

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103710.D
 Acq On : 16 Mar 2018 21:33
 Operator : JU/SJ
 Sample : J1750-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031518-B

Manual Integrations
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Sohil
 3/19/2018 2:02:31 PM

Quant Time: Mar 17 03:27:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163160	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	634789	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	273312	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	411977	20.00	ng	0.00
75) Chrysene-d12	14.15	240	340225	20.00	ng	0.00
86) Perylene-d12	15.69	264	282164	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	495671	46.21	ng	0.00
7) Phenol-d6	6.58	99	607700	46.30	ng	0.00
23) Nitrobenzene-d5	7.53	82	356516	39.17	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	95856	40.79	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	553300	32.29	ng	0.00
78) Terphenyl-d14	13.09	244	393072	26.82	ng	0.00
Target Compounds						
10) Phenol	6.59	94	41803	2.998	ng	98
22) Acetophenone	7.36	105	201128	12.328	ng	# 57
31) Naphthalene	8.27	128	122557	3.822	ng	# 87
37) 2-Methylnaphthalene	8.97	142	154148	7.580	ng	98
45) 1,1'-Biphenyl	9.43	154	49550	2.174	ng	98
49) Dimethylphthalate	9.72	163	63865	3.063	ng	# 92
70) Phenanthrene	11.52	178	96381	4.277	ng	99
74) Fluoranthene	12.72	202	112795	4.858	ng	97
77) Pyrene	12.94	202	121633	4.868	ng	99
80) Benzo(a)anthracene	14.14	228	63106	2.930	ng	93
82) Chrysene	14.17	228	54564m	2.658	ng	
87) Benzo(b)fluoranthene	15.23	252	62850m	3.526	ng	
89) Benzo(a)pyrene	15.62	252	43079	2.664	ng	# 86

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

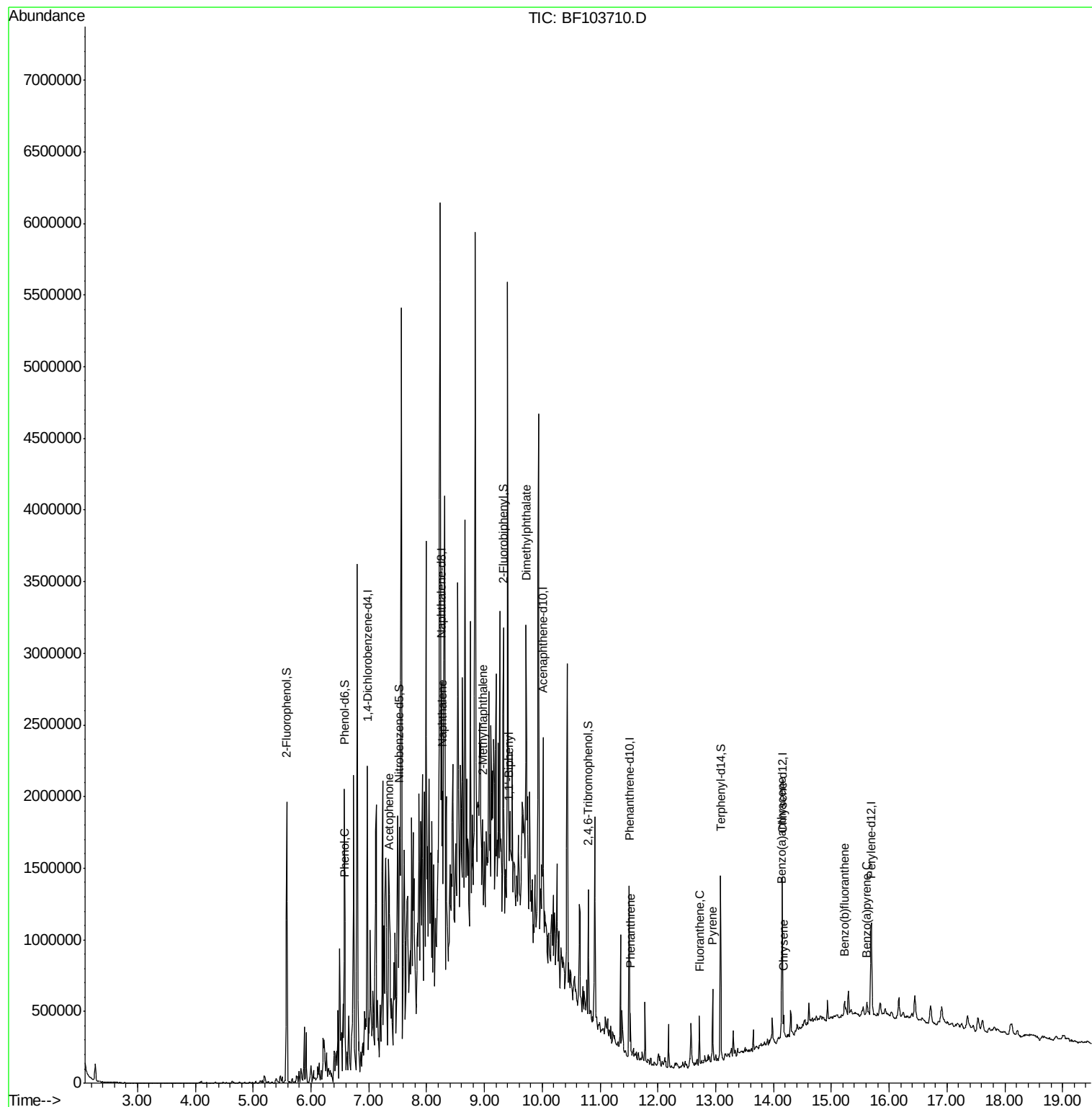
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103710.D
Acq On : 16 Mar 2018 21:33
Operator : JU/SJ
Sample : J1750-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

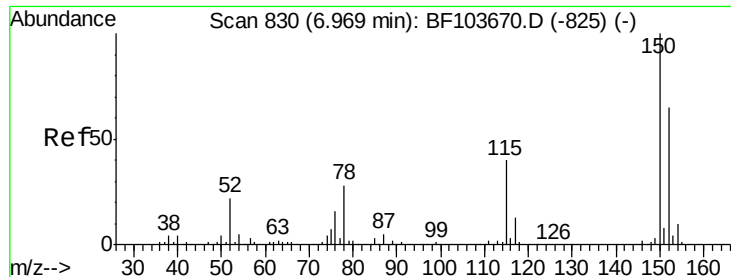
Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

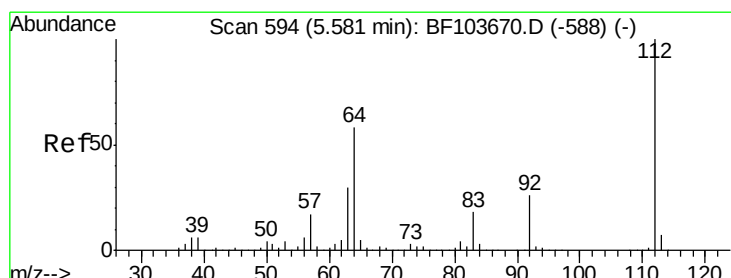
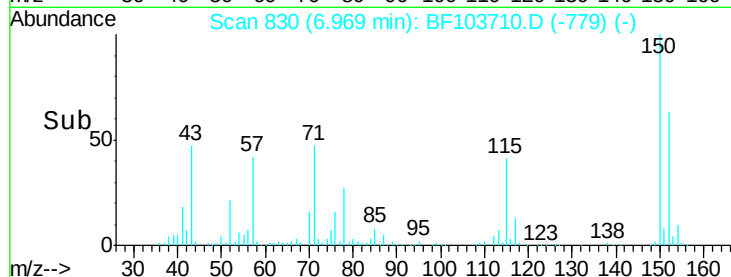
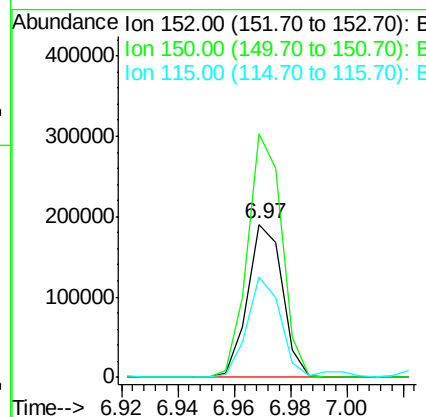
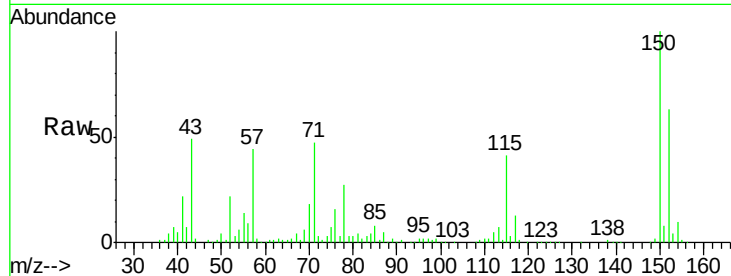
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	65.0	50.1	75.1

