

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104123.D
 Acq On : 31 Mar 2018 5:51
 Operator : JU/SJ
 Sample : J2122-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-15-COMP

Manual Integrations
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Sohil
 4/2/2018 5:06:24 PM

Quant Time: Apr 02 01:11:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	102767	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	413087	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	166289	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	260263	20.00	ng	0.00
75) Chrysene-d12	14.14	240	213430	20.00	ng	0.00
86) Perylene-d12	15.69	264	157350	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	579182	89.88	ng	0.01
7) Phenol-d6	6.59	99	747727	94.31	ng	0.00
23) Nitrobenzene-d5	7.52	82	435730	64.51	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	146648	79.20	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	708125	67.15	ng	0.00
78) Terphenyl-d14	13.07	244	538757	58.28	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	52712	4.015	ng	98
70) Phenanthrene	11.52	178	94258	6.689	ng	98
71) Anthracene	11.57	178	38099	2.589	ng	99
74) Fluoranthene	12.71	202	209546	13.990	ng	98
77) Pyrene	12.94	202	210062	13.691	ng	99
80) Benzo(a)anthracene	14.14	228	92910	6.957	ng	96
82) Chrysene	14.17	228	79210	6.056	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	21123	2.262	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.27	276	29557	2.181	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	71573m	7.474	ng	
88) Benzo(k)fluoranthene	15.24	252	39417m	4.370	ng	
89) Benzo(a)pyrene	15.62	252	55052	6.204	ng	# 85
91) Benzo(a,h,i)perylene	17.76	276	26790	3.260	ng	93

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

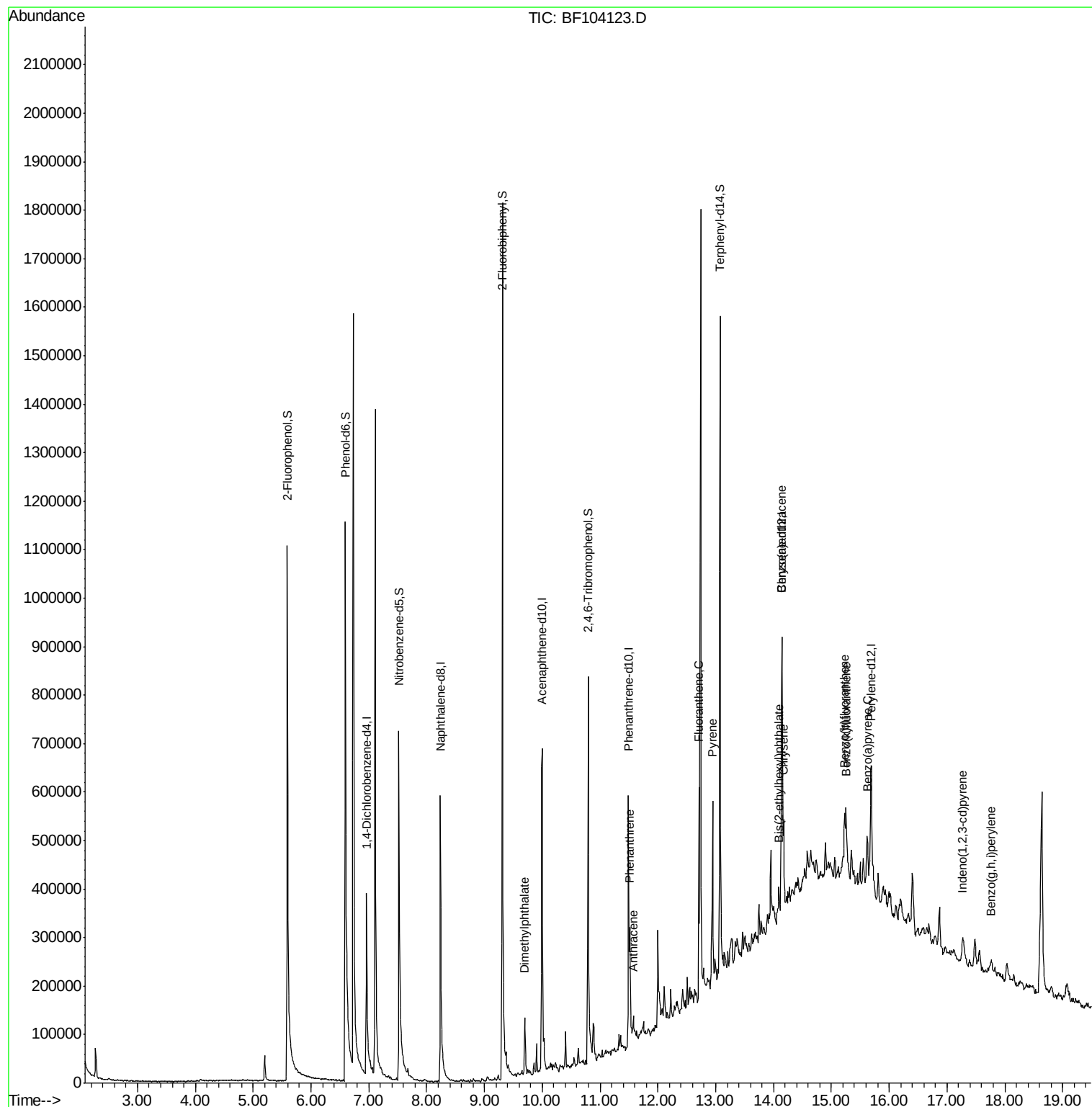
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104123.D
Acq On : 31 Mar 2018 5:51
Operator : JU/SJ
Sample : J2122-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

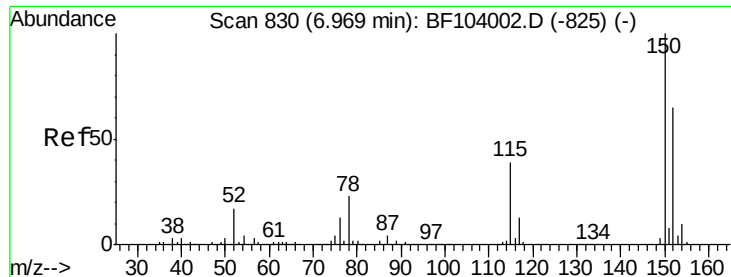
Instrument :
BNA_F
ClientSampleId :
PB-15-COMP

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Sohil
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#1

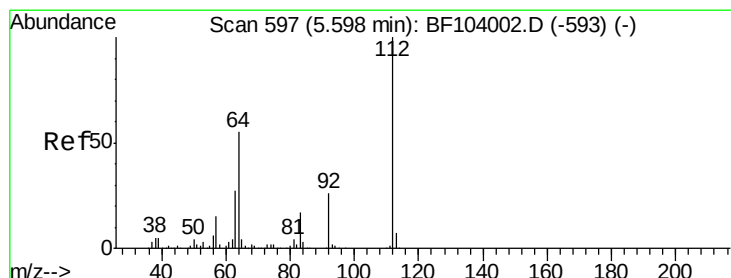
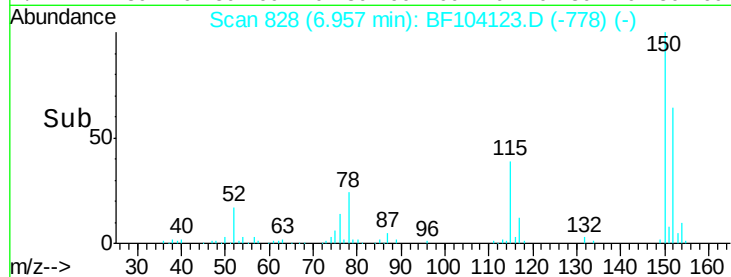
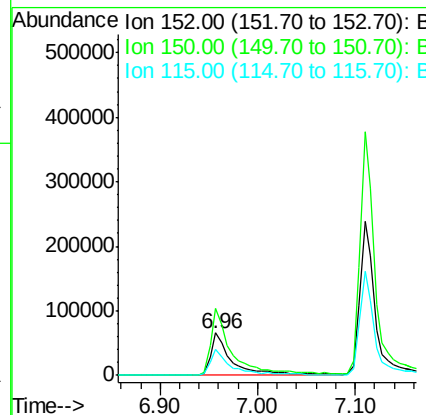
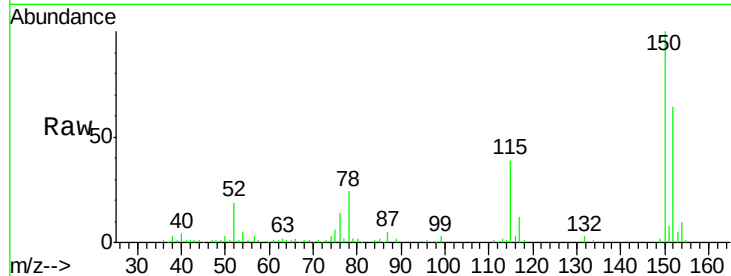
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampled :
PB-15-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.0	50.1	75.1

