

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
 Data File : BF106823.D
 Acq On : 26 Jun 2018 15:28
 Operator : JU/SJ
 Sample : J3676-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-5-8

Manual Integrations
 APPROVED

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 6/27/2018 2:14:04 PM

Quant Time: Jun 26 17:21:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	44489	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	162985	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	72112	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	131728	20.00	ng	0.00
75) Chrysene-d12	14.15	240	134115	20.00	ng	-0.01
86) Perylene-d12	15.71	264	100226	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	261699	99.61	ng	0.00
7) Phenol-d6	6.61	99	323148	98.49	ng	0.00
23) Nitrobenzene-d5	7.52	82	196443	66.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	88055	105.35	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	356078	83.28	ng	0.00
78) Terphenyl-d14	13.08	244	376574	68.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.71	163	63906	11.816	ng	98
57) Fluorene	10.55	166	11262	2.305	ng	99
70) Phenanthrene	11.52	178	109370	17.214	ng	97
71) Anthracene	11.57	178	27207	4.195	ng	99
74) Fluoranthene	12.71	202	151429	21.624	ng	96
77) Pyrene	12.95	202	138980	15.715	ng	99
80) Benzo(a)anthracene	14.15	228	76495	9.358	ng	97
82) Chrysene	14.18	228	67284	8.947	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	12560	2.702	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	26315	4.124	ng	# 91
87) Benzo(b)fluoranthene	15.25	252	70479m	11.320	ng	
88) Benzo(k)fluoranthene	15.28	252	21946m	3.701	ng	
89) Benzo(a)pyrene	15.64	252	47435	8.570	ng	94
91) Benzo(a,h,i)perylene	17.77	276	26161	5.706	ng	# 92

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

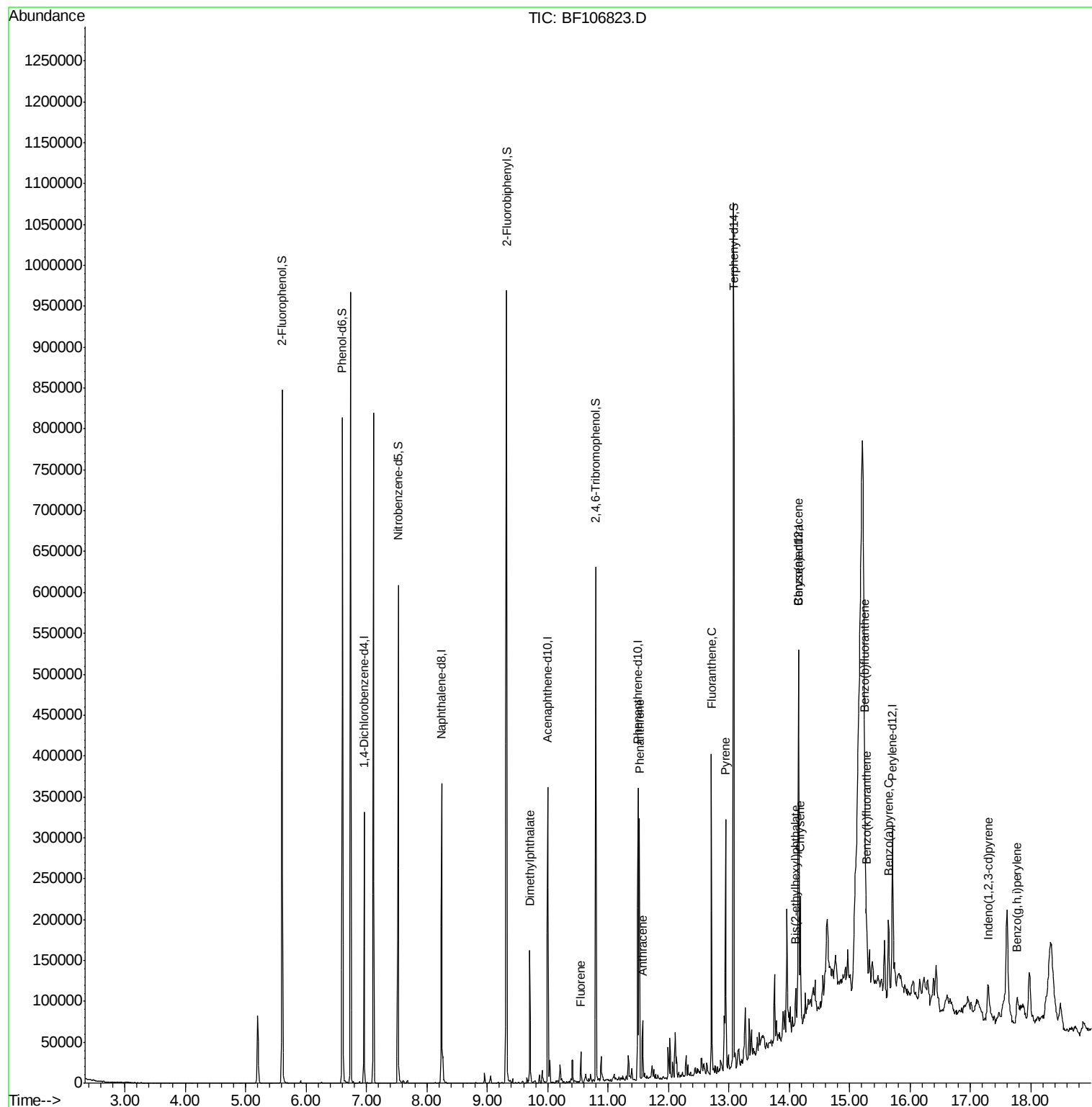
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106823.D
Acq On : 26 Jun 2018 15:28
Operator : JU/SJ
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#1

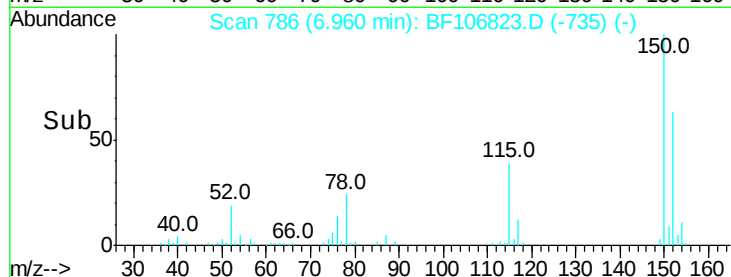
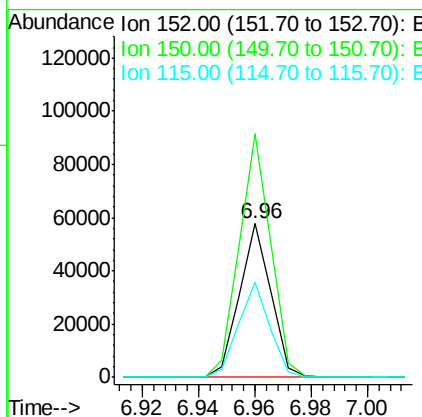
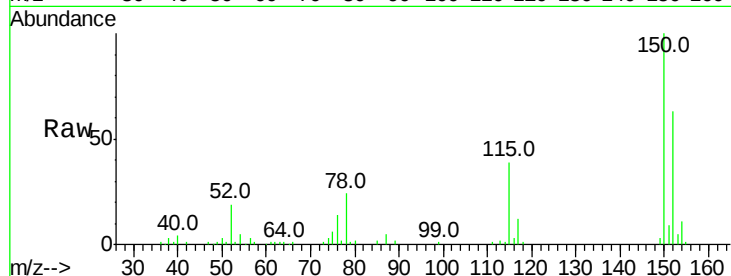
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampleId :
RO-5-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.6	50.1	75.1