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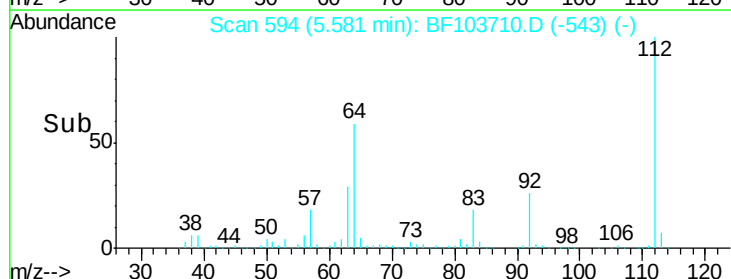
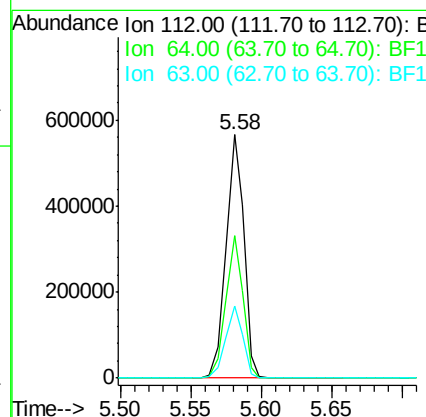
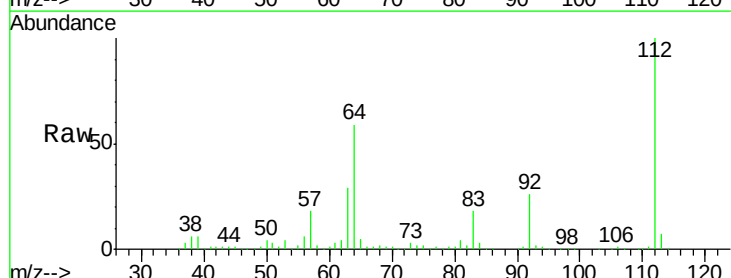
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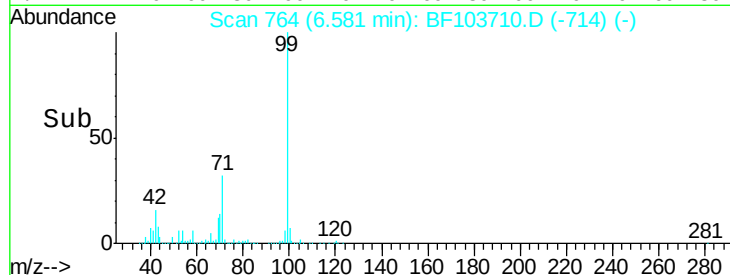
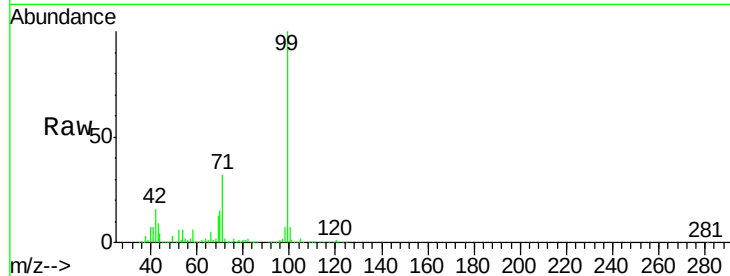
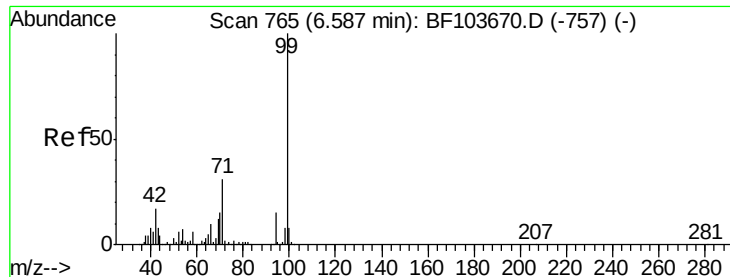


#5

2-Fluorophenol
Concen: 46.207 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 46.305 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Tot Ion:	99	Resp:	607700
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	31.7	25.4	38.0

Instrument :

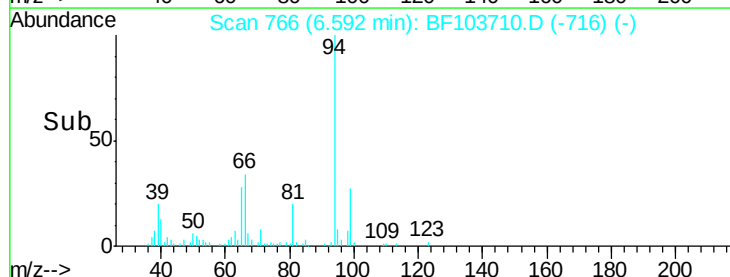
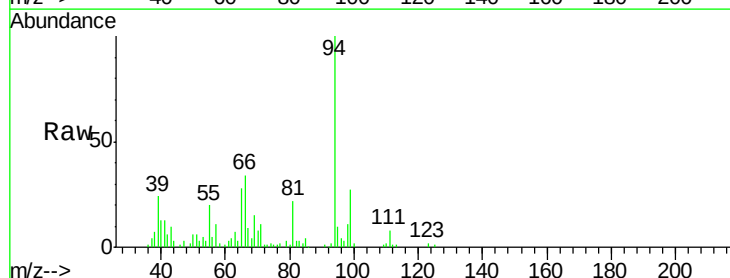
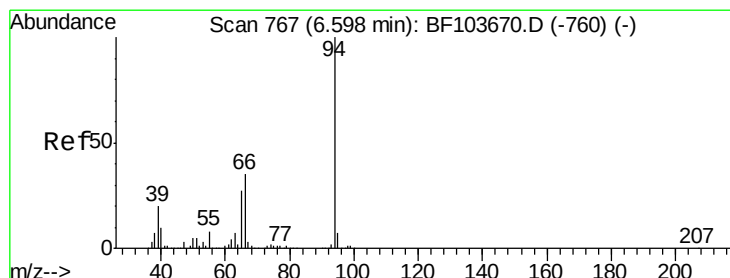
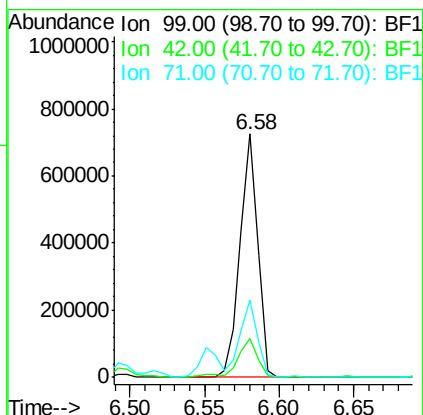
BNA_F

ClientSampleId :

HR-05-031518-B

Manual Integrations
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#10

Phenol

Concen: 2.998 ng

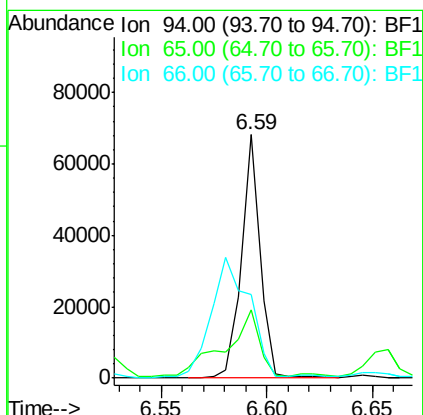
RT: 6.59 min Scan# 766

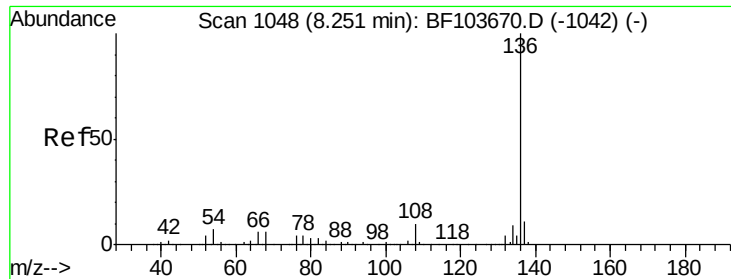
Delta R.T. -0.01 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Tgt Ion:	94	Resp:	41803
Ion Ratio	Lower	Upper	
94	100		
65	27.9	7.9	47.9
66	34.3	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Instrument :

