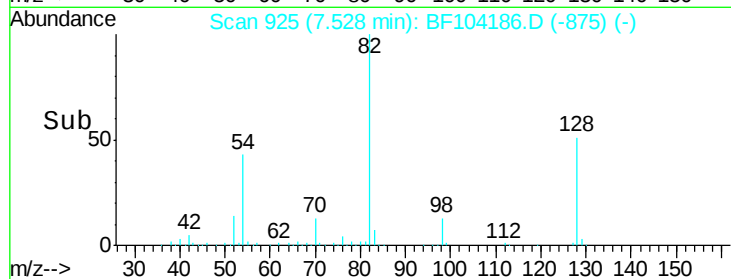
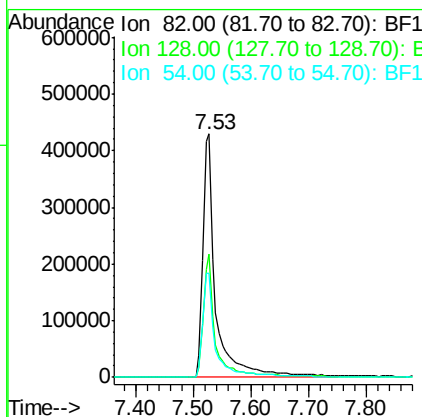
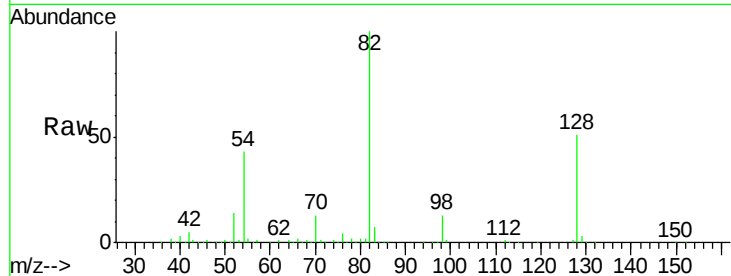
#23
Nitrobenzene-d5
Concen: 94.209 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	42.8	41.4	62.2

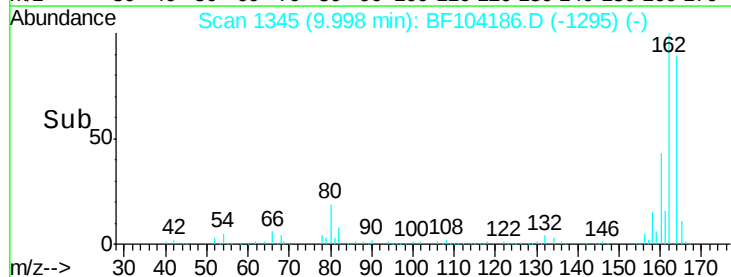
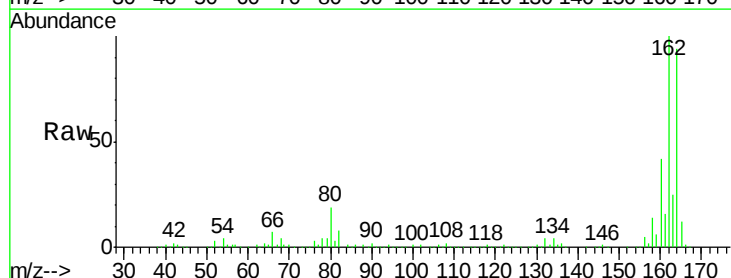
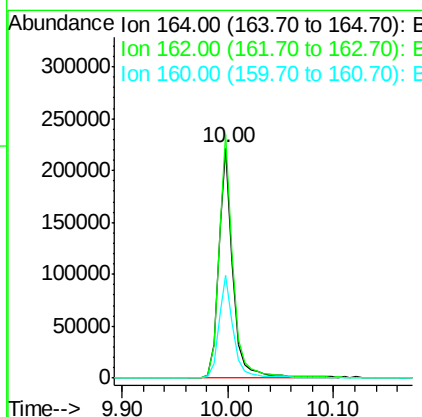
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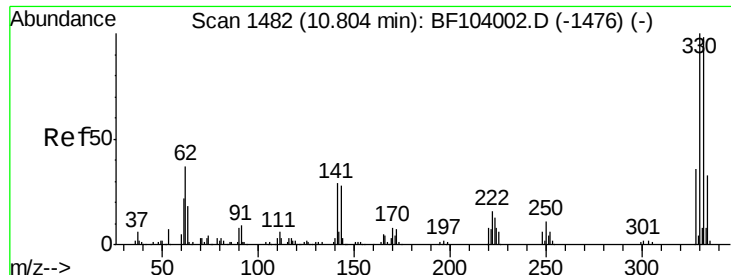
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	44.9	38.3	57.5





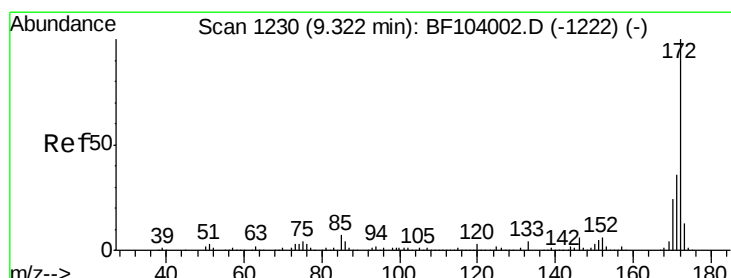
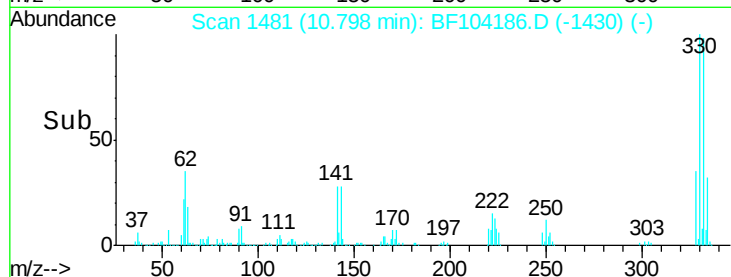
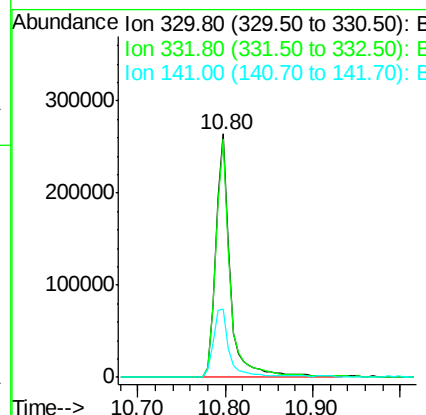
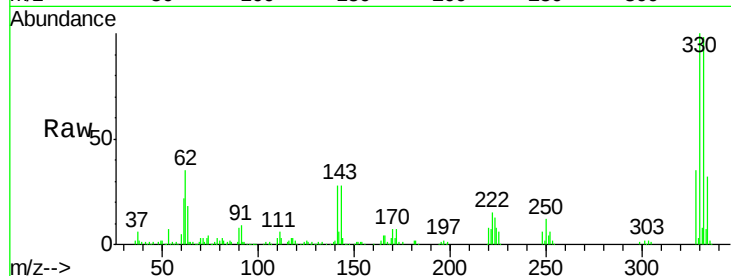
#41
 2,4,6-Tribromophenol
 Concen: 128.479 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	30.7	29.9	44.9