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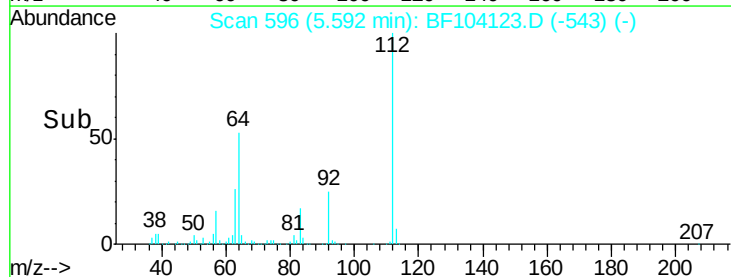
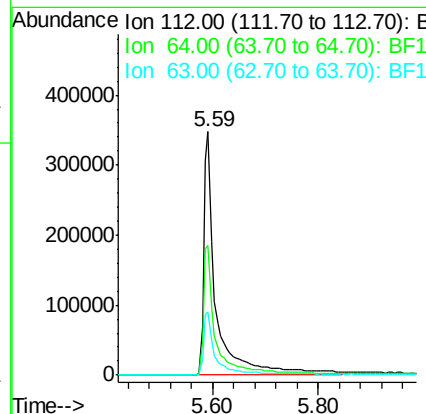
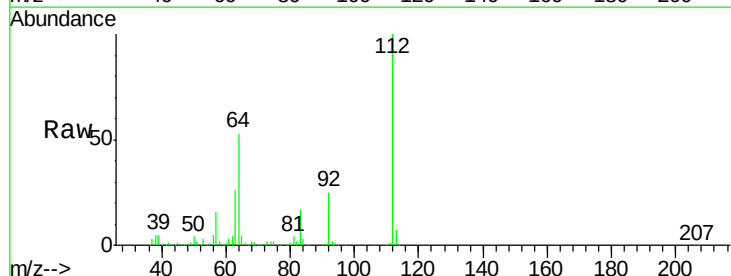
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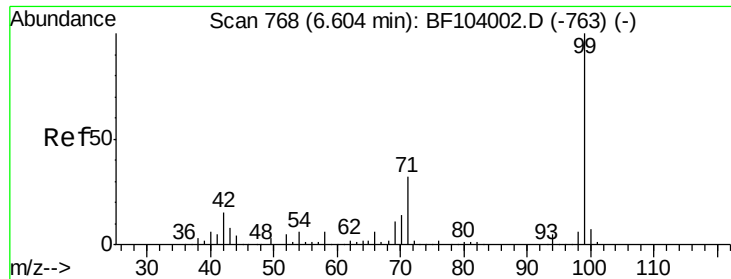


#5

2-Fluorophenol
Concen: 89.878 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 94.313 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

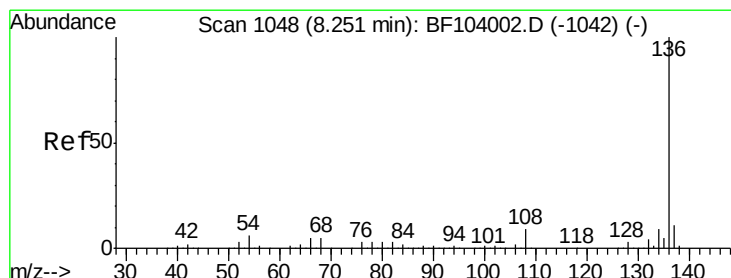
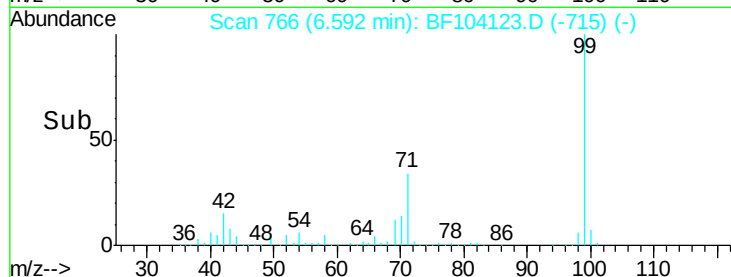
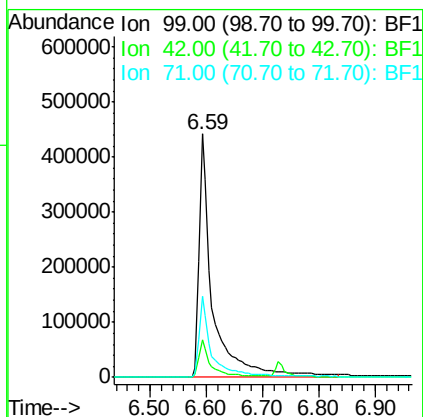
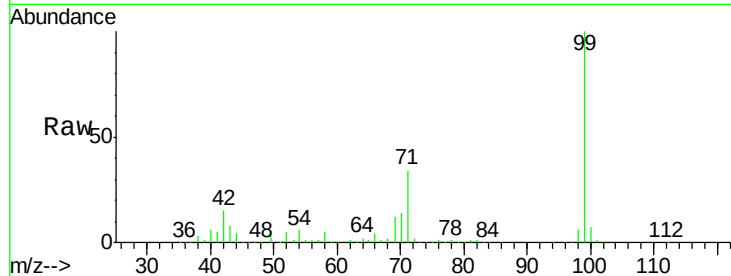
ClientSampleId :

PB-15-COMP

Tot Ion:	99	Resp:	747727
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

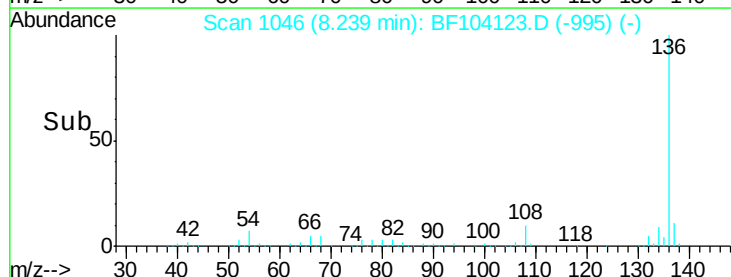
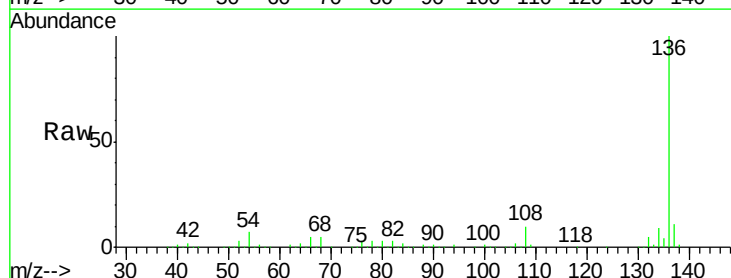
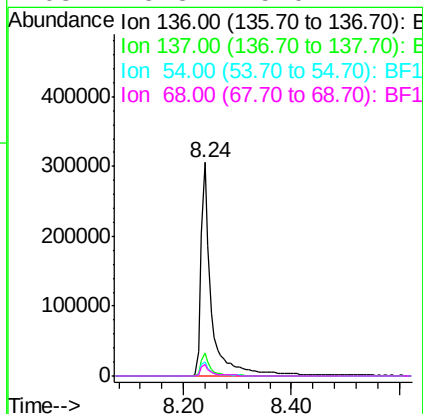
RT: 8.24 min Scan# 1046

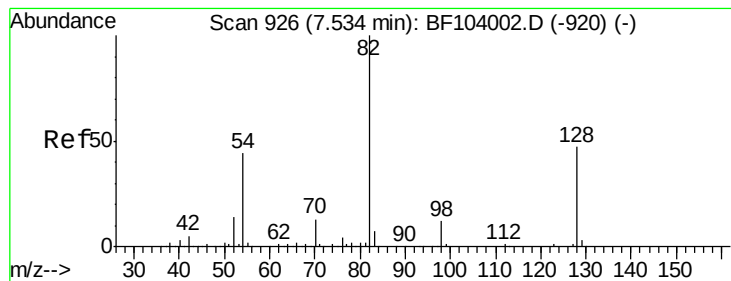
Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tgt Ion:	136	Resp:	413087
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.8	6.6	9.8
68	5.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 64.508 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