BNA_F

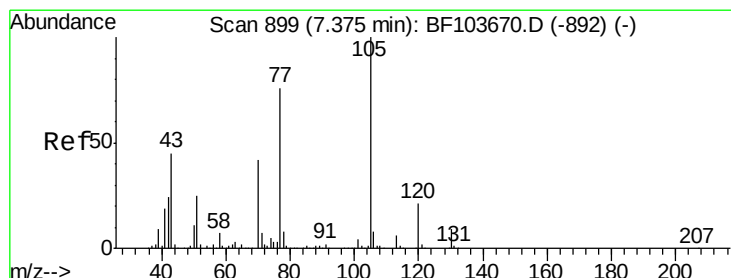
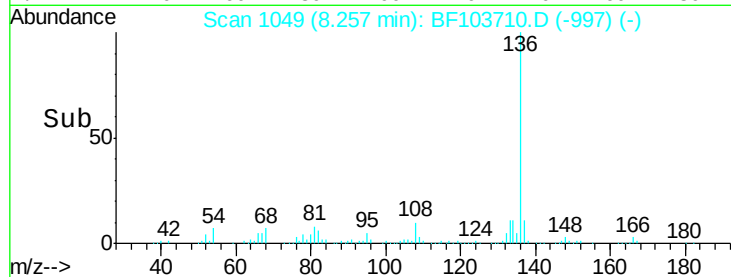
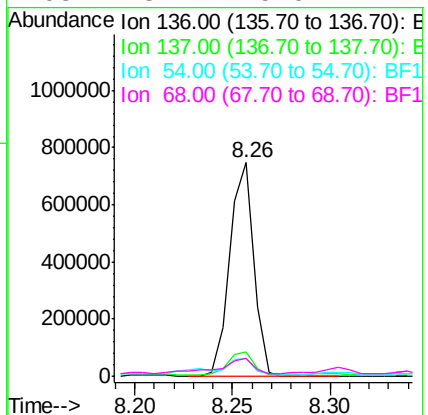
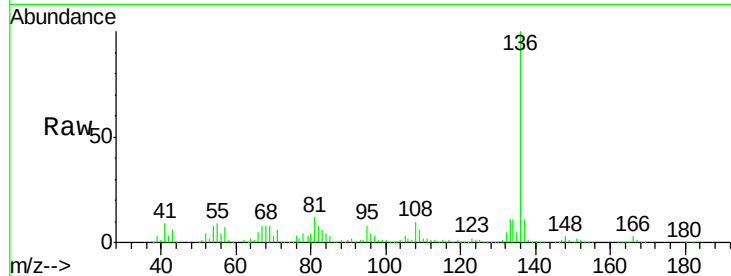
ClientSampleId :

HR-05-031518-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100	634789		
137	11.2	8.9	13.3	
54	8.2	6.6	9.8	
68	8.4	5.0	7.4	

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#22

Acetophenone

Concen: 12.328 ng

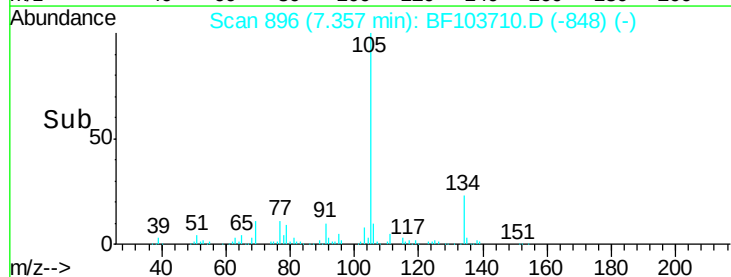
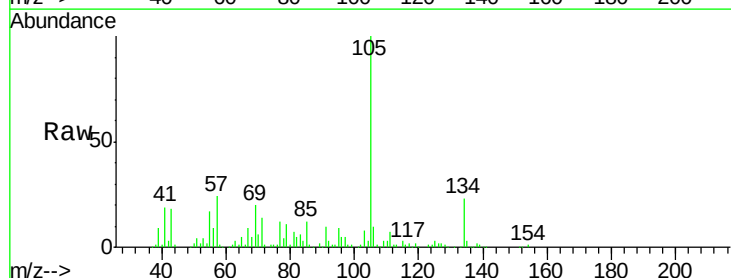
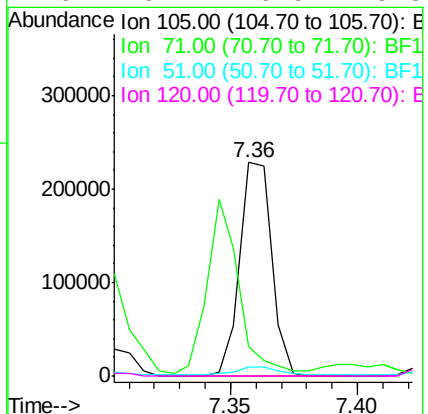
RT: 7.36 min Scan# 896

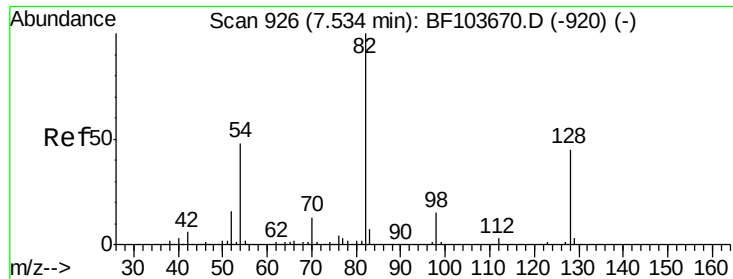
Delta R.T. -0.02 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201128		
71	14.1	4.4	6.6	
51	4.3	22.3	33.5	
120	0.2	16.9	25.3	





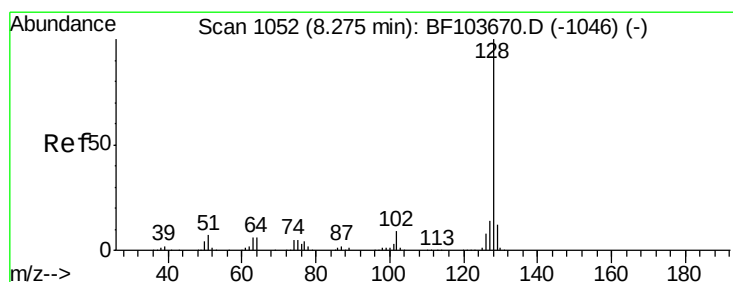
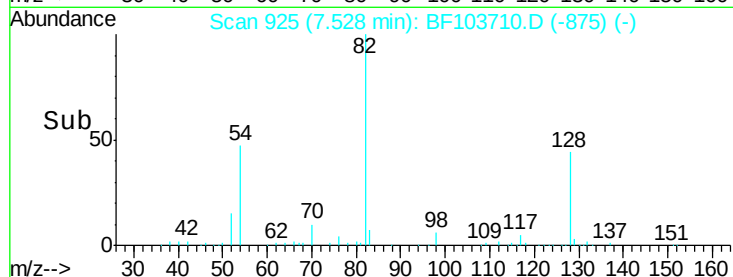
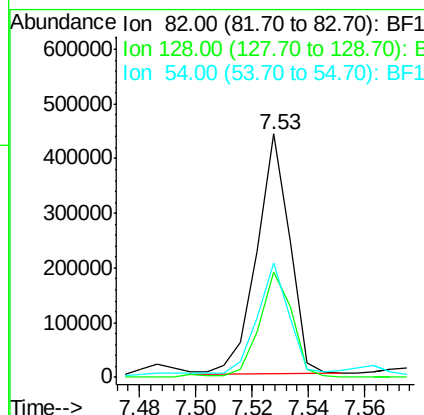
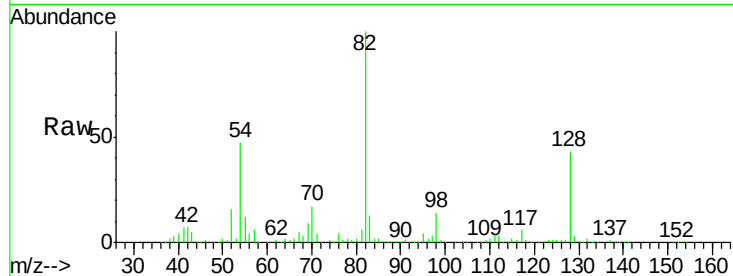
#23
Nitrobenzene-d5
Concen: 39.166 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	82	Resp	356516
Ion Ratio	Lower	Upper	
82	100		
128	43.1	36.1	54.1
54	47.0	41.4	62.2