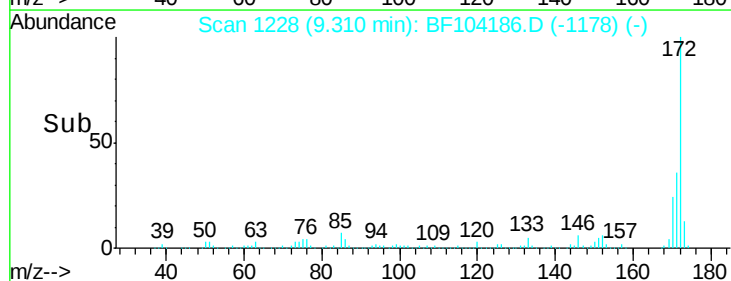
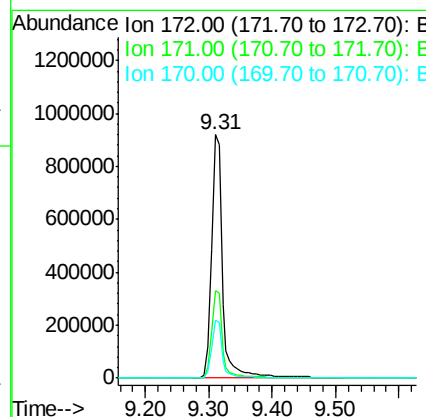
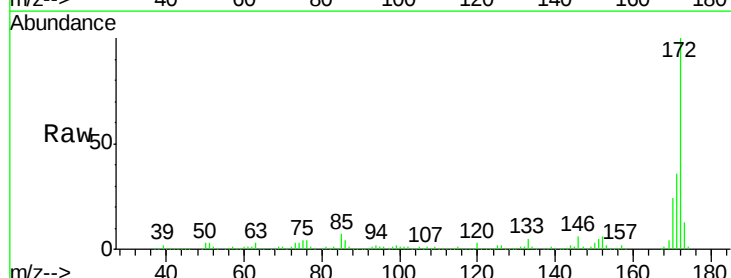
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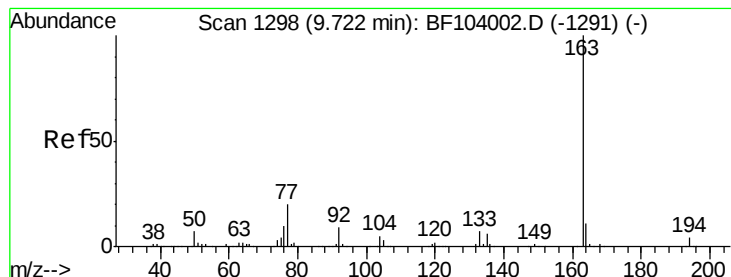
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#44
 2-Fluorobiphenyl
 Concen: 82.902 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 8.047 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

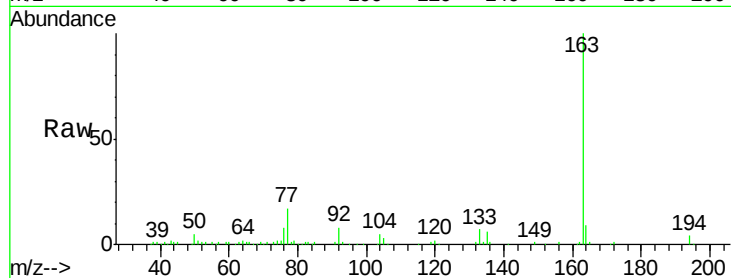
ClientSampleId :

6-WM-DIP-6-EW(2.5-5)

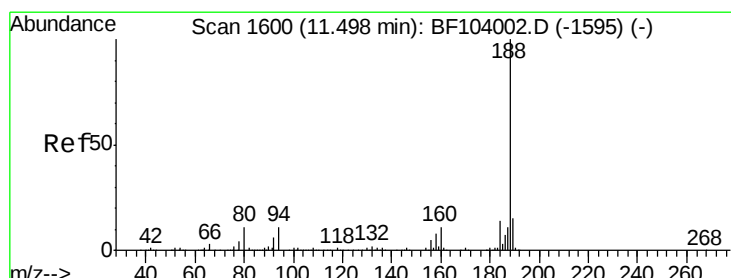
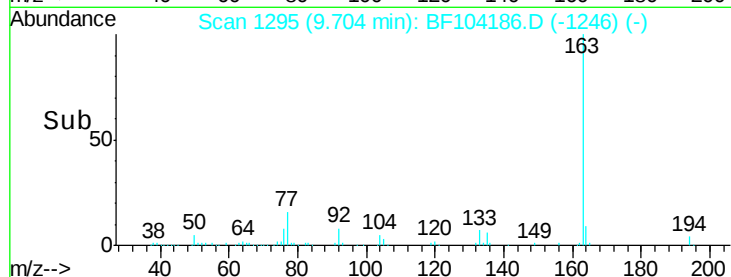
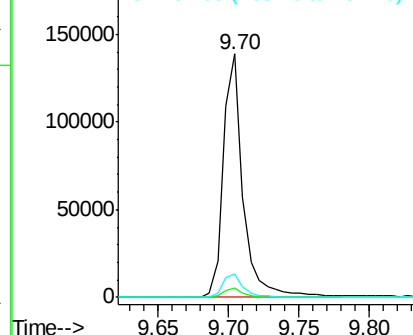
Tot Ion:	163	Resp:	135318
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2