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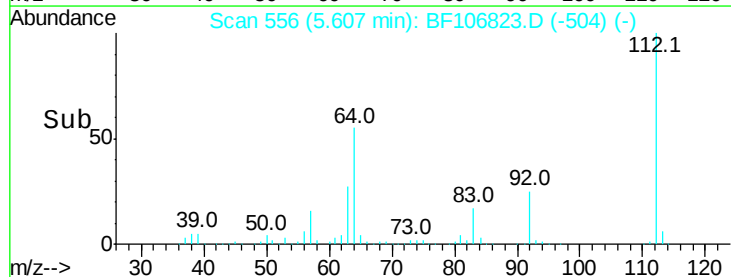
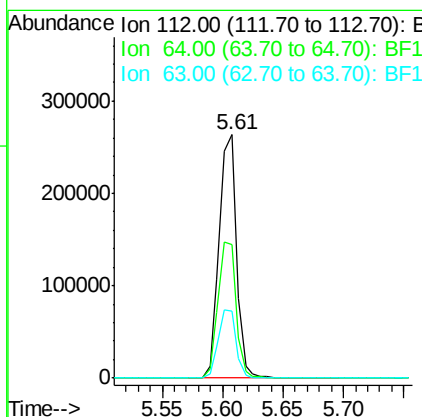
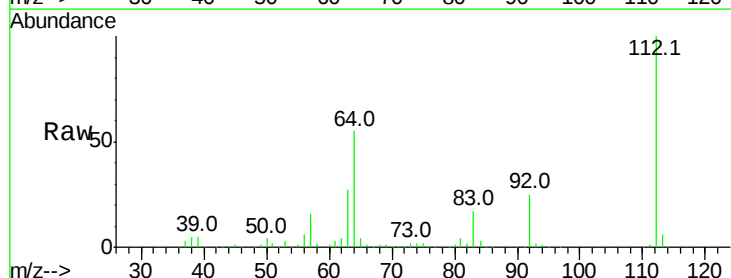
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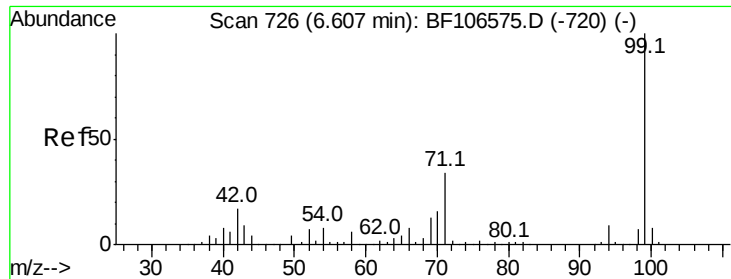


#5

2-Fluorophenol
Concen: 99.607 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 98.490 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106823.D

Acq: 26 Jun 2018 15:28

Instrument :

BNA_F

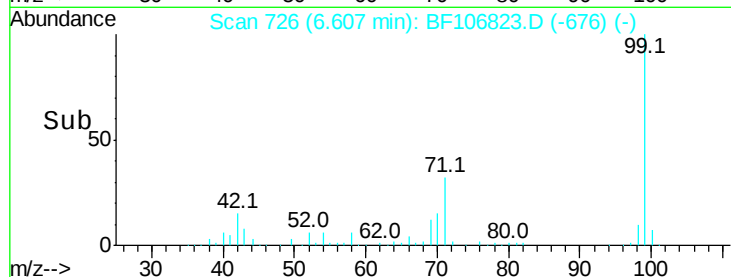
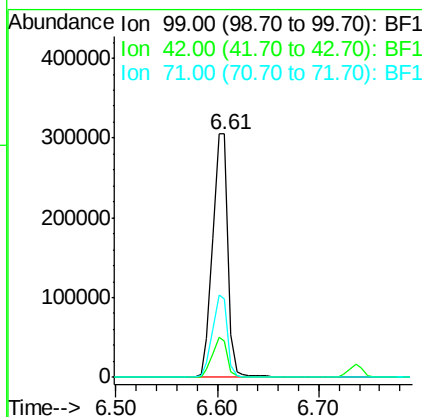
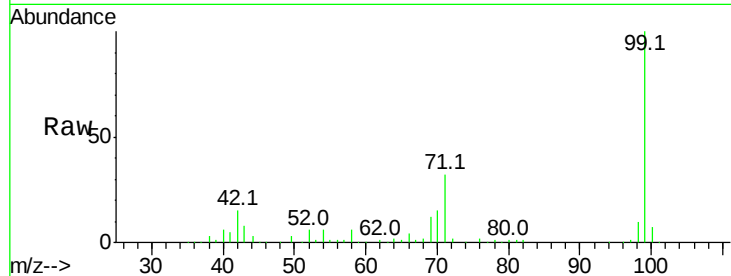
ClientSampled :

RO-5-8

Tot Ion:	99	Resp:	323148
Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.5	21.7
71	32.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

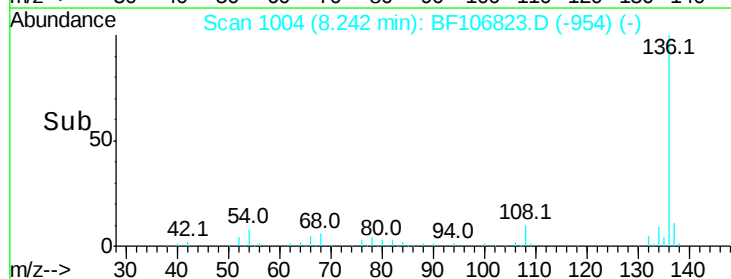
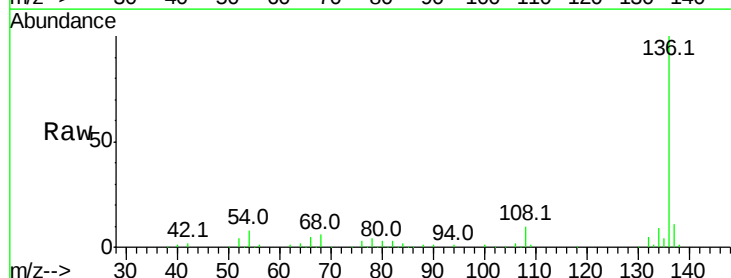
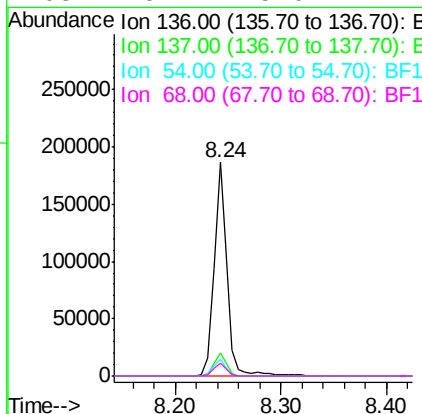
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106823.D

Acq: 26 Jun 2018 15:28

Tgt Ion:	136	Resp:	162985
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.9	6.6	9.8
68	6.1	5.0	7.4





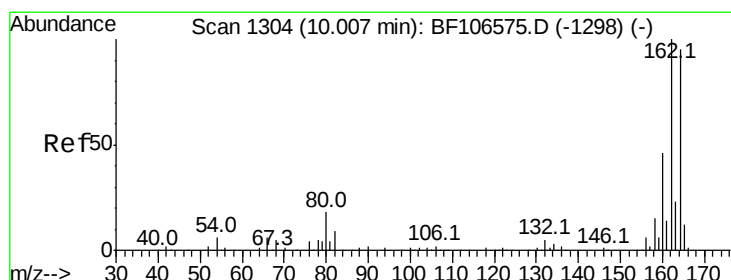
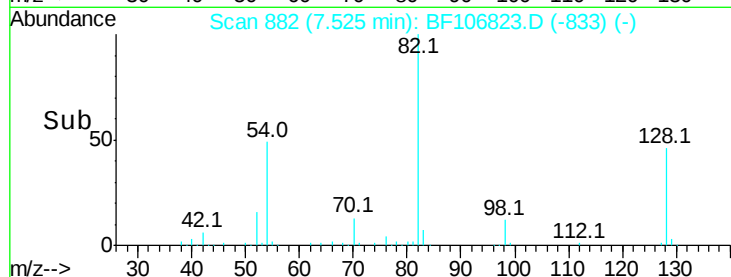
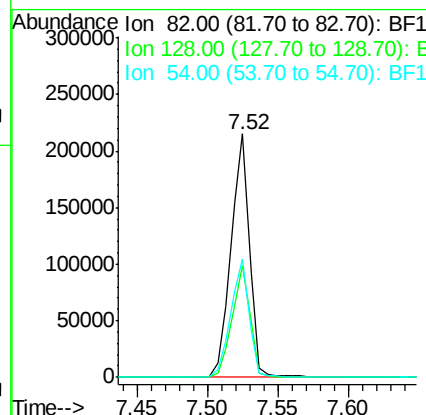
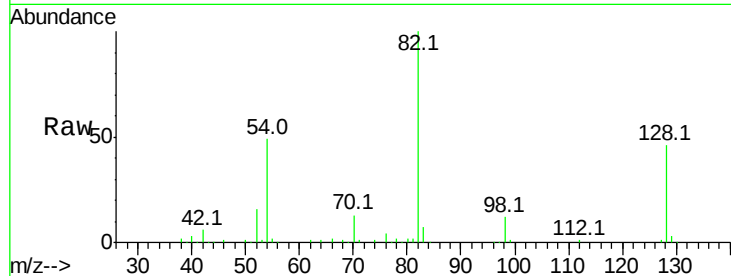
#23
Nitrobenzene-d5
Concen: 66.982 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
RO-5-8

Tot Ion	Ratio	Resp	Lower	Upper
82	100	196443		
128	45.7	36.1	54.1	
54	48.8	41.4	62.2	