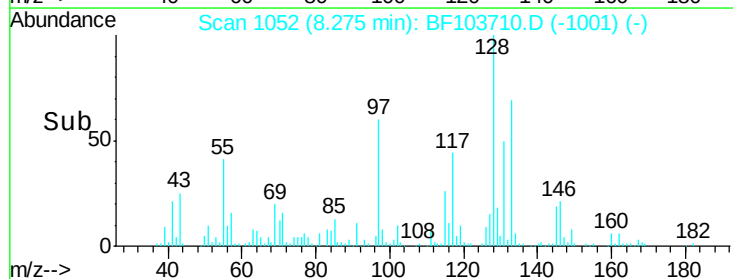
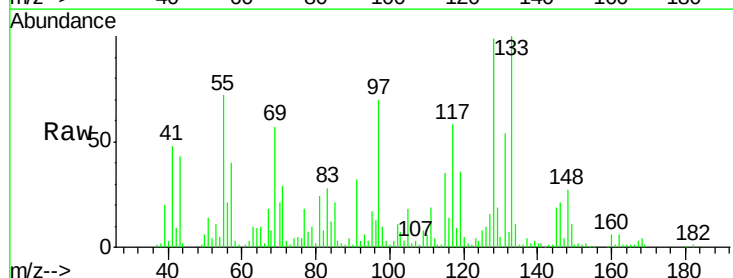
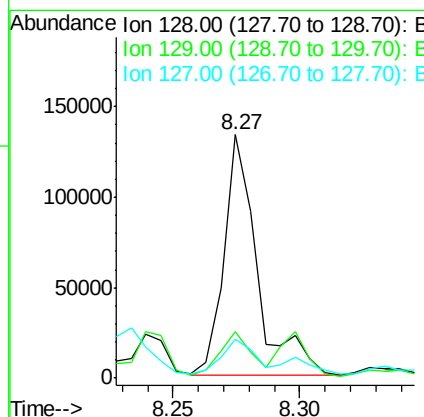
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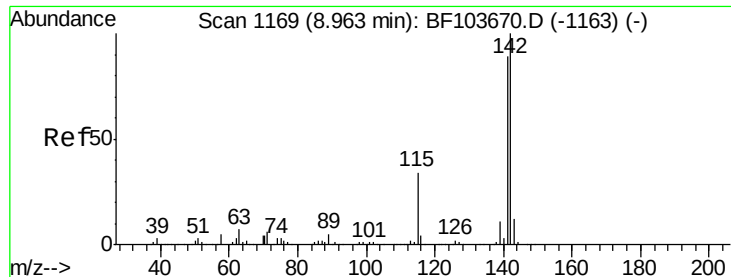
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#31
Naphthalene
Concen: 3.822 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	128	Resp	122557
Ion Ratio	Lower	Upper	
128	100		
129	19.1	8.8	13.2#
127	16.0	10.9	16.3





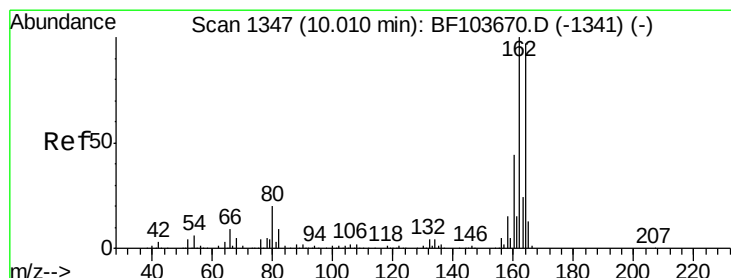
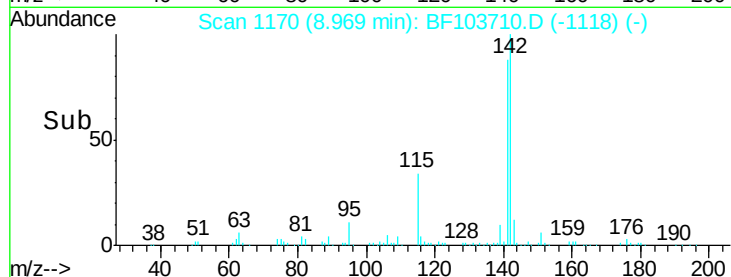
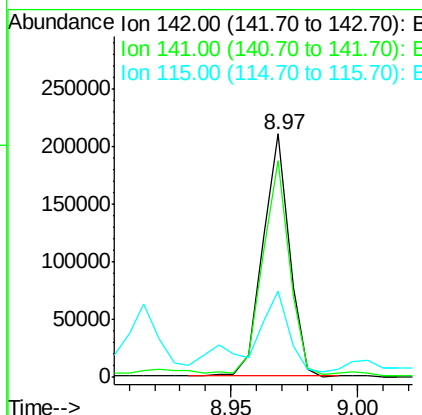
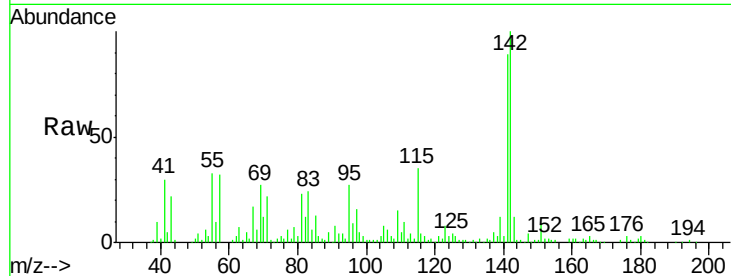
#37
2-Methylnaphthalene
Concen: 7.580 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	35.3	26.1	39.1

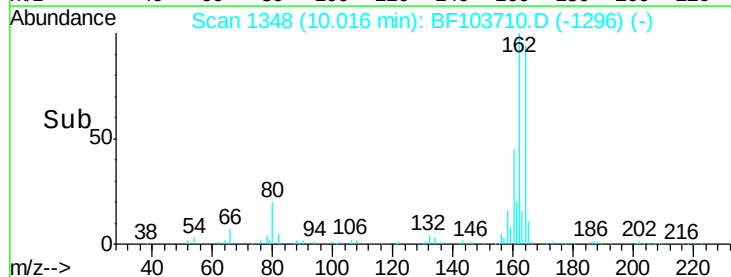
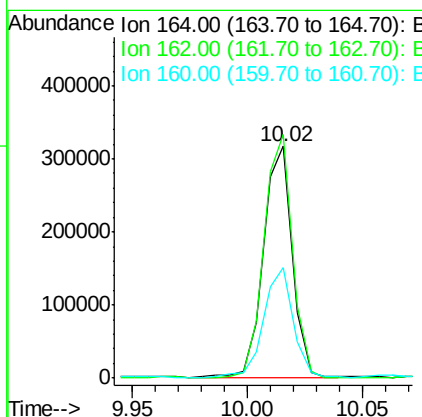
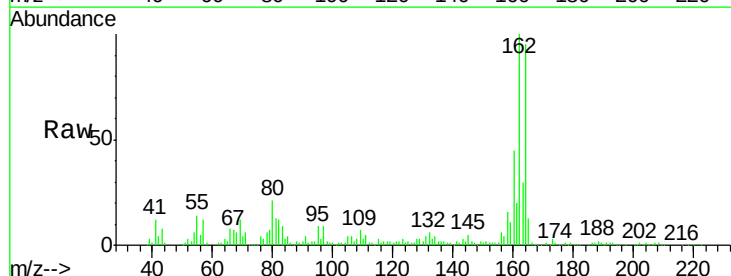
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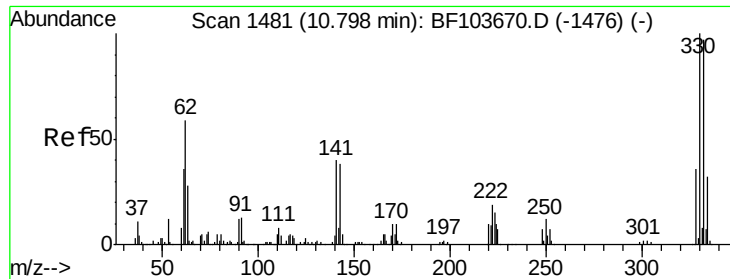
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	47.7	38.3	57.5





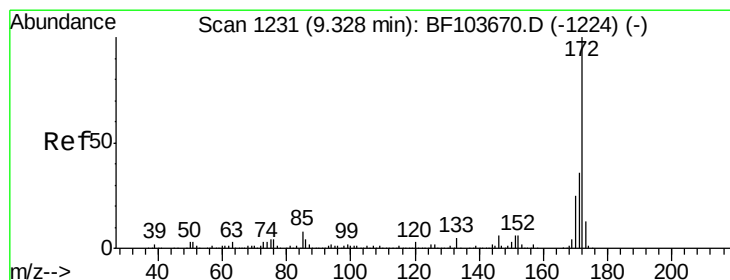
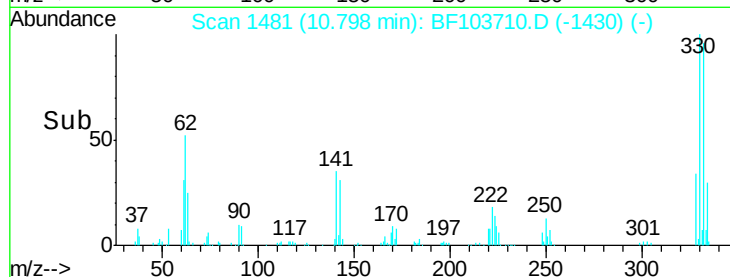
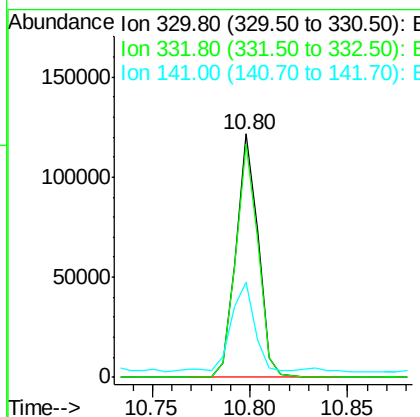
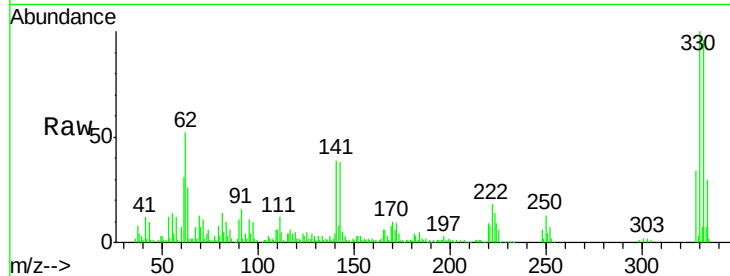
#41
 2,4,6-Tribromophenol
 Concen: 40.791 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103710.D
 Acq: 16 Mar 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031518-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	39.2	29.9	44.9