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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

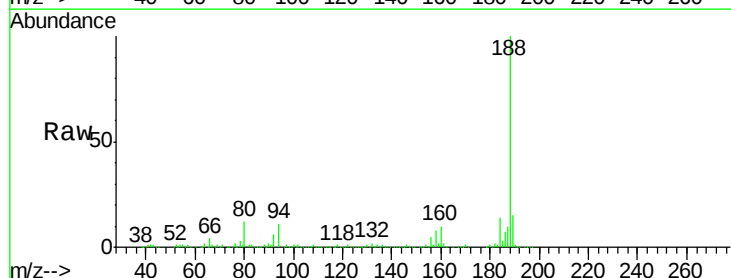
RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

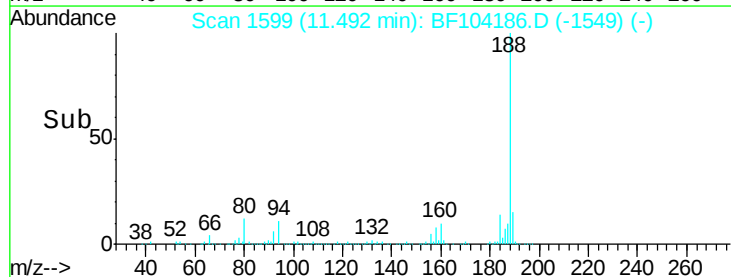
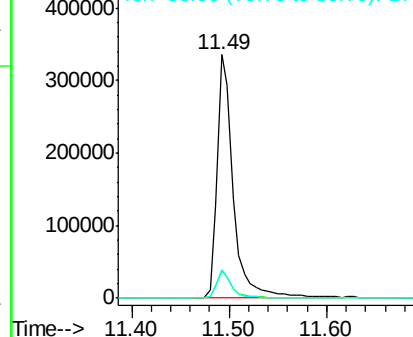
Lab File: BF104186.D

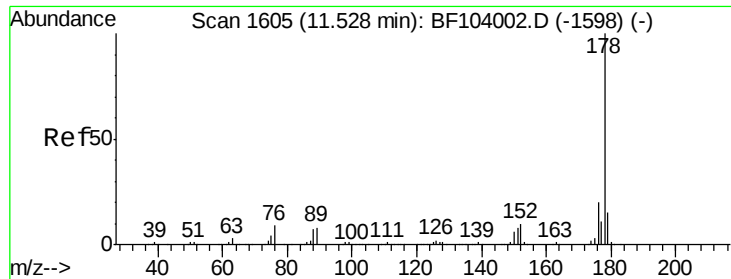
Acq: 3 Apr 2018 18:26

Tgt Ion:	188	Resp:	387812
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	11.7	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





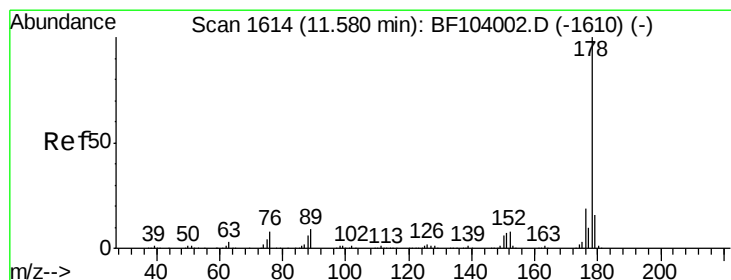
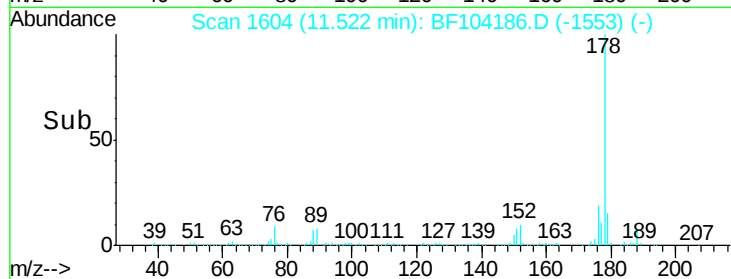
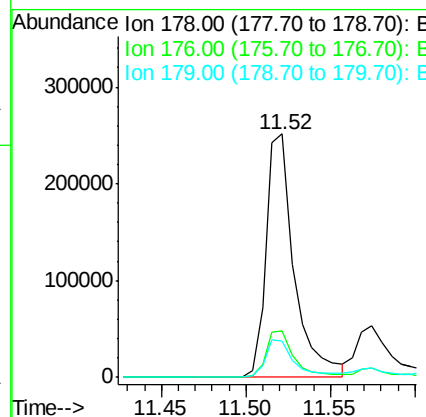
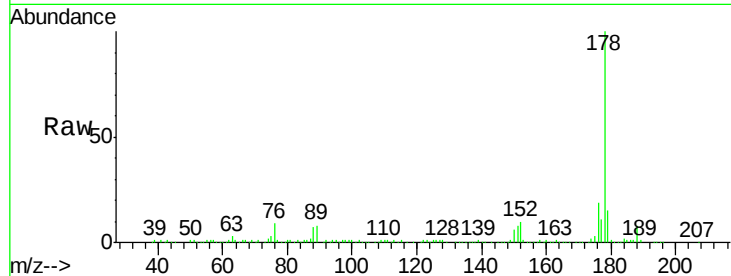
#70
Phenanthrene
Concen: 13.916 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.8	13.0	19.6