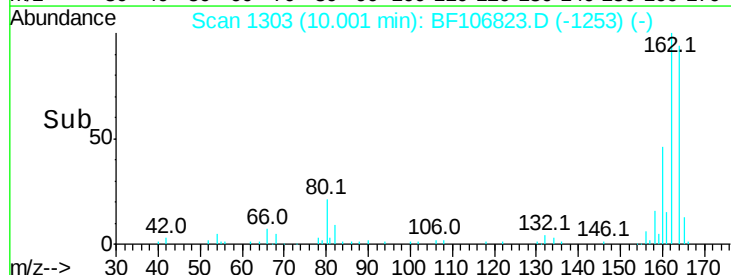
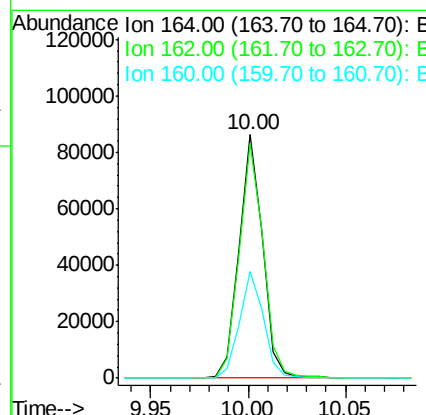
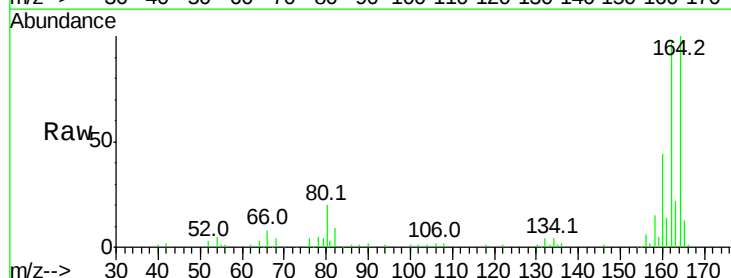
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72112		
162	96.5	86.1	129.1	
160	44.0	38.3	57.5	





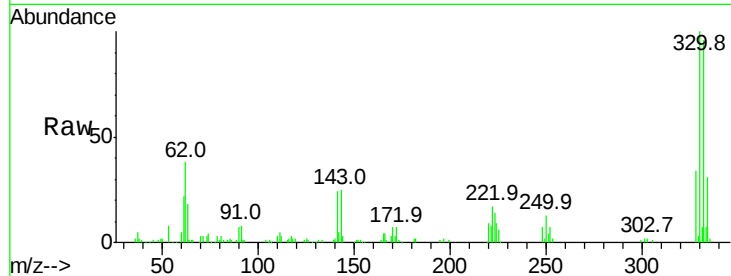
#41
 2,4,6-Tribromophenol
 Concen: 105.354 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampleId :
 RO-5-8

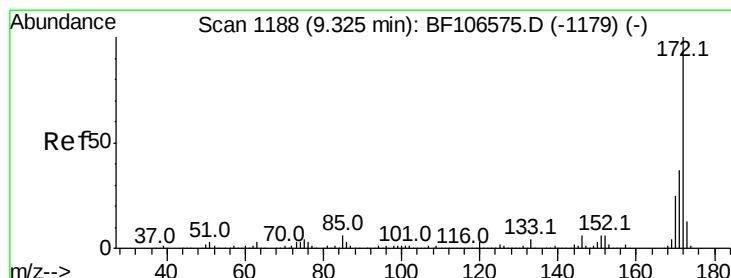
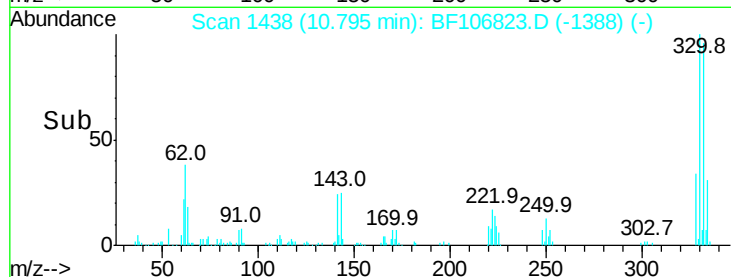
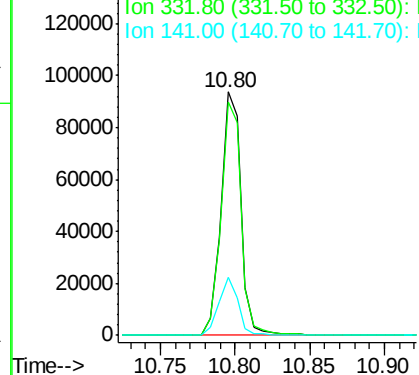
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	23.0	29.9	44.9#

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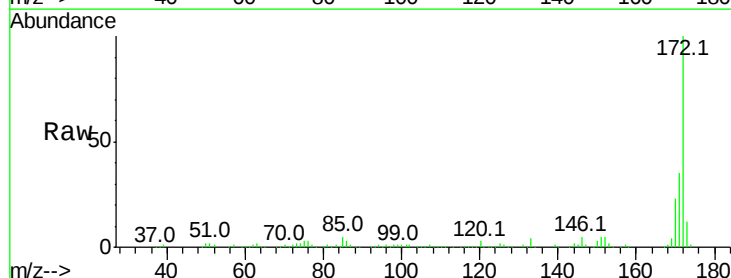


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

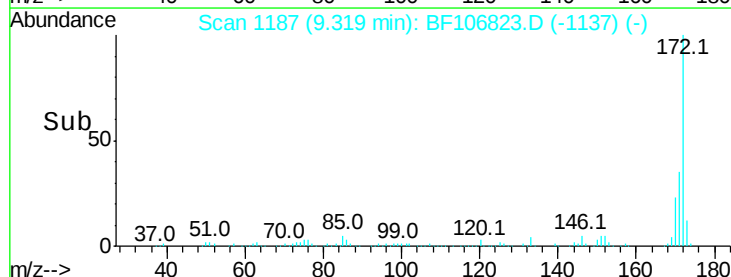
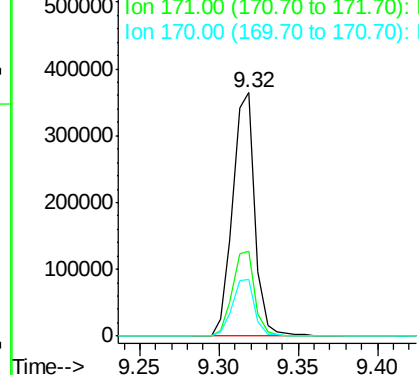


#44
 2-Fluorobiphenyl
 Concen: 83.281 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.5	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





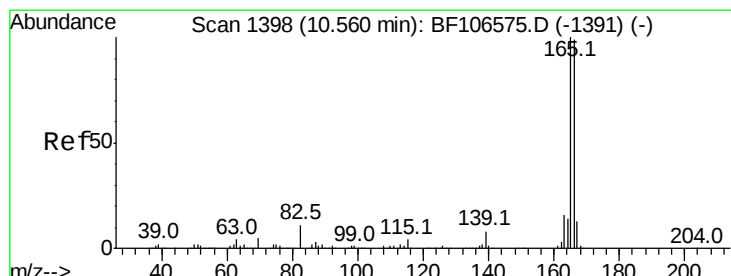
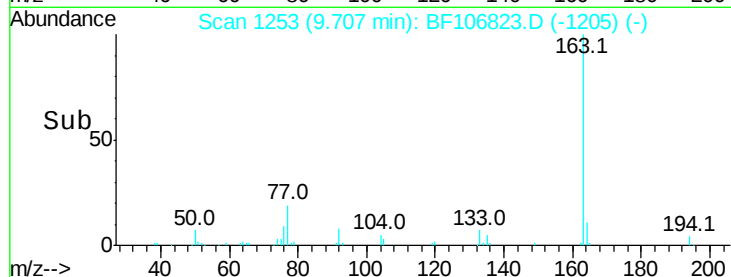
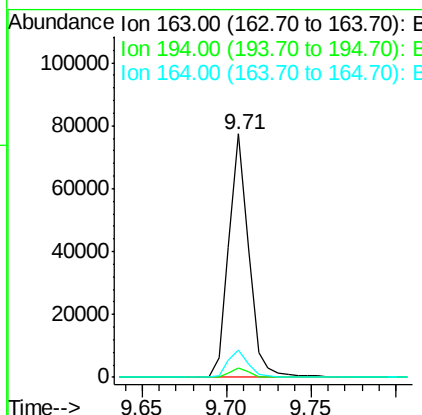
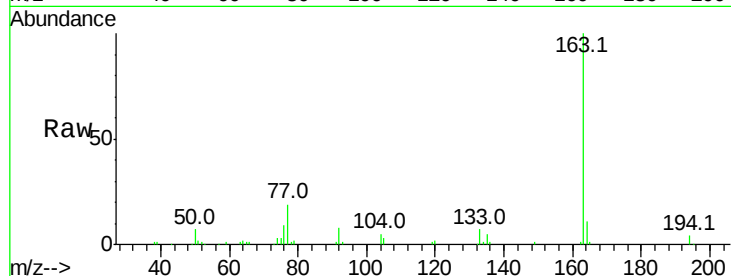
#49
Dimethylphthalate
Concen: 11.816 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
RO-5-8