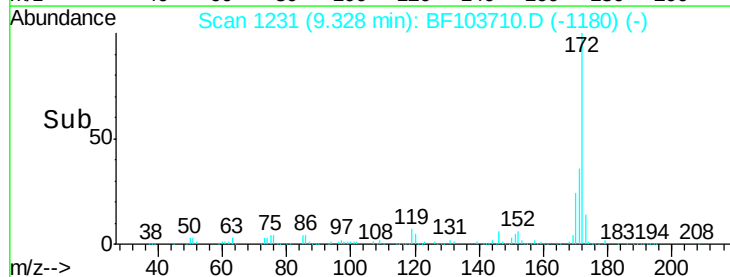
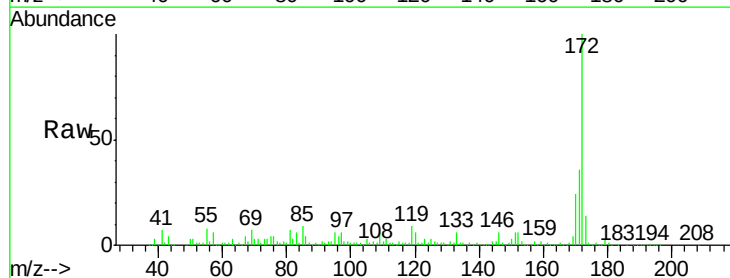
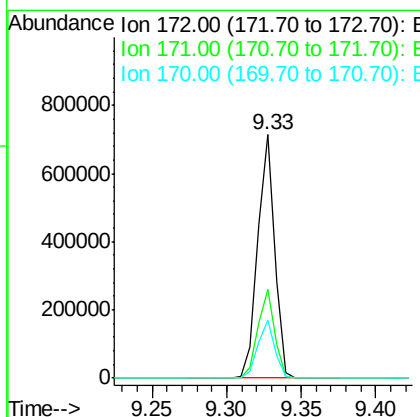
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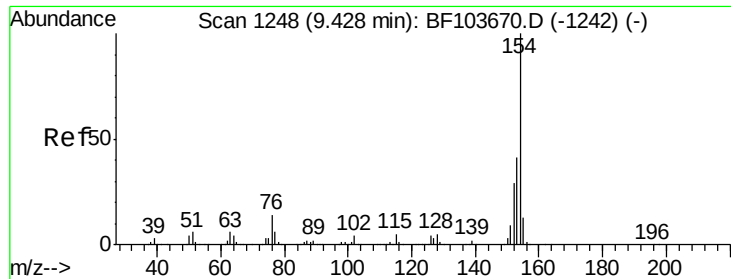
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#44
 2-Fluorobiphenyl
 Concen: 32.293 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103710.D
 Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.174 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Instrument :

BNA_F

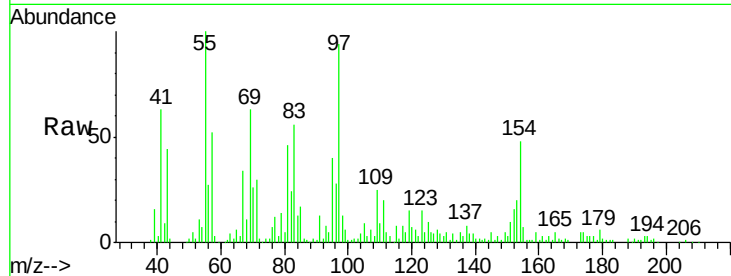
ClientSampleId :

HR-05-031518-B

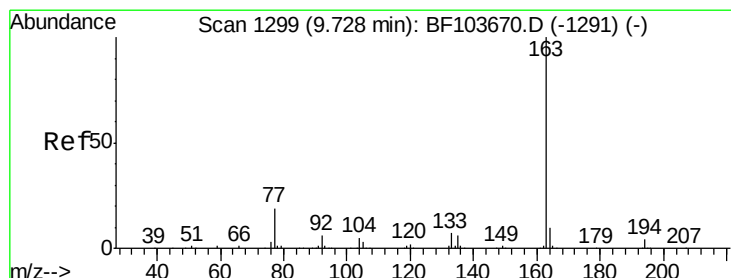
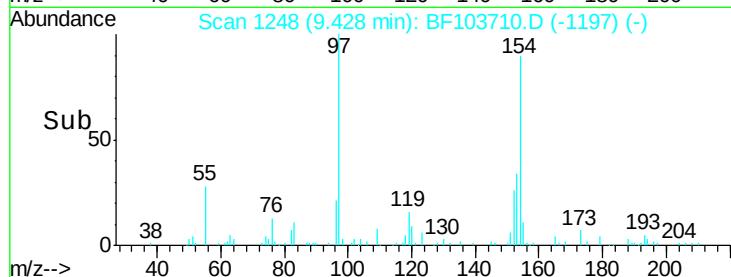
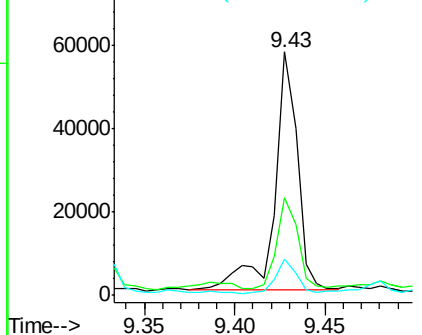
Tot Ion:	154	Resp:	49550
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.3	61.3
76	14.7	0.0	34.0

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 3.063 ng

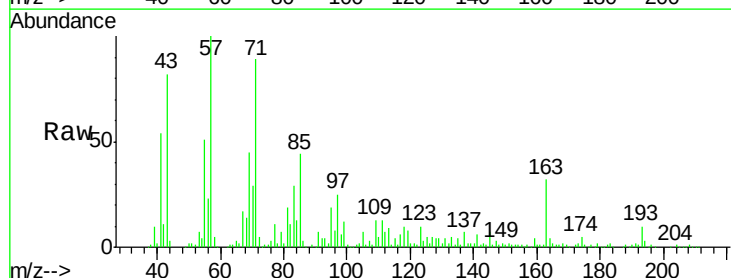
RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

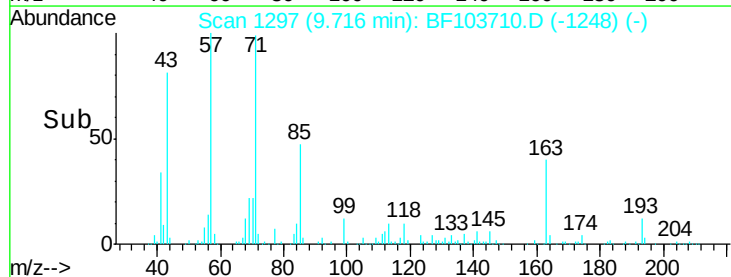
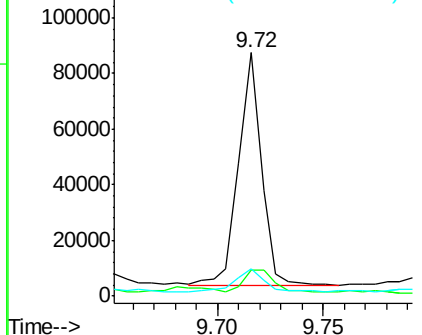
Lab File: BF103710.D

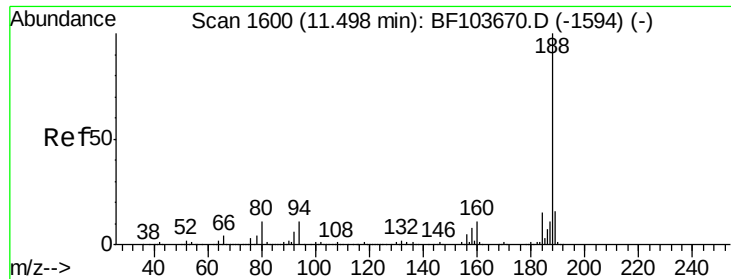
Acq: 16 Mar 2018 21:33

Tgt Ion:	163	Resp:	63865
Ion Ratio	Lower	Upper	
163	100		
194	10.7	2.7	4.1#
164	11.4	8.2	12.2



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: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

Instrument :

BNA_F

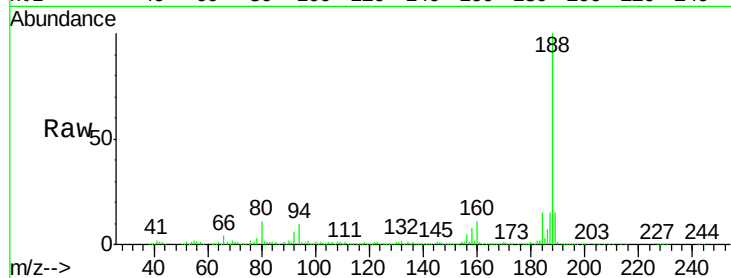
ClientSampleId :