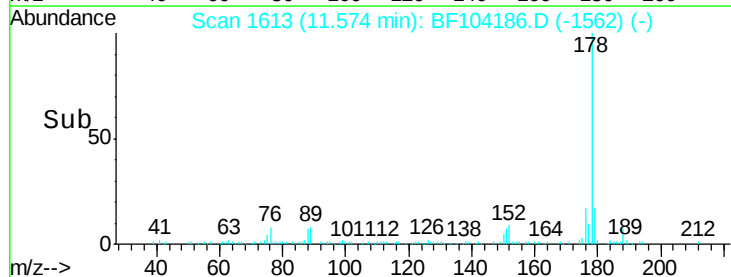
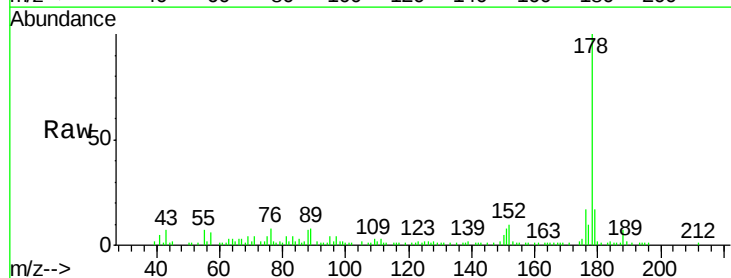
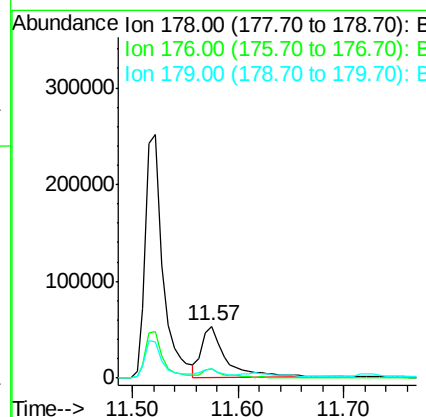
Manual Integrations
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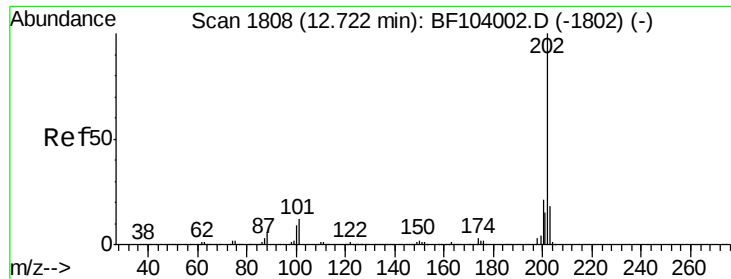
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#71
Anthracene
Concen: 3.854 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	17.0	12.6	19.0





#74

Fluoranthene

Concen: 19.491 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

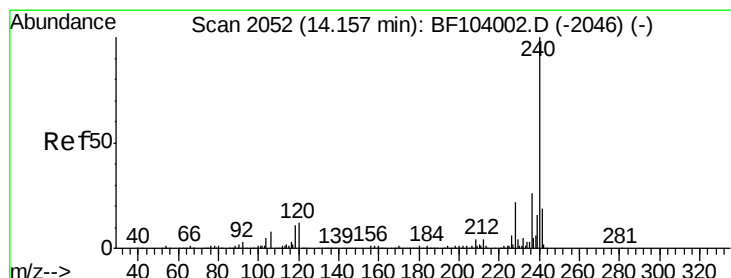
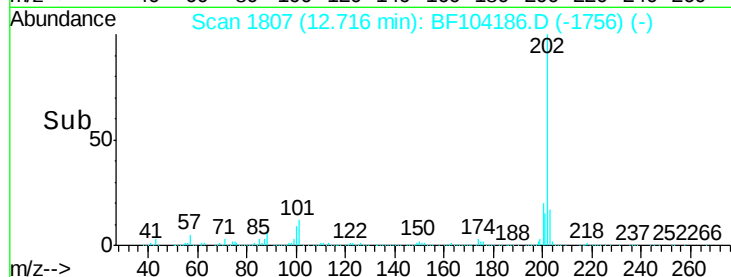
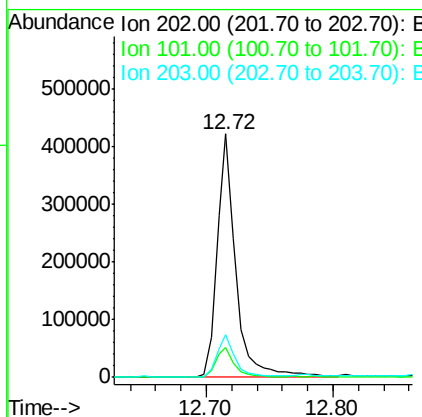
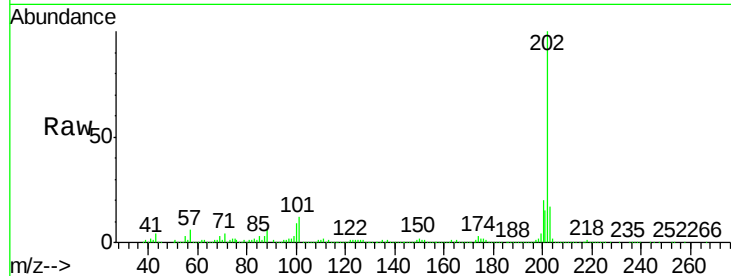
ClientSampleId :

6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		434997		
101	12.1	0.0	34.1		
203	17.4	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

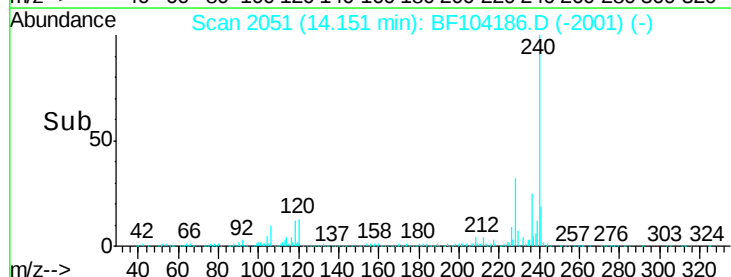
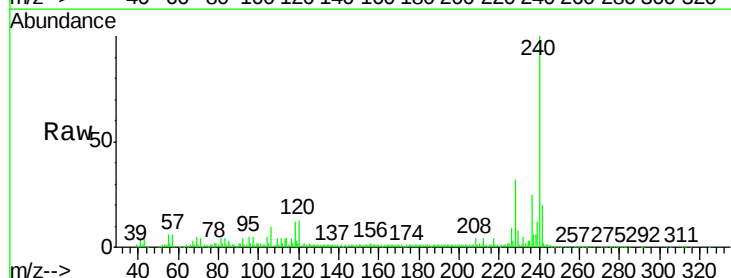
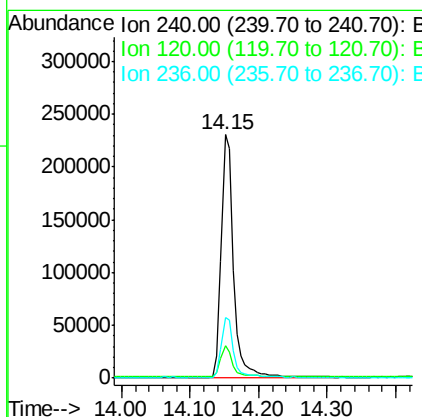
RT: 14.15 min Scan# 2051