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	11.3	8.2	12.2

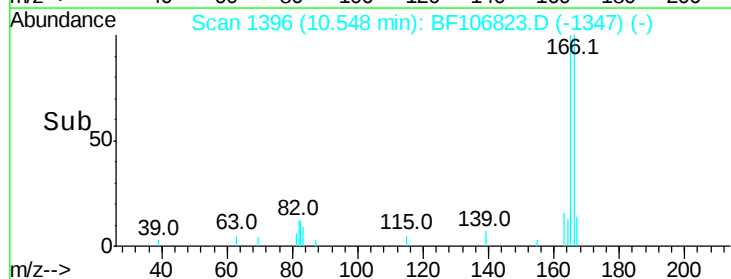
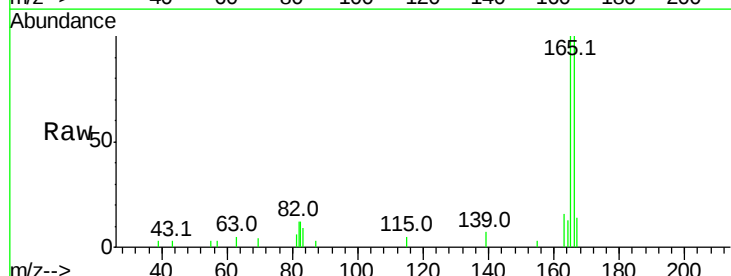
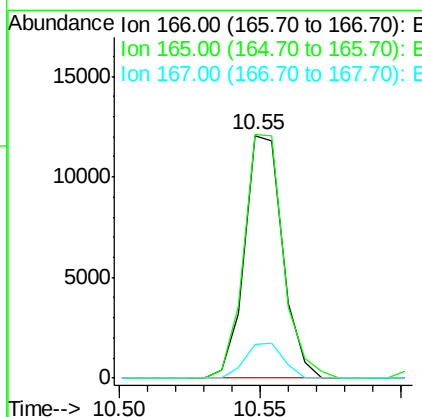
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#57
Fluorene
Concen: 2.305 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	13.9	10.6	16.0





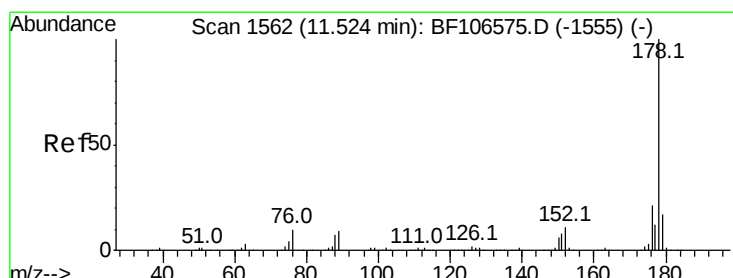
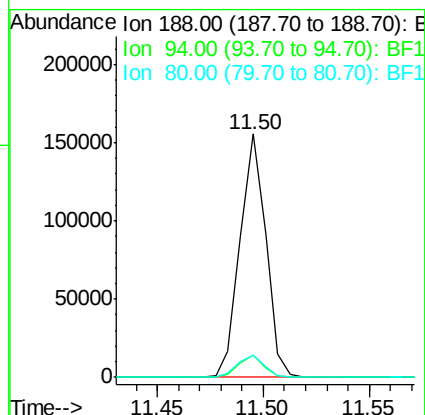
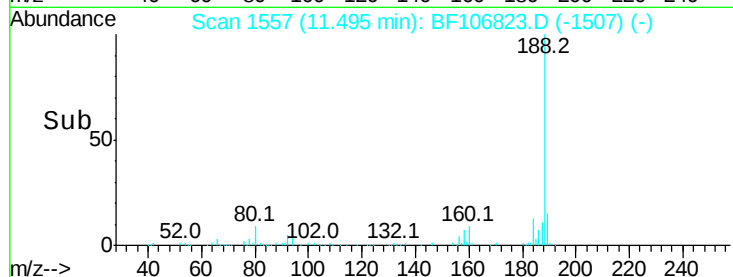
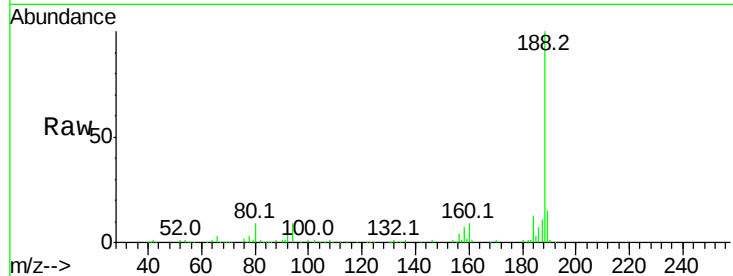
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
RO-5-8

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.1	9.2	13.8#

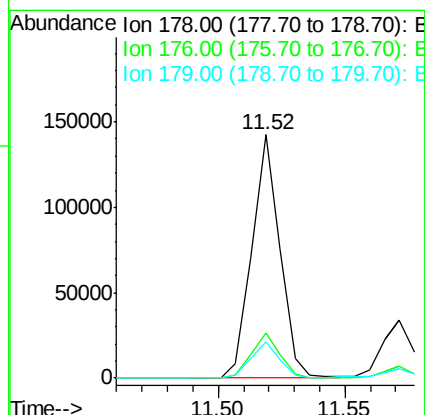
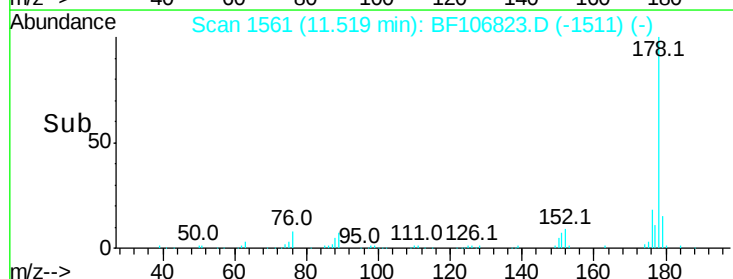
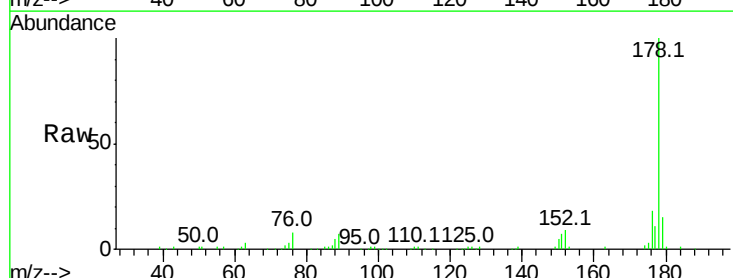
Manual Integrations
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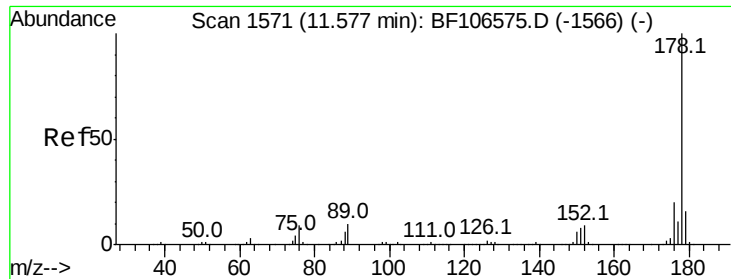
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#70
Phenanthrene
Concen: 17.214 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.0	13.0	19.6





