

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110047.D
 Acq On : 22 Oct 2018 14:30
 Operator : JU/SJ
 Sample : J5195-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101818-B

Manual Integrations
 APPROVED

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 10/23/2018 2:18:41 PM

Quant Time: Oct 23 02:53:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	220339	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	847120	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	347064	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	539869	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	415959	20.00	ng	-0.01
87) Perylene-d12	15.67	264	342204	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	681284	49.01	ng	-0.02
7) Phenol-d6	6.59	99	846020	49.01	ng	-0.02
23) Nitrobenzene-d5	7.53	82	521882	41.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	143859	47.88	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	889087	40.88	ng	-0.01
79) Terphenyl-d14	13.09	244	650056	32.82	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	81730	4.386	ng	Qvalue # 62
31) Naphthalene	8.27	128	97107	2.500	ng	98
49) Acenaphthylene	9.87	152	84181	2.544	ng	97
50) Dimethylphthalate	9.72	163	129510	5.270	ng	99
71) Phenanthrene	11.53	178	298867	10.693	ng	100
72) Anthracene	11.57	178	82536	2.937	ng	99
75) Fluoranthene	12.72	202	600029	21.490	ng	99
78) Pyrene	12.95	202	637270	20.859	ng	99
81) Benzo(a)anthracene	14.14	228	344848m	14.075	ng	
83) Chrysene	14.17	228	289626	12.419	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	189399	10.087	ng	99
88) Benzo(b)fluoranthene	15.22	252	373208m	18.917	ng	
89) Benzo(k)fluoranthene	15.24	252	114128m	5.869	ng	
90) Benzo(a)pyrene	15.61	252	279765	15.418	ng	# 95
91) Dibenzo(a,h)anthracene	17.24	278	43518	2.706	ng	# 81
92) Benzo(g,h,i)perylene	17.71	276	201552	12.405	ng	# 95

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

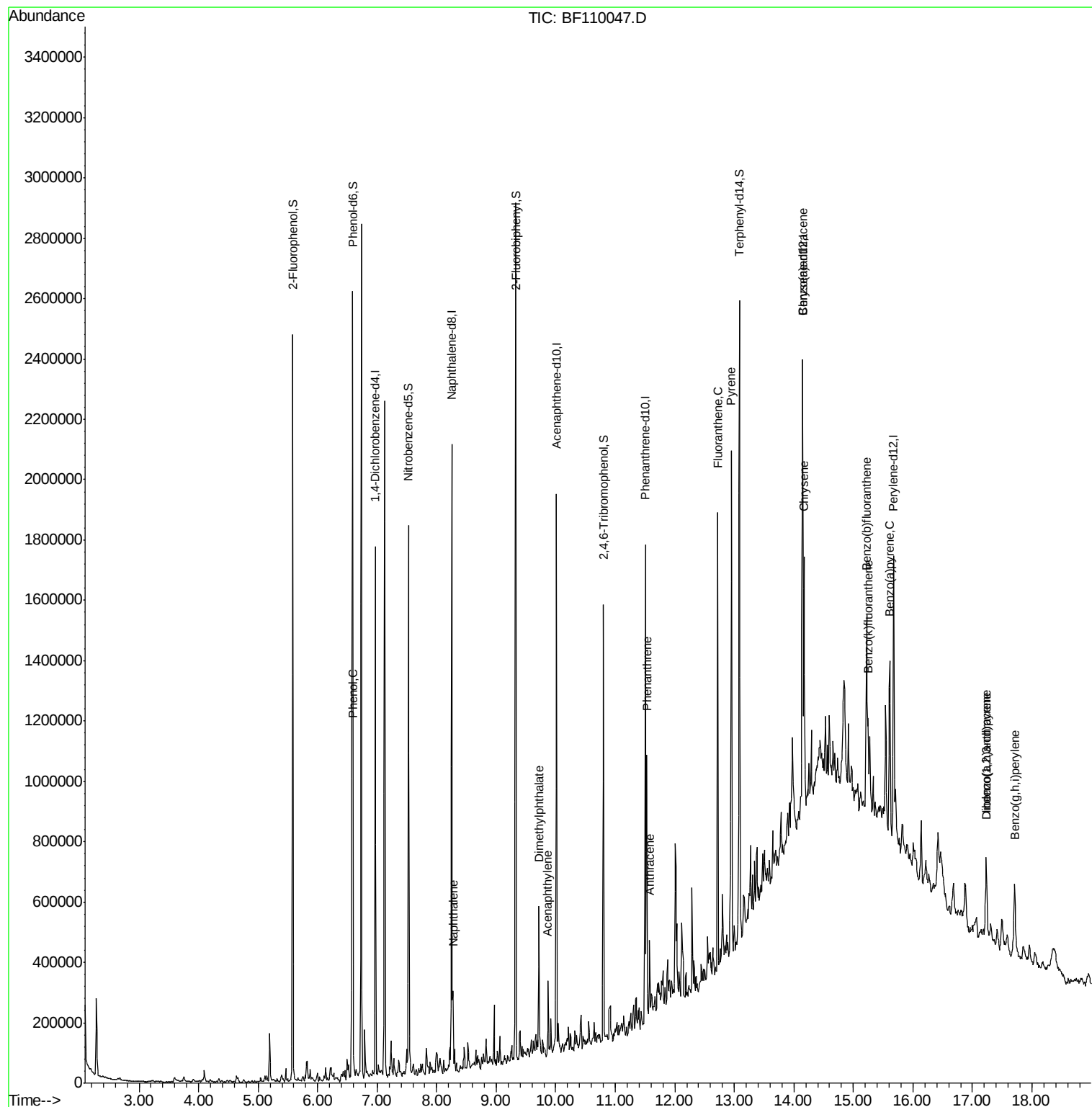
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
Data File : BF110047.D
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ALS Vial : 9 Sample Multiplier: 1

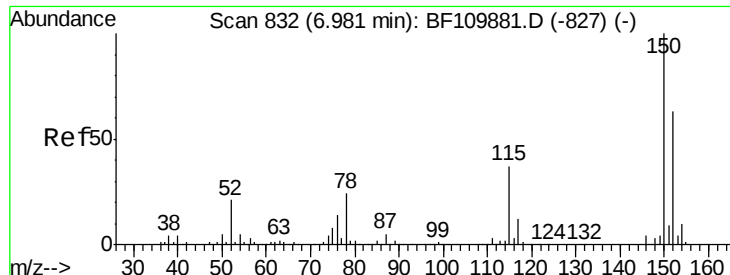
Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

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Quant Time: Oct 23 02:53:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration





#1

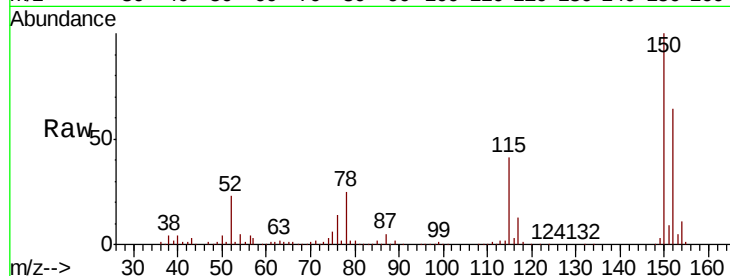
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.7	184.1
115	64.8	49.1	73.7

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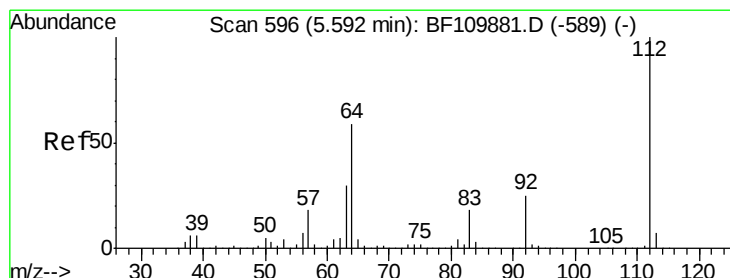
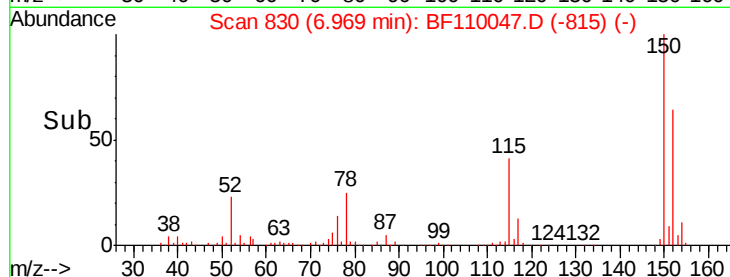
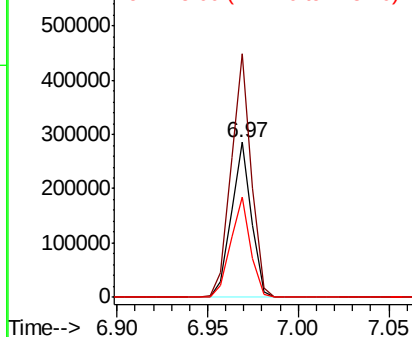


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

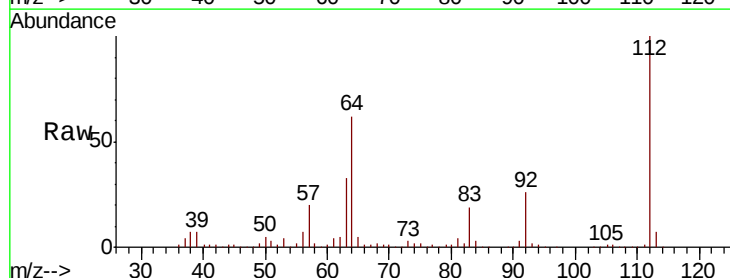
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.012 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	33.3	23.7	35.5