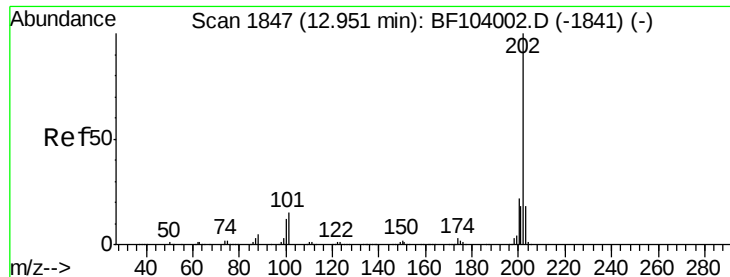
Delta R.T. -0.01 min

Lab File: BF104186.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		285177		
120	13.3	9.5	14.3		
236	25.1	20.7	31.1		





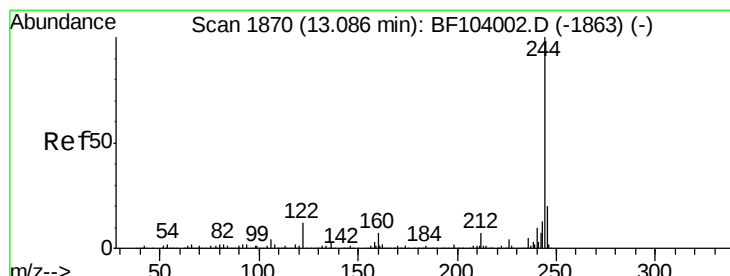
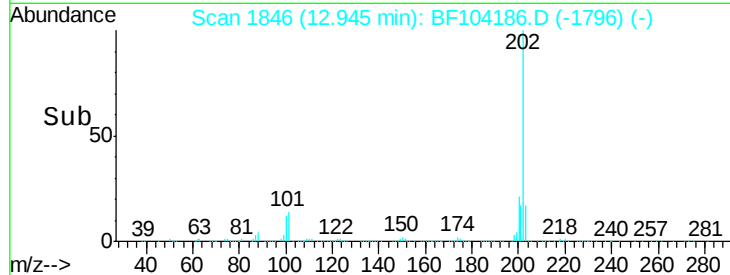
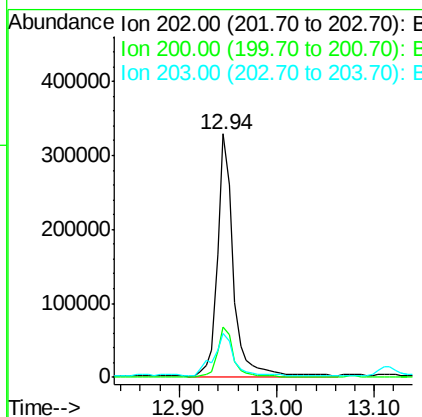
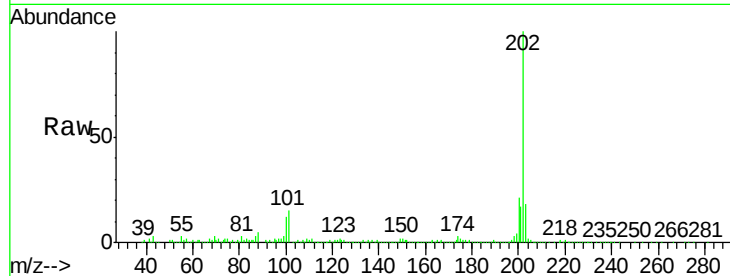
#77
Pvrene
Concen: 18.058 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.9	14.3	21.5

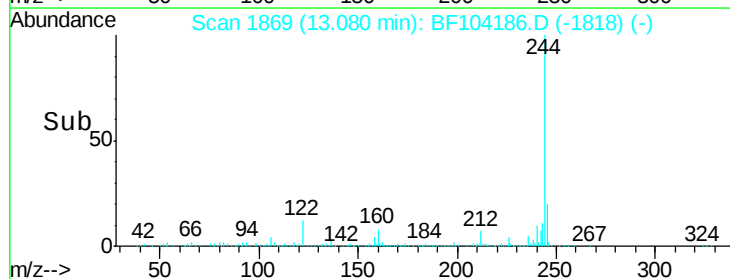
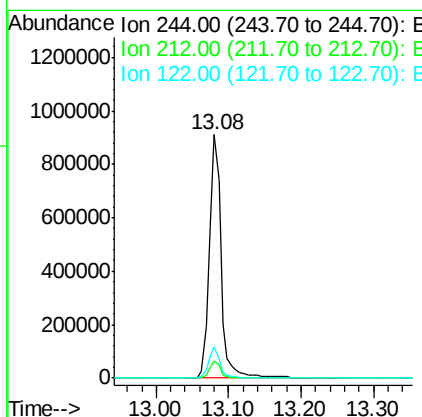
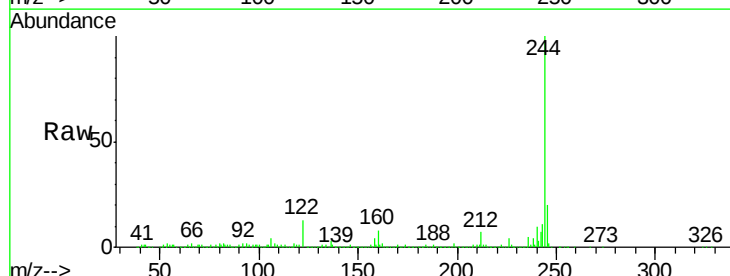
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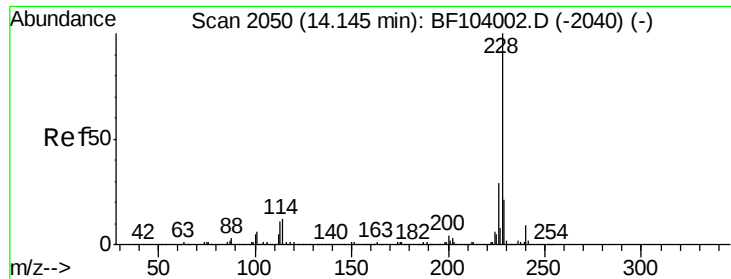
Sohil
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#78
Terphenyl-d14
Concen: 83.646 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 9.883 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