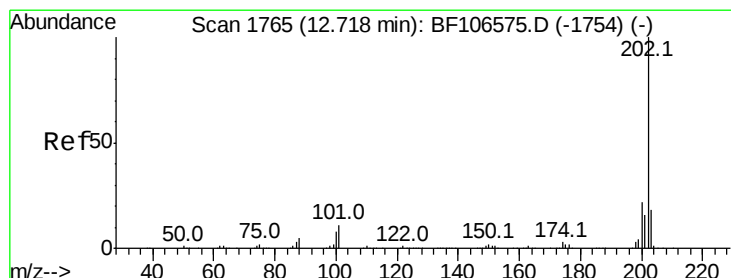
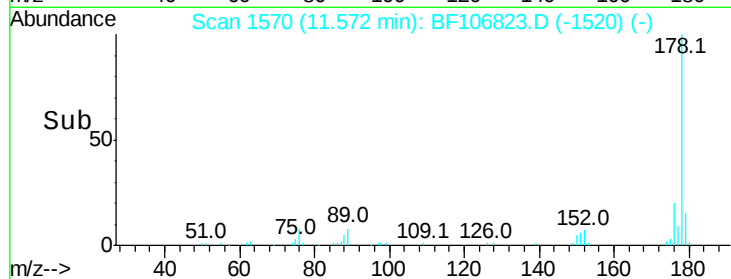
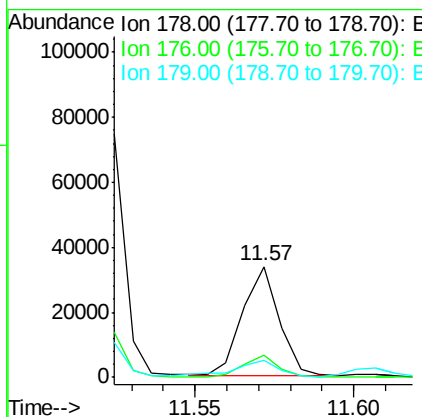
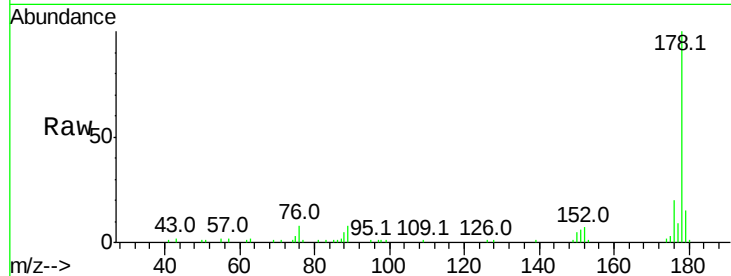
#71
 Anthracene
 Concen: 4.195 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampled :
 RO-5-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.1	12.6	19.0

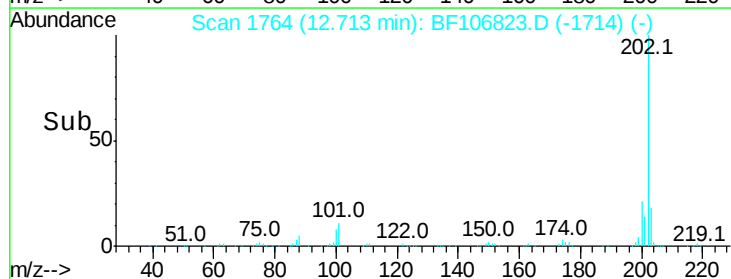
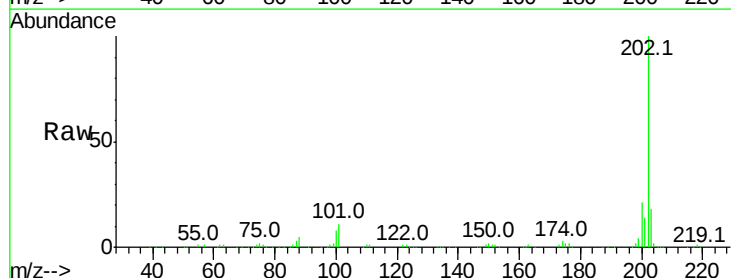
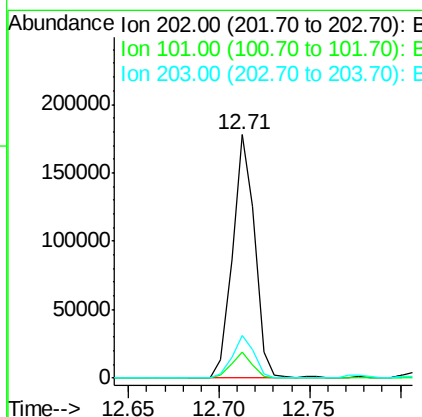
Manual Integrations
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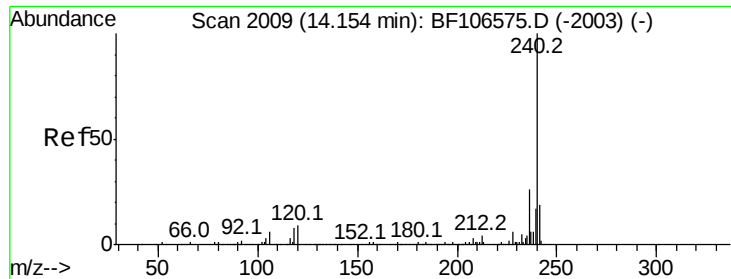
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#74
 Fluoranthene
 Concen: 21.624 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106823.D

Acq: 26 Jun 2018 15:28

Instrument :

BNA_F

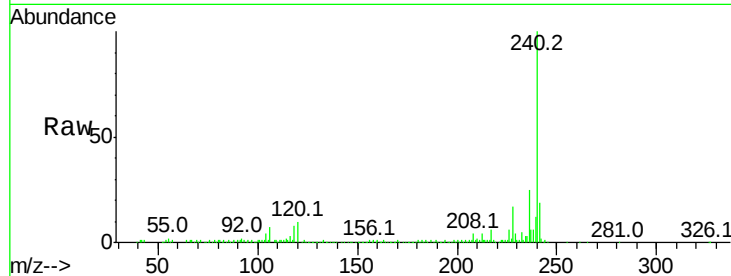
ClientSampled :

RO-5-8

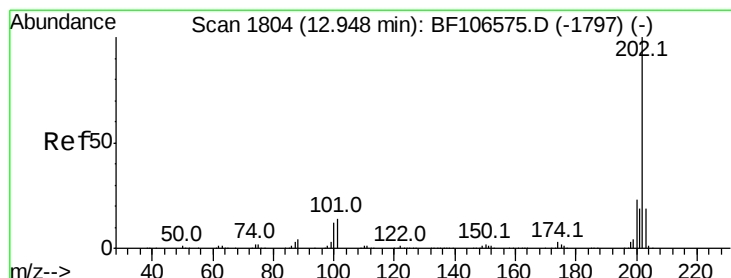
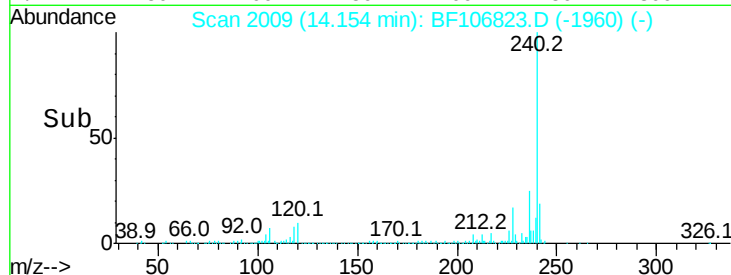
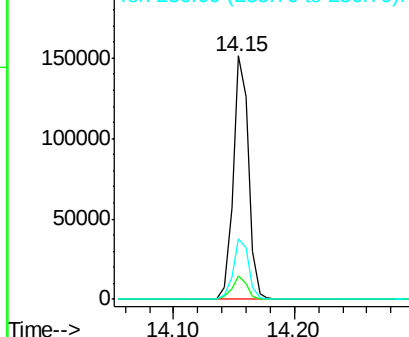
Tot Ion:	240	Resp:	134115
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.1	20.7	31.1

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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: 15.715 ng

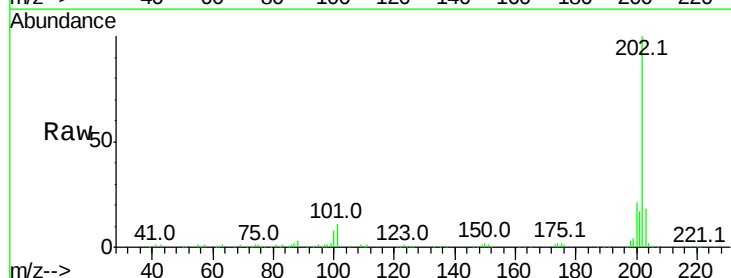
RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

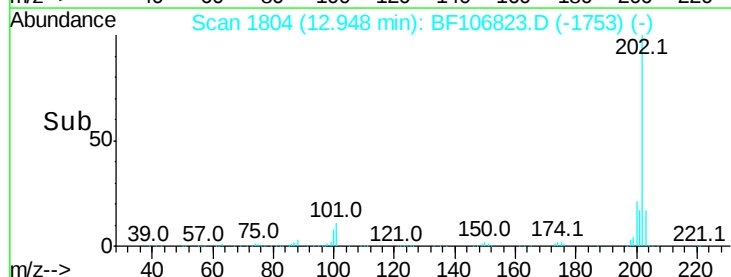
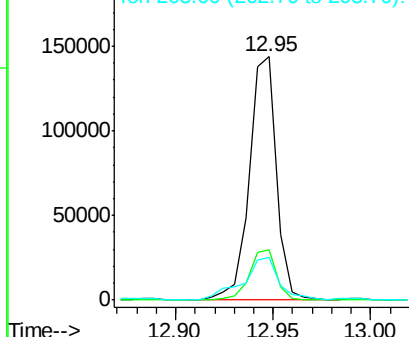
Lab File: BF106823.D