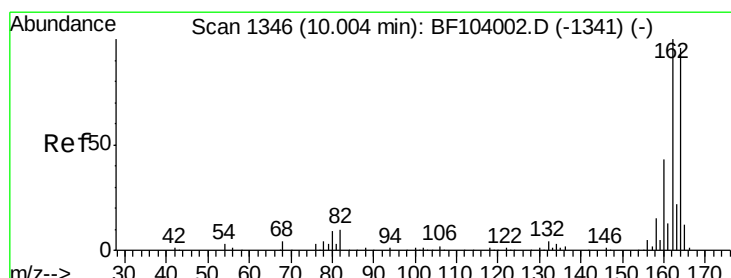
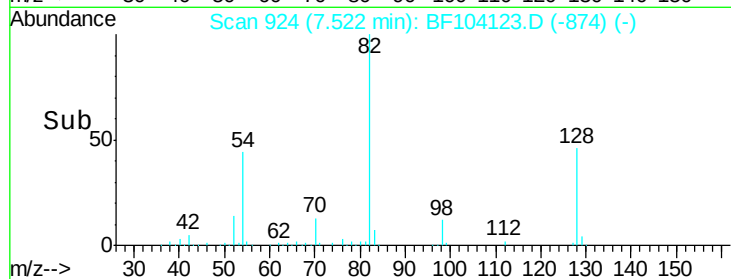
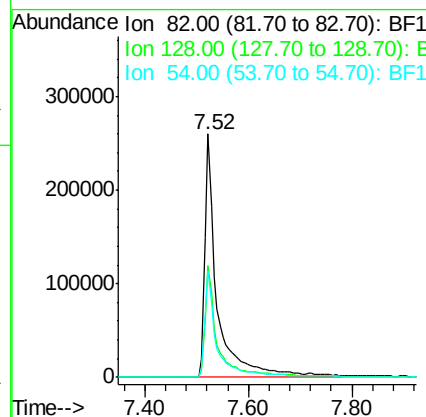
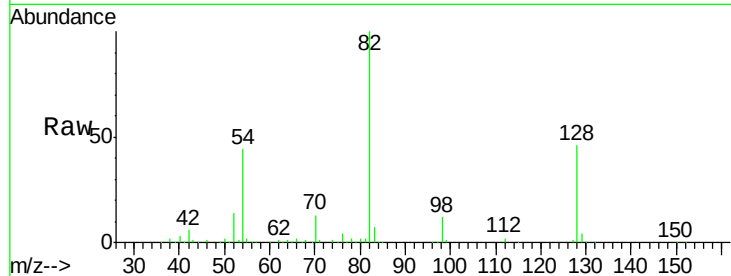
ClientSampleId :

PB-15-COMP

Tot Ion:	82	Resp:	435730
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	43.8	41.4	62.2

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.000 ng

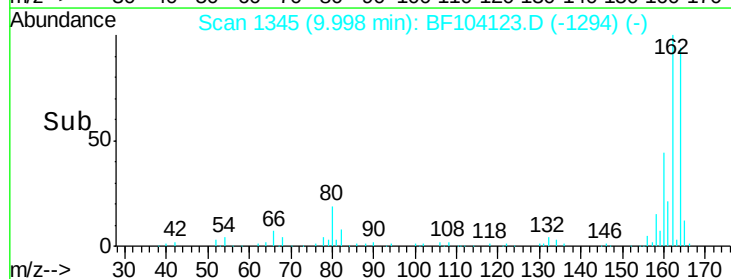
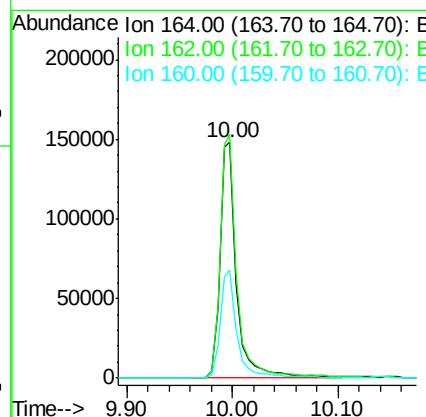
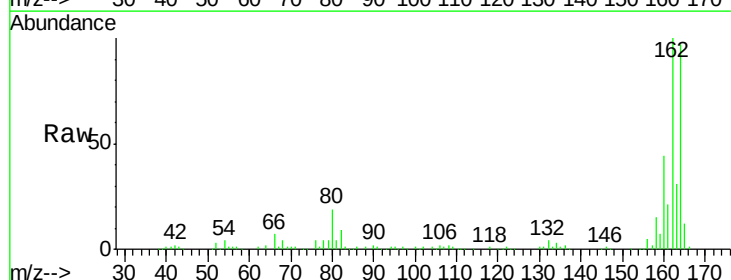
RT: 10.00 min Scan# 1345

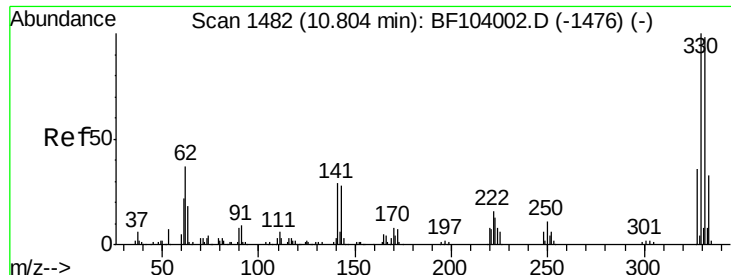
Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tgt Ion:	164	Resp:	166289
Ion Ratio	Lower	Upper	
164	100		
162	103.2	86.1	129.1
160	45.9	38.3	57.5





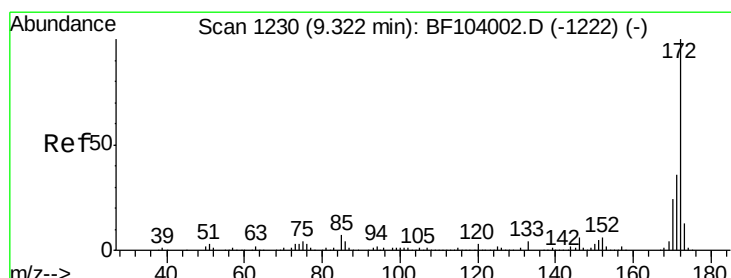
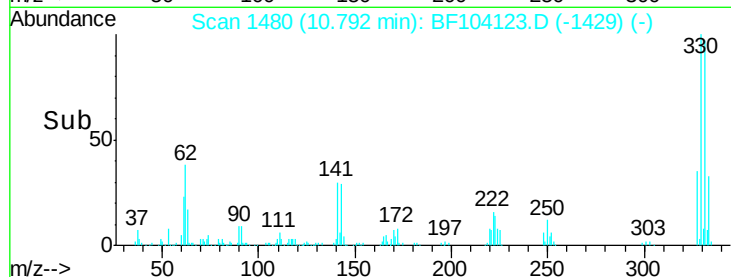
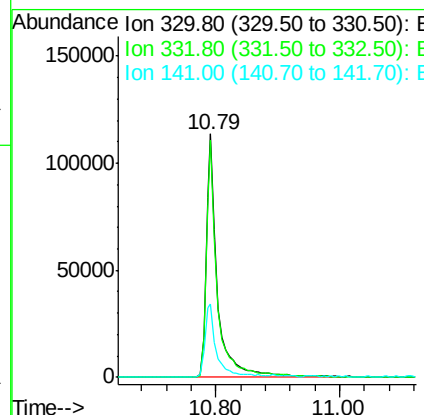
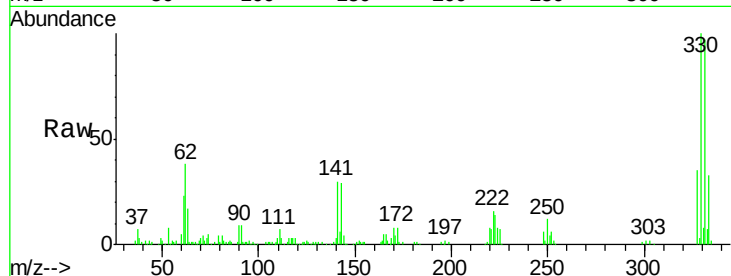
#41
 2,4,6-Tribromophenol
 Concen: 79.199 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Instrument :
 BNA_F
 ClientSampleId :
 PB-15-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	31.8	29.9	44.9

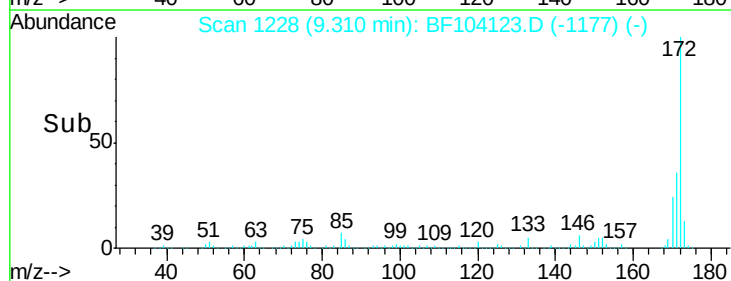
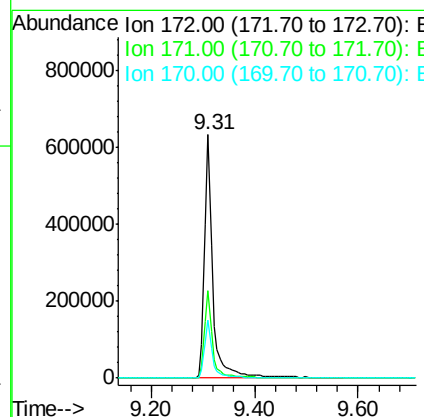
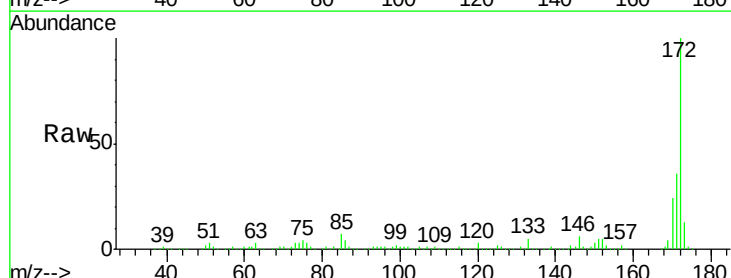
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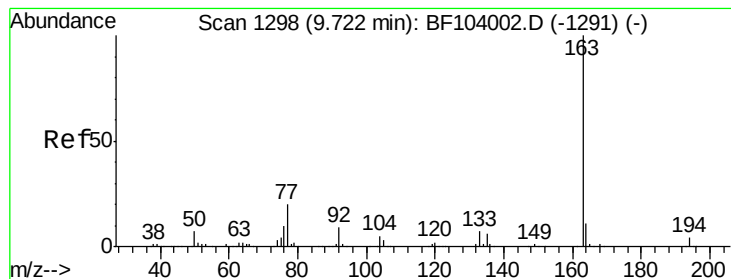
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#44
 2-Fluorobiphenyl
 Concen: 67.151 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