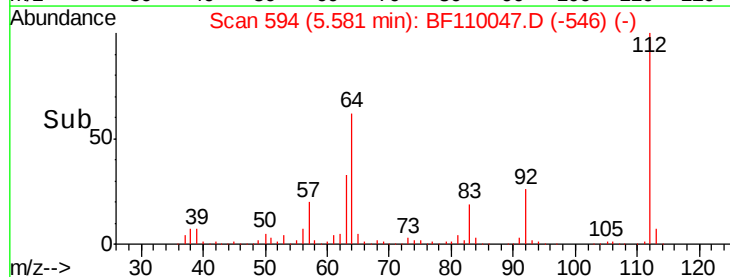
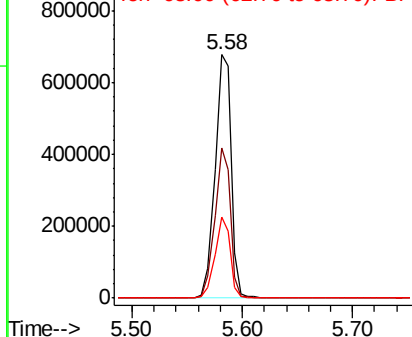


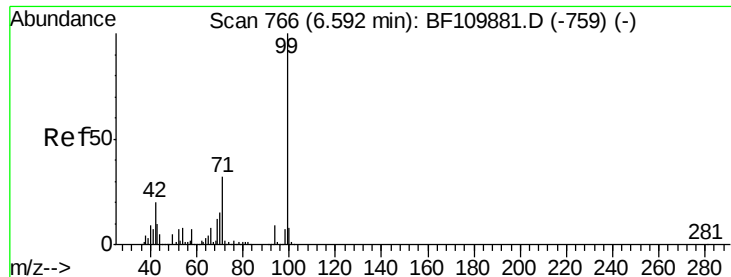
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.015 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

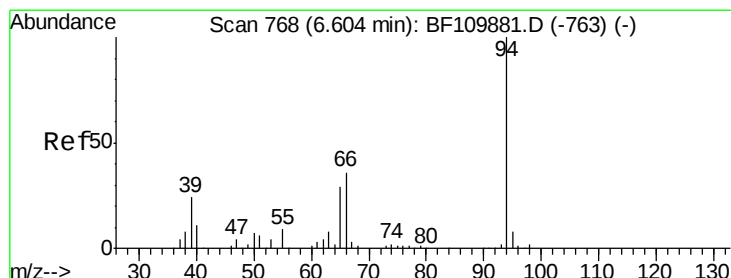
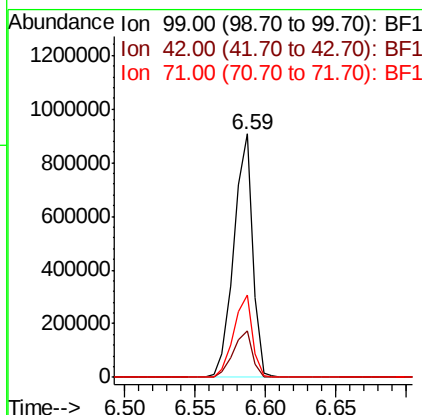
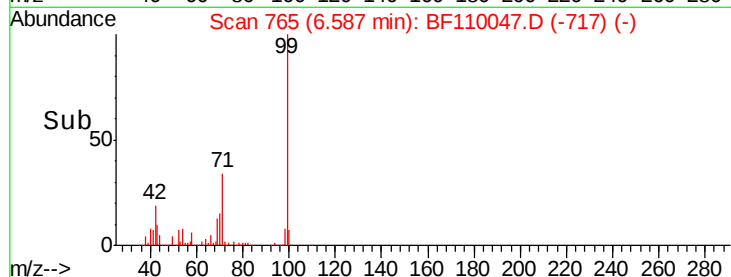
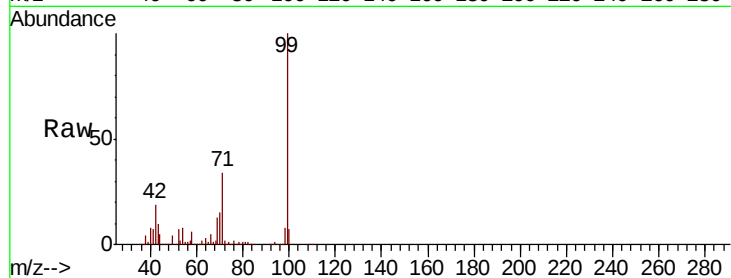
ClientSampleId :

JC-02-101818-B

Tot Ion:	99	Resp:	846020
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	33.9	28.0	42.0

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#10

Phenol

Concen: 4.386 ng

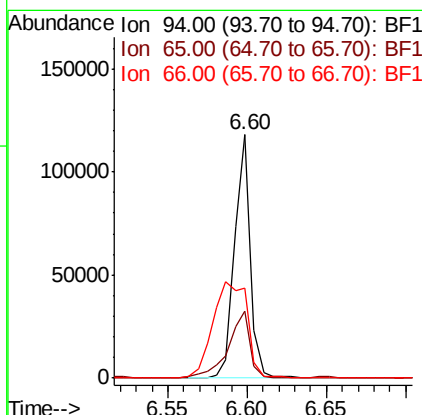
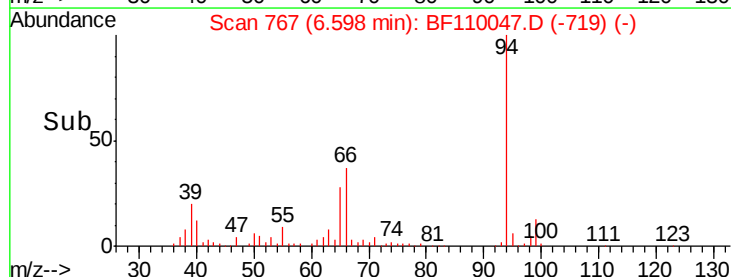
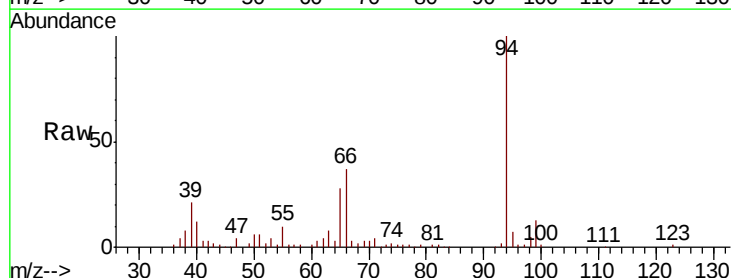
RT: 6.60 min Scan# 767

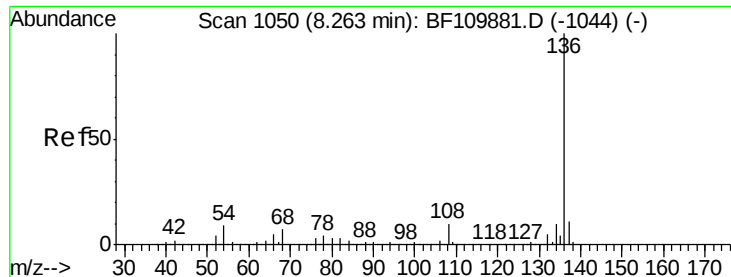
Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Tgt Ion:	94	Resp:	81730
Ion	Ratio	Lower	Upper
94	100		
65	27.6	25.3	65.3
66	37.0	54.5	94.5#





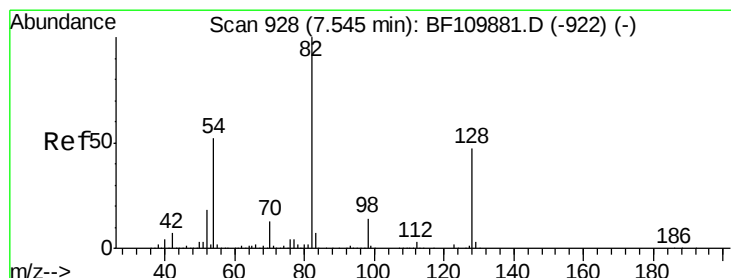
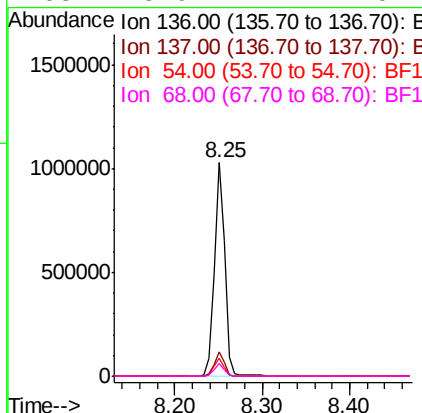
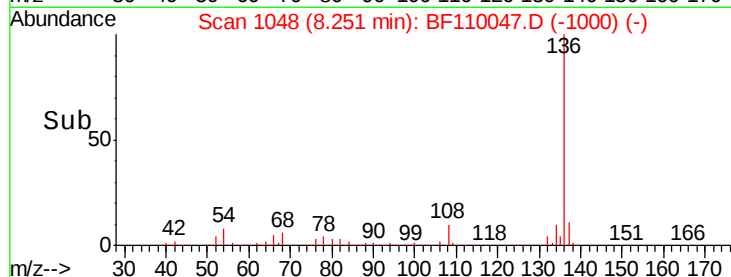
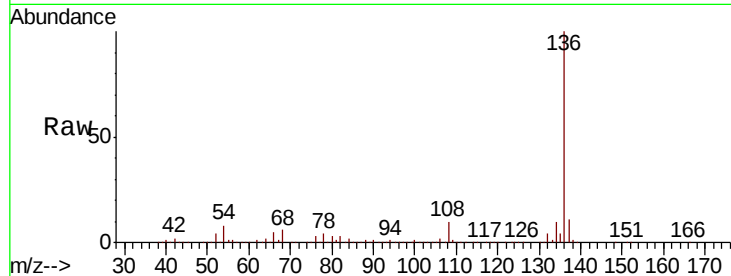
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.5		8.8	13.2	
54	8.4		5.4	8.2	
68	5.9		4.2	6.2	