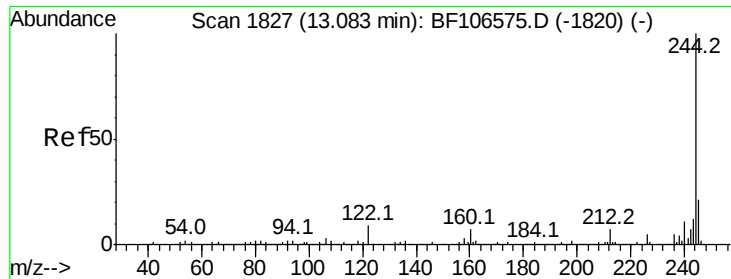
Acq: 26 Jun 2018 15:28

Tgt Ion:	202	Resp:	138980
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.7	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





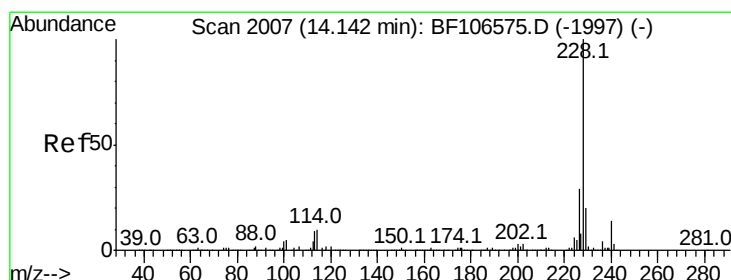
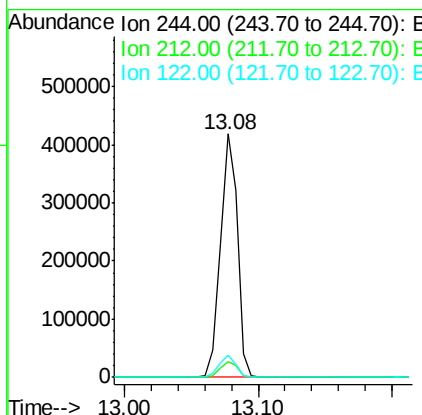
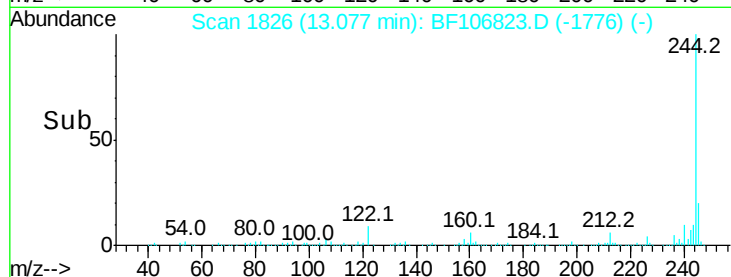
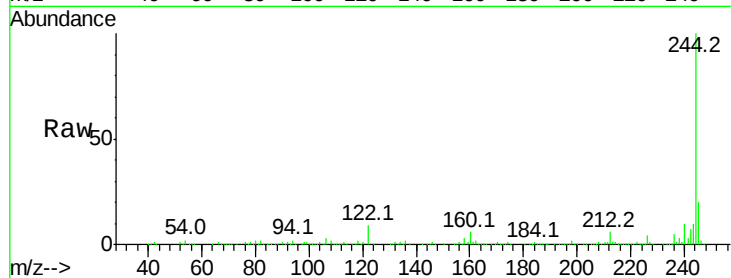
#78
 Terphenyl-d14
 Concen: 68.014 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampled :
 RO-5-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.1	11.0	16.4

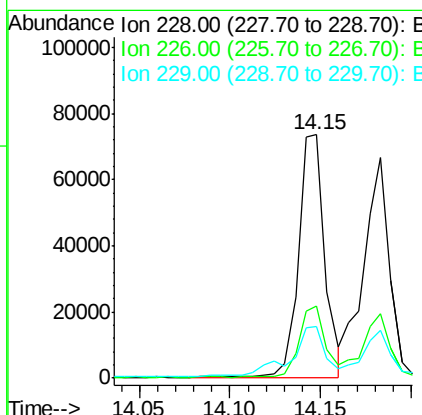
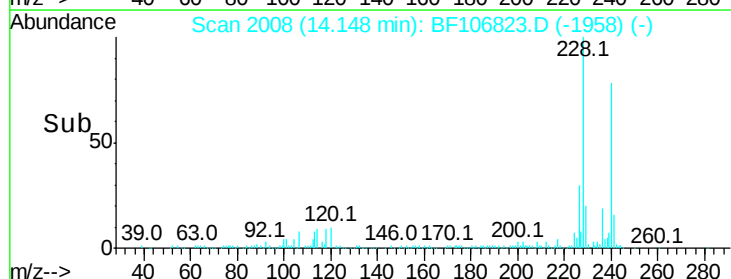
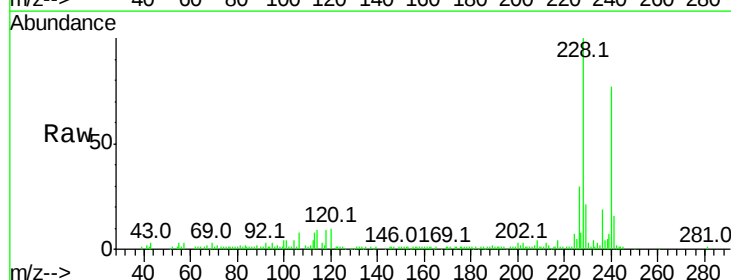
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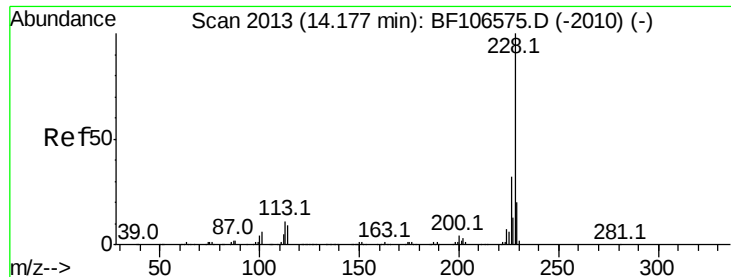
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#80
 Benzo(a)anthracene
 Concen: 9.358 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF106823.D
 Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.1	15.8	23.6





#82

Chrysene

Concen: 8.947 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF106823.D

Acq: 26 Jun 2018 15:28

Instrument :

BNA_F

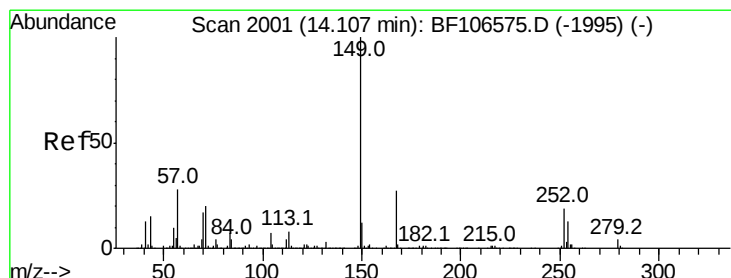
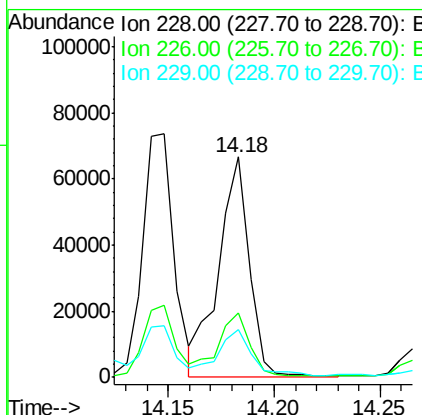
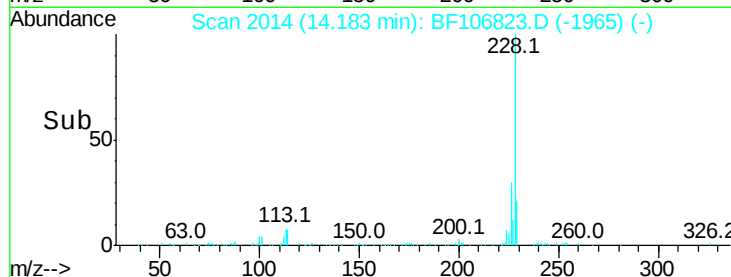
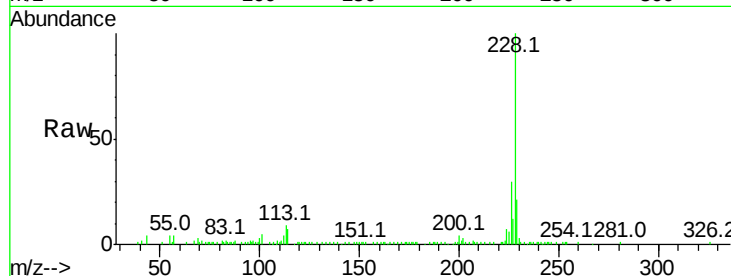
ClientSampled :