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





#49

Dimethylphthalate

Concen: 4.015 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

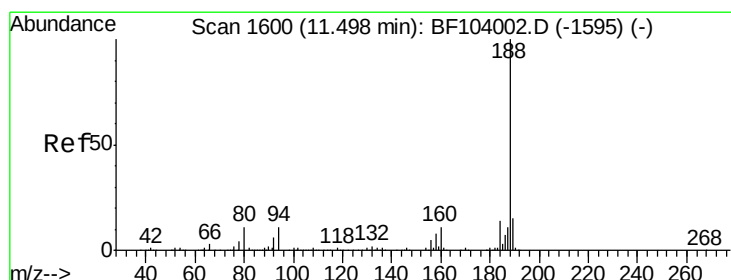
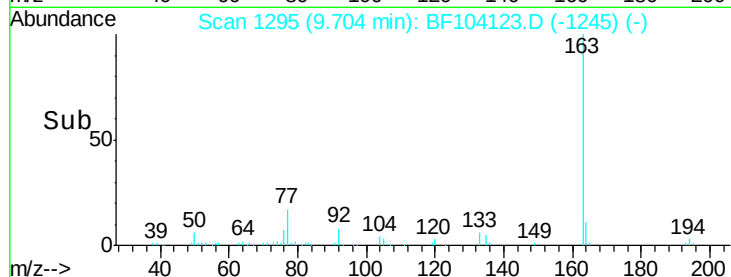
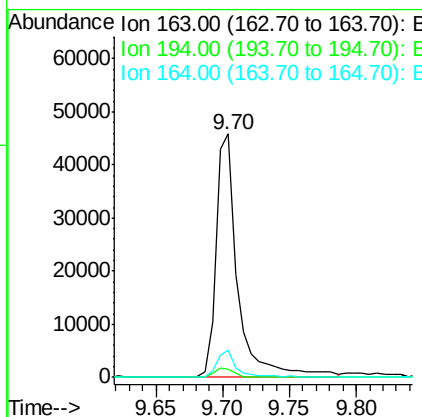
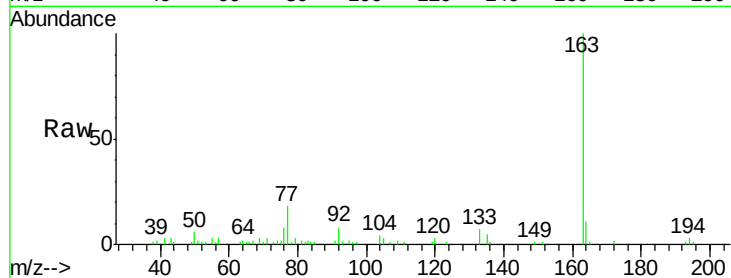
ClientSampleId :

PB-15-COMP

Tot Ion:	163	Resp:	52712
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	11.2	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

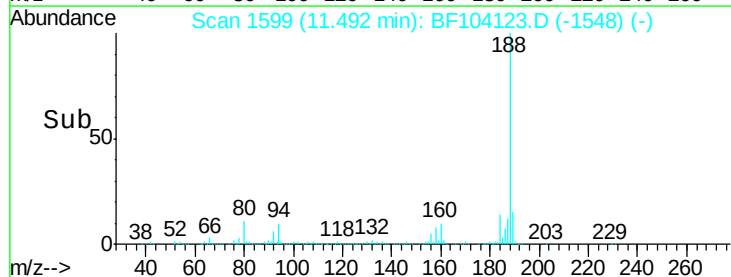
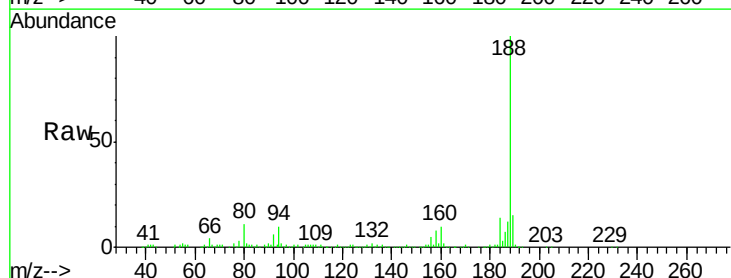
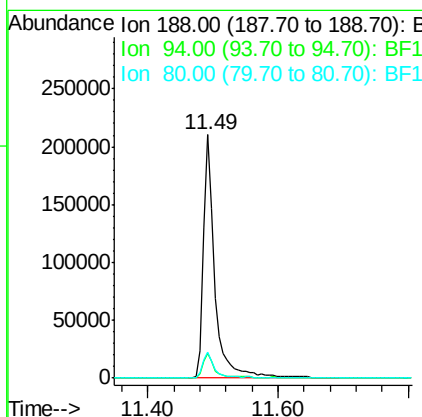
RT: 11.49 min Scan# 1599

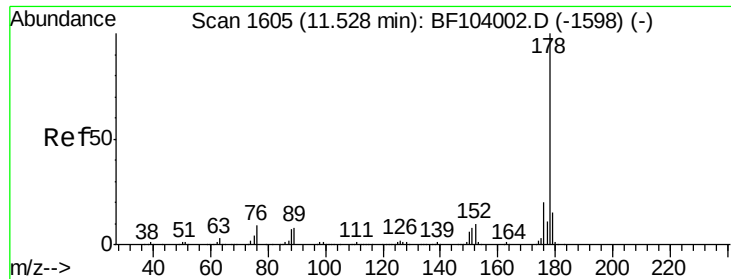
Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tgt Ion:	188	Resp:	260263
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	10.8	9.2	13.8





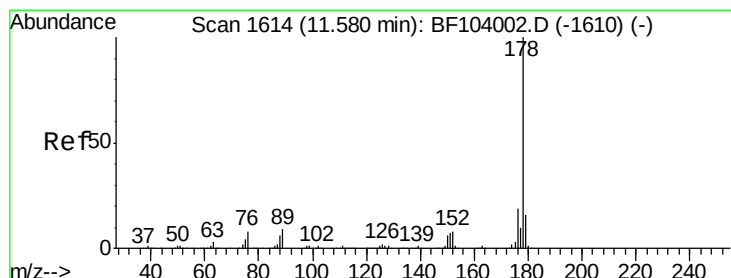
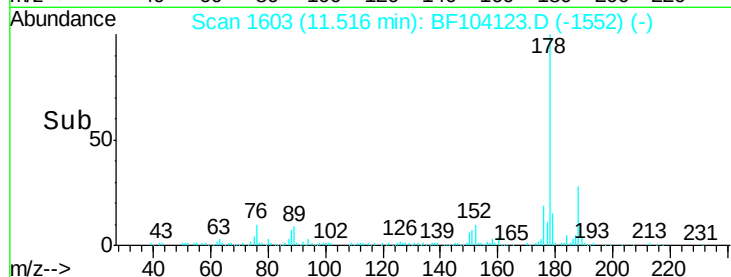
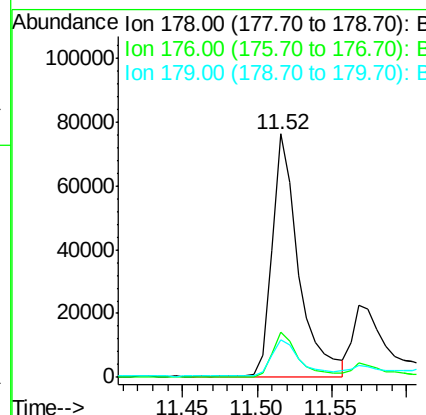
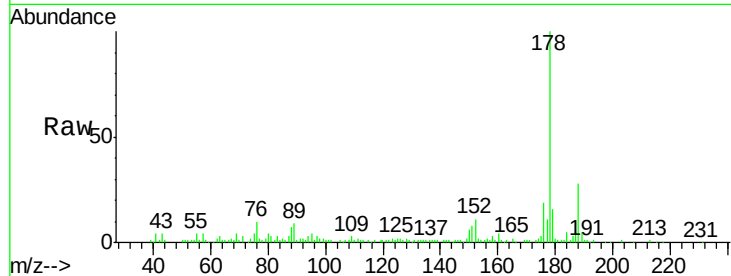
#70
 Phenanthrene
 Concen: 6.689 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Instrument :
 BNA_F
 ClientSampleId :
 PB-15-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.5	13.0	19.6