HR-05-031518-B

Tot Ion:	188	Resp:	411977
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.8	9.2	13.8

Manual Integrations
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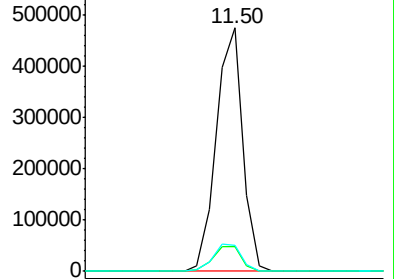
Sohil
3/19/2018 2:02:31 PM



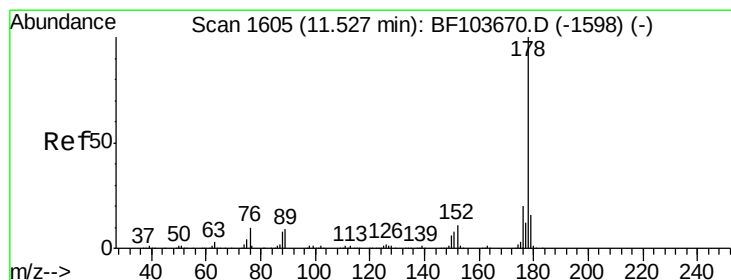
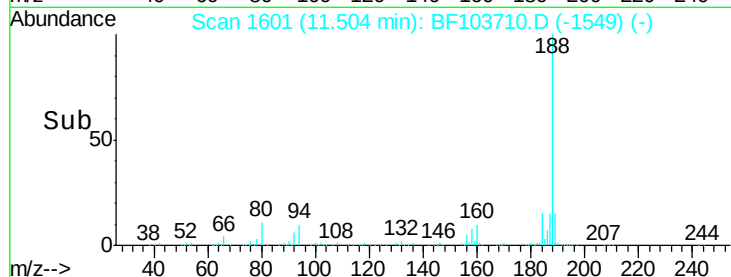
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#70

Phenanthrene

Concen: 4.277 ng

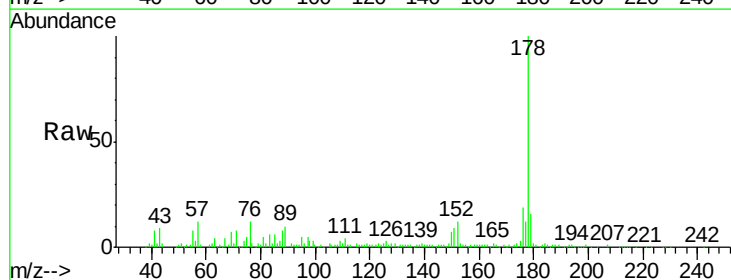
RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF103710.D

Acq: 16 Mar 2018 21:33

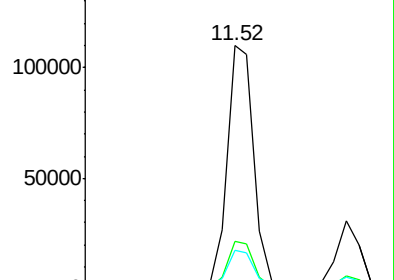
Tgt Ion:	178	Resp:	96381
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6



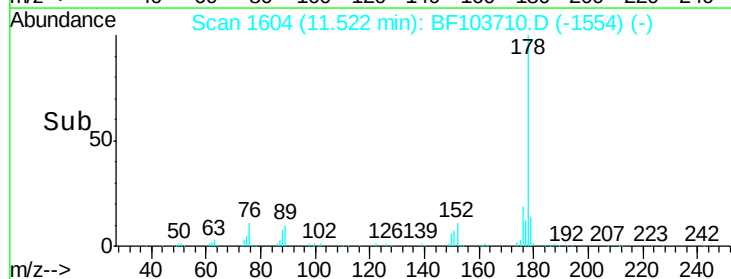
Abundance Ion 178.00 (177.70 to 178.70): E

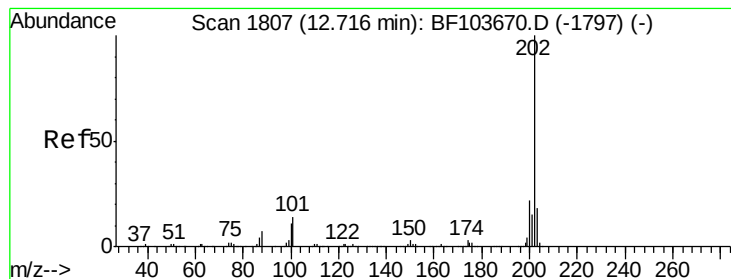
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





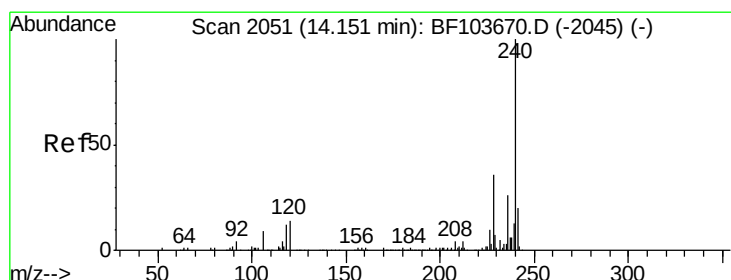
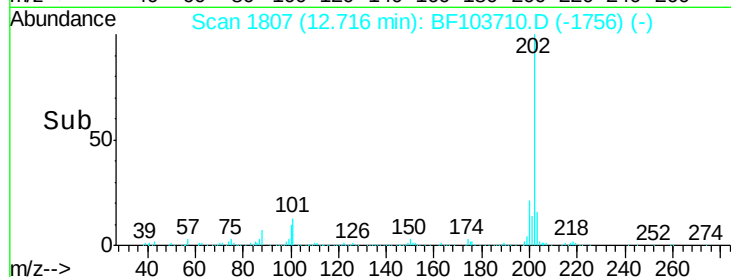
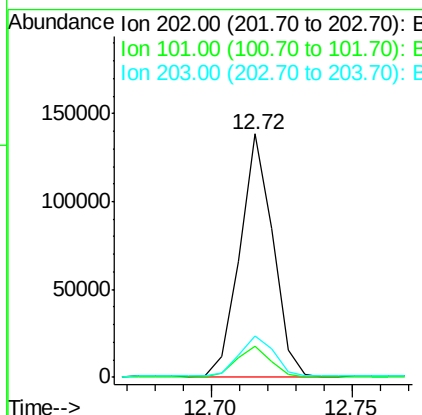
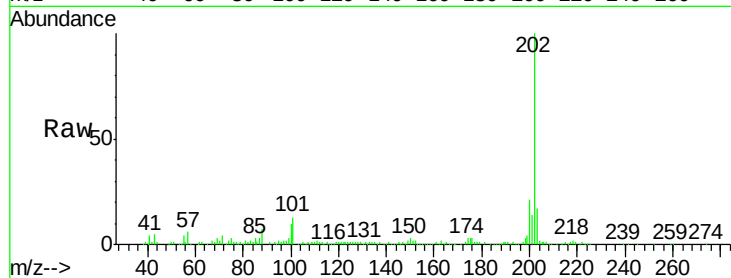
#74
 Fluoranthene
 Concen: 4.858 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BF103710.D
 Acq: 16 Mar 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031518-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	34.1
203	16.9	0.0	38.1

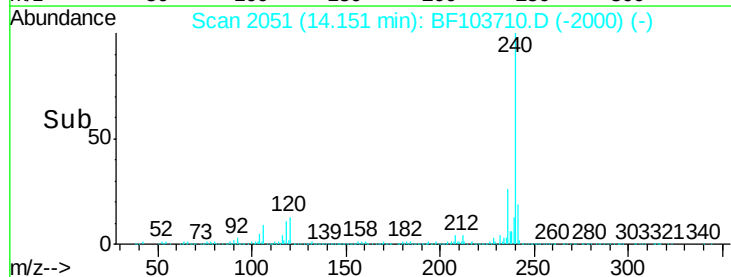
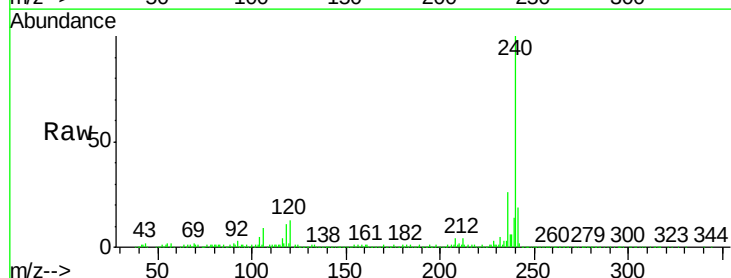
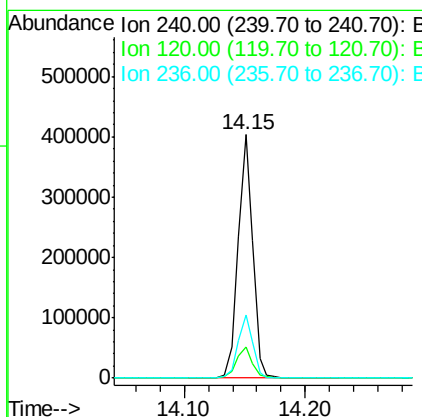
Manual Integrations
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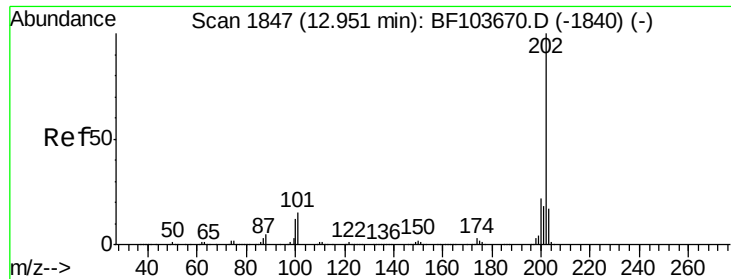
Sohil
 3/19/2018 2:02:31 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF103710.D
 Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.0	20.7	31.1