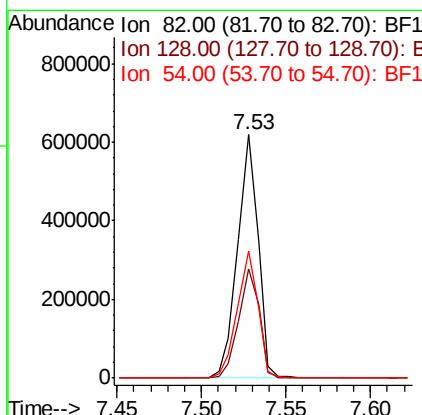
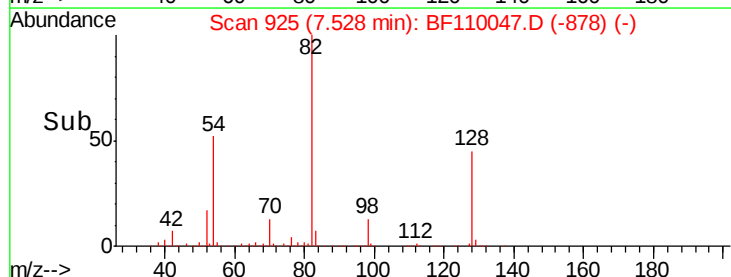
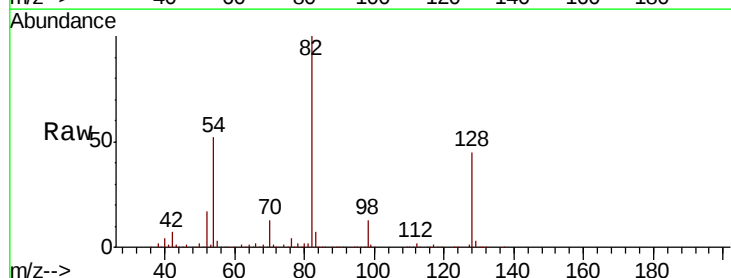
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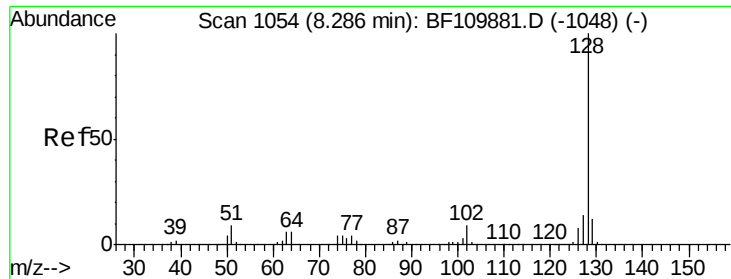
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#23
Nitrobenzene-d5
Concen: 41.501 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.1		34.2	51.2	
54	52.0		38.6	58.0	





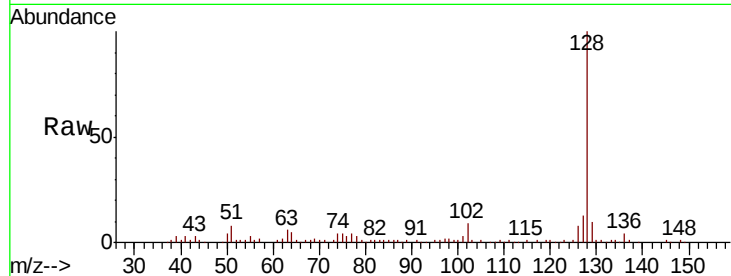
#31
Naphthalene
Concen: 2.500 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	12.9	10.8	16.2

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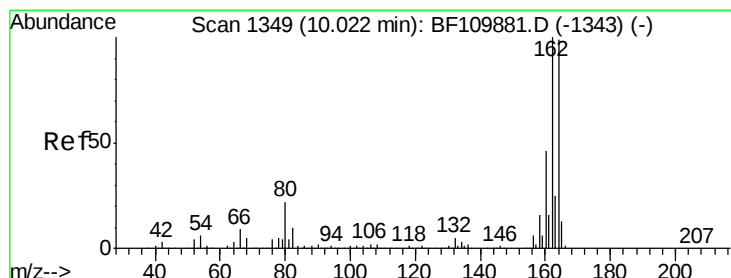
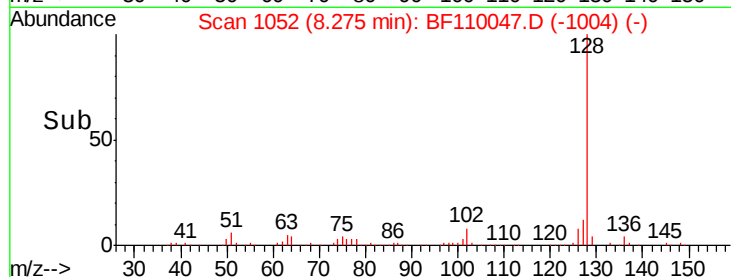
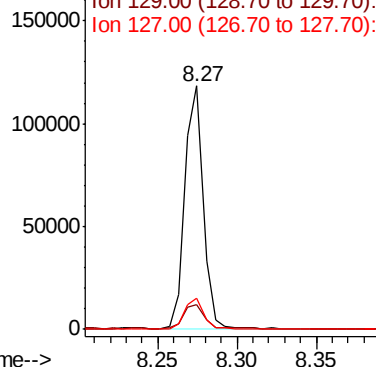


Abundance

Ion 128.00 (127.70 to 128.70): E

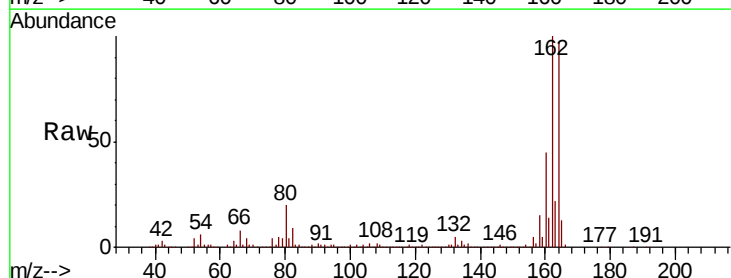
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.0	124.6
160	45.9	37.0	55.6

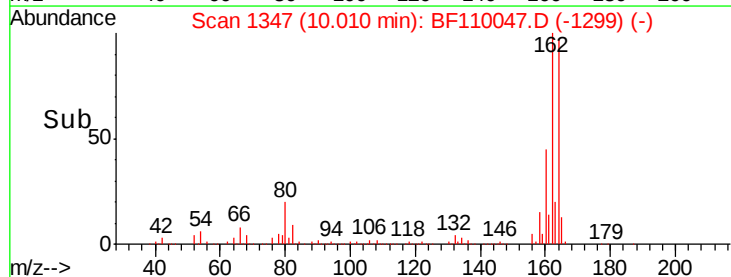
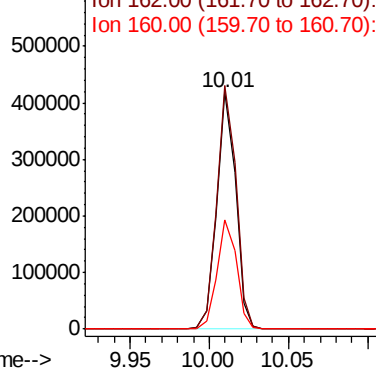


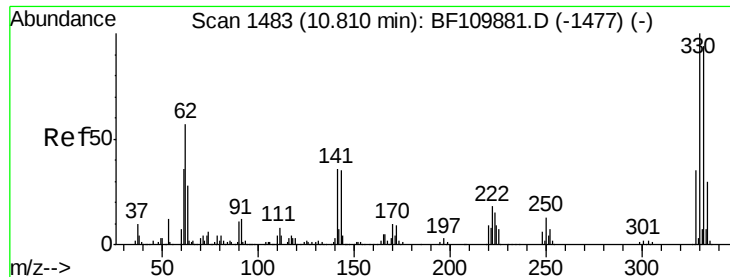
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





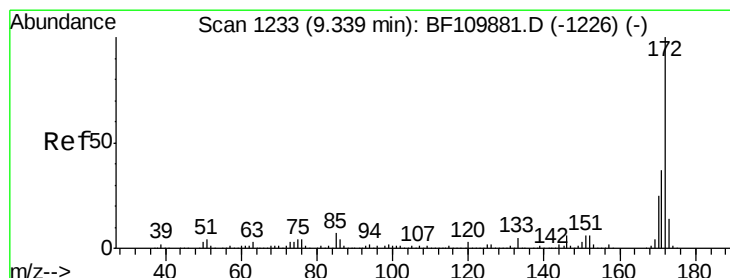
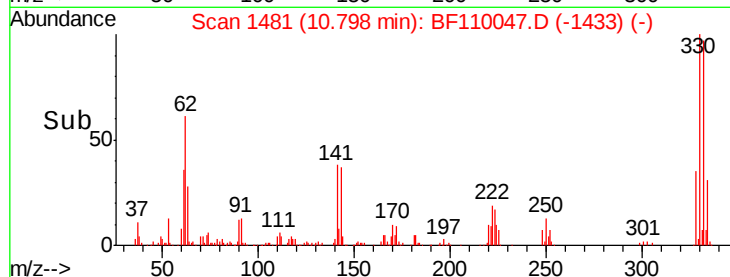
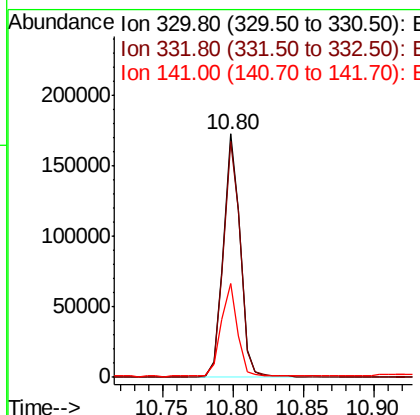
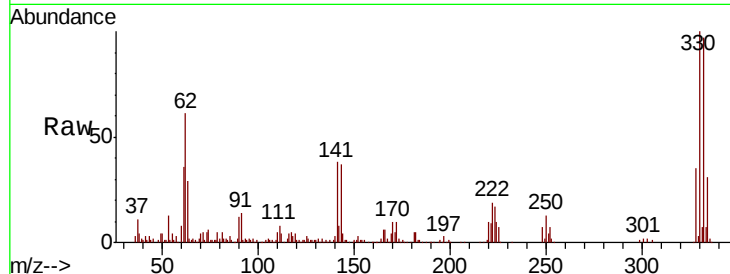
#42
 2,4,6-Tribromophenol
 Concen: 47.877 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110047.D
 Acq: 22 Oct 2018 14:30