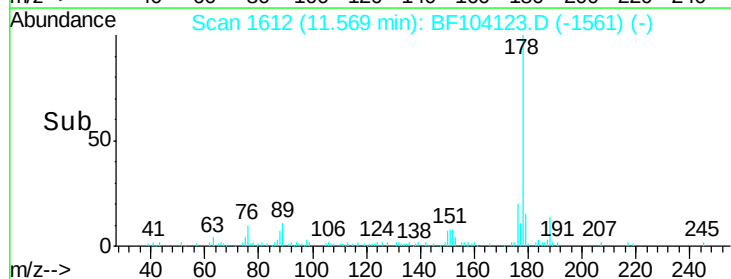
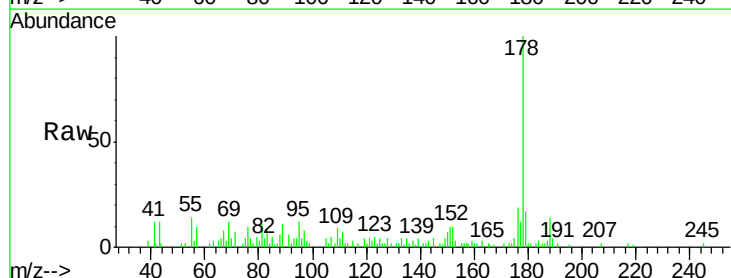
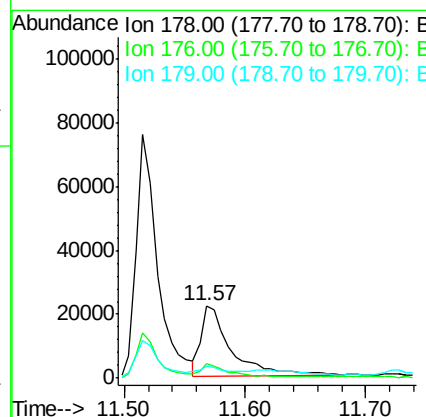
Manual Integrations
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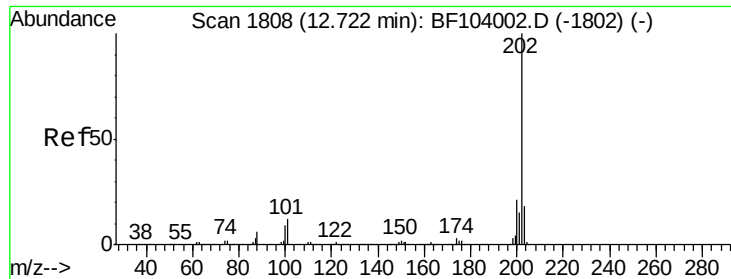
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#71
 Anthracene
 Concen: 2.589 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.8	12.6	19.0





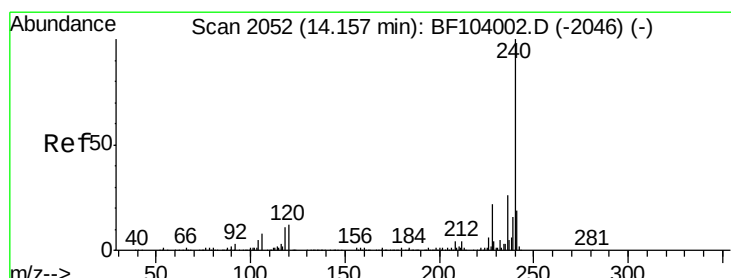
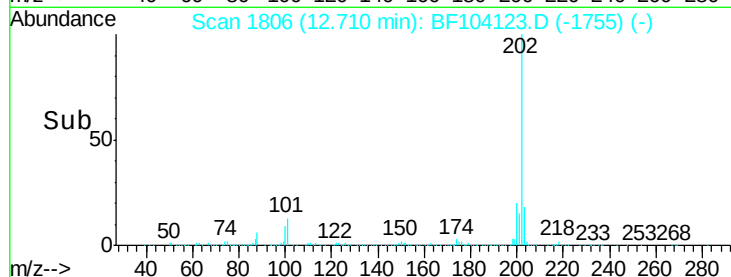
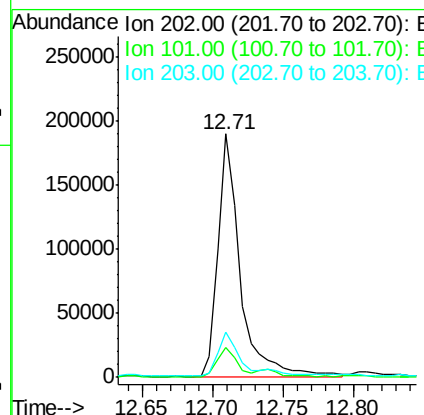
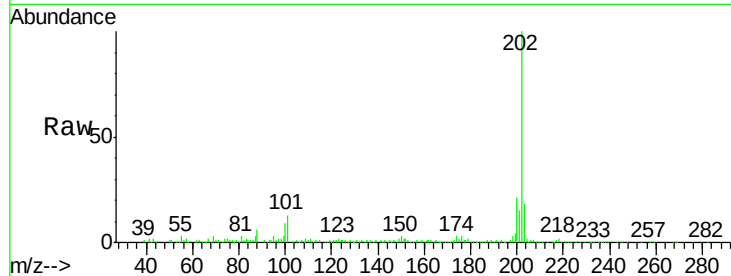
#74
Fluoranthene
Concen: 13.990 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampleId :
PB-15-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	209546		
101	12.5	0.0	34.1	
203	18.4	0.0	38.1	

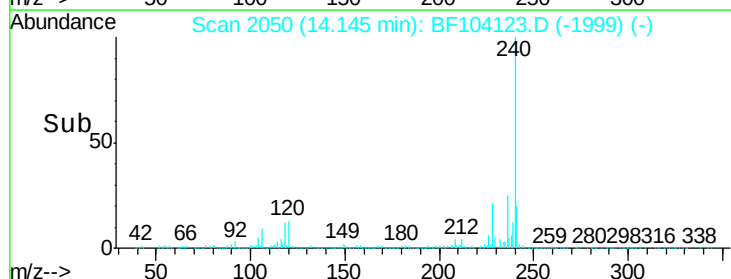
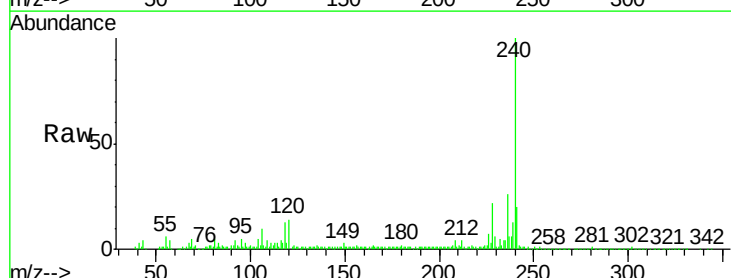
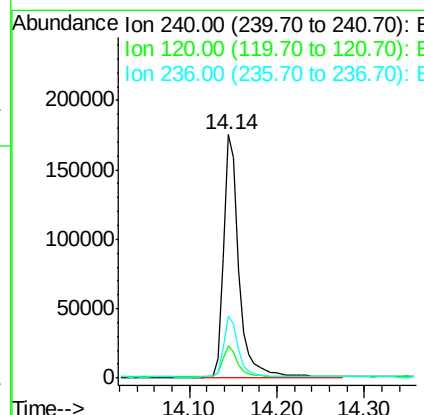
Manual Integrations
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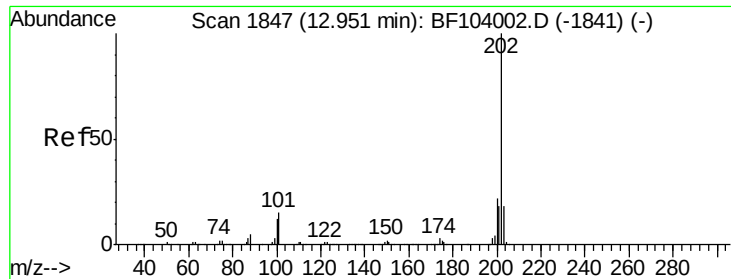
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	213430		
120	13.5	9.5	14.3	
236	25.5	20.7	31.1	