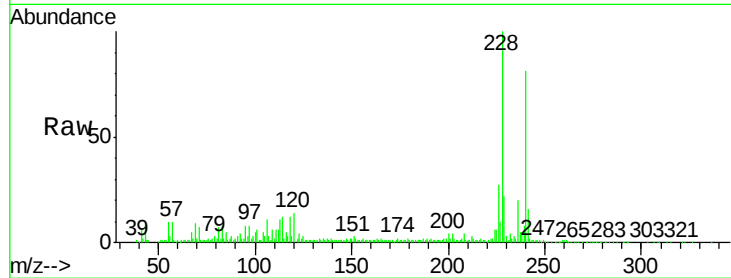
ClientSampleId :

6-WM-DIP-6-EW(2.5-5)

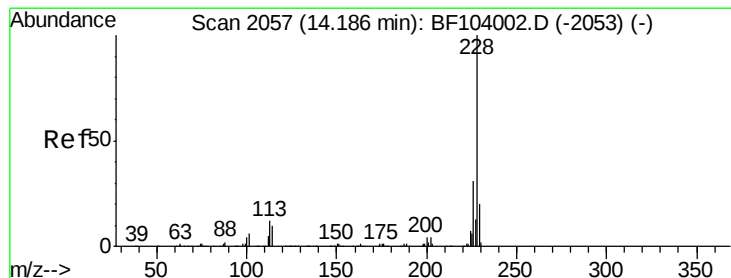
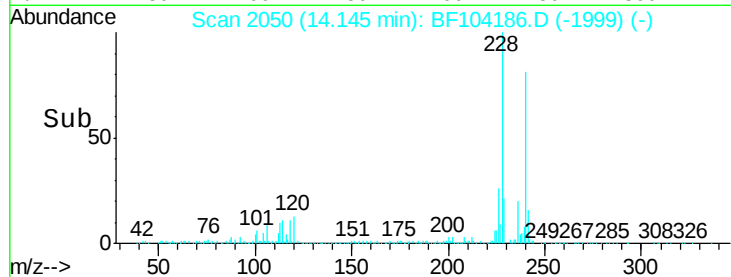
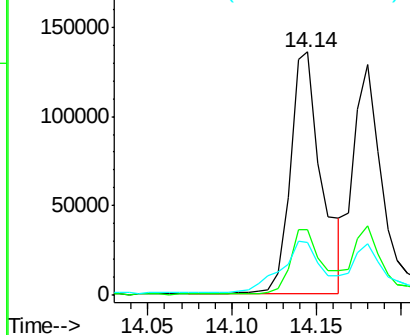
Tot Ion:	228	Resp:	176359
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	21.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.042 ng

RT: 14.18 min Scan# 2056

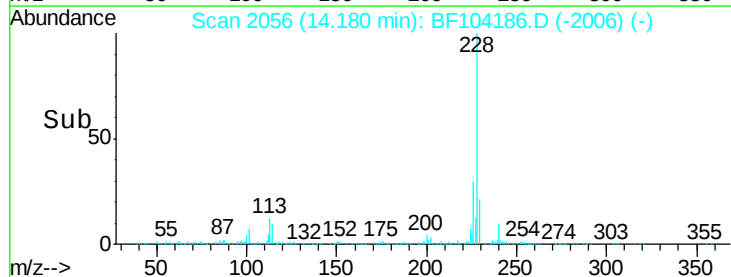
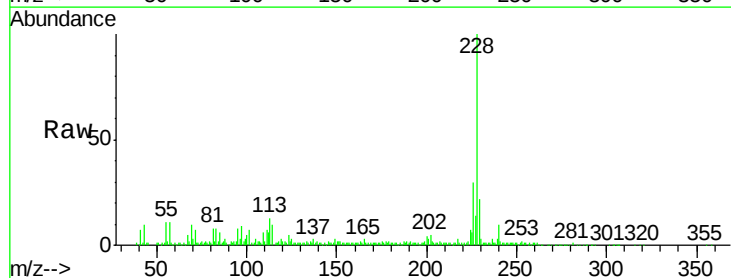
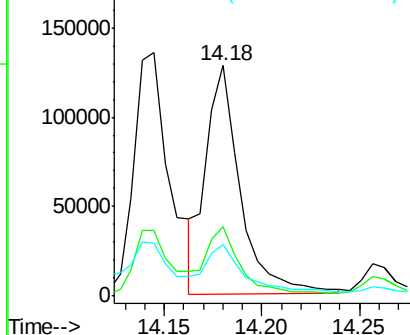
Delta R.T. -0.01 min

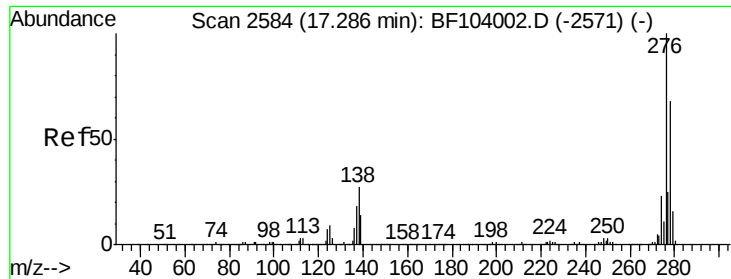
Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion:	228	Resp:	158034
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.2	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