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101818-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	143859		
332	97.8	77.1	115.7	
141	37.7	27.0	40.4	

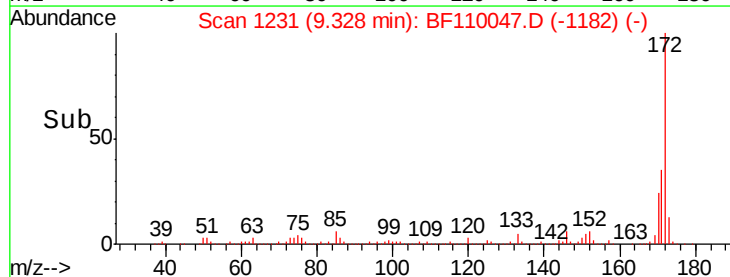
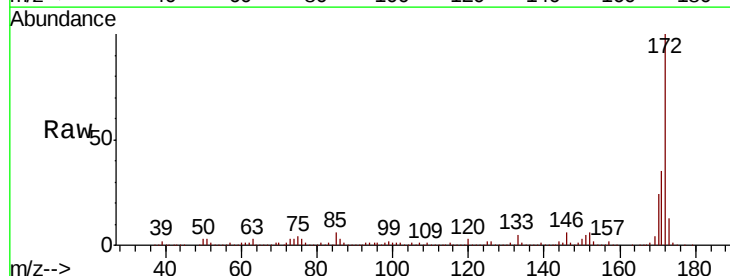
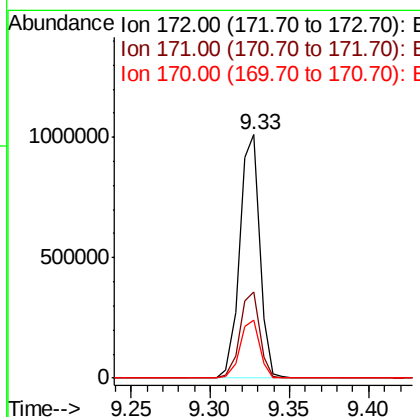
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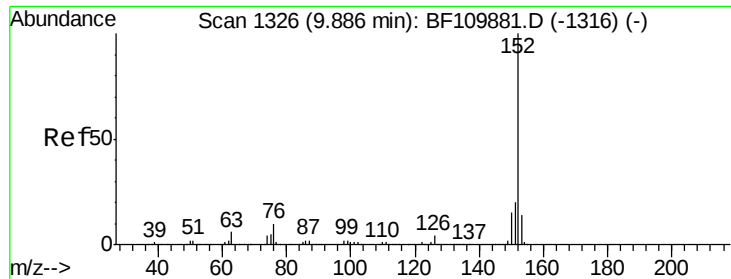
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#45
 2-Fluorobiphenyl
 Concen: 40.877 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110047.D
 Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	889087		
171	35.3	28.6	43.0	
170	23.7	19.7	29.5	





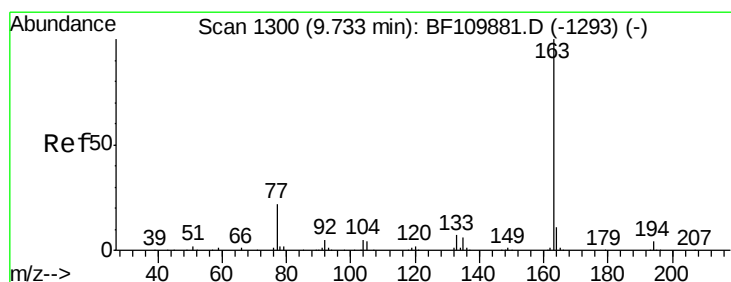
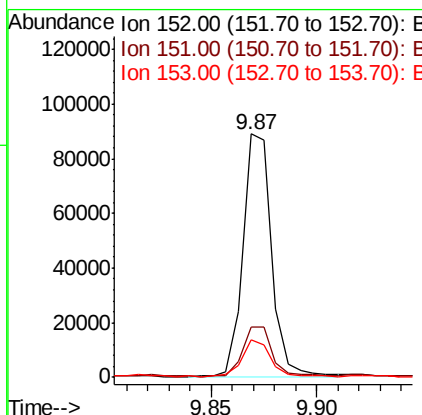
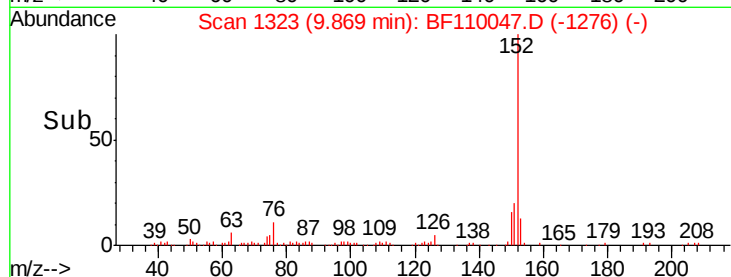
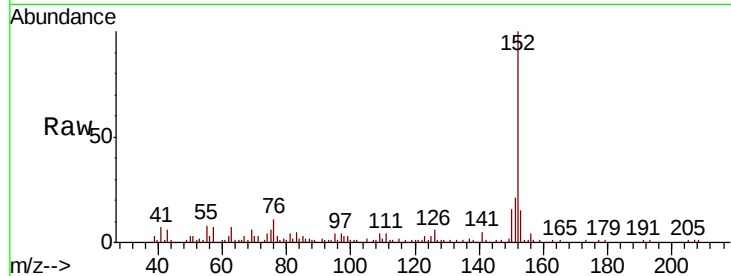
#49
Acenaphthylene
Concen: 2.544 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.8
153	15.2	10.4	15.6

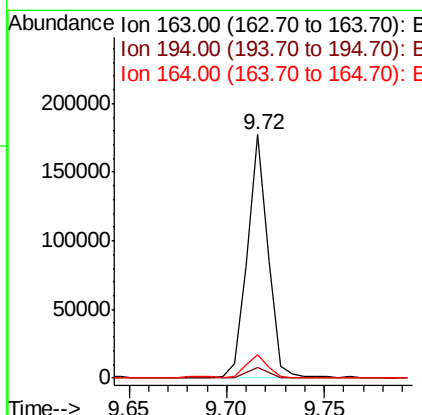
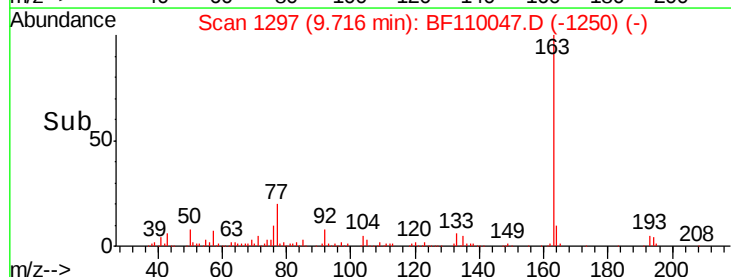
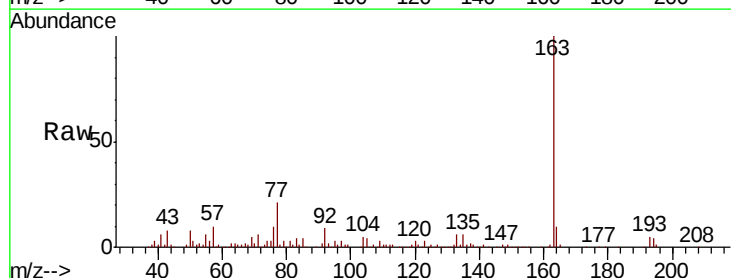
Manual Integrations
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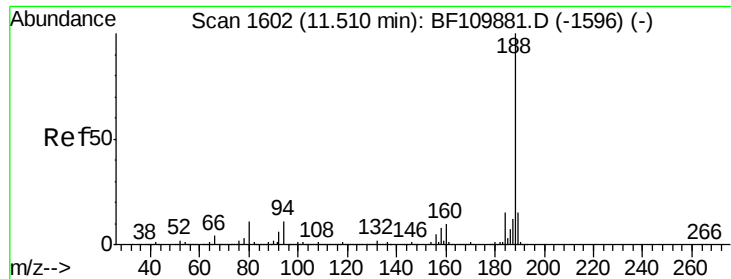
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#50
Dimethylphthalate
Concen: 5.270 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.8	8.1	12.1





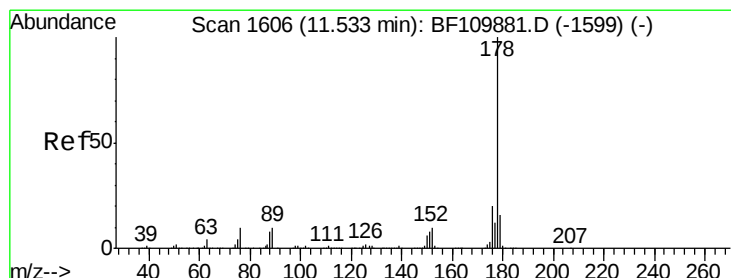
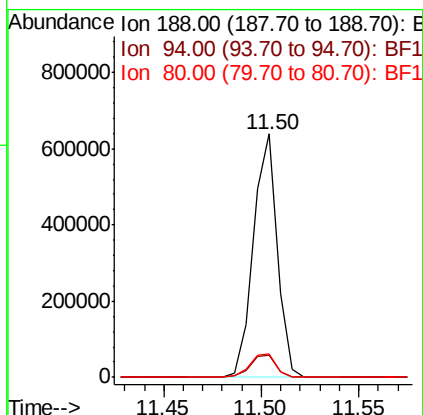
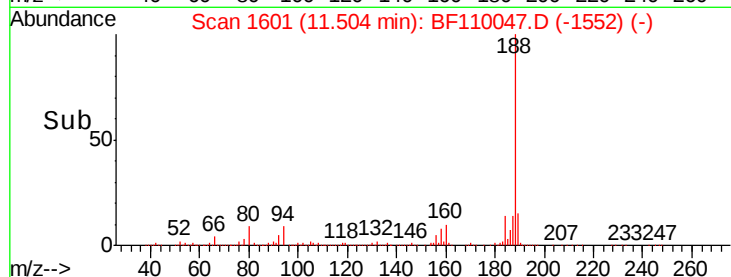
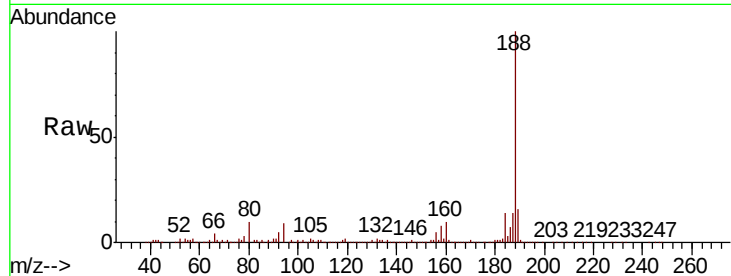
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.6	7.9	11.9