#77

Pvrene

Concen: 13.691 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

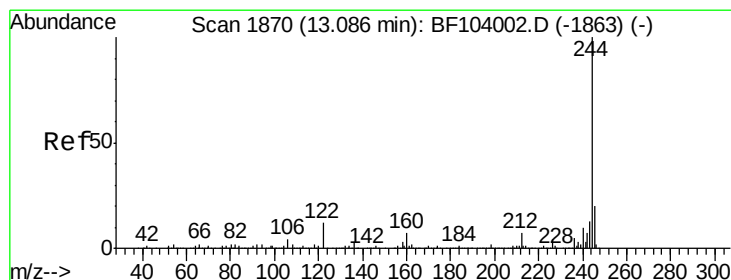
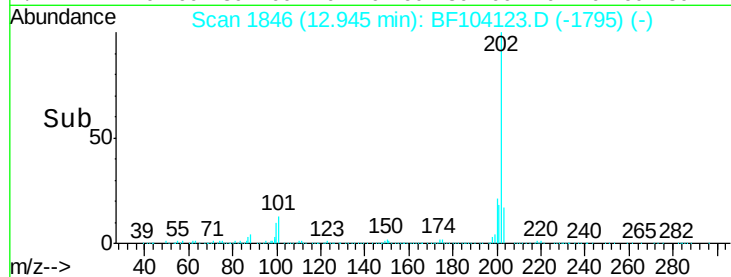
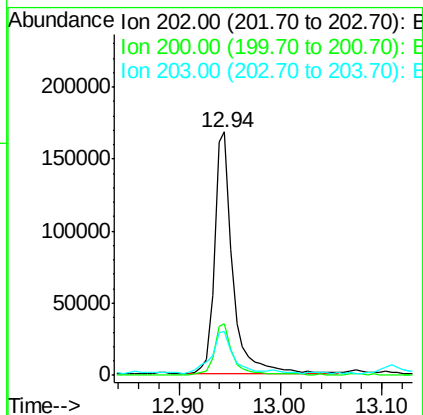
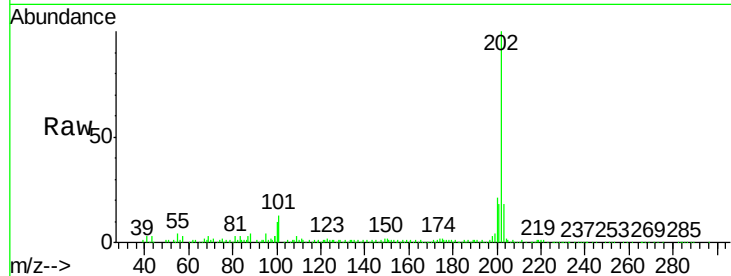
ClientSampleId :

PB-15-COMP

Tot Ion:	202	Resp:	210062
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 58.284 ng

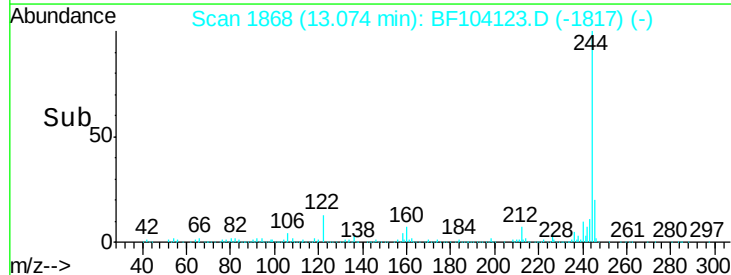
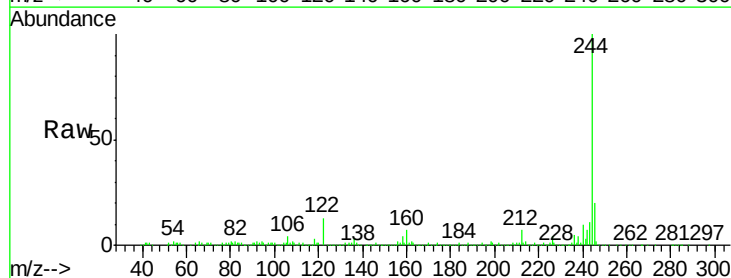
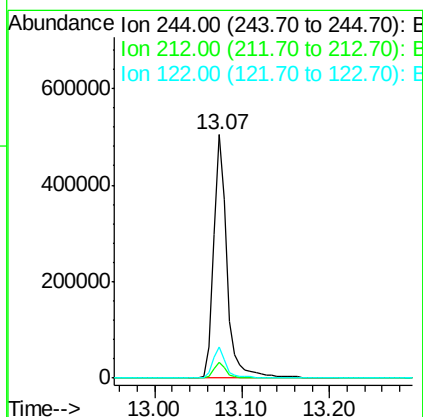
RT: 13.07 min Scan# 1868

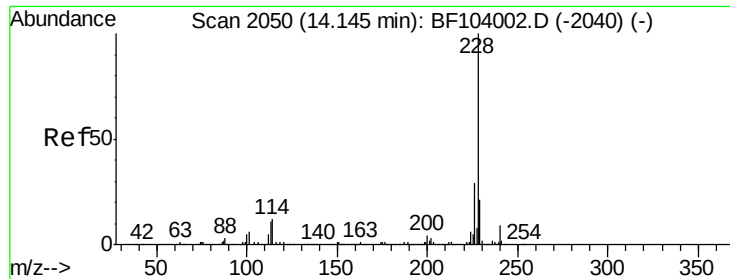
Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tgt Ion:	244	Resp:	538757
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.9	11.0	16.4





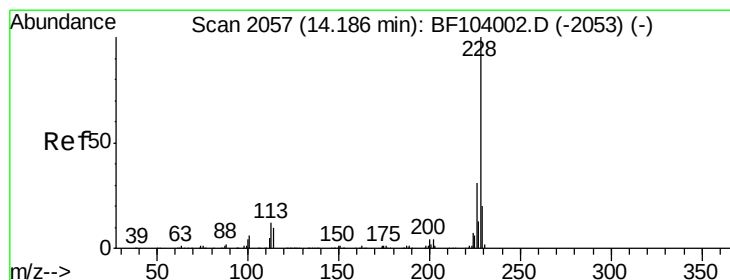
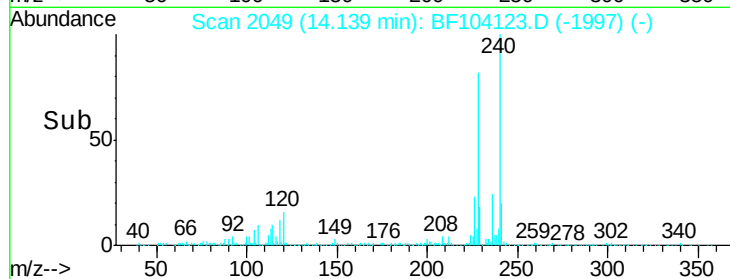
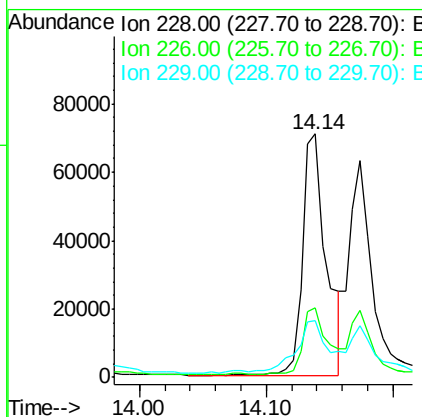
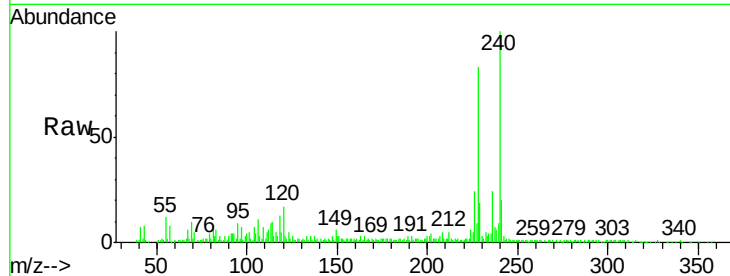
#80
Benzo(a)anthracene
Concen: 6.957 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampleId :
PB-15-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	23.4	15.8	23.6

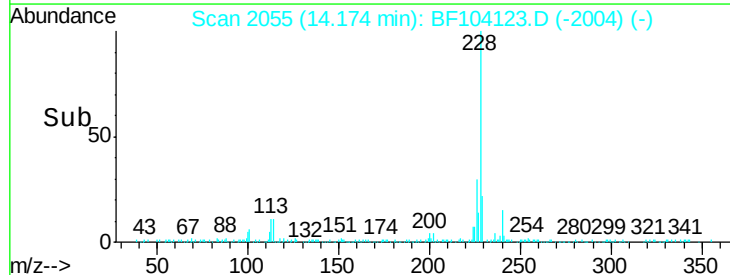
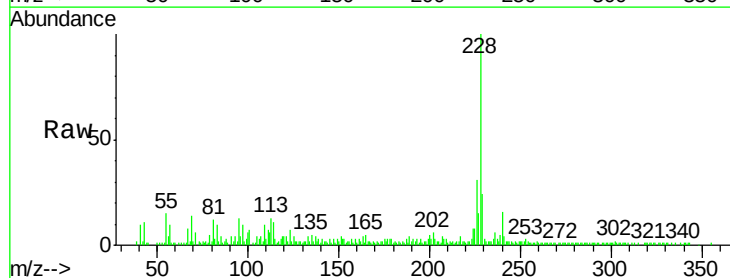
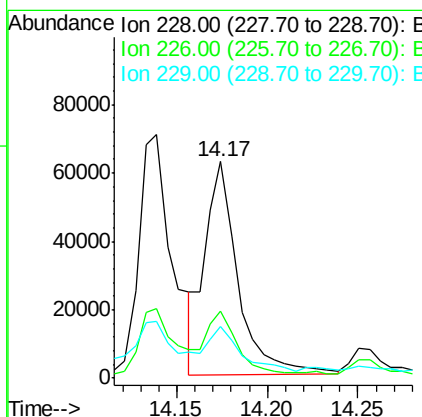
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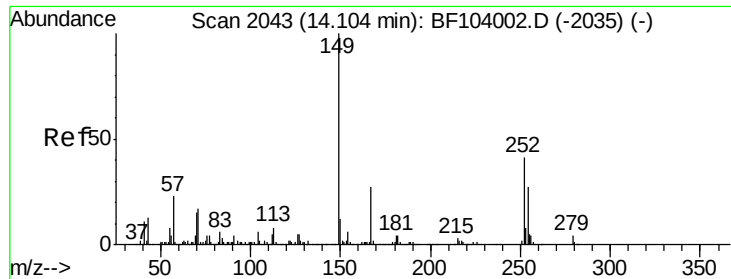
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#82
Chrysene
Concen: 6.056 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	24.1	16.2	24.4