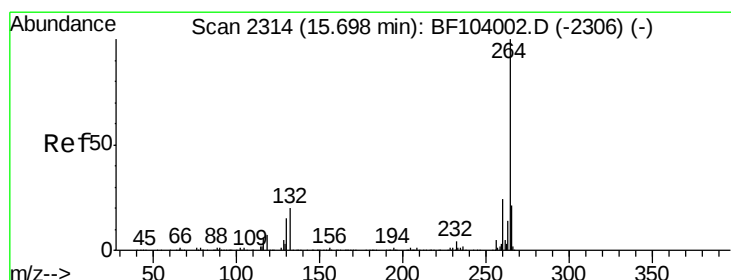
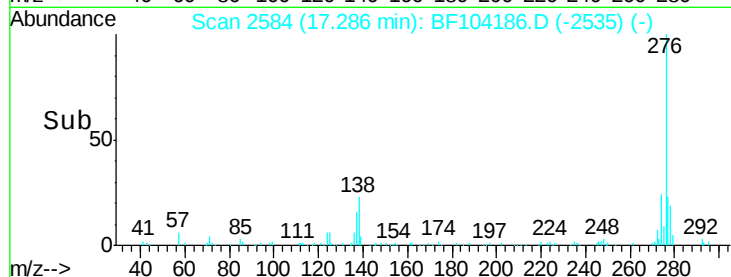
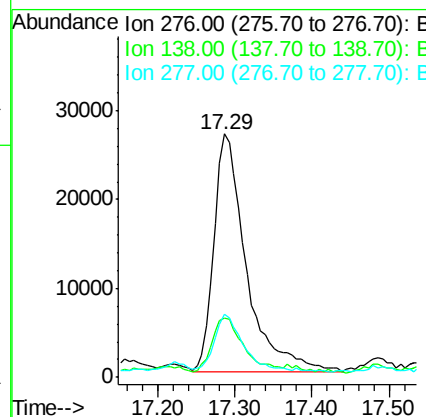
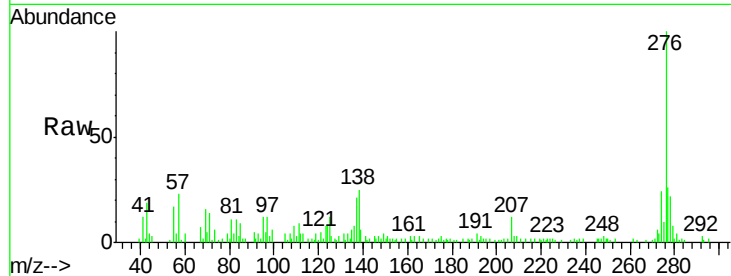
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.289 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	25.0	37.6#
277	21.7	20.1	30.1

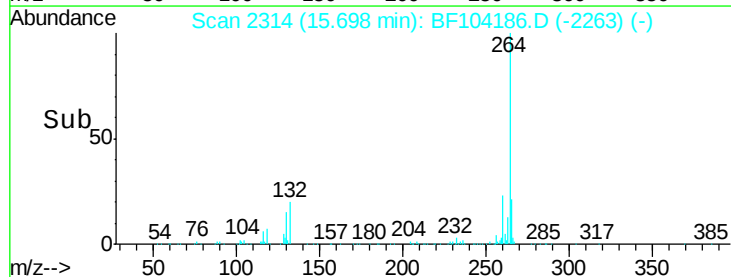
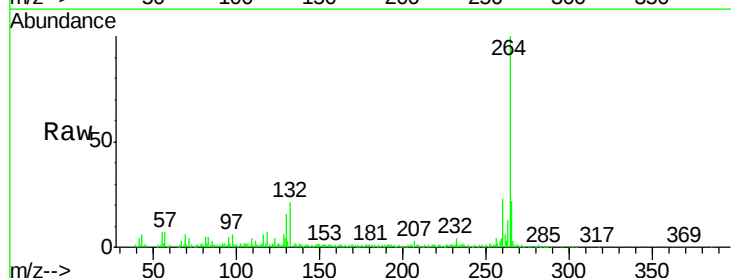
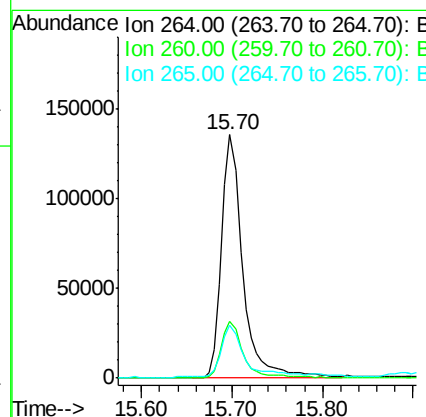
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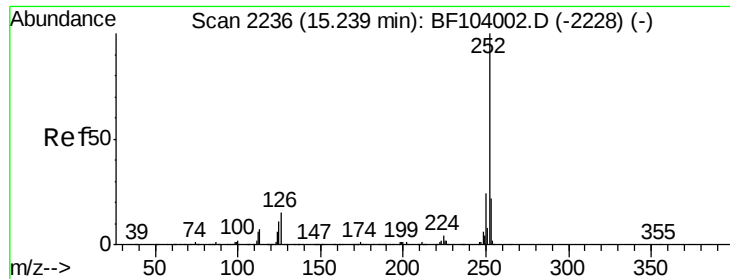
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.663 ng m

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

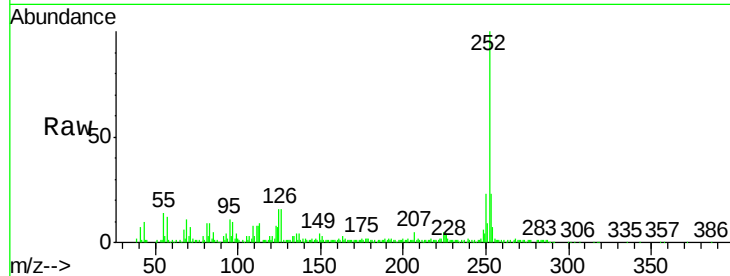
ClientSampleId :

6-WM-DIP-6-EW(2.5-5)

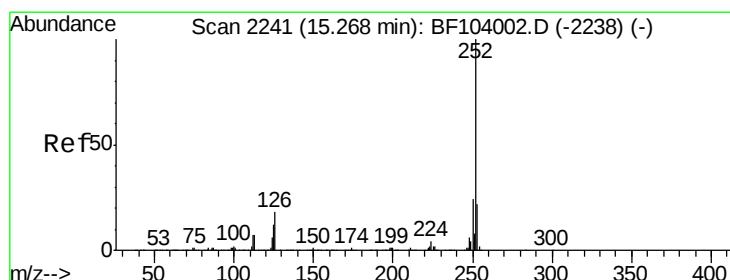
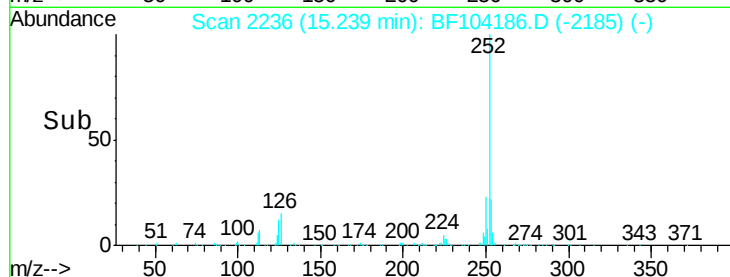
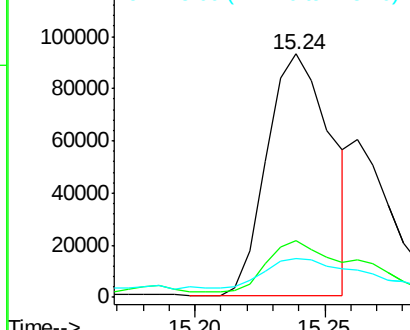
Tot Ion:	252	Resp:	158373
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	16.2	9.0	13.6#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.553 ng m