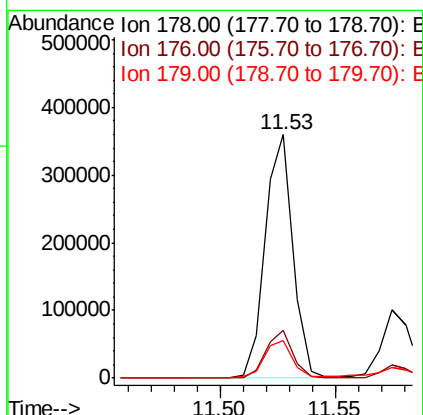
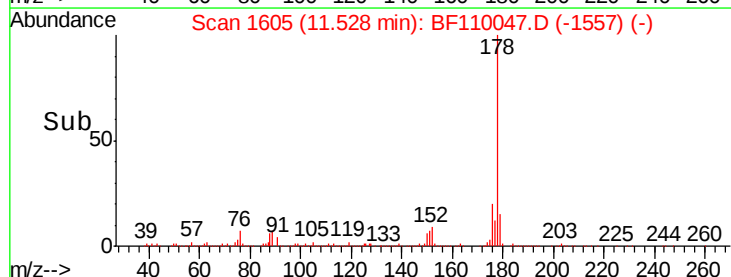
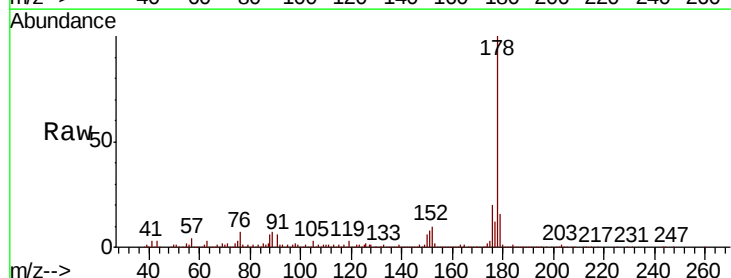
Manual Integrations
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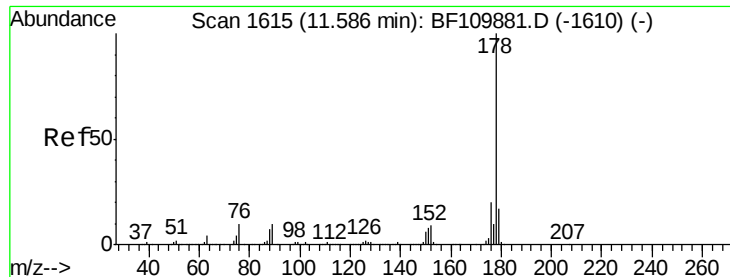
Sohil
10/23/2018 2:18:41 PM



#71
Phenanthrene
Concen: 10.693 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7





#72

Anthracene

Concen: 2.937 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

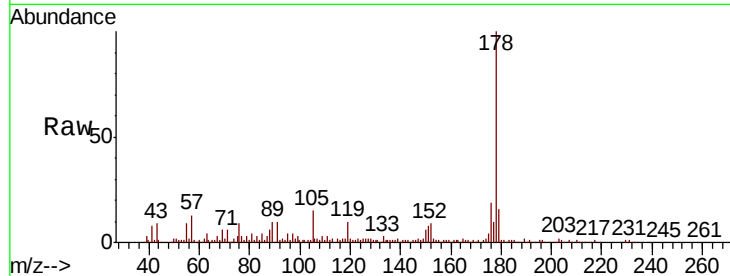
ClientSampleId :

JC-02-101818-B

Tot Ion:	178	Resp:	82536
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.2
179	16.0	12.6	18.8

Manual Integrations
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Sohil
10/23/2018 2:18:41 PM

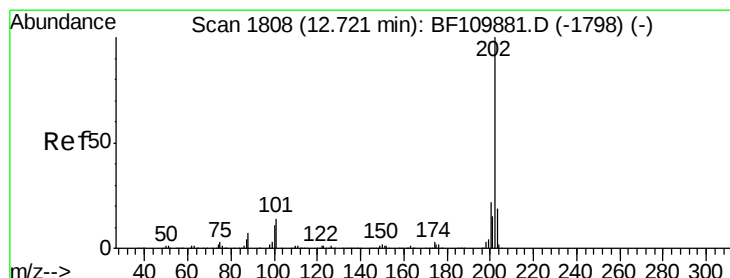
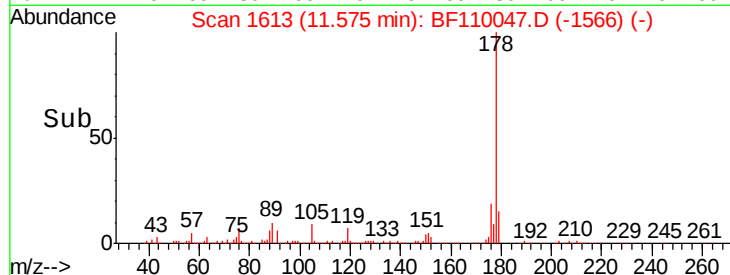
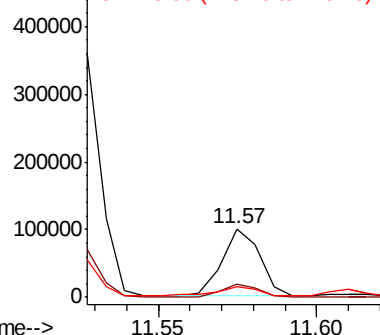


Abundance

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



#75

Fluoranthene

Concen: 21.490 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

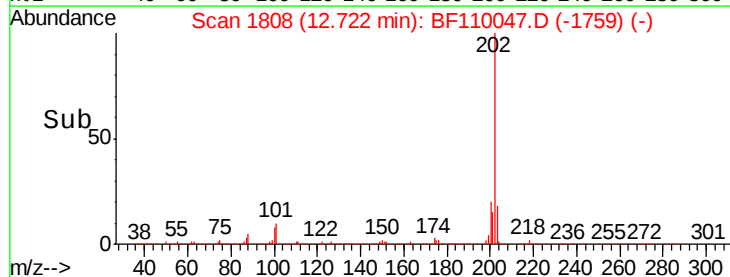
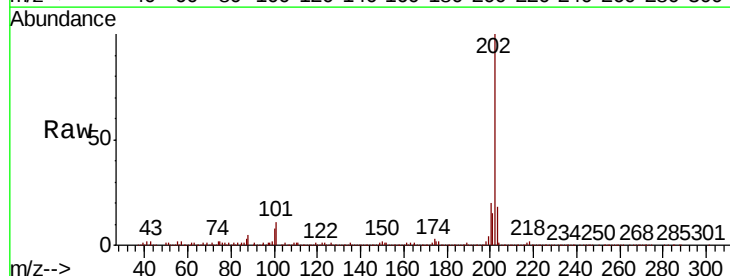
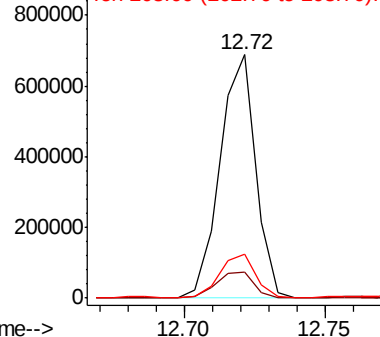
Tgt Ion:	202	Resp:	600029
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.8	0.0	37.7

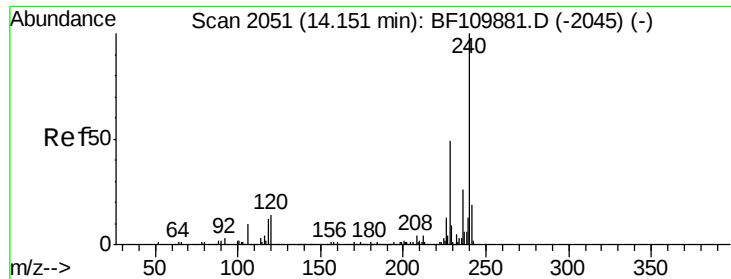
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