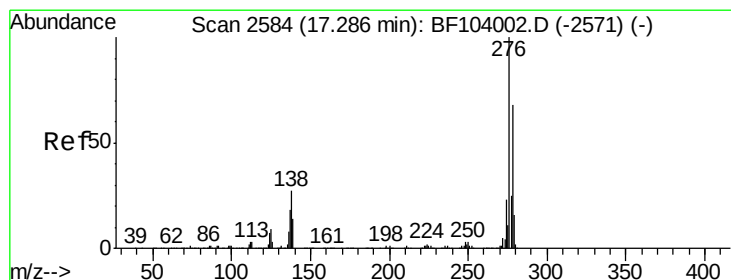
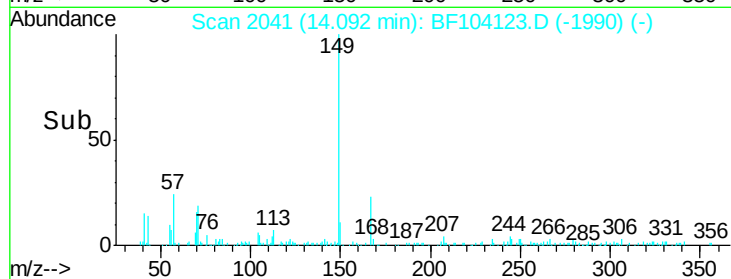
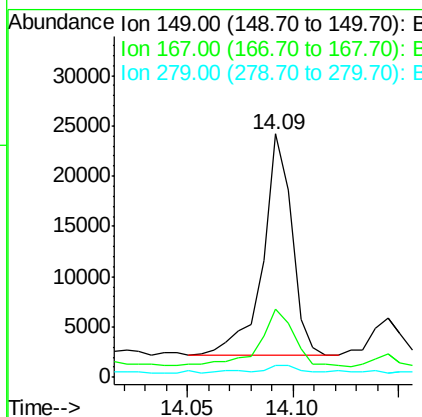
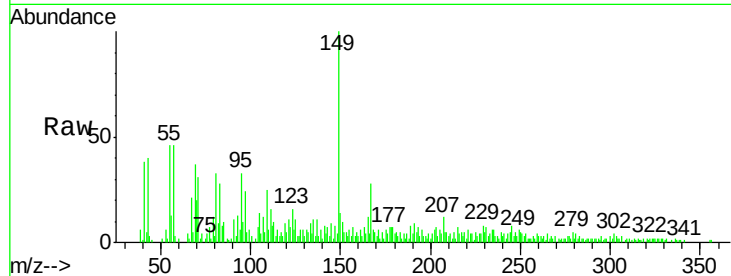
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.262 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Instrument :
 BNA_F
 ClientSampleId :
 PB-15-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.3	31.9
279	4.7	3.0	4.4

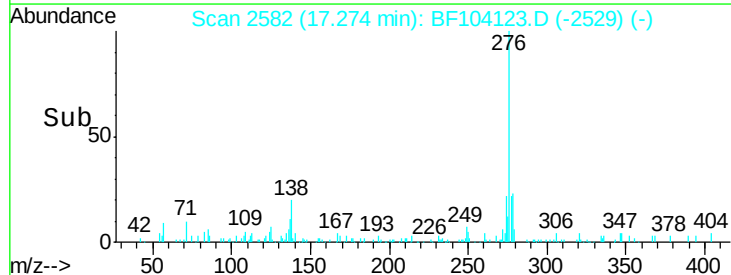
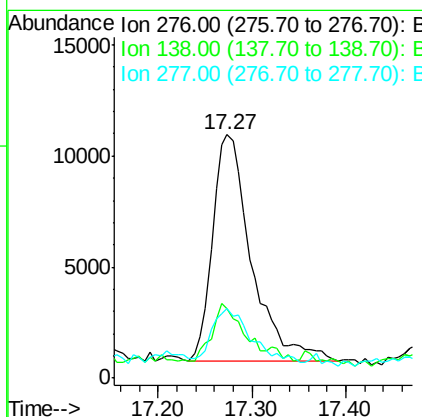
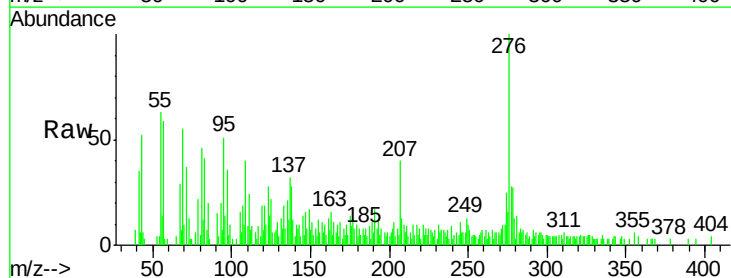
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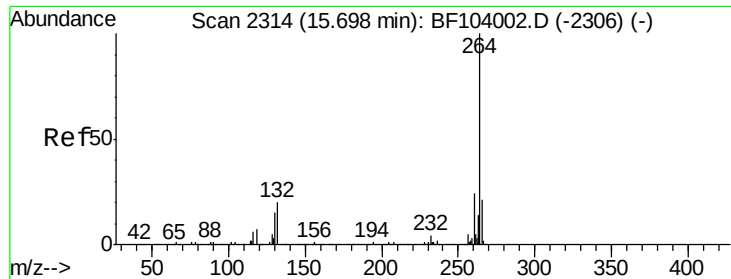
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.181 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. 0.01 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.0	37.6
277	23.9	20.1	30.1





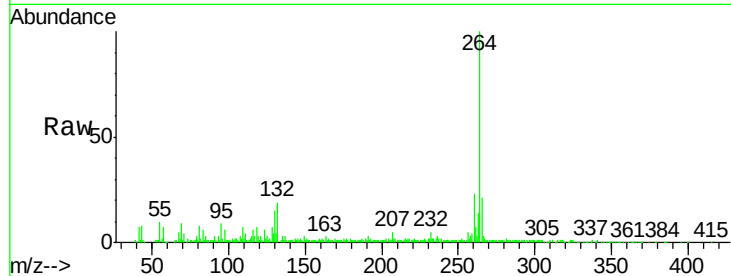
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Instrument :
 BNA_F
 ClientSampled :
 PB-15-COMP

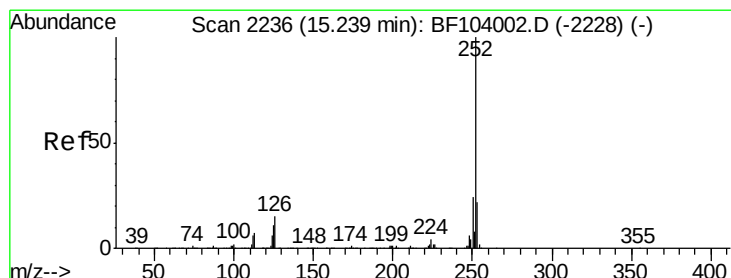
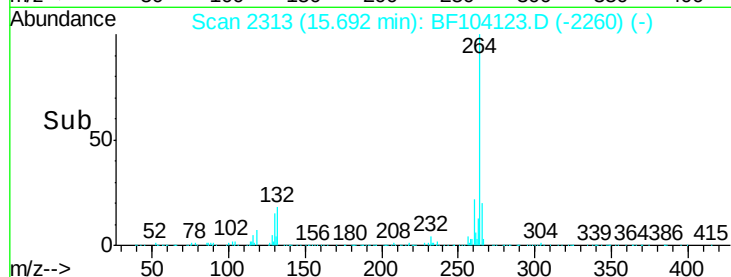
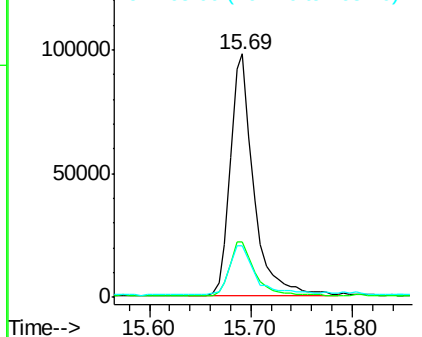
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.2	17.5	26.3

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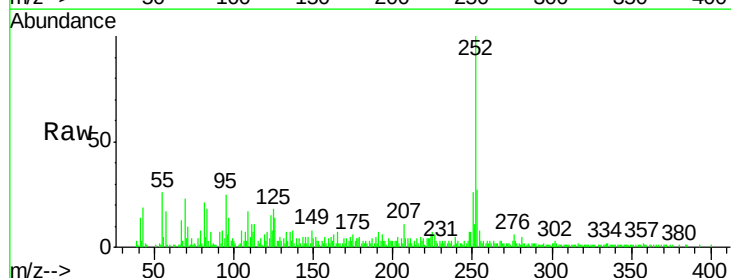