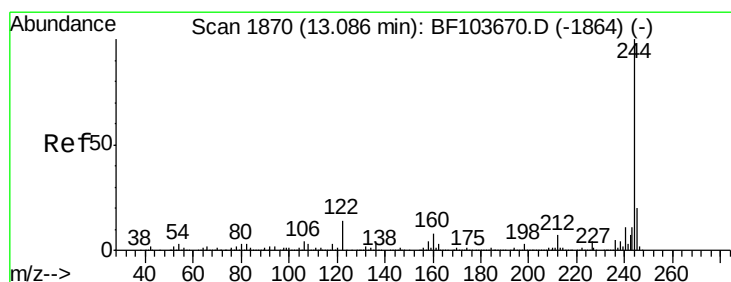
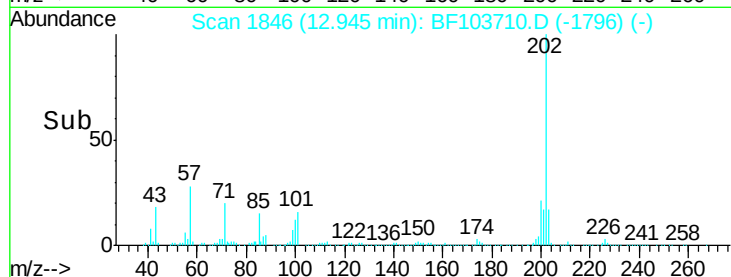
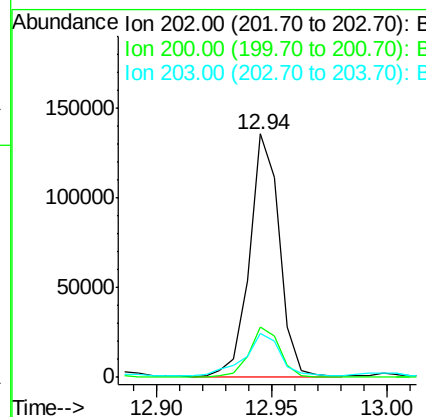
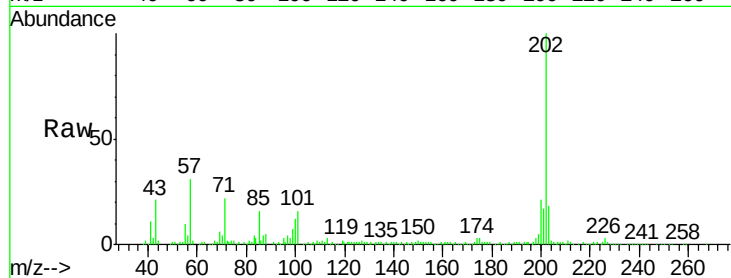
#77
Pvrene
Concen: 4.868 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.8	17.4	26.2		
203	18.2	14.3	21.5		

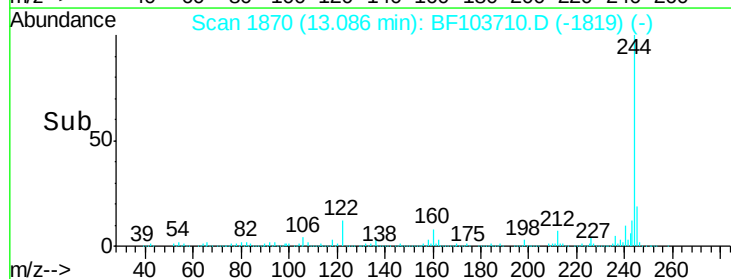
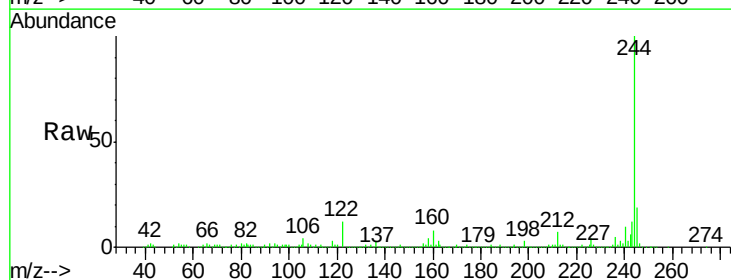
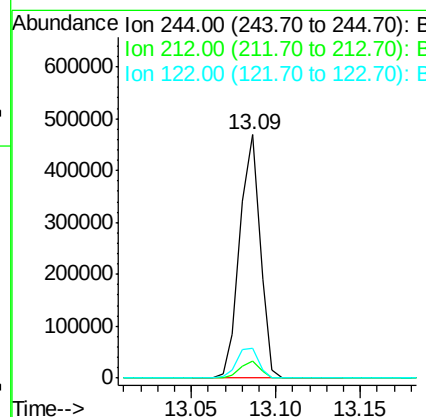
Manual Integrations
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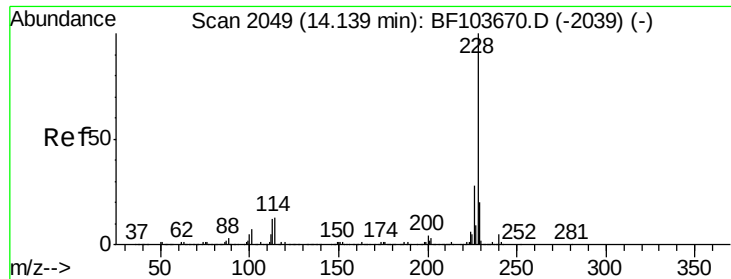
Sohil
3/19/2018 2:02:31 PM



#78
Terphenyl-d14
Concen: 26.817 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.0	5.4	8.0		
122	12.4	11.0	16.4		





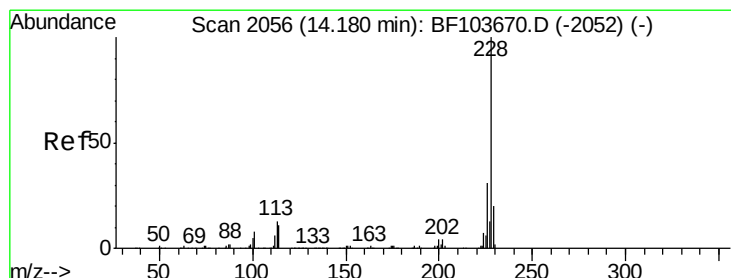
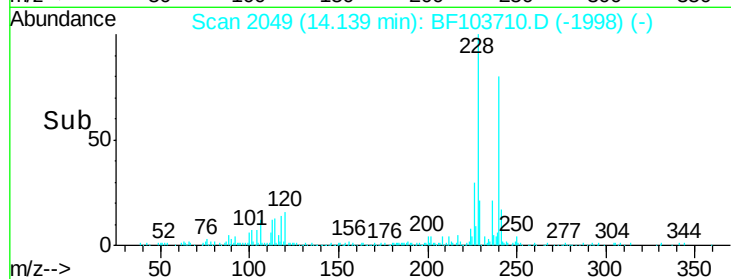
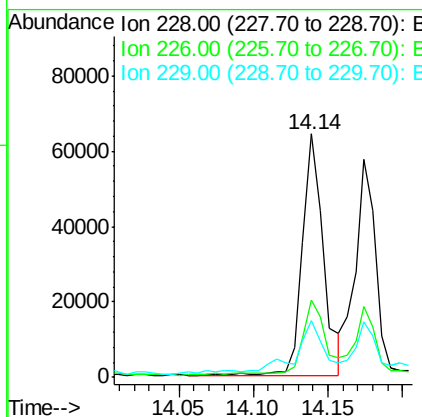
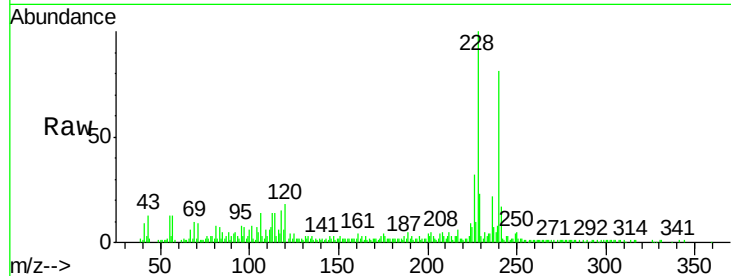
#80
Benzo(a)anthracene
Concen: 2.930 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		63106		
226	31.7		22.6	33.8	
229	23.3		15.8	23.6	