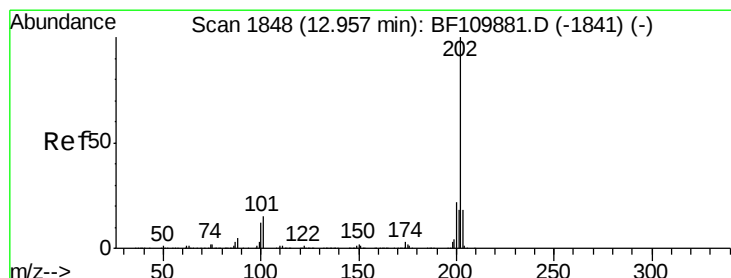
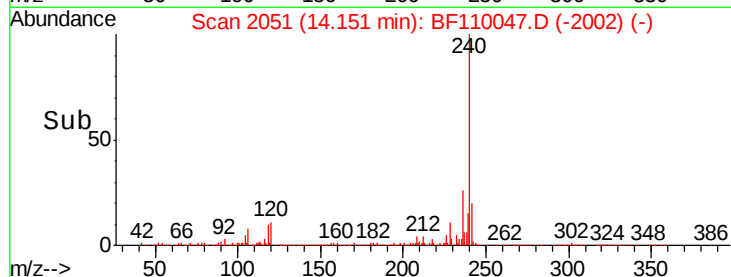
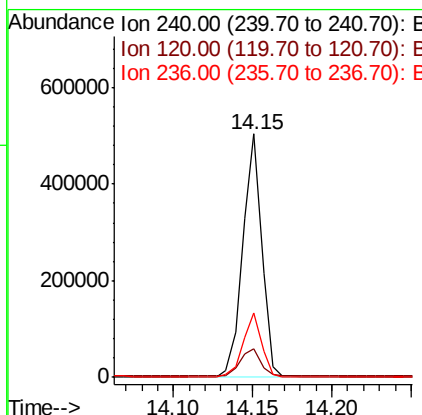
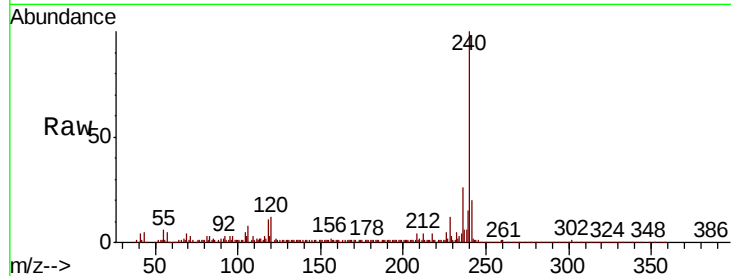
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	26.4	21.2	31.8

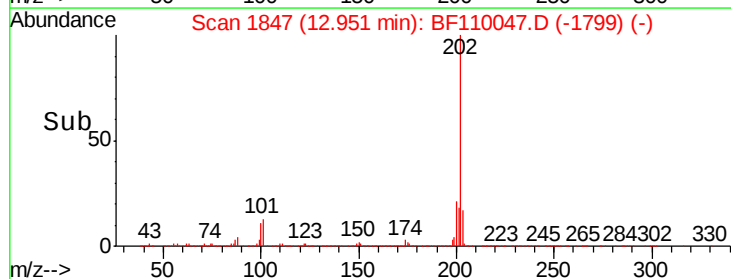
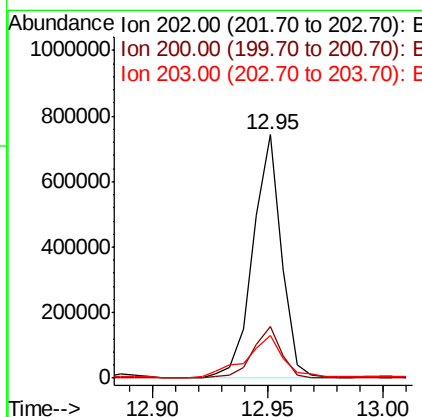
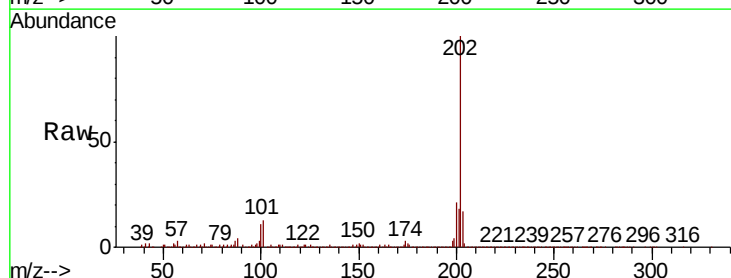
Manual Integrations
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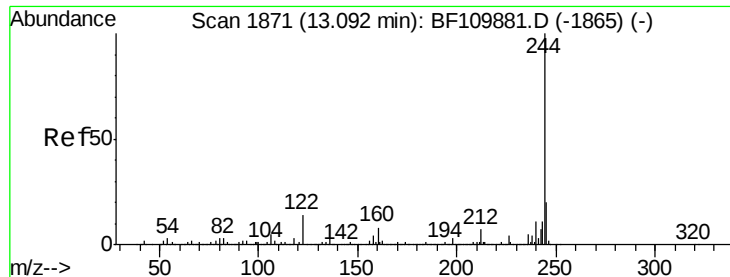
Sohil
10/23/2018 2:18:41 PM



#78
Pyrene
Concen: 20.859 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.5	14.2	21.4





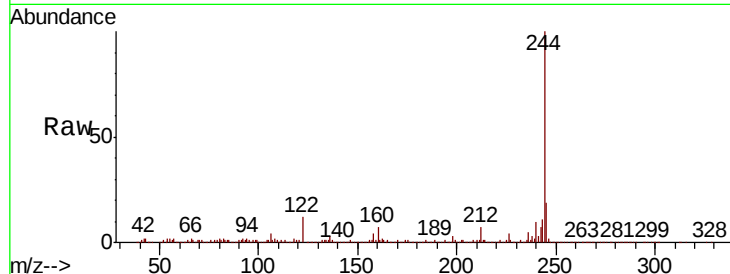
#79
 Terphenyl-d14
 Concen: 32.817 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110047.D
 Acq: 22 Oct 2018 14:30

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-101818-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.5	8.7	13.1

Manual Integrations
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Sohil
 10/23/2018 2:18:41 PM

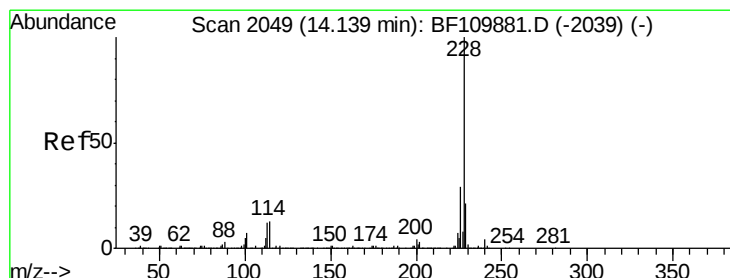
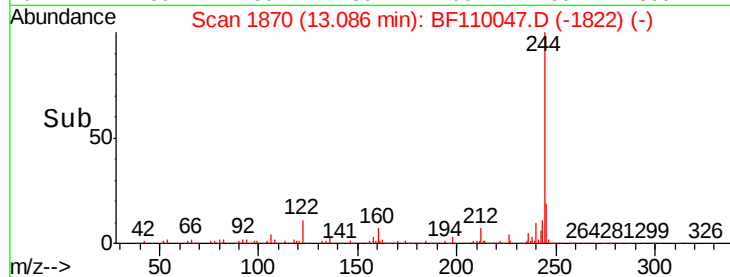
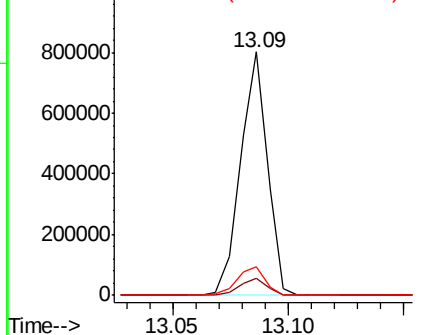


Abundance

Ion 244.00 (243.70 to 244.70): E

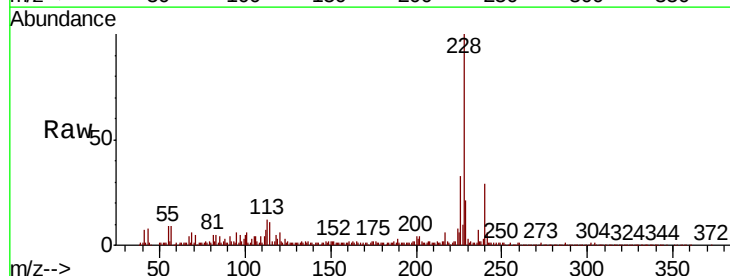
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 14.075 ng m
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BF110047.D
 Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.1	33.1#
229	21.3	15.6	23.4

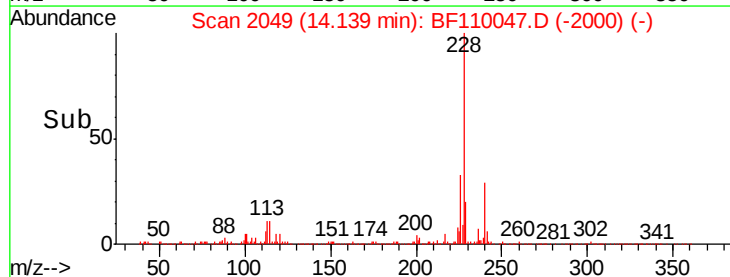
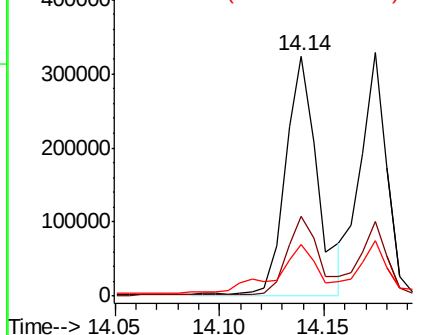