RO-5-8

Tot Ion:	228	Resp:	67284
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.5	16.2	24.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.702 ng

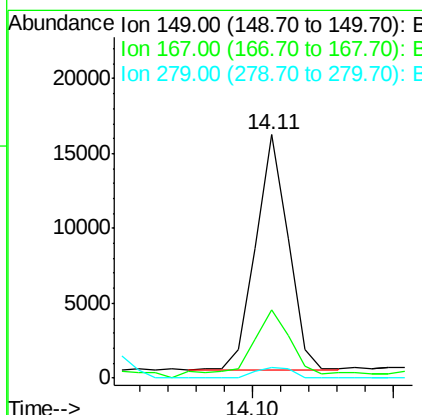
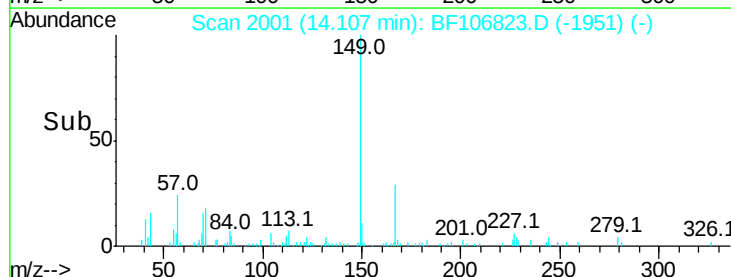
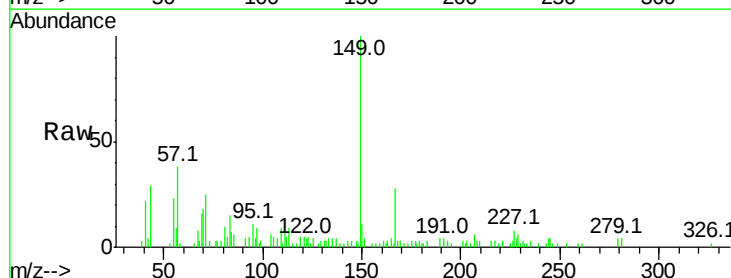
RT: 14.11 min Scan# 2001

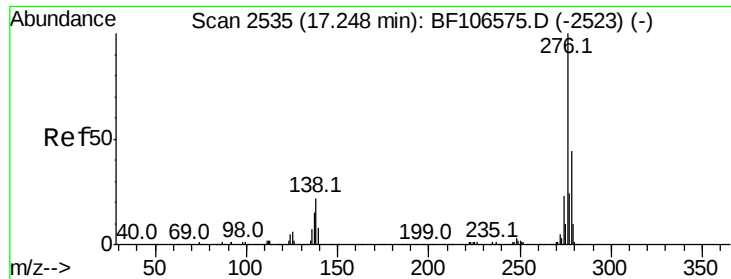
Delta R.T. -0.01 min

Lab File: BF106823.D

Acq: 26 Jun 2018 15:28

Tgt Ion:	149	Resp:	12560
Ion Ratio	Lower	Upper	
149	100		
167	28.3	21.3	31.9
279	4.2	3.0	4.4





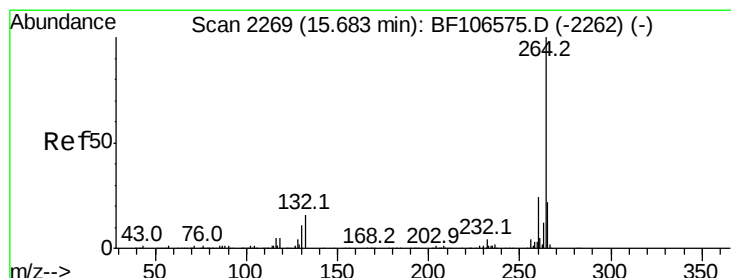
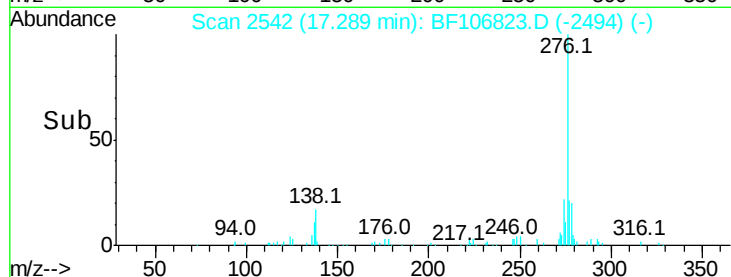
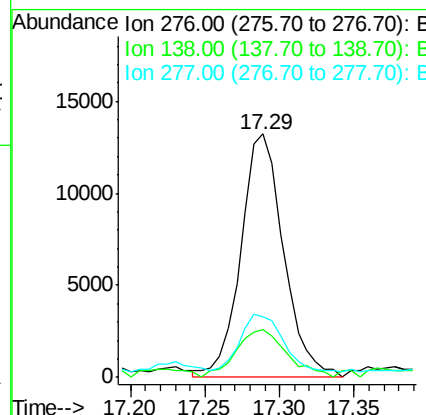
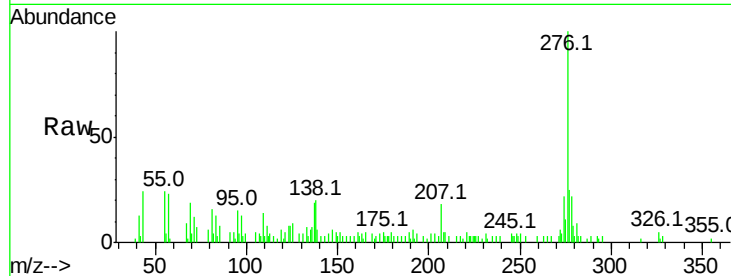
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.124 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampleId :
RO-5-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	24.6	20.1	30.1

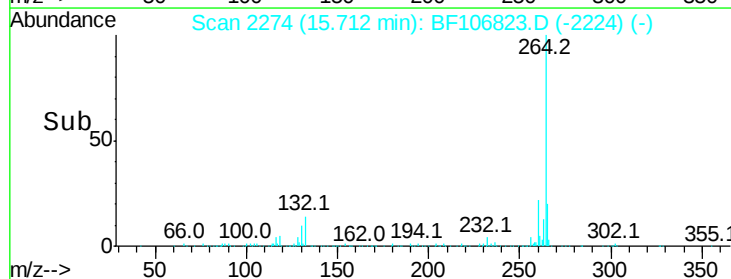
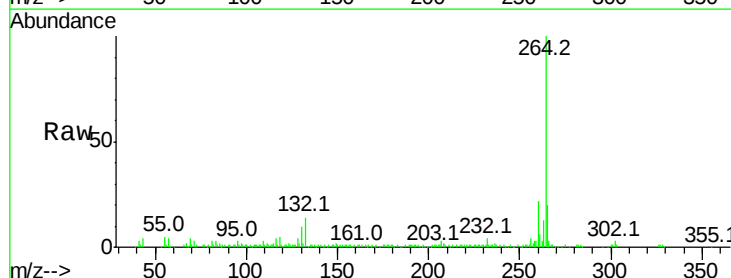
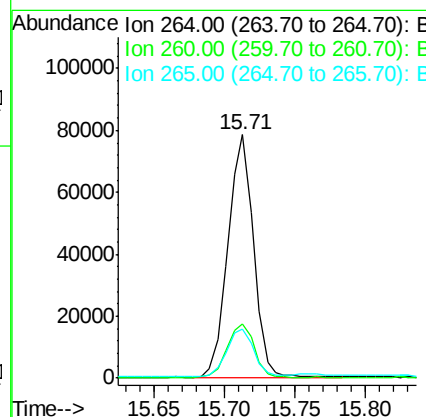
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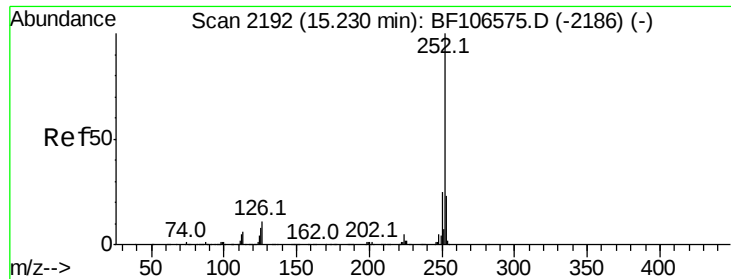
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	20.3	17.5	26.3