RT: 15.26 min Scan# 2240

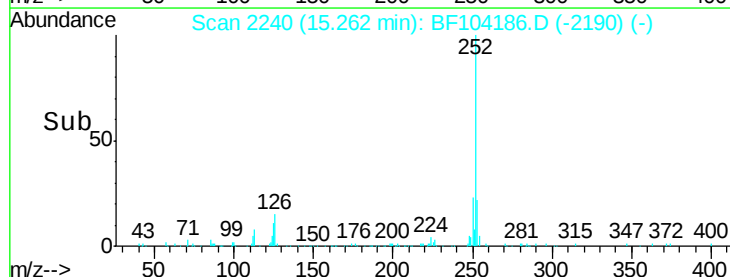
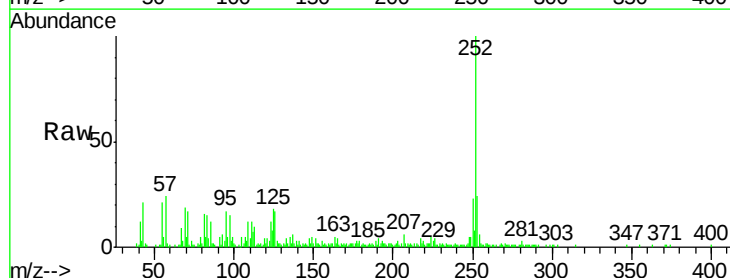
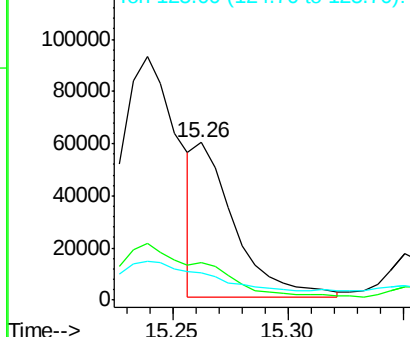
Delta R.T. -0.01 min

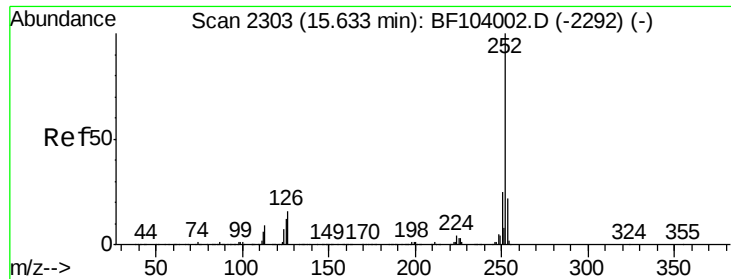
Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion:	252	Resp:	71037
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	17.5	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





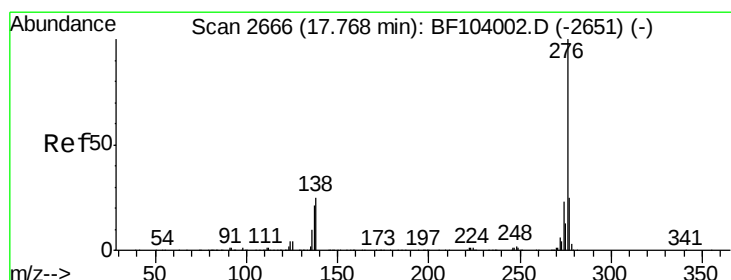
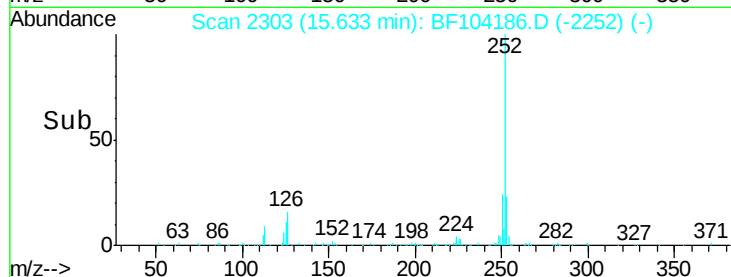
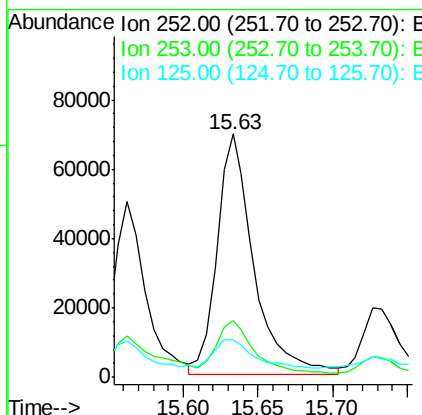
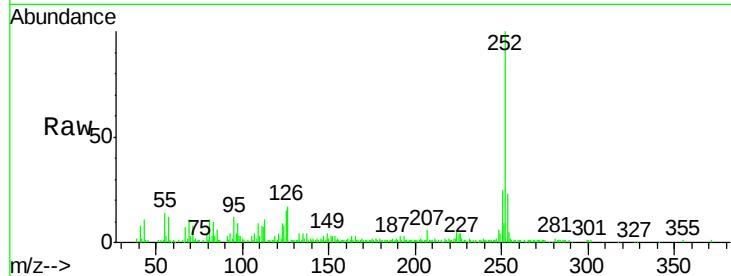
#89
Benzo(a)pyrene
Concen: 9.532 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-EW(2.5-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.5	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 6.246 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	25.4	21.8	32.8