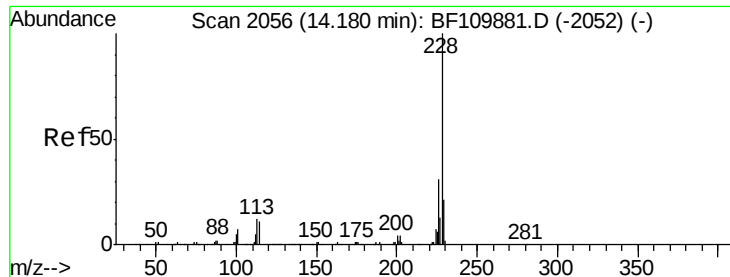
Abundance

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





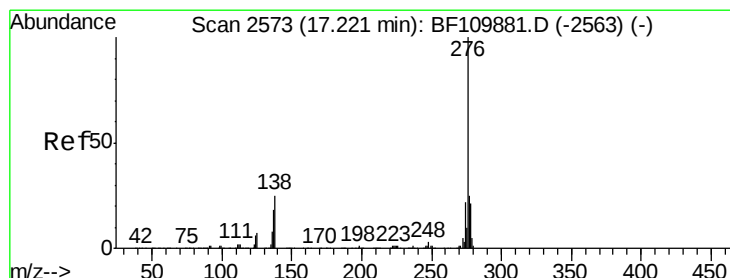
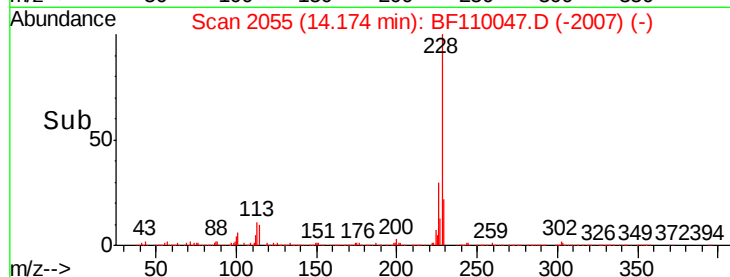
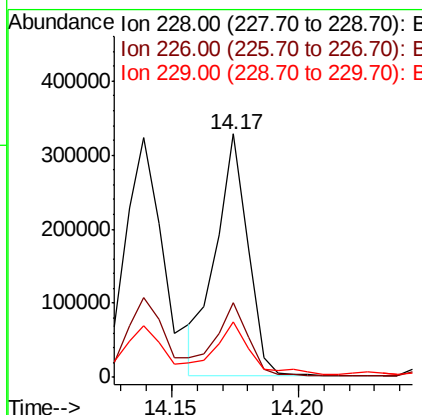
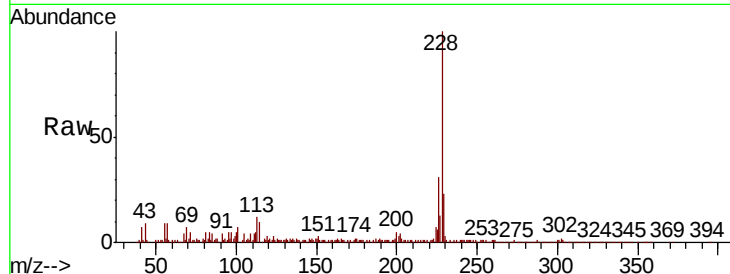
#83
Chrysene
Concen: 12.419 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Instrument :
BNA_F
ClientSampleId :
JC-02-101818-B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	289626		
226	30.8		24.7	37.1
229	22.6		15.9	23.9

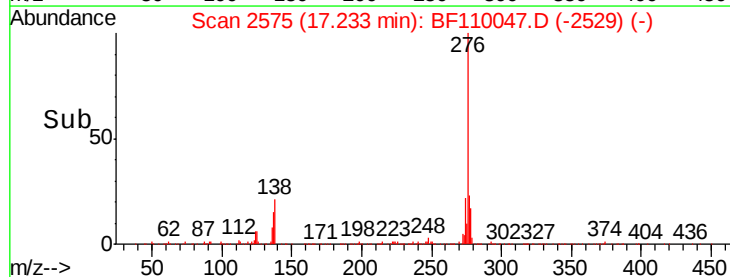
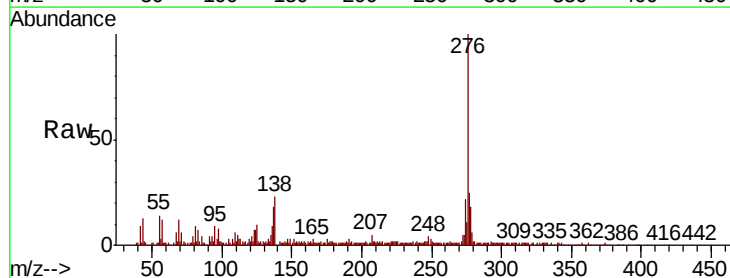
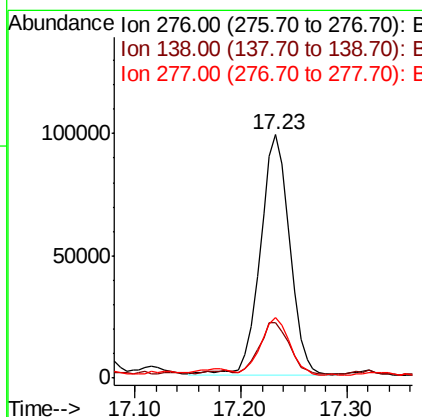
Manual Integrations
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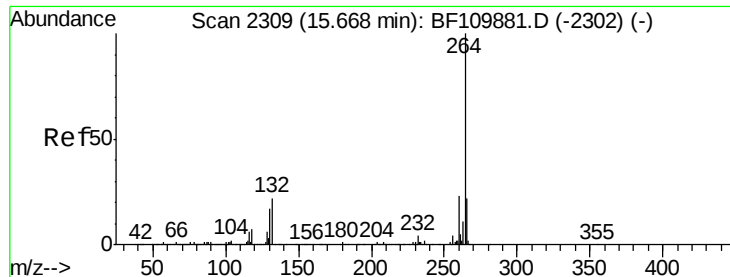
Sohil
10/23/2018 2:18:41 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.087 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF110047.D
Acq: 22 Oct 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	189399		
138	22.8		18.5	27.7
277	24.0		20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

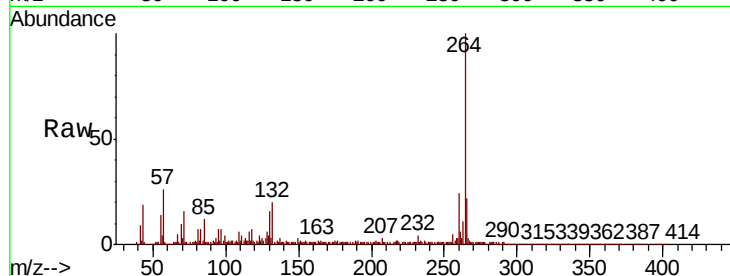
ClientSampleId :

JC-02-101818-B

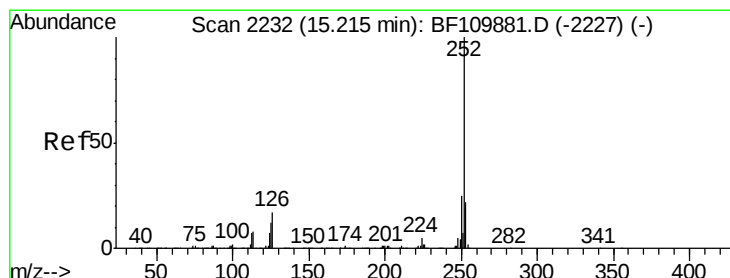
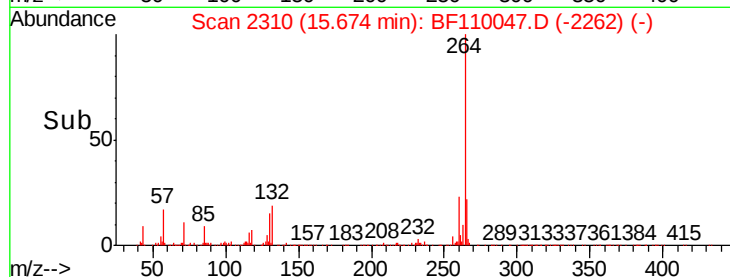
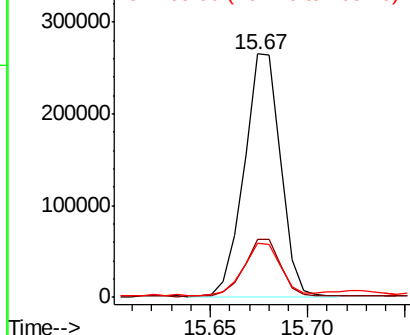
Tot Ion:	264	Resp:	342204
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	22.1	16.7	25.1

Manual Integrations
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10/23/2018 2:18:41 PM



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



#88

Benzo(b)fluoranthene

Concen: 18.917 ng m

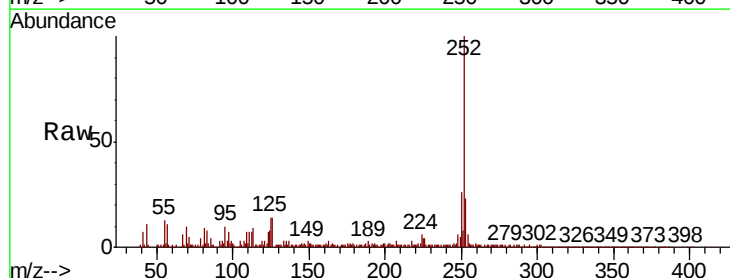
RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

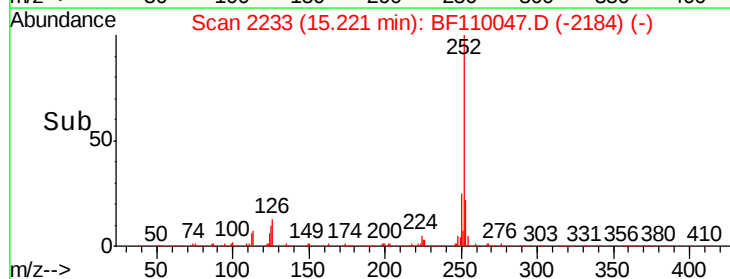
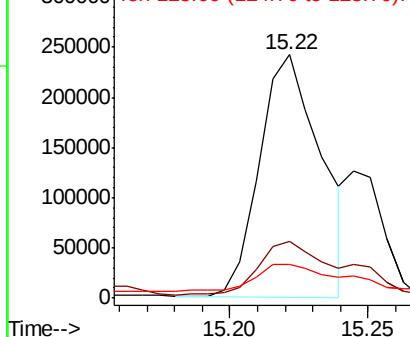
Lab File: BF110047.D