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

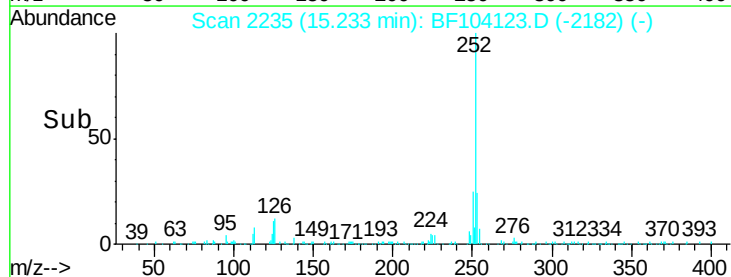
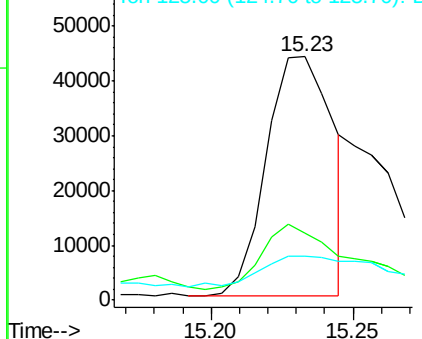


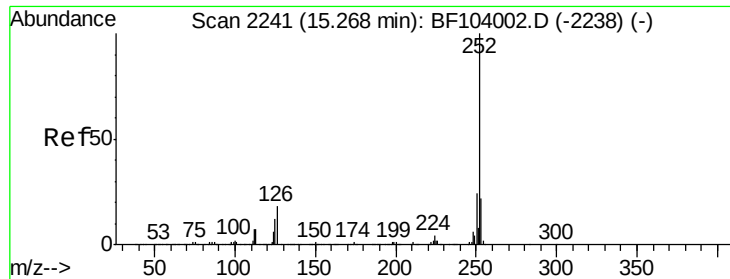
#87
 Benzo(b)fluoranthene
 Concen: 7.474 ng m
 RT: 15.23 min Scan# 2235
 Delta R.T. 0.01 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	17.9	9.0	13.6#



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





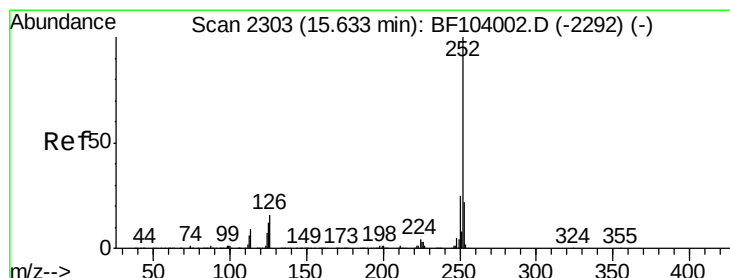
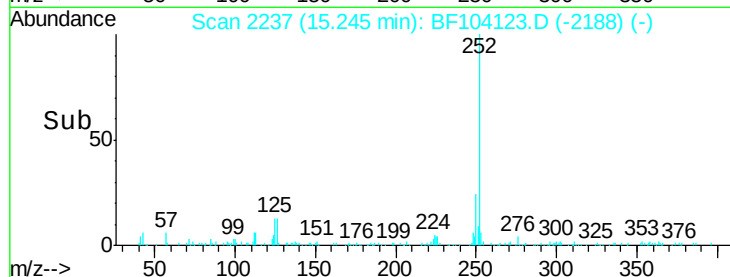
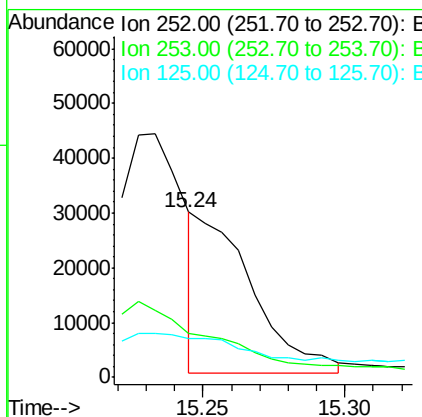
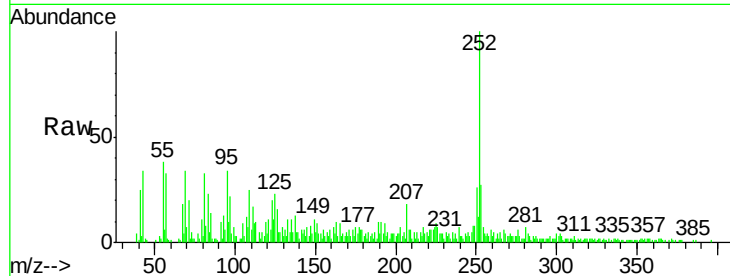
#88
Benzo(k)fluoranthene
Concen: 4.370 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampleId :
PB-15-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	23.3	10.2	15.2

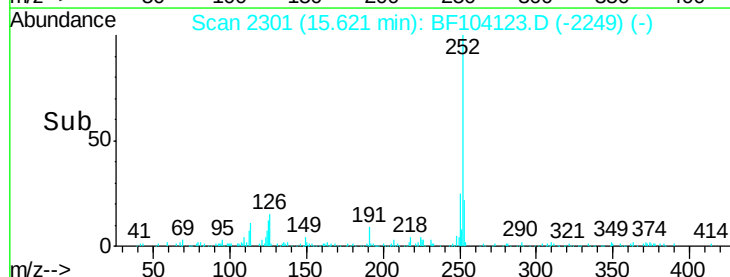
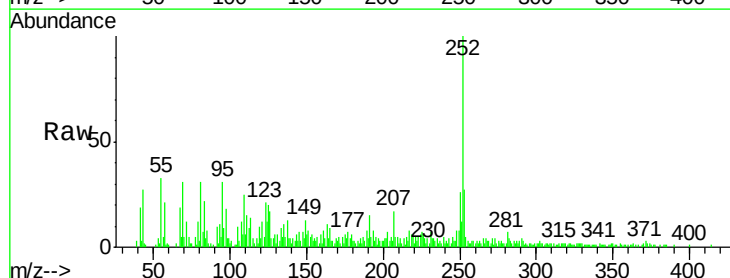
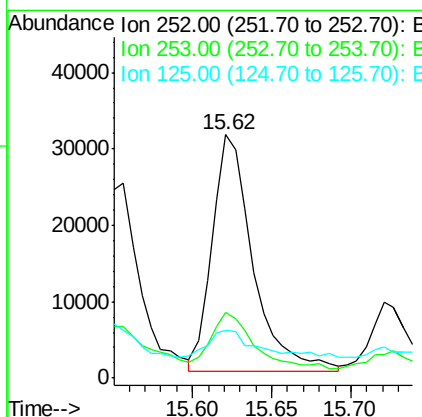
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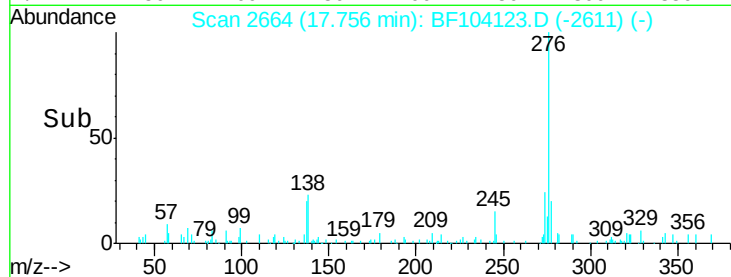
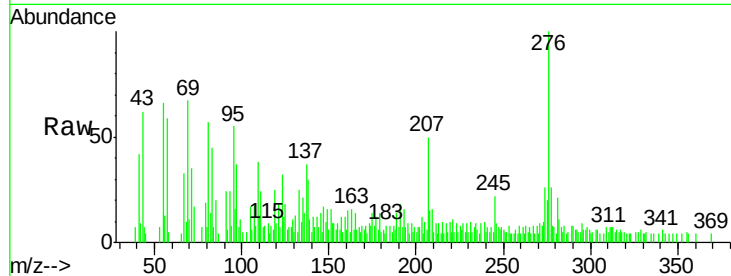
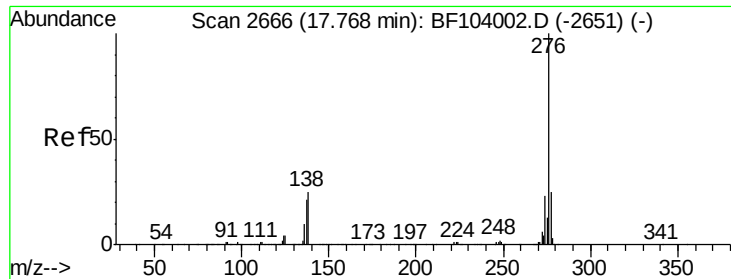
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#89
Benzo(a)pyrene
Concen: 6.204 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.1	25.7
125	19.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.260 ng

RT: 17.76 min Scan# 2664

Delta R.T. 0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tot Ion:	276	Resp:	26790
Ion Ratio	Lower	Upper	
276	100		
277	26.4	17.9	26.9
138	30.3	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

PB-15-COMP

Manual Integrations
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