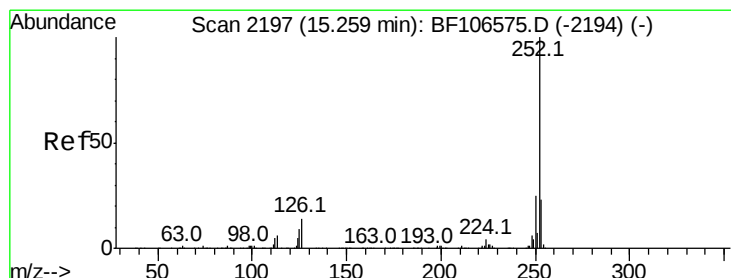
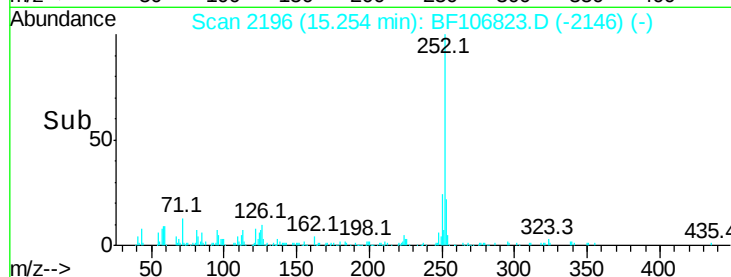
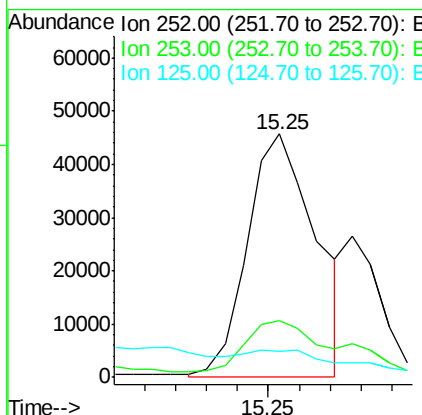
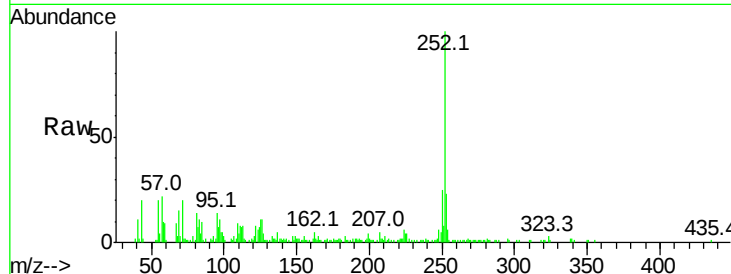
#87
Benzo(b)fluoranthene
Concen: 11.320 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
RO-5-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.8	9.0	13.6

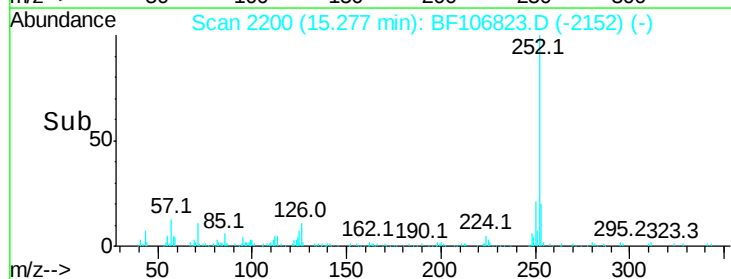
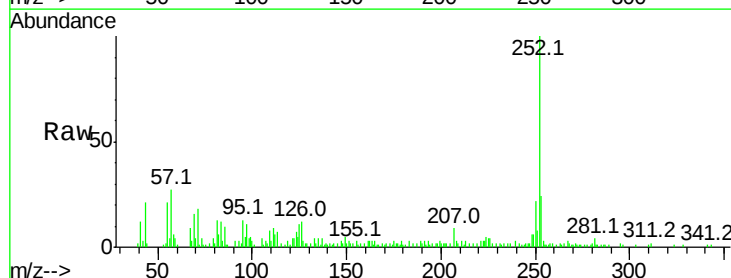
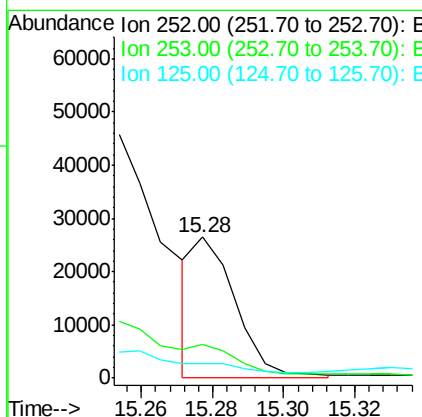
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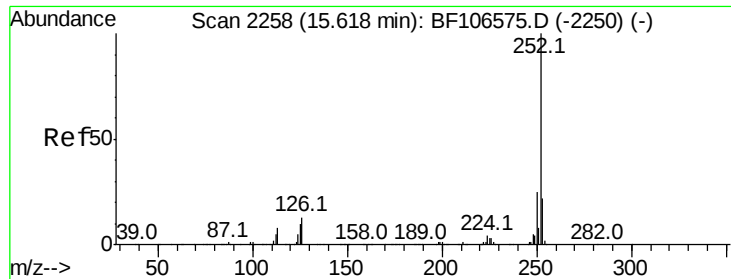
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#88
Benzo(k)fluoranthene
Concen: 3.701 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.7	10.2	15.2





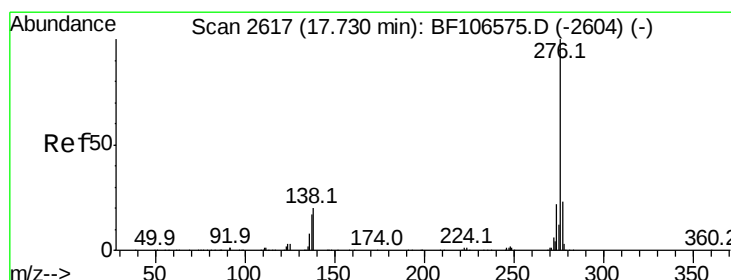
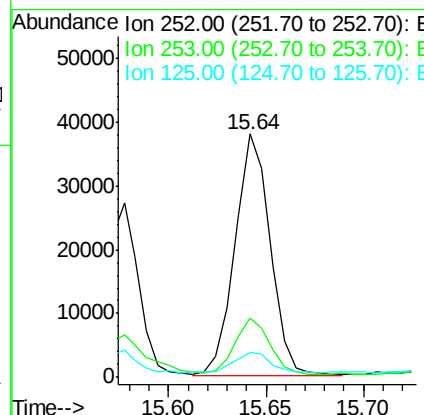
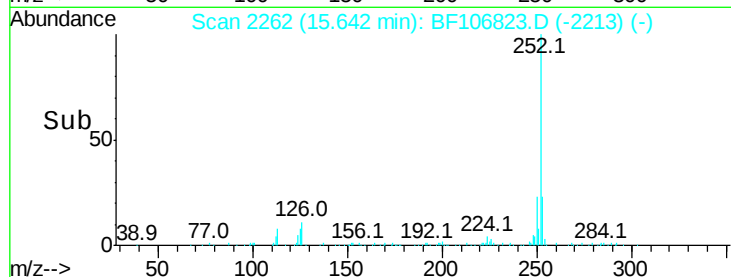
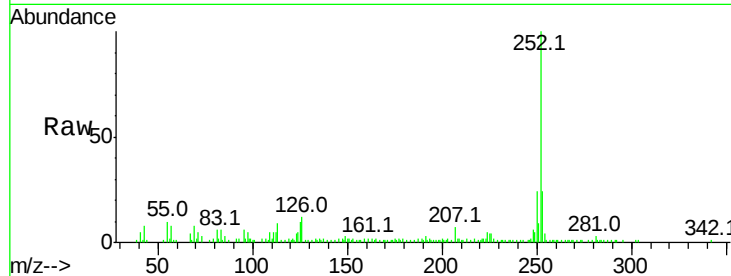
#89
Benzo(a)pyrene
Concen: 8.570 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
RO-5-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	10.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.706 ng
RT: 17.77 min Scan# 2624
Delta R.T. -0.02 min
Lab File: BF106823.D
Acq: 26 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	21.8	21.8	32.8#