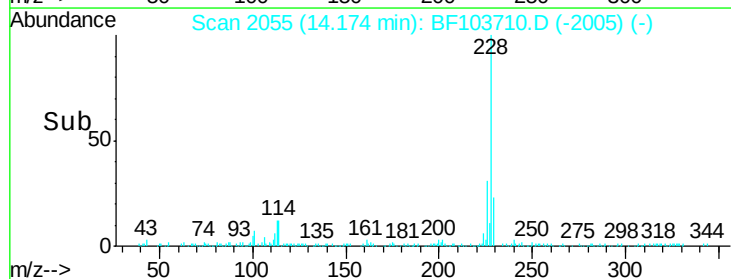
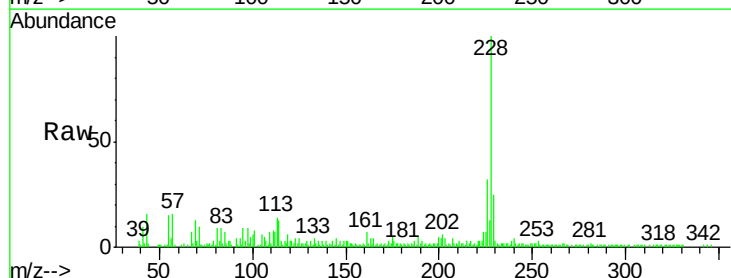
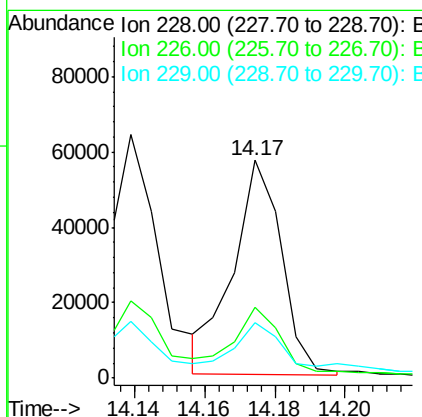
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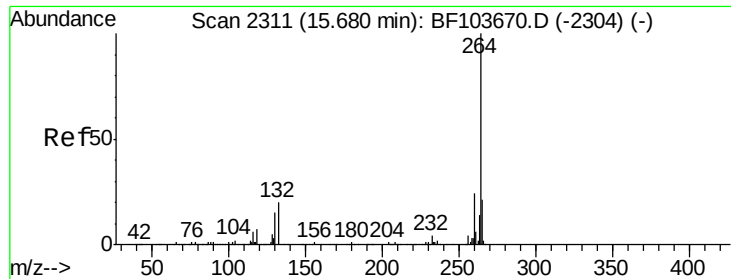
Sohil
3/19/2018 2:02:31 PM



#82
Chrysene
Concen: 2.658 ng m
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		54564		
226	32.4		25.0	37.6	
229	25.3		16.2	24.4	





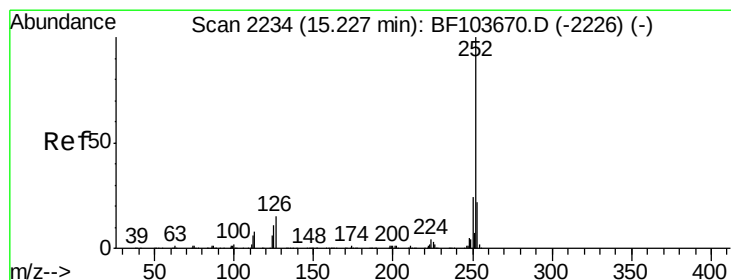
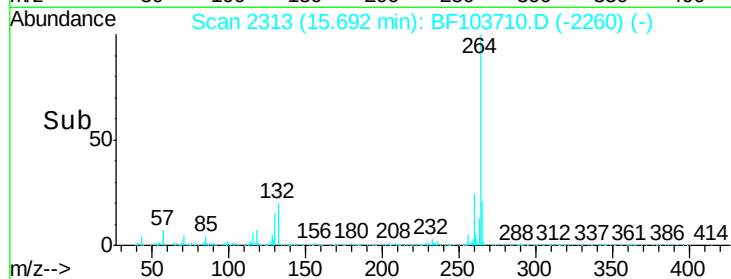
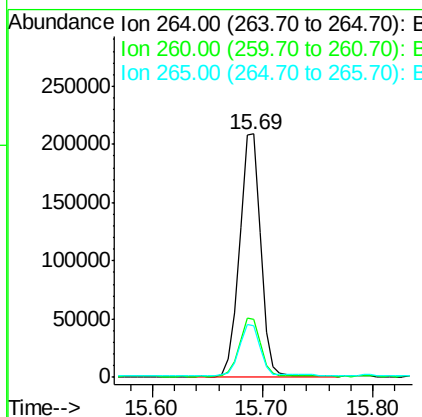
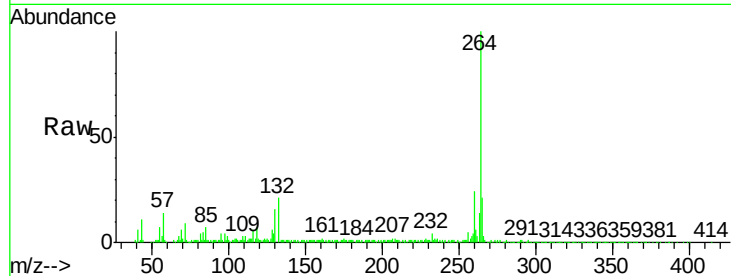
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Instrument :
BNA_F
ClientSampleId :
HR-05-031518-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3

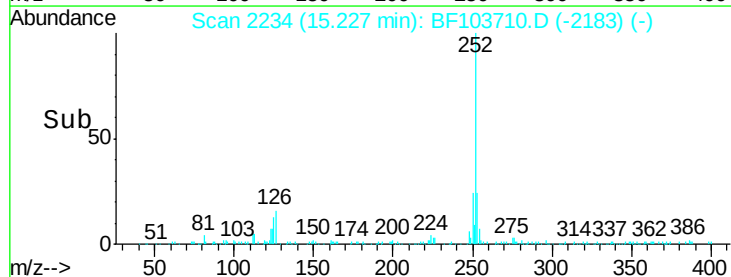
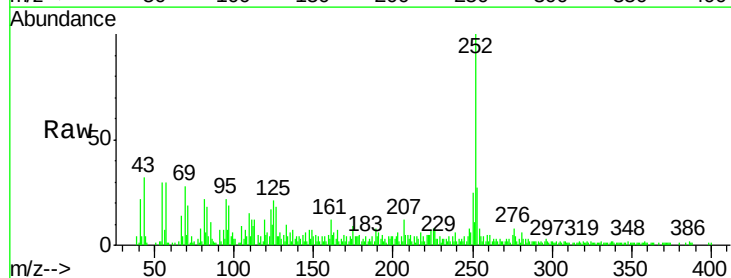
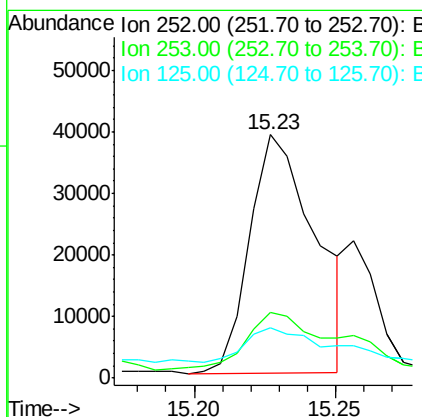
Manual Integrations
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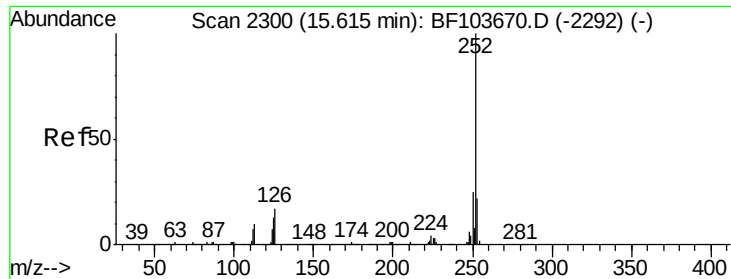
Sohil
3/19/2018 2:02:31 PM



#87
Benzo(b)fluoranthene
Concen: 3.526 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF103710.D
Acq: 16 Mar 2018 21:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.0	25.6#
125	20.5	9.0	13.6#





#89
 Benzo(a)pyrene
 Concen: 2.664 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BF103710.D
 Acq: 16 Mar 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-031518-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.1	25.7#
125	19.4	9.8	14.6#

Manual Integrations
 APPROVED

Sohil
 3/19/2018 2:02:31 PM