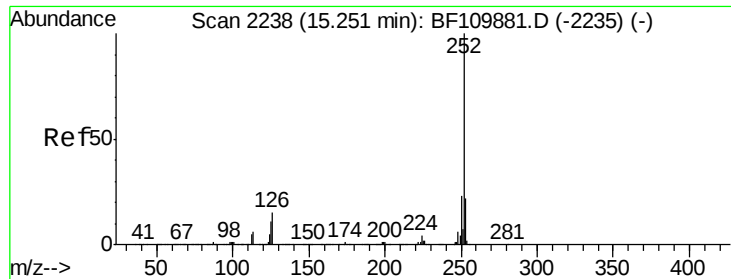
Acq: 22 Oct 2018 14:30

Tgt Ion:	252	Resp:	373208
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	13.7	8.2	12.4#



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(k)fluoranthene

Concen: 5.869 ng m

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

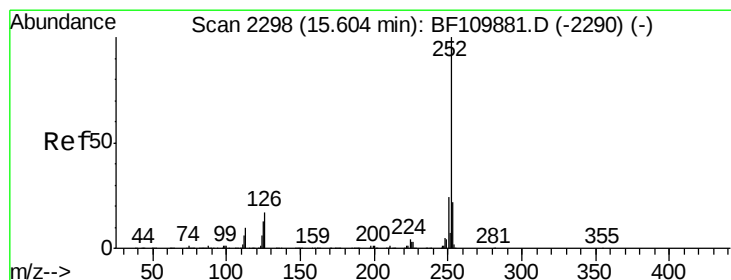
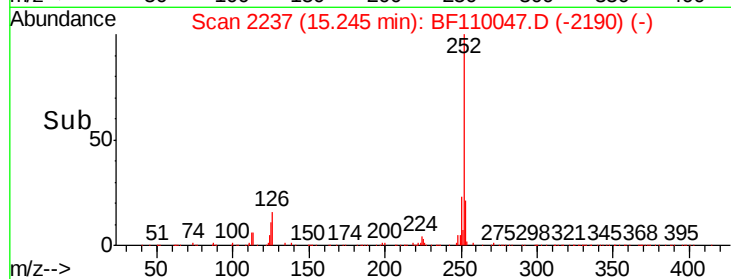
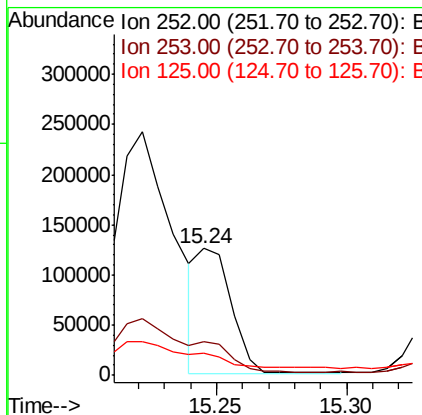
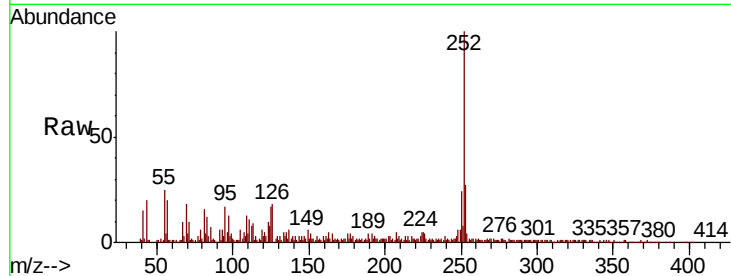
ClientSampleId :

JC-02-101818-B

Tot Ion:	252	Resp:	114128
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.2	25.8#
125	17.4	7.4	11.0#

Manual Integrations
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10/23/2018 2:18:41 PM



#90

Benzo(a)pyrene

Concen: 15.418 ng

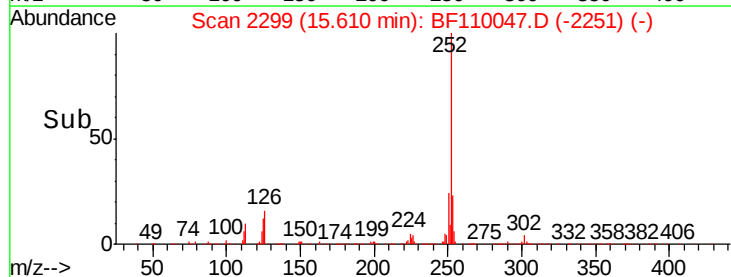
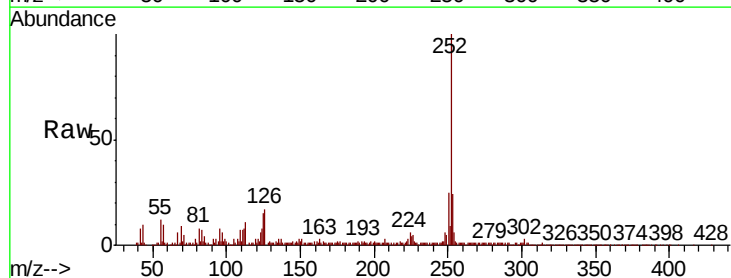
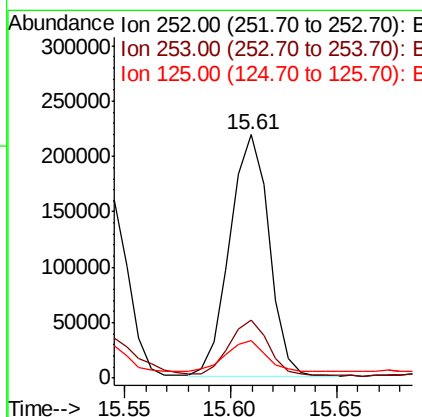
RT: 15.61 min Scan# 2299

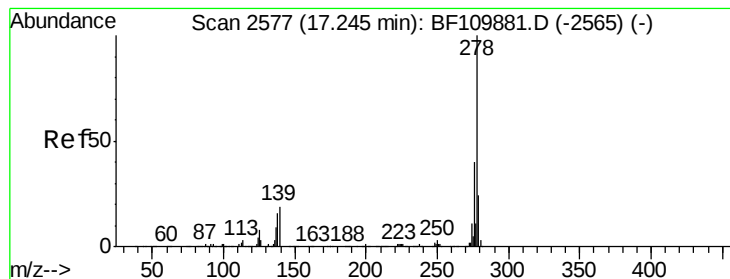
Delta R.T. -0.02 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Tgt Ion:	252	Resp:	279765
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.4
125	15.2	9.0	13.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.706 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.04 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Instrument :

BNA_F

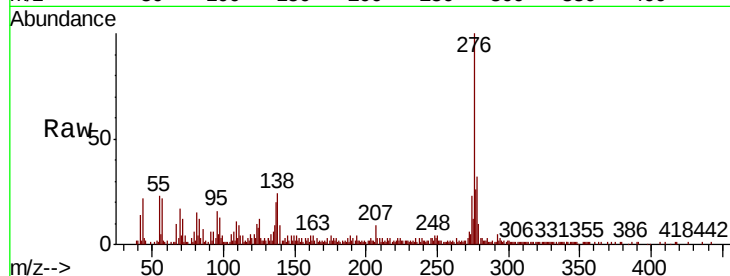
ClientSampleId :

JC-02-101818-B

Tot Ion:	278	Resp:	43518
Ion Ratio	Lower	Upper	
278	100		
139	27.9	12.7	19.1#
279	30.1	19.0	28.4#

Manual Integrations
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10/23/2018 2:18:41 PM

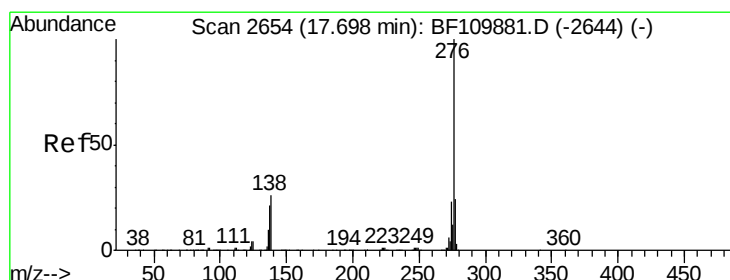
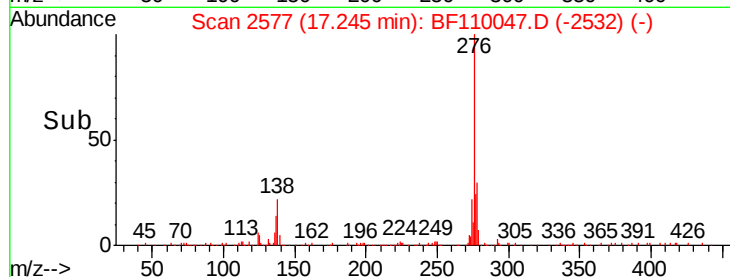
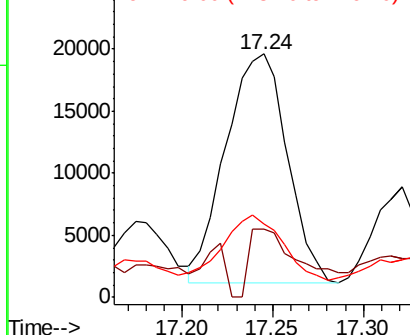


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 12.405 ng

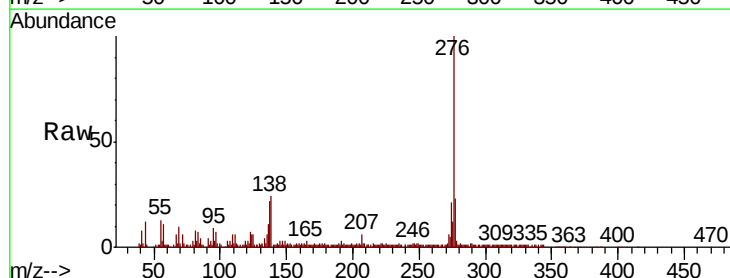
RT: 17.71 min Scan# 2656

Delta R.T. -0.03 min

Lab File: BF110047.D

Acq: 22 Oct 2018 14:30

Tgt Ion:	276	Resp:	201552
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.8	28.2
138	24.2	16.0	24.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

